



**Alabama State Port Authority**  
**Addendum to Specification Booklet**

**Project Name** Blakeley/Mud Lakes Dike Raising & Weir Boxes

**Project No.** 11381      **Task No.** 3      **Addendum No.** 1

**To:** Prospective Bidders      **Date:** 4/10/25

The following items are clarifications, notes and/or answers to questions received during the Pre-Bid Meeting.

Item	Description
1.	<p><b><u>Clarification or Changes</u></b></p> <p><b>1. Plans &amp; Specifications</b></p> <p>a) Project and task numbers were changed to PN 11381, Task 3. New IFB plans and specifications were uploaded to the website with this addendum and should be used upon submitting a bid.</p> <p><b>2. DIVISION I, INSTRUCTIONS TO BIDDERS, pages I-5 to I-6</b></p> <p>a) All questions about the meaning or intent of the Contract Documents shall be submitted to the Engineer by no later than April 13, 2025, at 2:00 PM (CST).</p> <p>b) Contract will be awarded to the lowest base bid. Failure to submit pricing on the bid alternate will be consider a conditional bid resulting in disqualification.</p>
2.	<p><b><u>Attachments and Links</u></b></p> <ul style="list-style-type: none"> <li>• Boring Logs</li> <li>• <a href="#">Alabama State Port Authority Drawings and Data Delivery Policy</a></li> <li>• Pre-Bid Meeting Attendance Sheet</li> </ul>

Please indicate your receipt of this addendum by adding the addendum number in the appropriate place in your Requisition & Proposal or Specification Book.

\_\_\_\_\_  
 Wesley Jackson, E.I.  
 Project Manager

4/10/25  
 \_\_\_\_\_  
 Date

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 4/7/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 42 FT.

**DATUM:**

**WATER DEPTH:** 31 FT.

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-1

**BORING LOCATION:**

**N:** 262704 **E:** 1800538

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brownish red medium to coarse grained silty sand	1	13								
		Firm yellowish red clayey sand with gravel	2	13								
5		Firm reddish brown silty sand	3	15								
		Soft reddish brown clay	4	16								
		Loose red clayey sand	5	3		70	59	29		96.8		CH
10		Loose reddish brown silty sand	6	5								
		Very soft red clay	7	5								
15			8	6								
			9	0							c*=0.25	
20			10	0								
			T-1									
25			11	2							c*=0.25	
			12	2		64	55	23		93.9		MH
30			13	0							c*=0.25	
			14	0		62	45	16		96.5	c*=0.38	ML
35			15	0								
			16	2		65	58	23		99.8		MH
40			17	2								
			18	3		66				9.1		
45			19	5								
			20	6		24	23	6		10.9		SP-SC
50			21	6								
			22	7								
55			23	6								
			24	7								
60												
65												
70												
75												
80												
85												
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 4/4/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 50 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-3

**BORING LOCATION:**

**N:** 263513 **E:** 1801380

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose reddish brown silty sand	1	8								
			2	9								
5		Firm gray sandy gravel	3	15								
			4	19								
		Very loose red clayey sand	5	0								
			6	2		18				22.0		SM
10		Very loose red silty sand	7	31								
			8	26							c*=0.25	
15		Dense to firm brown silty sand	9	4		54				44.4		SC
			10	7								
20		Loose red silty sand	11	1/18"		64				92.9		
25			12	2								
30			13	2		63				96.2		
35			14	4								
40		Very soft red silt	15	0		66				99.5		
45			16	2								
50			17	0								
55			18	2								
60			19	5		37				24.0		SM
65		Loose to very loose light brown fine grained silty sand	20	6								
70			21	0								
75			22	15								
80		Firm to dense reddish brown fine to medium grained sand with silt	23	20								
85			24	34								
90		B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 4/5/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 52 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:** 17 FT.

**BORING NUMBER:** B-4

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**N:** 263442 **E:** 1801837

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose brown silty sand with organics	1	7								
			2	6								
			3	7								
5		Loose red silty clayey sand	4	8		19				21.7		SM
			5	4								
			6	6								
10		Loose brown fine to medium grained sand with gravel	7	10								
			8	9								
15		Loose red clayey sand	9	5								
			10	5								
20		Medium consistency red sandy clay										
25		Very loose red silty sand	11	1		36	30	30		40.9		SM
			12	0		68				96.4		CH
30			13	0								
35			14	2		63				98.5		MH
40			15	0								
45		Very soft red clay	16	0		68				98.3		CH
50			17	2								
55			18	2		70				98.8		MH
60			19	4		24				28.5		SC-SM
65		Loose grayish brown silty clayey sand	20	4								
70		Loose gray clayey sand	21	0								
75			22	0		25				30.6		SC
80		Very loose grayish brown silty sand	23	2								
85			24	2								
90		B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 4/7/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 54 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**BORING NUMBER:** B-5

**DRILL RIG:** MOBILE B37

**WATER DEPTH:** CAVED AT  
11 FT

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**REMARKS:**

**N:** 263469 **E:** 1802357

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown silty sand and gray gravel	1	22								
			2	25								
5		Firm dark brown clayey sand	3	24								
			4	24		19				30.4		SC
		Loose red clayey sand	5	6								
			6	7								
10			7	3								
		Very loose brown silty sand	8	4		35				10.0		SP-SM
			9	4								
20		Firm light reddish brown silty sand with geotextile	10	16								
			11	15								
25		Firm light reddish brown silty sand										
30		Very soft red clay	12	1/18"		63				94.9		MH
35			13	2								
40		Soft red sandy clay	14	3		47				64.3		MH
45			15	4								
50			16	0		56	61	32		94.4	c*=0.13	CH
55			17	1								
60		Very soft red clay	18	2		65						
65			19	0							c*=0.25	
70			20	15		21				18.6		SM
75			21	17								
80		Firm dark brown silty sand with mica	22	16								
85			23	19								
90		B.T. @ 90 FT	24	20								

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 8/23/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 56 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:**

**BORING NUMBER:** B-6

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**N:** 263514 **E:** 1802849

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm gray and brown clayey sand with gravel	1	25								
			2	27								
5		Firm brown clayey sand	3	17								
		Firm to loose red silty sand with gravel and clay	4	16								
			5	7								
10		Firm red clayey sand	6	13								
		Loose to firm yellowish red silty sand with trace gravel	7	9		20	NP	NP		10.1		SP-SM
			8	12								
			9	10								
20		Firm brown sand with silt	10	14								
			11	14								
25			12	15								
30		Firm brown silty sand with trace gravel	13	5								
35			14	7		62	65	30		98.0		MH
40			15	7								
45			16	7								
50			17	9								
55			18	8								
60		Medium to stiff red clay	19	8								
65			20	10								
70			21	9								
75			22	8								
80			23	7								
85			24	10								
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 8/26/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 55.5 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-7

**BORING LOCATION:**

**N:** 263111 **E:** 1803115

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm light gray silty sandy gravel	1	17								
			2	20								
5		Firm dark brown clayey sand	3	17								
			4	12								
		Firm red and brown clayey sand	5	16								
			6	15		21	26	12		39.0		SC
10		Firm red and reddish yellow clayey sand with light gray clay lenses	7	12							c*=0.50	
			8	16								
			9	16								
			10	16								
			11	11								
		Firm brown sand with silt	12	14		9	NP	NP		4.4		SP
			13	15								
			14	12								
			15	6							c*=0.25	
			16	8							c*=0.25	
		Medium consistency to stiff red clay	17	10							c*=0.38	
			18	10							c*=0.25	
			19	16							c*=0.38	
			20	15							c*=0.25	
			21	15							c*=0.40	
		Very stiff gray and red clay	22	16							c*=0.50	
			23	17							c*=0.38	
			24	19							c*=0.50	
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 8/28/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 57 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-8

**BORING LOCATION:**

**N:** 262672 **E:** 1803275

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm Light gray silty sandy gravel	1	27								
2		Firm brown silty sand with trace rocks	2	26								
3			3	18								
4			4	22								
5			5	13		15	24	12		29.9		SC
6		Firm red clayey sand with trace rocks	6	11								
7			7	10								
8		Loose dark brown silty sand	8	9								
9			9	7								
10		Firm red silty sand with rock	10	10								
11			11	17								
12		Firm brown silty sand with trace rock	12	22		17	NP	NP		7.8		SP-SM
13			13	22								
14			14	10							c*=0.38	
15			15	13							c*=0.38	
16			16	16							c*=0.38	
17			17	16							c*=0.38	
18			18	20								
19		Stiff to hard red clay	19	12		65	70	28		98.2	c*=0.25	MH
20			20	13							c*=0.25	
21			21	17							c*=0.25	
22			22	12							c*=0.25	
23			23	24							c*=0.38	
24			24	31							c*=0.25	
B.T. @ 90 FT												

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 8/29/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 57 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:**

**BORING NUMBER:** B-9

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**N:** 262188 **E:** 1803453

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Dense to firm light gray silty sandy gravel	1	32								
		Firm brown silty sand with gravel	2	24								
5			3	20								
		Loose brown silty sand	4	4								
			5	5								
10			6	3		25	NP	NP		14.8		SM
		Loose red silty sand	7	5								
15			8	4								
		Loose red clayey sand	9	9								
20			10	9								
		Loose brownish yellow and light brown silty sand										
25			11	9								
		Loose brown sand with silt										
30			12	12								
		Firm red and brown silty sand										
35			13	24								
		Firm brown sand with silt	14	16								
40			15	10								
45			16	18		21	NP	NP		8.8		SP-SM
50			17	20								
55		Firm gray silty sand	18	21								
60			19	7							c*=0.38	
65			20	9		68				99.0	c*=0.25	CH
70			21	10							c*=0.25	
75		Red clay	22	10							c*=0.25	
80			23	7							c*=0.25	
85			24	10							c*=0.75	
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 8/30/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 57 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-10

**BORING LOCATION:**

**N:** 261704 **E:** 1803633

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm light gray silty sandy gravel	1	30								
		Firm dark brown silty sand	2	16								
			3	16								
			4	18								
		Firm red clayey sand	5	20								
			6	15								
			7	18								
		Firm red silty sand	8	23								
			9	26								
			10	12								
			11	16								
		Firm red and dark brown silty sand	12	13								
			13	11		24			26.6			SM
		Firm brown sand with silt	14	12								
			15	13								
		Firm brown and red silty sand	16	14								
			17	14								
		Stiff red sandy clay	18	13								
			19	11		43			48.7			SC
		Firm red clayey sand	20	14								
			21	15							c*=0.50	
			22	15							c*=0.50	
		Very stiff and stiff red clay	23	14							c*=0.50	
			24	17							c*=0.63	
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 9/4/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 58 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-11

**BORING LOCATION:**

**N:** 261229 **E:** 1803812

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Dense light gray sandy silty gravel	1	36								
			2	40								
5		Firm reddish brown clayey sand	3	30								
			4	24								
			5	26								
			6	25								
10		Firm to dense yellowish red silty sand with clayballs	7	23								
			8	34								
15		Dense brown gravelly silty sand	9	35								
			10	36								
20		Dense brown silty sand with clay balls	11	36								
25			12	32								
30		Dense brownish red silty sand	13	6								
35			14	8								
40		Loose dark red silty sand	15	8							c*=0.50	
45			16	7							c*=0.25	
50			17	9							c*=0.38	
55			18	9							c*=0.25	
60			19	9								
65		Stiff red clay	20	10							c*=0.00	
70			21	7							c*=0.25	
75			22	8								
80			23	8								
85			24	10							c*=0.25	
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 9/9/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 58 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-12

**BORING LOCATION:**

**N:** 260759 **E:** 1803987

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Dense light gray sand with gravel	1	31								
		Firm dark brown clayey sand	2	28								
			3	21								
5		Firm to loose grayish brown sand with gravel	4	23								
			5	5								
		Loose res silty sand	6	6								
10			7	10								
		Firm brownish red clayey sand	8	13								
15			9	15								
		Firm yellowish red silty sand	10	16								
20			11	16								
25			12	17								
		Firm yellowish red silty clayey sand	13	0							c*=0.25	
35			14	2							c*=0.25	
40			15	3							c*=0.25	
45			16	3							c*=0.38	
50		Very soft to soft yellowish red clay	17	4							c*=0.25	
55			18	3							c*=0.25	
60			19	4							c*=0.25	
65			20	3							c*=0.38	
70			21	2							c*=0.50	
75			22	3							c*=0.25	
80		Soft black sandy silt	23	3							c*=0.25	
85			24	3							c*=0.50	
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 9/13/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 59 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-13

**BORING LOCATION:**

**N:** 260282 **E:** 1804162

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm light gray sandy gravel	1	24								
		Firm brown clayey sand	2	28								
5		Firm black to brown silty sand	3	27								
			4	26								
			5	3								
			6	3								
10		Very loose red clayey sand	7	4								
			8	4								
15			9	17								
			10	18								
20		Firm yellowish brown silty sand										
			11	21								
25												
30		Firm brown sand with silt	12	18								
35			13	2		67	28				c*=0.13	
40			14	2		64		66			c=0.37	
45			15	3								
50			16	2		68	28				c=0.55	
			T-2			67		63			c*=0.13	
55			17	4								
60		Soft red clay	18	3							c*=0.25 c=0.27 φ=8°	
			T-3								c*=0.13	
65			19	3								
70			20	1		57	21				c*=0.13	
			T-4									
75			21	2							c*=0.13	
80			22	3							c*=0.13	
			T-5									
85			23	3		64	26				c*=0.13	
90		B.T. @ 90 FT	24	4							c*=0.13	

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 9/14/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 59 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-14

**BORING LOCATION:**

**N:** 259966 **E:** 1804028

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Dense light gray to brown gravelly sand	1	43								
			2	32								
5		Dense brown silty sand	3	40								
		Very loose red clayey sand	4	39								
			5	2								
10		Loose red silty sand	6	4								
			7	3								
15		Very loose to loose red clayey sand	8	5								
			9	6								
20		Loose brown and gray silty sand	10	5								
			11	5								
25			12	6								
30		Loose dark red silty sand	13	6								
			14	7								
35			15	0		54	17				c*=0.13	
40		Loose light brown clayey sand with shells	16	2							c*=0.13	
45			17	3							c*=0.13	
50			18	3							c*=0.25	
55			19	2							c*=0.13	
60			20	4							c*=0.13	
65		Soft and medium consistency red clay	21	3							c*=0.25	
70			22	3							c*=0.25	
75			23	5							c*=0.13	
80			24	4							c*=0.38	
85												
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 4/16/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 59 FT.

**DATUM:**

**WATER DEPTH:** 17 FT.

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-15

**BORING LOCATION:**

**N:** 259981 **E:** 1803520

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Dense to firm dark brown and grayish brown silty sand	1	32								
		Firm brown silty clayey sand	2	28								
5		Dense reddish brown clayey sand	3	28							c*=1.13	
			4	30		12	18	4		26.8		SC-SM
			5	47								
			6	50								
10		Dense red silty clayey sand	7	48								
		Dense grayish brown silty sand and gray gravel	8	48								
		Firm grayish brown silty sand	9	13								
			10	14								
20		Firm brown and dark gray silty sand	11	2								
25		Very loose red silty sand	12	0		56	36	11		45.1		SM
30			13	0		62	58	25		84.0		MH
35		Very soft dark red sandy silt	14	0								
40			15	0		62				47.5		SC
45		Very loose red silty sand	16	0								
50			17	15								
55			18	12		21				9.1		SP-SM
60		Firm grayish brown and brownish red silty sand	19	17								
65			20	18								
70			21	0		24	27	11		34.4	c*=0.00	SC
75			22	0							c*=0.00	
80		Very loose dark gray clayey sand	23	2								
85			24	4							c*=0.13	
90		B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/17/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:** 4/3/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 59 FT.

**DATUM:**

**WATER DEPTH:** CAVED AT  
8.5 FT

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-16

**BORING LOCATION:**

**REMARKS:**

**N:** 259977 **E:** 1803016

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown silty sand with gravel	1	25								
		Firm red clayey sand	2	18		14	20	8		43.3	c*=1.75	SC
5			3	13								
			4	13								
			5	28								
10		Firm red silty sand	6	28								
			7	20		16	NP	NP		16.8		SM
15			8	11								
			9	55								
20		Very dense to dense reddish brown silty sand	10	47								
25		Very loose brown silty sand with gravel	11	3								
30			12	0		73	60	23		95.5		MH
35			13	2								
40			14	0		68				98.8	c*=0.25	MH
45		Very soft to soft red silt	15	1							c*=0.00	
			T-1									
50			16	2		58	65	65		99.0	c*=0.13	MH
55			17	2							c*=0.13	
60			18	3		60				99.0	c*=0.13	MH
65		Very loose red clayey sand	19	3		23	37	19		45.3		SC
70			20	4								
75		Very soft dark gray clay with sand	21	0							c*=0.38	
80			22	0		28	74	56		92.6	c*=0.50	CH
85		Medium consistency light gray clay	23	7							c*=0.88	
90		B.T. @ 90 FT	24	8							c*=1.00	

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:** 3/21/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 58 FT.

**DATUM:**

**WATER DEPTH:** 27 FT.

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-17

**BORING LOCATION:**

**REMARKS:**

**N:** 260035 **E:** 1802491

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Dense gray to dark grayish brown silty sand with gravel	1	37								
			2	62								
5		Dense dark grayish brown silty sand with clay balls	3	38								
			4	40		17	NP	NP	13.8			SM
		Loose grayish brown silty sand with trace clay balls	5	6								
			6	7								
10		Loose light olive brown silty sand	7	5		23	NP	NP	12.6			SM
			8	8								
15		Firm dark yellowish brown silty sand	9	12								
			10	13								
20		Firm yellowish red silty sand										
			11	24		67	66	66	27.5			SM
25		Firm pinkish gray silty sand										
			12	14								
30		Very stiff pinkish gray silt										
			13	2		69	36	36	81.0			ML
35		Very soft yellowish red silt										
			14	2							c*=0.25	
40		Soft yellowish red silt										
			15	4		61	55	22	87.2		c*=0.38	MH
45												
			16	2								
50			T-1									
			17	4								
55		Soft yellowish red silty clay										
			18	4							c*=0.20	
60			T-2			47	75	42	70	96.6	c=0.31	CH
			19	4		48	97	66	93.9	c*=0.35		CH
65		Soft dark reddish gray silty clay										
			20	17								
70												
			21	17								
75		Firm dark reddish reddish gray silty sand										
			22	16								
80												
			23	0		22	NP	NP	18.7			SM
85		Very loose dark gray silty sand										
			24	17								
90		Firm dark gray silty sand										
		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 3/19/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 55 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**BORING NUMBER:** B-18

**DRILL RIG:** MOBILE B37

**WATER DEPTH:** CAVED AT 2 FT

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**REMARKS:**

**N:** 259937 **E:** 1802011

MOD DEEP BORING LOG W/O NC VALUES & N.E. 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown and red silty sand	1	17								
		Firm red silty sand	2	10								
5		Firm yellowish red silty sand with gravel	3	19								
		Firm yellowish red silty sand	4	20								
		Firm yellowish red silty sand	5	26						14.7		SM
10		Firm yellowish red silty sand	6	17								
		Firm yellowish red silty clayey sand	7	23								
15		Firm yellowish red silty clayey sand	8	22								
		Dense red clayey sand	9	29							c*=0.38	
20		Dense red clayey sand	10	30								
25		Soft red clay with iron rock	11	2		64				86.1	c*=0.38	CH
		Very soft sandy clay	12	2		52				53.0		CL
30		Very soft sandy clay	13	1		65				76.1		CH
35		Very soft red silt	T-1			61	55	19	68	98.8	c=0.41 φ=3°	MH
		Very soft red silt	T-2			61	63	29	68	93.6	c=0.15 φ=9°	MH
40		Very soft red silt	14	1		62				84.3		
45		Soft to stiff red clay	15	2							c*=0.30	
50		Soft to stiff red clay	16	12								
55		Medium consistency brown and dark gray organic clay	17	4		85				87.3	c*=0.75	MH
60		Medium consistency brownish gray clay with organics and micaceous material	18	5								
65		Medium consistency brownish gray clay with micaceous material	19	6		42				66.4	c*=0.38	CL
70		Loose brown silty sand	20	4								
75		Loose brown silty sand	21	4								
80		Very loose gray silty sand	22	2			25	25		18.7		SM
85		Dense gray and brown sand with silt	23	30								
90		B.T. @ 90 FT	24	32								

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 6/17/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 55 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-20

**BORING LOCATION:**

**N:** 260311 **E:** 1801246

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose brown clayey sand with organics	1	5								
		Loose brown fine to medium grained silty sand	2	7								
5		Loose brown silty sand with crushed asphalt	3	4								
		Loose dark reddish brown silty sand	4	6								
		Stiff yellowish red silt	5	5						20.2		
10			6	7		30				83.0	c*=0.13	SM
			7	14		80					c*=0.13	MH
15			8	11								
			9	7								
20			10	8								
		Loose dark red sand with silt	11	4		31	NP	NP		6.6		SP-SM
25			12	5								
30			13	3								
35		Soft to medium consistency yellowish red sandy silt	14	6								
40			15	0		60	60	31		98.2	c*=0.00	CH
45		Very soft yellowish red clay	16	0		59						
50			17	2		54				99.6		CH
55			18	3							c*=0.50	
60		Very soft dark gray clay	19	0		59	89	52		94.4	c*=0.25	CH
65			20	0							c*=0.25	
70			21	11							c*=0.25	
75			22	13								
80		Stiff to very stiff gray sandy clay	23	16								
85			24	16							c*=0.75	
90		Firm brownish gray clayey sand										
		B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:** OFFSET 15' WEST

**DATE DRILLED:** 6/18/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 55 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-21

**BORING LOCATION:**

**N:** 260797 **E:** 1801126

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Very soft grayish brown clay	1	0								
2			2	0								
3		Soft brown clay	3	2		55	82	50				
4		Very soft brown, black, and gray sandy clay	4	3		65	91	59	64	84.9		CH
5			5	0		34						
6		Very soft brown, black and gray clay	6	0		52						
7			7	14								
8			8	28								
9		Firm red, reddish brown, and gray silty sand	9	17								
10			10	17								
11			11	6		36	NP	NP		13.1		SM
12		Loose to very loose red, reddish brown and gray silty sand	12	7								
13			13	0								
14			14	0		64	68	34		99.2		MH
15			15	2								
16		Very soft yellowish red silt	16	2								
17			17	0		63	56	21		99.4		MH
18			18	0								
19			19	2								
20			20	3								
21		Very loose gray silty sand	21	0		27	NP	NP		17.4		SM
22			22	2								
23			23	4								
24			24	5								
90		B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 6/19/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 55 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:**

**BORING NUMBER:** B-22

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**N:** 261267 **E:** 1800964

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brownish red silty sand	1	19								
			2	18								
5		Firm yellowish red clayey sand	3	16								
		Soft brown silty sand	4	18								
		Very loose dark brownish red with yellowish red silty sand	5	2								
10			6	3		31	NP	NP		33.2		SM
		Loose brown silty sand	7	4								
15			8	5								
		Brown sand with silt	9	7								
20			10	8		16				17.3		SM
25		Medium consistency brown and reddish brown sandy clay	11	8								
30			12	2								
35		Soft yellowish red sandy silt	13	3		67				97.4		MH
40			14	6								
45			15	12		65	56	16		96.7		MH
50		Stiff yellowish red silt	16	14								
55			17	18		21	NP	NP		11.0		SP-SM
60			18	18								
65			19	18								
70		Firm dark gray sand with silt	20	18								
75			21	22								
80			22	20								
85			23	22								
90		B.T. @ 90 FT	24	23								

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 6/12/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 54 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:**

**BORING NUMBER:** B-23

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:** OFFSET 28' SOUTH 10' EAST

**N:** 261753 **E:** 1800834

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Medium consistency reddish brown sandy clay	1	7							c*=1.25	
		Loose reddish brown silty sand	2	8							c*=0.75	
5		Medium consistency brownish gray sandy clay	3	5		46	85	61		96.9	c*=1.00	CH
		Firm reddish brown clayey sand with crushed stone	4	5								
		White stone	5	11								
10		Reddish dark brown silty sand with gravel	6	13								
		Soft brownish black clay with organics	T-1			44	84	56	77	82.1	c=0.20	CH
15		Soft reddish black sandy clay with organics	8	6								
		Very loose reddish brown clayey sand	9	3		137				76.1		CH
20		Very loose reddish dark brown silty sand	10	4		87						
25			11	3								
30			12	3								
35			13	WOH								
40			14	WOH		64	56	32		97.6		CH
45			15	WOH								
		Very soft brownish red clay	16	2		63						
50			17	3								
55			18	WOH								
60			19	WOH		31	36	16		46.3		SC
65		Very loose gray clayey sand	20	WOH								
70			21	WOH								
75		Very loose gray clayey sand	22	14								
80		Firm gray silty sand	23	14								
85		Firm brownish gray silty sand	24	16								
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:** OFFSET 52' SOUTH 31' EAST

**DATE DRILLED:** 6/11/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 54 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-24

**BORING LOCATION:**

**N:** 262231 **E:** 1800684

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS	
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.					
0		Firm dark brown silty sand with shells	1	16							c*=2.00		
			2	17									
5		Firm black sand with organics	3	12									
			4	13									
			5	WOH		71	109	95		99.0	c*=0.25	CH	
			6	2		58					c*=0.50 c=0.15 φ=4°	CH	
10		Very soft gray clay	T-1			79	80	59	52	88.7		CH	
15			8	WOH		92					c*=0.25		
			T-2			46	72	56	76	71.5		c=0.18	CH
20			10	WOH		21							
			T-1A										
25		Very soft brownish red clay	11	WOH		64							
			12	WOH									
30			T-2A			75							
			13	2									
35		Very soft brownish red silt	14	2		63			69		c=0.24		
40			T-3										
45			15	WOH		63	41	9		97.0		ML	
			16	WOH								c*=0.25 c=0.43	
50		Very soft reddish gray clay	T-4			59			68				
			17	WOH								c*=0.50	
55			18	WOH								c*=0.75 c=0.22	
60			T-5			66				63			
65		Very loose to loose reddish gray silty sand	19	WOH		46					c*=0.75		
			20	WOH								c*=0.75 c=0.38	
70			T-6			65				63			
			21	3									
75			22	6									
80			23	4									
85			24	6									
90			B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 6/7/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 54 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-25

**BORING LOCATION:**

**N:** 262706 **E:** 1800536

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose brownish red clayey sand	1	4								
			2	3								
			3	20								
5		Firm brownish red silty sand	4	18								
			5	20								
			6	23								
10		Very loose brownish red silty sand	7	WOH		27	NP	NP		21.8		SM
		Very loose reddish dark brown silty sand	8	2								
15		Very loose reddish dark gray silty sand	9	2								
		Very loose brownish red silty sand	10	3		52	33	5		40.2		SM
20												
25		Very soft to soft brownish red sandy clay	11	2								
			12	3								
30												
35		Very soft brownish red clay	13	WOH		65						
			14	2								
40												
45		Very soft brownish red sandy clay	15	WOH								
			16	8								
50		Loose brownish red clayey sand										
			17	11								
55		Firm brown silty sand with dark gray clay										
			18	13							c*=1.50	
60		Stiff to very stiff dark gray sandy clay										
			19	16							c*=1.50	
65												
70		Very stiff dark gray clay with organics	20	17		91					c*=1.75	
			21	18							c*=1.50	
75												
80		Firm reddish gray clayey sand	22	15								
			23	20								
85		Firm brownish gray and reddish gray silty sand										
			24	19								
90		B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**DATE DRILLED:** 6/6/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 53 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-26

**BORING LOCATION:**

**N:** 263118 **E:** 1800406

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Soft dark brown sandy clay	1	4							c*=0.00	
		Firm reddish brown silty sand	2	17								
5		Firm brownish red silty sand	3	18								
			4	21		15	19	3		21.9	c*=1.00 c*=1.25	SM
			5	16								
			6	20								
10		Stiff reddish brown sandy clay	7	14							c*=0.75	
			8	19								
15		Very loose brownish red clayey sand with gravel	9	2								
			10	4		62						
20												
25			11	1		58	48	13		89.5		ML
30		Very soft brownish red silt	12	2								
			13	4								
35												
40			14	3								
45		Medium consistency brownish red sandy clay	15	5								
			16	0		72	56	14		99.7		MH
50												
55		Soft brownish red silt	17	2								
			18	4								
60												
65			19	6								
70		Very stiff brownish red silt	20	20		61	46	15		92.1		ML
			21	23								
75		Very stiff brown and gray sandy clay										
			22	14								
80		Firm reddish gray clayey sand										
			23	19								
85		Firm gray sand										
			24	21								
90		B.T. @ 90 FT										

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:** 4/17/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 50 FT.

**DATUM:**

**WATER DEPTH:** CAVED AT 5  
FT

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-28

**BORING LOCATION:**

**REMARKS:**

**N:** 261724 **E:** 1802320

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/17/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm dark brown silty sand	1	20								
5		Firm reddish brown clayey sand	2	13		14				34.2	c*=1.50	SC
		Loose red clayey sand	3	15				25	25	33.1	c*=2.25	SM
		Loose red fine to medium grained silty sand	4	17								
10		Loose gray and red fine to medium grained silty sand with clay balls and gravel	5	7		23						
		Loose light red and light grayish brown silty sand with gravel	6	8								
15			7	9						20.8		SM
			8	4		28						
			9	4								
20			10	6								
			11	5								
25		Loose brownish red fine to medium grained fine to medium grained silty sand	12	4								
30			13	1						91.5	c*=0.00	CH
35			14	2		63					c*=0.00	
40		Very soft red clay	15	2								
45			16	0						95.9		MH
50			17	3		65					c*=0.38	
55			18	4							c*=0.38	
60		Soft dark brownish gray sandy clay	19	4		28					c*=0.25	
65			T-1	3		24	29	13	95	33.3	c*=0.25	SC
70		Very loose brownish gray clayey sand	20	3							c*=0.38	
75			21	4		30						
80			22	7		22				19.2		
85		Loose gray fine to medium grained silty sand	23	8								
90		B.T. @ 90 FT	24	8								

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:** 4/17/24

**BORING DEPTH:** 90 FT.

**BORING ELEV.:** 57 FT.

**DATUM:**

**WATER DEPTH:** CAVED AT 9  
FT

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-29

**BORING LOCATION:**

**REMARKS:**

**N:** 260764 **E:** 1802482

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/17/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose brown sand with gravel	1	8								
5		Very loose red silty clayey sand	2	9		18	13	5		36.4	c*=0.13	SC-SM
		Firm red fine to medium grained silty sand	3	2								
		Firm grayish brown fine to medium grained silty sand	4	4								
		Very loose red fine to medium grained silty sand	5	13								
		Firm red fine to medium grained silty sand	6	13								
10		Stiff red gravelly sandy clay	7	1								
15		Soft reddish brown clayey sand	8	2		18				14.3		SM
		Medium consistency red clay	9	14								
		Very soft red silt	10	15								
20		Very soft red silt	11	4		22	34	17		34.6	c*=0.25	SC
25		Very soft red silt	12	5							c*=0.38	
30		Very soft red silt	13	7							c*=0.13	
35		Very soft red silt	14	7							c*=0.13	
40		Very soft red silt	15	1		61				88.9		MH
45		Very soft red silt	16	2								
50		Very soft red silt	17	0		61					c*=0.00	
55		Very soft red silt	18	0							c*=0.00	
60		Very soft red silt	19	2		61						
65		Very soft red silt	20	0								
70		Very soft red silt	21	4		34	42	26		86.0	c*=0.38	CL
75		Very soft red silt	22	2							c*=0.63	
80		Very soft red silt	23	2		41					c*=0.50	
85		Very soft red silt	24	4							c*=0.75	
90		B.T. @ 90 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:** 6/24/24

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 35 FT.

**DATUM:**

**WATER DEPTH:** 13 FT.

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-30

**BORING LOCATION:**

**REMARKS:**

**N:** 262926 **E:** 1800391

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose to firm brown silty sand and gravel	1	8								
2			2	11								
5		Firm red silty sand	3	14								
4			4	16			40	47	15	52.2		ML
5			5	4								
6			6	5								
10		Soft to medium consistency red sandy silt	7	1							c*=0.25	
15			8	2			70			99.6	c*=0.13	CH
9			9	WOH							c*=0.13	
10			10	WOH			72			61	c*=0.13 c=0.39	
T-2			11	1			67	60	30	99.6	c*=0.13	CH
25			12	2							c*=0.15 c=0.39	
30		Very soft and soft red clay	T-3	3			65			63	c*=0.20	
13			13	3								
40			14	WOH			68			99.5	c*=0.25	CH
T-4			15	WOH							c*=0.20	
45			16	3							c*=0.38	
50			T-5	17	15							
55			18	16								
60			19	17								
65		Firm gray sand with silt	20	18								
70		21	.									
75		B.T. @ 75 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:**

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 14.5 FT.

**DATUM:**

**WATER DEPTH:**

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-32

**BORING LOCATION:**

**REMARKS:**

**N:** 262348 **E:** 1800414

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm reddish brown silty sand with trace gravel	1	17								
2			2	19								
3			3	0		69	52	14		99.5		MH
4		Very soft reddish yellow silt	4	0		57				64.2		MH
5			5	0								
6			6	0								
7		Loose to firm dark brown silty sand	7	6		34	NP	NP		22.4		SM
8			8	11								
9		Soft yellowish red silt	9	2								
10			10	3		71	40	10		93.3		ML
11		Very soft gray sandy clay	11	1		62					c*=0.00	
12			T-1			60	86	55	65	93.7	c=0.33 c*=0.13	CH
13			12	2		71						
14		Very soft to soft dark brown organic silty clay	13	4							c*=0.13	
15			T-2									
16			14	3							c*=0.13	
17			15	3							c*=0.25	
18			16	25								
19			17	22								
20		Firm light brown and light gray sand	18	28								
21			19	21								
22			20	22								
23			21	22								
24		B.T. @ 75 FT										

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 6/25/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 5 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:** 3 FT.

**BORING NUMBER:** B-33

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**N:** 261262 **E:** 1800660

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown silty sand with gravel	1	14								
		Firm red silty sand	2	13								
5		Very loose brownish gray clayey sand with gravel	3	2		36	43	23		29.7		SC
		Very loose brownish gray silty clayey sand with organics	4	4								
			5	WOH								
10			6	WOH		33	19	4		33.9		SC-SM
			7	WOH								
15		Very loose brownish gray silty clayey sand	8	WOH		31	24	6		32.8		SC-SM
			9	WOH								
			10	WOH								
25			11	WOH		29	30	13		47.3		SC
		Very loose gray clayey sand	12	WOH							c*=0.13	
35			13	1		31	26	22		55.5	c*=0.13	CL
		Very loose gray sandy clay	14	2								
45			15	2		27	28	9		50.0	c*=0.30	SC
		Very loose gray clayey sand	16	3								
55			17	35								
		Dense light brown and white sand	18	35								
65			19	36								
		Dense brown sand	20	42								
75		B.T. @ 75 FT	21	46								

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 6/25/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 6 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**BORING NUMBER:** B-34

**DRILL RIG:** MOBILE B37

**WATER DEPTH:** 3 FT.

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**REMARKS:**

**N:** 260285 **E:** 1800957

MOD DEEP BORING LOG W/O NC VALUES & N.E. 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown silty sand with gravel	1	11								
		Firm red silty sand	2	13								
		Soft brown and red sandy clay	3	2								
5		Soft brown sandy clay with organics	4	3		35	33	15		56.4		CL
		Very soft clay with sand	5	WOH								
		Very soft brownish gray organic clay with sand	6	WOH		67				67.4		CL
10			7	WOH								
			8	WOH								
15		Very loose gray silty sand	9	WOH		32				22.3		SM
			10	WOH								
20												
			11	WOH								
25												
			12	WOH		29				44.2		SC
30												
			13	WOH								
35		Very soft gray clayey sand										
			14	WOH		34	30	12		47.9		SC
40												
			15	WOH								
45												
			16	WOH		29	26	10		46.6		SC
50												
			17	36								
55												
			18	37								
60		Dense white and light brown sand										
			19	38								
65												
			20	43								
70		Dense light brown sand										
			21	45								
75		B.T. @ 75 FT										
80												
85												
90												

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:** 4/11/24

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 8 FT.

**DATUM:**

**WATER DEPTH:** 3.3 FT.

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-36

**BORING LOCATION:**

**REMARKS:**

**N:** 263709 **E:** 1803108

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown to reddish brown medium to coarse grained gravelly sand	1	27								
			2	29								
			3	17								
5		Firm reddish brown silty sand with gravel	4	17								
			5	1/12"								
		Firm brown clayey sand with gravel	6	0		74				89.5		CH
10		Very loose dark gray silty sand with gravel	7	0								
		Black organic silt	8	0							c*=0.00	
15		Very soft gray sandy clay	9	0							c*=0.25	
		Very loose gray fine grained clayey sand	10	0		31	34	12		47.7		SC
20			11	0								
25		Very loose gray clayey sand with shells	12	0								
30			13	0							c*=0.13	
35			14	0								
40		Very loose dark gray fine grained silty sand	15	0		31				23.8		SM
45			16	36								
50		Dense light gray and reddish brown fine to medium sand with gravel	17	42								
55		Dense light gray fine to medium grained sand with silt	18	46								
60		Dense yellowish brown fine to medium grained sand with silt	19	46								
65			20	19								
70		Firm yellowish brown to brown fine to medium grained silty sand	21	18								
75		B.T. @ 75 FT										
80												
85												
90												

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**G.E.T. PROJ. NUMBER:** 24-110

**PROJECT LOCATION:** MOBILE, AL

**DRILL RIG:** MOBILE B37

**DRILL METHOD:** MUD ROTARY

**DATE DRILLED:** 4/11/24

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 6 FT.

**DATUM:**

**WATER DEPTH:** 0.4 FT.

**DRILL CREW:** ES, BT,  
PH(LOGGER)



**BORING NUMBER:** B-37

**BORING LOCATION:**

**REMARKS:**

**N:** 262784 **E:** 1803453

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/7/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm reddish brown to red silty clayey sand	1	9								
			2	10								
5		Loose red and brown silty sand with gravel	3	6								
			4	9								
		Loose yellowish red clayey sand	5	0		20	18	3		25.8		SM
		Very loose yellowish red silty clayey sand	6	2								
10			7	1								
		Very loose brown silty sand	8	0								
		Very loose brownish red clayey sand	9	0		31	26	9		43.8		SC
15			10	2								
20			11	0								
25			12	0		30	29	10		58.8		CL
30		Very loose gray clayey sand	13	1								
35			14	0								
40			15	0		24	20	11		20.9		SC
45		Very loose gray silty clayey sand	16	9								
50		Loose light gray clayey sand	17	11								
55			18	15								
60		Firm light gray silty sand	19	19								
65			20	27								
70		Firm to dense light gray sand	21	33								
75		B.T. @ 75 FT										
80												
85												
90												

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 4/12/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 6 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:** 0.4 FT.

**BORING NUMBER:** B-38

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**N:** 261855 **E:** 1803813

MOD DEEP BORING LOG W/O NC VALUES & N.E. 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/17/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose reddish brown silty sand with organics	1	4								
		Loose red clayey sand	2	6								
		Loose red silty sand	3	2		20	19	8		29.9		SC
5			4	4								
		Firm brown and red silty clayey sand with gravel	5	12								
			6	13								
10			7	15								
		Very loose red silty clayey sand	8	2		17	16	6		27.1		SC-SM
15			9	3								
			10	4								
20												
			11	3		28				27.2		SC-SM
25												
			12	5								
30												
		Loose to very loose gray to reddish gray silty clayey sand with shells	13	2		31				23.0		SC-SM
35												
			14	0								
40												
			15	1		27	21	5		24.5		SC-SM
45												
			16	1								
50												
			17	3							c*=0.38	
55												
		Medium to soft dark brownish gray silt with organics	18	5		126	148	92		74.3	c*=0.50	MH
60												
			19	5							c*=0.50	
65												
			20	50								
70		Very dense brownish gray fine to medium grained sand with silt										
			21	50								
75		B.T. @ 75 FT										
80												
85												
90												

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

**PROJECT NAME:** ASPA  
SPOIL BASIN EXPANSION

**DATE DRILLED:** 4/15/24



**G.E.T. PROJ. NUMBER:** 24-110

**BORING DEPTH:** 75 FT.

**BORING ELEV.:** 7 FT.

**PROJECT LOCATION:** MOBILE, AL

**DATUM:**

**WATER DEPTH:** 0.4 FT.

**BORING NUMBER:** B-39

**DRILL RIG:** MOBILE B37

**DRILL CREW:** ES, BT,  
PH(LOGGER)

**BORING LOCATION:**

**DRILL METHOD:** MUD ROTARY

**REMARKS:**

**N:** 260866 **E:** 1804171

MOD DEEP BORING LOG W/O NC VALUES & N-E 24-110 ASPA SPOIL BASIN EXPANSION.GPJ GETI.AL.GDT 4/17/25

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Loose brown clayey sand	1	5								
		Loose reddish brown silty sand	2	6								
		Loose red clayey sand	3	8								
5			4	7		22	22	7		26.5		SC-SM
			5	2								
		Loose reddish brown, grayish brown and brown silty clayey sand	6	4								
10			7	5								
			8	7								
15			9	1							c*=0.13	
			10	2		79	65	25		92.5		MH
20												
		Very soft black and gray silt	11	2								
25			12	0								
30			13	0		27	22	7		15.6		SC-SM
35			14	2								
		Very loose brownish gray silty clayey sand	15	0		26	22	5		12.4		SC-SM
40			16	0								
45			17	26		19	NP	NP		7.9		SP-SM
50			18	36								
55			19	42								
		Firm to dense grayish brown fine to medium grained sand with silt	20	30								
65			21	25								
70												
75		B.T. @ 75 FT										
80												
85												
90												

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:





**Alabama State Port Authority**  
**Pre-Bid Meeting Attendance Sheet**

**Project Name** Blakeley/Mud Lakes Dike Raising & Weir Boxes  
**Date:** 04.09.2025

**Project #** 11381

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
Blade Construction					
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
Steve Braun		steve@bladeconstruction.com		251-752-5404	
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
FIGURE CONSTRUCTIONS					
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
Joe Jeremiah		JOE@DOORTHFIGURES.COM		334-432-3011	
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
Hughes Companies Inc		3425 Anta Sec.	Mobile, AL	36612	
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
Preston W Hughes		phughes@hpuconline.com		251-610-9674	
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
Robt J Baggett Inc		755 Holcomke Ave			
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
Joey Dicks		joey@rybaggett.com			
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		



**Alabama State Port Authority**  
**Pre-Bid Meeting Attendance Sheet**

**Project Name** Blakeley/Mud Lakes Dike Raising & Weir Boxes  
**Date:** 04.09.2025

**Project #** 11381

Contractor (Business) Name		Address 1	Address 2	City, State Zip	
Center's Contracting		23263 Harmony Church Rd		Andalusia, AL 36421	
Contact Name		e-mail address		Telephone	Telephone
Austin Carter		centercontracting@hotmail.com		334-222-6670	334-488-6023
Signature	Signature	Signature	Signature	Signature	Signature

Contractor (Business) Name		Address 1	Address 2	City, State Zip	
L & L MARINE, LLC		17817 Lewis Smith Drive		36535	
Contact Name		e-mail address		Telephone	Telephone
Scott Carter		scottcarterobs@gmail.com		251-689-7217	
Signature	Signature	Signature	Signature	Signature	Signature

Contractor (Business) Name		Address 1	Address 2	City, State Zip	
AM-TECH		660 Dunlap Dr mobile		AL 36602	
Contact Name		e-mail address		Telephone	Telephone
Justin Brewer		jbrewer@americanmtech.net		251-623-3766	
Signature	Signature	Signature	Signature	Signature	Signature

Contractor (Business) Name		Address 1	Address 2	City, State Zip	
Frogco Amphibious		2280 Cotoac Rd.			
Contact Name		e-mail address		Telephone	Telephone
Gascett Nazuin		frog@frogcolle.com		985-852-0825	
Signature	Signature	Signature	Signature	Signature	Signature



**Alabama State Port Authority**  
**Pre-Bid Meeting Attendance Sheet**

**Project Name** Blakeley/Mud Lakes Dike Raising & Weir Boxes  
**Date:** 04.09.2025

**Project #** 11381

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
VS Aqua Services		4406 CA-14W	New Iberia, LA	New Iberia, LA 70560	
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
Thomas Barnes		tbarnes@vsdredse.com		706-296-3488	337-519-6023
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
STEM		750 VIADUCT RD		CHICKASAW AL 36611	
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
TELLIER KERRY		TELLIER@TELLIERCORP.COM		251 406 2573	
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		

<b>Contractor (Business) Name</b>		<b>Address 1</b>	<b>Address 2</b>	<b>City, State Zip</b>	
<b>Contact Name</b>		<b>e-mail address</b>		<b>Telephone</b>	<b>Telephone</b>
<b>Signature</b>	<b>Signature</b>	<b>Signature</b>	<b>Signature</b>		