

DEPTH, FEET		SAMPLE NO.	PEN./TORSANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSIS- TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
BORING NO. <u>91244</u> DATE: BEGIN <u>07-24-91</u> PAGE <u>111</u> JOB NO. <u>14649A</u> COMPLETE. <u>07-24-91</u> Thin Walled Tube PROJECT <u>GIWW</u> ☒ 3" ☐ 6" LOCATION <u>SARGENT BEACH</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>ARCO BUGGY RIG</u> GROUNDWATER: DEPTH <u>1 1/2</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>PARTLY CLOUDY</u> DRILLER <u>ROBERT TANKERSLEY</u> LOGGER <u>JOHN H. GENTRY</u>								
0	1	0.25	BROWN	CLAY	SOFT		-w/ SAND LAYERS (FILL) *GRAY SAND SEAMS 3'-22'	
	2	0.25	BROWN	CLAY	SOFT			
5	3	0.5	BROWN	CLAY	MEDIUM STIFF			
	4	0.5	BROWN	CLAY	MEDIUM STIFF			
10	5	0.25	BROWN	CLAY	SOFT			
	6	0.25	BROWN	CLAY	SOFT			
	7	0.25	BROWN	CLAY	SOFT			
15	8	0.5	BROWN	CLAY	MEDIUM STIFF			
	9	0.5	BROWN	CLAY	MEDIUM STIFF			
	10	0	BROWN	CLAY	VERY SOFT			
20	11	0.25	BROWN	CLAY	SOFT			
	12		GRAY	CLAY	STIFF		SAND LAYER	
	13	1.0	BROWN	CLAY	STIFF		-w/ SAND LAYER	
25	14	1.0	BROWN	CLAY	STIFF			
	15	1.5	GRAY	CLAY	STIFF			
	16	0.5	BROWN	CLAY	MEDIUM STIFF			
30	17	0.5	BROWN	CLAY	MEDIUM STIFF			
	18	0.5	GRAY	CLAY	MEDIUM STIFF			
35	19	0.5	GRAY	CLAY	MEDIUM STIFF		+ BROWN	
								BOTTOM OF 91244

SHORT SAMPLE
DUE TO SAND
LAYER

Limit of
Excavation

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	LL (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	0.50		Brown, Clay, Medium stiff, w/Sand pockets & seams <i>Soft</i>	CH	44.0										0.30	
2	2-4	0.25		Gray & brown, Clay, Soft, w/Sand pockets & seams	CH	70.2										0.20	
3	4-6	0.25		Gray & brown, Clay, Soft, w/Shell fragments & sand pockets	CH	51.1										0.15	
4	6-8	0.25		Gray & brown, Clay, Soft, w/Shell fragments & sand pockets	CH	39.5										0.15	
5	8-10	0.25		Brown, Clay, Soft <i>SWD</i>	CH	44.8	76		80	24					95		
6	10-12	0.25		Brown & gray, Clay, Soft, w/Sand seams & shell fragments	CH	46.8	74.4	109.1	70	24	99.9*	99.4*	96.4*		89.2	0.10	0.12
7	12-14	0.25		Brown, Clay, Soft, w/Sand seams & shell fragments	CH	48.5										0.15	
8	14-16	0.50 <i>0.25</i>		Brown, Clay, Medium stiff <i>Soft SWD</i>	CH	44.7	78		50	16					63		
9	16-18	0.25		Brown, Clay, w/Sand seams & shell fragments <i>Soft</i>	CH	46.6	74.8	109.7	55	23	100.0	99.7*	98.9*		89.3	0.10	0.12
10	18-20	0.00 <i>0.25</i>		Brown, Clay, Very soft <i>SWD</i>	CH	46.1	77		58	18					83		
11	20-22	0.25		Brown & gray, Clay, Soft, w/Shell fragments	CH	43.0	78.3	112.0	58	19	98.2*	96.9*	92.9*		89.3	0.15	0.14
12	22-23	0.50		Brown, Clay, Medium stiff, w/Shell fragments <i>Soft</i>	CH	33.3										0.35	
13	23-24	0.50		Brown, Clay, Medium stiff, w/large sand pockets <i>Soft</i>	CH	32.9										0.35	
14	24-26	1.00 <i>0.75</i>		Brown, Clay, Stiff <i>SWD</i>	CH	49.5	73		76	24					98		
15	26-28	1.00		Brown, Clay, Stiff, w/Ferrous nodules	CH	50.3	72.1	108.4	90	35	100.0	100.0	99.8		98.4		0.78
16	28-30	0.50		Brown, Clay, Medium stiff <i>Soft</i>	CH	40.0										0.20	
17	30-32	0.75		Brown, Clay, Medium stiff	CH	37.4										0.35	

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content

q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

* : Material retained are shell fragments

SUMMARY OF LABORATORY TEST RESULTS

91-244

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