

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
BORING NO. <u>93-108</u> DATE: BEGIN <u>8/4/94</u> PAGE <u>1 / 2</u> JOB NO. <u>946783-1</u> COMPLETE <u>8/8/94</u> Thin Walled Tube PROJECT <u>HOUSTON-GALVESTON Navigation Channel</u> ☒ 3" ☐ 6" LOCATION <u>LEVEE @ DISPOSAL AREA #16</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Arco K4x4, C-1000 Marsh Buggy</u> GROUNDWATER: DEPTH <u>0</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>CLOUDY / WINDY</u> DRILLER <u>DAVID GREGUREK</u> LOGGER <u>RUSTY TEEHAN / Willie Barnes</u>								
Torvane Reading								
0	X 1	2 3/5	LIGHT BROWN	SAND	LOOSE	SILTY		
5	X 2	3 3/6	GRAY	SAND	LOOSE	SILTY		
10	3	2 3/5	GRAY	SAND	LOOSE	SILTY		- WITH SHELL FRAGMENTS
0.35	4	0.00 / 0.07	GRAY	CLAY	VERY SOFT	Sandy		
0.30	5	0.00 / 0.06	GRAY	CLAY	VERY SOFT	Sandy		
20	X 6	2 1/2 / 3	GRAY	SAND	LOOSE	silty		w/ SHELL FRAGMENTS
25	X 7	3 1/2 / 3	GRAY	SAND	LOOSE	silty		w/ SHELL FRAGMENTS
30	X 8	4 1/2 / 3	GRAY	SAND	LOOSE	silty		w/ SHELL FRAGMENTS
35	X 9	1 1/2 / 3	GRAY	SAND	LOOSE	silty		w/ SHELL FRAGMENTS

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-35-								
	X 10		3/4/5	GRAY	SAND	LOOSE	silty	w/ SHELL FRAGMENTS
-40-	X 11		4/3/8	GRAY	SAND	MEDIUM DENSE	silty	w/ SHELL FRAGMENTS
								Torvane Multiplier 0.2
-45-								
-50-								
-55-								
-60-								
-65-								
-70-								

GEOTEST ENGINEERING, INC.

Project: Houston-Galveston Navigation Channel

SUMMARY OF LABORATORY TEST RESULTS

Contract No. DACW64-94-C-0040

Boring No. 93-108

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)	L L (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-1.5		8	Gray,Sand,Loose,Silty,w/shell fragments	S M												
2	5-6.5		9	Gray,Sand,Loose,Silty,w/shell fragments	S M						100.0	100.0	99.8	85.8	38.6		
3	10-11.5		8	Gray,Sand,Loose,Silty,w/shell fragments	S M												
4	14-16	0.00		Gray,Clay,Very soft,w/sand pockets	C H	84.2	52.4	96.5	82.0	29.0	100.0	99.9	97.8	92.6	89.6		
5	16-18	0.00		Gray,Clay,Very soft,w/sand pockets	C H	66.1											
6	18-19.5		5	Gray,Sand,Loose,Silty,w/shell fragments	S M												
7	23-24.5		5	Gray,Sand,Loose,Silty,w/shell fragments	S M						98.3*	94.2*	88.4*	71.0	12.2		
8	28-29.5		5	Gray,Sand,Loose,Silty,w/shell fragments	S M												
9	33-34.5		5	Gray,Sand,Loose,Silty,w/shell fragments	S M												
10	38-39.5		9	Gray,Sand,Loose,Silty,w/shell fragments	S M						99.9*	99.7*	96.2*	71.0	43.0		
11	39.5-41		11	Gray,Sand,Medium dense,Silty,w/shell fragments	S M												

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

q u : Uncogined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe

* : Material retained are shell fragments

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