U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91266 DATE: BEGIN 07-28-91 PAGE 1 / 1
JOB NO. 14644 COMPLETE 07-29-91 Thin Walled Tube ☐ 3" ☐ 6"
PROJECT GIWW
LOCATION SARGENT BEACH
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG F36
GROUNDWATER: DEPTH 1½ ft., ELEV. ____ ft., at end of Drilling
WEATHER PARTLY CLOUDY
DRILLER Robert Tankersley LOGGER John A. Hunter

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	1.0	BROWN	CLAY	STIFF		- W/ ROOTS 0'-2'
								- W/ SILT LAYERS 2'-4'
		2	1.75	GRAY	CLAY	STIFF		
5		3	1.5	BROWN	CLAY	STIFF		
		4	0.75	BROWN	CLAY	MEDIUM STIFF		
		5	0.5	BROWN	CLAY	MEDIUM STIFF	Q	Limit of Excavation
10		6	0.75	BROWN	CLAY	MEDIUM STIFF		
		7	0.25	GRAY	CLAY	SOFT	Q	- W/ SHELL FRAGMENTS 12'-16'
		8	0.25	GRAY	CLAY	SOFT		
15		9	2.0	GRAY	CLAY	VERY STIFF		TAN 16'-20'
		10	2.25	GRAY	CLAY	VERY STIFF		* REDISH BROWN + TAN CALCAREOUS 16'-20'
20		11	2.25	GRAY	CLAY	VERY STIFF		
		12	2.75	REDISH BROWN	CLAY	VERY STIFF		
25		13	3.0	REDISH BROWN	CLAY	VERY STIFF		
								BOTTOM OF 91266

GEOTEST ENGINEERING, INC.

Project: Gulf Intracostal Waterway near Sargeant Beach, Texas
Contract No. DACW64-91-D-001, Delivery Order No. 0022

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-266

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	0-2	0.75		Brown,Clay,Medium stiff,w/Sand seams	CH	29.3												
2	2-4	1.25		Brown,Clay,Stiff,w/Sand seams	CH	30.2												
3	4-6	1.75		Brown,Clay,Stiff	CH	34.2												
4	6-8	0.75		Brown,Clay,Medium stiff,w/Shell fragments	CH	33.2	84.8	113.0	62	25	100.0	100.0	99.8		93.8	0.30	0.49	c = 49
5	8-10	0.50		Brown,Clay,Medium stiff	CH	37.1	83		57	17	100				84			c = 120
6	10-12	0.25		Brown,Clay,Soft,w/Shell fragments	CH	44.2	75.0	108.1	56	22	99.9*	99.3*	98.2*		91.2	0.20	0.29	c = 29
7	12-14	0.25		Gray,Clay,Soft	CH	39.3	80		57	17	99				93			c = 40
8	14-16	0.25		Gray,Clay,Soft,w/Shell fragments	CH	45.6	74.7	108.8	53	21	95.1*	94.1*	92.8*		84.4	0.10	0.12	c = 120
9	16-18	1.25		Gray,Clay,Stiff	CH	42.0												
10	18-20	1.75		Gray & yellow,Clay,Stiff,w/Calcareous nodules	CH	39.6												
11	20-22	2.25		Brown & gray,Clay,Very stiff,w/Calcareous nodules	CH	36.0	84.4	114.8	89	28	99.0	98.6	98.1		97.4		1.59	
12	22-24	2.25		Brown,Clay,Very stiff	CH	32.9												
13	24-26	2.75		Brown,Clay,Very stiff	CH	32.7												

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