

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91259</u> DATE: BEGIN <u>7-25-91</u> PAGE <u>1/1</u>				
			JOB NO. <u>146494</u> COMPLETE <u>7-25-91</u> Thin Walled Tube ☒ 3" ☐ 6"				
			PROJECT <u>G I W W</u>				
			LOCATION <u>SARGENT BEACH</u>				
			ELEVATION OF HOLE _____				
			MANUFACTURER'S DESIGNATION OF DRILL RIG <u>AROCO BUGGY</u>				
			GROUNDWATER: DEPTH <u>1</u> ft., ELEV. _____ ft., at end of Drilling.				
			WEATHER <u>PARTLY CLOUDY</u>				
			DRILLER <u>Robert Tankersley</u> LOGGER <u>John A. Bender</u>				
			COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1	N/A	TAN	SAND	LOOSE		
5	2	N/R	GRAY	CLAY	MEDIUM STIFF		-W/ SILT LAYER 4'-5'
	3	0.5	GRAY	CLAY	MEDIUM STIFF		
	4	0	GRAY	CLAY	VERY SOFT		
10	5	0.5	GRAY	CLAY	SOFT		
	6	0.5	GRAY	CLAY	SOFT		* BROWN 12'-16'
15	7	0.75	GRAY	CLAY	MEDIUM STIFF		
	8	1.0	GRAY	CLAY	STIFF		* TAN + RED 18'-20'
	9	1.25	GRAY	CLAY	STIFF		* TAN - w/ CALCAROUS
20	10	1.25	GRAY	CLAY	STIFF		* FERRUGINOUS BELOW 20'
	11	1.25	GRAY	CLAY	STIFF		
25	12	3.25	REDISH BROWN	CLAY	VERY STIFF		* LIGHT GRAY
							BOTTOM OF 91259

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-259

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 (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2			Light brown,Sand,Loose,w/Silt	SP	9.9					100.0	100.0	100.0		2.3		
2	4-6	0.50		Gray,Clay,Medium stiff,Silty,w/Sand pockets & roots <i>Soft</i>	CL	33.1										0.20	
3	6-8	0.50		Gray,Clay,Medium stiff,w/Sand pockets & roots <i>Soft</i>	CL	29.7										0.20	
4	8-10	0.50		Gray & yellowish brown,Clay,Medium stiff,Silty, w/Blocky structure <i>Soft</i>	CL	37.0	82.8	113.4	43	19	100.0	100.0	99.8		91.5	0.30	0.20
5	10-12	0.50		Gray,Clay,Medium stiff,Silty <i>Soft</i>	CL	40.8										0.20	
6	12-14	0.50		Gray & brown,Clay,Medium stiff,Silty <i>Soft</i>	CL	41.0	79.2	111.6	46	21	100.0	100.0	99.9		93.6	0.25	0.15
7	14-16	0.75		Brown,Clay,Medium stiff,Silty,w/Sand pockets	CL	39.8										0.30	
8	16-18	0.75		Brown,Clay,Medium stiff,Silty	CL	35.3										0.30	
9	18-20	1.25		Gray & Olive gray,Clay,Stiff,Silty	CL	25.0	101.3	126.6	42	20	99.8	99.3	99.1		94.0		1.03
10	20-22	1.50		Olive gray,Clay,Stiff,Silty,w/Calcareous nodules	CL	19.5											
11	22-24	2.25		Olive gray,Clay,Very stiff,Silty w/Calcareous nodules	CL	21.5											
12	24-26	2.25		Olive gray,Clay,Very stiff,Silty w/Calcareous nodules	CL	20.8	105.5	127.5	42	18	98.3*	97.5*	96.8*		86.2		0.98

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