

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91261</u> DATE: BEGIN <u>07-27-9</u> / PAGE <u>1</u> / <u>1</u>				
				JOB NO. <u>146494</u> COMPLETE <u>7-27-9</u> Thin Walled Tube ☒ 3" ☐ 6"				
				PROJECT <u>GIWW</u>				
				LOCATION <u>SARGENT BEACH</u>				
				ELEVATION OF HOLE _____				
				MANUFACTURER'S DESIGNATION OF DRILL RIG <u>ARDCO 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. Bentley</u>				
				COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
JAR	0	1	0.25	BROWN	CLAY	SOFT		- w/ROOTS & SILT SEAMS
		2	1.25	GRAY	CLAY	STIFF		- w/FERROUS 2'-4' TAN
	5	3	1.25	GRAY	CLAY	STIFF		- w/SAND LAYER 4'-5'
		4	1.25	GRAY	CLAY	STIFF		
		5	1.25	GRAY	CLAY	STIFF		
	10	6	1.25	GRAY	CLAY	STIFF		
		7	0.75	GRAY	CLAY	MEDIUM STIFF		+ BROWN - w/STIFF CLAY SEAMS
	15	8	1.5	BROWN	CLAY	STIFF		+ GRAY
		9	0.75	GRAY	CLAY	MEDIUM STIFF		
		10	1.0	GRAY	CLAY	STIFF		
	20	11	1.75	GRAY	CLAY	STIFF		* + TAN
		12	2.25	GRAY	CLAY	VERY STIFF		* TAN + REDDISH BROWN BELOW 22'
	25	13	2.25	GRAY	CLAY	VERY STIFF		
								BOTTOM OF 91261

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. 91-261

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	0.25		Brown, Clay, Soft, Sandy	CL	29.6											
2	2-4	0.75		Gray & brown, Clay, Medium stiff, Sandy	CL	25.5											
3	4-6	0.75		Gray & yellowish gray, Clay, Medium stiff, Sandy	CL	25.9											
4	6-8	0.75		Gray & dark gray, Clay, Medium stiff, Sandy	CL	30.9											
5	8-10	0.75		Gray, Clay, Medium stiff, w/Ferrous nodules	CH	30.9	89.5	117.1	51	19	100.0	99.9	99.3		94.2		0.43
6	10-12	0.50		Gray, Clay, Medium stiff	CH	42.8											
7	12-14	0.75		Gray, Clay, Medium stiff	CH	39.7										0.30	
8	14-16	0.75		Brown & gray, Clay, Medium stiff	CH	43.9											
9	16-18	0.75		Gray, Clay, Medium stiff, w/Ferrous stains	CH	41.6	79.7	112.8	82	27	100.0	100.0	100.0		100.0	0.30	0.42
10	18-20	1.00		Olive gray, Clay, Stiff	CH	50.3											
11	20-22	1.50		Olive gray, Clay, Stiff	CH	45.1											
12	22-24	2.25		Gray & brown, Clay, Very stiff, w/Calcareous nodules	CH	40.8	80.7	113.6	96	31	97.1	95.6	94.9		93.3		1.28
13	24-26	2.25		Gray & olive gray, Clay, Very stiff, w/Calcareous nodules	CH	45.8											

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