

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BOH <u>11263</u> DATE: BEGIN <u>7-30-91</u> PAGE <u>F-71</u> JOB NO. <u>196 444</u> COMPLETE <u>7-30-91</u> Thin Walled Tube PROJECT <u>CTWW</u> ☒ 3" ☐ 5" LOCATION <u>SARGENT BEACH</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>F31</u> GROUNDWATER: DEPTH <u>1</u> ft., ELEV. <u>6.1</u> ft., at end of Drilling WEATHER <u>PARTLY CLOUDY & HOT</u> DRILLER <u>ROBERT TANRARIQ</u> LOGGER <u>John A. Hunter</u>				
					COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	N/A	TAN	SAND	LOOSE		-w/SHELL	
		2	0.25	GRAY	CLAY	SOFT			
5		3	0.25	GRAY	CLAY	SOFT			
		4	0.25	GRAY	CLAY	SOFT	Q		
		5	0.25	GRAY	CLAY	SOFT	C		
10		6	0.5	BROWN	CLAY	MEDIUM STIFF		*GRAY 10'-14'	
		7	0.5	BROWN	CLAY	MEDIUM STIFF	Q		
15		8	1.5	GRAY	CLAY	STIFF		*TAN	
		9	1.75	GRAY	CLAY	STIFF			
		10	1.75	GRAY	CLAY	STIFF			
20		11	2.0	GRAY	CLAY	STIFF	S		
		12	2.0	GRAY	CLAY	STIFF	Q		
25		13	2.5	REDISH BROWN	CLAY	VERY STIFF		No -w/CALCAREOUS BELOW 22' *LIGHT GRAY BELOW 24' BOTTOM OF 91263	

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. 91-263

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			Tan, Sand, Loose, Silty, w/Shell fragments	S M												
2	2-4	0.25		Gray, Clay, Soft, w/Shell fragments	CH	50.5										0.10	
3	4-6	0.25		Gray, Clay, Soft, w/Shell fragments	CH	50.5	69.1	104.0	57	24	99.9	99.7	99.3		93.3	0.10	0.09
4	6-8	0.25		Gray, Clay, Soft	CH	51.2	71		65	18	100				93		
5	8-10	0.25		Gray, Clay, Soft	CH	56.2	68		71	20					92		
6	10-12	0.00		Gray & brown, Clay, Very soft	CH	42.0										0.04	
7	12-14	0.50		Brown, Clay, Medium stiff	CH	33.7	85		50	18	100				99		
8	14-16	0.75		Gray, Clay, Medium stiff	CH	39.1	79.4	110.4	62	25	100.0	100.0	99.9		94.4		0.22
9	16-18	0.75		Gray, Clay, Medium stiff	CH	48.4											
10	18-20	1.00		Gray, Clay, Stiff	CH	45.0											
11	20-22	2.00 2.5		Gray, Clay, Very stiff	CH	39.9	82		98	26					92		
12	22-24	2.00 1.5		Gray, Clay, Very stiff	CH	42.5	78		94	27					97		
13	24-26	2.50		Brown & gray, Clay, Very stiff, w/Calcareous nodules, Slickensided	CH	38.8											

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