

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91257</u> DATE: BEGIN <u>7-25-91</u> PAGE <u>117</u> JOB NO. <u>146494</u> COMPLETE <u>7-25-91</u> Thin Walled Tube ☒ 3" ☐ 6" PROJECT <u>CZWW</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 Tanky</u> LOGGER <u>John A. Banta</u>				
			COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1	1.0	LIGHT BROWN	CLAY	STIFF	SANDY	-w/ GRASS & ROOTS 0-2
	2	1.0	GRAY	CLAY	STIFF		-w/ ROOTS 2-3'
5	3	0.75	GRAY	CLAY	MEDIUM STIFF		
	4	0.75	GRAY	CLAY	MEDIUM STIFF		
	5	0	GRAY	CLAY	VERY SOFT		
10	6	0.25	GRAY	CLAY	SOFT		
	7	0.75	BROWN	CLAY	MEDIUM STIFF		SILT POCKETS & SEAMS 12-16
15	8	1.0	BROWN	CLAY	STIFF		
	9	1.25	GRAY	CLAY	STIFF		
	10	2.5	GRAY	CLAY	VERY STIFF		* TAN - w/ FERROUS NOD
20	11	3.0	GRAY	CLAY	VERY STIFF		* TAN & BROWN - w/ FERROUS NOD
	12	3.0	BROWN	CLAY	VERY STIFF		SLIGHT GRAY
25	13	3.75	BROWN	CLAY	VERY STIFF		
							BOTTOM OF 91257

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. 91-257

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 (%)	PL (%)	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/Roots	CH	41.7											
2	2-4	0.75		Gray, Clay, Medium stiff, Silty	CL	32.8											
3	4-6	0.75		Gray & yellowish brown, Clay, Medium stiff, Silty w/Ferrous nodules	CL	34.5	85.8	115.4	48	19	100.0	99.9	99.8		93.6	0.25	0.30
4	6-8	0.75		Gray, Clay, Medium stiff, Silty	CL	36.5										0.30	
5	8-10	0.75		Gray & Olive brown, Clay, Medium stiff, Silty w/Ferrous nodules	CL	41.9	78.9	112.0	49	19	100.0	100.0	99.8		94.8	0.25	0.13
6	10-12	0.75		Gray & yellowish brown, Clay, Medium stiff	CH	35.5										0.30	
7	12-14	0.75		Brown & gray, Clay, Medium stiff, w/Blocky structure	CH	45.9										0.30	
8	14-16	0.50		Brown, Clay, Medium stiff	CH	39.8	82.3	115.1	67	26	100.0	100.0	100.0		100.0	0.25	0.24
9	16-18	1.00		Gray, Clay, Stiff	CH	39.1											
10	18-20	1.75		Gray & yellowish brown, Clay, Stiff, w/Blocky structure & calcareous & ferrous nodules	CH	32.8											
11	20-22	2.50		Olive gray & brown, Clay, Very stiff, w/Calcareous nodules	CH	24.3											
12	22-24	2.50		Brown & gray, Clay, Very stiff	CH	29.0	94.4	121.7									
13	24-26	3.00		Brown & gray, Clay, Very stiff	CH	30.4											

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