

DEPTH, FEET		SAMPLE		SAMPLE NO.		PEN./TORVANE SPT.-BLOW COUNT		BORING NO. <u>91267</u> DATE: BEGIN <u>07-28-91</u> PAGE <u>1 11</u> JOB NO. <u>146994</u> COMPLETE <u>07-28-91</u> Thin Walled Tube PROJECT <u>C.I.W.W.</u> ☒ 3" ☐ 6" LOCATION <u>SARGENT BEACH</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>F-36</u> GROUNDWATER: DEPTH <u>3</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>PARTLY CLOUDY</u> DRILLER <u>Robert T. Jansky</u> LOGGER <u>John A. Bentley</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS						
0	1	4.51	BROWN CLAY	HARD		-w/ ROOTS						
	2	2.0	BROWN CLAY	STIFF								
	3	1.0	BROWN CLAY	STIFF		-w/ SAND LAYER 4'-6'						
5	4	0.75	BROWN CLAY	MEDIUM STIFF								
	5	0	GRAY CLAY	VERY SOFT								
10	6	0.25	GRAY CLAY	SOFT								
	7	0.25	GRAY CLAY	SOFT		-w/ SHELL 14'-16'						
15	8	0.25	GRAY CLAY	SOFT								
	9	0.25	LIGHT GRAY CLAY	VERY STIFF		-TAN 16'-18'						
	10	2.5	REDISH BROWN CLAY	VERY STIFF		-GRAY & TAN -w/ CALCAREOUS NOD						
20	11	2.75	REDISH BROWN CLAY	VERY STIFF								
	12	3.0	REDISH BROWN CLAY	VERY STIFF								
25	13	2.25	REDISH BROWN CLAY	VERY STIFF								
						BOTTOM 91267						

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. 91-267

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	4.50		Brown,Clay,Hard,Sandy,w/Roots & strong odor	CL	15.2											
2	2-4	1.75		Gray & dark gray,Clay,Stiff	CH	27.8											
3	4-6	1.25		Brown & gray,Clay,Stiff	CH	30.8										0.60	
4	6-8	1.00		Brown,Clay,Stiff,w/Sand seams	CH	44.6										0.40	
5	8-10	0.25		Brown,Clay,Soft,Silty,w/Shell fragments	CL	37.3	81.8	112.3	42	20	99.9	99.9	99.7		88.5	0.10	0.11
6	10-12	0.25		Gray,Clay,Soft,Silty,w/Shell fragments	CL	46.8										0.10	
7	12-14	0.25		Gray,Clay,Soft,Silty,w/Shell fragments	CL	42.2	72.6	103.2	49	18	98.5	98.3	98.3		89.1	0.08	0.09
8	14-16	0.25		Gray,Clay,Soft,w/Shell fragments	CH	53.5										0.10	
9	16-18	2.25		Olive gray,Clay,Very stiff,w/Blocky structure	CH	40.2											
10	18-20	2.25		Olive gray,Clay,VEry stiff,w/Calcareous nodules	CH	39.4											
11	20-22	2.25		Red & gray,Clay,Very stiff,w/Ferrous stains, Blockyt structure	CH	34.2	89.0	119.4	73	26	100.0	100.0	100.0		100.0		1.05
12	22-24	2.50		Red & gray,Clay,Very stiff,w/Ferrous stains, Blockyt structure	CH	34.2											
13	24-26	2.50		Gray & red,Clay,Very stiff,w/Calcareous nodules	CH	39.7											

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