

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT. COUNT	BORING NO. <u>91-312</u> DATE: BEGIN <u>1/4/92</u> PAGE <u>111</u> JOB NO. <u>140531</u> COMPLETE <u>1/4/92</u> Thin Walled Tube PROJECT <u>CIQUW</u> ☒ 3" ☐ 6" LOCATION <u>Sargent beach sta. 382+00</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Fauling CFD 2</u> GROUNDWATER: DEPTH <u>0</u> ft., ELEV. <u>59</u> ft., at end of Drilling WEATHER <u>cool cloudy</u> DRILLER <u>D. Geagan</u> LOGGER <u>D. Crewe II</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0									
1	1.0	Tan	clay	stiff	silt	w/Roots/shell into gray			
2	1.0	Tan	clay	stiff	silt	gray			
3	1.0	Tan	clay	stiff	silt	w/sand seams			
4	0.25	Tan	clay	soft	silt	gray			
5	0.25	Gray	clay	soft	silt	w/shell			
6	0.25	Gray	clay	soft	silt	w/shell			
7	0.25	Gray	clay	soft	silt	w/shell			
8	0.25	Gray	clay	soft	silt	w/shell			
9	0.25	Gray	clay	soft	silt	Tan w/shell			
10	0.50	Gray	clay	stiff	silt	Tan w/shell			
11	2.0	Gray	clay	stiff	silt	Tan			
12	3.0	Gray	clay	stiff		w/calc Nod, Tan			
13	3.0	Tan	clay	stiff		w/calc Nod, Gray			
14	3.0	Tan	clay	stiff		w/calc Nod, Gray			
15	3.0	Gray	clay	stiff		w/sand seam & calc Nod			
16	2.5	Gray	clay	stiff	silt	w/calc Nod			
17	2.5	Gray	clay	stiff	silt	w/sand			
18	2.5	Gray	clay	stiff	silt	w/sand			

DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-312</u> DATE: BEGIN <u>1/9/92</u> PAGE <u>2</u> / <u>2</u> JOB NO. <u>14G531</u> COMPLETE <u>1/9/92</u> Thin Walled Tube ☒ 2" ☐ 6" PROJECT <u>CEAW</u> LOCATION <u>Sargeant Ranch</u> Sta <u>382+00</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Feeling PD-2</u> GROUNDWATER: DEPTH <u>0</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>cool cloudy</u> DRILLER <u>D. Caran</u> LOGGER <u>P. Cronell</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS				
35										
	17		gray silt	stiff	clay	sandy				
	38		Tan sand	med. dense	silt	gray				
	42		Tan sand	dense	silt					
	48		Tan sand	dense	silt					
	50	Bottom of 91-312 @ 50'								
	55									
	60									
	65									
	70									

Project : Gulf Intracoastal Waterway, near Sargent Beach, Texas
Contract No. DACW64-92-D-0001 Delivery Order No.0005

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-312

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	1.75		Gray, Clay, Stiff, w/roots	CH	25.2											
2	2-4	1.50		Brown & gray, Clay, Stiff, w/sand pocket	CH	34.2			54	22	100.0	99.6	98.5	96.5	95.6		
3	4-6	1.50		Brown, Clay, Stiff, w/sand seams	CH	36.0											
4	6-8	0.50		Brown, Clay, Medium stiff	CH	33.9										0.25	
5	8-10	0.25		Gray, Clay, Soft, Silty, w/shell	CL CH	41	79	111.4	51	14							C = 310
6	10-12	0.00		Brownish gray, Clay, Very soft, w/shell fragments	CH	43.1										0.10	
7	12-14	0.00		Brownish gray, Clay, Very soft, w/shell fragments	CH	51.8										0.10	
8	14-16	0.00		Brownish gray, Clay, Very soft, w/shell fragments	CH	42.6										0.08	
9	16-18	0.25		Gray & tan, Clay, Soft, Silty, w/shell	CL CH	39	82	114	51	14							C = 140
10	18-20	0.75		Brown, Clay, Medium stiff, w/shell fragments	CH	44.5			74								
11	20-22	2.50		Yellowish gray, Clay, Very stiff	CH	34.4											
12	22-24	3.00		Yellowish gray, Clay, Very stiff, w/calcareous nodules	CH	30.5											
13	24-26	3.75		Yellowish gray & reddish brown, Clay, Very stiff, w/calcareous nodules	CH	29.5											46.5
14	26-28	3.75		Reddish brown & gray, Clay, Very stiff, W/calcareous nodules, slickensided	CH	31.8			91								
15	28-30	3.75		Yellowish Gray, Clay, Very stiff, Sandy, w/calcareous nodules and sand parting	CL	18.2											
16	30-32	4.00		Yellowish Gray, Clay, Very stiff, Sandy	CL	18.9											
17	32-34	3.25		Yellowish Gray, Clay, Very stiff, Sandy	CL	20.0											

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-312

[illegible]

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content

q_u : Unconfined Compressive Strength, W_OH : Weight of hammer, W_OP : Weight of pipe