

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-310</u> DATE: BEGIN <u>1/10/92</u> PAGE <u>1/1</u>			JOB NO. <u>14G-531</u> COMPLETE <u>1/10/92</u> Thin Walled Tube		
					PROJECT <u>GTWW</u>			☒ 2" ☐ 6"		
					LOCATION <u>Sargent Beach</u>			Sta <u>371+00</u>		
					ELEVATION OF HOLE					
					MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Failing CPD.2</u>					
					GROUNDWATER: DEPTH <u>0</u> ft., ELEV. <u></u> ft., at end of Drilling					
					WEATHER <u>cool cloudy</u>					
					DRILLER <u>D. Green</u>			LOGGER <u>D. Crowell</u>		
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS				
0										
1	1.0	Tan	clay	stiff	silt	into gray w/roots				
2	1.0	Gray	clay	stiff	silt	w/roots				
5	0.25	Tan	clay	soft	silt	Gray				
4	0.25	Gray	clay	soft	silt	w/shell				
10	0.25	Gray	clay	soft	silt	w/shell				
6	0.25	Gray	clay	soft	silt	w/shell				
7	0.25	Gray	clay	soft	silt	into Tan				
15	0.25	Tan	clay	soft	silt	Gray				
9	2.0	Gray	clay	Very stiff	silt	Tan				
10	2.0	Gray	clay	Very stiff	silt	w/calc. nod				
20	3.0	Tan	clay	Very stiff	silt	w/calc nod Tan				
12	3.0	Tan	clay	Very stiff		gray w/calc nod				
25	3.0	Tan	clay	Very stiff		gray				
14	3.5	Tan	clay	Very stiff	silt	w/calc nod gray				
30	3.5	Tan	clay	Very stiff	silt	w/calc nod gray				
16	1.0	Tan	clay	stiff	silt	w/calc, nod				
17	1.0	Tan	clay	stiff	silt	w/calc, nod				
35	1.0	Tan	clay	stiff	silt	w/calc, nod				

VERY
SOFT
IN LAB

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>94310</u> DATE: BEGIN <u>1/10/92</u> PAGE <u>2</u> / <u>1</u> JOB NO. <u>145531</u> COMPLETE <u>1/10/92</u> Thin Walled Tube ☒ 6" PROJECT <u>Co. 2 WW</u> LOCATION <u>Saigea 7 beach sta 371+00</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>CFD 2</u> GROUNDWATER: DEPTH <u>0</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>cool / clear</u> DRILLER <u>D. Egan</u> LOGGER <u>D. Crowell</u>					
					COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS	
-35-										
-40-										
-45-										
-50-										
-55-										
-60-										
-65-										
-70-										

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-310

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	1.25		Gray & brown,Clay,Stiff,w/roots	CH	33.5											
2	2-4	1.00		Gray,Clay,Stiff	CH	30.0											
3	4-6	0.25		Tan & gray,Clay,Soft,Silty,w/shell	CL				36	13						C = 270	PSI
4	6-8	0.00		Gray,Clay,Very soft,Sandy,w/shell fragments	CH	32.4										0.05	
5	8-10	0.00		Gray,Clay,Very soft,Sandy,w/shell fragments	CH	34.3										0.05	
6	10-12	0.25		Gray,Clay,Soft,Silty,w/shell	CL												
7	12-14	0.25		Gray,Clay,Soft	CH	41.3										0.14	
8	14-16	0.25		Tan & gray,Clay,Soft,Silty	CH	48.4	78.9	106.8	60	18						C = 250	PSI
9	16-18	2.00		Yellowish gray,Clay,Very stiff	CH	31.8											
10	18-20	2.50		Yellowish gray,Clay,Very stiff,w/calcareous nodules	CH	25.3			62								
11	20-22	3.50		Yellowish gray & reddish brown,Clay,Very stiff, w/calcareous nodules	CH	21.5											
12	22-24	3.00		Reddish brown & gray,Clay,Very stiff,w/calcareous nodules	CH	32.7											
13	24-26	3.00		Reddish brown & gray,Clay,Very stiff,w/calcareous nodules	CH	28.8											
14	26-28	3.50		Yellowish gray,Clay,Very stiff,w/sand parting	CH	23.7											
15	28-30	3.75		Yellowish gray & brown,Clay,Very stiff,Sandy nodules, slickensided	CL	20.1											
16	30-32	1.50		Yellowish brown,Clay,Stiff,Silty,w/calcareous nodules and sand parting	CL	22.4											
17	32-34	1.00		Yellowish brown,Clay,Stiff,Silty,w/calcareous nodules and sand parting	CL	23.9											

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

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-310

[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