

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-295</u> DATE: BEGIN <u>1/6/91</u> PAGE <u>1</u> JOB NO. <u>146-531</u> COMPLETE <u>1/6/91</u> Thin Walled Tube PROJECT <u>C.I.W.W</u> LOCATION <u>Sargent Beach</u> <u>Sta 271+0</u> ELEVATION OF HOLE MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Enlins CFD 2</u> GROUNDWATER: DEPTH <u>0</u> ft., ELEV. <u> </u> ft., at end of Drilling WEATHER <u>cool cloudy</u> DRILLER <u>D. Ceehan</u> LOGGER <u>D. Ceehan</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1	X	W.O.P	Tan clay	V soft	silt	w/sand + shell		
	2	X	W.O.P	Tan clay	V. soft	silt	w/sand + shell		
5	3		0.50	Gray clay	M. stiff	silt			
	4	X	W.O.P	Gray clay	V. soft	silt	w/sand seams		
10	5		1.00	Gray clay	stiff	silt			
	6		1.0	Tan clay	stiff	silt	Gray seams		
	7		1.0	Tan clay	stiff	silt	Gray seams		
15	8		0.50	Tan clay	M. stiff	silt	Gray seams		
	9		0.75	Tan clay	M. stiff	silt	Gray		
20	10		0.25	Gray clay	soft	silt	Into Tan		
	11	X	W.O.P	Tan clay	Very soft	silt	w/sand seams		
	12		0.50	Gray clay	Medium stiff	silt			
25	13		2.0	Gray clay	V. stiff	silt			
							Bottom of 91-295 @ 26'		
							W.O.P: Weight of Pipe		
30									
35									

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-295

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	0.5-2	0.00	W.O.P	Gray & yellowish brown,Clay,Very soft,Sandy,w/ shell fragments	CL	25.6											
2	2.5-4	0.00	W.O.P	Brown,Clay,Very soft,Sandy,w/shell fragments	CL	36.6											
3	4-6	1.00		Gray,Clay,Soft,Stiff,w/silt pockets and ferrous stains	CH	47.4											
4	6.5-8	0.00	W.O.P	Gray,Clay,Very soft,Sandy	CL	37.5			27		100.0	99.9	99.3	92.1	70.0		
5	8-10	0.00		Gray,Clay,Very soft	CH	40.7											
6	10-12	1.00		Brown & gray,Clay,Stiff,w/ferrous stains	CH	33.8			55								
7	12-14	1.00		Brown & gray,Clay,Stiff	CH	33.1											
8	14-16	0.50		Gray,Clay,Medium stiff,w/silt pockets	CH	41.8											
9	16-18	0.25		Gray,Clay,Soft,w/silt seams	CH	39.3											
10	18-20	0.25		Gray,Clay,Soft,w/silt seams	CH	39.6			55							0.10	
11	20.5-22	0.00	W.O.P	Brown,Clay,Very soft	CH	45.5											
12	22-24	0.25		Gray,Clay,Soft	CH	38.1											
13	24-26	1.00		Olive gray,Clay,Stiff,w/calcareous nodules	CH	37.2			77								

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