U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-237 DATE: BEGIN 8-5-91 PAGE 1 of 1
JOB NO. 146494 COMPLETE 8-8-91 Thin Walled Tube
PROJECT G.I. W.W. ☑ 3" ☐ 6"
LOCATION Sargent Beach
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG Failing-36
GROUNDWATER: DEPTH 3 ft., ELEV. ____ ft., at end of Drilling
WEATHER P.C. - Hot
DRILLER R. Tankersley LOGGER J. Beck

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	2.5	Gray	Clay	very stiff		w/roots
		2	1.25	Tan	"	Stiff		
5		3	1.0	Tan	"	Stiff		
		4	1.25	"	"	Stiff		
		5	1.5	"	"	"		
10		6	1.25	"	"	"		
		7	1.25	"	"	"		
15		9	1.5	"	"	"		
		9	1.0	Gray & Tan	"	"	Silt	
		10	1.5	Tan	"	"	"	
20		11	.75	"	"	med stiff	Silt	
		12	1.0	"	"	Stiff	"	
25		13	.5	"	"	med stiff	"	
		14	1.0	Gray	"	Stiff	"	
		15	.5	"	"	med stiff		
30		16	.75	Tan	"	"	"	
		17	.5	Tan	"	"	"	
		18	.75	Gray & Tan	"	"	"	
35								Bottom of 91-237

Project : Gulf Intracostal Waterway near Sargeant Beach, Texas
Contract No. DACW64-91-D-001, Delivery Order No. 0022

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-237

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)	L L (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	3.50		Brown,Clay,Very stiff,w/Roots	CH	23.5											
2	2-4	1.25		Brown,Clay,Stiff	CH	44.4											
3	4-6	1.00		Brown,Clay,Stiff,w/Ferrous stains	CH	46.4	75.4	110.3	80	32	100.0	100.0	100.0		98.9		
4	6-8	1.00		Brown,Clay,Stiff,w/Ferrous stains	CH	45.3											
5	8-10	1.00		Brown,Clay,Stiff,w/Ferrous stains	CH	41.2											
6	10-12	1.50		Brown,Clay,Stiff,w/Ferrous stains	CH	34.3											
7	12-14	0.75		Brown,Clay,Medium ~~stiff~~,w/Ferrous stains	CH	42.5											
8	14-16	1.00		Brown,Clay,Stiff,w/Ferrous stains	CH	48.6											
9	16-18	0.75		Brown,Clay,Medium ~~stiff~~,Silty	CL	29.6	91.4	118.4	42	18	100.0	100.0	100.0		96.1		
10	18-20	1.50		Red & gray,Clay,Stiff,w/Ferrous stains	CH	37.9											
11	20-22	0.75		Brown,Clay,Medium ~~stiff~~,w/Sand pockets	CH	45.8											
12	22-24	0.25		Brown,Clay,Soft,w/Silt & sand layer	CH	27.4											
13	24-26	0.25		Gray,Clay,Soft	CH	40.2											
14	26-28	0.25		Gray & dark gray,Clay,Soft	CH	44.8											
15	28-30	0.25		Gray & brown,Clay,Soft	CH	39.8	77.8	108.7	58	26	100.0	100.0	99.8		90.2		
16	30-32	0.25		Brown & gray,Clay,Soft,w/Organic material	CH	56.9											
17	32-34	0.25		Brown,Clay,Soft,w/Organic material	CH	55.5											

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

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											#4	#10	#40	#100	#200		
18	34-36	0.25		Gray,Clay,Soft	CH	59.0											

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