

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-254</u> DATE: BEGIN <u>8-7-91</u> PAGE <u>1 1 1</u> JOB NO. <u>146494</u> COMPLETE <u>8-7-91</u> Thin Walled Tube PROJECT <u>G. I. W. W.</u> ☒ 3" ☐ 6" LOCATION <u>Sargent Beach</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>7mling 3C</u> GROUNDWATER: DEPTH <u>2'6"</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>P.C. - Hot</u> DRILLER <u>R. Tancred</u> LOGGER <u>J. Berg</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1	.75	Gray	CLAY	med stiff	Sand			
	2	.5	"	"	"	"			
5	3	.75	"	"	"				
	4	.75	GRAY	"	"				
	5	1.0	TAN	"	stiff				
10	6	1.25	GRAY	"	"				
	7	1.25	"	"	"				
15	8	1.5	TAN	"	"				
	9	1.0	"	"	stiff				
	10	1.25	"	"	stiff				
20	11	1.0	GRAY	"	stiff				
	12	3.75	Tan	"	very stiff	w/calc. Nods			
25	13	4.0	"	"	"	w/ " "			
						Bottom - 91-254 26'			

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. 91-254

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	1.00		Dark gray, Clay, Stiff	CH	29.8											
2	2-4	0.50		Gray, Clay, Medium stiff, w/ Sand pockets <i>Soft</i>	CH	29.4										0.35	
3	4-6	0.25		Gray, Clay, Soft	CH	30.7											
4	6-8	0.75		Gray & yellowish brown, Clay, Medium stiff, w/ Ferrous nodules	CH	35.2	84.7	114.4	61	27	100.0	100.0	100.0		100.0		0.41
5	8-10	0.75		Brown, Clay, Medium stiff	CH	46.3											
6	10-12	0.75		Gray, Clay, Medium stiff	CH	31.8											
7	12-14	0.75		Brown & gray, Clay, Medium stiff	CH	46.5											
8	14-16	1.25		Brown & gray, Clay, Stiff, w/ Ferrous stains	CH	38.2											
9	16-18	1.25		Brown, Clay, Stiff, w/ Ferrous stains	CH	39.9	80.7	112.9	76		100.0	100.0	99.6		97.0		
10	18-20	1.00		Brown, Clay, Stiff, w/ Ferrous stains	CH	41.4											
11	20-22	0.75		Gray, Clay, Stiff, w/ Calcareous nodules & Ferrous stains	CH	31.4											
12	22-24	2.75		Brown, Clay, Very stiff, w/ Calcareous nodules	CH	27.1											
13	24-26	3.50		Brown, Clay, Very stiff, w/ Calcareous nodules	CH	24.9											

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