

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-265</u>	DATE: BEGIN <u>8-6-91</u>	PAGE <u>1 1 1</u>
					JOB NO. <u>146494</u>	COMPLETE <u>8-6-91</u>	Thin Walled Tube ☒ 3" ☐ 6"
					PROJECT <u>G.I.F.W.W.</u>		
					LOCATION <u>Seagrass Beach</u>		
					ELEVATION OF HOLE _____		
					MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Pulley</u>		
					GROUNDWATER: DEPTH <u>Surface</u> , ELEV. _____ ft., at end of Drilling		
					WEATHER <u>P.C.-1st</u>		
					DRILLER <u>R. Tankersley</u>	LOGGER <u>J. Reed</u>	
COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
1 1.25 TAN	Clay	Stiff	Sand	w/Roots			
2 2.0 TAN GRAY	"	"	"	w/Roots			
3 1.0 TAN	"	Stiff	Silt				
4 1.25 "	"	"	"				
5 1.5 "	"	Medium Stiff	"				
6 1.5 "	"	"	"				
7 1.5 GRAY	"	"	"				
8 1.0 "	"	Stiff	"				
9 2.0 GRAY TAN	"	Very Stiff	"				
10 2.0 "	"	"	"				
11 2.5 "	"	"	"	w/calc. nod			
12 4.5r "	"	HARD	"	w/calc. Nod			
13 4.5r TAN GRAY	"	"	"				

Bottom of 91-265
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. 91-265

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	0.50		Brown, Clay, Medium stiff w/Sand seams <i>Soft</i>	CH	42.9											
2	2-4	1.00		Gray, Clay, Stiff, w/Shell fragments & roots	CH	29.7	89.9	116.6	52	22	99.2*	98.7*	98.3*		89.4		0.51
3	4-6	1.50		Brown, Clay, Stiff, w/Ferrous nodules	CH	25.2											
4	6-8	1.75		Brown, Clay, Stiff, w/Sand pockets	CH	30.9											
5	8-10	0.25		Brown, Clay, Soft, w/Shell fragments	CH	33.7										0.10	
6	10-12	0.25		Brown, Clay, Soft, w/Shell fragments	CH	45.6	75.4	109.8	60	23	99.6*	98.9*	98.3*		91.2	0.10	0.16
7	12-14	0.25		Brown, Clay, Soft, w/Shell fragments	CH	52.1										0.10	
8	14-16	0.25		Gray, Clay, Soft, w/Shell	CH	48.4											
9	16-18	1.00		Gray, Clay, Stiff	CH	39.2											
10	18-20	1.75		Gray, Clay, Stiff	CH	32.5											
11	20-22	1.50		Gray & yellowish brown, Clay, Very stiff, w/ Ferrous nodules	CH	32.4	89.0	117.9			99.9	99.8	99.5		92.0		
12	22-24	2.50		Gray & yellow, Clay, Very stiff, w/Calcareous nodules	CH	27.5											
13	24-26	3.00		Brown, Clay, Very stiff, Sandy	CL	18.5											

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.

* : Material retained are shell fragments