

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-253</u> DATE: BEGIN <u>8-7-91</u> PAGE <u>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>Fairway 36</u>				GROUNDWATER: DEPTH <u>2'6"</u> ft., ELEV. _____ ft., at end of Drilling				
WEATHER <u>P.C. - Hot</u>				DRILLER <u>R. Tankersley</u> LOGGER <u>F. BERG</u>				
				COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	1.5	TAN GRAY	Clay	Stiff	Silt	
		2	.25	GRAY	"	Soft	"	
5		3	.5	"	"	Medium Stiff	"	
		4	1.0	GRAY TAN	"	Stiff	"	
		5	1.0	"	"	"	"	
10		6	.75	"	"	Medium Stiff	"	
		7	1.25	TAN GRAY	"	Stiff	"	
15		8	1.0	"	"	"		
		9	1.5	"	"	"		
20		10	2.0	GRAY TAN	"	Very Stiff		
		11	2.5	"	"	Very Stiff		w/calc Nod
		12	3.0	TAN	"	"		w/ " "
25		13	3.25	"	"	"		w/ " "
				Bottom of 91-253 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. 91-253

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	1.50		Gray, Clay, Stiff, w/ Sand pockets & roots	CH	33.6											
2	2-4	0.50		Gray & yellowish brown, Clay, Medium stiff , Sandy <i>Soft</i>	CL	28.7	92.1	118.5	38	21	100.0	100.0	99.7		83.6	0.25	
3	4-6	0.25		Gray & yellowish brown, Clay, Soft	CH	35.1											
4	6-8	0.50		Gray & yellowish brown, Clay, Medium stiff <i>Soft</i>	CH	42.3											
5	8-10	0.50		Brown & gray, Clay, Medium stiff , w/ Calcareous nodules <i>Soft</i>	CH	46.1											
6	10-12	0.50		Brown & gray, Clay, Medium stiff , w/ Calcareous nodules <i>Soft</i>	CH	46.5										0.30	
7	12-14	0.50		Brown & gray, Clay, Medium stiff <i>Soft</i>	CH	43.2	75.2	107.7	70	29	100.0	100.0	99.8		97.8		
8	14-16	1.00		Brown & gray, Clay, Stiff	CH	40.8											
9	16-18	1.00		Brown & gray, Clay, Medium stiff	CH	41.1											
10	18-20	1.50		Olive gray, Clay, Stiff, w/ Calcareous nodules	CH	28.5											
11	20-22	1.75		Olive gray, Clay, Stiff, w/ Calcareous nodules	CH	26.8											
12	22-24	3.50		Brown, Clay, Very stiff, w/ Calcareous nodules	CH	22.2	105.4	128.8	55	23							
13	24-26	4.00		Brown, Clay, Very stiff, w/ Calcareous nodules	CH	27.6											

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