

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSIS- TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
BORING NO. <u>91-251</u> DATE; BEGIN <u>8-10-91</u> PAGE <u>1 11</u> JOB NO. <u>1467489</u> COMPLETE <u>8-10-91</u> Thin Walled Tube PROJECT <u>G I WW</u> ☒ 3" ☐ 6" LOCATION <u>SARGENT BEACH</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>7aling-36</u> GROUNDWATER: DEPTH <u>4</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>P.C-Hot</u> DRILLER <u>R-Tankersley</u> LOGGER <u>J. Berg</u>								
0	1	1.0	TAN	CLAY	Stiff	Silt	w/ roots	
	2	.75	"	"	med stiff	"		
-5	3	1.0	GRAY	"	Stiff	"		
	4	.5	"	"	med stiff	"		
	5	1.25	TAN	"	Stiff			
-10	6	1.25	"	"	"			
	7	1.25	TAN	"	"			
-15	8	1.5	"	"	"			
	9	1.5	"	"	"			
-20	10	2.0	"	"	Very stiff			
	11	.75	"	"	med stiff			
	12	.75	"	"	"			
-25	13	.5	GRAY	"	"	Sand		
	14	.25	"	"	SOFT	"		
-30	15	3.0	GRAY TAN	"	Very stiff			

B. H. M. 06 91-251
30'

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. 91-251

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	1.75		Brown, Clay, Stiff, w/Roots	CH	31.6											
2	2-4	0.75		Brown, Clay, Medium stiff, w/Sand pockets & seams	CH	41.3											
3	4-6	1.00		Gray, Clay, Medium stiff, w/Sand pockets	CH	27.0											
4	6-8	0.75		Gray, Clay, Medium stiff, Silty, w/Sand pockets	CL	28.5	94.6	121.6	31	20	100.0	99.6	99.4		94.4	0.35	
5	8-10	0.75		Brown, Clay, Medium stiff, w/Calcareous nodules	CH	48.2											
6	10-12	1.00		Brown, Clay, Stiff	CH	46.2											
7	12-14	1.00		Brown & gray, Clay, Stiff, w/Silt pockets	CH	31.9	86.8	114.5	77								
8	14-16	1.00		Brown, Clay, Stiff, w/Ferrous stains & mica	CH	38.4											
9	16-18	1.00		Brown, Clay, Stiff, w/Ferrous stains & blocky structure	CH	37.4											
10	18-20	1.00		Brown, Clay, Stiff, w/Ferrous stains & blocky structure	CH	28.5											
11	20-22	1.00		Brown, Clay, Stiff, w/Ferrous stains & blocky structure	CH	50.4	70.6	106.2	82	32						0.40	
12	22-24	1.00		Brown, Clay, Stiff, w/Ferrous stains & blocky structure	CH	49.7										0.40	
13	24-26	0.25		Gray, Clay, Soft, Sandy	CL	30.3										0.10	
14	26-28	0.25		Gray, Clay, Soft, Sandy	CL	26.5										0.10	
15	28-30	1.50		Gray & yellowish brown, Clay, Stiff, w/Blocky structure & slickensided	CH	42.8											

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