

U.S. ARMY CORPS OF ENGINEERS

BORING NO. <u>91-249</u>		DATE: BEGIN <u>8-10-91</u>		PAGE <u>1</u> / <u>1</u>	
JOB NO. <u>646494</u>		COMPLETE <u>9-10-91</u>		Thin Walled Tube	
PROJECT <u>GI WW</u>		☒ 3" ☐ 6"			
LOCATION <u>SARGENT Beach</u>					
ELEVATION OF HOLE _____					
MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Failing-36</u>					
GROUNDWATER: DEPTH <u>3</u> ft., ELEV. _____ ft., at end of Drilling					
WEATHER <u>P.C. - Hot</u>					
DRILLER <u>R. Tankersley</u> LOGGER <u>J. Bix</u>					

DEPTH, FEET	SAMPLE NO.	PEN./TORQUE	SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0								
1	1	3.25		Gray	clay	very stiff		w/roots
2	2	1.25		Gray	"	Stiff	Sand	
3	3	1.0		"	"	"	"	
4	4	1.25		Tan Gray	"	"	"	
5	5	1.25		Gray	"	"	"	
6	6	1.5		"	"	"	Silt	
7	7	.75						
8	8	4 9/12		TAN	Sand	Med Dense		SA. AT 14'
9	9	5 1/5		TAN	Sand	Loose		
10	10	1 1/3		TAN	Sand	Loose		
11	11	5 1/2		TAN	Sand	Loose		
Bottom of 91-249 36'								

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. 91-249

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	2.75		Brown & gray, Clay, Very stiff, Silty, w/Roots	CL	29.3											
2	2-4	1.00		Gray & yellowish brown, Clay, Stiff, Silty, w/Roots	CL	29.9	92.4	119.9	40		100.0	99.9	99.7		91.8		
3	4-6	0.75		Dark gray, Clay, Medium stiff, Silty	CL	30.9											
4	6-8	0.75		Brown & gray, Clay, Medium stiff, w/Mica	CH	47.3											
5	8-10	0.75		Brown & gray, Clay, Medium stiff, w/Ferrous nodules	CH	52.8	69.8	106.6	87		100.0	100.0	99.8		98.7		
6	10-12	0.75		Gray, Clay, Medium stiff, Sandy, w/Sand pockets	CL	25.3											
7	12-14	1.00		Gray & brown, Clay, Stiff, Sandy, w/Sand pockets	CL	23.0											
8	14.5-16		20	Tan, Silt, Medium dense, Sandy	ML						100.0	100.0	100.0		62.9		
9	18.5-20		9	Tan, Silt, Loose, Sandy	ML												
10	23.5-25		5	Tan, Silt, Loose, Sandy	ML												
11	28.5-30		4	Tan, Silt, Loose, Sandy	ML						100.0	100.0	100.0		62.5		

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