

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-247</u>	DATE: BEGIN <u>8-10-91</u>	PAGE <u>1 1 1</u>
					JOB NO. <u>146494</u>	COMPLETE <u>8-10-91</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>Jarling 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. Perez</u>	
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS	
0	1	1.5	Tan	CLAY	St. b/s		w/roots
	2	1.5	Gray	"	"		
5	3	1.0	Gray + Tan	"	"		
	4	2.0	Tan	"	"		
	5	1.0	"	"	"	Silt	
10	6	2.75	"	"	Very stiff		
	7	2.0	"	"	"		
15	8	1.0	"	"	stiff		
	9	1.75	"	"	"		
	10	1.25	"	"	"		
20	11	1.75	"	"	"		
	12	1.5	"	"	"		
25	13	1.5	"	"	"		
	14	1.75	"	"	med stiff	Silt	
	15	1.5	"	"	"	Silt	
30							

Bottom of 91-247
20'

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. 91-247

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	26.6											
2	2-4	1.75		Gray, Clay, Stiff	CH	32.0											
3	4-6	0.50		Brown, Clay, Medium stiff, w/Sand pocket <i>Soft</i>	CH	31.1	90.2	118.2	53		100.0	99.9	99.2		86.3		
4	6-8	1.00		Brown, Clay, Stiff, w/Calcareous nodules & ferrous stains	CH	26.3											
5	8-10	1.25		Brown, Clay, Stiff, w/Calcareous nodules & ferrous stains	CH	28.9											
6	10-12	2.00		Brown, Clay, Very stiff, w/Calcareous nodules	CH	29.6											
7	12-14	1.50		Brown, Clay, Stiff	CH	36.5											
8	14-16	1.25		Brown & gray, Clay, Stiff	CH	38.2	81.3	112.4	71								
9	16-18	1.25		Brown, Clay, Stiff, w/Ferrous stains	CH	40.3											
10	18-20	1.00		Brown, Clay, Stiff, w/Ferrous stains	CH	44.5											
11	20-22	1.25		Brown, Clay, Stiff, w/Ferrous stains	CH	44.5											
12	22-24	1.25		Brown, Clay, Stiff, Blocky structure, Slickensided	CH	41.3											
13	24-26	1.25		Brown & gray, Clay, Stiff	CH	42.8	78.1	111.5	77								
14	26-28	0.25		Brown, Clay, Soft	CH	61.9											
15	28-30	0.25		Brown, Clay, Soft	CH	50.7											

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