

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-255</u>	DATE: BEGIN <u>8-7-91</u>	PAGE <u>1 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>Sargeant Beach</u>				
					ELEVATION OF HOLE _____				
					MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Falling 36</u>				
					GROUNDWATER: DEPTH <u>2</u> ft., ELEV. _____ ft., at end of Drilling				
					WEATHER <u>P.C. - H. +</u>				
					DRILLER <u>R. Tankersley</u>	LOGGER <u>J. Berg</u>			
					COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	3.25		Tan	clay	very soft	Sand	w/ roots
		2	0.5		Gray	"	Medium stiff		w/ roots
5		3	1.25		"	"	stiff		
		4	1.25		Tan Gray	"	stiff	Silt	
		5	1.5		TAN	"	"		
10		6	1.0		"	"	stiff		
		7	1.0		"	"	"		
15		8	2.25		"	"	very stiff		
		9	1.25		"	"	stiff		
		10	1.5		GRAY TAN	"	stiff		
20		11	1.5		"	"	"		
		12	2.5		"	"	very stiff		
25		13	3.0		"	"	"		
									Bottom of 91-255 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. 91-255

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	3.50		Brown,Clay,Very stiff,w/Sand pockets & strong odor	CH	20.4											
2	2-4	0.75		Brown,Clay,Medium stiff,w/Roots	CH	43.5										0.35	
3	4-6	0.75		Gray & brown,Clay,Medium stiff,Silty,w/Roots & sand pockets	CL	26.5	97.1	122.8	39		100.0	100.0	100.0		93.8		
4	6-8	1.25		Brown & gray,Clay,Stiff,w/Ferrous stains	CH	31.2											
5	8-10	1.00		Brown & gray,Clay,Stiff,w/Ferrous stains	CH	39.8											
6	10-12	1.00		Brown & gray,Clay,Stiff,w/Ferrous stains	CH	34.7											
7	12-14	1.25		Brown & gray,Clay,Stiff,w/Ferrous stains	CH	34.2	84.4	113.3	81	31	100.0	100.0	100.0		95.8		0.41
8	14-16	1.50		Brown & gray,Clay,Stiff,w/Ferrous stains	CH	37.4											
9	16-18	1.25		Brown & gray,Clay,Stiff,w/Ferrous stains	CH	35.3											
10	18-20	1.25		Dark gray,Clay,Stiff	CH	33.6											
11	20-22	1.25		Gray & yellowish brown,Clay,Stiff,w/Ferrous stains	CH	38.6	81.9	113.4	69		100.0	99.9	99.5		95.1		
12	22-24	2.25		Olive gray,Clay,Very stiff,w/Calcareous nodules	CH	33.6											
13	24-26	2.25		Olive gray,Clay,Very stiff,w/Calcareous nodules	CH	34.8											

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