

U.S. ARMY CORPS OF ENGINEERS

E1 + 57

BORING NO. 91-256 DATE: BEGIN 8-12-91 PAGE 1 1 1
 JOB NO. 146498 COMPLETE 8-12-91 Thin Walled Tube ☒ 3" ☐ 6"
 PROJECT GT WWS
 LOCATION SARGENT Beach
 ELEVATION OF HOLE _____
 MANUFACTURER'S DESIGNATION OF DRILL RIG Buggy Rig
 GROUNDWATER: DEPTH _____ ft., ELEV. _____ ft., at end of Drilling
 WEATHER R.C. 100 F
 DRILLER R. TANK SLEW LOGGER A. Beck

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CON- TEM	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1 2.5		TAN	Clay	ve st	Sand	w/roots
	2 1.25		GRAY	"	st		
5	3 5		"	"	Med st	Silt	
	4 .75		GRAY	Clay	ne b	"	
	5 .75		GRAY	"			
10	6 1.25		TAN	"	S		
	7 1.5		"	"			
15	8 1.0		GRAY	"			
	9 2.0		Tan Gray	"	ve st	Silt	
20	10 1.0		GRAY	"	S	Silt	
	11 .5		GRAY	"	"	Silt	
Top	X 12 2/3		Tan	Sand			Sn. at 22'
Top	X 13 2/3 1/4		"	"			Bottom of 91-256 26'

Approx
BWH

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. 91-256

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	3.25		Brown,Clay,Very stiff,w/Silt pockets & roots	CH	27.6											
2	2-4	0.75		Dark gray,Clay,Medium stiff	CH	34.5											
3	4-6	0.75		Dark gray,Clay,Medium stiff,Silty	CL	28.0										0.35	
4	6-8	0.75		Gray & yellowish brown,Clay,Medium stiff,Silty, w/Ferrous stains	CL	29.3	90.9	117.6	42	20	100.0	99.5	99.2		95.1	0.25	0.35
5	8-10	0.75		Brown & gray,Clay,Medium stiff,w/Ferrous stains	CH	39.0										0.35	
6	10-12	1.00		Dark gray,Clay,Stiff	CH	35.2											
7	12-14	1.50		Brown,Clay,Stiff,w/Ferrous stains	CH	31.4											
8	14-16	1.50		Gray,Clay,Stiff,Silty,w/ Ferrous nodules	CL	29.8	92.4	119.9	48		100.0	99.9	99.2		91.1		
9	16-18	1.50		Dark gray,Clay,Stiff,Silty	CL	29.6											
10	18-20	0.25		Dark gray,Clay,Soft	CH	37.0											
11	20-22	0.25		Gray & Dark gray,Clay,Soft	CH	41.8										0.20	
12	22.5-24		5	Tan,Silt,Loose,Sandy	ML						100.0	99.9	99.7		64.3		
13	24.5-26		7	Tan,Silt,Loose,Sandy	ML												

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