

U.S. ARMY CORPS OF ENGINEERS



BORING NO. 91-241 DATE: BEGIN 9-9-91 PAGE 1 1 2
 JOB NO. 146494 COMPLETE 8-9-91 Thin Walled Tube
 PROJECT G. I. W.W. ☒ 3" ☐ 6"
 LOCATION Sargent Beach
 ELEVATION OF HOLE _____
 MANUFACTURER'S DESIGNATION OF DRILL RIG Failing-36
 GROUNDWATER: DEPTH 3 ft., ELEV. 5.9 ft., at end of Drilling
 WEATHER P.C. - Hot
 DRILLER R. J. Kersley LOGGER J. Bear

DEPTH FEET	SAMPLE NO.	SAMPLE DEPTH FEET	TOWANE COUNT	COLOR	MATERIAL TYPE	CONSIS- TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1	2.25		Tan	Clay	Very Soft		w/roots
	2	2.5		Tan				
5	3	1.5		"		Stiff		
	4	1.5		"		Stiff	Silt	
	5	0.5		"				
10	6	W.O.H.		Tan	Silt	Very Loose	Clay	W.O.H: weight of Hammer
10	7	W.O.H.		"	"	"	"	
15	8	W.O.H.		"	"	"	"	
15	9	1 1/2		Sand	Tan	Very Loose		5' at 16 1/2'
20								
25	10	1 1/2		Tan	Sand	Dense		
25								
30	11	0.5		Tan	Clay	Med. Stiff		Cl at 25'
	12	0.5		"	"	"		
	13	1.05		Gray	"	Stiff		
35	14	1.05		Gray Tan	"	"		

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DEPTH, FEET	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-241</u> DATE: BEGIN <u>8-7-91</u> PAGE <u>2 1 2</u>				
				JOB NO. <u>146494</u> COMPLETE <u>8-9-91</u> Thin Walled Tube ☒ 3" ☐ 6"				
				PROJECT <u>GZWW</u>				
				LOCATION <u>Sargeat Beach</u>				
				ELEVATION OF HOLE _____				
				MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Falling-36</u>				
				GROUNDWATER: DEPTH <u>3</u> ft., ELEV. _____ ft., at end of Drilling				
				WEATHER <u>P.C. - H₂O</u>				
				DRILLER <u>R. J. W. Keesley</u> LOGGER <u>J. R. K. G.</u>				
				COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
-35				GRAY	Clay	mod. stiff	Silt	w/ si. sand.
	15	.5		"	"	"	"	w/ " "
40	16	.75						Bottom - 91-241 40'

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. 91-241

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	3.00		Dark brown, Clay, Very stiff, w/Roots	CH	22.6											
2	2-4	2.00		Gray, Clay, Very stiff, w/Roots	CH	33.3											
3	4-6	1.75		Brown & gray, Clay, Stiff, w/Roots & calcareous nodules	CH	30.6	91.8	119.9	55	23	100.0	99.9	98.9		97.0		
4	6-8	0.25		Gray, Clay, Soft, Silty, Water bearing	CL	36.7										0.08	
5	8-10	0.25		Gray, Clay, Soft, Silty, Water bearing	CL	37.1										0.08	
6	10.5-12		W.O.H.	Tan, Silt, Very loose, Clayey, w/Sand	M L	34.3			NP	NP	100.0	100.0	99.9		86.4		
7	12.5-14		W.O.H.	Tan, Silt, Very loose, Clayey, w/Sand	M L	33.0											
8	14.5-16		W.O.H.	Tan, Silt, Very loose, Clayey, w/Sand	M L	34.3			NP	NP	100.0	100.0	100.0		88.0		
9	16.5-18		2	Tan, Sand, Very loose, Silty	S M						100.0	100.0	100.0		27.7		
10	23.5-25		43	Tan, Sand, Dense, Silty	S M												
11	28-30	0.50		Gray, Clay, Medium stiff <i>Soft</i>	CH	46.3										0.35	
12	30-32	0.25		Brown, Clay, Soft	CH	57.9	66.1	104.3	61	31	100.0	100.0	100.0		100.0	0.10	0.26
13	32-34	0.25		Gray, Clay, Soft, w/Shell fragments	CH	55.4											
14	34-36	0.50		Gray, Clay, Medium stiff, w/Organic material <i>Soft</i>	CH	86.9											
15	36-38	0.25		Gray & brown, Clay, Soft, w/Silt seams	CH	41.3											
16	38-40	0.25		Gray, Clay, Soft, Silty	CL	31.0	113.1	86.3	49	17	100.0	100.0	99.9		91.8		0.15

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