U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-238 DATE: BEGIN 8-8-91 PAGE 1 / 1
JOB NO. 146494 COMPLETE 8-8-91 Thin Walled Tube
PROJECT GIWW ☑ 3" ☐ 6"
LOCATION Sargent Beach
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG Failing-36
GROUNDWATER: DEPTH 3 ft., ELEV. ____ ft., at end of Drilling
WEATHER P.C. - Hot
DRILLER R. Tankersley LOGGER J. [illegible]

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE / SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	4.5+	TAN	clay	Hard		w/Shell Frag.
		2	1.25	"	"	Stiff		
5		3	1.75	Gray	"	"	Silt	
		4	2.25	"	"	Very Stiff		
		5	1.25	TAN	"	Stiff		
10		6	1.5	"	"	"		
		7	1.25	"	"	"		
15		8	1.5	"	"	"		
		9	1.75	"	"	"		
		10	1.0	"	"	"		
20		11	1.25	"	"	"		
		12	.5	"	"	med Stiff	Silt	
25		13	.25	"	"	Soft	"	
		14	.5	"	"	Medium Stiff	"	
		15	1.0	GRAY	"	Stiff	"	
30		16	.5	"	"	Med Stiff	"	
		17	.5	"	"	"	"	
35		18	1.5	"	"	Stiff	"	

Bottom of 91-238

GEOTEST ENGINEERING, INC.

Project: Gulf Intracostal Waterway near Sargeant Beach, Texas
Contract No. DACW64-91-D-001, Delivery Order No. 0022

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-238

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)	L L (%)	P L (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0-2	4.5+		Red,Clay,Hard,w/Roots & shell fragments	CH	21.0											
2	2-4	1.00		Red,Clay,Stiff	CH	33.6											
3	4-6	1.00		Red,Clay,Stiff,w/Shell fragments & roots	CH	34.7	87.0	117.2	61	26	98.9*	98.1*	96.4*		89.3		
4	6-8	1.75		Dark gray,Clay,Stiff,w/Calcareous nodules	CH	34.8											
5	8-10	1.00		Gray,Clay,Stiff,w/Sand pockets & roots	CH	26.4											
6	10-12	0.75		Gray,Clay,Medium ~~stiff~~	CH	46.2											
7	12-14	0.75		Brown,Clay,Medium ~~stiff~~,w/Ferrous stains	CH	44.2											
8	14-16	1.50		Dark brown,Clay,Stiff	CH	45.3											
9	16-18	1.50		Brown,Clay,Stiff,w/Calcareous nodules	CH	37.1	84.5	115.8	77								
10	18-20	1.00		Brown,Clay,Stiff	CH	43.7											
11	20-22	0.50		Brown & gray,Clay,~~Medium stiff~~ Soft	CH	38.9										0.20	
12	22-24	0.50		Brown,Clay,~~Medium stiff~~ Soft	CH	33.7										0.20	
13	24-26	0.50		Brown,Clay,~~Medium stiff~~ Soft	CH	34.6										0.20	
14	26-28	0.75		Brown,Clay,Medium ~~stiff~~	CH	41.5	80.0	113.2	76							0.20	
15	28-30	0.50		Brown,Clay,Medium ~~stiff~~ Soft	CH	46.1											
16	30-32	0.50		Gray,Clay,~~Medium stiff~~ Soft	CH	59.7											
17	32-34	0.50		Gray,Clay,~~Medium stiff~~ Soft	CH	58.0											

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
* : Material retained are shell fragments

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18	34-36	0.50		Gray & dark gray,Clay,~~Medium stiff~~,w/Organic material	CH	69.2											

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