

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
BORING NO. <u>92-110</u> DATE: BEGIN <u>7-26-92</u> PAGE <u>111</u> JOB NO. <u>146548</u> COMPLETE <u>7-25-92</u> Thin Walled Tube PROJECT <u>DISPOSAL AREA #5</u> ☒ 5" ☐ 6" LOCATION <u>BROWNSVILLE SHIP CHANNEL</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>C-1000 Marsh Buggy</u> GROUNDWATER: DEPTH <u>3.00</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>PARTLY CLOUDY</u> DRILLER <u>SCOTT GREGUREK</u> LOGGER <u>JOHN A. GENTRY</u>									
0	1	4.5	GRAY	CLAY	HARD	SANDY		* BROWN 0'-8'	
	2	3.0	"	"	VERY STIFF	"			
	3	0.5	"	"	MEDIUM STIFF	"			
	4	0.25	"	"	SOFT	"			
	5	1.0	BROWN	CLAY	STIFF			* GRAY	
	6	0.5	GRAY	CLAY	MEDIUM STIFF	SANDY			
	7	0.75	"	"	"	"		- w/ SO LAYERS 12'-16'	
	8	0.75	"	"	"	"			
	9	0.5	"	"	"	"		* BROWN 16'-18'	
	10	0.25	"	"	"	"		- w/ SO CLAY LAYERS 16'-19'	
	11	1.0	GRAY	CLAY	STIFF				
	12	0.75	GRAY	CLAY	MEDIUM STIFF				
	13	1.25	GRAY	"	STIFF				
	14	1.5	"	"	"				
	15	2.75	"	"	VERY STIFF				
	16								
	17								
	18								
	19								
	20								
	21								
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Project : Disposal area site adjacent to the Brownsville Ship channel for the
Brazos Island Harbor project near Brownsville, Texas
Contract No. DACW64-92-D-0001 Delivery order No. 0025

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 92-110

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	4.5+		Gray,Clay,Hard,Sandy,w/sand seams	CL	14.0											
2	2-4	0.75		Gray&brown,Clay,Medium stiff,Sandy,w/sand seams&mica	CL	32.6	89.4	118.6	47	21	*95.4	*94.2	93.0	86.5	76.7		
3	4-6	2.25		Gray&brown,Clay,Very stiff,Sandy,w/sand seams	CL	24.6											
4	6-8	1.25		Olive gray,Clay,Stiff,Sandy,w/sand seams&mica	CL	21.4										0.60	
5	8-10	1.50		Brown&gray,Clay,Stiff,Sandy,w/sand seams&mica	CL	27.3										0.75	
6	10-12	0.75		Olive gray&brown,Clay,Medium stiff,Sandy,w/sand seams&calcareous nodules	CL	28.3											
7	12-14	0.75		Gray&brown,Clay,Medium stiff,Sandy,w/sand seams&mica	CL	26.2	95.3	120.3	45	20							
8	14-16	0.75		Brown,Clay,Medium stiff,w/sand seams&mica	CH	36.6											
9	16-18	0.75		Brown,Clay,Medium stiff,w/sand seams&mica	CH	34.5											
10	18-20	0.25		Gray,Clay,Soft	CH	48.2											
11	20-22	0.50		Gray,Clay,Medium stiff	CH	42.9											
12	22-24	0.75		Gray,Clay,Medium stiff	CH	42.6											
13	24-26	1.00		Gray,Clay,Stiff,w/mica	CH	39.5											
14	26-28	1.25		Gray,Clay,Stiff	CH	36.1											
15	28-30	1.50		Gray,Clay,Stiff	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

*: Material Retained are mica

Geotest Engineering, Inc.