

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE		PEN./TORVANE		SPT.-BLOW COUNT		BORING NO. <u>92-113</u> DATE: BEGIN <u>7-27-92</u> PAGE <u>111</u> JOB NO. <u>146548</u> COMPLETE <u>7-27-92</u> Thin Walled Tube PROJECT <u>DISPOSAL AREA #5</u> ☒ 3" ☐ 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>6.00</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>PARTLY CLOUDY & WINDY</u> DRILLER <u>SCOTT GREGUREK</u> LOGGER <u>JOHN A. GENTRY</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS						
0	1.45	GRAY	CLAY	HARD	SANDY	* BROWN - w/ sg layers 0'-6'						
	2.5	"	"	VERY STIFF	"							
5	3.10	"	"	STIFF	"							
	4.20	BROWN	CLAY	VERY STIFF		* GRAY 6'-10' - w/ sg layer 6'-10'						
	5.25	"	"	"								
10	6.15	BROWN	CLAY	STIFF		- w/ sg clay pcts 10'-16'						
	7.75	"	"	"								
15	8.75	"	"	VERY STIFF								
	9.05	GRAY	CLAY	MEDIUM STIFF								
	10.75	"	"	"								
20	11.05	"	"	"								
	12.05	"	"	"								
25	13.25	BROWN	CLAY	STIFF		* GRAY Below 25'						
	14.25	"	"	"								
	15.20	"	"	VERY STIFF								
30												
35												

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. 92-113

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 & soft calcareous nodules	CL	15.5											
2	2-4	1.25		Brown & gray, Clay, Stiff, Sandy, w/sand seams & gravel	CL	24.9	97.8	122.1	42	21	100.0	99.8	99.8	78.7	62.3		
3	4-6	0.75		Brown & gray, Clay, Medium stiff, Sandy, w/sand seams & gravel	CL	21.0											
4	6-8	2.75		Olive gray, Clay, Very stiff, Sandy, w/sand seams	CL	18.1											
5	8-10	0.50		Brown, Clay, Medium stiff, w/sand seams	CH	34.2											
6	10-12	0.25		Brown, Clay, Soft, w/sand seams	CH	31.1											
7	12-14	0.50		Brown & gray, Clay, Medium stiff, Sandy, w/sand seams	CL	25.3	97.4	122.0	36								
8	14-16	0.50		Brown & gray, Clay, Medium stiff, w/sand seams	CH	30.4											
9	16-18	0.75		Dark brown, Clay, Medium stiff	CH	39.8											
10	18-20	1.00		Olive gray, Clay, Stiff	CH	43.0	77.8	111.3	50								
11	20-22	0.75		Olive gray, Clay, Medium stiff	CH	40.9											
12	22-24	0.50		Olive gray, Clay, Medium stiff	CH	46.3											
13	24-26	1.50		Brown, Clay, Stiff	CH	40.7											
14	26-28	1.75		Brown, Clay, Stiff	CH	35.4											
15	28-30	2.00		Brown, Clay, Very stiff	CH	31.9											

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

Geotest Engineering, Inc.