

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>92-102</u> DATE: BEGIN <u>7-24-92</u> PAGE <u>111</u> JOB NO. <u>146548</u> COMPLETE <u>7-24-92</u> Thin Walled Tube PROJECT <u>DISPOSAL AREA #5</u> ☒ 4" ☐ 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>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1	4.5	GRAY	CLAY	HARD		BROWN + WHITE 0' - 4'		
	2	3.0	GRAY	CLAY	VERY STIFF				
5	3	1.0	BROWN	CLAY	STIFF		* + GRAY 4' - 18'		
	4	1.0	"	"	"				
	5	1.25	"	"	"				
10	6	1.25	"	"	"		- w/ SA LAYER 10' - 12'		
	7	3.25	"	"	VERY STIFF				
15	8	0.75	"	"	MEDIUM STIFF				
	9	0.5	"	"	"				
20	10	0.5	GRAY	"	"				
	11	0.5	"	"	"				
	12	0.5	"	"	"				
25	13	3.0	BROWN	CLAY	VERY STIFF		* + GRAY 24' - 30'		
	14	1.75	"	"	STIFF				
	15	2.0	"	"	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. 92-102

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+		Olive gray&brown,Clay,Hard,Sandy,w/calcareous nodules&sand seams	CL	13.1											
2	2-4	4.5+		Olive gray&brown,Clay,Hard,Sandy,w/calcareous nodules&sand seams	CL	18.4	109.1	129.2	41	19							
3	4-6	1.25		Brown,Clay,Stiff,w/sand pockets	CH	35.5											
4	6-8	1.50		Brown,Clay,Stiff,w/sand pockets	CH	36.5											
5	8-10	1.50		Brown,Clay,Stiff,w/sand seams	CH	36.9	81.7	111.9	65	26							
6	10-12	1.75		Brown&gray,Clay,Stiff,w/calcareous nodules	CH	30.5											
7	12-14	1.25		Yellowish brown,Clay,Stiff	CH	30.7											
8	14-16	0.75		Yellowish brown,Clay,Medium stiff,w/sand pockets&sand seams	CH	30.4											
9	16-18	0.50		Brown&gray,Clay,Medium stiff,w/sand seams	CH	30.4											
10	18-20	0.50		Olive gray,Clay,Medium stiff,w/sand seams	CH	39.8			57								
11	20-22	0.75		Olive gray,Clay,Medium stiff,w/sand seams	CH	36.2											
12	22-24	1.25		Gray,Clay,Stiff	CH	32.6											
13	24-26	1.50		Gray,Clay,Stiff	CH	30.3											
14	26-28	2.00		Brown,Clay,Very stiff	CH	31.6			73	27							
15	28-30	1.75		Gray,Clay,Stiff	CH	32.9											

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.