

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>92-99</u> DATE: BEGIN <u>7-23-92</u> PAGE <u>111</u> JOB NO. <u>146548</u> COMPLETE <u>7-23-92</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</u> GROUNDWATER: DEPTH <u>200</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		LIGHT GRAY	CLAY	HARD		*BROWN - w/ Sa SM(s) 0'-2'
		2	2.5		LIGHT GRAY	CLAY	VERY STIFF	SANDY	- w/ Sa LAYERS 2'-4'
5		3	2.5		"	"	VERY STIFF		- w/ GV 4'-6'
		4	2.5		"	"	"		*BROWN & YELLOW 6'-8'
		5	0.75		"	"	MEDIUM STIFF		- w/ Sa LAYERS 6'-12'
10		6	2.5		"	"	VERY STIFF		*BROWN 8'-12'
		7	3.2		LIGHT GRAY	SAND	LOOSE	SILTY	*BROWN 12'-14'
15		8	1.2		LIGHT GRAY	CLAY	SOFT		*FINE
		9	0.75		"	"	MEDIUM STIFF		- w/ Sa SM(s) 17'-19'
20		10	0.75		"	"	"		
		11	1.5		"	"	STIFF		*BROWN 23'-31'
25		12	1.5		"	"	"		
		13	1.5		"	"	"		- w/ SANDY CLAY SM(s) 29'-31'
30		14	1.25		"	"	"		*GREEN BELOW 30'
35									

JAR

JAR

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. 92-99

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+		Brown&gray,Clay,Hard,Sandy,w/soft calcareous nodules&sand seams	CL	19.7											
2	2-4	2.75		Brown&gray,Clay,Very stiff,Sandy,w/soft calcareous nodules&sand seams	CL	18.4											
3	4-6	1.00		Brown,Clay,Stiff,w/sand seams	CH	32.6	86.9	115.2	59	23	100.0	99.9	99.8	95.7	93.9		
4	6-8	2.25		Yellowish gray,Clay,Very stiff,Sandy,w/sand pockets	CL	18.6											
5	8-10	1.50		Gray&brown,Clay,Stiff,Sandy,w/sand pockets	CL	19.9											
6	10-12	1.00		Gray&brown,Clay,Stiff,Sandy,w/soft calcareous nodules&sand pockets	CL	24.8											
7	12.5-14		4	Brown&gray,Sand,Loose,Silty	S M						100.0	100.0	100.0	63.1	24.4		
8	17.5-19	0.25	3	Gray,Clay,Soft	CH	43.5											
9	19-21	1.00		Gray,Clay,Stiff	CH	43.8											
10	21-23	1.00		Gray,Clay,Stiff	CH	36.0			55								
11	23-25	1.00		Gray&brown,Clay,Stiff	CH	27.7											
12	25-27	1.00		Gray&brown,Clay,Stiff,w/organic material	CH	32.2											
13	27-29	1.25		Brown,Clay,Stiff,w/mica&organic material	CH	37.4											
14	29-31	2.00		Brown,Clay,Very stiff	CH	37.4											

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.