

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>92-100</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> ☒ 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>1.00</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	1.75	GRAY	CLAY	STIFF	SANDY	* BROWN - w/ Sa SM(S) 0'-2'		
	2	2.5	GRAY	CLAY	VERY STIFF	"	* BROWN w/ Sa LAYERS 2'		
5	3	0.75	GRAY	CLAY	MEDIUM STIFF		* BROWN - w/ Sa LAYERS 4'-10'		
	4	2.0	"	"	STIFF				
	5	1.0	"	"	"		- w/ Ca EC 8'-10'		
10	6	2.5	GRAY	CLAY	VERY STIFF	SANDY	* BROWN - w/ Sa SM(S) 10'-		
	7	2.0	"	"	"	"			
15	8	3.3	"	"	MEDIUM STIFF	"	PUSH TUBE W/ R - w/ Sa LAYER 14 1/2 - 15'		
	9	0.75	GRAY	CLAY	MEDIUM STIFF		* BROWN - w/ SANDY CLAY & SAND LAYERS 16'-20'		
20	10	0.75	"	"	"				
	11	0.75	GRAY	CLAY	MEDIUM STIFF		* GREENISH BLUE 20'-22'		
	12	0.75	"	"	"		* BROWN 22'-30'		
25	13	0.75	"	"	"				
	14	1.25	"	"	STIFF				
	15	1.75	"	"	"				
30									
35									

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. 92-100

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	2.25		Brown&gray,Clay,Very stiff,Sandy,w/sand pockets&sand seams	CL	21.8											
2	2-4	2.75		Gray&brown,Clay,Very stiff,Sandy,w/sand pockets&sand seams	CL	17.7	105.8	124.5	39	17	100.0	99.8	99.0	82.4	63.6		
3	4-6	1.50		Gray&brown,Clay,Stiff,Sandy,w/sand pockets&sand seams	CL	22.3											
4	6-8	1.25		Brown,Clay,Stiff,w/sand pockets	CH	32.3	85.8	113.5	59	24							
5	8-10	1.50		Brown&gray,Clay,Stiff,Sandy,w/sand seams	CL	21.3											
6	10-12	1.00		Brown,Clay,Stiff,w/sand pockets	CH	33.8											
7	12-14	1.50		Olive gray,Clay,Stiff,Sandy,w/sand seams&clay pockets	CL	24.8	99.8	124.6	34	16	99.7	99.4	99.3	91.3	86.3		
8	14.5-16	0.75	6	Brown,Clay,Medium stiff	CH	32.3											
9	16-18	1.25		Brown&gray,Clay,Stiff,w/sand seams	CH	27.5											
10	18-20	1.75		Brown&gray,Clay,Stiff,w/sand seams	CH	28.4											
11	20-22	1.50		Gray,Clay,Stiff	CH	41.6											
12	22-24	1.25		Brown,Clay,Stiff,Silty,w/ferrous stains	CL	32.1			45								
13	24-26	1.50		Brown,Clay,Stiff,Silty,w/ferrous stains	CL	29.5											
14	26-28	1.50		Brown,Clay,Stiff,w/ferrous stains	CH	35.4											
15	28-30	2.00		Brown,Clay,Very stiff,w/mica	CH	32.2											

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.