

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>92-112</u> DATE: BEGIN <u>7-28-92</u> PAGE <u>111</u> JOB NO. <u>146548</u> COMPLETE <u>72892</u> Thin Walled Tube ☒ 3" ☐ 6" PROJECT <u>DISPOSAL AREA #5</u> 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 & WINDY</u> DRILLER <u>SCOTT GREGUREK</u> LOGGER <u>JOHN A. GENTRY</u>									
0	1	1.25	BROWN	CLAY	STIFF			+ GRAY 0'-12' -w/sa LAYERS 2'-12'	
	2	1.5	"	"	"				
	3	1.25	"	"	"				
	4	1.0	"	"	"				
	5	1.0	"	"	"				
	6	1.0	"	"	"				
	7	4.5	LIGHT GRAY	"	HARD			+ BROWN 12'-14' -w/sa LAYERS 12'-16'	
	8	1.25	GRAY	"	VERY STIFF				
	9	2.5	GRAY	"	"			-w/sa LAY 17 1/2'-18'	
	10	2.8	GRAY	SAND	MEDIUM DENSE	SILTY		* FINE -w/ CLAY LAYER 19 1/2'-20'	
	11	2.47	GRAY	"	"	"		"	
	12	0.5	GRAY	CLAY	MEDIUM STIFF				
	13	1.0	"	"	STIFF				
	14	1.75	"	"	VERY STIFF				
	15								
	16								
	17								
	18								
	19								
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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. 92-112

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	1.50		Brown,Clay,Stiff,w/sand seams	CH	30.6											
2	2-4	1.50		Brown,Clay,Stiff,w/sand seams	CH	32.3											
3	4-6	1.75		Brown,Clay,Stiff,w/sand seams&mica	CH	35.8	83.4	113.3	61	25							
4	6-8	1.50		Brown,Clay,Stiff,w/sand seams&mica	CH	34.8											
5	8-10	1.75		Brown,Clay,Stiff,w/sand seams&mica	CH	34.7											
6	10-12	1.25		Brown,Clay,Stiff,w/sand seams&mica	CH	33.8	85.9	114.9	65								
7	12-14	1.75		Olive gray,Clay,Stiff,Sandy,w/sand seams	CL	20.6											
8	14-16	1.25		Brown,Clay,Stiff,w/sand seams&mica	CH	34.5											
9	16-18	1.00		Brown&gray,Clay,Stiff,w/sand seams	CH	34.1											
10	18.5-20		13	Gray,Sand,Medium dense,Silty	S M												
11	20.5-22		11	Gray,Sand,Medium dense,Silty	S M												
12	24-26	0.75		Brown,Clay,Medium stiff	CH	34.7											
13	26-28	0.75		Olive gray,Clay,Medium stiff	CH	42.1											
14	28-30	1.00		Olive gray,Clay,Stiff	CH	37.5											

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.