

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>92-178</u> DATE: BEGIN <u>8-2-92</u> PAGE <u>111</u> JOB NO. <u>14G548</u> COMPLETE <u>8-2-92</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>3-00</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>PARTLY CLOUDY HOT & VERY WINDY</u> DRILLER <u>SCOTT</u> LOGGER <u>JOHN</u>				
						COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0										
	1		0.75	BROWN	CLAY	MEDIUM STIFF				
	2		0.00	"	"	VERY SOFT				
	3		0.75	"	"	MEDIUM STIFF				
	4		1.25	"	"	STIFF				
	5		0.25	"	"	SOFT				GRAY 8'-14'
	6		0.50	"	"	MEDIUM STIFF				
	7		0.75	"	"	"				
	8		0.50	GRAY	"	"				BROWN 14'-20'
	9		1.25	"	"	STIFF				W/Sq LAYER 14'-16'
	10		1.25	"	"	"				
	11									
	12									
	13									
	14									
	15									
	16									
	17									
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	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. 92-178

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	1.25		Brown,Clay,Stiff,w/ferrous stains	CH	30.2										0.55	
2	2-4	0.50		Brown,Clay,Medium stiff,w/ferrous stains	CH	35.4			57							0.30	
3	4-6	0.75		Brown,Clay,Medium stiff,Silty,w/ferrous stains	CL	31.4	89.3	117.3	46	20						0.30	
4	6-8	1.00		Brown,Clay,Stiff,Silty,w/ferrous stains	CL	32.8										0.50	
5	8-10	0.50		Brown,Clay,Medium stiff,Silty,w/ferrous stains	CL	32.8	88.5	117.6	42	20	100.0	100.0	99.6	99.5	99.4	0.30	0.57
6	10 - 12	0.75		Brown,Clay,Medium stiff,w/ferrous stains	CH	35.7										0.30	
7	12 - 14	0.75		Brown,Clay,Medium stiff,w/ferrous stains&silt pockets	CH	27.1										0.30	
8	14 - 16	0.50		Gray,Clay,Medium stiff,Silty	CL	28.0										0.25	
9	16 - 18	1.25		Brown&gray,Clay,Stiff	CH	34.2											
10	18 - 20	1.00		Brown&gray,Clay,Stiff,w/mica	CH	29.4											

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.