

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>92-184</u> DATE: BEGIN <u>8-1-92</u> PAGE <u>111</u> JOB NO. <u>146548</u> COMPLETE <u>8-1-92</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>4.00</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>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1	0.00 GRAY	CLAY	VERY SOFT					
	2	0.00 "	"	"					
5	3	0.75 BROWN	"	MEDIUM STIFF		+ GRAY 4-6'			
	4	0.75 GRAY	"	"					
	5	1.0 "	"	STIFF					
10	6	1.0 GRAY	"	"		+ BROWN 10'-12'			
	7	2.0 "	"	VERY STIFF					
15	8	2.25 "	"	"					
20									
25									
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. 92-184

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	0.50		Gray,Clay,Medium stiff,w/sand seams	CH	34.5										0.25	
2	2-4	0.50		Brown,Clay,Medium stiff,w/very soft clay pockets	CH	35.6	84.6	114.7	61	25						0.30	0.55
3	4-6	0.50		Brown,Clay,Medium stiff	CH	35.0										0.30	
4	6-8	0.25		Olive gray,Clay,Soft	CH	40.4	79.3	111.3	56	23						0.12	0.26
5	8-10	0.25		Olive gray,Clay,Soft	CH	41.9											
6	10 - 12	0.25		Gray,Clay,Soft	CH	39.0											
7	12 - 14	1.50		Yellowish brown,Clay,Stiff,w/ferrous stains	CH	32.4											
8	14 - 16	1.25		Yellowish brown,Clay,Stiff,w/ferrous stains	CH	28.9											

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.