

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO.	DATE: BEGIN	PAGE	THIN WALLED TUBE
					92-97	7-23-92	11	
					JOB NO. 146548	COMPLETE 7-23-92		
					PROJECT DISPOSAL AREA #5			☒ 3" ☐ 6"
					LOCATION BROWNSVILLE SHIP CHANNEL			
					ELEVATION OF HOLE			
					MANUFACTURER'S DESIGNATION OF DRILL RIG	C-1000 Marsh Buggy		
					GROUNDWATER: DEPTH 2.00 ft., ELEV.			ft., at end of Drilling
					WEATHER PARTLY CLOUDY			
					DRILLER SCOTT GREGUREK	LOGGER JOHN A. GENTRY		
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS		
0						w/so sms PKTS 0'-2'		
	1	1.25 BROWN	CLAY	STIFF		GRAY -		
	2	3.75 "	"	VERY STIFF		w/so LAYERS 3'-4'		
5	3	1.25 "	"	STIFF				
	4	1.75 "	"	"		w/so CLAY LAYER 7'-10'		
	5	1.75 "	"	"				
10	6	1.1 BROWN	CLAY	SOFT		NR w/ Tube 10-12'		
JAR	7	0.25 "	"	SOFT		MSA LAYER		
	8	0.50 GRAY	"	MEDIUM STIFF				
15	9	GRAY	SAND		CLAY	PUSH TUBE		
JAR						w/ clay at bottom of sample		
	10	3.3 GRAY	CLAY	MEDIUM STIFF		NR w/ Tube 18-20		
JAR	11	1.0 "	"	"		PR=0.75		
	12	1.0 "	"	"		A+BROWN 20'-28'		
	13	2.5 GRAY	CLAY	VERY STIFF		w/ferrous nod 22'-24'		
25	14	2.5 "	"	"		A+BLUE 24'-28'		
	15	1.0 BLUEISH GRAY	CLAY	STIFF		28'-29'		
30						*+YELLOW w/ CLAY SAND LINGO		
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. 92-97

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+		Gray&brown,Clay,Hard,Sandy,w/calcareous nodules&sand seams	CL	16.1											
2	2-4	2.75		Brown,Clay,Very stiff,Sandy,w/calcareous nodules&sand seams	CL	21.0											
3	4-6	2.00		Brown&gray,Clay,Very stiff,Sandy,w/sand seams	CL	21.6											
4	6-8	1.00		Brown&gray,Clay,Stiff,Sandy,w/calcareous nodules&sand pockets	CL	21.2	101.6	123.1	37	16							
5	8-10	1.25		Brown&gray,Clay,Stiff,Sandy,w/calcareous nodules&sand pockets	CL	20.4											
6	10.5-12	0.25	2	Gray,Clay,Soft,Sandy,w/soft calcareous nodules	CL	24.1											
7	12-14	0.25		Brown&gray,Clay,Soft,w/calcareous nodules& mica	CH	24.6	101.0	125.8	50	22						0.12	
8	14-16	0.50		Gray,Clay,Medium stiff,w/calcareous nodules& sand pockets	CH	32.9											
9	16-18			Gray,Sand,Loose,Silty	S M												
10	18.5-20	0.75	6	Brown,Clay,Medium stiff	CH	32.6											
11	20-22	1.25		Gray,Clay,Stiff,w/ferrous nodules	CH	28.7											
12	22-24	1.50		Brown,Clay,Stiff,w/ferrous stains	CH	28.7											
13	24-26	1.75		Brown,Clay,Stiff,w/ferrous stains	CH	36.3			84								
14	26-28	1.75		Brown,Clay,Stiff,w/ferrous stains	CH	32.0											
15	28-30	1.25		Brown,Clay,Stiff,w/ferrous stains	CH	31.3											

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.