

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>92-105</u> DATE: BEGIN <u>7-25-92</u> PAGE <u>111</u> JOB NO. <u>146548</u> COMPLETE <u>7-25-92</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>4.00</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>PARTLY CLOUDY</u> DRILLER <u>SCOTT GREGUREK</u> LOGGER <u>JOHN A. GENTRY</u>								
JAR	0	1	4.25	GRAY	CLAY	HARD		W/ BROWN 0'-
		2	1.5	"	"	STIFF		- w/ 50 SM(S) & LAYERS 0'-8'
	5	3	2.0	"	"	VERY STIFF		
		4	1.25	"	"	STIFF		- w/ 50 LAYER 7'-8
JAR	10	5	2.34	GRAY	CLAY	MEDIUM STIFF	SAND	- w/ 50 LAYER 8'-9', PRODS + BROWN 8'-10
		6	2.25	GRAY	CLAY	VERY STIFF		+ BROWN 10'-12
		7	1.0	"	"	STIFF		- w/ 50 LAYERS 10'-12
								- w/ 50 CLAY LAYER 12'-14'
JAR	15	8		GRAY	SAND	LOOSE	SILTY	* FINE - w/ CL LAYER 15'-16
		9	0.5	GRAY	CLAY	MEDIUM STIFF		
		10	0.5	"	"	"		
	20	11	0.5	"	"	"		- w/ 50 LAYER 20'-21'
		12	0.75	GRAY	"	"		+ BROWN 22'-
	25	13	1.0	"	"	STIFF		
		14	1.25	"	"	"		
		15	1.5	"	"	"		
	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. 92-105

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/sand seams	CL	13.8											
2	2-4	1.00		Brown,Clay,Stiff,w/ferrous stains sand pockets& sand seams	CH	33.2											
3	4-6	1.50		Brown&gray,Clay,Stiff,Sandy,w/calcareous nodules&sand seams	CL	23.2	101.1	124.6	42	20	99.6	98.3	94.4	83.8	70.3		
4	6-8	1.50		Brown,Clay,Stiff,w/ferrous stains&sand seams	CH	30.6											
5	8.5-10	0.75	7	Brown,Clay,Medium stiff,Sandy	CL	27.1											
6	10-12	1.50		Brown,Clay,Stiff,w/sand seams&sand pockets	CH	23.7	100.6	124.5	55	22							
7	12-14	0.50		Gray&brown,Clay,Medium stiff,Sandy,w/ calcareous nodules&sand seams	CL	22.5											
8	14-16			Brown,Sand,Loose,Silty,w/clay seams	S M												
9	16-18	0.25		Gray,Clay,Soft	CH	42.5											
10	18-20	0.25		Olive gray,Clay,Soft	CH	42.9											
11	20-22	0.25		Olive gray,Clay,Soft	CH	48.0			69								
12	22-24	0.75		Olive gray,Clay,Medium stiff	CH	35.9											
13	24-26	1.00		Olive gray,Clay,Stiff	CH	36.4											
14	26-28	2.00		Brown,Clay,Very stiff,w/mica	CH	30.3			74								
15	28-30	1.50		Brown,Clay,Stiff,w/mica	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.