U.S. ARMY CORPS OF ENGINEERS

BORING NO. 92-182 DATE: BEGIN 8-02-92 PAGE 1 / 1

JOB NO. 14G548 COMPLETE 8-02-92 Thin Walled Tube ☒ 3" ☐ 6"

PROJECT DISPOSAL AREA #5

LOCATION BROWNSVILLE SHIP CHANNEL

ELEVATION OF HOLE

MANUFACTURER'S DESIGNATION OF DRILL RIG C-1000 Marsh Buggy

GROUNDWATER: DEPTH 3.00 ft., ELEV. ____ ft., at end of Drilling

WEATHER PARTLY CLOUDY HOT & WINDY

DRILLER SCOTT GREGUREK LOGGER JOHN A. GENTRY

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE / SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	0.25	BROWN	CLAY	SOFT		
		2	0.25	"	"	"		
5		3	0.5	"	"	MEDIUM STIFF		
		4	1.0	BROWN	CLAY	STIFF		& GRAY 4' to 4½
		5	1.5	"	"	"		
10		6	1.0	"	"	"		& GRAY 10' - 12'
		7	0.75	BROWN	CLAY	MEDIUM STIFF		
15		8	0.50	"	"	"		
		9	1.0	"	"	STIFF		- w/ SiFSa LAYER 16'
	X	11	4/22	BROWN	SAND	LOOSE	SILTY	PUSH TUBE NR 18-20' & GRAY
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. 92-182

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)	L L (%)	P L (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0-2	1.25		Yellowish brown,Clay,Stiff	CH	33.4										0.60	
2	2-4	0.25		Brown,Clay,Soft,w/ferrous stains	CH	38.7	81.3	112.8	62	25						0.16	0.34
3	4-6	0.75		Brown,Clay,Medium stiff,w/ferrous stains	CH	34.0										0.35	
4	6-8	0.50		Brown,Clay,Medium stiff,w/ferrous stains	CH	32.8											
5	8-10	1.00		Brown,Clay,Stiff,w/ferrous stains	CH	31.6	89.0	117.1	67	25						0.50	
6	10 - 12	0.75		Brown&gray,Clay,Medium stiff,w/ferrous stains	CH	27.2											
7	12 - 14	0.75		Brown,Clay,Medium stiff,Sandy,w/ferrous stains	CL	26.1	97.3	122.6	39	17							0.72
8	14 - 16	1.00		Brown,Clay,Stiff,Sandy,w/ferrous stains	CL	24.1											
9	16 - 18	1.25		Brown&gray,Clay,Stiff,Sandy	CL	25.1											
10	18.5-20		4	Gray,Sand,Loose,Silty	S M												

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.