U.S. ARMY CORPS OF ENGINEERS

BORING NO. 92-179 DATE: BEGIN 8-02-92 PAGE 1 / 1
JOB NO. 146548 COMPLETE 8-02-92 Thin Walled Tube
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 5 ft., ELEV. ____ ft., at end of Drilling
WEATHER PARTLY CLOUDY HOT & VERY 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	2.25	BROWN	CLAY	VERY STIFF		- W/ SI LAYERS 0'-4'
		2	0.5	"	"	MEDIUM STIFF		
5		3	1.25	BROWN	CLAY	STIFF	SILTY	
		4	0.75	BROWN	CLAY	MEDIUM STIFF		- W/ SI LAYER 6'-8' & GRAY 6'-8'
		5	2.5	"	"	"		
10		6	0.5	BROWN	CLAY	MEDIUM STIFF	SILTY	- SAND LAYER at 11'
		7		BROWN	SAND		SILTY	FINE
	X	8	1/2/2	BROWN	SAND	LOOSE	SILTY	
15		9	2.0	BROWN	CLAY	VERY STIFF		
		10	2.25	"	"	"		& GRAY 16'-18'
		11	3.0	"	"	"		
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. 92-179

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					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	1.50		Brown,Clay,Stiff,Silty,w/ferrous stains and silt pockets	C L	24.2											
2	2-4	0.75		Brown,Clay,Medium stiff,Silty,w/ferrous stains	C L	23.0			33	15							
3	4-6	0.75		Brown,Clay,Medium stiff,Silty,w/sand seams& sand pockets	C L	28.0											
4	6-8	0.75		Brown,Clay,Medium stiff,Silty,w/sand seams& sand pockets	C L	24.5			33								
5	8-10	1.75		Brown,Clay,Stiff,Silty,w/ferrous stains	C L	24.4											
6	10 - 11	1.50		Brown,Clay,Stiff,Silty,w/ferrous stains	C L	24.4											
7	11 - 12			Brown,Sand,Loose,Silty	S M						100.0	100.0	100.0	61.6	29.9		
8	12.5 - 14		4	Brown,Sand,Loose,Silty	S M												
9	14 - 16	1.25		Brown,Clay,Stiff	C H	32.6											
10	16 - 18	1.50		Brown,Clay,Stiff	C H	31.4			63								
11	18 - 20	2.75		Brown,Clay,Very stiff,w/ferrous stains	C H	28.2											

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.