U.S. ARMY CORPS OF ENGINEERS

BORING NO. 92-98 DATE: BEGIN 7-23-92 PAGE 1 / 1
JOB NO. 146548 COMPLETE 7-23-92 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 1.00 ft., ELEV. ____ ft., at end of Drilling
WEATHER PARTLY CLOUDY
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	4.5+	BROWN	CLAY	HARD		* v GRAY - w/ Sa SM(S) 0'-4'
		2	4.5+	"	"	"		
5		3	2.75	LIGHT GRAY	CLAY	VERY STIFF		* v BROWN - w/ Sa LAYERS 4'-6'
		4	2.75	LIGHT GRAY	CLAY	VERY STIFF	SANDY	- w/ Sa LAYERS 6'-18' * BROWN 6'-18'
		5	1.0	"	"	STIFF	"	- w/ CLAY LAYERS 8'-12'
10		6	4.5	"	"	HARD	"	
		7	2.0	"	"	Very STIFF	"	
15		8	0.25	"	"	SOFT	"	
		9	0.00	"	"	VERY SOFT	"	
		10	0.00	GRAY	CLAY	VERY SOFT		- w/ Sa SM(S) 18'-22'
20		11	0.25	"	"	SOFT		
		12	1.0	"	"	STIFF		
25		13	1.0	GRAY	"	"		* v BROWN 24'-30'
		14	1.5	"	"	"		
		15	2.25	"	"	VERY STIFF		
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. 92-98

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	4.5+		Dark brown,Clay,Sandy,Hard,w/sand seams	CL	24.0											
2	2-4	4.5+		Brown&gray,Clay,Hard,Sandy,w/calcareous nodules&sand pockets	CL	26.5	93.8	118.7	41	18							
3	4-6	1.25		Brown,Clay,Stiff,Sandy,w/calcareous nodules& sand pockets	CL	26.1											
4	6-8	0.75		Brown&gray,Clay,Medium stiff,Sandy,w/sand seams&sand pockets	CL	26.9											
5	8-10	0.50		Brown&gray,Clay,Medium stiff,Sandy,w/sand seams&sand pockets	CL	27.1	93.4	118.7	37	18	100.0	99.9	99.7	90.0	75.0		
6	10-12	0.75		Yellowish brown&gray,Clay,Medium stiff,Sandy, w/sand seams	CL	21.5											
7	12-14	1.00		Brown,Clay,Stiff,w/ferrous stains&sand pockets	CH	35.3											
8	14-16	0.25		Brown,Clay,Soft,w/sand pockets	CH	41.3			54								
9	16-18	0.25		Brown,Clay,Soft,w/silt pockets	CH	30.4											
10	18.5-20	0.50		Gray,Clay,Medium stiff,w/sand pockets	CH	34.4			60							0.30	
11	20-22	0.50		Gray,Clay,Medium stiff,w/sand pockets	CH	38.4											
12	22-24	0.75		Gray,Clay,Medium stiff,w/silt pockets	CH	41.3											
13	24-26	0.50		Gray,Clay,Medium stiff,w/silt pockets	CH	37.5			57								
14	26-28	1.75		Brown&gray,Clay,Stiff,w/ferrous stains	CH	28.5											
15	28-30	2.25		Brown&gray,Clay,Very stiff,w/ferrous stains	CH	29.1											

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