U.S. ARMY CORPS OF ENGINEERS

BORING NO. 92-94 DATE: BEGIN 7-22-92 PAGE 1 12
JOB NO. 146548 COMPLETE 7-22 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 4.00 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		+GRAY w/ Sa SM(S) 0'-2
		2	4.5+	"	"	"		+GRAY w/ Sa LAYERS 2-6'
5		3	4.5+	"	"	"		
		4	4.5+	LIGHT GRAY	CLAY	HARD	SANDY	
		5	0.5	"	"	MEDIUM STIFF	"	-w/Sand LAYER 8'-14
10		6	1.0	"	"	STIFF	"	-w/SHALE FRAGMENT 10'-14
		7	0.75	"	"	MEDIUM STIFF	"	
15	X	8	1/1-12"	"	"	VERY SOFT	"	PUSH TUBE N/R 14-16' +BROWN 14-16
JAR JAR	X	9	1/1-12"	GRAY	"	"	"	PUSH TUBE N/R 16-18' -w/ROOTS 16½-18
		10	0.25	GRAY	CLAY	SOFT		
20		11	0.25	"	"	"		
		12	1.0	GRAY	CLAY	STIFF		+w/BROWN
25	X	13	26/14	GRAY	SAND	MEDIUM DENSE	SILTY	+FINE Below 24
30	X	14	8/14,10	"	"	"	"	"
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. 92-94

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+		Brown,Clay,Hard,w/calcareous nodules&sand seams	CH	17.4											
2	2-4	4.5+		Brown&gray,Clay,Hard,w/sand seams	CH	18.9	107.7	128.1	56	27							
3	4-6	4.5+		Brown&gray,Clay,Hard,w/sand seams & gravel	CH	19.7											
4	6-8	1.50		Gray&brown,Clay,Stiff,Sandy,w/sand seams & sand pockets	CL	21.9											
5	8-10	0.75		Brown&gray,Clay,Medium Stiff,Sandy,w/sand seams,sand pockets & mica	CL	25.2										0.40	
6	10-12	1.00		Brown&gray,Clay,Stiff,Sandy,w/sand seams & sand pockets	CL	19.7	107.2	128.3	42	19	100.0	99.6	99.3	86.9	69.9		
7	12-14	0.50		Brown&gray,Clay,Medium stiff,Sandy,w/sand seams&sand pockets	CL	27.4										0.25	
8	14.5-16	0.00	1/1 - 12"	Brown,Clay,Very soft	CH	37.7											
9	16.5-18	0.00	1/1 - 12"	Brown,Clay,Very soft	CH	42.8											
10	18-20	0.50		Brown,Clay,Medium stiff	CH	29.7											
11	20-22	0.50		Gray,Clay,Medium stiff	CH	27.8			56								
12	22-24	1.25		Gray&brown,Clay,Stiff,w/ferrous stains	CH	27.9											
13	24.5-26		20	Gray,Sand,Medium dense,Silty	S M												
14	29.5-31		24	Gray,Sand,Medium dense,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