U.S. ARMY CORPS OF ENGINEERS

BORING NO. 93-316 DATE: BEGIN 7-8-93 PAGE 1 / 1
JOB NO. 146630 COMPLETE 7-8-93 Thin Walled Tube
PROJECT Brazos Island Harbor Project. ■ 3" ☐ 6"
LOCATION Brownsville ship channel near Brownsville, Tx
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG Ardco K-4X4
GROUNDWATER: DEPTH 1/2 ft., ELEV. ____ ft., at end of Drilling
WEATHER Clear & Hot
DRILLER Scott Gregurek LOGGER Iraj Mostamand

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE / SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSIS-TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	0.25	Gray	clay	Soft		-w/Sa Sm S
		2	0.25	Gray	clay	Soft		-w/Sa pk-1 & Sa Sm S
5		3	0.50	Gray	clay	M.stiff		
		4	0.50	Brown	clay	M.stiff		
		5	0.50	Brown	clay	M.stiff		
10		6	0.25	Brown	clay	Soft		
		7	0.25	Brown	clay	Soft		
15		8	0.25	Gray & Brown	clay	Soft		
		9	1.50	Brown	clay	stiff		
		10	1.25	Brown	clay	stiff		
20								
25								
30								
35								

Project : Brazos Island Harbor Project, Brownsville Shipchannel near Brownsville, Texas
Contract No. DACW64-92-D-0005 Delivery order No. 0018

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-316

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	0.25		Gray,Clay,Soft,w/sand pockets	CH	24.9											
2	2-4	0.25		Gray,Clay,Soft,w/blocky structure	CH	37.2											
3	4-6	0.50		Gray,Clay,Medium stiff,w/blocky structure	CH	58.0	66.6	105.2	76	30	100.0	100.0	99.7	98.5	96.6		
4	6-8	0.75		Light brown,Clay,Medium stiff	CH	29.9											
5	8-10	0.75		Light brown,Clay,Medium stiff	CH	28.1											
6	10-12	0.00		Light brown,Clay,Very soft	CH	65.3											
7	12-14	0.25		Light brown,Clay,Soft	CH	29.1			52								
8	14-16	0.25		Light brown,Clay,Soft	CH	30.2											
9	16-18	1.50		Brown,Clay,Stiff	CH	32.8											
10	18-20	1.50		Brown,Clay,Stiff	CH	34.5											

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.

B.I.H. DISPOSAL AREA NO. 7 (Cont.)

	CORE BORING	COORDINATES X	Y	N.B. ELEV.
25	93-311	2378835.57	109220.80	9.90
26	93-312	2378651.26	109678.24	12.33
27	93-313	2379430.22	109197.84	11.43
28	93-314	2379366.81	109932.52	14.15
29	93-315	2380017.75	110194.21	11.81
30	93-316	2380661.04	110451.44	11.49
31	93-317	2381319.67	110719.22	12.51
32	93-318	2381965.45	110977.46	13.14
33	93-319	2382618.30	111238.43	12.29