U.S. ARMY CORPS OF ENGINEERS

BORING NO. 93-346 DATE: BEGIN 7-10 93 PAGE 1 1
JOB NO. 146630 COMPLETE 7-10-93 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 0 ft., ELEV. ____ ft., at end of Drilling
WEATHER Sunny & Hot
DRILLER Scott Gregorek LOGGER Iraj Mostamand

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	Sand	w/ Sa. Seams & Sa pkts & grass root
		2	1.75	Brown	clay	stiff	Sand	w/ sand layer 2-4"
5		3	1.00	Gray	clay	stiff		w/ Sa pkts & Sa Seams
		4	1.50	Gray	clay	stiff		w/ Sa pkts & Sa Seams
		5	1.25	Brown & Gray	clay	stiff		w/ Fest.
10		6	1.75	Brown & Gray	clay	stiff		w/ Fest
		7	2.25	Brown & Gray	clay	Very stiff		w/ Fest
15		8	2.00	Olive Gray	clay	Very stiff	Sand	
20								
25								
30								
35								

GEOTEST ENGINEERING, INC.

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. 93-346

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	4.5 +		Brown,Clay,Hard,Sandy,w/grass roots&sand seams&sand pockets	C L	16.2											
2	2 - 4	1.50		Brown,Clay,Stiff,Sandy,w/sand seams&sand layer	C L	22.6											
3	4 - 6	1.00		Brown,Clay,Stiff,w/mica&sand seams	C H	24.5			53								
4	6 - 8	1.25		Brown,Clay,Stiff,w/mica&sand seams	C H	26.0											
5	8 - 10	1.25		Brown,Clay,Stiff,w/mica&sand seams	C H	27.9			50								
6	10 - 12	1.50		Brown,Clay,Stiff,w/ferrous nodules	C H	33.3											
7	12 - 14	1.75		Brown,Clay,Stiff,w/ferrous nodules	C H	33.0											
8	14 - 16	2.00		Olive gray,Clay,Very stiff,Sandy,w/ferrous nodules	C L	22.2											

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.

B.I.H. DISPOSAL AREA NO. 8 (Cont.)

	CORE BORING	COORDINATES X	Y	N.G. ELEV.
25	93-344	2364499.81	102673.10	11.37
26	93-345	2363806.52	102641.36	13.16
27	93-346	2363764.64	103202.64	13.54