U.S. ARMY CORPS OF ENGINEERS

BORING NO. 93-340 DATE: BEGIN 7-13-93 PAGE 1 / 1
JOB NO. 146630 COMPLETE 7-13-93 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 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	Brown	clay	Soft		-w/Sa Seams
		2	0.50	Brown	clay	M. stiff		
5		3	1.00	Brown	clay	stiff		
		4	1.25	Brown	clay	stiff		
		5	0.75	Brown	clay	M. stiff		-w/Fe Nod
10		6	0.50	Brown	clay	M. stiff		-w/Fe Nod
		7	0.75	Brown	clay	M. stiff		-w/Fe Nod
15		8	0.00	Gray	clay	Very Soft	Sand	Border line material (Sandy clay To clayey Sand)
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. 93-341

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	0.00		Brown,Clay,Very soft	CH	44.1											
2	2 - 4	0.00		Brown,Clay,Very soft,w/sand pockets	CH	29.2	91.2	117.8	52								
3	4 - 6	0.50		Dark gray,Clay,Medium stiff	CH	32.8											
4	6 - 8	0.75		Brown&gray,Clay,Medium stiff,w/mica	CH	37.0											
5	8 - 10	0.75		Brown&gray,Clay,Medium stiff	CH	37.3											
6	10 - 12	0.75		Brown&gray,Clay,Medium stiff	CH	30.7											
7	12 - 14	0.75		Gray,Clay,Medium stiff	CH	35.2	84.8	114.7	50								
8	14 - 16	1.50		Gray,Clay,Stiff	CH	35.1											
9	16 -18	1.50		Brown&gray,Clay,Stiff,Sandy	CL	19.0											
10	18 - 20	1.50		Brown&gray,Clay,Stiff,Sandy	CL	21.5											

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. 8

	CORE BORING	COORDINATES X	Y	N.G. ELEV.
1	93-320	2363789.02	103773.22	12.56
2	93-321	2364323.55	103856.25	9.41
3	93-322	2364764.46	104067.99	17.49
4	93-323	2365237.93	104221.76	17.20
5	93-324	2365607.00	104552.24	15.75
6	93-325	2366123.53	104592.72	20.84
7	93-326	2366578.71	104834.40	15.89
8	93-327	2367088.58	104956.07	22.68
9	93-328	2367537.78	105191.97	23.08
10	93-329	2368014.21	105329.11	20.39
11	93-330	2368466.83	105561.97	12.21
12	93-331	2368574.14	104635.29	14.01
13	93-332	2368510.00	103633.81	14.13
14	93-333	2368542.26	102633.47	12.65
15	93-334	2368568.39	101634.32	11.91
16	93-335	2368538.72	100684.38	10.40
17	93-336	2368042.63	100675.22	10.87
18	93-337	2367237.44	100708.14	10.50
19	93-338	2367249.00	101707.25	10.60
20	93-339	2367245.36	102206.57	10.8
21	93-340	2367221.53	102747.93	13.44
22	93-341	2366605.67	102743.50	12.20
23	93-342	2365903.77	102710.82	12.98
24	93-343	2365205.46	102690.67	12.29