U.S. ARMY CORPS OF ENGINEERS

BORING NO. 95-139 DATE: BEGIN 6-3-95 PAGE 1 / 1
JOB NO. 946799-15 COMPLETE 6-3-95 Thin Walled Tube
PROJECT Channel To Victoria ■ 3" □ 6"
LOCATION Disposal Area NO. 6
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG Ardco K4X4, C-1000, Marsh Buggy
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	1.25	Dk-gray	clay	stiff	Sandy	-w/roots
		2	4.5+	Dk gray	clay	Hard		-w/sasm
5		3	4.5+	Yellowish gray	clay	Hard	silty	-w/calc nod & Sasms
		4	4.5+	Yellowish gray	clay	Hard	silty	-w/calc nod & Sasms
		5	1.75	Yellowish gray	clay	stiff	silty	-w/calc nod & Sasms
10		6	2.75	Yellowish Brown	clay	Vs stiff		-w/calc nod & Fest, SLS
		7	3.25	Yellowish Brown	clay	Vs stiff		-w/calc nod & Fest, SLS
15		8	4.5+	Yellowish Brown	clay	Hard		-w/calc nod & Fest, SLS
		9	4.5+	Yellowish Brown	clay	Hard	silty	-w/calc nod & Fest
		10	4.5+	Yellowish Brown	clay	Hard	silty	-w/calc nod & Fest, & Sasms
20		11	4.5+	Yellowish Brown	clay	Hard		-w/calc nod & Fest, SLS
		12	4.5+	Yellowish Brown	clay	Hard		-w/calc nod & Fest, SLS
25		13	4.5+	Yellowish Brown	clay	Hard		-w/calc nod & Fest, SLS
30								
35								

GEOTEST ENGINEERING, INC.

Project: Channel to Victoria
Seadrift, Texas
Contract No. DACW64-94-D-0015 Delivery Order No. 0018

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 95-139

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	Mc (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	PL (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0 - 2	1.25		Sandy Clay,w/roots,Stiff,Dark gray	CL	14.7											
2	2 - 4	4.5+		Sandy Clay,w/sand seams,Hard,Dark gray	CL	15.8	111.3	128.9	47.0	21.0							
3	4 - 6	4.5+		Silty Clay,w/calcareous nodules & sand seams, Hard,Yellowish gray	CL	14.4											
4	6 - 8	4.5+		Silty Clay,w/calcareous nodules & sand seams, Hard,Yellowish gray	CL	14.3			37.0								
5	8 - 10	1.75		Silty Clay,w/calcareous nodules & sand seams, Stiff,Yellowish gray	CL	18.0	110.6	130.5	38.0	19.0							
6	10 - 12	2.75		Clay,w/calcareous nodules & ferrous stains, slickensided,Very stiff,Yellowish brown	CH	22.3											
7	12 - 14	3.25		Clay,w/calcareous nodules & ferrous stains, slickensided,Very stiff,Yellowish brown	CH	21.1			60.0								
8	14 - 16	4.5+		Clay,w/calcareous nodules & ferrous stains, slickensided,Hard,Yellowish brown	CH	21.0											
9	16 - 18	4.5+		Silty Clay,w/calcareous nodules & ferrous stains,Hard,Yellowish brown	CL	14.8											
10	18 - 20	4.5+		Silty Clay,w/calcareous nodules & ferrous stains & sand seams,Hard,Yellowish brown	CL	19.3	110.7	132.1	49.0	21.0							
11	20 - 22	4.5+		Clay,w/calcareous nodules & ferrous stains, slickensided,Hard,Yellowish brown	CH	19.4											
12	22 - 24	4.5+		Clay,w/calcareous nodules & ferrous stains, slickensided,Hard,Yellowish brown	CH	21.3											
13	24 - 26	4.5+		Clay,w/calcareous nodules & ferrous stains, slickensided,Hard,Yellowish brown	CH	25.9	100.9	127.0	56.0	23.0							

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classifcation, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe