U.S. ARMY CORPS OF ENGINEERS

BORING NO. 95-170 DATE: BEGIN 8-8-95 PAGE 1 / 1
JOB NO. 946799-20 COMPLETE 8-8-95 Thin Walled Tube
PROJECT Channel To Victoria ■ 3" □ 6"
LOCATION Disposal Area NO. 9
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG K4X4, C-1000, Marsh Buggy
GROUNDWATER: DEPTH * ft., ELEV. ____ ft., at end of Drilling
WEATHER Sunny & Hot
DRILLER David 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	4.5+	DK. gray	clay	Hard		-w/roots
		2	2.25	Gray	Clay	V.stiff		
5		3	1.50	Gray	clay	Stiff		-w/Blocky structure
		4	0.75	Yellowish gray	clay	M-stiff		-w/Fest
		5	0.75	Yellowish gray	clay	M-stiff		-w/Fest
10		6	0.25	Yellowish gray	clay	Soft		
		7	0.25	Yellowish gray	clay	Soft	Silty	-w/sa sm & Sapkb
15		8	0.00	Gray	Clay	V.soft	Silty	-w/sa sm's & shell Fragmenb
		9	0.00	Gray	Clay	V.Soft	Silty	" " " " "
	J	10		Gray	Sand	loos	Silty	-w/shell Fragments
20	X	11	2 3 6	Gray	Sand	Loose	Silty	-w/shell Fragmenb
25	X	12	3 5 9	Gray	Sand	M. dense	Silty	-w/shell Fragmenb
								* Drilling fluid level after drilling @ 1'-11"
30								
35								

GEOTEST ENGINEERING, INC.

Project: ..inel to Victoria project

Victoria, Texas

Contract No. DACW64-94-D-0015 Delivery Order No. 0025

SUM.. ..Y OF LABORATORY TEST RESULTS

Boring No. 95-170

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	4.50+		Clay,w/roots,Hard,Dark gray	CH	22.7											
2	2 - 4	2.25		Clay,Very stiff,Gray	CH	36.0	82.9	112.8	93	34	100.0	100.0	99.6	99.0	98.0		2.10
3	4 - 6	1.50		Clay,w/Blocky structure,Stiff,Gray	CH	33.5											
4	6 - 8	0.75		Clay,w/ferrous stains,Medium stiff,Yellowish gray	CH	48.8											
5	8 - 10	0.75		Clay,w/ferrous stains,Medium stiff,Yellowish gray	CH	41.0	80.0	112.8	70	27	100.0	100.0	99.9	99.3	98.2		0.73
6	10 - 12	0.25		Clay,Soft,Yellowish gray	CH	53.1											
7	12 - 14	0.25		Silty Clay,w/sand seams and sand pockets, Soft,Yellowish gray	CL	30.9											
8	14 - 16	0.00		Silty Clay,w/sand seams and shell fragments, Very soft,Gray	C L	30.2	92.4	120.3	34								
9	16 - 18	0.00		Silty Clay,w/sand seams and shell fragments, Very soft,Gray	C L	30.1											
10	18 - 20			Silty Sand,w/shell fragments,Loose,Gray	SM												
11	20-21.5		9	Silty Sand,w/shell fragments,Loose,Gray	SM						95.8*	94.4*	86.9	42.0	30.3		
12	24.5-26		14	Silty Sand,w/shell fragments,Medium dense, Gray	SM												

S # : Sample Num..er, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classifcation, M c : Moisture Content

q u : Uncogine.. ..ressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe

* : Material Re.. ..re Shell Fragments