U.S. ARMY CORPS OF ENGINEERS

BORING NO. 95-178 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	3.00	Gray	clay	v.stiff		-w/roots
5		3	0.50	Gray	clay	M.stiff		-w/Blocky structure
		4	0.50	Gray	clay	M.stiff		-w/Fe nod & Blocky structure
		5	0.50	Gray	clay	M.stiff		-w/Fe nod & Blocky structure
10		6	0.00	Gray	clay	V.soft		-w/Fe nod & Blocky structure
		7	0.00	Gray	Clay	V.soft	Silty	" " " " "
15		8	0.00	Gray	clay	V.soft	Silty	" " " " "
		9	0.00	Gray	Clay	V.soft	Silty	-w/sa sms & shell Fragments
20		10	0.00	Gray	Clay	V.soft	Silty	-w/sa sms & shell Fragments
		11	0.00	Gray	Clay	V.soft	Sandy	-w/shell Fragments
		12	0.00	Gray	clay	V.soft	Sandy	-w/shell Fragments
25		13	0.00	Gray	clay	V.soft	Sandy	-w/shell Fragments
30								* drilling fluid level after drilling @ 1-9"
35								

GEOTEST ENGINEERING, INC.

Project: Channel to Victoria project
Victoria, Texas
Contract No. DACW64-94-D-0015 Delivery Order No. 0025

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 95-178

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					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 2	4.5+		Clay,w/roots,Hard,Dark gray	CH	30.6											
2	2 - 4	3.00		Clay,w/roots,Very stiff,Gray	CH	36.2	80.8	110.1	96	35							
3	4 - 6	0.50		Clay,w/blocky structure,Medium stiff,Gray	CH	39.8											
4	6 - 8	0.50		Clay,w/ferrous nodules & blocky structure, Medium stiff,Gray	CH	39.6											
5	8 - 10	0.50		Clay,w/ferrous nodules & blocky structure, Medium stiff,Gray	CH	39.1	81.4	113.2	73	28							
6	10 - 12	0.00		Clay,w/ferrous nodules & blocky structure, Very soft,Gray	CH	54.6											
7	12 - 14	0.00		Silty Cay,w/ferrous nodules & blocky structure, Very soft,Gray	CL	25.2											
8	14 - 16	0.00		Silty Clay,w/ferrous nodules & blocky structure, Very soft,Gray	CL	39.5											
9	16 - 18	0.00		Silty Clay,w/sand seams & shell fragments, Very soft,Gray	CL	30.8	90.7	118.7	30								
10	18 - 20	0.00		Silty Clay,w/sand seams & shell fragments, Very soft,Gray	CL	41.2											
11	20 - 22	0.00		Sandy Clay,w/shell fragments,Very soft, Gray	CL	29.2											
12	22 - 24	0.00		Sandy Clay,w/shell fragments,Very soft, Gray	CL	48.5	73.0	108.4	47								
13	24 - 26	0.00		Sandy Clay,w/shell fragments,Very soft, Gray	CL	26.6											

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