

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>95-129</u> DATE: BEGIN <u>6-2-95</u> PAGE <u>1/1</u>				
				JOB NO. <u>94G799-15</u> COMPLETE <u>6-2-95</u> Thin Walled Tube				
PROJECT <u>channel to Victoria</u>				LOCATION <u>Disposal Area NO. 3</u>				
ELEVATION OF HOLE				MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Ardeco K4X4, C-1000, Marsh Buggy</u>				
GROUNDWATER: DEPTH <u>0</u> ft., ELEV. _____ ft., at end of Drilling				WEATHER <u>SUNNY & Hot</u>				
DRILLER <u>Scott Gregurek</u> LOGGER <u>Iray Mostamand</u>								
				COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0								
	1	4.5 ⁺		DK gray	clay	Hard		- w/ roots
	2	4.5 ⁺		DK gray	clay	Hard		- w/ Sa sm s
5	3	4.5		DK gray	clay	Hard		- w/ Sa sm s
	4	4.5 ⁺		Yellowish gray	clay	Hard		- w/ calc nod & Fest
	5	4.5 ⁺		Yellowish gray	clay	Hard		- w/ calc nod & Fest - Els 8-10'
10	6	3.50		Yellowish gray	clay	v. stiff		- w/ calc nod & Fest & Sa sm s
	7	3.75		Yellowish gray	clay	v. stiff	Sandy	- w/ calc nod & Fest & Sa sm s
15	8	4.5 ⁺		Yellowish gray	clay	Hard		- w/ calc nod & Fest & Sa sm s
	9	4.5 ⁺		Yellowish gray	clay	Hard		- w/ calc nod & Fest & Sa sm s
20	10	4.5 ⁺		Yellowish gray	clay	Hard	Sandy	- w/ calc nod
	11	4.5 ⁺		Yellowish gray	clay	Hard	Sandy	- w/ calc nod
	12	2.00		Yellowish gray	clay	v. stiff	Silty	- w/ calc nod & Sa sm s
25	13	2.25		Yellowish gray	clay	v. stiff	Silty	- w/ calc nod & Sa sm s
30								
35								

Project: Channel to Victoria

Seadrift, Texas

Contract No. DACW64-94-D-0015 Delivery Order No. 0018

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 95-129

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	23.5											
2	2 - 4	4.5 +		Clay, w/sand seams, Hard, Dark gray	CH	24.4											
3	4 - 6	4.5 +		Clay, w/sand seams, Hard, Dark gray	CH	27.1			77.0	27.0							
4	6 - 8	4.5 +		Clay, w/calcareous nodules & ferrous stains, Hard, Yellowish gray	CH	21.2											
5	8 - 10	4.5 +		Clay, w/calcareous nodules & ferrous stains, slickensided, Hard, Yellowish gray	CH	22.5											
6	10 - 12	3.50		Clay, w/calcareous nodules & ferrous stains & sand seams, Very stiff, Yellowish gray	CH	19.0	109.3	130.1	64.0	26.0	99.2	97.5	97.2	96.2	95.1		
7	12 - 14	3.75		Sandy Clay, w/calcareous nodules & ferrous stains & sand seams, Very stiff, Yellowish gray	CL	18.0											
8	14 - 16	4.5 +		Clay, w/calcareous nodules & ferrous stains & sand seams, Hard, Yellowish gray	CH	24.3											
9	16 - 18	4.5 +		Clay, w/calcareous nodules & ferrous stains & sand seams, Hard, Yellowish gray	CH	21.4											
10	18 - 20	4.5 +		Sandy Clay, w/calcareous nodules, Hard, Yellowish gray	CL	17.8	111.5	131.4	37.0	18.0	100.0	99.9	99.0	94.1	78.8		
11	20 - 22	4.5 +		Sandy Clay, w/calcareous nodules, Hard, Yellowish gray	CL	19.8											
12	22 - 24	2.00		Silty Clay, w/calcareous nodules & sand seams, Very stiff, Yellowish gray	CL	18.4	110.6	130.9	26.0	15.0							
13	24 - 26	2.25		Silty Clay, w/calcareous nodules & sand seams, Very stiff, Yellowish gray	CL	16.9											

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