

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
BORING NO. <u>91-219</u> DATE: BEGIN <u>11-25-91</u> PAGE <u>1 / 1</u> JOB NO. <u>146532</u> COMPLETE <u>11-25-91</u> Thin Walled Tube PROJECT <u>VICTORIA Channel</u> ☒ 3" ☐ 6" LOCATION <u>" "</u> <u>West Bank - STA #840+00</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Mayhew 200</u> GROUNDWATER: DEPTH <u>46"</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>P.C. - Cool - Windy</u> DRILLER <u>S. Ward</u> LOGGER <u>J. Berg</u>									
0		1	1.0		Gray	Clay	Stiff		
		2	1.25		"	"	"		
5		3	1.5		"	"	Medium stiff	Sand	
		4	3/4/5		Gray	Sand	Loose		SA. at 6' w/shell frag
10		5	WOB WCH 2		Gray	Sand	Very Loose	Silt	w/shell frag
15		6	3.5		Gray	Clay	Very stiff	Sand	w/calc. nod Cl. at 15'
		7	2.5		"	"	"	"	w/calc nod
20		8	2.5		Gray Tan	"	"	"	w/calc nod
		9	3.25		"	"	"	"	w/calc. nod
		10	3.25		"	"	"	"	w/calc. nod
25		11	4.0		"	"	"	"	w/calc nod
		12	2.5		Gray Tan	"	"	"	w/calc nod
30		13	7/10/17		Gray Tan	Sand	Med Dense		w/cl. smg Sand at 29' Bottom of - 91-219 36'
35									

Project : Channel to Victoria . Victoria, Texas
 Contract No. DACW64-92-D-0001 Delivery order No. 0006

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-219

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)	LL (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	1.00		Gray,Clay,Stiff,w/sand pockets & shell fragments	CH	37.8											
2	2-4	1.00		Gray,Clay,Stiff	CH	33.6	87.8	117.3	82	34							
3	4-6	0.75		Gray,Clay,Medium stiff	CH	35.6											
4	6.5-8		9	Gray,Sand,Loose,Silty	S M												
5	11.5-13		W.O.H+ 2	Gray,Sand,Very loose,Silty,w/shell fragments	SM						99.6	98.3	90.9	49.5	32.4		
6	15-17	2.75		Gray,Clay,Very stiff,Sandy,w/calcareous nodules	CL	21.3											
7	17-19	2.75		Gray,Clay,Very stiff,Sandy,w/calcareous nodules	CL	21.4											
8	19-21	3.00		Gray & yellowish gray,Clay,Very stiff,Sandy,w/calcareous nodules	CL	19.3	109.5	130.6	42	17							
9	21-23	4.5+		Gray & yellowish gray,Clay,Hard,Sandy,w/calcareous nodules	CL	21.9											
10	23-25	4.5+		Gray & yellowish gray,Clay,Hard,Sandy,w/calcareous nodules	CL	14.8											
11	25-27	2.25		Gray & yellowish gray,Clay,Very stiff,Sandy,w/calcareous nodules and sand layer	CL	16.3											
12	27-29	2.00		Gray & yellowish gray,Clay,Very stiff,Sandy,w/calcareous nodules and sand layer	CL	19.7											
13	29.5-31		29	Gray & yellowish gray,Sand,Medium dense,Silty	S M												

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.