

U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-235 DATE: BEGIN 1-21-92 PAGE 1 / 2
 JOB NO. 146532 COMPLETE 1-21-92 Thin Walled Tube
 PROJECT VICTORIA CHANNEL ☒ 3" ☐ 6"
 LOCATION West Back Sta = 570+00
 ELEVATION OF HOLE _____
 MANUFACTURER'S DESIGNATION OF DRILL RIG Mayhew 900
 GROUNDWATER: DEPTH 56 ft., ELEV. _____ ft., at end of Drilling
 WEATHER Cloudy - Cool - Showery
 DRILLER SWARD LOGGER J. R. Ceg

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE	SPT. - BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1	2.75	Tan	Clay	Stiff			
	2	1.00	Tan GRAY	"	stiff		Sand	w/ shell frag
5	3	1 1/2	Tan	Sand	very loose			w/ shell frag TA at 4'
10	4	2 3/5	GRAY	Sand clay	Loose stiff			PEN = 1.00 Cl. at 9'
	5	1.0	light tan	"	stiff			
15	6	2 3/3	Gray	Sand	Loose			w/ shell frag
	7	3 5/1	"	"	mod dense			w/ " "
20	8	1-12	"	Silt	very loose			w/ shell frag
25	9	4.51	GRAY TAN	clay	hard			Cl. at 22'
	10	3.25	"	"	very stiff			
	11	3.75	Tan GRAY	"	"			
30	12	4.25	"	"	hard		Silt	
	13	3.5	"	"	very stiff			
35	14	4 5/6	TAN	"	stiff		Pen = 1.25	N.W. Barrel
	15	1.25	TAN	"	stiff			w/ shell (damaged due to N.W. barrel misalignment)

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DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-235</u> DATE: BEGIN <u>1-21-92</u> PAGE <u>2</u> / <u>2</u> JOB NO. <u>146532</u> COMPLETE <u>1-21-92</u> Thin Walled Tube PROJECT <u>Victoria Channel</u> ☒ 3" ☐ 16" LOCATION <u>West Bank Sta 570+60</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Mayhew 200</u> GROUNDWATER: DEPTH <u>Surface</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>Cloudy - Cool - S. WINDS</u> DRILLER <u>S. Ward</u> LOGGER <u>H. P. R. S.</u>				
					COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
35									
				225	TAN	CLAY	Very stiff		w/shell (Disturbes sample due to concentration of shells)
				172.75	"	"	"		w/shell (as above)
40									Bottom of 91-235
									40'
45									
50									
55									
60									
65									
70									

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-235

E1. + 10

5 Ft. from
 Bank
 Top

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)	qu (tsf)
											#4	#10	#40	#100	#200		
1	0-2	3.25		Gray&red,Clay,Very stiff,w/sand pockets & shell fragments	CH	23.7											
2	2-4	2.25		Gray&red,Clay,Very stiff,w/sand pockets & shell fragments	CH	23.3											
3	4.5-6		3	Gray,Sand,Very loose,Silty,w/shell fragments	S M						93.5*	90.5	86.8	64.5	28.4		
4	8.5-10	1.00	8	Yellowish gray,Clay,Stiff	CH	29.6											
5	10-12	0.50		Yellowish gray,Clay,Medium stiff,Sandy	CL	23.8											
6	12.5-14		6	Gray,Sand,Loose,Silty,w/shell fragments	S M						99.8	98.2	96.6	73.2	24.0		
7	14.5-16		12	Gray,Sand,Medium dense,Silty,w/shell fragments	S M												
8	18.5-20		1-12*/ 1	Gray,Sand,Very loose,Silty,w/shell fragments	S M						97.9*	96.0	94.2	67.1	33.1		
9	22-24	3.00		Yellowish gray,Clay,Very stiff,w/sand pockets	CH	23.4											
10	24-26	3.75		Reddish brown,Clay,Very stiff,w/sand pockets	CH	24.1											
11	26-28	3.00		Reddish brown,Clay,Very stiff,Silty,w/sand pockets	CL	22.1			49	20							
12	28-30	3.50		Red,Clay,Very stiff,Silty,w/sand pockets	CL	23.8											
13	30-32	3.75		Red,Clay,Very stiff,Silty,w/sand pockets	CL	21.0											
14	32.5-34	1.50	11	Yellowish gray,Clay,Stiff	CH	35.3											
15	34-36	1.75		Yellowish gray,Clay,Stiff,w/shell	CH	38.5											
16	36-38	2.25		Yellowish gray,Clay,Very stiff,w/ferrous stains	CH	32.8											
17	38-40	2.25		Yellowish gray,Clay,Very stiff,w/ferrous stains	CH	35.2											

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

* :Material Retained are Shell fragments

Geotest Engineering, Inc.