U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-223 DATE: BEGIN 12-16-91 PAGE 1 / 12
JOB NO. 146532 COMPLETE _____ Thin Walled Tube
PROJECT Victoria Channel ☑ 3" ☐ 6"
LOCATION " " West Bank - Sta. # 760 rod
ELEVATION OF HOLE _____
MANUFACTURER'S DESIGNATION OF DRILL RIG Maybew 200
GROUNDWATER: DEPTH 1' ft., ELEV. _____ ft., at end of Drilling
WEATHER Cloudy - Cool.
DRILLER S. Ward LOGGER J. Beck

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	25	Gray	Clay	Soft	Sand	w/roots - H2O at 12"
	X	2	WOH	"	"	Very Soft		w/roots (N.R./Barrel)
JAR 5	X	3	WOH	"	"	"		w/roots (N.R./Barrel)
JAR	X	4	WOH	"	Silt	Very Loose	clay	w/shell frag. Si. at 6'
JAR 10	X	5	WOH	"	"	"	"	w/shell frag.
JAR 15	X	6	WOH	"	"	"	"	w/ " "
JAR 20	X	7	1-12"/1	"	"	"	"	w/shell frags
JAR 25	X	8	1/1-12"	"	"	"	"	w/ " "
JAR 30	X	9	1/1-12"	"	"	"	"	w/shell frag
JAR 35	X	10	1/1/1	"	"	"	"	w/shell frag

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PROJECT Victoria Channel ☑ 3" ☐ 6"
LOCATION " " West Bank STA. # 760+00
ELEVATION OF HOLE _____
MANUFACTURER'S DESIGNATION OF DRILL RIG Mayhew 200
GROUNDWATER: DEPTH 1' ft., ELEV. _____ ft., at end of Drilling
WEATHER Cloudy - Cool -
DRILLER S Ward LOGGER J. Berg

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSIS-TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
35								(2-Jar Samples #11 + #11-A)
Jar	X	11	1/3/8	Gray	S/L	med Dense	Clayey	w/c/ Sns. + Sa. at 39½'
40								Bottom of 91-223 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. 91-223

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)	L L (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	0.25		Gray,Clay,Soft,w/roots & sand pockets & shell fragments	CH	50.1											
2	2.5-4	0.00	W.O.H	Gray,Clay,Very soft,w/roots & sand pockets	CH	45.6											
3	4.5-6	0.00	W.O.H	Gray,Clay,Very soft,w/roots & sand pockets	CH	51.5			52	23							
4	6.5-8	0.00	W.O.H	Gray,Clay,Very soft,w/shell fragments & sand pockets	CH	51.0											
5	8.5-10	0.00	W.O.H	Gray,Clay,Very soft,w/shell fragments & sand pockets	CH	48.5											
6	13.5-15		W.O.H	Gray,Silt,Very loose,Sandy,w/shell fragments & clay seams	ML-CL	49.1			22	16							
7	18.5-20		1	Gray,Silt,Very loose,Sandy,w/shell fragments & clay seams	M L	39.0											
8	23.5-25		1	Gray,Silt,Very loose,Sandy,w/shell fragments & clay seams	M L	33.0											
9	28.5-30		1	Gray,Silt,Very loose,Sandy,w/shell fragments & clay seams	M L	39.8			38	27	94.4*	92.9*	90.1	65.1	51.9		
10	33.5-35		2	Gray,Silt,Very loose,Sandy,w/shell fragments & clay seams	M L	39.9											
11	38.5-40		11	Gray,Silt,Medium dense,Sandy,w/clay seams and sand layer at 39.5'	M L	26.1											

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 Reatained are Shell fragments

Geotest Engineering, Inc.