U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-233 DATE: BEGIN 1-24-92 PAGE 1 / 1
JOB NO. 146532 COMPLETE 1-24-92 Thin Walled Tube
PROJECT Victoria Channel ☒ 3" ☐ 6"
LOCATION " " West Bank - Sta 610+00
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG Mayhew 20C
GROUNDWATER: DEPTH 3 ft., ELEV. ____ ft., at end of Drilling
WEATHER P.C. - Warm
DRILLER S. Wood LOGGER J. Berg

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	4.5+	Tan	clay	hard	Sand	
		2	4.5+	Tan Gray	"	"	"	
5		3	4.25	"	"	"	"	
		4	2.0	"	"	Very Stiff	"	
		5	3.75	Gray & Tan	"	very stiff	"	
10		6	2.5	"	"	"	"	
		7	2.5	Gray	clay	soft	Sand	w/root fiber
								Sand at 14'
TSR 15	X	8	1/1/1	Gray	Sand	very Loose		w/black clay (odorless)
JAR	X	9	1/1/1	"	"	"		w/ " "
20								Cl. at 20'
		10	3.75	Tan Gray	clay	very stiff		
		11	3.5	Gray	"	"		
JAR 25	X	12	1/1/2	Tan	clay	soft		w/shell (NR with Barrel)
JAR	X	13	1/2/3	Gray	clay	Medium stiff		slickensided
		14	3.5	"	"	Very Stiff		w/calc nod (large)
30								Bottom of 91-233
								30'
35								

GEOTEST ENGINEERING INC.

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-233

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	4.5+		Yellowish brown,Clay,Hard,Sandy,w/calcareous nodules	C L	24.8											
2	2-4	2.00		Yellowish brown,Clay,Very stiff,w/sand seams & sand pockets	C H	31.7											
3	4-6	3.00		Yellowish brown,Clay,Very stiff,Sandy,w/sand pockets & calcareous nodules	C L	25.0	99.4	124.3	35	16							
4	6-8	2.00		Gray & yellowish brown,Clay,Very stiff,Sandy,w/ sand pockets	C L	25.6											
5	8-10	2.50		Yellowish brown,Clay,Very stiff,Sandy,w/calca-reous nodules ferrous stains & sand seams	C L	26.2											
6	10-12	1.75		Yellowish brown,Clay,Stiff,w/calcareous nodules ferrous stains & sand pockets	C H	32.8											
7	12-14	0.50		Dark gray,Clay,Medium stiff,w/organic material	O H	87.0											
8	14.5-16		3	Gray,Sand,Very loose,Silty,w/shell fragments	S M						99.9*	99.5*	98.6	52.3	27.8		
9	18.5-20		2	Gray,Sand,Very loose,Silty,w/shell fragments	S M												
10	20-22	2.25		Yellowish brown,Clay,Very stiff,w/calcareous nodules & ferrous stains	C H	32.2			75								
11	22-24	3.25		Yellowish brown,Clay,Very stiff,w/calcareous nodules & ferrous stains	C H	28.0											
12	24.5-26	0.25	3	Yellowish brown,Clay,Soft	C H	46.3			72	25							
13	26.5-28	0.50	5	Yellowish brown,Clay,Medium stiff	C H	30.8											
14	28-30	1.25		Yellowish brown,Clay,Stiff	C H	31.2											

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.