

U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-231 DATE: BEGIN 1-17-92 PAGE 1 / 1
 JOB NO. 146532 COMPLETE 1-18-92 Thin Walled Tube
 PROJECT VICTORIA CHANNEL ☒ 3" ☐ 6"
 LOCATION " " West Bank Sta 660+00
 ELEVATION OF HOLE _____
 MANUFACTURER'S DESIGNATION OF DRILL RIG Mayhem 700
 GROUNDWATER: DEPTH Surface ft., ELEV. _____ ft., at end of Drilling
 WEATHER Cloudy - Cool - Rain
 DRILLER S. Ward LOGGER J. Reed

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0								
TAR 0	X 1	W.O.H.		Gray	Silt	Very loose		w/Roots
TAR 5	X 2	W.O.H.		"	Sand	"		w/shell frag
TAR 10	X 3	W.O.H.		Gray	"	"		w/ " "
TAR 15	X 4	W.O.H.		"	Sand	"		w/ " "
	5	1.5		Gray	Clay	Stiff		w/shell frag. Cl. at 18'
-20	6	4.0		Tan	"	very stiff		
	7	4.0		"	"	"		
-25	8	2.0		"	Clay	very stiff		Damaged
	9	1.5		Tan	"	stiff		w/shell frag
	10	2.25		"	"	very stiff		w/ " "
-30								Bottom of 91-231 30'
								W.O.H: weight of Hammer
-35								

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-231

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 (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0.5-2		W.O.H	Gray,Sand,Very loose,Silty,w/roots & shell fragments	S M												
2	3.5-5		W.O.H	Gray,Sand,Very loose,Silty,w/shell fragments	S M						100.0	98.3	95.6	73.5	27.2		
3	8.5-10		W.O.H	Gray,Sand,Very loose,Silty,w/shell fragments	S M												
4	13.5-15		W.O.H/ 12"/1	Gray,Sand,Very loose,Silty,w/shell fragments	S M												
5	18-20	2.75		Yellowish gray,Clay,Very stiff,w/shell fragments and ferrous stains	CH	37.4											
6	20-22	2.50		Yellowish gray,Clay,Very stiff,w/shell fragments ferrous stains & calcareous nodules	CH	33.8			86	30							
7	22-24	3.00		Yellowish brown,Clay,Very stiff,w/calcareous nodules & ferrous stains	CH	26.3											
8	24-26	3.00		Olive gray,Clay,Very stiff,w/calcareous nodules and ferrous stains	CH	35.6											
9	26-28	2.00		Olive gray,Clay,Very stiff,w/calcareous nodules and ferrous stains	CH	29.4											
10	28-30	2.25		Yellowish brown,Clay,Very stiff,w/calcareous nodules & ferrous stains	CH	24.6											

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.