

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-218</u> DATE: BEGIN <u>11-21-91</u> PAGE <u>1 / 2</u> JOB NO. <u>146532</u> COMPLETE <u>11-21-91</u> Thin Walled Tube PROJECT <u>VICTORIA CHANNEL</u> ☒ 3" ☐ 6" LOCATION <u>West Bank - STA #890+00</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Mayhew - 200</u> GROUNDWATER: DEPTH <u>5'6"</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>P.C. - Cool - Windy</u> DRILLER <u>S. Ward</u> LOGGER <u>J. Beck</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1	3.25	Tan GRAY	Clay	very stiff	Sand w/Roots			
	2	2.0	"	"	very stiff	w/Roots + Sa. Sm. s			
5	3	4.5+	GRAY TAN	"	HARD	" w/SA PKTS + Sm. s.			
	4	4.5+	Tan GRAY	"	"	"			
	5	3.5	"	"	very stiff	"			
10	6	7 11/16	Tan	Sand	med. dense	Sa at 10'			
15	7	11 13/16	Tan	"	Dense				
20	8	8 1/4	Tan	Sand	Dense				
	9	4.5+	GRAY + TAN	Clay	hard	cl at 19' w. cal. nod			
	10	4.5+	"	"	"				
25	11	4.5+	"	"	"	w/cal. nod			
	12	4.5+	"	"	"				
	13	4.5+	"	"	"	w/cal. nod			
30	14	4.5+	"	"	"	w/cal. nod			
	15	4.5+	"	"	"	w/cal. nod			
35	16	4.5+	"	"	"	w/cal. nod			

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				COLOR	MATERIAL TYPE	CONSIS- TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS		
35										
	X	17	7/12/16	Tan	Sand	Med Dense				Start 36'
	X	18	10/16/23	"	"	Dense				
40										Bottom of 91-218 @ 40'
45										
50										
55										
60										
65										
70										

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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-218

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	2.50		Gray,Clay,Very stiff,Sandy,w/roots & gravel	CL	15.5											
2	2-4	2.00		Gray & brown,Clay,Very stiff,Sandy,w/sand seams & sand pockets	CL	20.2											
3	4-6	4.5+		Yellowish brown,Clay,Hard,Sandy,w/sand seams	CL	15.0	116.4	133.9	49	20							
4	6-8	4.5+		Gray,Clay,Hard,Sandy,w/sand seams & sand pockets	CL	19.9											
5	8-10	4.5+		Yellowish gray,Clay,Hard,Sandy,w/sand pockets and sand layer	CL	18.0											
6	10.5-12		27	Gray,Sand,Medium dense,Silty	S M												
7	13.5-15		46	Gray,Sand,Dense,Silty	SP-SM						100.0	100.0	97.4	21.9	5.4		
8	18.5-20		30	Gray,Sand,Dense,Silty,w/clay layer	S M												
9	20-22	4.5+		Yellowish gray,Clay,Hard,w/calcareous nodules & ferrous stains,slickensided	CH	23.3											
10	22-24	4.5+		Yellowish gray,Clay,Hard,w/calcareous nodules & ferrous stains,slickensided	CH	22.7	105.8	129.7	74	25							
11	24-26	4.5+		Yellowish gray,Clay,Hard,w/calcareous nodules & ferrous stains,slickensided	CH	23.9											
12	26-28	4.5+		Yellowish gray,Clay,Hard,w/calcareous nodules & ferrous stains,slickensided	CH	20.1											
13	28-30	4.5+		Yellowish gray,Clay,Hard,Sandy,w/calcareous nodules & ferrous stains,slickensided	CL	16.3											
14	30-32	4.5+		Yellowish gray,Clay,Hard,Sandy,w/calcareous nodules & ferrous stains,slickensided	CL	16.0											
15	32-34	4.5+		Yellowish gray,Clay,Hard,Sandy,w/calcareous nodules & ferrous stains,slickensided	CL	17.3											
16	34-36	4.5+		Yellowish gray,Clay,Hard,Sandy,w/calcareous nodules & ferrous stains,slickensided	CL	20.3											
17	36.5-38		28	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.

SUMMARY OF LABORATORY TEST RESULTS

[illegible]

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