

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-242</u>	DATE: BEGIN <u>8-9-91</u>	PAGE <u>1</u> / <u>1</u>
					JOB NO. <u>146444</u>	COMPLETE <u>8-9-91</u>	Thin Walled Tube
					PROJECT <u>G. I. W. W.</u>	☒ 3" ☐ 6"	
					LOCATION <u>Sargeant Beach</u>		
					ELEVATION OF HOLE		
					MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Falling-26</u>		
					GROUNDWATER: DEPTH <u>3</u> ft., ELEV. <u>6.3</u> ft., at end of Drilling		
					WEATHER <u>P.C. - Hot</u>		
					DRILLER <u>R. Tankersley</u>	LOGGER <u>A. R. G.</u>	
COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1	1.75	Tan clay	Snff	Sand	w/roots	
	2	1.75	"	"			
5	3	1.5	"	"			
	4	1.25	Gray	"			
	5	.5	"	med stiff			
10	6	W.O.H.	"	Very soft		W.O.H: weight of Hammer	
JAR	7	W.O.H.	"	"			
JAR	8	W.O.H.	"	"			
JAR	9	W.O.H.	"	"			
	10	.5	Gray	med stiff	Sand		
	11	.5	"	"	Sand		
20	12	1 1/2	Gray	Very Loose		SA. AT 22	
JAR							
	13	1.0	Gray	Stiff		CL. AT 28"	
30	14	1.0	"	"			
	15	1.0	"	"			
	16	1.0	"	"			
35							

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-242

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	1.50		Dark gray, Clay, Stiff, w/ Sand pockets & roots	CH	30.9											
2	2-4	1.25		Dark gray, Clay, Stiff	CH	37.4											
3	4-6	1.50		Brown, Clay, Stiff, w/ Roots, calcareous & ferrous nodules	CH	37.9	83.0	114.4	67	31	100.0	100.0	99.2		97.5		0.92
4	6-8	0.75		Gray, Clay, Medium stiff, w/ Calcareous & ferrous nodules	CH	38.5											
5	8-10	0.75		Gray, Clay, Medium stiff	CH	47.8										0.35	
6	10.5-12		W.O.H.	Gray, Clay, Very soft	CH	56.0			64	26	100.0	100.0	100.0		95.4		
7	12.5-14		W.O.H.	Gray, Clay, Very soft	CH	51.0											
8	14.5-16		W.O.H.	Gray, Clay, Very soft	CH	52.9											
9	16.5-18		W.O.H.	Gray, Clay, Very soft	CH	56.3			55	23	100.0	100.0	100.0		93.7		
10	18-20	0.25		Gray, Clay, Soft, w/ Sand seams	CH	44.1	72.4	104.3	69	23	100.0	100.0	100.0		93.1	0.15	0.12
11	20-22	0.25		Gray, Clay, Soft, w/ Sand seams	CH	61.5										0.15	
12	22.5-24		3	Tan, Sand, Very loose, w/ Silt	SP						100.0	100.0	100.0		4.2		
13	28-30	1.25		Brown, Clay, Stiff	CH	49.6											
14	30-32	1.00		Brown, Clay, Stiff	CH	48.4	74.2	110.1	79	28	100.0	99.8	99.4		97.1		0.80
15	32-34	0.75		Gray & dark gray, Clay, Medium stiff, w/ Organic material	CH	82.1											
16	34-36	0.75		Gray, Clay, Medium stiff	CH	48.0											

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