

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-250</u> DATE: BEGIN <u>8-10-91</u> PAGE <u>1 1 1</u> JOB NO. <u>146494</u> COMPLETE <u>8-10-91</u> Thin Walled Tube PROJECT <u>GFWW</u> ☒ 3" ☐ 6" LOCATION <u>Sargent Beach</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Falling - 36</u> GROUNDWATER: DEPTH <u>3</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>D.C. - Hot</u> DRILLER <u>R. Tankersley</u> LOGGER <u>J. Reed</u>						
				COLOR	MATERIAL TYPE	CONSIS- TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS		
0										
		1	7.5	Gray	clay	very stiff	Sand			
		2	.75	"	"	med stiff	"			
5		3	1.0	"	"	stiff	Silt			
		4	.5	"	"	med stiff	Silt			
		5	1.25	"	"	stiff	"			
10		6	1.5	Tan Gray	ly	"	"			
		7	1.25	Tan	"	"	"			
15		8	1.75	"	"	"	"			
		9	1.25	"	"	"	Silt			
		10	.5	Tan	"	med stiff	Silt			
20		11	.75	"	"	"	"			
		12	1.0	"	"	stiff	"			
25		13	.75	"	"	med stiff	"			
		14	.5	"	"	"	"			
		15	.75	"	"	"	"			
30										

Bottom of 91-250
30'

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-250

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	1.00		Brown, Clay, Stiff	CH	35.5											
2	2-4	0.50		Gray & yellowish brown, Clay, Medium stiff, w/ large sand pockets <i>soft</i>	CH	26.5	90.9	115.0	51								
3	4-6	0.75		Gray & yellowish brown, Clay, Medium stiff	CH	27.3											
4	6-8	0.75		Brown & gray, Clay, Medium stiff, w/ Ferrous nodules & blocky structure	CH	50.2	69.2	103.9	80	30	100.0	99.9	99.4		98.0	0.35	0.26
5	8-10	0.75		Brown & gray, Clay, Medium stiff	CH	45.0											
6	10-12	1.00		Red & gray, Clay, Stiff	CH	40.5											
7	12-14	1.25		Red, Clay, Stiff	CH	42.3											
8	14-16	1.25		Red, Clay, Stiff	CH	39.3											
9	16-18	1.00		Red, Clay, Stiff, w/ Sand pockets	CH	39.0											
10	18-20	1.25		Brown, Clay, Stiff, Silty	CL	29.1	95.6	123.4	35	20	100.0	100.0	100.0		100.0	0.25	0.41
11	20-22	0.50		Brown, Clay, Medium stiff, Silty <i>soft</i>	CL	26.9											
12	22-24	1.00		Red, Clay, Stiff	CH	31.0											
13	24-26	0.50		Red, Clay, Medium stiff, Silty <i>soft</i>	CL	28.6											
14	26-28	0.25		Red, Clay, Soft	CH	42.2										0.10	
15	28-30	0.25		Red & brown, Clay, Soft	CH	48.7											

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