

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-248</u> DATE: BEGIN <u>8-9-90</u> PAGE <u>1 / 1</u> JOB NO. <u>146494</u> COMPLETE <u>8-9-91</u> Thin Walled Tube ☒ 3" ☐ 6" PROJECT <u>G.I. WW</u> LOCATION <u>Sargent Beach</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Fairing-36</u> GROUNDWATER: DEPTH <u>3</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>P.C. - Hot</u> DRILLER <u>R. Tankersley</u> LOGGER <u>J. Beck</u>				
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1	1.0	TAN	clay	Stiff	w/roots			
	2	1.5	GRAY	"	"				
5	3	1.5	TAN	"	med stiff				
	4	1.0	"	"	Stiff				
	5	1.25	"	"	"				
10	6	1.5	"	"	"				
	7	1.25	"	"	"				
15	8	1.25	"	"	"				
	9	1.5	"	"	med stiff				
	10	1.0	"	"	Stiff				
20	11	1.0	"	"	"				
	12	1.75	"	"	med stiff				
25	13	1.75	"	"	"				
	14	1.0	GRAY	"	Stiff				
	15	1.25	GRAY	"	"				
30	16	1.25	TAN	"	"				

B. Horn of 91-248
30'

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-248

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	1.25		Brown & gray, Clay, Stiff, w/Roots	CH	28.9											
2	2-4	1.50		Dark gray, Clay, Stiff	CH	30.8											
3	4-6	1.25		Brown & gray, Clay, Stiff, w/Ferrous stains	CH	43.8	72.7	104.6	77	30	100.0	100.0	99.6		98.8	0.30	
4	6-8	0.75		Brown & gray, Clay, Medium stiff	CH	50.0											
5	8-10	1.25		Brown & gray, Clay, Stiff	CH	46.3											
6	10-12	1.50		Brown & gray, Clay, Stiff	CH	40.6											
7	12-14	1.00		Brown & gray, Clay, Stiff	CH	36.9	83.4	114.1	73								
8	14-16	1.25		Brown, Clay, Stiff	CH	26.2											
9	16-18	0.50		Brown, Clay, Medium stiff <i>Soft</i>	CH	55.4										0.35	
10	18-20	0.50		Brown, Clay, Medium stiff <i>Soft</i>	CH	47.8											
11	20-22	0.75		Brown, Clay, Medium stiff	CH	46.8											
12	22-24	0.75		Brown & gray, Clay, Medium stiff, w/Blocky structure	CH	45.9	73.7	107.6	79	30	100.0	99.9	99.5		98.2	0.30	0.34
13	24-26	0.50		Brown, Clay, Medium stiff <i>Soft</i>	CH	35.4											
14	26-28	0.50		Gray & dark gray, Clay, Medium stiff, w/Organic material <i>Soft</i>	CH	70.8											
15	28-30	0.25		Brown, Clay, Soft, w/Sand parting	CH	59.6											

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