

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-252</u> DATE: BEGIN <u>9-7-91</u> PAGE <u>1/1</u>				
					JOB NO. <u>146494</u> COMPLETE <u>9-7-91</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>Tailing-36</u>				
					GROUNDWATER: DEPTH <u>3</u> ft., ELEV. _____ ft., at end of Drilling				
					WEATHER <u>P.C. - Hgt</u>				
					DRILLER <u>R. Tankersley</u> LOGGER <u>J. Berg</u>				
					COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0									
	1	1.25	TAN	Clay	Stiff				w/roots
	2	.5	GRAY	"	med stiff				
5	3	.5	"	"	"				
	4	.5	TAN	"	"				
	5	1.25	"	"	Stiff				
10	6	1.5	TAN GRAY	"	"				
	7	1.5	"	"	"				
15	8	1.0	TAN	Clay	"				
	9	1.5	"	"	"				
	10	1.0	GRAY	"	"				
20	11	1.0	TAN	"	"				
	12	.5	GRAY	"	med stiff				
25	13	2.0	"	"	Stiff				
	14	2.25	"	"	Very stiff				
	15	2.25	"	"	"				
30	Bottom of 91-252 30'								

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-252

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		Brown, Clay, Stiff, w/Roots & sand pockets	CH	39.9											
2	2-4	1.75		Dark gray, Clay, Stiff	CH	21.8											
3	4-6	1.00		Gray & yellowish brown, Clay, Stiff, w/Ferrous nodules	CH	32.6	87.3	115.8	54	20	100.0	99.9	99.7		94.0	0.40	0.44
4	6-8	0.75		Brown & gray, Clay, Medium stiff, w/Blocky structure	CH	42.4										0.40	
5	8-10	1.00		Brown & gray, Clay, Stiff, w/Blocky structure	CH	48.7										0.40	
6	10-12	1.25		Brown & gray, Clay, Stiff, Silty, w/Ferrous stains	CL	38.8											
7	12-14	1.25		Brown & gray, Clay, Stiff, Silty, w/Ferrous nodules	CL	38.3	82.8	114.6	35	18	100.0	99.9	99.7		98.7		0.78
8	14-16	1.00		Brown & gray, Clay, Stiff, Silty, w/Ferrous stains	CL	31.5											
9	16-18			Brown, Sand, Loose, Silty	S M	23.5											
10	18-20	1.00		Brown & gray, Clay, Stiff, w/Ferrous stains	CH	42.8											
11	20-22	0.75		Brwon & gray, Clay, Medium stiff	CH	50.6											
12	22-24	0.75		Gray, Clay, Medium stiff, w/Blocky structure & Ferrous nodules	CH	56.8	66.4	104.1	80								0.36
13	24-26	0.75		Dark gray, Clay, Medium stiff	CH	32.5											
14	26-28	2.00		Dark gray, Clay, Very stiff	CH	28.1											
15	28-30	2.25		Olive gray, Clay, Very stiff, w/Ferrous stains & Calcareous nodules	CH	26.4											

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