

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91-262</u> DATE: BEGIN <u>8-6-91</u> PAGE <u>1 1 1</u> JOB NO. <u>444494</u> COMPLETE <u>8-6-91</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>Buggy</u> GROUNDWATER: DEPTH <u>2'</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>P.C. - Hot</u> DRILLER <u>R. Tankersley</u> LOGGER <u>J. Begg</u>				
						COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	.5			TAN	CLAY	Medium Stiff	SAND	
		2	.5			TAN GRAY	"	"	"	
5		3	.5			"	"	"	"	
		4	.5			"	"	"	"	
		5	1.25			GRAY	"	Stiff	"	
10		6	.5			GRAY	CLAY	Medium Stiff	Silt	
		7	.5			"	"	"	"	
15		8	.5			TAN GRAY	"	"	"	
		9	1.25			GRAY	"	Stiff	"	
		10	1.0			GRAY TAN	"	"	"	
20		11	1.5			"	"	Stiff	"	
		12	2.5			"	"	Very Stiff	"	w/calc. nod
25		13	2.75			Tan GRAY	"	"	"	w/calc Nod.
										B. Hon of 91-262 26'

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-262

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	0.25		Brown, Clay, Very soft, w/Ferrous stains	CH	35.4										0.10	
2	2-4	0.25		Gray & dark gray, Clay, Soft	CH	40.5										0.10	
3	4-6	0.50		Gray, Clay, Medium stiff <i>soft</i>	CH	38.3	81.1	112.2	53	20	100.0	100.0	99.9		91.3	0.10	0.15
4	6-8	0.25		Gray & brown, Clay, Soft	CH	34.8										0.10	
5	8-10	0.50		Gray & yellowish brown, Clay, Medium stiff <i>soft</i>	CH	39.4											
6	10-12	0.50		Gray & yellowish brown, Clay, Medium stiff <i>soft</i>	CH	41.1										0.20	
7	12-14	0.50		Gray & dark gray, Clay, Medium stiff <i>soft</i>	CH	44.4	76.1	109.8	54	21	100.0	100.0	100.0		94.6	0.20	0.20
8	14-16	0.50		Brown, Clay, Medium stiff <i>soft</i>	CH	39.0										0.20	
9	16-18	1.00		Gray, Clay, Stiff	CH	37.7											
10	18-20	0.50		Gray & brown, Clay, Medium stiff <i>soft</i>	CH	42.8											
11	20-22	0.50		Olive gray & gray, Clay, Medium stiff <i>soft</i>	CH	45.8	71.6	104.3	86		100.0	99.8	99.5		97.8		
12	22-24	1.00		Olive gray & brown, Clay, Stiff, w/Calcareous nodules	CH	46.0											
13	24-26	2.00		Brown & gray, Clay, Very stiff, w/Calcareous nodules	CH	42.7											

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