U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-240 DATE: BEGIN 8-9-91 PAGE 1 / 1
JOB NO. 146494 COMPLETE 8-9-91 Thin Walled Tube
PROJECT G.I.W.W. ☒ 3" ☐ 6"
LOCATION Bargent Beach
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG Failing 36
GROUNDWATER: DEPTH 3 ft., ELEV. ____ ft., at end of Drilling
WEATHER P.C. -1-10 F
DRILLER R. Tankersley LOGGER J. Berg

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	4.5+	Tan	clay	hard	Sand	w/Roots
		2	3.75	"	"	very stiff		
5		3	2.5	Gray	"	"		
		4	2.0	"	"	"		
		5	2.+	TAN & GRAY	"	"		
10		6	2.0	"	"	"		
		7	1.75	TAN	"	Stiff		
15		8	2.25	"	"	very stiff		
		9	1.25	TAN	"	Stiff	Silt	
		10	1.5	"	"	"	"	
20		11	1.2	"	"	"	"	
		12	1.25	"	"	"	"	
25	X	13	S/T/8	Tan	Sand	Med Dense		Sa at 24'
		14	1.0	Gray	"	Stiff		Cl. at 28'
30		15	1.0	"	"	"		
		16	.5	"	"	med stiff		
35		17	.5	"	"	"		
								Bottom of 91-240

Project: Gulf Intracostal Waterway near Sargeant Beach, Texas
Contract No. DACW64-91-D-001, Delivery Order No. 0022

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-240

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)	L L (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	4.5+		Dark gray,Clay,Hard,w/Roots	CH	19.4											
2	2-4	3.00		Dark gray,Clay,Very stiff,w/Calcareous nodules	CH	24.2											
3	4-6	2.25		Gray & brown,Clay,Very stiff,w/Calcareous & ferrous nodules	CH	29.5											
4	6-8	1.75		Gray & brown,Clay,Stiff,w/Calcareous & ferrous nodules	CH	33.1	88.8	118.1	64	27	100.0	99.6	98.4		93.8		
5	8-10	1.50		Brown & gray,Clay,Stiff,w/Calcareous & ferrous nodules	CH	36.0											
6	10-12	1.50		Brown & gray,Clay,Stiff,w/Calcareous & ferrous nodules	CH	32.7											
7	12-14	1.50		Brown & gray,Clay,Stiff,w/Calcareous & ferrous nodules	CH	40.8											
8	14-16	1.50		Brown & gray,Clay,Stiff,w/Calcareous nodules	CH	40.1											
9	16-18	1.00		Brown,Clay,Stiff,w/Ferrous nodules	CH	39.1											
10	18-20	0.75		Brown,Clay,~~Stiff~~ Medium,Silty	CL	32.3	91.0	120.4	35	20	100.0	100.0	100.0		100.0		
11	20-22	0.75		Brown,Clay,Medium ~~stiff~~,Silty	CL	28.3											
12	22-24	1.50		Brown,Clay,~~Medium~~ stiff,Silty	CL	34.2											
13	24.5-26		15	Tan,Sand,Medium dense,Silty	S M	29.5					100.0	100.0	100.0		39.9		
14	28-30	0.50		Gray & dark gray,Clay,~~Medium stiff~~ Soft,w/Organic material	CH	71.3											
15	30-32	0.50		Gray & dark gray,Clay,~~Medium stiff~~ Soft,w/Organic material	CH	61.2											
16	32-34	0.50		Gray & dark gray,Clay,~~Medium stiff~~ Soft,w/Organic material	CH	62.9											
17	34-36	0.50		Gray & dark gray,Clay,~~Medium stiff~~ Soft,w/Organic material	CH	65.3											

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