U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91207 DATE: BEGIN 7-12-91 PAGE 1 of 2
JOB NO. 14C490 # COMPLETE 7-13-91 Thin Walled Tube ☒ 3" ☐ 6"
PROJECT GIWW
LOCATION SARGENT BEACH.
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG F-36
GROUNDWATER: DEPTH 3 ft., ELEV. ____ ft., at end of Drilling
WEATHER PARTLY CLOUDY
DRILLER ROBERT TANKERSLEY LOGGER JOHN A. GENTRY

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	0.75	BROWN	CLAY	MEDIUM STIFF		w/ SAND LAYERS & POCKETS 0-2'
		2	1.5	BROWN	CLAY	STIFF		& GRAY
5		3	1.75	"	"	"		
		4	1.25	BROWN	"	"		w/ SAND SEAMS 6-8' & GRAY
		5	1.5	"	"	"		
10		6	0.5	BROW	CLAY	MEDIUM STIFF	SILTY	VC
		7	0.5	"	"	"	"	2.5
15		8	1.0	"	"	STIFF	"	VC — Limit of Recovery
		9	1.5	"	"	"	"	w/ CLAY LAYER 17-18'
		10	2.0	BROWN	CLAY	VERY STIFF		& GRAY VC
20		11	2.0	"				
		12	1.5	"		STIFF		w/ SILT POCKETS 22-28
25		13	1.0					VC
		14	1.0	"	"	"		
		15	1.25	BROWN	"	STIFF		w/ SILT LAYER 29-32'
30		16	"	"	"	SOFT		
		17	0.5	BROWN	"	MEDIUM STIFF		VC w/ SHELL FRAGMENTS 32-33' & GRAY
35		15	0.5	BROWN	"	"		

Submitted (No.)

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GEOTEST ENGINEERING, INC.

U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91207 DATE: BEGIN 7-13-91 PAGE 2 12
JOB NO. 14G490 COMPLETE 7-13-91 Thin Walled Tube
PROJECT GIWW ☒ 3" ☐ 6"
LOCATION SARGENT BEACH
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG F36
GROUNDWATER: DEPTH 3 ft., ELEV. ____ ft., at end of Drilling
WEATHER PARTLY CLOUDY
DRILLER ROBERT TANKERSLE, LOGGER JOHN F. GENTRY

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
35				BROWN	CLAY	MEDIUM STIFF		
		16	0.5	"	"	"		
		17	0.5	"	"	"		
40		18	0.5	"	"	"		
		19	0.5	"	"	"		
		20	0.5	BROWN	CLAY	"		GRAY
45		21	0.5	"	"	"		
		22	0.5	"	"	"		-W/SHELL FRAGMENTS 48-49
		23	0.5	"	"	"		
50		24	0.5	"	"	"		
		25	1.0	BROWN	CLAY	STIFF		* GRAY - W/SHELL FRAGMENTS
		26	1.0	"	"	"		UC
55		27	1.0	"	"	"		
								BOTTOM OF 91207

GEOTEST ENGINEERING, INC.

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. 91-207

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	0.50		Dark brown,Clay,~~Medium stiff~~ Soft	C H	39.8											
2	2-4	1.25		Dark brown,Clay,Stiff,w/Ferrous stains	C H	29.4											
3	4-6	1.50		Dark brown & gray,Clay,Stiff,w/Ferrous stains	C H	31.4											
4	6-8	1.25		Dark gray & brown,Caly,Stiff,w/Silt pockets	C H	42.9											
5	8-10	1.25		Dark gray & brown,Clay,Stiff	C H	36.4										0.45	
6	10-12	0.50		Reddish brown,Clay,~~Medium stiff~~,Silty, W/Calcareous nodules & ferrous stains	C L	27.1	96.1	122.2	35	17	99.3	98.2	97.7		95.0	0.25	0.34
7	12-14	1.00		Reddish brown,Clay,Stiff,Silty,w/Calcareous nodules & ferrous stains	C L	29.5										0.30	
8	14-16	0.75		Reddish brown,Clay,Medium ~~stiff~~,Silty	C L	27.4	94.7	120.7	34	18	100.0	100.0	99.9		99.1	0.25	0.56
9	16-18	1.00		Reddish brown,Clay,Stiff,Silty,w/Ferrous stains	C L	27.4											
10	18-20	1.50		Reddish brown,Clay,Stiff,w/Ferrous stains & blocky structure	C H	27.3	94.5	120.4	67	26	100.0	100.0	100.0		99.6		0.74
11	20-22	1.25		Reddish brown,Clay,Stiff,w/Ferrous stains	C H	29.4											
12	22-24	1.25		Reddish brown,Clay,Stiff,w/Ferrous stains	C H	38.7											
13	24-26	1.25		Gray & brown,Clay,Stiff,w/Silt pockets	C H	37.9	82.3	113.5	72	26	99.9	99.8	99.8		99.5		0.54
14	26-28	1.00		Gray & brown,Clay,Stiff,w/Ferrous. stains	C H	38.7											
15	28-30	1.00		Reddish brown,Clay,Stiff,w/Ferrous stains	C H	39.5											
16	30.5-32		2	Reddish brown,Clay,Soft	C H	41.3											
17	32-34	0.25		Reddish brown,Clay,Soft,w/Silt pockets & shell fragments	C H	42.7	75.6	107.9	68	27	100.0	99.9	99.6		93.2		0.14

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

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. 91-207

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		
18	34-36	0.25		Reddish brown,Clay,Soft,w/Silt pockets	CH	36.3											
19	36-38	0.25		Reddish brown,Clay,Soft,w/Ferrous stains	CH	39.8											
20	38-40	0.25		Dark brown,Clay,Soft,w/Shell fragments	CH	39.0											
21	40-42	0.25		Reddish brown,Clay,Soft,w/Shell fragments	CH	43.1											
22	42-44	0.25		Reddish brown,Clay,Soft,w/Shell fragments	CH	51.4											
23	44-46	0.25		Reddish brown,Clay,Soft,w/Silt pockets & shell fragments	CH	49.1	72.7	108.3	71	28	100.0	99.9	99.9		99.3		0.47
24	46-48	0.25		Reddish brown,Clay,Soft,w/Silt pockets & shell fragments	CH	47.3											
25	48-50	0.25		Gray clay,Soft,w/Shell & shell fragments	CH	50.7											
26	50-52	0.50		Reddish brown,Clay,~~Medium stiff~~ Soft,w/Ferrous stains	CH	53.8											
27	52-54	0.50		Reddish brown,Clay,~~Medium stiff~~ Soft,w/Siltpartings & shell fragments	CH	53.1											
28	54-56	0.50		Reddish brown,Clay,~~Medium stiff~~ Soft,w/Silt partings	CH	47.3											
29	56-58	0.75		Reddish brown,Clay,Medium stiff,w/Ferrous stains & blocky structure	CH	46.9	73.6	108.2	90	33	100.0	100.0	99.9		93.7		0.31
30	58-60	1.50		Reddish brown,Clay,Stiff,w/Ferrous stins & blocky structure	CH	46.0											

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
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