U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91268 DATE: BEGIN 07-28-91 PAGE 1 of 1
JOB NO. 146494 COMPLETE 07-28-91 Thin Walled Tube ☑ 3" ☐ 6"
PROJECT CIWW
LOCATION SARGENT BEACH
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG F. 36
GROUNDWATER: DEPTH 4 ft., ELEV. ____ ft., at end of Drilling
WEATHER PARTLY CLOUDY
DRILLER Robert Tenderly LOGGER John A. Henry

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	2.0	BROWN	CLAY	VERY STIFF		-w/ROOT & FERROUS 0-2'
		2	2.0	BROWN	CLAY	VERY STIFF		-w/ROOT, FERROUS & CALCAREOUS NOD 2-4'
5		3	2.0	BROWN	CLAY	VERY STIFF		
		4	1.75	BROWN	CLAY	STIFF		
		5	0.5	BROWN	CLAY	SOFT		& GRAY - w/SAND SEAMS & LAYERS 8'-10'
10		6	0.5	BROWN	CLAY	SOFT		
		7	0.5	BROWN	CLAY	SOFT		& GRAY 12'-14'
		8	0.5	BROWN	CLAY	SOFT		
15		9	0.5	GRAY	CLAY	SOFT		
		10	1.25	GRAY	CLAY	STIFF		
20		11	2.75	REDISH BROWN	CLAY	VERY STIFF		& LIGHT GRAY
		12	2.75	REDISH BROWN	CLAY	VERY STIFF		
25		13	2.25	REDISH BROWN	CLAY	VERY STIFF		
								BOTTOM 91268

Projec Gulf Intracostal Waterway near Sargeant Beach, Texas

Contract No. DACW64-91-D-001, Delivery Order No. 0022

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-268

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	4.00		Brown,Clay,Very stiff,w/Roots	CH	21.6											
2	2-4	1.50		Brown,Clay,Stiff,w/Roots	CH	23.1											
3	4-6	2.25		Brown,Clay,Very stiff,w/Ferrous stains	CH	25.8											
4	6-8	2.00		Brown,Clay,Very stiff,w/Ferrous stains	CH	34.5											
5	8-10	1.25		Gray & yellowish brown,Clay,Stiff,Silty	CL	28.0	90.0	115.2	36	17	100.0	100.0	100.0		90.8	0.30	0.24
6	10-12	0.50		Brown,Clay,~~Medium~~ Soft stiff	CH	36.2										0.30	
7	12-14	0.75		Brown,Clay,Medium ~~stiff~~,w/Ferrous stains	CH	47.1	74.3	109.3	50	19	100.0	100.0	100.0		100.0	0.25	0.31
8	14-16	0.25		Brown,Clay,Soft,w/Ferrous stains	CH	41.9										0.10	
9	16-18	0.25		Gray,Clay,Soft,w/Ferrous stains	CH	59.2	64.1	102.1	61	22	100.0	100.0	100.0		100.0	0.10	0.17
10	18-20	0.25		Gray,Clay,Soft,w/Silt pockets	CH	38.8											
11	20-22	2.25		Red & gray,Clay,Very stiff,w/Calcareous nodules & Blocky structure	CH	36.1											
12	22-24	2.25		Red & gray,Clay,Very stiff,w/Calcareous nodules & ferrous stains	CH	33.7	87.4	116.8	84	31	100.0	100.0	100.0		100.0		1.52
13	24-26	2.25		Red & gray,Clay,Very stiff,w/Calcareous nodules & blocky structure	CH	38.2											

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