

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-272</u> DATE: BEGIN <u>1/1/92</u> PAGE <u>1/1</u>			JOB NO. <u>14C SSI</u> COMPLETE <u>1/1/92</u> Thin Walled Tube		PROJECT <u>GIWW</u>	LOCATION <u>Sargent Beach</u> Sta <u>46+00</u>	ELEVATION OF HOLE	MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Farling CMC</u>	GROUNDWATER: DEPTH <u>6</u> ft., ELEV. <u> </u> ft., at end of Drilling	WEATHER <u>Clear cool</u>	DRILLER <u>D. Gerson</u> LOGGER <u>P. Crowe II</u>
				COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS							
0															
1	1.5			Gray	Clay	stiff	silt		w/roots						
2	2.0			Gray	Clay	stiff	silt		w/roots						
3	2.0			Gray	Clay	stiff	silt		Gray						
4	1.0			Tan	Clay	stiff	silt								
5	1.0			Tan	Clay	stiff	silt								
6	1.5			Tan	Clay	stiff	silt								
7	1.0			Tan	Clay	stiff	silt								
8	1.5			Tan	Clay	stiff	silt								
9	1.5			Tan	Clay	stiff	silt								
10	0.50			Tan	Clay	m. stiff	silt								
11	0.75			Tan	Clay	m. stiff	silt								
12	W.O.P.			Tan	Sand	Very loose	silt								
13	0.25			Tan	silt	loose	clay								
14	0.50			Gray	Clay	m. stiff	silt								
15	0.50			Gray	Clay	"	silt								
16								Bottom of 91-272 @ 30'							
17								W.O.P.: weight of pipe							
18															
19															
20															
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Project : Gulf Intracoastal Waterway, near Sargent Beach, Texas
Contract No. DACW64-92-D-0001 Delivery No. 0005

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-272

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	1.75		Dark brown,Clay,Stiff,w/sand pockets	CH	24.0											
2	2-4	1.50		Gray,Clay,Stiff	CH	34.2			65	26							
3	4-6	1.00		Brown,Clay,Stiff	CH	40.1											
4	6-8	0.75		Brown,Clay,Medium stiff	CH	42.9											
5	8-10	1.00		Dark brown,Clay,Stiff	CH	38.9											
6	10-12	1.50		Brown,Clay,Stiff,w/blocky structure	CH	36.2			83	32							
7	12-14	1.50		Brown,Clay,stiff	CH	39.2											
8	14-16	1.25		Brown,Clay,Stiff,w/blocky structure,slickensided	CH	40.5											
9	16-18	1.50		Brown,Clay,Stiff,w/blocky structure,slickensided	CH	43.1											
10	18-20	0.50		Brown,Clay,Medium stiff,Silty	CL	28.6										0.25	
11	20-22	0.50		Brown,Clay,Medium stiff,w/sand pockets,slickensided	CH	35.5										0.25	
12	22-24		W.O.P	Brown,Silt,Very loose,Sandy	M L	31.5					100.0	100.0	100.0	99.6	84.8		
13	24-26	1.25		Brown,Clay,Stiff,Sandy,w/sand pockets	CL	24.9										0.50	
14	26-28	0.50		Gray,Clay,Medium stiff	CH	64.9										0.25	
15	28-30	0.25		Brownish gray,Clay,Soft	CH	47.2										0.12	

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