

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91-281</u> DATE: BEGIN <u>12/31/91</u> PAGE <u>111</u>			JOB NO. <u>146531</u> COMPLETE <u>12/31/91</u> Thin Walled Tube		PROJECT <u>Sargent bench C-1414</u> ☒ 3" ☐ 6"	LOCATION <u>Sargent bench Sta 114</u>	ELEVATION OF HOLE _____	MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Trilling CDF 2</u>	GROUNDWATER: DEPTH <u>2</u> ft., ELEV. _____ ft., at end of Drilling	WEATHER <u>cool cloudy</u>	DRILLER <u>D. Gargan</u> LOGGER <u>P. C. Howell</u>
				COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS							
0															
1		0.25		Tan	clay	soft	silt	w/ sand seams							
2		0.25		Tan	clay	soft	silt	w/ sand seams							
5		0.50		Gray	clay	medium stiff	silt	w/ sand seams at 5 ft							
4		0.75		Gray	clay	M/stiff	silt	w/ sand seams at 7 ft							
10		0.25		Gray	clay	M/stiff	silt	Tan TV							
6		0.50		Tan	clay	M/stiff	silt	Gray							
7		1.0		Tan	clay	stiff	silt	Gray							
15		1.0		Tan	clay	stiff	silt	Gray							
8		2.0		Tan	clay	stiff	silt	Gray							
10		1.5		Tan	clay	stiff	silt	Gray							
20		2.0		Tan	clay	stiff	silt	w/silt seams							
11		2.0		Tan	clay	stiff	silt	w/silt seams							
12		2.0		Tan	clay	stiff	silt	w/silt seams							
25		2.0		Tan	clay	stiff	silt	w/silt seams							
13		2.0		Tan	clay	stiff	silt	w/silt seams							
				Bottom of 91-281 @ 26'											
30															
35															

Project : Gulf Intracoastal Waterway, near Sargent Beach, Texas
Contract No. DACW64-92-D-0001 Delivery No. 0005

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-281

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 (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	1.00		Brown,Clay,Stiff	CH	36.0										0.40	
2	2-4	1.00		Brown,Clay,Stiff,w/sand pockets	CH	32.6			54	22						0.35	
3	4-6	1.25		Brown,Clay,Stiff	CH	34.7										0.45	
4	6-8	1.25		Brown,Clay,Stiff,w/sand seams	CH	32.5			65							0.45	
5	8-10	1.00		Brown,Clay,Stiff	CH	45.7										0.40	
6	10-12	1.00		Brown,Clay,Stiff	CH	46.3										0.40	
7	12-14	2.25		Brown,Clay,Very stiff	CH	38.7											
8	14-16	2.50		Brown,Clay,Very stiff	CH	35.6											
9	16-18	2.50		Brown,Clay,Very stiff	CH	34.9			52	21							
10	18-20	3.00		Brown,Clay,Very stiff	CH	28.3											
11	20-22	2.50		Brown,Clay,Very stiff,w/silt parting	CH	30.9											
12	22-24	2.50		Brown,Clay,Very stiff,w/silt parting	CH	39.5											
13	24-26	2.50		Brown,Clay,Very stiff,w/silt parting	CH	42.4			77								

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