

REVIEWED BY LAADATE 3/13/95REVIEWED BY gpcDATE 2/14/95

SUMMARY OF QUESTIONABLE
ERRONEOUS OR MISSING DATA
FOR

CONTRACT NO. DACW64-94-C-0040

PROJECT: SOILS TESTING, HOUSTON-GALVESTON NAVIGATION CHANNEL

BORING NO.	SAMPLE NO.	COMMENTS ON DRILLING RESULTS
93-82	5, 7	Torvane results given, samples sent to SWD → TORVANE WERE DONE IN THE FIELD
93-83	7, 11, 13 23	Torvane results given, samples sent to SWD Unconfined results recorded on lab summary sheet as .97 on test report sheet as .98
93-85	27	MC ordered, not performed
93-88	6	PP results not given, Unconfined results lab summary sheet as .12 on test report as .11
93-89	2	Blow counts indicate loose instead of very loose ✓
93-93	4	PP (.25) indicates soft instead of medium ✓
93-96	4	Unconfined results recorded on lab summary as .15 on test ✓ report .36
	18	Blow counts given, not recorded on field logs

Corrected on my copy 15

13

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28

419-5689

U.S. ARMY CORPS OF ENGINEERS

BORING NO. <u>93-82</u>		DATE: BEGIN <u>7/26/94</u>		PAGE <u>2</u> / <u>2</u>				
JOB NO. <u>946783.1</u>		COMPLETE <u>7/26/94</u> Thin Walled Tube						
PROJECT <u>Houston-Galveston Navigation Channel</u>		☒ 3" ☐ 6"						
LOCATION _____								
ELEVATION OF HOLE _____								
MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Arco K4XU, C-1000 Marsh Buggy</u>								
GROUNDWATER: DEPTH <u>1</u> ft., ELEV. _____ ft., at end of Drilling								
WEATHER <u>Sunny & Hot</u>								
DRILLER <u>Scott Grogan</u> LOGGER <u>H. Jeffri</u>								
DEPTH	SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
35								
	X 15	3/4/5		Gray	SAND	Loose	SILTY	SA CLAY AT 39'
40								
	X 16	0.00/0.08		Gray	Clay	V. Soft	SANDY	SAND AT 41'
	X 17	6/8/14		Gray	SAND	M. Dense	SILTY	
45								
	X 18	4/8/15		Gray	SAND	M. Dense	SILTY	
50								
	X 19	3.25		Gray	Clay	V. Stiff	SANDY	
	X 20	3.5		Gray	Clay	V. Stiff	SANDY	SAND AT 54'
55								
	X 21	8/13/15		Gray	SAND	M. Dense	SILTY	
60								
	X 22	10/5/18		Gray	SAND	DENSE	SILTY	
65								
70								

Torvane Reading

0.4

Project: Galveston-Galveston Navigation Channel

SUMMARY OF LABORATORY TEST RESULTS

Contract No. DACW64-94-C-0040Boring No. 93-82

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	Mc (%)	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			Brown,Sand,Medium dense,Silty,w/shell fragments and gravel	S M												
2	2-3.5		21	Brown,Sand,Medium dense,Silty,w/shell fragments and gravel	S M												
3	4 - 6	0.00		Brown,Clay,Very soft,Silty,w/shell fragments	C L	51.2											
4	6 - 8	0.00		Gray,Clay,Very soft,Silty	C L	27.8	99.1	126.7	29	18	99.6	99.5	99.4	98.6	91.8		0.14
5	8 - 10	0.00		Gray,Clay,Very soft,Sandy <i>See SWD Report 16162 DS</i>	C L	26.4	99		24	15						0.01	
6	10 - 12	0.00		Gray,Clay,Very soft,Silty,w/shell fragments	C L	30.5	91.6	119.5	36	18	99.8	99.6	99.5	98.7	92.4		0.12
7	12 - 14	0.00		Gray,Clay,Very soft <i>See SWD Report 16162 Q-TEST</i>	C H	65.4	60		80	18						0.02	0.14
8	14 - 16	0.00		Brown,Clay,Very soft,w/shell fragments & sand seams	CH	35.0	86.6	116.9	63	20	99.3	96.6	95.1	94.1	89.4		0.11
9	16-17.5		7	Gray,Sand,Loose,Silty,w/shell fragments	S M						94.8	93.8	92.8	77.8	30.3		
10	21-22.5		5	Gray,Sand,Loose,Silty,w/shell fragments	S M												
11	26-27.5		5	Gray,Sand,Loose,Silty,w/shell fragments	S M												
12	28-30	0.00		Gray,Clay,Very soft,Sandy	C L	38.8											
13	30-32	0.25		Gray,Clay,Soft.,Sandy	C L	28.1	94.2	120.7	29	16	99.4	99.3	97.1	70.4	53.0		0.26
14	32-33.5		8	Gray,Sand,Loose,Silty	S M												
15	37-38.5		9	Gray,Sand,Loose,Silty	S M												
16	39-41	0.00		Gray,Clay,Very soft,Sandy,w/shell fragments	C L	24.9					99.0	98.6	96.3	72.6	50.3		
17	41-41.5		22	Gray,Sand,Medium dense,Silty	S M												
18	46-47.5		23	Gray,Sand,Medium dense,Silty	S M												
19	50-52	4.00		Yellowish gray,Clay,Very stiff,Sandy	C L	18.4											
20	52-54	3.50		Yellowish gray,Clay,Very stiff,Sandy	C L	16.7											

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Uncogined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe

