

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
93-101	2	Test order on sample 4 performed on sample 2
93-103	5	Unconfined results given as 28 on lab summary, 27 given on test report
93-105	2	footnote(*) states that material retained are shell fragments, classification does not include this description
93-112	7	footnote(*) states that material retained are shell fragments, classification does not include this description
93-113	5	Mech Ana does not suggest SP-SM, amount passing not between 5-12
93-115	5	footnote(*) states that material retained are shell fragments, classification does not include this description
93-117	13	Blow counts indicate med dense instead of loose

(corrected on my copies)

JJA 2/17/95
JB 3/13/95

JOB NO. 94G783-4

DATE 10/19/94

PROJECT Houston-Galveston Navigation
Channel

AREA Houston, Texas

BORING NO. 93-115

SAMPLE NO. 8

DEPTH 14-16 ft

SPECIMEN NO. 1

CLASSIFICATION

Yellowish gray, Clay, Medium stiff, w/sand seams & shell fragments

Tare No.	W-27	Height	5.595 in.
Tare plus Wet Specimen	404.29 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	314.43 gm	Initial Area	6.290 sq in.
Water Weight	89.86 gm	Volume	35.194 cu in.
Tare Weight	42.42 gm	Volume of Solids	cu in.
Wet Specimen	1027.35 gm	Void Ratio	
Dry Specimen	772.24 gm	Saturation	%
Water Content	33.04 %	Dry Density	83.6 lb/cu ft
Specific Gravity of Solids			
LL = 56	PL = 23	PI = 33	

Proving Ring No. 10170

Proving Ring Constant, K = .766 lbs/div.

Elapsed Time min.	Dial Reading 0.001"	Cumulative Change in.	Proving Ring Dial Reading	Axial Load lb	Axial Strain	Area Corr. sq in.	Compr. Stress tsf
.0	0.	.000	.0	.0	.000	6.29	.000
.2	10.	.010	18.0	13.8	.002	6.30	.158
.3	20.	.020	32.0	24.5	.004	6.31	.280
.5	30.	.030	38.0	29.1	.005	6.32	.331
.7	40.	.040	42.0	32.2	.007	6.34	.366
.9	50.	.050	46.0	35.2	.009	6.35	.400
1.0	60.	.060	49.0	37.5	.011	6.36	.425
1.3	80.	.080	54.0	41.4	.014	6.38	.467
1.6	100.	.100	57.0	43.7	.018	6.40	.491
2.0	120.	.120	59.0	45.2	.021	6.43	.506
2.3	140.	.140	60.5	46.3	.025	6.45	.517
2.7	160.	.160	62.0	47.5	.029	6.48	.528
2.9	180.	.180	61.0	46.7	.032	6.50	.518

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DEPTH, FEET		SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT		BORING NO. <u>93-115</u> DATE: BEGIN <u>7-29-94</u> PAGE <u>1/1</u> JOB NO. <u>946783-1</u> COMPLETE <u>7-29-94</u> Thin Walled Tube PROJECT <u>HOUSTON-GALVESTON Navigation Channel</u> ☒ 3" ☐ 6" LOCATION <u>LEVEE BETWEEN DISPOSAL AREA 15 & 16</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Ardo H4X4, C-1000 Marsh Buggy</u> GROUNDWATER: DEPTH <u>0</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>Sunny and Hot 93°</u> DRILLER <u>David</u> LOGGER <u>Willie Barnes</u>				
			COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS		
Torvane Reading 0		1	1.25	Gray Clay	Stiff	Sandy			
		2	0.50	Gray Clay	M. stiff	Sandy			
		3	0.10	Gray Clay	Stiff	Sand	W/ sand pebbles		
		4	0.75	Gray Clay	M. stiff	Sandy			
0.13	10	5	0.25 0.26	Gray Clay	Soft	Sandy	- w/ calcareous nodules 8-10'		
0.14	10	6	0.25 0.28	Gray Clay	Soft	Sandy	W/ shell fragments		
		7	0.50	Gray Clay	M. stiff	Sandy			
		8	0.50	Gray Clay	M. stiff	Sandy			
		9	0.75	Gray Clay	M. stiff	Sandy			
	20	10	1 1/2	Gray Sand	Loose	Silty			
	25	11	1 1/2	Gray Sand	Loose	Silty			
	30	12	1 1/2	Gray Sand	Loose	Silty			
	35						Torvane Multiplier 0.2		

Project: Galveston-Galveston Navigation Channel

SUMMARY OF LABORATORY TEST RESULTS

Contract No. DACW64-94-C-0040Boring No. 93-115

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	1.50		Yellowish gray, Clay, Stiff, Sandy	C L	19.8											
2	2 - 4	0.75		Yellowish gray, Clay, Medium stiff, w/sand seams and shell fragments	C H	29.8	90.4	117.4	66.0	26.0	99.5*	98.8*	95.6*	92.8	90.3		
3	4 - 6	1.00		Yellowish gray, Clay, Stiff, w/sand seams	C H	30.4											
4	6 - 8	0.50		Yellowish gray, Clay, Medium stiff, w/sand seams	C H	34.5											
5	8 - 10	0.75		Gray, Clay, Medium stiff, w/sand seams w/ sh frags	C H	19.1	106.4	126.7	55.0	22.0	97.7*	97.6*	94.7*	91.1	88.8		0.85
6	10 - 12	0.25		Gray, Clay, Soft, Sandy See SWD report 16162	OK CH	37.7	81		58	15							
7	12 - 14	0.75		Yellowish gray, Clay, Medium stiff, w/sand seams and shell fragments	C H	39.9											
8	14 - 16	0.50		Yellowish gray, Clay, Medium stiff, w/sand seams and shell fragments	C H	33.0	83.6	111.2	56.0	23.0	97.3*	94.6*	91.8*	88.0	87.6		0.53
9	16 - 18	0.50		Yellowish gray, Clay, Medium stiff, w/sand seams and shell fragments	C H	52.9											
10	18-19.5		5	Gray, Sand, Loose, Silty, w/shell fragments	S M												
11	23-24.5		5	Gray, Sand, Loose, Silty, w/shell fragments	SP-SM						98.1*	97.5*	91.2*	49.5	9.7		
12	28.5-30		6	Gray, Sand, Loose, Silty, w/shell fragments	S M												

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

* : Material retained are shell fragments

Project: Galveston-Galveston Navigation Channel

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BORING NO. <u>93-116</u> DATE: BEGIN <u>7-29-94</u> PAGE <u>111</u> JOB NO. <u>946783-1</u> COMPLETE <u>7-29-94</u> Thin Walled Tube PROJECT <u>HOUSTON-GALVESTON Navigation Channel</u> ☒ 3" ☐ 6" LOCATION <u>LEEVE BETWEEN DISPOSAL AREA 15 & 16</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Arco K4x4, C-1000 Marsh Buggy</u> GROUNDWATER: DEPTH <u>0</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>Sunny and Hot</u> DRILLER <u>David</u> LOGGER <u>Willie Barnes</u>									
Torvane Reading									
0	1	2.0	Brown	Clay	Vstiff	Sandy	W/ shell fragments		
	2	0.50	Brown	Clay	M.stiff	Sandy			
0.13	3	0.25	Brown	Clay	Soft	Sandy			
0.15	4	0.30	Brown	Clay	Soft	Sandy			
0.15	5	0.30	Brown	Clay	Soft	Sandy			
10	6	1.0	Gray	Clay	Stiff	Sandy			
	7	1.0	Gray	Clay	Stiff	Sandy			
	8	0.5	Dark Gray	Clay	M.stiff	Sand			
	9	5/4	Gray	Sand	Loose	Silty			
	10	2 1/2	Gray	Sand	Loose	Silty			
25	11	3 1/3	Gray	Sand	Loose	Silty	W/ shell fragments		
30	12	3 1/2	Gray	Sand	Loose	Silty			
35									