U.S. ARMY CORPS OF ENGINEERS

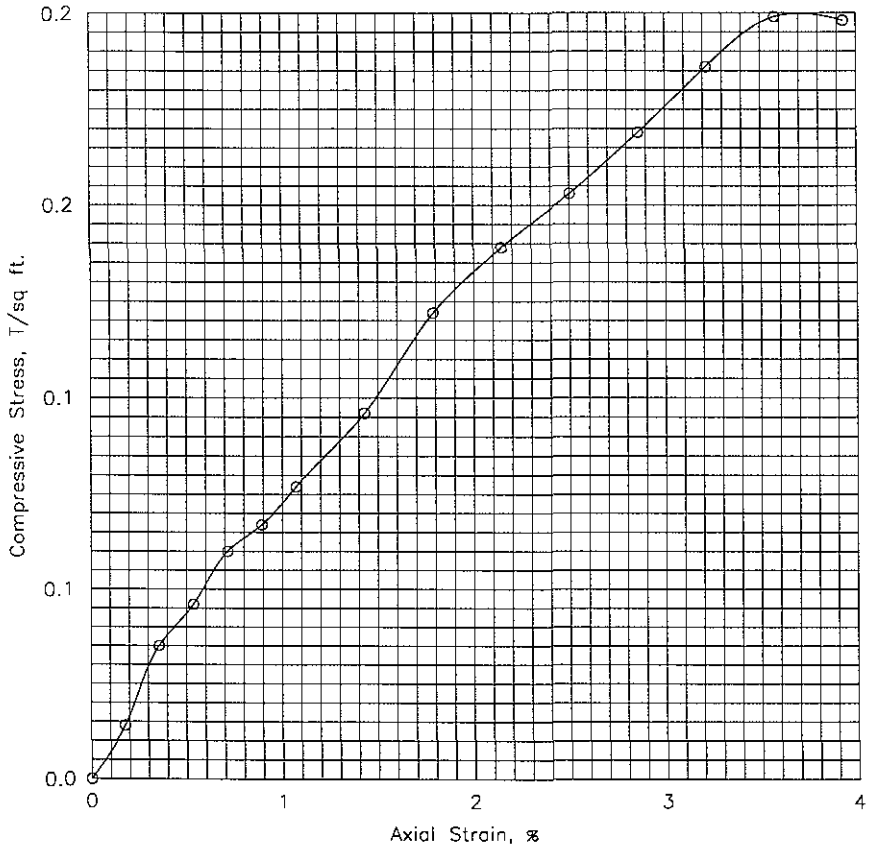
BORING NO. 95-208 DATE: BEGIN 8-7-95 PAGE 1 / 1
JOB NO. 94G799-20 COMPLETE 8-7-95 Thin Walled Tube
PROJECT Channel To Victoria ■ 3" □ 6"
LOCATION Disposal Area NO. 11
ELEVATION OF HOLE
MANUFACTURER'S DESIGNATION OF DRILL RIG K4X4, C-1000, Marsh Buggy
GROUNDWATER: DEPTH ✗ ft., ELEV. ____ ft., at end of Drilling
WEATHER Cloudy & rain
DRILLER David Gregurek LOGGER Iraj Mostamand

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE / SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSIS-TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	4.5+	DK-Gray	Clay	Hard	Sandy	-w/roots
		2	4.5+	Gray	Clay	Hard	Sandy	-w/roots & sa sms
5		3	0.00	Gray	Clay	V.Soft	Sandy	
		4	0.00	Gray	Clay	V.Soft	Sandy	-w/sa sms
		5	0.25	Gray	Clay	Soft	Sandy	-w/sa sms
10	J	6		Gray	Sand	Loose	Silty	-w/woods
	X	7	2 3 5	Gray	Sand	Loose	Silty	-w/woods
15								
	X	8	3 5 8	Gray	Sand	M.Dense	Silty	
20								
	X	9	5 6 9	Gray	Sand	M.Dense	Silty	
25	X	10	3 8 12	Gray	Sand	M.Dense	Silty	
								J: Jar Sample
30								Drilling Fluid level after drilling @ 1-2"
35								

GEOTEST ENGINEERING, INC.

Job No. 94G799-25

Failure Sketches



☐ Controlled stress
☒ Controlled strain

Test No.			1			
Type of Specimen			Undisturbed			
Initial	Water content	w_0	24.6 %	%	%	%
	Void ratio	e_0				
	Saturation	S_0	%	%	%	%
	Dry density, lb/cu ft	γ_d	91.3			
Time to failure, min		t_f	3.43			
Unconfined compressive strength, T/sq ft		q_u	.20			
Undrained shear strength, T/sq ft		S_u	.10			
Sensitivity ratio		S_t				
Initial specimen diameter, in.		D_0	2.830			
Initial specimen height, in.		H_0	5.595			

Classification Sandy Clay, Very Soft, Gray

LL	30	PL	16	PI	14	G_s	

Remarks

Project Channel to Victoria
Houston, Texas
Area
Boring No. 95-208 Sample No. 3
Depth 4-6 ft Date 9/21/95
El

UNCONFINED COMPRESSION TEST REPORT

ENG FORM 1 JUN 65 3659

PLATE XI-2

Geotest Engineering, Inc.

PLATE

Project: ...nnel to Victoria project

Victoria, Texas

Contract No. DACW64-94-D-0015 Delivery Order No. 0025

SU... ...Y OF LABORATORY TEST RESULTS

Boring No. 95-208

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 (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 2	4.5 +		Sandy Clay,w/roots,Hard,Dark gray	CL	14.8											
2	2 - 4	4.5 +		Sandy Clay,w/roots & sand seams,Hard, Gray	CL	20.0											
3	4 - 6	0.00		Sandy Clay,Very soft,Gray	CL	24.6	91.3	113.8	30	16	100.0	100.0	99.4	97.4	70.0		0.20
4	6 - 8	0.00		Sandy Clay,w/sand seams,Very soft,Gray	CL	21.1											
5	8 - 10	0.25		Sandy Clay,w/sand seams,Soft,Gray	CL	27.8	95.3	121.8	29								
6	10 - 12			Silty Sand,w/wood,Loose,Gray	SM												
7	12 - 13.5		8	Silty Sand,w/wood,Loose,Gray	SM						100.0	100.0	99.8	69.9	44.5		
8	17-18.5		13	Silty Sand,Medium dense,Gray	SM												
9	22-23.5		15	Silty Sand,Medium dense,Gray	SM												
10	24.5-26		20	Silty Sand,Medium dense,Gray	SM						100.0	99.4	97.0	42.2	18.4		

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classifcation, M c : Moisture Content

q u : Uncogined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe