

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
	0	X 1	$\frac{1}{1-12}$	Tan	Sand	Very loose		Sr at Surface
		X 2	$\frac{1}{1-12}$	Gray	"	"		
-	5	X 3	$\frac{1}{1-12}$	Gray	Soft	"	Clay	
		X 4	$\frac{1}{4}$	"	Sand	"		
-	10	■ 5	.25	Gray	Clay	Soft	SAND	Sacr. at 8'
								Bottom of 9'-31' 10'
-	15							
-	20							
-	25							
-	30							
-	35							

SUMMARY OF LABORATORY TEST RESULTS

El 190

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

Geotest Engineering, Inc.

JOB NO. 14G538

DATE 4/9/92

PROJECT Disposal Areas Nos.2 and 4 for Brownsvill Ship Channel,Brown

(LOGGING NO. 92-31

SAMPLE NO. 5

DEPTH 8-10 ft

SPECIMEN NO. 1

CLASSIFICATION

Gray,Clay,Very soft,Sandy

Tare No.	P-205	Height	5.595 in.
Tare plus Wet Specimen	752.67 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	569.62 gm	Initial Area	6.290 sq in.
Water Weight	183.05 gm	Volume	35.194 cu in.
Tare Weight	42.45 gm	Volume of Solids	cu in.
Wet Specimen	1096.88 gm	Void Ratio	
Dry Specimen	814.17 gm	Saturation	%
Water Content	34.72 %	Dry Density	88.1 lb/cu ft
Specific Gravity of Solids			
LL = 32	PL = 16	PI = 16	

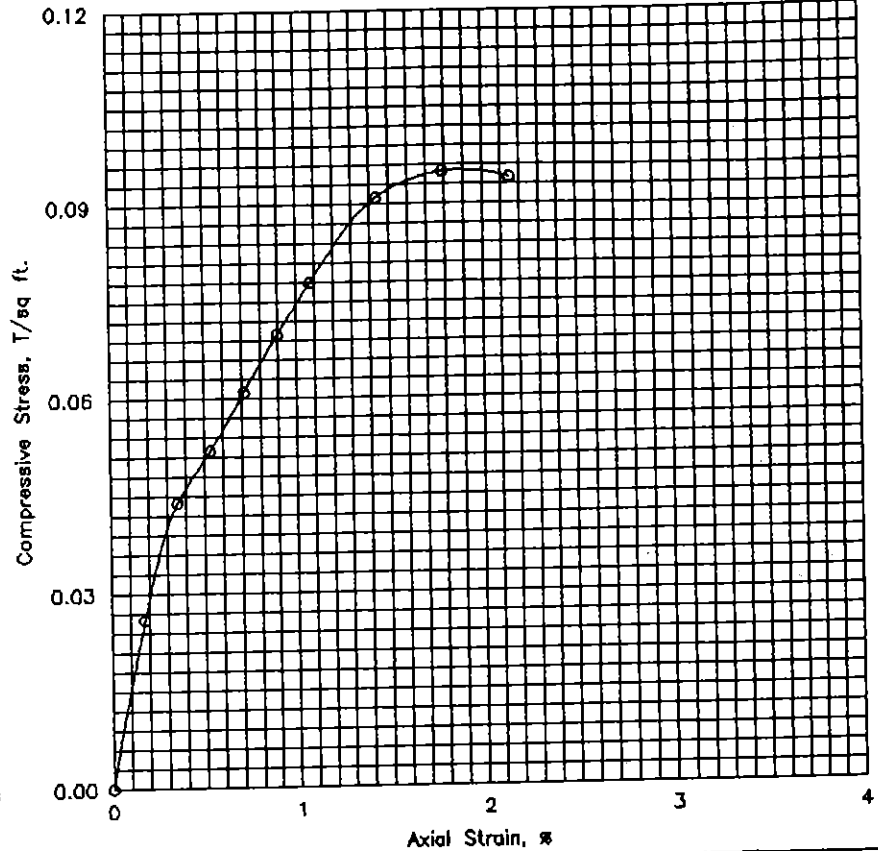
Proving Ring No. 10170

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	3.0	2.3	.002	6.30	.026
.3	20.	.020	5.0	3.8	.004	6.31	.044
.5	30.	.030	6.0	4.6	.005	6.32	.052
.7	40.	.040	7.0	5.4	.007	6.34	.061
.9	50.	.050	8.0	6.1	.009	6.35	.070
1.0	60.	.060	9.0	6.9	.011	6.36	.078
1.4	80.	.080	10.5	8.0	.014	6.38	.091
1.6	100.	.100	11.0	8.4	.018	6.40	.095
1.9	120.	.120	11.0	8.4	.021	6.43	.094

Job No. 14G538

Failure Sketches



- ☐ Controlled stress
☒ Controlled strain

Test No.		1			
Type of Specimen		Undisturbed			
Initial	Water content	w_0	34.7 %		
	Void ratio	e_0			
	Saturation	S_0			
	Dry density, lb/cu ft	γ_d	88.1		
Time to failure, min		t_f	1.62		
Unconfined compressive strength, T/sq ft		q_u	.09		
Undrained shear strength, T/sq ft		S_u	.05		
Sensitivity ratio		S_t			
Initial specimen diameter, in.		D_0	2.830		
Initial specimen height, in.		H_0	5.595		
Classification Gray, Clay, Very soft, Sandy					
LL	32	PL	16	PI	16
Remarks		Project Disposal Areas Nos. 2 and 4 for Brownsville Area Ship Channel, Brownsville, Texas Boring No. 92-31 Sample No. 5 Depth 8-10 ft Date 4/9/92 UNCONFINED COMPRESSION TEST REPORT			