

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>92-120</u> DATE: BEGIN <u>1-22-93</u> PAGE <u>1 / 1</u> JOB NO. <u>146622</u> COMPLETE <u>1-22-93</u> Thin Walled Tube PROJECT <u>Brozos Island Harbor Project</u> ☒ 3" ☐ 6" LOCATION <u>along Brownsville Ship Channel, Brownsville, TX</u> ELEVATION OF HOLE _____ MANUFACTURER'S DESIGNATION OF DRILL RIG <u>Aidco K4X4</u> GROUNDWATER: DEPTH <u>1.5</u> ft., ELEV. _____ ft., at end of Drilling WEATHER <u>Sunny & Hot</u> DRILLER <u>Scott Geregurek</u> LOGGER <u>Troy Mostanand</u>				
				COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0		1	0.00	Gray	clay	Very Soft		Sample Bulge on extrusion (10-2') - encounter water @ 1.5'
		2	0.00	"	"	" "		
5		3	0.00	Gray	clay	Very Soft		
		4	0.00	"	"	" "		
		5	0.00	"	"	" "		
10								Bottom of 92-120 @ 12'
15								
20								
25								
30								
35								

Top of Boring
El. 4.0

$$X = 2,394,481.190$$
$$Y = 117,704.353$$

Boring No. 92-120

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. 14G627

DATE 3/31/93

PROJECT Brazos Island Harbor Project
Brownsville Shipchannel

AREA Brownsville, Texas

BORING NO. 92-120

SAMPLE NO. 2

DEPTH 2-4 ft

SPECIMEN NO. 1

CLASSIFICATION

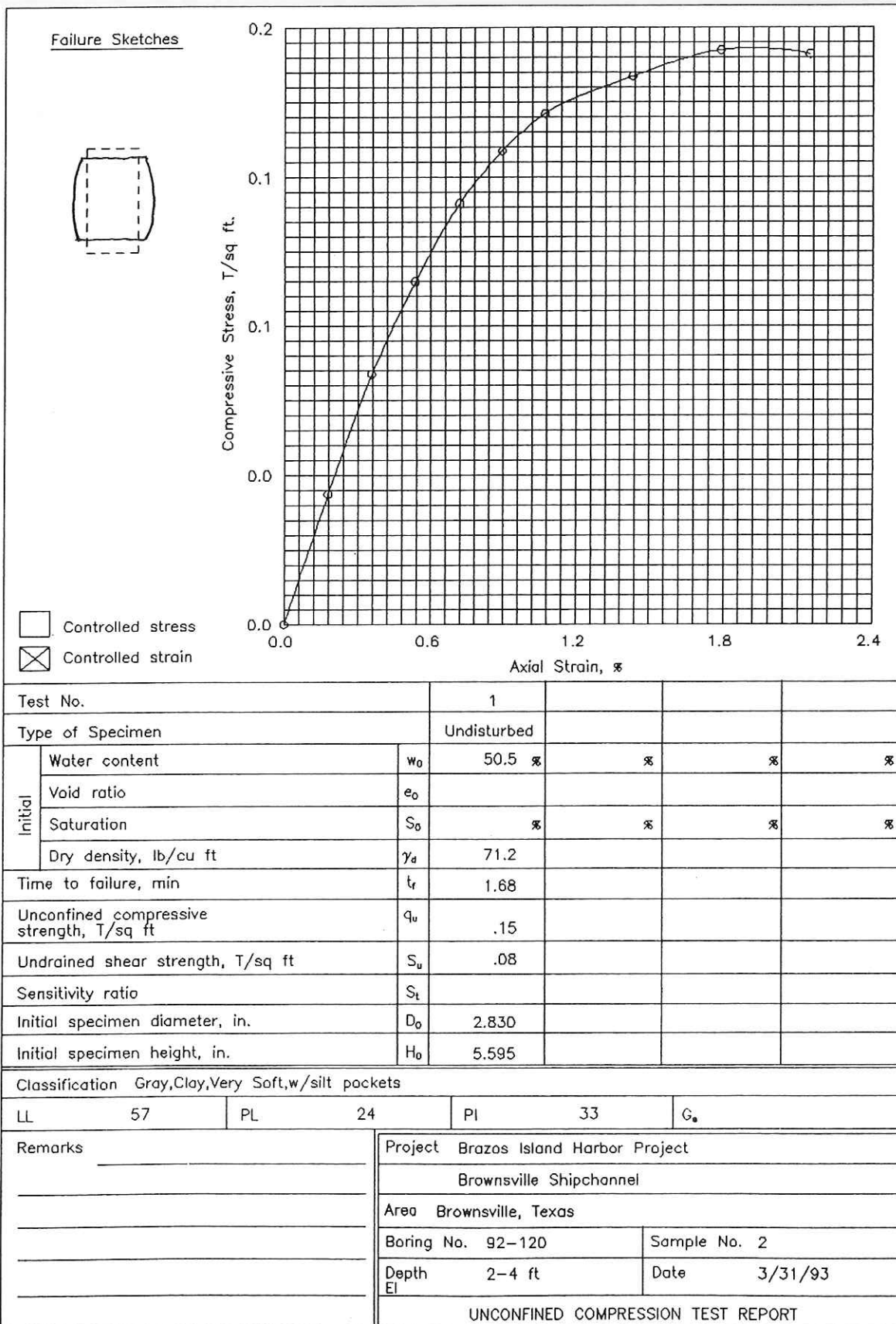
Gray, Clay, Very Soft, w/silt pockets

Tare No.	P-207	Height	5.595 in.
Tare plus Wet Specimen	564.30 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	389.43 gm	Initial Area	6.290 sq in.
Water Weight	174.87 gm	Volume	35.194 cu in.
Tare Weight	42.83 gm	Volume of Solids	cu in.
Wet Specimen	989.37 gm	Void Ratio	
Dry Specimen	657.59 gm	Saturation	%
Water Content	50.45 %	Dry Density	71.2 lb/cu ft
Specific Gravity of Solids			
LL = 57	PL = 24	PI = 33	

Proving Ring No. 10170

Proving Ring Constant, K = .311 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	10.0	3.1	.002	6.30	.035
.3	20.	.020	19.0	5.9	.004	6.31	.067
.5	30.	.030	26.0	8.1	.005	6.32	.092
.7	40.	.040	32.0	9.9	.007	6.34	.113
.9	50.	.050	36.0	11.2	.009	6.35	.127
1.0	60.	.060	39.0	12.1	.011	6.36	.137
1.4	80.	.080	42.0	13.0	.014	6.38	.147
1.7	100.	.100	44.0	13.7	.018	6.40	.154
2.0	120.	.120	44.0	13.7	.021	6.43	.153



JOB NO. 14G627

DATE 3/31/93

PROJECT Brazos Island Harbor Project
Brownsville Shipchannel

AREA Brownsville, Texas

BORING NO. 92-120

SAMPLE NO. 4

DEPTH 6-8 ft

SPECIMEN NO. 1

CLASSIFICATION

Gray, Clay, Soft, w/silt pockets

Tare No.	P-11	Height	5.595 in.
Tare plus Wet Specimen	577.62 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	392.46 gm	Initial Area	6.290 sq in.
Water Weight	185.16 gm	Volume	35.194 cu in.
Tare Weight	42.69 gm	Volume of Solids	cu in.
Wet Specimen	980.23 gm	Void Ratio	
Dry Specimen	640.93 gm	Saturation	%
Water Content	52.94 %	Dry Density	69.4 lb/cu ft
Specific Gravity of Solids			
LL = 57	PL = 23	PI = 34	

Proving Ring No. 10170

Proving Ring Constant, K = .311 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	5.0	1.6	.002	6.30	.018
.4	20.	.020	12.0	3.7	.004	6.31	.043
.6	30.	.030	22.0	6.8	.005	6.32	.078
.8	40.	.040	32.0	9.9	.007	6.34	.113
.9	50.	.050	42.0	13.0	.009	6.35	.148
1.1	60.	.060	49.0	15.2	.011	6.36	.172
1.4	80.	.080	58.0	18.0	.014	6.38	.203
1.8	100.	.100	64.0	19.9	.018	6.40	.223
2.1	120.	.120	67.0	20.8	.021	6.43	.233
2.4	140.	.140	69.0	21.4	.025	6.45	.239
2.7	160.	.160	70.0	21.7	.029	6.48	.242
3.0	180.	.180	70.0	21.7	.032	6.50	.241

