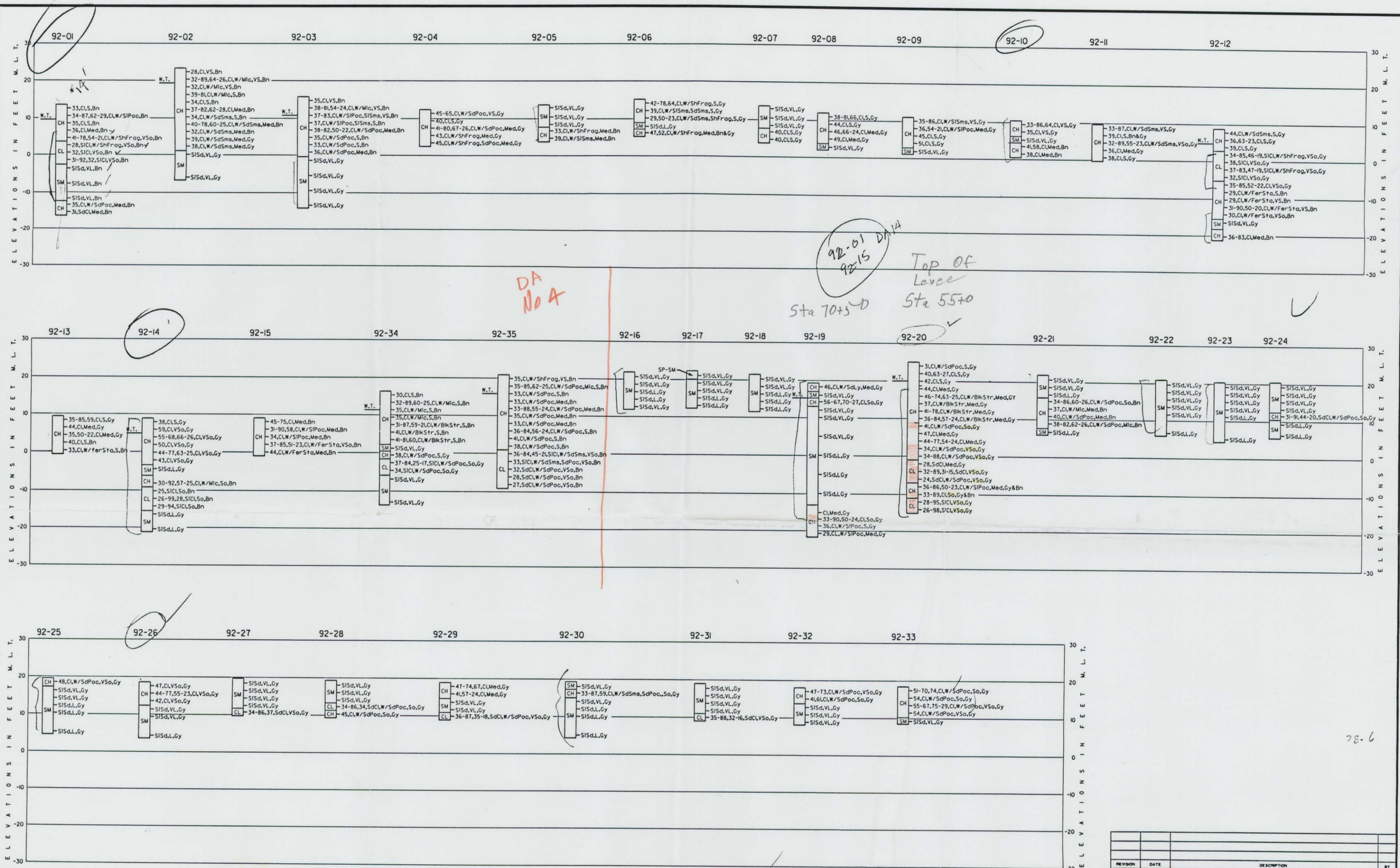




NOTE: SEE DRAWING NUMBER F-6 FOR SOILS NOTES.

REVISION		DATE	DESCRIPTION	BY
OFFICE OF THE DISTRICT ENGINEER U.S. ARMY ENGINEER DISTRICT, GALVESTON CORPS OF ENGINEERS GALVESTON, TEXAS				
DRAWN BY:		P.B.S.		
TRACED BY:		P.B.S.		
CHECKED BY:		J.T.F.		
SUBMITTED BY:		J.T.F.		
APPROVED BY:		J.T.F.		
DATE:		MAY 1992		
SCALE:		AS SHOWN		
SPEC. DATE:		F-7		
SHEET 14 OF 17		FILE NO. RID 901-240		

Prepared under the direction of
Brink P. Miller, Col., C.E.,
District Engineer

BRAZOS ISLAND HARBOR, TEXAS
BROWNSVILLE CHANNEL
DREDGING INSHORE REACH No. 1
DISPOSAL AREAS Nos. 2 & 4
BORING LOGS

U.S. ARMY CORPS OF ENGINEERS

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO.	DATE: BEGIN	PAGE
					92-27	3-18-92	111
					JOB NO. 146535	COMPLETE 3-18-92	Thin Walled Tube
					PROJECT Brownsville Disp. AREA		
					LOCATION " "	SHIP CHANNEL	
					ELEVATION OF HOLE		
					MANUFACTURER'S DESIGNATION OF DRILL RIG	ARDCO-C-1000	
					GROUNDWATER: DEPTH	Day ft.,	ELEV. ft., at end of Drilling
					WEATHER Cloudy-Warm-Showers		
					DRILLER D. Mitchell	LOGGER J. Berg	
		COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS	
0						SA at Surface	
5							
10						SA. cl. at 8'	
						Bottom of 81-27	
						10'	
15							
20							
25							
30							
35							

Project : Disposal Areas Nos.2 and 4 for Brownsville Ship Channel
Brownsville, Texas
Contract No. DACW64-92-D-0001 Delivery order No. 0008

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 92-27

El. 19.7

[illegible]

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 Brownsville Ship Channel, Brown

CORING NO. 92-27

SAMPLE NO. 5

DEPTH 8-10 ft

SPECIMEN NO. 1

CLASSIFICATION

Gray, Clay, Very soft, Sandy

Tare No.	P-211	Height	5.595 in.
Tare plus Wet Specimen	373.64 gm	Average Diameter	2.830 in.
Tare plus Dry Specimen	290.10 gm	Initial Area	6.290 sq in.
Water Weight	83.54 gm	Volume	35.194 cu in.
Tare Weight	42.67 gm	Volume of Solids	cu in.
Wet Specimen	1061.19 gm	Void Ratio	
Dry Specimen	793.34 gm	Saturation	%
Water Content	33.76 %	Dry Density	85.9 lb/cu ft
Specific Gravity of Solids			
LL = 37	PL =	PI =	

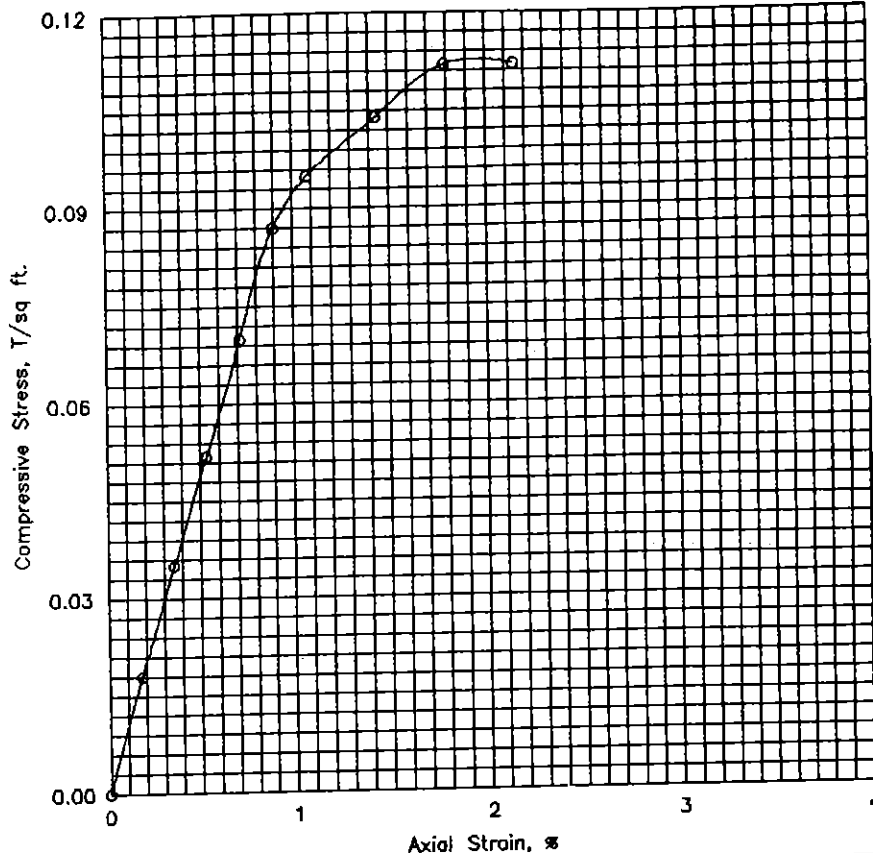
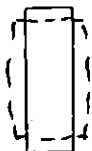
Proving Ring No. 10170

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	2.0	1.5	.002	6.30	.018
.4	20.	.020	4.0	3.1	.004	6.31	.035
.5	30.	.030	6.0	4.6	.005	6.32	.052
.7	40.	.040	8.0	6.1	.007	6.34	.070
.9	50.	.050	10.0	7.7	.009	6.35	.087
1.0	60.	.060	11.0	8.4	.011	6.36	.095
1.4	80.	.080	12.0	9.2	.014	6.38	.104
1.6	100.	.100	13.0	10.0	.018	6.40	.112
1.9	120.	.120	13.0	10.0	.021	6.43	.112

Job No. 14G538

Failure Sketches



☐ Controlled stress
☒ Controlled strain

Test No.		1			
Type of Specimen		Undisturbed			
Initial	Water content	w_0	33.8 %		
	Void ratio	e_0			
	Saturation	S_0			
	Dry density, lb/cu ft	γ_d	85.9		
Time to failure, min		t_f	1.65		
Unconfined compressive strength, T/sq ft		q_u	.11		
Undrained shear strength, T/sq ft		S_u	.06		
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	37	PL		PI	G_o
Remarks		Project Disposal Areas Nos. 2 and 4 for Brownsville			
		Area Ship Channel, Brownsville, Texas			
		Boring No. 92-27		Sample No. 5	
		Depth 8-10 ft		Date 4/9/92	
		UNCONFINED COMPRESSION TEST REPORT			