

SWG Form 267(c)
28 Jan 1965

PROJECT: Coast Guard Station

LOCATION: Port Aransas, Tex.

TEST DATA SUMMARY

BORING NO. 3ST-3

DATE DRILLED Dec. 3, 1968

[illegible]

KEY:	CONSISTENCY -- COHESIVE SOILS							CONSISTENCY -- COHESIONLESS SOILS					(1) Tons/Sq.Ft. Unconfined Compressive Strength (2) Split Barrel Sampler (3) Acc. Wt. Rtn'd ÷ Init. Wt. x 100 = % Rtn'd.
	VS	S	M	ST	VST	H		VL	L	M	D	VD	
	Very Soft	Soft	Medium	Stiff	Very Stiff	Hard		Very Loose	Loose	Medium	Dense	Very Dense	

BORING NO. 35T-3

UNCONFINED COMPRESSION TEST						DATE 12/12/68
PROJECT <i>Coast Guard Station, Port Aransas</i>			EXCAVATION NUMBER <i>3 ST-3</i>		SAMPLE NUMBER <i>C-3 (40-42)</i>	
PROVING RING DIAL NUMBER		PROVING RING NUMBER		CALIBRATION CURVE NUMBER		
PROVING RING CONSTANT, K _r		VERTICAL DIAL NUMBER <i>Cyl # 3</i>		RATE OF LOAD APPLICATION <i>0°040</i>		
FORMULAS $\text{Area} = \frac{\pi D^2}{4} = \frac{C^2 D}{4}$ Corrected Area, A = $\frac{A_0 (\text{sq. ft.})}{1 - E}$ Unit Strain, E = $\frac{\Delta L}{L_0}$ Unit Stress = $\frac{P (\text{lb.})}{A (\text{sq. ft.})}$						
INITIAL MEASUREMENTS ON SAMPLE					AVERAGE AREA, A ₀	
	DIAMETER, D (in.)	CIRCUMFERENCE, C (in.)	AREA (sq. in.)	SQ. IN.	SQ. FT.	
TOP						
CENTER				HEIGHT, L ₀ (in.)		
BOTTOM						
ELAPSED TIME (min.)	PROVING RING DIAL READING (0.0001 in.)	LOAD, P (lb.) (Ring Dial x K _r , or from calibration curve)	VERTICAL DIAL READING (in.)	VERTICAL DIAL DIFFERENCE, ΔL (in.)	UNIT STRAIN, E (in./in.)	CORRECTED AREA, A (sq. ft.)
	14		025			
	30		050			
	42		075			
	53		100			
	64		125			
	72		150			
	79		175			
	85		200			
	91		225			
	97		250			
	101		275			
	104		300			
	108		325			
	110		350			
	111 ✓		375		9.38	3.30
	111		400			
	109		425			
	104		450			
			475			
			500			
WATER CONTENT (%) W.W. in Cyl # <i>3</i> <i>489</i>			UNCONFINED COMPRESSIVE STRENGTH, q _u (lb./sq. ft.)			
REMARKS AND CALCULATIONS (<i>Use reverse side, if more space is needed</i>) Pen - <i>1.25</i> Color - <i>GR</i> Dish - <i>28</i> W.W. - <i>300</i> D.W. - <i>322</i>						
TECHNICIAN (Signature)		COMPUTED BY (Signature)		CHECKED BY (Signature) 		

SUMMARY UNCONFINED COMPRESSION TEST DATA
TABLE /

GALVESTON DISTRICT LABORATORY REPORT NO. 1271

PROJECT Coast Guard Station
Port Mansfield, Texas

[illegible]

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*TONS/SQ.FT. UNCONFINED COMPRESSIVE STRENGTH