

28 Jan 1965

LOCATION: Port Aransas, Tex.

TEST DATA SUMMARY

BORING NO. 35T-2

DATE DRILLED Dec. 4, 1968

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

BORING NO. 3ST-2

UNCONFINED COMPRESSION TEST						DATE 12/12/68		
PROJECT Cost Guard Station, Port Aransas			EXCAVATION NUMBER 35T-2		SAMPLE NUMBER C-1 (8-10)			
PROVING RING DIAL NUMBER		PROVING RING NUMBER		CALIBRATION CURVE NUMBER				
PROVING RING CONSTANT, K _r		VERTICAL DIAL NUMBER Cyl # 3		RATE OF LOAD APPLICATION 0.040				
FORMULAS $\text{Area} = \frac{\pi D^2}{4} = \frac{C^2 D}{4}$ $\text{Corrected Area, } A = \frac{A_0 (\text{sq. ft.})}{1 - E}$ $\text{Unit Strain, } E = \frac{\Delta L}{L_0}$ $\text{Unit Stress} = \frac{P (\text{lb.})}{A (\text{sq. ft.})}$								
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.)	UNIT STRESS (lb./sq. ft.)	
	6		025					
	12		050					
	17		075					
	20		100					
	23		125					
	26		150					
	28		175					
	30		200					
	31		225					
	33		250					
	34		275					
	34		300					
	35		325					
	36		350					
	36		375					
	37		400		10.00	3.32	486	
	37		425					
	37		450					
	37		475					
			500					
WATER CONTENT (%) W.W. in Cyl # 3 433						UNCONFINED COMPRESSIVE STRENGTH, q _u (lb./sq. ft.)		
REMARKS AND CALCULATIONS (Use reverse side, if more space is needed) Pen - 0.25 Color - GR. Dish - 27/ W.W. - 333 D.W. - 228								
TECHNICIAN (Signature)			COMPUTED BY (Signature)			CHECKED BY (Signature)		

DD FORM 1213
1 AUG 57

Mo4 - # 8 - Loose

SUMMARY UNCONFINED COMPRESSION TEST DATA
TABLE /

GALVESTON DISTRICT LABORATORY REPORT NO. 1271

PROJECT Coast Guard Station
Port Aransas, Texas

[illegible]

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*TONS/SQ.FT. UNCONFINED COMPRESSIVE STRENGTH