

**UNCONSOLIDATED, UNDRAINED COMPRESSIVE STRENGTH
OF COHESIVE SOILS IN TRIAXIAL COMPRESSION (ASTM D 2850)**

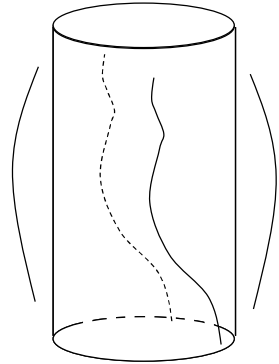
Project: FUL-20A-19.20 Date: 7/29/2024
 Client: Tetra Tech File: 241359B-001-0-24ST-11
 Sample ID: B-001-0-24 ST-11 Depth: 18.0 - 20.0'
 Project No.: 241359 Specimen ID: "D" (19.5 - 20.0 Feet)

SAMPLE PROPERTIES

Visual Description: Gray SILTY CLAY, Little Sand, Trace Gravel A-6b (10)
 Diameter: 2.88 in. Initial Dry Unit Weight of Sample: 117.2 pcf
 Area: 6.514 in² Initial Moisture Content: 14.5 %
 Length: 6.15 in. Specific Gravity (assumed): 2.75
 Initial Void Ratio: 0.46 Initial Degree of Saturation: 86 %
 Chamber Pressure: 16 psi Proving Ring Number: 1155-12-13322

STRESS-STRAIN DATA

Speciman Deformation (in)	Vertical Strain	Proving Ring Reading	Piston Load (lbs)	Corrected Area (in ²)	Deviator Stress (psi)
0.000	0.000	0.0	0.0	6.514	0.0
0.010	0.002	24.0	16.5	6.525	2.5
0.020	0.003	42.0	28.8	6.536	4.4
0.030	0.005	58.0	39.8	6.546	6.1
0.040	0.007	75.5	51.8	6.557	7.9
0.050	0.008	91.5	62.8	6.568	9.6
0.075	0.012	130.5	89.5	6.595	13.6
0.100	0.016	167.5	114.9	6.622	17.4
0.125	0.020	199.5	136.9	6.650	20.6
0.150	0.024	225.5	154.7	6.677	23.2
0.175	0.028	250.0	171.5	6.705	25.6
0.200	0.033	270.0	185.2	6.733	27.5
0.250	0.041	305.0	209.2	6.790	30.8
0.300	0.049	332.5	228.1	6.848	33.3
0.350	0.057	356.5	244.6	6.908	35.4
0.400	0.065	379.5	260.3	6.968	37.4
0.450	0.073	398.5	273.4	7.029	38.9
0.500	0.081	415.5	285.0	7.091	40.2
0.550	0.089	430.5	295.3	7.154	41.3
0.600	0.098	445.0	305.3	7.219	42.3
0.650	0.106	458.0	314.2	7.284	43.1
0.700	0.114	470.5	322.8	7.351	43.9
0.750	0.122	481.0	330.0	7.419	44.5
0.800	0.130	491.5	337.2	7.489	45.0
0.850	0.138	500.5	343.3	7.559	45.4
0.900	0.146	510.0	349.9	7.631	45.8
0.923	0.150	513.5	352.3	7.665	46.0



Sketch of Tested Specimen

RESULTS

Maximum Deviator Stress 46.0 psi