

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

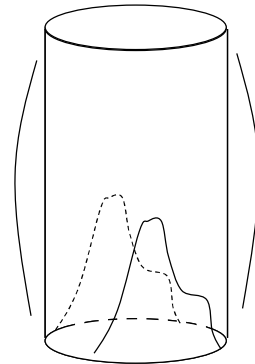
Project: FUL-20A-19.20 Date: 7/31/2024
 Client: Tetra Tech File: 241359B-004-0-24ST-5
 Sample ID: B-004-0-24 ST-5 Depth: 7.0 - 9.0'
 Project No.: 241359 Specimen ID: "B" (7.5 - 8.0 Feet)

SAMPLE PROPERTIES

Visual Description: Brown SILTY CLAY, Little Sand, Trace Gravel A-6b (10)
 Diameter: 2.88 in. Initial Dry Unit Weight of Sample: 110.0 pcf
 Area: 6.514 in² Initial Moisture Content: 17.4 %
 Length: 5.68 in. Specific Gravity (assumed): 2.75
 Initial Void Ratio: 0.56 Initial Degree of Saturation: 86 %
 Chamber Pressure: 7 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	3.0	2.1	6.526	0.3
0.020	0.004	7.0	4.8	6.537	0.7
0.030	0.005	11.0	7.5	6.549	1.2
0.040	0.007	16.0	11.0	6.561	1.7
0.050	0.009	21.5	14.7	6.572	2.2
0.075	0.013	33.0	22.6	6.602	3.4
0.100	0.018	43.0	29.5	6.631	4.4
0.125	0.022	53.0	36.4	6.661	5.5
0.150	0.026	62.0	42.5	6.691	6.4
0.175	0.031	71.0	48.7	6.721	7.2
0.200	0.035	81.0	55.6	6.752	8.2
0.250	0.044	95.5	65.5	6.814	9.6
0.300	0.053	110.0	75.5	6.878	11.0
0.350	0.062	123.0	84.4	6.942	12.2
0.400	0.070	135.0	92.6	7.008	13.2
0.450	0.079	146.0	100.2	7.075	14.2
0.500	0.088	155.0	106.3	7.143	14.9
0.550	0.097	164.0	112.5	7.213	15.6
0.600	0.106	171.5	117.6	7.284	16.2
0.650	0.114	177.5	121.8	7.356	16.6
0.700	0.123	182.5	125.2	7.430	16.8
0.750	0.132	185.0	126.9	7.505	16.9
0.800	0.141	187.0	128.3	7.582	16.9
0.850	0.150	187.5	128.6	7.661	16.8
0.852	0.150	187.5	128.6	7.664	16.8



Sketch of Tested Specimen

RESULTS

Maximum Deviator Stress 16.9 psi