

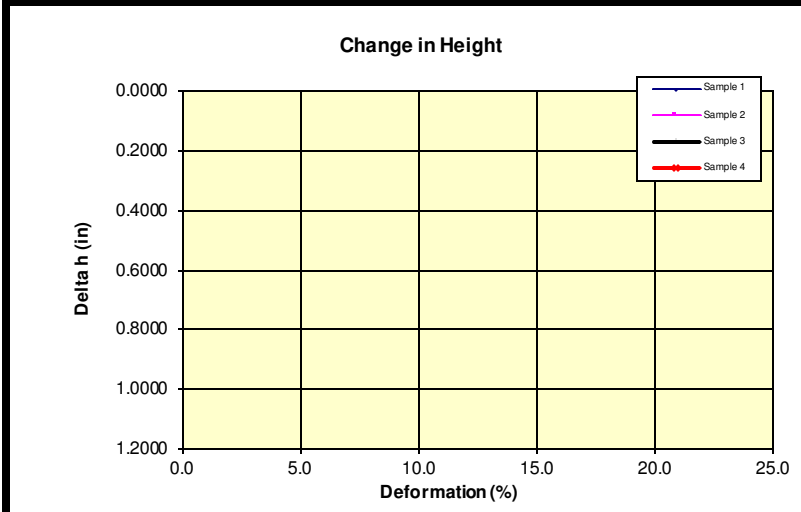
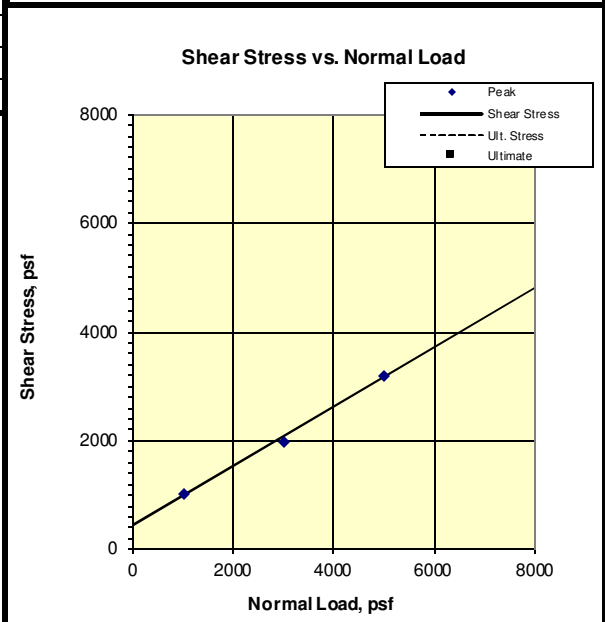
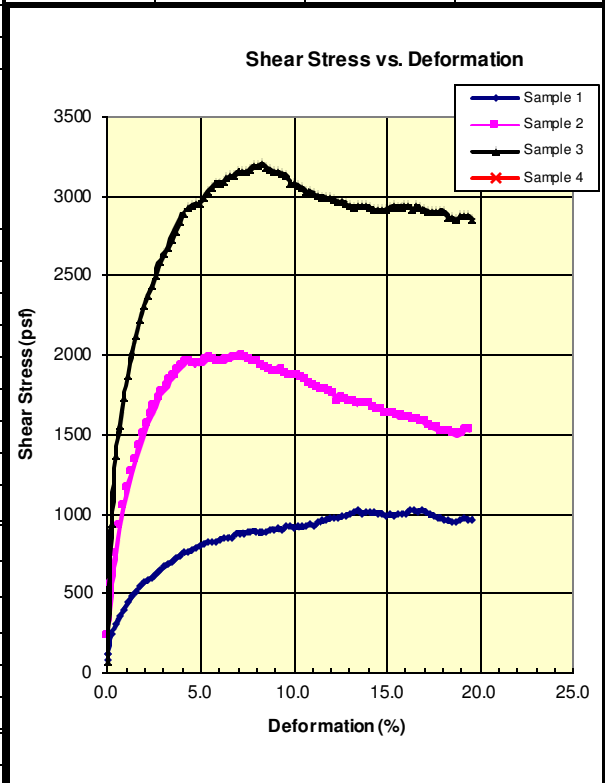


Consolidated Undrained Direct Shear (ASTM D3080M)

CTL Job #: _____ Project #: _____ By: MD
 Client: _____ Date: 1/17/2018 Checked: PJ
 Project Name: _____ Remolding Info: _____

Specimen Data				
	1	2	3	4
Boring:	B-10	B-10	B-10	
Sample:	2C	2C	2C	
Depth (ft):	6.0	6.0	6.0	
Visual Description:	Dark Yellowish Brown Silty SAND	Dark Yellowish Brown Silty SAND	Dark Yellowish Brown Silty SAND	
Normal Load (psf)	1000	3000	5000	
Dry Mass of Specimen (g)	129.9	131.2	133.2	
Initial Height (in)	1.00	1.02	1.02	
Initial Diameter (in)	2.40	2.40	2.40	
Initial Void Ratio	0.544	0.560	0.528	
Initial Moisture (%)	9.6	9.8	9.9	
Initial Wet Density (pcf)	119.7	118.6	121.3	
Initial Dry Density (pcf)	109.2	108.1	110.3	
Initial Saturation (%)	47.6	47.1	50.8	
ΔHeight Consol (in)	0.0108	0.0255	0.0402	
At Test Void Ratio	0.527	0.521	0.468	
At Test Moisture (%)	16.6	16.4	15.5	
At Test Wet Density (pcf)	128.7	129.0	132.6	
At Test Dry Density (pcf)	110.4	110.8	114.8	
At Test Saturation (%)	84.9	84.9	89.4	
Strain Rate (%/min)	1.1	1.1	1.1	
Strengths Picked at	Peak	Peak	Peak	
Shear Stress (psf)	1025	1993	3199	
ΔHeight (in) at Peak				
Ultimate Stress (psf)				

Phi (deg)	28.7	Ult. Phi (deg)	
Cohesion (psf)	450	Ult. Cohesion (psf)	



Remarks: *DS-CU* A fully undrained condition may not be attained in this test. ΔH is not measured during undrained direct shear tests.