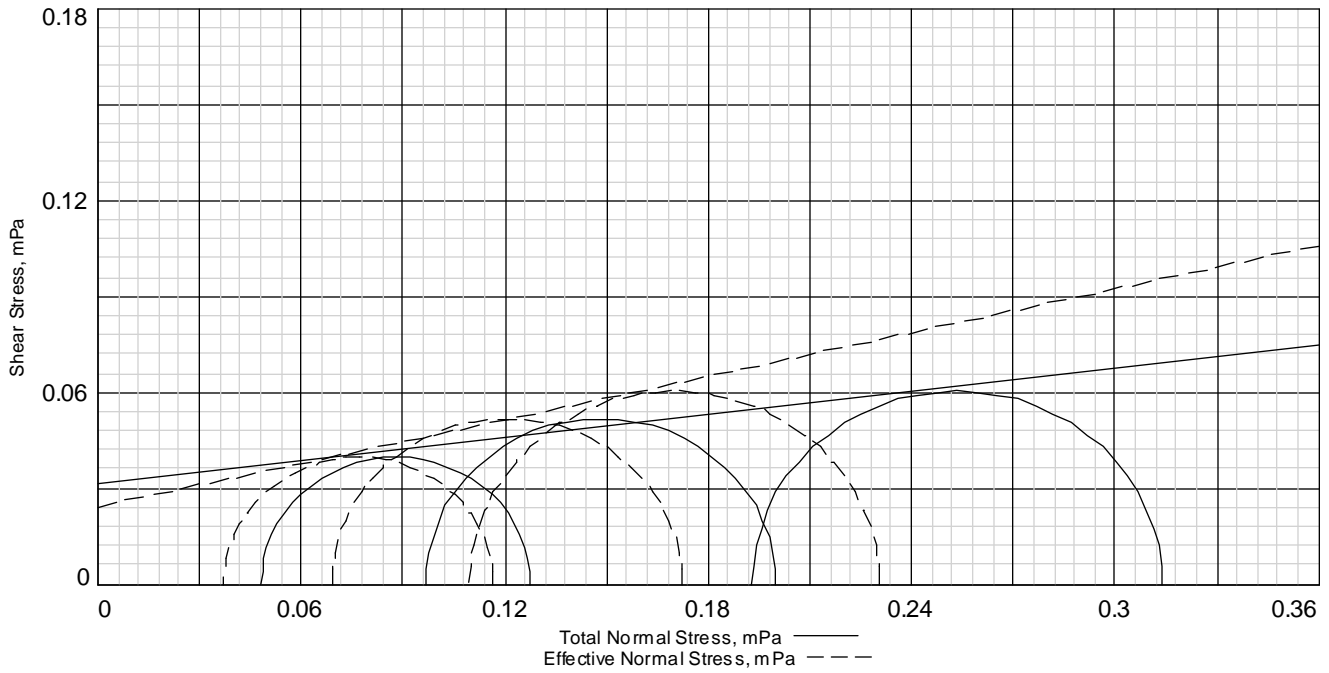


# TRIAXIAL SHEAR TEST REPORT



**Type of Test:** CU with Pore Pressures

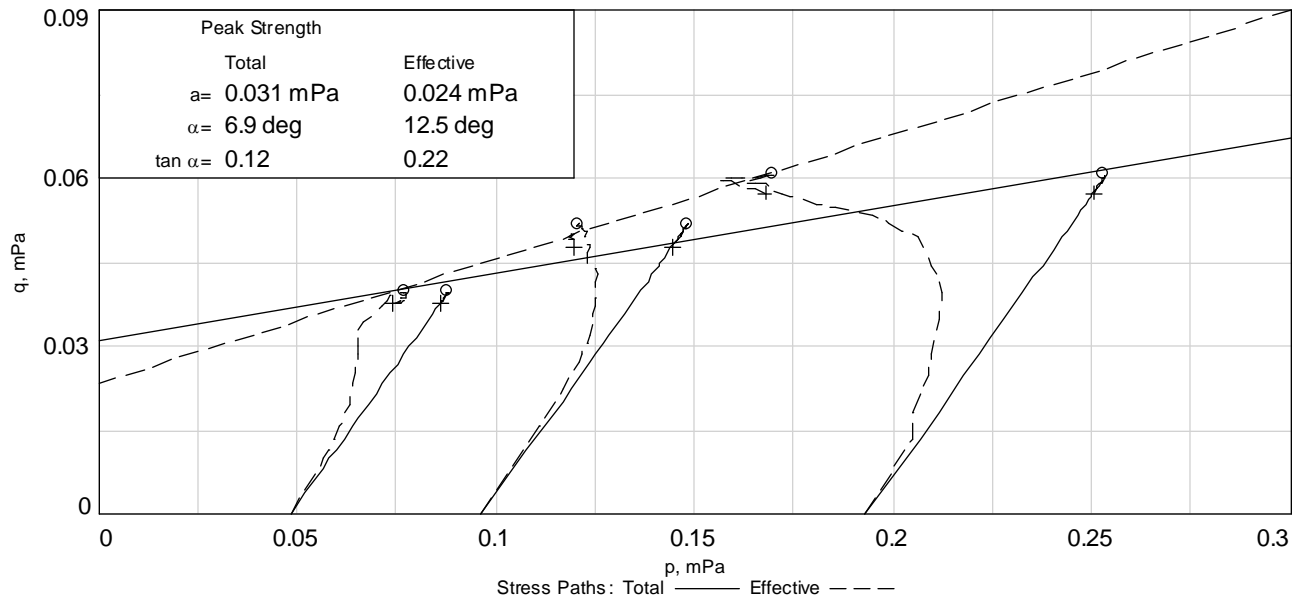
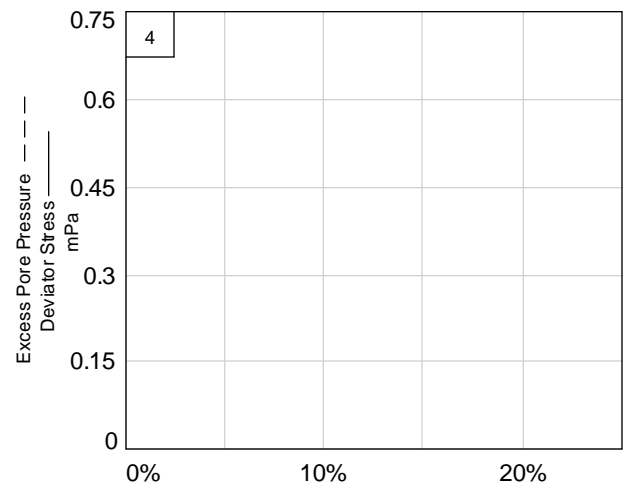
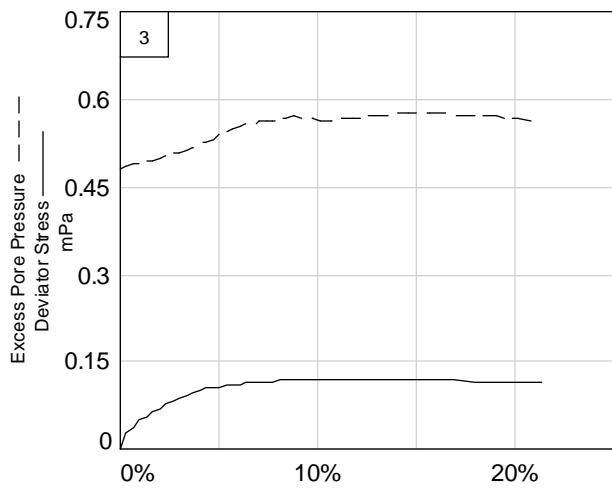
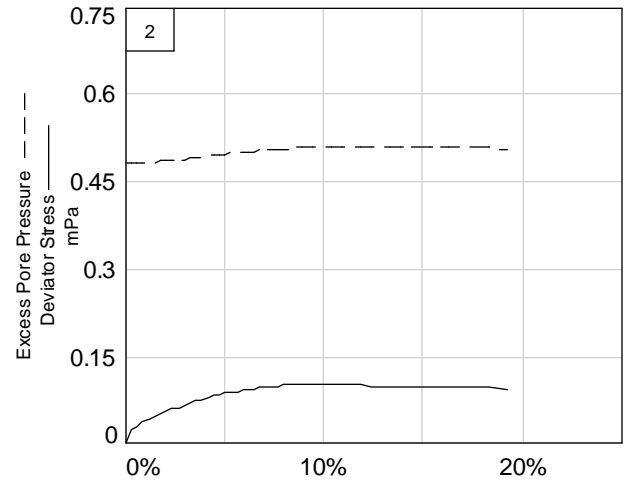
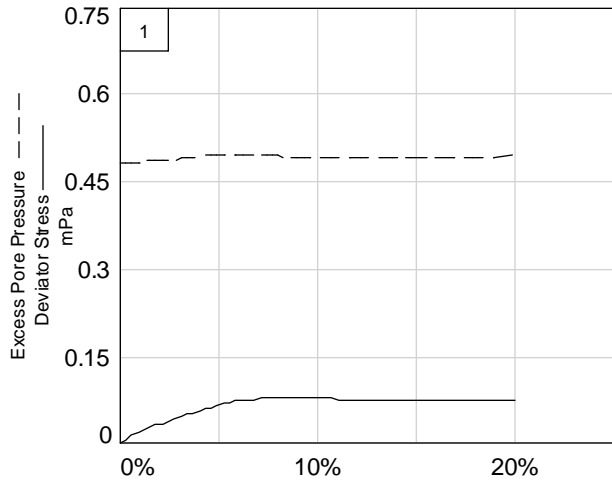
**Sample Type:** Undisturbed

No.	Fluid Press. psi		Fail. Stress, mPa		Ult. Stress, mPa		Principal Stresses at Failure mPa	
	Cell	Back	Deviator	Total Pore Pressure	Deviator	Total Pore Pressure	$\bar{\sigma}_1$	$\bar{\sigma}_3$
1	77.000	70.000	0.07945	0.49366	0.07532	0.49366	0.11669	0.03723
2	84.000	70.000	0.10360	0.51021	0.09563	0.50745	0.17255	0.06895
3	98.000	70.000	0.12087	0.56606	0.11488	0.56537	0.23049	0.10963

No.	Consolidated Sample Parameters						
	% Water Content	Dry Dens. pcf	Saturation	Void Ratio	Diameter in.	Height in.	Strain rate in/min.
1	10.7	129.0	100.0%	0.2825	2.290	4.850	8.351
2	12.4	124.4	100.0%	0.3297	2.344	5.060	10.870
3	13.7	121.3	100.0%	0.3635	2.426	4.470	10.067

Mohr-Columb Strength Parameters	Material Description								
<table style="width: 100%;"> <tr> <td style="width: 50%;">Total</td> <td style="width: 50%;">Effective</td> </tr> <tr> <td>Strength intercept, <math>c = 0.03124</math> mPa</td> <td>0.02411 mPa</td> </tr> <tr> <td>Friction angle, <math>\phi = 6.91</math> deg</td> <td>12.79 deg</td> </tr> <tr> <td>Tangent, <math>\phi = 0.12</math></td> <td>0.23</td> </tr> </table>	Total	Effective	Strength intercept, $c = 0.03124$ mPa	0.02411 mPa	Friction angle, $\phi = 6.91$ deg	12.79 deg	Tangent, $\phi = 0.12$	0.23	Brown silty CLAY with traces of sand (CL)
Total	Effective								
Strength intercept, $c = 0.03124$ mPa	0.02411 mPa								
Friction angle, $\phi = 6.91$ deg	12.79 deg								
Tangent, $\phi = 0.12$	0.23								

<p><b>Client:</b> Rochester Parks and Recreation Department</p> <p><b>Project:</b> Riverview Boulevard South Extension</p> <p><b>Location:</b> Boring B-4</p> <p><b>Sample Number:</b> DEMOS      <b>Depth:</b> 5-7.5'</p>	<p><b>Date:</b> May 23, 1995</p> <p><b>File:</b> US Units</p> <p><b>Remarks:</b> Good sample, patched some side holes after trimming through sand particles</p>
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**Client:** Rochester Parks and Recreation Department

**Project:** Riverview Boulevard South Extension

**Location:** Boring B-4

**Depth:** 5-7.5'

**Sample Number:** DEMO5

**Project No.:** 42-8

Figure 1-2