Consolidation drained triaxial compression test with measurement of volume change

Location		Job ref.	
		Borehole/Pit no.	
Soil description		Sample No.	
		Depth	m
		Date	

Test method BS1377: Part 8: 1990 **Clause 8**

Pressure system no.	Membrane	Start compression	Failure	Max.deviator stress	Nominal σ_3' kPa
Cell no.	Thickness mm	L_c mm	Criterion*	Max.stress ratio	Cell pressure kPa
Machine no.	With/without*	A_c mm^2		Critical state	Machine speed mm/min
Force device no.	side drains	V_c cm^2		Axial strain of %	Rate of strain % per h

Date	Time	Axial Stain			Axial Force				Sample Volume			Area	Deviator stress			Principal stresses			A Coeff.	Stress Path*		
		Reading	ΔL mm	ε	Reading R	Diff-erence $R-R_o$	C_r N/div	P N	Reading R	Diff-erence $R-R_o$	ε_v	A_s mm^2	$(\sigma_1-\sigma_3)_m$ kPa	$\sigma_{mb}+\sigma_{dr}$ kPa	$(\sigma_1-\sigma_3)$ kPa	σ_1 kPa	σ_1' kPa	σ_3' kPa	Ratio σ_1'/σ_3'	$u-u_o$ $\sigma_1-\sigma_3$	s' kPa	t' kPa
			0	0		0		0		0					0				1			0

Operator	Checked	Approved

*Delete as appropriate