Hydraulic cell consolidation test : summary

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

Test method BS1377: Part 6: 1990 : **3.5,3.6,3.7,3.8**

Sample condition and quality	Nominal
Type of specimen Undisturbed/Compacted-dynamic/static*	Cell Diameter mm

Preparation procedure
remarks

Drainage conditions

Type of loading

Pore pressure measurement location

Saturation procedure
Pressure increments kPa Pressure differential kPa

Method of deriving cv

INITIAL SPECIMEN

Diameter	mm		Particle density measured/assumed*	Mg/m^3	
Height	mm				
Density	Mg/m^3		Voids ratio		
Moisture Content	%		Degree of Saturation	%	
Dry Density	Mg/m^3				
In-situ stresses:Total kPa			Effective kPa		

SATURATION

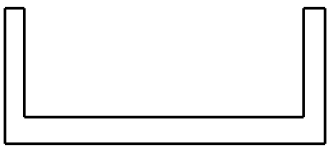
Swelling pressure kPa		Final-	Diaphragm pressure kPa
			Pore pressure kPa
Volume of water taken in mL			Ratio du/ds

CONSOLIDATION STAGES

Stage no	Diaphragm pressure	Back pressure	Final Effective Stress	Undrained loading: height change	Undrained loading: pwp change	End of consolidation: voids ratio	End of consolidation: dissipation	mv	cv: cro/cri
	kPa	kPa	kPa	mm	kPa		%	m^2/MN	$m^2/year$

AFTER TEST

Density	Mg/m^3	
Moisture Content	%	



Local moisture content %

Operator	Checked	Approved

*Delete as appropriate