Hydraulic cell consolidation test - specimen data

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**

Drainage conditions Vertical - one way/two way*
Radial - outwards/inwards*

Loading conditions: Free strain/equal strain*

Pore pressure measurement location

Type of specimen undisturbed/compacted - dynamically/statistically*

Preparation procedure

CELL DETAILS

External diameter	mm		Cell No.		
Thickness of peripheral drain*	mm		Mass of cell + baseplate	g	
Internal height	mm		Mass of peripheral drain*	g	
Thckness of top drainage disk*	mm		Mass of top discs	g	
Thickness of loading plate*	mm				

TEST SPECIMEN

Diameter	*D* mm		Area	*A* mm^2	
Top of cell to specimen	mm		Volume	$V_o cm^3$	
Height of cell	mm		Mass	$m_o g$	
Initial specimen height Ho			Density	$p Mg/m^3$	
Compacted Prepared	g		Moisture content	w_o%	
Specimen Surplus soil	g		Dry density	$p_o Mg/m^3$	
* Mass of specimen	g		Particle density Measured/assumed*	$p_s Mg/m^3$	
Initial degree of saturation S%			Initial void ratio	e_o	

WEIGHTINGS

		Initially			After test		
Reference		Specimen in cell			Specimen in cell		
Container no.							
Specimen + container	g						
Container	g						
Specimen	g	m_o			m_f		
Dry specimen	g						
Moisture	g						
Moisture content	g						
Average moisture content	%		w_o		w_f		

SPECIMEN AFTER TEST

Profile

Mean height	mm	
Volume	cm^3	
Mass	$m_f g$	
Density	Mg/m^3	
Moisture Content	w_f%	

Operator	Checked	Approved

Form 6A