



Site Investigation & Laboratory Services

Site	PARRYS QUARRY, SOURCE 1 - CELL 1	Contract No.	C5915
Client	White Rock Geo-environmental Limited	Hole ID	
Engineer		Sample	P4/L2/22P
		Depth (m)	C

**Non Engineering Description:** Reddish brown sandy very gravelly CLAY. Gravel is fine to coarse.

Sample Details:	Initial:	Final:
Diameter:	97.0 mm	96.0 mm
Height:	131.8 mm	130.4 mm
Moisture content:	15 %	14 %
Bulk density:	2.29 Mg/m <sup>3</sup>	2.36 Mg/m <sup>3</sup>
Dry density:	2.00 Mg/m <sup>3</sup>	2.07 Mg/m <sup>3</sup>
Sample condition:	Undisturbed	

**Saturation Stage:**

Initial pore pressure coefficient, B:	0.56
Final pore pressure coefficient, B:	0.98
Duration of stage:	6 days

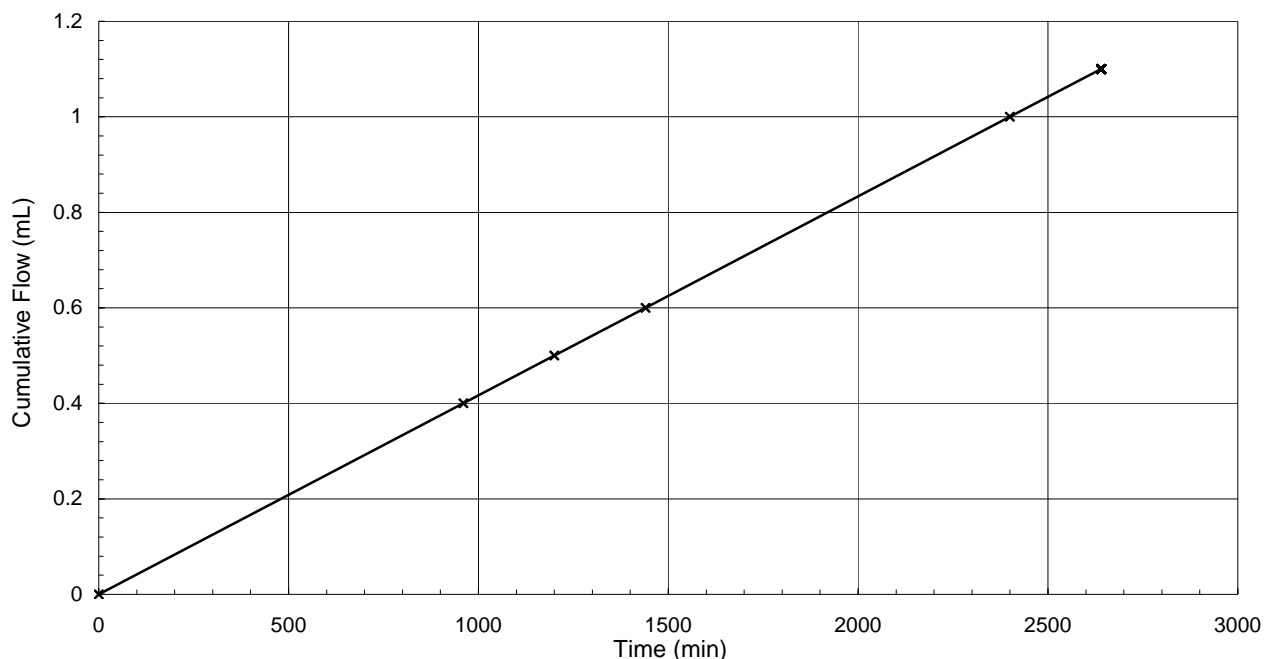
**Consolidation stage:**

Effective pressure:	200 kPa
Duration of stage:	3 days

**Permeability stage:**

Pressure difference across specimen:	20 kPa
Mean effective stress:	200 kPa
Duration of stage:	2 days

Coefficient of permeability at 20°C,  $K_v: 5.9 \times 10^{-11}$  m/s



Originator	Checked & Approved	<b>PERMEABILITY IN A TRIAXIAL CELL</b> BS1377 : Part 6 : Clause 6 : 1990 Permeability under constant head conditions in a triaxial cell	
CL	 24/01/2017		