Percolation Test Results – Martin Croft, Silkstone

Test pit details
Length – 2600mm
Width – 650mm
Depth – 2000mm
Plan Area – 1.69m2

Weathered sandstone
Weather – Dry and overcast

Test 1
Starting depth to water – 1470mm

Time (min)	Depth (mm)
0	1470
1	1700
2	1780
3	1860
4	1910
5	1950
	Dry

Effective storage volume of water in the trial pit – 0.8957m3
75% Effective depth – 1603mm from ground level
25% Effective depth – 1868mm from ground level
Time at 75% Effective depth – 1 minute
Time at 25% Effective depth – 3.5 minutes

Infiltration rate – 7.5 x 10-4 m/s

Test 2
Starting depth to water – 1420mm

Time (min)	Depth (mm)
0	1420
1	1560
2	1740
3	1810
4	1880
5	1890
	Dry

Effective storage volume of water in the trial pit – 0.8957m3
75% Effective depth – 1553mm from ground level
25% Effective depth – 1818mm from ground level
Time at 75% Effective depth – 1 minute
Time at 25% Effective depth – 3 minutes

Infiltration rate – 1.1 x 10-3 m/s

Test 3
Starting depth to water – 1190mm

Time (min)	Depth (mm)
0	1190
1	1470
2	1620
3	1690
6	1800
7	1820
	Dry

Effective storage volume of water in the trial pit – 1.183m3
75% Effective depth – 1365mm from ground level
25% Effective depth – 1715mm from ground level
Time at 75% Effective depth – 1 minute
Time at 25% Effective depth – 4 minutes

Infiltration rate – 7.3 x 10-4 m/s