

**PERCOLATION TEST RESULTS**

(A worked example is shown overleaf)

**Applicant name:** OLIVER SAWLE  
**Site address:** LAND AT GREEN LANE FARM, MAWLA, REDRUTH

**Building Regulation application number:**

**STAGE 1** – Calculation of the average time for the water to soakaway and calculation of the Vp

|   | Hole 1 | Hole 2 | Hole 3 | Total Time (Seconds) |
|---|--------|--------|--------|----------------------|
| Time taken in seconds for the water level to drop from 75% full to 25% full (225mm to 75mm) | 7,050  | 7,900  | 8,767  | 23,717               |

| Total time (seconds)    | Average time               |
|-------------------------|----------------------------|
| $23,717 \div 3 = 7,906$ | $\div 150 = 53 \text{ Vp}$ |

**STAGE 2** - Calculation of the area of the drainage trench required (M2)

| Potential number of occupants* | Percolation test result (Vp)   |
|--------------------------------|--------------------------------|
| $5 \times 53 = 265$            | $\times 0.25 = 67 \text{ m}^2$ |

\* A single dwelling up to three bedrooms is considered to have 5 occupants. One extra person is added for each bedroom over three. Where this calculation will exceed 12 people please contact Building Control for advice.