

## Old Manse, Guilsfield, Welshpool.

### Percolation Test

Date of tests – week commencing 4<sup>th</sup> March 2024

Weather conditions – Intermittent rainfall.

Ground conditions – See photographs below.

Depth of test hole – c. 900mm below ground level.

Water table – not encountered

Tests conducted in accordance with BS6297 on behalf of Mr Martin Mitten

Test location in position of intended soakaway system.

Test 1  $5400/250 = 21.60$  sec/mm

Test 2  $5560/250 = 22.24$

Test 3  $5600/250 = 22.40$

Average test result (Vp) = **22.08 sec/mm**

### Septic Tank

To be minimum 5 person capacity bottle tank. *Klargester 2800 litre Alpha tank* or similar approved.

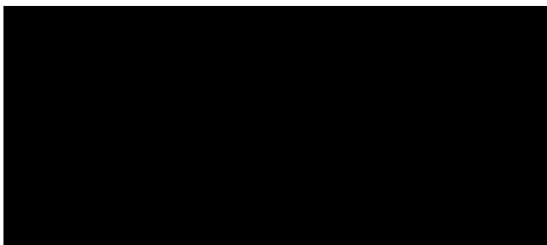
### Size of Soakaway

3 Bedroom house = Design capacity = 5 people

For a design population of 5 people, minimum soakaway area =  $5 * 22.08 * 0.25 = 27.6\text{sq.m}$

Trench length, based on 600mm width trench =  $27.6/0.6 = 46\text{m}$  Soakaway trench.

Invert of soakaway to average 900mm.



G D Humphreys FRICS

Dated this 11<sup>th</sup> Day of March 2024



Trial excavation





Excavated spoil





