

FAO Sharon Holman
WCBC
Planning Department,
First Floor,
16 Lord Street,
Wrexham.
LL11 1LG

Our Ref: W093/012
01st September 2016

Dear Sharon:

Re: Proposed development at Wrights Garage, Hall Street, Penycae, Wrexham. LL14 2RU.

Please see below results from percolation tests undertaken on site.

2 separate test holes where provided on site to the following dimensions: 300mm x 300mm x 300mm deep. Three separate tests where undertaken. Those test results are recorded below.



Picture for illustration purposes only

Test 1:

The water level took 1hr & 54 minutes to fall between markers set at 75% full and 25% full. Converted into seconds for the purposes of the calculation we are left with the figure of 6840.

The VP is then calculated by dividing the time by 150 in test 1 case 6840/150.

A VP of 45.6 is calculated.

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Test 2:

The water level took 2hr & 6 minutes to fall between markers set at 75% full and 25% full. Converted into seconds for the purposes of the calculation we are left with the figure of 7560.

$7560/150$.

A VP of 50.4 is calculated.

Test 3:

The water level took 2hr & 2 minutes to fall between markers set at 75% full and 25% full. Converted into seconds for the purposes of the calculation we are left with the figure of 7320.

$7320/150$

Vp = 48.8 (percolation value)

Calculating and average over the 3 test results adding all VP's together and dividing by 3.

$45.6 + 50.4 + 48.8 = 144.8$

$144.8 / 3 = 48.26 = \text{Average VP}$

The above information provides evidence that soakaways will disperse rainwater effectively. Sizes of soakaways to be determined by building control.

Should you have any queries regarding the proposal please do not hesitate to contact the office at your convenience.

Yours faithfully



Dafydd Edwards ACIOB
Senior Architectural Technician
for blueprint architectural services