blueprint architectural services

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Our Ref: H178-005
14th September 2026

Dear Sir/Madam

Re: P/2026/0409 Bryn y Cabanau Farm, Barn conversion to create 4 bedroom dwelling.

Please see below results from percolation tests undertaken at the above-mentioned site.

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

Test 1:

The water level took 65 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 4225.

The VP is then calculated by dividing the time by 150 in test 1 case 4225/150.

A VP of 28.1 is calculated.

Test 2:

The water level took 98 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 5880.

5880/150.

A VP of 39.2 is calculated.

Test 3:

The water level took 139 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 8340.

8340/150

Vp = 55.6 (percolation value)

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

28.1 + 39.2 + 55.6 = 72.9

174 / 3 = 24.3 = Average VP

The above information provides evidence that a drainage field will disperse the clear water outfall from the treatment plant effectively.

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

Yours faithfully



Dafydd Edwards
Senior Architectural Technician
for blueprint architectural services