

EFFLUENT LAND DRAINAGE SYSTEM

DETAILS TO ACCOMPANY PLANNING APPLICATION FOR
DOMESTIC SEWAGE TREATMENT WORKS.

1. LOCATION OF PROPOSED DEVELOPMENT: Land. Adj. Plas Coch,
Cefn Coch, Welshpool

2. ATTACH PLAN SHOWING CONTOUR LEVELS ON SITE.

3. DESCRIPTION OF SOIL: Yellow clay over Mudrock

4. PERCOLATION TEST - BSI Code of practice BS.6297 : 1983

a) This test must be witnessed and authenticated by a suitably qualified person such as a Chartered Surveyor or Hydrologist.

b) The test should not be undertaken immediately after or during abnormal weather conditions.

c) Test Procedure

(i) Excavate a hole 300mm square to a depth 250mm below the proposed invert level of the land drain. Where deep drains are necessary, the hole should conform to this shape at the bottom but may be enlarged above the 250mm level, to enable safe excavation to be carried out.

(ii) Fill the 300mm section completely with water and allow to seep away overnight.

(iii) Next day, refill the test section with water to a depth of at least 250mm and observe the time in seconds for the water to seep away completely.

(iv) Divide this time by the depth in mm of the water placed in the hole. Carry out the test at least three times and take the average figure.

Test No. 1 $\frac{8700}{250}$ secs/mm = 34.8

Test No. 2 $\frac{9100}{250}$ secs/mm = 36.4

Test No. 3 $\frac{9280}{250}$ secs/mm = 37.1

Ave. Result = 36.1

I have  the result indicated is correct.

Signature  FRIES

Address Church Street

Welshpool SY21 7LH

On behalf of: Mr C A Isaac

Date of test: Wk of 27/02/2012

Return to the Montgomeryshire Planning Officer.