

Land at Rose Cottage, Ivy House Lane, Gorsley
Foul water drainage

Foul water is to discharge into a UK12 Tricel Novo or similar wastewater treatment plant, which is suitable for 12 people.

The tank is to be sited at least 10.0m away from the proposed dwelling, and within 30.0m of the drive to enable vehicle access for emptying and cleaning sludge.

Determination of the drainage field required.

Percolation tests were undertaken, as detailed in the surface water treatment document, with an infiltration rate of 3480 metres per seconds being used.

To determine the average time for the water to drop 1mm (Vp), divide 3480 by 150mm depth of water = 23.2.

The Vp range should be between 12 and 100 to be successful.

Area of drainage trench required

Number of persons using property x Vp x 0.2

12 persons x 23.2 x 0.2 = 55.68m² of drainage field is required.

Actual length of drainage trench

55.68m² / 0.6m wide trench = 92.8m