

Combined *Harvesters* .CO.UK

-Rainwater Harvesting and Stormwater Management Solutions-



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Percolation test procedure

A hole 300mm x 300mm should be excavated to a depth 500mm below the proposed invert level of the effluent distribution pipe. Where deep drains are necessary the hole should conform to this shape at the bottom, but may be enlarged above the 500mm level to enable safe excavation to be carried out. Where deep excavations are necessary a modified test procedure may be adopted using an earth auger. Bore the test hole vertically to the appropriate depth taking care to re-move all loose debris.

Fill the 300mm x 300mm section of the hole to a depth of at least 500mm with water and allow it to seep away overnight. Next day, refill the test section with water to a depth of at least 500mm and observe the time, in seconds, for the water to seep away from 75% full to 25% full level (i.e. a depth of 250mm). Divide this time by 250mm. The answer gives the average time in seconds required for the water to drop 1mm.

The test should be carried out at least three times with at least two trial holes. The average figure from the tests should be taken. The test should not be carried out during abnormal weather conditions such as heavy rain, severe frost or drought.