Percolation Test Recording Sheet

29 APR 2021

1. These tests should be carried out within and be representative of, the proposed infiltration area which should be at least 5m from the intended building and any boundary.

2. Excavate 2 percolation holes, not less than 5m apart , 300mm square to a depth of 300mm below the proposed invert level of the effluent distribution pipe. Where deep holes are necessary, the hole should conform to this shape at the bottom but may be enlarged above the 300mm level to enable safe excavation to be carried out.

3. Fill the 300mm square section of the holes to a depth of at least 300mm with water and allow it to seep away overnight. It is important to saturate the soil surrounding the test hole to simulate day to day conditions in an operational drainage field.

4. Next day, refill the test sections with water to a depth of at least 300mm and observe the time (T) in seconds, for the water to seep away from 75% to 25% full level.

5. Extreme weather conditions should be avoided when testing.

6. In evaluating your test results please note that where the Vp value does not fall between 15 secs/mm and 100secs/mm then infiltration trench or bed systems may not be possible.

Trial Hole	Depth below ground level	Depth of Water (minimum 300mm)	Time taken between 75% & 25% full(seconds) (T)	Percolation Value Vp=T/150 (Vp)	Occupant Capacity (P)	Minimum Area A=P x Vp x 0.25 (A)
1	(Test 1)	300	9100			
	(Test 2)	300	9600			
	(Test 3)	300	8100	=5900	12	177m²
2	(Test 1)	300	9300			
	(Test 2)	300	9100			
	(Test 3)	300	9400	= 6100	12	118m²
			Average Vp		Average A	m²

NB For wastewater that has received secondary treatment followed by settlement, the area may be reduced by 20% i.e. A = P x Vp x 0.2

Site Location: Greenland Views TR3 7DB

Description of ground strata: Soil & Sand

Warrant Ref. Number if known: _____ Date test carried out: 23rd April 2020

Name of person carrying out the test: 2

The water table is more than 1m below the bottom of the distribution pipes and I further confirm that there are no wells, springs or water abstraction points within 100m of the proposed infiltration area.

PA21/01178