

Foul Water Drainage Field Percolation Test and Groundwater Assessment

Test to be carried out at least **3 times** in two holes

Job number: 378677
Test Date: 23-Jan-24
Customer: McCarneys
Address: Land at Round Oak Cottage
 Burford
 Tenbury Wells
 WR15 8HW

Population (plant): 5
Plant Type: Septic Tank Sewage Treatment Plant 1 x 3Bed
Planned Invert Depth: 0.6 M

Weather conditions:
Ground conditions:
Engineers on Site:

Standing Groundwater Assessment
 Hole Depth: 2 m
 Hole Area: 1.2 m²
 Estimated Groundwater Table Depth Below ground: >2m m
 Estimated Groundwater Table Depth Below Invert: >1.4m m

Percolation Test

	Time	Time	Drop	Time of Drop	Time to Drop
Hole One	Start	Finish	mm	Sec	Sec/mm
1	08:10	08:33	150	1,380	9
2	09:15	10:09	150	3,240	22
3	11:01	12:06	150	3,900	26
Hole Two					
1	08:18	12:08	0	13,800	
2			0	-	#DIV/0!
3			0	-	#DIV/0!
Hole Three					
1			0	-	#DIV/0!
2			0	-	#DIV/0!
3			0	-	#DIV/0!
Average					19

Average time of drop Vp: 19 sec/mm
Vp >15 and <100 sec/mm: Yes

Drainage Floor Area of infiltration field for Septic Tank: $V_p \times 0.25 \times \text{Number of People}$ m²

Drainage Floor Area of infiltration field for Sewage Treatment Plant: $V_p \times 0.2 \times \text{Number of people}$ m²

Infiltration field to be installed in line with Building regulations and BS6297

Infiltration field to be installed in area of Hole 1. NOT in area of Hole 2.

19/02/2024 

Planned Invert Depth assumed

Only one Percolation trial hole was completed.

Testing was carried out in line with BS 6297 or Building Regulations Approved Document H