

PERCOLATION TEST RESULTS

Full Application

PROJECT: Replacement Dwelling
Pipistrelles, Holewell Lane, Cheriton Bishop. EX6 6HW

CLIENT: Mr Jeffery + Ms Wells

DATE: 09 October 2022

Applicant Name: Mr Jeffery + Ms Wells

Site Address: Pipistrelles, Holewell Lane, Cheriton Bishop. EX6 6HW

STAGE 1 – Calculation of the average time for the water to soakaway and calculation of the Vp

Time taken in seconds for the water level to drop from 75% full to 25% full (225mm to 75mm)	Trial Hole 1	Test 1 5230	Test 2 5195	Test 3 5305	Total Time 15730
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Time taken in seconds for the water level to drop from 75% full to 25% full (225mm to 75mm)	Trial Hole 2	Test 1 5410	Test 2 5390	Test 3 5385	Total Time 16185
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Time taken in seconds for the water level to drop from 75% full to 25% full (225mm to 75mm)	Trial Hole 3	Test 1 5370	Test 2 5405	Test 3 5365	Total Time 16140
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					48055
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Total time (seconds)			Average time		
48055	÷	9	=	5339	÷ 150 = 36 Vp

STAGE 2 - Calculation of the area of the drainage trench required (M2)

Potential number of occupants*			Percolation test result (Vp)		
8	X	36	=	288	X 0.25 = 72 m ²

* A single dwelling up to three bedrooms is considered to have 5 occupants. One extra person is added for each bedroom over three.