Foul Water Drainage Field Percolation Test and Groundwater Assessment

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

Job number:	**289327**
Date:	**23-Nov-21**
Customer:	Sheehan Holdings Ltd
Address:	Fir View Caravan Park
	Welshpool
	SY21 0LT

Population (plant):	250	
Plant Type	STP	
Planned Invert Depth		M

Weather conditions	Dry+Frost
Ground conditions	Stoney Clay
Engineers on Site	Mike Wood

Standing Groundwater Assessment

Hole Depth	2	m
Hole Area	0.6 x 1.9=1.14	m2
Estimated Groundwater Table Depth Below ground	>2	m
Estimated Groundwater Table Depth Below Invert		m

Percolation Test

	Time	Time	Drop	Time of Drop	Time to Drop
Hole Three	**Start**	**Finish**	**mm**	**Sec**	**Sec/mm**
1	8:33	9:25	150	3,120	21
2	10:00	11:02	150	3,720	25
3	11:54	13:04	150	4,200	28
Hole Four					
1	8:33	9:29	150	3,360	22
2	10:05	11:11	150	3,960	26
3	11:55	13:12	150	4,620	31
Hole Five					
1	8:34	9:53	150	4,740	32
2	10:07	11:31	150	5,040	34
3	12:01	13:29	150	5,280	35
Hole Six					
1	8:35	9:27	150	3,120	21
2	9:57	10:57	150	3,600	24
3	11:25	12:38	150	4,380	29
				Average	27.3

Average time of drop Vp		28	**sec/mm**
Vp >12 and <100 sec/mm		Yes	
Area of infiltration field for Septic Tank installed to BS6297	**Vp x 0.25 x Number of People**	N/A	**m2**
Area of infiltration field for Sewage Treatment Plant installed to BS6297	**Vp x 0.2 x Number of people**	1400	**m2**

Michael Attwood