



**Ground and Environmental Services Limited**  
Unit 2 Montpelier Business Park  
Dencora Way  
Ashford  
Kent  
TN23 4FG  
01233 646237

Rob Fountain

Date: 4<sup>th</sup> April 2024

Our ref: 13249

Dear Rob,

**RE: 58 Albany Park Road, Kingston-Upon-Thames**

### **Introduction**

Ground and Environmental Services Ltd (GES) was commissioned by Rob Fountain to undertake soakage testing to the rear of 58 Albany Park Road.

The purpose of the ground investigation was to carry out soakage testing in order to obtain infiltration characteristics for use in assessing the feasibility of adopting shallow soakaways.

This report specifically excludes comment or advice with regards to contaminated land or pollution related issues.

### **Fieldwork**

The site works were carried out on the 3<sup>rd</sup> April 2024 and comprised the following:

- BRE DG365 Soakage Testing;

### **Trial Pitting**

One trial pit SP1 was excavated to a depth of 1.53m begl by hand prior to the arrival of a GES engineer.

### **Soakage Testing**

Infiltration testing was carried out in the trial pit(SP1) using water pumped from a 2000L water bowser. The test was carried out in accordance with the methodology given in BRE DG365 'Soakaway design' and comprised discharging water into the trial excavation and monitoring the fall in water level against time.

The results are appended and are summarised below:

Trial Pit ID	Test No	Test Depth (m)	Test duration (minutes)	Volume of water drained (%)	Infiltration rate (m/s)	Comment
SP 1	1	0.84 – 1.53	84	76	$2.96 \times 10^{-5}$	Moderate to Good Infiltration potential – complete test
SP 1	2	0.91 – 1.53	78	152	$2.04 \times 10^{-5}$	Moderate Infiltration potential – complete test
SP 1	3	0.815 – 1.53	108	139	$1.99 \times 10^{-5}$	Moderate Infiltration potential – complete test

We trust that this is satisfactory and addresses your requirements, but should you have any queries please do not hesitate to contact this office. We look forward to hearing from you in the near future.

Yours sincerely,

Steve Perham  
Senior Site Technician  
Ground and Environmental Services Limited

Enc:  
Trial Pit Log  
Soakage Test Results





**SOAKAWAY TESTING**

Test in accordance with BRE 365 Guidelines

**Project Number:** 13249 **Client:** Rob Fountain

**SP1**  
**Test 1 of 3**

**Site:** 58 Albany Park Road

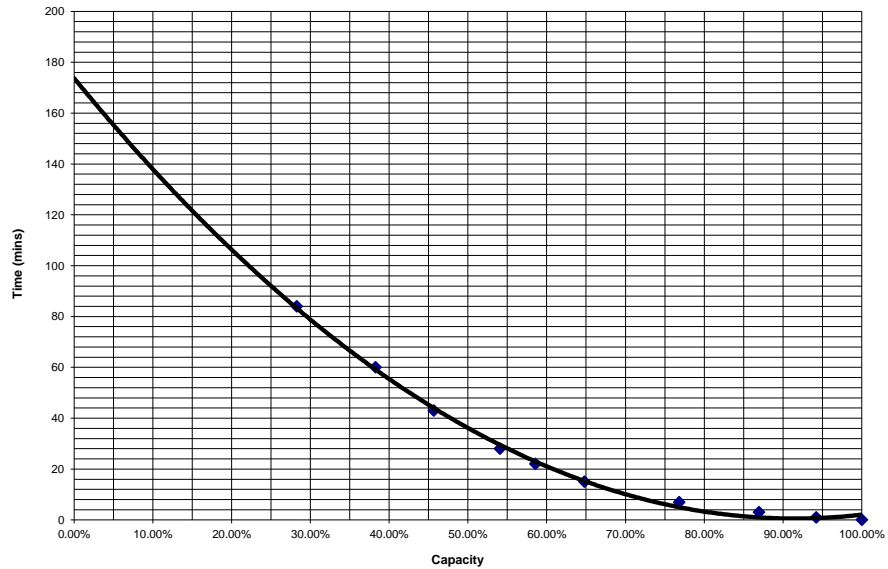
**Weather:** Overcast with some light rain **Date of Test:** 03/04/2024

**Trial Pit Dimensions:**

Width (m): 1.05 Length (m): 1.05  
 Depth (m): 1.53 Invert Depth (m): 0.84  
 Drainage time of test (mins): 84 (72% Drained)

**Soakage Results:**

Depth	(%)	Time
0.84	100.00%	0
0.88	94.20%	1
0.93	86.96%	3
1	76.81%	7
1.083	64.78%	15
1.126	58.55%	22
1.157	54.06%	28
1.215	45.65%	43
1.266	38.26%	60
1.335	28.26%	84



**Infiltration rate:**

Depth (B.G.L) (m)	Infiltration Rate (m/s)
0.84 - 1.53	2.96E-05

**Departures from the specified test method:**

**Remarks:** Moderate to Good Infiltration potential

**Authorised Signatory:** *P. A. G. Payne* **Date:** 04/04/2024



**SOAKAWAY TESTING**

Test in accordance with BRE 365 Guidelines

**Project Number:** 13249 **Client:** Rob Fountain

**SP1**  
**Test 2 of 3**

**Site:** 58 Albany Park Road

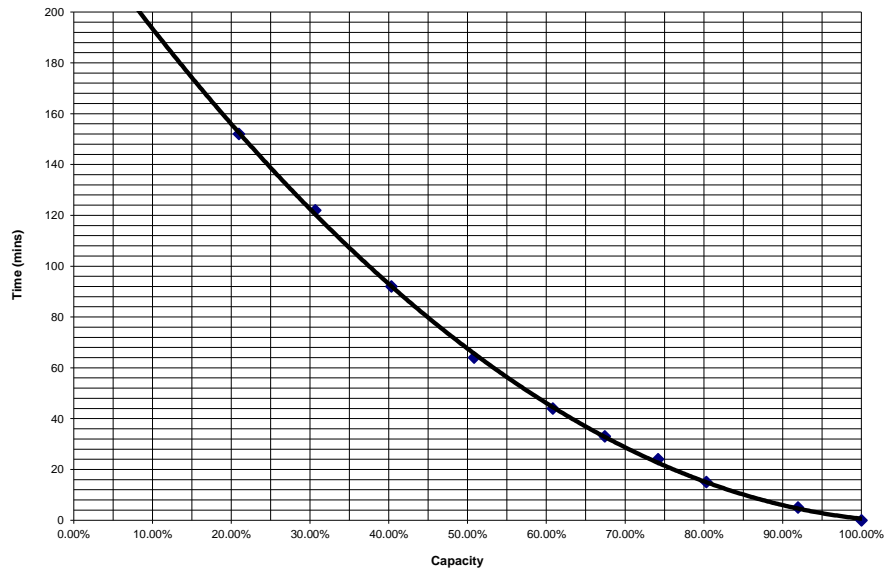
**Weather:** Overcast with some light rain **Date of Test:** 03/04/2024

**Trial Pit Dimensions:**

Width (m): 1.05 Length (m): 1.05  
 Depth (m): 1.53 Invert Depth (m): 0.91  
 Drainage time of test (mins): 152 (79% Drained)

**Soakage Results:**

Depth	(%)	Time
0.91	100.00%	0
0.96	91.94%	5
1.032	80.32%	15
1.07	74.19%	24
1.112	67.42%	33
1.153	60.81%	44
1.215	50.81%	64
1.28	40.32%	92
1.34	30.65%	122
1.4	20.97%	152



**Infiltration rate:**

Depth (B.G.L) (m)	Infiltration Rate (m/s)
0.91 - 1.53	2.04E-05

**Departures from the specified test method:**

**Remarks:** Moderate Infiltration potential

**Authorised Signatory:**

*P. A. V. Payne*

**Date:** 04/04/2024



**SOAKAWAY TESTING**

Test in accordance with BRE 365 Guidelines

**Project Number:** 13249 **Client:** Rob Fountain

**SP1**  
**Test 3 of 3**

**Site:** 58 Albany Park Road

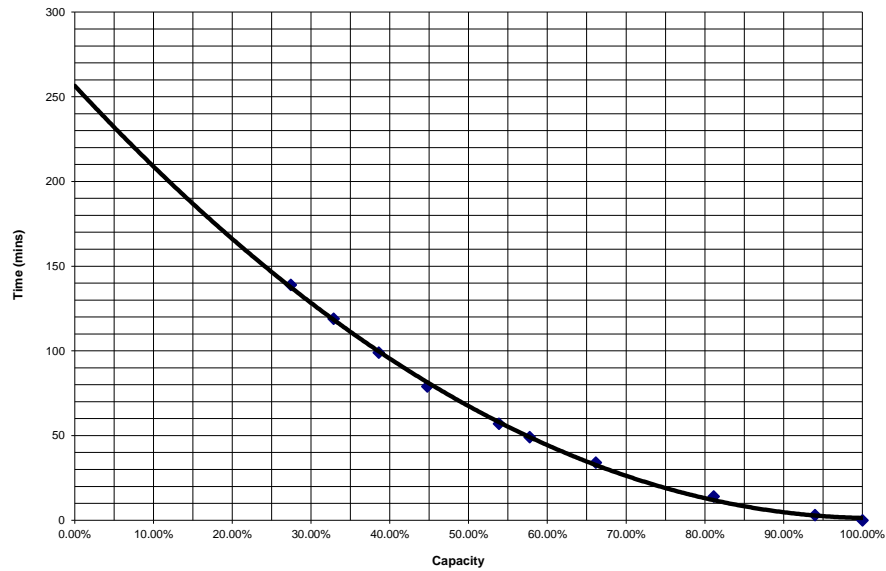
**Weather:** Overcast with some light rain **Date of Test:** 03/04/2024

**Trial Pit Dimensions:**

Width (m): 1.05 Length (m): 1.05  
 Depth (m): 1.53 Invert Depth (m): 0.815  
 Drainage time of test (mins): 139 (73% Drained)

**Soakage Results:**

Depth	(%)	Time
0.815	100.00%	0
0.858	93.99%	3
0.95	81.12%	14
1.057	66.15%	34
1.117	57.76%	49
1.145	53.85%	57
1.21	44.76%	79
1.254	38.60%	99
1.295	32.87%	119
1.334	27.41%	139



1.53

**Infiltration rate:**

Depth (B.G.L) (m)	Infiltration Rate (m/s)
0.815 - 1.53	1.99E-05

**Departures from the specified test method:**

**Remarks:** Moderate Infiltration potential

**Authorised Signatory:**

**Date:** 04/04/2024