

Little Orchard, Lower Kingsdown Road, Kingsdown, Corsham SN13 8BD

BRE365 INFILTRATION TESTING



Mr. Pim de Witte

November 2025

P25-339inf

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ISSUE	DATE	Written by:	Comment
1	20/11/2025	Edoardo Angelone MSc FGS	-
		Reviewed and approved by	
		Matt Paddock MSc FGS	
For and on behalf of Paddock Geo Engineering Limited			

APPENDICES

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1.0 INTRODUCTION

Further to instructions received from Mr. Pim de Witte; the Client, infiltration testing has been carried out to the BRE365 methodology in relation to assessing the infiltration properties of the underlying ground on the subject site referred as Little Orchard, Lower Kingsdown Road, Kingsdown, Corsham SN13 8BD.

1.1 Objectives

This assessment has been carried out to a scope of works as detailed by the Client prior to commencement. The assessment has been designed to assess the infiltration properties of the near surface strata and determine feasibility of soakaways design if applicable.

1.2 Scope of Works

The works comprised the forming of 2no. machine excavated trial pit, with infiltration testing carried out in accordance with the BRE365 methodology.

1.3 Terms of Reference

The assessment has been carried out generally in accordance with the following guidance.

- BRE Digest 365 – Soakaway Design 2016
- BS5930: 2015 - Code of Practice for Site Investigations, British Standards Institution

2.0 SITE DESCRIPTION

The site is situated within Kingsdown village, approximately 3km east of Batheaston town centre and around 6.9km southwest of Corsham town centre. It comprises an irregularly shaped plot that moderately slopes northwest, consistent with the surrounding topography. The southern portion of the site is occupied by a residential dwelling, with the rear garden extending northwards.

The area investigated is located within the northern section of the rear garden and was accessed via Wormcliff Lane, through a neighbouring private property.

2.1 Sitework

The sitework was carried out on 5th November 2025 and involved the forming of 2no. machine excavated trial pits (SA01 to SA02) to depth between 0.90m and 2.00m below ground level (bgl) with infiltration testing conducted in accordance with the BRE365 methodology.

The trial pits were formed in locations indicated by the Client's Engineer and in areas clear of obstruction and any buried services following a Cable Avoidance Tool (CAT) and Signal Generator survey. The testing locations are indicated on the enclosed Exploratory Location Plan presented in Appendix A.

The trial pits arisings were logged by a Geotechnical Engineer generally in accordance with BS5930:2015. No samples were recovered from the exploratory points.

The trial pits were reinstated upon completion of testing with compacted arisings.

Report on behalf of Mr. Pim de Witte

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2.2 Encountered Strata

A log of the trial pits, and an exploratory Location Plan showing the positions investigated are presented in Appendix B and A respectively.

The strata encountered within the Trial Pits is summarised in the table below. These details are also included on the Trial Pit and Borehole Logs presented in Appendix B.

Table 1: Encountered Strata

Encountered Strata – Trial Pit Strata	Exploratory Hole and Basal Depth (m bgl)	
	SA1	SA2
TOPSOIL Vegetation onto dark grey brown slightly sandy organic CLAY with frequent rootlets and roots up to 40mm diameter.	0.35	0.30
LANDSLIP DEPOSIT Brown slightly sandy silty CLAY with occasional limestone up to medium gravel size.	1.70	0.60
LANDSLIP DEPOSIT Brown slightly sandy gravelly CLAY. Gravel is fine to coarse subangular to subrounded limestone.	2.00	0.90
Total Depth (m bgl)	2.00	0.90

2.3 Groundwater Details

Groundwater was not encountered within any exploration points to the maximum depth investigated of 2.00m bgl.

It should be noted that groundwater levels may vary seasonally and with other factors. The reviewer should satisfy themselves with the groundwater levels at the time of any construction works.

3.0 LABORATORY ANALYSIS

Samples were not recovered from the arisings and laboratory analysis was not carried out.

4.0 INFILTRATION TESTING

4.1 Surface Water Soakaways

Infiltration testing was carried out within the trial pits (SA1 and SA2) to the BRE365 methodology to provide an estimate infiltration factor for the subject site. The trial pits were formed at depths between 0.90m and 2.00m bgl and filled between 0.40m and 0.50m of water at its base to limit the amount water used and reduce the likelihood of trial pit instabilities.

Three successfully cycles were carried out within both trial pits, and the test results are summarised in the table 2 and within Appendix D.

Table 2: Infiltration Factors

Trial Pit	Soil Tested	Tested Depth (m bgl)	Infiltration Factor (ms^{-1})		
			Cycle 1	Cycle 2	Cycle 3
SA01	Landslip Deposit	c.1.50 – 2.00	1.68×10^{-5}	1.25×10^{-5}	1.17×10^{-5}
SA02		0.60 – 1.05	4.80×10^{-5}	3.58×10^{-5}	2.98×10^{-5}

Given the result of the infiltration tests, it is considered that conventional soakaways may be effective within the shallow Landslip Deposit soils underlying the northern portion of the site.

General Notes

This report is produced for the sole use of the Client, and no responsibility of any kind, whether for negligence or otherwise, can be accepted for any Third Party who may rely upon it.

The conclusions and recommendations given in this report are based on our understanding of the future plans for the site and based on a scope of works agreed by the Client and afforded by the agreed budget. No responsibility is accepted for conditions not encountered, which are between exploratory points or outside of the agreed scope of work or if construction is commenced before regulatory approval of designs.

The report has been prepared following the guidelines and principles established in the British Standards, BS 5930, CIRIA Guidance and NHBC Standards. It necessarily relies on the co-operation of other organisations and the free availability of information and total access. No responsibility can, therefore, be accepted for conditions arising from information that was inaccurate or not available to the investigating team as a result of information being withheld or access being denied.

This report may suggest an opinion on a suspected configuration of strata or conditions between exploratory points and below the maximum depth of investigation. However, this is for guidance only and no liability can be accepted for its accuracy. Comments on the groundwater conditions are based on observations made at the time of the investigation unless otherwise stated. It should be noted, however, that groundwater levels might vary due to seasonal or other effects.

APPENDIX A

Exploration Points Location Plan

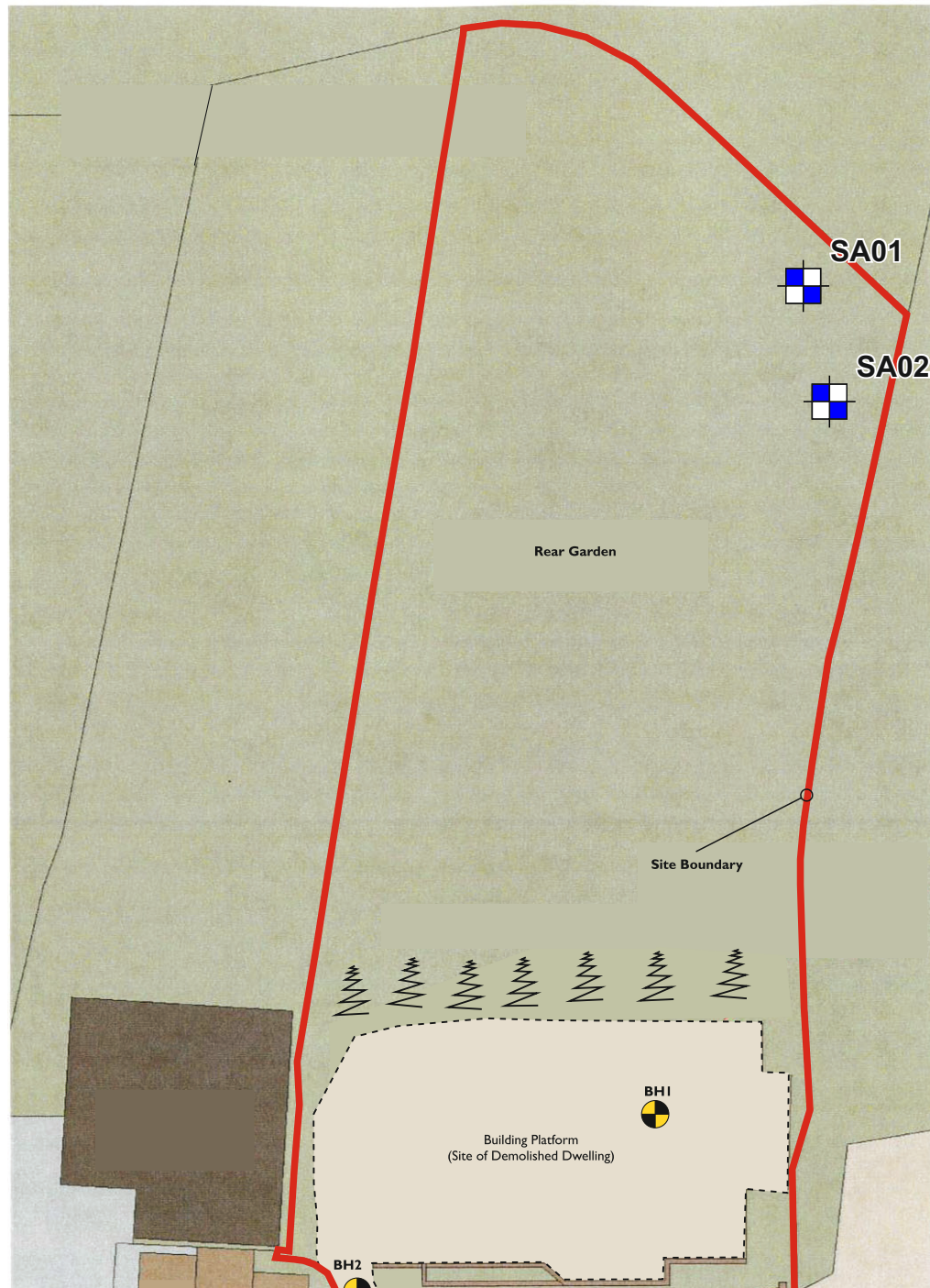
Exploratory Point Location Plan

P25-339

**Little Orchard,
Lower Kingsdown Road,
Kingsdown, Corsham
SN13 8BD**

Mr. Pim de Witte

November 2025



Legend:



Notes:

- 1) Not to scale
- 2) Dimensions as shown
- 3) All positions are approximate
- 4) Drawing to be viewed in colour
- 5) Drawing to be viewed digitally
- 6) Not for construction detail
- 7) Based on plans provided the Client

APPENDIX B

Trial Pit Logs

Excavation Method 2.5 Tonne Excavator	Dimensions 0.30 x 2.30	Ground Level (mOD)	Client Mr. Pim de Witte	Job Number P25-339
	Location	Dates 05/11/2025	Engineer	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.35)	Vegetation onto dark grey brown slightly sandy organic CLAY with frequent rootlets and roots up to 40mm diameter. (TOPSOIL)		
					0.35	Brown mottled white slightly sandy gravelly CLAY. Gravel is fine to coarse subangular to subrounded limestone. (LANDSLIP)		
					(1.35)	...frequent rootlets and roots up to 3mm encountered up to 1.00m depth		
					1.70	Light brown slightly sandy gravelly silty CLAY with low cobble content. Gravel is fine to coarse angular to subangular limestone. (LANDSLIP)		
					(0.30)			
					2.00	Complete at 2.00m		



Remarks

Infiltration test carried out to the BRE365 methodology
Trial pit terminated at 2.00m depth
Trial pit backfilled with arising
No groundwater encountered
Trial pit stable upon completion

Logged in accordance BS5930:2015

Scale (approx)	Logged By	Figure No.
1:25		P25-339.SA01

PADDOCK GEO ENGINEERING						Site Little Orchard, Lower Kingsdown Road, Kingsdown, Corsham SN13 8BD		Trial Pit Number SA02	
Excavation Method 2.5 Tonne Excavator		Dimensions 0.30 x 2.00		Ground Level (mOD)		Client Mr. Pim de Witte		Job Number P25-339	
		Location				Dates 05/11/2025		Engineer	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.30)	Vegetation onto dark grey brown slightly sandy organic CLAY with frequent rootlets and roots up to 40mm diameter. (TOPSOIL)			
					0.30 (0.30)	Brown slightly sandy silty CLAY with occasional limestone up to medium gravel size. (LANDSLIP)			
					0.60 (0.30)	Brown slightly sandy gravelly CLAY. Gravel is fine to coarse subangular to subrounded limestone. (LANDSLIP)			
					0.90	Complete at 0.90m			



Remarks Infiltration test carried out to the BRE365 methodology Trial pit terminated at 0.90m depth Trial pit backfilled with arising No groundwater encountered Trial pit stable upon completion Logged in accordance BS5930:2015		
Scale (approx) 1:25	Logged By	Figure No. P25-339.SA02

APPENDIX C

Laboratory Analysis Results – Not Used

APPENDIX D

Infiltration Testing Results

Infiltration Test to BRE365 - SA01 - TEST 1

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	1.47
	2.50	150.00	1.51
	6.30	378.00	1.55
	18.40	1104.00	1.65
	23.20	1392.00	1.67
	32.40	1944.00	1.71
	43.80	2628.00	1.74
	60.20	3612.00	1.78
	120.00	7200.00	1.87

Location: SA01

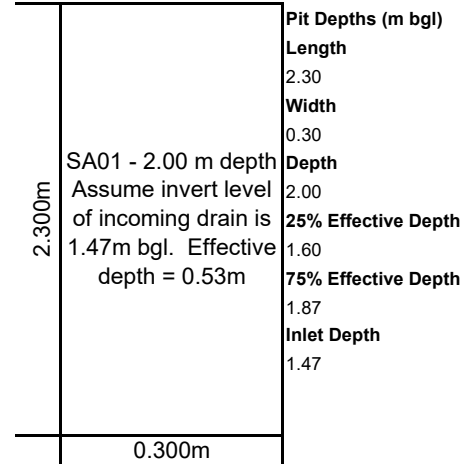
TEST 1

Weather: Cloudly

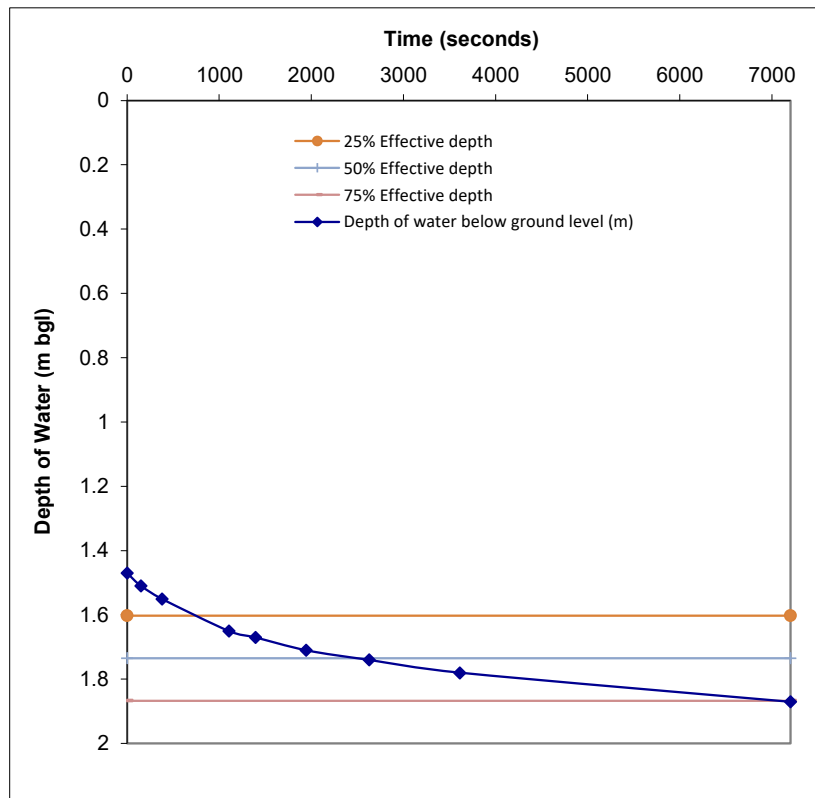
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 1.47



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth

$$2.30 \times 0.30 \times (1.8675 - 1.6025) = 0.18285$$

$$ap_{50} = \text{internal area of TP upto 50\% effective depth + base of TP} \\ 2(2.30 \times) + 2(0.30 \times) + (2.30 \times 0.30) = 2.068$$

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

$$= 5256 \text{ secs}$$

$$f = 1.68E-05 \text{ m/s}$$

Comment



Client: Mr. Pim de Witte
 Project No: P25-339
 Project: Little Orchard, Lower Kingsdown Road,
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Infiltration Test to BRE365 - SA01 - TEST 2

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	1.50
	1.00	60.00	1.50
	16.30	978.00	1.56
	28.60	1716.00	1.60
	34.50	2070.00	1.61
	41.45	2487.00	1.63
	48.40	2904.00	1.64
	157.28	9437.01	1.88

Location: SA01

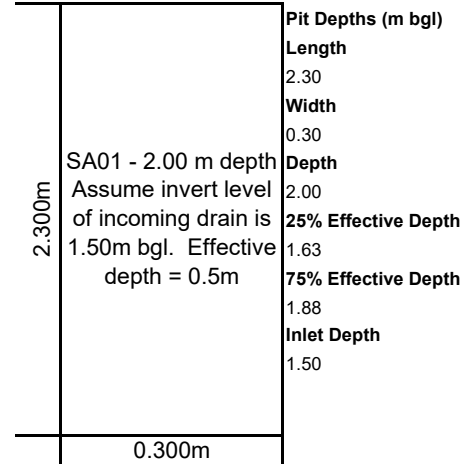
TEST 2

Weather: Cloudly

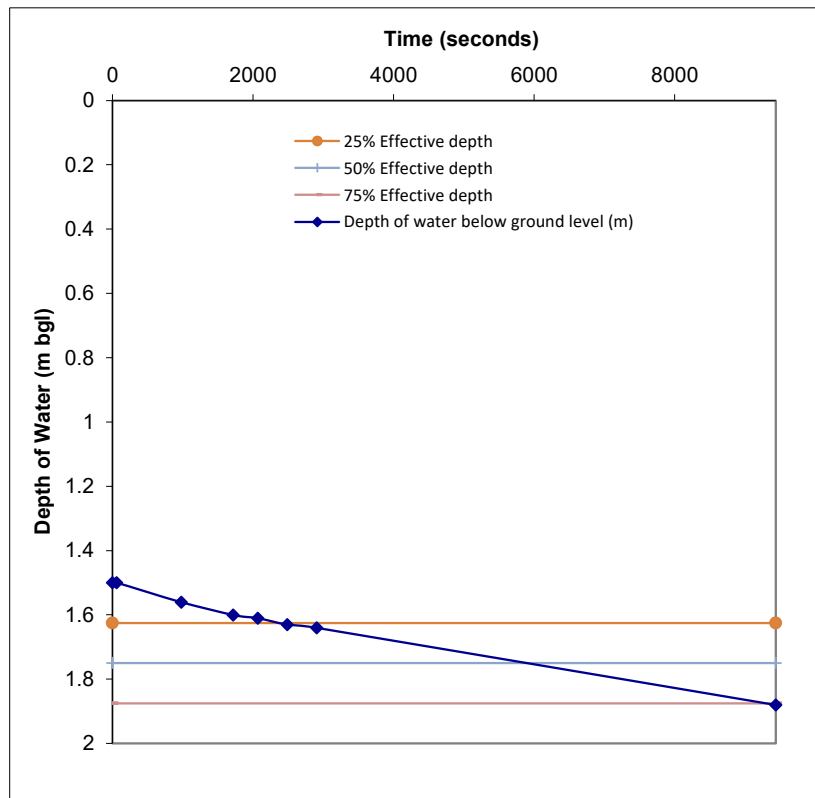
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 1.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.30 \times 0.30 \times (1.875 - 1.625)$
 = **0.1725**

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.30 \times) + 2(0.30 \times) + (2.30 \times 0.30)$
 = **1.99**

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth
 = **6950** secs

f = **1.25E-05** m/s

Comment



Client: Mr. Pim de Witte
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Infiltration Test to BRE365 - SA01 - TEST 3

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	1.46
	3.90	234.00	1.46
	17.10	1026.00	1.50
	45.30	2718.00	1.56
	61.75	3705.00	1.60
	188.65	11319.01	1.87

Location: SA01

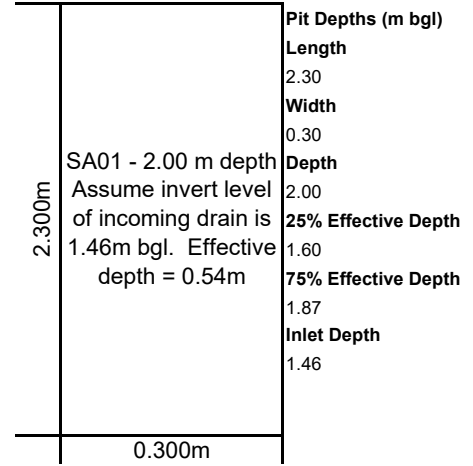
TEST 3

Weather: Cloudly

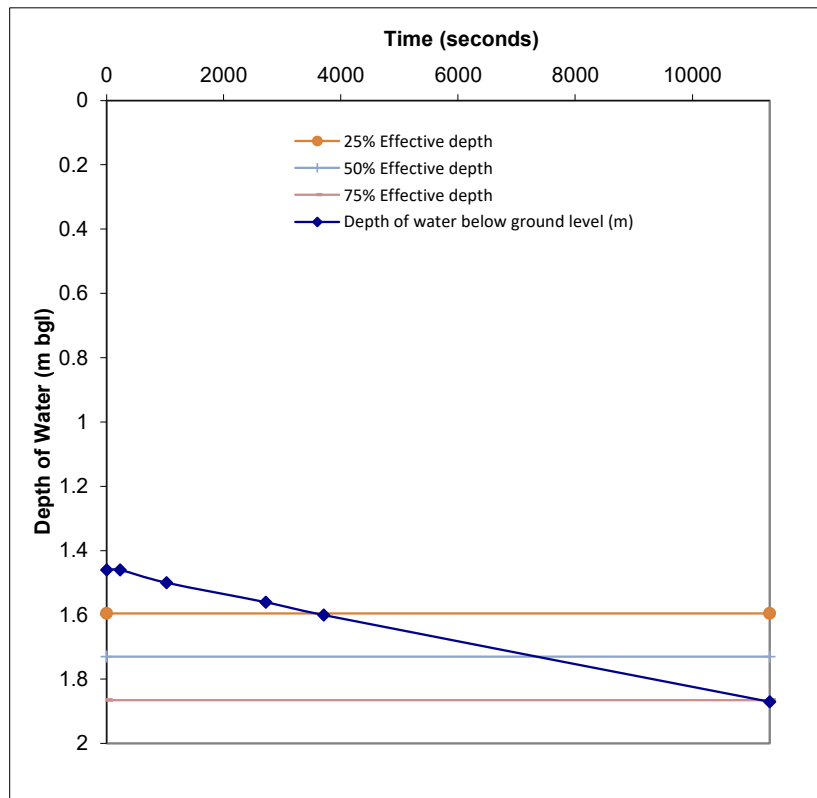
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 1.46



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (a_{p50} \times t_{p75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.30 \times 0.30 \times (1.865 - 1.595)$
 = **0.1863**

a_{p50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.30 \times) + 2(0.30 \times) + (2.30 \times 0.30)$
 = **2.094**

t_{p75-25} = the time for water level to fall from 75% - 25% effective depth
 = **7614** secs

f= **1.17E-05** m/s

Comment



Client: Mr. Pim de Witte
 Project No: P25-339
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Infiltration Test to BRE365 - SA02 - TEST 1

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	0.50
	1.40	84.00	0.57
	3.50	210.00	0.60
	5.50	330.00	0.63
	9.10	546.00	0.67
	11.90	714.00	0.70
	13.80	828.00	0.71
	30.90	1854.00	0.80

Location: SA02

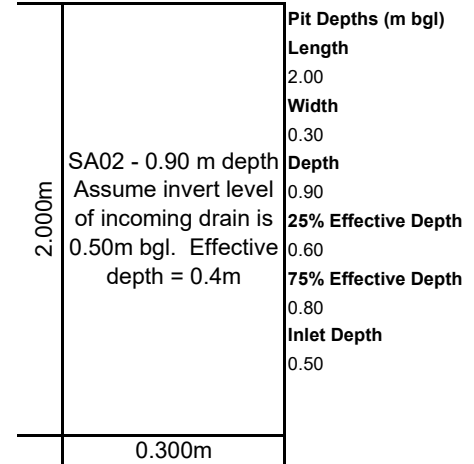
TEST 1

Weather: Cloudly

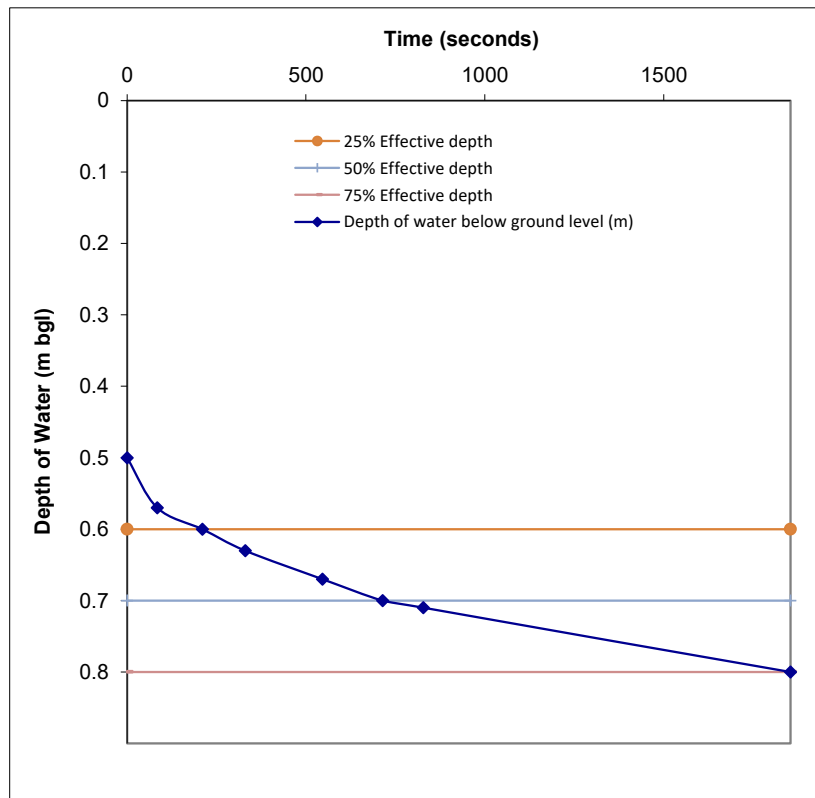
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 0.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.00 \times 0.30 \times (0.8 - 0.6)$

= **0.12**

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.00 \times) + 2(0.30 \times) + (2.00 \times 0.30)$

= **1.52**

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

= **1644** secs

f= **4.80E-05** m/s

Comment



Client: Mr. Pim de Witte
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Infiltration Test to BRE365 - SA02 - TEST 2

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	0.50
	1.40	84.00	0.53
	6.20	372.00	0.57
	10.10	606.00	0.60
	14.40	864.00	0.63
	20.30	1218.00	0.67
	25.20	1512.00	0.69
	31.10	1866.00	0.72
	46.83	2810.00	0.80

Location: SA02

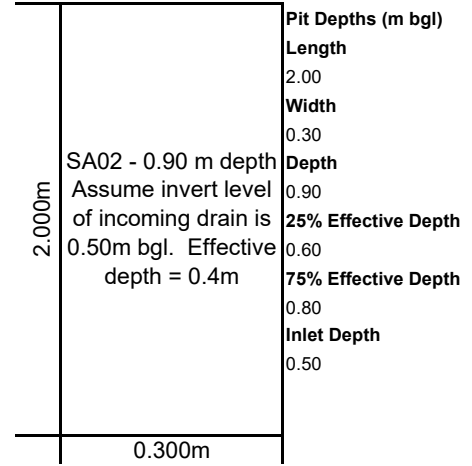
TEST 2

Weather: Cloudly

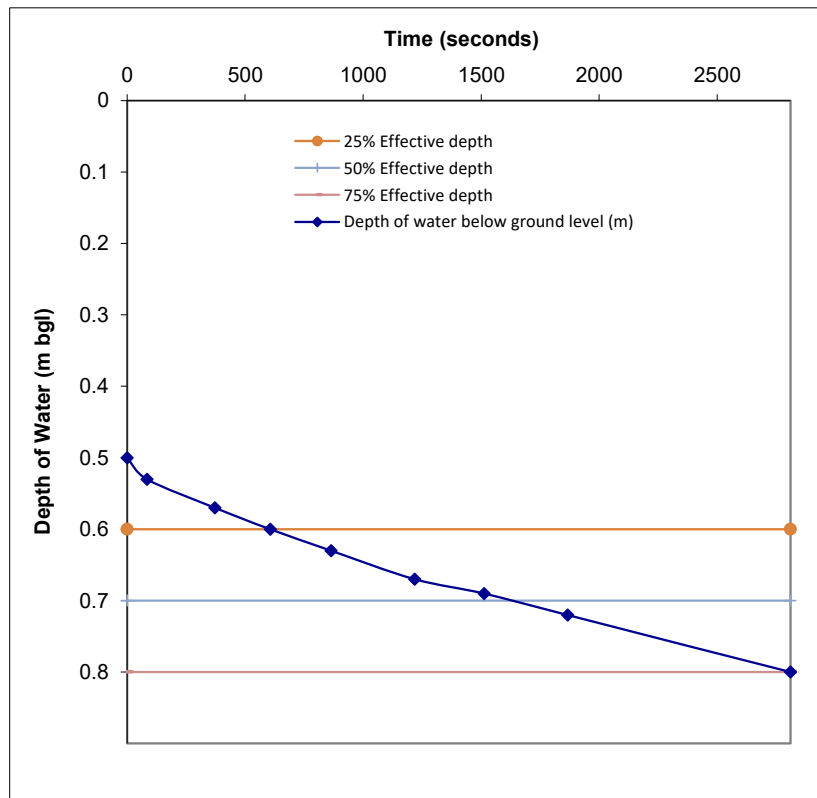
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 0.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.00 \times 0.30 \times (0.8 - 0.6)$

= 0.12

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.00 \times) + 2(0.30 \times) + (2.00 \times 0.30)$

= 1.52

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

= 2204 secs

f= 3.58E-05 m/s

Comment



Client: Mr. Pim de Witte
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Infiltration Test to BRE365 - SA02 - TEST 3

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	0.50
	1.80	108.00	0.53
	3.70	222.00	0.54
	16.70	1002.00	0.60
	29.70	1782.00	0.66
	54.60	3276.00	0.77
	60.80	3648.00	0.79
	66.80	4008.00	0.81

Location: SA02

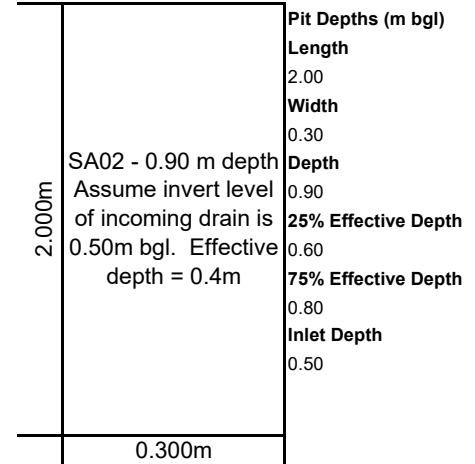
TEST 3

Weather: Cloudly

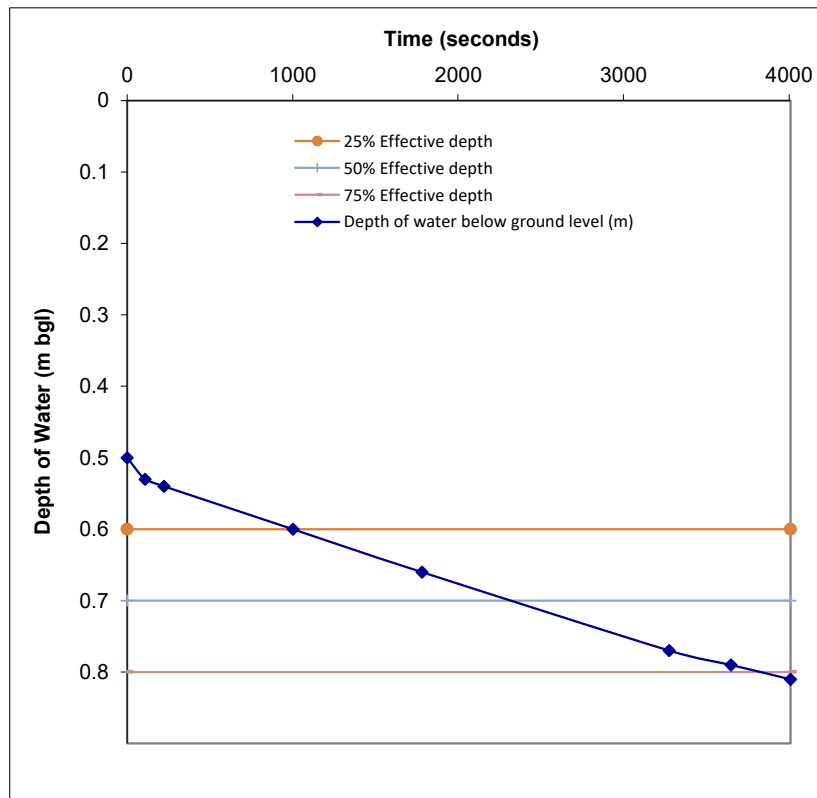
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 0.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.00 \times 0.30 \times (0.8 - 0.6)$

= **0.12**

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.00 \times) + 2(0.30 \times) + (2.00 \times 0.30)$

= **1.52**

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

= **2646** secs

f= **2.98E-05** m/s

Comment



Client: Mr. Pim de Witte
Project No: P25-339
Project: Little Orchard, Lower Kingsdown Road,
Kingsdown, Corsham SN13 8BD

APPENDIX E

Site Photographs

Infiltration Test to BRE365 - SA01 - TEST 1

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	1.47
	2.50	150.00	1.51
	6.30	378.00	1.55
	18.40	1104.00	1.65
	23.20	1392.00	1.67
	32.40	1944.00	1.71
	43.80	2628.00	1.74
	60.20	3612.00	1.78
	120.00	7200.00	1.87

Location: SA01

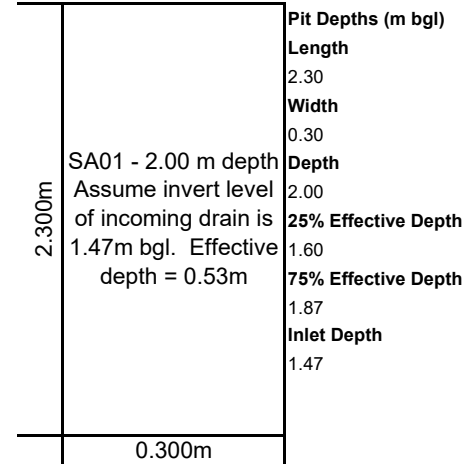
TEST 1

Weather: Cloudly

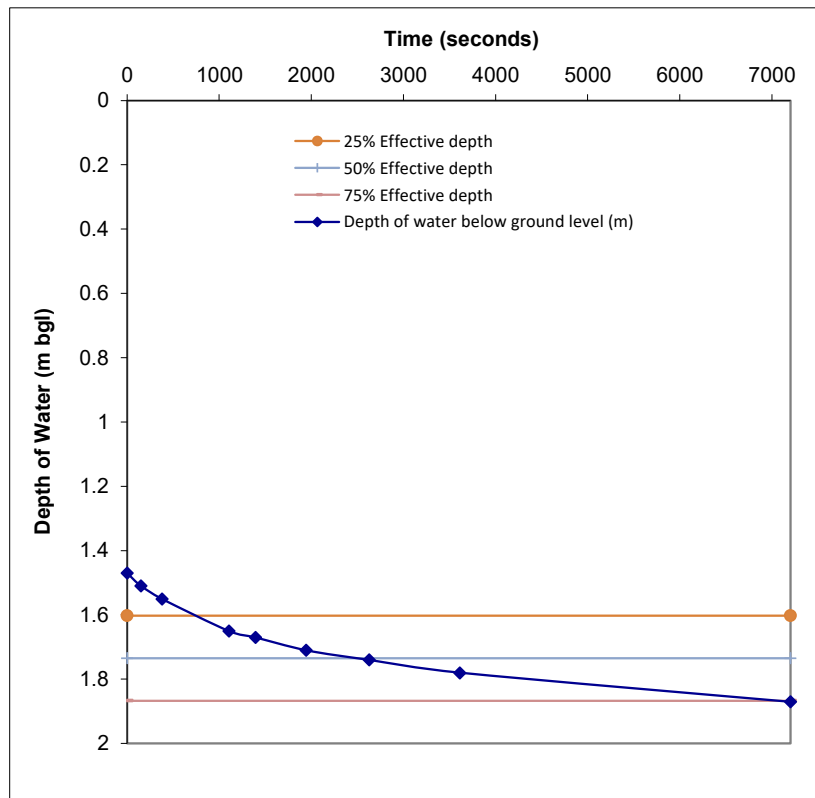
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 1.47



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth

$$2.30 \times 0.30 \times (1.8675 - 1.6025) = 0.18285$$

$$ap_{50} = \text{internal area of TP upto 50\% effective depth + base of TP} \\ 2(2.30 \times) + 2(0.30 \times) + (2.30 \times 0.30) = 2.068$$

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

$$= 5256 \text{ secs}$$

$$f = 1.68E-05 \text{ m/s}$$

Comment



Client: Mr. Pim de Witte
 Project No: P25-339
 Project: Little Orchard, Lower Kingsdown Road,
 Kingsdown, Corsham SN13 8BD

Infiltration Test to BRE365 - SA01 - TEST 2

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	1.50
	1.00	60.00	1.50
	16.30	978.00	1.56
	28.60	1716.00	1.60
	34.50	2070.00	1.61
	41.45	2487.00	1.63
	48.40	2904.00	1.64
	157.28	9437.01	1.88

Location: SA01

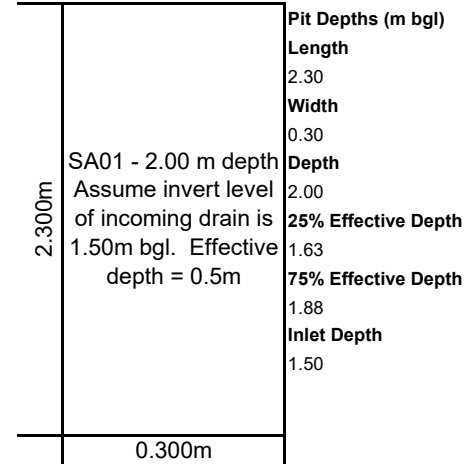
TEST 2

Weather: Cloudly

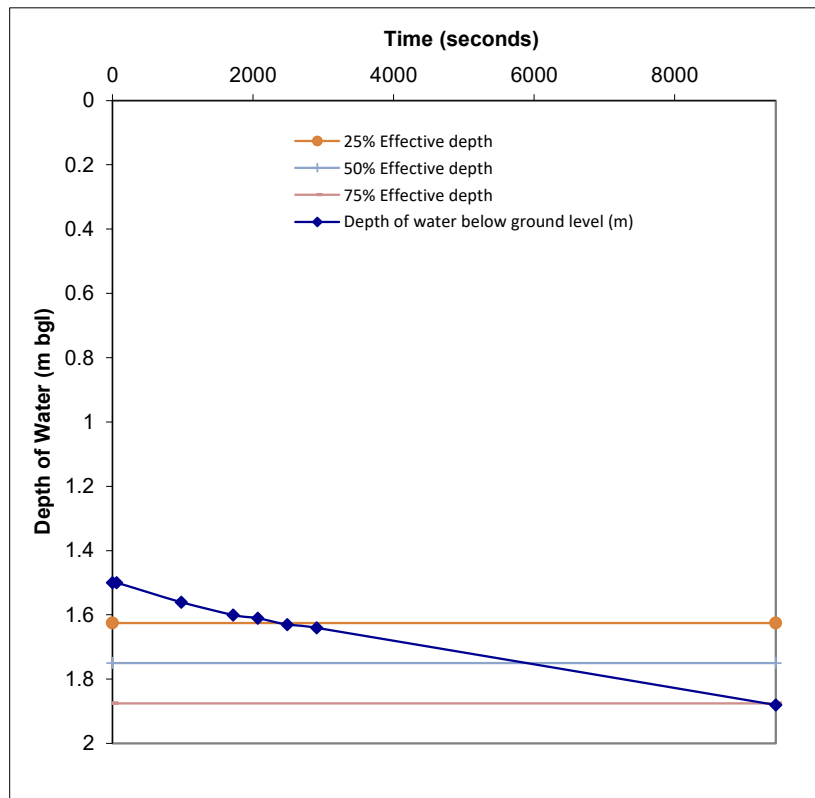
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 1.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth

$$2.30 \times 0.30 \times (1.875 - 1.625) = 0.1725$$

$$ap_{50} = \text{internal area of TP upto 50\% effective depth + base of TP} \\ 2(2.30 \times 0.30) + 2(0.30 \times 0.30) + (2.30 \times 0.30) = 1.99$$

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

$$= 6950 \text{ secs}$$

$$f = 1.25E-05 \text{ m/s}$$

Comment



Client: Mr. Pim de Witte
Project No: P25-339
Project: Little Orchard, Lower Kingsdown Road,
 Kingsdown, Corsham SN13 8BD

Infiltration Test to BRE365 - SA01 - TEST 3

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	1.46
	3.90	234.00	1.46
	17.10	1026.00	1.50
	45.30	2718.00	1.56
	61.75	3705.00	1.60
	188.65	11319.01	1.87

Location: SA01

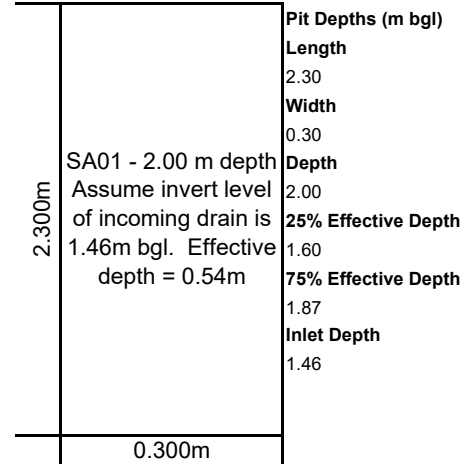
TEST 3

Weather: Cloudly

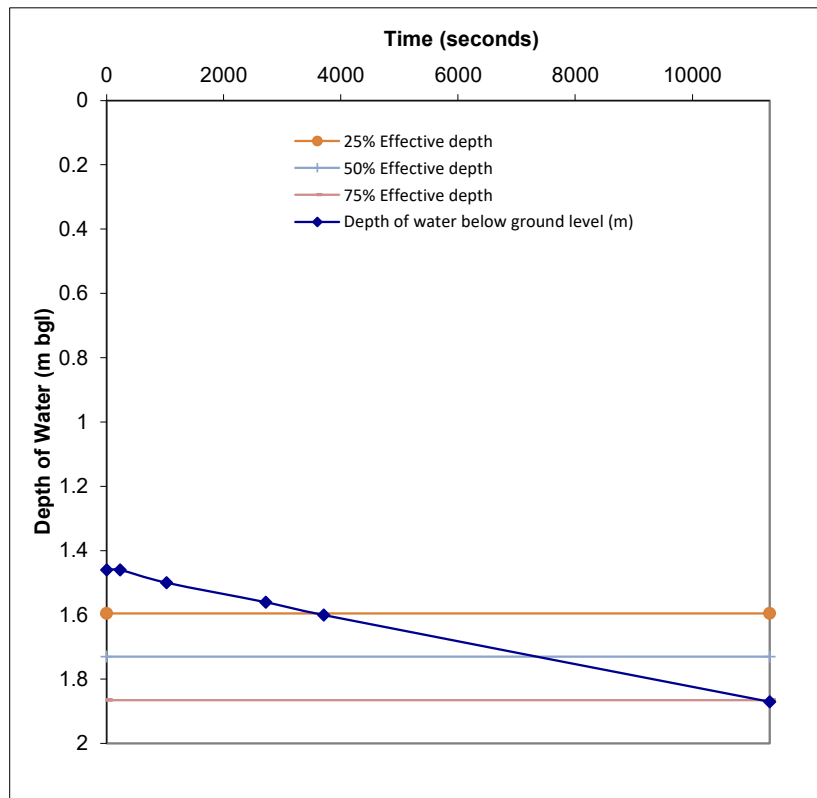
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 1.46



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.30 \times 0.30 \times (1.865 - 1.595)$
 = **0.1863**

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.30 \times) + 2(0.30 \times) + (2.30 \times 0.30)$
 = **2.094**

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth
 = **7614** secs

f= **1.17E-05** m/s

Comment



Client: Mr. Pim de Witte
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 Project: Little Orchard, Lower Kingsdown Road,
 Kingsdown, Corsham SN13 8BD

Infiltration Test to BRE365 - SA02 - TEST 1

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	0.50
	1.40	84.00	0.57
	3.50	210.00	0.60
	5.50	330.00	0.63
	9.10	546.00	0.67
	11.90	714.00	0.70
	13.80	828.00	0.71
	30.90	1854.00	0.80

Location: SA02

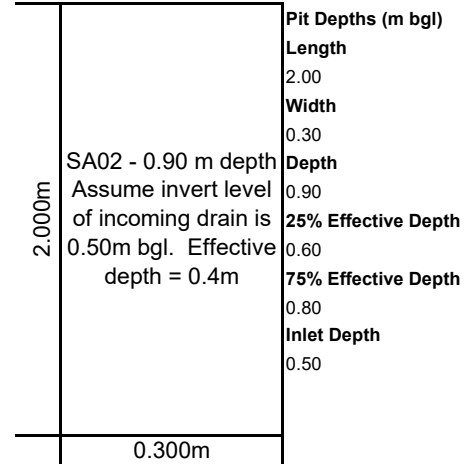
TEST 1

Weather: Cloudly

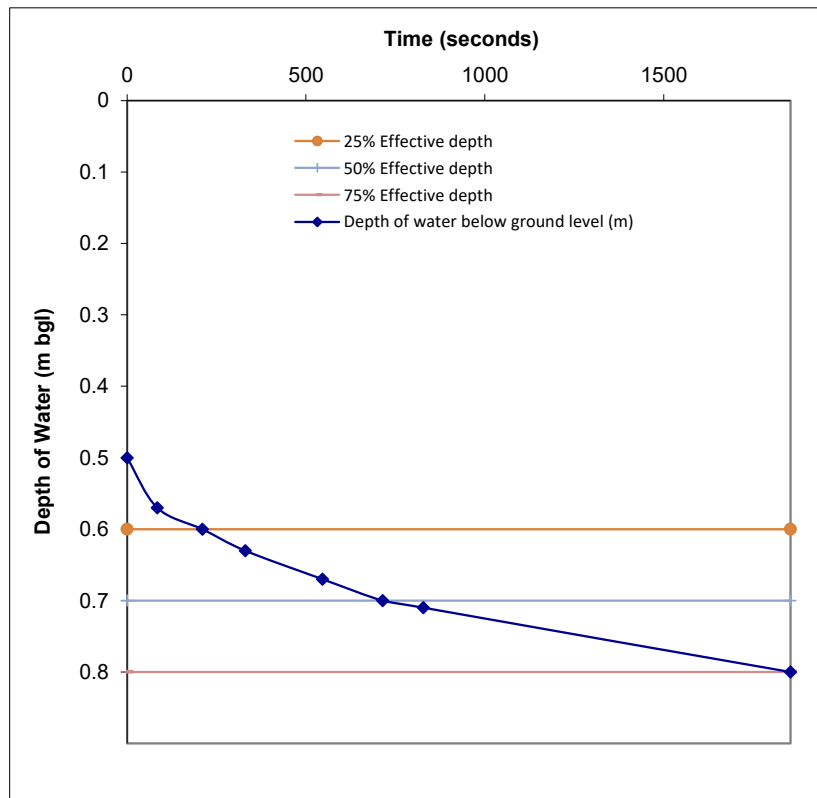
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 0.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.00 \times 0.30 \times (0.8 - 0.6)$

= **0.12**

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.00 \times) + 2(0.30 \times) + (2.00 \times 0.30)$

= **1.52**

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

= **1644** secs

f= **4.80E-05** m/s

Comment



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Infiltration Test to BRE365 - SA02 - TEST 2

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	0.50
	1.40	84.00	0.53
	6.20	372.00	0.57
	10.10	606.00	0.60
	14.40	864.00	0.63
	20.30	1218.00	0.67
	25.20	1512.00	0.69
	31.10	1866.00	0.72
	46.83	2810.00	0.80

Location: SA02

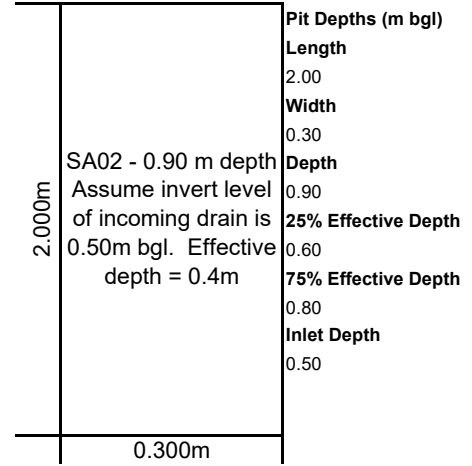
TEST 2

Weather: Cloudly

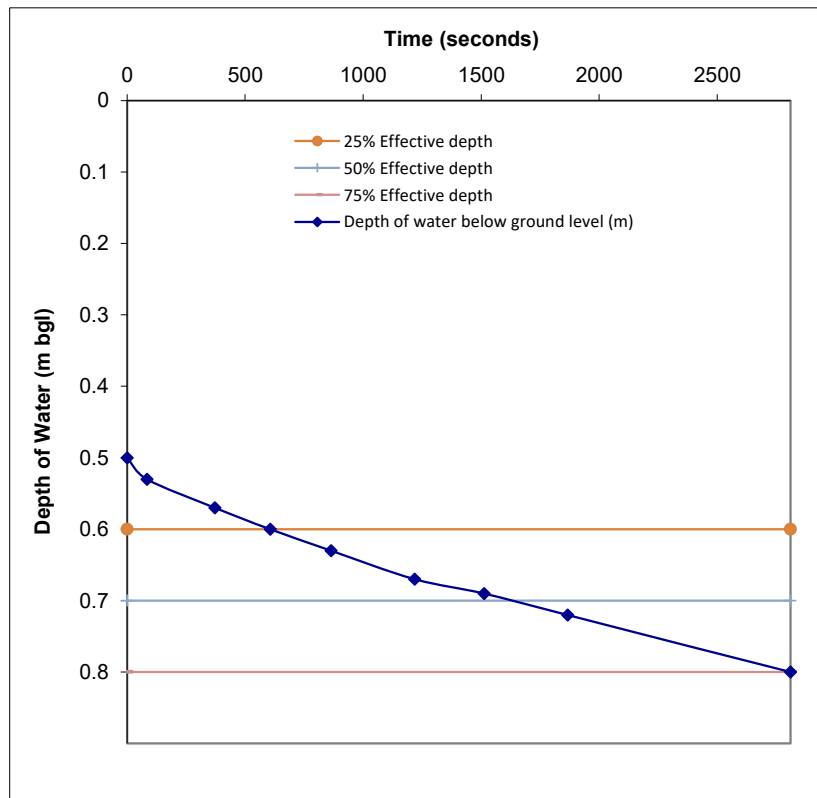
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 0.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.00 \times 0.30 \times (0.8 - 0.6)$

= **0.12**

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.00 \times) + 2(0.30 \times) + (2.00 \times 0.30)$

= **1.52**

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

= **2204** secs

f= **3.58E-05** m/s

Comment



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Infiltration Test to BRE365 - SA02 - TEST 3

Field Data

Time	Time Elapsed (min)	Time Elapsed (sec)	Depth of Water below GL (m)
	0.00	0.00	0.50
	1.80	108.00	0.53
	3.70	222.00	0.54
	16.70	1002.00	0.60
	29.70	1782.00	0.66
	54.60	3276.00	0.77
	60.80	3648.00	0.79
	66.80	4008.00	0.81

Location: SA02

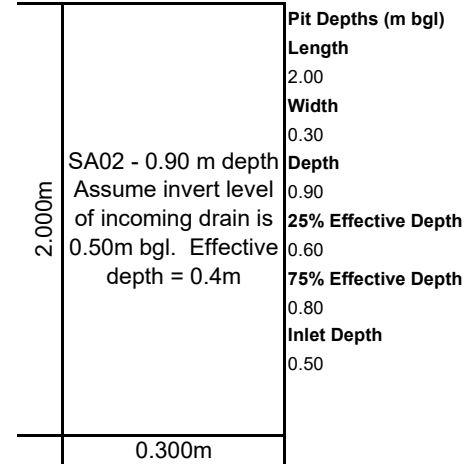
TEST 3

Weather: Cloudly

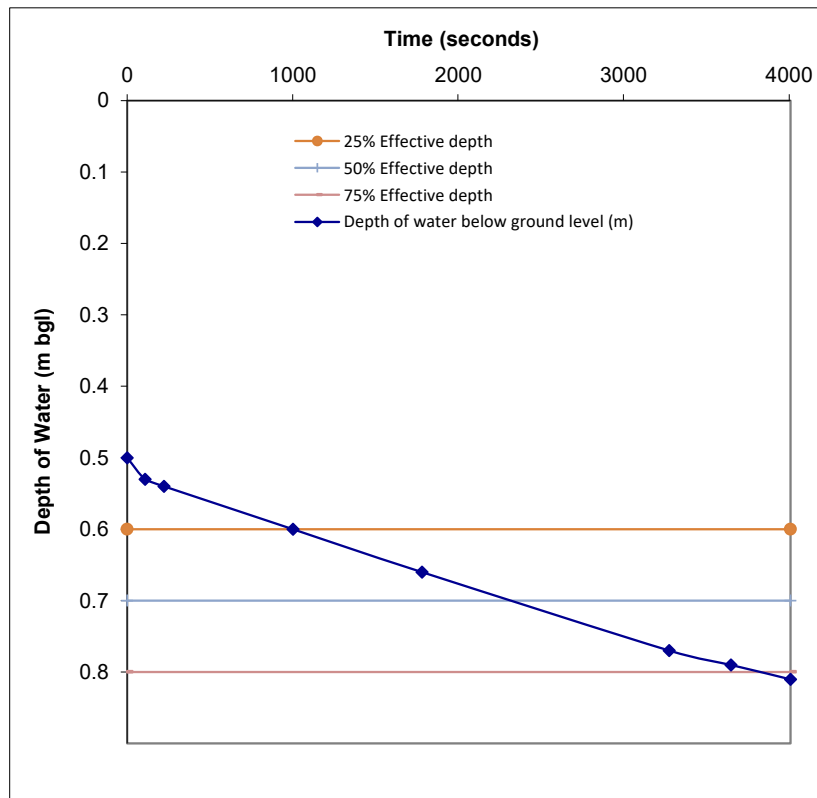
Engineer:

Date: 05/11/2025

Strata Tested LANDSLIP DEPOSIT



Invert Level of incoming pipe (m): 0.50



CALCULATION:

Soil Infiltration Rate(f) =
 $V_{p75-25} / (ap_{50} \times tp_{75-25})$

Where:

V_{p75-25} = effective storage volume between 75% and 25% effective depth
 $2.00 \times 0.30 \times (0.8 - 0.6)$

= **0.12**

ap_{50} = internal area of TP upto 50% effective depth + base of TP
 $2(2.00 \times) + 2(0.30 \times) + (2.00 \times 0.30)$

= **1.52**

tp_{75-25} = the time for water level to fall from 75% - 25% effective depth

= **2646** secs

f= **2.98E-05** m/s

Comment



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 Kingsdown, Corsham SN13 8BD