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Our Ref: iGeo-26-161A – BRE365 Soakage Test Report

30 June, 2026

Site: Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Introduction

iGeo Ltd were asked to attend site on behalf of *Antler Homes* of Bagshot, Surrey, in order to carry out four BRE DG365 soakage tests for swale / soakaway design for a proposed new residential development site.

The location and target depths for the soakage tests was set out by the client.

The tests were carried out in the car parking area of the former office site. The testing was biased to the southern, lower end of the development.

It is understood that a steep slope is present in the woodland just to the south of the site.

It is believed that the British Geological Survey mapping for the area shows the anticipated bedrock geology to be the *Ardingley Sandstone*, overlying the *Lower Tunbridge Wells Sand* deposits. A previous ground investigation typically encountered superficial made ground, overlying firm to stiff clays which tend to mudstone with depth, overlying very weak to medium strong sandstone, overlying poorly cemented sandstones/sands.

Ground Investigation

Due to the previous ground investigation encountering cohesive materials, with some mudstones or sandstones with depth, and as it was important to obtain accurate soil infiltration rates and adhere to BRE DG365 (2016) 'Soakaway Design', including carrying out three fills of the pits, also the need to maintain safe test pits during the monitoring period, the 'stone filled' test method was adopted.

An engineer from iGeo Ltd attended site to construct four soakage pits (SA1, SA2, SA3 & SA4) on 17th June 2026.

An 8 tonne excavator, operator and single sized stone was provided by the client.

The trial pits were logged and sampled from, in accordance with BS5930:2019 from the surface. The trial pit logs and location plan are included in the appendices. All measurements were taken from the original ground level.

Topsoil was initially present in SA2 and SA3 to 0.05m and 0.25m respectively, comprised of a dark brown slightly organic clayey sandy silt with occasional mudstone gravel.

Tarmac approximately 100mm thick was encountered in SA1, SA2 and SA4.

Fill, made ground, or suspected made ground was recorded to 0.8m, 0.7m & 0.7m in SA1, SA2 & SA4 respectively, typically comprised concrete, brick fill, MOT type 1, or silty sandy gravel.

Below, it is considered that virgin soils were present. SA3 and SA4 initially observed a silty sand, clayey silty sand or clayey sandy silt to 0.7m and 1.1m respectively.

Firm to stiff, becoming very stiff silty clays with some mudstone gravels were then present in all four trial pits. SA1 terminated in a laminated silty clay at 2.85m.

A fractured mudstone was recorded in SA2 at 2.3m. A hard silty sand / sandy silt with frequent sandstone / mudstone gravels were recorded in SA3 and SA4 at 2.3m and 2.6m respectively. Excavating through these materials was very slow, with the pits terminating at 2.4m, 2.55m & 2.75m in SA2-SA4 respectively.

Each of the trial pits were observed to be dry & stable on completion.

After the pits were logged and measured, screened and perforated standpipes were installed vertically into the pits for monitoring purposes. The trial pits were then backfilled to the surface with a 20mm single sized flint gravel (laboratory testing confirmed 38.86% voids).

Electronic dataloggers were then secured in the standpipes before the pits were each filled typically with 500 litres of water from a 2,000 litre trailer towed water bowser, typically resulting in approximately 1.0m of water being added to the pits.

The data logged values were compensated for changes in atmospheric pressure using an onsite *barotroll*. Water levels were then electronically recorded at one minute intervals over a period of time.

Initial indications showed very poor infiltration in SA1, with good infiltration in SA2-4. Due to the poor infiltration in SA1, a return visit to refill the pits was made five days later on 22nd June, the drop in water levels were then reassessed, with the third fill visit being on the 24th June, then a final return visit to collect the dataloggers on the 29th June 2026.

BRE DG365 (2016) 'Soakaway Design' Test Results

Selected values extracted from the dataloggers (SA1-4) are attached in the appendices, also presented in graphs, which were then used to calculate the BRE365 soil infiltration rates.

The following soil infiltration rates were calculated, with the slowest infiltration rate for each pit highlighted in red:

	Soakage Pit SA1	Soakage Pit SA2	Soakage Pit SA3	Soakage Pit SA4
First Fill	<u>2.418 x 10⁻⁷ m/s</u>	<u>9.426 x 10⁻⁵ m/s</u>	<u>4.716 x 10⁻⁴ m/s</u>	6.218 x 10 ⁻⁶ m/s
Second Fill	2.542 x 10 ⁻⁷ m/s	1.135 x 10 ⁻⁴ m/s	6.494 x 10 ⁻⁴ m/s	6.009 x 10 ⁻⁶ m/s
Third Fill	2.582 x 10 ⁻⁷ m/s	9.442 x 10 ⁻⁵ m/s	5.773 x 10 ⁻⁴ m/s	<u>5.126 x 10⁻⁶ m/s</u>

Unusually, the first fill had the slowest infiltration rates for SA1-SA3, possibly as fines were washed out, resulting in enhanced migration pathways for the water to drain through.

It should be noted that over 500 litres of water was added to SA3 during each fill, with subsequent fills achieving a lesser depths of water, as with more head, the outflow rate near balanced the inflow.

It is recommended that this report should be forwarded to the projects consultants to prepare a suitable drainage strategy for the proposed swales and soakaways.

Please contact the undersigned if you have any queries.

Yours sincerely

A black rectangular box redacting the signature of D. R. Deane.

D. R. DEANE MSc FGS

iGeo Ltd

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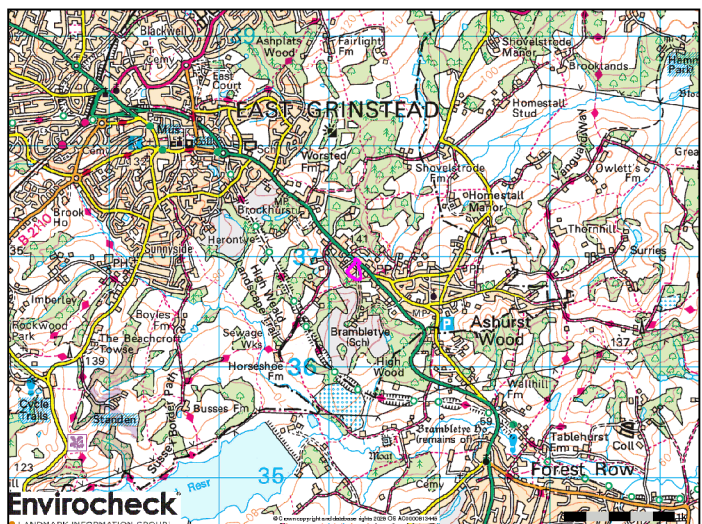
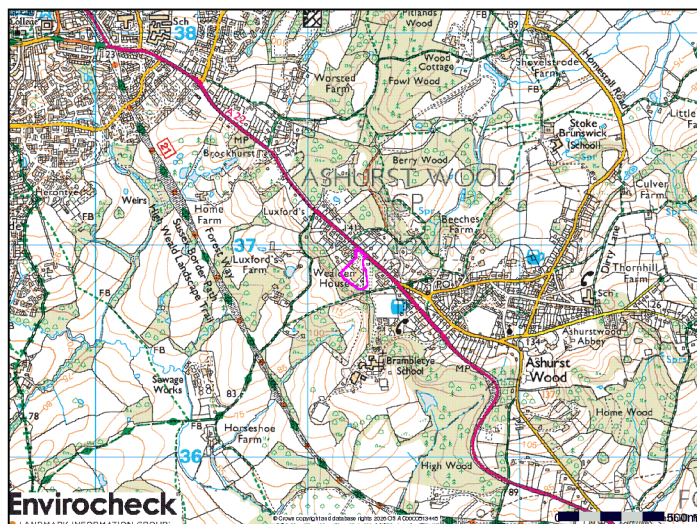
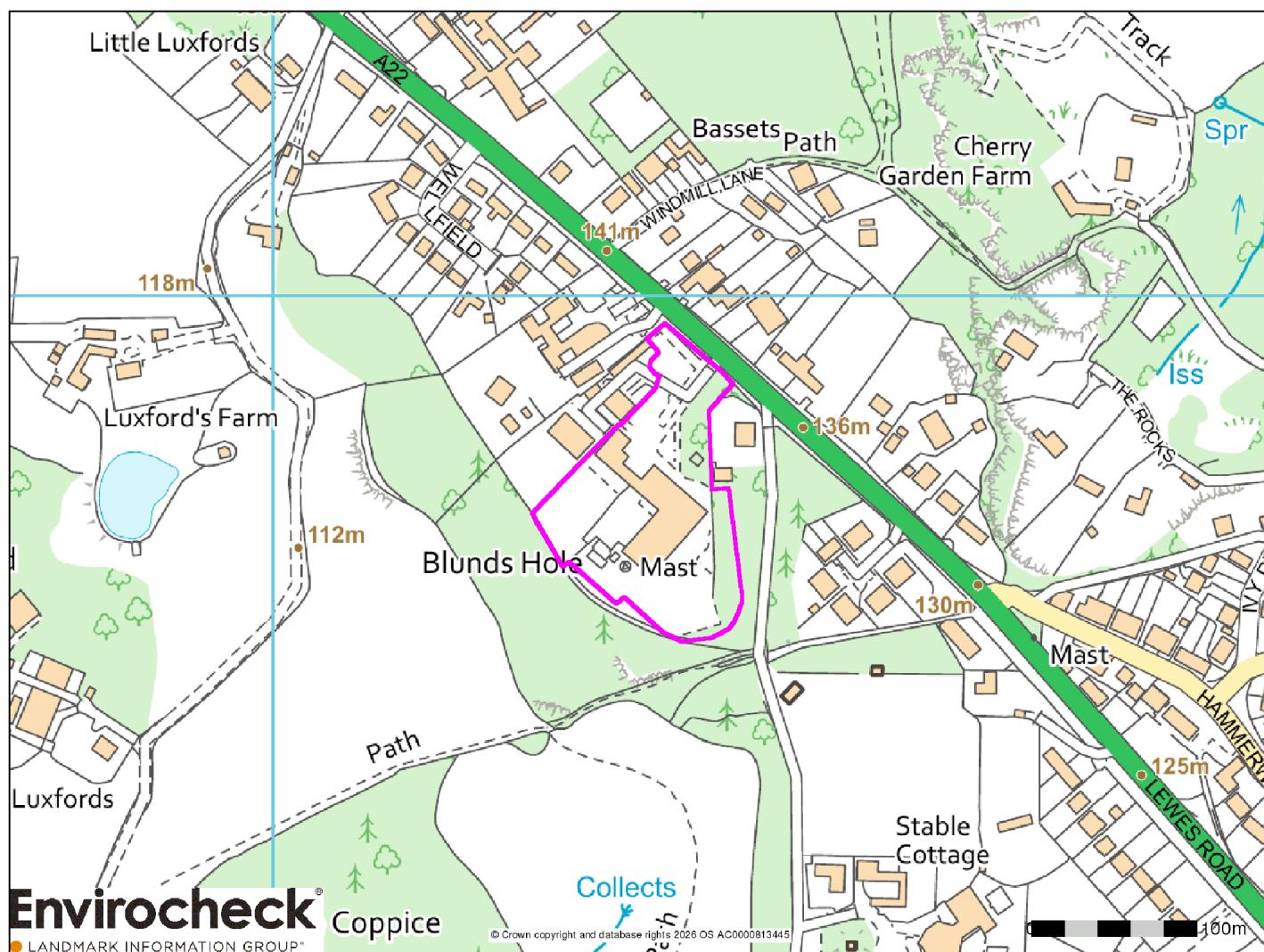
SITE LOCATION

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB



Tested by:

Approved by:

iGeo Limited

Unit 9A, Thurley Business Units, Pump Lane, Grazeley, Reading RG7 1LL

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Sheet no: 1

Date: 26/06/26



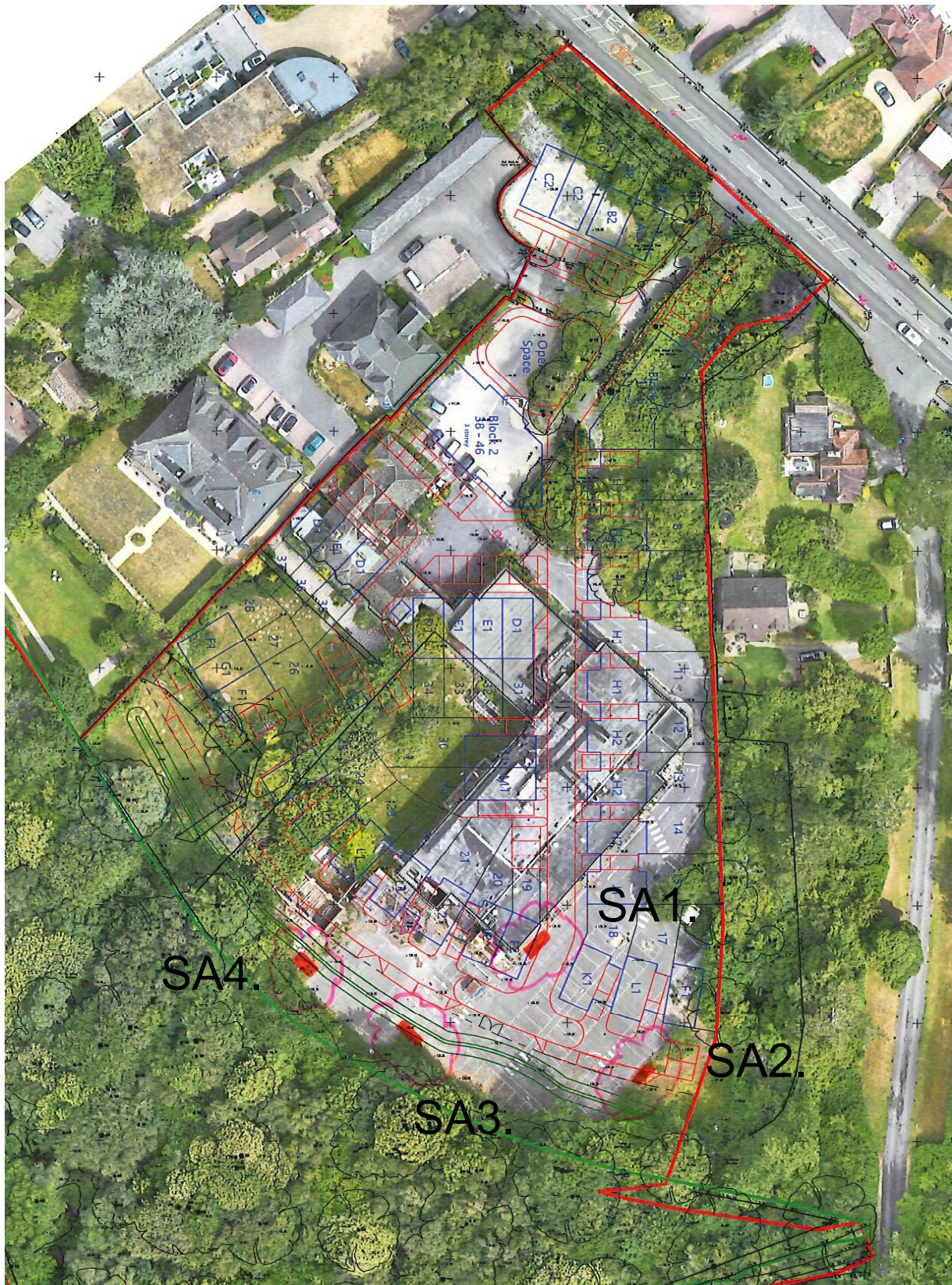
SOAKAGE TEST LAYOUT

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB





TRIALPIT SA1

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Description	Reduced Level m	Depth m	Legend	Sample		Thickness m	SPT N	Remarks
				Type	Depth			
Tarmac		0.00				0.10		Soakage trial pit sizes: 0.45m wide x 2.0m long (average) x 2.75m deep (average)
MADE GROUND: Part brick fill, part service manhole over brick fill. (pit at edge of concrete slab)		0.10				0.70		
Firm to stiff grey mottled orange brown silty CLAY, with occasional fine & medium mudstone gravel		0.80				0.70		A 50mm standpipe was installed to above ground level. The basal 1m was a perforated & screened standpipe, with the sections above plain pipe. The pit was then backfilled to the surface with a 20mm single sized stone (38.9% voids). Dataloggers were installed into the standpipe for the duration of the monitoring.
Stiff grey mottled orange brown silty CLAY, with occasional black stained fine & medium mudstone gravel		1.50				0.90		
Very stiff laminated dark grey silty CLAY & grey brown silty CLAY		2.40				0.45		
		2.85						

Undisturbed Sample (U100=100mm dia. U38=38mm dia.)

D=Disturbed Sample

Standard Penetration Test (SPT=Split Spoon, CPT=Cone)

B=Bulk Sample

W=Water Sample

Remarks: Soakage trial pits excavated on 17th June 26 with an 8 tonne excavator

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Date: 26/06/26



TRIALPIT SA2

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Description	Reduced Level m	Depth m	Legend	Sample		Thickness m	SPT N	Remarks
				Type	Depth			
TOPSOIL: Dark slightly organic clayey sandy SILT, with occasional mudstone gravel		0.00				0.05		Soakage trial pit sizes: 0.45m wide x 1.4m long (average) x 2.2m deep (average)
MOT Type 1 (over geotextile)		0.05				0.10		
TARMAC		0.15				0.10		
CONCRETE		0.25						
						0.45		
Firm to stiff, becoming stiff grey mottled orange brown silty CLAY, with occasional fine to coarse sub-angular mudstone gravel		0.70						A 50mm standpipe was installed to above ground level. The basal 1m was a perforated & screened standpipe, with the sections above plain pipe. The pit was then backfilled to the surface with a 20mm single sized stone (38.9% voids). Dataloggers were installed into the standpipe for the duration of the monitoring.
						1.30		
Very stiff grey mottled brown silty CLAY, with frequent mudstone gravel		2.00				0.30		approximate horizon
MUDSTONE: Fractured with light brown & black staining on faces		2.30				0.10		Very hard to excavate, almost no progress
		2.40						The trial pit was observed to be dry & stable on completion.

Undisturbed Sample (U100=100mm dia. U38=38mm dia.)

D=Disturbed Sample

Standard Penetration Test (SPT=Split Spoon, CPT=Cone)

B=Bulk Sample

W=Water Sample

Remarks: Soakage trial pits excavated on 17th June 26 with an 8 tonne excavator

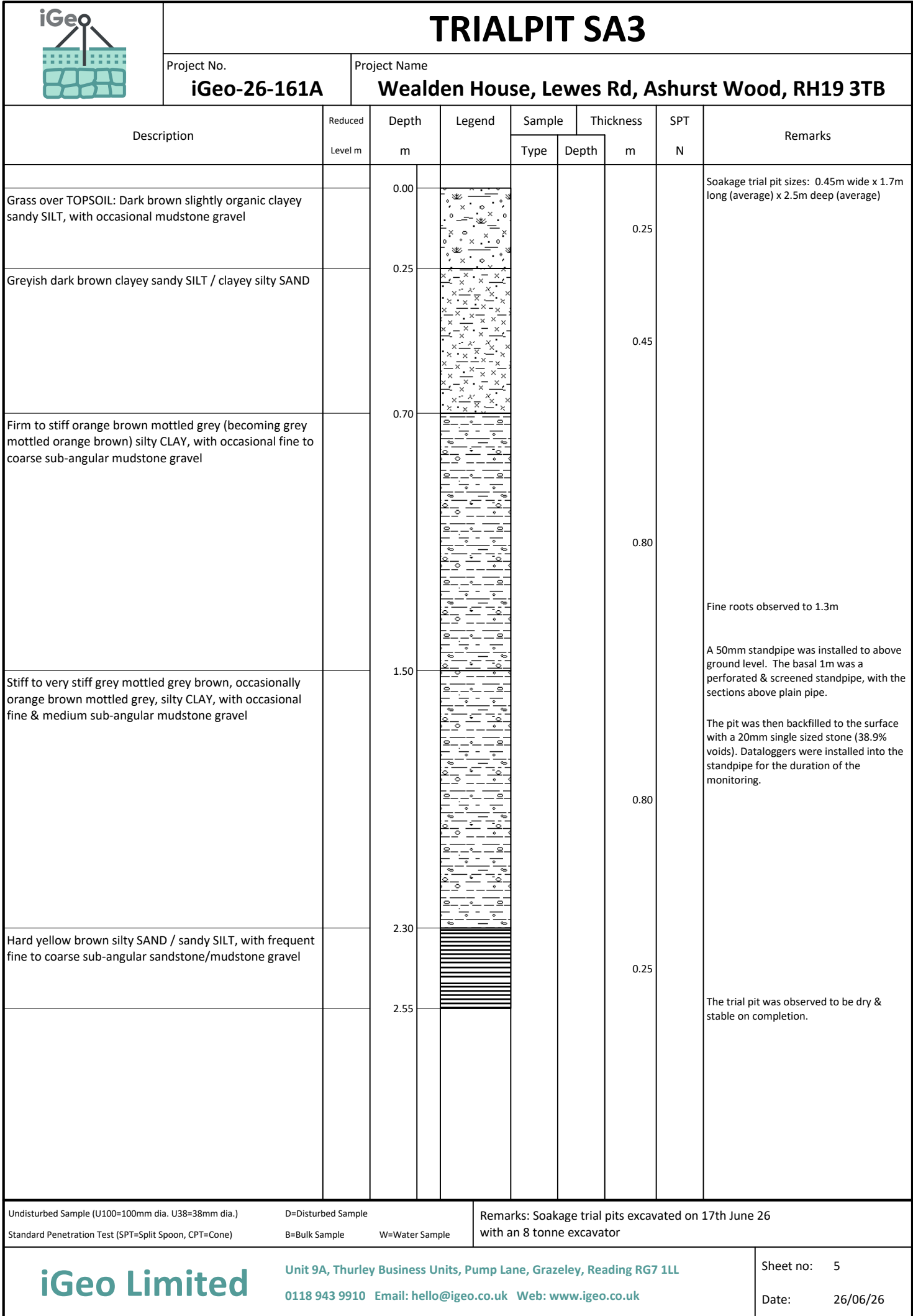
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Date: 26/06/26





TRIALPIT SA4

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Description	Reduced Level m	Depth m	Legend	Sample		Thickness m	SPT N	Remarks
				Type	Depth			
TARMAC		0.00				0.10		Soakage trial pit sizes: 0.45m wide x 1.9m long (average) x 2.55m deep (average)
Brick & grey silty gravelly sand FILL. Gravel is fine to coarse sub-angular & sub-rounded flint		0.10				0.30		
MADE GROUND? Dark grey sandy CLAY		0.40				0.30		
Grey brown / brown grey (occasionally orange brown) silty SAND		0.70				0.40		
Stiff orange brown mottled grey, occasionally dark grey, silty CLAY, with rare fine & medium mudstone gravel		1.10				1.30		A 50mm standpipe was installed to above ground level. The basal 1m was a perforated & screened standpipe, with the sections above plain pipe. The pit was then backfilled to the surface with a 20mm single sized stone (38.9% voids). Dataloggers were installed into the standpipe for the duration of the monitoring.
Laminated grey MUDSTONE & light brown silty CLAY		2.40				0.20		
Yellow brown silty SAND / sandy SILT, with frequent fine to coarse sub-angular sandstone / mudstone gravel		2.60				0.15		
		2.75						

Undisturbed Sample (U100=100mm dia. U38=38mm dia.)

D=Disturbed Sample

Standard Penetration Test (SPT=Split Spoon, CPT=Cone)

B=Bulk Sample

W=Water Sample

Remarks: Soakage trial pits excavated on 17th June 26 with an 8 tonne excavator

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Date: 26/06/26



SOAKAGE TEST RESULTS

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Soakaway Design Calculations to BRE365 (DG 365 Revised 2016)

Soakage Test Number SA1

Trial Pit Soakage Test

Soakage Pit Length [m] 2.00
Soakage Pit Width [m] 0.45
Soakage Pit Depth [m] 2.75
TP Test Base (if different) [m] 2.75
Pit Voids [%] 38.86
(100% if an open pit,
30% or measured if stone)

Borehole Soakage Test

Borehole Diameter [m]
Standpipe Diameter [m]
Borehole Depth [m]
BH Test Base (if different) [m]
Bentonite Seal Depth [m]
Borehole Surround Voids [%]
(100% if an open Borehole
30% if stone)

First Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (C)
17/06/26	13	53	0	1.708	
17/06/26	15	57	124	1.779	
17/06/26	19	43	350	1.850	
18/06/26	00	32	639	1.921	
18/06/26	06	11	978	1.992	
18/06/26	12	44	1371	2.063	
18/06/26	18	58	1745	2.134	
19/06/26	02	20	2187	2.206	
19/06/26	11	40	2747	2.277	
19/06/26	19	37	3224	2.348	
20/06/26	06	59	3906	2.419	
20/06/26	16	59	4506	2.490	
21/06/26	04	18	5185	2.561	
21/06/26	15	28	5855	2.632	
22/06/26	06	11	6738	2.703	

Remarks: Approximately 500 litres of water added.

Test effective depth [m] 1.04
Vp75 [m] = 1.9685
Vp25 [m] = 2.4895
Tp75 [mins] = 859.94
Tp25 [mins] = 4497.30

Soil Infiltration Rate [m/s] = 2.418E-07

Onsite Extrapolation Ratio = 0.7

(use 1 extrapolated)

Second Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (C)
22/06/26	09	25	0	1.664	
22/06/26	10	48	83	1.706	
22/06/26	12	53	208	1.747	
22/06/26	15	13	348	1.789	
22/06/26	17	34	489	1.831	
22/06/26	20	24	659	1.872	
22/06/26	22	53	808	1.914	
23/06/26	02	04	999	1.956	
23/06/26	05	30	1205	1.997	
23/06/26	09	01	1416	2.038	
23/06/26	12	57	1652	2.080	
23/06/26	17	27	1922	2.122	
23/06/26	21	00	2135	2.164	
24/06/26	01	44	2419	2.205	
24/06/26	05	00	2615	2.247	

Remarks: Approximately 500 litres of water added.

Test effective depth [m] 1.09
Vp75 [m] = 1.94
Vp25 [m] = 2.48
Tp75 [mins] = 921.71
Tp25 [mins] = 4418.06

Soil Infiltration Rate [m/s] = 2.542E-07

Onsite Extrapolation Ratio = 1.7

(use 1 extrapolated)

Third Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (C)
24/06/26	08	34	0	1.639	
24/06/26	13	10	276	1.718	
24/06/26	17	35	541	1.797	
24/06/26	22	00	806	1.876	
25/06/26	04	31	1197	1.955	
25/06/26	10	10	1536	2.034	
25/06/26	17	48	1994	2.113	
26/06/26	01	29	2455	2.193	
26/06/26	09	59	2965	2.272	
26/06/26	18	58	3504	2.351	
27/06/26	04	49	4095	2.430	
27/06/26	14	57	4703	2.509	
28/06/26	02	00	5368	2.588	
28/06/26	14	27	6113	2.667	
29/06/26	06	05	7051	2.746	

Remarks: Approximately 500 litres of water added.

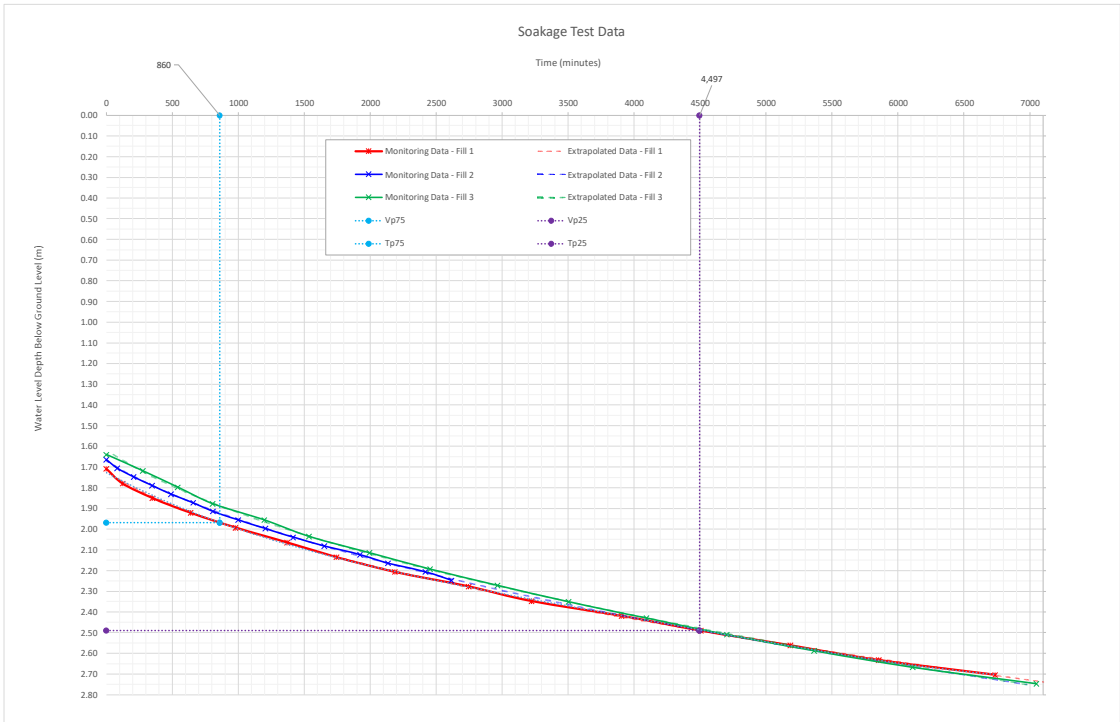
Test effective depth [m] 1.11
Vp75 [m] = 1.92
Vp25 [m] = 2.47
Tp75 [mins] = 985.12
Tp25 [mins] = 4447.53

Soil Infiltration Rate [m/s] = 2.582E-07

Onsite Extrapolation Ratio = 0.6

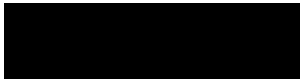
(use 1 extrapolated)

Slowest Soil Infiltration Rate [m/s] = 2.418E-07



Tested by:

Approved by:





SOAKAGE TEST RESULTS

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Soakaway Design Calculations to BRE365 (dG 365 Revised 2016)

Soakage Test Number SA2

Trial Pit Soakage Test

Soakage Pit Length [m] 1.40
Soakage Pit Width [m] 0.45
Soakage Pit Depth [m] 2.20
TP Test Base (if different) [m] 2.20
Pit Voids [%] 38.86
(100% if an open pit,
30% if measured if stone)

Borehole Soakage Test

Borehole Diameter [m]
Standpipe Diameter [m]
Borehole Depth [m]
BH Test Base (if different) [m]
Bentonite Seal Depth [m]
Borehole Surround Voids [%]
(100% if an open Borehole
30% if stone)

First Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (°C)
17/06/26	14	05	0	1.295	
17/06/26	14	09	4	1.367	
17/06/26	14	10	5	1.440	
17/06/26	14	11	6	1.512	
17/06/26	14	12	7	1.584	
17/06/26	14	14	9	1.656	
17/06/26	14	15	10	1.729	
17/06/26	14	16	11	1.801	
17/06/26	14	17	12	1.873	
17/06/26	14	18	13	1.946	
17/06/26	14	20	15	2.018	
17/06/26	14	21	16	2.090	
17/06/26	14	22	17	2.162	
17/06/26	14	24	19	2.235	
17/06/26	14	28	23	2.307	

Remarks: Less than 500 litres of water used

Test effective depth [m] 0.91
Vp75 [m] = 1.52125
Vp25 [m] = 1.97375
Tp75 [mins] = 5.77
Tp25 [mins] = 14.27

Soil Infiltration Rate [m/s] = 9.426E-05
Onsite Extrapolation Ratio = 0.6 (over 1 extrapolated)

Second Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (°C)
22/06/26	09	32	0	1.237	
22/06/26	09	33	1	1.314	
22/06/26	09	34	2	1.390	
22/06/26	09	35	3	1.467	
22/06/26	09	36	4	1.543	
22/06/26	09	37	5	1.620	
22/06/26	09	38	6	1.696	
22/06/26	09	39	7	1.773	
22/06/26	09	41	9	1.849	
22/06/26	09	42	10	1.926	
22/06/26	09	43	11	2.002	
22/06/26	09	44	12	2.079	
22/06/26	09	45	13	2.155	
22/06/26	09	46	14	2.232	
22/06/26	09	50	18	2.308	

Remarks: Less than 500 litres of water used

Test effective depth [m] 0.96
Vp75 [m] = 1.48
Vp25 [m] = 1.96
Tp75 [mins] = 3.05
Tp25 [mins] = 10.23

Soil Infiltration Rate [m/s] = 1.135E-04
Onsite Extrapolation Ratio = 0.6 (over 1 extrapolated)

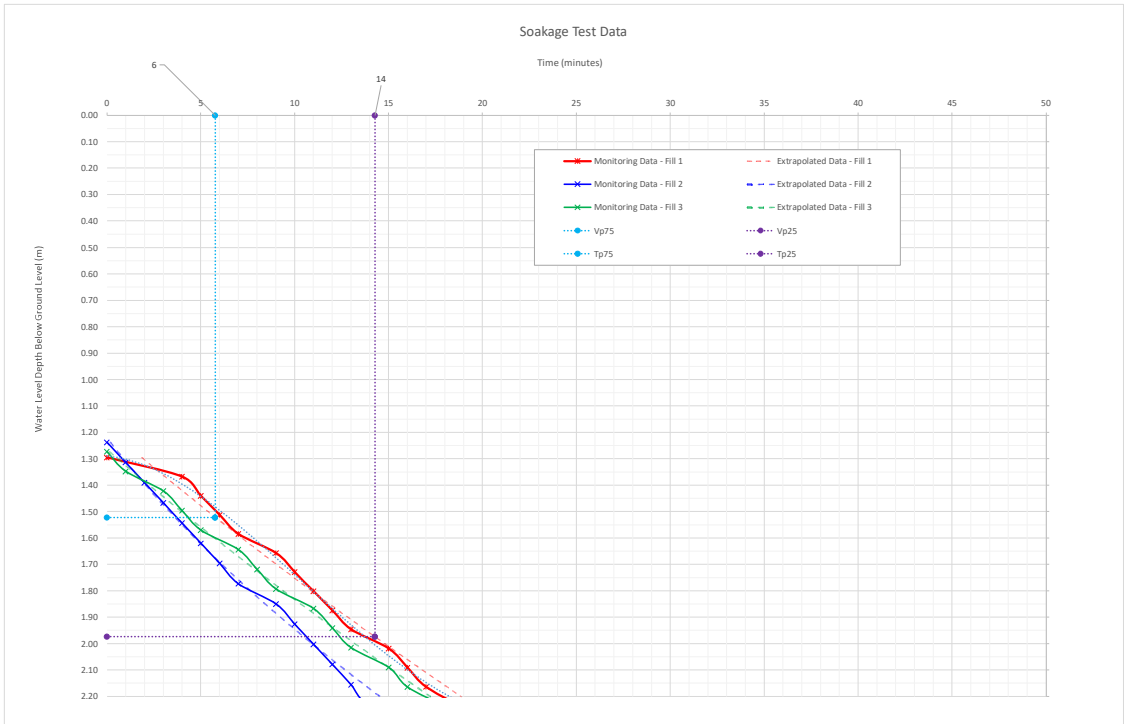
Third Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (°C)
24/06/26	08	41	0	1.273	
24/06/26	08	42	1	1.347	
24/06/26	08	44	3	1.421	
24/06/26	08	45	4	1.496	
24/06/26	08	46	5	1.570	
24/06/26	08	48	7	1.644	
24/06/26	08	49	8	1.718	
24/06/26	08	50	9	1.793	
24/06/26	08	52	11	1.867	
24/06/26	08	53	12	1.941	
24/06/26	08	54	13	2.015	
24/06/26	08	56	15	2.089	
24/06/26	08	57	16	2.164	
24/06/26	08	59	18	2.238	
24/06/26	09	01	20	2.312	

Remarks: Less than 500 litres of water used

Test effective depth [m] = 0.93
Vp75 [m] = 1.50
Vp25 [m] = 1.97
Tp75 [mins] = 4.05
Tp25 [mins] = 12.59

Soil Infiltration Rate [m/s] = 9.442E-05
Onsite Extrapolation Ratio = 0.6 (over 1 extrapolated)

Slowest Soil Infiltration Rate [m/s] = 9.426E-05



Tested by:

Approved by:



SOAKAGE TEST RESULTS

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Soakaway Design Calculations to BRE365 (DG 365 Revised 2016)

Soakage Test Number SA3

Trial Pit Soakage Test

Soakage Pit Length [m]	1.70	
Soakage Pit Width [m]	0.45	
Soakage Pit Depth [m]	2.50	
TP Test Base (if different) [m]	2.50	
Pit Voids [%]	38.86	(100% if an open pit, 30% or measured if closed)

Borehole Soakage Test

Borehole Diameter [m]	
Standpipe Diameter [m]	
Borehole Depth [m]	
BH Test Base (if different) [m]	
Bentonite Seal Depth [m]	
Borehole Surround Voids [%]	(100% if an open Borehole)

[illegible]

Remarks: Over 500 litres of water used (struggled to get 1m of water in the pit)

Test effective depth [m] 0.92
Vp75 [m] = 1.80925 Tp75 [mins] = 2.06
Vp25 [m] = 2.26975 Tp25 [mins] = 3.82
Soil Infiltration Rate [m/s] = 4.716E-04
Onsite Extrapolation Ratio = 0.8 (over 1 extrapolated)

[illegible]

Remarks: Over 500 litres of water used (struggled to get over 0.5m of water in the pit)

Test effective depth [m] 0.57
Vp75 [m] = 2.07 Tp75 [mins] = 0.56
Vp25 [m] = 2.36 Tp25 [mins] = 1.66
Soil Infiltration Rate [m/s] = 6.494E-04
Onsite Extrapolation Ratio = 0.8 (over 1 extrapolated)

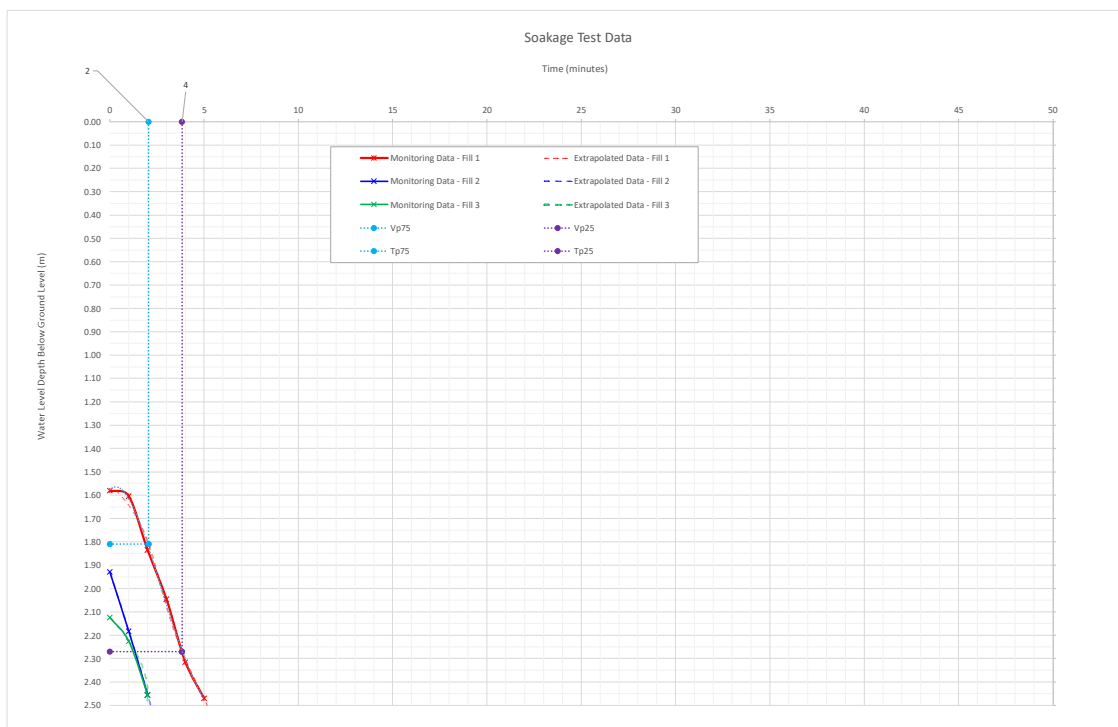
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Remarks:	Over 500 litres of water used (struggled to get much over 0.3m of water in the pit)
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Test effective depth [m] = 0.38
Vp75 [m] = 2.22 Tp75 [mins] = 0.93
Vp25 [m] = 2.41 Tp25 [mins] = 1.96

Soil Infiltration Rate [m/s] = 5.773E-04
Onsite Extrapolation Ratio = 1.0 (over 1 extrapolated)

Slowest Soil Infiltration Rate [m/s] = 4.716E-04



Tested by:

Approved by:



SOAKAGE TEST RESULTS

Project No.

iGeo-26-161A

Project Name

Wealden House, Lewes Rd, Ashurst Wood, RH19 3TB

Soakaway Design Calculations to BRE365 (DG 365 Revised 2016)

Soakage Test Number SA4

Trial Pit Soakage Test

Soakage Pit Length [m] 1.90
Soakage Pit Width [m] 0.45
Soakage Pit Depth [m] 2.55
TP Test Base (if different) [m] 2.55
Pit Voids [%] 38.86
(100% if an open pit,
30% or measured if stone)

Borehole Soakage Test

Borehole Diameter [m]
Standpipe Diameter [m]
Borehole Depth [m]
BH Test Base (if different) [m]
Bentonite Seal Depth [m]
Borehole Surround Voids [%]
(100% if an open Borehole
30% if stone)

First Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (°C)
17/06/26	14	25	0	1.264	
17/06/26	14	38	13	1.354	
17/06/26	14	52	27	1.445	
17/06/26	15	06	41	1.535	
17/06/26	15	25	60	1.625	
17/06/26	15	38	73	1.716	
17/06/26	15	57	92	1.806	
17/06/26	16	16	111	1.897	
17/06/26	16	37	132	1.987	
17/06/26	16	59	154	2.077	
17/06/26	17	24	179	2.168	
17/06/26	17	53	208	2.258	
17/06/26	18	32	247	2.348	
17/06/26	19	20	295	2.439	
17/06/26	20	36	371	2.529	

Remarks: Approximately 500 litres of water used.

Test effective depth [m] 1.29
Vp75 [m] = 1.5855
Vp25 [m] = 2.2285
Tp75 [mins] = 50.87
Tp25 [mins] = 198.56

Soil Infiltration Rate [m/s] = 6.219E-06
Onsite Extrapolation Ratio = 0.5 (over 1 extrapolated)

Second Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (°C)
22/06/26	09	52	0	1.411	
22/06/26	10	09	17	1.491	
22/06/26	10	25	33	1.571	
22/06/26	10	42	50	1.651	
22/06/26	10	59	67	1.731	
22/06/26	11	17	85	1.811	
22/06/26	11	35	103	1.891	
22/06/26	11	55	123	1.971	
22/06/26	12	14	142	2.050	
22/06/26	12	38	166	2.130	
22/06/26	13	02	190	2.210	
22/06/26	13	35	223	2.290	
22/06/26	14	09	257	2.370	
22/06/26	14	54	302	2.450	
22/06/26	17	47	475	2.530	

Remarks: Approximately 500 litres of water used.

Test effective depth [m] 1.14
Vp75 [m] = 1.70
Vp25 [m] = 2.27
Tp75 [mins] = 62.94
Tp25 [mins] = 211.54

Soil Infiltration Rate [m/s] = 6.009E-06
Onsite Extrapolation Ratio = 0.4 (over 1 extrapolated)

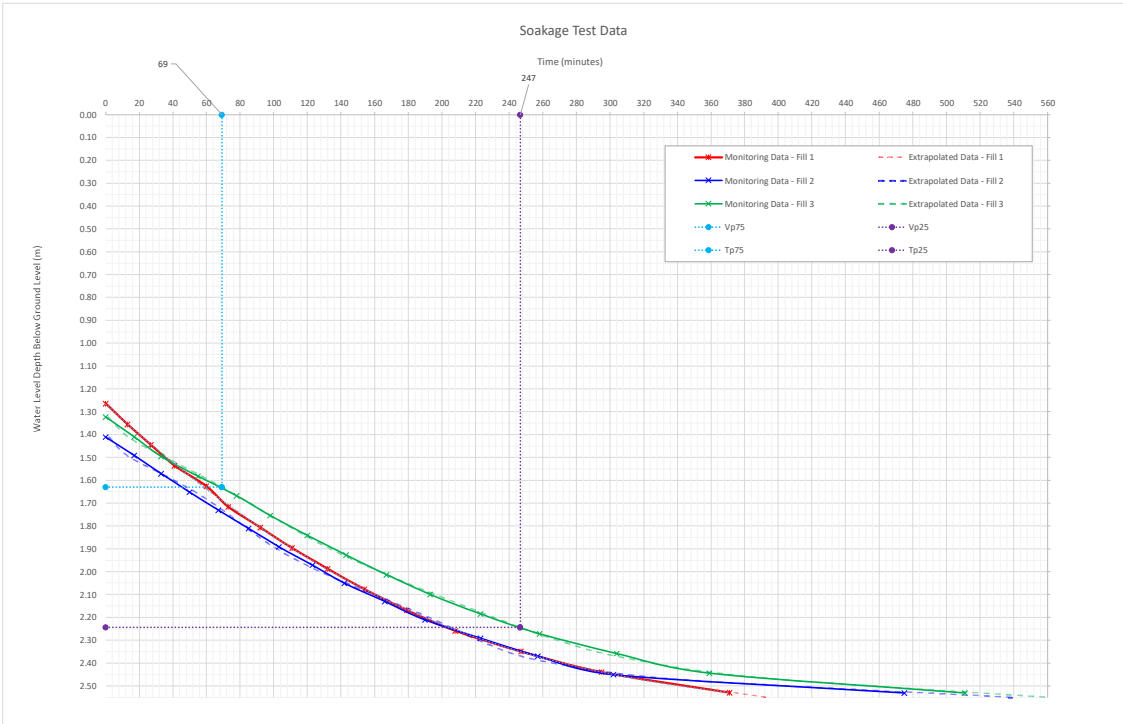
Third Fill					
Date (dd/mm/yy)	Hours (24hr)	Mins	Elapsed Time	Depth to Water (m)	Collapsing Observed (°C)
24/06/26	09	00	0	1.323	
24/06/26	09	17	17	1.409	
24/06/26	09	33	33	1.495	
24/06/26	09	55	55	1.582	
24/06/26	10	18	78	1.668	
24/06/26	10	38	98	1.754	
24/06/26	11	00	120	1.840	
24/06/26	11	23	143	1.927	
24/06/26	11	47	167	2.013	
24/06/26	12	13	193	2.099	
24/06/26	12	43	223	2.185	
24/06/26	13	18	258	2.271	
24/06/26	14	04	304	2.358	
24/06/26	14	59	359	2.444	
24/06/26	17	31	511	2.530	

Remarks: Approximately 500 litres of water used.

Test effective depth [m] 1.23
Vp75 [m] = 1.63
Vp25 [m] = 2.24
Tp75 [mins] = 69.23
Tp25 [mins] = 246.52

Soil Infiltration Rate [m/s] = 5.126E-06
Onsite Extrapolation Ratio = 0.5 (over 1 extrapolated)

Slowest Soil Infiltration Rate [m/s] = 5.126E-06



Tested by:

Approved by:



