

TECHNICAL NOTE

Job Name: Land at Bird in Eye Farm, South of Bird in Eye Hill, Uckfield
Job No: 48494/2002
Note No: TN004/C
Date: January 2023
Prepared By: Amy Hensler
Subject: **Technical Summary – Surface Water Drainage Strategy**

1 Introduction

- 1.1.1 Amy Hensler BSc (Hons), MSc, MCIWEM, C.WEM, CEnv, Director of Flood Risk at Stantec UK Limited is an experienced practitioner with 22 years' experience in professional engineering and environmental consultancy, and a chartered environmentalist and chartered water and environmental manager. Her academic qualifications include a BSc (Hons) in Geography from the University of Southampton and an MSc in Water Resource Management and Technology from the University of Birmingham.
- 1.1.1 This technical note has been produced by Stantec UK Limited ('Stantec') to provide a Technical Summary of the design progression of the Surface Water Drainage Strategy (SWDS) for the site known as 'Land at Bird in Eye Farm, South of Bird in Eye Hill, Uckfield' (henceforth referred to as 'the site').
- 1.1.2 The Technical Summary is required as part of the over-arching Planning Statement produced in support of the planning appeal in relation to the site, submitted by the applicant regarding the non-determination of outline planning application WD/2021/2198/MAO.
- 1.1.3 It is understood by Stantec that the matter outstanding for consensus between the applicant, the East Sussex County Council (ESCC) as the /Lead Local Flood Authority (LLFA) and Wealden District Council (WDC) is the discharge destination for the site's SWDS. Therefore, this Technical Summary has been produced to specifically address this matter i.e. other aspects of the SWDS are not discussed further within this document.
- 1.1.4 This Technical Summary should be read in conjunction with the documents previously produced by Stantec regarding the SWDS for the site, as listed in **Section 2**.

2 Surface Water Drainage Outfall Design

2.1 Chronology of Design

- 2.1.1 Stantec has provided technical support and evidence regarding the SWDS for the site since early 2020. Over that period several documents have been produced, describing the SWDS and documenting its evolution.
- 2.1.2 **Table 2.1** provides a chronology of SWDS-related documents produced by Stantec and others:

TECHNICAL NOTE

Document Title	Document Reference	Author	Date	Status
Flood Risk Assessment including Drainage Strategy & SuDS Report	48494/2001/C	Stantec	29 April 2021	Issued to WDC
Indicative Surface Water & Foul Drainage	48494/2002/500/A	Stantec	29 April 2021	Issued to WDC
Surface Water Drainage Outfall Concept Design	48494/2002/SK01/A	Stantec	22 November 2021	Issued to WDC
Bird in Eye Farm, Uckfield – G11770	G11770	Geotechnical Investigations Ltd	17 January 2022	Issued to WDC
Ground Conditions and Infiltration Assessment	332510180/3500/tn001/Rev0	Stantec	28 January 2022	Issued to WDC
Updated Surface Water Drainage Strategy following Infiltration Testing	48494/2002/TN002A	Stantec	31 January 2022	Issued to WDC
Indicative Surface Water & Foul Drainage Discharging Surface Water via Infiltration	48494/2002/510	Stantec	31 January 2022	Issued to WDC
Bird in Eye Farm, Uckfield – G11789	G11789	Geotechnical Investigations Ltd	23 November 2022	Not issued
Assessment of Alternative Outfall Route	48494/2002/SK05/A	Stantec	11 January 2023	Not issued

Table 2.1 - Summary of Surface Water Drainage Documents Produced

- 2.1.3 The following sub-section provides a description of how the proposed surface water drainage outfall design has progressed since initial outline planning application submission to present-day.

2.2 Description of Surface Water Drainage Outfall Design Progression

Initial Surface Water Drainage Outfall Design

- 2.2.1 For details of the initial surface water drainage outfall design, reference should be made to documents 48494/2001/C (henceforth referred to as 'the FRA'), 48494/2002/500/A and 48494/2022/SK01/A, as listed previously.
- 2.2.2 The FRA set out the application of the drainage hierarchy, in accordance with the Planning Practice Guidance (PPG) 'Flood risk and coastal change', Building Regulations Part H and CIRIA C753. It concluded that infiltration would not be suitable on site due to the easily erodible nature of the underlying geology and therefore the risk of surface collapse. However, this statement was based on available desk-based information and recommended that targeted in-situ soakage testing in accordance with BRE Soakaway Design (DG 365) be carried out at a future reserved matters application stage. That approach had been agreed with the LLFA.
- 2.2.3 As such, the FRA recommended discharge to a surface water body until infiltration was proven viable. The preferred receptor for discharge of surface water was the Framfield Stream on the site's western boundary, due to the sites natural fall towards the stream and its location within the site's control i.e. no third party agreements would be required for construction of this outfall.
- 2.2.4 Following this, the initial design for discharging surface water was developed. The route of the surface water outfall was via a gravity sewer through the Ancient Semi-Natural Woodland (ASNW) via an existing clearing for overhead powerlines on the site's southern and western boundary. This design was developed to make use of the natural topography of the site whilst minimising impact to the ASNW.
- 2.2.5 Following submission of outline planning application WD/2021/2198/MAO, it was indicated, on 25 October 2021, that WDC would not accept the initial surface water outfall route as it passed through ASNW and that infiltration testing must be undertaken at this stage to prevent any negative impacts.

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- 2.2.6 It was agreed with the LLFA on 05 May 2020 that on site soakage testing would be deferred to a future reserved matters application. This reflected working practices in response to the COVID-19 pandemic at the time, whereby non-essential travel away from the home was not permitted. WDC was not present at this meeting and as such, WDC later stated on 26 November 2021 that it would accept infiltration testing to be conditioned in accordance with the agreement with the LLFA.
- 2.2.7 Through coordination with other technical disciplines following submission of the outline planning application, Stantec acknowledged that it would not be acceptable to utilise a clearing in the ASNW for surface water drainage features. This is because there would be potential for adverse impacts to the ASNW. It was then agreed by Stantec and the applicant that infiltration testing would be undertaken to remove reliance on the initial surface water outfall design for drainage.

Revised Infiltration-led Surface Water Drainage Outfall Design

- 2.2.8 For details of the revised infiltration-led surface water drainage outfall design, reference should be made to documents GI1770, 332510180/3500/tn001/Rev0, 48494/2022/TN002A and 48494/2002/510.
- 2.2.9 Following WDC's comments regarding the initial surface water drainage outfall design, targeted in-situ soakage testing in accordance with BRE DG 365 was undertaken by Geotechnical Investigations Ltd, with the results and interpretation provided by Stantec shortly afterwards. This testing was undertaken to provide the applicant an initial steer on the viability of infiltration drainage on site, albeit acknowledging this would still be subject to further testing during winter alongside monitoring groundwater levels to determine a seasonal peak groundwater level.
- 2.2.10 This investigation concluded that infiltration was not viable across the site but could be utilised at the proposed basin location based on current design guidance in CIRIA C753.
- 2.2.11 As such, the proposed detention basin design was converted to an infiltration basin and resized to manage surface water to the same standard as the FRA previously. Additionally, a 5m offset of buildings and structures (including highways) from the infiltration basin was recommended due to the ground stability issues highlighted in the FRA
- 2.2.12 The methodology for this amendment and the relevant changes to the SWDS within the FRA were set out in 48494/2002/TN002A and issued to WDC and the LLFA for their information during determination of the outline planning application.
- 2.2.13 Therefore, a revised SWDS was provided to WDC that managed surface water runoff and provided no impact on the ASNW.
- 2.2.14 Comments received from WDC on 01 March 2022 indicated that they were "sceptical" regarding the revised infiltration-led surface water drainage outfall design as a seasonal peak groundwater level could not be determined through one test alone. However, as before, they were willing to condition further testing alongside groundwater monitoring during the winter period to determine wet weather performance and a seasonal peak groundwater level.

Alternative Surface Water Drainage Outfall Design

- 2.2.15 For details of the alternative surface water drainage outfall design, reference should be made to documents GI1789 and 48494/2002/SK05/A.
- 2.2.16 Further soakage testing and groundwater monitoring at the proposed basin location was undertaken by Geotechnical Investigations Ltd in November 2022. This was undertaken ahead of the anticipated condition for further infiltration testing and groundwater monitoring requested by WDC whilst awaiting determination of the outline planning application, seeking a robust SWDS and that this information could be provided in a timely manner.

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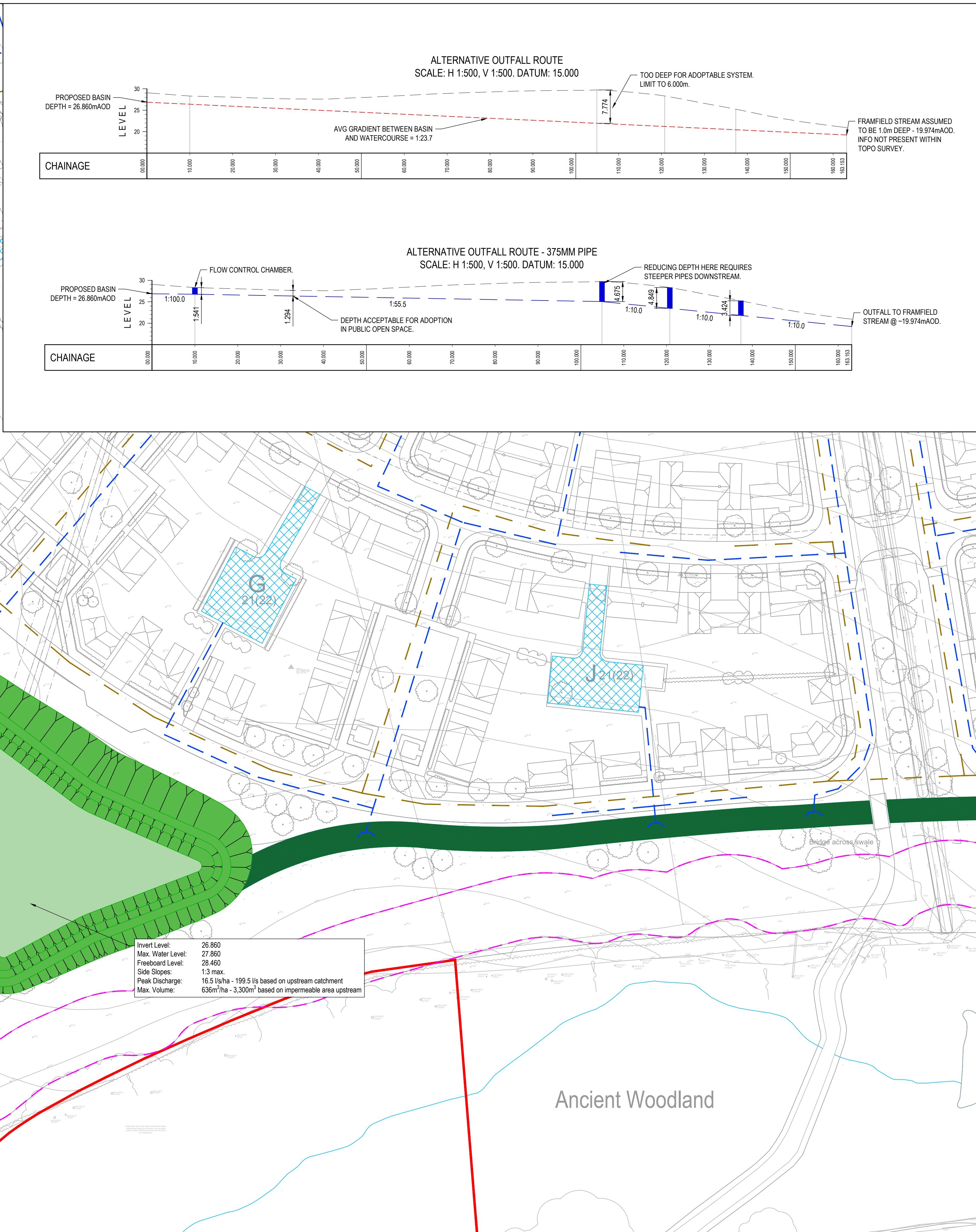
- 2.2.17 However, high groundwater levels were recorded resulting in poor infiltration rates, indicating an infiltration-led surface water outfall design unviable. Therefore, infiltration as a means of surface water discharge on site was discounted, with further testing and monitoring abandoned as it was no longer necessary.
- 2.2.18 Discharge to the Framfield Stream, as per the initial surface water drainage outfall design, again becomes the preferred point of discharge. However, cognisant of WDC's previous comments, the outfall route is designed to avoid the ASNW designation.
- 2.2.19 An alternative outfall route has been determined by Stantec which circumnavigates the ASNW designation. The outfall route directs surface water northwards around the ASNW before turning west towards the Framfield Stream at a point outside of the designation. This outfall design does not completely follow the natural topography on site, however it is still achievable via a gravity sewer but requires surface water drainage infrastructure up to 6.0m below existing ground levels, depending on the size of outfall pipe used. This depth is the limit of such infrastructure that would potentially be adoptable by Southern Water as the local sewerage undertaker.
- 2.2.20 It should be noted, owing to timescales and on the ongoing planning appeal process, WDC and the LLFA have not been provided GI1789 or 48494/2002/SK05/A to date and are attached to this Technical Summary.

3 Conclusion

- 3.1.1 This Technical Summary has provided a chronology and description of the proposed surface water outfall to serve the proposed development applied for within WD/2021/2198/MAO.
- 3.1.2 Following receipt of comments from WDC over the lifetime of this project, and in accordance with the relevant policy and guidance, a surface water drainage outfall design has been developed by Stantec has robustly demonstrated that infiltration is not a viable means of surface water discharge, that has no impact on the ASNW and is fully deliverable without third party agreement.
- 3.1.3 Therefore, it is concluded that the proposed development has a viable surface water drainage outfall that does not prejudice the delivery of the development itself.
- 3.1.4 It is accepted that a surface water drainage related condition will still be required for discharge via a future reserved matters application. This condition will require the provision of more detail surface water drainage design information, as is typical, but will no longer require the specific wording proposed by WDC regarding infiltration testing as this has already been undertaken.
- 3.1.5 Final designs of the SWDS and the respective outfall are subject to future relevant reserved matters applications and Flood Risk Activity Permit from the Environment Agency (the Framfield Stream is designated as a Main River).
- 3.1.6 The iterative design process, as set out in this Technical Summary, has resulted in a surface water drainage strategy that achieves its purpose, in accordance with national and local policy and guidance, but entirely avoids encroachment into the ASNW.

Attachments

- 48494/2002/SK05/A – Assessment of Alternative Outfall Route
- Bird in Eye Farm, Uckfield – GI1789



- | | |
|---|---|
|  | Application Boundary |
|  | Ancient Woodland 15m Buffer Zone |
|  | Proposed Surface Water Drainage Sewer (indicative only) |
|  | Proposed Foul Drainage Sewer (indicative only) |
|  | Proposed Surface Water Drainage Headwall |
|  | Proposed Permeable Paving |
|  | Proposed Swale |
|  | Proposed Basin |

A	Outfall alignment amended	11.01.23	LWD	-	-
Mark	Revision	Date	Drawn	Chkd	Appd

SCALING NOTE: Do not scale this drawing - any errors or omissions shall be reported to Stantec without delay.

UTILITIES NOTE: The position of any existing public or private services, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status	For Information
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Land at Bird in Eye Farm
South of Bird in Eye Hill, Uckfield

Assessment of Alternative Outfall Route

Client	
Croudace Homes Limited	

Date of 1st Issue 08.11.2022	Designed LWD	Drawn LWD	<p>stantec.com/uk</p> <p>Copyright reserved The copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that</p>
A1 Scale 1:500	Checked -	Approved -	

Drawing Number	Revision
48494/2002/SK05	A

Croudace Homes
Croudace House
Tupwood Lane
Caterham
Surrey
CR3 6XQ

Geotechnical Investigations Limited
Unit 1
Far Hill Farm
Fairford
Gloucestershire
GL7 4PZ

23rd November 2022

Bird in Eye Farm, Uckfield – GI1789

Geotechnical Investigations Limited (this Company) was instructed by Emma Challenger of Croudace Homes (the Client) via email dated 14th October 2022, to undertake a site investigation at the above site.

The sitework was conducted between 7th and 10th November 2022 and comprised the excavation of four (4) trial pits. Trial pits referenced TP101 to TP103 and TP102A were formed for the purpose of soakaway tests, which were conducted at each location.

The exploratory hole locations were set out by this company using the coordinates and exploratory location plan provided by the Client and are shown in figure 1.

Service information provided by the Client was reviewed by this company in advance of the siteworks. A CAT (cable avoidance tool) was used by a suitably qualified engineer at every exploratory location before commencing each excavation.

The trial pits were excavated using a 13 tonne tracked excavator using 0.45m and 0.60m wide buckets. The trial pits were 'made square' as much as possible prior to commencing the soakaway tests.

The material arising was logged by an engineering geologist.

A slotted 50mm diameter HDPE groundwater monitoring pipe was installed to the base of each pit, before imported 20mm washed shingle was used to backfill each soakaway pit to near surface, using the excavator and a 6 tonne dumper, in order to maintain the stability of the pits during soakaway testing.

A supply of potable water contained within 2500ltr water bowzers, towed by the 6 tonne dumper, was then used to rapidly fill each trial pit where soakaway testing was undertaken. Soakaway tests were conducted in accordance with BRE DG 365 (2016) and the result for each test are attached.

Initially a soakaway test was commenced in TP102 at 3.60m, which was beyond the target depth of 2.80m. TP102A was therefore excavated to 2.80m adjacent to TP102.

Due to heavy rainfall during the night of 8th/9th November (which resulted in surface water runoff entering the soakaway pits) water levels within all of the soakaway pits were seen to rise overnight.

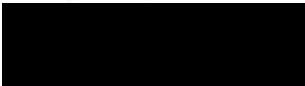
It was agreed on the 9th November to monitor the subsequent water levels within the pits and this was continued throughout 10th November. A single reading was also taken on the 11th November and the results are attached.

It was agreed that the formation of three (3) proposed shallow boreholes with monitoring standpipes would be postponed and the 50mm diameter groundwater monitoring standpipes used within the pits should be installed with headworks for future potential monitoring.

Trial pit logs and the results of associated soakaway tests are attached to this letter, along with photographs of the excavations.

On completion of the works, the exploratory hole locations were backfilled above the granular backfill layer with material arising and the surface was made good. Reinstatement was also made to the ground with the excavator, as a result of deep tracks being made by the heavy plant in soft surface conditions. This was done to the general satisfaction of the landowner.

This written report has been prepared by Geotechnical Investigations Limited solely for the benefit of Croudace Homes. It shall not be relied upon or transferred to any third party without the prior written authorisation of Geotechnical Investigations Limited.


Robert Ewens BSC (Hons) PGC FGS

Director



Site plan provided by Stantec
Not to scale



**GEOTECHNICAL
INVESTIGATIONS
LIMITED**

CLIENT Croudace Homes
SITE Bird in Eye Farm,
Uckfield
CONTRACT GI1789
Figure 1.



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Soakaway Test

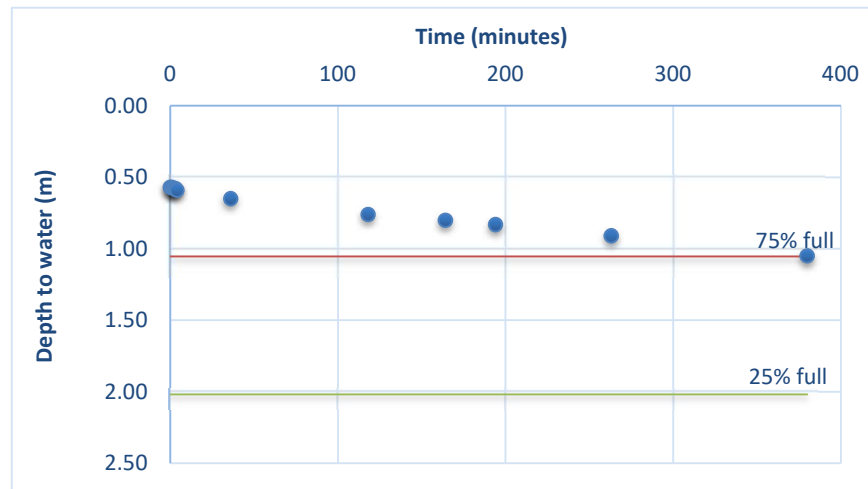
CLIENT Croudace Homes
SITE Bird Eye Farm, Uckfield
CONTRACT GI1789
DATE 08/11/2022
HOLE ID TP101

TEST 1

LENGTH 3.10 m
 BREADTH 0.60 m
 DEPTH 2.50 m
 WATER LEVEL PRE TEST Dry
 FILL LEVEL To 100% 0.57 m

V_{p75-25} 1.79 m³
 a_{p50} 9.00 m²
 t_{p75-25} ** min

soil infiltration rate, $f =$ **



Remarks

Trial pit excavated on 7/11/2022 using 13T tracked excavator.
 Trial pit remained stable during excavation.
 Groundwater seepage noted at 0.80m.
 Test carried out in accordance with BRE DG 365 (2016).

 Trial pit backfilled to 0.60mbgl with 20mm washed shingle to ensure pit stability. A 50mm HDPE groundwater monitoring pipe was installed to 2.50m with slotted section 2.50-0.60m and plain pipe 0.60-0.00m.
 ** Insufficient fall in water level to calculate t_{p75-25} and soil infiltration rate.

Geological Description (BS5930 2015)

0.00-0.50m	Grass over brown very silty SAND/very sandy SILT.
0.50-2.50m	Light brown and orangish-brown silty gravelly fine SAND with occasional cobbles. Gravel and cobbles are subangular fine to coarse sandstone.



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Soakaway Test

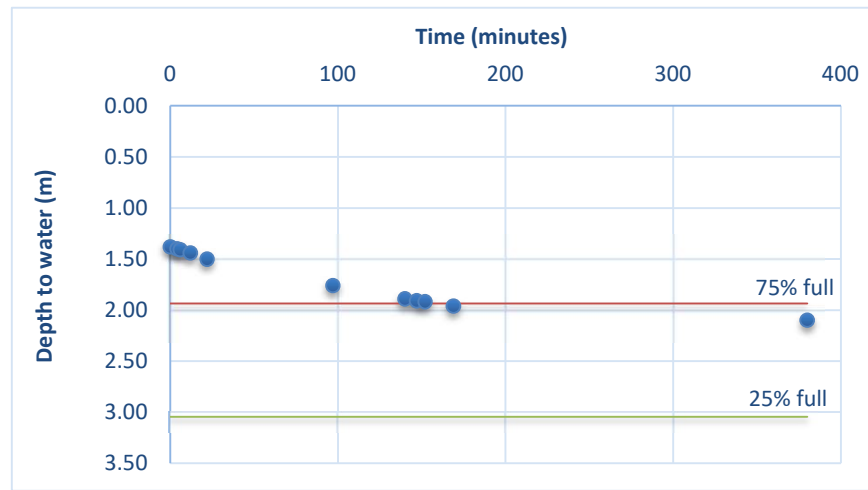
CLIENT Croudace Homes
SITE Bird Eye Farm, Uckfield
CONTRACT GI1789
DATE 08/11/2022
HOLE ID TP102

TEST 1

LENGTH 3.00 m
 BREADTH 0.60 m
 DEPTH 3.60 m
 WATER LEVEL PRE TEST Dry
 FILL LEVEL To 100% 1.38 m

V_{p75-25} 2.00 m³
 a_{p50} 9.79 m²
 t_{p75-25} ** min

soil infiltration rate, $f =$ **



Remarks

Trial pit excavated on 7/11/2022 using 13T tracked excavator.
 Some sidewall spalling noted 0.50-1.00m during excavation.
 Groundwater seepage noted at 0.80m.
 Test carried out in accordance with BRE DG 365 (2016).

Trial pit backfilled to 0.50mbgl with 20mm washed shingle to ensure pit stability. A 50mm HDPE groundwater monitoring pipe was installed to 2.50m with slotted section 2.50-0.50m and plain pipe 0.50-0.00m.

** Insufficient fall in water level to calculate t_{p75-25} and soil infiltration rate.

Geological Description (BS5930 2015)

0.00-0.45m	Grass over brown very silty SAND/very sandy SILT.
0.45-1.40m	Firm fissured mottled light brown and buff silty CLAY.
1.40-3.60	Light brown and orangish-brown silty gravelly fine SAND with occasional cobbles. Gravel and cobbles are subangular fine to coarse sandstone.



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Soakaway Test

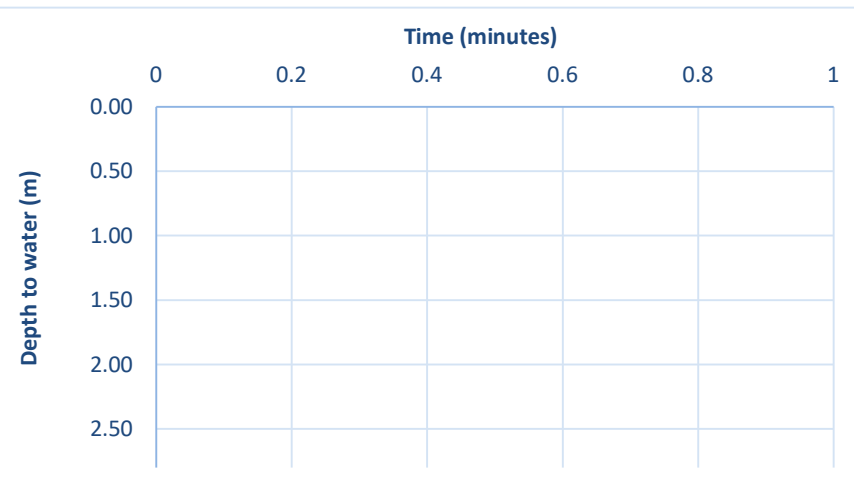
CLIENT Croudace Homes
SITE Bird Eye Farm, Uckfield
CONTRACT GI1789
DATE 08/11/2022
HOLE ID TP102A

TEST 1

LENGTH 2.90 m
BREADTH 0.45 m
DEPTH 2.80 m
WATER LEVEL PRE TEST Dry
FILL LEVEL To 100% 0.37 m

 V_{p75-25} 0.00 m³
 a_{p50} 1.31 m²
 t_{p75-25} min

soil infiltration rate, $f =$



Remarks

Trial pit excavated using 13T tracked excavator.
Trial pit remained stable during excavation.
Groundwater not encountered.
Unable to undertake BRE soakaway test due to surface water runoff entering the pit overnight on 8th/9th November. Water levels in pits monitored following water ingress.

Trial pit backfilled to 0.40mbgl with 20mm washed shingle to ensure pit stability. A 50mm HDPE groundwater monitoring pipe was installed to 2.80m with slotted section 2.80-0.40m and plain pipe 0.40-0.00m.

Geological Description (BS5930 2015)

0.00-0.40m Grass over brown very silty SAND/very sandy SILT.
0.40-1.40m Firm fissured mottled light brown and buff silty CLAY.
1.40-2.80 Light brown and orangish-brown silty gravelly fine SAND with occasional cobbles. Gravel and cobbles are subangular fine to coarse sandstone.



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Soakaway Test

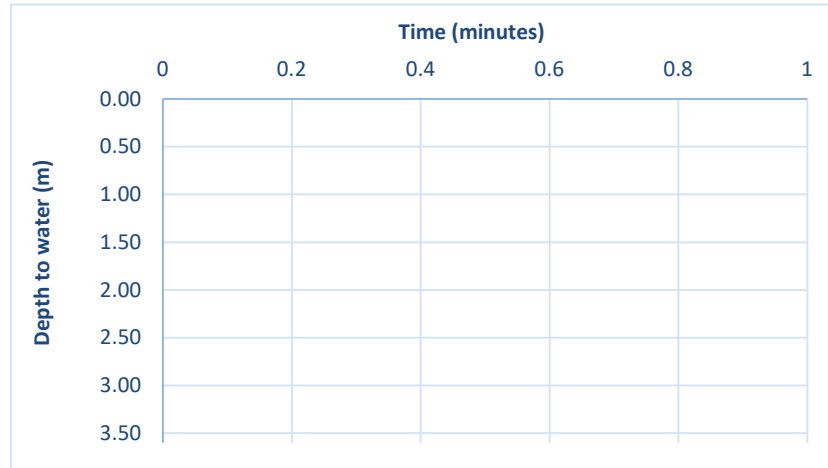
CLIENT Croudace Homes
SITE Bird Eye Farm, Uckfield
CONTRACT GI1789
DATE 08/11/2022
HOLE ID TP103

TEST 1

LENGTH 3.10 m
BREADTH 0.60 m
DEPTH 3.60 m
WATER LEVEL PRE TEST Damp
FILL LEVEL To 100% 0.37 m

 V_{p75-25} 0.00 m³
 a_{p50} 1.86 m²
 t_{p75-25} min

soil infiltration rate, $f =$



Remarks

Trial pit excavated using 13T tracked excavator.
Trial pit remained stable during excavation.
Groundwater seepage noted at 2.70m.
Unable to undertake BRE soakaway test due to surface water runoff entering the pit overnight on 8th/9th November. Water levels in pits monitored following water ingress event.

Trial pit backfilled to 1.00mbgl with 20mm washed shingle to ensure pit stability. A 50mm HDPE groundwater monitoring pipe was installed to 3.60m with slotted section 3.60-1.00m and plain pipe 1.00-0.00m.

Geological Description (BS5930 2015)

0.00-0.40m Grass over brown very silty SAND/very sandy SILT.
0.40-1.80m Light brown and orangish-brown very silty slightly gravelly SAND. Gravel is subangular fine to coarse sandstone.
1.80-3.10m Light brown and orangish-brown silty gravelly fine SAND with occasional cobbles. Gravel and cobbles are subangular fine to coarse sandstone.
3.10-3.60m SANDSTONE recovered as silty sandy angular GRAVEL and COBBLES.



**GEOTECHNICAL
INVESTIGATIONS
LIMITED**

Groundwater Monitoring

CLIENT Croudace Homes
SITE Bird Eye Farm, Uckfield
CONTRACT GI1789
DATE 9/11/2022 - 11/11/2022

Date	Hole ID	Time	Water level mbgl
09/11/2022	TP101	08:30hrs	0.41
09/11/2022	TP101	10:07hrs	0.47
09/11/2022	TP101	11:31hrs	0.54
09/11/2022	TP101	12:00hrs	0.54
09/11/2022	TP101	12:42hrs	0.62
09/11/2022	TP101	13:47hrs	0.69
09/11/2022	TP101	14:44hrs	0.73
09/11/2022	TP101	15:43hrs	0.76
09/11/2022	TP101	16:41hrs	0.81
10/11/2022	TP101	08:05hrs	1.34
10/11/2022	TP101	09:01hrs	1.37
10/11/2022	TP101	09:53hrs	1.39
10/11/2022	TP101	10:50hrs	1.41
10/11/2022	TP101	12:22hrs	1.45
10/11/2022	TP101	14:12hrs	1.52
10/11/2022	TP101	15:04hrs	1.53
10/11/2022	TP101	16:26hrs	1.55
11/11/2022	TP101	09:47hrs	1.84



**GEOTECHNICAL
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Groundwater Monitoring

CLIENT Croudace Homes
SITE Bird Eye Farm, Uckfield
CONTRACT GI1789
DATE 9/11/2022 - 11/11/2022

Date	Hole ID	Time	Water level mbgl
09/11/2022	TP102A	08:35hrs	0.10
09/11/2022	TP102A	10:08hrs	0.10
09/11/2022	TP102A	11:34hrs	0.20
09/11/2022	TP102A	12:04hrs	0.20
09/11/2022	TP102A	13:50hrs	0.35
09/11/2022	TP102A	14:46hrs	0.41
09/11/2022	TP102A	15:45hrs	0.49
09/11/2022	TP102A	16:45hrs	0.57
10/11/2022	TP102A	08:07hrs	1.35
10/11/2022	TP102A	09:03hrs	1.38
10/11/2022	TP102A	09:54hrs	1.41
10/11/2022	TP102A	10:51hrs	1.45
10/11/2022	TP102A	12:09hrs	1.50
10/11/2022	TP102A	14:06hrs	1.53
10/11/2022	TP102A	15:02hrs	1.57
10/11/2022	TP102A	16:24hrs	1.59
11/11/2022	TP102A	09:45hrs	1.86



**GEOTECHNICAL
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LIMITED**

Groundwater Monitoring

CLIENT Croudace Homes
SITE Bird Eye Farm, Uckfield
CONTRACT GI1789
DATE 9/11/2022 - 11/11/2022

Date	Hole ID	Time	Water level mbgl
09/11/2022	TP103	08:38hrs	2.07
09/11/2022	TP103	10:11hrs	2.07
09/11/2022	TP103	11:36hrs	2.06
09/11/2022	TP103	12:06hrs	2.06
09/11/2022	TP103	12:46hrs	2.04
09/11/2022	TP103	14:49hrs	2.03
09/11/2022	TP103	15:47hrs	2.02
09/11/2022	TP103	16:43hrs	2.01
10/11/2022	TP103	08:09hrs	1.99
10/11/2022	TP103	09:05hrs	1.94
10/11/2022	TP103	09:56hrs	1.94
10/11/2022	TP103	10:53hrs	1.94
10/11/2022	TP103	11:58hrs	1.94
10/11/2022	TP103	14:02hrs	1.95
10/11/2022	TP103	15:00hrs	1.97
10/11/2022	TP103	16:22hrs	1.97
11/11/2022	TP103	09:47hrs	2.00