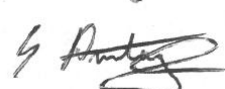




Geo-Environmental

GROUND INVESTIGATION REPORT
for the land at
LAND SOUTH OF MORTIMERS LANE,
FAIR OAK, HAMPSHIRE,
SO50 7HN
on behalf of
BLOOR HOMES SOUTHERN



Report:	GROUND INVESTIGATION REPORT
Site:	LAND SOUTH OF MORTIMERS LANE, FAIR OAK, HAMPSHIRE, SO50 7HN
Client:	BLOOR HOMES SOUTHERN
Date:	14/11/2024
Reference:	GE21215-GIRv2.1-NOV24
Version:	2.0
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AMENDMENT RECORD

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1.0	28/04/2023	First Issue	FG	SA	LL
2.0	01/09/2023	Update to include additional gas monitoring results	FG	LL	LL
2.1	14/11/2024	Update to development proposals and following client comments	FG	FG	FG



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FIGURES

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APPENDIX D	Gas and Groundwater Monitoring Results



EXECUTIVE SUMMARY		
Site Details	Site Address	Land South of Mortimers Lane, Fair Oak, Hampshire, SO50 7HN
	National Grid Reference	450686, 118681
	Site Area	11.05Ha (approx.)
	Form of Development	Outline application for up to 245 dwellings (Use Class C3), up to 350sqm multi-functional space, mobility infrastructure (Use Class Sui Generis), with associated open space, landscaping, infrastructure, and vehicular access off Mortimers Lane, Fair Oak; All matters reserved except for vehicular access off Mortimers Lane and pedestrian / cycle connections to the site boundary.
Encountered Conditions	Scope of works	An intrusive investigation was required to confirm the ground and groundwater conditions and to support the development of a ground gas risk assessments pertaining to the site in relation to the proposed development.
	Ground Conditions	The ground conditions encountered within the exploratory holes undertaken were broadly consistent with those anticipated, i.e. a thickness Topsoil overlying London Clay Formation. Soils of the Whitecliff Sand Member were not encountered during the intrusive investigation works undertaken.
	Groundwater	Groundwater was encountered within boreholes, WS01, WS02, WS03, WS08 and WS11 (5No. of the 12No. positions undertaken) during the intrusive investigation works undertaken, between depths of 2.00m and 4.00m bgl (44.23 to 50.80m AOD). Groundwater monitoring wells were installed within window sampler boreholes WS01-WS12 at depths between 3.00m and 5.00m bgl to provide coverage across the site. Thirteen return spot groundwater monitoring rounds (with gas recorded on 12 of the visits) have been completed between December 2022 and August 2023, with groundwater encountered between depths of 0.01m bgl and 4.01m bgl prior to any bailing/purging and between 0.05m and 4.15m bgl following recovery after bailing/purging of the wells was completed, with water being recorded at surface level within WS08 and WS10 on a couple of occasions in January and February 2023.
Gas Assessment	Radon Gas	No radon protection measures are required.
	Ground Gases	It is considered, based on the site conceptual model and monitoring undertaken to date that gases are not migrating from the nearby former landfill sites, that only diffusive flow conditions are present beneath the site, and that only low-risk sources of bulk gases are actually present on the subject site, due to the biological respiration within the underlying natural geology (London Clay Formation). In addition, it is also considered that should the active gas collector system present on Fair Oak Landfill site fail or be switched off, any gas would migrate via more preferential pathways based on underlying permeable soils, groundwater flow direction and topography in a south westerly direction away from the subject site. Based on the gas risk assessment the site's gassing regime, based on both hazardous gas flow and limiting concentrations, is classified as Characteristic Situation 1 (CIRIA and BS) and Green (NHBC) for which gas protection measures would not be required.
Further Action: - When development proposals have been decided, undertake further intrusive investigation works to enable geotechnical assessment and soil contamination assessments to be undertaken to support proposed development; - A discovery strategy must be maintained during development such that any abnormal conditions (geotechnical or potential contamination) are identified, the discovery strategy should be enacted and their potential impact on the proposed development assessed prior to determining any potential mitigation measures.		

**EXECUTIVE SUMMARY**

This Executive Summary is intended to provide a brief summary of the main findings and conclusions of the investigation. For detailed information, the reader is referred to the main report ref. GE21215-GIRv2.1-NOV24.



1.0 INTRODUCTION

1.1 General

Geo-Environmental Services Limited, (Geo-Environmental) was instructed by Bloor Homes Southern, (the Client), to undertake an investigation of the ground gas risks pertaining to the proposed development at Land South of Mortimers Lane, Fair Oak, Hampshire, SO50 7HN (herein referred to as 'the site'). The site's location is presented in Figure 1.

A Standalone Desk Study Report, reference GE21215/DSRv1.1/NOV24, was previously prepared by Geo-Environmental for the site. Subsequent to the findings of the desk study and preliminary risk assessment, an intrusive Phase II investigation was undertaken into the ground gas conditions pertaining to the site and its redevelopment.

1.2 Form of Development

Outline application for up to 245 dwellings (Use Class C3), up to 350sqm multi-functional space, mobility infrastructure (Use Class Sui Generis), with associated open space, landscaping, infrastructure, and vehicular access off Mortimers Lane, Fair Oak; All matters reserved except for vehicular access off Mortimers Lane and pedestrian / cycle connections to the site boundary.

1.3 Objectives

The investigation was to comprise an intrusive investigation undertaken into the geo-environmental ground gas conditions pertaining to the site.

The objective of the investigation and subsequent assessments was to evaluate the risks posed to the proposed redevelopment, adjacent land uses and the wider environment, in the context of likely planning requirements, immediate liabilities under the Environmental Protection Act 1990 and risks posed to Controlled Waters under the Water Resources Act from the current status of the site and in line with the current redevelopment in relation to ground gas.

1.4 Standards and References

Where practicable, the ground investigation and subsequent environmental assessments were undertaken in accordance with the following documents and guidance.

- National Planning Policy Framework, December 2023;
- Land Contamination Risk Management (LCRM), updated July 2023;
- Model Procedures for the Management of Contaminated Land, CLR11, DEFRA and Environment Agency 2004 (withdrawn);
- Environment Agency Guidance on Requirements for Land Contamination Reports, Version 1 dated July 2005;
- BS10175:2011+A2:2017 - Investigation of Potentially Contaminated Sites - Code of Practice, BSI 2017;
- BS5930:2015+A1:2020 - Code of Practice for Site Investigations, BSI 2020;
- CIRIA C665 – Assessing risks posed by hazardous ground gases to buildings (2007);
- NHBC 10627-R01(04)- Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present (2007);
- BS8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings.



1.5 Conditions

This report does not purport to be a “Geotechnical Design Report” as defined in Clause 2.8 of Eurocode 7 (Geotechnical Design BS EN 1997-1:2004) and some of the data used to support this preliminary geotechnical assessment may not be fully compliant with that design code. It is considered possible that further detailed ground investigations could be required to facilitate the detailed geotechnical design process and should be carried out on a structure specific basis if necessary.

The desk study data where obtained/reviewed for the site or where presented as part of third party reports is assumed to be factually correct and up to date at the point of purchase. No liability is taken for any omissions or inaccuracies in the data presented. It must also be noted that changes to the desk study data may occur following the production of this report, Geo-Environmental accepts no liability where this subsequently affects the assessment presented herein.

The data collected from the investigations have been used to provide an interpretation of the geotechnical and/or environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained. Geo-Environmental takes no responsibility for conditions that either have not been revealed in the available records, or that occur between or under points of physical investigation, or that result from updates to desk based data/third party investigations utilised subsequent to that presented herein or reviewed at the time of writing which may in turn alter the presented assessment. Whilst every effort has been made to interpret the conditions, such information is only indicative and liability cannot be accepted for its accuracy.

It must be noted that the findings and assessment presented herein are based on the ground and groundwater conditions as encountered at the time of investigation within the investigation positions undertaken and any associated testing and monitoring. The ground by its very nature is variable and the engineering properties of soils can vary over time, such as due to changes in soil moisture content, disturbance and similar factors. Similarly, groundwater conditions can and do vary over time. As such, if conditions are encountered which differ from those described herein, the Client or their appointed representative, e.g. contractor, must seek advice from a Geotechnical Engineer at the earliest practicable opportunity. It is possible that this could result in changes to the assessment presented herein.

It should be noted that in particular the concentrations and levels of mobile liquid and gaseous materials are likely to vary with time. The results obtained may therefore only be representative of the conditions at the time of sampling. The absence of asbestos noted during the site walkover or within any soil samples analysed does not guarantee the absence of asbestos within buildings, within or bonded to concrete, as discrete burials, or within the soils mass elsewhere within a site. This report should not be taken as any guarantee that a site is free of hazardous or potentially contaminative materials.

Information contained in this report is intended for the use of the Client and Geo-Environmental can take no responsibility for the use of this information by any party for uses other than that described in this report. Geo-Environmental makes no warranty or representation whatsoever express or implied with respect to the use of this information by any third party. Geo-Environmental does not indemnify the Client or any third parties against any dispute or claim arising from any finding or other result of this investigation report or any consequential losses.

Assessment criteria or other parameters developed for the evaluation of contamination on this site are based on a number of assumptions regarding exposure and toxicology. Exposure to contaminants and levels of adverse effects may therefore vary. Whilst reasonable care and expertise has been employed in the development of such criteria, no liability is accepted in this respect. Other criteria or guidance on the development of assessment criteria may be published in the future and no liability is accepted in this respect.

This report remains the property of Geo-Environmental and the Client has no rights to, or reliance upon this document or supporting documents until such time as payment has been received in full for all invoices for works undertaken in connection with this report.



2.0 SITE CONTEXT

2.1 Site Description

The site comprised an irregularly shaped parcel of land which extended to c.11.05Ha and was located at NGR 450686, 118681. A detailed site walkover survey was undertaken on 15th December 2022 and presented within the desk study report (GE21215/DSRv1.1/NOV24), the key details of which are included herein. Photographs taken during the site walkover survey are presented in Appendix A.

The site was accessed from the north via a gateway secured with a steel bar gate located off Mortimers Lane. A grassed farm track ran from this access way into the site providing access to the three fields and adjacent fields outside of the site boundary. The track was laid to grass with track marks and sloped gently upwards at first then sloped away to the south down towards the southern field.

The northern field was roughly square shaped and laid to grass. An access farm track was located to the east of this field. The field sloped gently down to the southwest and was bounded by fencing along all boundaries with mixed hedgerows and trees along the northern, southern and western boundaries.

A small field was located to the south of the northern field, was laid to grass and was mainly flat and level. The field was fenced along all boundaries with a hedgerow and trees located along the northern and western boundaries.

The southern field made up the majority of the site and was laid to grass. The field sloped away to the south with the lowest point of the site along the southern boundary. This low southern portion of the site was noted to be wet under foot during the walkover survey. A drainage ditch was also noted to be present along this southern boundary located outside of the site. Overhead electrical cables were located in the south-eastern portion of the field running in a northeast to southwest direction. The southern field was bounded by fencing on all boundaries along with hedgerows and trees along the eastern, southern and western boundaries.

The site was bounded by residential properties to the west, Mortimers Lane with fields beyond to the north, agricultural fields to the east and commercial uses (storage yard and data centre) and a former landfill site to the south. This former landfill site was observed to have an active gas extraction system located approximately 60m south of the southern site boundary.

2.2 Geology

British Geological Survey (BGS) geological mapping indicated the geology underlying the site to comprise the bedrock geology of the London Clay Formation across the majority of the site with an outcrop of the Whitecliff Sand Member across the central western portion of the site. In addition, there is a possibility that limited areas of the site, most likely limited to the current track access to the site, may comprise a mantle of Made Ground overlying these natural strata. Made Ground/infilled ground is also understood to be present to the south of the site due to the presence of a former landfill site.

BS5930:2015 defines **Made Ground** as anthropogenic ground in which the material has been placed without engineering control and/or manufactured by man in some way, such as through crushing or washing, or arising from an industrial process. Great variations in material type, thickness and degree of compaction invariably occur and there can be deleterious or harmful matter, as well as potentially methanogenic organic material. In addition, on sites which have undergone several phases of historic development it is not uncommon for asbestos to be present at surface and within Made Ground and/or disturbed soils.

Within the south Hampshire and Solent region, the **London Clay Formation** consists predominantly of silty clay, sandy clay and silty sand, sporadic claystones occur and thin but persistent bands of rounded flint pebbles occur at the bases of sedimentary cycles. Lenticular bodies of sand such as the **Whitecliff Sand** and Portsmouth Sand fill channels in the upper parts of the formation.



2.3 Hydrogeology

The underlying bedrock strata were classified as a Secondary 'A' aquifer (Whitecliff Sand) and Unproductive Strata (London Clay).

Secondary 'A' aquifers are defined as, permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

Unproductive Strata are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

The site is not shown to be located within a Groundwater Source Protection Zone (SPZ).

The site was identified as being located within an area with limited potential of groundwater flooding to occur. The Whitecliff Sand is considered likely to have a higher permeability than the surrounding strata of the London Clay Formation. It is also possible that infiltrating water could become perched within the Whitecliff Sand and sandier strata where constrained by less permeable strata, such that a single groundwater body within the London Clay Formation is unlikely.

The nearest surface water feature which comprised a pond which was located c.5m east of the site.

2.4 Radon

The Envirocheck report states that the site lies in an area where <1% of homes are above the Action Level as defined by Public Health England and the BGS. In addition, the BGS assessment states that no radon protective measures are required in the construction of new houses or extensions on the site.



3.0 PRELIMINARY RISK ASSESSMENT SUMMARY

The Preliminary Risk Assessment (PRA) and Conceptual Site Model (CSM) developed from the information gathered as part of the desk study (ref. GE21215/DSR/FEB23) process identified plausible potential pollutant linkages that exist in relation to the proposed residential redevelopment of the site. However, the preliminary risk rating for each potential linkage identified ranged from moderate, moderate/low to very low with a moderate risk assigned in relation to ground gases.

The potential pollutant linkages established within the desk study were not considered to prevent development on the subject site, but were considered to require investigation and assessment to support further characterisation, calibration of the CSM and where/if necessary, determine a remedial strategy to reduce, remove or otherwise control any risk within the site to key receptors.

In order to progress the assessment in line with best practice guidance and to provide further characterisation of the site and refinement of the PRA and CSM, it was recommended that an intrusive investigation and associated testing was to be undertaken to confirm the findings of the desk study report and to provide a robust risk assessment for the site and proposed redevelopment. As such, it was recommended that a geochemical and geotechnical investigation be carried out on the site to include analysis of soil and groundwater (if encountered) samples for the range of potential contaminants identified within the desk study. A period of ground gas monitoring and associated ground gas risk assessment was also recommended.

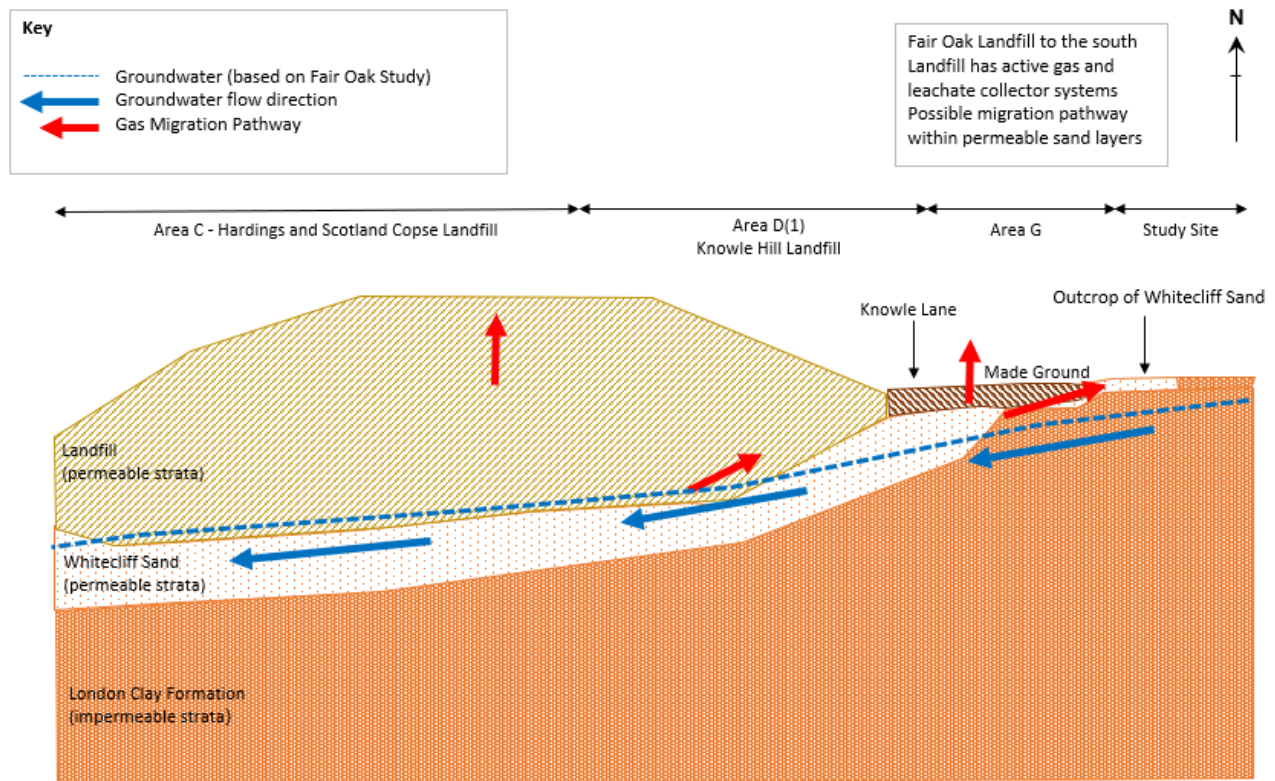
3.1 Ground Gas and Vapour Summary

The desk study identified the potential for ground gases and vapours associated with four nearby former landfill sites located to the south and west of the site. These landfill sites are considered to represent a potential source of ground gas due to the types of wastes that were permitted and deposited within these offsite landfills.

There is active landfill gas collection and leachate management at Fair Oak Landfill site located immediately to the south of the site. There are gas and groundwater monitoring boreholes located around the perimeter of the landfill site, including along the northern boundary, the boundary of the landfill closest to the subject site. The boreholes are understood to be monitored routinely for the presence of landfill gases and the results are reported to the Environment Agency in line with the landfill sites Environmental Permit. It is understood that there are no gas collection systems in place within the other three former landfill sites identified in the vicinity of the site, Knowle Lane (c.77m southwest), Knowle Hill Lane (c.107m west), and Hardings and Scotland Copse (c.184m west).

The anticipated geology underlying the site comprises no superficial deposits, but bedrock geology primarily of the London Clay Formation with an outcrop of Whitecliff Sand Formation running across the central western portion of the site. The underlying London Clay bedrock geology is primarily formed of impermeable clay layers and as such is unlikely to represent a plausible migration pathway for ground gases. However, the outcrop of Whitecliff Sand strata forms a roughly horizontally bedded formation which is likely to contain permeable layers that could represent a plausible lateral migration pathway. Lateral permeability in the Whitecliff Sand strata is likely to be substantially greater than vertical permeability.

The four nearby former landfills sites are assumed to be located within the Whitecliff Sand Formation. In addition, the Fair Oak Landfill study undertaken by Card on behalf of Eastleigh Borough Council in April 2012, identified a possible preferential pathway in Area G (adjacent to the southwest of the site) running south-north towards the subject site potentially influenced by the geological change from the Whitecliff Sand to the London Clay. Therefore, as the Whitecliff Sand is shown on geological mapping to outcrop on part of the subject site, some form of plausible gas migration pathway from the landfills to the subject site should be assumed as being likely to be present (the intrusive investigation looked to target this potential outcrop). A conceptual site model for ground gas in the vicinity of the subject site and adjacent Fair Oak Landfill site is in Cross Section 1 presented below:



Cross Section 1 – Conceptual Site Model – Ground Gas

Geo-Environmental is aware of development related works on the northern portion of Area G to the west and south west of the subject site. These works are understood to have comprised the stripping of overburden soils from a former sand pit, winning of additional sand (Whitecliff Sand) and subsequent backfilling with the stripped overburden and imported soils. The backfill was understood to comprise clay rich soils. It is anticipated that the full depth of Whitecliff Sand was not won, but possibly excavated to a practicable cut-off defined by encountered groundwater levels. The excavation of sand strata and backfilling with clay rich materials may, to some degree, serve to isolate the remnant Whitecliff Sand Member below the subject site from the chain of landfills downgradient to the south and west.

Ground gas monitoring was recommended to assess whether landfill gases are migrating to the site from the nearby former landfills. It was recommended that 'spot' monitoring was undertaken in order to appropriately assess the risks from ground gases and to target a worst case scenario, so as to be in line with current good practice.



4.0 GROUND INVESTIGATION

4.1 Scope of Works

The scope of the works undertaken at the site to date comprised:

- Attendance of a specialist surveyor to undertake a buried utilities clearance survey of the proposed exploratory hole locations using radio-detection and ground penetrating radar techniques. The survey included capture of co-ordinates and levels of exploratory holes using GPS surveying where possible. It should be noted that it was not possible to obtain levels from WS05 and WS11, due to the GPS being unable to lock onto their positions.
- Construction of 12No. dynamic sampler boreholes (WS01-WS12) to depths of up to 5.00m bgl.
- Installation of 12No. groundwater and gas monitoring wells to depths of between 3.00 and 5.00m bgl
- Return winter groundwater monitoring on a monthly basis between December 2022 and April 2023.
- Return spot gas monitoring on six occasions between December 2022 and March 2023.
- Additional return spot gas and groundwater monitoring on six occasions between June and August 2023 at roughly fortnightly intervals.
- Geochemical laboratory testing for Total Organic Carbon in recovered soil samples.

4.2 Investigation Strategy

The positioning of exploratory holes was determined on site to provide general coverage and to target specific areas whilst working within access restrictions associated with current site uses. Table 4.1 sets out the investigation strategy adopted.

Area of Concern	Investigation	Positions
General ground conditions	Exploratory holes located across the site, coupled with sampling and laboratory analysis.	All
General gassing regime and groundwater levels across site	Spot monitoring within wells located across the site.	All
Adjacent landfill to the south of the site	Spot monitoring within wells located in the south of the site.	WS10, WS11, WS12
Geological variation in underlying strata	Spot monitoring within wells located in the central portion of the site, where geological variation mapped.	WS03, WS04, WS06

Table 4.1 Summary of the Investigation Strategy

Soil samples were collected and placed into tubs and cool boxes on site for transit to the office, where they were stored under chilled conditions (<4°C) prior to final transportation in cool boxes to the laboratory by their in-house courier. The total organic carbon testing was undertaken by UKAS accredited laboratories (where appropriate). Samples were stored in temperature controlled conditions from sampling until receipt at the laboratory from which time sample preparation and storage was determined by testing requirements and in line with laboratory's protocols.



5.0 ENCOUNTERED CONDITIONS

A factual record of the conditions encountered during the physical preliminary investigation of the site is presented in the following sections.

For further details of the ground conditions, reference should be made to the exploratory hole logs and in situ testing presented in Appendix B, geochemical testing results presented in Appendix C, and groundwater and gas monitoring results presented in in Appendix D.

The physical ground investigation works were undertaken on 15th and 16th December 2022.

Unless stated otherwise, all depths are reported as metres below ground level (m bgl).

5.1 Soils

With reference to British Geological Survey (BGS) mapping the geology of the site was anticipated to comprise a thickness of Topsoil over silts, sands and clays of the London Clay Formation with sands of the Whitecliff Sand Member anticipated to be present in a limited portion across the centre of the site.

The ground conditions encountered within the exploratory holes undertaken were broadly consistent with those anticipated, i.e. a thickness of Topsoil overlying London Clay Formation, the Whitecliff Sand Member was not encountered within the exploratory hole positions undertaken, despite targeting of positions within the central portion of the site where this was anticipated to be present. A generalised summary of the encountered shallow ground conditions within investigation positions is presented in Table 5.1.

Top (m bgl)	Base (m bgl)	Geology	Positions
0.00	0.25 - 0.30	TOPSOIL: Grass over dark brown slightly sandy CLAY with frequent roots and rootlets.	All
0.25 - 0.30	5.00+	LONDON CLAY FORMATION: Soft to stiff orange and grey mottled CLAY with varying proportions of sand; Stiff to very stiff dark grey CLAY with varying proportions of sand; Soft to firm orange brown CLAY with varying proportions of sand and occasional rootlets; Orange and grey fine SAND with varying proportions of clay and silt.	All

Table 5.1 Summary of Ground Conditions

The exploratory hole logs are presented within Appendix B and the exploratory hole location plan is presented in Figure 2.

5.2 Groundwater

During the intrusive investigation works undertaken groundwater was encountered within a number of the investigation locations, details of which are provided in Table 5.2 below:

Location	Depth to water (m bgl)	Depth to water (m AOD)
WS01	Struck at 3.00m	44.23
WS02	Struck at 3.80m	46.56
WS03	Struck at 3.00m	51.80
WS08	Struck at 4.00m	50.77
WS11	Struck at 2.00m	Unable to obtain ground level

Table 5.2 Water strike during investigation works (December 2023)



Groundwater monitoring wells were installed within all locations, WS01-WS12 to a depth of between 3.00m and 5.00m bgl. Seven initial groundwater monitoring rounds were completed between December 2022 and April 2023, with further six monitoring rounds completed between June and August 2023 and the results of the groundwater monitoring are summarised in Tables 5.3 to 5.6 below.

Location	Groundwater depth (m bgl)									
	19/12/22*	09/01/23*	24/01/23*	08/02/23		21/02/23		06/03/23		11/04/23*
				Pre	Post	Pre	Post	Pre	Post	
WS01	0.50	0.45	0.58	0.73	0.83	0.95	1.07	1.03	-	0.89
WS02	0.62	0.36	0.14	0.14	0.39	0.40	0.65	0.49	0.80	0.72
WS03	0.60	0.18	0.36	0.82	0.89	1.23	-	1.55	-	0.48
WS04	0.60	0.30	0.27	1.00	-	0.68	2.51	1.48	-	0.73
WS05	0.13	0.16	0.38	0.58	1.87	1.20	-	0.70	3.91	0.24
WS06	0.14	0.14	0.10	0.85	2.68	0.70	1.29	1.46	-	0.28
WS07	0.22	0.18	0.35	0.62	0.68	0.36	1.01	0.77	2.66	0.25
WS08	0.14	0.14	At surface	0.00	0.53	1.01	-	0.80	1.66	0.66
WS09	0.66	0.25	0.24	0.61	2.71	0.67	3.09	0.64	4.15	0.40
WS10	0.21	At surface	At surface	0.01	0.15	0.02	0.05	0.06	0.48	0.42
WS11	0.46	0.41	0.39	0.42	2.54	0.76	3.68	0.76	4.12	0.79
WS12	0.05	0.28	0.34	0.46	2.02	0.53	3.02	0.44	3.63	0.28

*bailing of the monitoring wells was not undertaken on these visits

Table 5.3 Summary of initial groundwater depth monitoring results as m bgl (including pre- and post- bailing)

Location	Groundwater depth (m bgl)							
	16/06/23		23/06/23		10/07/23*	21/07/23*	04/08/23*	24/08/23*
	Pre	Post	Pre	Post				
WS01	1.31	-	1.45	-	1.84	1.92	2.08	2.14
WS02	1.03	-	1.01	-	1.18	1.14	1.14	1.05
WS03	1.95	-	2.13	-	2.41	2.42	2.59	2.59
WS04	2.04	-	1.13	-	1.53	2.30	2.32	2.32
WS05	1.13	-	1.21	-	1.45	1.57	1.64	1.75
WS06	1.71	-	1.83	-	2.10	2.14	1.98	1.86
WS07	1.04	-	1.11	-	1.32	1.42	1.56	1.46
WS08	1.28	-	1.36	-	1.57	1.67	1.32	1.04
WS09	1.36	-	1.46	-	1.81	1.87	1.94	2.10
WS10	0.51	0.87	0.71	0.88	1.04	1.06	0.63	0.54
WS11	0.84	3.96	0.92	4.01	1.10	1.07	0.98	0.90
WS12	0.97	3.86	1.07	-	1.24	1.32	1.36	1.37

*bailing of the monitoring wells was not undertaken on these visits

Table 5.4 Summary of further groundwater depth monitoring results as m bgl (including pre- and post- bailing)



Location	Groundwater depth (m AOD)									
	19/12/22*	09/01/23*	24/01/23*	08/02/23		21/02/23		06/03/23		11/04/23*
				Pre	Post	Pre	Post	Pre	Post	
WS01	46.73	46.78	46.65	46.50	46.40	46.28	46.16	46.20	-	46.34
WS02	49.74	50.00	50.22	50.22	49.97	49.96	49.71	49.87	49.56	49.64
WS03	54.20	54.62	54.44	53.98	53.91	53.57	-	53.25	-	54.32
WS04	42.24	42.54	42.57	41.84	-	42.16	40.33	41.36	-	42.11
WS05	Unable to obtain ground level with GPS									
WS06	44.91	44.91	44.95	44.20	42.37	44.35	43.76	43.59	-	44.77
WS07	49.69	49.73	49.56	49.29	49.23	49.55	48.90	49.14	47.25	49.66
WS08	54.63	54.63	54.77	54.77	54.24	53.76	-	53.97	53.11	54.11
WS09	56.03	56.44	56.45	56.08	53.98	56.02	53.60	56.05	52.54	56.29
WS10	57.87	58.08	58.08	58.07	57.93	58.06	58.03	58.02	57.60	57.66
WS11	Unable to obtain ground level with GPS									
WS12	59.49	59.26	59.20	59.08	57.52	59.01	56.52	59.10	55.91	59.26

*bailing of the monitoring wells was not undertaken on these visits

Table 5.5 Summary of initial groundwater depth monitoring results as m AOD (including pre- and post- bailing)

Location	Groundwater depth (m bgl)							
	16/06/23		23/06/23		10/07/23*	21/07/23*	04/08/23*	24/08/23*
	Pre	Post	Pre	Post				
WS01	45.924	-	45.784	-	45.394	45.314	45.154	45.094
WS02	49.339	-	49.359	-	49.189	49.229	49.229	49.319
WS03	52.856	-	52.676	-	52.396	52.389	52.216	52.216
WS04	40.805	-	41.715	-	41.315	40.545	40.525	40.525
WS05	Unable to obtain ground level with GPS							
WS06	43.348	-	43.228	-	42.958	42.918	43.078	43.198
WS07	48.874	-	48.804	-	48.594	48.494	48.354	48.454
WS08	53.491	-	53.411	-	53.201	53.101	53.451	53.731
WS09	55.339	-	55.239	-	54.889	54.829	54.759	54.599
WS10	57.576	57.216	57.376	57.206	57.046	57.026	57.456	57.546
WS11	Unable to obtain ground level with GPS							
WS12	58.573	55.683	58.473	-	58.303	58.223	58.183	58.173

*bailing of the monitoring wells was not undertaken on these visits

Table 5.6 Summary of further groundwater depth monitoring results as m AOD (including pre- and post- bailing)

It was not possible to obtain ground levels via GPS for WS05 and WS11 due to tree cover disrupting the GPS signal.

It is possible that groundwater could be present at differing depths over time, e.g. during or following prolonged wet periods, or as a results of seasonal variations. It must be noted that the presence of groundwater in excavations could influence stability and constructability of foundations, services and the like.

It should also be noted that changes in groundwater levels do occur for a number of reasons including seasonal effects and variations in drainage. Such fluctuations may only be recorded by the measurement of the groundwater level within a series of standpipes or piezometers installed within appropriate response zones.

5.3 Obstructions

Boreholes WS03, WS05, WS08 and WS10, experienced slumping within the encountered clays during construction which meant that the monitoring wells could not be installed to the full 5.00m depth proposed. As such monitoring well were installed to depths of between 3.00m and 5.00m bgl across the site.

Overhead electrical cables were located in the south-eastern portion of the site running in a northeast to southwest



direction. No boreholes were located under or within 15m of these cables.

No other obstructions man made or natural were encountered during the intrusive investigation works, although the presence of obstructions elsewhere on site cannot be completely ruled out.

5.4 Ground Gases and Vapours

Initial return 'spot' ground gas and groundwater monitoring has been undertaken on 7No. occasions, on 19th December 2022, 9th January, 24th January, 8th February, 21st February, 6th March 2023 and 11th March 2023 as part of the investigation, within wells installed within dynamic sampler boreholes WS01-WS12. Due to the depth of groundwater encountered during the initial gas monitoring visits and the need to bail the wells prior to gas monitoring, additional further ground gas and groundwater monitoring was undertaken during drier months. This further ground gas and groundwater monitoring was undertaken on 6No. occasions on 16th June, 23rd June, 10th July, 21st July, 4th August and 24th August 2023.

The spot monitoring undertaken, for both the initial and the further monitoring, has detected methane in the range of 0.0% to 5.4%, carbon dioxide detected in the range of 0.0% to 7.2% and oxygen in the range 2.1% to 22.3%. Positive borehole flow rates of between 0.0l/hr and 6.4l/hr were recorded during the monitoring, with positive borehole flows only recorded in a selection of wells over the monitoring period (WS01, WS02, WS04, WS05, WS07, WS08, WS10), and negative flow rates of -2.5l/hr, -0.4l/hr and -1.1l/hr were recorded within WS10 on 6th March, 16th June and 4th August 2023. VOCs were recorded up to 14.3ppm during the monitoring and atmospheric pressure was recorded in the range of 992mb to 1032mb, including periods of both falling and rising pressure, during the visits undertaken to date.

The implications of the gas monitoring data are considered in Section 6.0 of this report.



6.0 ENVIRONMENTAL CONSIDERATIONS

A Generic Quantitative Risk Assessment (GQRA) has been undertaken incorporating the results of the standalone desk study and Geo-Environmental ground investigation, the findings of which are presented in the following sections.

Site workers involved in the preparation and construction of the development have not been considered further in this assessment as the Principal Contractor is duty bound under the current CDM Regulations to undertake their own risk assessments with respect to their employees.

6.1 Outline Risk Assessment

Ground gas monitoring wells were installed across the site to target potential off-site sources and variations in anticipated site geology as well as to provide general site coverage to monitor the potential for any migrating ground gases onto the site from adjacent sources. Principal gases of concern are likely to include methane, carbon dioxide, oxygen and VOC together with parameters such as flow rate.

Soil samples were also collected from the site from the underlying natural soils and were submitted for analysis of Total Organic Carbon to aid with the ground gas risk assessment.

The intrusive investigation did not encounter conditions that required a revision of the preliminary risk assessment presented within the desk study for the site, although it should be noted that the Whitecliff Sand Member was not encountered as part of the investigation works undertaken to date.

6.2 Ground Gas/Vapour Monitoring

Twelve ground gas monitoring standpipes (WS01-WS12) were installed by Geo-Environmental on site to depths of up to 5.00m bgl. These locations were selected to provide general coverage of the site proposed for redevelopment, as well as to target the adjacent off-site landfill to the south of the site and the possible geological variation in the central western portion of the site.

Initial return 'spot' ground gas monitoring has been undertaken on 6No. occasions to date, on 19th December 2022, 9th January, 24th January, 8th February, 21st February, and 6th March 2023 as part of the investigation, within wells installed within dynamic sampler boreholes WS01-WS12. A seventh monitoring visit was undertaken following the 6No visits for ground gases, however the last visit on 11th April 2023 only monitored for groundwater levels so as to cover the winter monitoring period.

Due to the presence of shallow groundwater within a number of the installed monitoring wells further additional gas monitoring was undertaken during drier months. This further ground gas monitoring was undertaken on 6No. occasions on 16th June, 23rd June, 10th July, 21st July, 4th August and 24th August 2023.

The spot monitoring undertaken, for both the initial and the further monitoring, has detected methane in the range of 0.0% to 5.4%, carbon dioxide detected in the range of 0.0% to 7.2% and oxygen in the range 2.1% to 22.3%. Positive borehole flow rates of between 0.0l/hr and 6.4l/hr were recorded during the monitoring, with positive borehole flows only recorded in a selection of wells over the monitoring period (WS01, WS02, WS04, WS05, WS07, WS08, WS10), and negative flow rates of -2.5l/hr, -0.4l/hr and -1.1l/hr were recorded within WS10 on 6th March, 16th June and 4th August 2023. VOCs were recorded up to 14.3ppm during the monitoring and atmospheric pressure was recorded in the range of 992mb to 1032mb, including periods of both falling and rising pressure, during the visits undertaken to date.



6.3 Ground Gas Risk Assessment

A Tier 1 Ground Gas Risk Assessment (GGRA) incorporating the results of the desk study and ground investigation was undertaken, the findings of which are presented in the following sections.

Recommendations on acceptable gas concentrations recorded in the ground beneath or adjacent to buildings are given in a variety of publications. For the purpose of this assessment, the results have been evaluated in terms of British Standard BS8485, '*Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings*' (2019); CIRIA C665, '*Assessing risks posed by hazardous ground gases to buildings*' (2007) and NHBC report 10627-R01(04) '*Guidance on evaluation of development proposals where methane and carbon dioxide are present*' (2007).

6.3.1 Ground Gas Sources

The desk study identified the potential for ground gases and vapours associated with four nearby former landfill sites to the south and west of the site. These landfill sites are considered to represent a potential source of ground gas due to the types of wastes that were permitted and deposited.

Fair Oak Landfill site does not lie immediately adjacent to the south of the subject site. An area of land comprising an open storage area in the west and woodland with a pond in the east, lies between the subject site and Fair Oak Landfill and is roughly 50m in width. In addition to this c.50m offset from Fair Oak Landfill a stream/ditch also runs along the southern boundary of the subject site.

The four nearby former landfill sites are assumed to be located within the Whitecliff Sand Formation. In addition, the Fair Oak Landfill study undertaken by Card on behalf of Eastleigh Borough Council in April 2012, identified a possible preferential pathway in Area G (adjacent to the southwest of the site) running south-north towards the subject site potentially influenced by the geological change from the Whitecliff Sand to the London Clay. However, during the intrusive investigation works undertaken on the subject site, no soils comprising the Whitecliff Sand were encountered. The soils underlying the site encountered to date comprised clays, sandy clays and clayey sands of the London Clay Formation.

There is active landfill gas collection and leachate management at Fair Oak Landfill site located to the south of the site. It is assumed that the gas engines would continue to operate whilst significant volumes of methane are generated within the relevant landfill cells. Under current conditions, it is assumed that the gas collection system within the landfill site boundary is working effectively, as indicated by the general absence of methane in the monitoring wells within the subject site.

It is possible that there could be a failure with the gas collector in the future or the gas collector system could be turned off as gas generated within the landfill reduces, and thus gas could migrate outside of the landfill site boundary associated with the this. However, this migration is unlikely to be uniform but subject to various additional factors, which would influence the likelihood of migration of gases onto the subject site. Lateral migration at shallow depth would have to travel across the site immediately adjacent to the landfill and would then be intercepted by the shallow stream/ditch running along the southern boundary of the site and thus ground gas could ventilate to atmosphere prior to reaching the subject site. The migration of gases is likely to occur through more permeable strata, to date only soils of the London Clay Formation have been identified on the subject site, therefore gases are more likely to migrate through permeable soils of the Whitecliff Sand Member, which present more preferential pathway. Soils of the Whitecliff Sand are known to present to the south and west of Fair Oak Landfill and groundwater flow is also understood to run in a southern westerly direction. Therefore, gas flow is likely to following these preferential pathways and be in a south westerly direction and so not anticipated to be towards the subject site.

It should also be noted that ground gas generation potential and migration of gas from landfills tends to reduce over time, i.e. as the degradable matter is depleted and initial anaerobic conditions give way to more aerobic conditions.



Therefore, whilst it is possible that the gas extractor system could be switched off in due course, the gas generation and migration potential from the off-site landfill would also likely be reduced at such time as this may occur.

In addition, it should be noted that the majority of the subject site where residential development is proposed is located at a higher elevation than the adjacent landfill site, which would also further serve to reduce the potential risk from any ground gas migration through the London Clay Formation.

6.3.2 Total Organic Carbon

An assessment of TOC was undertaken on the soils recovered from the exploratory hole positions undertaken on site in order to provide a further assessment of the background/baseline potential for ground gases to be present on the subject site associated with the underlying geology, prior to consideration of potential external sources which. It should be noted that this is a conservative approach as 'waste' material have never been recorded as being present on the subject site. In order for materials to be designated as inert for waste disposal purposes, the material must demonstrate a Total Organic Carbon (TOC) content of <3%. TOC gives a conservative estimate of the amount of biodegradable material in soils or waste. It includes both readily available carbon that degrades relatively quickly and non-readily available carbon that will breakdown and degrade very slowly.

A selection of soils samples collected from across the subject site were sent for geochemical laboratory analysis for %TOC. The results identified concentrations of TOC across the site between 0.12% and 1.9%, with an average of 0.38%.

CL:AIRE RB17 and BS8485:2015 use TOC results to classify a site in terms of anticipated gas risk. For recently placed material a TOC of <1% indicates a classification of Characteristic Situation 1, <1.5% indicates Characteristic Situation 2, and <4% indicates Characteristic Situation 3.

The average recorded concentration of TOC and all except 1No. TOC results (WS01 at 4.10m bgl) on this site is <1% therefore the overall results indicate that the site is Characteristic Situation 1 based solely on TOC on the subject site itself.

However, it should also be noted that the guidance relates to the placement of fresh waste. The materials encountered and tested on site comprised naturally occurring soils, as no Made Ground was found to be present during the investigation works undertaken. The natural soil on site is of a considerable age, and as such the residual total organic content will be comprised of complex non-readily available carbon and thus more representative of very low concentration generation potential and diffusive flow conditions. However, an assessment of the TOC serves to provide a background assessment for the site for the potential for presence of ground gases ahead of taking account of any potential migration from external sources identified.

6.3.3 Natural Soils

The encountered geology underlying the site was found to comprise clays and sandy clays of the London Clay Formation. Geological mapping shows an outcrop of Whitecliff Sand Formation running across the central western portion of the site, this outcrop of Whitecliff Sand Formation was not encountered during the intrusive investigation works undertaken. The underlying London Clay bedrock geology encountered is primarily formed of impermeable clay layers and as such is unlikely to represent a plausible migration pathway for ground gases.

Natural soils with a high carbonate content, such as Chalk, or sedimentary rocks with small volumes of organic material, can represent a low production source of carbon dioxide, which does not represent a risk to development. Soils such as the London Clay Formation are sedimentary strata which were laid down in a shallow sea environment. They can contain small volumes of non-labile organic carbon, shell fragments, calcareous nodules (claystone) and pyrites. Labile organic carbon is the portion of soil organic carbon that can be readily decomposed by soil organisms.

The breakdown of sedimentary rocks in this way is a very slow process typically with a turnover of many thousands



of years. Thus, surface emissions of methane and carbon dioxide from such sources are negligible. It can cause high gas concentrations in monitoring wells that are not representative of the risk to buildings, even those including basements. Such conditions are widespread throughout the UK with no known incidents of carbon dioxide emissions into buildings from this natural process.

When boreholes are drilled into the soils it allows oxygen to be introduced and various chemical and biological processes take place locally, immediately around the well that can result in the generation of higher concentrations of methane and/or carbon dioxide in the wells than within the wider soil mass. The rate of gas generation and the volume produced is extremely small and high concentrations in a monitoring well do not necessarily indicate a risk to buildings.

6.3.4 Assessment of Gas Monitoring Data

Initial Gas Monitoring

An assessment of the gas flow rates recorded within the initial return monitoring (first 6 visits) and the maximum concentrations of recorded hazardous gas concentrations recorded for the site has been undertaken.

Groundwater, considered likely to be perched water, was noted to be very shallow on a number of the initial gas monitoring visits undertaken. The response zone of several wells was noted to be fully submerged during a number of visits, such that it was necessary to bail/purge (i.e. remove water) the monitoring wells prior to gas monitoring. Following bailing/purging the wells were then allowed to recover for a period of time (c.1hr) prior to undertaking the gas monitoring. However, within several of the wells even bailing did not sufficiently remove water from the response zone, with the water noting to recharge to shallow levels within a reasonable short space of time. The response zones of all of the installed monitoring wells was from 1.00m bgl to between 3.20m and 5.00m bgl. Table 6.1 below shows the wells where the response zone was fully submerged during monitoring (in red text) and also presents the water depth following bailing and recovery of each well location. It should be noted that bailing was not undertaken on the first 3No. monitoring visits.

Location	Depth to water (m bgl)								
	19/12/22	09/01/23	24/01/23	08/02/23		21/02/23		06/03/23	
				Pre	Post	Pre	Post	Pre	Post
WS01	0.50	0.45	0.58	0.73	0.83	0.95	1.07	1.03	-
WS02	0.62	0.36	0.14	0.14	0.39	0.40	0.65	0.49	0.80
WS03	0.60	0.18	0.36	0.82	0.89	1.23	-	1.55	-
WS04	0.60	0.30	0.27	0.46	1.00	1.23	-	1.48	-
WS05	0.13	0.16	0.38	0.58	1.87	0.68	2.51	0.70	3.91
WS06	0.14	0.14	0.10	0.85	2.68	1.20	-	1.46	-
WS07	0.22	0.18	0.35	0.62	0.68	0.70	1.29	0.77	2.66
WS08	0.14	0.14	Surface	Surface	0.53	0.36	1.01	0.80	1.66
WS09	0.66	0.25	0.24	0.61	2.71	0.67	3.09	0.64	4.15
WS10	0.21	Surface	Surface	0.01	0.15	0.02	0.05	0.06	0.48
WS11	0.46	0.41	0.39	0.42	2.54	0.76	3.68	0.76	4.12
WS12	0.05	0.28	0.34	0.46	2.02	0.53	3.02	0.44	3.63

Table 6.1 Summary of encountered water levels during initial monitoring within monitoring wells including pre and post bailing levels with submerged response zone indicated in red text

It can be seen that during the first three monitoring rounds all of the response zones within all of the monitoring wells were fully submerged. In addition, the response zones of both WS02 and WS10 were fully submerged on all monitoring occasions even following the bailing/recovery of these wells.

As such, the gas monitoring data collected should be treated with caution, as due to response zones being fully submerged and the need to bail water out of the wells prior to monitoring and associated recharge, the monitoring



data collected may not be wholly representative of the sites gassing regime should a lower water level be present seasonally.

Gas flow rates have been recorded on a number of different occasions during the initial gas monitoring rounds within a number of different monitoring wells. However, on all of the occasions when flow rates were recorded the response zone of the well was either noted to be fully submerged and/or was recorded following the recharge of the well after bailing of the fully submerged well. A summary of the recorded borehole flow rates is presented in Table 6.2 below.

Location	Borehole Flow Rate (l/hr)								
	19/12/22	09/01/23	24/01/23	08/02/23		21/02/23		06/03/23	
				Pre	Post	Pre	Post	Pre	Post
WS01	0	0	0	0	0	0	0.3	0	-
WS02	0	0	0	0	0.2	0	4.2	0.2	5.7
WS04	0.10	6.4	0	0	0	0	-	0	-
WS05	0	0	0	0.2	0	0	0.5	0	0.5
WS07	0	0	0	0	0	0	0	0	4.0
WS08	0	0	0	0	4.0	0	0	0	3.0
WS10	0	0	0	0	0.3	0	0	-2.5	5.1

Table 6.2 Summary of recorded borehole flow rates with submerged response zone indicated in red text

The sole source of gas in the headspace of a standpipe within a fully submerged response zone is gases dissolved in groundwater. As the gas partitions out of the groundwater to within the confined headspace, the gas flow rate will initially increase within the confined headspace. This initial spike in gas flow rate occurs within the confined headspace (sealed monitoring well) only. Over time this will equalise through diffusive migration along concentration gradients within the groundwater. The groundwater contained within the standpipe above the response zone will remain immobile during this period, and as such the equalisation will take place over an extended period of time. Within the soils beneath the site any gases will partition in and out of groundwater within the open soil structure and will form a diffusive continuum between the surface of the groundwater and the ground surface meaning that gas flow rates are not present within the soils. As such, it is considered that the recorded borehole flow rates where a submerged response zone has been recorded are not representative of the actual flow rate of gases present within the soils beneath the site.

Methane was recorded on three separate occasions during the initial monitoring undertaken, as a peak, with the recorded methane volume returning back to zero for the following time period recording(s), within WS05 at 90 seconds on 9th January 2023 (1.0%), within WS07 at 20 seconds on 9th January 2023 (5.4%) and again within WS05 at 120 seconds on 8th February 2023 (0.3%). Methane was not recorded on any other occasions during the initial monitoring undertaken.

WS05 was located in the north-eastern portion of the site significantly topographically upgradient from the nearby landfills and WS07 was located within the central portion of the site also topographically upgradient from the landfill sites. Both monitoring wells were installed within natural soils of the London Clay Formation, and the presence of organic matter was not noted to be present within either well.

In all instances where methane was recorded the response zones of the wells during the initial monitoring rounds the wells were noted to be fully submerged. Therefore, the recorded peak methane volumes are not considered representative and based on the fact that methane has not been recorded during any other monitoring rounds, methane is not considered to be a risk to the proposed development of the site for a proposed residential land use.

It can be seen that marginal volumes of carbon dioxide were recorded in all standpipes located across the site, during the initial monitoring period, with monitoring location WS02 marginally exceeding the 5% limiting concentration for Characteristic Situation 1 on a total of 3No. separate occasions, 9th January, 21st February and 6th March 2023, and WS08 marginally exceeding the 5% limiting concentration on 1No. occasion on 21st February 2023.



As with methane, in all instances when carbon dioxide was recorded above the 5% limiting concentration threshold the monitoring wells were noted to be fully submerged.

WS02 was located in the northwest of the site and WS08 was located in the southwest of the site. Assessment of the construction of the wells and the underlying ground conditions has shown that the response zones of both WS02 and WS08 were installed within the natural London Clay Formation. The presence of organic matter was not noted to be present within either well.

Looking at atmospheric pressure conditions over the initial monitoring period, atmospheric pressure appears to have been both rising and falling preceding and during the monitoring rounds undertaken. There does not appear to be any correlation between the recorded carbon dioxide concentrations and atmospheric pressures. It is considered that atmospheric pressure has not impacted the recorded concentrations of carbon dioxide.

Further Gas Monitoring

An assessment of the gas flow rates recorded within the further return monitoring and the maximum concentrations of recorded hazardous gas concentrations recorded for the site has been undertaken.

The further gas monitoring was undertaken between June and August 2023 during the summer months, when the presence of shallow groundwater/perched water following rainfall events was considered less likely to impact on monitoring. The presence of perched/shallow groundwater within response zones was only noted within WS10, WS11 and WS12. The response zone of WS10 was noted to be fully submerged on 4No. occasions and WS11 on 1No. occasion. The response zones of all of the installed monitoring wells was from 1.00m bgl to between 3.20m and 5.00m bgl. Table 6.3 below shows the wells where the response zone was fully submerged during monitoring (in red text) and also presents the water depth following bailing and recovery of each well location. It should be noted that bailing was not undertaken on the last 4No. monitoring visits.

Location	Groundwater depth (m bgl)							
	16/06/23		23/06/23		10/07/23	21/07/23	04/08/23	24/08/23
	Pre	Post	Pre	Post				
WS01	1.31	-	1.45	-	1.84	1.92	2.08	2.14
WS02	1.03	-	1.01	-	1.18	1.14	1.14	1.05
WS03	1.95	-	2.13	-	2.41	2.42	2.59	2.59
WS04	2.04	-	1.13	-	1.53	2.30	2.32	2.32
WS05	1.13	-	1.21	-	1.45	1.57	1.64	1.75
WS06	1.71	-	1.83	-	2.10	2.14	1.98	1.86
WS07	1.04	-	1.11	-	1.32	1.42	1.56	1.46
WS08	1.28	-	1.36	-	1.57	1.67	1.32	1.04
WS09	1.36	-	1.46	-	1.81	1.87	1.94	2.10
WS10	0.51	0.87	0.71	0.88	1.04	1.06	0.63	0.54
WS11	0.84	3.96	0.92	4.01	1.10	1.07	0.98	0.90
WS12	0.97	3.86	1.07	-	1.24	1.32	1.36	1.37

Table 6.3 Summary of encountered water levels from additional monitoring within monitoring wells including pre and post bailing levels with submerged response zone indicated in red text

Gas flow rates have been recorded on four occasions during the further gas monitoring rounds within three different monitoring wells (WS05, WS07, WS10). However, on two of the occasions when flow rates were recorded the response zone of the well was noted to be fully submerged. The other two occasions when gas flow rates were recorded, the flow rate recorded was 0.1l/hr. A summary of the recorded borehole flow rates from the additional monitoring is presented in Table 6.4 below.



Location	Borehole Flow Rate (l/hr)						
	16/06/23		23/06/23		10/07/23	21/07/23	04/08/23
	Pre	Post	Pre	Post			
WS05	0	-	0.1	-	0	0	0
WS07	0	-	0.1	-	0	0	0
WS10	-0.4	-1.8	0	0	0	0	-1.1

Table 6.4 Summary of recorded borehole flow rates from additional monitoring with submerged response zone indicated in red text

It is considered that the recorded borehole flow rates where a submerged response zone has been recorded are not representative of the actual flow rate of gases present within the soils beneath the site. Therefore, the highest recorded gas flow rate is considered to be 0.1l/hr.

The presence of methane was not recorded within any of the monitoring wells during the further gas monitoring undertaken.

It can be seen that marginal volumes of carbon dioxide were recorded in all standpipes located across the site, during the further monitoring period, with monitoring location WS08 marginally exceeding the 5% limiting concentration for Characteristic Situation 1 on 1No. occasion on 16th June 2023.

WS08 was located in the southwest of the site adjacent to the residential development at Kingsmill Drive. Assessment of the construction of the well and the underlying ground conditions has shown that the response zones of WS08 were installed within the natural London Clay Formation. The presence of organic matter was not noted to be present within this well.

Looking at atmospheric pressure conditions over the further monitoring period, atmospheric pressure appears to have been both rising and falling preceding and during the monitoring rounds undertaken. There does not appear to be any correlation between the recorded carbon dioxide concentrations and atmospheric pressures. It is considered that atmospheric pressure has not impacted the recorded concentrations of carbon dioxide.

Summary of Gas Monitoring

Where the monitoring wells were fully submerged during the monitoring round, these monitoring results have not been considered as fully representative of the sites gassing regime, and therefore not relied upon within the gas risk assessment. A total of 12No. gas monitoring rounds were completed during both the initial and the further gas monitoring and it is considered that during both these phases of monitoring sufficient data was collected where monitoring wells were not fully submerged such to allow representative gas monitoring data to be collected and a sufficient gas risk assessment to be undertaken.

The majority of the marginal flow rates recorded within the boreholes were only recorded when the monitoring wells were either fully submerged or following the bailing of the monitoring well. As such, these recorded flow rates are considered to be caused by the piston effect of groundwater within the monitoring wells and draw of groundwater levels during bailing and recharge and are not considered representative of background conditions at the site. Therefore, where borehole flow rates have been recorded in fully submerged wells or recharging wells, these recorded flow rates have not been used to calculate gas screening values for the site, as they are considered as unrepresentative. This could lead to misrepresentative screening values and the site being incorrectly classified.

A borehole flow rate of 0.1l/hr was recorded within WS05 and WS07 on 23rd June 2023. Neither of these wells were submerged during this monitoring round and therefore this borehole flow rate is considered to be representative and therefore this value has been used to calculate gas screening values for the site.

During the initial gas monitoring undertaken between December 2022 and March 2023 the presence of methane was recorded only as a peak, with the recorded methane volume returning back to zero for the following time period



recording(s), on three separate occasions, all when the wells were full submerged. The presence of methane was not recorded on any other monitoring occasions. Therefore, a gas screening value has not be calculated for methane.

A gas screening value (GSV) has been calculated for carbon dioxide in accordance with the recommendations contained with C665. To calculate a GSV for the site, the worst case, i.e. the highest concentration value, of recorded carbon dioxide recorded when the monitoring well was not fully submerged, has been used. A value of 6.5% v/v has been used for carbon dioxide. The highest representative borehole flow rates recorded were 0.1l/hr within WS05 and WS07. CIRIA C665 recommends that when no gas flow rates have been recorded that the gas monitoring instruments limit of detection (0.1l/hr) is used to calculate the GSV so as to be representative of a worst-case scenario. In this case the highest recorded flow rate is the same value as the limit of detection of the instrument, 0.1l/hr.

Using these worst-case values, a GSV of 0.007l/hr has been calculated for carbon dioxide for the site. This would classify the site as representative of Characteristic Situation 1 (BS and CIRIA). However, the limiting threshold concentration for carbon dioxide for a Characteristic Situation 1 has been exceeded on several occasions. Therefore, consideration needs to be given to classification of the site as Characteristic Situation 2 gassing regime.

Monitoring wells WS10, WS11 and WS12 were located along the southern boundary of the site so as to target any potentially migrating gases from Fair Oak Landfill site c.50m to the south of the site. The presence of methane was not identified within any of these wells and carbon dioxide was identified at a maximum concentration of 2.6%. This coupled within the lack of identified representative significant flow rate and the cohesive predominantly impermeable underlying ground conditions across the site would suggest that gases are not migrating onto the site from the identified offsite former landfills.

Assessment of the construction of the wells and the underlying ground conditions has shown that all of the response zones of the installed wells were solely within the natural soils beneath the site. Description of these natural materials has not noted the presence of organic materials (with testing showing organic content of soils to be <3%) or other materials that may give rise to the generation of ground gas. Assessment of likely sources of ground gas has not identified any on-site sources for the significant generation of bulk gases.

As such, it is considered that the elevated concentrations of carbon dioxide recorded are being produced via biological respiration within the soils beneath the site and as such are from a low risk sources.

It is not mandatory to automatically increase the classification of a site based on elevated gas concentrations alone.

It is considered that carbon dioxide recorded is primarily trapped within the soil pore spaces beneath the site. The construction of the monitoring wells could have led to the creation of anaerobic conditions within the monitoring wells leading to an increase in carbon dioxide on a very small scale, within the monitoring well not the soil mass, producing the elevated concentrations recorded. The negligible flow rates suggest that any migration of gas beneath the site is via diffusive flow. However, the majority of identified gas is likely to remain trapped in the soil pores or sorbed to soil particles and is therefore considered a low risk to buildings or proposed buildings on the site. Therefore, it is not considered necessary to increase the classification of the site's gassing regime based on the single representative exceedance of the 5% threshold for carbon dioxide.

It is considered, based on the above assessment, that gases are not migrating from the nearby former landfill sites, that only diffusive flow conditions are present beneath the site, and that only low-risk sources of bulk gases are actually present on the subject site, due to the biological respiration within the underlying natural geology (London Clay Formation). In addition, it is also considered that should the active gas collector system present on Fair Oak Landfill site fail or be switched off, any gas would migrate via more preferential pathways based on underlying permeable soils, groundwater flow direction and topography in a south westerly direction away from the subject site.



6.4 Ground Gases vs. End Users

Based on the gas risk assessment undertaken by Geo-Environmental the site's gassing regime, based on both hazardous gas flow and limiting concentrations and the above risk assessment, is classified as Characteristic Situation 1 (CIRIA and BS) and Green (NHBC), for which gas protection measures would not be required.

6.5 Ground Gases vs. Soft Landscaping

Only low risk sources of bulk permanent gases have been identified on the site. Low concentrations of methane and carbon dioxide have been identified beneath the site. However, these gases are considered to be present and contained within soil pore spaces. It is considered that ground gas is migrating via diffusive flow only beneath the site. In addition, no visible evidence or harm to plants was observed during any of the site visits undertaken as part of the investigation on this site.

As such, it is considered that no specific action is warranted in respect of soft landscaping.

6.6 Ground Gases vs. Adjacent Land Users

No significant sources of ground gases or vapours have been identified on site therefore the potential for land gases off site is considered to be higher than those on the subject site. As such, it is considered that specific measures with respect to the adjacent land users would not be required as part of the proposed development on the subject site. However, in line with best practice, measures should be undertaken on site to ensure that the proposed development does not create potential migration pathways in relation to adjacent land users.



7.0 DISCOVERY STRATEGY

Whilst an intrusive investigation has been undertaken on the site, it remains possible that unexpected ground and/or groundwater conditions may be encountered during the process of construction.

Should previously undiscovered contamination or unforeseen ground conditions be encountered during construction by the ground workers, this must be reported to the Site Manager immediately in order that the Consultant is notified.

Where deemed necessary, the Consultant shall attend the site to inspect the discovery and provide recommendations on the further actions required, if any. Where necessary the regulatory authority shall be informed. Post any additional investigation or laboratory testing the results and any proposed remedial measures shall be reported to the regulatory authority or other appropriate organisation for consent, before proceeding or implementing the remedial measures.

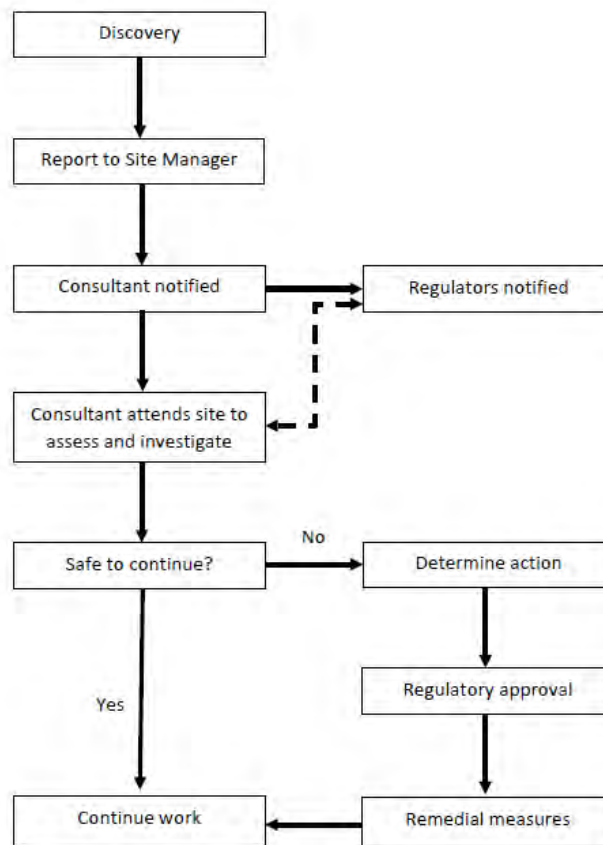
A copy of the discovery strategy must be lodged on site, and provisions made to ensure that all workers are made aware of their responsibility to observe, report, and act on any potentially suspicious, abnormal, unforeseen or contaminated ground and/or groundwater conditions they may encounter.

Depending on the type, nature and extent of any such 'discovery', it may be necessary to halt works in that location until such time as the assessment has been completed. This shall be reviewed on a 'discovery' specific basis and in conjunction with consultation with the client, other technical personnel and/or regulatory/approval organisations.

As a general guide, where such unexpected conditions are encountered the following approach is required as a minimum:

- All discoveries are to be reported to the Site Manager immediately and works at that location are to halt until further notice;
- The Site Manager is to report any such discoveries to the Client and the Consultant;
- Following notification from the Site Manager, the Consultant shall discuss the discovery with the Local Authority and/or other relevant parties and if considered necessary, arrange to meet on site to view the discovery;
- The Consultant shall attend the site to record the location, extent and nature of the discovery and implement an appropriate sampling and analysis regime, taking due account of the type and nature of the discovery, known and probable land uses in that area of the site;
- Where remedial action is required, regulatory consultation and approval will be sought;
- A record will be produced by the Consultant and held on site (with copies held by the Consultant, Client and Local Authority/other relevant organisation), detailing the discovery, assessment works undertaken, findings thereof, confirmation either of no action required or detailing the remedial action taken and validation thereof.

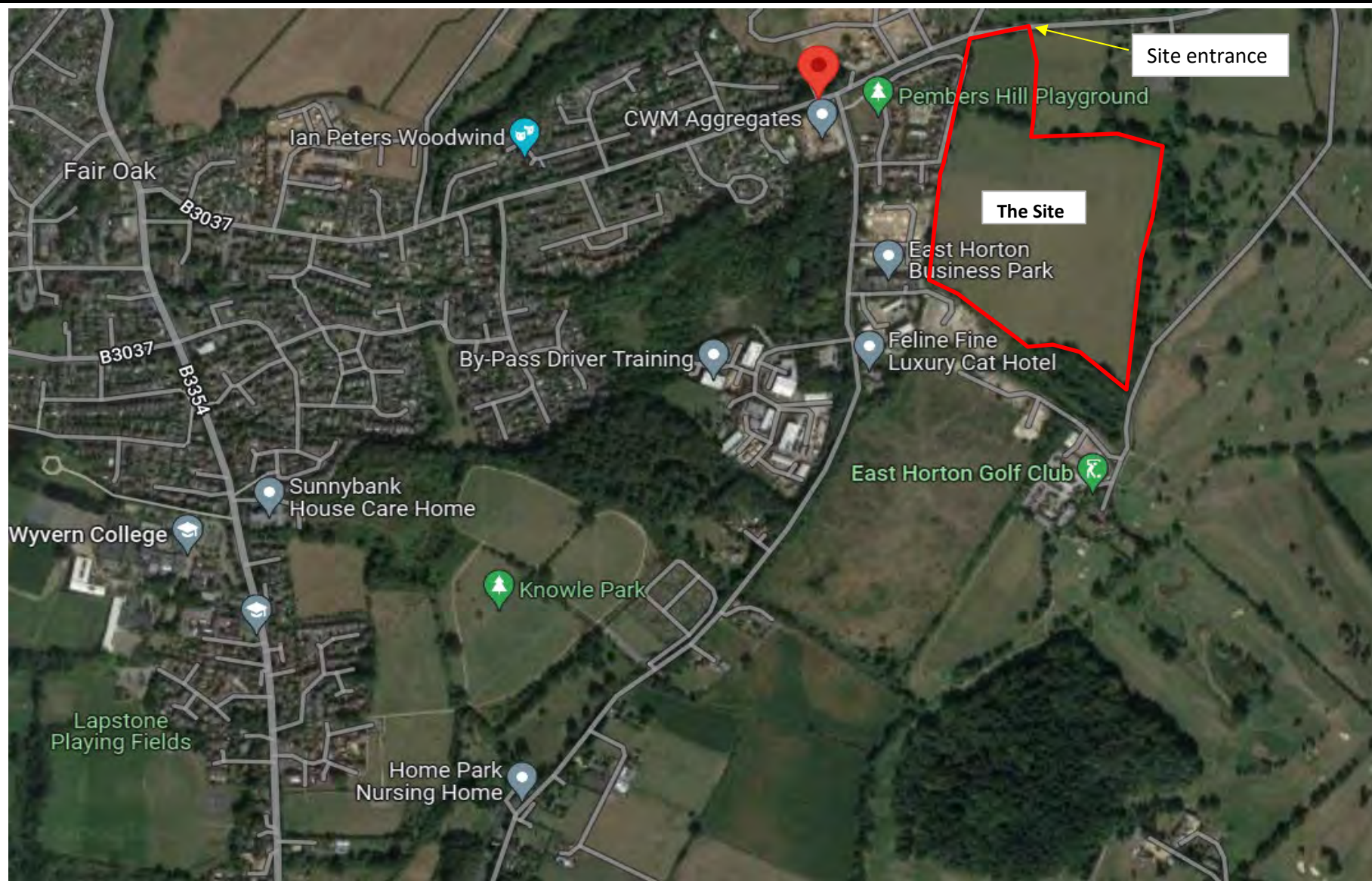
The process is summarised overleaf:

**Discovery Strategy Process**



FIGURES





Project:	Land South of Mortimers Lane, Fair Oak			Title	Site Location Plan	
Client:	Bloor Homes			Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net	 Geo-Environmental	
Ref No:	GE21215	Revision:	0			
Drawn:	FG	Date:	22/09/2022			
Figure:	1	Scale:	Not To Scale			



Project:	Land South of Mortimers Lane			Title	Investigation Locations (Ground Gas)		
Client:	Bloor Homes			Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net  Geo-Environmental			
Ref No:	GE21215	Revision:	0				
Drawn:	FG	Date:	20/12/2022				
Figure:	2	Scale:	Not To Scale				

APPENDIX A

Site Photographs





Plate 1 View north from central portion of the site



Plate 2 View east across the site



Plate 3 View south west towards southern western corner of the site



Plate 4 View south with Fair Oak Landfill site beyond



Plate 5 View east across the site



Plate 6 View south east across the site



Plate 7 View south along western site boundary



Plate 8 View south east across southern field



Plate 9 View north along western site boundary



Plate 10 View south to south western corner



Plate 11 View south east of southern portion of the site



Plate 12 View east across the southern field



Plate 13 View north east across the southern field



Plate 14 View north across southern field



Plate 15 View east across southern field



Plate 16 View of Fair Oak Landfill site and gas extraction system



Plate 17 View of the offsite Fair Oak Landfill with gas extraction system



Plate 18 View west along the southern site boundary



Plate 19 View east along the southern site boundary



Plate 20 View south east towards south eastern corner



Plate 21 View east across the southern field



Plate 22 View north across the southern field



Plate 23 View west across the northern field



Plate 24 View south west from the access track



Plate 25 View south along the current farm/access track



Plate 26 View south west across the southern field



Plate 27 View wester across the southern field

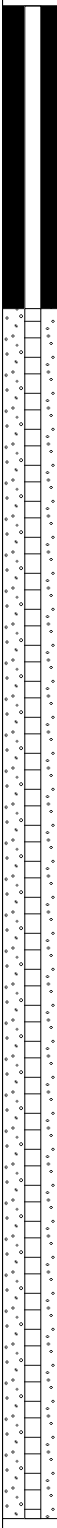
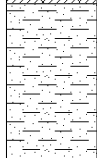
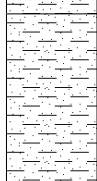
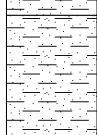
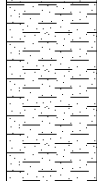
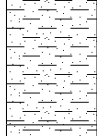


Plate 28 View east along the tree line located to the south of the northern field

APPENDIX B

Exploratory Hole Logs & In-situ Test Results



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS01 Sheet 1 of 1			
Project Name: Land South of Mortimers Lane				Project No. GE21215		Co-ords: 450549E - 118583N		Hole Type WLS			
Location: Fair Oak				Level: 47.23		Scale 1:25					
Client: Bloor Homes Southern				Dates: 16/12/2022		Logged By FG					
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.25			0.25	46.98		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1		
										Soft to firm orange and grey mottled sandy CLAY with frequent roots and rootlets LONDON CLAY	
										Firm orange and grey mottled sandy CLAY with frequent rootlets LONDON CLAY	
		1.00	PP	1.0kg/cm2	1.10	46.13		Soft to firm orange and grey mottled very sandy CLAY. Sand is fine LONDON CLAY			
											2
									Firm to stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
		2.00	PP	2.1kg/cm2	2.10	45.13		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY			
		2.50	PP	2.5kg/cm2							
											3
									Stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY		
3.00	PP	2.0kg/cm2	3.10	44.13							
3.50	PP	2.5kg/cm2									
									4		
4.00	PP	1.5kg/cm2									
4.10	ES										
									5		
4.50	PP	2.7kg/cm2									
5.00	PP	2.1kg/cm2	5.00	42.23			End of Borehole at 5.00m				

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			3.00	3.00	





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS02

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450542E - 118633N

Hole Type
WLS

Location: Fair Oak

Level: 50.37

Scale
1:25

Client: Bloor Homes Southern

Dates: 16/12/2022

Logged By
FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	50.12		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1
		0.50	PP	1.3kg/cm2				Firm orange and grey mottled CLAY with frequent roots and rootlets LONDON CLAY	
					0.80	49.57			
		1.00	PP	1.0kg/cm2				Firm orange and grey mottled CLAY with occasional rootlets LONDON CLAY	2
					1.30	49.07			
		1.50	PP	1.3kg/cm2				Firm orange and grey mottled CLAY with rare flint gravel LONDON CLAY	
		1.60	ES						3
		2.00	PP	1.5kg/cm2					
					2.10	48.27		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	
		2.50	PP	2.5kg/cm2					4
					3.00				
					3.30	47.07		Dark grey slightly clayey silty fine SAND LONDON CLAY	
		4.00	PP	1.8kg/cm2				Stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	5
					3.90	46.47			
		4.50	PP	2.4kg/cm2					
		5.00	PP	2.5kg/cm2					
					5.00	45.37		End of Borehole at 5.00m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		
			3.80	3.80		



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450554E - 118711N

Hole Type
WLS

Location: Fair Oak

Level: 54.81

Scale
1:25

Client: Bloor Homes Southern

Dates: 15/12/2022

Logged By
FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20	54.61		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1
		0.50	PP	1.4kg/cm2	0.60	54.21		Firm orange brown slightly sandy CLAY with occasional rootlets. Sand is fine LONDON CLAY	
		1.00	PP	2.5kg/cm2				Stiff becoming very stiff orange and grey mottled CLAY with occasional rootlets LONDON CLAY	2
		1.40	ES						
		1.50	PP	3.6kg/cm2					
					1.70	53.11		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	3
		2.00	PP	2.5kg/cm2	2.10	52.71		Orange and grey mottled slightly clayey silty fine SAND LONDON CLAY	
					3.30	51.51		Orange and grey mottled clayey silty fine SAND LONDON CLAY	4
					4.20	50.61		Firm dark grey sandy CLAY. Sand is fine LONDON CLAY	
		4.50	PP	1.2kg/cm2					5
		5.00	PP	1.4kg/cm2	5.00	49.81		End of Borehole at 5.00m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			3.00	3.00	





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS04

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450764E - 118486N

Hole Type
WLS

Location: Fair Oak

Level: 42.85

Scale
1:25

Client: Bloor Homes Southern

Dates: 16/12/2022

Logged By
FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	42.60		Grass over dark brown sandy CLAY with frequent roots and rootlets TOPSOIL	1
					0.70	42.14		Firm orange brown very sandy CLAY with occasional roots and rootlets. Sand is fine LONDON CLAY	
					1.80	41.04		Orange brown clayey silty fine SAND with occasional bands of orange and grey mottled sandy CLAY LONDON CLAY	2
		2.00	PP	2.3kg/cm2	2.20	40.65		Stiff orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY	
		2.50	PP	2.0kg/cm2				Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	3
		2.60	ES						
		3.00	PP	2.1kg/cm2	3.15	39.70		Stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	4
		3.50	PP	2.9kg/cm2					
		4.00	PP	2.7kg/cm2	4.10	38.74		Stiff dark grey sandy CLAY. Sand is fine LONDON CLAY	5
		4.50	PP	1.8kg/cm2					
		5.00	PP	1.6kg/cm2	5.00	37.84		End of Borehole at 5.00m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		



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Borehole No.

WS05

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450841E - 118744N

Hole Type	WLS
-----------	-----

Location: Fair Oak

Level:

Scale
1:25

Client: Bloor Homes Southern

Dates: 16/12/2022

Logged By
FG





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS06

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450809E - 118551N

Hole Type
WLS

Location: Fair Oak

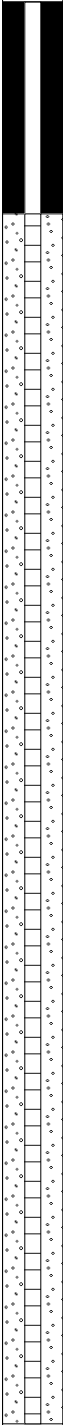
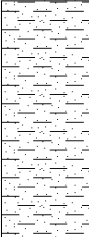
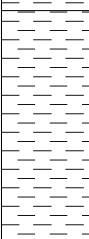
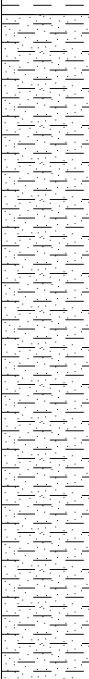
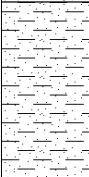
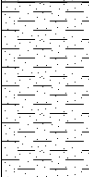
Level: 45.06

Scale
1:25

Client: Bloor Homes Southern

Dates: 15/12/2022

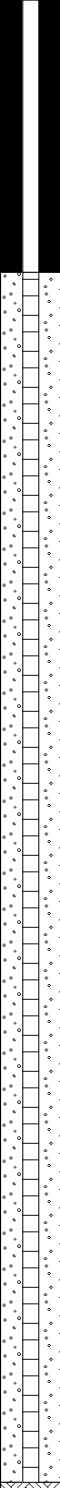
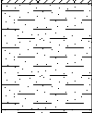
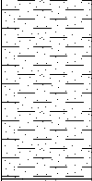
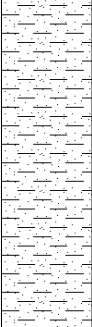
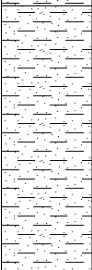
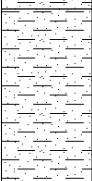
Logged By
FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.30	44.76		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1	
		0.50	PP	0.4kg/cm2				Soft to firm orange brown sandy wet CLAY with occasional roots and rootlets. Sand is fine LONDON CLAY		
		1.00	PP	0.5kg/cm2	1.10	43.96		Firm to stiff orange brown CLAY with occasional rootlets LONDON CLAY		
		1.50	PP	2.1kg/cm2	1.40	43.66		Firm to stiff orange brown CLAY LONDON CLAY	2	
		2.00	PP	1.7kg/cm2				Firm to stiff orange and grey mottled slightly sandy CLAY LONDON CLAY		
		2.20	ES		2.20	42.86				
		2.50	PP	1.4kg/cm2						
		3.00	PP	1.7kg/cm2				Stiff dark grey and slightly orange slightly sandy CLAY. Sand is fine LONDON CLAY	3	
		3.50	PP	1.5kg/cm2						
		4.00	PP	1.2kg/cm2						
		4.50	PP	2.5kg/cm2	4.40	40.66		Stiff dark grey and slightly orange slightly sandy CLAY. Sand is fine LONDON CLAY	4	
		5.00	PP	2.0kg/cm2	5.00	40.06		End of Borehole at 5.00m		
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike	Rose To						





 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS07 Sheet 1 of 1	
Project Name: Land South of Mortimers Lane				Project No. GE21215		Co-ords: 450737E - 118632N		Hole Type WLS	
Location: Fair Oak				Level: 49.91		Scale 1:25			
Client: Bloor Homes Southern				Dates: 16/12/2022		Logged By FG			

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	49.66		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1
		0.50	PP	1.1kg/cm2	0.60	49.31		Firm orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY	
		1.00	PP	1.1kg/cm2	1.20	48.71		Firm orange brown slightly sandy CLAY with rare rootlets. Sand is fine LONDON CLAY	2
		1.50	PP	0.8kg/cm2	2.00	47.61		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY	
		2.00	PP	0.9kg/cm2	2.30	47.61		Stiff orange and grey mottled slightly sandy CLAY with rare ferrous inclusions. Sand is fine LONDON CLAY	3
		2.50	PP	2.1kg/cm2	3.00	46.71		Very stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.00	PP	2.2kg/cm2	3.20	46.71		Very stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	4
		3.50	PP	3.9kg/cm2	3.70	46.11		Very stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.70	ES		4.00				5
		4.00	PP	3.0kg/cm2	4.50				
		5.00	PP	3.6kg/cm2	5.00	44.91		End of Borehole at 5.00m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS08

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450723E - 118756N

Hole Type
WLS

Location: Fair Oak

Level: 54.77

Scale
1:25

Client: Bloor Homes Southern

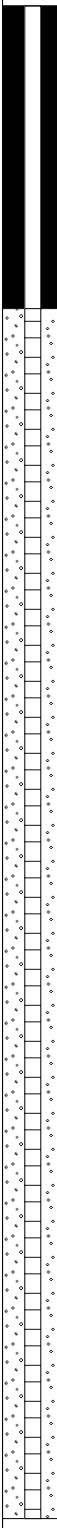
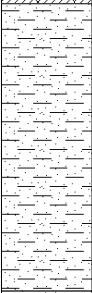
Dates: 15/12/2022

Logged By
FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	54.52		Grass over dark brown sandy CLAY with frequent roots and rootlets TOPSOIL	1
					0.70	54.07		Soft to firm orange brown sandy CLAY with frequent roots and rootlets. Sand is fine LONDON CLAY	
								Firm orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY	
		1.00	PP	1.5kg/cm2	1.40	53.37		Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	2
		1.20	ES						
		1.50	PP	1.4kg/cm2	2.20	52.57		Soft to firm orange and grey mottled sandy sticky CLAY. Sand is fine LONDON CLAY	
		2.00	PP	1.0kg/cm2	2.90	51.87		Soft to firm orange brown very sandy sticky CLAY. Sand is fine LONDON CLAY	3
									4
					4.70	50.07		Firm dark grey sandy CLAY. Sand is fine LONDON CLAY	
		5.00	PP	0.9kg/cm2	5.00	49.77		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			4.00	4.00	Borehole slumping due to wet clays



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS09 Sheet 1 of 1		
Project Name: Land South of Mortimers Lane				Project No. GE21215		Co-ords: 450625E - 118749N		Hole Type WLS		
Location: Fair Oak				Level: 56.70		Scale 1:25				
Client: Bloor Homes Southern				Dates: 16/12/2022		Logged By FG				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.25	56.45		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1	
		0.50	PP	1.4kg/cm2				Firm orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY		
		1.00	ES							
		1.00	PP	1.1kg/cm2	1.20	55.50				
		1.50	PP	1.5kg/cm2						
		2.00	PP	2.0kg/cm2					2	
		2.50	PP	1.0kg/cm2	2.50	54.20				
		3.00	PP	2.5kg/cm2						
		3.50	PP	2.1kg/cm2	3.20	53.50			3	
		4.00	PP	2.4kg/cm2						
	4.50	PP	3.0kg/cm2					4		
	5.00	PP	3.5kg/cm2	5.00	51.70			5		
End of Borehole at 5.00m										
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike							Rose To





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS10

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450591E - 118850N

Hole Type
WLS

Location: Fair Oak

Level: 58.09

Scale
1:25

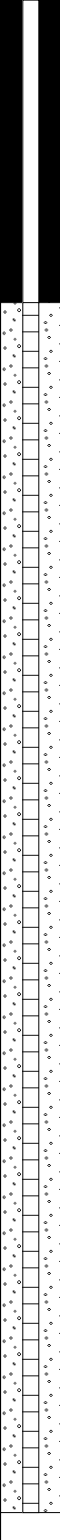
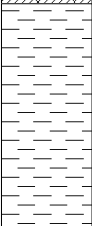
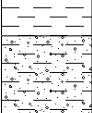
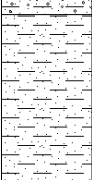
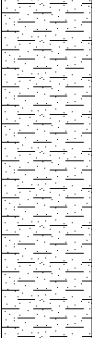
Client: Bloor Homes Southern

Dates: 15/12/2022

Logged By
FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.25	57.84		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1	
		0.50	PP	1.5kg/cm2	0.60	57.49		Firm orange and grey mottled slightly sandy CLAY with occasional roots and rootlets LONDON CLAY		
		1.00	PP	2.0kg/cm2	1.20	56.89		Firm to stiff orange and grey mottled slightly sandy CLAY with rare rootlets. Sand is fine LONDON CLAY	2	
		1.50	PP	1.2kg/cm2	1.80	56.29		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
		2.00	PP	0.5kg/cm2				Soft orange and grey mottled sandy sticky CLAY. Sand is fine LONDON CLAY	3	
					3.40	54.69		Firm brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY		
		4.00	PP	1.5kg/cm2	4.00	54.09		End of Borehole at 4.00m	4	
									5	
		Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks				
		Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Sides unstable due to wet clays slumping in borehole			



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS11 Sheet 1 of 1		
Project Name: Land South of Mortimers Lane				Project No. GE21215		Co-ords: 450625E - 118526N		Hole Type WLS		
Location: Fair Oak				Level:				Scale 1:25		
Client: Bloor Homes Southern				Dates: 15/12/2022				Logged By FG		
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.25			Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	1	
		0.50	PP	1.7kg/cm2				Firm orange and grey mottled CLAY with frequent rootlets LONDON CLAY		
		1.00	PP	1.7kg/cm2	1.10			Firm to stiff orange and grey mottled slightly sandy slightly gravelly CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint LONDON CLAY		
		1.50	PP	1.8kg/cm2	1.40			Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
		2.00	PP	1.2kg/cm2				Stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	2	
		2.10	ES							
		2.50	PP	1.4kg/cm2						
		3.00	PP	1.0kg/cm2	3.10					3
		3.50	PP	1.8kg/cm2	3.60					
		4.00	PP	1.5kg/cm2						
4.50	PP	2.5kg/cm2						4		
5.00	PP	2.6kg/cm2	5.00							
End of Borehole at 5.00m									5	
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike							Rose To
			2.00	2.00						





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS12

Sheet 1 of 1

Project Name: Land South of Mortimers Lane

Project No.
GE21215

Co-ords: 450628E - 118918N

Hole Type
WLS

Location: Fair Oak

Level: 59.54

Scale
1:25

Client: Bloor Homes Southern

Dates: 15/12/2022

Logged By
FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.25			0.25	59.29		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	1.5kg/cm2				Firm orange and grey mottled CLAY with occasional roots and rootlets LONDON CLAY	
		1.00	PP	1.1kg/cm2	0.90	58.64		Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	1
		1.50	PP	1.5kg/cm2					
		2.00	PP	1.5kg/cm2	1.90	57.64		Stiff becoming very stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	2
		2.50	PP	2.6kg/cm2					
		3.00	ES						
		3.00	PP	2.2kg/cm2					3
		3.50	PP	3.4kg/cm2					
		4.00	PP	2.3kg/cm2	3.75	55.79		Stiff becoming very stiff dark grey slightly sandy CLAY LONDON CLAY	4
		4.50	PP	3.0kg/cm2					
		5.00	PP	3.5kg/cm2	5.00	54.54		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		

APPENDIX C

Geochemical Laboratory Results





Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

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info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 23-45712

Issue: 1

Date of Issue: 09/01/2023

Contact: Fiona Goode

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex BN6 9GL

Quotation No: Q22-03510

Order No: PO-6016

Customer Reference: GE21215

Date Received: 05/01/2023

Date Approved: 09/01/2023

Details: Land South of Mortimers Lane

Approved by:

Tim Reeve, Quality Officer

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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Sample Summary

Report No.: 23-45712, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
307066	WS01 4.10	16/12/2022	05/01/2023	Clay	
307067	WS02 1.60	16/12/2022	05/01/2023	Clayey loam	
307068	WS03 1.40	16/12/2022	05/01/2023	Clayey loam	
307069	WS04 2.60	16/12/2022	05/01/2023	Silty clayey loam	
307070	WS05 1.20	16/12/2022	05/01/2023	Clayey loam	
307071	WS06 2.20	16/12/2022	05/01/2023	Clayey loam	
307072	WS07 3.70	16/12/2022	05/01/2023	Sandy loam	
307073	WS08 1.20	16/12/2022	05/01/2023	Silty clayey loam	
307074	WS09 1.00	16/12/2022	05/01/2023	Silty clayey loam	
307075	WS10 1.80	16/12/2022	05/01/2023	Silty clayey loam	
307076	WS11 2.10	16/12/2022	05/01/2023	Sandy clayey loam	
307077	WS12 3.00	16/12/2022	05/01/2023	Sandy loam	



Results Summary

Report No.: 23-45712, issue number 1

				307066	307067	307068	307069	307070	307071	307072	307073	307074	307075	307076	307077	
ELAB Reference																
Customer Reference																
Sample ID																
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Sample Location				WS01	WS02	WS03	WS04	WS05	WS06	WS07	WS08	WS09	WS10	WS11	WS12	
Sample Depth (m)				4.10	1.60	1.40	2.60	1.20	2.20	3.70	1.20	1.00	1.80	2.10	3.00	
Sampling Date				16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022	
Determinand		Codes	Units	LOD												
Soil sample preparation parameters																
Moisture Content		N	%	0.1	17.5	20.9	16.7	19.6	16.5	16.9	18.6	16.5	18.3	17.4	18.9	19.1
Material removed		N	%	0.1	10.5	13.1	9.5	< 0.1	6.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Description of Inert material removed		N		0	Stones	Stones	Stones	None	Stones	None	None	None	None	None	None	None
Miscellaneous																
Total Organic Carbon		N	%	0.01	1.9	0.68	0.23	0.17	0.21	0.29	0.28	0.15	0.18	0.12	0.15	0.18



Method Summary

Report No.: 23-45712, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Total organic carbon/Total sulphur	N	Air dried sample	09/01/2023	210	IR

Tests marked N are not UKAS accredited

Report Information

Report No.: 23-45712, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

LOD LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.
Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.
ELAB are unable to provide an interpretation or opinion on the content of this report.
The results relate only to the sample received.
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request
Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

TPH Classification - HWOL Acronym System

HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

APPENDIX D

Ground Gas and Groundwater Monitoring Results



Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	19/12/22	0	0.0	0.0	19.9	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/12/22	10	0.0	1.0	19.6	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/12/22	20	0.0	1.3	19.1	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/12/22	30	0.0	1.3	18.7	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/12/22	60	0.0	1.3	18.4	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/12/22	90	0.0	1.3	18.4	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/12/22	120	0.0	1.3	18.4	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/12/22	180	0.0	1.3	18.3	0.0	0.2	1000	0.50	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	0	0.0	0.1	19.5	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	10	0.0	2.7	19.7	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	20	0.0	3.5	19.5	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	30	0.0	3.6	19.4	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	60	0.0	3.6	19.2	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	90	0.0	3.6	19.2	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	120	0.0	3.6	19.2	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/12/22	180	0.0	3.6	19.2	0.0	0.6	1000	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	0	0.0	0.1	20.1	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	10	0.0	0.0	20.3	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	20	0.0	0.0	20.1	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	30	0.0	0.0	20.0	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	60	0.0	0.0	20.0	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	90	0.0	0.0	19.9	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	120	0.0	0.0	19.9	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/12/22	180	0.0	0.0	19.9	0.0	0.0	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	0	0.0	0.0	19.7	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	10	0.0	0.2	20.0	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	20	0.0	0.3	19.6	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	30	0.0	0.3	19.2	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	60	0.0	0.3	19.0	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	90	0.0	0.3	18.9	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	120	0.0	0.4	18.9	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/12/22	180	0.0	0.4	18.8	0.1	0.5	1000	0.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	0	0.0	0.0	20.0	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	10	0.0	0.2	20.3	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	20	0.0	0.8	20.1	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	30	0.0	0.8	19.9	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	60	0.0	0.8	19.9	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	90	0.0	0.8	19.8	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	120	0.0	0.8	19.8	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/12/22	180	0.0	0.8	19.8	0.0	0.5	1000	0.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	0	0.0	0.0	20.3	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	10	0.0	0.8	20.5	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	20	0.0	0.7	20.2	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	30	0.0	0.6	20.4	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	60	0.0	0.6	20.3	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	90	0.0	0.6	20.3	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	120	0.0	0.7	20.3	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/12/22	180	0.0	0.7	20.3	0.0	0.5	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS07	19/12/22	0	0.0	0.0	20.3	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	19/12/22	10	0.0	0.7	20.5	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	19/12/22	20	0.0	1.3	19.9	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	19/12/22	30	0.0	1.3	19.7	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	19/12/22	60	0.0	1.4	19.4	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	19/12/22	90	0.0	1.3	18.9	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	19/12/22	120	0.0	1.2	19.3	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	19/12/22	180	0.0	1.2	19.2	0.0	0.7	1000	0.22	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	0	0.0	0.0	20.2	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	10	0.0	0.7	20.4	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	20	0.0	2.0	20.0	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	30	0.0	2.1	19.7	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	60	0.0	2.1	19.5	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	90	0.0	2.1	19.5	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	120	0.0	2.1	19.5	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	19/12/22	180	0.0	2.1	19.4	0.0	0.8	1000	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	0	0.0	0.0	20.0	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	10	0.0	0.5	20.3	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	20	0.0	1.0	19.6	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	30	0.0	1.0	19.6	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	60	0.0	1.0	19.4	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	90	0.0	1.0	19.3	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	120	0.0	1.0	19.9	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	19/12/22	180	0.0	1.0	19.3	0.0	1.1	1000	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	0	0.0	1.2	20.0	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	10	0.0	1.5	19.9	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	20	0.0	1.5	19.9	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	30	0.0	1.5	19.8	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	60	0.0	1.5	19.8	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	90	0.0	1.5	19.7	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	120	0.0	1.5	19.7	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	19/12/22	180	0.0	1.5	19.6	0.0	0.7	1000	0.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	0	0.0	0.0	19.8	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	10	0.0	0.7	20.2	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	20	0.0	1.5	20.0	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	30	0.0	1.6	19.9	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	60	0.0	1.6	19.7	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	90	0.0	1.6	19.7	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	120	0.0	1.7	19.7	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	19/12/22	180	0.0	1.6	19.7	0.0	0.8	1000	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	0	0.0	0.0	20.1	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	10	0.0	0.2	20.4	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	20	0.0	0.2	20.3	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	30	0.0	0.2	20.4	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	60	0.0	0.1	20.3	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	90	0.0	0.0	20.3	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	120	0.0	0.0	20.3	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	19/12/22	180	0.0	0.0	20.4	0.0	1.0	1000	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	09/01/23	0	0.0	0.1	19.9	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	09/01/23	10	0.0	1.7	19.8	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	09/01/23	20	0.0	2.3	19.0	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	09/01/23	30	0.0	2.3	18.5	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	09/01/23	60	0.0	2.1	18.3	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	09/01/23	90	0.0	2.0	18.4	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	09/01/23	120	0.0	1.9	18.5	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	09/01/23	180	0.0	1.7	18.0	0.0	2.3	992	0.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	09/01/23	0	0.0	6.1	16.1	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	09/01/23	10	0.0	7.0	16.7	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	09/01/23	20	0.0	5.3	16.9	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	09/01/23	30	0.0	4.8	17.3	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	09/01/23	60	0.0	3.9	17.9	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	09/01/23	90	0.0	3.7	18.8	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	09/01/23	120	0.0	2.9	18.4	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	09/01/23	180	0.0	2.8	17.0	0.0	2.3	993	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	0	0.0	0.0	20.1	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	10	0.0	0.0	20.1	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	20	0.0	0.0	20.0	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	30	0.0	0.0	19.9	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	60	0.0	0.0	19.9	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	90	0.0	0.0	19.9	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	120	0.0	0.0	19.0	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	09/01/23	180	0.0	0.0	19.9	0.0	1.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	0	0.0	0.5	19.6	6.4	1.5	994	0.30	0.000	0.032	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	10	0.0	2.4	19.4	6.4	1.5	994	0.30	0.000	0.154	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	20	0.0	1.8	18.9	6.4	1.5	994	0.30	0.000	0.115	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	30	0.0	1.5	18.8	6.4	1.5	994	0.30	0.000	0.096	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	60	0.0	1.2	19.0	6.4	1.5	994	0.30	0.000	0.077	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	90	0.0	1.1	19.1	6.4	1.5	994	0.30	0.000	0.070	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	120	0.0	1.0	19.2	6.4	1.5	994	0.30	0.000	0.064	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	09/01/23	180	0.0	0.9	19.1	6.4	1.5	994	0.30	0.000	0.058	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	09/01/23	0	0.0	0.0	20.1	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	09/01/23	10	0.0	0.6	20.2	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	09/01/23	20	0.0	0.3	19.9	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	09/01/23	30	0.0	0.2	19.8	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	09/01/23	60	0.0	0.1	19.9	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	09/01/23	90	1.0	0.0	20.0	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	AMBER 1	GREEN	GREEN
WS05	09/01/23	120	0.0	0.0	20.0	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	09/01/23	180	0.0	0.0	20.1	0.0	1.6	995	0.16	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	0	0.0	0.0	19.8	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	10	0.0	0.3	20.3	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	20	0.0	0.9	19.9	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	30	0.0	0.8	19.7	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	60	0.0	0.5	19.8	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	90	0.0	0.4	19.8	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	120	0.0	0.4	19.9	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	09/01/23	180	0.0	0.4	19.9	0.0	1.8	995	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS07	09/01/23	0	0.0	0.0	20.0	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	09/01/23	10	0.0	0.4	20.1	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	09/01/23	20	5.4	0.5	20.2	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	CH4>CS1 limit	NO	GREEN	AMBER 2	GREEN	GREEN
WS07	09/01/23	30	0.0	0.5	20.0	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	09/01/23	60	0.0	0.4	20.2	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	09/01/23	90	0.0	0.3	19.9	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	09/01/23	120	0.0	0.2	19.9	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	09/01/23	180	0.0	0.2	20.0	0.0	0.1	994	0.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	0	0.0	0.0	19.9	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	10	0.0	1.6	19.9	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	20	0.0	1.9	19.2	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	30	0.0	1.4	19.0	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	60	0.0	0.9	19.1	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	90	0.0	0.8	19.3	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	120	0.0	0.8	19.4	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	09/01/23	180	0.0	0.8	19.4	0.0	1.6	996	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	0	0.0	0.0	20.0	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	10	0.0	0.1	20.2	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	20	0.0	0.1	19.6	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	30	0.0	0.0	19.6	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	60	0.0	0.0	20.0	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	90	0.0	0.0	19.8	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	120	0.0	0.0	20.0	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	09/01/23	180	0.0	0.0	20.1	0.0	2.3	996	0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	0	0.0	0.0	19.8	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	10	0.0	0.2	20.2	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	20	0.0	0.8	19.7	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	30	0.0	0.8	19.4	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	60	0.0	0.8	19.1	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	90	0.0	0.7	19.1	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	120	0.0	0.6	19.4	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	09/01/23	180	0.0	0.0	20.1	0.0	1.0	996	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	0	0.0	0.0	18.9	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	10	0.0	1.0	18.7	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	20	0.0	2.0	18.4	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	30	0.0	2.0	18.0	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	60	0.0	1.5	18.2	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	90	0.0	1.2	18.5	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	120	0.0	0.9	18.9	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	09/01/23	180	0.0	0.7	19.3	0.0	1.7	996	0.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	0	0.0	0.0	18.5	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	10	0.0	0.0	20.1	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	20	0.0	0.2	20.1	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	30	0.0	0.2	20.0	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	60	0.0	0.2	20.2	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	90	0.0	0.1	20.0	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	120	0.0	0.1	20.1	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	09/01/23	180	0.0	0.1	20.0	0.0	0.6	996	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	24/01/23	0	0.0	0.0	19.7	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/01/23	10	0.0	0.8	19.8	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/01/23	20	0.0	1.7	19.3	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/01/23	30	0.0	1.8	19.0	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/01/23	60	0.0	2.0	18.6	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/01/23	90	0.0	2.0	18.4	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/01/23	120	0.0	2.1	18.3	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/01/23	180	0.0	2.2	18.2	0.0	3.9	1031	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	0	0.0	0.0	20.4	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	10	0.0	1.6	20.1	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	20	0.0	4.3	19.0	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	30	0.0	4.1	18.0	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	60	0.0	4.2	17.7	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	90	0.0	4.1	17.7	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	120	0.0	4.0	17.6	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/01/23	180	0.0	3.9	17.7	0.0	4.7	1031	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	0	0.0	0.0	19.7	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	10	0.0	0.0	19.8	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	20	0.0	0.0	19.3	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	30	0.0	0.0	18.9	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	60	0.0	0.0	18.8	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	90	0.0	0.0	18.7	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	120	0.0	0.0	18.6	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/01/23	180	0.0	0.0	18.7	0.0	3.3	1030	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	0	0.0	0.0	20.0	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	10	0.0	0.4	20.2	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	20	0.0	0.7	19.8	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	30	0.0	0.8	19.5	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	60	0.0	1.0	19.2	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	90	0.0	1.1	19.2	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	120	0.0	1.0	18.9	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/01/23	180	0.0	1.1	18.9	0.0	5.2	1030	0.27	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	0	0.0	0.1	20.0	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	10	0.0	0.4	20.0	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	20	0.0	0.5	19.8	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	30	0.0	0.4	19.7	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	60	0.0	0.4	19.9	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	90	0.0	0.4	19.5	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	120	0.0	0.3	19.7	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/01/23	180	0.0	0.3	19.8	0.0	1.4	1031	0.38	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	0	0.0	0.0	21.2	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	10	0.0	1.2	20.1	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	20	0.0	2.4	18.3	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	30	0.0	2.3	17.8	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	60	0.0	1.7	17.7	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	90	0.0	1.5	17.9	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	120	0.0	1.8	16.5	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/01/23	180	0.0	1.1	18.4	0.0	3.6	1030	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS07	24/01/23	0	0.0	0.0	19.8	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/01/23	10	0.0	0.5	19.9	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/01/23	20	0.0	0.6	20.4	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/01/23	30	0.0	0.6	19.9	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/01/23	60	0.0	0.4	19.8	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/01/23	90	0.0	0.3	19.8	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/01/23	120	0.0	0.3	19.9	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/01/23	180	0.0	0.3	19.9	0.0	0.7	1031	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	0	0.0	0.0	20.1	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	10	0.0	2.1	19.7	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	20	0.0	3.4	18.1	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	30	0.0	3.0	18.0	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	60	0.0	2.4	17.2	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	90	0.0	2.1	17.4	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	120	0.0	2.3	17.8	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/01/23	180	0.0	2.1	17.6	0.0	3.9	1030	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	0	0.0	0.0	19.9	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	10	0.0	0.0	20.1	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	20	0.0	0.3	19.2	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	30	0.0	0.3	18.6	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	60	0.0	0.2	18.8	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	90	0.0	0.2	19.2	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	120	0.0	0.1	19.4	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/01/23	180	0.0	0.1	19.5	0.0	7.1	1031	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	0	0.0	2.5	20.1	0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	10	0.0	0.9	19.6	0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	20	0.0	1.4	17.6	0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	30	0.0	1.4	16.5	0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	60	0.0	1.2	16.0	0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	90				0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	120				0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/01/23	180				0.0	4.6	1031	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	0	0.0	0.1	19.4	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	10	0.0	1.6	19.3	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	20	0.0	2.0	18.5	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	30	0.0	2.0	18.2	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	60	0.0	1.9	17.5	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	90	0.0	1.8	17.5	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	120	0.0	1.8	18.2	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/01/23	180	0.0	1.6	17.8	0.0	4.3	1031	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	0	0.0	0.0	19.9	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	10	0.0	0.1	20.1	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	20	0.0	0.1	20.8	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	30	0.0	0.1	20.1	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	60	0.0	0.0	20.0	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	90	0.0	0.0	20.0	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	120	0.0	0.0	20.0	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/01/23	180	0.0	0.0	20.0	0.0	0.3	1032	0.34	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	08/02/23	0	0.0	0.1	19.8	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	10	0.0	1.3	18.8	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	20	0.0	1.8	18.9	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	30	0.0	1.8	18.8	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	60	0.0	1.8	18.4	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	90	0.0	1.9	18.3	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	120	0.0	2.1	18.1	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	180	0.0	2.2	17.9	0.0	2.0	1027	0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	0	0.0	0.2	20.1	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	10	0.0	0.8	19.6	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	20	0.0	0.8	19.6	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	30	0.0	0.9	19.2	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	60	0.0	0.9	19.0	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	90	0.0	0.9	18.9	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	120	0.0	0.9	18.9	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/02/23	180	0.0	0.9	18.9	0.0	1.0	1022	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	0	0.0	0.2	19.4	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	10	0.0	3.3	18.9	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	20	0.0	4.1	18.4	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	30	0.0	4.2	18.0	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	60	0.0	3.9	17.8	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	90	0.0	3.9	17.7	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	120	0.0	4.1	17.6	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	180	0.0	4.0	17.6	0.0	4.8	1026	0.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	0	0.0	0.6	20.0	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	10	0.0	0.5	20.1	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	20	0.0	0.7	20.1	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	30	0.0	0.7	20.0	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	60	0.0	0.7	20.0	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	90	0.0	0.7	20.0	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	120	0.0	0.7	20.0	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/02/23	180	0.0	0.7	20.0	0.2	2.4	1023	0.39	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	0	0.0	0.2	19.7	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	10	0.0	0.1	19.9	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	20	0.0	0.1	19.6	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	30	0.0	0.0	19.5	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	60	0.0	0.0	19.5	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	90	0.0	0.0	19.5	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	120	0.0	0.0	19.6	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	180	0.0	0.1	19.6	0.0	1.1	1026	0.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	0	0.0	0.2	19.6	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	10	0.0	0.1	19.9	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	20	0.0	0.1	19.9	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	30	0.0	0.1	20.0	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	60	0.0	0.1	19.9	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	90	0.0	0.0	19.9	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	120	0.0	0.0	19.9	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	08/02/23	180	0.0	0.0	20.0	0.0	4.5	1023	0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS04	08/02/23	0	0.0	0.0	20.1	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	10	0.0	0.7	20.2	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	20	0.0	1.1	19.6	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	30	0.0	1.1	19.4	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	60	0.0	0.9	19.3	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	90	0.0	0.9	19.4	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	120	0.0	0.9	19.4	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	180	0.0	0.9	19.3	0.0	2.2	1027	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	0	0.0	0.0	19.6	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	10	0.0	0.5	19.8	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	20	0.0	0.6	19.9	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	30	0.0	0.6	19.9	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	60	0.0	0.6	19.8	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	90	0.0	0.6	19.8	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	120	0.0	0.7	19.7	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	08/02/23	180	0.0	0.7	19.7	0.0	2.4	1025	1.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	0	0.0	0.0	19.8	0.2	0.6	1027	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	10	0.0	0.4	19.9	0.2	0.6	1027	0.58	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	20	0.0	0.4	20.0	0.2	0.6	1027	0.58	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	30	0.0	0.4	20.0	0.2	0.6	1027	0.58	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	60	0.0	0.3	20.0	0.2	0.6	1027	0.58	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	90	0.0	0.2	20.1	0.2	0.6	1027	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	120	0.3	0.2	20.1	0.2	0.6	1027	0.58	0.001	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	180	0.0	0.1	20.1	0.2	0.6	1027	0.58	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	0	0.0	0.0	20.0	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	10	0.0	0.5	19.8	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	20	0.0	0.5	19.8	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	30	0.0	0.5	19.8	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	60	0.0	0.4	19.8	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	90	0.0	0.3	19.9	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	120	0.0	0.2	19.9	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/02/23	180	0.0	0.2	19.9	0.0	2.8	1025	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	0	0.0	0.1	19.8	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	10	0.0	1.9	18.5	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	20	0.0	2.7	18.3	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	30	0.0	2.5	18.1	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	60	0.0	2.5	17.7	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	90	0.0	2.5	17.6	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	120	0.0	2.5	17.5	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	180	0.0	2.3	17.6	0.0	4.7	1025	0.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	0	0.0	0.0	20.3	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	10	0.0	0.6	20.3	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	20	0.0	0.7	20.0	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	30	0.0	0.7	20.6	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	60	0.0	0.7	19.6	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	90	0.0	0.7	19.8	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	120	0.0	0.7	19.7	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/02/23	180	0.0	0.7	19.7	0.0	1.1	1023	2.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS07	08/02/23	0	0.0	0.0	19.9	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	10	0.0	0.3	20.2	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	20	0.0	0.4	20.2	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	30	0.0	0.4	20.2	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	60	0.0	0.3	20.2	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	90	0.0	0.2	20.2	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	120	0.0	0.2	19.7	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	180	0.0	0.1	20.2	0.0	1.9	1028	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	0	0.0	0.0	19.4	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	10	0.0	0.9	19.8	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	20	0.0	0.8	19.7	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	30	0.0	0.7	19.7	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	60	0.0	0.6	19.7	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	90	0.0	0.6	19.8	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	120	0.0	0.5	19.8	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	08/02/23	180	0.0	0.5	19.8	0.0	3.2	1026	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	0	0.0	0.0	20.0	0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	10	0.0	1.8	19.1	0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	20	0.0	2.7	18.0	0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	30	0.0	2.6	17.5	0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	60	0.0	2.2	17.3	0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	90	0.0	2.0	17.4	0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	120				0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	180				0.0	3.7	1027	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	0	0.0	0.4	19.6	4.0	1.9	1024	0.53	0.000	0.016	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	10	0.0	0.5	20.3	4.0	1.9	1024	0.53	0.000	0.020	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	20	0.0	0.5	20.0	4.0	1.9	1024	0.53	0.000	0.020	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	30	0.0	0.5	20.1	4.0	1.9	1024	0.53	0.000	0.020	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	60	0.0	0.5	20.0	4.0	1.9	1024	0.53	0.000	0.020	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	90	0.0	0.4	20.1	4.0	1.9	1024	0.53	0.000	0.016	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	120	0.0	0.4	20.1	4.0	1.9	1024	0.53	0.000	0.016	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	08/02/23	180	0.0	0.4	20.0	4.0	1.9	1024	0.53	0.000	0.016	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	0	0.0	0.0	19.9	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	10	0.0	0.3	20.2	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	20	0.0	0.5	19.7	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	30	0.0	0.4	19.5	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	60	0.0	0.4	19.4	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	90	0.0	0.3	19.5	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	120	0.0	0.3	19.6	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	180	0.0	0.2	19.7	0.0	5.7	1028	0.61	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	0	0.0	0.1	20.0	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	10	0.0	0.1	20.2	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	20	0.0	0.2	20.1	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	30	0.0	0.2	20.0	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	60	0.0	0.2	19.9	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	90	0.0	0.2	19.9	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	120	0.0	0.2	19.9	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	08/02/23	180	0.0	0.2	19.9	0.0	2.4	1027	2.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS10	08/02/23	0	0.0	0.1	19.9	0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	10	0.0	0.7	20.0	0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	20	0.0	1.0	19.6	0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	30	0.0	1.0	19.1	0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	60	0.0	1.1	19.0	0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	90	0.0	1.1	18.7	0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	120	0.0	1.1	18.7	0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	180	0.0			0.0	1.8	1027	0.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	0	0.0	0.2	20.0	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	10	0.0	0.2	20.3	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	20	0.0	0.3	20.3	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	30	0.0	0.3	20.2	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	60	0.0	0.3	20.2	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	90	0.0	0.3	20.2	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	120	0.0	0.3	20.2	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	08/02/23	180	0.0	0.3	20.2	0.3	3.8	1026	0.15	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	0	0.0	0.0	19.8	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	10	0.0	1.3	19.5	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	20	0.0	1.8	18.9	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	30	0.0	1.8	18.3	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	60	0.0	1.8	17.9	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	90	0.0	1.8	17.7	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	120	0.0	1.8	17.8	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	180	0.0	1.6	17.9	0.0	8.6	1029	0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	0	0.0	0.0	20.0	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	10	0.0	0.3	20.2	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	20	0.0	0.3	20.2	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	30	0.0	0.3	20.2	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	60	0.0	0.4	20.1	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	90	0.0	0.4	20.1	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	120	0.0	0.4	20.1	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	08/02/23	180	0.0	0.4	20.1	0.0	2.9	1027	2.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	0	0.0	0.0	19.9	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	10	0.0	0.2	20.2	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	20	0.0	0.2	20.2	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	30	0.0	0.2	20.2	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	60	0.0	0.1	20.2	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	90	0.0	0.1	20.2	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	120	0.0	0.1	20.2	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	180	0.0	0.0	20.2	0.0	1.6	1028	0.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	0	0.0	0.6	19.6	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	10	0.0	0.6	19.9	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	20	0.0	0.7	19.8	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	30	0.0	0.7	19.8	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	60	0.0	0.7	19.8	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	90	0.0	0.6	19.8	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	120	0.0	0.6	19.8	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	08/02/23	180	0.0	0.6	19.8	0.0	1.9	1026	2.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	21/02/23	0	0.0	0.1	19.3	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	10	0.0	3.4	18.0	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	20	0.0	4.1	16.2	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	30	0.0	4.2	15.0	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	60	0.0	4.2	13.7	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	90	0.0	4.2	13.5	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	120	0.0	4.2	13.3	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	180	0.0	4.2	13.3	0.0	5.8	1011	0.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01 - After 1st bailing	21/02/23	0	0.0	0.0	20.0	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	10	0.0	0.8	19.9	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	20	0.0	0.9	19.1	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	30	0.0	0.9	19.0	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	60	0.0	0.9	18.7	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	90	0.0	1.0	18.6	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	120	0.0	1.1	18.5	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	180	0.0	1.1	18.4	0.0	0.5	1007	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01 - After 2nd bailing	21/02/23	0	0.0	0.0	20.0	0.3	0.1	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	10	0.0	0.3	2.1	0.3	0.1	1007	1.07	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	20	0.0	0.4	20.1	0.3	0.1	1007	1.07	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	30	0.0	0.4	20.0	0.3	0.1	1007	1.07	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	60	0.0	0.4	19.9	0.3	0.1	1007	1.07	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	90	0.0	0.4	19.8	0.3	0.1	1007	1.07	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	120	0.0	0.5	19.8	0.3	0.1	1007	1.07	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/02/23	180	0.0	0.5	19.7	0.3	0.1	1007	1.07	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	0	0.0	0.3	19.3	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	10	0.0	3.6	19.3	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	20	0.0	5.9	18.5	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	21/02/23	30	0.0	6.2	18.2	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	21/02/23	60	0.0	6.6	17.7	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	21/02/23	90	0.0	7.0	17.4	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	21/02/23	120	0.0	7.2	17.3	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	21/02/23	180	0.0	7.2	17.2	0.0	3.6	1010	0.40	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02 - After 1st bailing	21/02/23	0	0.0	0.7	19.7	0.2	0.3	1008	0.40	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	10	0.0	0.7	19.8	0.2	0.3	1008	0.40	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	20	0.0	0.9	19.9	0.2	0.3	1008	0.40	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	30	0.0	0.9	19.8	0.2	0.3	1008	0.40	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	60	0.0	0.9	19.6	0.2	0.3	1008	0.40	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	90	0.0	0.9	19.7	0.2	0.3	1008	0.40	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	120	0.0	0.9	19.7	0.2	0.3	1008	0.40	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	180	0.0	1.1	19.6	0.2	0.3	1008	0.40	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02 - After 2nd bailing	21/02/23	0	0.0	0.0	20.3	4.2	0.1	1007	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	10	0.0	0.5	20.3	4.2	0.1	1007	0.65	0.000	0.021	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	20	0.0	0.6	20.3	4.2	0.1	1007	0.65	0.000	0.025	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	30	0.0	0.6	20.0	4.2	0.1	1007	0.65	0.000	0.025	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	60	0.0	0.7	20.2	4.2	0.1	1007	0.65	0.000	0.029	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	90	0.0	0.7	19.9	4.2	0.1	1007	0.65	0.000	0.029	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	120	0.0	0.8	20.0	4.2	0.1	1007	0.65	0.000	0.034	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/02/23	180	0.0	0.0	19.8	4.2	0.1	1007	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS03	21/02/23	0	0.0	0.3	19.3	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/02/23	10	0.0	3.0	19.5	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/02/23	20	0.0	0.3	19.5	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/02/23	30	0.0	0.3	19.6	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/02/23	60	0.0	0.3	19.5	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/02/23	90	0.0	0.2	19.8	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/02/23	120	0.0	0.1	19.5	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/02/23	180	0.0	0.1	19.9	0.0	2.2	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	0	0.0	0.0	19.8	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	10	0.0	2.2	19.2	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	20	0.0	2.6	18.0	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	30	0.0	2.8	17.1	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	60	0.0	2.7	16.4	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	90	0.0	2.0	16.5	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	120	0.0	2.7	16.4	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/02/23	180	0.0	2.7	16.6	0.0	2.0	1010	1.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	0	0.0	0.1	19.9	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	10	0.0	0.6	20.4	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	20	0.0	0.6	19.9	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	30	0.0	0.5	19.8	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	60	0.0	0.3	19.7	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	90	0.0	0.3	20.0	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	120	0.0	0.2	20.0	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	180	0.0	0.2	20.0	0.0	1.3	1011	0.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05 - After bailing	21/02/23	0	0.0	0.1	20.6	0.5	0.4	1009	2.51	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	10	0.0	0.2	20.5	0.5	0.4	1009	2.51	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	20	0.0	0.2	20.2	0.5	0.4	1009	2.51	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	30	0.0	0.3	20.2	0.5	0.4	1009	2.51	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	60	0.0	0.2	19.9	0.5	0.4	1009	2.51	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	90	0.0	0.3	19.8	0.5	0.4	1009	2.51	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	120	0.0	0.3	19.8	0.5	0.4	1009	2.51	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/02/23	180	0.0	0.3	19.0	0.5	0.4	1009	2.51	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	0	0.0	0.2	20.2	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	10	0.0	3.5	18.3	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	20	0.0	4.5	15.4	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	30	0.0	4.6	13.5	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	60	0.0	4.4	12.2	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	90	0.0	4.5	12.0	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	120	0.0	4.5	11.8	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/02/23	180	0.0	4.4	11.7	0.0	2.7	1010	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	0	0.0	0.0	19.6	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	10	0.0	0.7	19.8	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	20	0.0	0.6	19.8	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	30	0.0	0.5	19.8	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	60	0.0	0.4	19.9	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	90	0.0	0.3	20.0	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	120	0.0	0.3	19.8	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	180	0.0	0.2	20.0	0.0	1.0	1011	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS07 - After bailing	21/02/23	0	0.0	0.2	19.6	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	10	0.0	0.1	19.8	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	20	0.0	0.1	20.0	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	30	0.0	0.1	20.0	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	60	0.0	0.0	20.0	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	90	0.0	0.0	19.8	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	120	0.0	0.0	19.0	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/02/23	180	0.0	0.0	20.0	0.0	0.2	1010	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	0	0.0	0.4	18.6	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	10	0.0	3.2	19.8	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	20	0.0	4.5	19.3	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	30	0.0	4.7	18.5	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	60	0.0	4.9	17.9	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	90	0.0	4.9	17.7	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	120	0.0	5.0	17.7	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS08	21/02/23	180	0.0	4.9	17.7	0.0	1.6	1011	0.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08 - After 1st bailing	21/02/23	0	0.0	0.1	20.2	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	10	0.0	0.2	20.2	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	20	0.0	0.2	20.2	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	30	0.0	0.2	20.3	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	60	0.0	0.2	20.2	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	90	0.0	0.3	20.3	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	120	0.0	0.3	20.3	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	180	0.0	0.4	20.0	0.0	0.3	1009	0.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08 - After 2nd bailing	21/02/23	0	0.0	0.0	20.1	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	10	0.0	0.1	20.2	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	20	0.0	0.1	20.2	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	30	0.0	0.1	20.1	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	60	0.0	0.1	20.0	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	90	0.0	0.1	20.1	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	120	0.0	0.2	20.1	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/02/23	180	0.0	0.2	20.1	0.0	0.1	1010	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	0	0.0	0.2	20.0	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	10	0.0	0.0	20.2	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	20	0.0	0.0	20.1	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	30	0.0	0.0	20.1	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	60	0.0	0.0	20.0	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	90	0.0	0.0	20.1	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	120	0.0	0.0	20.0	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	180	0.0	0.0	20.0	0.0	0.5	1012	0.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09 - After bailing	21/02/23	0	0.0	0.2	19.9	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	10	0.0	0.3	20.0	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	20	0.0	0.4	19.6	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	30	0.0	0.4	19.7	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	60	0.0	0.4	19.5	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	90	0.0	0.4	19.4	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	120	0.0	0.6	19.3	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/02/23	180	0.0	0.5	19.2	0.0	0.5	1010	3.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS10	21/02/23	0	0.0	0.0	20.1	0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	10	0.0	0.5	20.2	0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	20	0.0	1.4	19.4	0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	30	0.0	1.6	18.9	0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	60	0.0	1.8	18.2	0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	90	0.0	2.0	17.6	0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	110	0.0	2.1	17.3	0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	180				0.0	1.9	1011	0.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10 - After bailing	21/02/23	0	0.0	0.4	20.0	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	10	0.0	0.3	20.0	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	20	0.0	0.4	19.5	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	30	0.0	0.4	20.0	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	60	0.0	0.4	20.0	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	90	0.0	0.5	19.6	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	120	0.0	0.5	20.0	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	140	0.0	0.5	20.0	0.0	0.2	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10- After 2nd bailing	21/02/23	0	0.0	0.1	20.1	0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	10	0.0	0.2	20.1	0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	20	0.0	0.2	20.1	0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	30	0.0	0.2	20.1	0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	60	0.0	0.2	20.1	0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	90	0.0	0.2	20.2	0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/02/23	140	0.0	0.2	20.2	0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10- After 2nd bailing	21/02/23	180				0.0	0.1	1010	0.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	0	0.0	1.9	19.2	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	10	0.0	1.6	19.4	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	20	0.0	2.3	18.9	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	30	0.0	2.6	19.0	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	60	0.0	2.3	18.4	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	90	0.0	2.4	18.3	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	120	0.0	2.6	18.2	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	180	0.0	2.5	18.1	0.0	1.6	1011	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11 - After bailing	21/02/23	0	0.0	0.0	20.1	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	10	0.0	0.1	20.1	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	20	0.0	0.0	17.5	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	30	0.0	0.3	19.0	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	60	0.0	0.1	19.1	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	90	0.0	0.1	20.0	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	120	0.0	0.1	20.3	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/02/23	180	0.0	0.1	19.7	0.0	0.2	1011	3.68	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	0	0.0	0.0	19.7	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	10	0.0	0.5	20.3	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	20	0.0	0.3	20.3	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	30	0.0	0.2	20.5	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	60	0.0	0.2	20.0	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	90	0.0	0.1	20.0	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	120	0.0	0.1	20.0	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	180	0.0	0.0	20.1	0.0	0.5	1012	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS12 - After bailing	21/02/23	0	0.0	0.4	19.6	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	10	0.0	0.5	20.0	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	20	0.0	0.6	19.5	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	30	0.0	0.6	19.3	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	60	0.0	0.6	18.6	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	90	0.0	0.7	19.1	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	120	0.0	0.8	18.9	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/02/23	180	0.0	0.6	18.8	0.0	0.5	1011	3.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	0	0.0	0.2	19.1	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	10	0.0	4.8	16.5	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	20	0.0	4.8	14.3	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	30	0.0	4.9	13.3	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	60	0.0	4.9	12.1	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	90	0.0	4.9	11.7	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	120	0.0	4.9	11.6	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/03/23	180	0.0	4.9	11.5	0.0	6.4	998	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	0	0.0	0.3	18.4	0.2	14.3	998	0.49	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	10	0.0	3.6	18.6	0.2	14.3	998	0.49	0.000	0.007	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	20	0.0	6.3	18.0	0.2	14.3	998	0.49	0.000	0.013	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	06/03/23	30	0.0	6.6	17.8	0.2	14.3	998	0.49	0.000	0.013	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	06/03/23	60	0.0	6.7	17.6	0.2	14.3	998	0.49	0.000	0.013	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	06/03/23	90	0.0	6.7	17.8	0.2	14.3	998	0.49	0.000	0.013	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	06/03/23	120	0.0	6.7	17.4	0.2	14.3	998	0.49	0.000	0.013	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02	06/03/23	180	0.0	6.7	17.4	0.2	14.3	998	0.49	0.000	0.013	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS02 - After bailing	06/03/23	0	0.0	0.1	20.2	5.7	0.0	997	0.80	0.000	0.006	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	10	0.0	0.3	20.1	5.7	0.0	997	0.80	0.000	0.017	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	20	0.0	0.4	20.0	5.7	0.0	997	0.80	0.000	0.023	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	30	0.0	0.4	20.0	5.7	0.0	997	0.80	0.000	0.023	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	60	0.0	0.5	19.9	5.7	0.0	997	0.80	0.000	0.029	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	90	0.0	0.5	19.9	5.7	0.0	997	0.80	0.000	0.029	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	120	0.0	0.6	19.9	5.7	0.0	997	0.80	0.000	0.034	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/03/23	180	0.0	0.7	19.8	5.7	0.0	997	0.80	0.000	0.040	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	0	0.0	0.2	20.2	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	10	0.0	0.4	20.4	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	20	0.0	0.3	19.8	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	30	0.0	0.2	19.8	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	60	0.0	0.2	19.9	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	90	0.0	0.1	20.0	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	120	0.0	0.1	20.0	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	06/03/23	180	0.0	0.1	20.0	0.0	1.1	999	1.55	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	0	0.0	0.0	19.8	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	10	0.0	3.1	18.2	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	20	0.0	3.7	16.7	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	30	0.0	3.7	15.8	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	60	0.0	3.8	14.5	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	90	0.0	3.8	14.5	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	120	0.0	3.8	14.4	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	06/03/23	180	0.0	3.8	14.3	0.0	2.2	999	1.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	06/03/23	0	0.0	0.3	20.0	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	10	0.0	1.1	19.8	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	20	0.0	1.8	18.7	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	30	0.0	1.8	18.0	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	60	0.0	1.8	17.3	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	90	0.0	1.9	17.0	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	120	0.0	1.9	17.0	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	180	0.0	1.9	16.9	0.0	1.8	999	0.70	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05 - After bailing	06/03/23	0	0.0	0.3	19.9	0.5	0.1	1000	3.91	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	10	0.0	0.1	20.0	0.5	0.1	1000	3.91	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	20	0.0	0.1	20.2	0.5	0.1	1000	3.91	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	30	0.0	0.1	19.9	0.5	0.1	1000	3.91	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	60	0.0	0.2	19.8	0.5	0.1	1000	3.91	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	90	0.0	0.2	19.8	0.5	0.1	1000	3.91	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	120	0.0	0.2	19.8	0.5	0.1	1000	3.91	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/03/23	180	0.0	0.2	19.8	0.5	0.1	1000	3.91	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	0	0.0	0.2	19.9	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	10	0.0	3.7	17.5	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	20	0.0	4.4	15.6	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	30	0.0	4.5	13.9	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	60	0.0	4.4	12.8	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	90	0.0	4.5	12.3	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	120	0.0	4.3	12.4	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/03/23	180	0.0	4.6	12.1	0.0	1.4	996	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	0	0.0	0.0	19.1	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	10	0.0	1.1	20.1	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	20	0.0	0.9	19.4	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	30	0.0	0.7	19.5	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	60	0.0	0.6	19.6	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	90	0.0	0.5	19.2	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	120	0.0	0.4	19.8	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	180	0.0	0.3	19.8	0.0	1.2	999	0.77	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07 - After bailing	06/03/23	0	0.0	0.0	19.8	4.0	0.0	1000	2.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	10	0.0	0.1	20.0	4.0	0.0	1000	2.66	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	20	0.0	0.1	20.0	4.0	0.0	1000	2.66	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	30	0.0	0.1	20.0	4.0	0.0	1000	2.66	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	60	0.0	0.1	20.0	4.0	0.0	1000	2.66	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	90	0.0	0.1	19.9	4.0	0.0	1000	2.66	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	120	0.0	0.2	19.9	4.0	0.0	1000	2.66	0.000	0.008	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	06/03/23	180	0.0	0.2	19.9	4.0	0.0	1000	2.66	0.000	0.008	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	0	0.0	0.9	19.8	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	10	0.0	2.6	19.2	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	20	0.0	3.2	19.0	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	30	0.0	3.1	18.8	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	60	0.0	3.1	18.5	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	90	0.0	3.2	18.5	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	120	0.0	3.2	18.2	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	180	0.0	3.2	18.6	0.0	0.9	998	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS08 - After bailing	06/03/23	0	0.0	0.1	19.2	3.0	0.1	998	1.66	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	10	0.0	0.1	19.5	3.0	0.1	998	1.66	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	20	0.0	0.1	19.7	3.0	0.1	998	1.66	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	30	0.0	0.2	19.8	3.0	0.1	998	1.66	0.000	0.006	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	60	0.0	0.2	19.5	3.0	0.1	998	1.66	0.000	0.006	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	90	0.0	0.3	19.8	3.0	0.1	998	1.66	0.000	0.009	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	120	0.0	0.2	19.8	3.0	0.1	998	1.66	0.000	0.006	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	06/03/23	180	0.0	0.3	19.6	3.0	0.1	998	1.66	0.000	0.009	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	0	0.0	0.1	19.9	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	10	0.0	0.0	20.1	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	20	0.0	0.0	20.1	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	30	0.0	0.0	20.0	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	60	0.0	0.0	20.0	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	90	0.0	0.0	20.0	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	120	0.0	0.0	20.0	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	180	0.0	0.0	20.0	0.0	0.1	1000	0.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09 - After bailing	06/03/23	0	0.0	0.0	20.1	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	10	0.0	0.0	20.1	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	20	0.0	0.0	20.1	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	30	0.0	0.0	19.9	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	60	0.0	0.0	20.0	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	90	0.0	0.1	19.9	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	120	0.0	0.1	19.9	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	06/03/23	180	0.0	0.1	19.9	0.0	0.0	999	4.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	0	0.0	0.1	19.9	-2.5	0.5	998	0.06	0.000	-0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	10	0.0	0.7	19.8	-2.5	0.5	998	0.06	0.000	-0.018	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	20	0.0	0.9	19.4	-2.5	0.5	998	0.06	0.000	-0.023	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	30	0.0	1.1	18.6	-2.5	0.5	998	0.06	0.000	-0.028	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	60	0.0	1.3	18.5	-2.5	0.5	998	0.06	0.000	-0.033	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	90	0.0	1.8	17.6	-2.5	0.5	998	0.06	0.000	-0.045	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	120	0.0	2.1	17.1	-2.5	0.5	998	0.06	0.000	-0.053	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	168	0.0	2.2	16.8	-2.5	0.5	998	0.06	0.000	-0.055	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10 - After bailing	06/03/23	0	0.0	0.0	20.7	5.1	1.1	999	0.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	10	0.0	0.1	19.6	5.1	1.1	999	0.48	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	20	0.0	0.1	20.1	5.1	1.1	999	0.48	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	30	0.0	0.1	20.1	5.1	1.1	999	0.48	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	60	0.0	0.2	20.0	5.1	1.1	999	0.48	0.000	0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	90	0.0	0.2	20.0	5.1	1.1	999	0.48	0.000	0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	120	0.0	0.2	20.0	5.1	1.1	999	0.48	0.000	0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	06/03/23	180	0.0	0.3	19.9	5.1	1.1	999	0.48	0.000	0.015	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	0	0.0	0.2	18.9	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	10	0.0	1.6	19.2	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	20	0.0	2.3	18.9	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	30	0.0	2.4	18.7	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	60	0.0	2.4	18.4	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	90	0.0	2.4	18.3	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	120	0.0	2.5	18.3	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	180	0.0	2.5	18.2	0.0	0.9	999	0.76	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land South of Mortimers Lane, Fair Oak
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS11 - After bailing	06/03/23	0	0.0	0.1	18.8	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	10	0.0	0.1	19.9	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	20	0.0	0.1	19.9	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	30	0.0	0.2	19.4	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	60	0.0	0.1	19.9	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	90	0.0	0.1	19.9	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	120	0.0	0.1	20.0	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	06/03/23	180	0.0	0.2	19.9	0.0	0.8	998	4.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	0	0.0	0.1	19.9	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	10	0.0	0.9	19.9	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	20	0.0	1.5	19.3	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	30	0.0	1.5	18.9	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	60	0.0	1.5	18.6	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	90	0.0	1.5	18.5	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	120	0.0	1.5	18.5	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	180	0.0	1.4	18.6	0.0	10.5	1000	0.44	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12 - After bailing	06/03/23	0	0.0	0.3	19.8	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	10	0.0	0.2	20.0	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	20	0.0	0.2	20.0	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	30	0.0	0.2	19.9	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	60	0.0	0.3	19.8	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	90	0.0	0.3	19.8	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	120	0.0	0.2	19.8	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	06/03/23	180	0.0	0.2	19.8	0.0	0.1	1000	3.63	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	11/04/23	0	Groundwater level monitoring only						0.89	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	11/04/23	0							0.72	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	11/04/23	0							0.48	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	11/04/23	0							0.73	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	11/04/23	0							0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	11/04/23	0							0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	11/04/23	0							0.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	11/04/23	0							0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	11/04/23	0							0.40	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	11/04/23	0							0.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	11/04/23	0							0.79	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	11/04/23	0							0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
Max values			5.4	7.2	21.2	6.4	14.3	1032.0	4.2	0.346	0.461	CS2	CS2	NO	NO	NO	AMBER 1	AMBER 2	GREEN	AMBER 1
Min Vaules			0.0	0.0	2.1	-2.5	0.0	992.0	0.0	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
BH Flow LoD check			5.4	7.2	21.2	0.1	-	-	-	0.005	0.007	CS1	CS1	NO	CH4>CS1 limit	CO2>CS1 limit	GREEN	AMBER 2	GREEN	AMBER 1

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	16/06/23	0	0.0	0.1	20.5	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	16/06/23	10	0.0	3.0	19.5	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	16/06/23	20	0.0	4.0	18.8	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	16/06/23	30	0.0	4.0	18.7	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	16/06/23	60	0.0	4.1	18.7	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	16/06/23	90	0.0	4.1	18.6	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	16/06/23	120	0.0	4.1	18.6	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	16/06/23	180	0.0	4.1	18.6	0.0	0.7	1011	1.31	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	0	0.0	0.1	20.6	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	10	0.0	1.6	20.3	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	20	0.0	1.9	19.9	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	30	0.0	1.9	19.8	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	60	0.0	1.9	19.7	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	90	0.0	1.9	19.7	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	120	0.0	1.9	19.7	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	16/06/23	180	0.0	1.9	19.7	0.0	2.2	1011	1.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	0	0.0	0.0	20.3	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	10	0.0	1.5	20.4	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	20	0.0	1.6	19.9	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	30	0.0	1.9	19.8	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	60	0.0	1.7	19.7	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	90	0.0	1.9	19.7	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	120	0.0	1.8	19.7	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	16/06/23	180	0.0	1.8	19.7	0.0	0.8	1011	1.95	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	0	0.0	0.0	20.7	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	10	0.0	3.6	19.1	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	20	0.0	4.4	18.1	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	30	0.0	4.5	18.0	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	60	0.0	4.5	16.0	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	90	0.0	4.6	17.9	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	120	0.0	4.6	17.9	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	16/06/23	180	0.0	4.6	17.9	0.0	1.4	1012	2.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	0	0.0	0.1	20.6	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	10	0.0	1.9	19.9	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	20	0.0	2.2	19.5	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	30	0.0	2.2	19.4	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	60	0.0	2.2	19.3	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	90	0.0	2.2	19.3	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	120	0.0	2.2	19.3	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	16/06/23	180	0.0	2.2	19.3	0.0	0.7	1013	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	16/06/23	0	0.0	0.0	21.0	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	16/06/23	10	0.0	2.2	20.4	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	16/06/23	20	0.0	2.5	19.9	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	16/06/23	30	0.0	2.5	19.9	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	16/06/23	60	0.0	2.6	19.7	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	16/06/23	90	0.0	2.6	19.7	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	16/06/23	120	0.0	2.6	19.7	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	16/06/23	180	0.0	2.6	19.7	0.0	0.3	1011	1.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	0	0.0	0.1	20.7	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	10	0.0	1.3	20.5	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	20	0.0	1.6	20.1	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	30	0.0	1.6	20.1	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	60	0.0	1.7	20.0	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	90	0.0	1.7	20.0	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	120	0.0	1.7	20.0	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	16/06/23	180	0.0	1.7	20.0	0.0	0.7	1012	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	16/06/23	0	0.0	0.0	21.4	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	16/06/23	10	0.0	4.8	17.5	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	16/06/23	20	0.0	6.2	16.4	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS08	16/06/23	30	0.0	6.4	16.3	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS08	16/06/23	60	0.0	6.4	16.2	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS08	16/06/23	90	0.0	6.5	16.2	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS08	16/06/23	120	0.0	6.5	16.1	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS08	16/06/23	180	0.0	6.5	16.1	0.0	0.6	1011	1.28	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS09	16/06/23	0	0.0	0.0	20.9	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	16/06/23	10	0.0	2.4	17.3	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	16/06/23	20	0.0	3.1	15.7	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	16/06/23	30	0.0	3.2	15.6	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	16/06/23	60	0.0	3.2	15.4	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	16/06/23	90	0.0	3.2	15.4	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	16/06/23	120	0.0	3.2	15.4	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	16/06/23	180	0.0	3.2	15.4	0.0	1.5	1012	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	0	0.0	0.0	21.7	-0.4	0.4	1011	0.51	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	10	0.0	0.3	21.3	-0.4	0.4	1011	0.51	0.000	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	20	0.0	0.4	20.7	-0.4	0.4	1011	0.51	0.000	-0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	30	0.0	0.5	20.6	-0.4	0.4	1011	0.51	0.000	-0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	60	0.0	0.7	20.2	-0.4	0.4	1011	0.51	0.000	-0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	90	0.0	0.9	19.7	-0.4	0.4	1011	0.51	0.000	-0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	120	0.0	1.1	19.1	-0.4	0.4	1011	0.51	0.000	-0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	180	0.0	1.8	18.3	-0.4	0.4	1011	0.51	0.000	-0.007	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	0	0.0	0.2	21.7	1.8	0.2	1011	0.87	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	10	0.0	0.1	21.7	1.8	0.2	1011	0.87	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	20	0.0	0.2	21.6	1.8	0.2	1011	0.87	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	30	0.0	0.2	21.5	1.8	0.2	1011	0.87	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	60	0.0	0.2	21.3	1.8	0.2	1011	0.87	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	90	0.0	0.2	21.2	1.8	0.2	1011	0.87	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	120	0.0	0.2	21.2	1.8	0.2	1011	0.87	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	16/06/23	180	0.0	0.3	21.1	1.8	0.2	1011	0.87	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	0	0.0	0.0	21.2	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	10	0.0	0.6	20.6	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	20	0.0	0.8	20.1	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	30	0.0	0.8	19.9	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS11	16/06/23	60	0.0	0.9	19.7	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	90	0.0	1.1	19.4	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	120	0.0	1.1	19.4	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	180	0.0	1.2	19.3	0.0	3.9	1011	0.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	0	0.0	0.0	20.8	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	10	0.0	0.0	21.7	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	20	0.0	0.0	21.4	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	30	0.0	0.0	21.2	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	60	0.0	0.0	21.2	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	90	0.0	0.1	21.2	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	120	0.0	0.1	21.2	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	16/06/23	180	0.0	0.1	21.2	0.0	0.3	1012	3.96	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	0	0.0	0.2	20.1	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	10	0.0	1.4	22.3	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	20	0.0	1.3	20.0	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	30	0.0	1.4	20.0	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	60	0.0	1.4	20.3	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	90	0.0	1.4	20.2	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	120	0.0	1.4	20.2	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	180	0.0	1.4	20.2	0.0	1.3	1010	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	0	0.0	0.1	21.5	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	10	0.0	0.1	21.9	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	20	0.0	0.1	21.5	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	30	0.0	0.1	21.4	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	60	0.0	0.2	21.1	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	90	0.0	0.2	21.1	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	120	0.0	0.3	21.0	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	16/06/23	180	0.0	0.3	20.9	0.0	0.6	1012	3.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	0	0.0	0.2	20.5	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	10	0.0	2.3	19.8	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	20	0.0	2.7	19.2	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	30	0.0	2.9	19.0	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	60	0.0	2.9	18.9	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	90	0.0	2.9	18.9	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	120	0.0	2.9	18.9	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/06/23	180	0.0	2.9	18.9	0.0	0.5	1016	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	0	0.0	0.2	21.0	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	10	0.0	0.5	20.3	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	20	0.0	1.6	19.9	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	30	0.0	1.6	19.9	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	60	0.0	1.6	20.0	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	90	0.0	1.6	19.8	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	120	0.0	1.6	19.7	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	23/06/23	180	0.0	1.6	19.7	0.0	1.1	1016	1.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/06/23	0	0.0	0.3	20.6	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/06/23	10	0.0	1.0	20.2	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS03	23/06/23	20	0.0	1.6	19.9	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/06/23	30	0.0	1.6	19.8	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/06/23	60	0.0	1.6	19.8	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/06/23	90	0.0	1.6	19.7	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/06/23	120	0.0	1.6	19.7	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/06/23	180	0.0	1.6	19.7	0.0	0.3	1016	2.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	0	0.0	0.0	20.9	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	10	0.0	3.1	19.6	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	20	0.0	3.8	19.1	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	30	0.0	3.9	18.6	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	60	0.0	3.9	19.1	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	90	0.0	3.9	18.9	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	120	0.0	3.9	18.9	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	23/06/23	180	0.0	3.9	18.9	0.0	0.9	1016	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	0	0.0	0.0	21.4	0.1	0.5	1017	1.21	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	10	0.0	0.9	20.9	0.1	0.5	1017	1.21	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	20	0.0	1.0	20.4	0.1	0.5	1017	1.21	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	30	0.0	1.1	20.4	0.1	0.5	1017	1.21	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	60	0.0	1.1	20.3	0.1	0.5	1017	1.21	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	90	0.0	1.1	20.2	0.1	0.5	1017	1.21	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	120	0.0	1.1	20.2	0.1	0.5	1017	1.21	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	23/06/23	180	0.0	1.2	20.1	0.1	0.5	1017	1.21	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	0	0.0	0.1	21.2	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	10	0.0	1.9	20.8	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	20	0.0	2.6	21.3	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	30	0.0	2.3	19.2	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	60	0.0	2.2	19.5	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	90	0.0	2.2	19.5	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	120	0.0	2.3	19.7	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	23/06/23	180	0.0	2.2	19.7	0.0	0.4	1016	1.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	0	0.0	0.0	20.3	0.1	1.0	1016	1.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	10	0.0	1.2	20.5	0.1	1.0	1016	1.11	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	20	0.0	1.6	20.2	0.1	1.0	1016	1.11	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	30	0.0	1.7	20.0	0.1	1.0	1016	1.11	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	60	0.0	1.6	20.1	0.1	1.0	1016	1.11	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	90	0.0	1.6	20.1	0.1	1.0	1016	1.11	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	120	0.0	1.6	20.0	0.1	1.0	1016	1.11	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	23/06/23	180	0.0	1.6	20.0	0.1	1.0	1016	1.11	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	0	0.0	0.0	20.7	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	10	0.0	4.6	17.8	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	20	0.0	4.7	17.7	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	30	0.0	4.7	17.6	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	60	0.0	4.7	17.6	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	90	0.0	4.7	17.5	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	120	0.0	4.8	17.5	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	23/06/23	180	0.0	4.8	17.5	0.0	0.5	1017	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS09	23/06/23	0	0.0	0.0	21.0	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/06/23	10	0.0	1.7	19.9	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/06/23	20	0.0	1.0	19.5	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/06/23	30	0.0	1.9	19.4	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/06/23	60	0.0	1.4	19.4	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/06/23	90	0.0	1.9	19.3	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/06/23	120	0.0	1.9	19.3	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/06/23	180	0.0	1.9	19.3	0.0	1.0	1017	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	0	0.0	0.3	21.3	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	10	0.0	0.6	21.2	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	20	0.0	0.8	20.5	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	30	0.0	0.8	20.4	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	60	0.0	0.8	20.4	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	90	0.0	0.8	20.3	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	120	0.0	0.8	20.3	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	180	0.0	0.8	20.3	0.0	1.6	1018	0.71	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	0	0.0	0.3	21.2	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	10	0.0	0.1	20.9	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	20	0.0	0.1	21.2	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	30	0.0	0.1	21.1	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	60	0.0	0.1	21.0	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	90	0.0	0.1	21.0	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	120	0.0	0.1	20.9	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	23/06/23	2180	0.0	0.2	21.0	0.0	0.2	1020	0.88	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	0	0.0	0.0	20.5	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	10	0.0	1.3	20.6	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	20	0.0	1.5	20.1	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	30	0.0	1.6	20.0	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	60	0.0	1.6	19.9	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	90	0.0	1.6	19.9	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	120	0.0	1.6	19.8	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	180	0.0	1.6	19.9	0.0	1.3	1018	0.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	0	0.0	0.0	20.7	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	10	0.0	0.0	21.7	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	20	0.0	0.0	21.4	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	30	0.0	0.0	21.2	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	60	0.0	0.0	21.2	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	90	0.0	0.0	21.1	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	120	0.0	0.0	21.1	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/06/23	180	0.0	0.1	21.0	0.0	0.3	1017	4.01	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	23/06/23	0	0.0	0.1	21.1	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	23/06/23	10	0.0	0.8	20.9	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	23/06/23	20	0.0	1.0	20.4	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	23/06/23	30	0.0	1.0	20.3	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	23/06/23	60	0.0	1.0	20.2	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	23/06/23	90	0.0	1.0	20.2	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS12	23/06/23	120	0.0	1.0	20.2	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	23/06/23	180	0.0	1.0	20.2	0.0	0.9	1018	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	0	0.0	0.0	20.6	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	10	0.0	1.8	20.0	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	20	0.0	2.4	19.1	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	30	0.0	2.4	18.9	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	60	0.0	2.4	18.9	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	90	0.0	2.4	18.9	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	120	0.0	2.4	18.8	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	10/07/23	180	0.0	2.4	18.8	0.0	0.8	1011	1.84	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	0	0.0	0.2	20.2	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	10	0.0	1.7	20.2	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	20	0.0	1.9	19.7	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	30	0.0	1.9	19.5	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	60	0.0	2.2	19.5	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	90	0.0	2.0	19.4	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	120	0.0	2.0	19.4	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	10/07/23	180	0.0	2.0	19.4	0.0	1.2	1011	1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	0	0.0	0.1	20.3	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	10	0.0	1.4	20.4	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	20	0.0	1.6	19.9	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	30	0.0	1.6	19.5	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	60	0.0	1.7	19.7	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	90	0.0	1.7	19.7	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	120	0.0	1.7	17.0	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	10/07/23	180	0.0	1.4	19.7	0.0	0.6	1011	2.41	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	0	0.0	0.1	20.8	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	10	0.0	2.3	20.2	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	20	0.0	3.0	19.4	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	30	0.0	3.0	19.3	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	60	0.0	3.1	19.3	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	90	0.0	3.1	19.3	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	120	0.0	3.1	19.3	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	10/07/23	180	0.0	3.1	19.3	0.0	0.7	1009	1.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	0	0.0	0.1	20.7	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	10	0.0	1.1	20.5	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	20	0.0	1.4	20.0	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	30	0.0	1.4	19.9	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	60	0.0	1.4	19.9	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	90	0.0	1.4	19.9	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	120	0.0	1.4	19.8	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	10/07/23	180	0.0	1.4	19.8	0.0	0.3	1010	1.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	10/07/23	0	0.0	0.1	20.8	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	10/07/23	10	0.0	1.5	20.4	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	10/07/23	20	0.0	1.7	19.4	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	10/07/23	30	0.0	1.8	19.7	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	10/07/23	60	0.0	1.8	19.6	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	10/07/23	90	0.0	1.8	19.6	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	10/07/23	120	0.0	1.8	19.6	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	10/07/23	180	0.0	1.8	19.6	0.0	0.5	1011	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	0	0.0	0.0	20.9	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	10	0.0	1.5	20.5	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	20	0.0	1.5	20.4	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	30	0.0	1.5	20.0	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	60	0.0	1.5	19.9	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	90	0.0	1.5	19.9	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	120	0.0	1.5	19.9	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	10/07/23	180	0.0	1.5	19.9	0.0	0.1	1011	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	0	0.0	0.0	20.8	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	10	0.0	2.4	19.7	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	20	0.0	3.1	18.8	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	30	0.0	3.2	18.6	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	60	0.0	3.3	18.5	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	90	0.0	3.3	18.5	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	120	0.0	3.3	18.5	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	10/07/23	180	0.0	3.3	18.5	0.0	1.1	1011	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	0	0.0	0.8	21.2	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	10	0.0	1.3	20.0	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	20	0.0	1.4	20.4	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	30	0.0	1.2	20.0	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	60	0.0	1.5	19.9	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	90	0.0	1.1	19.9	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	120	0.0	1.4	19.9	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	10/07/23	180	0.0	1.4	19.9	0.0	0.1	1011	1.81	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	0	0.0	0.2	20.8	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	10	0.0	0.5	21.0	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	20	0.0	0.9	19.8	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	30	0.0	0.7	20.7	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	60	0.0	0.8	20.3	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	90	0.0	0.8	20.3	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	120	0.0	0.8	20.3	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	10/07/23	180	0.0	0.8	20.3	0.0	2.3	1011	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	0	0.0	0.0	20.8	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	10	0.0	0.8	21.2	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	20	0.0	0.6	20.6	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	30	0.0	0.7	21.1	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	60	0.0	0.8	21.1	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	90	0.0	0.9	20.3	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	120	0.0	1.0	20.6	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	10/07/23	180	0.0	1.1	20.4	0.0	0.0	1012	1.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	10/07/23	0	0.0	0.0	20.8	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	10/07/23	10	0.0	0.7	21.0	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS12	10/07/23	20	0.0	0.8	20.5	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	10/07/23	30	0.0	0.8	20.4	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	10/07/23	60	0.0	0.8	20.3	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	10/07/23	90	0.0	0.8	20.3	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	10/07/23	120	0.0	0.8	20.3	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	10/07/23	180	0.0	0.8	20.3	0.0	0.0	1012	1.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	0	0.0	0.0	20.6	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	10	0.0	2.1	19.6	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	20	0.0	2.4	18.8	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	30	0.0	2.5	18.7	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	60	0.0	2.5	18.6	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	90	0.0	2.5	18.6	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	120	0.0	2.5	18.6	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/07/23	180	0.0	2.5	18.6	0.0	0.1	1005	1.92	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	0	0.0	0.1	20.0	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	10	0.0	1.5	20.2	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	20	0.0	1.8	19.5	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	30	0.0	1.8	19.4	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	60	0.0	1.9	19.3	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	90	0.0	1.9	19.3	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	120	0.0	1.8	19.3	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/07/23	180	0.0	1.9	19.3	0.0	0.3	1005	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	0	0.0	0.0	20.7	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	10	0.0	1.5	20.4	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	20	0.0	1.6	20.3	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	30	0.0	1.7	19.6	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	60	0.0	2.0	19.8	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	90	0.0	2.0	20.6	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	120	0.0	1.4	19.8	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/07/23	180	0.0	1.7	19.9	0.0	0.2	1006	2.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	0	0.0	0.0	20.7	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	10	0.0	2.2	20.2	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	20	0.0	2.6	19.4	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	30	0.0	2.7	19.3	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	60	0.0	2.7	19.3	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	90	0.0	2.8	19.1	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	120	0.0	2.7	19.2	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/07/23	180	0.0	2.7	19.2	0.0	0.4	1007	2.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	0	0.0	0.0	20.9	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	10	0.0	1.2	20.4	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	20	0.0	1.6	19.8	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	30	0.0	1.6	19.6	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	60	0.0	1.6	19.6	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	90	0.0	1.6	19.6	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	120	0.0	1.6	19.6	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/07/23	180	0.0	1.6	19.6	0.0	0.5	1007	1.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	21/07/23	0	0.0	0.0	20.7	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/07/23	10	0.0	1.6	20.1	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/07/23	20	0.0	1.9	19.5	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/07/23	30	0.0	1.9	19.4	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/07/23	60	0.0	1.9	19.3	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/07/23	90	0.0	1.9	19.3	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/07/23	120	0.0	1.9	19.3	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/07/23	180	0.0	1.9	19.3	0.0	0.3	1005	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	0	0.0	0.9	20.1	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	10	0.0	1.7	20.3	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	20	0.0	1.5	19.7	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	30	0.0	1.6	19.7	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	60	0.0	1.6	19.7	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	90	0.0	1.6	19.7	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	120	0.0	1.6	19.7	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	21/07/23	180	0.0	1.6	19.7	0.0	0.8	1006	1.42	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	0	0.0	0.2	20.2	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	10	0.0	2.3	19.5	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	20	0.0	3.1	18.5	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	30	0.0	3.1	18.3	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	60	0.0	3.2	18.2	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	90	0.0	3.2	18.2	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	120	0.0	3.1	18.1	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	21/07/23	180	0.0	3.2	18.2	0.0	0.5	1007	1.67	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	0	0.0	0.1	20.3	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	10	0.0	1.2	20.4	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	20	0.0	1.3	19.9	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	30	0.0	1.4	19.9	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	60	0.0	1.4	19.8	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	90	0.0	1.4	19.8	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	120	0.0	1.4	19.8	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	21/07/23	180	0.0	1.4	19.7	0.0	0.4	1007	1.87	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	0	0.0	0.1	20.4	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	10	0.0	0.9	20.9	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	20	0.0	0.9	20.3	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	30	0.0	0.9	20.1	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	60	0.0	0.9	20.1	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	90	0.0	0.9	20.1	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	120	0.0	0.9	20.1	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	21/07/23	180	0.0	0.9	20.0	0.0	0.7	1006	1.06	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/07/23	0	0.0	0.0	20.8	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/07/23	10	0.0	0.9	20.8	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/07/23	20	0.0	1.0	20.3	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/07/23	30	0.0	1.1	20.0	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/07/23	60	0.0	1.1	20.0	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/07/23	90	0.0	1.1	20.0	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS11	21/07/23	120	0.0	1.1	20.0	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	21/07/23	180	0.0	1.1	20.0	0.0	0.6	1007	1.07	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	0	0.0	0.0	20.6	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	10	0.0	0.8	20.7	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	20	0.0	0.9	20.2	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	30	0.0	0.9	20.1	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	60	0.0	0.6	20.0	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	90	0.0	0.9	19.6	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	120	0.0	0.8	19.8	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	21/07/23	180	0.0	0.9	20.0	0.0	0.6	1006	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	0	0.0	0.1	19.8	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	10	0.0	2.2	18.7	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	20	0.0	3.2	17.4	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	30	0.0	3.3	17.2	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	60	0.0	3.3	17.2	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	90	0.0	3.3	17.1	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	120	0.0	3.3	17.1	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/08/23	180	0.0	3.3	17.1	0.0		1009	2.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	0	0.0	0.1	20.2	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	10	0.0	1.6	19.8	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	20	0.0	1.7	17.9	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	30	0.0	1.9	16.9	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	60	0.0	1.7	19.0	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	90	0.0	4.9	15.2	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	120	0.0	4.8	19.3	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/08/23	180	0.0	1.8	19.0	0.0		1009	1.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	0	0.0	0.1	19.9	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	10	0.0	1.7	19.7	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	20	0.0	2.2	19.4	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	30	0.0	2.2	18.3	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	60	0.0	2.2	17.8	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	90	0.0	2.2	18.0	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	120	0.0	2.2	18.0	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/08/23	180	0.0	2.2	18.0	0.0		1009	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	0	0.0	0.0	20.3	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	10	0.0	1.7	20.0	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	20	0.0	2.7	18.7	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	30	0.0	2.7	18.5	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	60	0.0	2.8	18.4	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	90	0.0	2.8	18.4	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	120	0.0	2.8	18.4	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	04/08/23	180	0.0	2.8	18.3	0.0		1009	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/08/23	0	0.0	0.0	20.1	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/08/23	10	0.0	1.6	19.7	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/08/23	20	0.0	2.1	18.2	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/08/23	30	0.0	2.2	17.9	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	04/08/23	60	0.0	2.2	17.8	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/08/23	90	0.0	2.2	17.8	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/08/23	120	0.0	2.2	17.8	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/08/23	180	0.0	2.2	17.8	0.0		1010	1.64	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	0	0.0	0.2	20.6	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	10	0.0	1.3	19.1	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	20	0.0	1.2	17.3	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	30	0.0	1.3	17.4	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	60	0.0	2.5	17.1	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	90	0.0	2.4	17.1	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	120	0.0	2.5	17.1	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/08/23	180	0.0	2.5	17.1	0.0		1009	1.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	0	0.0	0.1	20.2	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	10	0.0	0.9	19.7	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	20	0.0	1.2	18.5	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	30	0.0	1.3	18.3	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	60	0.0	1.3	18.2	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	90	0.0	1.3	18.1	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	120	0.0	1.3	18.1	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	04/08/23	180	0.0	1.3	18.1	0.0		1010	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	0	0.0	0.1	19.7	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	10	0.0	2.5	18.3	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	20	0.0	4.2	17.0	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	30	0.0	4.4	16.8	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	60	0.0	3.8	16.7	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	90	0.0	3.6	16.4	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	120	0.0	4.1	16.9	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	04/08/23	180	0.0	3.7	16.5	0.0		1010	1.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	0	0.0	0.1	20.1	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	10	0.0	1.2	20.2	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	20	0.0	1.5	19.5	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	30	0.0	1.5	19.4	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	60	0.0	1.5	19.4	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	90	0.0	1.5	19.3	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	120	0.0	1.5	19.3	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/08/23	180	0.0	1.5	19.3	0.0		1011	1.94	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	0	0.0	0.9	20.9	-1.1		1011	0.63	0.000	-0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	10	0.0	1.0	20.3	-1.1		1011	0.63	0.000	-0.011	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	20	0.0	0.9	20.1	-1.1		1011	0.63	0.000	-0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	30	0.0	0.9	19.9	-1.1		1011	0.63	0.000	-0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	60	0.0	0.9	19.9	-1.1		1011	0.63	0.000	-0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	90	0.0	0.9	19.6	-1.1		1011	0.63	0.000	-0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	120	0.0	0.9	19.8	-1.1		1011	0.63	0.000	-0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	04/08/23	180	0.0	0.9	19.9	-1.1		1011	0.63	0.000	-0.010	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/08/23	0	0.0	0.0	20.5	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/08/23	10	0.0	0.8	20.4	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS11	04/08/23	20	0.0	1.3	19.6	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/08/23	30	0.0	1.4	19.5	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/08/23	60	0.0	1.4	19.5	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/08/23	90	0.0	1.4	19.4	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/08/23	120	0.0	1.4	19.4	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/08/23	180	0.0	1.4	19.4	0.0		1011	0.98	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	0	0.0	0.1	20.0	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	10	0.0	1.1	20.2	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	20	0.0	1.4	19.4	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	30	0.0	1.4	19.2	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	60	0.0	1.4	19.1	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	90	0.0	1.5	19.1	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	120	0.0	1.5	19.1	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	04/08/23	180	0.0	1.5	19.1	0.0		1011	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	0	0.0	0.0	20.3	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	10	0.0	3.2	17.5	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	20	0.0	3.9	16.3	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	30	0.0	4.0	16.1	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	60	0.0	4.0	15.9	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	90	0.0	4.0	15.9	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	120	0.0	4.0	15.9	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/08/23	180	0.0	4.0	15.9	0.0	0.0	1003	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	0	0.0	0.2	19.7	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	10	0.0	1.9	19.2	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	20	0.0	2.2	18.3	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	30	0.0	2.2	18.2	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	60	0.0	2.2	18.0	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	90	0.0	2.2	18.0	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	120	0.0	2.2	18.0	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/08/23	180	0.0	2.2	18.0	0.0	0.0	1003	1.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	0	0.0	0.0	20.7	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	10	0.0	2.4	18.3	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	20	0.0	3.1	16.8	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	30	0.0	3.2	16.6	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	60	0.0	3.2	16.5	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	90	0.0	3.2	16.5	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	120	0.0	3.2	16.5	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/08/23	180	0.0	3.2	16.5	0.0	0.0	1003	2.59	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	0	0.0	0.1	20.8	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	10	0.0	3.3	17.3	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	20	0.0	3.5	16.9	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	30	0.0	3.5	16.8	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	60	0.0	3.6	16.7	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	90	0.0	3.6	16.7	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	120	0.0	3.6	16.8	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/08/23	180	0.0	4.0	16.4	0.0	0.5	1005	2.32	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
 Ref: GE21215
 Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	24/08/23	0	0.0	0.0	20.7	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/08/23	10	0.0	2.0	18.2	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/08/23	20	0.0	2.4	16.6	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/08/23	30	0.0	2.5	16.3	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/08/23	60	0.0	2.6	16.2	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/08/23	90	0.0	2.6	16.2	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/08/23	120	0.0	2.6	16.2	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/08/23	180	0.0	2.6	16.2	0.0	0.1	1003	1.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	0	0.0	0.4	20.4	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	10	0.0	3.1	17.9	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	20	0.0	4.0	15.2	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	30	0.0	4.0	14.9	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	60	0.0	4.3	14.9	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	90	0.0	4.2	14.8	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	120	0.0	4.1	14.8	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/08/23	180	0.0	4.1	14.7	0.0	0.0	1003	1.86	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	0	0.0	0.3	19.9	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	10	0.0	2.2	17.8	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	20	0.0	2.5	16.5	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	30	0.0	2.6	16.3	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	60	0.0	2.6	16.1	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	90	0.0	2.6	16.1	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	120	0.0	2.6	16.1	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS07	24/08/23	180	0.0	2.7	16.1	0.0	0.8	1004	1.46	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	0	0.0	0.6	20.4	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	10	0.0	3.7	16.6	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	20	0.0	4.8	14.7	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	30	0.0	4.9	14.5	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	60	0.0	4.9	14.4	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	90	0.0	4.8	14.4	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	120	0.0	4.8	14.4	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS08	24/08/23	180	0.0	4.8	14.4	0.0	0.0	1003	1.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	0	0.0	0.0	20.6	0.0	1.1	1003	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	10	0.0	1.1	19.5	0.0	1.1	1003	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	20	0.0	2.0	17.9	0.0	1.1	1003	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	30	0.0	2.1	18.4	0.0	1.1	1003	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	60	0.0	2.1	18.4	0.0	1.1	1003	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	90	0.0	2.1	18.4	0.0	1.1	1003	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	120	0.0	2.1	18.4	0.0	1.1	1003	2.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	24/08/23	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/08/23	0	0.0	0.3	20.9	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/08/23	10	0.0	1.6	20.9	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/08/23	20	0.0	0.7	20.4	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/08/23	30	0.0	0.7	20.3	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/08/23	60	0.0	0.7	20.3	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/08/23	90	0.0	0.7	20.3	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Land south of Mortimers Lane, Fair Oaks
Ref: GE21215
Client: Bloor Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS10	24/08/23	120	0.0	0.7	20.5	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS10	24/08/23	180	0.0	0.7	20.4	0.0	1.3	1004	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	0	0.0	0.0	21.5	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	10	0.0	1.5	20.7	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	20	0.0	1.4	19.8	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	30	0.0	1.5	19.7	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	60	0.0	1.5	19.5	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	90	0.0	1.5	19.5	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	120	0.0	1.6	19.4	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	24/08/23	180	0.0	1.6	19.3	0.0	0.6	1004	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	0	0.0	1.4	19.7	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	10	0.0	1.9	19.3	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	20	0.0	2.0	18.6	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	30	0.0	2.2	18.5	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	60	0.0	2.1	18.4	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	90	0.0	2.1	17.5	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	120	0.0	2.1	18.5	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS12	24/08/23	180	0.0	2.1	18.5	0.0	0.3	1003	1.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
Max values			0.0	6.5	22.3	1.8	3.9	1020.0	4.0	0.000	0.117	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
Min Values			0.0	0.0	14.4	-1.1	0.0	1003.0	0.5	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
BH Flow LoD check			0.0	6.5	22.3	0.1	-	-	-	0.000	0.007	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1