

3931-04A/NR

15th May 2026

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206-208 DRAKE STREET, ROCHDALE – SOIL INFILTRATION TEST LETTER REPORT

Introduction

IGE Consulting were instructed in March 2026 to undertake soil infiltration tests at Drake Street, Rochdale for Great Places Housing Group.

The site is c. 0.33 Ha, located to the north of Drake Street, Rochdale, c. 0.5km south of Rochdale Town centre, at the approximate postcode OL16 1PJ. The National Ordnance Survey Grid Reference for the centre of the site is 389439E, 412859N. The approximate site boundary is shown on the below aerial photograph, highlighted in magenta. A site location plan is contained in Appendix 2.



Figure 1: Aerial image of the site. The approximate site boundary is highlighted in magenta.

The ground investigation works were undertaken on 19th March 2026 and comprised 4 No. trial pits, SA01 to SA03 (including SA02 and SA02a), 3 No. of which were utilised to perform soil infiltration tests. As groundwater was encountered in SA02, it was backfilled and a shallower trial pit, SA02a, was

constructed c. 2m to the east to undertake the soil infiltration test. Laboratory testing of the site soils was outside of the scope of this report. A factual report was to be provided to summarise the findings of this investigation. The limitations of the investigation work and report are included in Appendix 1.

Proposed Development

It is the client's intention to develop the site into a low-rise residential development comprising 26 No. dwellings consisting of 4 No. semi-detached dwellings and an apartment block with associated private gardens, soft landscaping and car parking.

A proposed development plan is contained in Appendix 2 with an extract below.



Figure 2: Extract of the Proposed Development Plan ('19146-PJA-00-ZZ-DR-A-1200-F - Proposed Site Plan'), dated December 2025.

Previous ground investigation works were undertaken between 13th August and 4th September 2024 and comprised 10 No. dynamic sample boreholes constructed to depths of 5.45m bgl (138.06m – 139.30m AOD). Information regarding this ground investigation can be found in the IGE Consulting *Phase 2 Geo-Environmental Investigation Report* (3931-02B, dated February 2026), however, the ground conditions encountered were noted to be Made Ground underlain by Glaciofluvial Deposits comprising sand and gravel.

Based on the findings of this ground investigation and proposed development plan, 3 No. soil infiltration test pits in-line with BRE 365 were undertaken on 19th March 2026, within areas where Sustainable Drainage Systems (SuDS) may be feasible.

Soil infiltration test depths were determined based on the depth that natural deposits were encountered, with tests undertaken at least 1m into the natural deposits, in this instance between 1.40m and 2.80m bgl (142.10m to 141.36m AOD). A factual report was to be provided to summarise the findings of this investigation. The limitations of the investigation work and report are included in Appendix 1.

Findings

The shallow ground conditions, though noted to vary across site, are generalised below:

- **Made Ground** comprising greyish brown, gravelly to very gravelly, slightly clayey to clayey, fine to coarse SAND to a depth of between 1.40m and 1.60m bgl (142.10 to 142.56m AOD), underlain by:
- **Glaciofluvial Deposits** comprising greyish brown and brown, gravelly to very gravelly, silty to very silty, fine to coarse SAND to a depth of between 2.60m and 2.80m bgl (141.27m to 141.36m AOD).

Obstructions were also noted during the construction of the trial pits, namely a suspected foundation encountered between 0.20m and 1.00m bgl (144.01m to 143.21m AOD) in SA01.

Water Strikes

No water strikes were recorded in any of the pits in which soil infiltration tests were undertaken. A slight ingress of water was recorded at the base of SA02 to a depth of 2.80m bgl, and so this pit was backfilled, relocated c. 2m to the east and re-excavated to a depth of 2.60m bgl (SA02a), where water was not encountered. Trial pit logs and photographs are contained in Appendix 3.

An exploratory hole location plan is contained within Appendix 2 and an extract is included below.



Figure 3: Extract of the exploratory hole location plan (SI-07).

Infiltration Testing

Soil infiltration tests in accordance with BRE 365 were undertaken in SA01, SA02a and SA03, located in the central and northern site sections, respectively. A singular run was successfully undertaken in SA01 and SA03 due to slow infiltration rates and 2 No. runs were achieved in SA02a. It should be noted that the soil infiltration rates for 3 No. of the tests highlighted in red below have been calculated by extrapolation. The following infiltration rates were recorded:

Exploratory Hole	Test Depth (m bgl)	Test No.	Soil Infiltration Rate (m/sec ²)
SA01	1.53 – 2.70	Test 1	2.074 x 10 ⁻⁵
SA02a	1.43 – 2.60	Test 1	8.592 x 10 ⁻⁵
	1.45 – 2.60	Test 2	1.173 x 10 ⁻⁴
SA03	1.70 – 1.90	Test 1	3.647 x 10 ⁻⁵

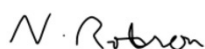
Following discussions with the client and drainage engineer, the use of soakaways is not deemed a suitable approach based on the proposed site levels and groundwater levels.

The soil infiltration test calculations are contained within Appendix 4.

If additional information is needed, do not hesitate to ask.

Yours sincerely,

Written By:



Noah Robson BSc (Hons)
Graduate Geo-Environmental Engineer

Checked and authorised by:



Angharad Jones BSc, FGS, MIEnvSoc, CEnv
Associate Director

Enc

Appendix 1 – Limitations of Report and Investigation Works

Appendix 2 – Figures & Drawings

Appendix 3 – Trial Pit Logs and Photographs

Appendix 4 – Soil Infiltration Test Calculation

APPENDIX 1

LIMITATIONS OF REPORT AND INVESTIGATION WORKS

LIMITATIONS OF REPORT

This consultancy report was compiled and carried out by IGE Consulting Limited ('IGE') for the client, as defined in the main report (the 'client'), on the basis of a defined programme and scope of works and the terms of a contract between IGE and the client. IGE undertook this with all reasonable skill and care, taking into account the limits of the scope of works required by the client, the prevailing site conditions, the time scale involved and the resources, including financial and manpower resources, agreed between IGE and the client. IGE cannot accept responsibility to any parties whatsoever, following the issue of this report, for any matters arising which may be considered outwith the agreed scope of works.

Unless otherwise agreed this report has been prepared exclusively for the use and reliance of the client in accordance with generally accepted consulting practices. This report may not be relied upon, or transferred to, by any other party without the written agreement of its author. If a third party relies on this report, it does so wholly at its own and sole risk and IGE disclaims any liability to such parties.

It is IGE's understanding that this report is to be used for the purpose described in the 'Brief' section of this report. That purpose was a significant factor in determining the scope and the services to be provided. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of, or reliance upon the report in those circumstances by the client without IGE's review and advice shall be at the client's sole and own risk.

The information contained in this report is protected by disclosure under Part 3 of the Environmental Information Regulations 2004 pursuant to the provisions of Regulation 12(5) without the consent in writing of a Director of IGE.

This report is a function of the date it was written and should be read in light of any subsequent changes in legislation, statutory requirements and industry practices. Ground conditions can also change over time and further investigations or assessment should be made if there is any significant delay in acting on the findings of this report. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of IGE. In the absence of such written advice of IGE, reliance on the report in the future shall be at the client's own and sole risk. Should IGE be requested to review the report in the future, IGE shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between IGE and the client.

The observations and conclusions described in this report are based solely upon the scope of works agreed between the client and IGE. IGE has not performed any observations, investigations, studies or testing not specifically set out or mentioned within this report. IGE is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the agreed scope of works. For the avoidance of doubt, this report is strictly limited to the nature of contamination contained within the ground and groundwater at the site. The report does not cover environmental aspects such as air or noise pollution and ground vibrations and the like. In addition, ecological matters relating to wildlife, flora and fauna have not been investigated as part of this report. In particular, the site has not been inspected for the presence or otherwise of invasive species (e.g. Japanese Knotweed). It is recommended that the client appoints a specialist in this subject to carry out a detailed inspection / survey of the site if its presence is suspected. Where mention has been made to the identification of asbestos or asbestos-containing materials this is for indicative purposes only and does not constitute or replace full and proper surveys.

LIMITATIONS OF INVESTIGATION WORK

Where field investigations have been carried out these have been restricted to a level of detail required to achieve the stated objectives of the work. Ground conditions can also be variable and as investigation excavations only allow examination of the ground at discrete locations, the potential exists for ground conditions to be encountered which are different to those considered in this report. The explored extent of the site area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition, chemical analysis was carried

out for a limited number of parameters, based on an understanding of the available operational and historical information, and it should not be inferred that other chemical species are not present.

The groundwater conditions entered on the exploratory hole records are those observed at the time of investigation. The normal speed of investigation usually does not permit the recording of an equilibrium water level for any one water strike. Moreover, groundwater levels are subject to seasonal variation or changes in local drainage conditions and higher groundwater levels may occur at other times of the year than were recorded during this investigation.

Exploratory Holes

Where exploratory holes have been carried out as part of this investigation, the spacing has been determined to provide a reasonable indication of the general ground conditions across the site, but the number has ultimately been limited by commercial constraints. The findings of the exploratory holes relate specifically to the exploratory hole locations and are no absolute guarantee of the ground conditions between such locations. Due allowance should be made for the possibility of variation in conditions between exploratory hole locations.

Extent of Contamination Testing

The extent of contaminated land testing carried out on samples obtained from the site has been determined in accordance with the latest legal guidance issued by the government to provide, with reasonable certainty, the probable general levels of contamination present on site that could pose a significant hazard to human health or waters. The extent of site investigation works including chemical testing has also been limited by reasonable commercial constraints. Although extensive testing of samples has been carried out, the volume of samples taken for testing are a minute fraction of the total volume of soils and groundwater present on site. Therefore, there is a residual risk that undetected pockets of contamination may be present on site, situated between testing locations.

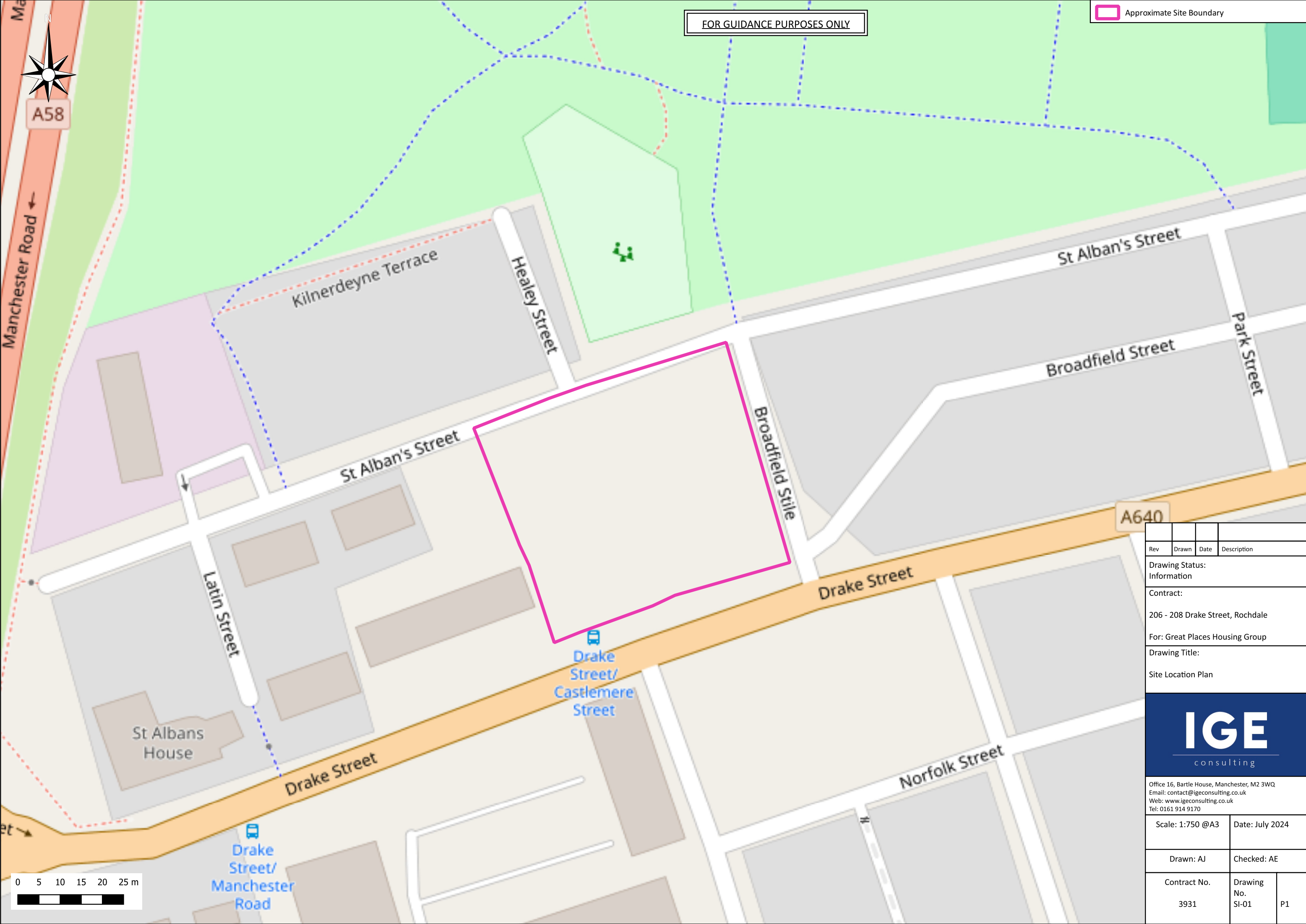
When investigating or developing potentially contaminated land it is important to recognise that sub-surface conditions may vary spatially and temporally. The absence of certain ground, ground gas, contamination or groundwater conditions at the positions tested is not a guarantee that such conditions do not exist anywhere across the site. Site sensitivity assessments have been made based on available information at the time of writing and are ultimately for the decision of the regulatory authorities. The conclusions resulting from this study are not necessarily indicative of future conditions or operating practices at or adjacent to the site.

Extent of Geo-Environmental Studies

This report is strictly limited to the nature of contamination contained within the ground and groundwater at the site. The report does not cover environmental aspects such as air or noise pollution and ground vibrations and the like. In addition, ecological matters relating to wildlife, flora and fauna have not been investigated as part of this report. In particular, the site has not been inspected for the presence or otherwise of invasive species e.g. Japanese Knotweed. It is recommended that the Client appoints a specialist in this subject to carry out a detailed inspection / survey of the site if its presence is suspected. Where mention has been made to the identification asbestos or asbestos-containing materials this is for indicative purposes only and does not constitute or replace a full and proper survey. If an Unexploded Ordnance (UXO) report has been obtained within the report, it has been so on the basis of Health and Safety concerns and no assessment has been made other than transcribing the recommendations of the sub-contractor contained within the report. In terms of a potential contaminative source, unless ordnance has been manufactured / stored on site, UXOs will only be determined as a contaminative source following a positive identification on site.

APPENDIX 2

FIGURES AND DRAWINGS



FOR GUIDANCE PURPOSES ONLY

Approximate Site Boundary

Rev	Drawn	Date	Description
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Drawing Status:
Information

Contract:

206 - 208 Drake Street, Rochdale

For: Great Places Housing Group

Drawing Title:

Site Location Plan

IGE

consulting

Office 16, Bartle House, Manchester, M2 3WQ
Email: contact@igeconsulting.co.uk
Web: www.igeconsulting.co.uk
Tel: 0161 914 9170

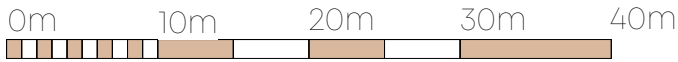
Scale: 1:750 @A3	Date: July 2024	
Drawn: AJ	Checked: AE	
Contract No. 3931	Drawing No. SI-01	P1



Notes: This drawing is the copyright Paddock Johnson Partnership Limited and may not be used without their prior written consent. Written dimensions to be taken in preference to scaled dimensions. Due to the inaccuracies of scanning, scanned images should not be scaled.

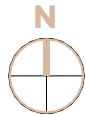
REV:	DATE:	DESCRIPTION:	BY:
A	15.01.26	Constraints indicated	CT
B	28.01.26	Issued for Comment	CT
C	02.02.26	Pre Application Status Issue	CT
D	11.03.26	Amendments following PreApp meeting	CT
E	13.03.26	Revised following client comments	CT
F	16.03.26	Revised following updated topographic survey	CT

Indicative Planting



VISUAL SCALE 1:500 @ A3

1 Proposed Site Plan
Scale: 1: 500



CLIENT:
Great Places Housing Group

PROJECT:
New Residential Development
Drake Street, Rochdale, OL16 1PJ

DRAWING TITLE:
Proposed Site Plan

DRAWING NUMBER:
19146-PJA-00-ZZ-DR-A-1200-F

STATUS:
PRE APPLICATION

\\pjdco1\Cubefiles\Generated Docs\1897\Drawings\PJA-00-ZZ-M3-A-9000\19146-PJA-00-ZZ-M3-A-9000-B.rvt

SCALE: DATE:
As 22.12.25
indicated@A3
BY: CHECKED:
CT MK

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FOR GUIDANCE PURPOSES ONLY

- Approximate Site Boundary
- Soil Infiltration Test Pits

Rev	Drawn	Date	Description
Drawing Status: Information			
Contract: 206 - 208 Drake Street, Rochdale			
For: Great Places Housing Group			
Drawing Title: Soil Infiltration Test Location Plan			
IGEconsulting			
1st Floor, 15 Oxford Court, Manchester, M2 3WQ Email: contact@igeconsulting.co.uk Web: www.igeconsulting.co.uk Tel: 0161 914 9170			
Scale: 1:300 @A3		Date: March 2026	
Drawn: NR		Checked: AJ	
Contract No. 3931	Drawing No. SI-07	P1	

APPENDIX 3

TRIAL PIT LOGS AND PHOTOGRAPHS

IGE consulting		Soakaway			SA01			
					Sheet 1 of 1			
		Hole Type SOAK	Easting 389429.48	Northing 412857.31	Ground Level (m) 144.21	Scale 1:20		
Project Name Drake Street		Project No. 3931		Start Date 2026-03-19		End Date 2026-03-19		
Client Great Places Housing Group Ltd.				Consultant IGE Consulting Ltd.		Contractor		
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth	Strata	
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description
					143.51	0.70		Dark brown very gravelly clayey fine to coarse SAND with high cobble content. Gravel is angular to subangular fine to coarse of red brick, concrete, plastic, asphalt and ceramic. Cobbles are angular to subangular of red brick, concrete and asphalt. [MADE GROUND] <i>Suspected footing encountered in eastern pit wall. (0.20 - 1.00m)</i>
						0.70		Greyish brown very gravelly very clayey fine to coarse SAND with low cobble content. Gravel is angular to subrounded fine to coarse of red brick, concrete, sandstone and mudstone. Cobbles are angular to subangular of red brick and concrete. [MADE GROUND]
						1.50		Brown silty fine to coarse SAND and subangular to well rounded fine to coarse GRAVEL of sandstone and mudstone. [GLACIOFLUVIAL DEPOSITS]
					142.71	1.50		<i>Cobble-sized inclusions of firm to stiff brown slightly gravelly sandy CLAY. (2.00 - 2.30m)</i>
					141.51	2.70	<i>End of Borehole at 2.70m</i>	
Remarks Terminated at target depth to undertake BRE 365 soil infiltration test.								
Method, Plant, Stability, Dimensions 0.00 - 2.70m SOAK JCB-3CX Stable during excavation. Orientation: 270° L = 1.90m W = 0.60m								
Logger NR								
Checked By: LM								

Hole Type SOAK	Easting 389429.48	Northing 412857.31	Ground Level (m) 144.21	Scale 1:20
Project Name Drake Street		Project No. 3931	Start Date 2026-03-19	End Date 2026-03-19

Client
Great Places Housing Group Ltd.

Consultant
IGE Consulting Ltd.

Contractor



Remarks
Terminated at target depth to undertake BRE 365 soil infiltration test.

Method, Plant, Stability, Dimensions

0.00 - 2.70m SOAK JCB-3CX
Stable during excavation.
Orientation: 270°

L = 1.90m

W = 0.60m

Logger

NR

Checked By: LM

IGE consulting		Soakaway			SA02				
		Sheet 1 of 1							
		Hole Type SOAK	Easting 389408.26	Northing 412870.17	Ground Level (m) 143.50	Scale 1:20			
Project Name Drake Street		Project No. 3931		Start Date 2026-03-19	End Date 2026-03-19				
Client Great Places Housing Group Ltd.			Consultant IGE Consulting Ltd.		Contractor				
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.80)		Dark greyish brown very gravelly clayey fine to coarse SAND with high cobble content. Gravel is angular to subangular fine to coarse of red brick, concrete, plastic, asphalt and ceramic. Cobbles are angular to subangular of red brick, concrete and asphalt. [MADE GROUND]	0.5
					142.70	0.80		Brownish grey gravelly clayey fine to coarse SAND with low cobble content. Gravel is angular to rounded fine to coarse of red brick, concrete, sandstone and mudstone. Cobbles are angular to subangular of red brick and concrete. [MADE GROUND]	1.0
					142.10	1.40		Greyish brown mottled light brown very gravelly silty fine to coarse SAND. Gravel is subangular to well rounded fine to coarse of sandstone and mudstone. [GLACIOFLUVIAL DEPOSITS]	1.5
					141.50	2.00		Brown very gravelly very silty fine to coarse SAND. Gravel is rounded to well rounded fine to coarse of sandstone and mudstone. [GLACIOFLUVIAL DEPOSITS]	2.0
						(0.80)			2.5
						140.70	2.80	End of Borehole at 2.80m	3.0
									3.5
									4.0
Remarks Terminated due to water strike.							Method, Plant, Stability, Dimensions 0.00 - 2.80m SOAK JCB-3CX Stable during excavation. Orientation: 280° L = 2.00m W = 0.60m		Logger NR
Checked By: LM									

Hole Type SOAK	Easting 389408.26	Northing 412870.17	Ground Level (m) 143.50	Scale 1:20
Project Name Drake Street	Project No. 3931	Start Date 2026-03-19	End Date 2026-03-19	

Client
Great Places Housing Group Ltd.

Consultant
IGE Consulting Ltd.

Contractor



Remarks
Terminated due to water strike.

Method, Plant, Stability, Dimensions

0.00 - 2.80m SOAK JCB-3CX
Stable during excavation.

Orientation: 280°

L = 2.00m

W = 0.60m

Logger

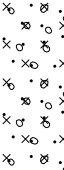
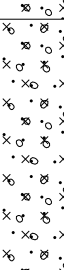
NR

Checked By: LM

IGE consulting				Soakaway SA02a Sheet 1 of 1																																																																																																						
Hole Type SOAK		Easting 412870.17		Northing 389408.26		Ground Level (m) 143.87		Scale 1:20																																																																																																		
Project Name Drake Street				Project No. 3931		Start Date 2026-03-19		End Date 2026-03-19																																																																																																		
Client Great Places Housing Group Ltd.				Consultant IGE Consulting Ltd.				Contractor																																																																																																		
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata																																																																																																			
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Checked By: LM																																																																																																										

Hole Type
SOAKEasting
389437.56Northing
412873.24Ground Level (m)
144.16Scale
1:20Project Name
Drake StreetProject No.
3931Start Date
2026-03-19End Date
2026-03-19Client
Great Places Housing Group Ltd.Consultant
IGE Consulting Ltd.

Contractor

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
					143.96	(0.20) 0.20		Dark brown very gravelly clayey fine to coarse SAND with high cobble content and frequent roots. Gravel is angular to subangular fine to coarse of red brick, concrete, plastic, asphalt and ceramic. Cobbles are angular to subangular of red brick, concrete and asphalt. [MADE GROUND]
					143.66	(0.30) 0.50		Greyish brown very gravelly clayey angular to subangular COBBLES of red brick and concrete. Gravel is angular to subangular of red brick, concrete, asphalt, plastic and ceramic. [MADE GROUND]
						(1.10)		Brown very gravelly silty fine to coarse SAND with moderate cobble content. Gravel is angular to subangular of red brick, concrete, asphalt, plastic and ceramic. Cobbles are angular to subangular of red brick and concrete. [MADE GROUND]
					142.56	1.60 (0.50)		Greyish brown mottled light brown very gravelly silty fine to coarse SAND. Gravel is angular to rounded fine to coarse of sandstone and mudstone. [GLACIOFLUVIAL DEPOSITS]
					142.06	2.10 (0.70)		Light brown very gravelly very silty fine to coarse SAND with occasional cobble-sized inclusions of gravelly very sandy SILT. Gravel is angular to well rounded fine to coarse of sandstone and mudstone. [GLACIOFLUVIAL DEPOSITS]
					141.36	2.80		End of Borehole at 2.80m

Remarks

Terminated at target depth to undertake BRE 365 soil infiltration test.

Method, Plant, Stability, Dimensions

0.00 - 2.80m SOAK JCB-3CX
Stable during excavation.

Orientation: 90°

L = 1.90m



W = 0.60m

Logger

NR

Checked By: LM

Hole Type SOAK	Easting 389437.56	Northing 412873.24	Ground Level (m) 144.16	Scale 1:20
Project Name Drake Street	Project No. 3931	Start Date 2026-03-19	End Date 2026-03-19	

Client
Great Places Housing Group Ltd.

Consultant
IGE Consulting Ltd.

Contractor



Remarks
Terminated at target depth to undertake BRE 365 soil infiltration test.

Method, Plant, Stability, Dimensions

0.00 - 2.80m SOAK JCB-3CX
Stable during excavation.

Orientation: 90°

L = 1.90m

W = 0.60m

Logger

NR

Checked By: LM

APPENDIX 4

SOIL INFILTRATION TEST CALCULATIONS

DETERMINATION OF SOIL INFILTRATION RATE (f)

Site Name: Drake Street
Job Number: 3931
Date: 19/03/2026
Exploratory Hole: SA01

15 Oxford Court
Manchester
M2 3WQ

Tel: 0161 914 9171
Email: contact@igeconsulting.co.uk
Web: www.igeconsulting.co.uk

Effective depth (m)	100% Full	75% Full	50% Full	25% Full
1.17	1.53	1.82	2.12	2.41

Time (mins)	Depth (m bgl)
0	1.53
1	1.54
2	1.54
3	1.55
4	1.56
5	1.56
6	1.56
8	1.57
10	1.58
16	1.61
37	1.66
86	1.73
112	1.76
128	1.77
180	1.83
233	1.92
612	2.41

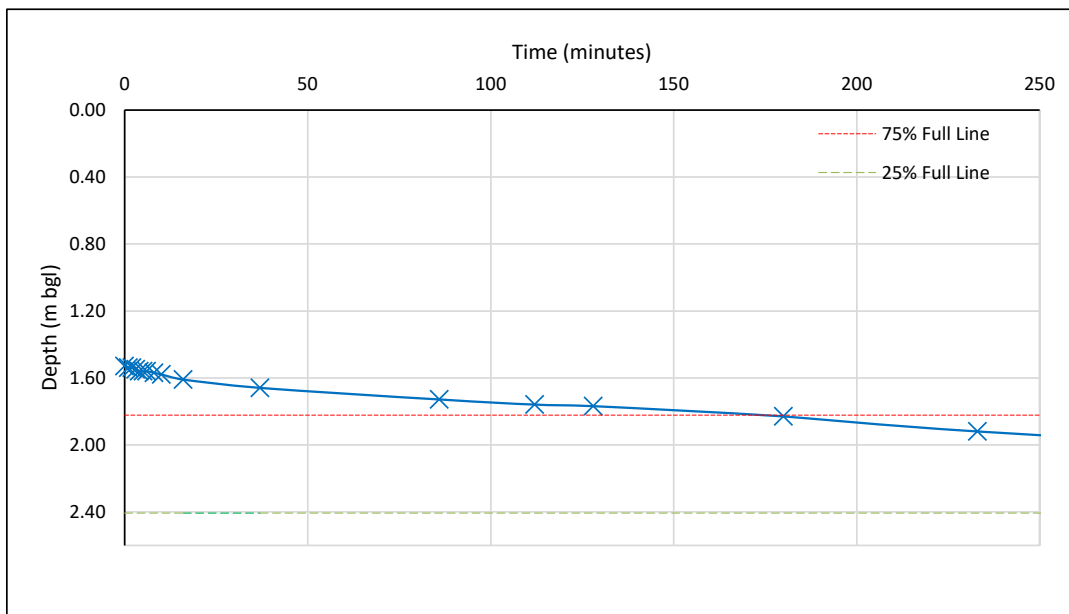
Pit dimensions (m):	
Length:	1.90
Width:	0.60
Depth:	2.70

Gravel used?	Yes
Void ratio of gravel fill =	0.3

Vp75-25 (m ³) =	0.67
ap50 (m ²) =	1.2195
tp75-25 (secs) =	26370
f (m/s) =	2.074E-05

Calculations carried out in accordance with
BRE 365

100 - calculated using extrapolation



IGE Consulting Ltd
Registered in England No 10780128



DETERMINATION OF SOIL INFILTRATION RATE (f)

Site Name: Drake Street

Job Number: 3931

Date: 19/03/2026

Exploratory Hole: SA02 - Run 1

 15 Oxford Court
 Manchester
 M2 3WQ

 Tel: 0161 914 9171
 Email: contact@igeconsulting.co.uk
 Web: www.igeconsulting.co.uk

Effective depth (m)	100% Full	75% Full	50% Full	25% Full
1.17	1.43	1.72	2.02	2.31

Time (mins)	Depth (m bgl)
0	1.43
1	1.44
2	1.45
3	1.47
4	1.48
5	1.49
6	1.50
8	1.52
10	1.57
18	1.63
27	1.68
39	1.77
75	2.09
102	2.20
120	2.25
139	2.31

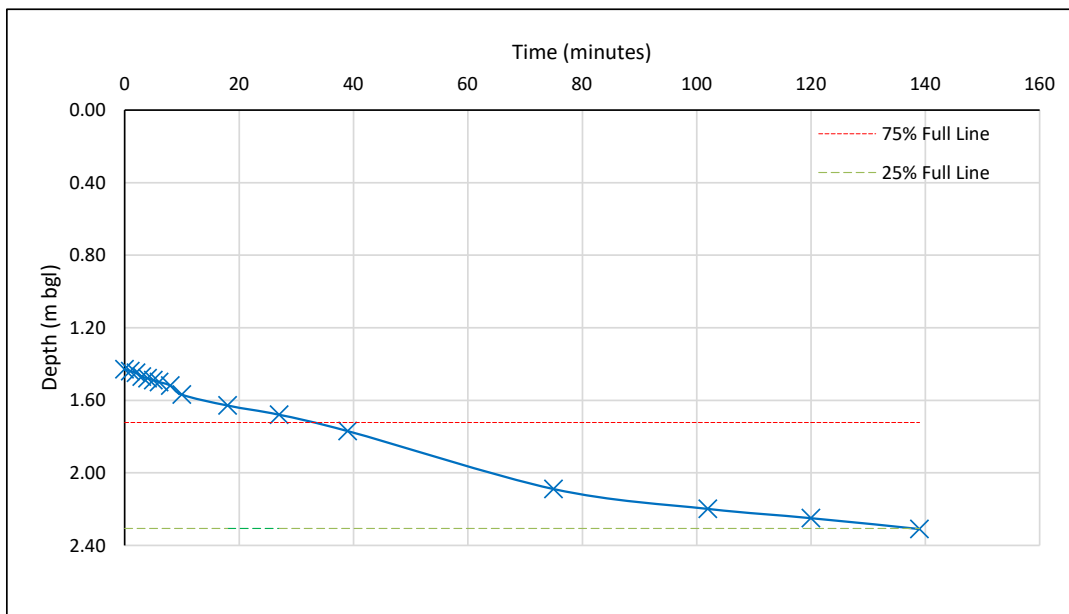
Pit dimensions (m):	
Length:	2.00
Width:	0.60
Depth:	2.60

Gravel used?	Yes
Void ratio of gravel fill =	0.3

Vp75-25 (m ³) =	0.70
ap50 (m ²) =	1.2726
tp75-25 (secs) =	6420
f (m/s) =	8.592E-05

 Calculations carried out in accordance with
 BRE 365

100 - calculated using extrapolation


 IGE Consulting Ltd
 Registered in England No 10780128


DETERMINATION OF SOIL INFILTRATION RATE (f)

Site Name: Drake Street

Job Number: 3931

Date: 19/03/2026

Exploratory Hole: SA02 - Run 2

 15 Oxford Court
 Manchester
 M2 3WQ

 Tel: 0161 914 9171
 Email: contact@igeconsulting.co.uk
 Web: www.igeconsulting.co.uk

Effective depth (m)	100% Full	75% Full	50% Full	25% Full
1.15	1.45	1.74	2.03	2.31

Time (mins)	Depth (m bgl)
0	1.45
1	1.47
2	1.48
3	1.49
4	1.50
5	1.50
6	1.51
8	1.52
10	1.53
22	1.58
78	1.98
90	2.07
113	2.25
122	2.31

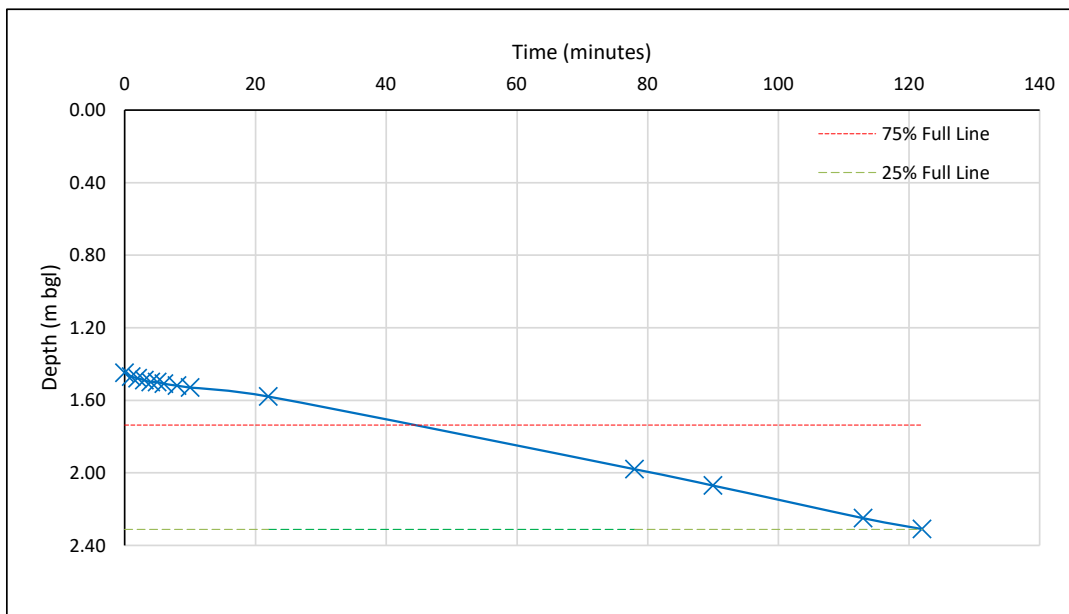
Pit dimensions (m):	
Length:	2.00
Width:	0.60
Depth:	2.60

Gravel used?	Yes
Void ratio of gravel fill =	0.3

Vp75-25 (m ³) =	0.69
ap50 (m ²) =	1.257
tp75-25 (secs) =	4680
f (m/s) =	1.173E-04

 Calculations carried out in accordance with
 BRE 365

100 - calculated using extrapolation


 IGE Consulting Ltd
 Registered in England No 10780128


DETERMINATION OF SOIL INFILTRATION RATE (f)

Site Name: Drake Street
 Job Number: 3931
 Date: 19/03/2026
 Exploratory Hole: SA03

15 Oxford Court
 Manchester
 M2 3WQ

Tel: 0161 914 9171
 Email: contact@igeconsulting.co.uk
 Web: www.igeconsulting.co.uk

Effective depth (m)	100% Full	75% Full	50% Full	25% Full
1.10	1.70	1.98	2.25	2.53

Time (mins)	Depth (m bgl)
0	1.70
1	1.71
2	1.72
3	1.72
4	1.73
5	1.74
6	1.74
8	1.74
10	1.75
24	1.78
63	1.90
109	2.00
154	2.11
210	2.22
343	2.53

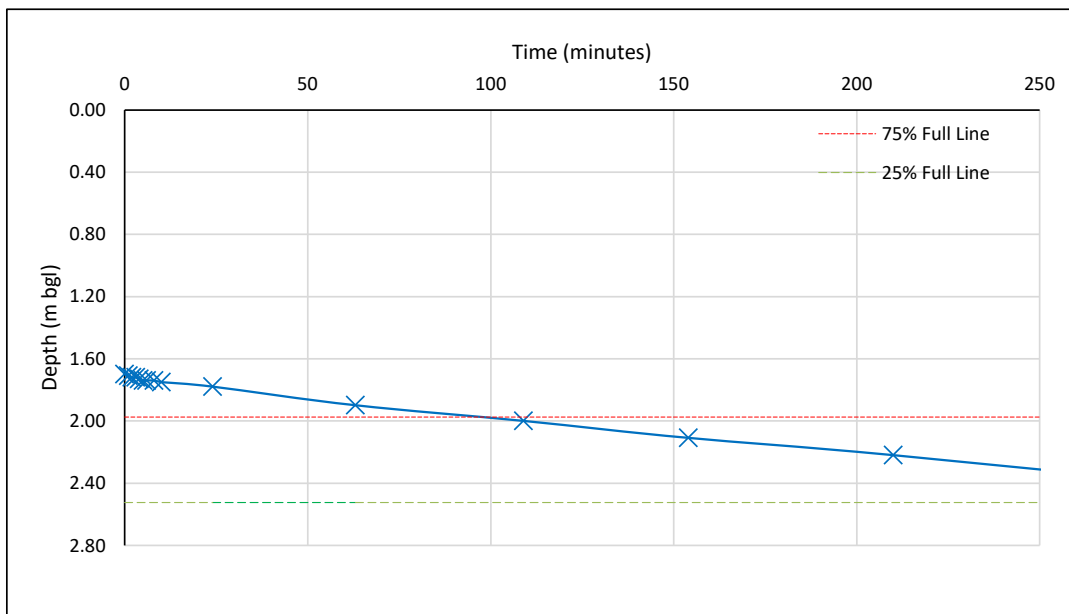
Pit dimensions (m):	
Length:	1.90
Width:	0.60
Depth:	2.80

Gravel used?	Yes
Void ratio of gravel fill =	0.3

$V_{p75-25} (m^3) =$	0.63
$ap_{50} (m^2) =$	1.167
$tp_{75-25} (secs) =$	14730
$f (m/s) =$	3.647E-05

Calculations carried out in accordance with
BRE 365

100 - calculated using extrapolation



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