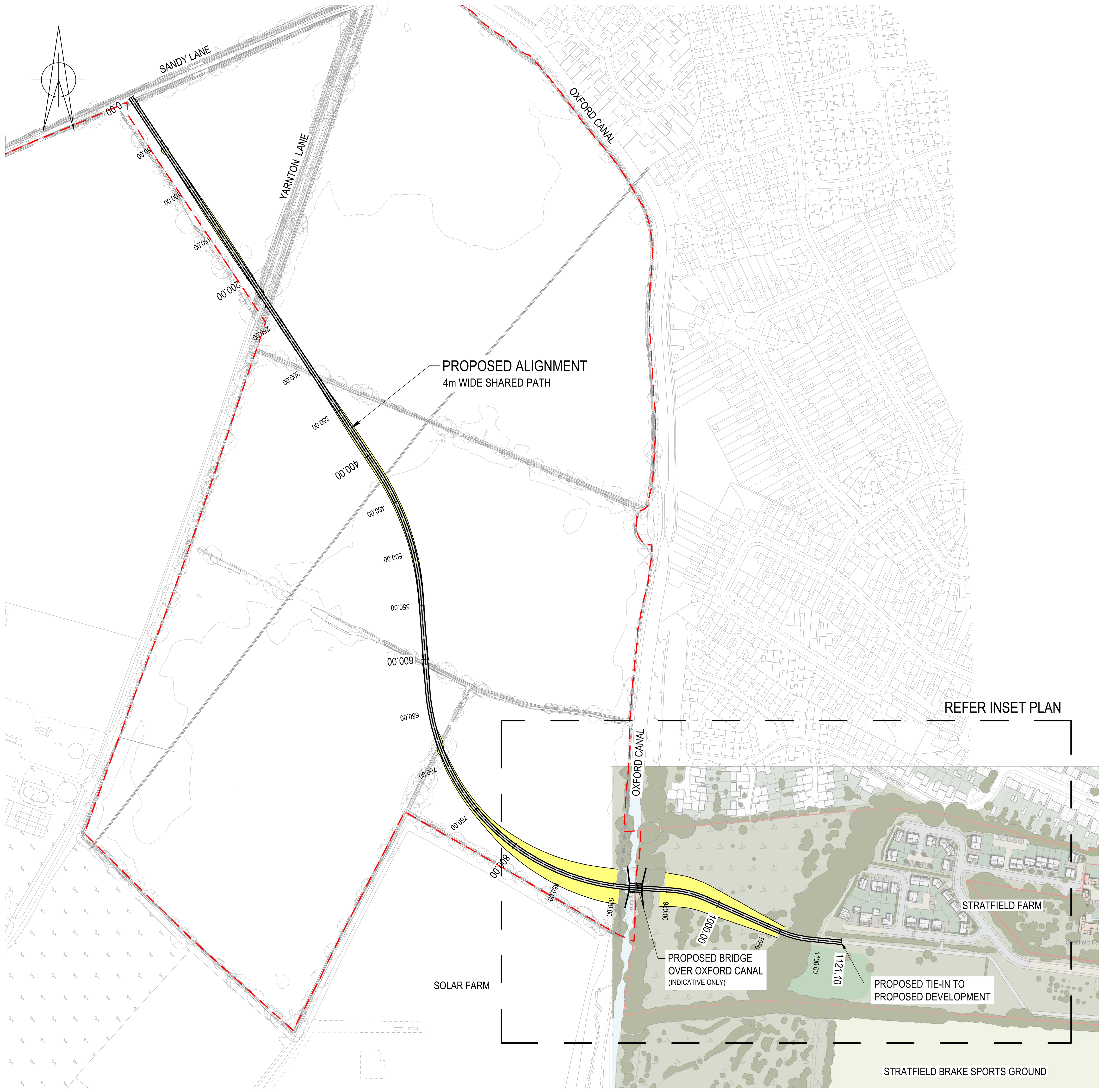
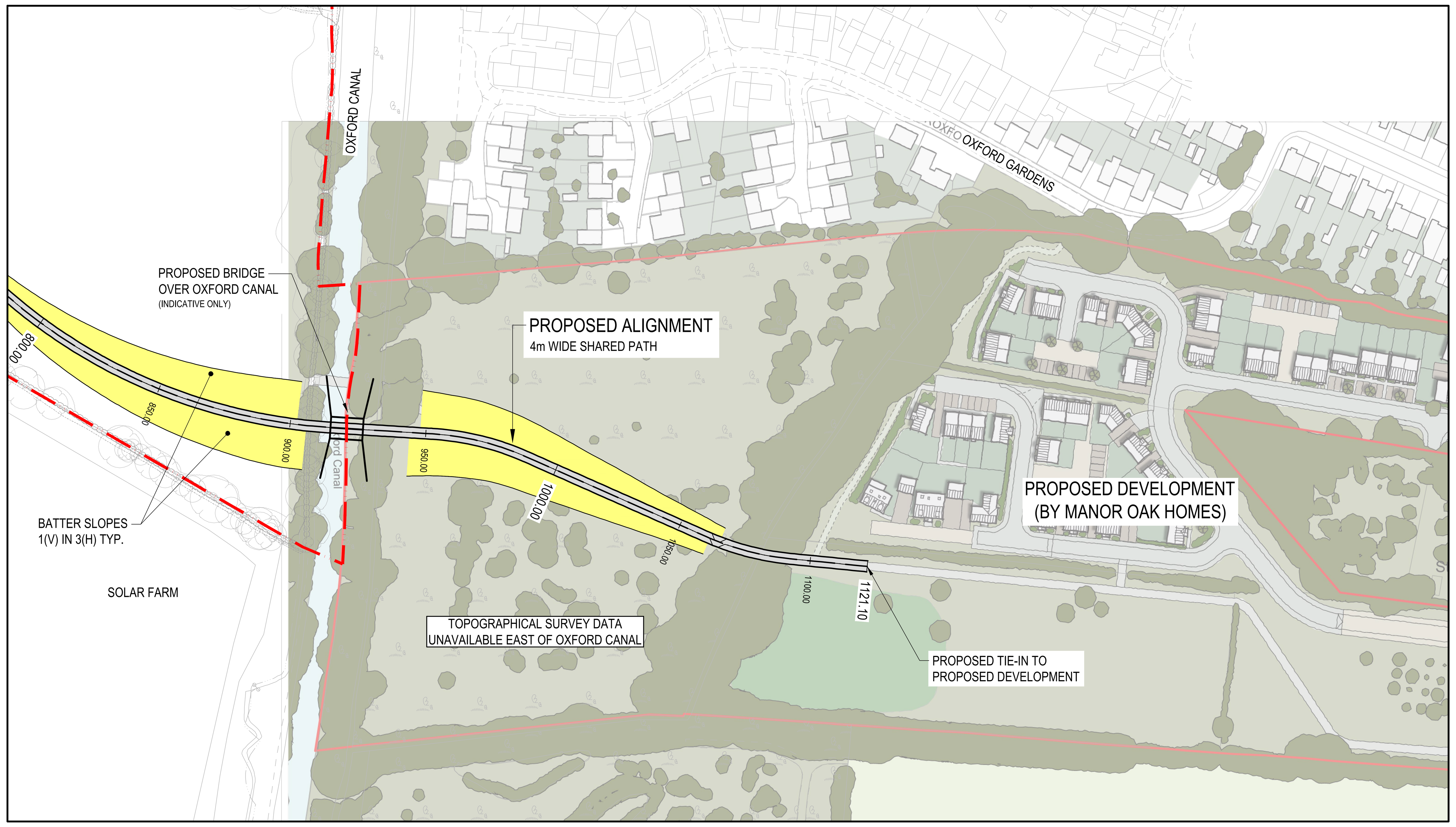
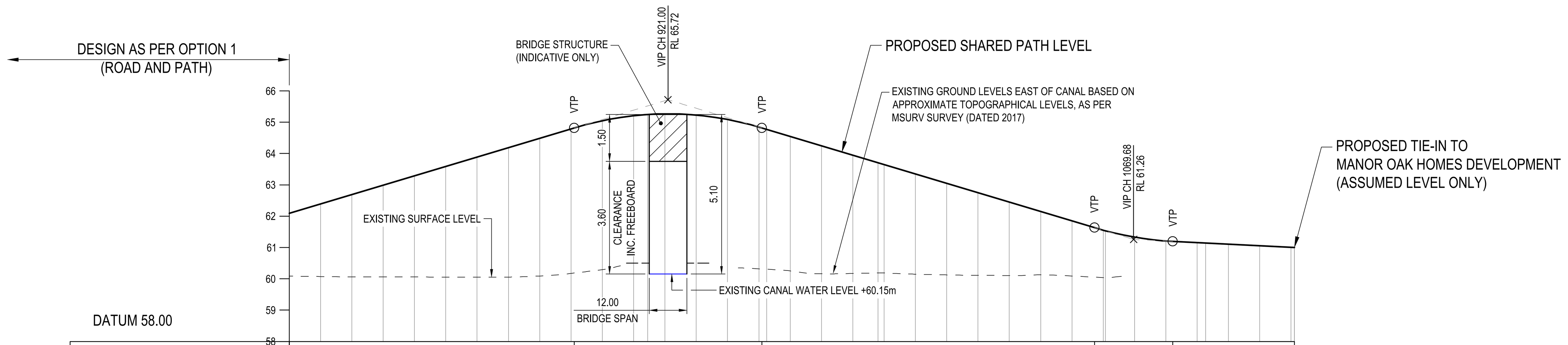


PLAN
SCALE 1:2000



INSET PLAN
SCALE 1:1000



VERTICAL GEOMETRY: G = 3.00%, L = 116.00m | R = 1000.00m, K = 10, L = 60.00m | G = -3.00%, L = 106.18m | R = 1000.00m, K = 10, L = 25.00m | G = -0.50%, L = 38.92m

HORIZONTAL GEOMETRY: R = 200.00m, L = 287.32m | L = 38.00m | R = 100.00m, L = 35.59m | L = 72.58m | R = 100.00m, L = 31.99m | L = 28.44m

CHAINAGE	PROPOSED SURFACE LEVEL	EXISTING SURFACE LEVEL
800.00	62.09	60.09
820.00	62.69	60.06
840.00	63.29	60.06
860.00	63.89	60.05
880.00	64.49	60.09
891.00	64.82	60.18
900.00	65.05	60.29
914.50	65.25	
920.00	65.27	
921.00	65.27	
940.00	65.09	
951.00	64.82	60.31
952.50	64.77	60.31
960.00	64.55	60.25
980.00	63.95	60.17
988.09	63.70	60.19
1000.00	63.35	60.15
1020.00	62.75	60.11
1040.00	62.15	60.13
1057.18	61.63	60.05
1060.00	61.55	60.04
1060.67	61.53	60.03
1069.68	61.34	
1080.00	61.21	
1082.18	61.19	
1092.66	61.14	
1100.00	61.11	
1120.00	61.01	
1121.10	61.00	

LONGITUDINAL SECTION - Stratfield Farm Path

HORZ SCALE 1: 1000
VERT SCALE 1: 100

SCALE BEFORE REDUCTION 1 : 100
SCALE BEFORE REDUCTION 1 : 1000
SCALE BEFORE REDUCTION 1 : 2000

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MAINTENANCE/CLEANING/OPERATION.

DECOMMISSIONING/DEMOLITION.

Rev	Description	Date	Iss'd	Rev'd	App'd
P02	ISSUED FOR INFORMATION	22.03.2023	D.G.	T.W.	T.W.
P01	ISSUED FOR INFORMATION	17.03.2023	D.G.	T.W.	T.W.

Project Stage: CONCEPT

Status of Drawing: INFORMATION

BURO HAPPOLD

17 Newman Street
London
W1T 1PD
UK
Tel: +44 (0)20 7927 9700
Fax: +44 (0)870 787 4145
Email: 0052188@burohappold.com
Web: www.burohappold.com

Client: *Oxford University Development (OUD) Ltd*
Architect: *HAWKINS BROWN*
Project: **BEGBROKE PARK**
Drg Title: PR7B SITE CONNECTION
OPTION 2 - SHARED PATH
PLAN & LONGITUDINAL SECTION

Job No.: 0052188
Scale@A0: AS SHOWN
Drawn/Designed By.: D.GROVER
Checked By.: T.WHITER
Approved By.: T.WHITER
Drawing No.: BEG-BUR-XX-XX-SK-CE-0005
Revision: P02

Daniel Grover P:\0052188 Begbroke Park Oxford - Root\08 Cities - Infra\01_Sheet\01_Sketch\BEG-BUR-XX-XX-SK-CE-0005_MOH_Site_Con_Opt_2.dwg

Appendix B Desk Study Research Information

Desk Study Photograph 1	
Date: 02/06/2021	
Direction Photograph Taken: West	
Description: Road Entrance to Begbroke Science Park	

Desk Study Photograph 2	
Date: 02/06/2021	
Direction Photograph Taken: North	
Description: Entrance to Field 3	

Desk Study Photograph 3	
Date: 02/06/2021	
Direction Photograph Taken: East	
Description: Entrance to field 17.	

Desk Study Photograph 4	
Date: 02/06/2021	
Direction Photograph Taken: North	
Description: Entrance to field 1.	

Desk Study Photograph 5	
Date: 02/06/2021	
Direction Photograph Taken: South	
Description: Entrance to field 18	

Desk Study Photograph 6	
Date: 02/06/2021	
Direction Photograph Taken: South	
Description: Overview of Field 18	

Desk Study Photograph 7	
Date: 02/06/2021	
Direction Photograph Taken: East	
Description: Field 4 southern boundary along Begbroke Science Park.	

Desk Study Photograph 8	
Date: 02/06/2021	
Direction Photograph Taken: North	
Description: Overhead Cables and track separating Field 4/5 and 2/3.	

Desk Study Photograph 9	
Date: 02/06/2021	
Direction Photograph Taken: West	
Description: Field 2	

Desk Study Photograph 10	
Date: 02/06/2021	
Direction Photograph Taken: East	
Description: Field 5	

Desk Study Photograph 11	
Date: 02/06/2021	
Direction Photograph Taken: North	
Description: Entrance to Figure 6	

Desk Study Photograph 12	
Date: 02/06/2021	
Direction Photograph Taken: East	
Description: Overview of Field 6	

Desk Study Photograph 13	
Date: 02/06/2021	
Direction Photograph Taken: North	
Description: Manhole cover associated with underground sewer	

Desk Study Photograph 14	
Date: 02/06/2021	
Direction Photograph Taken: North-west	
Description: General overview of Field 6.	

Desk Study Photograph 15	
Date: 02/06/2021	
Direction Photograph Taken: East	
Description: Overview of field 7.	

Desk Study Photograph 16	
Date: 02/06/2021	
Direction Photograph Taken: South	
Description: Field boundary over Rowel Brook between field 7 and 8.	

Desk Study Photograph 17	
Date: 02/06/21	
Direction Photograph Taken: East	
Description: Field 8 (north)	

Desk Study Photograph 18	
Date: 02/06/21	
Direction Photograph Taken: East	
Description: Field 8 (north)	

Desk Study Photograph 19	
Date: 02/06/21	
Direction Photograph Taken: South	
Description: Field 8.	

Desk Study Photograph 20	
Date: 02/06/21	
Direction Photograph Taken: South	
Description: Field 7 Overview	

Desk Study Photograph 21	
Date: 02/06/21	
Direction Photograph Taken: East	
Description: Looking east to Parkers Farm from Field 8.	

Desk Study Photograph 22	
Date: 02/06/21	
Direction Photograph Taken: South-west	
Description: Overview of Field 9	

Desk Study Photograph 23	
Date: 02/06/21	
Direction Photograph Taken: East	
Description: East towards Parkers Farm and railway line.	

Desk Study Photograph 24	
Date: 02/06/21	
Direction Photograph Taken: South-west	
Description: Overview of field 17	

Desk Study Photograph 25	
Date: 02/06/21	
Direction Photograph Taken: South	
Description: Overview of Field 11.	

Desk Study Photograph 26	
Date: 02/06/21	
Direction Photograph Taken: South	
Description: Overview of field 12 / 13	

Desk Study Photograph 27	
Date: 19/08/21	
Direction Photograph Taken: Looking south from the site entrance	
Description: Site from the entrance, large boulder in foreground. (Landfill)	

Desk Study Photograph 28	
Date: 19/08/21	
Direction Photograph Taken: Looking north from southern site boundary.	
Description: Site from the southern boundary. (Landfill)	

Desk Study Photograph 29	
Date: 19/08/21	
Direction Photograph Taken: Looking east from western site boundary.	
Description: Site from the western site boundary. Trees on eastern boundary. (Landfill)	

Desk Study Photograph 30	
Date: 19/08/21	
Direction Photograph Taken: Looking south.	
Description: Showing the south western corner of site and overhead lines on the western boundary. (Landfill)	

Desk Study Photograph 31	
Date: 19/08/21	
Direction Photograph Taken: Looking north east.	
Description: Showing the north eastern corner of the site. (Landfill)	

Desk Study Photograph 32	
Date: 19/08/21	
Direction Photograph Taken: Looking south.	
Description: Showing the southern site boundary. (Landfill)	

Zetica UXB Risk Maps

UNEXPLODED BOMB RISK MAP

SITE LOCATION

Map Centre: 448145,213158

LEGEND

- **High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- **Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- **Low:** Areas indicated as having 15 bombs per 1000acre or less.

miltary | **industry** | **UXO find**
transport | **dock** | **Luftwaffe targets**
utilities | **Bombing decoy** | **other**

How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: **(https://zeticauxo.com/downloads-and-resources/risk-maps/)**

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It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

Radon Reports

GeoReports

British Geological Survey

Kate Hayward
Hydrock
Over Court Barns
Over Lane
Almondsbury
Bristol
BS32 4DF

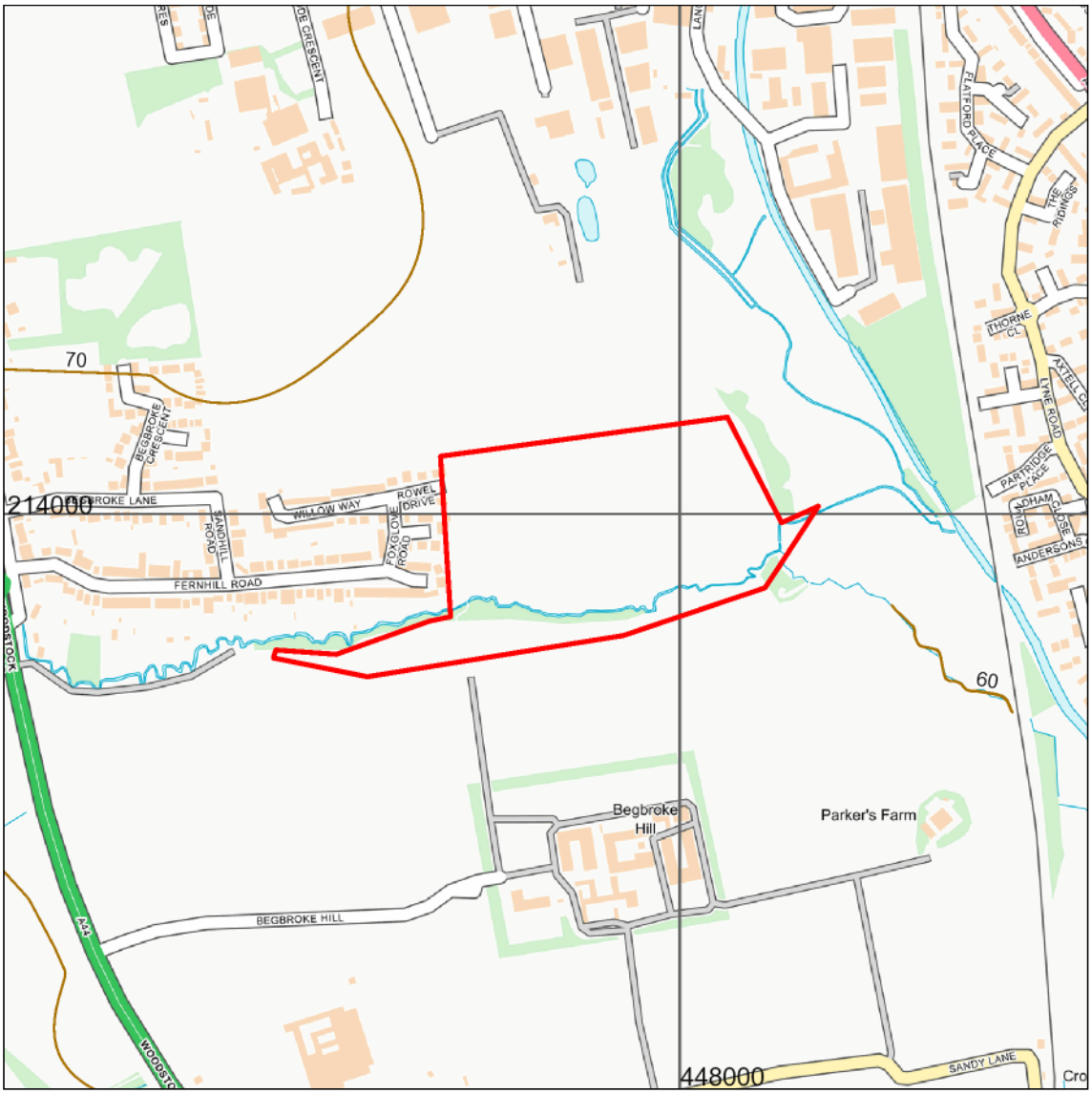
Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: *BGS_331991/43780*

Client reference: Begbroke

Search location



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Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

1. No protective measures
2. Basic protective measures
3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition), which also provides guidance on what to do if the* result *indicates that protective measures are required.*

Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?

FULL RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition).* Additional information and guidance is available from the Building Research Establishment website (http://www.bre.co.uk/radon/).

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The UKHSA provides a radon testing service which can be accessed at www.ukradon.org or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.

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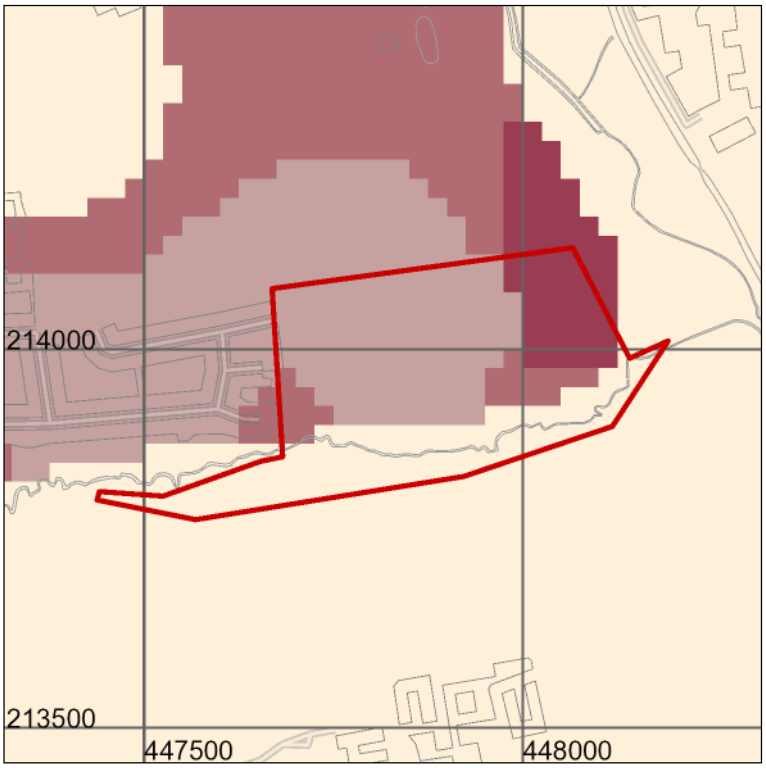
Radon Affected Area



	% Homes estimated to be at or above the action level
	0-1%
	1-3%
	3-5%
	5-10%
	10-30%
	30-100%

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Scale: 1:10 000 (1cm = 100 m)
Search area indicated in red

Is the property in a radon Affected Area as defined by the UK Health Security Agency (UKHSA) and if so what percentage of homes are estimated to be at or above the Action Level? YES

Additional Information

THE PROPERTY IS IN A RADON AFFECTED AREA WHERE 10 TO 30% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL.

The UKHSA recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m^{-3}) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to be at or above the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a high radon level within the property; the only way to determine the radon level is to carry out a radon measurement.

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The UKHSA advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels at or above the Action Level (200 Bq m^{-3}) should be remediated. Householders with levels between the Target Level (100 Bq m^{-3}) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. The UKHSA provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a “Radon Affected Area” as identified by the UKHSA. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were at or above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from the UKHSA at www.ukradon.org.

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What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.
Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}). The Government advises householders that, where the radon level is at or above the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations 2017 require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293)**: Radon in the workplace.** BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.ukwebsite: www.brebookshop.com

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Contact Details

Keyworth Office
British Geological Survey
Environmental Science Centre
Nicker Hill
Keyworth
Nottingham
NG12 5GG
Tel: 0115 9363143
Email: enquiries@bgs.ac.uk

Wallingford Office
British Geological Survey
Maclean Building
Wallingford
Oxford
OX10 8BB
Email: enquiries@bgs.ac.uk

Edinburgh Office
British Geological Survey
Lyell Centre
Research Avenue South
Edinburgh
EH14 4AP
Tel: 0131 6671000
Email: enquiry@bgs.ac.uk

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Ordnance Survey

Report issued by
BGS Enquiry Service

GeoReports

British Geological Survey

Kate Hayward
Hydrock
Over Court Barns
Over Lane
Almondsbury
Bristol
BS32 4DF

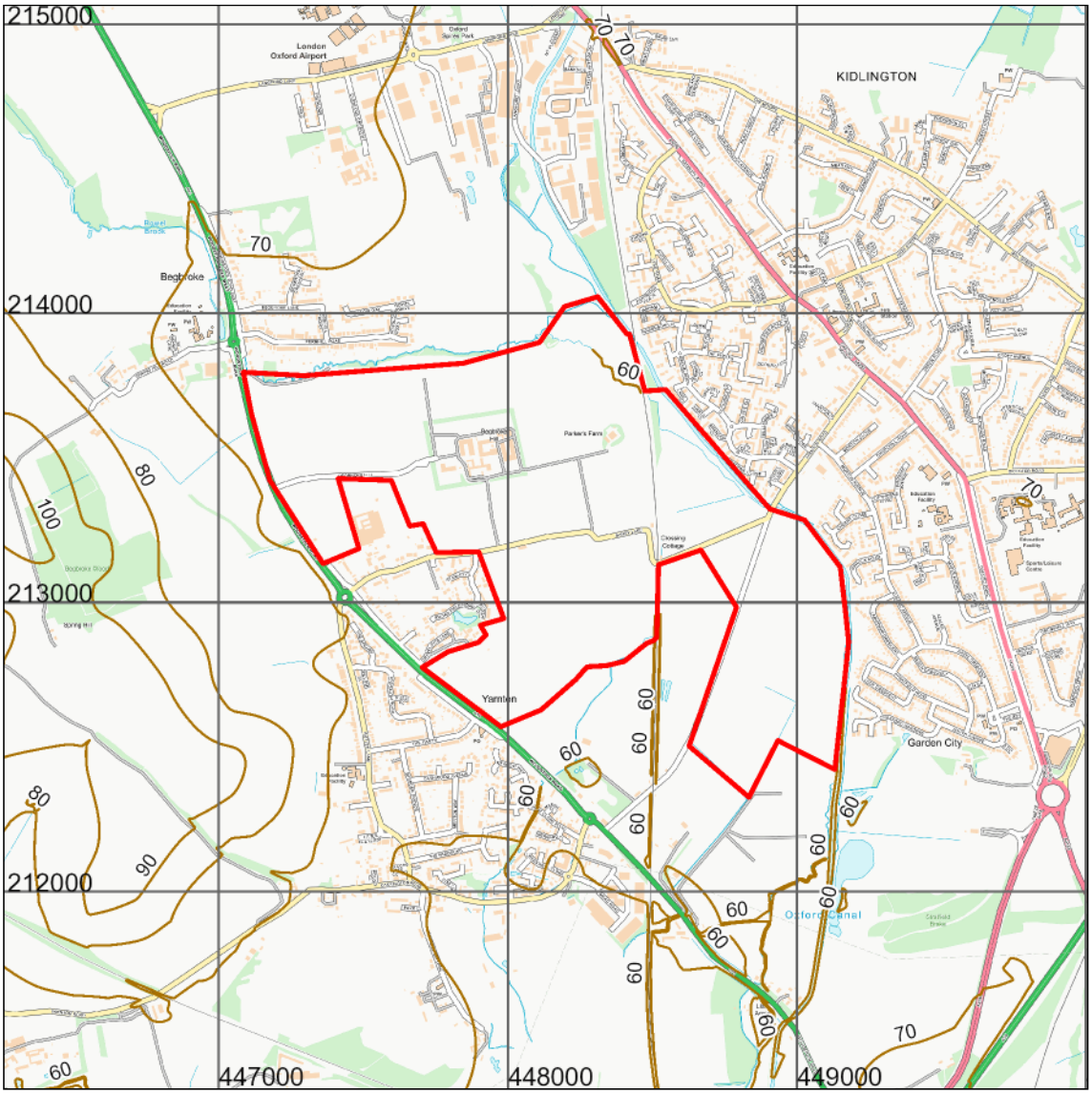
Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: ***BGS_331991/43779***

Client reference: Begbroke

Search location



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Radon Report: UK

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1. No protective measures
2. Basic protective measures
3. Full protective measures

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Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition), which also provides guidance on what to do if the* result *indicates that protective measures are required.*

Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?

NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition).* Additional information and guidance is available from the Building Research Establishment website (http://www.bre.co.uk/radon/).

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If you require further information or guidance, you should contact your local authority building control officer or approved inspector.

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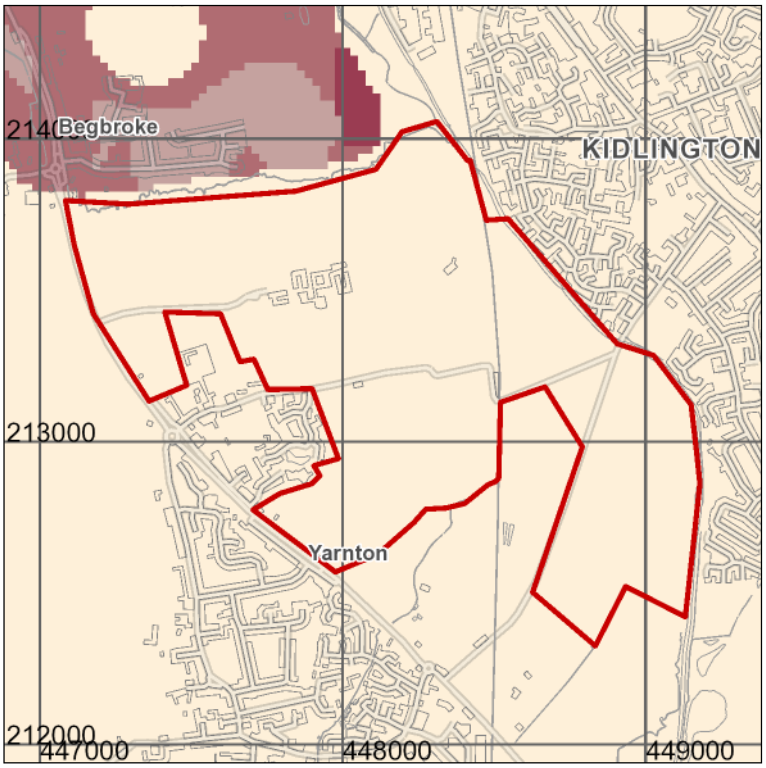
Radon Affected Area



	% Homes estimated to be at or above the action level
	0-1%
	1-3%
	3-5%
	5-10%
	10-30%
	30-100%

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Search area indicated in red

Is the property in a radon Affected Area as defined by the UK Health Security Agency (UKHSA) and if so what percentage of homes are estimated to be at or above the Action Level? **NO**

Additional Information

THE PROPERTY IS IN AN AREA WHERE LESS THAN 1% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL. THE PROPERTY IS NOT IN A RADON AFFECTED AREA.

The UKHSA recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m^{-3}) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to be at or above the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a high radon level within the property; the only way to determine the radon level is to carry out a radon measurement.

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The UKHSA advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels at or above the Action Level (200 Bq m^{-3}) should be remediated. Householders with levels between the Target Level (100 Bq m^{-3}) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. The UKHSA provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a “Radon Affected Area” as identified by the UKHSA. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were at or above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from the UKHSA at www.ukradon.org.

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What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.
Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}). The Government advises householders that, where the radon level is at or above the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations 2017 require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293)**: Radon in the workplace.** BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.ukwebsite: www.brebookshop.com

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Contact Details

Keyworth Office
British Geological Survey
Environmental Science Centre
Nicker Hill
Keyworth
Nottingham
NG12 5GG
Tel: 0115 9363143
Email: enquiries@bgs.ac.uk

Wallingford Office
British Geological Survey
Maclean Building
Wallingford
Oxford
OX10 8BB
Email: enquiries@bgs.ac.uk

Edinburgh Office
British Geological Survey
Lyell Centre
Research Avenue South
Edinburgh
EH14 4AP
Tel: 0131 6671000
Email: enquiry@bgs.ac.uk

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Ordnance Survey

Report issued by
BGS Enquiry Service

Reports prepared by others

White Young Green Limited February 2018. 'Rushy Meadows SSSI-Hydrological & Hydrogeological Desk Top Study (DTS)'. Ref: A106710, undertaken for Cherwell District Council.

Jubb Consulting Engineers Limited December 2019. 'Land at Begbroke, Begbroke. Ground Conditions Assessment Report', Ref: 18182-DTS-011, undertaken for Begbroke Tripartite, Oxfordshire

Jubb Consulting Engineers Limited December 2019. 'Land at Begbroke, Begbroke. Ground Conditions Assessment Report', Ref: 18182-GCA-1 undertaken for Begbroke Tripartite, Oxfordshire.

The above documents are not included to reduce the file size but available on request.

White Young Green Limited February 2018. 'Rushy Meadows SSSI-Hydrological & Hydrogeological Desk Top Study (DTS)'. Ref: A106710

Cherwell District Council

Rushy Meadows SSSI – Hydrological & Hydrogeological Desk Top Study (DTS)

February 2018

Hydrock

Jubb Consulting Engineers Limited December 2019. ‘Land at Begbroke, Begbroke. Ground Conditions Assessment Report’, Ref: 18182-DTS-011.

Phase 1 Desk Study Report

Land at Begbroke, Oxfordshire

PREPARED BY:	FOR:	DATE:	REFERENCE:
Jubb Consulting Engineers Ltd.	The Tripartite	May 2018	18182-DTS-01

Jubb Consulting Engineers Limited December 2019. 'Land at Begbroke, Begbroke. Ground Conditions Assessment Report', Ref: 18182-GCA-1.

Ground Conditions Assessment Report

Begbroke Tripartite, Oxfordshire

Jubb

PREPARED BY:	FOR:	DATE:	REFERENCE:
Jubb Consulting Engineers Ltd.	Begbroke Tripartite	December 2019	18182-GCA-1

Appendix C Exploratory Hole Logs and Photographs

Exploratory Hole Logs

Hydrock	Project: Begbroke	Borehole No BH01 Page No. 1 of 1

Method: Cable Percussion	Date(s): 18/08/2021	Logged By: MA	Drilled By: PJ Drilling
Client: Oxford University Development	Co-ords: 448092.91, 213195.88	Checked By: NT	Flush:
Hydrock Project No: C-19114-C	Ground Level: 67.66m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Dark brown silty slightly gravelly SAND with high root content. Gravel is sub-angular to sub-rounded fine and medium flint and sandstone. (TOPSOIL - MADE GROUND)	0.30	(0.30)	67.36		
0.50 0.50	B ES			Firm yellowish greyish brown slightly sandy CLAY with rare gravels of sub-angular fine coal. (MADE GROUND - GENERAL)	0.60	(0.30)	67.06		
1.00	D			Greyish brown silty gravelly SAND. Gravel sized fragments of medium and coarse angular concrete and brick with frequent plastic bottles, glass bottles, plastic wrappers and scrap metal. (LANDFILL - MADE GROUND)					
1.50	ES								
2.00	D					(2.70)			
2.50	ES								
3.00	D				3.30		64.36		
3.50 3.50	B ES			Yellowish brown sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)		(0.70)			
4.00 4.00 4.00	B D ES			Firm very thinly laminated grey sandy CLAY with rare lithorelics of sub-rounded fine mudstone. (OXFORD CLAY FORMATION)	4.00		63.66		
5.00	D					(2.20)			
6.00	D				6.20		61.46		
7.00	D			Firm very thinly laminated grey sandy CLAY with rare lithorelics of sub-rounded fine mudstone. (KELLAWAYS SAND MEMBER) *... Between 7.00m and 7.50m bgl: Soft.*		(1.30)			
8.00	D			Firm very thinly laminated grey sandy CLAY with rare lithorelics of sub-rounded fine mudstone. (KELLAWAYS CLAY MEMBER)	7.50		60.16		
9.00	D					(2.50)			
10.00	D			End of Borehole at 10.00m	10.00		57.66		

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
	18/08	0000	3.30	3.30	200			
	18/08	1200	10.00	4.00	150			

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) For clean sampling the borehole was drilled with 8 inch casing to the base of the landfill at 3.30m. Backfilled with 1m of bentonite pellets and left to prove for 1 hour before continuing drilling with 6 inch to 10.00m depth. 4) Gas and grounwater monitoring well installed to 10.00m bgl with response zone between 4.00m and 10.00m. 5) Landfill deposits have a putrid odour throughout.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH02 Page No. 1 of 1

Method: Cable Percussion	Date(s): 19/08/2021	Logged By: MA	Drilled By: PJ Drilling
Client: Oxford University Development	Co-ords: 448244.40, 213114.66	Checked By: NT	Flush:
Hydrock Project No: C-19114-C	Ground Level: 66.47m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Orangish brown silty gravelly SAND. Gravel is angular to sub-rounded fine to coarse flint and sandstone. With gravel sized fragments of angular fine to coarse brick and concrete and frequent fabric, rags and pottery. (TOPSOIL - MADE GROUND)	0.40	(0.40)	66.07		
0.50	B			Dark reddish brown slightly clayey gravelly SAND. Gravel sized fragments of angular fine to coarse brick and concrete with frequent glass, timber, rubber tyres and plastic with putrid odour. (LANDFILL - MADE GROUND)					
0.50	ES								
1.00	D								
1.50	ES					(2.60)			
2.00	D								
2.50	ES								
3.00	D				3.00		63.47		
3.00	ES			MADE GROUND consisting of black plastic wrapping, timber and glass with strong putrid odour. (LANDFILL - MADE GROUND)	3.10	(0.10)	63.37		
3.10	B								
3.50	ES			Yellowish brown sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)		(0.90)			
4.00	B				4.00		62.47		
4.00	D			Firm thinly laminated greyish brown CLAY with rare gravels. Gravel is sub-rounded fine and medium mudstone. (OXFORD CLAY FORMATION)	4.10	(0.10)	62.37		
4.00	ES			Firm very thinly laminated sandy CLAY. (OXFORD CLAY FORMATION)					
5.00	D					(2.10)			
6.00	D				6.20		60.27		
				Firm very thinly laminated sandy CLAY. (KELLAWAYS SAND MEMBER)					
7.00	D			*... Between 7.00m and 7.50m bgl: Soft with rare lithorelics of sub-rounded fine mudstone.*		(1.30)			
					7.50		58.97		
				Firm very thinly laminated sandy CLAY. (KELLAWAYS CLAY MEMBER)					
8.00	D								
9.00	D					(2.50)			
10.00	D			End of Borehole at 10.00m	10.00		56.47		

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
	19/08	0000	3.10	3.10	200			
	19/08	1200	10.00	4.00	150			

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit dug to 1.20m bgl. 2) For clean sampling the borehole was drilled with 8 inch casing to the base of the landfill at 3.10m. Backfilled with 1m of bentonite pellets and left to prove for 1 hour before continuing drilling with 6 inch to 10.00m depth. 4) Gas and grounwater monitoring well installed to 10.00m bgl with response zone between 4.00m and 10.00m. 5) Landfill deposits have a putrid odour throughout.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH03 Page No. 1 of 1

Method: Cable Percussion	Date(s): 18/08/2021	Logged By: MA	Drilled By: PJ Drilling
Client: Oxford University Development	Co-ords: 448154.72, 213034.49	Checked By: NT	Flush:
Hydrock Project No: C-19114-C	Ground Level: 67.09m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Orangish brown silty gravelly SAND. Gravel is angular to sub-rounded fine to coarse flint and sandstone. With gravel sized fragments of angular medium and coarse brick and concrete and frequent fabric, rags and pottery. (TOPSOIL - MADE GROUND)	0.50	(0.50)	66.59		
0.50	B			Dark reddish brown slightly clayey gravelly SAND. Gravel sized fragments of angular fine to coarse brick and concrete with frequent glass, timber, rubber tyres and plastic with putrid odour. (LANDFILL - MADE GROUND)					
1.00 1.00	D ES								
2.00 2.00	D ES					(3.40)			
2.60	B								
3.00 3.00	D ES				3.90		63.19		
4.00 4.00	D ES			Yellowish brown sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)		(1.00)			
5.00 5.00	B D			Firm thinly laminated greyish brown CLAY with rare gravels. Gravel is sub-rounded fine and medium mudstone. (OXFORD CLAY FORMATION)	4.90 5.00	(0.10)	62.19 62.09		
				Firm very thinly laminated sandy CLAY. (OXFORD CLAY FORMATION)					
6.00	D					(2.00)			
7.00	D			Firm very thinly laminated sandy CLAY. (KELLAWAYS SAND MEMBER)	7.00		60.09		
8.00	D			*... From 8.00m to 10.00m bgl: Becoming very soft with rare fine lithorelics of sub-rounded fine mudstone.*		(1.40)			
				Firm very thinly laminated sandy CLAY. (KELLAWAYS CLAY MEMBER)	8.40		58.69		
9.00	D					(1.60)			
10.00	D			End of Borehole at 10.00m	10.00		57.09		

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
	18/08	1330	3.90	3.90	200			
	18/08	1700	10.00	5.00	150			

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) For clean sampling the borehole was drilled with 8 inch casing to the base of the landfill at 3.90m. Backfilled with 1m of bentonite pellets and left to prove for 1 hour before continuing drilling with 6 inch to 10.00m depth. 4) Gas and grounwater monitoring well installed to 10.00m bgl with response zone between 5.00m and 10.00m. 5) Landfill deposits have a putrid odour throughout.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH201 Page No. 1 of 2

Method: Cable Percussion	Date(s): 30/08/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447940.36, 213216.23	Checked By: CV	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 68.06m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
0.10 - 1.00	B			Brown slightly gravelly SAND with frequent rootlets. Gravel is subangular to subrounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.35	(0.35)	67.71		
0.20	ES			Loose brown gravelly SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1	(0.95)			
0.60	ES								
1.20	SPT	N=4 (1,1,1,1,1,1)			1.30		66.76		
1.20	D			Very dense orange brown gravelly sllightly clayey SAND. Gravel is subangular to rounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	2	(0.90)			
1.20 - 1.70	B				2.20		65.86		
2.00	SPT	50/235mm (5,5,12,13,18,7)							
2.00	D			Very dense orange brown gravelly slightly clayey SAND. Gravel is subangular to rounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	3	(1.80)			
2.20 - 3.00	B								
3.00	SPT	50/135mm (15,10,35,15)							
3.00	D								
3.00 - 3.30	B				4.00		64.06		
4.00	SPT	N=43 (10,12,11,9,9,14)		Dense to very dense brown sandy slightly clayey subangular to rounded, fine to coarse flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	4				
4.00	D								
4.00 - 4.45	B								
5.00	SPT	50/235mm (11,14,10,12,14,14)			5	(1.90)			
5.00	D								
5.00 - 5.45	B				5.90		62.16		
6.00	D			Firm light grey mottled orange and grey sandy CLAY. (KELLAWAYS SAND MEMBER)	6	(0.90)			
6.50	SPT	60/235mm (7,11,14,14,16,16)							
6.50 - 6.88	D				6.80		61.26		
7.00 - 8.00	B			Stiff grey sandy CLAY. (KELLAWAYS SAND MEMBER)	7.00	(0.20)	61.06		
				Very stiff grey thinly laminated CLAY with rare shell fragments. (KELLAWAYS CLAY MEMBER)	7				
8.00	SPT	N=34 (5,5,7,7,9,11)			8	(3.10)			
8.00 - 8.45	D								
9.00	D				9				
9.50 - 9.95	U				10				

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	30/08	1000	10.10	7.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater strikes masked by water added within gravels. 3) Borehole completed at 10.10m bgl. 4) Gas and groundwater monitoring pipe installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH201 Page No. 2 of 2

Method: Cable Percussion	Date(s): 30/08/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447940.36, 213216.23	Checked By: CV	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 68.06m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
10.10	D			Very stiff grey thinly laminated CLAY with rare shell fragments. (KELLAWAYS CLAY MEMBER) End of Borehole at 10.10m	10.10		57.96		

11 12 13 14 15 16 17 18 19 20

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater strikes masked by water added within gravels. 3) Borehole completed at 10.10m bgl. 4) Gas and groundwater monitoring pipe installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH202 Page No. 1 of 1

Method: Cable Percussion	Date(s): 31/08/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448273.59, 213320.29	Checked By: CV	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 63.67m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
0.00 - 1.00	B			Light brown slightly gravelly slightly clayey SAND with frequent rootlets. Gravel is subangular to angular fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.37		
0.10	ES			Brown slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint and limestone with occasional fine gravels sized clay pockets. (RIVER TERRACE DEPOSITS)					
0.70	ES					(1.10)			
1.20	SPT	N=18 (4,5,5,4,5,4)			1.40		62.27		
1.20	D			Firm orange mottled grey with some iron staining sandy CLAY with rare rounded to subangular, fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)					
1.40 - 2.00	B								
2.00	SPT	N=6 (1,2,1,1,2,2)				(2.00)			
2.00 - 2.45	D								
3.00	SPT	N=9 (0,1,1,1,3,4)			3.40		60.27		
3.00 - 3.45	D			Light brown slightly gravelly clayey SAND. Gravel is fine to coarse, rounded to subangular flint. (RIVER TERRACE DEPOSITS)					
3.40 - 4.00	B					(0.60)			
4.00	SPT	N=17 (4,4,3,3,4,7)		Orange brown sandy slightly clayey subrounded to subangular, fine to coarse flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	4.00		59.67		
4.00 - 4.45	D								
4.00 - 5.00	B					(1.00)			
5.00	SPT	N=11 (3,1,3,2,3,3)		Stiff grey thinly laminated CLAY with rare shell fragments. (KELLAWAYS CLAY MEMBER)	5.00		58.67		
5.00 - 5.45	D								
5.00 - 6.00	B					(1.30)			
6.00	D								
6.30	B				6.30		57.37		
6.50	SPT	50/0mm ()		Very stiff to hard light grey silty CLAY with rare shell fragments and frequent silt sized selenite crystals. (KELLAWAYS CLAY MEMBER)	6.60	(0.30)	57.07		
6.60	SPT	50/0mm ()		End of Borehole at 6.60m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	31/08	1000	6.60	6.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)
6.50	6.60	00:30

General Remarks:
1) Inspection pit dug to 1.20m bgl. 2) Groundwater strikes masked by water added within gravels. 3) Borehole terminated at 6.60m bgl on 2nd SPT refusal after 30 minutes of chisseling. 4) Gas and groundwater monitoring well installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH203 Page No. 1 of 2

Method: Cable Percussion	Date(s): 02/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448029.01, 212856.90	Checked By: CV	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 63.35m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
0.00 - 1.20	B			Light brown slightly gravelly slightly clayey SAND with frequent rootlets. Gravel is subangular to angular fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.05		
0.10	ES			Light brown slightly gravelly slightly clayey SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.00	(0.70)	62.35		
0.50	ES								
1.20	SPT	N=10 (2,1,2,2,3,3)		Firm orange brown motted iron stained slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	2.00	(1.00)	61.35		
1.20 - 1.65	D								
2.00	SPT	N=5 (1,1,1,1,2,1)		Soft orange sandy CLAY with rare subrounded to angular, fine to coarse flint GRAVEL. (RIVER TERRACE DEPOSITS)	4.00	(2.00)	59.35		
2.00 - 2.45	D								
3.00	SPT	N=5 (1,1,0,1,1,3)							
3.00 - 3.45	D								
3.00 - 4.00	B								
4.00	SPT	N=7 (2,0,1,1,1,4)		Orange slightly gravelly slightly clayey SAND. Gravel is subrounded to rounded, fine to coarse of flint. (RIVER TERRACE DEPOSITS)	4.20	(0.20)	59.15		
4.00 - 4.45	D			Orange sandy slightly clayey subangular to subrounded, fine to coarse, flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	5.30	(1.10)	58.05		
4.30 - 5.00	B								
5.00	SPT	50/180mm (3,6,17,23,10)							
5.00	D								
5.30 - 6.50	B			Bluish grey fine clayey SAND. (KELLAWAYS SAND MEMBER)	6.70	(1.40)	56.65		
6.00	D								
6.50	SPT	N=24 (3,3,3,6,7,8)							
6.50 - 6.95	D								
6.70 - 8.00	B			Stiff bluish grey CLAY with occasional shell fragments. (KELLAWAYS CLAY MEMBER)	8.00	(1.30)	55.35		
8.00	D								
8.00 - 8.45	U			Very stiff grey CLAY with occasional shell fragments. (KELLAWAYS CLAY MEMBER)					
8.60	D								
9.00	D					(2.45)			

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	02/09	1000	8.20	6.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater strikes masked by water added within gravels. 3) Borehole completed at 10.45m bgl. 4) Gas and groundwater monitoring pipe installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH203 Page No. 2 of 2

Method: Cable Percussion	Date(s): 02/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448029.01, 212856.90	Checked By: CV	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 63.35m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
10.00	SPT	N=31 (5,5,5,7,9,10)		Very stiff grey CLAY with occasional shell fragments. (KELLAWAYS CLAY MEMBER)					
10.00 - 10.45	D				10.45		52.90		
				End of Borehole at 10.45m					

Progress and Observations								
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling		
From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater strikes masked by water added within gravels. 3) Borehole completed at 10.45m bgl. 4) Gas and groundwater monitoring pipe installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No BH204 Page No. 1 of 1

Method: Cable Percussion	Date(s): 03/08/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448355.95, 212958.07	Checked By: CV	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 62.31m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
0.00 - 1.00	B			Light brown slightly gravelly slightly clayey SAND with frequent rootlets. Gravel is subangular to angular fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	62.01		
0.20	ES			Firm light brown slightly sandy slightly gravelly CLAY. Gravel is subrounded to subangular, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.20	(0.90)	61.11		
1.20	SPT	N=7 (3,1,1,2,2,2)		Firm orange brown and iron stained sandy CLAY with rare subounded, fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)	2.00	(0.80)	60.31		
1.20	D			Soft orange with grey partitions sandy CLAY. (RIVER TERRACE DEPOSITS)	2.30	(0.30)	60.01		
1.40 - 2.00	B			Soft orange slightly gravelly sandy CLAY. Gravel is subrounded to subangular, fine to coarse of flint. (RIVER TERRACE DEPOSITS)	3.20	(0.90)	59.11		
2.00	SPT	N=9 (0,1,1,2,3,3)		Light brown sandy rounded to subangular, fine to coarse, limestone, sandstone, flint and quartz GRAVEL. (RIVER TERRACE DEPOSITS)	4.70	(1.50)	57.61		
2.00 - 2.45	D			Soft bluish grey sandy CLAY with black specks and mild organic odour. (RIVER TERRACE DEPOSITS)	4.90	(0.20)	57.41		
2.30 - 3.20	B			Light grey very weak SILTSTONE. (KELLAWAYS SAND MEMBER)	5.50	(0.60)	56.81		
3.00	SPT	N=5 (0,1,1,1,1,2)		End of Borehole at 5.50m					
3.00	D								
3.20 - 4.00	B								
4.00	SPT	N=11 (6,5,6,2,1,2)							
4.00	D								
4.00 - 4.45	B								
4.70 - 4.90	D								
5.00	SPT	50/30mm (19,6,50)							
5.00 - 5.12	D								
5.20	SPT	50/225mm (25,18,13,19)							
5.20 - 5.50	D								

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	31/08	0000	5.20	4.70	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)
5.00	5.20	00:30

General Remarks:
1) Inspection pit dug to 1.20m bgl. 2) Groundwater strikes masked by water added within gravels. 3) Borehole terminated at 5.50m bgl on 2nd SPT refusal after 30 minutes of chisseling. 4) Gas and groundwater monitoring well installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
BH205
Page No. 1 of 1

Method: Cable Percussion	Date(s): 01/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447953.42, 212626.30	Checked By: CV	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 60.78m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
0.00 - 0.30	B			Firm dark brown slightly gravelly sandy CLAY with frequent roots. Gravel is fine to subangular to subrounded, fine to coarse of flint, limestone and rare brick. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	60.53		
0.10	ES			Soft light orange brown mottled grey slightly gravelly sandy CLAY with rare purpe oraganic material. Gravel is subrounded to angular, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)					
0.30 - 1.20	B								
0.40	ES								
1.20	SPT	N=3 (0,0,1,0,1,1)			1	(1.55)			
1.20 - 1.65	D				1.80		58.98		
2.00	SPT	N=19 (3,5,5,4,5,5)		Brown sandy rounded to subangular fine to coarse limestone, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	2	(1.30)			
2.00	D								
2.00 - 2.45	B								
3.00	SPT	N=26 (2,1,3,4,7,12)		*... From 3.00m bgl: Very sandy.*	3				
3.00	D				3.10		57.68		
3.10 - 4.00	B			Bluish grey slightly clayey SAND. (KELLAWAYS SAND MEMBER)					
4.00	SPT	N=22 (5,6,6,6,5,5)			4	(1.40)			
4.00 - 4.45	D								
4.50 - 5.00	B				4.50		56.28		
5.00	SPT	N=21 (3,4,4,5,5,7)		Stiff bluish grey CLAY with rare shell fragments and very rare silt sized specks of selenite. (KELLAWAYS CLAY MEMBER)	5				
5.00 - 5.45	D								
6.00	D				6	(3.50)			
6.50 - 6.95	U								
7.10	D				7				
8.00	SPT	50/10mm (25,50)			8.00		52.78		
8.00 - 8.08	D			Light grey very weak LIMESTONE (CORNBRASH LIMESTONE FORMATION)	8.20	(0.20)	52.58		
8.20	SPT	50/0mm ()		End of Borehole at 8.20m					
					9				
					10				

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	01/09	1000	8.20	5.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)
8.00	8.20	00:30

General Remarks:
1) Inspection pit dug to 1.20m bgl. 2) Groundwater strikes masked by water added within gravels. 3) Borehole terminated at 8.20m bgl on 2nd SPT refusal after 30 minutes of chisseling. 4) Gas and groundwater monitoring well installed to 4.00m bgl. Response zone between 1.00m bgl and 4.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No CP301 Page No. 1 of 1

Method: Cable Percussion	Date(s): 01/02/2023	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447234.97, 213429.37	Checked By: MA	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 67.69m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Brown slightly clayey SAND with rare rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.39		
				Orangish brown slightly gravelly clayey SAND. Gravel is sub-angular to rounded fine to medium of flint and ironstrone. (RIVER TERRACE DEPOSITS)	3.50	(3.20)	64.19		
				Orangish brown SAND and GRAVEL. Gravel is sub-angular to rounded fine to coarse of flint limestone and occasional ironstone. (RIVER TERRACE DEPOSITS) *... From 3.50m bgl: Medium to coarse gravel sized fragments of limestone.*	4.60	(1.10)	63.09		
				Grey medium strong LIMESTONE (CORNBRASH LIMESTONE FORMATION) *... at 4.60m bgl grey coarse gravel sized fragments of siltstone.*	4.80	(0.20)	62.89		
				End of Borehole at 4.80m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	01/02	0900	4.80	1.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)
4.70	4.80	00:30

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Water added at 1.20m bgl to assist drilling granular materials. 3) Hit rock at 4.60m and chiseled for 20 minutes to 4.80m bgl. 4) Gas and groundwater monitoring well installed to 4.60m bgl with response zone between 1.60m to 4.60m bgl.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
CP302
Page No. 1 of 1

Method: Cable Percussion	Date(s): 02/02/2023	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447473.19, 213220.26	Checked By: MA	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 66.74m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Brown slightly clayey SAND with occasional rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	66.34		
				Firm orangish brown sandy CLAY. (RIVER TERRACE DEPOSITS)	1.50	(1.10)	65.24		
				Yellowish brown SAND and GRAVEL. Gravel is sub-angular to rounded fine to medium of limestone ironstone and flint. (RIVER TERRACE DEPOSITS)	4.10	(2.60)	62.64		
				... From 3.20 m bgl: Occasional pockets of yellowish brown sandy gravelly CLAY.					
				Firm to stiff blue grey CLAY. (KELLAWAYS CLAY MEMBER)	5.00	(0.90)	61.74		
				End of Borehole at 5.00m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	01/02	1400	5.00	1.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Water added at 1.20m bgl to assist drilling in granular materials. 3) Gas and groundwater monitoring well installed to 4.00m bgl with response zone between 1.50m to 4.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
CP303
Page No. 1 of 1

Method: Cable Percussion	Date(s): 31/01/2023	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447879.54, 213661.41	Checked By: MA	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 68.15m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Brown slightly clayey SAND with occasional rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.70	(0.70)	67.45		
				Yellowish brown SAND and GRAVEL. Gravel is sub-angular to rounded fine to medium of limestone and flint. (RIVER TERRACE DEPOSITS)					
				... From 3.00m bgl: Coarse gravel sized fragments of limestone.	4.00	(3.30)	64.15		
				Firm blue grey CLAY. (KELLAWAYS CLAY MEMBER)	5.00	(1.00)	63.15		
				End of Borehole at 5.00m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	31/01	0730	5.00	1.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Water added to assist drilling granular material at 1.20m bgl. 3) Gas and groundwater monitoring well installed to 4.00m bgl with response zone between 1.00m and 4.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
CP304
Page No. 1 of 1

Method: Cable Percussion	Date(s): 31/01/2023	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448065.30, 213497.54	Checked By: MA	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 68.02m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Brown slightly clayey SAND with occasional rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.72		
				Yellowish brown fine to coarse SAND and GRAVEL. Gravel is sub-angular to sub-rounded fine to medium of flint. (RIVER TERRACE DEPOSITS)					
				... From 3.60m bgl: Coarse gravel sized fragments of limestone.	4.10	(3.80)	63.92		
				Firm blueish grey slightly sandy CLAY. (KELLAWAYS CLAY MEMBER)	5.00	(0.90)	63.02		
				End of Borehole at 5.00m					

1 2 3 4 5 6 7 8 9 10

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	31/01	1400	5.00	1.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Water added to assist drilling gravels at 1.20m bgl. 3)Gas and groundwater monitoring well installed to 4.00m bgl with response zone between 1.00m to 4.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
CP305
Page No. 1 of 1

Method: Cable Percussion	Date(s): 01/02/2023	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447741.93, 213389.04	Checked By: MA	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 67.78m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Brown slightly clayey SAND, with occasional rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.48		
				Orangish brown slightly gravelly clayey SAND. Gravel is sub-angular to sub-rounded fine of flint. (RIVER TERRACE DEPOSITS)	1.60	(1.30)	66.18		
				Yellowish brown SAND and GRAVEL. Gravel is sub-angular to sub-rounded fine to medium of flint and limestone. (RIVER TERRACE DEPOSITS)	4.60	(3.00)	63.18		
				... From 4.00m bgl: Coarse gravel sized fragments of limestone.					
				Stiff blue grey thinly laminated CLAY. (KELLAWAYS CLAY MEMBER)	5.60	(1.00)	62.18		
				End of Borehole at 5.60m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Dando 2000	01/02	1630	5.00	1.00	150		N/A	N/A

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Water added at 1.20m bgl to assist with drilling in granular material. 3) Gas and groundwater monitoring well installed to 4.60m bgl with response zone between 1.60m to 4.60m bgl.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP301
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Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 449086.00, 212511.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 60.12m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.10	(0.10)	60.02	
0.10 - 0.20	D			Brown mottled orange clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.20 - 0.30	D				0.30	(0.20)	59.82	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP302
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 449022.00, 212594.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 60.23m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		59.93	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP303
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448900.00, 212777.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 60.46m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		60.16	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP304
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448890.00, 212949.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 60.74m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		60.44	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP305
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 449086.00, 213102.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 60.90m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		60.60	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP306
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Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448582.00, 213221.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 61.34m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. Rare reddish decayed rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		61.04	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP307
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448626.00, 213391.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 61.47m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		61.17	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP308
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448536.00, 213454.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 61.48m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets and rare subangular fine to medium gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		61.18	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP309
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Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448426.00, 213532.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 64.40m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets and rare subangular fine to medium gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		64.10	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP310
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448290.00, 213340.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 63.39m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets and rare subangular fine to medium gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		63.09	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP311
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Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448235.00, 213379.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 64.71m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		64.41	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP312
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Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448070.00, 213444.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 68.08m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey slightly gravelly SAND with many rootlets. Occasional subangular to subrounded fine to medium gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D				0.30		67.78	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP313
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Method: Hand-dug Pit	Date(s): 06/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447997.00, 213258.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 72.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Reddish brown slightly clayey slightly gravelly SAND with many rootlets. Occasional subangular to subrounded fine to medium gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D				0.30		71.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP314
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448195.00, 213962.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 68.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown mottled grey clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		67.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP315
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2021	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448396.00, 213917.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 69.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown mottled grey slightly clayey slightly gravelly SAND with many rootlets and occasional rare subrounded fine gravel of quartz. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		68.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP316
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Method: Hand-dug Pit	Date(s): 07/02/2021	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448438.00, 213768.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 70.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown occasionally mottled grey slightly clayey SAND with many rootlets and occasional rare subangular to subrounded fine gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		69.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP317
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448011.00, 213934.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of flint limestone and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		70.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP318
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Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447901.00, 214085.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 73.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		72.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP319
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447773.00, 213935.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown slightly gravelly slightly clayey SAND with many rootlets and subangular to subrounded fine to medium gravel of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL). (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
				Base of Excavation at 0.30m	0.30		70.70	

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP320
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Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448274.00, 213625.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 70.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		69.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP321
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448074.00, 213597.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		70.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP322
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448211.00, 213673.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		70.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP323
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447933.00, 213800.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 68.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		67.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP324
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447858.00, 213717.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 73.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		72.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP325
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447754.00, 213706.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 72.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		71.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP326
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447467.00, 213574.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		70.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP327
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447322.00, 213710.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 69.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		68.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP328
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447376.00, 213492.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 70.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		69.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP329
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447362.00, 213407.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 69.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		68.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP330
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447375.00, 213204.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		70.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP331
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447446.00, 213309.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 73.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		72.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP332
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Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447485.00, 213779.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 72.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Reddish brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subangular to subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D				0.30		71.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP333
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Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447558.00, 213792.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 67.00m OD	Plant/Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Reddish brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subangular to subrounded fine to medium gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D							
					0.30		66.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP334
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Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447658.00, 213811.00	Stability: Sides remained vertical throughout.	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 69.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Reddish brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subangular to subrounded fine to medium gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D				0.30		68.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP335
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Method: Hand-dug Pit	Date(s): 07/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447688.00, 213731.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Reddish brown slightly gravelly clayey SAND with many rootlets. Gravel is subangular to subrounded fine to medium gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
				Base of Excavation at 0.30m	0.30		70.70	

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP336
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 07/03/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447525.00, 213715.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 69.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Reddish brown slightly gravelly clayey SAND with many rootlets. Gravel is subangular to subrounded fine to medium gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
				Base of Excavation at 0.30m	0.30		68.70	

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP337
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Method: Hand-dug Pit	Date(s): 08/03/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447569.00, 213537.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 68.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Reddish brown slightly gravelly clayey SAND with many rootlets. Gravel is subangular to subrounded fine to medium gravel of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		67.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP338
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Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448785.00, 213158.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 59.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		58.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP339
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Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448445.00, 212844.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 65.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown occasionally mottled orange brown clayey SAND with many rootlets. Rare find subangular gravel of brick and coal. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		64.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP340
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Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448450.00, 212983.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 65.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown occasionally mottled orange brown clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		64.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP341
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448437.00, 213172.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 65.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D				0.30		64.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP342
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Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448036.00, 212662.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 66.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown occasionally mottled orange brown slightly gravelly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D							
					0.30		65.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP343
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448121.00, 212709.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 62.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown occasionally mottled orange brown slightly gravelly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D							
					0.30		61.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP344
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448062.00, 212949.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown occasionally mottled orange brown slightly gravelly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D							
					0.30		70.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP345
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Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447987.00, 213158.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 70.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown occasionally mottled orange brown slightly gravelly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)				
0.10 - 0.20	D					(0.30)		
0.20 - 0.30	D							
					0.30		69.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP346
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448233.00, 212892.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 68.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown clayey SAND with many rootlets. Occasional subrounded fine to medium quartz and flint gravel. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		67.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP347
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Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 448313.00, 213015.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 67.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown clayey SAND with many rootlets. Occasional subrounded fine to medium quartz and flint gravel. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		66.70	
				Base of Excavation at 0.30m				

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP348
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447747.00, 213304.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 71.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		70.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP349
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447835.00, 213272.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 72.00m OD	Plant: Hand digging tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		71.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HDP350
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Method: Hand-dug Pit	Date(s): 08/02/2023	Logged By: SM	Checked By: NT
Client: Oxford University Development	Co-ords: 447693.00, 213442.00	Stability: Sides remained vertical throughout	Dimensions: 0.15m x 0.15m
Hydrock Project No: C-19114-C	Ground Level: 73.00m OD	Plant: Hand digging tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
0.10 - 0.20	D							
0.20 - 0.30	D							
					0.30		72.70	
				Base of Excavation at 0.30m				
					1			
					2			

General Remarks:
1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Trialpit No HP201 Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 14/09/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 447245.43, 213380.63	Stability: Stable	Dimensions: 0.30m x 0.30m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 68.11m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Soft brown sandy CLAY with rare subangular to subrounded, fine to coarse flint and quartz gravel. (AGRICULTURALLY DISTURBED TOPSOIL)		(0.30)		
					0.30		67.81	
0.40	ES			Firm orange sandy CLAY with rare subangular to subrounded, fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)		(0.70)		
					1.00		67.11	
				Base of Excavation at 1.00m	1			
					2			

General Remarks:
1) Excavation completed at 1.00m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Trialpit No HP202 Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 14/09/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 447310.49, 213379.39	Stability: Stable	Dimensions: 0.30m x 0.30m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 67.70m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Dark brown sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	67.45	
0.40	ES			Firm orange brown sandy CLAY with rare subangular to subrounded, fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)	1.00	(0.75)	66.70	
				Base of Excavation at 1.00m				

General Remarks:
1) Excavation completed at 1.00m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP203
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 14/09/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 447257.22, 213337.26	Stability: Stable	Dimensions: 0.30m x 0.30m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 68.18m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Soft dark brown sandy CLAY with rare subangular to subrounded, fine to coarse of flint and quartz gravel. (AGRICULTURALLY DISTURBED TOPSOIL)	0.20	(0.20)	67.98	
0.40	ES			Firm orange brown slightly sandy CLAY with rare subangular to angular fine to medium flint gravel. (RIVER TERRACE DEPOSITS)	1.00	(0.80)	67.18	
				Base of Excavation at 1.00m				

General Remarks:
1) Excavation completed at 1.00m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP204
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 14/09/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 447308.02, 213315.45	Stability: Stable	Dimensions: 0.30m x 0.30m; Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 67.84m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Light brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	67.59	
0.30	ES			Orange brown slightly clayey sandy subrounded to rounded, fine to coarse of flint GRAVEL. (RIVER TERRACE DEPOSITS)	0.55	(0.30)	67.29	
				Base of Excavation at 0.55m				

General Remarks:
1) Excavation completed at 0.55m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP205
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 14/09/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 447346.55, 213283.40	Stability: Stable	Dimensions: 0.30m x 0.30m
Hydrock Project No: C-19114-C	Ground Level: 67.78m OD	Plant: Hand Tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Soft light brown sandy slightly gravelly CLAY. Gravel is subangular ro rounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.48	
0.50	ES			Firm orange slightly sandy CLAY. Gravel is subrounded to rounded, fine to coarse of flint. (RIVER TERRACE DEPOSITS)	1.00	(0.70)	66.78	
				Base of Excavation at 1.00m				

General Remarks:
1) Excavation completed at 1.00m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP206
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 14/09/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 447323.43, 213245.43	Stability: Stable	Dimensions: 0.30m x 0.30m; Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 68.15m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Soft light brown sandy gravelly CLAY. Gravel is subangular to subrounded, fine to coarse fo flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	67.90	
0.40	ES			Firm orange slightly sandy gravelly CLAY. Gravel is subrounded to subangular, fine to coarse of flint. (RIVER TERRACE DEPOSITS)	0.80	(0.55)	67.35	
				Base of Excavation at 0.80m				

General Remarks:
1) Excavation completed at 0.80m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP207
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 25/08/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 448351.81, 213568.22	Stability: Stable	Dimensions: 0.30m x 0.30m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 66.48m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Yellow slightly sandy subangular to angular fine to coarse limestone COBBLES. (MADE GROUND)		(0.60)		
					0.60		65.88	
0.70	ES			Orange brown slightly gravelly SAND. Gravel is subrounded to subangular fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)		(0.40)		
					1.00		65.48	
				Base of Excavation at 1.00m	1			
					2			

General Remarks:
1) Suspected asbestos cement fragments on surface in vicinity of excavation. 2) Excavation completed at 1.00m bgl. 3) No groundwater encountered. 4) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP208
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 25/08/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 448368.15, 213592.57	Stability: Stable	Dimensions: 0.30m x 0.30m
Hydrock Project No: C-19114-C	Ground Level: 66.46m OD	Plant: Hand Tools	Scale: 1:10

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				CONCRETE. (MADE GROUND)	0.15	(0.15)	66.31	
0.30	ES			Red brown gravelly slightly clayey SAND. Gravel is angular to subrounded, fine to coarse of flint and limestone. (MADE GROUND)	0.55	(0.40)	65.91	
0.70	ES			Black clayey fine to coarse subangular to angular limestone GRAVEL. Slight PAH Odour. (MADE GROUND)	1.10	(0.55)	65.36	
				Firm greenish grey mottled orange CLAY. (KELLAWAYS CLAY MEMBER)	1.20	(0.10)	65.26	
				Base of Excavation at 1.20m				

General Remarks:
1) Excavation completed at 1.20m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP209
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 25/08/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 448342.21, 213531.91	Stability: Stable	Dimensions: 0.30m x 0.30m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 66.76m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				CONCRETE. (MADE GROUND)	0.10	(0.10)	66.66	
0.30	ES			Orange brown slightly gravelly SAND. Gravel is subrounded to subangular fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	0.90	(0.80)	65.86	
				Base of Excavation at 0.90m				
					1			
					2			

General Remarks:
1) Excavation completed at 0.90m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Trialpit No
HP210
Page No. 1 of 1

Method: Hand-dug Pit	Date(s): 25/08/2022	Logged By: NT	Checked By: CV
Client: Oxford University Development	Co-ords: 448376.79, 213562.77	Stability: Stable	Dimensions: 0.30m x 0.30m / Scale: 1:10
Hydrock Project No: C-19114-C	Ground Level: 66.34m OD	Plant: Hand Tools	

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Light grey gravelly SAND. Gravel is sub angular to sub rounded fine to coarse of flint and rare brick, concrete, limestone and clinker. (MADE GROUND)	0.65	(0.65)	65.69	
0.80	ES			Orange brown gravelly slightly clayey SAND. Gravel is subangular to angular fine to coarse of limestone and flint. (RIVER TERRACE DEPOSITS)	0.90	(0.25)	65.44	
				Base of Excavation at 0.90m				

General Remarks:
1) Excavation completed at 0.90m bgl. 2) No groundwater encountered. 3) Backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO301 Page No. 1 of 3	
Method: Rotary Cored	Date(s): 07/02/2023 - 09/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448428.05, 213351.63	Checked By: CV	Flush: Water
Hydrock Project No: C-19114-C	Ground Level: 61.81m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	0.10	ES							Soft dark brown slightly gravelly slightly sandy CLAY with occasional rootlets. Gravel is sub-angular fine of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.51		
	0.30 - 0.70	B							Very soft orangish brown slightly gravelly sandy CLAY with occasional rootlets and a slight organic odour. Gravel is sub-angular to sub-rounded fine to coarse of medium grained orangish brown sandstone. (ALLUVIUM) *... Below 0.70m: Becoming orangish brown mottled light grey.*	1.00	(0.70)	60.81		
	0.70 - 1.20	B												
	1.00 - 1.50	U												
1.50 - 2.50 98% rec									Orangish brown slightly gravelly very silty medium grained SAND. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)	2.00	(1.00)	59.81		
2.50 - 3.50 70% rec	2.50	SPT	N=22 (3,5,5,5,6,6)						Orangish brown sandy slightly clayey GRAVEL. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)	2.50	(0.50)	59.31		
	2.50	D								2.90	(0.40)	58.91		
	3.50	SPT	N=4 (3,2,1,3,0,0)						Medium dense orangish brown GRAVEL. Gravel is sub-angular to sub-rounded coarse of tabular light grey medium grained oolitic shelly limestone, flint and quartzite. (RIVER TERRACE DEPOSITS)					
	3.50	D							Orangish brown sandy slightly clayey GRAVEL. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)	4.00	(1.10)	57.81		
	4.00 - 4.50	U												
4.50 - 5.00 100% rec									Stiff thickly laminated grey silty micaceous CLAY with frequent bivalve fragments. Bedding fissures are extremely closely spaced horizontal. (KELLAWAYS CLAY MEMBER)	5.00	(1.00)	56.81		
4.50 - 6.00	5.00	SPT	50/10mm (7,18,50)				35 100 400		Very strong thinly to thickly bedded grey crystalline coarse grained LIMESTONE with frequent spheroidal weathering, fine to coarse gravel sized bivalve fossils and occasional veins/inclusions of calcareous clay and veins of white calcite. Beds are dark grey sandy and calcareous of thickly laminated clay and very thinly bedded mudstone. Fractures are horizontal to sub-horizontal medium to very closely spaced, rough, stepped and undulating, moderately wide to wide with clay infill. Sub-vertical fracture 80 degrees from 5.86m to 6.00m, stepped, clean. (CORNBRASH LIMESTONE FORMATION)					
	5.00	D		100	87	72								
6.00 - 7.50				100	93	93					(2.60)			
7.50 - 9.00									*... From 7.52 to 7.56m: Dark grey band of calcareous mudstone with frequent bivalve fossils.*	7.60		54.21		
	8.00	D		77	77	37	40 75 260		Very stiff thinly laminated with white silt greenish grey silty CLAY. Bedding fissures are extremely closely spaced horizontal. (FOREST MARBLE FORMATION)	8.15	(0.55)	53.66		
9.00 - 10.50	9.00	SPT	50/15mm (25,50)						Extremely weak thinly laminated greenish grey silty partially weathered MUDSTONE. Laminae are thinly laminated extremely closely spaced of undulating white siltstone, thickly laminated medium spaced bands of undulating grey fine grained sandstone and thinly bedded grey oolitic shelly limestone. (FOREST MARBLE FORMATION)		(2.02)			
				77	70	57								

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 300	07/02	0000	3.50	2.50		1.20	Water	orangish brown

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 20.00m. 3) Gas and groundwater monitoring well installed to 7.60m bgl, with response zone between 5.50m and 7.60m bgl. 4) Hydrock dipped borehole at 7.60m after installation.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO301 Page No. 2 of 3	
Method: Rotary Cored	Date(s): 07/02/2023 - 09/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448428.05, 213351.63	Checked By: CV	Flush: Water
Hydrock Project No: C-19114-C	Ground Level: 61.81m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
									Extremely weak thinly laminated greenish grey silty partially weathered MUDSTONE. Laminae are thinly laminated extremely closely spaced of undulating white siltstone, thickly laminated medium spaced bands of undulating grey fine grained sandstone and thinly bedded grey oolitic shelly limestone. (FOREST MARBLE FORMATION)	10.17		51.64		
10.50 - 12.00				100	98	69	40 50 140 / 130 150 200		*... From 10.00m to 10.17m: Band of strong grey micritic, oolitic and shelly limestone with occasional shell fragments and possible fossilised plants.*	11	(1.58)			
									Strong thickly laminated dark grey crystalline coarse grained LIMESTONE. Laminations are light greenish grey undulating (ripple marks) of firm clay. (FOREST MARBLE FORMATION)	11.75		50.06		
12.00 - 13.50	11.90	D		91	59	56	130 500 1500		Very stiff thickly laminated greenish grey SILT with thin laminations of white and dark grey fine to medium grained sandstone. Sandstone laminae are very closely spaced. Bedding fissures are extremely closely spaced horizontal. (FOREST MARBLE FORMATION)	12	(0.75)			
										12.50		49.31		
									Very strong medium bedded grey muddy, ooidal and shelly LIMESTONE with frequent bivalve fossils. Beds are strong dark grey medium spaced of sandy, muddy limestone with frequent shell fragments and possible fish scales and teeth fossils. (FOREST MARBLE FORMATION)	13				
13.50 - 15.00				100	100	100			*... From 12.50m to 12.70m: Flame/load structure from clay into limestone.* *... From 13.00m to 13.30m: Band of dark grey sandy limestone with possible fine to coarse sized fish scales and teeth fossils.*	14	(4.50)			
15.00 - 16.50				100	100	90			*... From 15.00m to 16.20m: Thinly to very thinly cross-bedded with light grey muddy ooidal limestone with frequent shell fossils.*	15 16				
16.50 - 18.00				100	98	95			*... At 16.50m: Void infilled with 10-15mm sized calcite crystals (40mm wide, 40mm thick and 20mm deep).*	17				
									Very strong grey muddy LIMESTONE with abundant fine to coarse gravel sized bivalve (oyster) fossils, frequent dark grey striated inclusions (possible plant fossils) and occasional veins of white calcite. (FOREST MARBLE FORMATION)	17.00	(1.00)	44.81		
18.00 - 19.00				100	90	90	70 400 1030		*... From 17.90m to 17.95m: Band of very stiff dark grey clay with abundant bivalve (oyster) shells and shell fragments.*	18				
									Strong very thinly bedded light grey muddy LIMESTONE with rare dark green staining and inclusions (possible chlorite or glauconite). Beds are very closely spaced of light greyish green ripple marked undulating siltstone, with limestone lenses in-between. (WHITE LIMESTONE FORMATION)	18.00	(0.80)	43.81		
19.00 - 20.00				100	100	100			*... From 18.60m to 19.26m: From 18.60m to 19.26m: Frequent medium gravel sized gastropod fossils.* Strong light grey muddy LIMESTONE with frequent medium to coarse gravel sized bivalve and gastropod fossils and occasional veins and vugs of white calcite. (WHITE LIMESTONE FORMATION) *... From 19.50m to 19.55m: Band of dark grey sandy*	19				
										18.80		43.01		
										20	(1.20)			
										20.00		41.81		

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 20.00m. 3) Gas and groundwater monitoring well installed to 7.60m bgl, with response zone between 5.50m and 7.60m bgl. 4) Hydrock dipped borehole at 7.60m after installation.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO301 Page No. 3 of 3

Method: Rotary Cored	Date(s): 07/02/2023 - 09/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448428.05, 213351.63	Checked By: CV	Flush: Water
Hydrock Project No: C-19114-C	Ground Level: 61.81m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum-entation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	If: Min Mean Max							
									Strong light grey muddy LIMESTONE with frequent medium to coarse gravel sized bivalve and gastropod fossils and occasional veins and vugs of white calcite. (WHITE LIMESTONE FORMATION) *... From 19.50m to 19.55m: Band of dark grey sandy mudstone.* End of Borehole at 20.00m					

Progress and Observations								
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling		
From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 20.00m. 3) Gas and groundwater monitoring well installed to 7.60m bgl, with response zone between 5.50m and 7.60m bgl. 4) Hydrock dipped borehole at 7.60m after installation.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
RO302
Page No. 1 of 3

Method: Rotary Cored	Date(s): 03/02/2023 - 07/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448485.73, 213352.47	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.57m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	0.10	ES							Soft dark brown slightly gravelly slightly sandy CLAY with occasional rootlets. Gravel is sub-angular fine of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.27		
	0.30	ES							Very soft orangish brown slightly gravelly slightly sandy CLAY with rare rootlets. Gravel is sub-angular to sub-rounded fine to medium of flint, and possible sandstone. (ALLUVIUM) 1	0.80	(0.50)	60.77		
	0.30 - 0.80	B							Orangish brown silty medium grained SAND. (RIVER TERRACE DEPOSITS)	1.00	(0.20)	60.57		
	0.80 - 1.20	B							Dense orangish brown gravelly silty SAND. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS) 2	1.55	(0.55)	60.02		
1.00 - 2.00 100% rec	1.00	SPT	N=31 (3,5,6,7,8,10)											
	1.00	D							Dense orangish brown very sandy slightly silty GRAVEL. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS) *... Below 2.60m: Sandy.* *... From 2.90m to 3.00m:Rusty brown stained gravels.* 3	3.00	(1.45)	58.57		
2.00 - 3.00 100% rec	2.00	SPT	N=35 (4,10,9,8,9,9)											
	2.00	D							Medium dense dark brown gravelly coarse grained SAND. Gravel is sub-angular to sub-rounded fine to medium of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)	3.10	(0.10)	58.47		
3.00 - 4.00 100% rec	3.00	SPT	N=11 (1,1,1,3,4,3)											
	3.00	D							Medium dense dark brown sandy GRAVEL. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS) 4	3.45	(0.35)	58.12		
4.00 - 5.00 80% rec	4.00	SPT	N=15 (2,2,2,3,5,5)											
	4.00	D							Firm orangish brown, dark brown and light grey mottled gravelly slightly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS) 5	4.00	(0.55)	57.57		
	4.25	HSV	100kPa											
	4.46	HSV	110kPa											
4.80 - 6.00	4.80	SPT	50/15mm (25,50)	83	83	80	50 100 350		Stiff grey slightly gravelly silty micaceous CLAY with occasional pockets (1mm x 5mm max) of pyritic silt (or other sulphide mineral). Bedding fractures are extremely closely spaced horizontal. Gravel is sub-angular fine to medium of pyritic siltstone. (KELLAWAYS CLAY MEMBER) 6	4.70	(0.70)	56.87		
6.00 - 7.50				100	87	87			Stiff greenish grey silty CLAY with abundant fine to coarse gravel sized bivalve shell fragments. (KELLAWAYS CLAY MEMBER)	4.80	(0.10)	56.77		
7.50 - 9.00				33	33	25			Very strong thinly to thickly bedded grey crystalline coarse grained LIMESTONE with occasional dissolution surface voids and veins/inclusions of calcareous silt and veins of white calcite. Beds are dark grey sandy closely to widely spaced of calcareous clay with lenses of limestone in-between. Fractures are horizontal to sub-horizontal medium to closely spaced, rough and undulating, moderately wide clay infill. Sub-vertical fracture from 6.60m to 7.19m, stepped, no infill, black staining 85 degrees. (CORNBRASH LIMESTONE FORMATION) *... From 7.00m to 7.50m: Strong biomicrite.* 7		(3.20)			
8.40 - 10.00									Very stiff thinly laminated greenish grey silty CLAY. Laminae are extremely closely spaced, thinly laminated white silt and dark grey mudstone, and very closely spaced thick laminations and lenses of dark grey shelly limestone. (FOREST MARBLE FORMATION) 8	8.00		53.57		
	9.10	D		100	0	0			9					
									10					

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 300	03/02	0000	11.50	4.00		0.50	Air mist	Grey

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.10m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 3.15m bgl, with response zone between 1.00m and 3.15m bgl. 4) Hydrock dipped hole ar 3.15m after installation.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
RO302
Page No. 2 of 3

Method: Rotary Cored	Date(s): 03/02/2023 - 07/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448485.73, 213352.47	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.57m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
10.00 - 11.50	10.00	SPT	50/150mm (8,17,30,20)	58	0	0			Very stiff thinly laminated greenish grey silty CLAY. Laminae are extremely closely spaced, thinly laminated white silt and dark grey mudstone, and very closely spaced thick laminations and lenses of dark grey shelly limestone. (FOREST MARBLE FORMATION)		(4.50)			
	10.00	D												
	10.00	D												
	10.60	D												
11.50 - 12.50				30	10	0	10 15 50		*... From 11.50m to 11.76m: Non-intact. Band of strong light grey biomicritic oolitic and shelly partially weathered LIMESTONE with occasional coarse gravel sized scallop looking bivalve fossils and coal.*	12.50		49.07		
12.50 - 14.00				100	98	88	100 600 1340		Very strong thinly bedded light grey muddy, oolitic and shelly coarse grained LIMESTONE with occasional coarse gravel sized bivalve (scallop) fossils, white calcite veins, petrified (carbonised) wood and plant fossils, inclusions of crystalline grey limestone, calcite crystals (10mm by 10mm average) and rare coal. Beds are closely to widely spaced dark grey slightly sandy clay and greyish green sandy limestone. Fractures are horizontal to sub-horizontal, widely spaced, rough and undulating, open with clay infill. (FOREST MARBLE FORMATION)					
									... From 12.55m to 12.69m: Band of stiff grey slightly sandy calcareous clay.					
14.00 - 15.50				100	64	64	20 150 350		*... From 13.50m to 13.60m: Band of stiff grey slightly sandy calcareous clay.* *... From 13.90m to 14.00m: Band of grey sandy limestone.* *... From 14.50m to 16.00m: Spheroidal surface weathering.*		(3.35)			
15.50 - 17.00				93	80	80	20 250 450		*... From 15.80m to 15.85m: Band of siltstone with (5-7mm spaced) and (2mm to 15mm thick) partings of coal.*	15.85		45.72		
									Extremely weak greenish grey partially weathered calcareous SILTSTONE with fine gravel sized fragments of limestone and shell fragments. (FOREST MARBLE FORMATION)	16.40	(0.55)	45.17		
									Extremely weak thinly laminated greenish grey partially weathered calcareous MUDSTONE. (FOREST MARBLE FORMATION)	16.84	(0.44)	44.73		
17.00 - 18.50				100	100	93	100 500 1230		Strong light grey muddy LIMESTONE with frequent bivalve (oyster) shells, veins and infilled shells and voids (max 40mm wide, 40mm thick and 50mm deep) of white and transparent calcite crystals. Fractures are sub-horizontal, sub-vertical and vertical, closely to widely spaced, rough, open to moderately wide with clay and dark grey striated infill. (WHITE LIMESTONE FORMATION) *... At 17.70m: Void infilled with 10-15mm sized calcite crystals (40mm wide, 40mm thick and 50mm deep).*	18.40	(1.56)	43.17		
18.50 - 20.00				100	98	98			Strong light grey very thinly laminated muddy LIMESTONE with occasional bivalve fossils (infilled with recrystallised calcite crystals) and rare dark green staining and inclusions (chlorite or glauconite maybe). Beds are light greyish green ripple marked (undulating) siltstone, with lenticular limestone in-between. Fractures are sub-horizontal, sub-vertical and vertical, closely to widely spaced, rough, open to moderately wide with clay and dark grey striated infill. Sub-vertical fracture 87 degrees, 17.19m to 17.40m, rough. Vertical fracture 17.85m to 18.29, rough, stepped. Vertical fracture from 18.00m to 18.26m, rough and clean. Sub-vertical fracture 18.95m to 19.00m 70 degrees planar, open	20.00	(1.60)	41.57		

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.10m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 3.15m bgl, with response zone between 1.00m and 3.15m bgl. 4) Hydrock dipped hole ar 3.15m after installation.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO302 Page No. 3 of 3

Method: Rotary Cored	Date(s): 03/02/2023 - 07/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448485.73, 213352.47	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.57m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum-entation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	If: Min Mean Max							
									Strong light grey very thinly laminated muddy LIMESTONE with occasional bivalve fossils (infilled with recrystallised calcite crystals) and rare dark green staining and inclusions (chlorite or glauconite maybe). Beds are light greyish green ripple marked (undulating) siltstone, with lenticular limestone in-between. Fractures are sub-horizontal, sub-vertical and vertical, closely to widely spaced, rough, open to moderately wide with clay and dark grey striated infill. Sub-vertical fracture 87 degrees, 17.19m to 17.40m, rough. Vertical fracture 17.85m to 18.29, rough, stepped. Vertical fracture from 18.00m to 18.26m, rough and clean. Sub-vertical fracture 18.95m to 19.00m 70 degrees planar, open with dark grey stained and striated infill. (WHITE LIMESTONE FORMATION)	21				
									... From 18.44m to 18.47m: Band of stiff dark grey clay with abundant bivalve shell fragments and fossils (gryphaea looking), potential hardground and evidence of flame/load structure above.	22				
									... From 19.20m to 19.70m: Frequent fine to medium gravel sized bivalve and gastropod fossils.					
									... From 19.70m to 20.00m: Dark grey with rare gastropods and one inclusion of (5mm x 5mm) coal.					
									End of Borehole at 20.00m	23				
										24				
										25				
										26				
										27				
										28				
										29				
										30				

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.10m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 3.15m bgl, with response zone between 1.00m and 3.15m bgl. 4) Hydrock dipped hole ar 3.15m after installation.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
RO303
Page No. 1 of 3

Method: Rotary Cored	Date(s): 23/01/2023 - 25/01/2023	Logged By: JM/MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448563.79, 213358.02	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.47m OD		Scale: 1:50

Sample/Core Run (m)	Depth (m)	Type	Results	TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	0.30	ES							Soft dark brown slightly gravelly slightly sandy CLAY with frequent rootlets. Gravel is sub-angular fine of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.17		
	0.30	ES							Very soft (wet) light yellowish brown mottled light grey slightly gravelly slightly sandy CLAY with rare rootlets. Gravel is sub-angular to rounded fine to coarse of flint, quartzite and mudstone. (ALLUVIUM)					
	0.60	D							*... From 1.00m to 1.10m: Band of dark orangish brown very gravelly silty medium grained SAND from 1.0 to 1.10m. Gravel is angular to sub-angular fine to coarse of light grey coarse grained ooidal limestone and flint.*		(1.70)			
	0.60	D							*... Below 1.20m bgl: Becoming soft.*	2.00		59.47		
1.20 - 2.00 80% rec	1.20	SPT	N=7 (0,1,1,2,2,2)						Dark orangish brown very gravelly silty coarse grained SAND. Gravel is sub-angular to rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)		(0.40)			
	1.20	D							*... From 2.00m to 2.10m: Band of dark orangish brown very gravelly silty medium grained SAND from 2.0 to 2.10m. Gravel is angular to sub-angular fine to coarse of light grey coarse grained ooidal limestone and flint.*	2.40		59.07		
	1.20	D							Dark orangish brown very sandy silty GRAVEL. Gravel is sub-angular to rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)		(0.90)			
	1.50	D							*... From 3.00m: Becoming sandy.*	3.30		58.17		
	1.50	D							Dark orangish brown sandy GRAVEL. Gravel is sub-angular to rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)		(0.60)			
2.00 - 3.00 100% rec	2.00	SPT	N=16 (2,3,3,3,5,5)						*... From 3.90m to 4.00m: Becoming very clayey.* *... At 4.20m: 6cm x 2cm Belemnite fossil.*	3.90		57.57		
	2.00	D							Stiff thinly laminated light bluish grey slightly gravelly silty CLAY with occasional fine gravel sized shell fossils and rare pockets (max 5cm) of brown medium grained sand. Bedding fissures are extremely closely spaced horizontal. Gravel is sub-angular fine to medium of mudstone. (KELLAWAYS CLAY MEMBER)		(0.50)			
	2.00	D							Very strong grey shelly fine grained LIMESTONE. Fractures are horizontal to sub-horizontal medium to very closely spaced, rough stepped and undulating, open to moderately wide, clean and clay infill. (CORNBRASH LIMESTONE FORMATION)	4.40		57.07		
	2.00 - 2.40	B							*... From 5.00m to 5.25m: Non-intact.* *... From 6.50m to 6.70m: One sub-vertical fracture, partially open, undulated.* *... Between 6.50m and 6.85m: Partially weathered with spheroidal weathering.* *... From 7.50m to 7.55m: Non-intact.*		(0.60)			
	2.00 - 2.40	B								5.00		56.47		
3.00 - 4.00 70% rec	2.40 - 3.00	B												
	2.40 - 3.00	B												
	3.00	SPT	N=40 (7,10,10,10,10,10)											
	3.00 - 3.45	D												
	3.00 - 3.45	D												
	3.00 - 4.00	B												
	3.00 - 4.00	B												
	4.00	SPT	N=12 (3,3,3,3,3,3)											
5.00 - 6.00	4.00 - 4.45	D		80	59	50	40 200 500							
	4.00 - 4.45	D												
	4.70	D												
	4.70	D												
	4.70	HSV	122kPa											
6.00 - 7.50	5.00	SPT	50/0mm (25)											
	6.00	SPT	50/0mm (15,10)											
				93	93	73					(3.40)			
7.50 - 9.00	7.50	SPT	50/0mm (25)											
				100	100	124								
							80 250 400			8.40		53.07		
9.00 - 10.50	9.00	SPT	50/255mm (7,10,10,15,18,7)						Weak grey thinly laminated partially weathered carbonaceous MUDSTONE with occasional extremely closely spaced siltstone. Fractures are horizontal medium to closely spaced, stepped and undulating, open to moderately wide, clay infill. (FOREST MARBLE FORMATION)					
				95	64	64			*... From 9.80m to 9.85m: Band of strong grey*		(3.20)			

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 300	23/01	0545	0.00	0.00				
	23/01	1645	2.45			0.40		
	24/01	0715	2.45			0.20		
	24/01	1645	12.02	5.30	127	11.60	Air mist	
	25/01	0715	12.02	5.30	127	0.00	Air mist	
	25/01	1650	21.00	5.50	127	0.90	Air mist	

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 0.80m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 4.00m bgl, with response zone between 2.00m and 4.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO303 Page No. 2 of 3	
Method: Rotary Cored	Date(s): 23/01/2023 - 25/01/2023	Logged By: JM/MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448563.79, 213358.02	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.47m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
									Weak grey thinly laminated partially weathered carbonaceous MUDSTONE with occasional extremely closely spaced siltstone. Fractures are horizontal medium to closely spaced, stepped and undulating, open to moderately wide, clay infill. (FOREST MARBLE FORMATION)					
10.50 - 12.00	10.50	SPT	60/130mm (10,15,25,35)						*... From 9.80m to 9.85m: Band of strong grey crystalline limestone.* 11					
				100	84	75				11.60		49.87		
							0		Strong grey shelly fine grained LIMESTONE. (FOREST MARBLE FORMATION)	11.70	(0.10)	49.77		
							0			11.80	(0.10)	49.67		
							0		Weak grey thinly laminated MUDSTONE. (FOREST MARBLE FORMATION) 12	12.00	(0.20)	49.47		
12.00 - 13.50	12.00	SPT	50/0mm (25)				0		Strong grey shelly fine grained LIMESTONE. (FOREST MARBLE FORMATION)					
							0		Interbedded extremely weak bluish grey extremely thinly laminated to thinly bedded silty MUDSTONE and weak dark grey SILTSTONE and very strong grey shelly LIMESTONE. (FOREST MARBLE FORMATION)					
				95	90	18	0				(1.30)			
							0							
							0							
							0							
							0							
							0		13 *... From 12.05m to 12.15m: Limestone band in interbedded*	13.30		48.17		
							150		*... From 13.15m to 13.25m: Limestone band in interbedded*					
13.50 - 15.00							20		Very strong grey oolitic LIMESTONE with occasional shells. Fractures are horizontal, medium to closely spaced, undulating, clean. (FOREST MARBLE FORMATION)					
							450				(0.95)			
							150							
							20							
							450		14	14.25		47.22		
				100	93	87	0		Weak dark grey SILTSTONE. (FOREST MARBLE FORMATION)	14.35	(0.10)	47.12		
							0		Very strong grey oolitic LIMESTONE with occasional shells. Fractures are horizontal, medium to closely spaced, undulating, partly open. (FOREST MARBLE FORMATION)					
							0				(0.55)			
							150							
							100			14.90		46.57		
15.00 - 16.50							250		15 Weak dark grey oolitic shelly LIMESTONE. Fracture is horizontal, open and undulating. (FOREST MARBLE FORMATION)					
							300				(0.70)			
							250							
							450			15.60		45.87		
							0		Weak light grey very thinly laminated SILTSTONE. (FOREST MARBLE FORMATION)	15.80	(0.20)	45.67		
				100	100	89	0		Very strong light grey oolitic LIMESTONE with occasional shells. 16 (FOREST MARBLE FORMATION)	16.10	(0.30)	45.37		
							0			16.20	(0.10)	45.27		
							0		Weak dark grey oolitic shelly LIMESTONE. (FOREST MARBLE FORMATION)	16.50	(0.30)	44.97		
							0							
16.50 - 18.00							0		Very strong light grey oolitic LIMESTONE with occasional shells. One fracture, horizontal, open and stepped. (FOREST MARBLE FORMATION)					
							0				(0.65)			
									Moderately strong dark grey silty sandy LIMESTONE with occasional shell fragments. 17 (FOREST MARBLE FORMATION)	17.15		44.32		
				100	100	100			Very strong light grey LIMESTONE with occasional shells. Fractures are horizontal to sub-horizontal, medium spaced, open, wavy to rough. (WHITE LIMESTONE FORMATION)					
							160							
							220							
							460							
18.00 - 19.50									18		(1.90)			
				100	100	100								
									19	19.05		42.42		
							0		Weak greenish grey SILTSTONE. (WHITE LIMESTONE FORMATION)	19.25	(0.20)	42.22		
							0		*... At 19.10m: 6cm x 2cm lens of shells.*					
							0							
19.50 - 21.00							180		Strong to very strong light grey with occasional green staining LIMESTONE. Fractures are horizontal to sub-horizontal, closely to medium spaced, open to closed, wavy and undulating.					
							50							
							300		20					

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 0.80m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 4.00m bgl, with response zone between 2.00m and 4.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO303 Page No. 3 of 3

Method: Rotary Cored	Date(s): 23/01/2023 - 25/01/2023	Logged By: JM/MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448563.79, 213358.02	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.47m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum-entation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	If: Min Mean Max							
				100	100	83			Strong to very strong light grey with occasional green staining LIMESTONE. Fractures are horizontal to sub-horizontal, closely to medium spaced, open to closed, wavy and undulating. (WHITE LIMESTONE FORMATION) *... From 19.90m to 20.40m bgl: Becomes darker grey.*		(1.75)			
									End of Borehole at 21.00m	21.00		40.47		

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 0.80m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 4.00m bgl, with response zone between 2.00m and 4.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO304 Page No. 1 of 3	
Method: Rotary Cored	Date(s): 26/01/2023 - 30/01/2023	Logged By: JM/MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448597.30, 213336.32	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.47m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	0.40	D							Soft dark brown slightly gravelly slightly sandy CLAY with frequent rootlets. Gravel is sub-angular fine of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.20	(0.20)	61.27		
	0.40	D								0.50	(0.30)	60.97		
									Very soft (wet) light yellowish brown slightly gravelly slightly sandy CLAY. Gravel is sub-angular to rounded fine to coarse of flint and quartzite. (ALLUVIUM) 1		(0.80)			
1.20 - 2.00 100% rec	1.20	SPT	N=8 (1,1,1,3,2,2)						Orangish brown gravelly coarse grained SAND. Gravel is sub-angular to rounded fine and medium of dark brown iron rich medium grained sandstone, flint and quartzite. (ALLUVIUM)	1.30		60.17		
	1.20 - 1.65	D							Soft orangish brown slightly gravelly sandy CLAY with rare decomposed roots. Gravel is sub-rounded to rounded fine to coarse of sandstone and quartzite. (ALLUVIUM) 2		(0.70)			
	1.20 - 1.65	D								2.00		59.47		
2.00 - 3.00 20% rec	1.50	D							Dark orangish brown sandy GRAVEL. Gravel is sub-angular to rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS) 3		(1.30)			
	1.50	D								3.30		58.17		
	2.00	SPT	N=15 (2,4,4,3,4,4)						Firm bluish grey thinly fissured, thinly laminated silty CLAY. Fissures are extremely closely spaced and randomly oriented. (KELLAWAYS CLAY MEMBER)					
	2.00 - 2.45	D												
	2.00 - 2.45	D							4		(2.10)			
3.00 - 4.00 100% rec	3.00	SPT	N=16 (1,2,3,3,5,5)											
	3.00 - 3.45	D												
	3.00 - 3.45	D							5					
4.00 - 5.00 80% rec	4.00	SPT	N=15 (1,2,4,3,4,4)							5.40		56.07		
	4.00 - 4.45	D							Very strong grey shelly LIMESTONE. Fractures are horizontal to sub-horizontal, open to closed, wavy with shelly laminated clay infill. (CORNBRASH LIMESTONE FORMATION)					
	4.00 - 4.45	D							6		(1.55)			
5.00 - 6.00	5.00	SPT	N=15 (1,2,4,3,4,4)							6.95		54.52		
	5.00 - 5.45	D		80	60	27	40 200 270							
	5.00 - 5.45	D							Very strong grey crystalline LIMESTONE with occasional shell fragments. (CORNBRASH LIMESTONE FORMATION) 7		(0.55)			
6.00 - 7.50				100	100	86	0 0 0			7.50		53.97		
									Soft dark grey slightly gravelly CLAY. gravel is Sub rounded to rounded of limestone. (CORNBRASH LIMESTONE FORMATION)	7.60	(0.10)	53.87		
7.50 - 9.00							50 150 450		Very strong grey sandy LIMESTONE with occasional shell fragments. Fractures are horizontal to sub-vertical, open, very close to medium spaced, with occasional clay infill. (CORNBRASH LIMESTONE FORMATION) 8		(1.10)			
				100	83	65				8.70		52.77		
							40 150 330		Weak grey thinly laminated carbonaceous MUDSTONE with occasional thin bands (2mm) of siltstone. Fractures are horizontal medium to closely spaced, stepped and undulating, open to moderately wide, clay infill. (FOREST MARBLE FORMATION) 9					
9.00 - 10.50	9.00	SPT	50/220mm (2,2,3,5,42)						*... From 9.00m to 10.50m: No recovery, went in with dynamic sampler barrel to recover sample from 9.00m to 10.0m.*					
				100	100	97								

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 300	26/01	0715	0.00					
	26/01	1745	5.37	4.00	127			
	27/01	0715	5.37	4.00	127	0.20		
	27/01	1645	15.00	4.50	127	0.60	Air mist	
Commachio 300	30/01	0000	15.00	6.00	127	0.10	Air mist	grey

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 8.35m bgl, with response zone between 6.00m and 8.35m bgl. 4) Hydrock dipped borehole at 8.35m bgl after installation.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO304 Page No. 2 of 3	
Method: Rotary Cored	Date(s): 26/01/2023 - 30/01/2023	Logged By: JM/MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448597.30, 213336.32	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.47m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
10.50 - 12.00	10.50	SPT	50/135mm (8,17,23,27)	100	100	100	0 0 0		Weak grey thinly laminated carbonaceous MUDSTONE with occasional thin bands (2mm) of siltstone. Fractures are horizontal medium to closely spaced, stepped and undulating, open to moderately wide, clay infill. (FOREST MARBLE FORMATION)	11.60	(2.90)	49.87		
12.00 - 13.50				100	92	71	100 400 750		Interbedded extremely weak bluish grey extremely thinly laminated to thinly bedded silty MUDSTONE and weak dark grey SILTSTONE and very strong grey shelly LIMESTONE. (FOREST MARBLE FORMATION) *... From 12.05m to 12.20m: Limestone band in interbedded* *... From 13.00m to 13.50m: Limestone band in interbedded*	13.30	(1.70)	48.17		
13.50 - 15.00				84	84	80			Very strong medium bedded grey ooidal, shelly fine to medium grained LIMESTONE with frequent medium to coarse gravel sized shell fossils and occasional white veins of calcite. Beds are dark grey of strong medium spaced partially weathered muddy limestone, extremely weak partially weathered highly calcareous mudstone and siltstone and clay. Fractures are horizontal to sub-horizontal, medium spaced, rough and undulating, open to moderately wide with clay infill. Sub vertical fracture from 16.70m to 17.00m, stepped, open with clean infill. (FOREST MARBLE FORMATION)					
15.00 - 16.50	15.10	HSV	50kPa	100	93	93			*... From 15.00m to 15.20m: Band of soft grey clay.* *... Below 16m: The occurrence of shell fossils becoming occasional and becoming more crystalline.* *... From 16.25m to 16.35m: Band of Extremely weak dark grey partially weathered calcareous mudstone with frequent fine sand sized shell fragments.* *... From 16.50m to 16.60m: Band of soft grey clay.*		(4.70)			
16.50 - 18.00	16.55	HSV	22kPa	100	95	87			*... From 17.50m to 17.90m: Band of strong dark grey partially weathered calcareous mudstone with occasional fine to coarse sand sized shell fragments (oysters maybe). Fine to coarse gravel sized fragments of carbonised plant fossils.*	18.00		43.47		
18.00 - 19.50	18.10	HSV	40kPa	100	89	82	300 300 480		Very strong to strong light greenish grey fine to medium grained LIMESTONE with occasional fine to coarse gravel sized shell fossils. Fractures are horizontal, sub-horizontal and sub-vertical, medium spaced, rough and undulating, open to moderately wide, with clean, striated grey stained mineral infill. Sub vertical fracture from 17.70m to 18.00m, stepped, open with clean infill. Sub-vertical fracture from 18.64m to 18.76m stepped, moderately wide with clean infill. Sub-vertical fracture from 19.25m to 19.46m stepped, moderately wide with clean infill. (WHITE LIMESTONE FORMATION) *... From 18.00m to 18.17m: Band of firm grey clay with occasional fine sand sized shell fragments.* *... At 19.00m: Striated fracture.*	20.00	(2.00)	41.47		
19.50 - 21.00									Continued on Next Sheet					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 8.35m bgl, with response zone between 6.00m and 8.35m bgl. 4) Hydrock dipped borehole at 8.35m bgl after installation.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO304 Page No. 3 of 3

Method: Rotary Cored	Date(s): 26/01/2023 - 30/01/2023	Logged By: JM/MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448597.30, 213336.32	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 61.47m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum-entation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	If: Min Mean Max							
				80	80	79			Very strong to strong light greenish grey fine to medium grained LIMESTONE with occasional fine to coarse gravel sized shell fossils. Fractures are horizontal, sub-horizontal and sub-vertical, medium spaced, rough and undulating, open to moderately wide, with clean, striated grey stained mineral infill. Sub vertical fracture from 17.70m to 18.00m, stepped, open with clean infill. Sub-vertical fracture from 18.64m to 18.76m stepped, moderately wide with clean infill. Sub-vertical fracture from 19.25m to 19.46m stepped, moderately wide with clean infill. (WHITE LIMESTONE FORMATION)		(1.00)			
									... From 19.70m to 20.00m: Band of firm grey clay with occasional fine to coarse sand sized shell fragments.					
									Strong thickly laminated light grey muddy fine grained LIMESTONE with occasional fine to medium gravel sized fragments of shell fossils. Laminations are undulating (ripple marks) of weak grey siltstone. Fractures are horizontal, sub-horizontal and sub-vertical, medium spaced, rough and undulating, open to moderately wide, with clean infill. (WHITE LIMESTONE FORMATION)	21.00		40.47		
									End of Borehole at 21.00m					

21 22 23 24 25 26 27 28 29 30

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 1.20m bgl, terminated hand digging due to water ingress. 2) Borehole dynamic sampled to 5.00m, then rotary cored from 5.00m to 21.00m. 3) Gas and groundwater monitoring well installed to 8.35m bgl, with response zone between 6.00m and 8.35m bgl. 4) Hydrock dipped borehole at 8.35m bgl after installation.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
RO305
Page No. 1 of 3

Method: Rotary Cored	Date(s): 31/01/2023 - 02/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 449117.89, 212482.32	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 60.12m OD		Scale: 1:50

Sample/Core Run (m)	Depth (m)	Type	Results	TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	0.10 - 0.20	ES							Soft dark brown slightly gravelly sandy CLAY with frequent rootlets. and coarse gravel sized fragment of brick. Gravel is sub-angular fine of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	59.82		
	0.50 - 0.80	B							Soft light orangish brown sandy CLAY. (ALLUVIUM)	0.60	(0.30)	59.52		
1.00 - 2.00 80% rec	1.00	SPT	N=31 (3,4,7,6,8,10)						Light orangish brown mottled light yellowish brown silty slightly gravelly medium grained SAND. Gravel is angular to sub-angular fine to coarse of tabular medium grained iron-rich sandstone. (RIVER TERRACE DEPOSITS) 1	0.80	(0.20)	59.32		
	1.00	D									(0.90)			
	1.70 - 2.00	B							Dense light orangish brown silty very gravelly medium grained SAND with bands of gravel. Gravel is angular to rounded fine to coarse of tabular medium grained iron-rich sandstone, flint, quartzite and white limestone. (RIVER TERRACE DEPOSITS) 2	1.70		58.42		
2.00 - 3.00 80% rec	2.00	D							Dark brown very gravelly coarse grained SAND with bands of gravel. Gravel is sub- angular to rounded fine to coarse of tabular medium grained iron-rich sandstone, flint, quartzite and white shelly limestone. (RIVER TERRACE DEPOSITS)	2.20	(0.50)	57.92		
	2.80	D									(0.50)			
	2.80	HSV	59kPa						Dark brown sandy GRAVEL. Gravel is sub- angular to rounded fine to coarse of tabular medium grained iron-rich sandstone, flint, quartzite and white shelly limestone. (RIVER TERRACE DEPOSITS) 3	2.70		57.42		
3.00 - 4.00 100% rec	3.00 - 3.50	U												
	3.30	HSV	90kPa						Firm thinly laminated grey silty CLAY with occasional medium gravel sized fragments of bivalve and ammonite fossils. Bedding fissures are extremely closely spaced horizontal. (OXFORD CLAY FORMATION)		(1.30)			
	3.50	D												
	3.50	HSV	72kPa											
	3.70	HSV	72kPa											
4.00 - 5.00 80% rec	4.00	SPT	N=23 (2,3,3,6,6,8)						4	4.00		56.12		
	4.00	D							Stiff thinly laminated grey silty CLAY with occasional medium gravel sized fragments of bivalve and ammonite fossils. Bedding fissures are extremely closely spaced horizontal. (OXFORD CLAY FORMATION)					
	4.00	U												
	4.50	HSV	135kPa											
	4.70	D							*... Below 4.00m: Becoming stiff.*					
5.00 - 6.50 80% rec	5.00	D							5 *... Below 5.00m: Frequent fine to coarse shell fossils and ammonites.*					
	5.50	SPT	N=27 (3,5,5,6,8,8)											
	5.70	HSV	122kPa											
	6.10	HSV	102kPa						6					
	6.20	D												
	6.30	HSV	112kPa											
6.50 - 8.00 95% rec	6.50	SPT	50/150mm (4,6,6,7)						*... At 6.35m: Pyritised (or other sulphide mineral) ammonite fossil.*		(5.10)			
	6.50	D							*... From 6.80m to 7.00m: Band of very strong brecciated mudstone with randomly oriented relict fractures infilled with white/clear calcite minerals and siltstone.* 7					
	7.20	HSV	112kPa											
	7.60	D												
	7.70	HSV	121kPa											
8.00 - 9.50 70% rec	8.00	SPT	N=46 (5,8,10,10,13,13)						8					
	8.65	HSV	125kPa											
	8.70	D							9	9.10		51.02		
	9.30	D							Stiff dark grey mottled light grey slightly sandy CLAY with occasional medium to coarse gravel sized bivalve and belemnite fossils. (OXFORD CLAY FORMATION) *... Below 9.40m: Sandy.*		(0.60)			
	9.40	HSV	90kPa							9.70		50.42		
9.50 - 11.00 70% rec	9.50	SPT	50/145mm (7,12,30,20)						Stiff thinly laminated grey silty CLAY with occasional medium gravel sized fragments of bivalve fossils. Bedding 10					

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 300	02/02	0000	14.00	5.50		0.10	Air mist	grey

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 0.90m bgl, terminated hand digging due to water ingress. 2) Dynamic sampled to 8.00m, then rotary cored from 8.00m to 20.00m. 3) Gas and groundwater monitoring well installed to 2.50m bgl, with response zone between 1.00m and 2.50m bgl. 4) Hydrock dipped well at 2.50m bgl after installation.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO305 Page No. 2 of 3

Method: Rotary Cored	Date(s): 31/01/2023 - 02/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 449117.89, 212482.32	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 60.12m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	10.30	HSV	130kPa						Stiff thinly laminated grey silty CLAY with occasional medium gravel sized fragments of bivalve fossils. Bedding fissures are extremely closely spaced horizontal. (OXFORD CLAY FORMATION)					
	10.70	D									(1.60)			
	10.70	HSV	140kPa						*... From 10.70m to 11.0m: Very stiff.*					
11.00 - 12.50 60% rec	11.00	SPT	50/165mm (10,15,21,25,4)						11	11.30		48.82		
	11.60	D							Stiff grey sandy CLAY with occasional medium to coarse gravel sized bivalve (oyster) fossils. (KELLAWAYS SAND MEMBER)					
12.50 - 14.00 73% rec	12.50	SPT	50/120mm (13,12,45,5)						12	12.60	(1.30)	47.52		
	12.70	D							Very dense grey slightly silty fine to medium grained SAND with frequent medium to coarse gravel sized bivalve fossils. (KELLAWAYS SAND MEMBER)					
	13.30	D							13	13.20	(0.60)	46.92		
									... From 12.80m to 12.90m: Band of moderately weak grey fine to medium grained partially weathered SANDSTONE with occasional coarse gravel sized bivalve fossils.	13.35	(0.15)	46.77		
									Stiff grey sandy CLAY with frequent medium to coarse gravel sized bivalve (occasionally pyritised) and belemnite fossils. (KELLAWAYS SAND MEMBER)					
14.00 - 15.50 100% rec									14	14.00	(0.65)	46.12		
									Very stiff thinly laminated grey silty micaceous CLAY with occasional mudstone lithorelicts and fine to medium gravel sized fragments of bivalve fossils. Laminae are very closely spaced of fine sand and silt. Bedding fissures are extremely closely spaced horizontal. (KELLAWAYS SAND MEMBER)	14.44	(0.44)	45.68		
	14.80	D							Grey very silty fine to medium grained possibly micaceous SAND. (KELLAWAYS SAND MEMBER)					
									15					
									... From 14.10m to 14.40m: Band of grey very silty sand with occasional coarse gravel sized bivalve (look like gryphaea) fossils.					
15.50 - 17.00 100% rec	15.60	D							Very stiff thinly laminated grey silty possibly micaceous CLAY with occasional mudstone lithorelicts and occasional fine to medium gravel sized fragments of (occasionally pyritised) bivalve (oysters) and belemnite fossils. Laminae are closely spaced of silt. Bedding fissures are extremely closely spaced horizontal. (KELLAWAYS CLAY MEMBER)		(2.66)			
	16.20	HSV	140kPa						16					
	16.50	D							*... From 15.91m to 15.97m: Sub horizontal fissure 60 degrees.*					
	16.70	HSV	140kPa						*... From 16.00 to 17.30m: Occasional pockets (1cm by 5cm max) of greyish green pyritic silt.*					
17.00 - 18.50	17.20	D							17	17.10		43.02		
									Stiff dark greenish grey slightly sandy CLAY with abundant fine to coarse gravel sized bivalve shells and shell fragments. (KELLAWAYS CLAY MEMBER)	17.30	(0.20)	42.82		
				81	81	81	250 400 700		Very strong thickly laminated grey shelly muddy LIMESTONE with occasional dissolution surface voids and bivalve fossils. Laminae are closely to very closely spaced of clay. Fractures are horizontal, sub-horizontal and sub-vertical, medium to widely spaced, rough and undulating, open with clay infill. Sub vertical fracture from 18.70m to 19.00m, stepped, open with clay infill. (CORNBRASH LIMESTONE FORMATION)					
18.50 - 20.00				100	89	89			18		(2.70)			
									... From 17.30 to 17.50m: Appears brecciated with frequent clay veins.					
									... Below 17.50m: Frequent shell fossils					
									... From 19.0-19.50m: White very strong shelly LIMESTONE with abundant fine to coarse gravel sized bivalve shells and shell fragments and siltstone inclusions.					
									19					
									... From 19.70 - 20.0m: Dark grey crystalline limestone with rare shell fossils and rare siltstone					
									20	20.00		40.12		

Continued on Next Sheet

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 0.90m bgl, terminated hand digging due to water ingress. 2) Dynamic sampled to 8.00m, then rotary cored from 8.00m to 20.00m. 3) Gas and groundwater monitoring well installed to 2.50m bgl, with response zone between 1.00m and 2.50m bgl. 4) Hydrock dipped well at 2.50m bgl after installation.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
RO305
Page No. 3 of 3

Method: Rotary Cored	Date(s): 31/01/2023 - 02/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 449117.89, 212482.32	Checked By: CV	Flush: Air mist
Hydrock Project No: C-19114-C	Ground Level: 60.12m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum-entation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	If: Min Mean Max							
									Very strong thickly laminated grey shelly muddy LIMESTONE with occasional dissolution surface voids and bivalve fossils. Laminae are closely to very closely spaced of clay. Fractures are horizontal, sub-horizontal and sub-vertical, medium to widely spaced, rough and undulating, open with clay infill. Sub vertical fracture from 18.70m to 19.00m, stepped, open with clay infill. (CORNBRASH LIMESTONE FORMATION)					
									... From 19.70 - 20.0m: Dark grey crystalline limestone with rare shell fossils and rare siltstone inclusions.					
									End of Borehole at 20.00m					

21 22 23 24 25 26 27 28 29 30

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1) Inspection pit hand dug to 0.90m bgl, terminated hand digging due to water ingress. 2) Dynamic sampled to 8.00m, then rotary cored from 8.00m to 20.00m. 3) Gas and groundwater monitoring well installed to 2.50m bgl, with response zone between 1.00m and 2.50m bgl. 4) Hydrock dipped well at 2.50m bgl after installation.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
RO306
Page No. 1 of 1

Method: Dynamic Sampled & Rotary Cored	Date(s): 08/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447306.56, 213761.66	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 65.63m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
									Soft brown slightly sandy CLAY with frequent rootlets (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	65.33		
									Soft light brown sandy CLAY. (ALLUVIUM)	0.70	(0.40)	64.93		
1.20 - 2.70 110mm 67% rec									Soft brown mottled grey slightly gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and sandstone. (ALLUVIUM)	1.20	(0.50)	64.43		
									Firm orangish brown slightly gravelly sandy CLAY with occasional cobbles of sub-angular to sub-rounded limestone. Gravel is rounded to sub-angular fine to coarse flint and limestone. (ALLUVIUM)	2.70	(1.50)	62.93		
2.70 - 4.00				77	37	18	10 100 140		Soft orangish brown slightly gravelly sandy CLAY with occasional shell fragments. Sand is coarse. Gravel is sub-angular to sub-rounded fine to coarse of flint and sandstone. (ALLUVIUM) *... Between 3.05m and 3.15m: Becoming mottled grey and more sandy and gravelly.*	3.15	(0.45)	62.48		
4.00 - 5.50				67	62	53	50 300 400		Strong light grey with orange and dark grey staining shelly LIMESTONE. Fractures are horizontal to sub-horizontal, open, wavy and undulating with occasional sand infill. (CORNBRASH LIMESTONE FORMATION)	4.60	(1.45)	61.03		
									Weak grey very thinly laminated MUDSTONE with rare shell fragments and occasional thin bands (5mm) of limestone. (FOREST MARBLE FORMATION)	5.50	(0.90)	60.13		
									End of Borehole at 5.50m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	07/02	1700	5.50	2.70	144		Air/Mist	NR

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 2.70m bgl, then rotary cored to 5.50m bgl. 3) Borehole installed with groundwater monitoring well to 4.50m bgl, with response zone between 3.50m and 4.50 bgl.

Logged in general accordance with BS5930:2015

Hydrock	Project: Begbroke	Borehole No RO307 Page No. 1 of 1

Method: Dynamic Sampled & Rotary Cored	Date(s): 08/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447315.61, 213666.35	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 66.09m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests: Depth (m)	Type	Results	Mechanical Log: TCR	SCR	RQD	If: Min Mean Max	Water Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
									Soft brown slightly sandy CLAY with frequent rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	65.79		
									Soft light brown sandy CLAY. (RIVER TERRACE DEPOSITS)	0.70	(0.40)	65.39		
1.20 - 2.70 110mm 87% rec									Soft orangish brown mottled brown gravelly very sandy CLAY. Gravel is sub-angular to sub-rounded medium to coarse of sandstone flint and quartzite. (RIVER TERRACE DEPOSITS) *... Between 1.70m and 2.30m bgl: Becoming less sandy.*	2.30	(1.60)	63.79		
2.70 - 3.20 110mm 100% rec									Soft orangish brown sandy very gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint and sandstone and quartzite. (RIVER TERRACE DEPOSITS) *... Between 2.55m and 3.00m bgl: Becoming more gravelly with occasional cobbles of limestone.*	3.00	(0.70)	63.09		
3.20 - 4.70				100	55	39			Strong light brownish grey with reddish brown staining shelly weathered LIMESTONE. Fractures are horizontal to sub-horizontal, open to closed, wavy and undulating, with occasional sand infill. (CORNBRASH LIMESTONE FORMATION) *... Between 3.00m and 3.45m bgl: Non intact.*	3.90	(0.90)	62.19		
									Moderately weak light grey shelly LIMESTONE. Fractures are horizontal to sub-horizontal, open to closed and undulating with shelly clay infill. (CORNBRASH LIMESTONE FORMATION)	4.70	(0.80)	61.39		
4.70 - 5.20				100	100	100			Strong light grey shelly LIMESTONE. Fractures are horizontal to sub-vertical, open and closed, clean, rough and undulating with occasional sand infill. (CORNBRASH LIMESTONE FORMATION)	5.00	(0.30)	61.09		
									Very weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	5.20	(0.20)	60.89		
									End of Borehole at 5.20m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	08/02	0845	5.20	3.20	144		Air/Mist	NR

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 3.20m bgl, then rotary cored to 5.20m bgl. 3) Borehole installed with groundwater monitoring well to 5.00m bgl, with response zone between 3.50m and 5.00m bgl.

Logged in general accordance with BS5930:2015

Hydrock

Project: Begbroke

Borehole No
RO307A
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Method: Rotary Open	Date(s): 08/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447315.61, 213666.35	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 66.09m OD		Scale: 1:100

Run (m)	Samples / Tests			Drilling Record			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	Weight (Kg)	Mins	Secs							
								Soft brown slightly sandy CLAY with frequent rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	65.79		
								Soft light brown sandy CLAY. (RIVER TERRACE DEPOSITS)	0.70	(0.40)	65.39		
								Soft orangish brown mottled brown gravelly very sandy CLAY. Gravel is sub-angular to sub-rounded medium to coarse of sandstone flint and quartzite. (RIVER TERRACE DEPOSITS)	2.00	(1.30)	64.09		
								End of Borehole at 2.00m					

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	08/02	1415	2.00	2.00	144		Air/Mist	NR

General Remarks:
1) Inspection pit hand dug to 1.20m bgl. 2) Geology and strata broundaries have been interpretted from nearby rotary cored position. 3) Borehole open holed to 2.00m bgl. 4) Borehole installed with groundwater montoring well to 2.00m bgl with response zone between 1.00m and 2.00m bgl.

Logged in general accordance with BS5930:2015