

ID	Distance (m)	Direction	NGR	Name	Details
21B	1097.0	NE	455610 229950	TUSMORE PARK HOLDINGS S A	<p>Licence No: 6/33/02/*G/0064 Details: Make-Up Or Top Up Water Direct Source: Ground Water Source Of Supply Point: Existing Borehole At Hardwick Data Type: Point</p> <p>Annual Volume (m³): 22730 Max Daily Volume (m³): 113.65 Original Application No: - Original Start Date: 28/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/1/2000 Version End Date:</p>
22B	1097.0	NE	455610 229950	TUSMORE PARK HOLDINGS S A	<p>Licence No: 6/33/02/*G/0064 Details: Spray Irrigation - Storage Direct Source: Ground Water Source Of Supply Point: Existing Borehole At Hardwick Data Type: Point</p> <p>Annual Volume (m³): 22730 Max Daily Volume (m³): 113.65 Original Application No: - Original Start Date: 28/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/1/2000 Version End Date:</p>
23B	1097.0	NE	455610 229950	TUSMORE PARK HOLDINGS S A	<p>Licence No: 6/33/02/*G/0064 Details: Spray Irrigation - Direct Direct Source: Ground Water Source Of Supply Point: Existing Borehole At Hardwick Data Type: Point</p> <p>Annual Volume (m³): 22730 Max Daily Volume (m³): 113.65 Original Application No: - Original Start Date: 28/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/1/2000 Version End Date:</p>
24B	1097.0	NE	455610 229950	TUSMORE PARK HOLDINGS S A	<p>Licence No: 6/33/02/*G/0064 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water Source Of Supply Point: Existing Borehole At Hardwick Data Type: Point</p> <p>Annual Volume (m³): 22730 Max Daily Volume (m³): 113.65 Original Application No: - Original Start Date: 28/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/1/2000 Version End Date:</p>
Not shown	1796.0	W	452300 229500	DALTON	<p>Licence No: 6/33/02/*G/0012 Details: General Farming & Domestic Direct Source: Ground Water Source Of Supply Point: Well At Fritwell Data Type: Point</p> <p>Annual Volume (m³): 15092 Max Daily Volume (m³): 41.36 Original Application No: - Original Start Date: 1/6/1967 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:</p>
Not shown	1796.0	W	452300 229500	DALTON	<p>Licence No: 6/33/02/*G/0012 Details: Spray Irrigation - Direct Direct Source: Ground Water Source Of Supply Point: Well At Fritwell Data Type: Point</p> <p>Annual Volume (m³): 15092 Max Daily Volume (m³): 41.36 Original Application No: - Original Start Date: 1/6/1967 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:</p>
Not shown	1881.0	NW	452500 230400	J A HAZELL & SON	<p>Licence No: 28/39/14/0193 Details: General Farming & Domestic Direct Source: Thames Groundwater Point: Inkerman Farm, Souldern (a) Data Type: Point</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WR.A/2368 Original Start Date: 10/4/1967 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1977 Version End Date:</p>
Not shown	1905.0	SW	452700 227800	PARKER	<p>Licence No: 6/33/02/*G/0092 Details: General Farming & Domestic Direct Source: Ground Water Source Of Supply Point: Borehole At Ardley Data Type: Point</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 1/11/1967 Expiry Date: - Issue No: 100 Version Start Date: 1/3/1977 Version End Date:</p>

5.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 2000m of the study site?

No

Database searched and no data found.

5.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site?

Yes

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (5c):

ID	Distance (m)	Direction	NGR	Name	Details
1	146.0	NE	454790 229380	CURTIS	Licence No: 6/33/02/*G/0131 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water Source Of Supply Point: Borehole At Stoke Lyne Data Type: Point Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 1/6/1997 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
2A	1071.0	NE	455610 229920	TUSMORE PARK HOLDINGS SA	Licence No: 6/33/02/*G/0071 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water Source Of Supply Point: New Borehole At Hardwick Data Type: Point Annual Volume (m ³): 22730 Max Daily Volume (m ³): 113.65 Original Application No: - Original Start Date: 1/3/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:
3A	1097.0	NE	455610 229950	TUSMORE PARK HOLDINGS SA	Licence No: 6/33/02/*G/0064 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water Source Of Supply Point: Existing Borehole At Hardwick Data Type: Point Annual Volume (m ³): 22730 Max Daily Volume (m ³): 113.65 Original Application No: - Original Start Date: 28/3/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:

5.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site?

No

Database searched and no data found.

5.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site?

No

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

5.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency information on groundwater vulnerability and soil leaching potential within 500m of the study site?

Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Major Aquifer/High Leaching Potential	H3	Coarse textured or moderately shallow soils which readily transmit non-adsorbed pollutants and liquid discharges but have some ability to attenuate adsorbed pollutants because of their clay or organic matter content.
454	N	Major Aquifer/High Leaching Potential	H3	Coarse textured or moderately shallow soils which readily transmit non-adsorbed pollutants and liquid discharges but have some ability to attenuate adsorbed pollutants because of their clay or organic matter content.

5.9 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site?

Yes

5.9.1 Biological Quality:

Database searched and no data found.

5.9.2 Chemical Quality:

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAHI). In England, each chemical sample is measured for ammonia and dissolved oxygen. In Wales, the samples are measured for biological oxygen demand (BOD), ammonia and dissolved oxygen. The results are graded from A ('Very Good') to F ('Bad').

The following Chemical Quality records are shown on the Hydrology Map (5d):

ID	Distance (m)	Direction	NGR	River Quality Grade	Chemical Quality Grade				
					2005	2006	2007	2008	2009
20B	57.0	S	454800 228300	River Name: Padbury Brook Reach: Ardley Hethe End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A

5.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site? Yes

The following Detailed River Network records are represented on the Hydrology Map (5e):

ID	Distance (m)	Direction	Details	
1B	35.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
2	53.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
3	61.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
4	89.0	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
5	144.0	W	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
6	252.0	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
7	376.0	E	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
8	479.0	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined

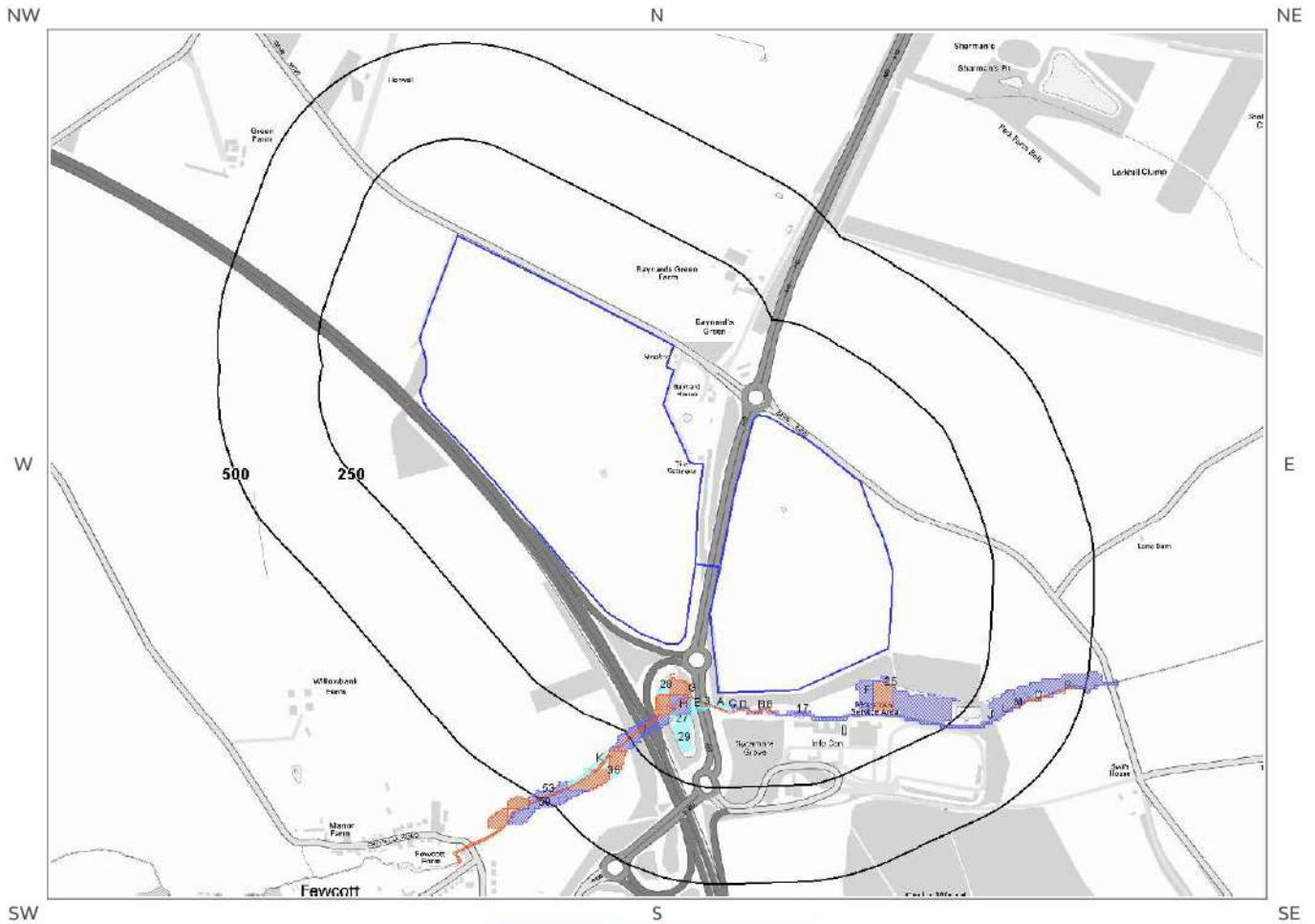
5.11 Surface Water Features

Are there any surface water features within 250m of the study site? Yes

The following surface water records are not represented on mapping:

Distance (m)	Direction
33.0	SW
63.0	S
65.0	S
68.0	W
79.0	S
89.0	SE
93.0	SW
115.0	SE

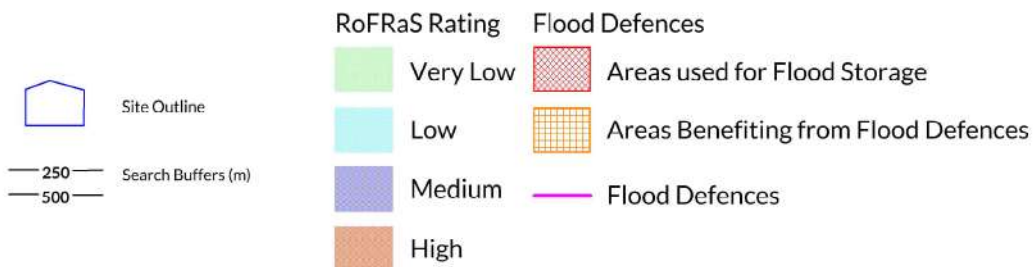
6. Environment Agency Risk of Flooding from Rivers and the Sea (RoFRaS) Map



Environment Agency Risk of Flooding From Rivers and the Sea (RoFRaS)



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6. Flooding

6.1 Risk of Flooding from Rivers and the Sea (RoFRaS)

What is the risk of flooding at the centre of the study site? Very Low

What is the highest risk of flooding within 25m of the centre of the study site? Low

The Environment Agency RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid as used by many of the insurance companies. RoFRaS data is based on a 50m grid system, with the flood rating at the centre of the grid calculated and given below. The data considers the probability that the flood defences will overtop or breach, and the distance from the river or the sea.

RoFRaS data for the study site indicates the property or an area within 25m has a Low (greater than 1 in 1000 but less than 1 in 100) chance of flooding in any given year.

The following floodplain records within 50m of the study site are represented on the River and Coastal Flood Risk Map above:

ID	Distance (m)	Direction	Rofras Flood Risk
1A	24	S	Low
2C	30	S	Medium
3	35	S	High
4A	35	S	High
5D	37	S	Medium
6B	39	S	Medium
7B	40	S	High
8	40	S	Medium
9E	42	SW	Low
10F	43	SE	Medium
11C	45	S	High
12C	45	S	High
13	46	S	Medium
14C	48	S	Very Low
15D	49	S	Very Low
16B	50	S	Medium

6.2 Flood Defences

Are there any Flood Defences within 250m of the study site? No

Database searched and no data found.

6.3 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? No

6.4 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site? No

6.5 Groundwater Flooding Susceptibility Areas

6.5.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site?

Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Clearwater Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

6.5.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

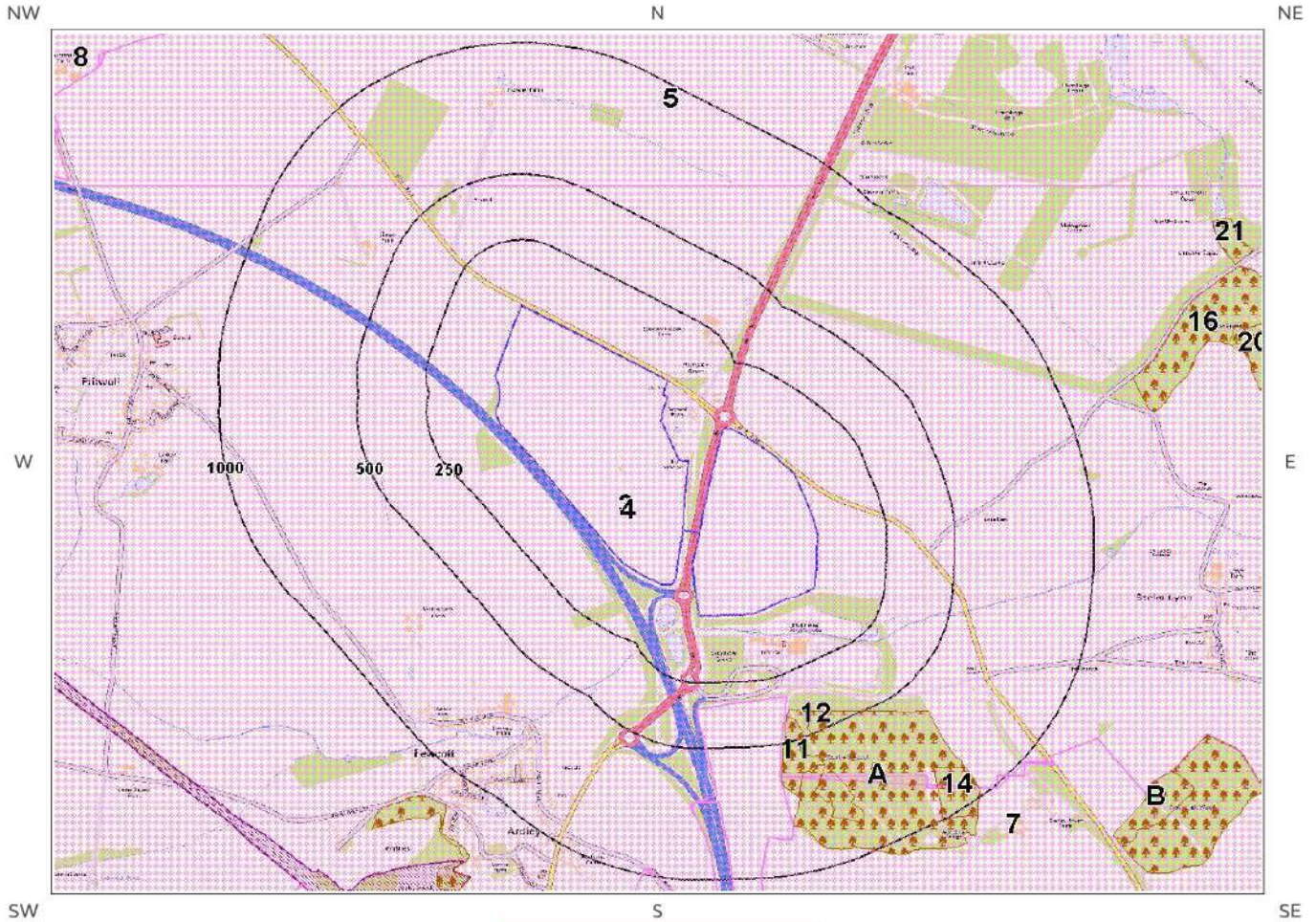
6.6 Groundwater Flooding Confidence Areas

What is the British Geological Survey confidence rating in this result? High

Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

7. Designated Environmentally Sensitive Sites Map



Designated Environmentally Sensitive Sites Map



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- | | | | |
|--|--------------------------|---------------------------------|-------------------------|
| Site Outline | AONB | Green Belt | Ancient Woodland |
| Search Buffers (m)
— 100 —
— 250 — | National Park | Environmentally Sensitive Areas | National Nature Reserve |
| SSSI | Special Protection Areas | Special Areas of Conservation | Local Nature Reserves |
| Nitrate Vulnerable Zones | World Heritage Sites | Nitrate Sensitive Areas | Ramsar Sites |

7. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site? Yes

7.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

2

The following Site of Special Scientific Interest (SSSI) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	SSSI Name	Data Source
1	1257.0	SW	Ardley Cutting and Quarry	Natural England
Not shown	1729.0	S	Ardley Trackways	Natural England

7.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

7.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

7.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

7.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

7.6 Records of Ancient Woodland within 2000m of the study site:

12

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
10A	384.0	S	UNKNOWN	Ancient and Semi-Natural Woodland
11	407.0	S	UNKNOWN	Ancient Replanted Woodland
12	415.0	SE	UNKNOWN	Ancient Replanted Woodland
13A	631.0	SE	UNKNOWN	Ancient Replanted Woodland
14	812.0	SE	UNKNOWN	Ancient Replanted Woodland
15	1121.0	SW	UNKNOWN	Ancient and Semi-Natural Woodland
16	1270.0	E	UNKNOWN	Ancient and Semi-Natural Woodland
17B	1427.0	SE	UNKNOWN	Ancient Replanted Woodland
18B	1453.0	SE	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1539.0	S	UNKNOWN	Ancient and Semi-Natural Woodland
20	1626.0	E	UNKNOWN	Ancient Replanted Woodland
21	1764.0	NE	UNKNOWN	Ancient and Semi-Natural Woodland

7.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

0

Database searched and no data found.

7.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

7.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

7.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

7.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

7.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

7.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

7

The following Nitrate Vulnerable Zone records produced by DEFRA are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	NVZ Name	Data Source
3	0.0	On Site	Existing	DEFRA
4	0.0	On Site	Existing	DEFRA
5	454.0	N	Existing	DEFRA
6	454.0	N	Existing	DEFRA
7	619.0	S	Existing	DEFRA
8	1346.0	N	Existing	DEFRA
Not shown	1989.0	SE	New	DEFRA

7.14 Records of Green Belt land within 2000m of the study site:

0

Database searched and no data found.

8. Natural Hazards Findings

8.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a **Groundsure GeoInsight**, available from our **website**. The following information has been found:

8.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

8.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

* This indicates an automatically generated 50m buffer and site.

8.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

Significant soluble rocks are present. Low possibility of subsidence occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow. Consider implications for stability when changes to drainage or new construction are planned. For new build site investigation should consider potential for dissolution problems on the site and its surroundings. Care should be taken with local drainage into the bedrock. Some possibility groundwater pollution. For existing property possible increase in insurance risk due to soluble rocks.

8.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site? Moderate

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

Significant potential for compressibility problems. Avoid large differential loadings of ground. Do not drain or de-water ground near the property without technical advice. For new build consider possibility of compressible ground in ground investigation, construction and building design. Consider effects of groundwater changes. Extra construction costs are likely. For existing property possible increase in insurance risk from compressibility, especially if water conditions or loading of the ground change significantly.

8.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

8.1.6 Running Sand

What is the maximum Running Sand* hazard rating identified on the study site?

Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property no significant increase in insurance risk due to running sand problems is likely.

* This indicates an automatically generated 50m buffer and site.

9. Mining

9.1 Coal Mining

Are there any coal mining areas within 75m of the study site? No

Database searched and no data found.

9.2 BGS Non Coal Mining Hazards

What is the potential for undermining as a result of underground mineral extraction, excluding coal and minerals extracted as a consequence of coal mining? Unclassified

Database searched and no data found.

9.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site? No

Guidance: No Guidance Required.

Contact Details

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sales@emapsite.com

British Geological Survey Enquiries

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BGS Geological Hazards Reports and general geological enquiries

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Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk

Public Health England

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www.gov.uk/phe
Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000

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www.coal.gov.uk

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Web: <http://www.cherwell-dc.gov.uk/>
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emapsite™



Public Health England



The Coal Authority



Acknowledgements: Site of Special Scientific Interest, National Nature Reserve, Ramsar Site, Special Protection Area, Special Area of Conservation data is provided by, and used with the permission of, Natural England who retain the Copyright and Intellectual Property Rights for the data.

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This report has been prepared in accordance with the Groundsure Ltd standard Terms and Conditions of business for work of this nature.

Standard Terms and Conditions

1 Definitions

In these terms and conditions unless the context otherwise requires:

"Beneficiary" means the person or entity for whose benefit the Client has obtained the Services.

"Client" means the party or parties entering into a Contract with Groundsure.

"Commercial" means any building or property which is not Residential.

"Confidential Information" means the contents of this Contract and all information received from the Client as a result of, or in connection with, this Contract other than

(i) information which the Client can prove was rightfully in its possession prior to disclosure by Groundsure and

(ii) any information which is in the public domain (other than by virtue of a breach of this Contract).

"Support Services" means Support Services provided by Groundsure including, without limitation, interpreting third party and in-house environmental data, providing environmental support advice, undertaking environmental audits and assessments, Site investigation, Site monitoring and related items.

"Contract" means the contract between Groundsure and the Client for the provision of the Services, and which shall incorporate these terms and conditions, the Order, and the relevant User Guide.

"Third Party Data Provider" means any third party providing Third Party Content to Groundsure.

"Data Reports" means reports comprising factual data with no accompanying interpretation.

"Fees" has the meaning set out in clause 5.1.

"Groundsure" means Groundsure Limited, a company registered in England and Wales under number 03421028.

"Groundsure Materials" means all materials prepared by Groundsure and provided as part of the Services, including but not limited to Third Party Content, Data Reports, Mapping, and Risk Screening Reports.

"Intellectual Property" means any patent, copyright, design rights, trade or service mark, moral rights, data protection rights, know-how or trade mark in each case whether registered or not and including applications for the same or any other rights of a similar nature anywhere in the world.

"Mapping" means a map, map data or a combination of historical maps of various ages, time periods and scales.

"Order" means an electronic, written or other order form submitted by the Client requesting Services from Groundsure in respect of a specified Site.

"Ordnance Survey" means the Secretary of State for Business, Innovation and Skills, acting through Ordnance Survey, Adanac Drive, Southampton, SO16 0AS, UK.

"Order Website" means the online platform through which Orders may be placed by the Client and accepted by Groundsure.

"Report" means a Risk Screening Report or Data Report for Commercial or Residential property.

"Residential" means any building or property used as or intended to be used as a single dwelling.

"Risk Screening Report" means a risk screening report comprising factual data with an accompanying interpretation by Groundsure.

"Services" means any Report, Mapping and/or Support Services which Groundsure has agreed to provide by accepting an Order pursuant to clause 2.6.

"Site" means the area of land in respect of which the Client has requested Groundsure to provide the Services.

"Third Party Content" means data, database information or other information which is provided to Groundsure by a Third Party Data Provider.

"User Guide" means the user guide, as amended from time to time, available upon request from Groundsure and on the website (www.Groundsure.com) and forming part of this Contract.

2 Scope of Services, terms and conditions, requests for insurance and quotations

2.1 Groundsure agrees to provide the Services in accordance with the Contract.

2.2 Groundsure shall exercise reasonable skill and care in the provision of the Services.

2.3 Subject to clause 7.3 the Client acknowledges that it has not relied on any statement or representation made by or on behalf of Groundsure which is not set out and expressly agreed in writing in the Contract and all such statements and representations are hereby excluded to the fullest extent permitted by law.

2.4 The Client acknowledges that terms and conditions appearing on a Client's order form, printed stationery or other communication, or any terms or conditions implied by custom, practice or course of dealing shall be of no effect, and that this Contract shall prevail over all others in relation to the Order.

2.5 If the Client or Beneficiary requests insurance in conjunction with or as a result of the Services, Groundsure shall use reasonable endeavours to recommend such insurance, but makes no warranty that such insurance shall be available from insurers or that it will be offered on reasonable terms. Any insurance purchased by the Client or Beneficiary shall be subject solely to the terms of the policy issued by insurers and Groundsure will have no liability therefor. In addition you acknowledge and agree that Groundsure does not act as an agent or broker for any insurance providers. The Client should take (and ensure that the Beneficiary takes) independent advice to ensure that the insurance policy requested or offered is suitable for its requirements.

2.6 Groundsure's quotations or proposals are valid for a period of 30 days only unless an alternative period of time is explicitly stipulated by Groundsure. Groundsure reserves the right to withdraw any quotation or proposal at any time before an Order is accepted by Groundsure. Groundsure's acceptance of an Order shall be binding only when made in writing and signed by Groundsure's authorised representative or when accepted through the Order Website.

3 The Client's obligations

3.1 The Client shall comply with the terms of this Contract and

(i) procure that the Beneficiary or any third party relying on the Services complies with and acts as if it is bound by the Contract and

(ii) be liable to Groundsure for the acts and omissions of the Beneficiary or any third party relying on the Services as if such acts and omissions were those of the Client.

3.2 The Client shall be solely responsible for ensuring that the Services are appropriate and suitable for its and/or the Beneficiary's needs.

3.3 The Client shall supply to Groundsure as soon as practicable and without charge all requisite information (and the Client warrants that such information is accurate, complete and appropriate), including without limitation any environmental information relating to the Site and shall give such assistance as Groundsure shall reasonably require in the provision of the Services including, without limitation, access to the Site, facilities and equipment.

3.4 Where the Client's approval or decision is required to enable Groundsure to carry out work in order to provide the Services, such approval or decision shall be given or procured in reasonable time and so as not to delay or disrupt the performance of the Services.

3.5 Save as expressly permitted by this Contract the Client shall not, and shall procure that the Beneficiary shall not, re-sell, alter, add to, or amend the Groundsure Materials, or use the Groundsure Materials in a manner for which they were not intended. The Client may make the Groundsure Materials available to a third party who is considering acquiring some or all of, or providing funding in relation to, the Site, but such third party cannot rely on the same unless expressly permitted under clause 4.

3.6 The Client is responsible for maintaining the confidentiality of its user name and password if using the Order Website and the Client acknowledges that Groundsure accepts no liability of any kind for any loss or damage suffered by the Client as a consequence of using the Order Website.

4 Reliance

4.1 The Client acknowledges that the Services provided by Groundsure consist of the presentation and analysis of Third Party Content and other content and that information obtained from a Third Party Data Provider cannot be guaranteed or warranted by Groundsure to be reliable.

4.2 In respect of Data Reports, Mapping and Risk Screening Reports, the following classes of person and no other are entitled to rely on their contents;

- (i) the Beneficiary,
- (ii) the Beneficiary's professional advisers, (iii) any person providing funding to the Beneficiary in relation to the Site (whether directly or as part of a lending syndicate),
- (iv) the first purchaser or first tenant of the Site, and
- (v) the professional advisers and lenders of the first purchaser or tenant of the Site.

4.3 In respect of Support Services, only the Client, Beneficiary and parties expressly named in a Report and no other parties are entitled to rely on its contents.

4.4 Save as set out in clauses 4.2 and 4.3 and unless otherwise expressly agreed in writing, no other person or entity of any kind is entitled to rely on any Services or Report issued or provided by Groundsure. Any party considering such Reports and Services does so at their own risk.

5 Fees and Disbursements

5.1 Groundsure shall charge and the Client shall pay fees at the rate and

frequency specified in the written proposal, Order Website or Order acknowledgement form, plus (in the case of Support Services) all proper disbursements incurred by Groundsure. The Client shall in addition pay all value added tax or other tax payable on such fees and disbursements in relation to the provision of the Services (together "Fees").

5.2 The Client shall pay all outstanding Fees to Groundsure in full without deduction, counterclaim or set off within 30 days of the date of Groundsure's invoice or such other period as may be agreed in writing between Groundsure and the Client ("Payment Date"). Interest on late payments will accrue on a daily basis from the Payment Date until the date of payment (whether before or after judgment) at the rate of 8% per annum.

5.3 The Client shall be deemed to have agreed the amount of any invoice unless an objection is made in writing within 28 days of the date of the invoice. As soon as reasonably practicable after being notified of an objection, without prejudice to clause 5.2 a member of Groundsure's management team will contact the Client and the parties shall then use all reasonable endeavours to resolve the dispute within 15 days.

6 Intellectual Property and Confidentiality

6.1 Subject to

- (i) full payment of all relevant Fees and
- (ii) compliance with this Contract, the Client is granted (and is permitted to sub-licence to the Beneficiary) a royalty-free, worldwide, non-assignable and (save to the extent set out in this Contract) non-transferable licence to make use of the Groundsure Materials.

6.2 All Intellectual Property in the Groundsure Materials are and shall remain owned by Groundsure or Groundsure's licensors (including without limitation the Third Party Data Providers) the Client acknowledges, and shall procure acknowledgement by the Beneficiary of, such ownership. Nothing in this Contract purports to transfer or assign any rights to the Client or the Beneficiary in respect of such Intellectual Property.

6.3 Third Party Data Providers may enforce any breach of clauses 6.1 and 6.2 against the Client or Beneficiary.

6.4 The Client shall, and shall procure that any recipients of the Groundsure Materials shall:

- (i) not remove, suppress or modify any trade mark, copyright or other proprietary marking belonging to Groundsure or any third party from the Services;
- (ii) use the information obtained as part of the Services in respect of the subject Site only, and shall not store or reuse any information obtained as part of the Services provided in respect of adjacent or nearby sites;
- (iii) not create any product or report which is derived directly or indirectly from the Services (save that those acting in a professional capacity to the Beneficiary may provide advice based upon the Services);
- (iv) not combine the Services with or incorporate such Services into any other information data or service;
- (v) not reformat or otherwise change (whether by modification, addition or enhancement), the Services (save that those acting for the Beneficiary in a professional capacity shall not be in breach of this clause 6.4(v) where such reformatting is in the normal course of providing advice based upon the Services);
- (vi) where a Report and/or Mapping contains material belonging to Ordnance Survey, acknowledge and agree that such content is protected by Crown Copyright and shall not use such content for any purpose outside of receiving the Services; and
- (vii) not copy in whole or in part by any means any map prints or run-on copies containing content belonging to Ordnance Survey (other than that contained within Ordnance Survey's OS Street Map) without first being in possession of a valid Paper Map Copying Licence from Ordnance Survey,

6.5 Notwithstanding clause 6.4, the Client may make reasonable use of the Groundsure Materials in order to advise the Beneficiary in a professional capacity. However, Groundsure shall have no liability in respect of any advice, opinion or report given or provided to Beneficiaries by the Client.

6.6 The Client shall procure that any person to whom the Services are made available shall notify Groundsure of any request or requirement to disclose, publish or disseminate any information contained in the Services in accordance with the Freedom of Information Act 2000, the Environmental Information Regulations 2004 or any associated legislation or regulations in force from time to time.

7. Liability: Particular Attention Should Be Paid To This Clause

7.1 This Clause 7 sets out the entire liability of Groundsure, including any liability for the acts or omissions of its employees, agents, consultants, subcontractors and Third Party Content, in respect of:

- (i) any breach of contract, including any deliberate breach of the Contract by Groundsure or its employees, agents or

subcontractors;

- (ii) any use made of the Reports, Services, Materials or any part of them; and
- (iii) any representation, statement or tortious act or omission (including negligence) arising under or in connection with the Contract.

7.2 All warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.

7.3 Nothing in the Contract limits or excludes the liability of the Supplier for death or personal injury resulting from negligence, or for any damage or liability incurred by the Client or Beneficiary as a result of fraud or fraudulent misrepresentation.

7.4 Groundsure shall not be liable for

- (i) loss of profits;
- (ii) loss of business;
- (iii) depletion of goodwill and/or similar losses;
- (iv) loss of anticipated savings;
- (v) loss of goods;
- (vi) loss of contract;
- (vii) loss of use;
- (viii) loss or corruption of data or information;
- (ix) business interruption;
- (x) any kind of special, indirect, consequential or pure economic loss, costs, damages, charges or expenses;
- (xi) loss or damage that arise as a result of the use of all or part of the Groundsure Materials in breach of the Contract;
- (xii) loss or damage arising as a result of any error, omission or inaccuracy in any part of the Groundsure Materials where such error, omission or inaccuracy is caused by any Third Party Content or any reasonable interpretation of Third Party Content;
- (xiii) loss or damage to a computer, software, modem, telephone or other property; and
- (xiv) loss or damage caused by a delay or loss of use of Groundsure's internet ordering service.

7.5 Groundsure's total liability in relation to or under the Contract shall be limited to £10 million for any claim or claims.

7.6 Groundsure shall procure that the Beneficiary shall be bound by limitations and exclusions of liability in favour of Groundsure which accord with those detailed in clauses 7.4 and 7.5 (subject to clause 7.3) in respect of all claims which the Beneficiary may bring against Groundsure in relation to the Services or other matters arising pursuant to the Contract.

8 Groundsure's right to suspend or terminate

8.1 If Groundsure reasonably believes that the Client or Beneficiary has not provided the information or assistance required to enable the proper provision of the Services, Groundsure shall be entitled to suspend all further performance of the Services until such time as any such deficiency has been made good.

8.2 Groundsure shall be entitled to terminate the Contract immediately on written notice in the event that:

- (i) the Client fails to pay any sum due to Groundsure within 30 days of the Payment Date; or
- (ii) the Client (being an individual) has a bankruptcy order made against him or (being a company) shall enter into liquidation whether compulsory or voluntary or have an administration order made against it or if a receiver shall be appointed over the whole or any part of its property assets or undertaking or if the Client is struck off the Register of Companies or dissolved; or
- (iii) the Client being a company is unable to pay its debts within the meaning of Section 123 of the Insolvency Act 1986 or being an individual appears unable to pay his debts within the meaning of Section 268 of the Insolvency Act 1986 or if the Client shall enter into a composition or arrangement with the Client's creditors or shall suffer distress or execution to be levied on his goods; or
- (iv) the Client or the Beneficiary breaches any term of the Contract (including, but not limited to, the obligations in clause 4) which is incapable of remedy or if remediable, is not remedied within five days of notice of the breach.

9. Client's Right to Terminate and Suspend

9.1 Subject to clause 10.1, the Client may at any time upon written notice terminate or suspend the provision of all or any of the Services.

9.2 In any event, where the Client is a consumer (and not a business) he/she hereby expressly acknowledges and agrees that:

(i) the supply of Services under this Contract (and therefore the performance of this Contract) commences immediately upon Groundsure's acceptance of the Order; and

(ii) the Reports and/or Mapping provided under this Contract are

(a) supplied to the Client's specification(s) and in any event

(b) by their nature cannot be returned.

10 Consequences of Withdrawal, Termination or Suspension

10.1 Upon termination of the Contract:

(i) Groundsure shall take steps to bring to an end the Services in an orderly manner, vacate any Site with all reasonable speed and shall deliver to the Client and/or Beneficiary any property of the Client and/or Beneficiary in Groundsure's possession or control; and

(ii) the Client shall pay to Groundsure all and any Fees payable in respect of the performance of the Services up to the date of termination or suspension. In respect of any Support Services provided, the Client shall also pay Groundsure any additional costs incurred in relation to the termination or suspension of the Contract.

11 Anti-Bribery

11.1 The Client warrants that it shall:

(i) comply with all applicable laws, statutes and regulations relating to anti-bribery and anti-corruption including but not limited to the Bribery Act 2010;

(ii) comply with such of Groundsure's anti-bribery and anti-corruption policies as are notified to the Client from time to time; and

(iii) promptly report to Groundsure any request or demand for any undue financial or other advantage of any kind received by or on behalf of the Client in connection with the performance of this Contract.

11.2 Breach of this Clause 11 shall be deemed a material breach of this Contract.

12 General

12.1 The Mapping contained in the Services is protected by Crown copyright and must not be used for any purpose other than as part of the Services or as specifically provided in the Contract.

12.2 The Client shall be permitted to make one copy only of each Report or Mapping Order. Thereafter the Client shall be entitled to make unlimited copies of the Report or Mapping Order only in accordance with an Ordnance Survey paper map copy license available through Groundsure.

12.3 Groundsure reserves the right to amend or vary this Contract. No amendment or variation to this Contract shall be valid unless signed by an authorised representative of Groundsure.

12.4 No failure on the part of Groundsure to exercise, and no delay in exercising, any right, power or provision under this Contract shall operate as a waiver thereof.

12.5 Save as expressly provided in this Contract, no person other than the persons set out therein shall have any right under the Contract (Rights of Third Parties) Act 1999 to enforce any terms of the Contract.

12.6 The Secretary of State for Business, Innovation and Skills ("BIS") or BIS' successor body, as the case may be, acting through Ordnance Survey may enforce a breach of clause 6.4(vi) and clause 6.4(vii) of these terms and conditions against the Client in accordance with the provisions of the Contracts (Rights of Third Parties) Act 1999.

12.7 Groundsure shall not be liable to the Client if the provision of the Services is delayed or prevented by one or more of the following circumstances:

(i) the Client or Beneficiary's failure to provide facilities, access or information;

(ii) fire, storm, flood, tempest or epidemic;

(iii) Acts of God or the public enemy;

(iv) riot, civil commotion or war;

(v) strikes, labour disputes or industrial action;

(vi) acts or regulations of any governmental or other agency;

(vii) suspension or delay of services at public registries by Third Party Data Providers;

(viii) changes in law; or

(ix) any other reason beyond Groundsure's reasonable control.

In the event that Groundsure is prevented from performing the Services (or any part thereof) in accordance with this clause 12.6 for a period of not less than 30 days then Groundsure shall be entitled to terminate this Contract immediately on written notice to the Client.

12.8 Any notice provided shall be in writing and shall be deemed to be properly given if delivered by hand or sent by first class post, facsimile or by email to the address, facsimile number or email address of the relevant party as may have been notified by each party to the other for such purpose or in the absence of such notification the last known address.

12.9 Such notice shall be deemed to have been received on the day of delivery if delivered by hand, facsimile or email (save to the extent such day is not a working day where it shall be deemed to have been delivered on the next working day) and on the second working day after the day of posting if sent by first class post.

12.10 The Contract constitutes the entire agreement between the parties and shall supersede all previous arrangements between the parties relating to the subject matter hereof.

12.11 Each of the provisions of the Contract is severable and distinct from the others and if one or more provisions is or should become invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions shall not in any way be tainted or impaired.

12.12 This Contract shall be governed by and construed in accordance with English law and any proceedings arising out of or connected with this Contract shall be subject to the exclusive jurisdiction of the English courts.

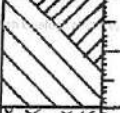

12.13 Groundsure is an executive member of the Council of Property Search Organisation (CoPSO) and has signed up to the Search Code administered by the Property Codes Compliance Board (PCCB). All Risk Screening Reports shall be supplied in accordance with the provisions of the Search Code.

12.14 If the Client or Beneficiary has a complaint about the Services, written notice should be given to the Compliance Officer at Groundsure who will respond in a timely manner.

12.15 The Client agrees that it shall, and shall procure that each Beneficiary shall, treat in confidence all Confidential Information and shall not, and shall procure that each Beneficiary shall not (i) disclose any Confidential Information to any third party other than in accordance with the terms of this Contract; and (ii) use Confidential Information for a purpose other than the exercise of its rights and obligations under this Contract. Subject to clause 6.6, nothing shall prevent the Client or any Beneficiary from disclosing Confidential Information to the extent required by law.

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In SW of Western Part of Site

LOCATION: Euro 5 Distribution Centre Ardley		BOREHOLE No: Three		DATE OF BORING: 14.03.1991		
Description of Strata	Strata Change		Samples		SPT CPT N-Value	Water Level -m
	Legend	Depth -m	O.D. Level -m	Depth -m		
TOPSOIL Soft brown clayey SILT with rootlets						
SUPERFICIAL DEPOSITS Firm mid brown clayey SILT with much limestone sand and gravel						
GREAT OOLITE Borehole advanced by rotary drilling see over		1.00				
		2.00				
		3.00				
		4.00				
		5.00				
BOREHOLE DIAMETER: 200mm		GROUND LEVEL:		▽ - Water Strike ▾ - Water (Standing Level) W - Water Sample B/J - Bulk/Jar Sample SPT - Standard Penetration Test CPT - Cone Penetration Test * - extrapolated value (U) - Undisturbed sample no. of blows shown in brackets		
LINING TUBES : Nil		PIEZOMETER :				
CHISELLING : At 0.90m for 0.25 hours; no progress						
REMARKS : Borehole drilled from existing ground level						
DATE March 1991	BOREHOLE LOG		REPORT No. S.1649			



**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 15953647 : BGS Reference:
SP52NW282

British National Grid (27700) : 454420,228830

[Report an issue with this borehole](#)

<< < Prev Page 1 of 3 ▾ Next > >>

In SW of Western Part of Site

LOCATION: Euro 5 Distribution Centre Ardley		BOREHOLE No. Three				
DATE OF BORING:						
Description of Strata	STRATA CHANGE		R Q D %	T C R %	S C R %	Description of Discontinuities
	LEGEND	DEPTH M				
OPEN BOREHOLE						
GREAT OOLITE Light grey brown shelly LIMESTONE moderately strong		1.00	0	26	12	
Light grey brown shelly LIMESTONE moderately strong with bands of firm sandy silt		2.00	0	56	49	▼ 1.73
Light grey brown shelly LIMESTONE strong		3.00	18	66	47	
- weak between 2.95 and 3.10m		3.00	40	100	82	
- weak at 3.90 to 4.10m with some sandy silt		4.00	36	100	100	
Stiff dark brown to dark grey slightly sandy silty CLAY		4.00	41	87	66	
Grey LIMESTONE very closely jointed strong		5.00				
BOREHOLE DIAMETER: 45mm		DEPTH OF CASING :		DRILLING METHOD : Water flt		
GROUND LEVEL :		WATER LEVEL :		ORIENTATION : Vertical		
REMARKS : Borehole drilled from existing ground level				OS GRID REFERENCE:		
DATE March 1991	BOREHOLE LOG				REPORT S.16.	

In North of Western Part of Site

LOCATION: Euro 5 Distribution Centre Ardley		BOREHOLE No. One			DATE OF BORING: 14.03.1991		
Description of Strata	STRATA CHANGE		R Q D	T C R	S C R	Description of Discontinuities	STATE OF WEATHERING
	LEGEND	DEPTH M					
TOPSOIL Soft dark brown clayey SILT with rootlets							
SUPERFICIAL DEPOSITS Firm mid brown clayey SILT with much shelly limestone and quartzite gravel		0.00	0	14	0		
GREAT OOLITE Light grey brown shelly LIMESTONE and sandy SILT		2.00	0	34	13		
Light grey brown shelly LIMESTONE, strong with some dry sandy silt		2.00	0	80	60		
Light grey brown shelly LIMESTONE, strong		3.00	25	95	65		
Firm to stiff light mid brown slightly clayey SILT		4.00	74	100	93		
Light grey brown shelly LIMESTONE, strong		4.00					
Mid brown oolitic LIMESTONE, weak		5.00					
BOREHOLE DIAMETER: 45mm		DEPTH OF CASING :		DRILLING METHOD : Water flush			
GROUND LEVEL :				ORIENTATION : Vertical			
WATER LEVEL :				OS GRID REFERENCE:			
REMARKS : Borehole drilled from existing ground level							
DATE March 1991	BOREHOLE LOG					REPORT NO. S.1649	



**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

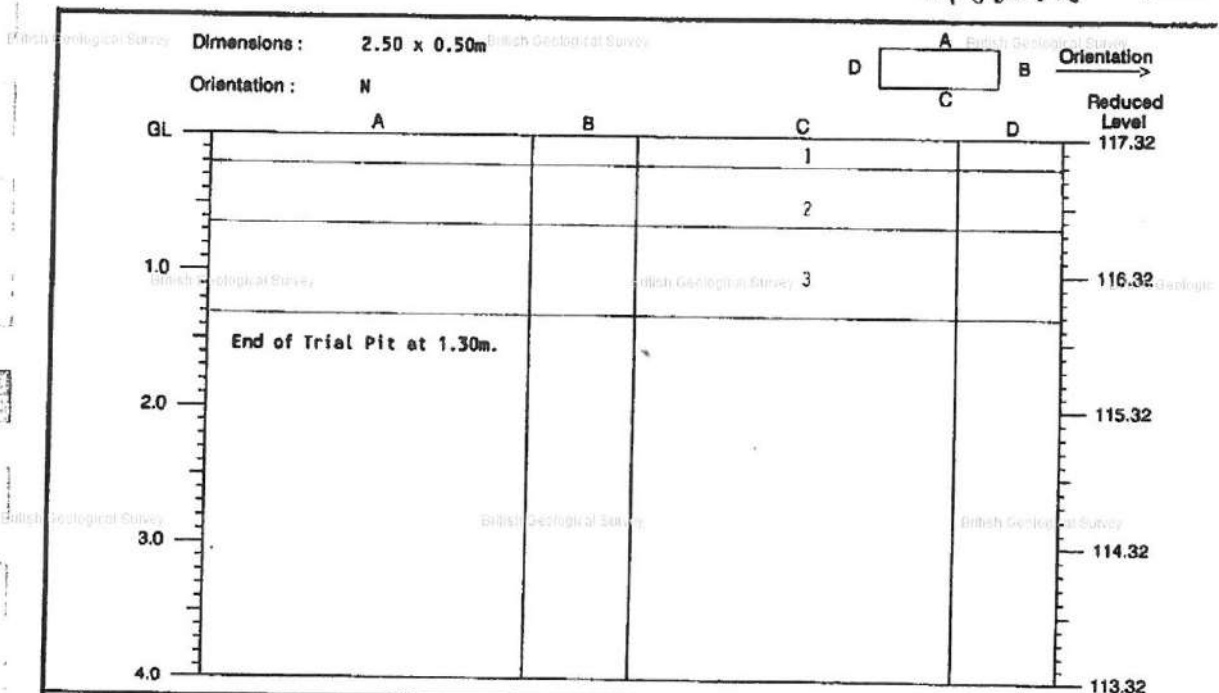
BGS ID: 15953645 : BGS Reference:
SP52NW280

British National Grid (27700) : 454530,229220

[Report an issue with this borehole](#)

<< < Prev Page 1 of 2 ▾ Next > >>

GP52NW 23



Strata			Samples and Tests		
Depth (m)	No.	Description	Depth (m)	Type	Results
0.00-0.20	1	TOPSOIL soft brown slightly desiccated slightly sandy silty clay with some limestone gravel and rootlets.			
0.20-0.65	2	Firm brown and yellow brown sandy very silty CLAY with much angular to sub-angular fine to coarse limestone gravel and occasional cobbles and with some rootlets above 0.40m.			
0.65-1.30	3	Light grey moderately weathered fossiliferous oolitic LIMESTONE moderately weak with open clayey sand infilled very closely to closely spaced discontinuities above 1.30. (Great Oolite) Fresh below 1.30m	1.10-1.30	B	

Date of Excavation 01/07/91 Equipment JCB 3CX Stability Unstable	Groundwater No. Struck Behaviour Not encountered	Ground Level 117.32 Coordinates 454799.5 228810.5 Logged by DJW Checked by
--	--	--

Remarks In situ tests S2 performed in trial pit.

See key sheet and appendices for explanations.

Trial Pit Record	Project A43: M40 to B4031 Improvement Department of Transport	Contract M1062
Exploration Associates		Trial Pit T3

SP52NW 236

Dimensions: 2.60 x 0.45m Orientation: N					
GL 1.0 2.0 3.0 4.0	A B C D	Reduced Level 115.09 114.09 113.09 112.09 111.09			
End of Trial Pit at 0.90m.					
Strata			Samples and Tests		
Depth (m)	No.	Description	Depth (m)	Type	Results
0.00-0.30	1	TOPSOIL brown silty sandy clay with much angular to sub-angular fine to coarse limestone gravel and with many rootlets.			
0.30-0.55	2	Soft to firm brown and yellow brown sandy very silty CLAY with much angular to sub-angular fine to coarse limestone gravel and with some rootlets.	0.30	B	
0.55-0.90	3	Light grey moderately weathered oolitic LIMESTONE moderately weak with closely spaced yellow brown clay infilled discontinuities. (Recovered as clayey limestone gravel and cobbles). (Great Oolite)			
Date of Excavation 27/06/91 Equipment JCB 3CX Stability Moderately stable		Groundwater No. Struck Behaviour Groundwater was not encountered		Ground Level 115.09 Coordinates 454799.0 228605.0 Logged by DJM Checked by	
Remarks Percolation test P2 performed in trial pit					
See key sheet and appendices for explanations.					
Trial Pit Record		Project A43: M40 to B4031 Improvement Department of Transport		Contract M1062 Trial Pit T2	
Exploration Associates					

Adj. to west of Western Part of Site



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 336506 : BGS Reference: SP52NW73
British National Grid (27700) : 454060,229150

Report an issue with this borehole

<< < Prev Page 2 of 2 Next > >>

ENGINEER: OVE ARUP & PARTNERS		OXFORD TO BIRMINGHAM NEW ROUTE- OXFORD TO BANBURY SECTION		GROUND LEVEL 125.01 m O.D.		HOLE NO. 092														
LOGGED BY: JHR		EXCAVATION METHODS Rotary Coring - Dando 220 Rig.		COORDINATES 454057 E 229150 N		SHEET 2 OF 2														
FIELDWORK BY: Exploration Associates		105 mm diameter Rotary Coring from G.L. to 12.9 m.		DATES 2.5.79 to 3.5.79		FIGURE A														
LAB. TESTING BY: Exploration Associates																				
Date/Time of Drift	Depth of Coring	Depth to Water	Description of Strata	Log	Reduced Level	Depth	Graphical Representation	Sampling/In situ tests	Lab. Testing	Additional Tests and Notes										
Depth								No.	Blows	W _p %	W _L %	PL %	LL %	U _c %	U _L %	U _h %	d _h	T _v	d _v	
05.00	NIL	3.30	(100% (100% - 100% to 100%)																	
2.5.79			Weak brownish sandy clay with greenish grey calcareous shaly MISTLEWOOD approaching a sandy (100% to 100% - 100% to 100%)		112.90	11.06														0.11 79
			Very silty dark green silty clay becoming silty calcareous with an increasing amount of calcareous debris and some shell fragments. (100% to 100% - 100% to 100%)		112.30	11.65														
			Below 12.00 m clay black, not highly calcareous. No recovery below 12.5 m.		112.11	12.90														
			END																	

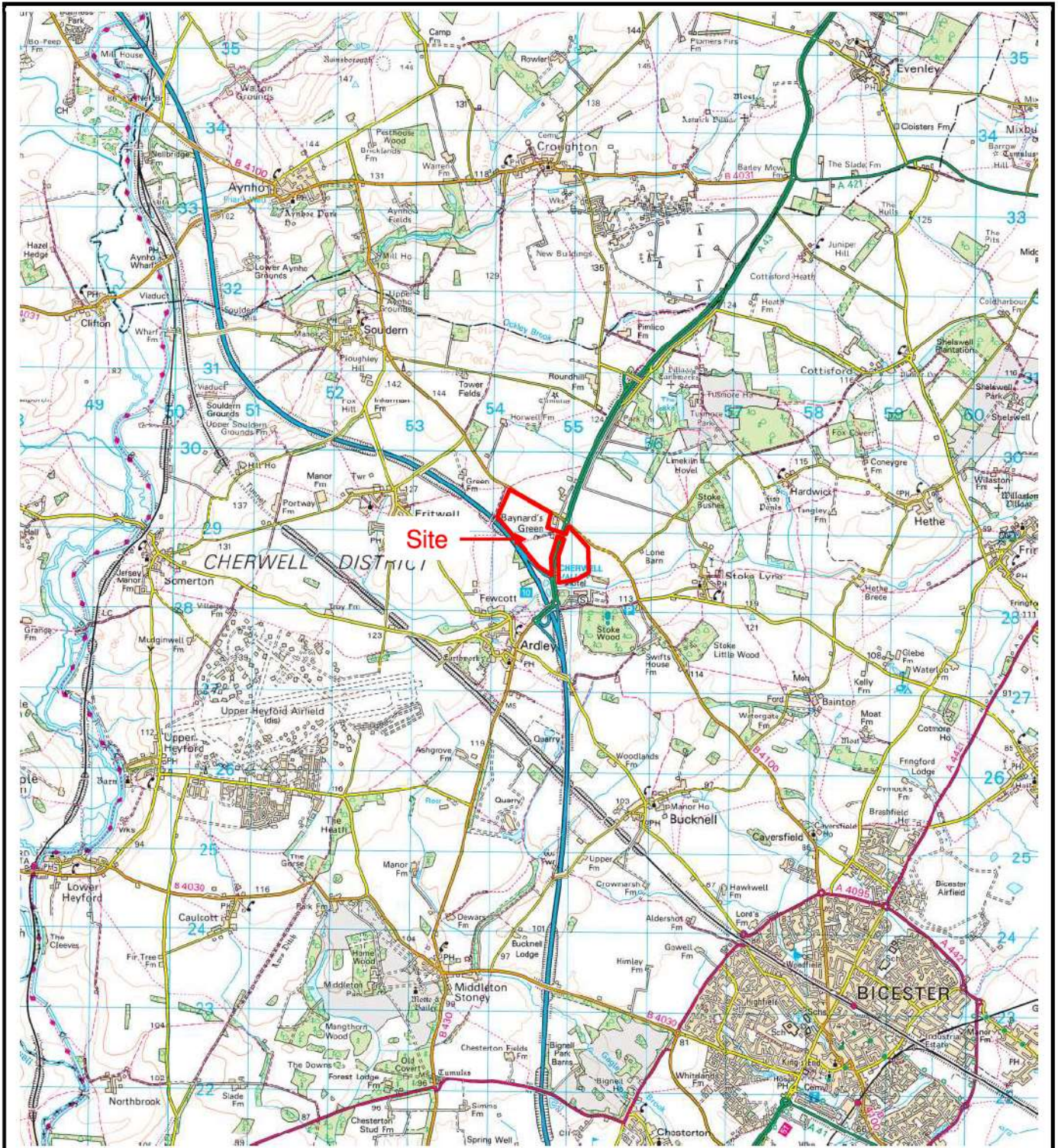
SP52NW73

(¹Point Load Index < 0.10 MN/m²)

WATER 1. First water strike 2. Subsequent water strikes
PIEZOMETER 1. Upper seal 2. Position length 3. Lower seal
SAMPLE D. Small disturbed sample 4. Recovery to seal 5. Rotary core 6. Blows - 10 blows 25/100, blow for 100mm drive after seating 25% blow for next or whole of seating drive only (25) Undisturbed sample
TEST W. Water sample 7. Undisturbed sample 8. Cone penetrometer test 9. Permeability test
KEY 1. Point Load Index 2. Blows
Platens between plates at 100mm

J. Timothy BSC. C. Eng. FICE, FINS Director
Eastern Road Construction Unit,



APPENDIX B



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APPLIED GEOLOGY Unit 23 Abbey Park Stareton Kenilworth CV8 2LY Tel: 02476 511822 email: admin@appliedgeology.co.uk			Client: ALBION LAND LTD
Drawn By: FD Checked By: AS Paper Size: A4			Project: LAND ADJACENT TO JUNCTION 10, M40, ARDLEY
Scale: NTS	Date: 13.08.2021	NGR: 454583 229025	Title: SITE LOCATION PLAN
Drawing No: AG3268-21-01		Revision: 0	

KEY:

-  Trial Pit
-  Soakaway

Drawing based on Bailey Johnson Hayes Dwg No. S1299-CS-01
 Rev A dated 24/07/2020.

Rev	Notes	Date	By
2	TP16 removed. TP16A renamed TP16.	16.08.2021	KM
1	*Proposed* removed from title. Footings shown as dug.	07.05.2021	KM

APPLIED GEOLOGY

Unit 23
 Abbey Park
 Stareton
 Kenilworth
 CV8 2LY

Tel: 02476 511822
 email: admin@appliedgeology.co.uk

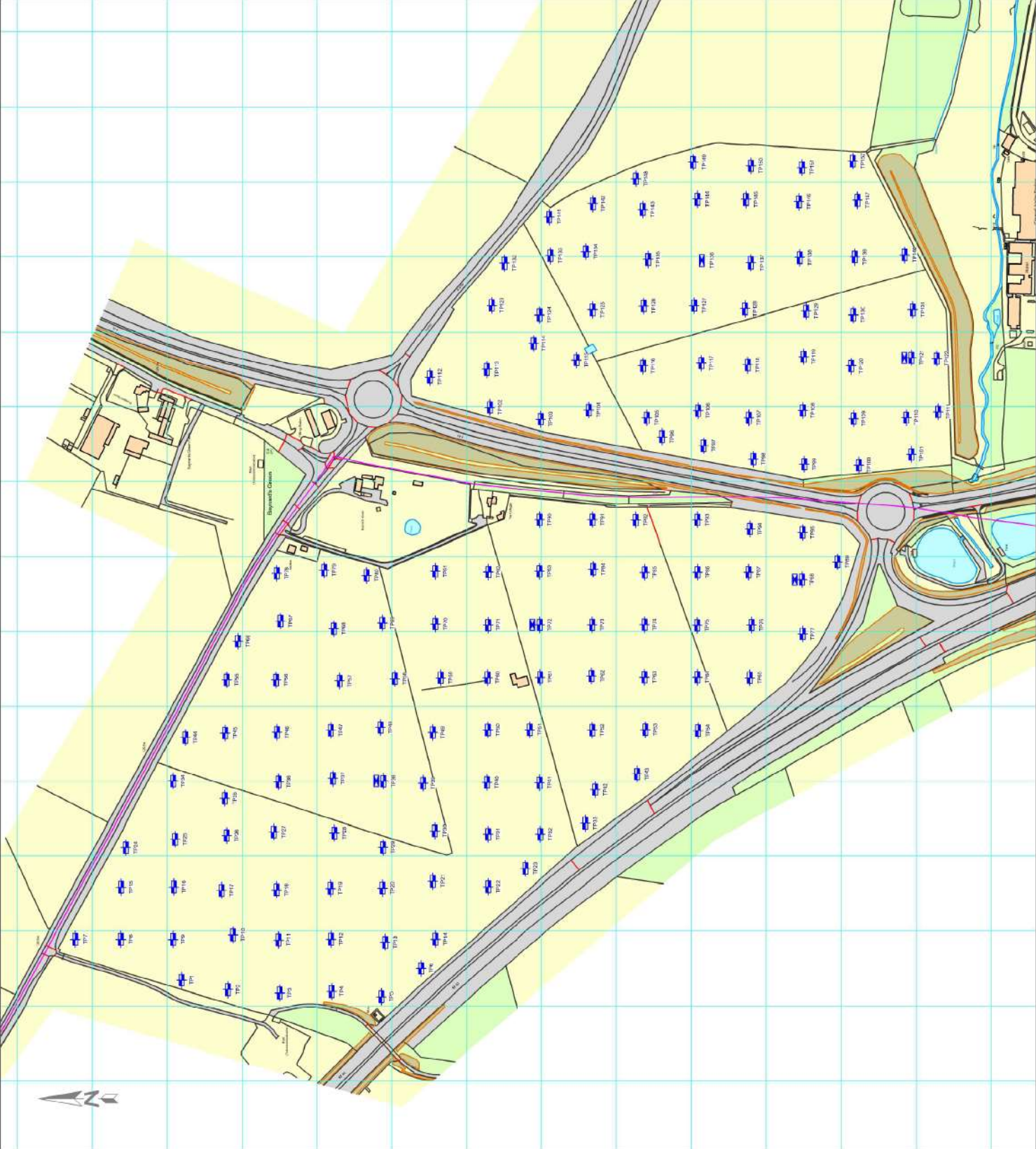
Client: ALBION LAND LTD

Project: ARDLEY, JUNCTION 10, M40

Title: EXPLORATORY HOLE LOCATION PLAN

Drawn By: FD	Checked By: KM	Paper Size: A3
Scale: NTS	Date: 11.05.2021	

Drawing No: AG3268-21-02	Revision: 2
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PRELIMINARY

B	09.08.21	Swales updated to allow for trees
A	28.07.21	Site Layout updated
REV	000	Issue for Construction

Revision Schedule

Junction 10 - M40



CONCEPT SITE LEVELS

BAILEY JOHNSON HAYES
Consulting Engineers

PO BOX 105, 5th Floor, 105, St. George's Road, Colchester, Essex, CO1 1JL, UK
WWW.BJH.CO.UK

Drawing Number: **S1299-Ext-05 B**

Date: 07.07.21
Drawn: JMG



Concept Site Levels (1:2500 @A1)



1:2500 @ A1

APPENDIX C

TRIAL PIT LOG

TP1

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 04/06/2021

Scale

1:25

Ground Level 127.05m AOD

Coordinates E 454133.92 N 229380.57

Total Depth

1.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.20)	E	Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone.		
D	0.25		126.85 126.70	0.20 (0.15) 0.35		(TOPSOIL)		
					M	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.90			(0.80)		Light orangish brown slightly clayey to clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D	1.30		125.90	1.15	H	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
B	1.40		125.57	(0.33)		Moderately strong LIMESTONE - unable to penetrate.		
			125.55	1.48 (0.02) 1.50		(WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.50m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.40m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP2

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 25/05/2021

Scale

1:25

Ground Level 126.39m AOD

Coordinates E 454121.67 N 229318.88

Total Depth

1.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		126.09	(0.30) 0.30	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	0.50					Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
LB	0.90			(1.10)	M			
D	1.40		124.99	1.40	M/H	Light creamy orangish brown very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	1.60		124.79	1.60				
B	1.70		124.59	1.80	H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.80m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP3

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 02/06/2021

Scale

1:25

Ground Level 125.69m AOD

Coordinates E 454117.33 N 229249.75

Total Depth

1.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		125.49	(0.20) 0.20	E	Soft to firm dark reddish brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	0.40		125.09	(0.40) 0.60	E/M	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.90			(0.85)	M	Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	1.50 1.50		124.24 124.09	1.45 (0.15) 1.60	H	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.60m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP4

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 25/05/2021

Scale

1:25

Ground Level 124.57m AOD

Coordinates E 454119.27 N 229180.37

Total Depth

1.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		124.37	(0.20)	E	Soft dark brown slightly silty slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone and quartzite.		
			124.27	(0.10)	E	(TOPSOIL)		
D	0.60			(0.90)	M	Soft dark reddish brown slightly silty slightly gravelly CLAY with occasional cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone.		
						Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone.		
						(WHITE LIMESTONE FORMATION)		
D	1.20		123.37	1.20	M/H	Light creamy orangish brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone.		
				(0.50)		(WHITE LIMESTONE FORMATION)		
D	1.70		122.87	1.70	VH	Moderately strong thinly bedded light creamy brownish white LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone.		
B	1.80		122.67	(0.20)		(WHITE LIMESTONE FORMATION)		
				1.90		End of Trial Pit at 1.90m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP5

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 25/05/2021

Scale

1:25

Ground Level 123.75m AOD

Coordinates E 454112.31 N 229114.16

Total Depth

1.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		123.45	(0.30)	E	Soft dark brown slightly silty slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
D	0.60		123.30	(0.15) (0.45)	E	Soft dark reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. (SUBSOIL)		
				(0.65)	E/M	Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	1.40		122.65	(0.45)	M	Light orangish brownish cream clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	1.60		122.20	1.55	H/VH	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B	1.70		122.15	(0.05)				
			121.95	1.60 (0.20) 1.80	VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.80m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP6

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 25/05/2021

Scale





1:25

Ground Level 122.80m AOD

Coordinates E 454150.02 N 229060.97

Total Depth

2.10m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		122.50	(0.30) 0.30	E	Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
D	0.60			(0.60)	E/M	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.90		121.90	0.90 (0.50)	M	Light creamy brownish white clayey GRAVEL with frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	1.60		121.40	1.40 (0.70)	H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as fine to coarse angular to subangular gravel, cobbles and boulders (maximum 0.30m x 0.30m) of tabular limestone. (WHITE LIMESTONE FORMATION)		
B	2.00		120.70	2.10		End of Trial Pit at 2.10m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length: 2.30m

Width: 0.60m

Logged: KM

Checked: AS

TRIAL PIT LOG

TP7

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 17/05/2021

Scale



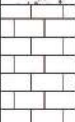

1:25

Ground Level 127.86m AOD

Coordinates E 454189.12 N 229522.51

Total Depth

2.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		127.56	(0.30) 0.30	E	Soft light reddish brown slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	0.80		126.66	(0.90) 1.20	E/M	Light orangish brown slightly sandy clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (WHITE LIMESTONE FORMATION)		
D	1.40		126.26	(0.40) 1.60	M	Moderately strong light creamy brown LIMESTONE recovered as gravel and cobbles of tabular subangular limestone and occasional boulders of subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	1.80 1.80		125.86	(0.40) 2.00	VH	Moderately strong thinly bedded light creamy brownish grey fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.00m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length: 2.20m

Width: 0.60m

Logged: KM

Checked: AS

TRIAL PIT LOG

TP8

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 17/05/2021

Scale

1:25

Ground Level 127.32m AOD

Coordinates

E 454189.04 N 229461.74

Total Depth

1.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.30)	E	Soft dark reddish brown slightly gravelly slightly silty CLAY with rare cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to angular limestone. Frequent rootlets near surface. (TOPSOIL)		
			127.02	0.30		Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.80			(1.15)	E/M			
			125.87	1.45				
B D	1.60 1.60			(0.35)	VH	Moderately strong light creamy brownish grey fossiliferous LIMESTONE recovered as tabular gravel, cobbles and boulders of limestone. (WHITE LIMESTONE FORMATION)		
			125.52	1.80		End of Trial Pit at 1.80m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.20m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP9

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 18/05/2021

Scale

1:25

Ground Level 126.08m AOD

Coordinates E 454188.83 N 229392.01

Total Depth

1.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.40			(0.30)	E	Soft dark brown CLAY with frequent rootlets near surface. Gravel is fine to coarse subangular to subrounded limestone and quartzite. (TOPSOIL)		
				125.78	0.30			
D	1.00			(0.20)	E	Soft to firm reddish brown slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to angular limestone. (SUBSOIL)		
				125.58	0.50			
D	1.40			(0.80)	E/M	Orangish brown clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular to angular limestone. Cobbles are subangular to angular limestone. Boulders are subangular limestone. (WHITE LIMESTONE FORMATION)		
				124.78	1.30			
B	1.60			(0.20)		Light creamy greyish white GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
				124.58	1.50			
D	1.60			(0.20)		Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
				1.70		End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.20m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP10

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 18/05/2021

Scale








1:25

Ground Level 126.22m AOD

Coordinates E 454194.78 N 229312.02

Total Depth

2.10m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.30)	E	Soft dark brown slightly gravelly CLAY with occasional to frequent cobbles and frequent rootlets near the surface. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to angular limestone. (TOPSOIL)		
			125.92	0.30		Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.90			(1.10)	M			
D	1.40		124.82	1.40		Light creamy brownish white GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
				(0.50)				
B	2.00		124.32	1.90		Moderately strong thinly bedded creamy whitish brown fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	2.00		124.12	2.10				
						End of Trial Pit at 2.10m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length: 2.30m

Width: 0.60m

Logged: KM

Checked: AS

TRIAL PIT LOG

TP11

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 18/05/2021

Scale

1:25




Ground Level 125.60m AOD

Coordinates

E 454188.14 N 229251.27

Total Depth

1.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.15		125.35	(0.25)	E	Soft dark brown slightly gravelly CLAY with occasional cobbles and frequent rootlets near surface. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone.		
D	0.40			0.25		(TOPSOIL)		
						Orangish brown slightly clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse subangular limestone. Cobbles and boulders are subangular tabular limestone.		
				(1.35)	M	(WHITE LIMESTONE FORMATION)		
D	1.20							
			124.00	1.60				
B	1.80			(0.30)	H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel cobbles and boulders of fine to coarse and angular to subangular tabular fossiliferous limestone.		
D	1.80		123.70	1.90		(WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.90m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.20m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP12

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 20/05/2021

Scale

1:25





Ground Level 124.60m AOD

Coordinates

E 454189.34 N 229181.27

Total Depth

1.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		124.35	(0.25) 0.25	E	Soft dark brown slightly silty slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
D	0.50			(0.60)	M	Orangish brown clayey slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.90		123.75	0.85 (0.30)	M/H	Light creamy yellowish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	1.20		123.45	1.15	H/VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B D	1.50 1.60		122.90	(0.40) 1.70	VH	End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length: 2.30m

Width: 0.60m

Logged: KM

Checked: AS

TRIAL PIT LOG

TP13

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 25/05/2021

Scale







1:25

Ground Level 122.98m AOD

Coordinates E 454185.09 N 229109.09

Total Depth

1.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.25)	E	Soft dark brown slightly gravelly slightly silty CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone.		
D	0.30		122.73	0.25	E	(TOPSOIL)		
			122.53	0.45	E	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
						(WHITE LIMESTONE FORMATION)		
LB	0.70			(0.45)	E/M	Light creamy orangish brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
			122.08	0.90		(WHITE LIMESTONE FORMATION)		
D	1.00			(0.30)	H	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders (maximum 0.30m x 0.30m) are subangular tabular limestone.		
			121.78	1.20		(WHITE LIMESTONE FORMATION)		
D	1.30			(0.30)	VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse subangular to angular tabular limestone.		
B	1.40		121.48	1.50		(WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.50m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP14

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 25/05/2021

Scale

1:25


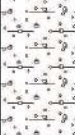


Ground Level 121.92m AOD

Coordinates

E 454189.34 N 229041.95

Total Depth

1.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		121.62	(0.30) 0.30	E	Soft dark brown slightly silty slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
D	0.50		121.12	(0.50) 0.80	E/M	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	1.10		120.52	(0.60) 1.40	M/H	Light creamy brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	1.50 1.50		120.32	(0.20) 1.60	H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.60m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP15

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 17/05/2021

Scale

1:25

Ground Level 126.28m AOD

Coordinates

E 454258.38 N 229461.42

Total Depth

2.10m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.30)	E	Soft reddish brown slightly gravelly slightly silty CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. Frequent rootlets near surface. (TOPSOIL)		
LB	0.70		125.98	0.30		Orangish creamy brown clayey GRAVEL and COBBLES. Gravel is fine to coarse subangular to subrounded fossiliferous limestone. Cobbles are subangular to subrounded limestone. (WHITE LIMESTONE FORMATION)		
D	1.00			(1.60)	E/M			
B	2.00		124.38	1.90				
D	2.00		124.18	2.10	H/ VH	Light creamy brown slightly orange slightly sandy GRAVEL, COBBLES and BOULDERS. Gravel is fine to coarse subangular to subrounded moderately strong, tabular, fossiliferous limestone. Cobbles and boulders are moderately strong angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.10m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP16

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 17/05/2021

Scale

1:25





Ground Level 125.83m AOD

Coordinates

E 454258.67 N 229390.94

Total Depth

2.40m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.50		125.53	(0.30)	E	Soft reddish brown slightly gravelly CLAY with rare cobbles. Gravel is fine to medium subangular to subrounded quartzite. Cobbles are subangular limestone. Frequent rootlets near surface. (TOPSOIL)		
			125.23	(0.30)	E	Soft to firm reddish brown slightly gravelly CLAY with rare to occasional cobbles and rare rootlets. Gravel is fine to medium subangular to subrounded quartzite. Cobbles are limestone. (SUBSOIL)		
D	1.40			(1.30)	M/H	Orangish brown clayey slightly sandy GRAVEL. with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. (WHITE LIMESTONE FORMATION)		
			123.93	1.90	VH	(0.50)	Moderately strong thinly bedded light creamy brownish grey fossiliferous LIMESTONE. Recovered as slightly sandy gravel, cobbles and boulders of subangular limestone. (WHITE LIMESTONE FORMATION)	
B	2.20		123.43	2.40			End of Trial Pit at 2.40m	

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.20m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP17

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 26/05/2021

Scale

1:25

Ground Level 125.32m AOD

Coordinates E 454254.27 N 229327.36

Total Depth

2.05m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		125.02	(0.30)	E	Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	0.60		124.82	(0.20)	E	Soft reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL)		
LB	0.70			(0.50)		Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
				(1.20)	M	<i>Below 1.20m bgl: rare to occasional limestone boulders.</i>		
D	1.60		123.62	1.70				
B	1.90		123.42	(0.20)	M/H	Light creamy orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	1.90		123.27	(0.15)	H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
				2.05		End of Trial Pit at 2.05m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.05m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length: 2.40m

Width: 0.60m

Logged: KM

Checked: AS

TRIAL PIT LOG

TP18

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 27/05/2021

Scale

1:25

Ground Level 124.53m AOD

Coordinates

E 454255.01 N 229254.01

Total Depth

2.25m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		124.23	(0.30) 0.30	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	0.60			(0.60)	E	Soft to firm reddish brown slightly gravelly slightly silty CLAY with occasional to rare cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL)		
D	0.90		123.63	0.90		Orangish yellowish brown clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
				(0.80)	M/H			
D	1.60		122.83	1.70		Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	2.00		122.53	2.00	H			
B	2.10		122.28	(0.25) 2.25	VH	Moderately strong thinly bedded LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.25m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.25m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.00m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP19

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 26/05/2021

Scale

1:25

Ground Level 123.87m AOD

Coordinates

E 454256.77 N 229181.99

Total Depth

1.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		123.57	(0.30) 0.30		Soft dark brown slightly silty slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	0.70			(1.00)		Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	1.00							
D	1.40		122.57	1.30 (0.25)		Light creamy brownish white slightly clayey GRAVEL with frequent cobbles and rare boulders (maximum 0.30m x 0.30m). Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular, fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
B	1.60		122.32 122.17	1.55 1.70 (0.15)		Moderately strong thinly bedded light creamy brownish white LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.20m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP20

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 17/05/2021

Scale

1:25





Ground Level 113.56m AOD

Coordinates

E 454954.00 N 228486.89

Total Depth

2.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.35)	E	Soft dark brown slightly silty slightly gravelly CLAY with rare cobbles and frequent rootlets near surface of strata. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
D	0.50		113.20	0.35	M/H	Orangish yellowish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.90		112.70	0.85	H/VH	Light yellowish cream slightly clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse subangular to subrounded tabular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D	1.80		111.76	1.80	VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel and frequent cobbles of fine to coarse subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B	2.00		111.36	2.20				
						End of Trial Pit at 2,20m		

Method: Wheeled backhoe excavator

Groundwater: Groundwater not encountered.

Stability: Stable but slight collapse of sides between 0.85m and 1.85m bgl.

Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.20m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP21

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 25/05/2021

Scale

1:25

Ground Level 121.18m AOD

Coordinates E 454266.16 N 229045.48

Total Depth

1.45m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		120.88	(0.30) 0.30	E	Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
D	0.50		120.43	(0.45) 0.75	E/M	Dark orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	0.80			(0.45) 1.20	M	Light creamy brownish white locally orange clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D B	1.20 1.30		119.98 119.73	1.20 (0.25) 1.45	VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.45m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP22

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 24/05/2021

Scale

1:25

Ground Level 120.37m AOD

Coordinates E 454258.85 N 228971.58

Total Depth

1.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		120.07	(0.30) 0.30	E	Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
D	0.50		119.27	(0.80) 1.10	M/H	Dark orange brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders (maximum 0.30 x 0.30m) are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	1.20		118.57	(0.70) 1.90	H	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D B	1.70 1.80		118.47	(0.10) 1.90	H/VH	Moderately strong thinly bedded creamy brownish fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.90m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP23

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 21/05/2021

Scale

1:25

Ground Level 120.42m AOD

Coordinates E 454283.11 N 228921.00

Total Depth

1.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		120.12	(0.30)	E	Soft dark brown slightly gravelly slightly silty CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		
			119.82	(0.30)	E	Soft dark reddish brown slightly gravelly slightly silty CLAY with rare to occasional. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (SUBSOIL)		
D	0.70		119.42	(0.40)	M	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
				(0.70)	M/H	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B	1.70		118.72	1.70				
D	1.70		118.62	(0.10)	VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
				1.80				
						End of Trial Pit at 1.80m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP24

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 04/06/2021

Scale

1:25

Ground Level 125.63m AOD

Coordinates

E 454311.11 N 229455.22

Total Depth

2.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20					Soft to firm dark reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles and occasional rootlets. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone (near surface only). (POSSIBLE MADE GROUND)		
				(1.30)	E			
LB	0.90							
D	1.20		124.33	1.30		<i>Below 1.20m bgl: becoming orangish red.</i>		
D	1.80			(0.80)	E/M	Soft to firm dark orangish brown mottled slightly orange slightly silty CLAY with possible organic material present (black in colour). (POSSIBLE MADE GROUND)		
			123.53	2.10				
B D	2.40 2.40		123.13	(0.40) 2.50	H	Firm to stiff dark orangish brown mottled orange slightly gravelly CLAY with occasional to frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.50m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP25

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 26/05/2021

Scale

1:25




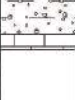
Ground Level 124.93m AOD

Coordinates

E 454322.44 N 229389.40

Total Depth

1.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		124.63	(0.30)	E	Soft dark brown slightly silty slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	0.40		124.33	(0.30)	E	Soft to firm dark reddish brown slightly silty slightly gravelly CLAY with occasional cobbles and rare to occasional rootlets. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (SUBSOIL)		
D	0.90			(0.55)	M	Orangish brown very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B	1.15		123.78	1.15	H/VH	Moderately strong thinly bedded creamy orangish brown LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	1.15		123.73	(0.05)				
						End of Trial Pit at 1.20m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 1.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.30m
Width:	0.60m
Logged:	KM
Checked:	AS

TRIAL PIT LOG

TP26

Project Land adjacent to Junction 10, M40, Ardley

Project No.

AG3268-21

Client Albion Land Ltd

Sheet

1 of 1

Date 26/05/2021

Scale

1:25

Ground Level 124.34m AOD

Coordinates E 454327.38 N 229320.53

Total Depth

2.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		124.09	(0.25)	E	Soft dark brown slightly silty slightly gravelly CLAY with frequent to occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subangular to subrounded limestone.		
D	0.40		123.84	(0.25)	E/M	(TOPSOIL)		
D	0.60			0.50		Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
						(WHITE LIMESTONE FORMATION)		
				(0.70)	H	Light orangish yellowish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
						(WHITE LIMESTONE FORMATION)		
D	1.20		123.14	1.20		Firm to stiff light creamy grey slightly mottled brown very gravelly CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
						(WHITE LIMESTONE FORMATION)		
				(0.70)	H/VH			
B	1.90		122.44	1.90				
D	1.90		122.34	(0.10)		Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse and angular to subangular limestone.		
				2.00		(WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.00m		

Method: Wheeled backhoe excavator.

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

Length:	2.10m
Width:	0.60m
Logged:	KM
Checked:	AS