

PHASE 1 ENVIRONMENTAL REPORT

Holcombe Moor Training Centre

Spenleach Lane

Hawkshaw

Bury

BL8 4JJ

Author: Daniel Slattery
Client: NWRFCA
Reference: rep-tjba-NWRFCA-holcombe moor
trainaing camp-phs 1&2-221021

Revision	Date	Reason
0	October 2021	Original for Planning.

T J Booth Associates.
20A Eastgate St,
Rochdale,
Lancs,
OL16 1DH.
Tel: 01706 868288.
Email: office@tjba.co.uk

PHASE 1 ENVIRONMENTAL REPORT

Holcombe Moor Training Centre

Spenleach Lane

Hawkshaw

Bury

BL8 4JJ

CONTENTS:

1.	Introduction	3
2.	Proposed Development.....	3
3.	Historic Maps.....	4
4.	Present Day Maps	4
5.	Geology	5
6.	Boreholes Records	5
7.	Planning/Other Data.	5
8.	Landmark Environmental Data	6
9.	Coal Authority	6
10.	Industry Profiles	7
11.	Site Reconnaissance.....	7
12.	Environmental Site Summary	8
13.	Conceptual Model	9
14.	Site Investigations	10
15.	Remediation Strategy.....	10
16.	References.....	12
17.	Appendix A: Figures	13
18.	Appendix B: Photos.....	17
19.	Appendix C: Envirocheck	18

1. INTRODUCTION

T. J. Booth Associates have been appointed by the North West Reserve Forces & Cadets Association (NWRFCA) to undertake a Phase 1 Environmental Audit to support a planning/building regulations application for residential development.

The Holcombe Moor Training Camp is a training centre for British military groups, and comprises a central curtilage housing main building facilities including: sleeping quarters/barracks, lecture hall, dining & bar areas, medical & IT suites, indoor ranges, welfare centre & parking areas; and a wider training area comprising rifle ranges, clay pigeon ranges, troop shelters, and obstacle courses etc.

The Application Site is nominally a 315sqm area within the main central curtilage housing the building facilities. It is proposed to construct a new storage building.

A planning application, ref No. 67569; for the "Construction of standalone storage building", was recently submitted.

A letter from Bury Metropolitan Borough Council (BMBC) Development Management Team responded requiring a "desktop study for contaminated land", refer to letter excerpt below:

Our Ref: 67569
 Your Ref:
 Date: 07 October 2021
 Please ask for: Chris Gale
 Direct Line: 0161 253 5324
 Fax: 0161 253 7373
 E-Mail: c.gale@bury.gov.uk
Electronic service of legal documents accepted only at :
 legalservices@bury.gov.uk (e-mail) or 0161 253 5119 (fax)

Mr Shuttleworth
 Equilibrium Architects Ltd
 435-437 Walmersley Road
 Bury
 BL9 5EU

Dear Mr Shuttleworth

Proposal: Construction of standalone storage building
 Location: Holcombe Moor Training Centre, Spen Leach Lane,
 Hawkshaw, Bury, BL8 4JJ

I refer to your recent application concerning the above development.

I am afraid that the details you have sent are inadequate and your application cannot be dealt with until the following extra information is received:

- 1 Please submit the South facing side elevation.
- 2 Please submit a desktop study for contaminated land.
- 3 Please submit a coal mining report.
- 4 Please expand upon the planning statement to include volume calculations for development on greenbelt land.
- 5 Please provide photographs of the proposed site and surrounding area.

This report provides a desk-based study & intrusive ground investigation based on current UK guidance for environmental investigation within the construction industry. Principal to the assessment is the potential for contamination pollutant linkages via the CLR-11 source-pathway-receptor methodology. Assessment of potential pollution linkages is primarily undertaken in strict accordance with BS5930:2015; BS 10175:2011+A2:2017; CIRIA C665; and BS 8485:2015+A1:2019 et al.

2. PROPOSED DEVELOPMENT

The proposal is to erect a new storage building within the training camp, and the building footprint and immediate surrounding area comprises the "Application Site" for the purposes of this assessment.

The proposed storage building will comprise a steel frame superstructure with dado walls and cladded by insulated wall panels.

The external areas leading to the proposed building will remain as permanent hardstanding finishes.

3. HISTORIC MAPS

DATE	ON-SITE	OFF-SITE/SURROUNDING AREA
c1850	The Site is part of agricultural land in the open moor.	The area within 250m of the Site comprises agricultural land, with only 1 farmhouse "Old Hoyles" within this area. There are other farmhouses only in the area between 250-500m from Site boundaries.
c1893	No change.	The lower scale maps indicate minor features within 300m such as wells, springs etc to the west/northwest, a minor stream/watercourse nominally 75m east (flowing south), and well as minor ponds approximately 250m distant.
c1910	No change.	No overall change.
c1929	Building within the Application Site footprint, attached to another offsite building adjacent to the south side – together both noted as a Rifle House. Ancillary buildings/sheds to the west side boundary.	Ancillary smaller buildings to the north. Rifle Ranges to the north between nominally 50-300m distant. Minor private filter beds noted approximately 120m southeast. Old Hoyles Farmhouse now demolished.
c1938	No change.	Building structures noted to the south between 80-120m most likely barracks or similar.
c1964	No change.	Overall Holcombe Moor Training Camp more formalised in layout with access road through the site.
c1976	No change.	Site now noted as Holcombe Rifle Ranges. Tank & filter beds noted approximately 200m south on the edge of the main wider Holcombe Training Camp curtilage, presumably for septic waste treatment.
c1982	No change.	No overall change.
c1992	No change.	No overall change.
c1993	No change.	No overall change.
c1999	No change.	Additional buildings to the wider Holcombe Training site.
c2005	Building on Site demolished leaving hardstandings only.	The separate and attached Rifle House to the south remains adjacent to the Application Site footprint. Much of the barracks and other ancillary buildings within the main Holcombe Moor Training Camp building curtilage are demolished.
c2013	No change.	New buildings within the Holcombe Moor Training Camp building curtilage are erected.

4. PRESENT DAY MAPS

Site Boundaries, Outlines of Structures and Buildings:	The part of the Application Site where the demolished building was located appears to be covered in grass/vegetation, with a hardstanding driveway to the rear west side comprising macadam finish, and concrete finish to the front east side. The original part of the Rifle House just outside the Application Site footprint remains. There are ancillary buildings around the proposed Application Site footprint.
--	--

Ground Contours, Natural Drainage Features:	Overall, local topography falls to the southwest.
Water Courses:	An unnamed stream flows south through the wider training camp area, before flowing southwest.
Below Ground Obstructions:	None noted.

5. GEOLOGY

Superficial Geology:	The geological maps indicate the Site is within an area of Divensian Till, generally diamicton clay with lenses of sand/silt. There are small areas of glaciofluvial sand & gravel deposits in the wider area.
Bedrock Geology:	BGS maps indicate the Application Site is underlain by the undifferentiated sandstones/mudstones/siltstones of the Millstone Grit Group. Brook Bottom Sandstone of the wider Millstone Grit Group. The Map also indicates the Brooks Bottom Gritstone to subcrop nominally 80m west of the Application Site. The dip is suggested to be approximately 2deg northeast.
Coal Seams/Faults.	The only coal seam to be shown to subcrop within the local geological fault block is the Holcombe Brook Coal Seam which is higher up in the geological sequence to that of the Site, and is laterally discontinuous. Although not shown to subcrop on the geological map, there is an unnamed coal seam within the Brooks Bottom Gritstone at depth, although this is noted as thin according to current BGS stratigraphic records.

6. BOREHOLES RECORDS

There are boreholes in the wider area but not all specifically relate to the Site.

The closest is "SD71NE16" approximately 500m east and higher up in the stratigraphy, but nominally at the same topographic level. A ground level at the borehole was recorded at 213.37m aOD.

The borehole recorded the following:

0-0.30m	Soil
0.30-2.13m	Clay & stones
2.13-18.28m	Brown clay
18.28-29.26m	Blue clay
29.26-30.17m	White clay
20.17-43.28m	Shale

7. PLANNING/OTHER DATA.

N/A.

8. LANDMARK ENVIRONMENTAL DATA

8.1. AGENCY & HYDROLOGICAL

Contaminated land register entries & notices:	No records within a 250m radius.
Discharge consents:	No records within a 250m radius.
Integrated pollution prevention & control:	No records within a 250m radius.
Local Authority pollution prevention & controls:	No records within a 250m radius.
Pollution incidents to controlled waters:	No records within a 250m radius.
Substantiated pollution incident register:	No records within a 250m radius.
Water abstractions:	No records within a 250m radius.
Bedrock aquifer:	Secondary A Aquifer.
Superficial aquifer:	Secondary aquifer undifferentiated.
Source protection zone:	The Site is not within a Source Protection Zone.

8.2. WASTE

BGS recorded landfill sites:	None noted within a 250m radius.
Historic landfill sites:	None noted within a 250m radius.
Licensed waste management facilities:	None noted within a 250m radius.
Registered landfill sites:	None noted within a 250m radius.

8.3. HAZARDOUS SUBSTANCES

Planning hazardous substance consents:	No records within a 250m radius of the Site.
Planning hazardous substance enforcements:	No records within a 250m radius of the Site.

8.4. GEOLOGICAL

Mining Instability:	Within a coal mining area.
Potential for Collapsible Ground Stability Hazards:	Very low risk.
Potential for Compressible Ground Stability Hazards:	No hazard.
Potential for Ground Dissolution Stability Hazards:	No hazard.
Potential for Landslide Ground Stability Hazards:	Very low risk.
Potential for Running Sand Ground Stability Hazards:	Very low risk.
Potential for Shrinking or Swelling Clay Ground Stability Hazards:	No hazard.
Radon Potential - Radon Affected Areas:	The property is within a lower probability radon area (<1-3% homes estimated to be at or above the action level).
Radon Potential - Radon Protection Measures:	No radon protection measures are required.

9. COAL AUTHORITY

Mine Shafts, Pits, Adits/Entries:	No entries noted within 100m of the enquiry boundary.
-----------------------------------	---

Past Recorded Underground Mining.	There was no past recorded underground mining beneath the Site noted within the Coal Authority Consultants Report.
Unrecorded Probable/Potential Shallow Underground Workings:	There was no potential or probable shallow underground workings noted beneath the Site within the Coal Authority Consultants Report.
Present/Future Underground Mining.	Not known to be a risk.
Past/Present/Future Surface Mining/Opencast:	None noted locally.
Mining Geology and Subsidence:	No issues noted locally.
Hazards and Mine Gas:	No issues noted locally.
Development High Risk Area:	The Site is within a Development High Risk Area due to the position of subcropping coal positions on historical and now outdated geological maps.
Abandonment Plan Data:	Abandonment data not required.

10. INDUSTRY PROFILES

N/A.

11. SITE RECONNAISSANCE

Details of Existing Structures:	A Site reconnaissance was undertaken on 01.10.2021. The Application Site was accessed via Spenleach Lane, through the wider site ownership area which comprised open fields over Holcombe Moor overlooking north Bury. The Application Site was located to the northwest side of the main training camp which comprises a group of relatively new buildings. It comprised a partially vegetated/partially hard surfaced (concrete) ground surface. Some manholes were noted which suggest there is some infrastructure such as drainage that flows nominally through the centre of the Application Site. There was also a macadam trench running past the front of the Site to electric boxes nominally to the northeast corner of the Application Site There were no other pertinent structures of note.
Adjacent Properties:	There are adjacent and surrounding buildings to the northwest and south sides, comprising storage buildings etc used by the training centre. The wider area comprises open moorland.
Water Levels, Directions of Flow and Rates in Rivers:	There was a minor watercourse/stream flowing south through the wider site area.
Old Mine or Quarry Workings:	None noted.
Obvious/Immediate Hazards to Health/Safety:	None noted.
Areas of Discoloured Soil, Polluted Water, Vegetation, and Significant Odours:	None noted.
Relevant Ground Levels, Ground Water Levels, Positions of Wells and Springs:	The topography of the local area fell towards the south/southeast.

12. ENVIRONMENTAL SITE SUMMARY

12.1. Summary

The desk study and Site walkover has identified little contaminative risk from historic uses of the Site. Prior to use of the Site by the NWRFCAs between c1910 & c1929, the Application Site and wider area was part of agricultural land.

The Application Site footprint and wider NWRFCAs site training centre building curtilage remained much the same until c2005 when most of the training buildings were demolished including the part of the Rifle House which was within the Application Site footprint.

Although the rest of the training centre was redeveloped, the Application Site has remained vacant.

Overall, the main part of the Holcombe Training Camp where the training centre buildings and Application Site are located, has only previously been used for agricultural land and as a base for barracks/storage/logistics etc.

Due to the use as a rifle range, there may be some contamination from lead etc in the wider area away from the Application Site, however this is situated distant enough not to pose a risk.

Also, there may be some minor made ground associated with the part of the Application Site where the Rifle House previously stood, however, there is little risk due to the proposed end use of the building.

There are no landfill sites in the local area and there are not thought to be any worked coal seams locally nor radon bearing strata that could be a source of ground gas.

12.2. Potential Contaminants

CURRENT SOURCE/S	ORIGINAL ASSOCIATED USAGE	CONTAMINANT/S
Onsite upper soil/made ground	Made ground	Metals, PAH, sulphates, inorganics, asbestos.

12.3. Potential Pathways

PATHWAY	MEDIA
Soil and dust ingestion	Soil and indoor dust
Consumption of home-grown fruit and vegetables	Produce
Skin contact (indoors)	Indoor dust
Skin contact (outdoors)	Soil
Inhalation of dust (indoors)	Air
Inhalation of dust (outdoors)	Air
Vapours (indoors)	Air
Vapours (outdoors)	Air

12.4. Potential Receptors

Receptors mainly comprise workers in the construction phase, and residents for the proposed end use.

13. CONCEPTUAL MODEL

POLLUTANT LINKAGE	CURRENT SOURCE/S	CONTAMINANT TYPE	PATHWAY	RECEPTOR	POLLUTION LINKAGE	CONSEQUENCE	PROBABILITY	RISK
1	Site surface /sub soil beneath the existing macadam driveway in the location of the proposed semi-detached dwellings.	Metals, PAH, inorganics, asbestos, hydrocarbons.	Direct ingestion, aerial ingestion, dermal contact, drinking water. The proposal is for a storage shed only within an existing commercial Site. All external areas are to be hardstanding. No realistic pathways exist.	Receptors are low risk workers, utilising the building in what is considered very occasional usage.	NOT PRESENT – There is not likely to be significant contamination beneath the building if at all indicating a questionable source. However, the pathway is considered mitigated due to the type of building, and that all external areas will comprise hardstanding areas.	Minor.	Unlikely.	Very low risk.
2	Geology - Carboniferous coal measures & ground gas such as coal seams & radon sources. No particular source identified.	CH ₄ , CO ₂ , Rn, other trace gases.	Diffusion through soil, substructures, aerial inhalation. Impermeable superficial geology	Future occupants. Explosion, suffocation.	NOT PRESENT – Radon and coal seams are not thought to pose a risk to the development. Sources not identified, and pathways are mitigated due to the impermeable geology.	Mild.	Unlikely.	Very low risk.
3	Anthropogenic ground gas from decomposing organic material/landfill. No particular source identified.	CH ₄ , CO ₂ , other trace gases.	Diffusion through soil, substructures, aerial inhalation. Impermeable superficial geology.	Future occupants. Explosion, suffocation.	NOT PRESENT – There are no sources in the local area. Sources not identified, and pathways are mitigated due to the impermeable geology.	Medium.	Unlikely.	Very low risk.
4	Contaminated ground /surface water. Controlled Waters. No particular source identified.	Chemical contamination.	Permeation into ground water, local watercourses.	Water supplies, watercourses, aquatic habitats & associated wildlife.	NOT PRESENT – There is no potential risk noted from the Site to controlled waters. The Site has had no previous contaminative uses, no tanks or other sources have been noted within the desk study. Sources not identified.	Minor.	Unlikely.	Very low risk.
5	Aerial contaminants.	Chemical contamination.	Dermal contact & aerial inhalation.	All site users / occupants.	NOT PRESENT – Due to the location of the Site in a rural location and in the open moorland, there is little risk of past pollution from aerial sources. Current aerial contaminants are regulated.	Minor.	Unlikely.	Low risk.

14. SITE INVESTIGATIONS

14.1. Investigation Design from Conceptual Model

Not required – no risk identified in the desk study.

14.2. Site Investigations

Not required – no risk identified in the desk study.

14.3. Soil Sampling Assessment

Not required – no risk identified in the desk study.

14.4. Gas Monitoring Assessment

Not required – no risk identified in the desk study.

15. REMEDIATION STRATEGY

15.1. Ground/Soil Contamination Risk

There has been little risk of potential contamination identified within the desk study. Due to this it is proposed that the Site is suitable for the proposed end use for the following reasons:

- No particular historical contaminative risk has been identified in the desk study.
- Regarding contaminative sources, minor made ground/building rubble remaining from the previous development is likely to be the only source contaminative source & considered only to comprise low level contamination beneath commercial thresholds.
- In addition, pathways are considered removed due to source material being either beneath the proposed building footprint, removed as part of the construction process, or left beneath permanent hardstandings - mitigating pollutant linkages.

It is proposed that no further investigation is required.

15.2. Ground Gas Risk

No legitimate ground gas source or pathway has been noted within the risk assessment and thus the no pollutant linkage exists.

No ground gas monitoring nor any protection measures required in the development.

15.3. Validation:

Not required – no risk identified in the desk study and no remediation required.

15.4. Additional Notes

Before any further work is undertaken, this report should be submitted to and agreed by the Local Planning Authority Contaminated Land Department/Building Control Department as necessary.

We trust that the above clear, but should you require further advice please contact the undersigned.

Signed.....

D S Slattery BSc (Hons).

T J Booth Associates.

Signed.....

T J Booth BSc (Hons), C. Eng. C. Env. MICE.

T J Booth Associates.

16. REFERENCES

BS5930:2015. Code of practice for site investigations.

BS 10175:2011+A2:2017. Investigation of potentially contaminated sites. Code of practice.

Environment Agency. 2005. Secondary Model Procedure for the Development of Appropriate Soil Sampling Strategies for Land Contamination. R&D Technical Report P5-066/TR.

CIRIA. Report C665.

CL:AIRE. 2012. Research Bulletin-RB17-A Pragmatic Approach to Ground Gas Risk Assessment.

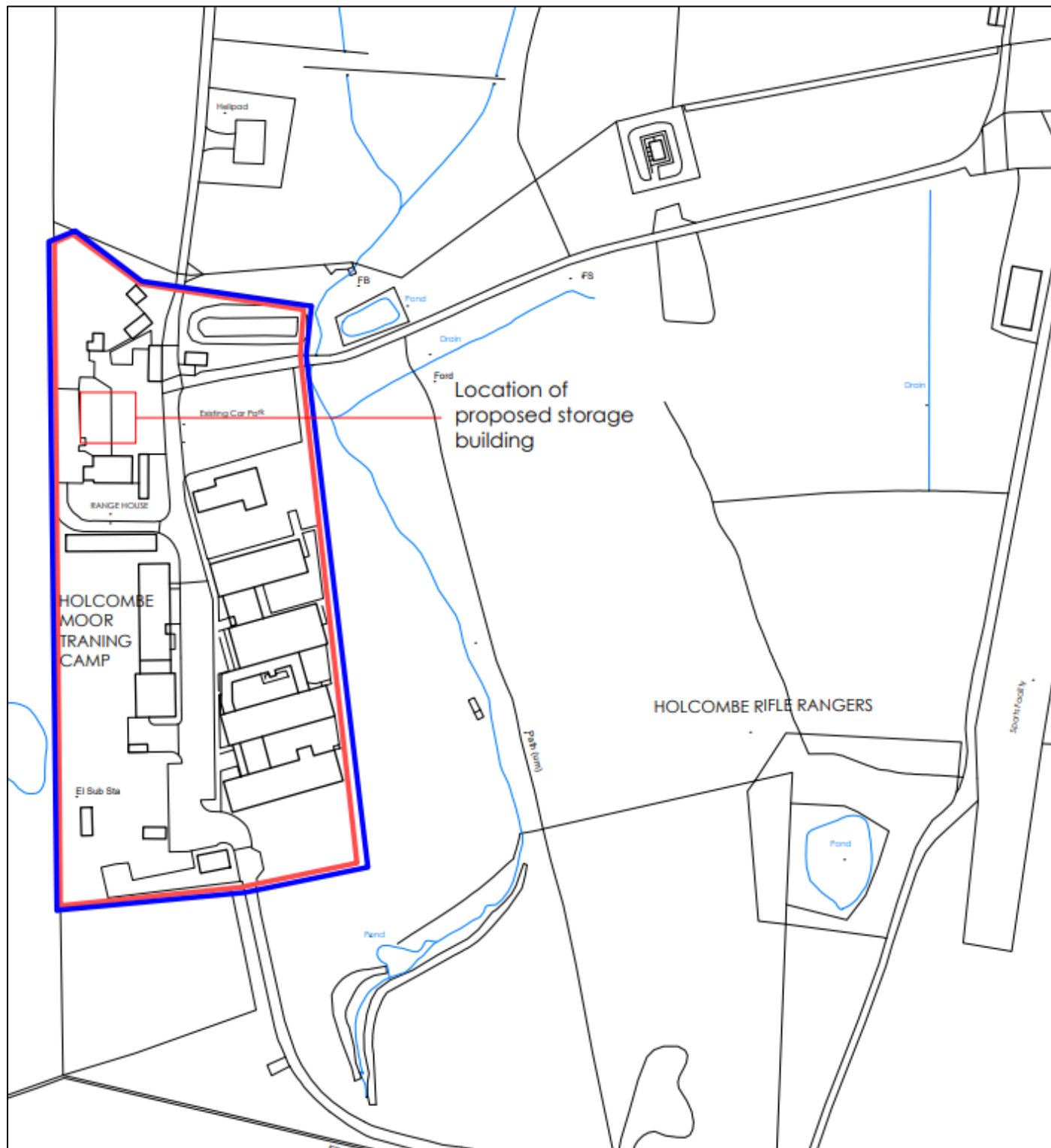
BS 8485:2015+A1:2019. Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings.

CIRIA. Report SP32.

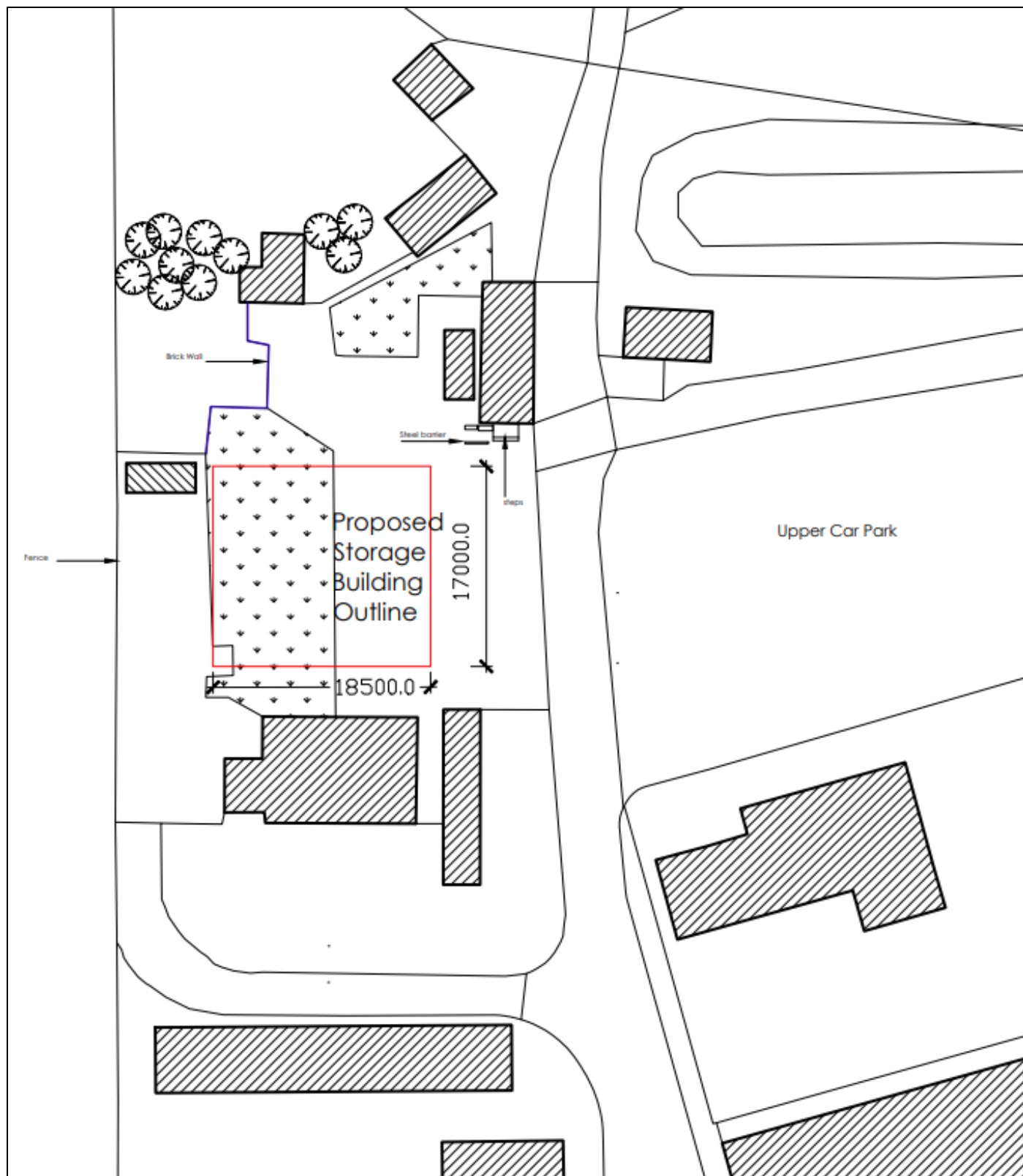
ICE Manual of Geotechnical Engineering Volume I. 2012.

17. APPENDIX A: FIGURES

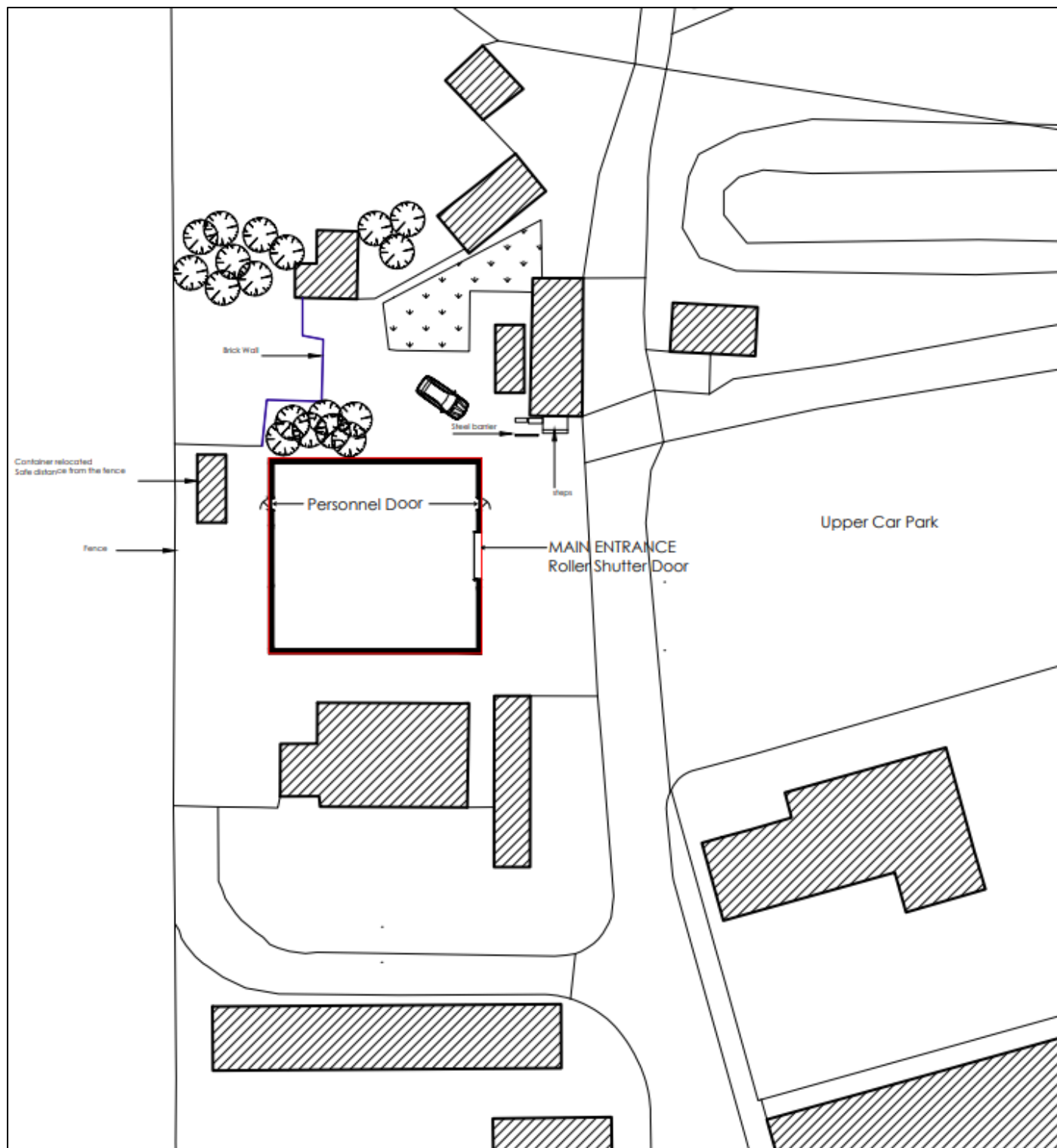
17.1. Location Plan

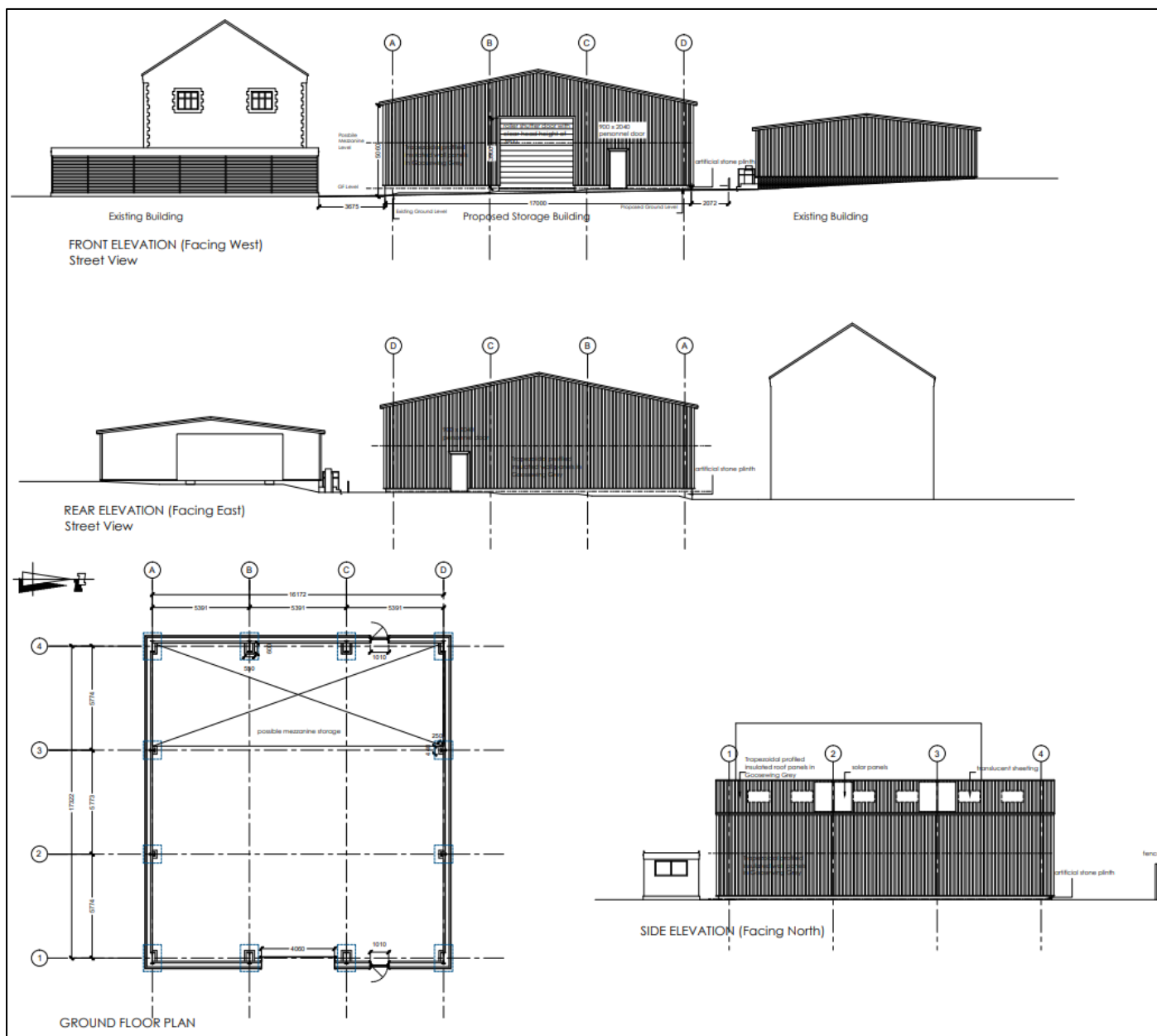


17.2. Ex Site Plan



17.3. Proposed Development





17.4. Site Investigation Plan

N/A – Phase 1 only.

17.5. TJBA Soil Analysis

N/A – Phase 1 only.

17.6. Eurofins Chemtest Ltd Soil Testing Certificates

N/A – Phase 1 only.

18. APPENDIX B: PHOTOS



Figure 1 – View from front of the Site.



Figure 2 – View from rear of the Site.

19. APPENDIX C: ENVIROCHECK



Envirocheck® Report:

Datasheet

Order Details:

Order Number:

286855162_1_1

Customer Reference:

nwrfa-holcombe training camp-261021

National Grid Reference:

376320, 415970

Slice:

A

Site Area (Ha):

0.09

Search Buffer (m):

1000

Site Details:

Holcombe Moor Training Centre, Spen Leach
Lane
Hawkshaw
Bury
BL8 4JJ

Client Details:

Mr T Booth
TJ Booth Associates
20a Eastgate Street
Rochdale
Lancashire
OL16 1DH



Order Number: 286855162_1_1

Date: 26-Oct-2021

rpr_ec_datasheet v53.0

A Landmark Information Group Service

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	21
Hazardous Substances	-
Geological	22
Industrial Land Use	24
Sensitive Land Use	25
Data Currency	26
Data Suppliers	31
Useful Contacts	32

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities, and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and/or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Stantec Copyright Notice

The cavity data presented has been extracted from the FBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency. © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

Report Version v53.0

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (* up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			1	5
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3			4	3 (*10)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 8	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8		21	13	71

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (* up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 22	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 22				2
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 22	Yes	n/a	n/a	n/a
Mining Instability	pg 22	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 22	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (* up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 24			2	1
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 25				1
Areas of Adopted Green Belt	pg 25	1			1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 25				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 25				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	0	1	376319 415968
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	6	1	376300 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	52	1	376250 415968
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	116	1	376300 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	215	1	376550 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	220	1	376300 416200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	237	1	376500 416150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	246	1	376550 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	255	1	376319 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	273	1	376600 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	274	1	376550 416150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	275	1	376250 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	290	1	376600 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	307	1	376550 416200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	313	1	376650 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	314	1	376600 416150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	334	1	376600 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	336	1	376200 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	344	1	376600 416200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	357	1	376650 416150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	378	1	376600 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	413	1	376750 415950

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	414	1	376650 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	438	1	376500 415550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	465	1	376800 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (E)	469	1	376800 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	485	1	376700 415300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	496	1	376600 415400
1	Discharge Consents Operator: Mr & Mrs Furnival Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Finny Cote Hawkshaw La, Hawkshaw, Bury, Lancashire, B18 4lj Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/595 Permit Version: 1 Effective Date: 21st July 1967 Issued Date: 21st July 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Kirklees Brook Receiving Water: Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	486	2	375896 415688
2	Discharge Consents Operator: David Albert Stott Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1, 3 And 5, Lower Fold, Hawkshaw, Bury, Lancashire, B18 4jt Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: 016993445 Permit Version: 1 Effective Date: 28th June 2002 Issued Date: 28th June 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Unnamed Trib: Kirklees Brook Receiving Water: Unnamed Trib: Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	963	2	375470 415470
2	Discharge Consents Operator: Harry Gibson Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1, 3 And 5, Lower Fold, Hawkshaw, Bury, Lancashire, B18 4jt Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: 016993445 Permit Version: 1 Effective Date: 28th June 2002 Issued Date: 28th June 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Unnamed Trib: Kirklees Brook Receiving Water: Unnamed Trib: Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	963	2	375470 415470

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Harry Ironfield Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1, 3 And 5, Lower Fold, Hawkshaw, Bury, Lancashire, B18 4jt Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: 016993445 Permit Version: 1 Effective Date: 28th June 2002 Issued Date: 28th June 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib. Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	963	2	375470 415470
3	Discharge Consents Operator: Draper Property Developments Limited Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Top/Oth Quariton Barn Off Ramsbottom Road, Hawkshaw, Nr Bury, B18 4jx Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: Npswqd008458 Permit Version: 1 Effective Date: 28th July 2009 Issued Date: 28th July 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	979	2	375411 415550
4	Discharge Consents Operator: N M. Wilde Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 1-4 Hey House Mews, Holcombe, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990565 Permit Version: 1 Effective Date: 20th March 1985 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Wood Hey Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	996	2	376900 416800
	Nearest Surface Water Feature	A13NE (E)	50	-	376386 415982
5	Water Abstractions Operator: Woodhey Dyeing Company Limited Licence Number: 2569001193 Permit Version: Not Supplied Location: Fed By Holcombe Brook Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 113650 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	344	2	376600 416200

Envirocheck®

LANDMARK INFORMATION GROUP®

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Water Abstractions Operator: Mr P M Brennan Licence Number: 2569001227 Permit Version: Not Supplied Location: Hawkshaw, Tottington, BURY Authority: Environment Agency, North West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 0 Yearly Rate (m3): 166 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SW (N)	432	2	376200 416400
7	Water Abstractions Operator: Thornber Home & Leisure Limited Licence Number: 2569001193 Permit Version: 101 Location: Well Fed By Holcombe Brook Marked C On Plan Authority: Environment Agency, North West Region Abstraction: Textiles And Leather Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	457	2	376680 416280
7	Water Abstractions Operator: Blacksheep Textiles Ltd Licence Number: 2569001193 Permit Version: 100 Location: Well Fed By Holcombe Brook Marked C On Plan Authority: Environment Agency, North West Region Abstraction: Textiles And Leather Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd May 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	457	2	376680 416280
8	Water Abstractions Operator: Woodhey Dyeing Co Ltd Licence Number: 2569001149 Permit Version: Not Supplied Location: Tottington Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): Not Supplied Details: Reservoirs (2) Fed By Surface Drainage Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	774	2	376500 415200

Envirocheck®

LANDMARK INFORMATION GROUP®

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Water Abstractions Operator: Woodhey Dyeing Company Ltd Licence Number: 2569001149 Permit Version: 100 Location: Unnamed Tributary Of Kirklees Brook At Hawkshaw Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services; Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 0 Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (S)	782	2	376100 415200
10	Water Abstractions Operator: C Coxen Licence Number: 2569001041 Permit Version: 100 Location: Well At Tonge Fold Cottage, Melrose Farm, Hawkshaw Lane, Tot Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 500 Details: Melrose At Hawkshaw Lane, Tottington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	856	2	375900 415200
	Water Abstractions Operator: Mr C M Holker Licence Number: 2569001242 Permit Version: 100 Location: Two Brooks Stream At Red Earth Farm, Turton Authority: Environment Agency, North West Region Abstraction: Horticulture And Nurseries; Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 6819 Details: Land/Premises At Red Earth Farm, Turton Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 13th March 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	1044	2	375800 416895
	Water Abstractions Operator: C M Holker Licence Number: 2569001243 Permit Version: Not Supplied Location: Red Earth Farm, TURTON Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Two Brooks Stream Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	1048	2	375800 416900

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Woodhey Dyeing Co Ltd Licence Number: 309 Permit Version: Not Supplied Location: Tottington Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 30000 Yearly Rate (m3): 7500000 Details: Reservoirs (2) Fed By Surface Drainage Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1058	2	376400 414900
	Water Abstractions Operator: Mr C M Holker Licence Number: 2569001210 Permit Version: 100 Location: Borehole At Edgeworth, Bolton Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 1136 Details: Red Earth Farm, Edgeworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	1080	2	375600 416800
	Water Abstractions Operator: Mr D Davenport Licence Number: 2569001204 Permit Version: 100 Location: Borehole At Holcombe, Bury Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Hey House Farm, Holcombe, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th July 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SW (E)	1273	2	377600 415800
	Water Abstractions Operator: J Duxbury Licence Number: 2569001042 Permit Version: 100 Location: Spring At Higher Hall House (Holhouse) Farm, Greenmo Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4 Yearly Rate (m3): 1327 Details: Higher Hall House (Holhouse) Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NE (SE)	1303	2	377100 414900

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr P Davies Licence Number: 2569003088 Permit Version: 100 Location: Borehole At Wickenlow Farm Authority: Environment Agency, North West Region Abstraction: Household Water Supply: Drinking, Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 1162 Details: Wickenlow Hill & Querton Manor Farms Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th September 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1452	2	375310 417040
	Water Abstractions Operator: Darul Uloom Licence Number: 2569001228 Permit Version: 100 Location: Borehole At Holcombe, Near Bury, Lancs Authority: Environment Agency, North West Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 Details: Premises At Holcombe Hall, Holcombe Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th June 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (E)	1471	2	377800 415800
	Water Abstractions Operator: Darul Uloom Licence Number: 2569010228 Permit Version: Not Supplied Location: Borehole, Holcombe: BURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Private Water Supply (Domestic & Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (E)	1472	2	377800 415795
	Water Abstractions Operator: G N Platt Licence Number: 2569001125 Permit Version: 100 Location: Well At Ramsbottom, Known As Soldiers Well Authority: Environment Agency, North West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4 Yearly Rate (m3): 1332 Details: Higher Barn Farm And Carn Brae Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th May 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SE (NE)	1971	2	377800 417300

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13SW (S)	0	3	376319 415968
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (S)	0	3	376319 415968
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (S)	0	3	376319 415968
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (E)	50	4	376386 415982
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	57	4	376393 415968
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	57	4	376393 415968
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (E)	85	4	376420 415983

Envirocheck®

LANDMARK INFORMATION GROUP®

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	99	4	376416 416038
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	99	4	376416 416038
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	150	4	376447 416080
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	152	4	376394 416120
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	152	4	376448 416082
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NE (NE)	152	4	376394 416120
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	174	4	376394 416143
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	177	4	376394 416146
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	182	4	376457 416116

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	187	4	376421 415789
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NE (N)	190	4	376394 416160
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	190	4	376394 416160
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	191	4	376411 415780
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NE (NE)	194	4	376407 416160
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	220	4	376470 416154
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	226	4	376405 415741
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 744.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	244	4	376409 415723
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	256	4	376593 415967

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	287	4	376341 416246
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 532.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	408	4	376691 415753
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	431	4	376427 416401
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	432	4	376375 416409
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 2	A14NW (NE)	437	4	376702 416219
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	438	4	376373 416416
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NW (NE)	441	4	376712 416210
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NW (NE)	441	4	376708 416216
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NW (NE)	447	4	376704 416232

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 736.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	459	4	376688 416273
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 377.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NW (NE)	459	4	376688 416273
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	489	4	376437 416458
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	515	4	376834 416108
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	523	4	375779 415947
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	531	4	376842 416140
48	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 249.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	542	4	376868 416081
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	573	4	375730 415932
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	577	4	375725 415930

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SE (N)	580	4	376397 416556
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	585	4	376382 416562
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	606	4	375857 415543
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 228.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	618	4	375691 416070
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 500.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (SW)	629	4	375720 415717
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	669	4	376804 415478
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	676	4	375633 415855
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	695	4	377030 415894
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	696	4	375608 415894

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 155.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	700	4	376572 415297
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 273.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	704	4	375732 415542
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	705	4	377041 415921
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	706	4	375600 415879
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	711	4	376709 415351
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SW (W)	712	4	375592 415904
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A18SE (NE)	713	4	376628 416630
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 728.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	714	4	377031 416144
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	718	4	375587 415896

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 296.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	721	4	377033 416165
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	721	4	377052 415859
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 478.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	744	4	375558 415974
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 360.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	744	4	375558 415974
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	748	4	375833 416563
74	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 127.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	748	4	377057 415754
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	756	4	375911 415308
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 238.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	762	4	376828 415374
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	770	4	375797 416561

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	770	4	375810 416572
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	773	4	376942 416460
80	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	778	4	376955 416451
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	800	4	376205 416774
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	801	4	376628 416725
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	801	4	376628 416725
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	805	4	375824 416628
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	808	4	375714 416534
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	809	4	376206 416784

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	811	4	375717 416542
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	814	4	375702 416529
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	817	4	376208 416792
90	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	818	4	375821 416642
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 412.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	818	4	375896 416529
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	820	4	376611 416752
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	820	4	376611 416752
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	824	4	376156 415144
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	852	4	377137 415663

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	865	4	375828 416703
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	868	4	375788 415255
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 223.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	889	4	375471 416295
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	890	4	375703 415297
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	892	4	375698 415299
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	894	4	375653 415341
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 232.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	894	4	375653 415341
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	925	4	375642 415307
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	927	4	375679 416874

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	928	4	375636 415309
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (N)	936	4	376679 416850
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A19NW (NE)	936	4	376707 416839
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 413.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	943	4	376916 415211
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	944	4	376612 416883
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	953	4	376621 416889
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	967	4	376053 415021
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	968	4	376648 416896
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	975	4	375627 415252

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	985	4	375634 415232
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	998	4	375640 415209

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	5	376319 415968
	Local Authority Landfill Coverage Name: Blackburn with Darwen Unitary Council - Has supplied landfill data		600	6	375729 415780

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See A/so Migr]	A13SW (S)	0	1	376319 415968
116	BGS Recorded Mineral Sites Site Name: Top Of Quariton Location: Hawkshaw, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96046 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dyneley Knoll Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	760	1	375573 415742
117	BGS Recorded Mineral Sites Site Name: Top Of Quariton Location: Turtton Bottom, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96007 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dyneley Knoll Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	778	1	375637 415552
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (S)	0	7	376319 415968
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (S)	0	-	376319 415968
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	14	1	376343 415943
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	229	1	376176 415764
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	376319 415968

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Industrial Land Use

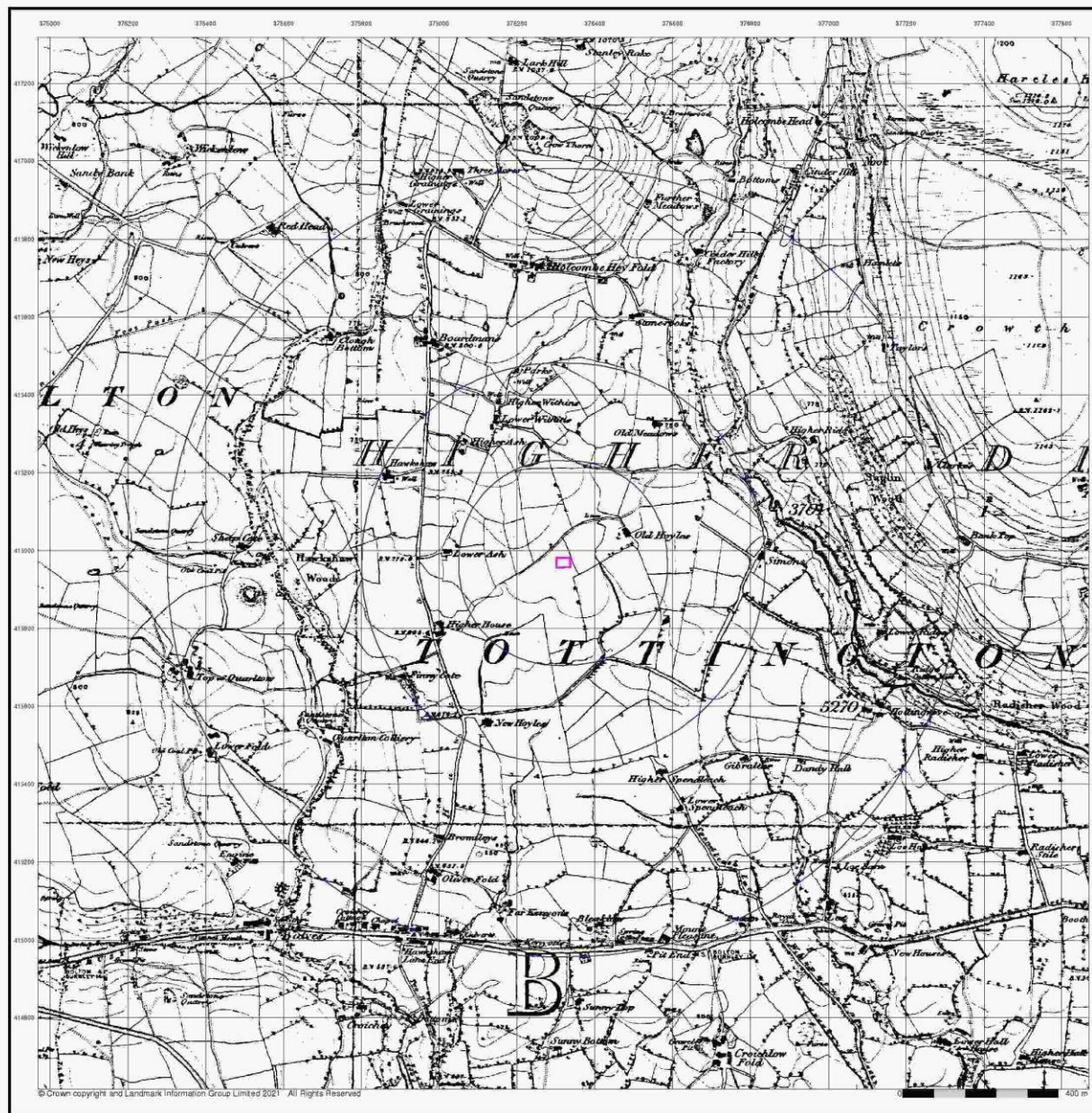
Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	Contemporary Trade Directory Entries Name: Hawkshaw Horse Transport Location: Higher House Farm, Hawkshaw Lane, Hawkshaw, Bury, Lancashire, BL8 4LB Classification: Horse Boxes & Transporting Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	355	-	375987 415791
119	Contemporary Trade Directory Entries Name: Granutech Saturn Systems Location: Finny Cote Cottage, Hawkshaw Lane, Hawkshaw, Bury, Lancashire, BL8 4LB Classification: Shredding Equipment & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	486	-	375896 415688
120	Contemporary Trade Directory Entries Name: Hawkshaw Print & Design Location: 5, Quariton Drive, Hawkshaw, Bury, Lancashire, BL8 4JY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	992	-	375882 415056

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	Ancient Woodland Name: Not Supplied Reference: 1415962 Area(m ²): 28038.37 Type: Ancient and Semi-Natural Woodland	A19SW (NE)	755	8	376989 416358
122	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13SW (S)	0	5	376319 415968
123	Areas of Adopted Green Belt Authority: Blackburn with Darwen Borough Council Local Plan Part 2: Allocations And Development Management Status: Adopted Plan Date: 3rd December 2015	A12SE (W)	595	9	375732 415784
124	Local Nature Reserves Name: Redisher Wood Multiple Area: N Area (m ²): 127242.4 Source: Natural England Designation Date: 8th November 2004	A14SE (E)	696	8	377011 415783
125	Sites of Special Scientific Interest Name: West Pennine Moors Multiple Areas: Y Total Area (m ²): 76154904.66 Source: Natural England Reference: 2000830 Designation Details: Common Land Designation Date: 17th November 2016 Date Type: Notified Designation Details: Ministry Of Defence Reserve Designation Date: 17th November 2016 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 17th November 2016 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 17th November 2016 Date Type: Notified Designation Details: Woodland Trust Reserve Designation Date: 17th November 2016 Date Type: Notified	A19SE (NE)	920	8	377156 416396



Envirocheck®

LANDMARK INFORMATION GROUP®

Lancashire And Furness

Published 1850

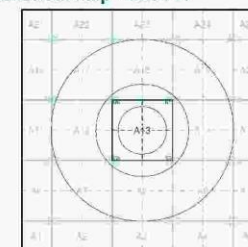
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1840's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

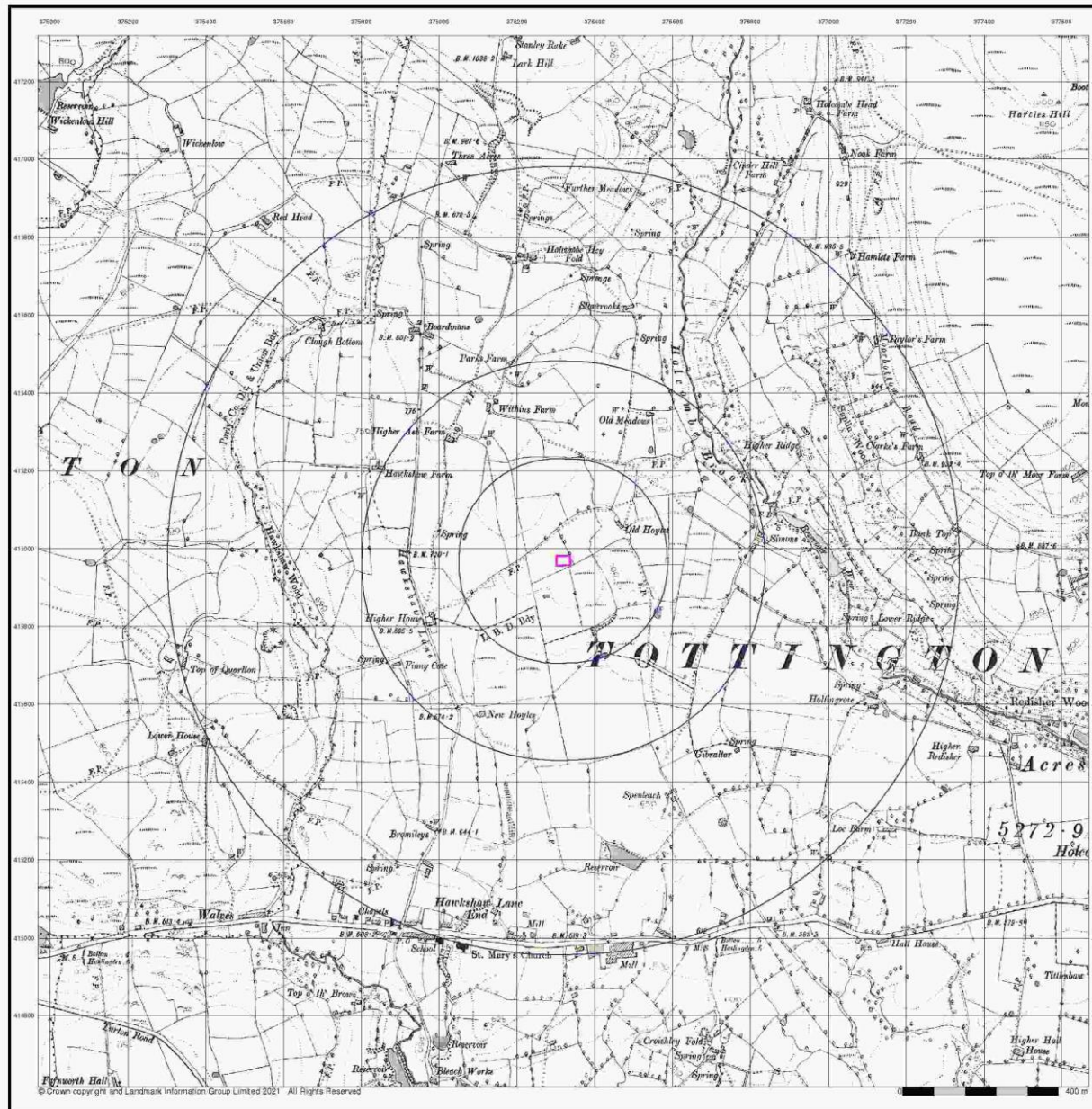
Order Number: 286855162_1_1
 Customer Ref: nwrca-holcombe training camp-261021
 National Grid Reference: 376320, 415970
 Slice: A
 Site Area (Ha): 0.09
 Search Buffer (m): 1000

Site Details

Holcombe Moor Training Centre, Spen Leach Lane, Hawkshaw, Bury, BL8 4JJ

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



Envirocheck®

LANDMARK INFORMATION GROUP®

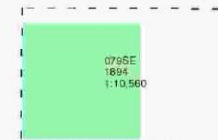
Lancashire And Furness

Published 1894

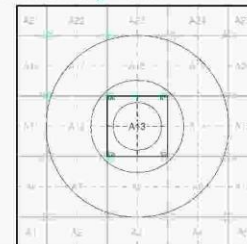
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1840's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 286855162_1_1
Customer Ref: nwrca-holcombe training camp-261021

National Grid Reference: 376320, 415970

Slice: A

Site Area (Ha): 0.09

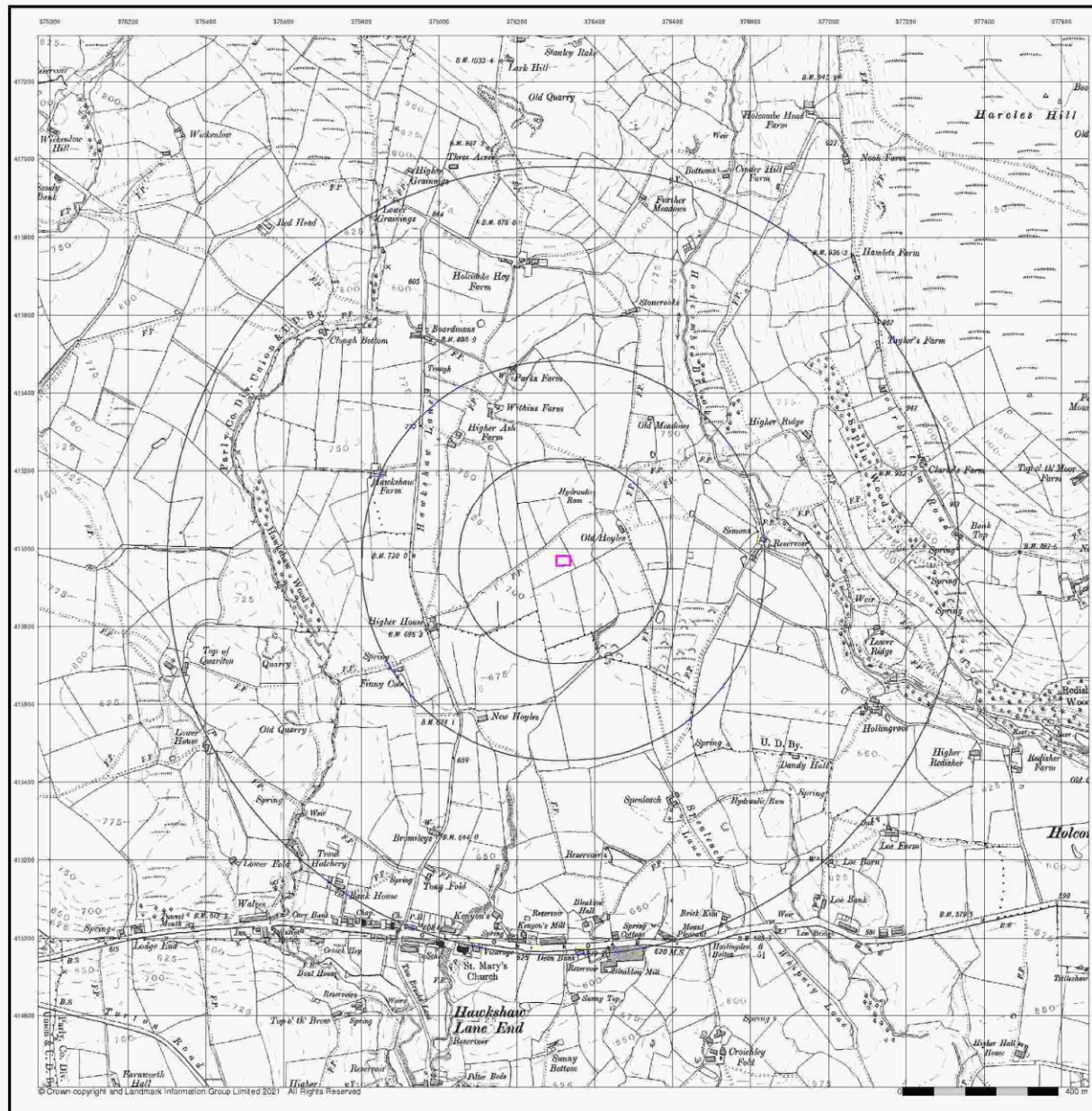
Search Buffer (m): 1000

Site Details

Holcombe Moor Training Centre, Spen Leach Lane, Hawkshaw, Bury, BL8 4JJ

Landmark
LANDMARK INFORMATION GROUP

Tel: 0844 848 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

LANDMARK INFORMATION GROUP®

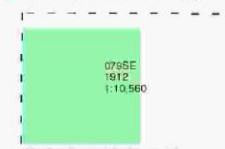
Lancashire And Furness

Published 1912

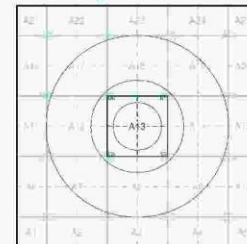
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1840's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 286855162_1_1
Customer Ref: nrwica-holcombe training camp-261021

National Grid Reference: 376320, 415970

Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

Holcombe Moor Training Centre, Spen Leach Lane,
Hawkshaw, Bury, BL8 4JJ

Landmark
INFORMATION GROUP

Tel: 0844 848 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk