



Client:

NJA Pension Scheme
Unit 4A Brown Street
Littleborough
Rochdale
OL15 8BN

C J Partnership
Blue Pit Mill
Queensway
Castleton
Rochdale
OL11 2PG

Phase I Desk Study and Preliminary Contaminated Land Risk Assessment

Brown Street, Littleborough

Feb 2020

Site Ref: 6039/UNF V1.00 PCLRA

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Phase I Desk Study and Preliminary Contaminated Land Risk Assessment

1. Introduction

This report is an account of a Phase I Desk Study and Preliminary Contaminated Land Risk Assessment carried out by GeoAssist Limited at the request of C J Partnership on behalf of the Client, NJA Pension Scheme for the proposed residential development at Brown Street, Littleborough.

The work was commissioned following the receipt of instruction to proceed issued by C J Partnership on behalf of the Client, NJA Pension Scheme on the 6th February 2020.

The purpose of this Phase I investigation is to provide information in order to ensure that the site is assessed in accordance with the methodology outlined in CLR11, satisfies the relevant requirements of the National Planning Policy Framework March 2012 and is suitable for the intended proposed land use. In this case, as a potential residential development.

The approximate grid reference for the centre of the site is 393520, 416420 and the total area of the site is approximately 4000 m². The area of the site is outlined with a red line on the site plan in Appendix A1.

2. Description of the Site

The site is located in a mixed residential and commercial area off Brown Street, Littleborough. The site forms an irregular shape and the topography of the site falls to the north.

At the time of the site visit the site was in use as self-storage units, with a number of shipping containers across the site and several commercial units. The northern tip of the site is overgrown woodland.

Residential property forms the southern boundary, Brown Street bounds the site to the east, over which lies further residential property. A thin tree line bounds the site to the west, beyond which lies commercial property. Park land lies to the north of the site.

No visual or olfactory observations of contaminants were noted during the site walkover. Photographs from the site visit form appendix A2 to this report.

3. Historical Researches

3.1 Historical Mapping

Examination of the historical maps of the area confirms that prior to the site being commercial buildings the land use was agricultural fields.

A series of historical maps and ordnance plans have been reviewed as part of this search. The following table highlights plans and maps that are of particular significance for the purpose of this report. Where possible, reference to the large scale (1:500, 1:1056, 1:1250 & 1:2,500) plans and maps has been made in preference to those at smaller scales (1:10,560 & 1:10,000) as the details on the smaller scale plans and maps are often lacking because of the lower resolution at which they were originally drafted.

Published	Source Scale	Potentially contaminative Feature within 250m of site boundary	Remarks	Direction from site	Distance from site(m)	Feature still present on 2018 edition?
1851	1:10,560		Agricultural Land	On Site	0	No
		Reservoir	Re developed By 1978	SW	60	No
		Mill (Cotton/Woolen		S&W	>140	No
1891	1:500	Gas Works	Reclaimed by 1988	N	20	No
		Reservoirs		N	>132	No
			Buildings (Probably commercial)	On site	0	No
1893	1:2,500					
1894 – 1895	1:10,560					
1910	1:2,500	Raising and Finishing Mill		W	240	No
		Machine Works		S	165	No
1910 – 1911	1:10,560					
1930	1:2,500	Artificial Silk Mill and Cooling Tank		W	90	No
		Mounds/Worked Ground		W	20	No
1930 – 1932	1:10,560					
1937	1:2,500					
1938	1:10,560					
1956	1:10,000					
1960	1:1,250	Works		On site	0	No
		Allotment Gardens		On site	0	No
		Warehouse		W	90	No
1961	1:2,500					
1968	1:10,000					
1978	1:10,000					
1978 – 1988	1:1,250	Electricity Sub-station		SW	50	Yes
		Warehouse		W	155	Yes
		Works		S&W	60	Yes/No
		Garages		SW	100	No
1985 – 1989	1:1,250					
1990	1:10,000					
1992	1:1,250					
1999	1:10,000					
2020	1:10,000					

A comprehensive list of the historical maps as referred to is attached in Appendix B1 to this report.

3.2 Anecdotal Historical Information

Anecdotal historical information has not been provided as part of this investigation.

3.3 Previous Intrusive Investigation

There is no indication that previous subsurface ground investigations have been undertaken on this site. The issues to be covered in the present investigation are to provide information in respect of any potentially unacceptable geo-environmental risks arising from previous land uses in the immediate area, including from ground gas, and the potential for these sources of contamination to impact both present and future receptors, including:

- Human
- Controlled waters via established pathways
- Property
- Adjoining land and ecological systems

3.4 Environmental Data Search

An Environmental data search report referenced 233587928_1_1, has been used for background data on this site and is included as appendix C1.

3.4.1 Historical Land uses

The Environmental data search report referenced 233587928_1_1, summarises that past and present use of the site does not have the potential to lead to significant ground contamination. The report summarises that adjacent areas up to 250m indicate that there are likely to have been potentially contaminative land uses, capable of impacting the site. Data from the historical plans indicate that the site and the immediate surrounds (250m) are likely to have been significantly impacted by historic contamination from both on and off site land uses.

3.4.2 Statutory Authorisations, Incidents and Registers

The Environmental data search report referenced 233587928_1_1, confirms that within 250m of the site boundary there is/are:

- No discharge consents
- 2 active water abstraction licences, the closest located 57m south of the site
- 4 local authority pollution prevention controls, the closest located 113m west of the site for a metal coating process
- 6 recorded pollution incidents to controlled waters, the closest of which is located 2m southwest of the site and dated May 1996, however no pollution was found. All of the incidents were categorised as Category 3 – Minor Incident, with the latest being recorded in 1998.

Given the distance from any recorded incidents and controls, it is unlikely that the proposed development will be significantly impacted.

3.4.3 Landfill & Other Waste Sites

The Environmental data search report referenced 233587928_1_1, indicates that Rochdale Metropolitan Borough Council has no Landfill data to supply. The Environment Agency England and Wales have supplied the following landfill and waste site data.

Table 3.4 A summary of the landfill/waste transfer data as provided by the Environment Agency England & Wales and the environmental data search report referenced 233587928_1_1

Site name	Material deposited	Operational period	Approximate distance from site (m)	Direction from site
No registered historical or active landfill sites or waste transfers operations within 250m of the site boundary				

The potential for ground gas generation from registered landfill sources and subsequent ingress into the proposed development is classified as low given the distance from any recorded potential sources of landfill gas.

3.4.4 In-Filled Land

Data from the County Series Surveys and the Ordnance Survey plans of the area confirms that there are likely to be areas of infilled land within 250m of the site boundary from the historical infilling of reservoirs along with unknown nearby earth works. The potential for ground gas generation from infilled land and subsequent ingress into the proposed development is classified as low to moderate due to the age, likely origin and distance from possible infilled land.

4. Geology & Hydrogeology

4.1 Site Geology

The relevant 1:10,560 Geological maps of the area referenced SD 91 NW published 2007 and 81 SW Lancashire resurveyed 1922, shows the superficial boundary on the western border of the site. Alluvial Fan deposits are shown to the east of the boundary and Boulder Clay to the west. The thickness of the drift is not readily discernible from the geological map.

The solid geology is shown as being Pennine Lower Coal Measures – Mudstone, Siltstone and Sandstone of the Carboniferous Period.

No faults are shown as passing directly beneath the site however, the surrounding area is faulted with a number of coal seams shown.

4.2 Radon Affected Area

The Environmental data search report referenced 233587928_1_1, indicates that the site is in a lower probability radon area. No radon protective measures are necessary in the construction of new dwellings or extensions.

4.3 Hydrogeology and Groundwater Vulnerability

The Bedrock Aquifer Designation as determined by the British Geological Survey is: Secondary A - permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers; The Superficial Aquifer Designation as determined by the British Geological Survey is: Secondary A - permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

4.4 Surface Water

The Environmental data search report referenced 233587928_1_1, and plans of the site indicate that the nearest surface water feature is the River Roch located 157m south of the site boundary. There is no evidence that the site in its present state, or any proposed development, will significantly impact surface water receptors and consequently the risk to surface waters is classified as low.

4.5 Subsurface Water

There is no evidence that the site in its present state or the proposed development will impact subsurface water receptors and consequently the risk to subsurface waters is classified as low.

4.6 Water Abstractions

The Environmental data search report referenced 233587928_1_1, indicates that there are two active water abstractions within 250m of the site boundary. The site does not lie within a source protection zone. The Environment Agency England and Wales has defined Source Protection Zones (SPZs) for 2000 groundwater sources such as wells, boreholes and springs used for public drinking water supply. These zones show the risk of contamination from any activities that might cause pollution in the area. The closer the activity, the greater the risk.

The maps show three main zones (inner Zone I, outer Zone II and total catchment Zone III).

5. Mineworkings & Mineral Sites

The Environmental data search report referenced 233587928_1_1, indicates that the site is located in an area that may be affected by coal mining.

The Coal Authority Mining Report referenced 51002253696001 confirms that:

- The property is not within a surface area that could be affected by any past recorded underground coal mining.
- The property is not within a surface area that could be affected by present underground mining.
- The property is not in an area where the Coal Authority has received an application for and is currently considering whether to grant a licence to remove or work coal by underground methods.
- The property is not in an area likely to be affected from any planned future underground coal mining.
- However, reserves of coal exist in the local area which could be worked at some time in the future.
- No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.
- There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.
- The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.
- There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

- The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31 October 1994.
- There is no current Stop Notice delaying the start of remedial works or repairs to the property.
- The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.
- The Coal Authority has no record of a mine gas emission requiring action.
- The property is not in an area where a notice to withdraw support has been given.
- The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

The professional opinion of the Coal Authority report summarises that:

- According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. It is unlikely that these features will impact on the stability of the enquiry boundary.

The site is not situated within a Coal Authority High Risk Area.

Consequently, the risk to the development on this site in respect of past, present or future coal workings or mineral extraction is classified as low.

6. Designated Environmentally Sensitive Sites

The environmental data search report referenced 233587928_1_1, indicates the site is not situated within, or with 250m of an environmentally sensitive site.

7. Contemporary Directory Trade Entries

The environmental data search report referenced 233587928_1_1, indicates that there are a number of active trade entries within 250m of the site boundary.

Given the nature and distance of any recorded trades, the likelihood that the proposed development will be impacted is negligible.

8. Conceptual Model

The table below is the conceptual model for the site based on the information available at this time.

Table 8.1 Preliminary Conceptual model.

Potential Source /Hazard	Nature of Hazard (Risk Level to site given a residential end use)	Contaminants Associated with Source	Potential Pathway	Potential Receptor
Previous ON SITE Land uses:				
1. Previous Land Use Agricultural land/ Commercial units	Ground contamination Moderate Risk	See DoE Industry Profiles	Dermal Contact Ingestion Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
Previous OFF SITE land uses within 250m as indicated by Historical Plans Including:				
2. Cotton / Woollen Mills	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
3. Gas Works	Ground contamination Moderate Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
4. Raising and Finishing Works	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	None	Site Users Future Buildings & Services
5. Reservoir (infilled)	Ground contamination Low Risk	None	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	Methane Carbon Dioxide	Vertical and Lateral Migration	Site Users Future Buildings & Services
6. Electricity Sub- station	Ground contamination Low Risk	Heavy Metals	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
7. Garage	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
8. Warehouses	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
9. Machine Works	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
10. Artificial Silk Mill with Cooling Tank	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
11. Mounds/ Work Ground	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Inhalation	Site Users Construction workers
	Gas from in-filled ground Low to Moderate Risk	Methane Carbon Dioxide	None	Site Users Future Buildings &

Potential Source /Hazard	Nature of Hazard (Risk Level to site given a residential end use)	Contaminants Associated with Source	Potential Pathway	Potential Receptor
12. Works	Ground contamination Low Risk	None	Dermal Contact Inhalation	Services Site Users Construction workers
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
13. Coal Workings & Mineral Extraction	Geotechnical Hazard Low Risk	None	Ground Collapse Subsidence	Humans (site users) Future Buildings & Services
	Ground contamination Low Risk	None	None	Site Users Services
	Mine Gas Low Risk	None	None	Humans (site users) Future Buildings & Services

Only sources that have not been present on site in the past or currently are considered within the off site category. Unless the information is deemed to be pertinent to the analysis.

From the sources of information examined as part of this investigation a moderate potential for contaminated materials to be present on site has been established and a low to moderate potential for the presence of ground gas. There is a low likelihood of geotechnical hazards from past coal workings.

9. Conclusions & Recommendations

The evidence presented elsewhere within this report indicates a requirement for further investigation in the form of intrusive site works. The phase I report has demonstrated that there is the potential the site has been impacted by historical land use and as a consequence there is a requirement on this site for sources of potential contamination to be investigated.

Details of the exact nature and extent of the intrusive works can only be confirmed following agreement with the Local Planning Authority. However, they are likely to include the following:

- Exploration Holes to confirm the nature and type of materials underlying the site.
- The sampling and testing of a number of representative soil samples for a range of determinants as listed in the conceptual model based on the recommendations in the DoE industry profiles and experience to enable a more robust quantitative risk assessment to be made in accordance with the methods set out in CLR11.
- The installation of a number of ground gas monitoring points with associated monitoring over a period of time as defined by best practice guidance.
- The preparation of a report detailing the results of the Ground Investigation, updating of the conceptual model to include the quantitative analysis and the implications of the results in terms of future development.

9.1 Supplementary Recommendations

If the proposed development is being warranted under a guarantee scheme such as that operated by the NHBC, then a basic site investigation for both geotechnical and environmental purposes will be required as part of the standard terms of the agreement and the developer should seek to obtain such services as soon as possible.



Matthew Benson MSc GMICE
Geotechnical/Environmental Engineer



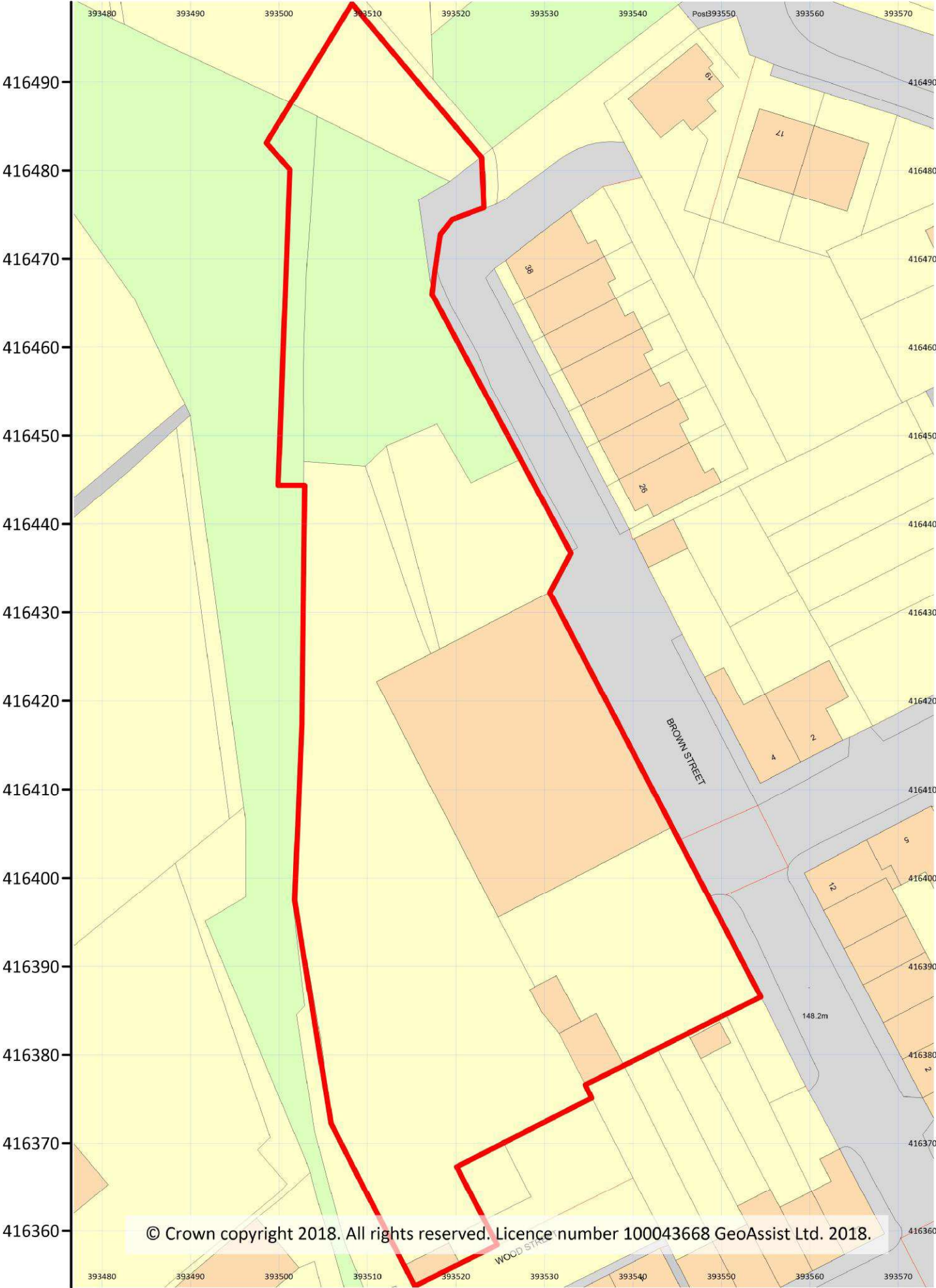
Mark Richardson MSc CEng MICE
Technical Director

This report has been prepared by GeoAssist Limited with all reasonable professional skill, care and diligence within the terms of the contract with NJA Pension Scheme. The report is confidential to NJA Pension Scheme, their/the named persons advisors and bankers, and GeoAssist Limited accepts no responsibility of whatever nature to third parties to whom this report may be divulged. GeoAssist Limited owns the copyright in this report. All rights are reserved, and unauthorised use is prohibited. NJA Pension Scheme may use the report for their/her/his own purposes.

GeoAssist have utilised the third-party information presented in the Environmental data search in order to undertake the Preliminary Contaminated Land Risk Assessment. GeoAssist are not liable for any errors, omissions or facts that might be contained within the Environmental data search report

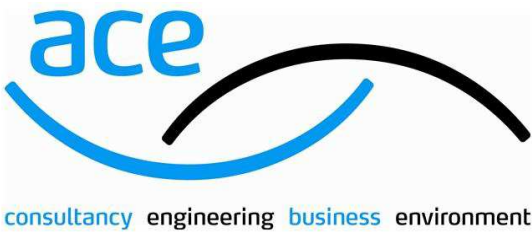
Appendix A

- A1** **Site Plan**
- A2** **Site Photographs**



A1 Site Plan

Site Name	Brown Street
Location	Littleborough
GeoAssist Ref	6039UNF
Client	NJA Pension Scheme
	Unit 4A Brown Street Littleborough Rochdale OL15 8BN
Planning Consultant	C J Partnership
NGR (centre of site)	393520,416420
Production Date	Feb 2020
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36



A2 Site Photos

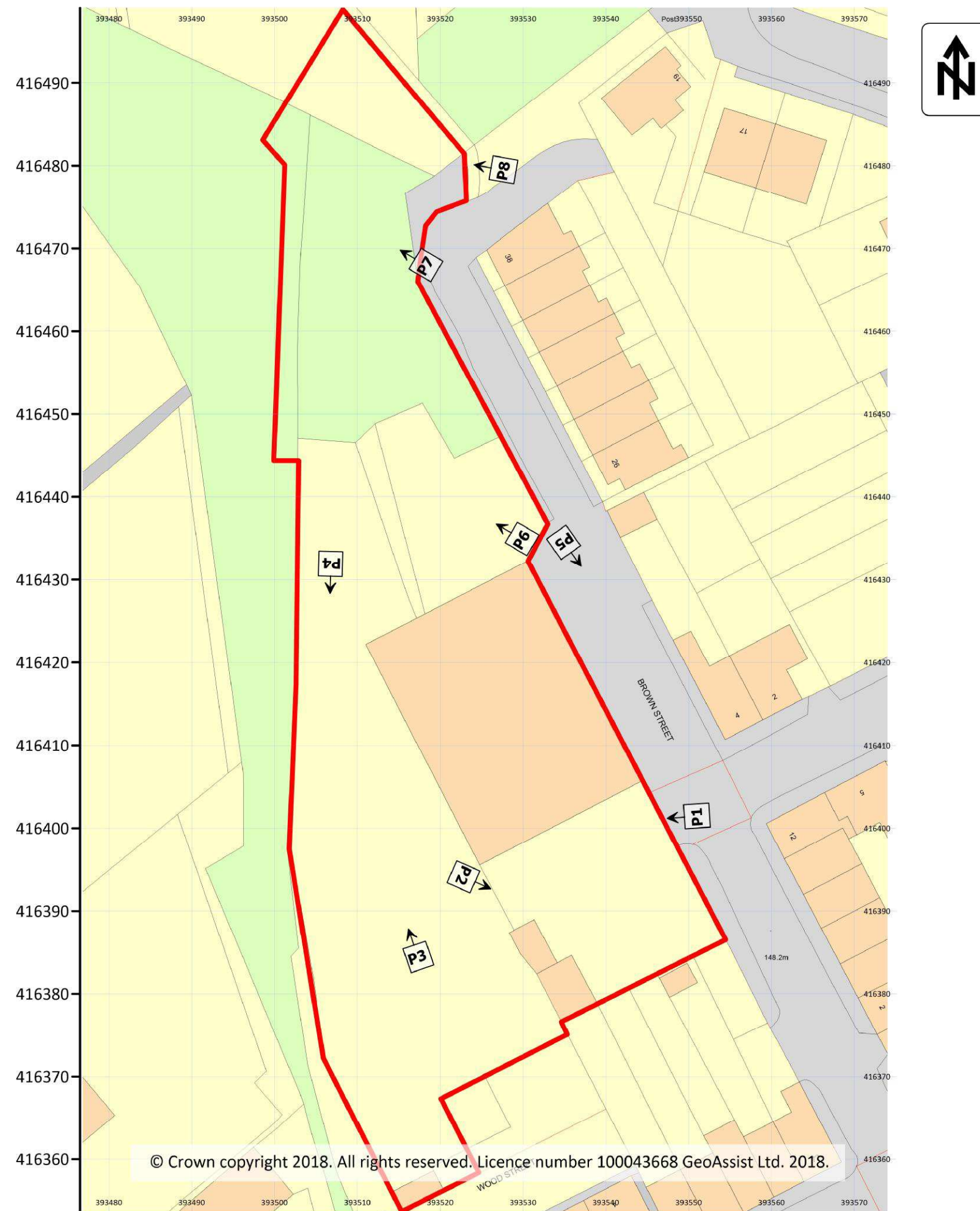
Site Name	Brown Street
Location	Littleborough
GeoAssist Ref	6039UNF
Client	NJA Pension Scheme
	Unit 4A Brown Street Littleborough Rochdale OL15 8BN
Planning Consultant	C J Partnership
NGR (centre of site)	393520,416420
Production Date	Feb 2020
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36





A2 Site Photos

Site Name	Brown Street
Location	Littleborough
GeoAssist Ref	6039UNF
Client	NJA Pension Scheme
	Unit 4A Brown Street Littleborough Rochdale OL15 8BN
Planning Consultant	C J Partnership
NGR (centre of site)	393520,416420
Production Date	Feb 2020
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36



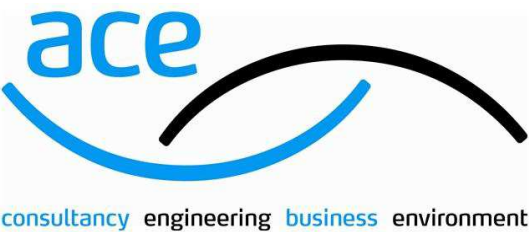
© Crown copyright 2018. All rights reserved. Licence number 100043668 GeoAssist Ltd. 2018.

A2. Site Photo Plan

Site Name	Brown Street
Location	Littleborough
GeoAssist Ref	6039UNF
Client	NJA Pension Scheme
	Unit 4A Brown Street Littleborough Rochdale OL15 8BN
Planning Consultant	C J Partnership
NGR (centre of site)	393520,416420
Production Date	Feb 2020
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36

A3. Site Plan Proposed

Site Name	Brown Street
Location	Littleborough
GeoAssist Ref	6039UNF
Client	NJA Pension Scheme
	Unit 4A Brown Street Littleborough Rochdale OL15 8BN
Planning Consultant	C J Partnership
NGR (centre of site)	393520,416420
Production Date	Feb 2020
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36



Appendix B

B1 Reference List of OS Historical Plans

Appendix B1

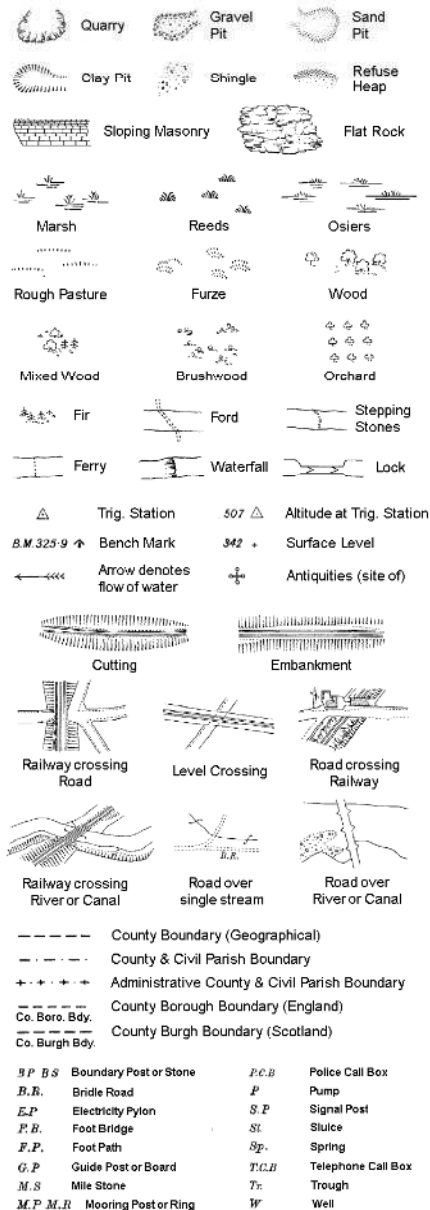
Map Series Name	Published	Source Scale
Lancashire And Furness	1851	1:10,560
Yorkshire	1854	1:10,560
Lancashire And Furness	1894-1895	1:10,560
Yorkshire	1894-1895	1:10,560
Yorkshire	1910-1911	1:10,560
Lancashire And Furness	1910-1911	1:10,560
Yorkshire	1910-1911	1:10,560
Lancashire And Furness	1930-1932	1:10,560
Lancashire And Furness	1938	1:10,560
Ordnance Survey Plan	1956	1:10,560
Ordnance Survey Plan	1968	1:10,560
Ordnance Survey Plan	1978	1:10,000
Ordnance Survey Plan	1990	1:10,000
10K Raster Mapping	1999	1:10,000
StreetView	2020	1:10,000

Appendix B1 Continued

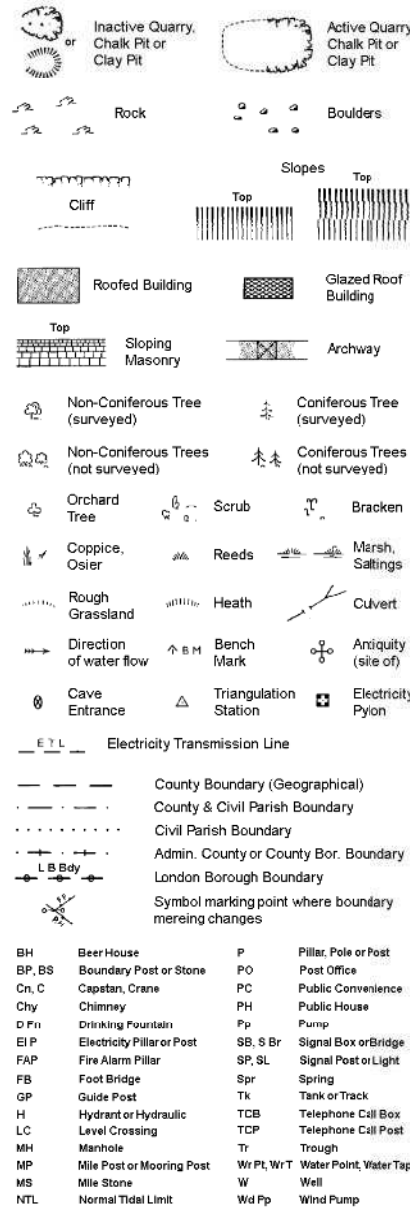
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Lancashire And Furness	1891	1:500
Lancashire And Furness	1893	1:2,500
Lancashire And Furness	1910	1:2,500
Lancashire And Furness	1930	1:2,500
Lancashire And Furness	1937	1:2,500
Ordnance Survey Plan	1960	1:1,250
Ordnance Survey Plan	1961	1:2,500
Ordnance Survey Plan	1965-1970	1:1,250
Additional SIMs	1978-1988	1:1,250
Additional SIMs	1985-1989	1:1,250
Additional SIMs	1988	1:1,250
Large-Scale National Grid Data	1992	1:1,250
Large-Scale National Grid Data	1993	1:1,250
Large-Scale National Grid Data	1996	1:1,250

Historical Mapping Legends

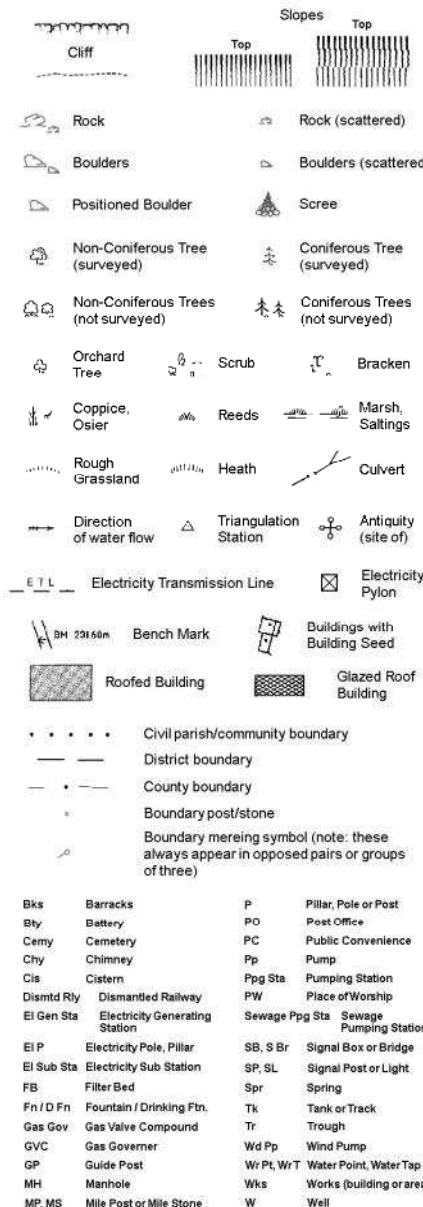
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



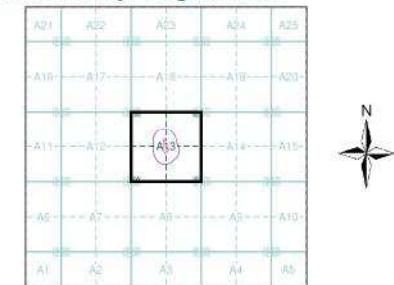
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:1,250	1960	6
Ordnance Survey Plan	1:2,500	1961	7
Ordnance Survey Plan	1:1,250	1965 - 1970	8
Additional SIMs	1:1,250	1978 - 1988	9
Additional SIMs	1:1,250	1985 - 1989	10
Additional SIMs	1:1,250	1988	11
Large-Scale National Grid Data	1:1,250	1992	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1996	14

Historical Map - Segment A13

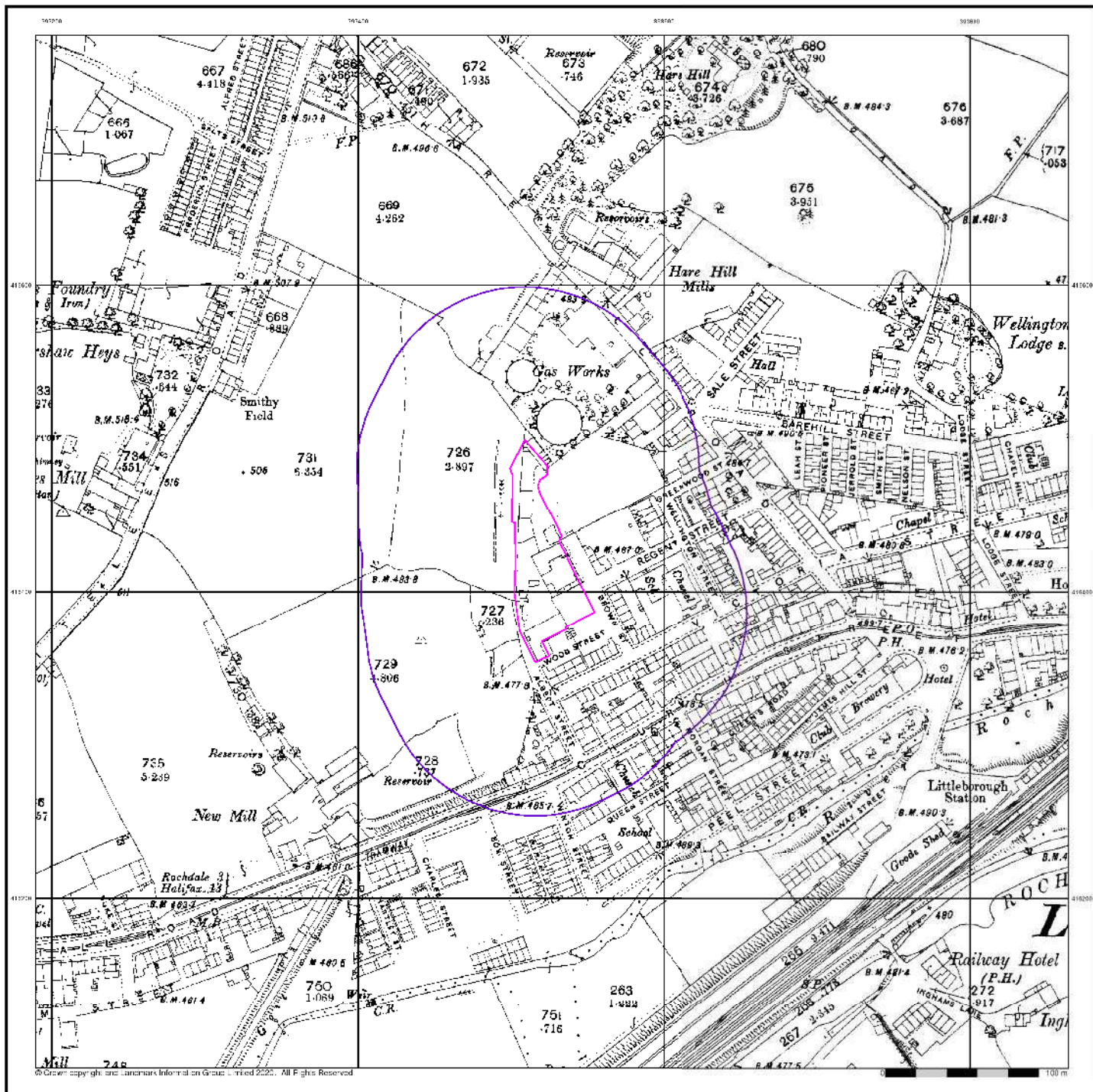


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Lancashire And Furness

Published 1893

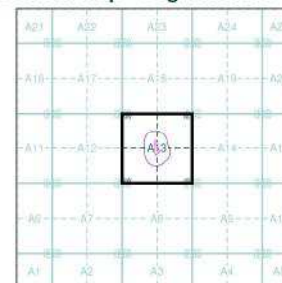
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13

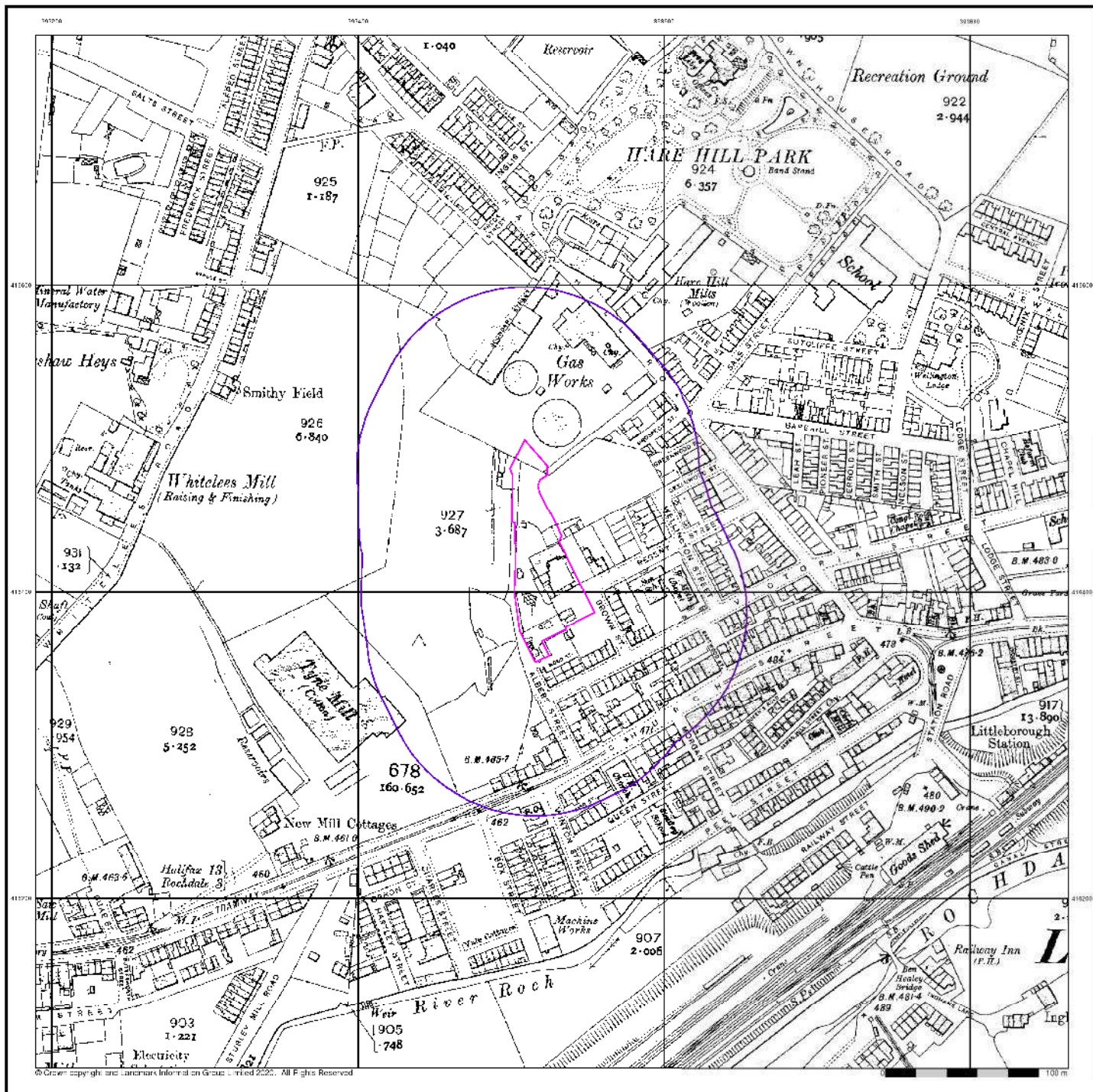


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

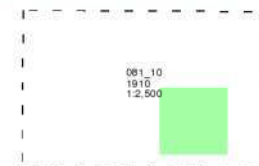
Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



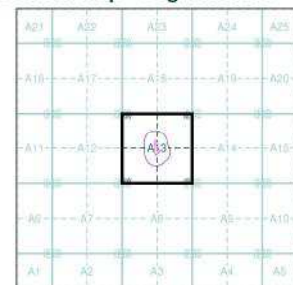
Lancashire And Furness
Published 1910
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13

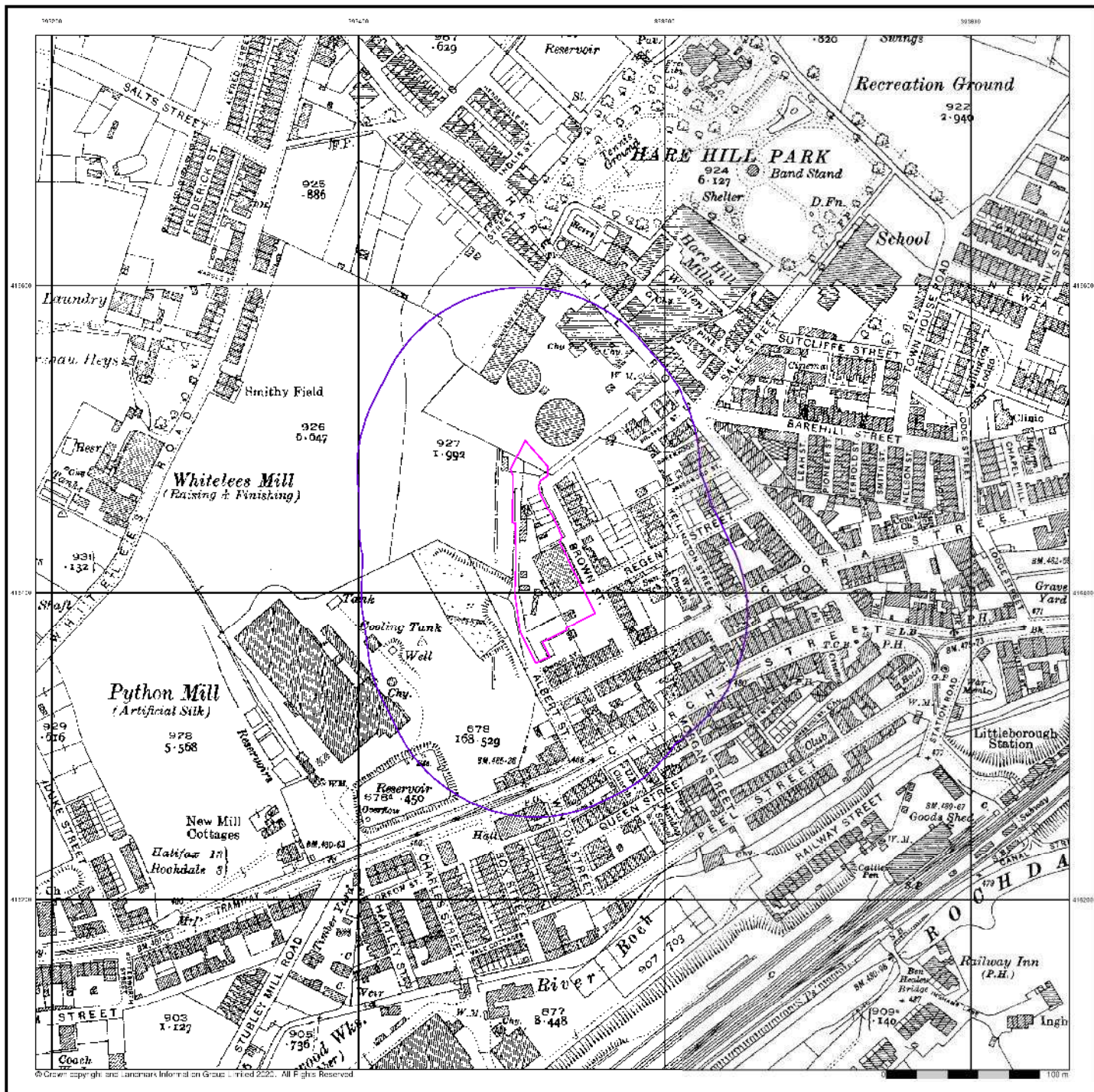


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Lancashire And Furness

Published 1930

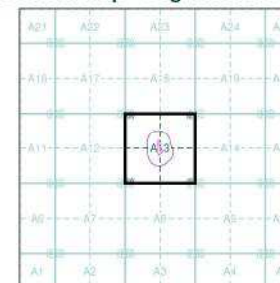
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13

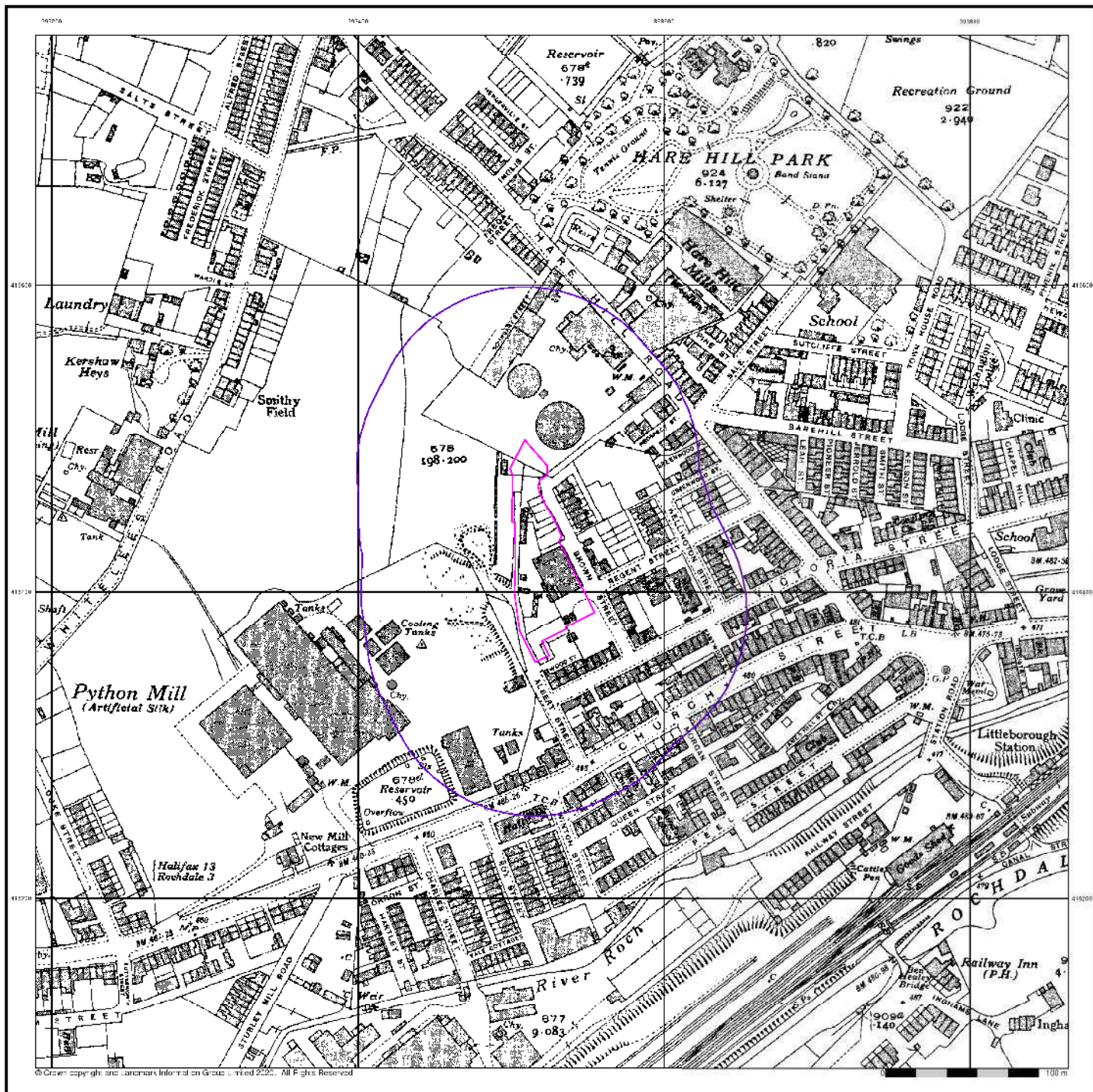


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Lancashire And Furness

Published 1937

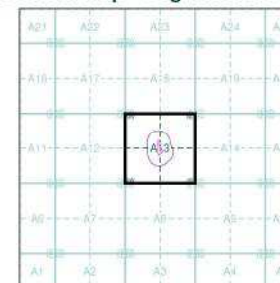
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13

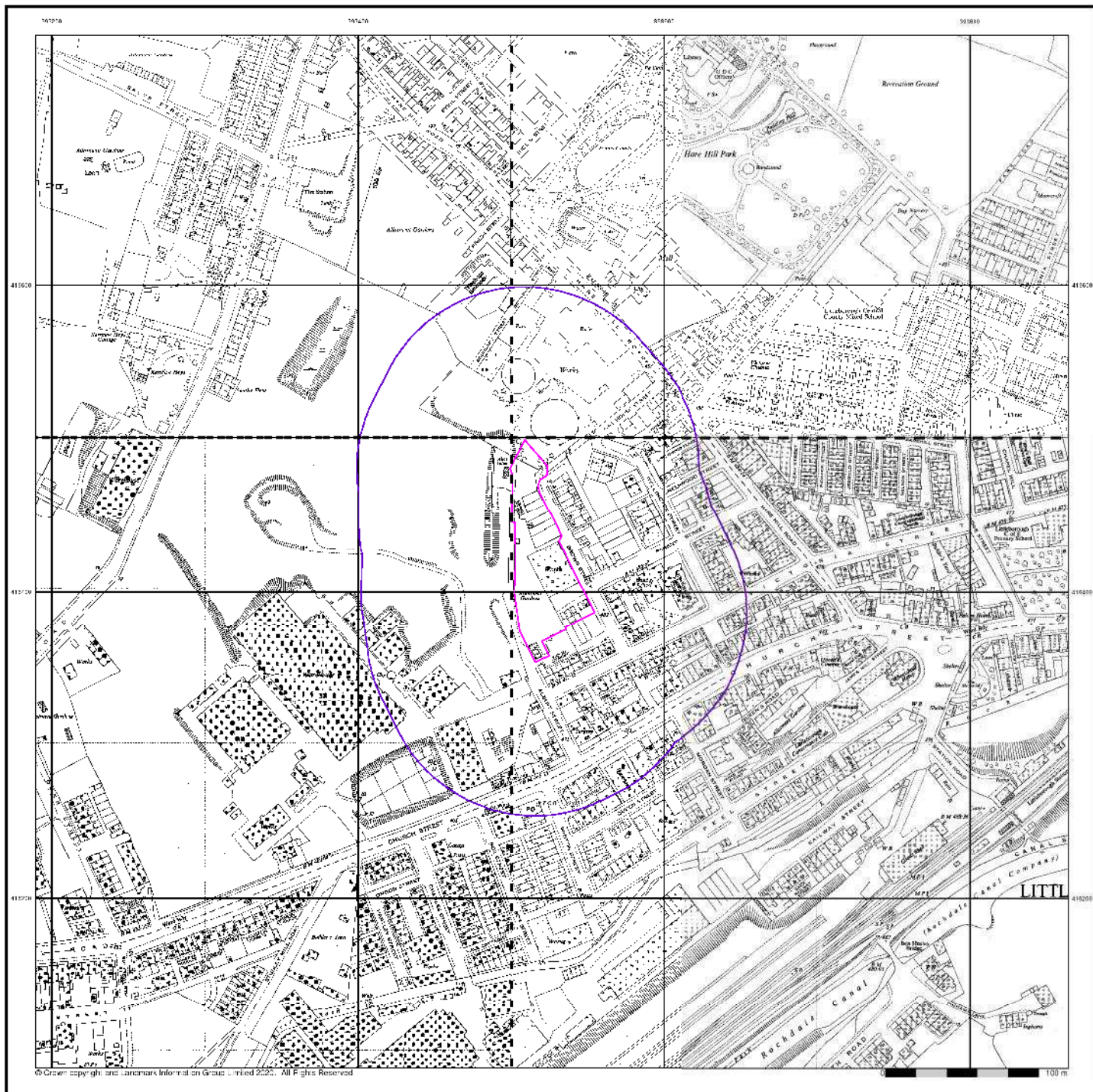


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Ordnance Survey Plan

Published 1960

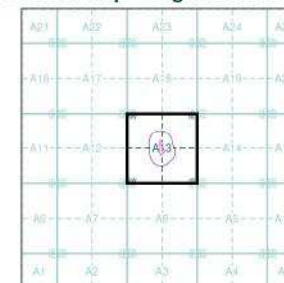
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

SD9316NW 1960 1:1,250	SD9316NE 1960 1:1,250
SD9316SW 1960 1:1,250	SD9316SE 1960 1:1,250

Historical Map - Segment A13

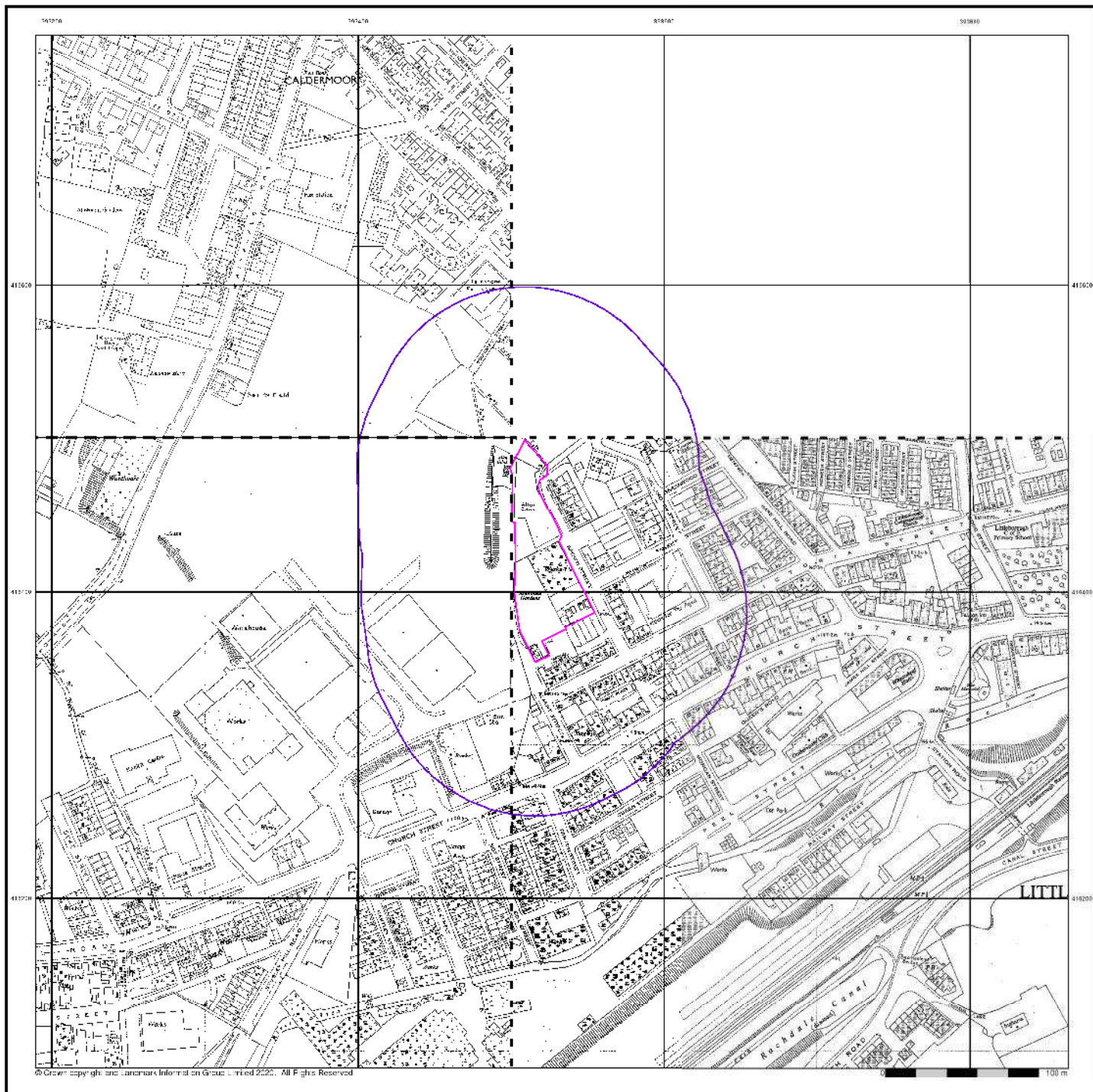


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Additional SIMs

Published 1985 - 1989

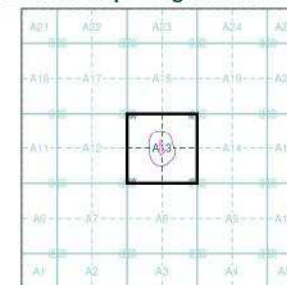
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD9316NW	1989	1:1,250
SD9316SW	1985	1:1,250
SD9316SE	1989	1:1,250

Historical Map - Segment A13

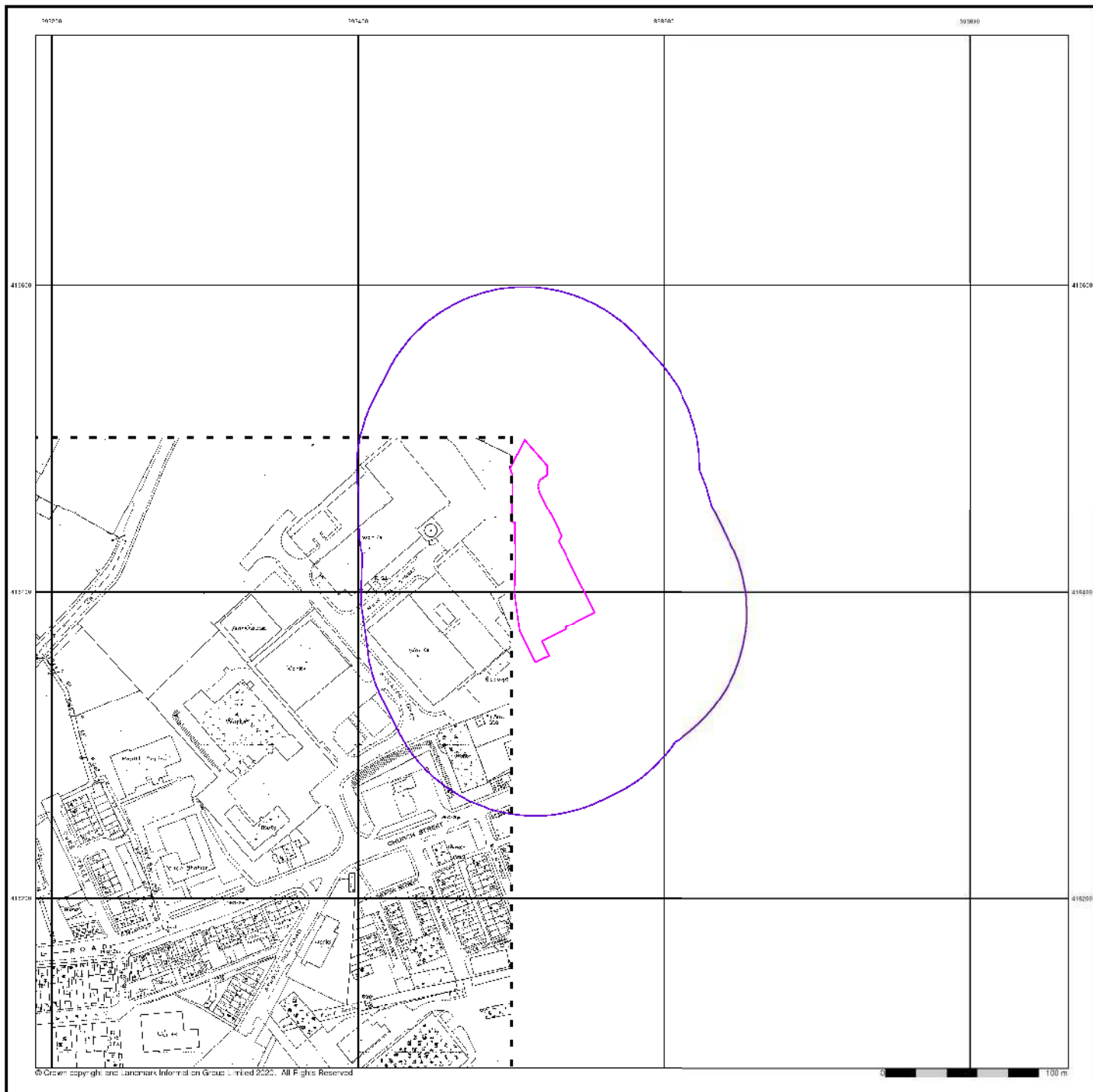


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Additional SIMs

Published 1988

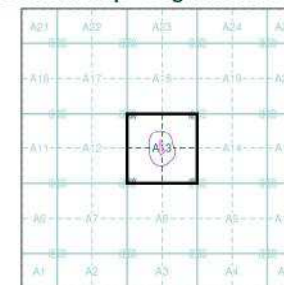
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

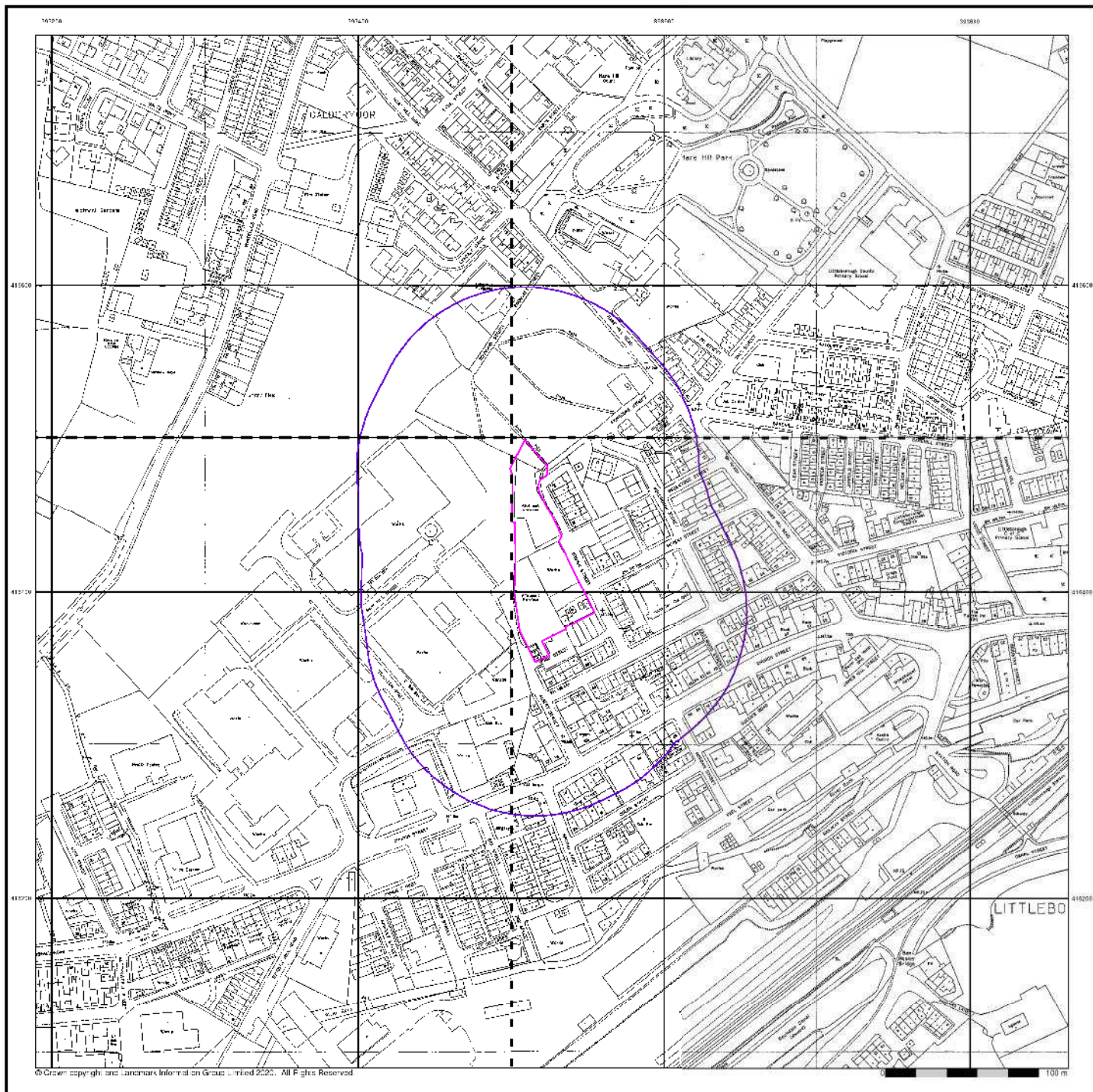


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Large-Scale National Grid Data

Published 1992

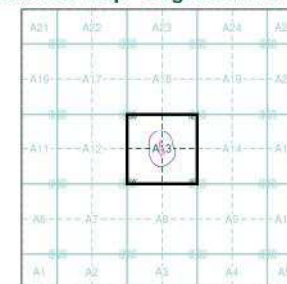
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8316NW 1992 1:1,250	SD8316NE 1992 1:1,250
SD8316SW 1992 1:1,250	SD8316SE 1992 1:1,250

Historical Map - Segment A13

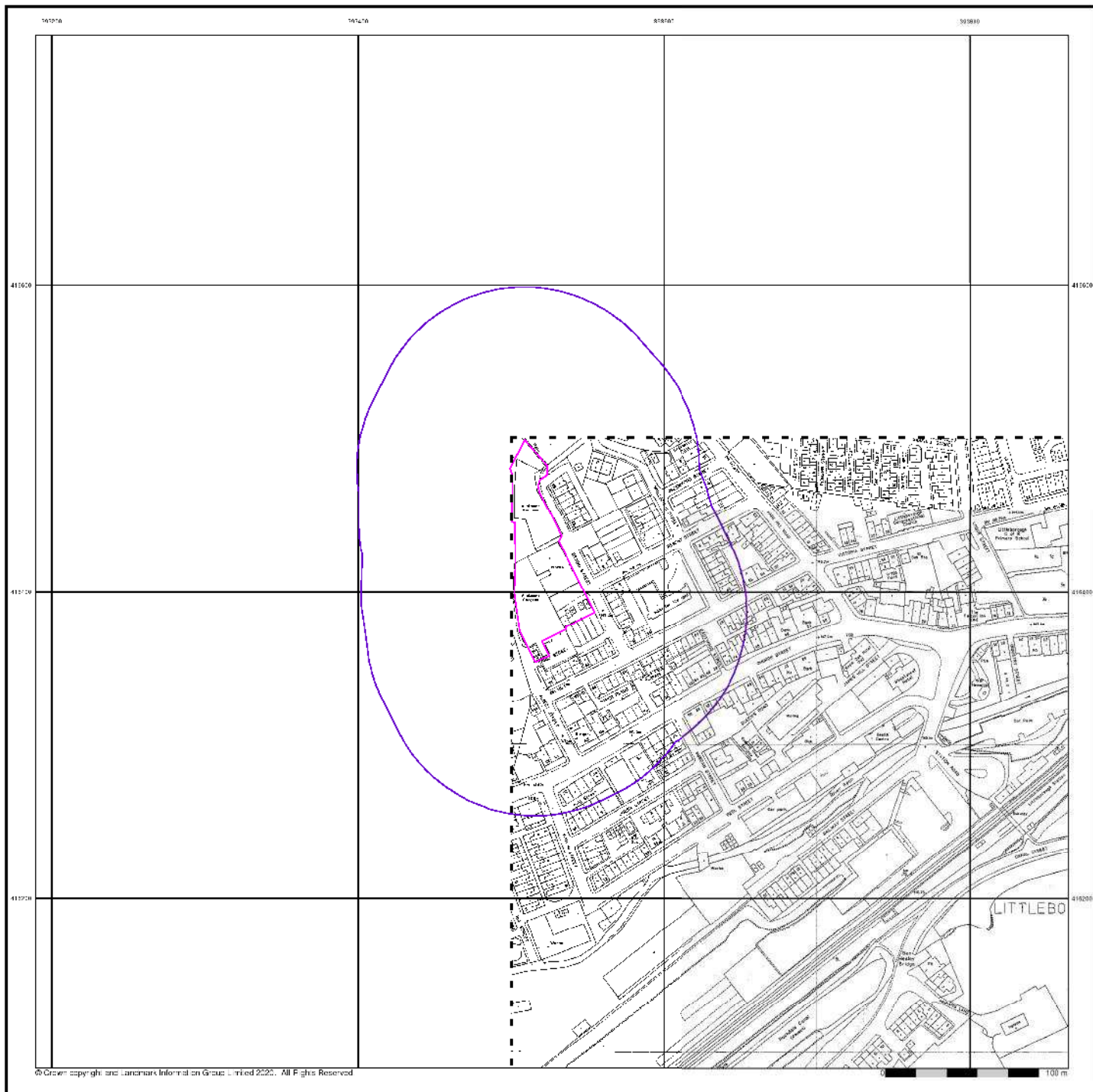


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



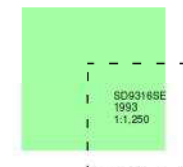
Large-Scale National Grid Data

Published 1993

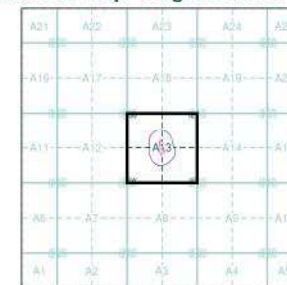
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

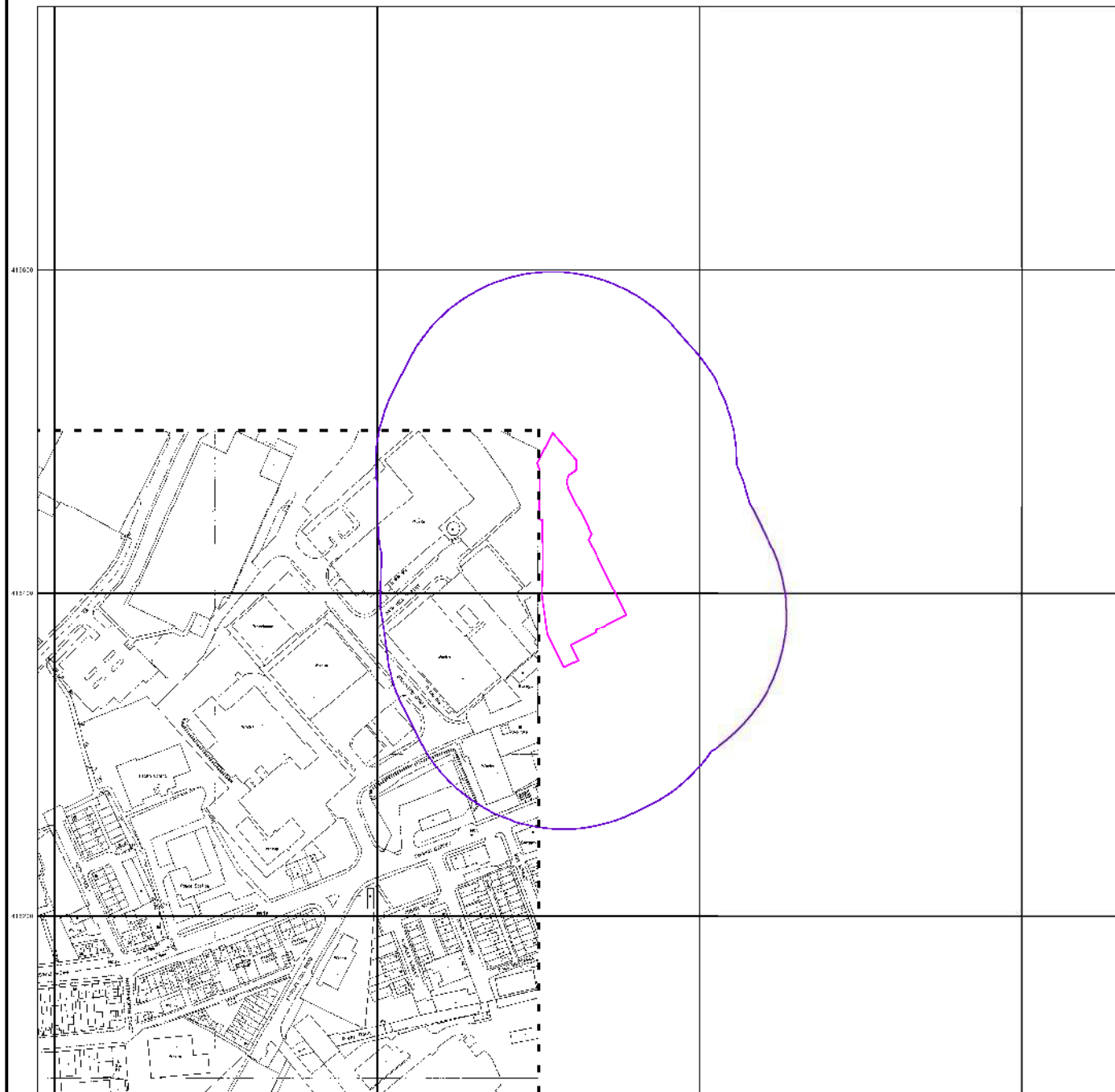


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



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0 100 m

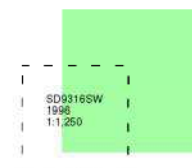
Large-Scale National Grid Data

Published 1996

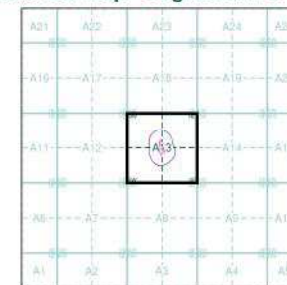
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

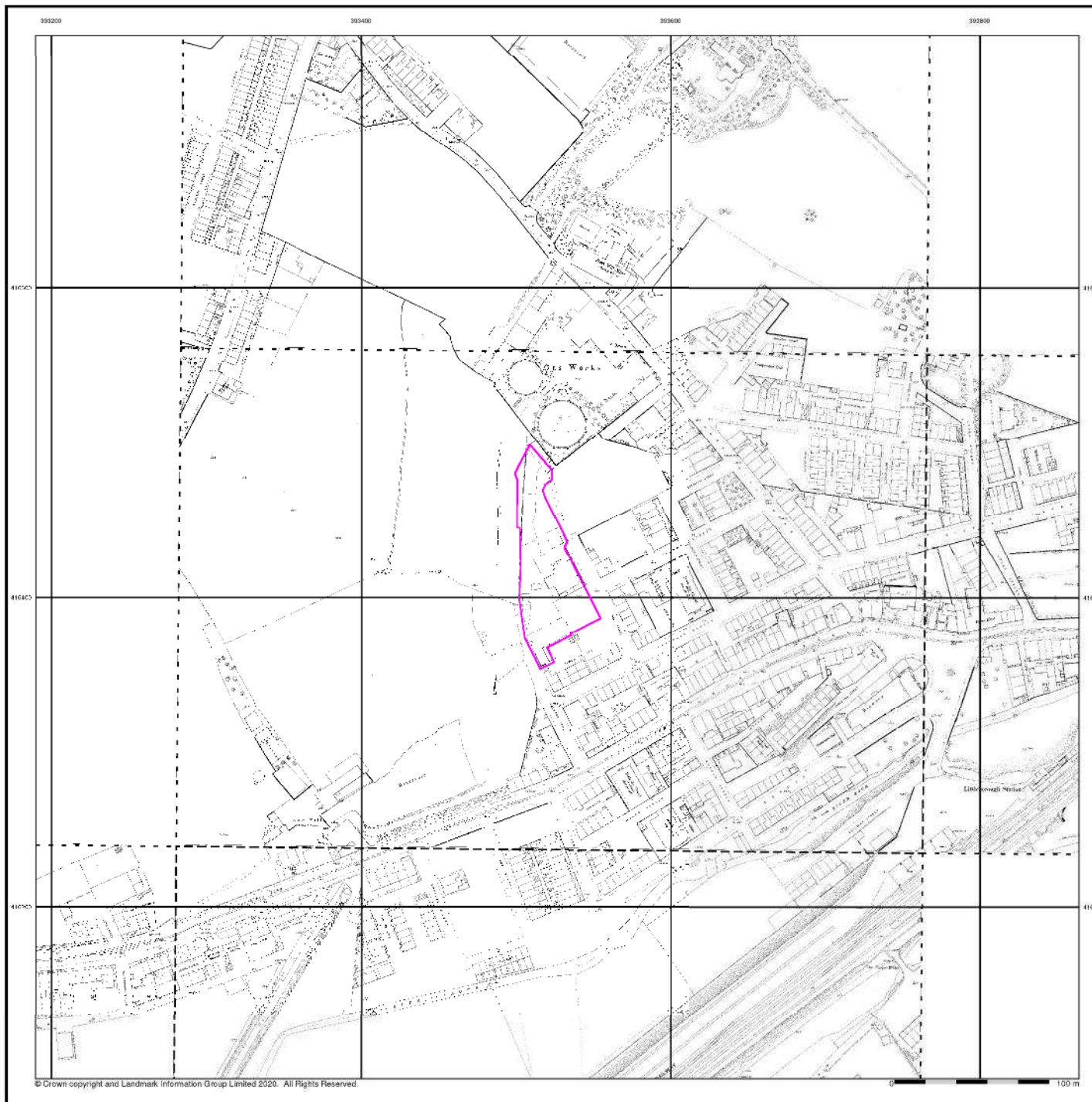


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Lancashire And Furness

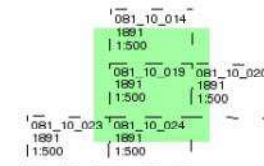
Published 1891

Source map scale - 1:500

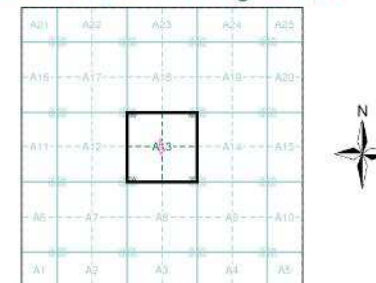
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to complement the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13

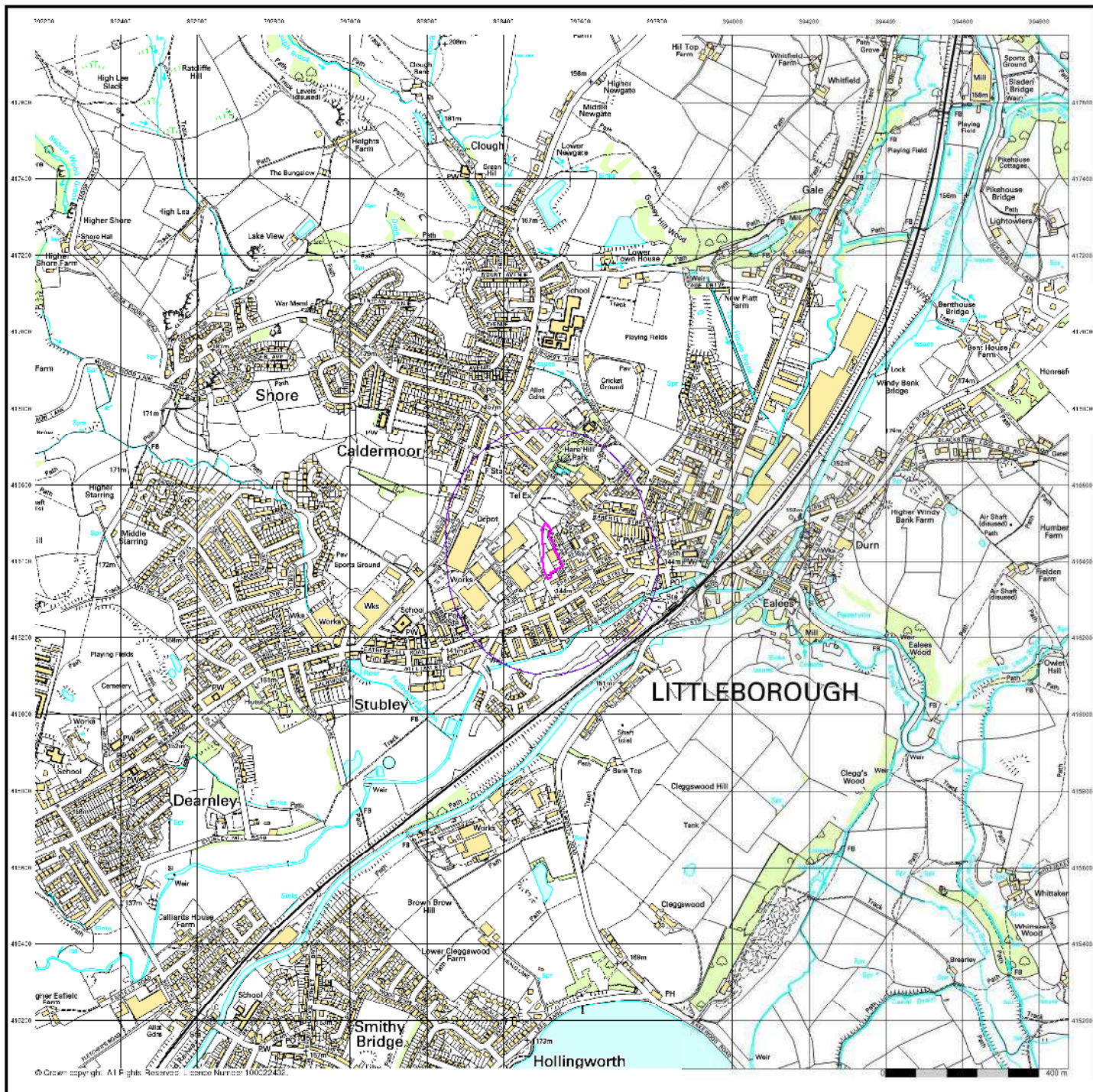


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 0

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



10k Raster Mapping

Published 1999

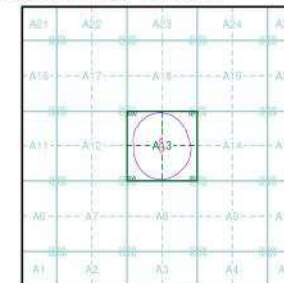
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A

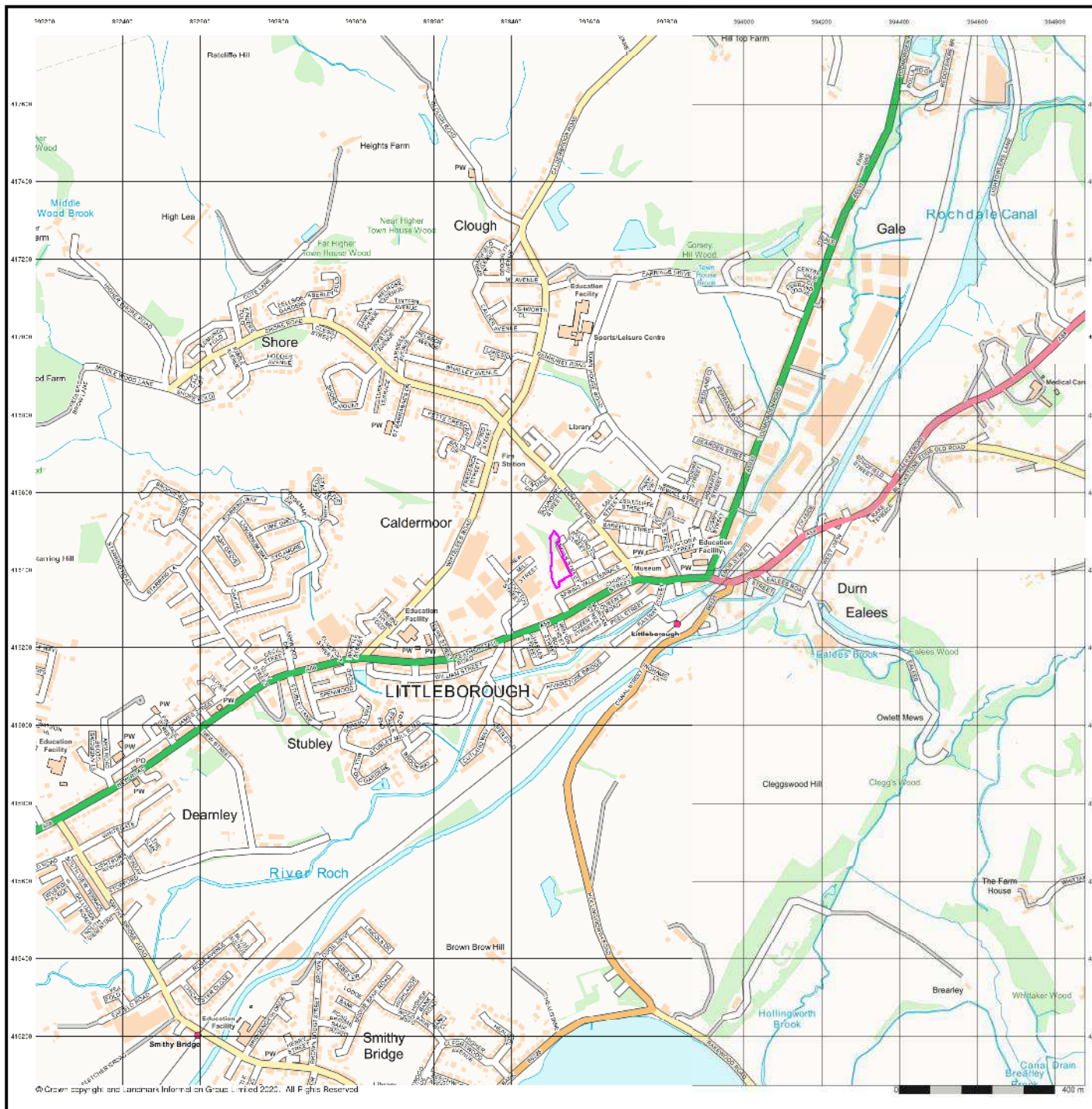


Order Details

Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 250

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW



Street View

Published 2020

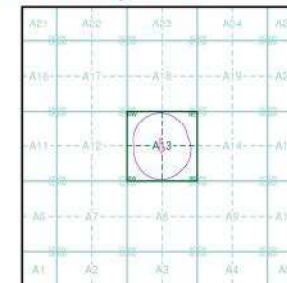
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

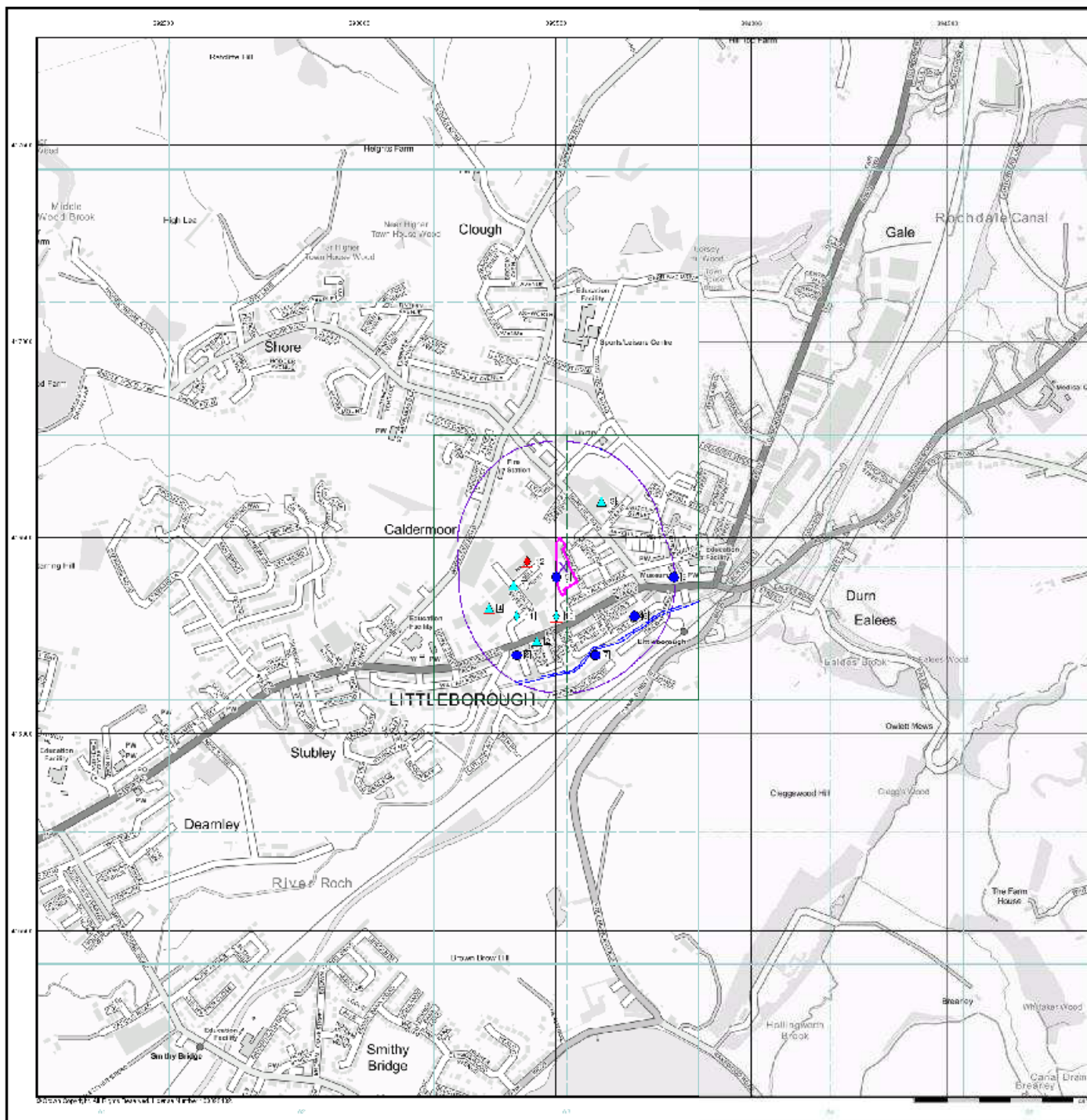
Order Number: 233587928_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 250

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW

Appendix C

- C1 Environmental Data Search**
- C2 Coal Authority Mining Report**



General

- Specified Site
- Specified Buffer(s)
- Booking Reference Point
- Map ID
- General of Type of Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Medium
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Mediums
- Registered Radioactive Substance
- River Inflow or Water Feature
- River Quality Sampling Point
- Subsidence Pollution Incident Register
- Water Abstraction
- Water Industry Act Release

Waste

- EU5 Recorded Landfill Site (Location)
- EU5 Recorded Landfill Site
- EA Historic Landfill (Current Reg)
- EA Historic Landfill (Legacy)
- Integrated Pollution Control Registered Waste Site
- Landfill Waste Management Facility (Landfill Facility)
- Landfill Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (from 2000 to 2001)
- Registered Landfill Site (from 2001 to 2002)
- Registered Waste Transfer Site (Location)
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

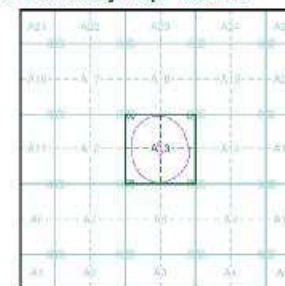
Geological

- EU5 Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Only
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Information

Site Sensitivity Map - Slice A



Order Details

Order Number: 233567926_1_1
Customer Ref: 6039 UNF
National Grid Reference: 393520, 416420
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 250

Site Details

Unit 4, Regent Works, Brown Street, LITTLEBOROUGH, OL15 8BW

Envirocheck[®] Report: Datasheet

Order Details:

Order Number:

233587928_1_1

Customer Reference:

6039 UNF

National Grid Reference:

393520, 416420

Slice:

A

Site Area (Ha):

0.4

Search Buffer (m):

250

Site Details:

Unit 4, Regent Works

Brown Street

LITTLEBOROUGH

OL15 8BW

Client Details:

Mr M Richardson

GeoAssist Ltd

Unit 4

Sheffield Street

Heaton Norris

Stockport

Cheshire

SK4 1RU

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	10
Industrial Land Use	11
Sensitive Land Use	15
Data Currency	16
Data Suppliers	20
Useful Contacts	21

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.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents			
Prosecutions Relating to Controlled Waters			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	pg 1		5
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature	pg 2		Yes
Pollution Incidents to Controlled Waters	pg 2		6
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality	pg 3		1
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions	pg 3		3 (*6)
Water Industry Act Referrals	pg 6		4
Groundwater Vulnerability Map	pg 6	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 7		Yes
Flooding from Rivers or Sea without Defences	pg 7		Yes
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences	pg 8		Yes
OS Water Network Lines	pg 8		3

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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	pg 9	1	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 10	Yes	n/a
BGS Recorded Mineral Sites			
CBSCB Compensation District			n/a
Coal Mining Affected Areas	pg 10	Yes	n/a
Mining Instability	pg 10	Yes	n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 10	Yes	
Potential for Compressible Ground Stability Hazards	pg 10		Yes
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 10	Yes	Yes
Potential for Running Sand Ground Stability Hazards	pg 10	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Industrial Land Use			
Contemporary Trade Directory Entries	pg 11	2	34
Fuel Station Entries	pg 14		1
Gas Pipelines			
Underground Electrical Cables			
Sensitive Land Use			
Ancient Woodland			
Areas of Adopted Green Belt	pg 15		1
Areas of Unadopted Green Belt			
Areas of Outstanding Natural Beauty			
Environmentally Sensitive Areas			
Forest Parks			
Local Nature Reserves			
Marine Nature Reserves			
National Nature Reserves			
National Parks			
Nitrate Sensitive Areas			
Nitrate Vulnerable Zones			
Ramsar Sites			
Sites of Special Scientific Interest			
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	A13NW (NW)	0	1	393500 416450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	0	1	393550 416425
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	0	1	393519 416425
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	52	1	393519 416550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	69	1	393600 416450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	102	1	393500 416600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	102	1	393400 416500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	103	1	393600 416550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	149	1	393400 416600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	151	1	393350 416425
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	152	1	393350 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	158	1	393350 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	174	1	393650 416600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	200	1	393700 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	201	1	393300 416500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	207	1	393650 416650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	232	1	393300 416600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	250	1	393250 416500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	250	1	393250 416450
1	Local Authority Pollution Prevention and Controls Name: Carlisle It Location: Python Mill, Littleborough, Lancashire, OL15 8yj Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 120/14 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Permitted Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	113	2	393392 416375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Local Authority Pollution Prevention and Controls Name: Littleborough Service Station/Murco Petroleum Ltd Location: 113 Church Street, Littleborough, MIDDLETON, Lancashire, OL15 8JA Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 77/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13SW (S)	137	2	393451 416233
3	Local Authority Pollution Prevention and Controls Name: Proofings Coated Fabrics Ltd Location: 84 Hare Hill Road, LITTLEBOROUGH, Lancashire, OL15 9HE Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 41/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A13NE (NE)	141	2	393616 416590
4	Local Authority Pollution Prevention and Controls Name: Raydex/Cdt Ltd Location: Python Mill, Littleborough, Lancashire, OL15 8YJ Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 120/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	185	2	393329 416318
4	Local Authority Pollution Prevention and Controls Name: Belden Cdt Location: Stockton Street, Littleborough, OL15 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P120/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorised Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	186	2	393329 416317
	Nearest Surface Water Feature	A13SE (S)	157	-	393601 416221
5	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 16th May 1996 Incident Reference: 96621065 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	2	3	393500 416400
6	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Box Street, LITTLEBOROUGH Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Urban Runoff Note: Roch, Fire Water Incident Date: 27th May 1997 Incident Reference: 97620745 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	170	3	393700 416300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Peel Street, LITTLEBOROUGH Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Oil To River Incident Date: 18th June 1998 Incident Reference: SO981156 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	176	3	393600 416200
8	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Oily Substance Discharging To, Roch Stubbley Mill La, Ltlbrh Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: River Roch; Not Known Incident Date: 18th July 1997 Incident Reference: 97621370 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	193	3	393400 416200
9	Pollution Incidents to Controlled Waters Property Type: Scrapyard Location: Oil Into River Roch At, Railway Arches, LITTLEBOROUGH Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Roch; Diesel/Gas Fuel Oil Incident Date: 6th October 1997 Incident Reference: 97621748 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	246	3	393800 416395
9	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: River Roch Incident Date: 3rd July 1995 Incident Reference: 95621626 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	246	3	393800 416400
	River Quality Name: Roch GQA Grade: River Quality B Reach: Summit To Akzo Chemie Estimated Distance (km): 3.3 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13SE (SE)	198	3	393641 416196
10	Water Abstractions Operator: Vita Thermoplastic Compounds Ltd Licence Number: 2569002250 Permit Version: 101 Location: Borehole At Stockton Street Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises, Stockton St, L'Boro Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (S)	57	3	393500 416300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Water Abstractions Operator: Jackdaw Polymers Licence Number: 2569002250 Permit Version: 100 Location: Borehole At Stockton Street Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 331 Yearly Rate (m3): 72730 Details: Land & Premises, Stockton St, L'Boro Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (S)	57	3	393500 416300
11	Water Abstractions Operator: Nwwa Eastern Division Licence Number: 2569002111 Permit Version: Not Supplied Location: Borehole, Python Mill, Church Street, LITTLEBOROUGH Authority: Environment Agency, North West Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 2726 Yearly Rate (m3): 1000120 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	A13SW (SW)	128	3	393400 416300
	Water Abstractions Operator: Akzo Nobel Chemicals Ltd Licence Number: 2569002008 Permit Version: 100 Location: Rochdale Canal At Premises Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th November 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	279	3	393630 416100
	Water Abstractions Operator: Akzo Nobel Chemicals Ltd Licence Number: 2569002008 Permit Version: 100 Location: Rochdale Canal At Premises Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th November 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	279	3	393630 416100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Akzo Nobel Chemicals Ltd Licence Number: 2569002008 Permit Version: 100 Location: Rochdale Canal At Premises Littleborough 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th November 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	279	3	393630 416100
	Water Abstractions Operator: Akzo Nobel Chemicals Ltd Licence Number: 2569002008 Permit Version: 100 Location: Rochdale Canal At Premises Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 4546 Yearly Rate (m3): 1654780 Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th November 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	499	3	393450 415860
	Water Abstractions Operator: Akzo Nobel Chemicals Ltd Licence Number: 2569002008 Permit Version: 100 Location: Rochdale Canal At Premises Littleborough 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): 0 Yearly Rate (m3): 0 Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th November 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	499	3	393450 415860
	Water Abstractions Operator: Akzo Nobel Chemicals Ltd Licence Number: 2569002008 Permit Version: 100 Location: Rochdale Canal At Premises Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th November 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	499	3	393450 415860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Water Industry Act Referrals Name: Jackdaw Polymers Ltd Location: JACKDAW POLYMERS LTD, STOCKTON STREET, STOCKTON STREET, LITTLEBOROUGH, LANCASHIRE, OL15 8YJ Authority: Environment Agency, North West Region Permit Reference: BB6696 Dated: 15th July 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address	A13NW (W)	70	3	393431 416440
12	Water Industry Act Referrals Name: Jackdaw Polymers Ltd Location: JACKDAW POLYMERS LTD, STOCKTON STREET, STOCKTON STREET, LITTLEBOROUGH, LANCASHIRE, OL15 8YJ Authority: Environment Agency, North West Region Permit Reference: Bw0347 Dated: 8th September 2003 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address	A13NW (W)	75	3	393426 416445
12	Water Industry Act Referrals Name: Jackdaw Polymers Ltd Location: JACKDAW POLYMERS LTD, STOCKTON STREET, STOCKTON STREET, LITTLEBOROUGH, LANCASHIRE, OL15 8YJ Authority: Environment Agency, North West Region Permit Reference: Bv5424 Dated: 1st August 2003 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address	A13NW (W)	75	3	393426 416445
12	Water Industry Act Referrals Name: Jackdaw Polymers Ltd Location: JACKDAW POLYMERS LTD, STOCKTON STREET, STOCKTON STREET, LITTLEBOROUGH, LANCASHIRE, OL15 8YJ Authority: Environment Agency, North West Region Permit Reference: BB6718 Dated: 15th July 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address	A13NW (W)	75	3	393426 416440
	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: 3-10m Superficial Recharge: Low	A13SW (SW)	0	4	393519 416425

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: <90% Patchiness: Superficial 3-10m Thickness: Superficial Low Recharge:	A13SW (W)	0	4	393504 416425
	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: <90% Patchiness: Superficial 3-10m Thickness: Superficial Low Recharge:	A13NW (N)	0	4	393504 416476
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SW)	0	4	393519 416425
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (W)	0	4	393504 416425
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SW)	0	4	393519 416425
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A13NW (N)	0	4	393504 416476
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	85	3	393561 416277
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	233	3	393709 416632
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	247	3	393801 416374
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	102	3	393479 416258
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	179	3	393677 416257
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	239	3	393801 416378

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None Flood Water Storage Areas None Flood Defences Type: Flood Defences Reference: Not Supplied Flood Defences Type: Flood Defences Reference: Not Supplied	A13SE (S)	156	3	393801 416222
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (S)	195	3	393520 416159
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (S)	214	3	393464 416147
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 423.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (S)	180	5	393800 416217
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	203	5	393725 416279
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (SE)	203	5	393725 416279

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	2	393519 418425

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13SW (SW)	0	1	393519 416425
	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 (SW)	0	6	393519 416425
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (SW)	0	-	393519 416425
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	393519 416425
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	393504 416425
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	393519 416425
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	134	1	393621 416261
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	393519 416425
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	393519 416425
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	224	1	393272 416461
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	393519 416425
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	134	1	393621 416261
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	231	1	393270 416501
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	393504 416476
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	393504 416425
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	393519 416425
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	231	1	393270 416501
	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 (SW)	0	1	393519 416425
	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 (SW)	0	1	393519 416425

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Contemporary Trade Directory Entries Name: Pennine Hardware Ltd Location: Unit 3, Regent Works, Brown Street, Littleborough, OL15 8BW Classification: Reclamation Centres Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SE)	0	-	393525 416421
16	Contemporary Trade Directory Entries Name: C K C Autobodyes Location: Unit 4, Regent Works, Regent Street, Littleborough, Lancashire, OL15 8BH Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SE)	0	-	393525 416421
17	Contemporary Trade Directory Entries Name: Graham'S Location: Unit 3 Brown St, Littleborough, Lancashire, OL15 8BW Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	17	-	393571 416384
18	Contemporary Trade Directory Entries Name: Breda Garage Location: Albert Street, Littleborough, OL15 8BS Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	24	-	393491 416350
19	Contemporary Trade Directory Entries Name: Jackdaw Polymers Ltd Location: Stockton Street, Littleborough, Lancashire, OL15 8YJ Classification: Plastics - Raw Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	75	-	393426 416445
20	Contemporary Trade Directory Entries Name: Apl Cleaning Limited Location: 33a, Hare Hill Road, Littleborough, OL15 9AD Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NF (NE)	99	-	393621 416464
21	Contemporary Trade Directory Entries Name: Queens Rd Garage Location: 1, Queens Road, Littleborough, Lancashire, OL15 8AX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	107	-	393624 416306
22	Contemporary Trade Directory Entries Name: Littleborough Service Station Location: 71, Church Street, Littleborough, Lancashire, OL15 8AB Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	113	-	393652 416331
22	Contemporary Trade Directory Entries Name: A P L Cleaning Ltd Location: 69a, Church Street, Littleborough, OL15 8AB Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	116	-	393658 416335
22	Contemporary Trade Directory Entries Name: A P L Cleaning Ltd Location: 69a, Church Street, Littleborough, Lancashire, OL15 8AB Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	117	-	393658 416335
22	Contemporary Trade Directory Entries Name: Carole'S Clean Shop Location: 59, Church Street, Littleborough, Lancashire, OL15 8AB Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	129	-	393675 416343
22	Contemporary Trade Directory Entries Name: Apex Hardware Location: 2, Queens Road, Littleborough, OL15 8AX Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	138	-	393679 416329

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Contemporary Trade Directory Entries Name: H K C Location: James Hill Street, Littleborough, Lancashire, OL15 8AE Classification: Electronic Component Manufacturers & Distributors Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	148	-	393690 416328
22	Contemporary Trade Directory Entries Name: D D L Textile Engineers Location: James Hill Street, Littleborough, Lancashire, OL15 8AE Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	148	-	393690 416328
22	Contemporary Trade Directory Entries Name: Fit Equip Location: Golden Works, James Hill St, Littleborough, Lancashire, OL15 8AE Classification: Sports Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	148	-	393690 416328
23	Contemporary Trade Directory Entries Name: Bamford Dry Cleaners Location: 13, Hare Hill Road, Littleborough, Lancashire, OL15 9AD Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	124	-	393671 416428
23	Contemporary Trade Directory Entries Name: A Lockett & Sons Location: 30, Hare Hill Road, Littleborough, Lancashire, OL15 9BA Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	139	-	393670 416464
23	Contemporary Trade Directory Entries Name: D K Motors Location: Rear of 22, Hare Hill Road, Littleborough, OL15 9BA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NF (E)	161	-	393689 416457
23	Contemporary Trade Directory Entries Name: Ranch House Steaks Location: 44, Victoria Street, Littleborough, Lancashire, OL15 9DB Classification: Meat Product Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	177	-	393723 416439
23	Contemporary Trade Directory Entries Name: Animal & Angling Supplies Location: Rear of 42, Victoria Street, Littleborough, Lancashire, OL15 9DB Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	192	-	393733 416457
24	Contemporary Trade Directory Entries Name: Texaco Location: Church Street, Littleborough, OL15 8AB Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A13SW (S)	135	-	393451 416236
25	Contemporary Trade Directory Entries Name: Adam Polymer Ltd Location: 64, Hare Hill Road, Littleborough, Lancashire, OL15 9HE Classification: Rubber & Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	141	-	393616 416590
26	Contemporary Trade Directory Entries Name: Avalon Textiles (Cmt) Location: Litho House, Barehill Street, Littleborough, Lancashire, OL15 9DL Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	151	-	393673 416504
27	Contemporary Trade Directory Entries Name: Aaa Pest Control Services Location: Seed Hill Chambers, 38, Church Street, Littleborough, OL15 9AA Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	176	-	393730 416390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Contemporary Trade Directory Entries Name: Rexco Launderette Location: 37, Victoria Street, Littleborough, Lancashire, OL15 8BA Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	186	-	393738 416415
28	Contemporary Trade Directory Entries Name: Stephen Graham Sales Ltd Location: Unit 3a-3b Stockton Street, Littleborough, Lancashire, OL15 8YJ Classification: Hardware Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	185	-	393329 416318
28	Contemporary Trade Directory Entries Name: Carlisle Location: Stockton Street, Littleborough, OL15 8YJ Classification: Cable & Wire Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	185	-	393329 416318
29	Contemporary Trade Directory Entries Name: D Lorimer Location: 16, Charles Street, Littleborough, Lancashire, OL15 8HH Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	199	-	393444 416168
29	Contemporary Trade Directory Entries Name: Littleborough Sheet Metal Ltd Location: 14, Charles Street, Littleborough, Lancashire, OL15 8HH Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	200	-	393444 416168
30	Contemporary Trade Directory Entries Name: McCormick Location: 138, Whitelees Road, Littleborough, OL15 8BZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	202	-	393289 416450
30	Contemporary Trade Directory Entries Name: McCormick Location: 138, Whitelees Road, Littleborough, Lancashire, OL15 8BZ Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	202	-	393299 416450
31	Contemporary Trade Directory Entries Name: Belden Location: Stockton Street, Littleborough, Lancashire, OL15 8YJ Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	202	-	393344 416247
32	Contemporary Trade Directory Entries Name: M S B Cladding Ltd Location: 64, Riverstone Bridge, Littleborough, Lancashire, OL15 8JH Classification: Cladding Suppliers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	235	-	393620 416144
33	Contemporary Trade Directory Entries Name: A1 Mobile Industrial Domestic Surface Cleaners Location: 3, Binns Terrace, Littleborough, Lancashire, OL15 9BH Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	243	-	393763 416518
33	Contemporary Trade Directory Entries Name: Mobile Industrial Domestic Surface Cleaners Location: 3, Binns Terrace, Littleborough, OL15 9BH Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	243	-	393763 416518
33	Contemporary Trade Directory Entries Name: Mobile Industrial Domestic Surface Cleaners Location: 3, Binns Terrace, Littleborough, Lancashire, OL15 9BH Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	243	-	393763 416518

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Fuel Station Entries Name: Mfg Littleborough Location: Church Street , , Littleborough, Greater Manchester, OL15 8JA Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A13SW (S)	136	-	393449 416236

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A13NW (W)	244	8	393258 416512

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Discharge Consents Environment Agency - North West Region	October 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North West Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North West Region	October 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Local Authority Pollution Prevention and Controls Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Nearest Surface Water Feature Ordnance Survey	November 2019	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North West Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	October 2019	Quarterly
Water Abstractions Environment Agency - North West Region	October 2019	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly

Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2019	Quarterly
Flood Defences Environment Agency - Head Office	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2019	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	November 2019	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	October 2019	Quarterly
Local Authority Landfill Coverage Rochdale Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites Rochdale Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Rochdale Metropolitan Borough Council	February 2016	Variable
Planning Hazardous Substance Consents Rochdale Metropolitan Borough Council	February 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Rochdale Metropolitan Borough Council	February 2020	As notified
Areas of Unadopted Green Belt Rochdale Metropolitan Borough Council	February 2020	As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Rochdale Metropolitan Borough Council - Environmental Health Department P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Rochdale Metropolitan Borough Council PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



The Coal
Authority

CON29M

coal mining report

UNIT 4, REGENT WORKS, BROWN STREET, LITTLEBOROUGH, LANCASHIRE
OL15 8BW



Known or potential coal mining risks

Future underground coal mining

Page 3



Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit
www.groundstability.com



Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. It is unlikely that these features will impact on the stability of the enquiry boundary.

Your reference: **233587928_2**
Our reference: **51002253696001**
Date: **7 February 2020**

Client name:
NLIS Hub

If you require any further assistance please
contact our experts on:
0345 762 6848
groundstability@coal.gov.uk



The Law
Society

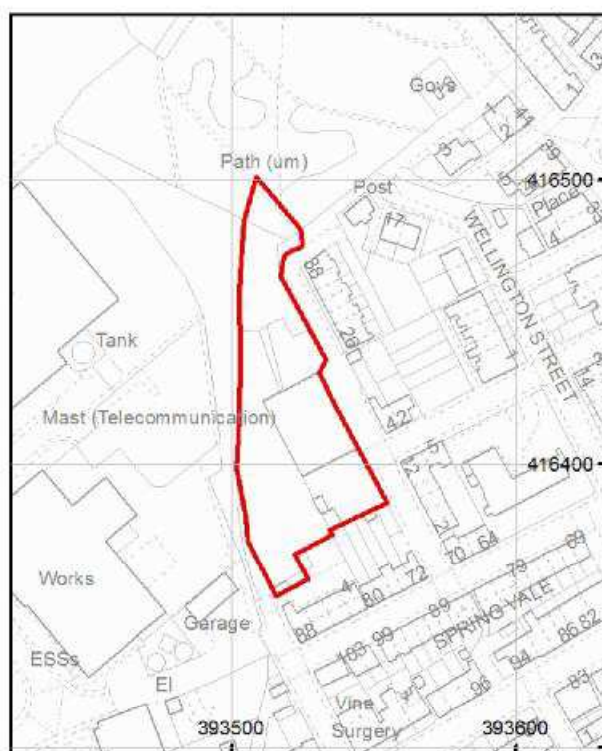
Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email communications@coal.gov.uk.

Your reference: **233587928_2**
Our reference: **51002253696001**
Date: **7 February 2020**

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Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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1 Past underground coal mining

The property is not within a surface area that could be affected by any past recorded underground coal mining.

2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9 Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

12 Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14 Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Statutory cover



Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **01623 646 333**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

coal mining subsidence - ground movement caused by the removal of coal by underground mining

Coal Mining Subsidence Act 1991 - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

coal mining subsidence damage - damage to land, buildings or structures caused by the removal of coal by underground mining

coal seams - bed of coal of varying thickness

future opencast coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

future underground coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

mine entries - collective name for shafts and adits

payments to owners of former copyhold land - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

shaft - vertical entry into a mine

site investigation - investigations of coal mining risks carried out with the Coal Authority's permission

stop notice - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

subsidence claim - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

withdrawal of support - a historic notice informing landowners that the coal beneath their property was going to be worked

working facilities orders - a court order which gave permission, restricted or prevented coal mine workings