



BROWN FISHER
ENVIRONMENTAL
REPORTS 4 PLANNING

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**Phase I Land Contamination
Preliminary Geoenvironmental Risk Assessment**

LAND CORNER OF MELLOR STREET AND COLLEGE STREET
ROCHDALE
OL12 6AA

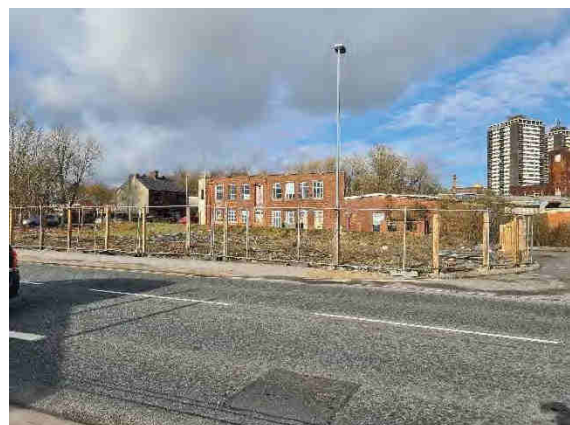
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Report Ref: 225000CLRCW

Report Date: 1st March 2022



Executive Summary

Reports 4 Planning have been instructed by Athar Mahmood, to undertake a Phase I Land Contamination Assessment of a parcel of land located at the corner of Mellor Street and College Street in Rochdale.

The assessment is required in connection with the proposed change of use of the site where a new drive-through retail unit is proposed. Due to the previous developments located at the site it has been requested that an assessment of potential contaminative risk and potential geotechnical constraints is completed.

The available evidence shows that the site was developed between 1851 and 1890 where a mill was built on the eastern section of the site which extended further to the east. The purpose of the mill is not known, however it is possible that this was a woollen or cotton mill. Later, a row of terraced dwellings were built in the western section of the site before these were demolished in the late 1970's. The mill, or works site, was still present in 2003.

At the time of the site reconnaissance visit no obvious evidence of contamination was noted, however some of the site was overgrown with weeds and there was evidence of recent clearance of the site. Evidence of made ground is made and this is likely given the previous use of the site, this may extend to two metres depth given the borehole log located of a nearby site. A manmade bank is present along the northern boundary of unknown materials.

The conceptual model of the site demonstrates that potential pollutant linkages are present and these may represent a medium to mild risk to human health and to the natural environment. This is derived from the historical use of the site for industrial purposes, very likely made ground including organics, inorganics, and asbestos. Off-site sources of contamination include adjacent mills and works sites. The site also has some environmental sensitivity given there is a controlled water source (River Spodden) adjacent to the north.

Given that the proposed use of the site is retail, and some significant groundworks are proposed in what are unknown ground conditions, then further assessment is recommended. This will take the form of an intrusive investigation and further generic or detailed risk assessment. If the pollutant linkages are confirmed as unacceptable then some form of remediation will be required. Should this be required, we believe that the level of remediation should be viable, being relatively simple and low key. It is recommended that a site investigation is completed to not only determine the contaminative status of the site, but also to prove ground conditions to enable structural foundations and driveway/parking areas to be safely designed.

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1.0 INTRODUCTION

Reports 4 Planning have been instructed by Athar Mahmood, to undertake a Phase I Land Contamination Assessment of a parcel of land located at the corner of Mellor Street and College Street in Rochdale.

The assessment is required in connection with the proposed change of use of the site where a new drive-through retail unit is proposed. Due to the previous developments located at the site it has been requested that an assessment of potential contaminative risk and potential geotechnical constraints is completed.

The purpose of this Phase I Desk study and Preliminary Risk Assessment report is to gather information on the site to develop an initial conceptual site model (CSM) and establish whether or not there are any potentially unacceptable risks posed by either current or historical use of the land or the surrounding area which may affect the proposed development. The consultant who has prepared this report is an environmental risk specialist, with over twenty years' experience in environmental liability appraisal, contaminated land assessment, brownfield development and risk assessment. The Preliminary Risk Assessment report was undertaken based on Desk Study findings utilising publicly available data, along with data sourced directly and indirectly from various providers including the Environment Agency, the Local Authority, the British Geological Survey, The Coal Authority and Ordnance Survey. This has allowed characterisation of the site with respect to its geology, hydrology, hydrogeology, history and environmental setting. The site characterisation has been undertaken in general accordance with the procedures of the new LCRM methods as released in October 2020.

Predominantly these procedures relate to 'past' contamination and assume that legislative controls such as Pollution Prevention and Control authorisations control current potentially polluting activities. Emphasis is therefore upon historical site use and how this may affect potential future users of the site should the proposed development plans be realised. A Preliminary Environmental Risk Assessment contained in this report has considered all the relevant receptors, potential pathways, and sources of contamination and assessed these for the level of risk posed to the site and future site users.

In accordance with current guidance the information has been used to develop a Conceptual Site Model (CSM) for the site. Pollutant linkages must be present, and the consequent linkage must be established in order to determine the requirement and scope of any future geo-environmental investigation.

Reasonable skill and care have been exercised in preparation of this report in accordance with the technical requirements of the brief. Notwithstanding the efforts made by the professional team in undertaking this contamination assessment, it is possible that ground conditions other than that potentially indicated by this report may exist at the site.

2.0 SOURCES OF INFORMATION

This report draws upon many different information sources in order to gain a full understanding of the environmental setting of the site. These are summarized below:

2.1 Internet Sources

- British Geological Survey Borehole Database
- Environment Agency Pollution Inventory Database
- Multi-Agency Geographic Information for the Countryside Database
- 1:50,000 British Geological Survey Digital Map of Great Britain
- <https://magic.defra.gov.uk/MagicMap>

2.2 Reports

- Groundsure Dataset Report, GS-8485288;
- Groundsure Historical Maps, GS-8485287.

2.3 Site Observations

- Site observations have been made during a site reconnaissance completed on 9th February 2022 and photographic evidence is provided in Appendix A.

3.0 SITE RECONNAISSANCE

3.1 Site Location

The subject site is located on the corner of Mellor Street and College Street in Rochdale, OL12 6AA. The plot is located in a densely populated area immediately beside the River Spodden. The site is located within Rochdale to the north west of its centre. Manchester Road is located 400m to the east.

The site is located at Grid Reference 388928, 413243.

Figure 1 and 2 Site Location Plan Small and Large Scale, Figure 3 and 4 – Site Aerial Photograph and Figure 5 - Proposed Site Plan shows the location of the site in relation to its surrounding land uses.

3.2 Site Access

Although the site is secured against unwanted visitors via a herras fence access can be arranged from the west, southern or eastern boundaries.

3.3 Site Description

The subject site measures approximately 0.14 hectares and is approximately 46m long west to east and 32m north to south. The site is bounded by the River Spodden on the northern boundary as it flows west to east past the site some height below the site. To mitigate against potential flooding, an earth bank has been placed along this boundary consisting of earth with some made ground materials including brick, stone and concrete. The mound is partially vegetated.

The site itself does not have any site structures and has been cleared ahead of development. The site is vegetated in parts with low lying weeds and some minimal shrubbery and there are indications that the site has been cleared of more substantial vegetation in the recent past. The site is level across all boundary lines. There is a small area of tarmac located near the eastern section of the site. Some evidence of made ground consisting mostly of earth with some brick, stone, concrete, and lesser wood, metal and glass is seen in various areas. No materials of a potentially hazardous nature are observed.

An aerial photograph showing the site is provided as Figure 3 and 4, with photographs taken during the site reconnaissance visit provided in Appendix A.

3.3.1 Site Topography

The general topography of the site and surrounding is flat. Along the northern boundary there is a manmade bank of earth (with some brick and stone) of approximate 1 meter high. The ground then falls away to a narrow plateau before it falls to the adjacent river.

3.3.2 Structures

There are no structures on site.

3.3.3 Surfacing

The surfacing was inspected and was observed to comprise of earth gravels with much evidence of brick and stone fragments with some metal, plastic and glass in some areas. A small area of tarmac is also seen in the eastern section. No evidence of contaminative staining was seen on the ground.

3.3.4 Vegetation

The external areas of the site are partly overgrown with self-seeded plants and weeds. An inspection of the site did not reveal any invasive species of concern.

3.3.5 Underground and Aboveground Fuel Storage Tanks

No evidence of current or historical underground storage of fuels was observed.

3.3.6 Raw Material and Chemical Use and Storage

No evidence of significant volumes of potentially harmful chemical storage was observed at the site at the time of inspection.

3.3.7 Solid Wastes

No evidence of potentially harmful solid wastes was observed at the site at the time of the site inspection.

3.3.8 Hazardous and Industrial Waste

No potentially hazardous industrial wastes were observed at the time of the site inspection.

3.3.9 Air Emissions

No evidence of significant air emission sources was observed at the time of the site inspection.

3.3.10 Wastewater and stormwater

It is understood that the property is not currently served by formal wastewater and stormwater drainage systems but installation of these forms part of the proposed site redevelopment.

3.3.11 Asbestos Containing Materials (ACM)

No certified asbestos survey was undertaken as part of this assessment.

3.3.12 Polychlorinated Biphenyls (PCBs)

PCBs were historically used as a dielectric filler liquid in some types of transformers, switchgear, capacitors and the starter units in some fluorescent lights and fractional horsepower motors. PCBs are known to harm the environment and can damage health. No such potential sources were observed at the site.

3.3.13 Ionising Radiation

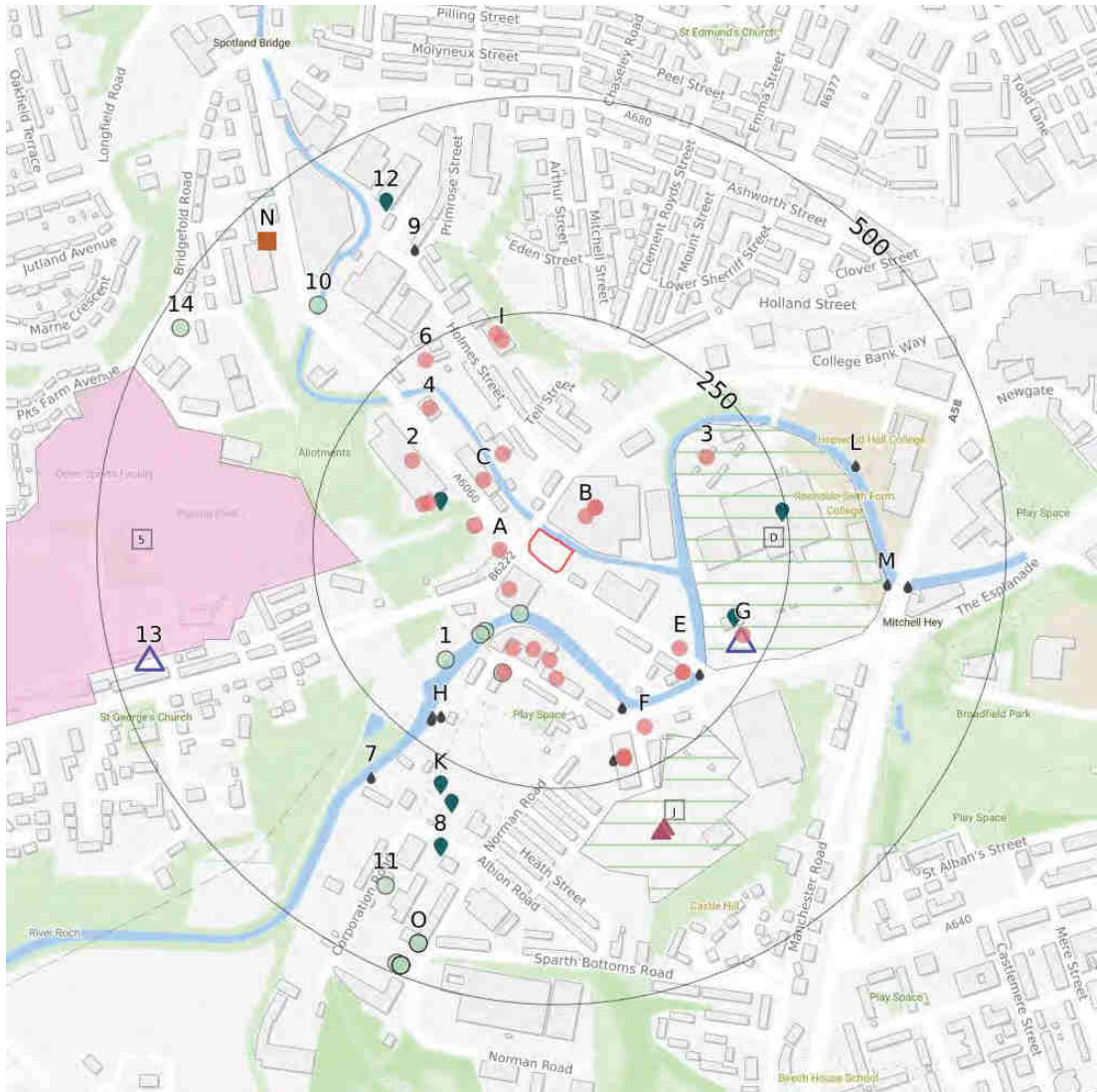
No evidence of ionising radiation sources was made at the site.

3.3.14 Spills and Releases

No obvious evidence of previous spillages or releases of potentially contaminative materials was observed.

3.4 Surrounding Land Use

The site is set within a developed area where an old mill building is located across the river to the north. Some dwellings are located to the east with an Aldi supermarket further east.



4.4 Underground HV Electricity Cables & High-Pressure Gas Transmission Pipelines

There are no records of any such features within 500m of the site.

4.5 Sites Determined as Contaminated Land

There are reportedly no records of sites identified as potentially contaminated under Part IIA of the Environmental Protection Act 1990 within the site's vicinity. A revoked status of a potential site located 197m west of a former landfill is recorded.

4.6 Control of Major Accident Hazards

There are no records of any current Control of Major Accident Hazards (COMAH) sites at or within 100m of the site. A British Gas site is located 129m east and National Grid site is located 226m south east.

4.7 Regulated Explosive Sites

There are no records of any sites registered and licensed by the HSE under the Manufacture and Storage of Explosives Regulations 2005 within 500m of the site.

4.8 Hazardous Substance Storage/Usage Sites

There are no records of any sites with consents issued under the Planning (Hazardous Substances) Regulations 2015 at or within 250m of the subject site.

4.9 Historical Licensed Industrial Activities

There are no records of operators holding historical Integrated Pollution Control (IPC) permits within 500m of the site. Alexandra Drew located 257m north west holds a licence for coating and printing of textiles.

4.10 Licensed Industrial Activities

There are no records of Part A (1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 within 250m of the site.

4.11 Licensed Pollutant Release

Within 250m of the site a current permit is in place for unloading of petrol into storage at a service station.

4.12 Radioactive Substance Authorisations

There are no recorded permits relating to the storage, use, accumulation or disposal of radioactive substances within 500m of the site.

5.0 HISTORICAL LAND USES

5.1 Site Observational Evidence

The site supports a derelict parcel of land which contains no current site structures. From site observation alone, it is likely that the site has been developed in the past due to the location of the site in a densely populated area and in a good location at the crossroads of a busy junction to support some development.

5.2 Historical Maps Assessment

A number of historical maps have been reviewed for evidence which may indicate potentially contaminative land uses for either the site or surrounding land within at least 500m of the site. Copies of the historical maps are provided in Appendix C and are discussed below:

Table 1: Historical Land Use

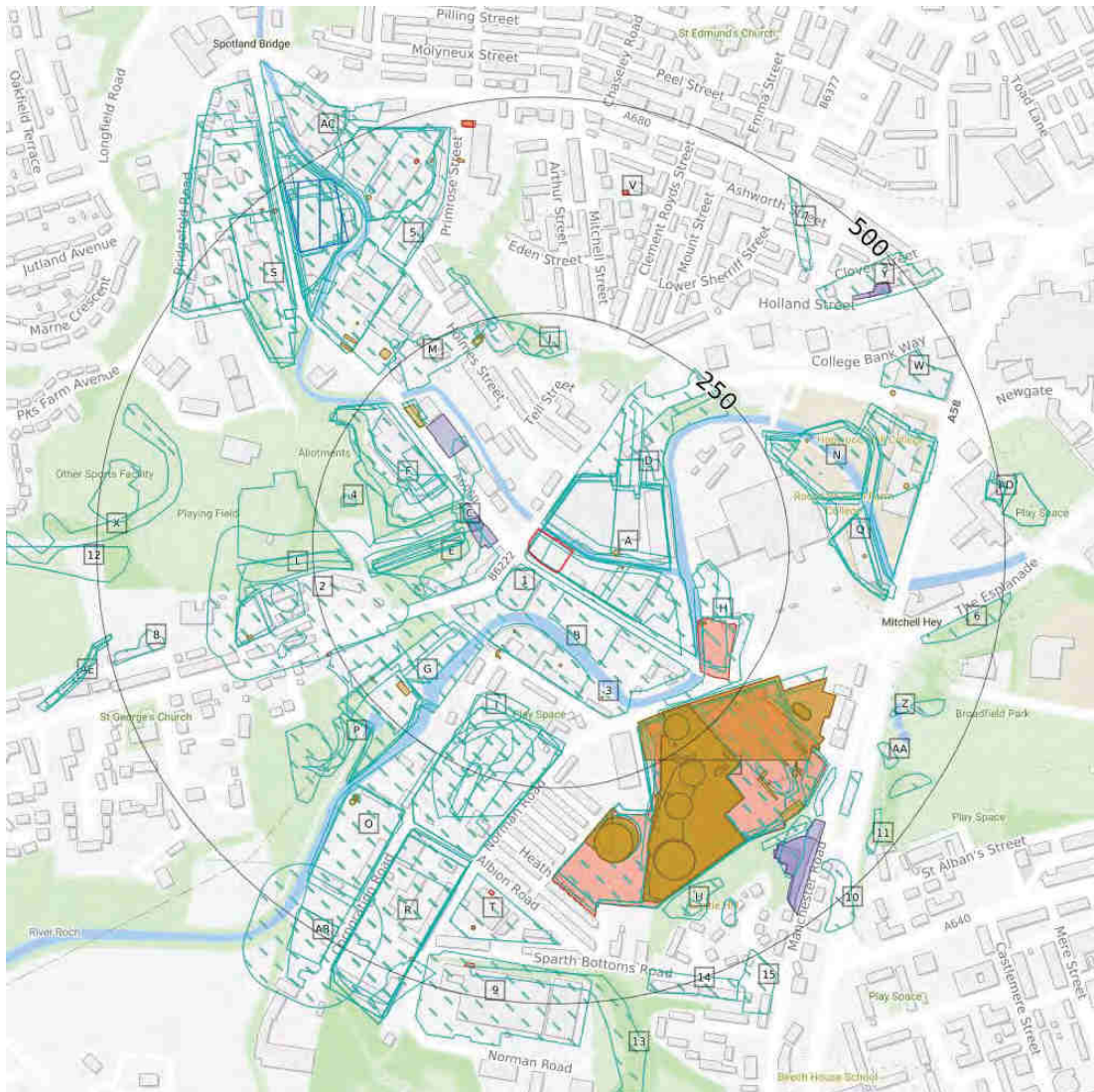
Map Year (Scale)	Site Use	Surrounding Land Use
1851 (1:1,1056)	The site is undeveloped and consists of the north-western corner of a field.	The following notable changes are observed: North: River located along the northern boundary of the site. Spodden Cotton Mill located 40m north.
1890 / 92 (1:1:2,500)	The site is shown as developed with the eastern section of the site being taken over by an industrial building extending to the east. Possible (Woollen) mill or works	The following notable changes are observed: North: Mitchel Hey Mills located a short distance north. Groundworks located 230m north. West: Brick Works located 100m west. Dyeworks located 160m west. Quarry located 70m south west. Red Brook Mill located 30m south. East: Iron Works located 65m south east. South: Gas Works located 230m south east.
1910 (1:2,500)	Site shown as having a row of terraced housing located along the western site boundary. Rest of site building shown as a Warehouse.	The following notable changes are observed: East: Possible reconfiguration of the mill to the east with addition of some terraced housing to the front.
1930 (1:10,560)	No significant changes shown to site	The following notable changes are observed: West: Large quarry located 120m north west.
1959 (1:2,500)	No significant changes shown. Building in eastern section of site shown as a Mill.	The following notable changes are observed: General: Many examples of mills and works sites within 100m of the site to north, east and south.
1967 (1:2,500)	Mapping not available.	The following notable changes are observed: East: Engineering Works 80m east.

Map Year (Scale)	Site Use	Surrounding Land Use
1975 (1:1,250)	Site area not shown	No significant changes
1978 (1:1,250)	No significant changes. Site shown as housing in the western section with mill building in the east.	No significant changes – warehouses shown south of site.
1984 (1:1,250)	Site area not shown	No significant changes
1990/92/95 (1:1,250)	Housing in western section of the site now demolished. Works site remains.	No significant changes Builders Yard shown 50m north west. Several examples of Works, mills and depots within 100m.
2003 (1:1,250)	No significant changes shown. Works building shown in eastern section of the site which extends further beyond the boundary to the east.	No significant changes

5.3 Other Historical Information

No other information available.

5.4 Potentially Contaminative Historical Uses



There are many records of potentially contaminative industrial operations at, and within 250m, of the site.

Records of previous site usage include unspecified mills, commercial/industrial units, and an iron works between 1928 to 1949.

Other examples of off-site potentially contaminative sources include a cotton mill (2m east), mills and works north east within 13m of the site, brick field (44m east), quarry (55m west), woollen mill (67m west), and other works and quarry sites within 100m.

5.4.1 Historical Tank Database

There are no references to any historical tanks within the boundary of the site. The nearest record relates to a site 46m east, with other records 59m east, 82m south west, and 110m south west. There are 84 records within 500m of the site.

5.4.2 Historical Energy Features Database

There are no records of any historical energy features within 100m of the site. The nearest station is located 165m south east.

5.4.3 Historical Petrol and Fuel Sites

There are no records of any sites with historical petrol and fuel features within 500m.

5.4.4 Historical Garage and Motor Vehicle Sites

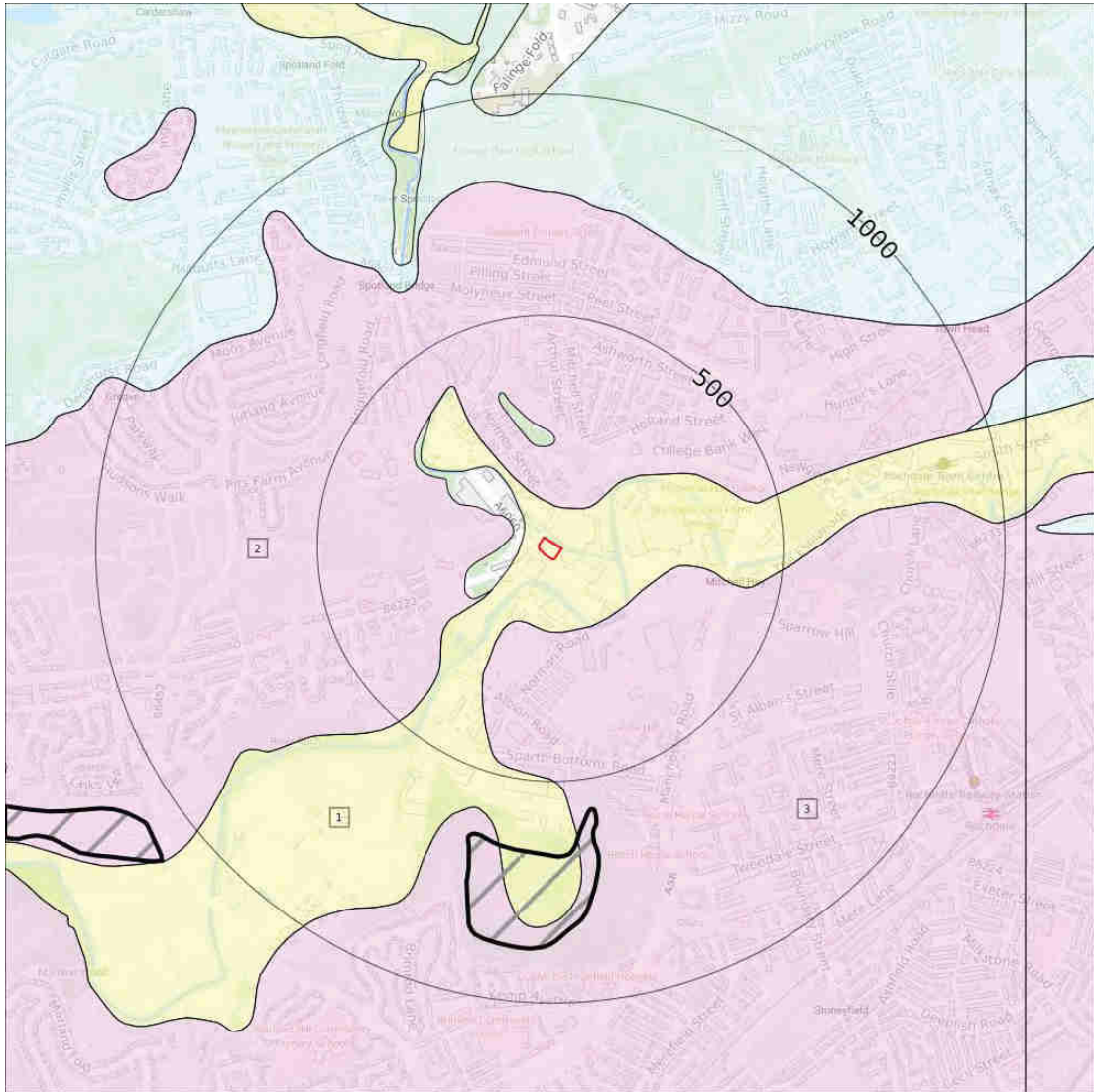
There is a record of a garage located 36m and 56m west of the site. There is a third record relating to a site located 127m NW.

6.0 GEOLOGY

6.1 Artificial and Made Ground

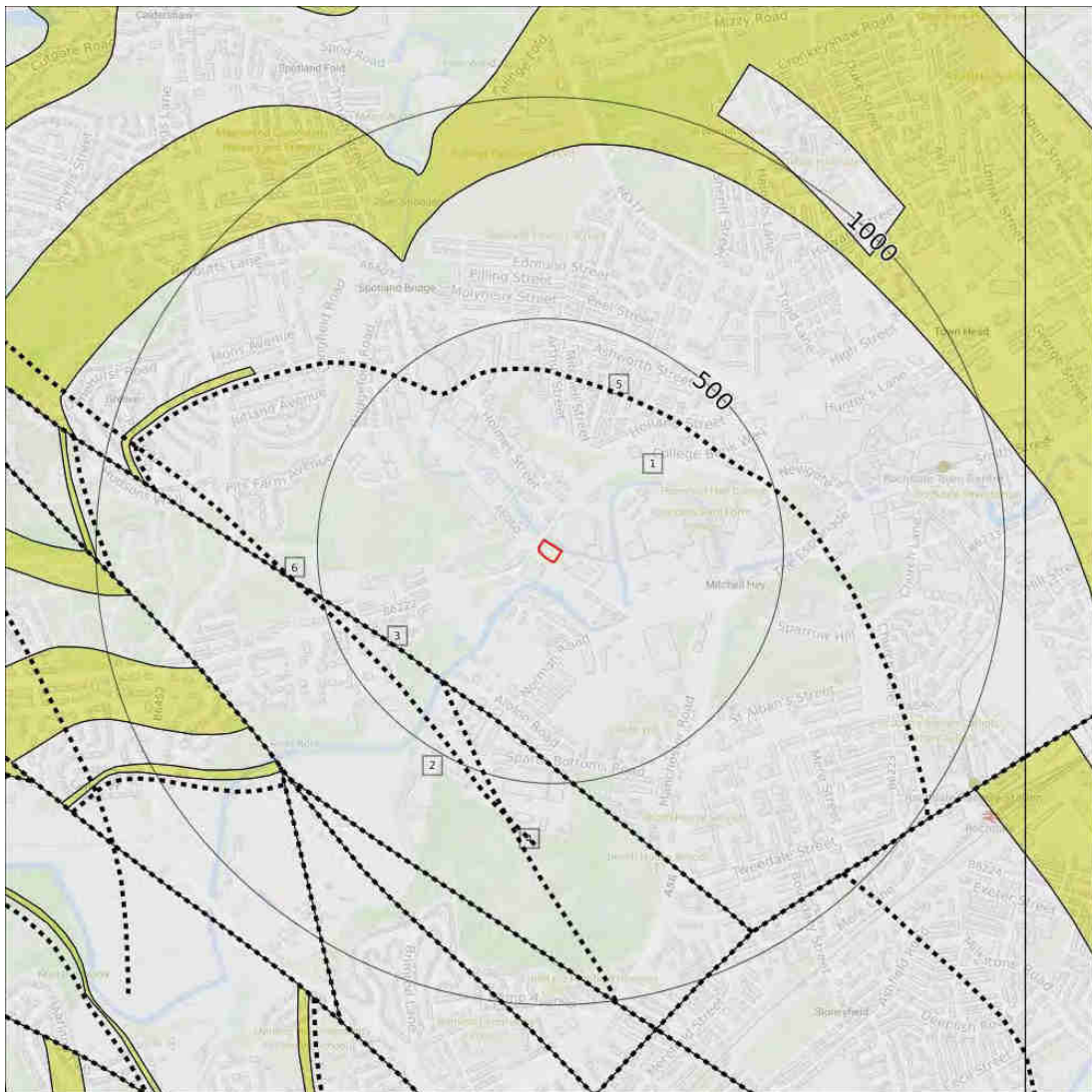
There are no records of artificial and/or Made Ground beneath the subject site.

6.2 Superficial and Drift Geology



The British Geological Survey 1:50,000 Geological Map of Great Britain shows that there are potential deposits of superficial geology at the site consisting of alluvium of clay, silt, sand and gravel. These deposits have a very low to high permeability.

6.3 Solid Geology



The British Geological Survey 1:50,000 Geological Map of Great Britain shows that the solid geology beneath the site comprises of Pennine Lower Coal Measures Formation consisting of mudstone, siltstone, and sandstone. The vulnerability of these deposits is Low to Moderate.

6.4 Coal Mining

The site is located within a coal mining area as defined by the Coal Authority.

6.5 Non-coal Mining

There are no records of any natural cavities at or in the vicinity of the site.

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Coptrod Wood located 62m west of the site is a ceased surface mineral working for sandstone. Other records of quarries for clay, shale and sand are located nearby.

A record of a Surface Ground Working is referenced at a Brick Field located 44m east of the site in 1851. More recent in 1992 heaps are noted 69m west.

There are no records of underground workings within 1,000m of the site.

There are no records of any other non-coal mining features within 1,000m of the site.

There are no records of any mining cavities within 1,000m of the site.

6.6 Brine Affected Areas

There are no brine affected areas within the vicinity of the site.

6.7 Shrink Swell

The shrink swell hazard associated with the soils beneath the site has been rated by the BGS as very low.

6.8 Landslip/Slide

The on-site potential for landsliding (slope instability) is considered to be very low to negligible.

6.9 Soluble Rocks

There is a negligible risk from soluble rocks at the site. Soluble rocks are not thought to be present within the ground. Dissolution features are unlikely to be present.

6.10 Compressible Ground

The compressible ground hazard for the site has been rated by the BGS as moderate. Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

6.11 Collapsible Rocks

The maximum collapsible rocks hazard for the site has been rated by the BGS as negligible.

6.12 Running Sands

There is a low risk associated with running sand issues beneath the site. There are no identified constraints on the site's use due to running sand conditions, regardless of the height of the water table.

6.13 Radon

The Indicative Atlas of Radon in England and Wales as prepared by both the Health Protection Agency and the British Geological Survey shows that the site is located in a radon area where less than 1% of properties are above the Radon Action Level. No radon protection measures are required.

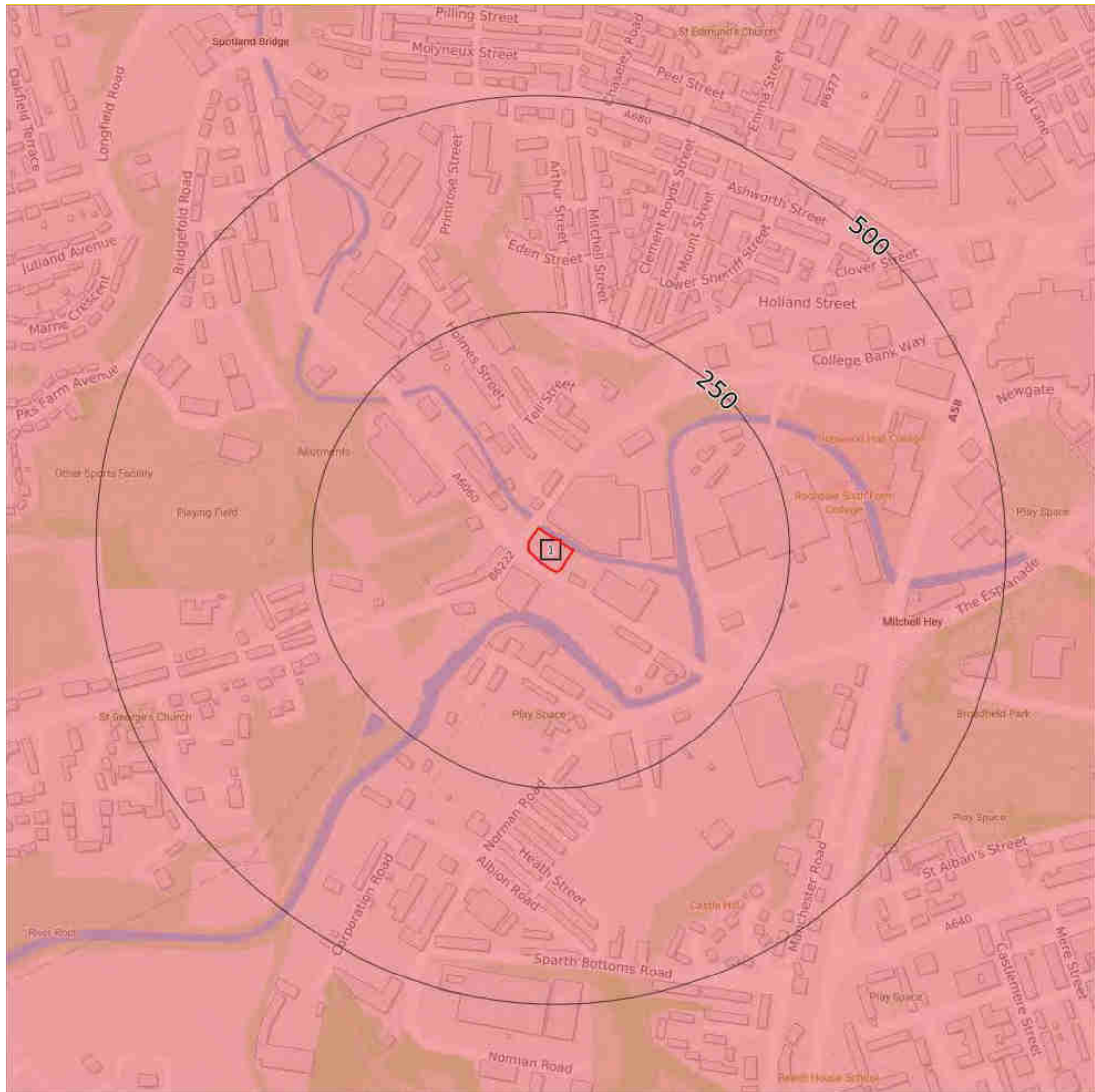
6.14 BGS Estimated Urban Soil Chemistry

It is recorded by the BGS that on site there is the potential for the following natural contaminants to be present: arsenic 15-25mg/kg, lead 200-300mg/kg, cadmium 20-3.0mg/kg, chromium 60-90mg/kg, nickel 15-30mg/kg.

6.15 Borehole Records

A publicly available borehole record is available for a location approximately 55m east of the site which is copied with permission below. This indicates that up to two meters of Made Ground may be present with natural siltstone beneath.

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7.2 Groundwater Abstraction Licences

There are no current licensed groundwater abstractions within 2,000m of the site.

7.3 Licensed Discharges to Controlled Waters

There are 19no. records of licensed discharges to controlled waters within 500m of the site. The nearest relates to a sewage release at Roch Syphon some 174m south east of the site.

7.4 Pollutant Release to Surface Waters (Red List)

There are no records of any licenses issued to sites at or within 500m of the site for a pollutant release to a surface water (Red List).

7.5 Pollutant Release to a Public Sewer

There are no records of any pollutant releases to a public sewer within 250m of the site.

7.6 List 1 and List 2 Dangerous Substances

There are no records of any discharges of substances as identified on Lists 1 and 2 of European Directive E 2006/11/EC and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015 within 500m of the site.

7.7 Pollution Incidents

There have 17 no. records of substantiated pollution incidents within 500m of the subject site. The nearest occurred 62m south west of the site where a category 3 minor impact was recorded.

7.8 Pollution Inventory Substances

There are no records of any pollution inventory (substances) including reporting on annual emission of certain regulated substances to air, controlled waters and land at or within 500m of the site.

7.9 Pollution Inventory Waste Transfers

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. There are no records of such transfers within 500m of the site.

7.10 Pollution Inventory Radioactive Waste

There are no records of any pollution inventory (radioactive wastes) including reporting on annual releases of radioactive substances from a site within 500m of the site.

7.11 Source Protection Zones

The site is not located in a Groundwater Source Protection Zone.

Located immediately north and bounding the site is an inland river known as the River Spodden which flows past the site west to east. In all there are 5 surface water features within 250m of the site.

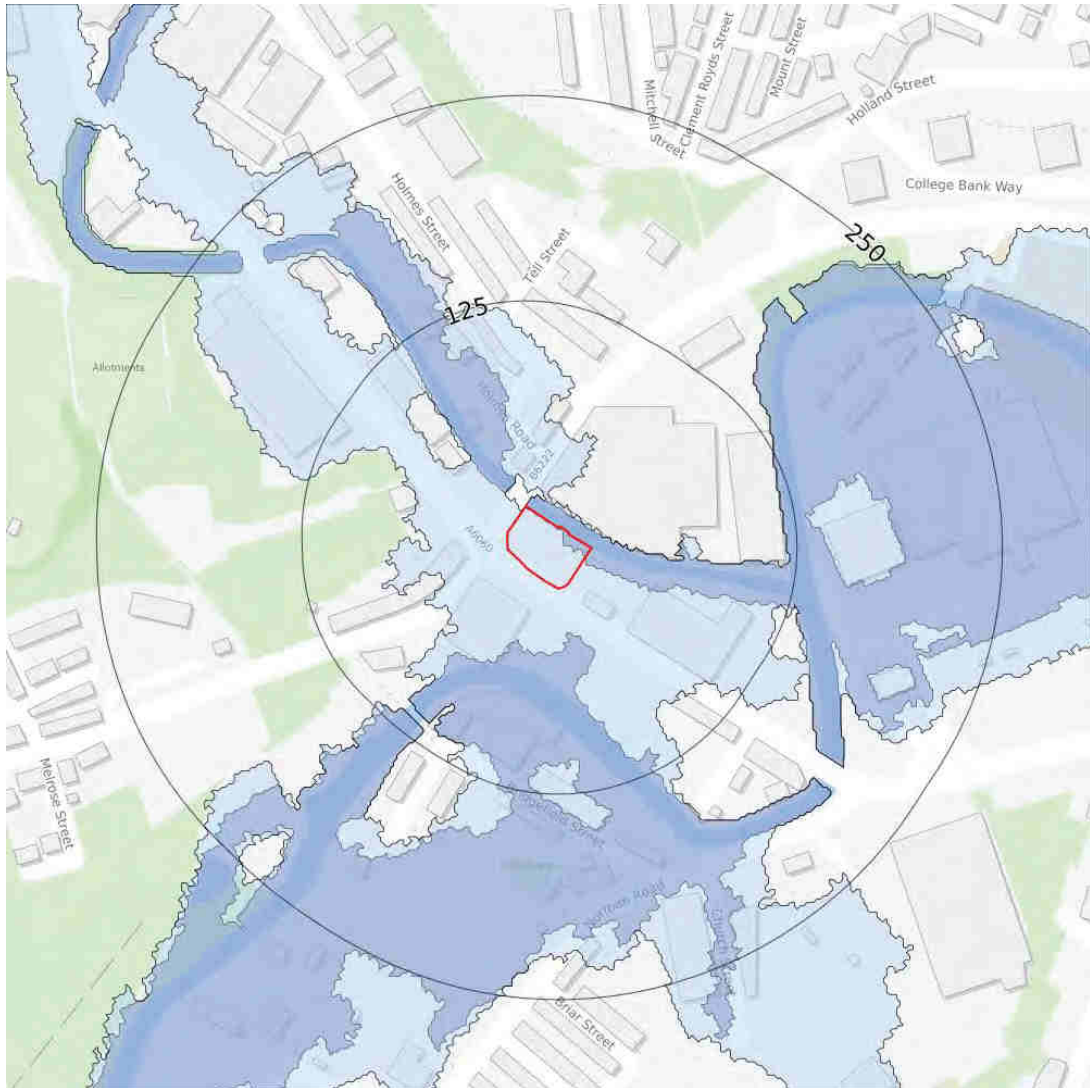
There are no records of any active licensed surface water abstractions within 500m of the site. The nearest record relates to a site 965m east of the site where waters are abstracted from the River Roch.

There are reportedly no licensed potable water abstractions recorded within 2,000m of the site.

8.4.1 Risk of Flooding from Rivers and Seas (RoFRaS)

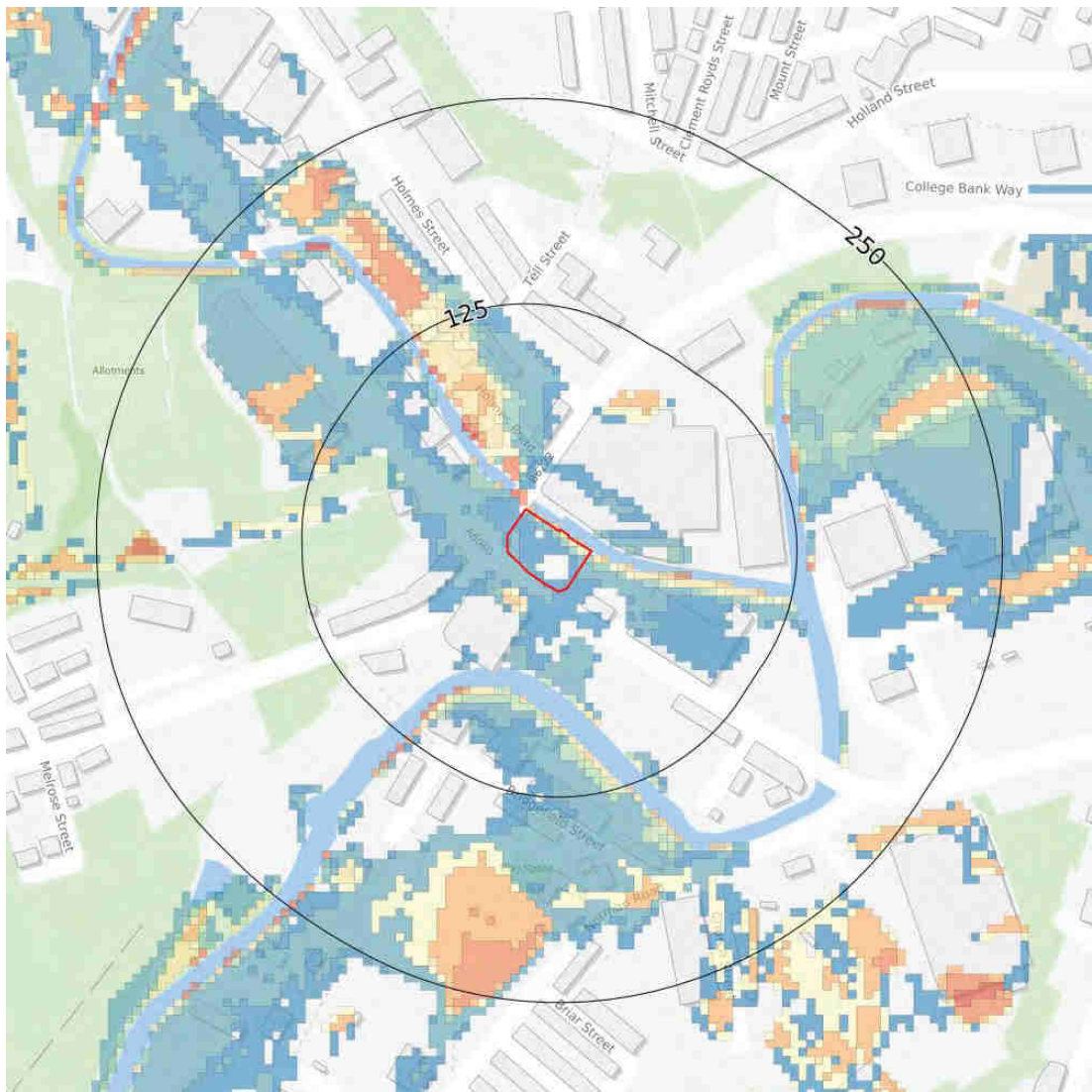
It is understood that the site may have flooded on the 26th December 2015.

The Environment Agency Flood map (from rivers and the sea) shows that the site in general is located in Flood Zone 2 with the far northern boundary adjacent to the river located in a Flood Zone 3.



8.4.4 Surface Water Flooding

The on-site risk associated with surface water flooding, is reported to be that of 1 in 100 year of a flood greater than 1.0m. The risk of a 1 in 30 year event is negligible.



8.4.5 Groundwater Flooding

There is reported to be a low risk of groundwater flooding across the site.

8.4.5 Flood Defences

The site is not located in an area that benefits from recorded flood defences, that are owned, managed or inspected by the Environment Agency. However it is observed that an earth bank has been placed along the northern boundary of the site, presumably in an attempt to restrict flood waters from the site. Formal flood defences are located 86m south.

With the exception of a site located 69m south, there are no areas which are shown to benefit from flood storage within 250m of the site.

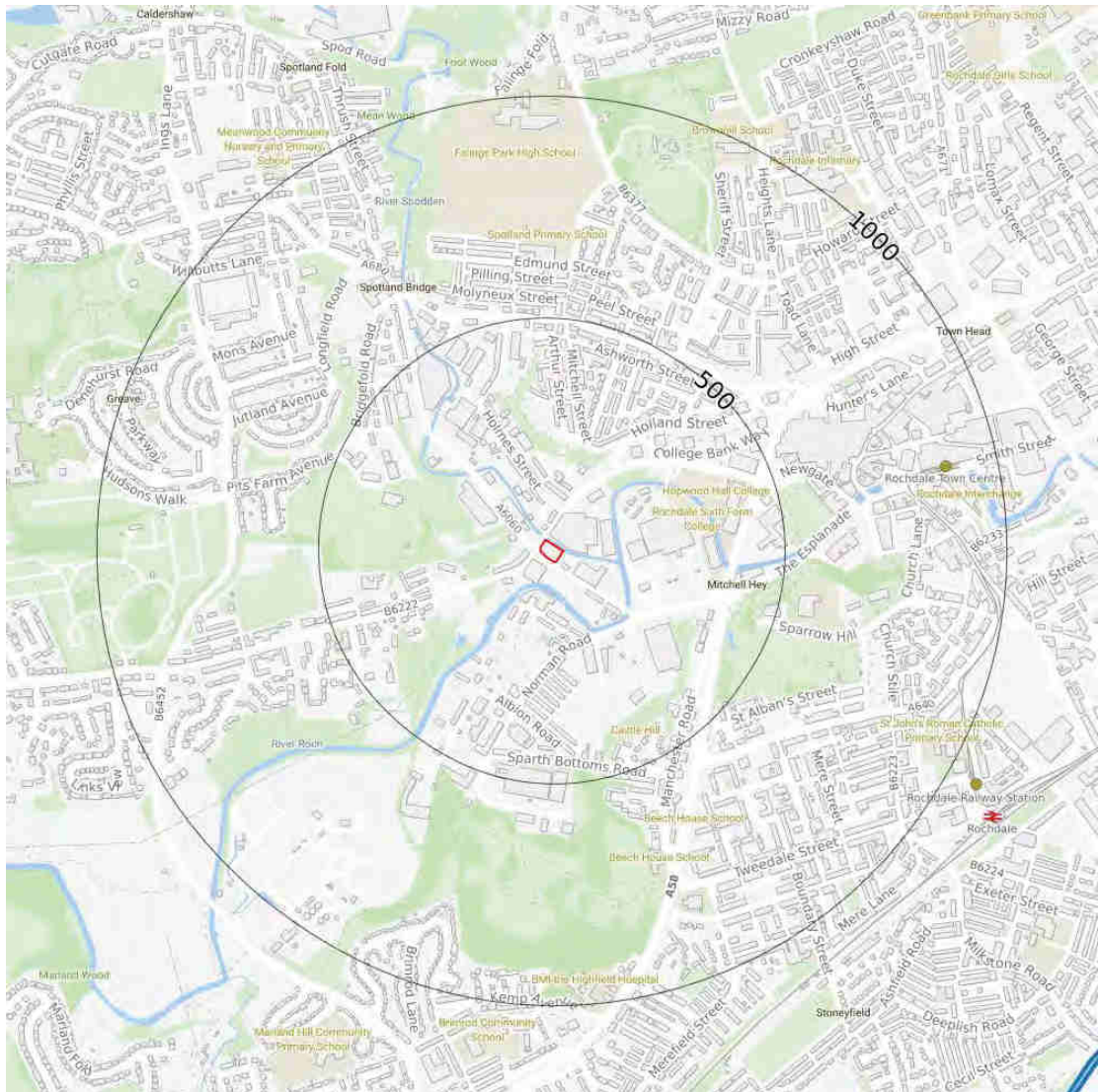
There are no records of any active or recent landfill sites subject to Environment Agency regulation within 500m of the site.

The Environment Agency holds a record of a historical landfill located 160m north of the site referenced as a Central Tip. A further site is located 192m west of the site.

There are no records of current or historical waste sites (Local Authority records and Environment Agency registered licensed waste sites) within 200m of the site. The nearest historical record relates to a property located 204m south west and operated as a scrap yard. A waste rubber works is located 311m west.

There are no records of any waste exemptions applying to any sites within 100m of the site.

10.0 DESIGNATED ENVIRONMENTALLY SENSITIVE SITES



10.1 Designated Sites

There are no records of any specially designated sites within 1,000m of the site.

10.2 Other Designated Sites

None.

10.3 Locally Designated Sites

None.

10.4 Cultural Designations

A conservation area (Spotland Bridge) is located 206m to the north west.

There are no other properties/areas with sensitive environmental, visual and/or cultural designations within the vicinity of the subject site.

11.0 OTHER REPORTING

The author is not aware of any other geoenvironmental assessment having previously been prepared for this site.

12.0 CONCEPTUAL SITE MODEL

The model assessment has been made on the understanding that the site is used for **Retail Purposes**. Those potential pathways which may give rise to unacceptable contaminative risk under this scheme have been brought forward and form part of the Model as discussed below.

Table 2 Conceptual Site Model

On-Site Contaminants	- The historical use of the site for industrial use including unidentified mills and works - Potential and likely made ground - Potential for organic and inorganic contaminants - Potential for asbestos within the site soils.
Off-Site Contaminants	Range of organic and inorganic contaminants possible from former mills and works to the east particularly, although other similar site known within 100m of the site.
Controlled Waters	- The underlying aquifer is classified as Secondary Aquifer. - Surface watercourses of River Spodden located across northern boundary.
Human Health	- Future users and workers of the site. - Construction workers primarily those involved in groundworks excavation (proposed basement, services). - Neighbouring residents subject to disturbed vapours and dusts arising from on-site development.
Other	Existing and new underground service infrastructure.
On-Site Contaminants	Range of organic and inorganic contaminants possible – including asbestos
Off-Site Contaminants	Range of organic and inorganic contaminants possible
Cultural	None.

13.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

13.1 Introduction

The current contaminated land regime is explained in Part IIA of the Environmental Protection Act 1990 and was introduced on the 1st of April 2000 in England. Also, this assessment has been completed taking into account the advice and guidance contained in the NPPF and particularly paragraphs 109 (fourth and fifth bullet points) and the new LCRM regulations which is the latest guidelines issued by Government Environment Agency Published on 08/10/2020. In general, the purpose of these aspects of the legislation is to achieve the identification of contaminated land and the remediation of contaminated land to ensure such land poses no significant risk to human health and/or the environment.

Contaminated Land is defined as:

‘Any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason or substances in, on, or under the land, that: significant harm is being caused or there is a significant possibility of such harm being caused; or pollution of controlled water is being or is likely to be caused.’

For land to be classified as contaminated land a significant pollutant linkage must be identified.

Contaminant Source (Hazard)	A substance which is in, on or under the land and which has the potential to cause harm or cause pollution of controlled waters
Receptor (Target)	A living organism or group of organisms, an ecological system or property, controlled waters which are or could be polluted by a contaminant
Pathway (Route)	One or more routes or means which either allows the contaminant to cause significant harm to that receptor, or that there is a significant possibility of such harm being caused to the receptor, or that pollution of controlled waters is being or likely to be caused.

A Preliminary Environmental Risk Assessment involves assessing the likely probability and consequence of a Pollutant Linkage and determining a consequent level of risk.

The term ‘risk’ is widely used in different contexts and situation, but a prescriptive definition is provided by the Guidelines for Environmental Risk Assessment and Management (DEFRA et al, 2000):

Risk is a combination of the probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequence of the occurrence’.

A hazard is defined as *‘a property or situation that in particular circumstance could lead to harm’.*

The risk category for a particular scenario can be assessed in terms of the consequences and probability of an occurrence which can be defined as follows (Ref: CIRIA C552):

Classification of a Consequence

Classification	Definition
Severe	1 – short term (acute) risk to human health likely to result in significant harm 2 – short term risk to controlled waters 3 – catastrophic damage to buildings / structures 4 – short term risk to an ecosystem or organism within the particular ecosystem.
Medium	1 – chronic damage to human health (long term risk) 2 – pollution of a sensitive water resource 3 – a significant change in an ecosystem or organism within the ecosystem
Mild	1 – pollution of non-sensitive water resources 2 – significant damage to buildings / structures
Minor	1 – harm (not necessarily significant) which may result in financial loss. 2 – no permanent health effects to humans (easily prevented by PPE for example) 3 – easily repairable effects of structural (building damage).

Classification of a Probability

Classification	Definition
High Likelihood	1 – there is a complete pollution linkage, and an event appears very likely to occur in the short term and is inevitable in the long term 2 – evidence of harm to the receptor
Likely	1 – there is a complete pollution linkage which means that it is probable that an event will occur 2 – the event is not inevitable but possible in the short term and likely in the long term
Low Likelihood	1 – there is a complete pollution linkage and circumstance are possible under which an event could occur 2 – it is not certain that an event will occur in the long term, and it is less likely to occur in the short term
Unlikely	1 – there is a complete pollution linkage, but circumstance is such that is improbable that an event would occur even in the long term.

The consequences of a risk and the probability of an event taking place can be assessed and the likely risk category can be determined as follows:

		<i>Severe</i>	<i>Medium</i>	<i>Mild</i>	
	High	Very High	High	Medium	Medium / Low
	Likely	High	Medium	Medium / Low	Low
	Low	Medium	Medium / Low	Low	Very Low
	Unlikely	Medium / Low	Low	Very Low	Very Low

High Risk – there is a high probability that severe harm could risk a receptor, or there is evidence that a receptor is being harmed. The risk is realised is likely to result in liability and/or significant harm, and urgent investigation or remediation will be required.

Medium Risk - it is probable that harm will arise to a receptor. However, it is relatively unlikely that such harm would be severe, or if harm does occur then the harm is likely to be relatively mild. Investigation will be required to determine the liability, and some remedial works may be required in the long term.

Low Risk – it is possible that harm may arise to a receptor, but it is likely that the harm would be mild.

Very Low Risk – There is a very low risk of harm to the receptor. In the event of harm being realised the harm is not likely to be severe.

13.2 Potential Sources

The current and historical use of the site has been carefully assessed. Potential risks have been determined and assessed as part of this study.

The risk of contaminant source material located on site is medium. The primary risk is associated with the former use of the site for an unidentified mill or works site. A range of organic and/or inorganic contaminants may be possible.

Possible off-site contaminant sources are recorded in the vicinity of the site from unidentified former uses of mills, works, builders sites

13.3 Potential Pathways

Exposure pathways link any contamination to the receptor. All or any of the following potential pathways may apply:

Future Site Workers, including Construction Workers

<i>Oral Pathway (W-O)</i>	Indoor /outdoor ingestion of dust
	Indoor/outdoor ingestion of soil
	Indoor/outdoor ingestion of Flora/Fauna
	Ingestion of tainted mains water
<i>Inhalation Pathway (W-I)</i>	Indoor/outdoor inhalation of fugitive dust
	Indoor/outdoor inhalation of soil vapour
<i>Dermal Pathway (W-D)</i>	Indoor/Outdoor exposure to soil through dermal contact

Future Site Users, Occasional Visitors and Neighbouring Residents including Children

<i>Oral Pathway (O-O)</i>	Indoor ingestion of dust (post construction)
	Outdoor ingestion of soil (post construction)
	Indoor/outdoor ingestion of Flora/Fauna
<i>Inhalation Pathway (O-I)</i>	Outdoor inhalation of fugitive dust
	Indoor inhalation of fugitive dust (post construction)
	Outdoor inhalation of soil vapour
	Indoor inhalation of soil vapour (post construction)
<i>Dermal Pathway (O-D)</i>	Outdoor exposure to soil through dermal contact
	Indoor exposure to soil dust through dermal contact

Flora (potential new on-site or off-site flora affected by potential contamination on the site or migrating onto or from the site).

<i>Plant Uptake (FI-PU)</i>	General uptake of contaminants by plants growing in the vicinity of, or on, the site
-----------------------------	--

Fauna (on-site or off-site affected by potential contamination on the site, or migrating from the site)

Oral Pathway (Fa-OP) Consumption of contaminated Flora located on site

Water Resources

Surface Water Mobilisation (SWM) Surface water run-off from site, migrating off site
Also infiltration into the site from adjacent sites.

Groundwater Mobilisation (Leaching Potential)

(GWM) Percolation and mobilisation of contaminants within the soil into waters held locally within pore space beneath the site.

13.4 Potential Receptors

The following potential receptors have been identified and considered in the risk assessment:

Human Receptors (H): Site workers (W)

Water Resources (SW, GW): Nearby surface water feature and ponds

Site Infrastructure (SI): Existing and future foundations and drainage services. Utilities.

Buildings and Services (BS): Site and neighbouring buildings

Flora and Fauna (FL, FA) Future, on and off-site fauna and flora

Archaeological (A): Designations in vicinity of the site

Cultural (C): Designations in vicinity of the site

Under the proposals, the site is to be developed for residential purposes. The Critical Human Receptor for this site will be a **female worker who may work at the site**.

13.5 Qualitative Risk Assessment

A qualitative risk assessment has been undertaken to provide an initial assessment of the potential risks caused by contaminant sources identified during this assessment to construction workers, future users of the site, building structures and the aquatic environment. **The assessment has been made on the understanding that the site is to be developed for retail purposes.**

Table 4: Risk Assessment

Hazard Identification			Hazard Assessment		Risk Estimation			Risk Evaluation
Sources	Location	Potential Contaminants	Pathway	Receptor	Magnitude of Consequence	Probability Occurrence	Risk Appraisal	Rationale
Historical use of the site Unidentified Mill, Works site	On site	Made Ground including presence of organic and/or inorganic wastes, made ground, asbestos, heavy metals, PAHs,	W-O, W-I, W-D, O-O, O-I, O-D, FLPU, FaOP SWM, GWM	H, GW, FL, FA	Minor	Likely	Medium	- Real possibility of Made Ground at the site with risks of organic and inorganic contaminants from unknown previous site activity; . - Requirement for Made Ground including asbestos to be quantified. - Low risk of ground gas vapour probable. - Low to Medium risk to controlled waters to north and underlying aquifer - Further assessment required.
Historical use of surrounding land Unidentified Mill, Works site, builders yard, garage	Within 250m of site.	For those sites within 0-100m particularly, possibility of migration of contaminants from legacy of industrial use. Possible organic and inorganic contaminants introduced.	W-O, W-I, W-D, O-O, O-I, O-D, FLPU, FaOP SWM, GWM	H, GW, FL, FA	Minor to mild	Likely	Low to Medium	- Industrial current and historical sites located within 50m of the site with real possibility of migration of materials from these sites; - Further assessment required.

14.0 CONCLUSIONS AND RECOMMENDATIONS

14.1 Conclusions

A Phase I Land Contamination Assessment has been completed for the site to accompany the planning requirements for a new drive-through retail development.

Due to the previous developments located at the site it has been requested that an assessment of potential contaminative risk and potential geotechnical constraints is completed.

The available evidence shows that the site was developed between 1851 and 1890 where a mill was built on the eastern section of the site which extended further to the east. The purpose of the mill is not known, however it is possible that this was a woollen or cotton mill. Later, a row of terraced dwellings were built in the western section of the site before these were demolished in the late 1970's. The mill, or works site, was still present in 2003.

At the time of the site reconnaissance visit no obvious evidence of contamination was noted, however some of the site was overgrown with weeds and there was evidence of recent clearance of the site. Evidence of made ground is made and this is likely given the previous use of the site, this may extend to two metres depth given the borehole log located of a nearby site. A manmade bank is present along the northern boundary of unknown materials.

The conceptual model of the site demonstrates that potential pollutant linkages are present and these may represent a medium to mild risk to human health and to the natural environment. This is derived from the historical use of the site for industrial purposes, very likely made ground including organics, inorganics, and asbestos. Off-site sources of contamination include adjacent mills and works sites. The site also has some environmental sensitivity given there is a controlled water source (River Spodden) adjacent to the north.

Given that the proposed use of the site is retail, and some significant groundworks are proposed in what are unknown ground conditions, then further assessment is recommended. This will take the form of an intrusive investigation and further generic or detailed risk assessment. If the pollutant linkages are confirmed as unacceptable then some form of remediation will be required. Should this be required, we believe that the level of remediation should be viable, being relatively simple and low key. It is recommended that a site investigation is completed to not only determine the contaminative status of the site, but also to prove ground conditions to enable structural foundations and driveway/parking areas to be safely designed.

FIGURES



FIGURE 1

SITE LOCATION PLAN
SMALL SCALE

LAND CORNER OF MELLOR STREET AND COLLEGE STREET
ROCHDALE
OL12 6AA

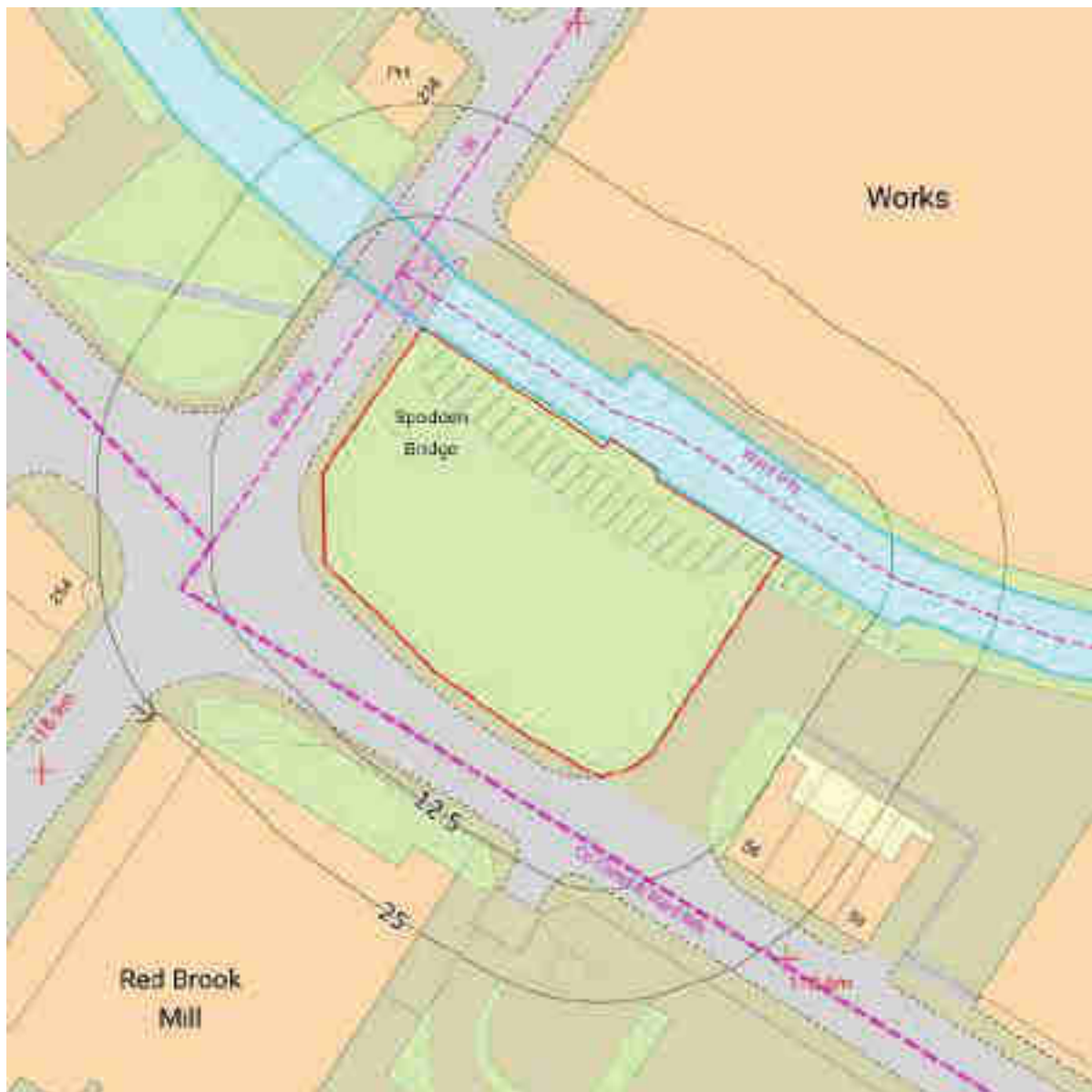


FIGURE 2

SITE LOCATION PLAN
LARGE SCALE

LAND CORNER OF MELLOR STREET AND COLLEGE STREET
ROCHDALE
OL12 6AA



FIGURE 3

SITE AERIAL PHOTOGRAPH – YEAR 2019

LAND CORNER OF MELLOR STREET AND COLLEGE STREET
ROCHDALE
OL12 6AA



FIGURE 4

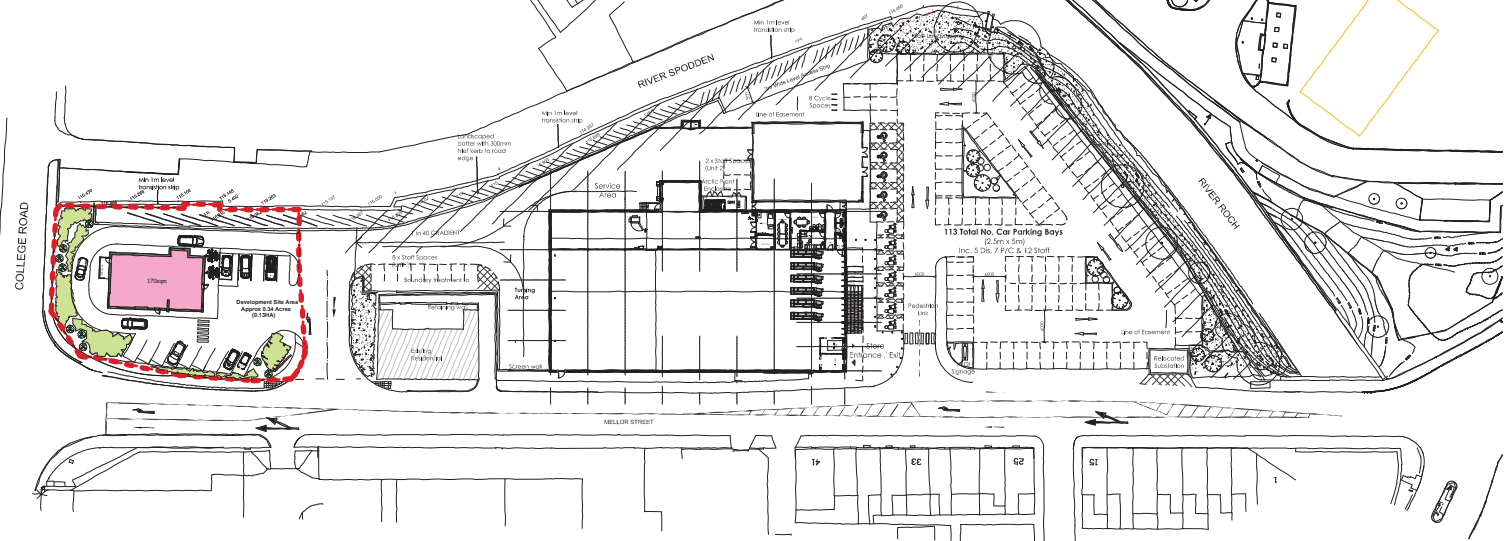
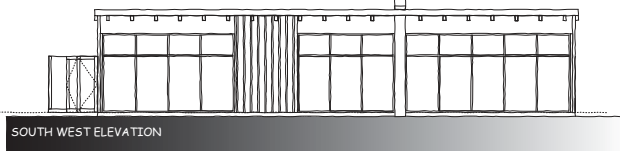
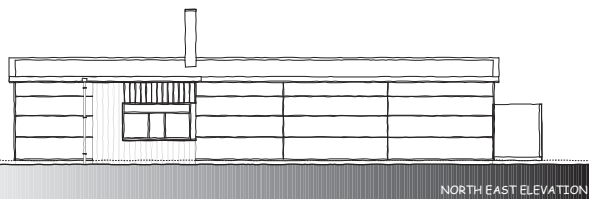
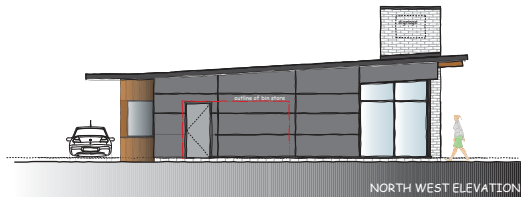
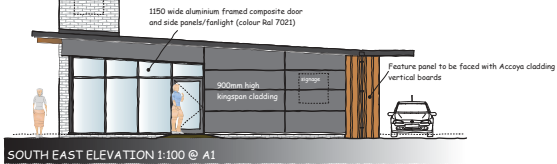
SITE AERIAL PHOTOGRAPH – YEAR 2000

LAND CORNER OF MELLOR STREET AND COLLEGE STREET
ROCHDALE
OL12 6AA

FIGURE 5

PROPOSED SITE BLOCK PLAN

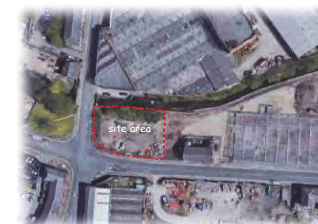
LAND CORNER OF MELLOR STREET AND COLLEGE STREET
ROCHDALE
OL12 6AA



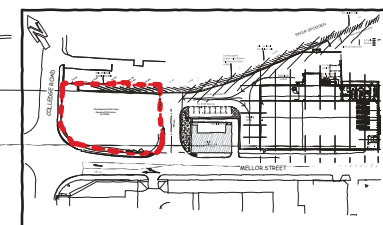
IMPORTANT

THE CONTRACTOR WILL BE RESPONSIBLE FOR SETTING OUT THE WORK. ALL DIMENSIONS MUST BE OBTAINED FROM OR CHECKED ON SITE FIGURED DIMENSIONS TO BE USED IN PREFERENCE TO SCALE.

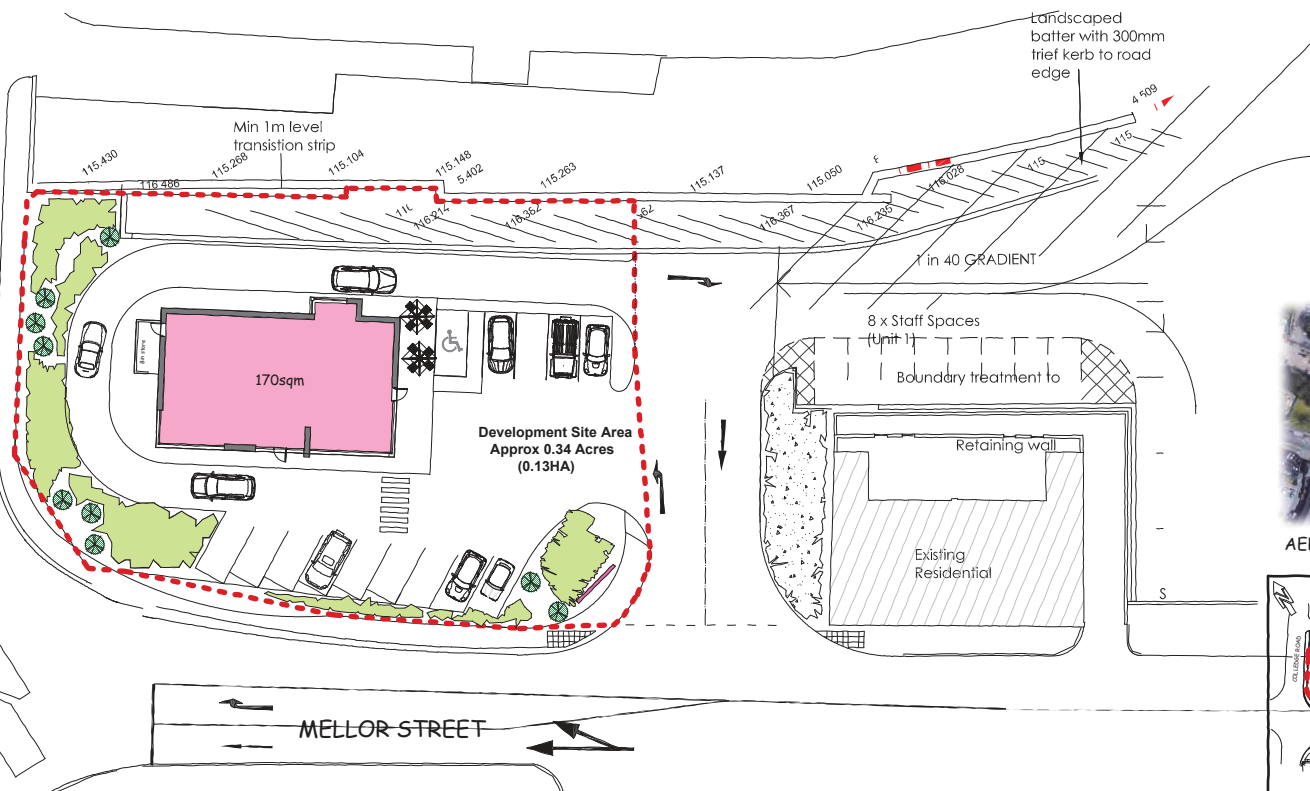
REVISIONS



AERIAL VIEW



1:1250 LOCATION PLAN @ A1



IW DESIGN

Architectural Design • Surveying Services

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Mo:- 07786240766

iwdesignservices@virginmedia.com

Project

PROPOSED DRIVE - THRU LAND AT THE CORNER OF MELLOR STREET & COLLEGE STREET ROCHDALE

Title

PRE-APP PROPOSALS

Drawn

IAW

Scale

1:500 & 1:200 @ A1

Date

Nov 2020

Dwg. No.

MS/R/002a

APPENDICES

APPENDIX A

SITE PHOTOGRAPHS



Photograph 1

A view of the site from the adjacent car park to the east.



Photograph 2

A view along the northern boundary of the site. Note flood bank



Photograph 3

An internal view of the site along the northern boundary



Photograph 4

A further view of the site from the car park to the east. Note level topography



Photograph 5

A view of the site from Mellor Street



Photograph 6

A view of the site from College Street



Photograph 7

A view of the site from College Street to the east



Photograph 8

A view of the site from the north



Photograph 9

A view into the site from the north western corner.



Photograph 10

A view from the western boundary across the site



Photograph 11

A view down the southern boundary of the site



Photograph 12

The central section of the site.



Photograph 13

The central section of the site to the west



Photograph 14

The north eastern corner of the site



Photograph 15

A closer view of the banking located along the northern boundary of the site



Photograph 16

A view of the south west corner of the site



Photograph 17

View of stone, small concrete fragments and weeds across the site



Photograph 18

Discarded stone and other materials at surface



Photograph 19

A view of the flood barrier placed along the northern boundary of the site



Photograph 20

Discarded metal herring fencing and other discarded objects

APPENDIX B

DATA REPORT

LAND CORNER OF MELLOR STREET AND COLLEGE STREET, ROCHDALE, OL12 6AA**Order Details**

Date: 31/01/2022
Your ref: CLR5500
Our Ref: GS-8485288
Client: Brown Fisher Environmental LLP

Site Details

Location: 388929 413241
Area: 0.14 ha
Authority: [Rochdale Metropolitan Borough Council](#)



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Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.12

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	5	10	60	116	-
20	1.2	Historical tanks	0	1	20	63	-
24	1.3	Historical energy features	0	0	10	18	-
25	1.4	Historical petrol stations	0	0	0	0	-
25	1.5	Historical garages	0	1	2	5	-
26	1.6	Historical military land	0	0	0	1	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
27	2.1	Historical industrial land uses	7	13	92	170	-
38	2.2	Historical tanks	0	1	31	96	-
42	2.3	Historical energy features	0	0	17	30	-
44	2.4	Historical petrol stations	0	0	0	0	-
45	2.5	Historical garages	0	2	2	8	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
46	3.1	Active or recent landfill	0	0	0	0	-
46	3.2	Historical landfill (BGS records)	0	0	0	0	-
47	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
47	3.4	Historical landfill (EA/NRW records)	0	0	2	0	-
47	3.5	Historical waste sites	0	0	1	5	-
49	3.6	Licensed waste sites	0	0	0	6	-
50	3.7	Waste exemptions	0	0	19	11	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
54	4.1	Recent industrial land uses	0	3	27	-	-
56	4.2	Current or recent petrol stations	0	0	1	1	-
57	4.3	Electricity cables	0	0	0	0	-
57	4.4	Gas pipelines	0	0	0	0	-
57	4.5	Sites determined as Contaminated Land	0	0	1	0	-



57	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	2	0	-
58	4.7	Regulated explosive sites	0	0	0	0	-
58	4.8	<u>Hazardous substance storage/usage</u>	0	0	0	2	-
59	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
59	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	0	2	-
59	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	3	4	-
61	4.12	Radioactive Substance Authorisations	0	0	0	0	-
61	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	11	8	-
64	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
64	4.15	<u>Pollutant release to public sewer</u>	0	0	0	3	-
64	4.16	List 1 Dangerous Substances	0	0	0	0	-
65	4.17	List 2 Dangerous Substances	0	0	0	0	-
65	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	5	12	-
67	4.19	Pollution inventory substances	0	0	0	0	-
67	4.20	Pollution inventory waste transfers	0	0	0	0	-
67	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
68	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
69	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
70	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
71	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
71	5.5	Groundwater vulnerability- local information	None (within 0m)				
72	5.6	<u>Groundwater abstractions</u>	0	0	0	3	0
73	5.7	<u>Surface water abstractions</u>	0	0	0	0	17
78	5.8	Potable abstractions	0	0	0	0	0
78	5.9	Source Protection Zones	0	0	0	0	-
78	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
79	6.1	<u>Water Network (OS MasterMap)</u>	0	3	4	-	-



80	6.2	<u>Surface water features</u>	1	1	3	-	-
80	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
81	6.4	<u>WFD Surface water bodies</u>	0	1	0	-	-
81	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
82	7.1	<u>Risk of flooding from rivers and the sea</u>	High (within 50m)				
83	7.2	<u>Historical Flood Events</u>	1	3	8	-	-
84	7.3	<u>Flood Defences</u>	0	0	2	-	-
84	7.4	<u>Areas Benefiting from Flood Defences</u>	0	0	1	-	-
85	7.5	Flood Storage Areas	0	0	0	-	-
86	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
87	7.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
88	8.1	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
90	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
91	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	4
92	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
92	10.3	<u>Special Areas of Conservation (SAC)</u>	0	0	0	0	4
93	10.4	Special Protection Areas (SPA)	0	0	0	0	0
93	10.5	National Nature Reserves (NNR)	0	0	0	0	0
93	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
94	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	2
94	10.8	Biosphere Reserves	0	0	0	0	0
94	10.9	Forest Parks	0	0	0	0	0
94	10.10	Marine Conservation Zones	0	0	0	0	0
95	10.11	<u>Green Belt</u>	0	0	0	0	1
95	10.12	Proposed Ramsar sites	0	0	0	0	0



95	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
95	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
96	10.15	Nitrate Sensitive Areas	0	0	0	0	0
96	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
97	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
98	10.18	<u>SSSI Units</u>	0	0	0	0	4
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
100	11.1	World Heritage Sites	0	0	0	-	-
101	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
101	11.3	National Parks	0	0	0	-	-
101	11.4	Listed Buildings	0	0	0	-	-
101	11.5	<u>Conservation Areas</u>	0	0	1	-	-
102	11.6	Scheduled Ancient Monuments	0	0	0	-	-
102	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
103	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
104	12.2	Open Access Land	0	0	0	-	-
104	12.3	Tree Felling Licences	0	0	0	-	-
104	12.4	Environmental Stewardship Schemes	0	0	0	-	-
104	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
105	13.1	<u>Priority Habitat Inventory</u>	0	1	9	-	-
106	13.2	Habitat Networks	0	0	0	-	-
106	13.3	Open Mosaic Habitat	0	0	0	-	-
106	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
107	14.1	<u>10k Availability</u>	Identified (within 500m)				
108	14.2	<u>Artificial and made ground (10k)</u>	0	0	3	0	-
109	14.3	<u>Superficial geology (10k)</u>	1	0	2	0	-

110	14.4	Landslip (10k)	0	0	0	0	-
<u>111</u>	<u>14.5</u>	<u>Bedrock geology (10k)</u>	1	0	0	1	-
<u>112</u>	<u>14.6</u>	<u>Bedrock faults and other linear features (10k)</u>	0	0	0	4	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>113</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
114	15.2	Artificial and made ground (50k)	0	0	0	0	-
114	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<u>115</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	1	0	5	2	-
<u>116</u>	<u>15.5</u>	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
116	15.6	Landslip (50k)	0	0	0	0	-
116	15.7	Landslip permeability (50k)	None (within 50m)				
<u>117</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	1	0	1	1	-
<u>118</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>118</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	0	0	0	3	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>119</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	1	21	-	-
Page	Section	Natural ground subsidence					
<u>121</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Very low (within 50m)				
<u>122</u>	<u>17.2</u>	<u>Running sands</u>	Low (within 50m)				
<u>124</u>	<u>17.3</u>	<u>Compressible deposits</u>	Moderate (within 50m)				
<u>126</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>127</u>	<u>17.5</u>	<u>Landslides</u>	Very low (within 50m)				
<u>128</u>	<u>17.6</u>	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
130	18.1	Natural cavities	0	0	0	0	-
<u>131</u>	<u>18.2</u>	<u>BritPits</u>	0	0	3	3	-
<u>132</u>	<u>18.3</u>	<u>Surface ground workings</u>	0	1	45	-	-
134	18.4	Underground workings	0	0	0	0	0
134	18.5	Historical Mineral Planning Areas	0	0	0	0	-



134	18.6	Non-coal mining	0	0	0	0	0
134	18.7	Mining cavities	0	0	0	0	0
135	18.8	JPB mining areas	None (within 0m)				
135	18.9	<u>Coal mining</u>	Identified (within 0m)				
135	18.10	Brine areas	None (within 0m)				
135	18.11	Gypsum areas	None (within 0m)				
135	18.12	Tin mining	None (within 0m)				
136	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
137	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
138	20.1	<u>BGS Estimated Background Soil Chemistry</u>	1	3	-	-	-
138	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
139	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
140	21.1	Underground railways (London)	0	0	0	-	-
140	21.2	Underground railways (Non-London)	0	0	0	-	-
141	21.3	Railway tunnels	0	0	0	-	-
141	21.4	<u>Historical railway and tunnel features</u>	0	0	12	-	-
142	21.5	Royal Mail tunnels	0	0	0	-	-
142	21.6	Historical railways	0	0	0	-	-
142	21.7	Railways	0	0	0	-	-
142	21.8	Crossrail 1	0	0	0	0	-
142	21.9	Crossrail 2	0	0	0	0	-
143	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 23/05/2019

Site Area: 0.14ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.14ha



Recent site history - 2000 aerial photograph



Capture Date: 19/06/2000

Site Area: 0.14ha



Recent site history - 1999 aerial photograph

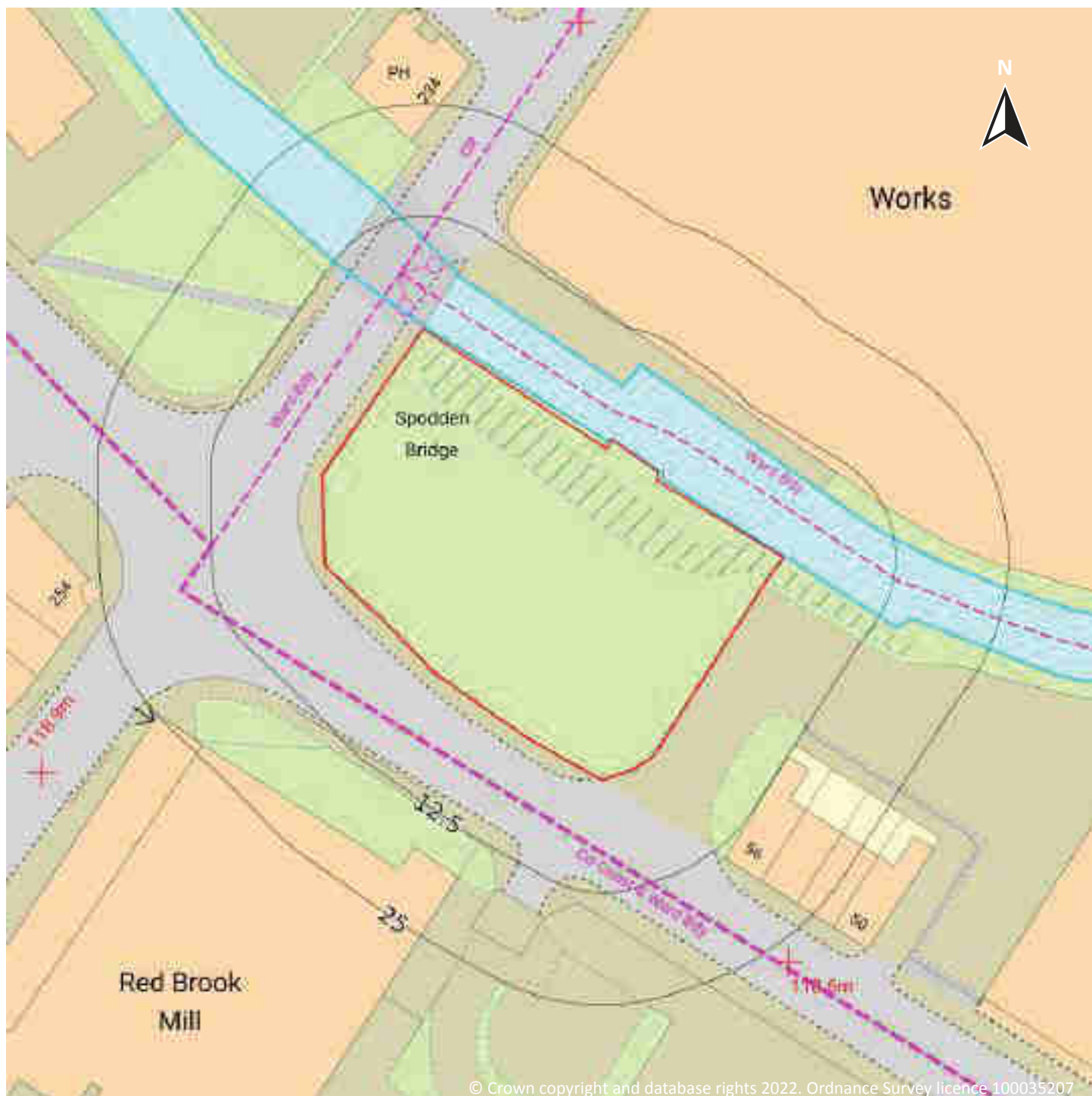


Capture Date: 10/09/1999

Site Area: 0.14ha



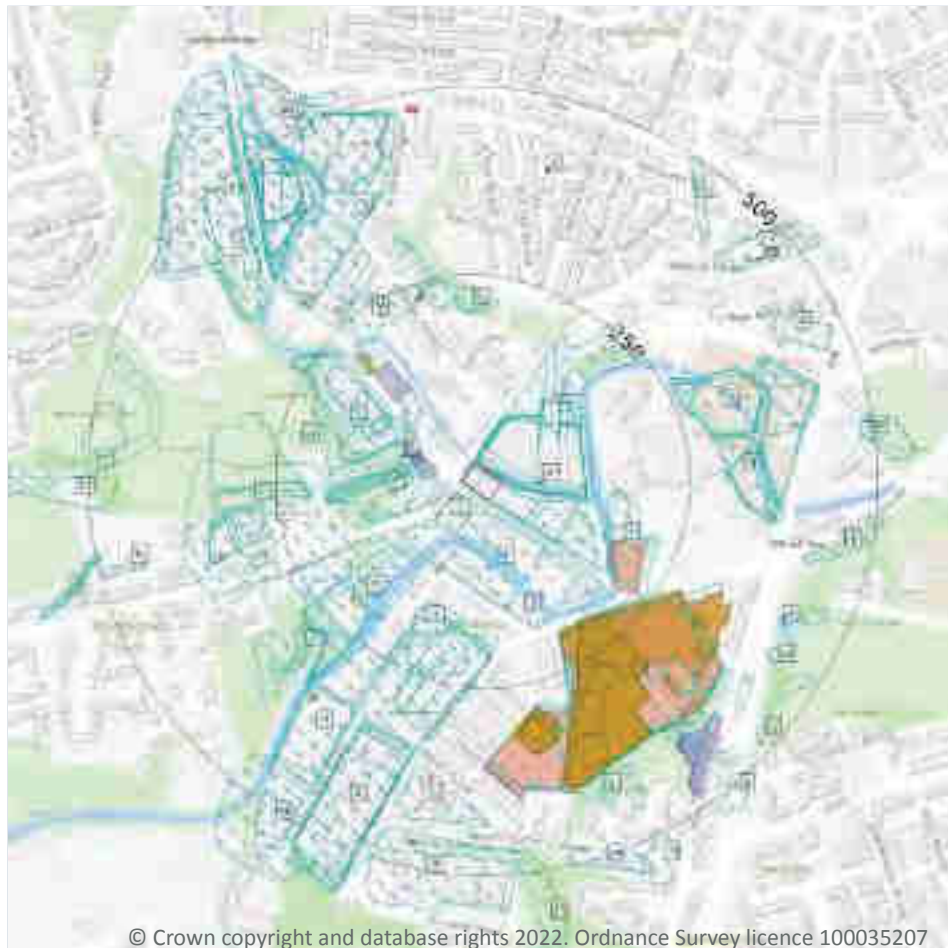
OS MasterMap site plan



Site Area: 0.14ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages
- Historical military land

1.1 Historical industrial land uses

Records within 500m

191

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Mills	1975	724503



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Commercial/Industrial	1968	643263
A	On site	Iron Works	1928 - 1938	711428
A	On site	Unspecified Works	1987 - 1992	737212
A	On site	Iron Works	1949	776877
A	2m NE	Cotton Mill	1851	644260
A	2m NE	Unspecified Mill	1908	757063
A	4m NE	Unspecified Mills	1928 - 1938	773059
A	9m NE	Unspecified Mills	1949	744131
1	12m SW	Unspecified Mill	1987 - 1992	754845
B	13m SW	Unspecified Works	1975	678968
A	23m NE	Unspecified Mill	1968	725860
B	25m S	Unspecified Commercial/Industrial	1987 - 1992	714400
2	35m W	Unspecified Mill	1890 - 1908	754245
D	44m E	Brick Field	1851	668536
E	55m W	Unspecified Quarry	1890	667799
A	65m SE	Unspecified Works	1968	740403
B	67m SW	Unspecified Commercial/Industrial	1987 - 1992	768228
C	67m W	Woollen Mill	1851	670986
E	69m W	Unspecified Heaps	1987 - 1992	733057
E	73m W	Mill Pond	1949	761387
E	75m W	Unspecified Pit	1968 - 1975	775373
E	76m W	Mill Pond	1928 - 1938	769736
F	80m W	Unspecified Works	1987 - 1992	730963
F	82m NW	Unspecified Quarry	1890	667798
F	91m NW	Unspecified Quarry	1949	712161
F	98m NW	Unspecified Quarry	1928 - 1938	782710
F	113m W	Unspecified Ground Workings	1975 - 1992	696220
F	114m NW	Unspecified Works	1975	706872



ID	Location	Land use	Dates present	Group ID
G	115m SW	Unspecified Mills	1949	766909
E	118m SW	Unspecified Pit	1890	690684
F	118m NW	Railway Sidings	1949	707765
F	118m NW	Railway Sidings	1928 - 1938	718728
G	123m SW	Unspecified Mills	1928 - 1938	707412
D	125m NE	Unspecified Ground Workings	1975 - 1992	749560
G	127m SW	Woollen Mill	1851	670984
H	141m E	Unspecified Commercial/Industrial	1968	643264
H	144m E	Unspecified Mills	1949	653259
I	155m S	Unspecified Pit	1968 - 1975	726278
I	165m SW	Brick Works	1908	749241
H	168m SE	Cotton Mill	1851	644261
I	174m SW	Unspecified Quarry	1928 - 1938	738831
I	174m SW	Brick Works	1928 - 1938	748954
I	178m S	Unspecified Heap	1890 - 1908	742696
F	178m NW	Unspecified Tanks	1928 - 1938	784551
F	182m NW	Unspecified Tanks	1949	695002
I	183m S	Unspecified Pit	1968 - 1975	749474
G	184m SW	Unspecified Mills	1908	747111
I	189m S	Unspecified Quarry	1908	768102
J	198m N	Unspecified Ground Workings	1987 - 1992	779971
K	199m SE	Gas Works	1890	735188
K	199m SE	Unspecified Commercial/Industrial	1975 - 1992	738979
G	200m SW	Unspecified Mill	1890	657014
J	200m N	Unspecified Ground Workings	1890	755994
I	200m S	Railway Sidings	1928 - 1938	782338
K	201m SE	Unspecified Works	1968	678967
K	201m SE	Unspecified Commercial/Industrial	1949	711256



ID	Location	Land use	Dates present	Group ID
K	202m SE	Unspecified Commercial/Industrial	1928 - 1938	713479
K	202m SE	Gas Works	1908	721516
L	204m W	Unspecified Heap	1975	717515
4	205m W	Shed	1851	659582
L	205m W	Unspecified Heap	1987 - 1992	713231
K	207m SE	Gasometer	1890 - 1908	790690
L	209m W	Nursery	1890 - 1908	696329
M	211m NW	Fulling Mill	1851	655333
K	214m SE	Unspecified Tank	1928 - 1938	787884
J	224m N	Unspecified Tanks	1928 - 1938	770768
J	231m N	Unspecified Tanks	1949	778277
J	235m N	Unspecified Tanks	1928 - 1938	698686
K	238m SE	Gas Works	1851	701538
I	242m SW	Railway Sidings	1908	759045
J	242m N	Unspecified Tanks	1949	730146
K	247m SE	Unspecified Depot	1987 - 1992	743479
N	250m NE	Unspecified Mills	1890 - 1908	739019
O	250m SW	Unspecified Mill	1968 - 1975	762738
K	252m SE	Unspecified Tanks	1908	666405
N	256m NE	Unspecified Mills	1928 - 1949	761553
N	256m NE	Woollen and Cotton Mill	1851	644851
M	256m NW	Unspecified Commercial/Industrial	1949	752349
N	260m NE	Unspecified Commercial/Industrial	1968	643265
K	260m SE	Gasometers	1890 - 1908	706696
M	266m NW	Chimney	1968 - 1975	706267
K	267m SE	Unspecified Tank	1928 - 1938	776653
K	268m SE	Unspecified Tank	1968	701522
K	268m SE	Unspecified Tank	1949	736521



ID	Location	Land use	Dates present	Group ID
L	269m W	Unspecified Works	1928 - 1938	778348
L	272m W	Sand Pit	1851	643847
L	276m W	Sand Pit	1851	643846
K	279m SE	Unspecified Tank	1949	674712
K	281m SE	Unspecified Tanks	1908	666407
P	283m SW	Refuse Heap	1949	734879
Q	286m E	Unspecified Mills	1949	754524
P	290m SW	Refuse Heap	1928 - 1938	724425
K	291m S	Unspecified Tank	1949	729919
K	291m S	Unspecified Tank	1968 - 1992	737435
K	291m SE	Unspecified Tank	1949	749036
K	291m SE	Unspecified Tank	1968 - 1992	771526
K	292m SE	Unspecified Tank	1928 - 1938	705447
Q	296m E	Unspecified Mills	1928 - 1938	759508
Q	296m E	Unspecified Mill	1908	657140
Q	296m E	Unspecified Heap	1949	650727
K	297m S	Unspecified Tank	1928 - 1938	768365
K	297m S	Gasometer	1908	655110
M	298m NW	Unspecified Works	1975 - 1992	759538
Q	300m E	Unspecified Commercial/Industrial	1968	643266
M	301m NW	Unspecified Commercial/Industrial	1928 - 1938	787270
K	304m S	Unspecified Tanks	1908	666406
L	309m W	Unspecified Works	1949	740262
K	312m SE	Unspecified Tank	1968	674713
L	314m W	Unspecified Works	1908	700400
K	318m SE	Gasometers	1851	652228
P	320m SW	Unspecified Heap	1908	650754
K	324m SE	Unspecified Tank	1968	755852



ID	Location	Land use	Dates present	Group ID
K	324m SE	Unspecified Tank	1949	773040
K	325m SE	Unspecified Tank	1968	674714
K	327m S	Unspecified Tank	1928 - 1938	780786
O	327m SW	Unspecified Mill	1949	750483
O	329m SW	Unspecified Mill	1890 - 1938	788874
R	338m SW	Industrial Estate	1987 - 1992	770430
K	340m S	Unspecified Tank	1975 - 1992	756378
R	340m SW	Unspecified Mill	1949	707027
R	340m SW	Unspecified Commercial/Industrial	1968 - 1975	744042
S	341m NW	Unspecified Commercial/Industrial	1975	643262
S	341m NW	Unspecified Works	1968	678964
5	341m NW	Union Workhouse	1851	680167
O	341m SW	Unspecified Tank	1949	748211
M	342m NW	Unspecified Mill	1928 - 1938	731874
M	344m NW	Unspecified Mill	1949	720276
N	346m E	Unspecified Mill	1928 - 1938	736997
N	348m E	Unspecified Mill	1949	727607
R	348m SW	Unspecified Mill	1928 - 1938	702127
R	349m SW	Unspecified Mill	1908	723008
O	350m SW	Unspecified Tank	1908	740259
M	357m NW	Tramway Car Depot	1908	656664
M	359m NW	Railway Sidings	1928 - 1938	717938
T	360m S	Laundry	1928 - 1938	746289
M	365m NW	Cuttings	1908	642619
M	367m NW	Unspecified Depot	1987 - 1992	767382
R	378m SW	Unspecified Mill	1890	786193
S	379m NW	Railway Sidings	1928 - 1938	789707
M	381m NW	Tramway Sidings	1908	670791

ID	Location	Land use	Dates present	Group ID
M	385m NW	Railway Sidings	1949	697720
K	389m SE	Unspecified Ground Workings	1968 - 1992	707712
K	393m SE	Unspecified Ground Workings	1968 - 1992	757649
M	394m NW	Unspecified Works	1975	749102
M	395m N	Unspecified Works	1987 - 1992	782840
U	395m SE	Unspecified Ground Workings	1949	648020
K	398m SE	Unspecified Ground Workings	1890	700601
M	401m NW	Unspecified Mills	1890	653218
W	404m NE	Telephone Exchange	1987 - 1992	694997
M	405m NW	Bus Depot	1968	680269
X	407m W	Refuse Heap	1949	716414
Y	408m NE	Rope Walk	1851	641260
U	409m S	Unspecified Pit	1890	690685
K	410m SE	Rope Walk	1851	641259
Z	413m SE	Refuse Heap	1851	677422
6	415m E	Unspecified Ground Workings	1968	648018
AA	418m SE	Unspecified Heap	1890	650728
7	421m NE	Rope Walk	1851	641258
U	427m SE	Unspecified Pit	1890	690687
M	429m NW	Unspecified Mill	1968 - 1992	772470
Z	430m SE	Unspecified Heap	1928 - 1938	763348
AB	432m SW	Unspecified Works	1968	701380
M	434m NW	Unspecified Tank	1949	674710
8	435m W	Sand Pit	1890	643844
M	448m NW	Railway Sidings	1928 - 1938	768386
M	449m NW	Tramway Sidings	1908	670790
9	454m S	Unspecified Works	1992	678966
X	454m W	Unspecified Ground Workings	1928 - 1938	719425



ID	Location	Land use	Dates present	Group ID
10	456m SE	Refuse Heap	1851	677421
11	458m SE	Unspecified Ground Workings	1890	648017
AA	459m SE	Unspecified Heap	1928 - 1938	751571
AC	459m NW	Dye Works	1851 - 1890	736259
12	462m W	Unspecified Heap	1968	650761
13	462m S	Unspecified Heap	1938	650756
M	472m NW	Unspecified Mill	1908	778950
14	473m S	Cuttings	1851	642618
R	479m S	Colliery	1851	645246
R	479m SW	Shed	1851	659583
AD	481m E	Police Station	1949	726169
AD	481m E	Police Station	1968	764089
AD	482m E	Police Station	1928 - 1938	705538
AB	482m SW	Unspecified Commercial/Industrial	1975	643270
AB	482m SW	Unspecified Works	1987 - 1992	773433
AC	484m NW	Brewery	1851	672155
15	492m SE	Sand Pit	1851	643845
AE	493m W	Unspecified Ground Workings	1968 - 1975	732129
AE	493m W	Unspecified Ground Workings	1949	734239
AD	498m E	Unspecified Pit	1968	705528
AD	498m E	Unspecified Pit	1949	735529
AE	498m W	Unspecified Ground Workings	1928	740857

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

84

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or



succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
A	46m E	Unspecified Tank	1890	84326
A	59m E	Unspecified Tank	1959	84327
B	82m SW	Unspecified Tank	1890	84206
B	106m S	Unspecified Tank	1890	84325
B	110m SW	Tanks	1910	87682
3	153m S	Unspecified Tank	1890 - 1930	95266
H	168m SE	Unspecified Tank	1910	84329
F	178m NW	Tanks	1910 - 1930	88622
K	198m SE	Gasholder Station	1973 - 1974	101994
K	203m SE	Gas Works	1967	88580
K	203m SE	Gas Holder Station	1979 - 1988	102601
K	204m SE	Gasholder Station	1997	101097
G	211m SW	Unspecified Tank	1910 - 1930	97541
K	212m SE	Unspecified Tank	1930	84328
K	212m SE	Gasometer	1890 - 1910	89434
J	224m N	Tanks	1910 - 1930	96830
J	230m N	Tanks	1890	98875
G	232m SW	Unspecified Tank	1890	84207
K	240m SE	Unspecified Tank	1910 - 1930	90847
K	249m SE	Gas Holder Station	1993	95263
K	249m SE	Gasholder Station	1985 - 1990	88747
K	252m SE	Unspecified Tank	1890	84324
K	255m SE	Tanks	1910 - 1930	99934
K	259m SE	Oil Tank	1910	88152
K	262m SE	Unspecified Tank	1959 - 1967	101819
K	263m SE	Unspecified Tank	1890	93909

ID	Location	Land use	Dates present	Group ID
M	264m NW	Tanks	1978 - 1987	95066
K	265m SE	Tanks	1930	98467
K	265m SE	Gasometers	1890 - 1910	104228
K	265m SE	Unspecified Tank	1957	95804
K	266m SE	Unspecified Tank	1957	98431
K	281m S	Gasholder Station	1990	85874
K	282m SE	Unspecified Tank	1930	84320
K	282m SE	Oil Tank	1910	88151
K	283m SE	Unspecified Tank	1910 - 1930	100490
K	286m SE	Unspecified Tank	1910 - 1930	89781
K	290m SE	Unspecified Tank	1957	84321
K	290m SE	Gasholder	1973	85851
K	291m SE	Gas Holder	1985 - 1993	103081
K	291m S	Unspecified Tank	1957	92517
K	292m S	Unspecified Tank	1957 - 1984	96689
K	292m S	Unspecified Tank	-	77847
K	292m S	Gas Holder	1990	88188
K	293m S	Unspecified Tank	1973 - 1993	92553
K	294m SE	Tanks	1973	97431
K	294m SE	Tanks	1957	101178
M	298m NW	Tanks	1930	87654
N	298m NE	Unspecified Tank	1890	84330
K	298m S	Gasometer	1910	78080
K	298m S	Unspecified Tank	1930	103497
M	301m NW	Unspecified Tank	1987	84178
K	305m S	Unspecified Tank	1910	84323
K	311m SE	Gasometers	1959 - 1967	92298
K	312m SE	Tanks	1959	87684



ID	Location	Land use	Dates present	Group ID
M	316m NW	Unspecified Tank	1890	84179
K	316m S	Unspecified Tank	1890 - 1930	103378
K	332m SE	Tanks	1890 - 1910	92095
K	332m SE	Tanks	1930	87687
L	335m W	Tanks	1910	87681
Q	335m E	Unspecified Tank	1890 - 1930	91432
K	336m SE	Tanks	1930	87683
K	336m S	Gasholder	1973	85852
K	336m S	Unspecified Tank	1957	95823
K	338m S	Gas Holder	1985 - 1990	98797
K	338m SE	Tanks	1910 - 1930	100099
K	339m S	Gas Holder	1993	102245
O	343m SW	Unspecified Tank	-	77878
O	344m SW	Unspecified Tank	1957	95963
O	349m SW	Unspecified Tank	1890	84208
K	350m SE	Tanks	1957	96529
K	351m SE	Tanks	1957	103391
K	358m SE	Unspecified Tank	1985 - 1993	90122
K	364m SE	Unspecified Tank	1930	84322
K	380m SE	Tar Tanks	1910	78341
N	390m E	Unspecified Tank	1890	84332
W	410m NE	Unspecified Tank	1890	84331
T	420m S	Unspecified Tank	1957	103878
T	421m S	Unspecified Tank	-	77904
M	429m NW	Unspecified Tank	1890	84173
M	433m N	Tanks	1930	87655
M	442m N	Tanks	1959	100591
R	476m S	Unspecified Tank	1890	84213



ID	Location	Land use	Dates present	Group ID
M	476m NW	Unspecified Tank	1995	84177
M	487m NW	Unspecified Tank	1910	84176

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

28

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
H	165m SE	Corporation Electricity Station	1910	46385
K	198m SE	Gasholder Station	1973 - 1974	57081
K	199m SE	Electricity Substation	1988 - 1997	55227
K	203m SE	Gas Works	1967	46625
K	203m SE	Gas Holder Station	1979 - 1988	54374
K	203m SE	Corporation Gas Works	1890 - 1910	59229
K	204m SE	Gasholder Station	1997	53887
K	212m SE	Gasometer	1890 - 1910	49944
K	249m SE	Gas Holder Station	1993	57023
K	249m SE	Gasholder Station	1985 - 1990	51739
L	257m SW	Electricity Substation	1987 - 1995	57714
K	265m SE	Gasometers	1890 - 1910	49188
K	281m S	Gasholder Station	1990	46362
K	290m SE	Gasholder	1973	46339
K	291m SE	Gas Holder	1985 - 1993	53607
K	292m S	Gas Holder	1990	46490



ID	Location	Land use	Dates present	Group ID
K	298m S	Gasometer	1910	46132
K	311m SE	Gasometers	1959 - 1967	52993
K	336m S	Gasholder	1973	46340
K	338m S	Gas Holder	1985 - 1990	55941
K	339m S	Gas Holder	1993	58404
T	375m S	Electricity Substation	1990	45541
V	399m N	Electricity Substation	1972	48184
V	399m N	Electricity Substation	1967 - 1990	59157
M	446m N	Electricity Substation	1989 - 1995	53515
T	464m S	Electricity Substation	1990	45540
M	471m N	Electricity Substation	1989 - 1995	51509
M	472m N	Electricity Substation	1987	56094

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

8

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**



ID	Location	Land use	Dates present	Group ID
C	36m W	Garage	1959 - 1978	17439
C	56m W	Garage	1959	16797
F	127m NW	Garage	1978	14598
K	405m SE	Garage	1973	15329
K	405m SE	Garage	1993	15733
K	406m SE	Garage	1985 - 1990	19160
Y	435m NE	Garage	1972	15141
Y	452m NE	Garage	1985 - 1990	18682

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

1

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

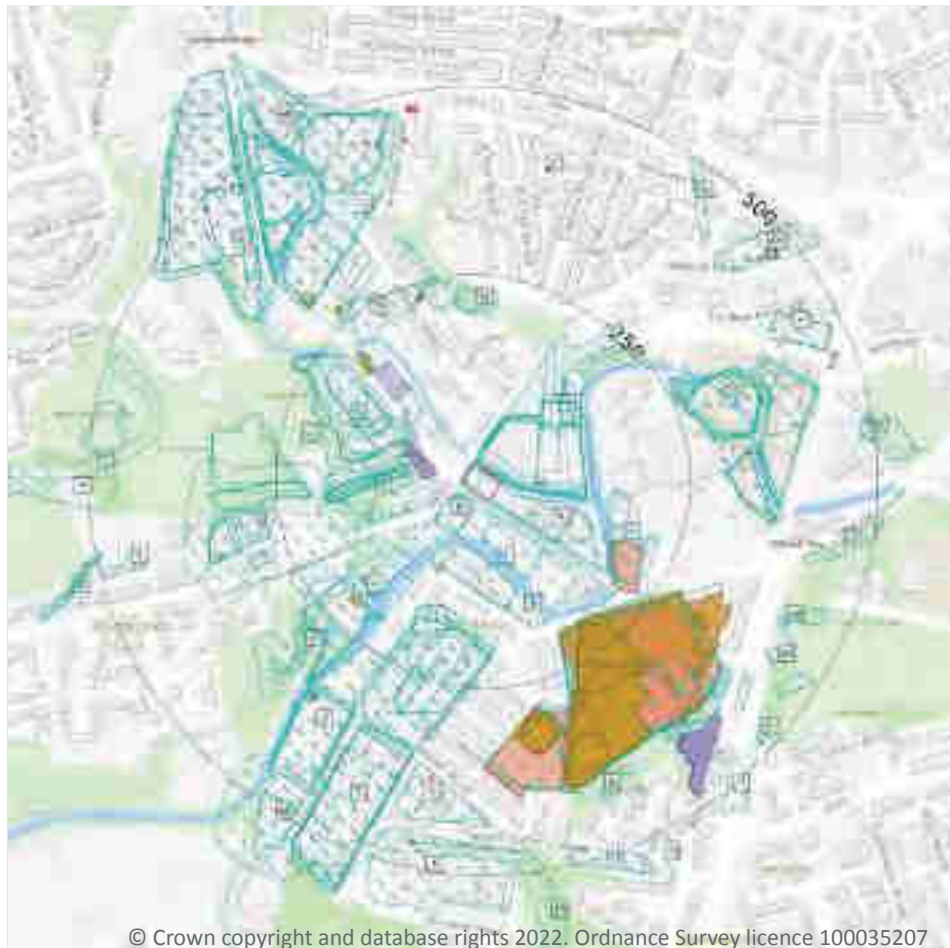
Features are displayed on the Past land use map on **page 13**

ID	Location	Site Name	Date of Operation	Activities
M	399m NW	Rochdale	circa WWI	National Shell Factory; 6in shell

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

282

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 27**

ID	Location	Land Use	Date	Group ID
A	On site	Iron Works	1938	711428
A	On site	Unspecified Works	1992	737212
A	On site	Unspecified Works	1987	737212



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mills	1975	724503
A	On site	Iron Works	1949	776877
A	On site	Unspecified Commercial/Industrial	1968	643263
A	On site	Iron Works	1928	711428
A	2m NE	Cotton Mill	1851	644260
A	2m NE	Unspecified Mill	1908	757063
A	4m NE	Unspecified Mills	1938	773059
A	4m NE	Unspecified Mills	1928	773059
A	9m NE	Unspecified Mills	1949	744131
B	12m SW	Unspecified Mill	1992	754845
B	12m SW	Unspecified Mill	1987	754845
C	13m SW	Unspecified Works	1975	678968
A	23m NE	Unspecified Mill	1968	725860
C	25m S	Unspecified Commercial/Industrial	1992	714400
C	25m S	Unspecified Commercial/Industrial	1987	714400
D	35m W	Unspecified Mill	1908	754245
F	44m E	Brick Field	1851	668536
D	55m W	Unspecified Quarry	1890	667799
A	65m SE	Unspecified Works	1968	740403
C	67m SW	Unspecified Commercial/Industrial	1992	768228
C	67m SW	Unspecified Commercial/Industrial	1987	768228
E	67m W	Woollen Mill	1851	670986
D	69m W	Unspecified Heaps	1992	733057
D	69m W	Unspecified Heaps	1987	733057
D	73m W	Mill Pond	1949	761387
D	75m W	Unspecified Pit	1975	775373
D	75m W	Unspecified Pit	1968	775373
D	76m W	Mill Pond	1938	769736



ID	Location	Land Use	Date	Group ID
D	76m W	Mill Pond	1928	769736
G	80m W	Unspecified Works	1992	730963
G	80m W	Unspecified Works	1987	730963
G	82m NW	Unspecified Quarry	1890	667798
G	91m NW	Unspecified Quarry	1949	712161
G	98m NW	Unspecified Quarry	1938	782710
G	98m NW	Unspecified Quarry	1928	782710
G	113m W	Unspecified Ground Workings	1992	696220
G	113m W	Unspecified Ground Workings	1987	696220
G	113m W	Unspecified Ground Workings	1975	696220
G	114m NW	Unspecified Works	1975	706872
H	115m SW	Unspecified Mills	1949	766909
D	118m SW	Unspecified Pit	1890	690684
G	118m NW	Railway Sidings	1938	718728
G	118m NW	Railway Sidings	1949	707765
G	118m NW	Railway Sidings	1928	718728
H	123m SW	Unspecified Mills	1938	707412
H	123m SW	Unspecified Mills	1928	707412
F	125m NE	Unspecified Ground Workings	1992	749560
F	125m NE	Unspecified Ground Workings	1987	749560
F	125m NE	Unspecified Ground Workings	1975	749560
H	127m SW	Woollen Mill	1851	670984
I	141m E	Unspecified Commercial/Industrial	1968	643264
I	144m E	Unspecified Mills	1949	653259
J	153m W	Unspecified Mill	1890	754245
L	155m S	Unspecified Pit	1975	726278
L	155m S	Unspecified Pit	1968	726278
L	165m SW	Brick Works	1908	749241



ID	Location	Land Use	Date	Group ID
I	168m SE	Cotton Mill	1851	644261
L	174m SW	Unspecified Quarry	1938	738831
L	174m SW	Unspecified Quarry	1928	738831
L	174m SW	Brick Works	1938	748954
L	174m SW	Brick Works	1928	748954
L	178m S	Unspecified Heap	1890	742696
G	178m NW	Unspecified Tanks	1938	784551
G	178m NW	Unspecified Tanks	1928	784551
G	182m NW	Unspecified Tanks	1949	695002
L	183m S	Unspecified Pit	1975	749474
L	183m S	Unspecified Pit	1968	749474
H	184m SW	Unspecified Mills	1908	747111
L	189m S	Unspecified Quarry	1908	768102
L	195m S	Unspecified Heap	1908	742696
M	198m N	Unspecified Ground Workings	1992	779971
M	198m N	Unspecified Ground Workings	1987	779971
N	199m SE	Gas Works	1890	735188
N	199m SE	Unspecified Commercial/Industrial	1992	738979
N	199m SE	Unspecified Commercial/Industrial	1987	738979
N	199m SE	Unspecified Commercial/Industrial	1975	738979
H	200m SW	Unspecified Mill	1890	657014
M	200m N	Unspecified Ground Workings	1890	755994
L	200m S	Railway Sidings	1938	782338
L	200m S	Railway Sidings	1928	782338
N	201m SE	Unspecified Commercial/Industrial	1949	711256
N	201m SE	Unspecified Works	1968	678967
N	202m SE	Unspecified Commercial/Industrial	1938	713479
N	202m SE	Gas Works	1908	721516



ID	Location	Land Use	Date	Group ID
N	202m SE	Unspecified Commercial/Industrial	1928	713479
J	204m W	Unspecified Heap	1975	717515
1	205m W	Shed	1851	659582
J	205m W	Unspecified Heap	1992	713231
J	205m W	Unspecified Heap	1987	713231
N	207m SE	Gasometer	1890	790690
J	209m W	Nursery	1908	696329
O	211m NW	Fulling Mill	1851	655333
N	214m SE	Unspecified Tank	1938	787884
N	214m SE	Unspecified Tank	1928	787884
J	214m W	Nursery	1890	696329
N	216m SE	Gasometer	1908	790690
M	224m N	Unspecified Tanks	1938	770768
M	224m N	Unspecified Tanks	1928	770768
M	231m N	Unspecified Tanks	1949	778277
M	235m N	Unspecified Tanks	1938	698686
M	235m N	Unspecified Tanks	1928	698686
N	238m SE	Gas Works	1851	701538
L	242m SW	Railway Sidings	1908	759045
M	242m N	Unspecified Tanks	1949	730146
N	247m SE	Unspecified Depot	1992	743479
N	247m SE	Unspecified Depot	1987	743479
P	250m NE	Unspecified Mills	1890	739019
Q	250m SW	Unspecified Mill	1975	762738
Q	250m SW	Unspecified Mill	1968	762738
P	251m NE	Unspecified Mills	1908	739019
N	252m SE	Unspecified Tanks	1908	666405
P	256m NE	Unspecified Mills	1938	761553



ID	Location	Land Use	Date	Group ID
P	256m NE	Unspecified Mills	1928	761553
P	256m NE	Woollen and Cotton Mill	1851	644851
O	256m NW	Unspecified Commercial/Industrial	1949	752349
P	259m NE	Unspecified Mills	1949	761553
P	260m NE	Unspecified Commercial/Industrial	1968	643265
N	260m SE	Gasometers	1890	706696
O	266m NW	Chimney	1975	706267
O	266m NW	Chimney	1968	706267
N	267m SE	Unspecified Tank	1938	776653
N	267m SE	Unspecified Tank	1928	776653
N	268m SE	Unspecified Tank	1949	736521
N	268m SE	Unspecified Tank	1968	701522
N	268m SE	Gasometers	1908	706696
J	269m W	Unspecified Works	1938	778348
J	269m W	Unspecified Works	1928	778348
J	272m W	Sand Pit	1851	643847
J	276m W	Sand Pit	1851	643846
N	279m SE	Unspecified Tank	1949	674712
N	281m SE	Unspecified Tanks	1908	666407
R	283m SW	Refuse Heap	1949	734879
S	286m E	Unspecified Mills	1949	754524
R	290m SW	Refuse Heap	1938	724425
R	290m SW	Refuse Heap	1928	724425
N	291m S	Unspecified Tank	1992	737435
N	291m S	Unspecified Tank	1987	737435
N	291m S	Unspecified Tank	1975	737435
N	291m S	Unspecified Tank	1949	729919
N	291m S	Unspecified Tank	1968	737435



ID	Location	Land Use	Date	Group ID
N	291m SE	Unspecified Tank	1992	771526
N	291m SE	Unspecified Tank	1987	771526
N	291m SE	Unspecified Tank	1975	771526
N	291m SE	Unspecified Tank	1949	749036
N	291m SE	Unspecified Tank	1968	771526
N	292m SE	Unspecified Tank	1938	705447
N	292m SE	Unspecified Tank	1928	705447
S	296m E	Unspecified Mills	1938	759508
S	296m E	Unspecified Mills	1928	759508
S	296m E	Unspecified Mill	1908	657140
S	296m E	Unspecified Heap	1949	650727
N	297m S	Unspecified Tank	1938	768365
N	297m S	Unspecified Tank	1928	768365
N	297m S	Gasometer	1908	655110
O	298m NW	Unspecified Works	1992	759538
O	298m NW	Unspecified Works	1987	759538
O	298m NW	Unspecified Works	1975	759538
S	300m E	Unspecified Commercial/Industrial	1968	643266
O	301m NW	Unspecified Commercial/Industrial	1938	787270
O	301m NW	Unspecified Commercial/Industrial	1928	787270
N	304m S	Unspecified Tanks	1908	666406
J	309m W	Unspecified Works	1949	740262
N	312m SE	Unspecified Tank	1968	674713
J	314m W	Unspecified Works	1908	700400
N	318m SE	Gasometers	1851	652228
R	320m SW	Unspecified Heap	1908	650754
N	324m SE	Unspecified Tank	1949	773040
N	324m SE	Unspecified Tank	1968	755852

ID	Location	Land Use	Date	Group ID
N	325m SE	Unspecified Tank	1968	674714
N	327m S	Unspecified Tank	1938	780786
N	327m S	Unspecified Tank	1928	780786
Q	327m SW	Unspecified Mill	1949	750483
Q	329m SW	Unspecified Mill	1890	788874
Q	335m SW	Unspecified Mill	1938	788874
Q	335m SW	Unspecified Mill	1928	788874
Q	336m SW	Unspecified Mill	1908	788874
T	338m SW	Industrial Estate	1992	770430
T	338m SW	Industrial Estate	1987	770430
N	340m S	Unspecified Tank	1992	756378
N	340m S	Unspecified Tank	1987	756378
N	340m S	Unspecified Tank	1975	756378
T	340m SW	Unspecified Commercial/Industrial	1975	744042
T	340m SW	Unspecified Mill	1949	707027
T	340m SW	Unspecified Commercial/Industrial	1968	744042
U	341m NW	Unspecified Commercial/Industrial	1975	643262
U	341m NW	Unspecified Works	1968	678964
2	341m NW	Union Workhouse	1851	680167
Q	341m SW	Unspecified Tank	1949	748211
O	342m NW	Unspecified Mill	1938	731874
O	342m NW	Unspecified Mill	1928	731874
O	344m NW	Unspecified Mill	1949	720276
P	346m E	Unspecified Mill	1938	736997
P	346m E	Unspecified Mill	1928	736997
P	348m E	Unspecified Mill	1949	727607
T	348m SW	Unspecified Mill	1938	702127
T	348m SW	Unspecified Mill	1928	702127

ID	Location	Land Use	Date	Group ID
T	349m SW	Unspecified Mill	1908	723008
Q	350m SW	Unspecified Tank	1908	740259
O	357m NW	Tramway Car Depot	1908	656664
O	359m NW	Railway Sidings	1938	717938
O	359m NW	Railway Sidings	1928	717938
V	360m S	Laundry	1938	746289
V	360m S	Laundry	1928	746289
O	365m NW	Cuttings	1908	642619
O	367m NW	Unspecified Depot	1992	767382
O	367m NW	Unspecified Depot	1987	767382
T	378m SW	Unspecified Mill	1890	786193
U	379m NW	Railway Sidings	1938	789707
U	379m NW	Railway Sidings	1928	789707
O	381m NW	Tramway Sidings	1908	670791
O	385m NW	Railway Sidings	1949	697720
N	389m SE	Unspecified Ground Workings	1992	707712
N	389m SE	Unspecified Ground Workings	1987	707712
N	389m SE	Unspecified Ground Workings	1975	707712
N	389m SE	Unspecified Ground Workings	1968	707712
N	393m SE	Unspecified Ground Workings	1992	757649
N	393m SE	Unspecified Ground Workings	1987	757649
N	393m SE	Unspecified Ground Workings	1975	757649
N	393m SE	Unspecified Ground Workings	1968	757649
O	394m NW	Unspecified Works	1975	749102
O	395m N	Unspecified Works	1992	782840
O	395m N	Unspecified Works	1987	782840
W	395m SE	Unspecified Ground Workings	1949	648020
N	398m SE	Unspecified Ground Workings	1890	700601



ID	Location	Land Use	Date	Group ID
O	401m NW	Unspecified Mills	1890	653218
Y	404m NE	Telephone Exchange	1992	694997
Y	404m NE	Telephone Exchange	1987	694997
O	405m NW	Bus Depot	1968	680269
Z	407m W	Refuse Heap	1949	716414
AA	408m NE	Rope Walk	1851	641260
W	409m S	Unspecified Pit	1890	690685
N	410m SE	Rope Walk	1851	641259
AB	413m SE	Refuse Heap	1851	677422
3	415m E	Unspecified Ground Workings	1968	648018
AC	418m SE	Unspecified Heap	1890	650728
4	421m NE	Rope Walk	1851	641258
W	427m SE	Unspecified Pit	1890	690687
O	429m NW	Unspecified Mill	1992	772470
O	429m NW	Unspecified Mill	1987	772470
O	429m NW	Unspecified Mill	1975	772470
O	429m NW	Unspecified Mill	1968	772470
AB	430m SE	Unspecified Heap	1938	763348
AB	430m SE	Unspecified Heap	1928	763348
AD	432m SW	Unspecified Works	1968	701380
O	434m NW	Unspecified Tank	1949	674710
5	435m W	Sand Pit	1890	643844
O	448m NW	Railway Sidings	1938	768386
O	448m NW	Railway Sidings	1928	768386
O	449m NW	Tramway Sidings	1908	670790
6	454m S	Unspecified Works	1992	678966
Z	454m W	Unspecified Ground Workings	1938	719425
Z	454m W	Unspecified Ground Workings	1928	719425



ID	Location	Land Use	Date	Group ID
7	456m SE	Refuse Heap	1851	677421
8	458m SE	Unspecified Ground Workings	1890	648017
AC	459m SE	Unspecified Heap	1938	751571
AC	459m SE	Unspecified Heap	1928	751571
AE	459m NW	Dye Works	1851	736259
9	462m W	Unspecified Heap	1968	650761
10	462m S	Unspecified Heap	1938	650756
O	472m NW	Unspecified Mill	1908	778950
11	473m S	Cuttings	1851	642618
T	479m S	Colliery	1851	645246
T	479m SW	Shed	1851	659583
AF	481m E	Police Station	1949	726169
AF	481m E	Police Station	1968	764089
AF	482m E	Police Station	1938	705538
AF	482m E	Police Station	1928	705538
AD	482m SW	Unspecified Works	1992	773433
AD	482m SW	Unspecified Works	1987	773433
AD	482m SW	Unspecified Commercial/Industrial	1975	643270
AE	483m NW	Dye Works	1890	736259
AE	484m NW	Brewery	1851	672155
12	492m SE	Sand Pit	1851	643845
AG	493m W	Unspecified Ground Workings	1975	732129
AG	493m W	Unspecified Ground Workings	1949	734239
AG	493m W	Unspecified Ground Workings	1968	732129
AF	498m E	Unspecified Pit	1949	735529
AF	498m E	Unspecified Pit	1968	705528
AG	498m W	Unspecified Ground Workings	1928	740857

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

128

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 27**

ID	Location	Land Use	Date	Group ID
A	46m E	Unspecified Tank	1890	84326
A	59m E	Unspecified Tank	1959	84327
C	82m SW	Unspecified Tank	1890	84206
C	106m S	Unspecified Tank	1890	84325
C	110m SW	Tanks	1910	87682
K	153m S	Unspecified Tank	1890	95266
K	153m S	Unspecified Tank	1910	95266
K	153m S	Unspecified Tank	1930	95266
I	168m SE	Unspecified Tank	1910	84329
G	178m NW	Tanks	1910	88622
G	178m NW	Tanks	1930	88622
N	198m SE	Gasholder Station	1974	101994
N	203m SE	Gas Works	1967	88580
N	203m SE	Gas Holder Station	1979	102601
N	203m SE	Gas Holder Station	1988	102601
N	204m SE	Gasholder Station	1997	101097
H	211m SW	Unspecified Tank	1910	97541
H	211m SW	Unspecified Tank	1930	97541
N	212m SE	Gasometer	1890	89434
N	212m SE	Gasometer	1910	89434
N	212m SE	Unspecified Tank	1930	84328
M	224m N	Tanks	1910	96830
M	224m N	Tanks	1930	96830



ID	Location	Land Use	Date	Group ID
M	230m N	Tanks	1890	98875
H	232m SW	Unspecified Tank	1890	84207
N	240m SE	Unspecified Tank	1910	90847
N	240m SE	Unspecified Tank	1930	90847
N	249m SE	Gasholder Station	1973	101994
N	249m SE	Gas Holder Station	1993	95263
N	249m SE	Gasholder Station	1985	88747
N	249m SE	Gasholder Station	1990	88747
N	249m SE	Gasholder Station	1990	88747
N	252m SE	Unspecified Tank	1890	84324
N	255m SE	Tanks	1910	99934
N	259m SE	Oil Tank	1910	88152
N	260m SE	Tanks	1930	99934
N	262m SE	Unspecified Tank	1959	101819
N	262m SE	Unspecified Tank	1959	101819
N	262m SE	Unspecified Tank	1967	101819
N	263m SE	Unspecified Tank	1890	93909
O	264m NW	Tanks	1978	95066
N	265m SE	Gasometers	1890	104228
N	265m SE	Gasometers	1910	104228
N	265m SE	Tanks	1930	98467
O	265m NW	Tanks	1987	95066
N	265m SE	Unspecified Tank	1957	95804
N	266m SE	Unspecified Tank	1957	98431
N	281m S	Gasholder Station	1990	85874
N	282m SE	Oil Tank	1910	88151
N	282m SE	Unspecified Tank	1930	84320
N	283m SE	Unspecified Tank	1910	100490



ID	Location	Land Use	Date	Group ID
N	283m SE	Unspecified Tank	1930	100490
N	286m SE	Unspecified Tank	1910	89781
N	286m SE	Unspecified Tank	1930	89781
N	290m SE	Gasholder	1973	85851
N	290m SE	Unspecified Tank	1957	84321
N	291m SE	Gas Holder	1993	103081
N	291m S	Unspecified Tank	1957	92517
N	291m SE	Gas Holder	1985	103081
N	291m SE	Gas Holder	1990	103081
N	291m SE	Gas Holder	1990	103081
N	292m S	Unspecified Tank	1957	96689
N	292m S	Unspecified Tank	1984	96689
N	292m S	Gas Holder	1990	88188
N	292m S	Unspecified Tank	-	77847
N	293m S	Unspecified Tank	1973	92553
N	293m S	Unspecified Tank	1957	92517
N	293m S	Unspecified Tank	1957	92517
N	293m S	Unspecified Tank	1993	92553
N	293m S	Unspecified Tank	1985	92553
N	293m S	Unspecified Tank	1990	92553
N	293m S	Unspecified Tank	1990	92553
N	294m SE	Tanks	1973	97431
N	294m SE	Tanks	1957	101178
N	294m SE	Tanks	1957	101178
O	298m NW	Tanks	1930	87654
P	298m NE	Unspecified Tank	1890	84330
N	298m S	Gasometer	1910	78080
N	298m S	Unspecified Tank	1930	103497



ID	Location	Land Use	Date	Group ID
O	301m NW	Unspecified Tank	1987	84178
N	305m S	Unspecified Tank	1910	84323
N	311m SE	Gasometers	1959	92298
N	311m SE	Gasometers	1967	92298
N	312m SE	Tanks	1959	87684
O	316m NW	Unspecified Tank	1890	84179
N	316m S	Unspecified Tank	1890	103378
N	316m S	Unspecified Tank	1910	103378
N	318m S	Unspecified Tank	1930	103378
N	332m SE	Tanks	1890	92095
N	332m SE	Tanks	1910	92095
N	332m SE	Tanks	1930	87687
J	335m W	Tanks	1910	87681
S	335m E	Unspecified Tank	1890	91432
S	335m E	Unspecified Tank	1930	91432
N	336m SE	Tanks	1930	87683
N	336m S	Gasholder	1973	85852
N	336m S	Unspecified Tank	1957	95823
N	338m S	Unspecified Tank	1957	95823
N	338m S	Gas Holder	1985	98797
N	338m S	Gas Holder	1990	98797
N	338m S	Gas Holder	1990	98797
N	338m SE	Tanks	1910	100099
N	338m SE	Tanks	1930	100099
N	339m S	Gas Holder	1993	102245
Q	343m SW	Unspecified Tank	-	77878
Q	344m SW	Unspecified Tank	1957	95963
Q	344m SW	Unspecified Tank	1957	95963



ID	Location	Land Use	Date	Group ID
Q	349m SW	Unspecified Tank	1890	84208
N	350m SE	Tanks	1957	96529
N	351m SE	Tanks	1957	103391
N	358m SE	Unspecified Tank	1993	90122
N	360m SE	Unspecified Tank	1985	90122
N	360m SE	Unspecified Tank	1990	90122
N	360m SE	Unspecified Tank	1990	90122
N	364m SE	Unspecified Tank	1930	84322
N	380m SE	Tar Tanks	1910	78341
P	390m E	Unspecified Tank	1890	84332
Y	410m NE	Unspecified Tank	1890	84331
V	420m S	Unspecified Tank	1957	103878
V	421m S	Unspecified Tank	-	77904
V	422m S	Unspecified Tank	1957	103878
O	429m NW	Unspecified Tank	1890	84173
O	433m N	Tanks	1930	87655
O	442m N	Tanks	1959	100591
O	443m N	Tanks	1959	100591
T	476m S	Unspecified Tank	1890	84213
O	476m NW	Unspecified Tank	1995	84177
O	487m NW	Unspecified Tank	1910	84176

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

47

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 27**



ID	Location	Land Use	Date	Group ID
I	165m SE	Corporation Electricity Station	1910	46385
N	198m SE	Gasholder Station	1974	57081
N	199m SE	Electricity Substation	1988	55227
N	200m SE	Electricity Substation	1997	55227
N	203m SE	Gas Works	1967	46625
N	203m SE	Gas Holder Station	1979	54374
N	203m SE	Gas Holder Station	1988	54374
N	203m SE	Corporation Gas Works	1910	59229
N	204m SE	Corporation Gas Works	1890	59229
N	204m SE	Gasholder Station	1997	53887
N	212m SE	Gasometer	1890	49944
N	212m SE	Gasometer	1910	49944
N	249m SE	Gasholder Station	1973	57081
N	249m SE	Gas Holder Station	1993	57023
N	249m SE	Gasholder Station	1985	51739
N	249m SE	Gasholder Station	1990	51739
N	249m SE	Gasholder Station	1990	51739
J	257m SW	Electricity Substation	1995	57714
J	257m SW	Electricity Substation	1987	57714
N	265m SE	Gasometers	1890	49188
N	265m SE	Gasometers	1910	49188
N	281m S	Gasholder Station	1990	46362
N	290m SE	Gasholder	1973	46339
N	291m SE	Gas Holder	1993	53607
N	291m SE	Gas Holder	1985	53607
N	291m SE	Gas Holder	1990	53607
N	291m SE	Gas Holder	1990	53607
N	292m S	Gas Holder	1990	46490



ID	Location	Land Use	Date	Group ID
N	298m S	Gasometer	1910	46132
N	311m SE	Gasometers	1959	52993
N	311m SE	Gasometers	1967	52993
N	336m S	Gasholder	1973	46340
N	338m S	Gas Holder	1985	55941
N	338m S	Gas Holder	1990	55941
N	338m S	Gas Holder	1990	55941
N	339m S	Gas Holder	1993	58404
V	375m S	Electricity Substation	1990	45541
X	399m N	Electricity Substation	1972	48184
X	399m N	Electricity Substation	1985	59157
X	399m N	Electricity Substation	1990	59157
X	400m N	Electricity Substation	1967	59157
O	446m N	Electricity Substation	1995	53515
O	446m N	Electricity Substation	1989	53515
V	464m S	Electricity Substation	1990	45540
O	471m N	Electricity Substation	1995	51509
O	471m N	Electricity Substation	1989	51509
O	472m N	Electricity Substation	1987	56094

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



2.5 Historical garages

Records within 500m

12

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

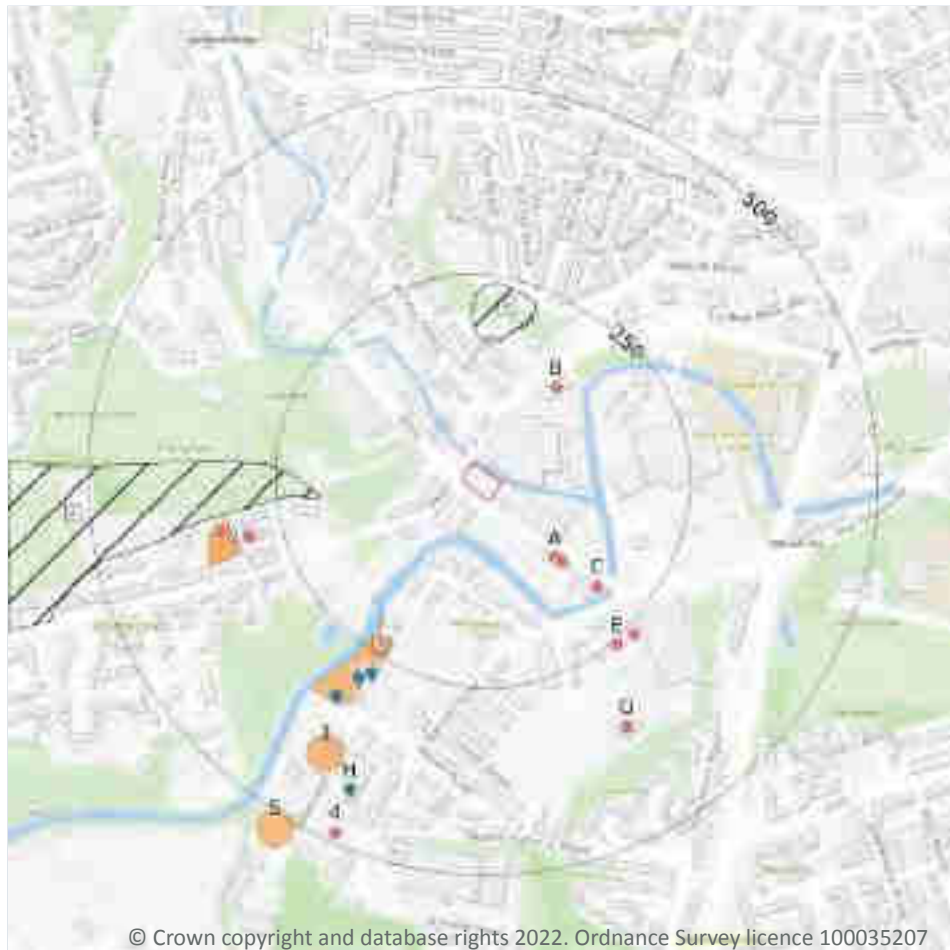
Features are displayed on the Past land use - un-grouped map on **page 27**

ID	Location	Land Use	Date	Group ID
E	36m W	Garage	1978	17439
E	36m W	Garage	1959	17439
E	56m W	Garage	1959	16797
G	127m NW	Garage	1978	14598
N	405m SE	Garage	1993	15733
N	405m SE	Garage	1973	15329
N	406m SE	Garage	1990	19160
N	406m SE	Garage	1990	19160
N	406m SE	Garage	1985	19160
AA	435m NE	Garage	1972	15141
AA	452m NE	Garage	1990	18682
AA	452m NE	Garage	1985	18682

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

2

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 46**

ID	Location	Details		
1	160m N	Site Address: Central Tip, Eden Street and Grimble Street, Rochdale, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D072 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -
2	192m W	Site Address: Sandy Brow, Rochdale, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D075 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m

6

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 46**

ID	Location	Address	Further Details	Date
D	204m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
D	285m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
F	311m W	Site Address: N/A	Type of Site: Waste Rubber Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1910
F	311m W	Site Address: N/A	Type of Site: Waste Rubber Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1930
3	375m SW	Site Address: Rochdale WWTW, Roch Valley Way, ROCHDALE, Greater Manchester, OL11 4HQ	Type of Site: Waste Water Transfer Station Planning application reference: 09/D51654 Description: Scheme comprises construction of strain press building with integral odour controlled skip removal facility. An application (ref: 09/D51654) for detailed planning permission was granted by Rochdale B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	30/06/2009
5	494m SW	Site Address: Corporation Road, ROCHDALE, Greater Manchester, OL11 4HJ	Type of Site: Waste Transfer Unit Planning application reference: D33666 Description: An application (ref: D33666) for Detailed Planning permission was submitted to Rochdale B.C. on 22nd October 1996. Data source: Historic Planning Application Data Type: Point	-

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.



3.6 Licensed waste sites

Records within 500m

6

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 46**

ID	Location	Details		
D	278m SW	Site Name: Mazda & Mitsubishi Spares Site Address: Mazda & Mitsubishi Spares, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMS001 EPR reference: EA/EPR/FP3798CL/V002 Operator: Mr Arshad Mahmood & Mr Shiraz Khan Waste Management licence No: 50013 Annual Tonnage: 4999	Issue Date: 30/04/1999 Effective Date: - Modified: 28/02/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	293m SW	Site Name: Japs Of Rochdale Site Address: Mandale Park, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ALI001 EPR reference: EA/EPR/PP3394CY/A001 Operator: Ali Saeed Waste Management licence No: 50175 Annual Tonnage: 200	Issue Date: 05/12/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	293m SW	Site Name: Rochdale Motor Breakers Site Address: Mandale Park, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MUH001 EPR reference: EA/EPR/BB3301UX/T001 Operator: Ikram Muhammad Waste Management licence No: 50175 Annual Tonnage: 200	Issue Date: 05/12/2003 Effective Date: 13/09/2018 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
D	329m SW	Site Name: Mazda Spares Site Address: Mandale Park, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMS001 EPR reference: EA/EPR/FP3798CL/A001 Operator: Arshad Mahmood & Shiraz Khan Waste Management licence No: 50013 Annual Tonnage: 417	Issue Date: 30/04/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	429m SW	Site Name: Mohammed Saeed Site Address: Brimrod Yard, Corporation Road, Sparth Bottoms, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JAP004 EPR reference: VP3495ET/V002 Operator: Mohammed Saeed Waste Management licence No: 100110 Annual Tonnage: 0	Issue Date: 26/09/2007 Effective Date: - Modified: 29/07/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
H	429m SW	Site Name: Mohammed Saeed Site Address: Brimrod Yard, Corporation Road, Sparth Bottoms, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JAP004 EPR reference: EA/EPR/VP3495ET/V002 Operator: Mohammed Saeed Waste Management licence No: 100110 Annual Tonnage: 2499	Issue Date: 26/09/2007 Effective Date: - Modified: 29/07/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m

30

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 46**



ID	Location	Site	Reference	Category	Sub-Category	Description
A	117m SE	-	WEX259767	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	117m SE	-	WEX259767	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	117m SE	-	WEX259767	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	117m SE	-	WEX259767	Treating waste exemption	Not on a farm	Screening and blending of waste
A	117m SE	-	WEX259767	Using waste exemption	Not on a farm	Incorporation of ash into soil
A	117m SE	-	WEX259767	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
A	117m SE	-	WEX259767	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
A	117m SE	-	WEX259767	Using waste exemption	Not on a farm	Use of waste in construction
A	126m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Treating waste exemption	Not on a farm	Sorting mixed waste
A	126m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Using waste exemption	Not on a farm	Use of waste in construction
A	126m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	126m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	142m NE	Unit 1, Mitchell Hey Mill, College Road, OL12 6AE, Rochdale, OL12 6AE	WEX281758	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	142m NE	Unit 1, Mitchell Hey Mill, College Road, OL12 6AE, Rochdale, OL12 6AE	WEX281758	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	142m NE	Unit 1, Mitchell Hey Mill, College Road, OL12 6AE, Rochdale, OL12 6AE	WEX281758	Using waste exemption	Not on a farm	Use of waste for a specified purpose



ID	Location	Site	Reference	Category	Sub-Category	Description
C	184m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	184m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Treating waste exemption	Not on a farm	Sorting mixed waste
C	184m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	184m SE	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Using waste exemption	Not on a farm	Use of waste in construction
E	257m SE	-	WEX244774	Using waste exemption	Not on a farm	Use of waste in construction
E	263m SE	National Grid Dane Street OL11 4EZ	EPR/ZE5848VR /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
F	296m W	CHADWICK STREET, ROCHDALE, OL11 5HD	WEX153602	Treating waste exemption	Not on a farm	Recovery of scrap metal
F	296m W	BRITANNIA METALS LIMITED, CHADWICK STREET, ROCHDALE, OL11 5HD	WEX157799	Treating waste exemption	Not on a Farm	Recovery of scrap metal
F	296m W	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/ZF0503EL /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
F	332m W	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/HE5259FP /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
F	332m W	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/HE5259FP /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	332m W	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/HE5259FP /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
G	354m SE	DANE STREET, ROCHDALE, OL11 4EZ	WEX157469	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
G	354m SE	DANE STREET, ROCHDALE, OL11 4EZ	WEX157469	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)

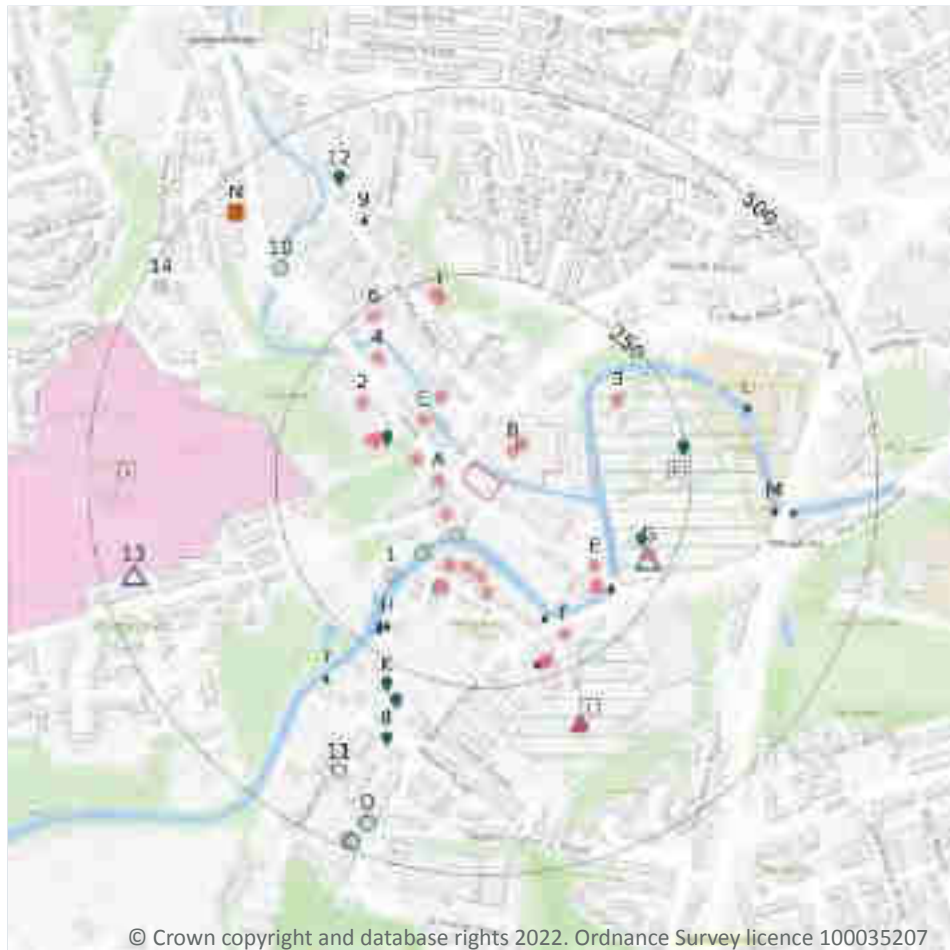


ID	Location	Site	Reference	Category	Sub-Category	Description
4	487m SW	NORMAN ROAD, ROCHDALE, OL11 4HS	WEX144000	Storing waste exemption	Not on a farm	Storage of waste in a secure place

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- Sites determined as Contaminated Land
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- ⬮ Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollutant release to public sewer
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

30

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Company	Address	Activity	Category
A	34m W	Home Television	254, Bury Road, Rochdale, Greater Manchester, OL11 4EE	Electrical Equipment Repair and Servicing	Repair and Servicing
B	41m NE	Works	Greater Manchester, OL12	Unspecified Works Or Factories	Industrial Features
A	48m SW	G T S Sheet Metal Ltd	Redbrook Mill, Bury Road, Rochdale, Greater Manchester, OL11 4EE	Metalworkers Including Blacksmiths	Construction Services



ID	Location	Company	Address	Activity	Category
B	56m NE	Acegate Manufacturing Ltd	Mitchell Hey Mills, College Road, Rochdale, Greater Manchester, OL12 6AE	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
B	56m NE	Better Dreams Ltd	Mitchell Hey Mills, College Road, Rochdale, Greater Manchester, OL12 6AE	Textiles, Fabrics, Silk and Machinery	Industrial Products
A	66m W	Mellor Street Garage	Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	85m NW	Acceleration Services Ltd	70, Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	94m S	T E C Engineering	Bridgefield Street, Rochdale, Greater Manchester, OL11 4EY	Precision Engineers	Engineering Services
C	96m NW	Works	Greater Manchester, OL12	Unspecified Works Or Factories	Industrial Features
A	101m SW	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
A	102m S	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
A	123m S	Lo-dough	Bridgefield Street, Rochdale, Greater Manchester, OL11 4EY	Catering and Non Specific Food Products	Foodstuffs
A	125m W	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
A	130m W	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
A	131m SW	M M K Repairs	Mandale Park, Corporation Road, Rochdale, Greater Manchester, OL11 4HJ	Vehicle Parts and Accessories	Motoring
E	165m SE	Electricity Sub Station	Greater Manchester, OL12	Electrical Features	Infrastructure and Facilities
2	165m NW	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
E	184m SE	Doug Ashton Hires	1, Mellor Street, Rochdale, Greater Manchester, OL12 6XD	Construction and Tool Hire	Hire Services
E	184m SE	Benfield Electric Europe Ltd	Tramway Offices, Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Distribution and Haulage	Transport, Storage and Delivery
3	188m NE	Electricity Sub Station	Greater Manchester, OL12	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
4	188m NW	Delta Obstruction Lighting	Aviation House 76, Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Aeroplanes	Industrial Products
F	205m SE	Electricity Sub Station	Greater Manchester, OL12	Electrical Features	Infrastructure and Facilities
G	219m SE	Asda Petrol	The Old Cricket Ground, Rochdale, Greater Manchester, OL12 6XT	Petrol and Fuel Stations	Road and Rail
I	223m N	Holmes Street M O T Centre	Holmes Street, Rochdale, Greater Manchester, OL12 6AQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
F	227m S	Business Centre	Greater Manchester, OL12	Business Parks and Industrial Estates	Industrial Features
F	229m S	Colourcode Plastics	Unit 3-4 Rochdale Enterprise Generation Centre, Dane Street, Rochdale, Greater Manchester, OL12 6XB	Industrial Coatings and Finishings	Industrial Products
F	229m S	Routes Healthcare	Office 30 Evans Business Centre, Dane Street, Rochdale, Greater Manchester, OL12 6XB	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
F	229m S	webuyanycar.com	Office 1 Evans Business Centre, Dane Street, Rochdale, Greater Manchester, OL12 6XB	Secondhand Vehicles	Motoring
I	231m N	Works	Greater Manchester, OL12	Unspecified Works Or Factories	Industrial Features
6	235m NW	Works	Greater Manchester, OL12	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Company	Address	LPG	Status
G	219m SE	ASDA	Dane Street, Mitchell Hey, Rochdale, Greater Manchester, OL12 6XT	No	Open
13	457m W	OBSOLETE	Bury Road, Rochdale, Greater Manchester, OL11 4EB	Not Applicable	Obsolete



This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

1

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Description	Site name	Category	Year identified
5	197m W	Former landfill site. Assessment concluded that not meet the legal definition of "contaminated land" as defined by the 1990 Environmental Protection Act	Sandy Brow former landfill site. Spotland, Rochdale	Potentially Contaminated Land - Revoked	2013

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

2

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Company	Address	Operational status	Tier
D	129m E	British Gas	British Gas, Dane Street, Rochdale	Historical NIHHS Site	-

