

OLD RAILWAY YARD, ROCHDALE

Phase 1 - Preliminary Risk Assessment



Prepared for:

BUILDING ELEMENTS LTD

Report Ref: BEK-23133-1

November 2023

Project Quality Assurance Information Sheet

Site	Old Railway Yard, Rochdale
Report Title	Phase 1 - Preliminary Risk Assessment
Report Status	Final
Report No	BEK-23133-1
Date	November 2023
Prepared For	BUILDING ELEMENTS LTD Duck Pond Farm Cottage Moorgate Road Barnoldswick Lancashire BB18 5SQ
Prepared By	BEK ENVIRO LIMITED No 2 Landwick Court Metcalf Drive Altham Business Park Lancashire BB5 5TU
Author	Adam Hope BSc (Hons)
Checked	Alice Molyneux BSc (Hons)
Authorised	Michael Buckley BSc (Hons) MSc MEnvSci CEnv
Contact	mbuckley@bekenviro.co.uk www.bekenviro.co.uk Office: 01254 377622 Mobile: 07906753583

OLD RAILWAY YARD, ROCHDALE

Phase 1 - Preliminary Risk Assessment

PROJECT NO: 23133

REPORT REF: BEK-23133-1

DATE: November 2023

REVISION STATUS / HISTORY

Rev	Date	Issue / Comment	Prepared	Checked

GENERAL REPORT LIMITATIONS

BEK Enviro Limited (BEK) has prepared this report for the sole use of the client, showing reasonable skill and care, for the intended purposes as stated in the agreement under which this work was completed. The report may not be relied upon by any other party without the express agreement of the client and BEK. No other warranty, expressed or implied, is made as to the professional advice included in this report.

Where any data supplied by the client or from other sources have been used, it has been assumed that the information is correct. No responsibility can be accepted by BEK for inaccuracies in the data supplied by any other party. The conclusions and recommendations in this report are based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.

No part of this report may be copied or duplicated without the express permission of BEK and the party for whom it was prepared. Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

Unless explicitly agreed otherwise, in writing, this report has been prepared under BEK's limited standard Terms and Conditions as included within our proposal to the Client. The report needs to be considered in the light of the BEK proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.



GEO-ENVIRONMENTAL CONSULTING

TABLE OF CONTENTS

1.	INTRODUCTION
1.1	Appointment
1.2	Proposed Development
1.3	Objective & Scope of Work
1.4	Limitations
2.	SITE DESCRIPTION
2.1	Site Location
2.2	Site Layout & Description
2.3	Surrounding Land Use
3.	SITE HISTORY
4.	ENVIRONMENTAL SETTING
4.1	Geology
4.2	Mining & Ground Stability
4.3	Hydrogeology
4.4	Hydrology
4.5	Contaminated Land & Landfill Activities
4.6	Sensitive Land Uses
4.7	Radon
4.8	Unexploded Ordnance
5.	POTENTIAL POLLUTANT LINKAGES
5.1	General
5.2	Potential Contaminants of Concern
5.3	Potential Pathways
5.4	Receptors
5.5	Preliminary Conceptual Model
5.6	Potentially Significant Pollutant Linkages
6.	RECOMMENDATIONS

APPENDICES	
Appendix A	Historical OS Maps
Appendix B	Enviro+GeoInsight Report
Appendix C	BGS Borehole Records
Appendix D	Potential Pollutant Linkages
Appendix E	Site Photographs
Appendix F	Drawings

DRAWINGS	
BEK Drawing 23133-1	Site Location
BEK Drawing 23133-2	Site Layout
AV Town Planning Drawing No: STE/03 – Dwg 01A	Proposed Site Plan



1. INTRODUCTION

1.1 Appointment

1.1.1 BEK Enviro Limited (BEK) have been commissioned by Building Elements Ltd to prepare a Preliminary Risk Assessment for an area of land to the west of Fishwick Street, Rochdale (hereafter referred to as 'the site') to assess potential risks associated with contamination and ground gas with respect to the proposed commercial end use.

1.1.2 The site location and site layout are presented on BEK Drawing No 23133-1 and BEK Drawing No 23133-2, respectively. Copies of these drawings are presented in Appendix F.

1.2 Proposed Development

1.2.1 This report has been prepared to support a planning application for the construction of an industrial unit for the purposes of vehicle repair, vehicle sales and MOTs.

1.2.2 The proposed development is shown on AV Town Planning Drawing No: STE/03 – Dwg 01A, dated July 2023, a copy of which is presented in Appendix F.

1.3 Objective & Scope of Work

1.3.1 This report provides the details of the works undertaken by BEK to assess the potential risks from contamination considering the end use as commercial.

1.3.2 To achieve the objective BEK will undertake the following:

- Carry out a site inspection and take photographs
- Review the available relevant background information for the site, including:
 - Recent Ordnance Survey Map
 - Drawings provided by AV Town Planning
 - BGS Web Page
 - Site Specific GroundSure Reports
 - Site Specific Historical Maps
 - Coal Authority Interactive Map
 - Zetica Unexploded Ordnance Risk Map
- Develop a preliminary conceptual site model in accordance with guidance to identify potentially significant pollutant linkages specific to the proposed development
- Establish areas of potential concern based on identified risks and/or potential risks
- Identify any actions required to assess or reduce the risks identified



1.4 Limitations

- 1.4.1 The conclusions and recommendations presented in this report are the result of our professional interpretation of the information currently available. BEK reserves the right to amend the conclusions and recommendations if further information becomes available.
- 1.4.2 However, it should be noted that much of the information has been derived from reports written by others and BEK takes no responsibility for the accuracy of that information. Notwithstanding the above, the reports reviewed have all been written by professional environmental consultants with a duty of care to provide relevant and accurate information.
- 1.4.3 The assessment of invasive plant species is outside the remit of this commission.



2. SITE DESCRIPTION

2.1 Site Location

2.1.1 The site is located to the west of Fishwick Street, Rochdale, approximately 800 m south-east of Rochdale town centre and some 8km north-west of Oldham town centre.

2.1.2 The National Grid Reference for the centre of the site is 390329, 412847. The site location and site layout is shown on BEK Drawing No 23133-1 and 23133-2 respectively, copies of which are presented in Appendix F.

2.2 Site Layout & Description

2.2.1 The site occupies a triangular shaped plot of land off approximately 8,000 m². The entrance to the site is in the southern corner off Fishwick Street via a sliding security gate. The site is operated by Steadplan Limited for the purpose of vehicle sales, leasing, maintenance and conversions. The site is overlain with concrete hardstanding with a building in the west which contains vehicle maintenance bays and a reception area.

2.2.2 All peripheries of the site are lined with security fencing which is electrified in parts. The eastern periphery of the site is approximately 3 m higher than Fishwick Street by a retaining wall. The northern site periphery borders an active trainline/tramline whilst the western periphery borders neighbouring commercial buildings.

2.2.3 The central area of the site is largely vacant. Vehicles, trailers and vehicle parts are stored around the peripheries of the site. An area to the rear of the building in the west of the site is used as a storage area for oil barrels, IBC's, vehicle batteries, gas canisters and waste containers. A stockpile of steel beams is present in the along the northern site boundary.

2.2.4 Metal storage crates, concrete blocks and an empty IBC are present in the northern corner of the site. The concrete hardstanding across the site appears in good condition.

2.2.5 A series of photographs taken during the site walkover are presented in Appendix E.

2.3 Surrounding Land Use

2.3.1 The site is located within an industrial area of Rochdale and is bordered by a training centre and Royal Mail warehouse to the west. An active trainline/tramline is present to the north of the site whilst commercial units are present to the east of the site, beyond Fishwick Street.

3. SITE HISTORY

- 3.1 The history of the site has been established using historical OS maps supplied by Groundsure. A selection of the maps reviewed is presented in Appendix A.

1851

- 3.2 The earliest available historical maps show an 'Engine Shaft' located in the north-east of the site. Railway sidings infringe on the north of the site, as well as a 'Carriage Shed' which is present in the western corner. The remainder of the site appears vacant. Open fields are present immediately east, south and west of the site, whilst railway sidings are present immediately north which connect to the 'Lancashire and Yorkshire Railway'. An engine house is present some 30 m north of the site and a warehouse is present circa 50 m north-west. Buildings marked as 'Ivy Cottage' are present some 55 m north of the site. A further warehouse is present some 80 m north of the site. A canal is located approximately 160 m west of the site.

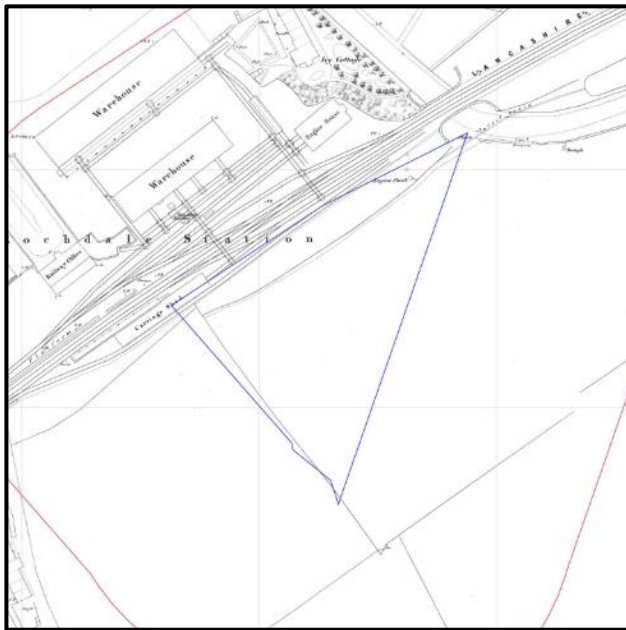


Figure 1: Extract from the 1851 map

1891

- 3.3 The site is now occupied by a large 'Goods Shed' and railway sidings are present across the site, as well as a further smaller building present near the southern corner of the site. The carriage shed which infringed on the western corner of the site is no longer present. Railway sidings on site extend off site to the north-east and west. Fishwick Street is present immediately east of the site. Residential dwellings are present approximately 10 m east of the northern corner of the site. A number of large buildings marked as 'Railway Works' are present immediately south of the site and a 'Saw Mills' is located approximately 50 m south-west of the site.

- 3.4 The warehouse located circa 50 m north-west of the site and buildings marked as 'Ivy Cottage' are no longer present and the land is occupied by a large building marked as 'Goods Shed'. A large area of railway sidings marked as 'Mineral Yard' is present circa 100 m north-east of the site. Large buildings marked as 'Engineering Works' are present some 100 m east and 110 m west of the site. Residential development has occurred circa 110 m north and 115 m south of the site. A chimney is present some 120 m east of the site. A reservoir is present approximately 140 m east of the site. Two mill buildings are present some 140 m south-west of the site.

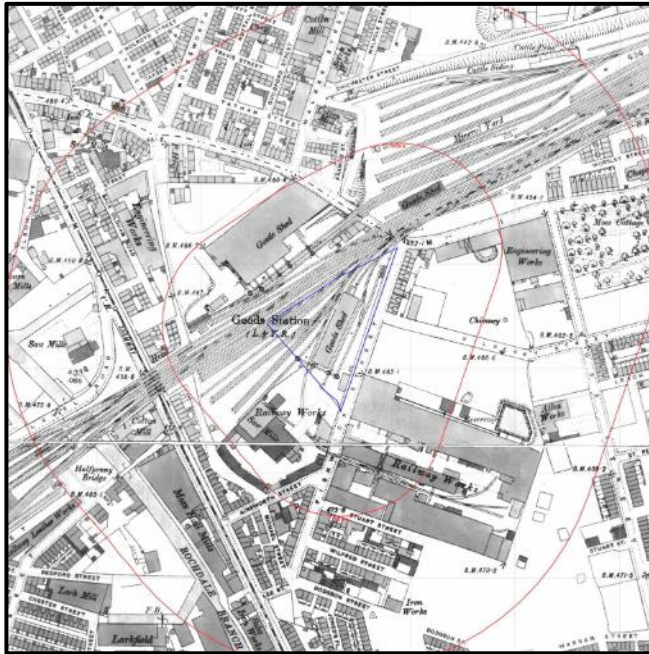


Figure 2: Extract from the 1891 map

1910

- 3.5 A number of small buildings are present in the northern corner of the site. The engineering works to the east of the site is now marked as 'Hope Iron Works'. A smithy is present circa 150 m north-west of the site. Extensive residential development has occurred approximately 150 m east of the site eastwards and some 180 m south-west of the site.

1930

- 3.6 The goods shed located in the centre of the site has been extended eastwards. The railway works have been extended northwards and include two chimneys and a small reservoir some 150 m east of the site. Additional buildings are present at 'Hope Iron Works' some 50 m east of the northern corner of the site. A 'picture theatre' and 'billiard hall' are present circa 185 m west of the site.

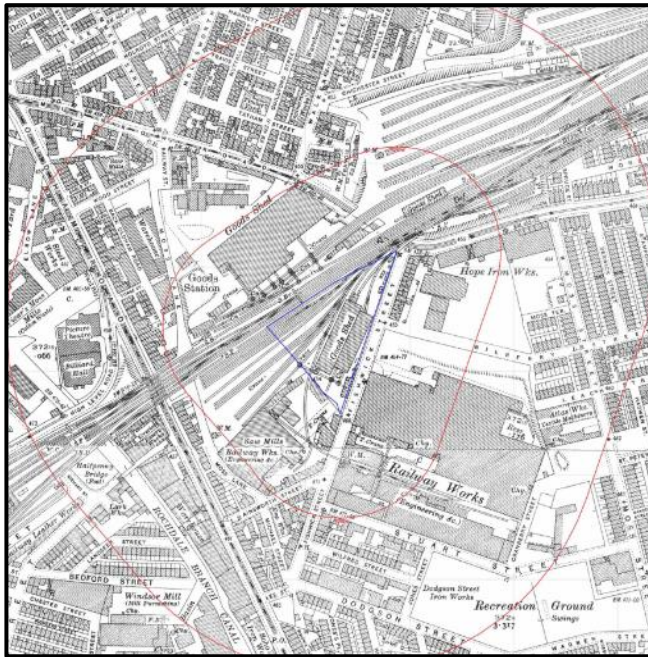


Figure 3: Extract from the 1930 map

1957

- 3.7 There are no significant changes to the site. Hope Iron Works has been extended.

1958-1968

- 3.8 There are no significant changes to the site or to the areas surrounding the site. The canal appear to have been infilled.

1982-1988

- 3.9 All features on site appear absent, with the exception of a single railway line in the north-west and a small building in the north. The majority of the railway sidings located north of the site are no longer present. A 'travelling crane' is present immediately south of the site. Residential dwellings located approximately 10 m east of the northern corner of the site are no longer present. The goods shed located some 50 m north-west of the site has been reduced in size. Five tanks are present some 60 m east of the site. A timber yard is present circa 100 m north-west of the site. The 'mineral yard' is no longer present and the area is now occupied by a large building marked as 'skill centre'. 'Halfway Bridge Industrial Estate' is present approximately 150 m south-west of the site.

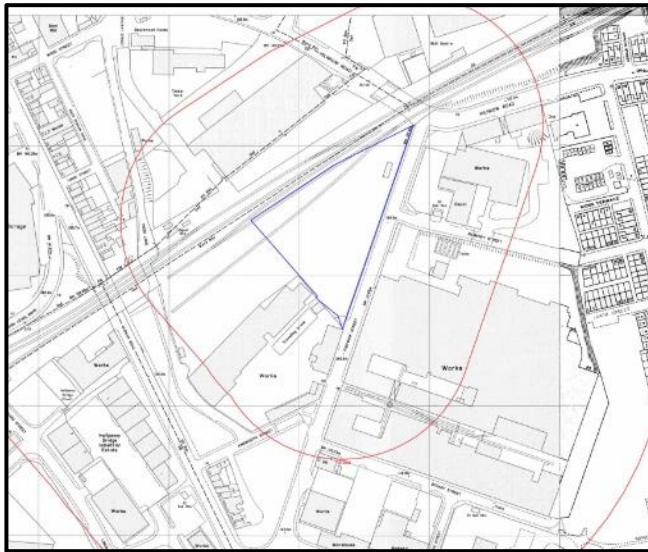


Figure 4: Extract from the 1983-1988 map

1993

- 3.10 All railway infrastructure is now absent from the site. A rectangular building is labelled as a 'depot' is present in the western corner of the site. The works located immediately south of the site is now labelled as a 'training centre'. A building is present some 10 m south of the site. Electricity substations are present approximately 15 m and 40 m east of the site. A change in configuration has occurred at the past goods shed located some 50 m north-west of the site. 12 new buildings are present circa 50 m north-west of the site.

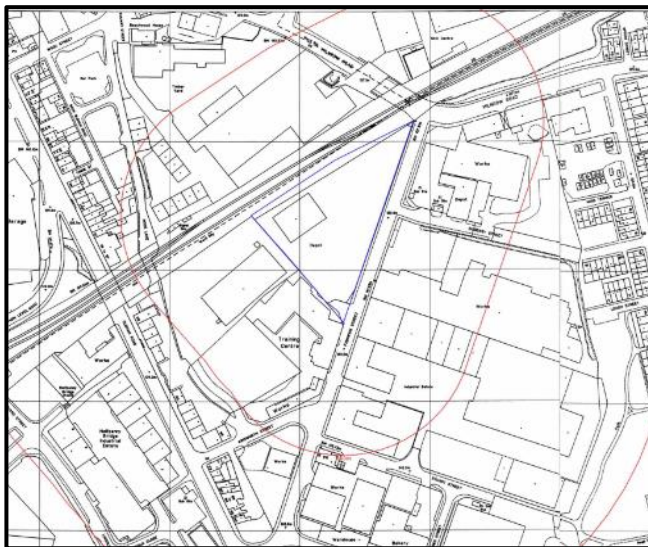


Figure 5: Extract from the 1993 map

2000-2012-2019

- 3.11 Google Earth Images show the site is overlain by hardstanding concrete and contains trucks, vehicles and trailers.

4. ENVIRONMENTAL SETTING

4.0.1 An Enviro+GeoInsight Report has been obtained from Groundsure and information provided in these reports has been used within this section. A copy of the report is presented in Appendix B.

4.1 Geology

4.1.1 The site geology is illustrated in the Enviro+GeoInsight Report which has sourced data from several sources including British Geological Society (BGS), BRITPITS database and the Coal Authority.

4.1.2 In addition, BEK has sought site investigation information from the BGS website. There is one published BGS exploratory record located on-site and 12 records located within 250 m of the site as seen in Figure below:

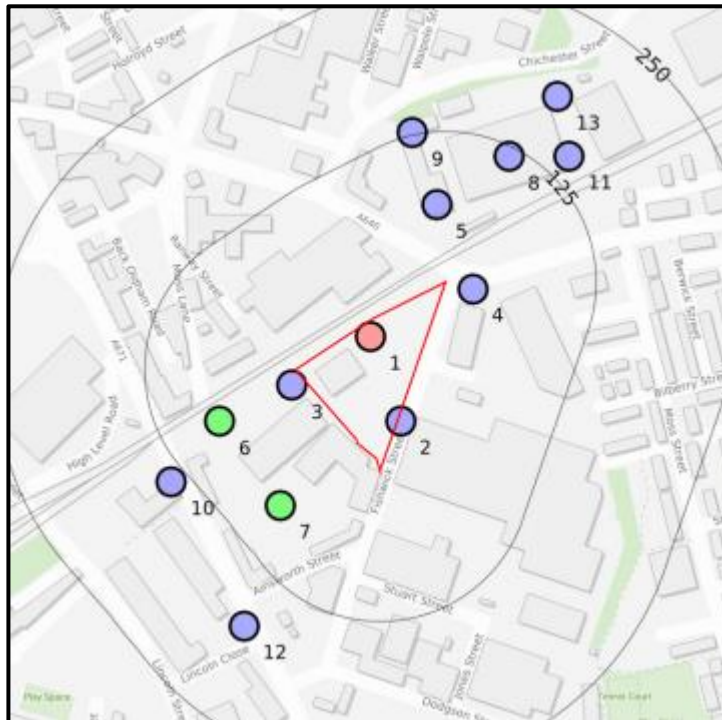


Figure 6: BGS Borehole Records

4.1.3 BEK has summarised the strata for the closest four boreholes, the details of which can be seen in Table 1 below:

Borehole Ref	Location	Depth (m)	Strata
SN13/118	On Site	0 – 1.5	MADE GROUND: Concrete/steel
		1.5 – 47.0	Sand and Gravel some Coal and Clay
		47.0 – 51.0	Clean Gravel
SD91SW9035-1280-193	3 m south-east	0 – 0.3	MADE GROUND: 150mm tarmac over setts
		0.3 – 0.5	MADE GROUND: 200mm reinforced concrete over black ash
		0.5 – 1.0	MADE GROUND: Black fused clinker
		1.0 – 2.0	MADE GROUND: Firm brown black sandy clay with some fine to coarse gravel
		2.0 – 4.0	Medium dense brown silty fine to medium SAND
		4.0 – 6.0	Medium dense brown silty fine to medium SAND with much fine to coarse gravel
SD91SW9026-1283-190	11 m west	0 – 0.8	MADE GROUND: Very loose ash and brick rubble
		0.8 – 1.3	MADE GROUND: Very loose brown silty fine to medium sand
		1.3 – 3.0	MADE GROUND: Brown and black slightly silty very sandy fine to coarse gravel of ash and cinder
		3.0 – 3.2	MADE GROUND: Soft black sandy clay with some fine to medium gravel of brick and cinder
		3.2 – 5.0	Medium dense, loose below 4.5 m brown silty fine to medium SAND with a little fine to medium gravel
SD91SW9041-1291-194	23 m north-east	0 – 0.2	TOPSOIL
		0.2 – 1.8	MADE GROUND: Loose dark brown silty fine to medium sand with much fine to coarse red brick
		1.8 – 3.0	Firm brown grey sandy CLAY with some fine to medium gravel
		3.0 – 6.0	Firm brown grey sandy CLAY with a little fine gravel with some sand lenses

Table 1: Summary of Strata for the Four Closest Boreholes to the Site

4.1.4 Copies of the BGS Borehole records are presented within Appendix C.

Made Ground

4.1.5 According to the Enviro+GeoInsight Report there two records of made ground (artificial deposits) located 29 m north-east and 173 m west of the site, associated with historic railway sidings.

4.1.6 Made ground within the on-site BGS borehole (SN13/118) was encountered to a depth of 1.5 m and comprised concrete/steel. Made ground within the off-site BGS boreholes was encountered to depths varying from 1.8 m (SD91SW9041-1291-194) to 3.2 m (SD91SW9026-1283-190).

Superficial Geology

4.1.7 The Enviro+GeoInsight Report indicates that the superficial geology underlying the site comprises Devensian Glaciofluvial Deposits described as ‘sand and gravel’. This strata generally has high to very high permeability.

4.1.8 Superficial geology encountered within the on-site BGS borehole (SN13/118) comprised sands and gravels with occasional coal and clay. Superficial geology encountered within the off-site BGS boreholes generally comprised sands and gravels with occasional clays.

Bedrock

- 4.1.9 The Enviro+GeoInsight Report indicates that the underlying solid geology comprises the 'Pennine Lower Coal Measures Formation - Mudstone, Siltstone and Sandstone'. This strata generally has a low to moderate permeability.
- 4.1.10 Bedrock was not encountered within any BGS boreholes.

Faults/Linear Features

- 4.1.11 There is an inferred fault located 62 m north of the site.

4.2 Mining & Ground Stability

- 4.2.1 Information in the Enviro+GeoInsight Report indicates that the site is located in an area which could have been affected by coal mining. Following a review of the Coal Authority interactive map viewer it can be seen that the site is not located within a Coal Authority 'Development High Risk Area'. There are also no workings associated with mine activity present within 250 m of the site. As a result, BEK does not consider the risks from subsidence from historical coal mining activity to be in need of further consideration.
- 4.2.2 The Enviro+GeoInsight Report indicates that there are 14 records of surface ground workings located within 250 m of the site, the closest of which refers to a 'pond' located 48 m north-east of the site. These are unlikely to impact on the site.
- 4.2.3 The Enviro+GeoInsight Report provides hazard ratings associated with ground subsidence at the site, as summarised below:

Shrink-Swell Clay:	Negligible
Landslides:	Very Low
Dissolution of Soluble Rocks:	Very Low
Compressible Deposits:	Negligible
Collapsible Deposits:	Very Low
Running Sands:	Very Low

- 4.2.4 It can be seen from the above that the site is unlikely to be affected by natural ground instability issues.

4.3 Hydrogeology

- 4.3.1 The superficial Glaciofluvial Deposits underlying the site are classified by the Environment Agency as 'Secondary A' aquifer described as 'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.



- 4.3.2 The underlying bedrock is classified as a 'Secondary A' aquifer.
- 4.3.3 The Enviro+GeoInsight Report indicates the site is not located within a groundwater source protection zone.
- 4.3.4 There are no groundwater or surface water abstractions located within 250 m of the site.
- 4.3.5 The site is considered to be at moderate risk from groundwater flooding.

4.4 Hydrology

- 4.4.1 There are no surface water features located within 250 m of the site.
- 4.4.2 There are six registered licensed discharge consents located within 250 m of the site, the closest of which refers to a sewer storm overflow consent located 112 m north-east of the site.
- 4.4.3 The Enviro+GeoInsight Report indicates the site is not located within an EA designated Flood Zone.

4.5 Contaminated Land & Landfill Activities

- 4.5.1 Information provided in the Enviro+GeoInsight Report indicates that there are four historic landfill sites located within 250 m of the site as summarised in the table below:

Location	Waste Type	Details
48 m south-west	Inert, industrial and commercial	Rochdale Timber Company
181 m north	Not Specified	Refuse Tip
198 m north-east	Not Specified	Refuse Tip
224 m north-east	Not Specified	Refuse Tip

Table 2: Historical Landfill Sites located within 250 m of the site

- 4.5.2 There is a historical waste site located 220 m north-east of the site described as a 'biowaste transfer station'.
- 4.5.3 There are five licensed waste sites within 250 m of the site, the closest of which is located 176 m north-east of the site described as a 'household commercial and industrial waste transfer station'.
- 4.5.4 There are 19 waste exemptions located within 250 m of the site, the closest of which is located 131 m south-west and refers to the storage of non-agricultural waste in a secure place. These are unlikely to impact on the site.
- 4.5.5 There is one current COMAH site located 165 m south of the site at Quat-Chem Limited. There are no NIHS records located within 250 m of the site.

- 4.5.6 There are no Part A(2) or IPCC Authorised Activities located within 250 m of the site, however there are multiple recorded Part A(1) and Part B installations within 250 m. These are summarised in Table 3 below.

Location	Permit Type	Status	Process
On Site	Part B	Current	Use of bulk cement
46 m north-west	Part B	Current	Coating processes
114 m north-east	Part B	Current	Resin Processes
199 m south-east	Part A(1)	Current	Organic chemicals
205 m south-east	Part A(1)	Current	Organic chemicals
211 m north	Part B	Current	Manufacture of Fibre
215 m north	Part B	Historical	Coating processes

Table 3: Part A(1) and Part B installations located within 250 m of the site

- 4.5.7 There is an EA recorded pollution incident located 171 m south which refers to construction and demolition waste. This is unlikely to impact on the site.
- 4.5.8 There are 28 records of historical garages located within 250 m of the site, the closest of which is located 156 m west of the site.
- 4.5.9 There are ten historical energy features located within 50 m of the site, the closest of which is located 15 m east of the site.
- 4.5.10 The Enviro+GeoInsight Report states there are 24 historical potentially contaminative land uses for the site. All refer to historic railway activities.
- 4.5.11 The Enviro+GeoInsight Report states that there is one current potentially land use for the site, described as 'Water Towers'. The closest off site potentially contaminative land use is a vehicle repair, testing and servicing located 13 m south of the site.

4.6 Sensitive Land Uses

- 4.6.1 The site is not affected by any of the ecological systems identified as a statutory receptor in the DETR Circular 01/2006.

4.7 Radon

- 4.7.1 The Enviro & GeoInsight Report states that the property is not in a Radon Affected Area as less than 1% of properties are above the Action Level. Therefore, no radon protective measures are necessary.



GEO-ENVIRONMENTAL CONSULTING

4.8 Unexploded Ordnance

- 4.8.1 The regional unexploded bomb risk map from Zetica indicates that the site is located in an area considered to be at LOW risk from Unexploded Ordnance (UXO) resulting from the Second World War.
- 4.8.2 BEK does not consider any further assessment to be required with respect to UXO.

5. POTENTIAL POLLUTANT LINKAGES

5.1 General

5.1.1 This section identifies the potential contaminants of concern, sources, pathways and receptors that may be associated with the site based on its known history and the current condition and with respect to the re-development of the site for commercial use.

5.1.2 This information is used to develop a conceptual model which is a qualitative description of potential sources of environmental pollutants, the pathways by which they are transported and the receptors:

- i) Potential sources of contamination: these include any actual or potentially contaminating materials and activities, located either on or in the vicinity of the site
- ii) Potential pathways for contamination migration: these comprise the routes or mechanisms by which contaminants may migrate from the source to the receptor including environmental migration pathways and human health exposure pathways
- iii) Potential receptors of contamination: these include future land users, ecological systems, water resources and property.

5.2 Potential Contaminants of Concern

5.2.1 Based on historical maps dating back to 1851, the site and surrounding area has been heavily associated with industrial activity and railway infrastructure from the late 19th century to late 20th century. Infrastructure including railway sidings, a goods station, a goods shed, and numerous smaller outbuildings have been present on site. All railway infrastructure was noted to be absent from site circa 1993 and the site was labelled a 'depot'. The present-day site is occupied by Steadplan Limited for the purpose of vehicle maintenance, vehicle storage and sales. These land uses represent potential sources of contamination.

5.2.2 Given the history of development and railway infrastructure at the site it is considered likely that made ground is present. Information on the various activities and contaminants of concern associated with railway sidings are provided in the Department of Environment (DoE) Industry Profile for 'Railway' and are summarised below:

- Railway lines are constructed on a layer of crushed or broken rock (ballast) that provided a level formation to support the track. Ash ballast (possibly containing heavy metals, phenols, sulphates and polycyclic aromatic hydrocarbons (PAHs)) would be found in sidings complexes such as the site.

- Fuel oils, lubricating oils and greases may cause localised contamination of ballast and of areas where locomotives and multiple units have stood for significant periods of time.
- Tracks and the immediate trackside margins may be subject to the accumulation of contamination through spillages and leaks or materials stored or used at infrastructure engineering works eg fuel oil, lubricating oils and solvents.

5.2.3 The site's current use as a vehicle maintenance could have also impacted the underlying soils with contamination through spillages and leaks or materials stored such as fuel, oil, lubricating oils and solvents. However, given that the site is covered with concrete hardstanding, this would minimise the impact underlying ground.

5.2.4 BGS boreholes located on and within close proximity to the site describe made ground at the surface to depths ranging from 1.5 m to 3.2 m.

5.2.5 Based on the above, significant made ground is considered to be present across the site. The nature, source and extent of any made ground is currently unknown and could contain contaminants of concern.

5.2.6 The potential contaminants associated with made ground and the historic use of the site are presented below:

Contaminants Associated General Made Ground	
Arsenic	Zinc
Cadmium	Sulphate
Chromium	Cyanide
Copper	Phenols
Lead	Polycyclic Aromatic Hydrocarbons (PAHs)
Mercury	Total Petroleum Hydrocarbons (TPHCWG)
Nickel	Asbestos
Selenium	pH
Additional Contaminants Associated with Former Infrastructure	
Speciated Petroleum Hydrocarbons (TPH-CWG)	
MTBE	
BTEX Compounds	
Polychlorinated Biphenyls (PCBs)	

Table 4: Potential Contaminants of Concern

5.2.7 It should be noted that the above list represents a broad range of potential contaminants of concern. Additional contaminants of concern may be present if ground conditions differ from those anticipated.



- 5.2.8 Based on the available background information potential risks from ground gas are considered to be present, associated with a large area of recorded made ground to the north of the site, as well as the potential for a significant thickness of made ground to be present on site.

5.3 Potential Pathways

- 5.3.1 The pathways through which contaminants may reach receptors are in part dependent by the nature and behaviour of the contaminant and the intended end use of the site.

- 5.3.2 The following potential pathways have been identified with respect to the existing site condition, the environmental setting and the proposed development. These areas are all assessed in the conceptual model:

- Inhalation of contaminative dust including asbestos fibres (groundworkers only)
- Dermal contact (groundworkers only)
- Indoor Inhalation of ground gas and/or organic vapours
- Dissolution or suspension (leaching) of contaminants from site soils leading to contamination of groundwater
- Dissolution or suspension (leaching) of contaminants from site soils leading to lateral migration within perched waters to off-site receptors. Potential significant pathways include more permeable layers within the made ground/natural strata, underground services and piles/foundations.
- Contamination affecting the integrity of service pipelines by direct contact
- Buildings affected by direct contact with elevated concentrations of sulphate and/or extreme pH.

5.4 Receptors

- 5.4.1 Potential site specific receptors that may be affected by contamination at the site are listed below:

Future Site Users

- 5.4.2 Future users of the site could be at risk from indoor inhalation of ground gas or vapours.
- 5.4.3 Given the absence of landscaped areas at the site, there will be no direct exposure pathway to the shallow ground for future occupants/users of the site, as the site will be covered by building footprint or hardstanding.

Construction Workers

- 5.4.4 The primary risks to construction workers are associated with shallow excavations and inhalation/ingestion of contaminated dust, or dermal contact with contaminants.
- 5.4.5 Standard personal protective equipment and site-specific risk assessments and method statements should reduce risks associated with all contaminants of concern due to short exposure duration.

Off Site Receptors

- 5.4.6 Off site receptors include nearby business users and business owners. Human health could be at risk if asbestos fibres are released during the re-development.

Flora

- 5.4.7 Heavy metals can be phytotoxic and if present can represent a potential risk to flora in any landscaped areas.

Buildings & Services

- 5.4.8 The integrity of service pipes can be affected by concentrations of organic contamination.
- 5.4.9 Risks to buildings (concrete) can occur due to elevated concentrations of sulphate in the shallow ground and extreme pH. Risks to the integrity of service pipes can occur due to elevated concentrations of specific organic contamination.

Controlled Waters

- 5.4.10 There are no surface water features located on or within 250 m of the site.
- 5.4.11 The superficial strata and bedrock are both classified as a Secondary A Aquifers and are therefore considered sensitive receptors.
- 5.4.12 It is a possibility that the superficial aquifer and the bedrock aquifer are in hydraulic continuity which would provide a pathway for surface contamination to impact on aquifer quality.

5.5 Preliminary Conceptual Model

- 5.5.1 The identified potential sources of contaminants, pathways and receptors have been assessed to establish plausible pollutant linkages. All potentially significant pollutant linkages are detailed in Table B, in Appendix D.



5.6 Potentially Significant Pollutant Linkages

- 5.6.1 A number of possible 'significant pollutant linkages' have been identified associated with the site.
- 5.6.2 There is the possibility that direct contact with contaminated soils during earthworks could lead to dermal contact/ingestion by people on site (**Link 1**).
- 5.6.3 There is the possibility of windblown particulates released during earthworks could be inhaled by people both on site and off site (**Link 2**).
- 5.6.4 Human health could be at risk by the inhalation of ground gases (**Link 3**) or volatile contamination migrating into properties on and off site (**Link 4**).
- 5.6.5 Property (including structures and services) could be affected by direct contact to high concentrations of contaminants of concern (**Link 5**).
- 5.6.6 Property (including structures) could be affected by the build-up of ground gases (**Link 6**).
- 5.6.7 Dissolution or suspension (leaching) of contaminants from site soils leading to impact on the underlying aquifers (**Link 7**).
- 5.6.8 Site investigation is required to identify site specific conditions and assess the risks associated with each identified plausible pollutant linkage.



6. RECOMMENDATIONS

- 6.1 Based on the findings of the Preliminary Risk Assessment herein, a number of potential risks associated with contamination have been identified with respect to the proposed commercial development.
- 6.2 Risks have been identified to human health, property (including concrete and services) and controlled waters. Site investigation is required to determine shallow ground conditions and quantify the potential risks identified.
- 6.3 Site investigation is also recommended to assess ground conditions to provide recommendations for foundation design.
- 6.4 BEK recommends that the following works should be undertaken:

Site Investigation

- 6.5 The investigation should comprise the drilling of a series of window sample boreholes to characterise the shallow ground conditions across the site. The investigation should provide widespread information for the ground conditions across the site, to prove the nature and thickness of any made ground present, and characterise the underlying natural strata.
- 6.6 In-situ strength tests (SPTs) could also be carried out during the site investigation works (depending on ground conditions) to provide additional geotechnical information.
- 6.7 Gas and groundwater monitoring probes should be installed within 3 selected boreholes to facilitate a gas risk assessment and assess groundwater levels.
- 6.8 The site investigation should be supervised by an experienced engineer who will be responsible for recording ground conditions encountered.
- 6.9 The engineer will recover representative samples for laboratory testing. All samples recovered for chemical testing will be stored in appropriate sampling vessels in a pre-cooled cool box and dispatched to the laboratory within 24 hours.

Environmental Monitoring

- 6.10 To comply with current guidance, the gas monitoring probes should be monitored on 6 occasions over a 3 month period, to comply with current guidance. Monitoring should include gas flow rates, carbon dioxide, methane and oxygen concentrations, barometric pressure and water levels. Monitoring should be undertaken during periods of low or falling barometric pressure where possible.



Laboratory Testing

- 6.11 Following a review of the ground conditions encountered, a selection of samples will be tested for the contaminants of concern listed in Table 4 of this report. If visual or olfactory evidence of contamination is encountered during the site investigation then it may be necessary to undertake additional testing.
- 6.12 In addition, if soils or made ground materials are to be removed from site to facilitate the development works then it may be necessary to test soils/made ground for Waste Acceptance Criteria (WAC) and/or for Waste Duty of Care purposes.
- 6.13 Depending on ground conditions encountered, samples may also be tested for geotechnical properties to inform foundation design.
- 6.14 All testing will be carried out by a UKAS accredited laboratory to MCERTS standard (where applicable).

Risk Assessment

- 6.15 The investigation findings will be assessed as part of a quantitative risk assessment to amend the conceptual site model and identify any potential significant pollutant linkages and provide recommendations for foundation design.
- 6.16 The assessment will be undertaken in accordance with current UK guidance and policy.

Reporting

- 6.17 The investigation findings should be assessed in accordance with current UK policy and guidance to identify any potential significant pollutant linkages and determine the requirements for mitigation and/or remediation.
- 6.18 The works undertaken will be detailed in a Site Investigation & Ground Assessment report along with full justifications for the assessment and the conclusions/recommendations.

Other Considerations

- 6.19 We would also recommend that consideration is given to the requirements of the water supply service provider and the completion of the UKWIR risk assessment for water pipe selection.
- 6.20 As an alternative to gas monitoring, gas measures which adhere to Characteristic Situation 2 of CIRIA 665 should be installed in the footprint of the new build to mitigate against any risks from ground gas.

APPENDIX A

Historical OS Maps

Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series

Map date: 1851

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised N/A
Edition 1851
Copyright N/A
Levelled N/A

Surveyed 1847
Revised N/A
Edition 1851
Copyright N/A
Levelled N/A

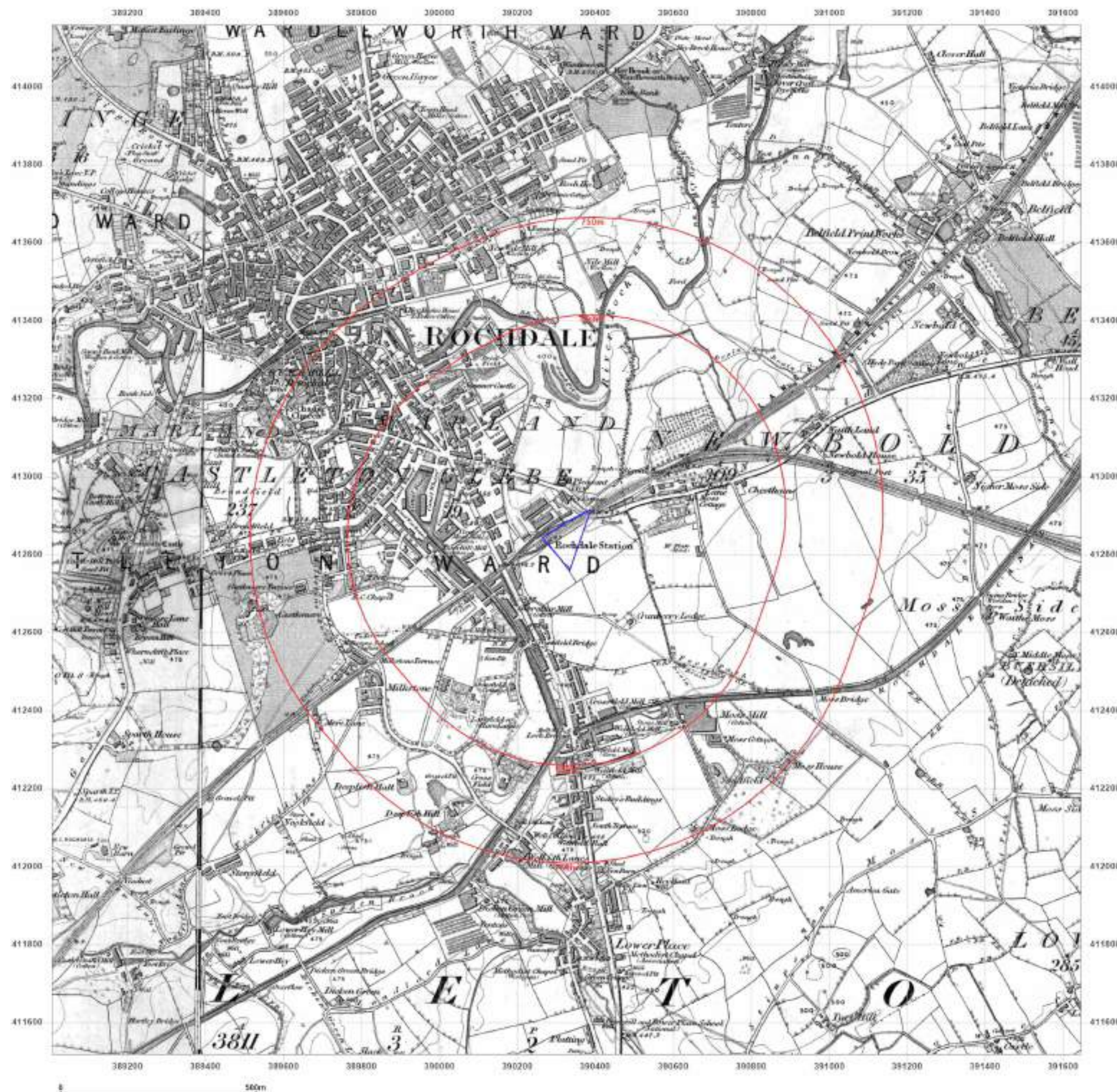


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series

Map date: 1890-1891

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1890
Revised 1890
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
Levelled N/A

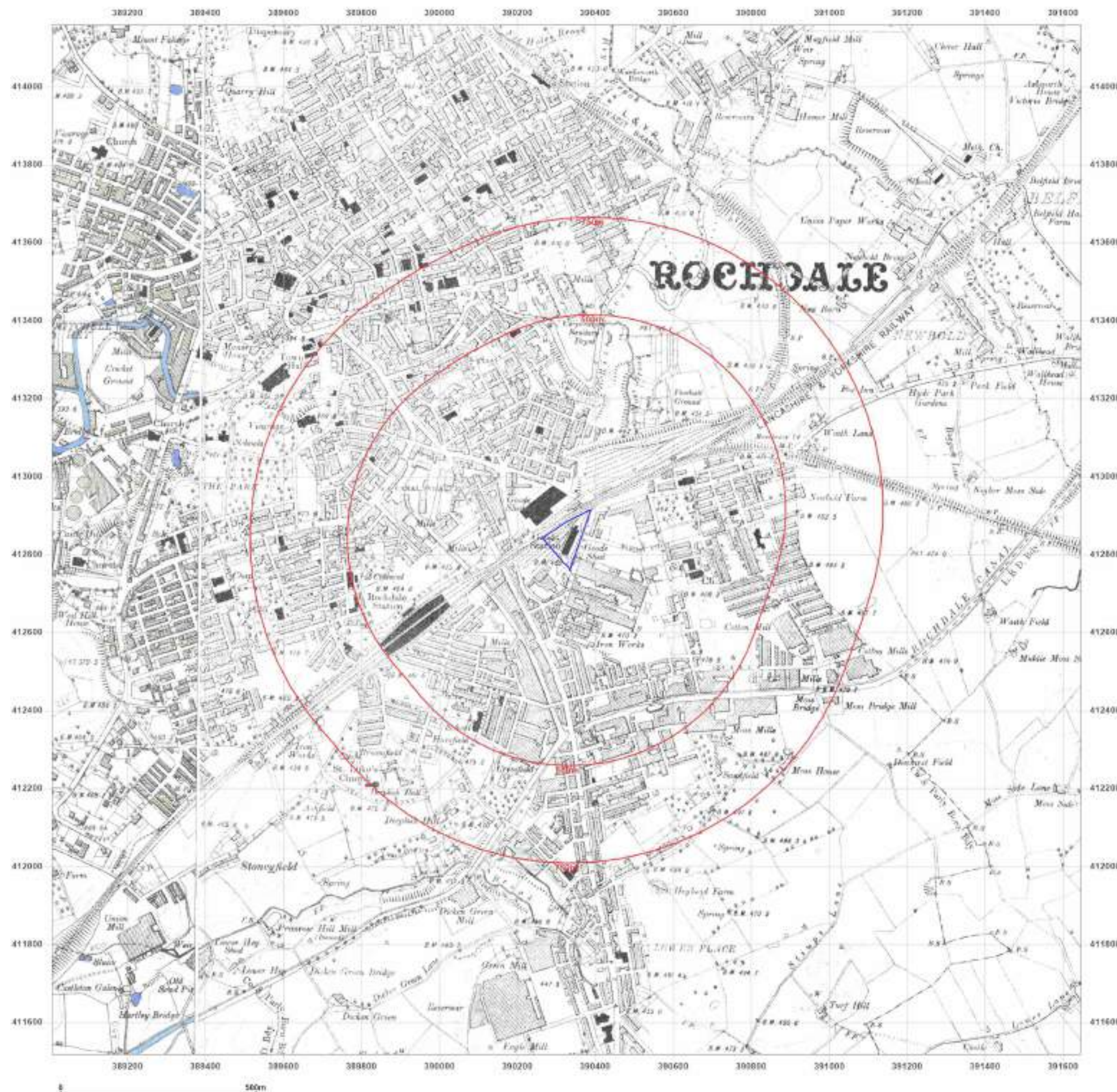


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series

Map date: 1908

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

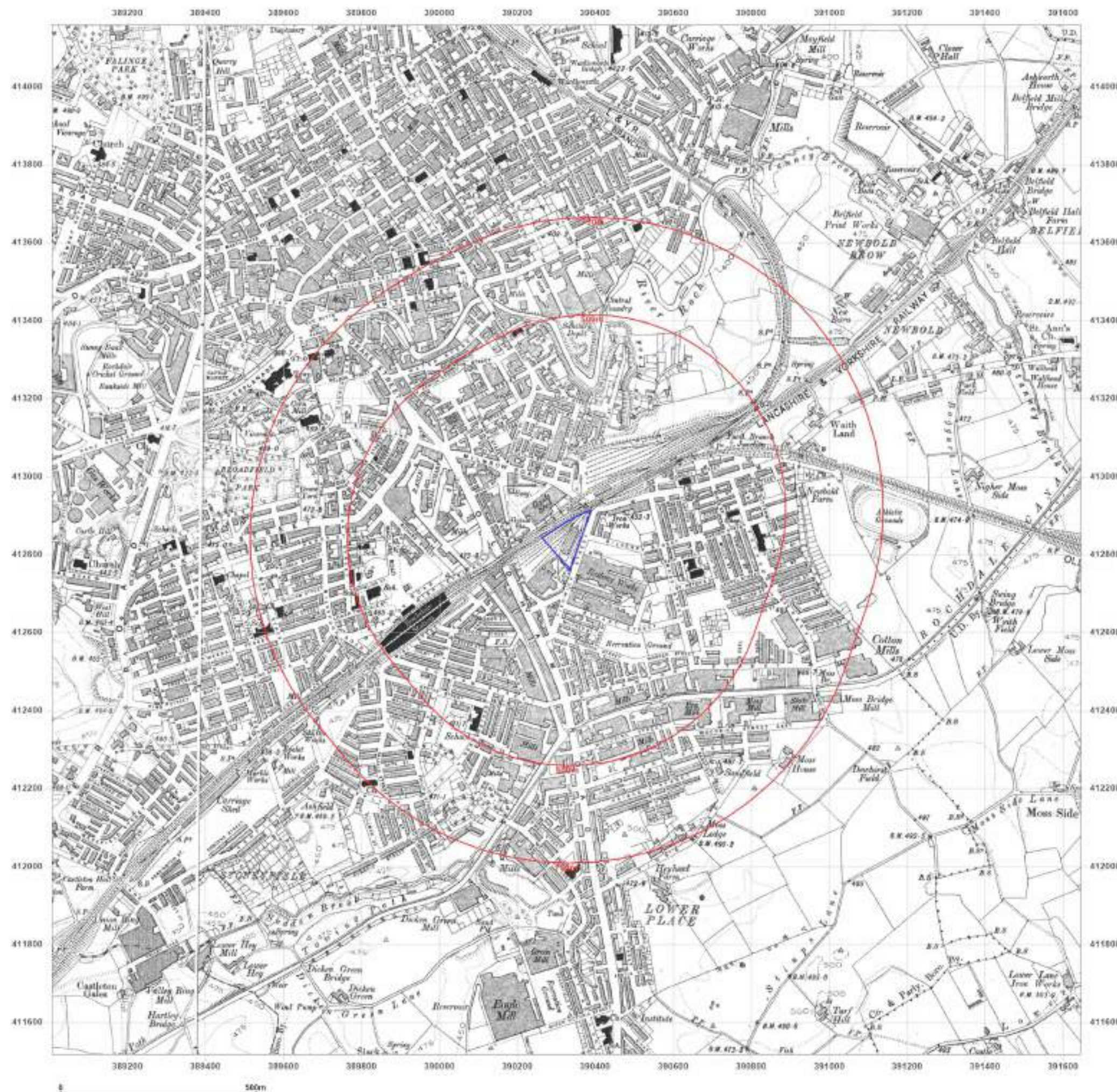


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series

Map date: 1928

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1928
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1928
Edition N/A
Copyright N/A
Levelled N/A

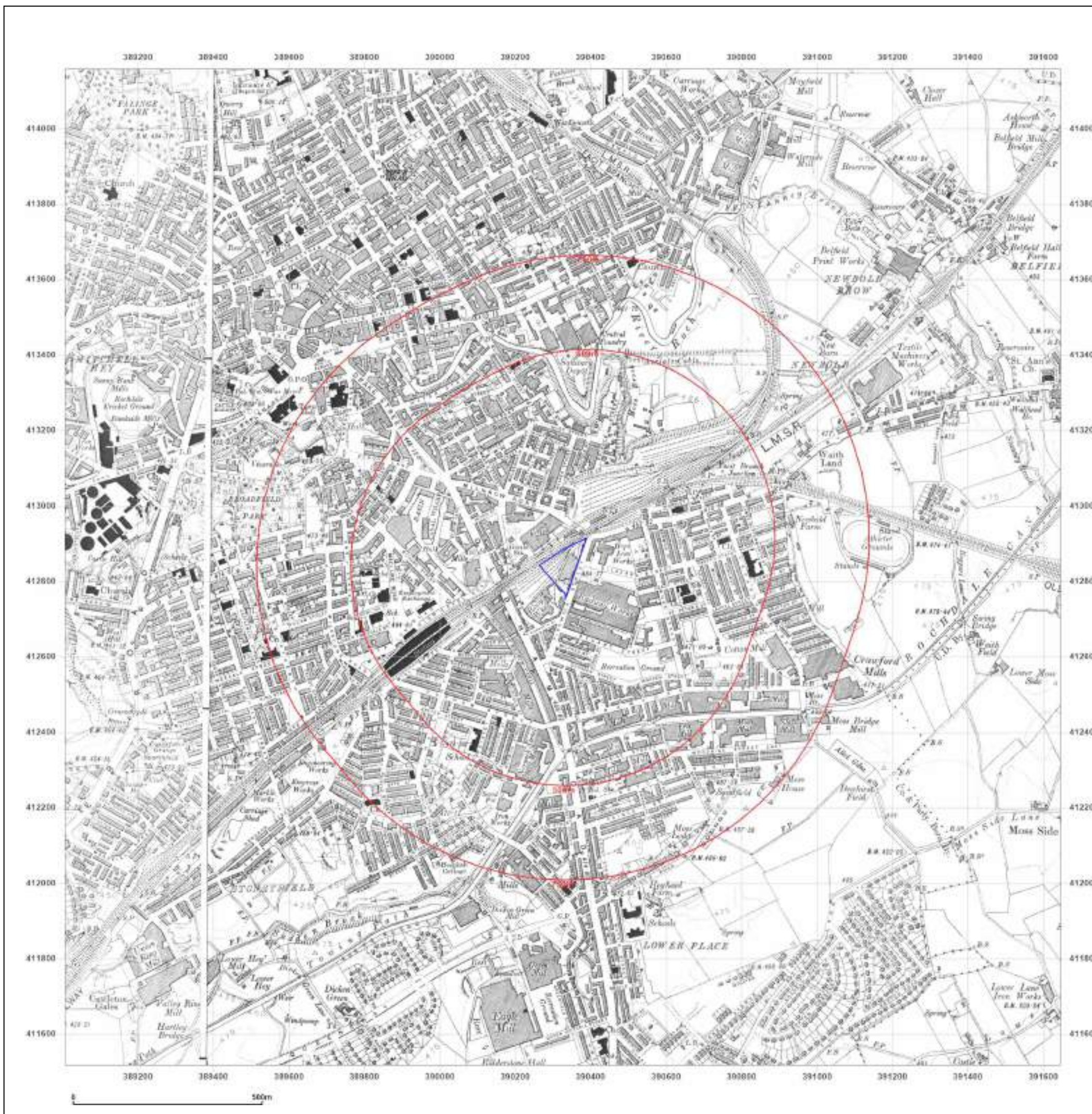


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

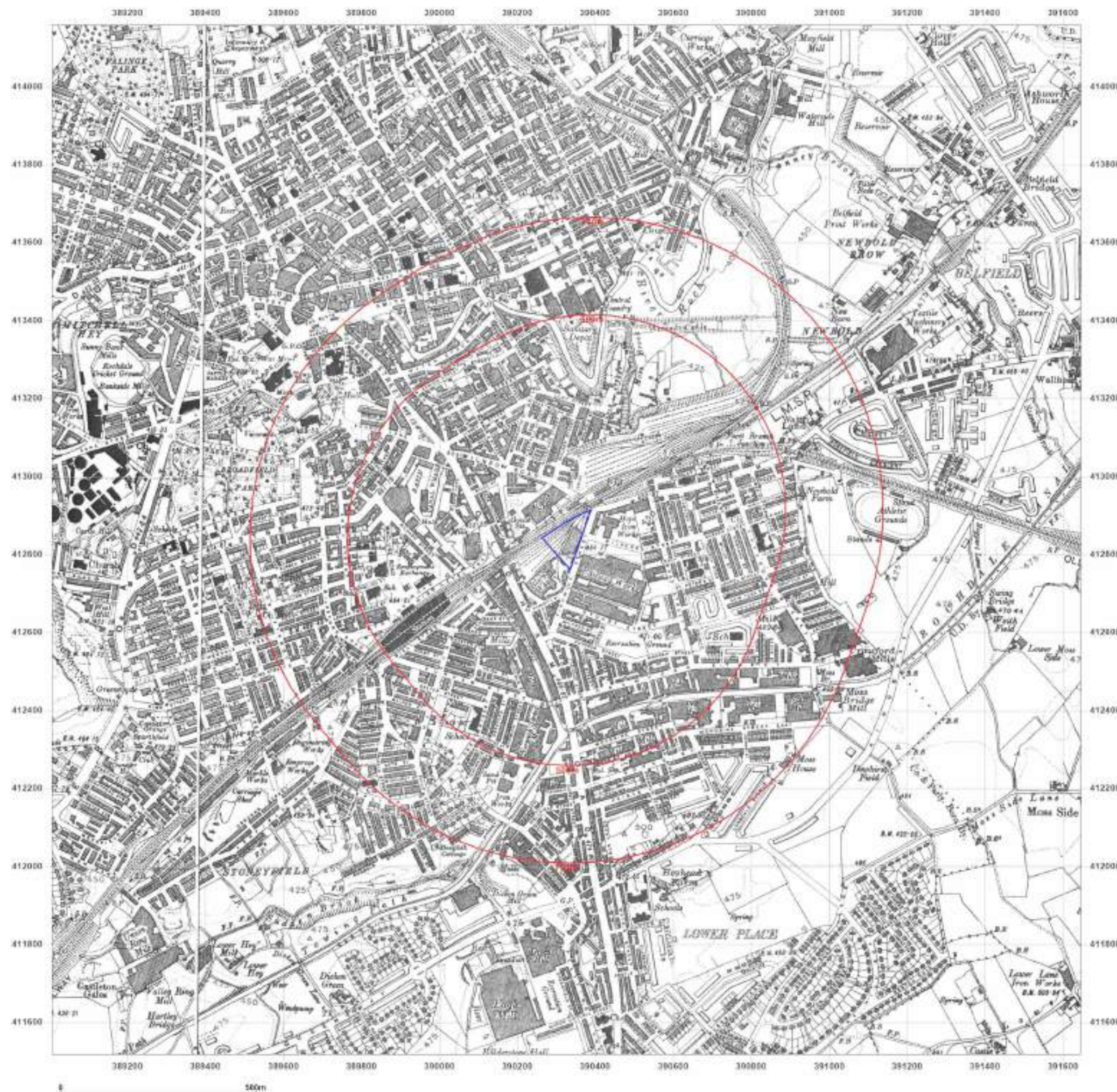


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: Provisional

Map date: 1954-1956

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1955
Edition 1956
Copyright N/A
Levelled N/A

Surveyed 1954
Revised 1954
Edition N/A
Copyright N/A
Levelled N/A

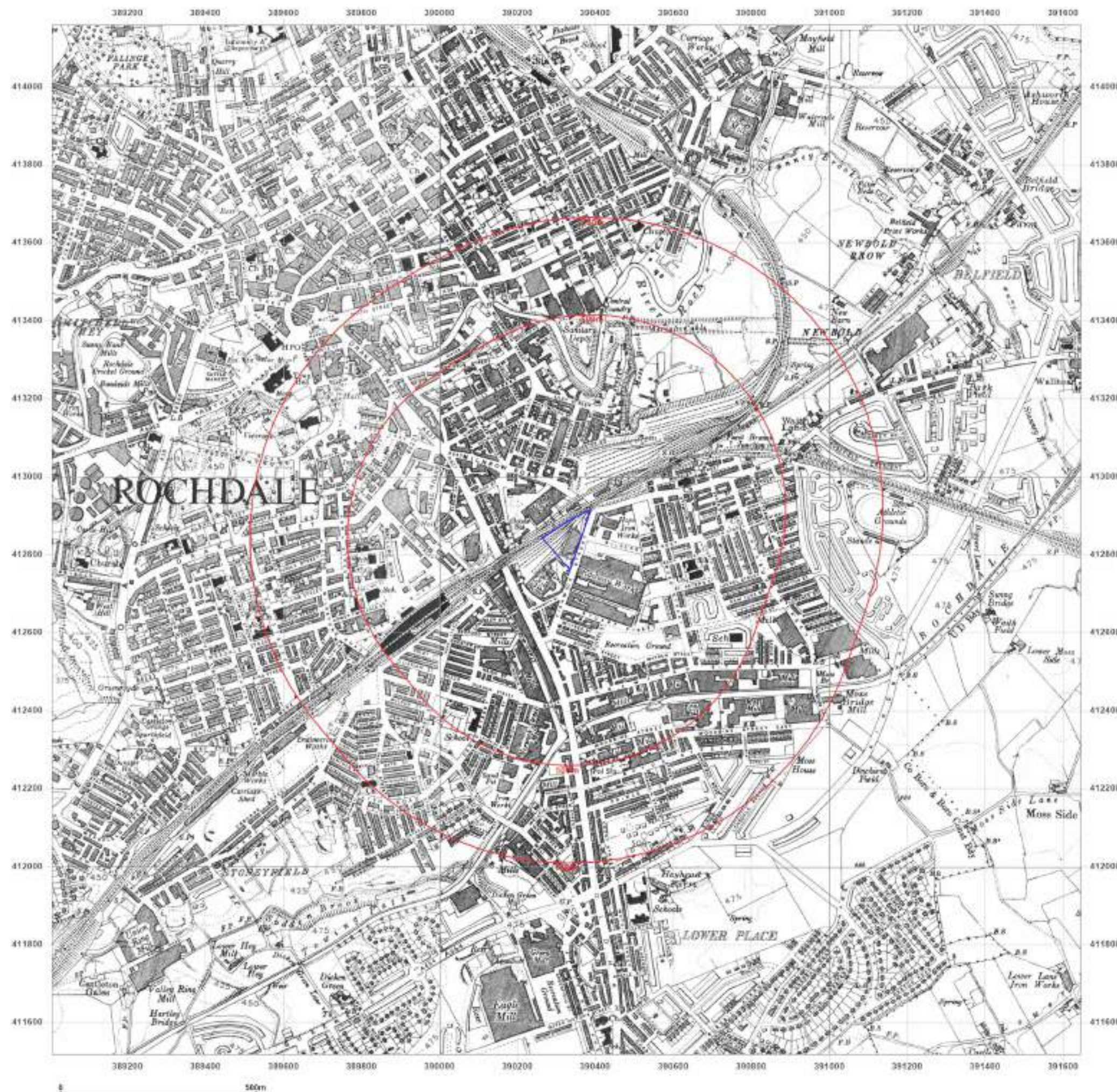


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: Provisional

Map date: 1967-1968

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

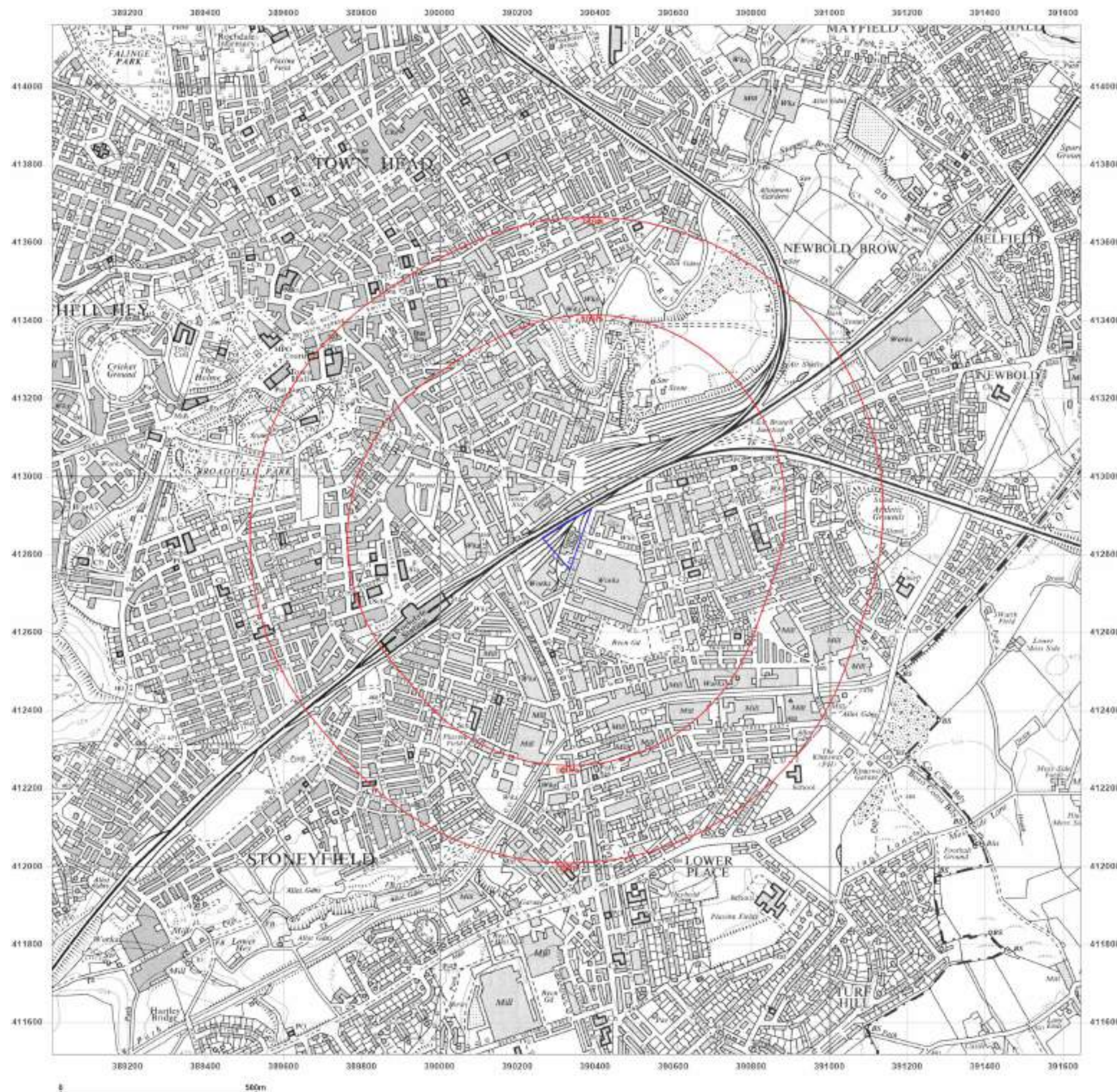


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1975-1976

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
Revised 1975
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1976
Revised 1976
Edition N/A
Copyright N/A
Levelled N/A

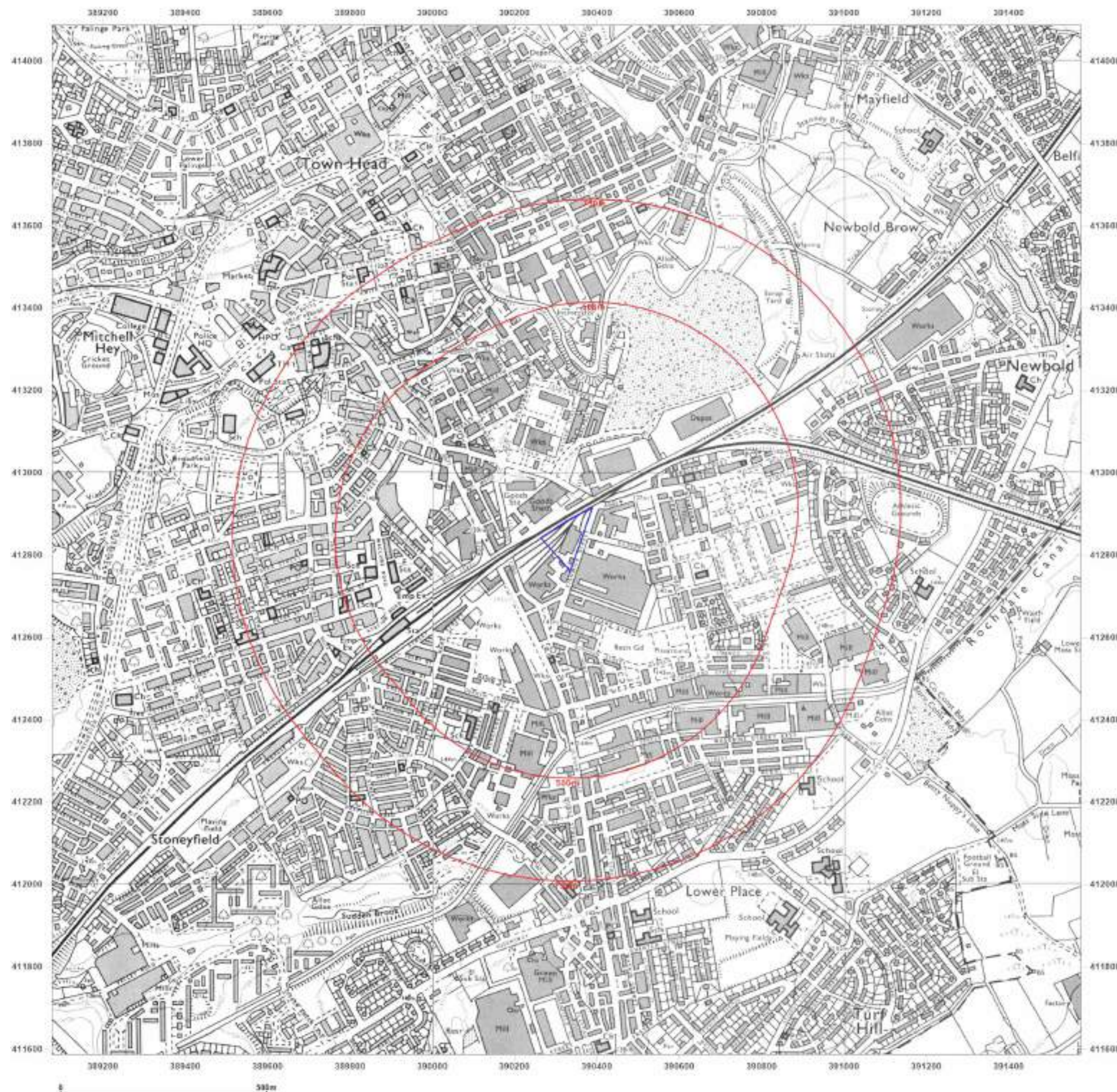


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1987

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
Revised 1987
Edition N/A
Copyright N/A
Levelled N/A

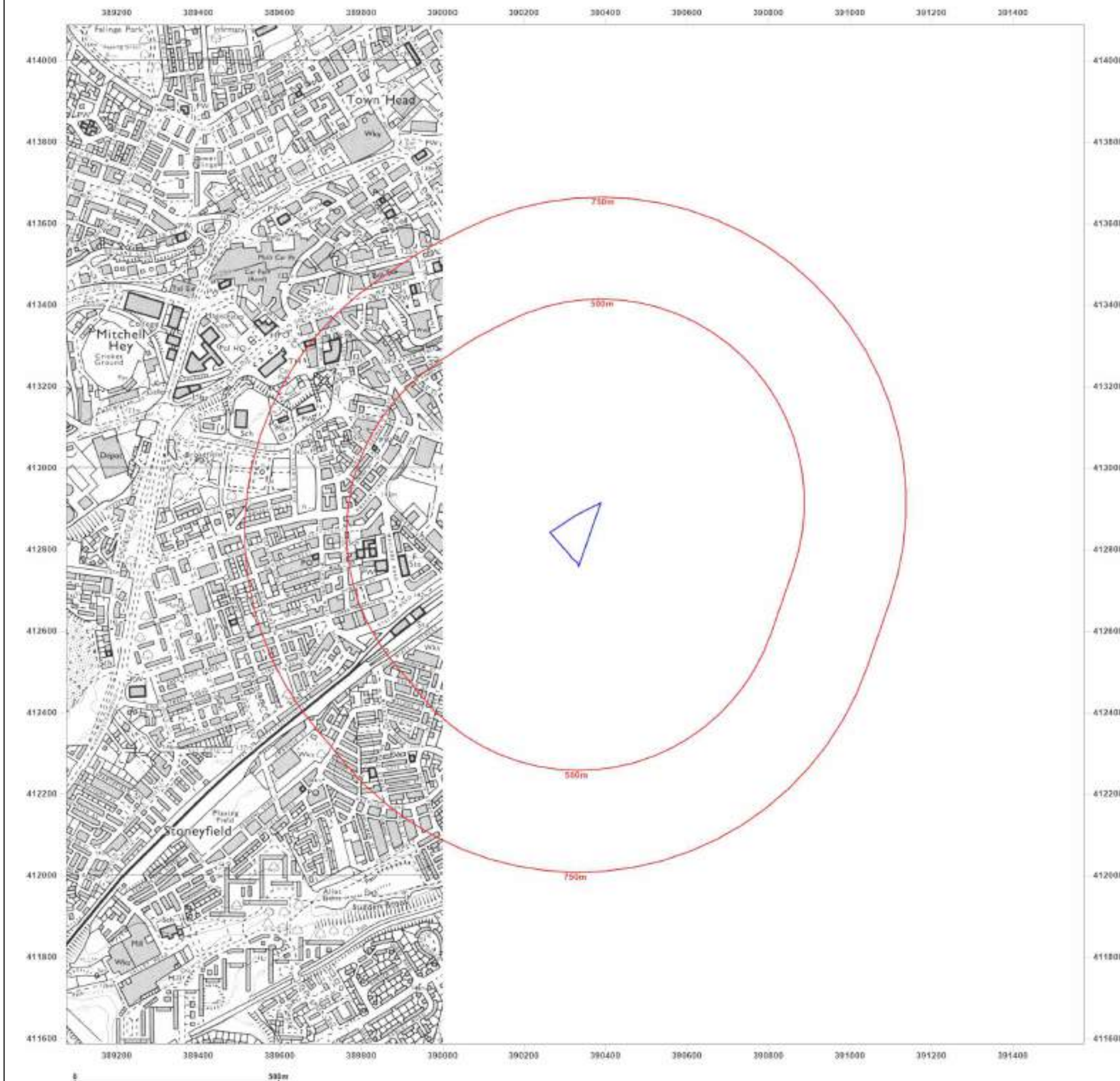


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

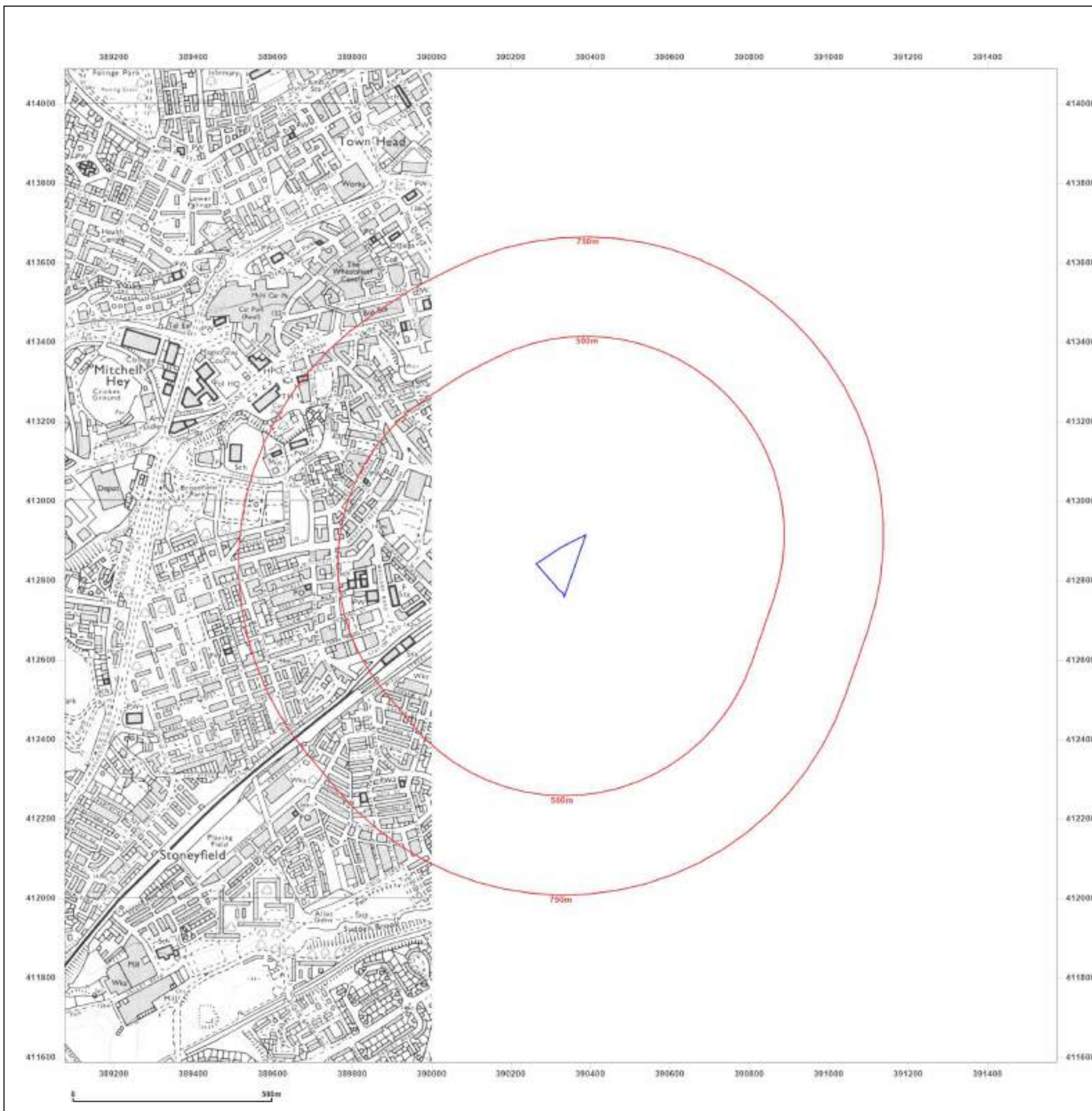


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

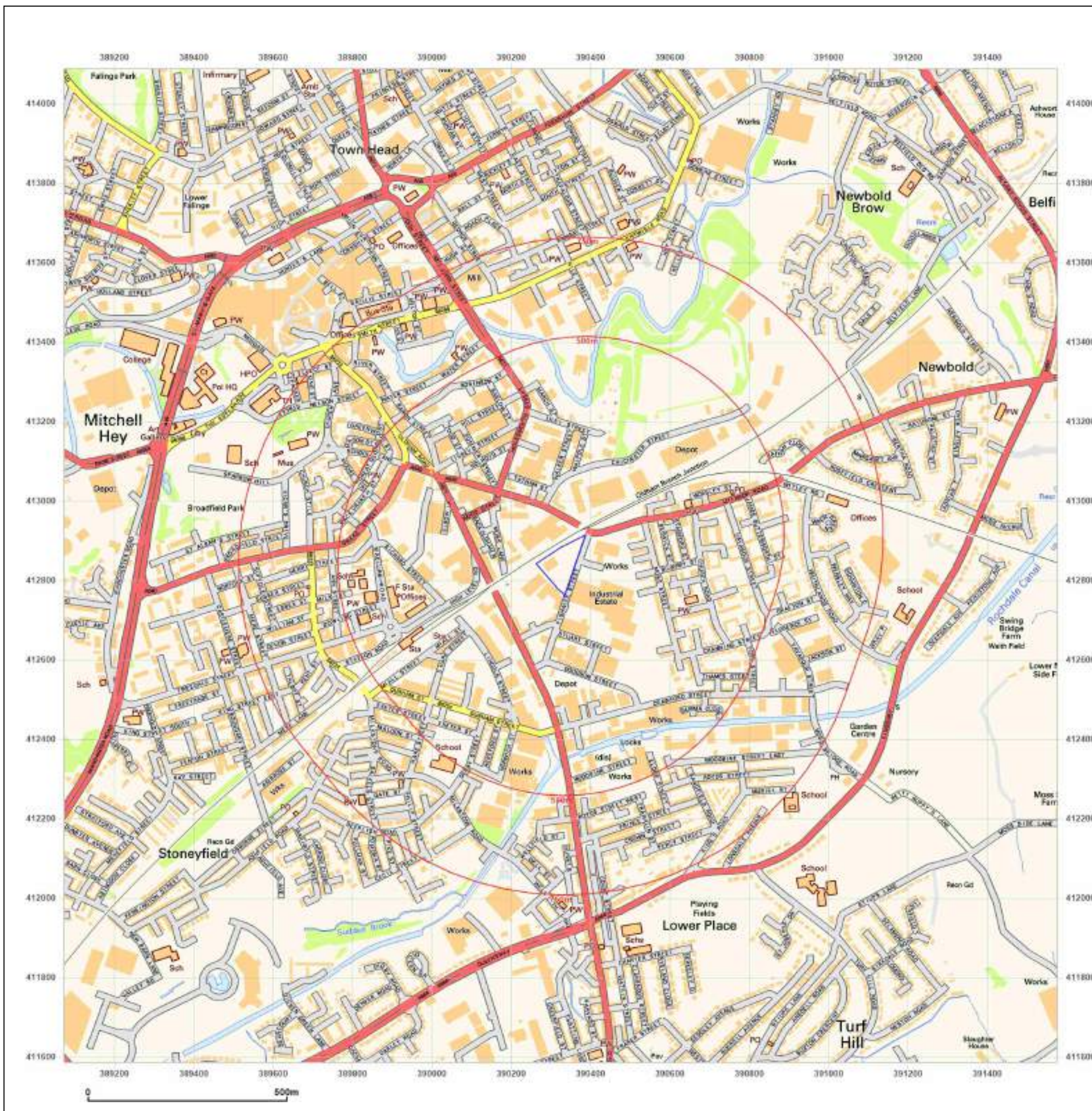


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

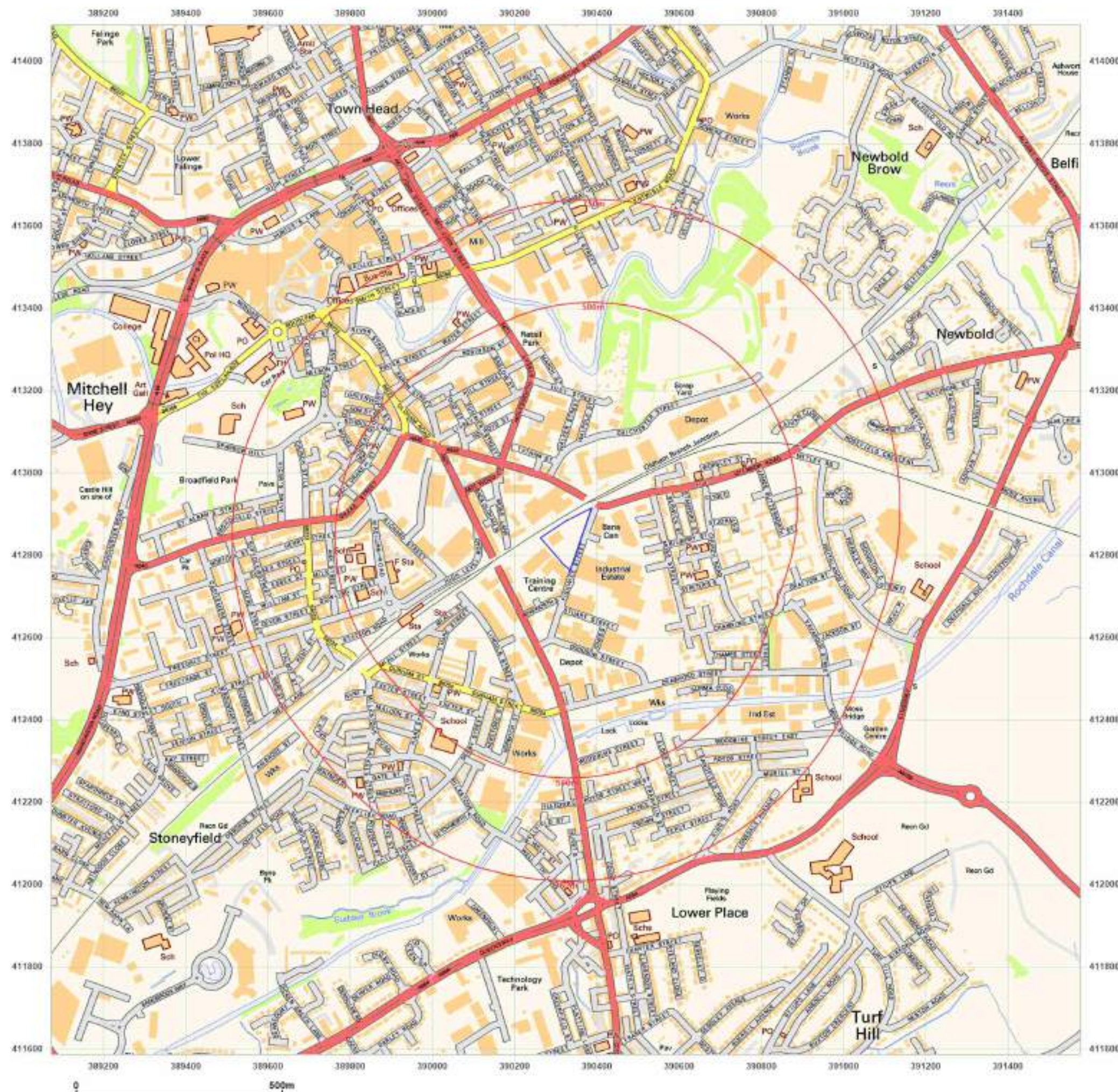


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000

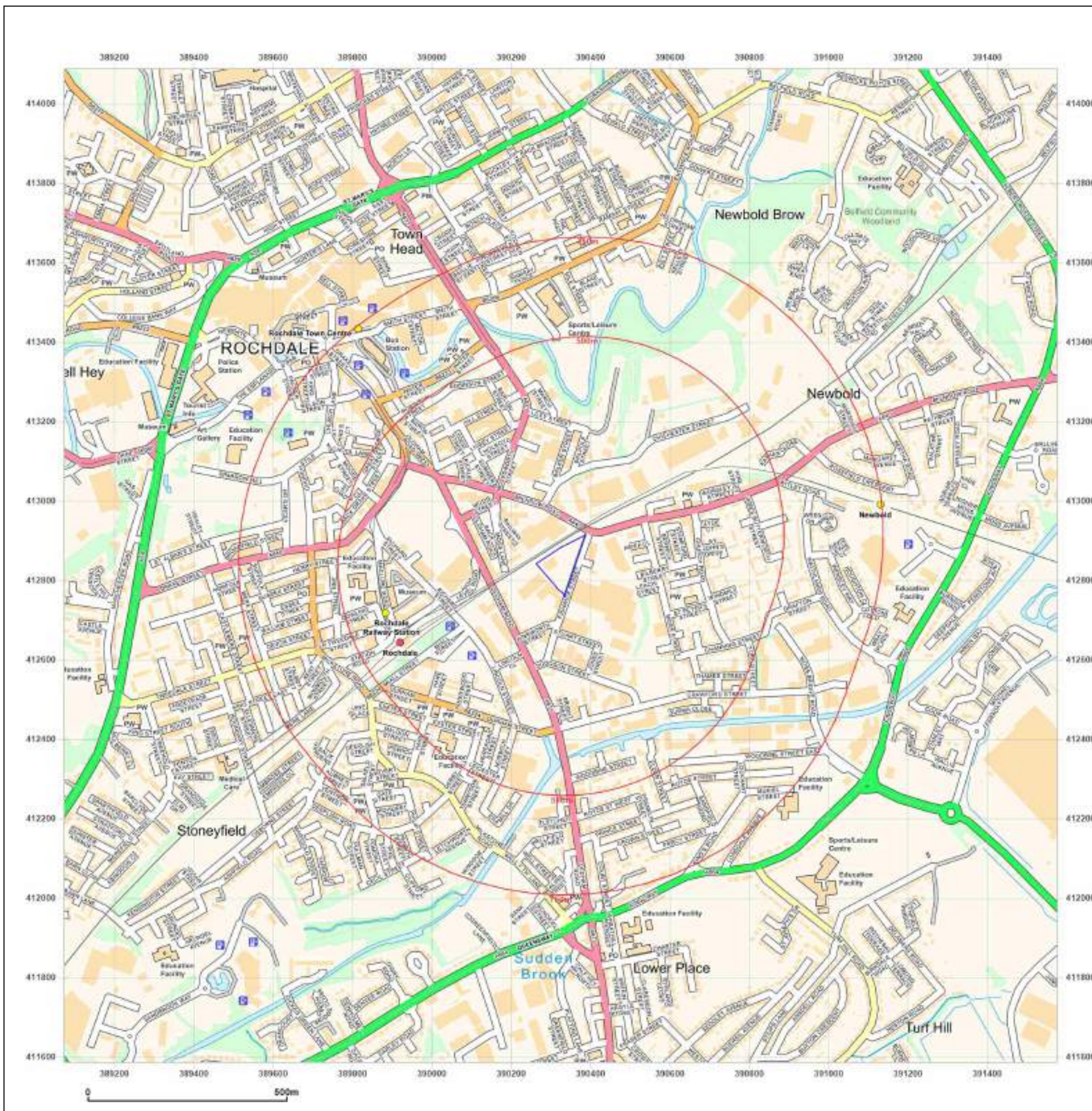


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: 1056 Scale Town Plan

Map date: 1851

Scale: 1:1,056

Printed at: 1:1,056



Surveyed 1848
Revised N/A
Edition 1851
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series Town Plan

Map date: 1892

Scale: 1:500

Printed at: 1:1,000



Surveyed 1892 Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1892 Revised N/A Edition N/A Copyright N/A Levelled N/A
--	--

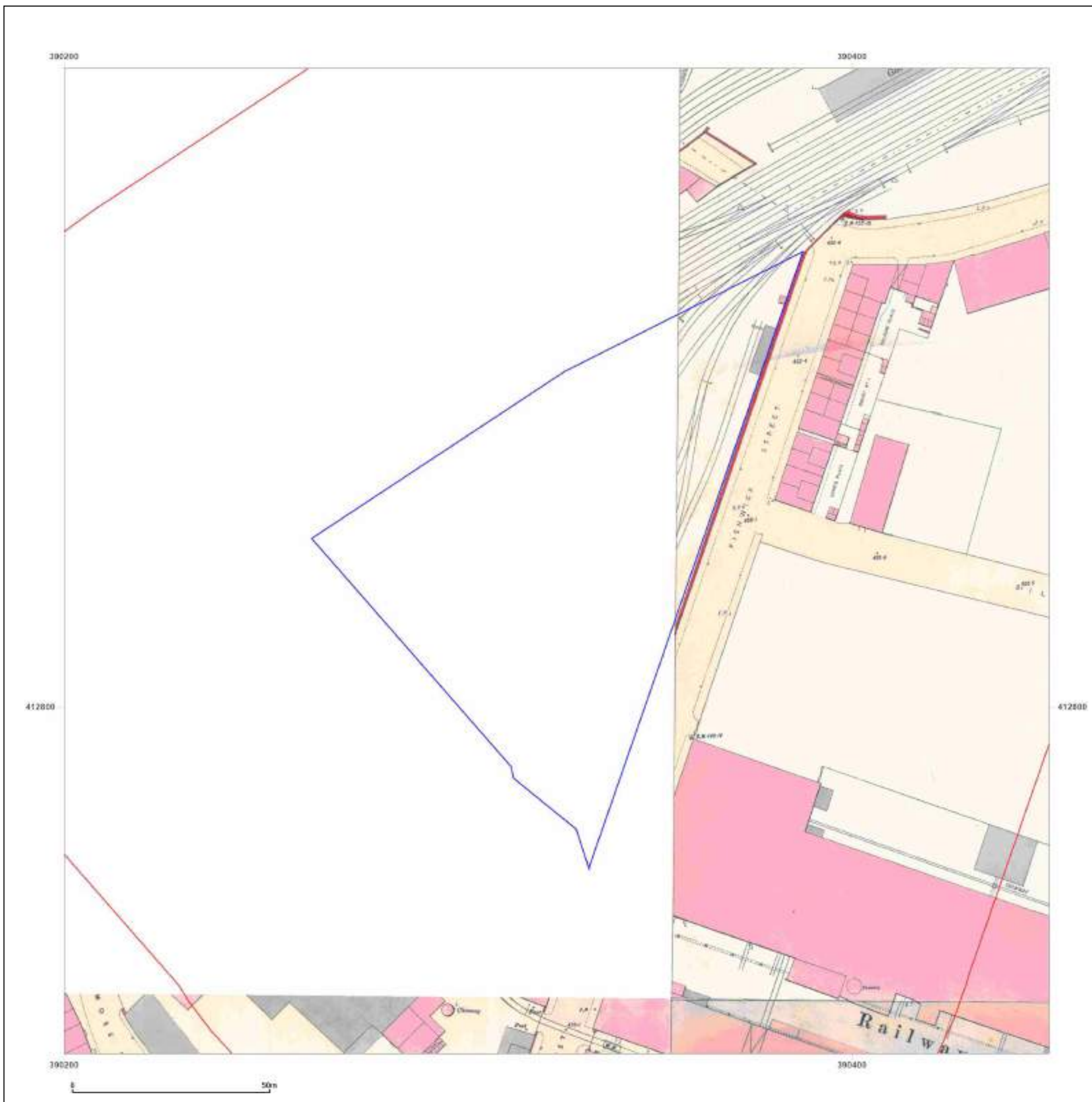


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series

Map date: 1910

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1910
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1910
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

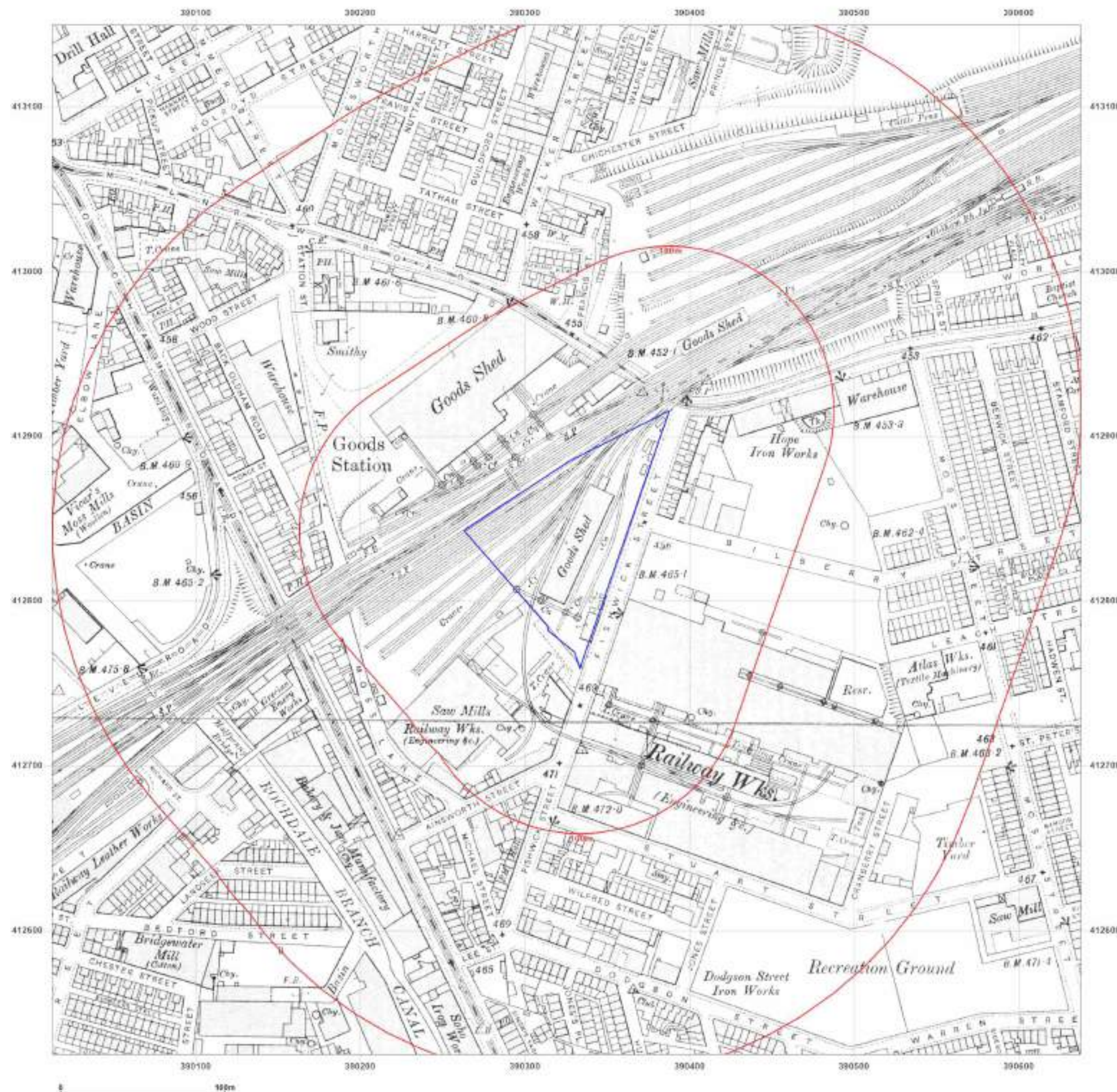


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: County Series

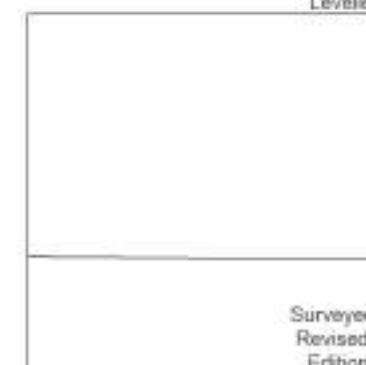
Map date: 1930

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1930
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1930
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1957

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1928

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1928

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1928

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1928

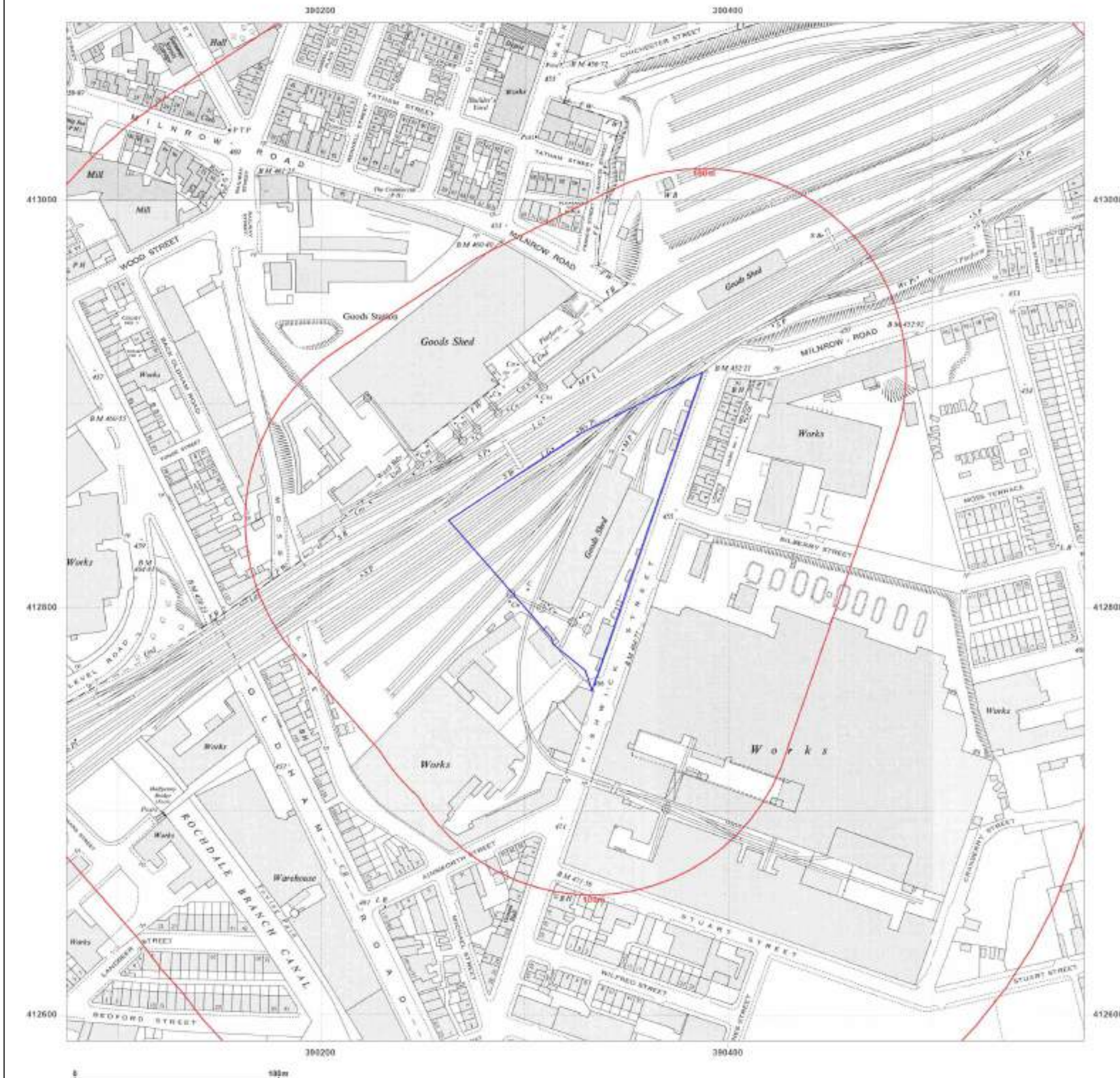


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

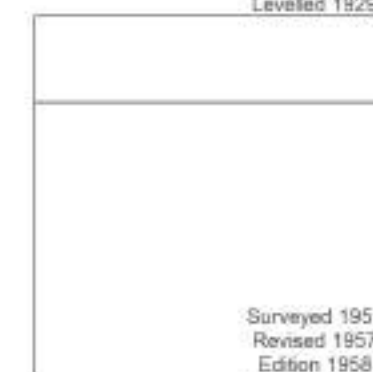
Map date: 1957

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1957
Revised 1957
Edition 1959
Copyright 1959
Levelled 1929



Surveyed 1957
Revised 1957
Edition 1958
Copyright N/A
Levelled 1928

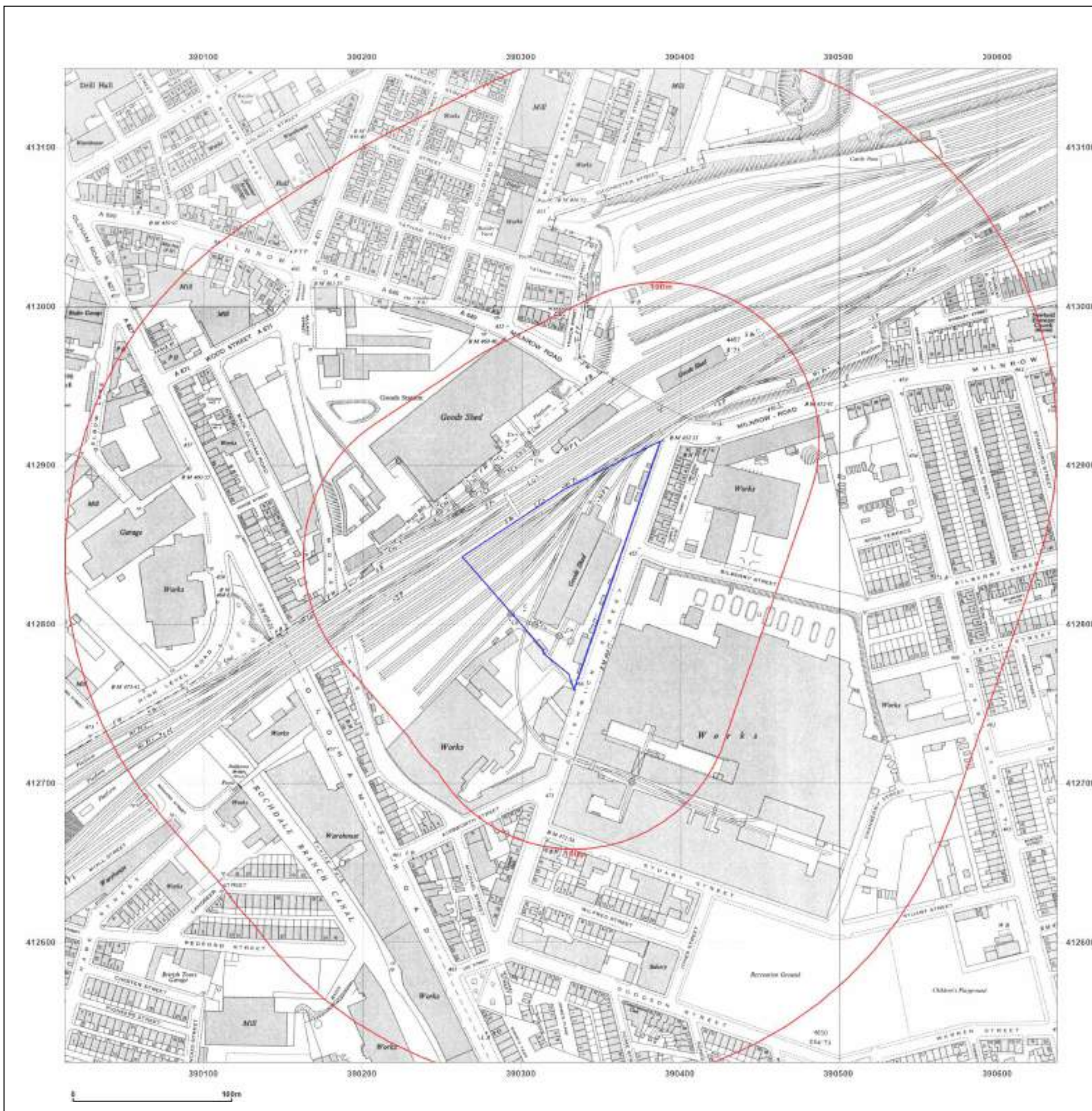


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1958

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1957
Revised N/A
Edition N/A
Copyright 1958
Levelled 1928

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1957
Revised N/A
Edition N/A
Copyright 1958
Levelled 1928

Surveyed 1957
Revised N/A
Edition N/A
Copyright 1958
Levelled 1928

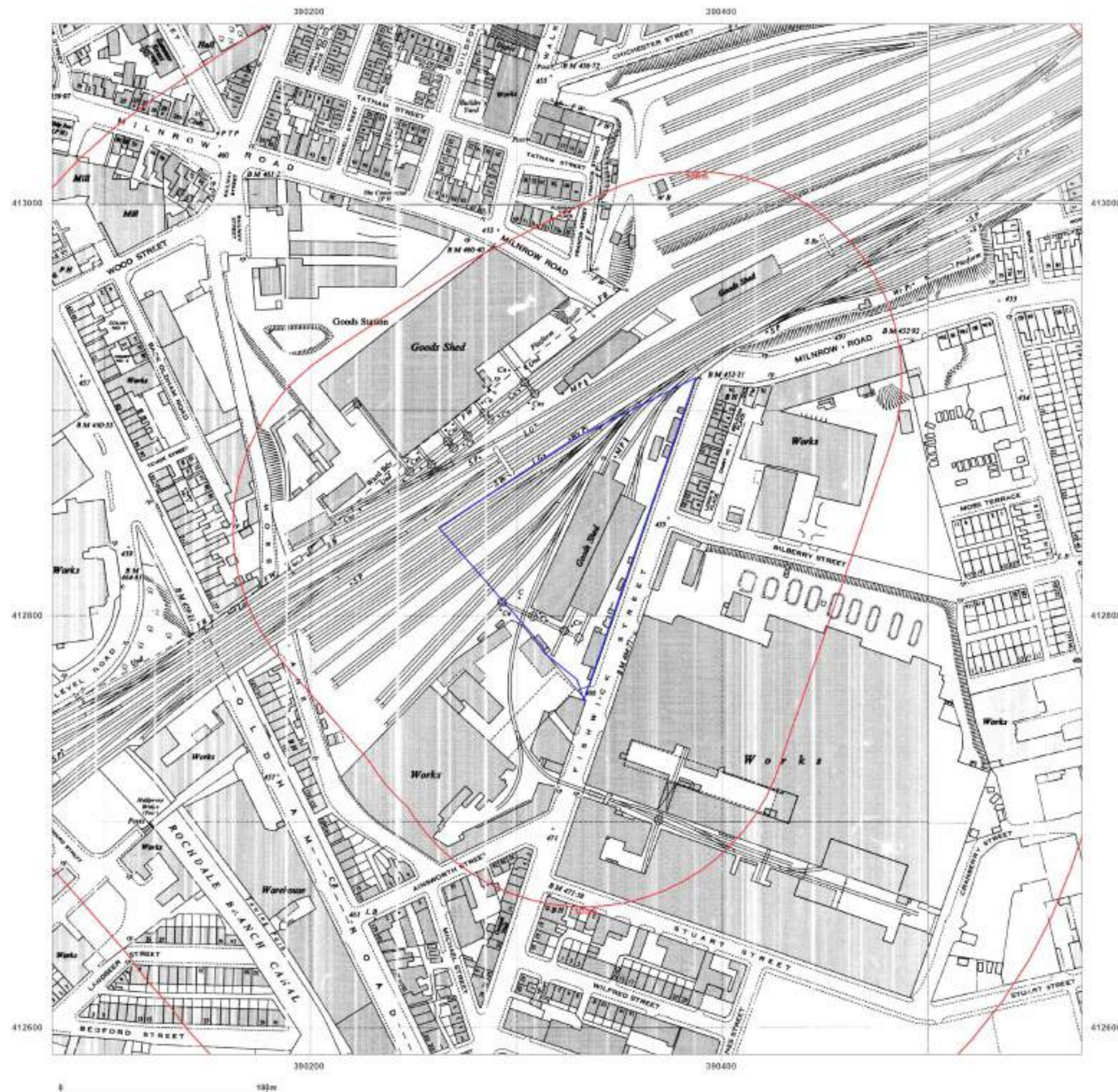


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1974-1976

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright 1974 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1976 Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright 1975 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1975 Levelled N/A

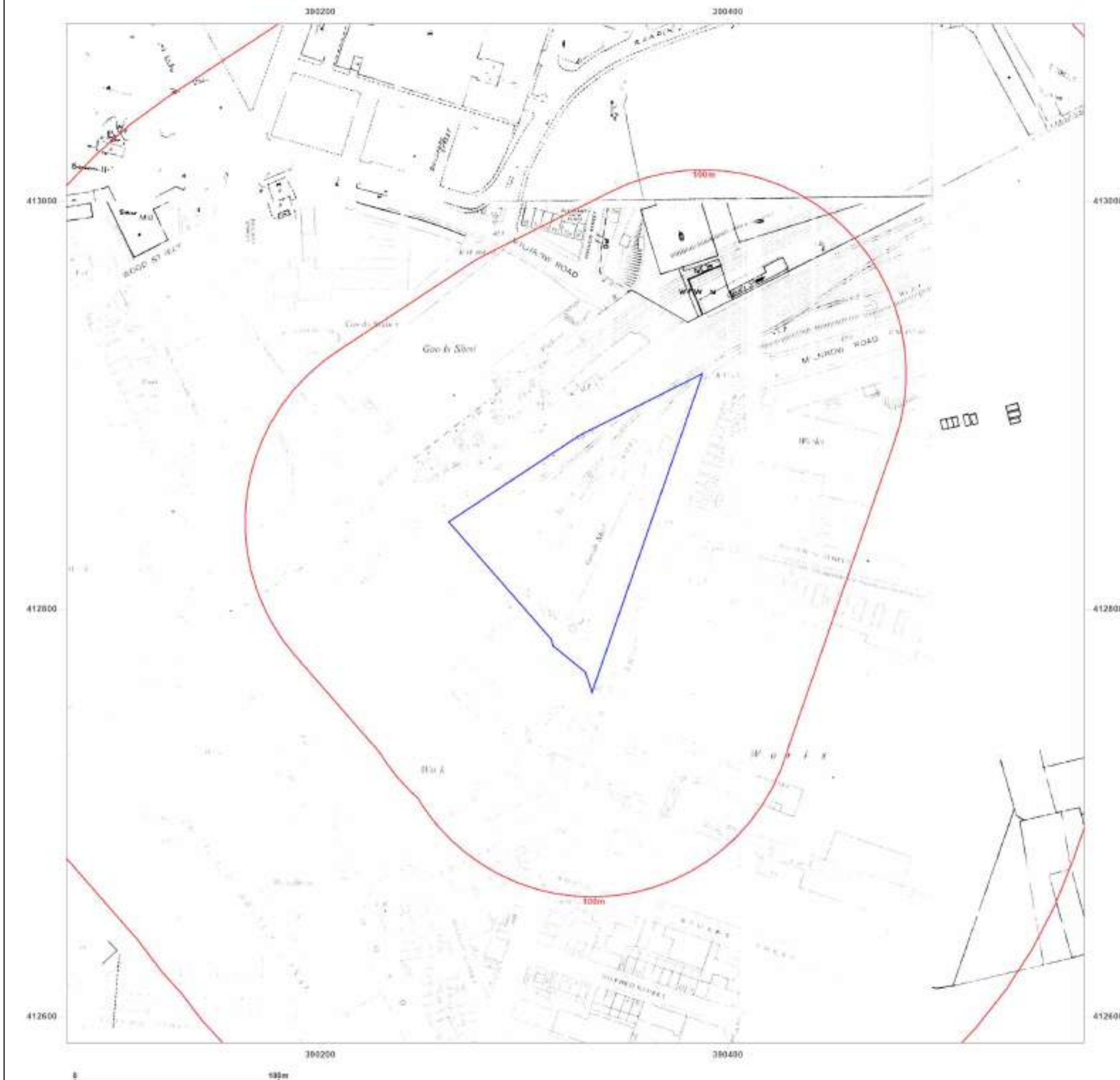


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1975-1977

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1957
Revised 1974
Edition N/A
Copyright 1975
Levelled 1962

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1977
Levelled 1956



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1982-1983

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1956 Revised 1982 Edition N/A Copyright 1982 Levelled 1956	Surveyed 1956 Revised 1983 Edition N/A Copyright 1983 Levelled 1956
--	--

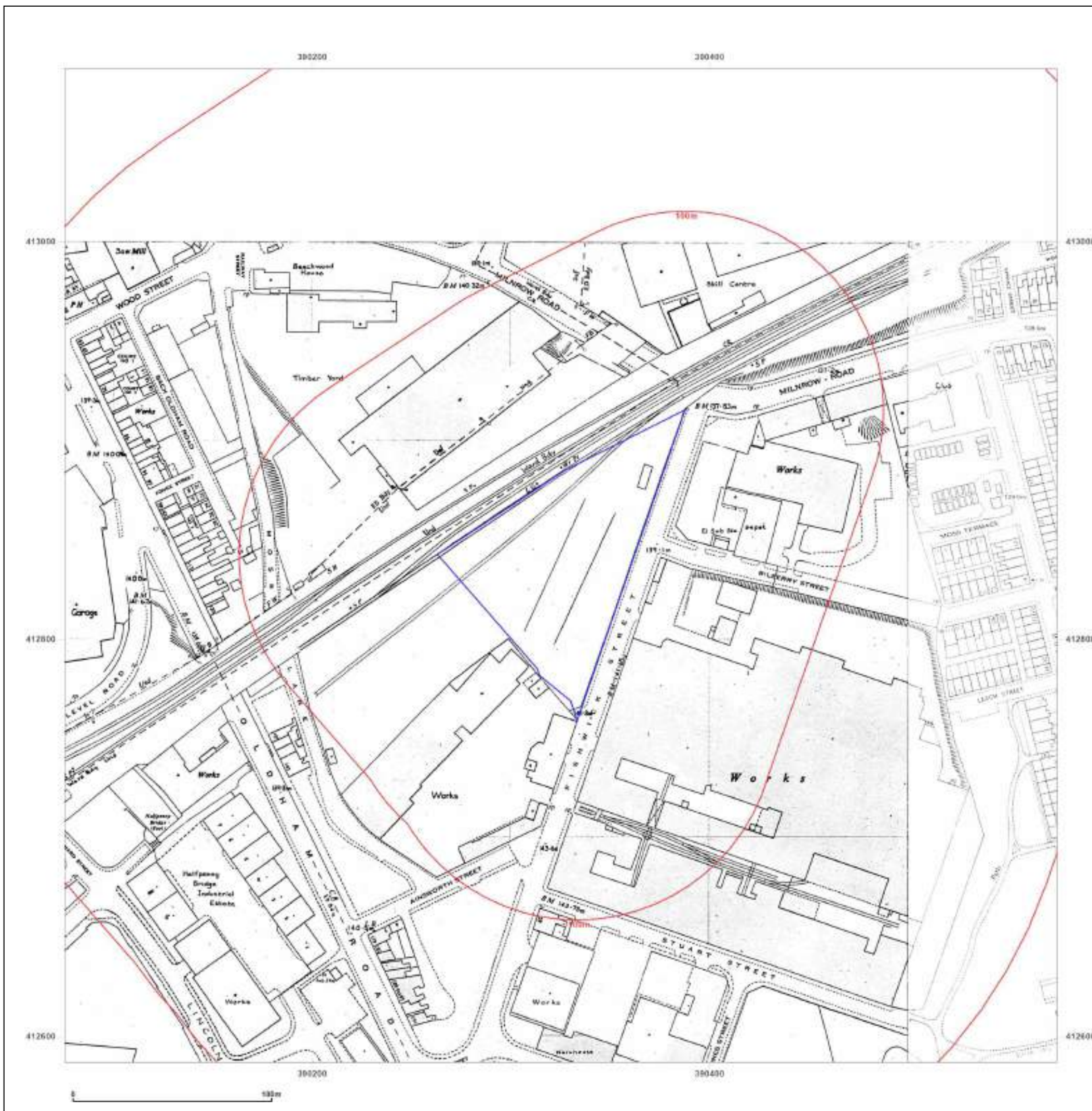


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1982-1985

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1982
Levelled 1962

Surveyed 1956
Revised 1985
Edition N/A
Copyright 1985
Levelled 1956

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1982
Levelled 1956

Surveyed 1957
Revised 1982
Edition N/A
Copyright 1983
Levelled 1956

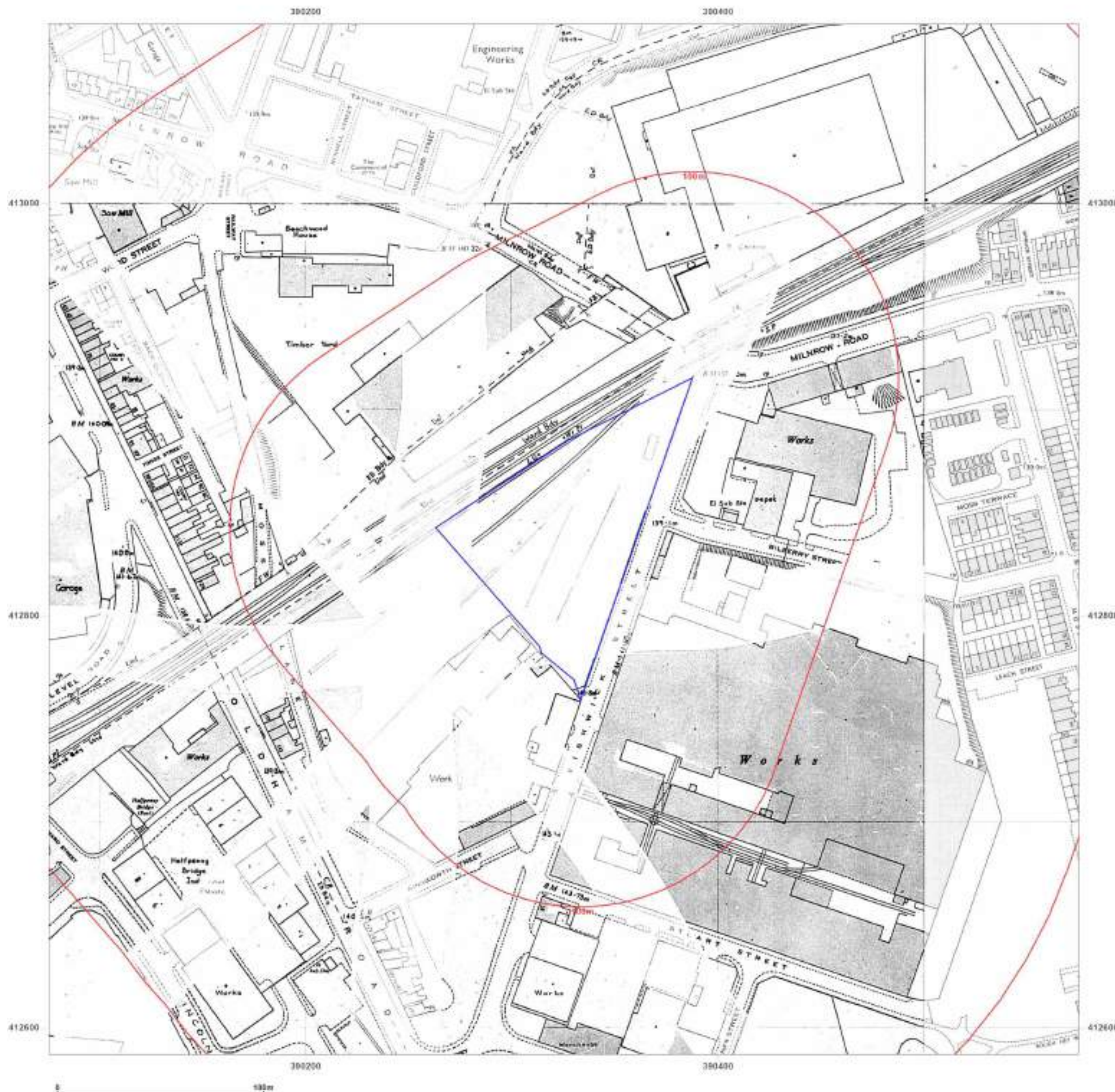


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1982-1986

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
Revised 1986
Edition N/A
Copyright 1988
Levelled 1962

Surveyed 1956
Revised 1982
Edition N/A
Copyright 1982
Levelled 1956

Surveyed 1957
Revised 1982
Edition N/A
Copyright 1983
Levelled 1956

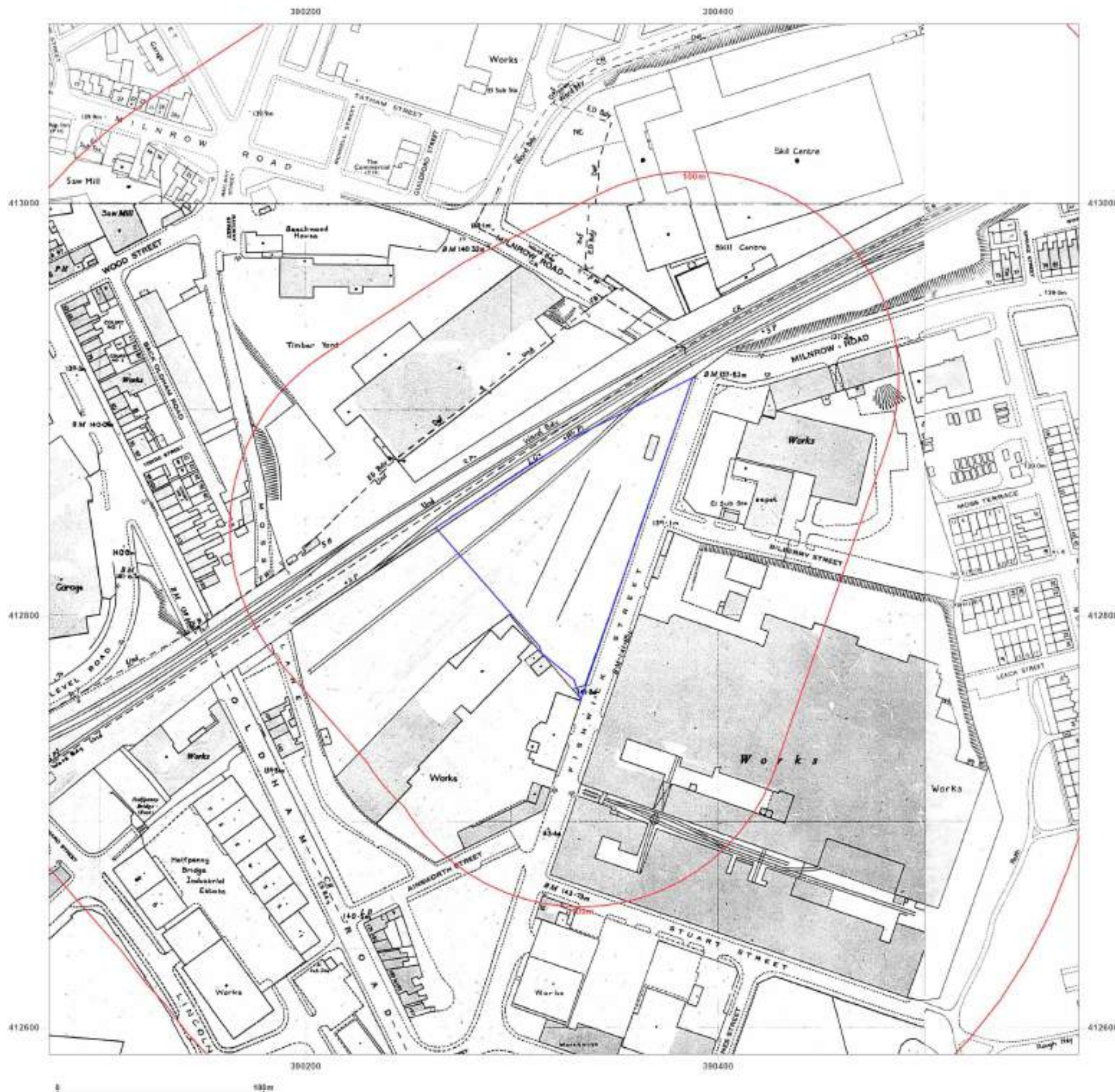


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1983-1988

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
Revised 1988
Edition N/A
Copyright 1988
Levelled 1982

Surveyed 1957
Revised 1984
Edition N/A
Copyright 1985
Levelled 1956

Surveyed 1956
Revised 1983
Edition N/A
Copyright 1983
Levelled 1956

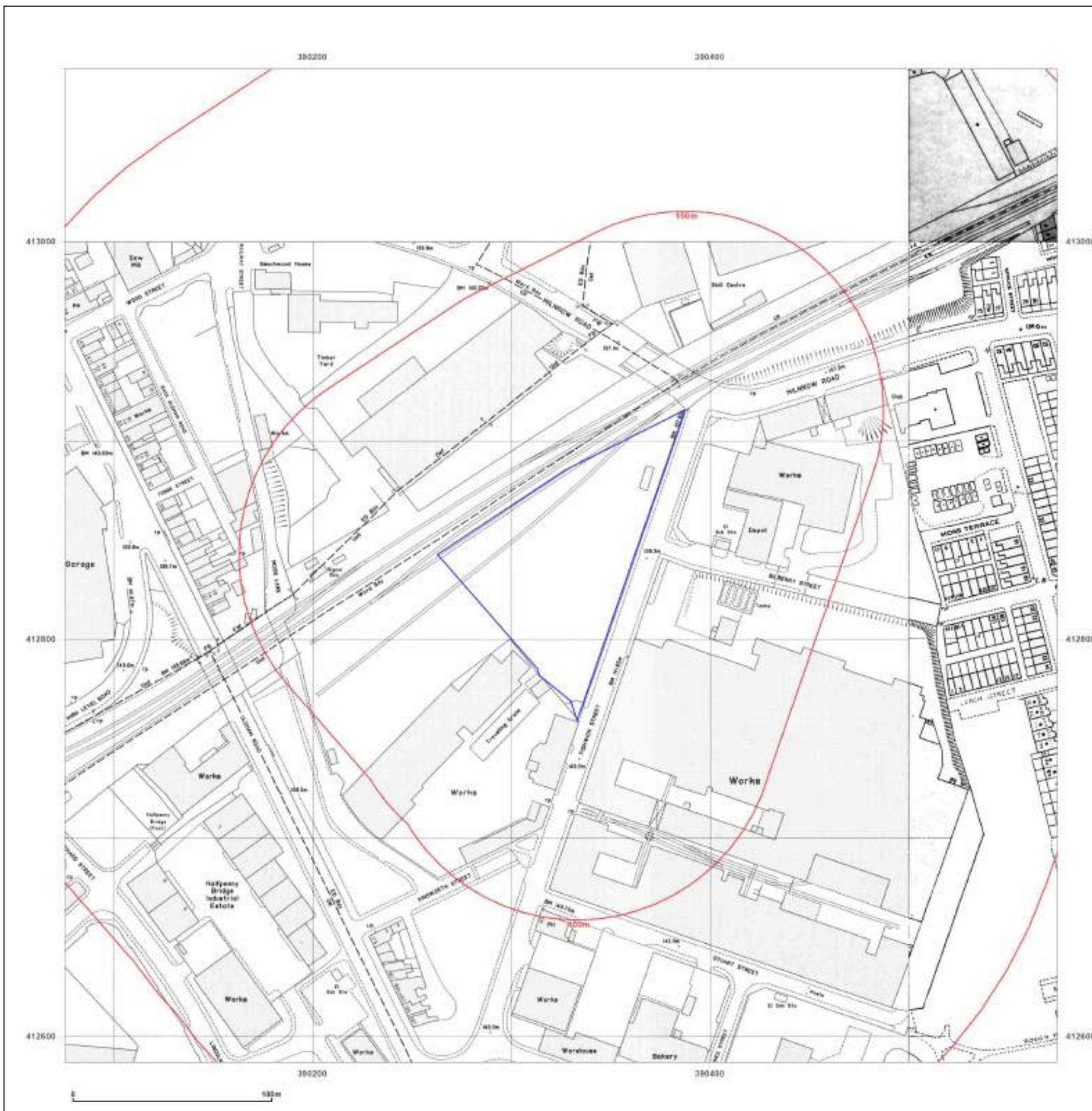


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1985-1990

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
Revised 1989
Edition N/A
Copyright 1989
Levelled 1962

Surveyed 1962
Revised 1990
Edition N/A
Copyright 1990
Levelled 1962

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1985
Levelled N/A

Surveyed N/A
Revised 1982
Edition N/A
Copyright 1983
Levelled 1958

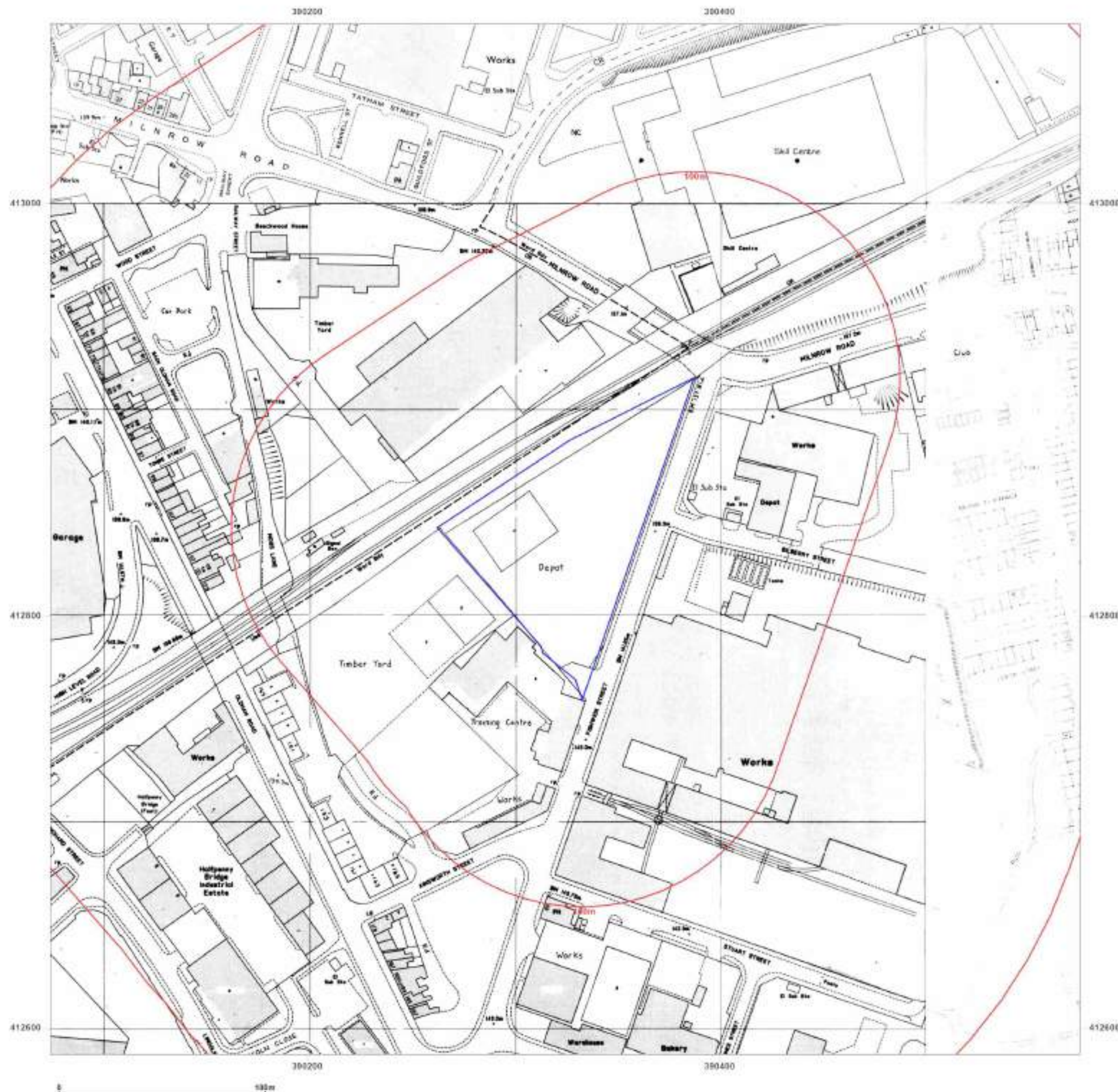


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1988-1992

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1992
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed 1992
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed 1958
Revised 1988
Edition N/A
Copyright 1988
Levelled 1958

Surveyed N/A
Revised 1958
Edition N/A
Copyright 1983
Levelled 1958

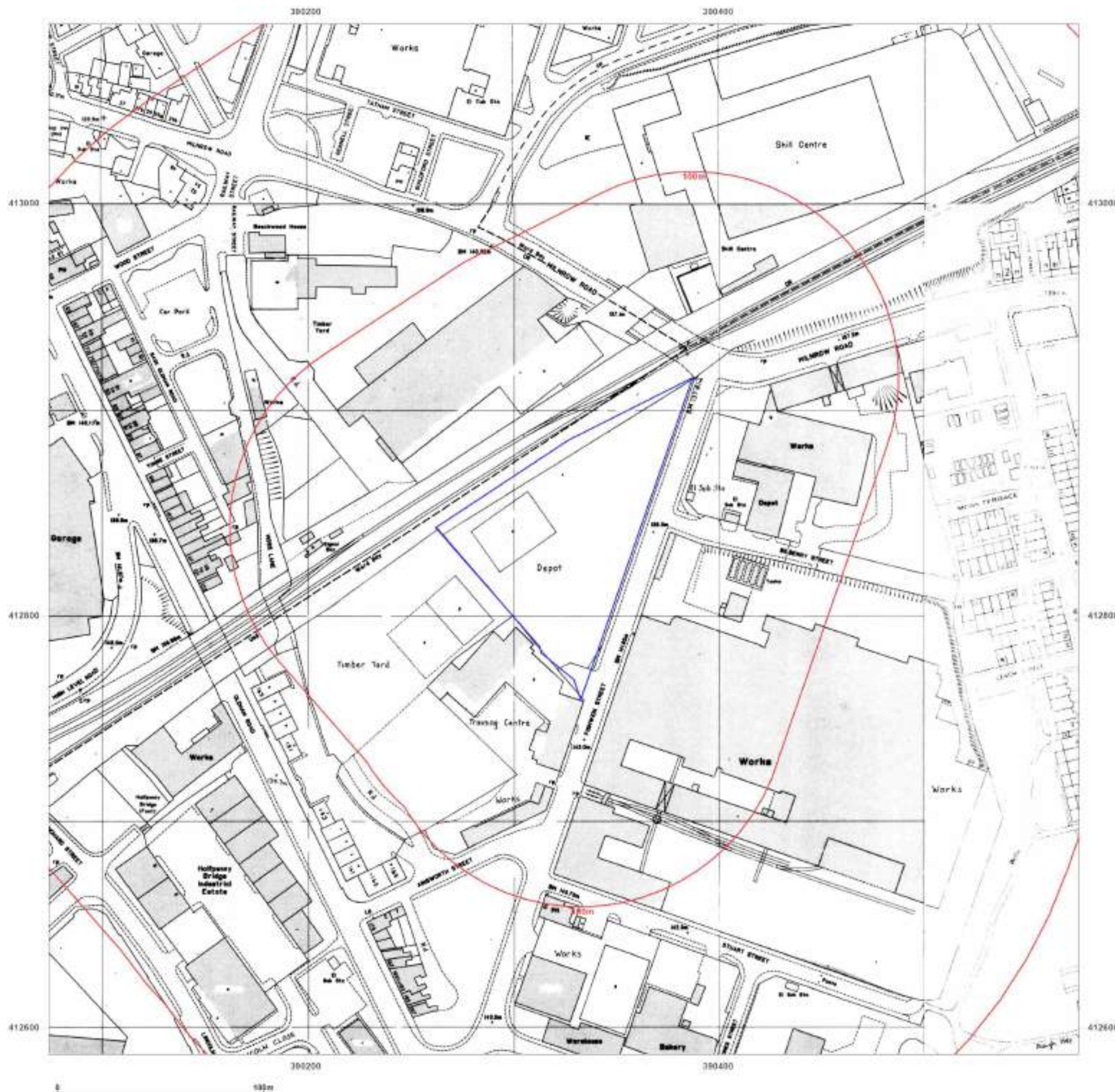


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
---	---

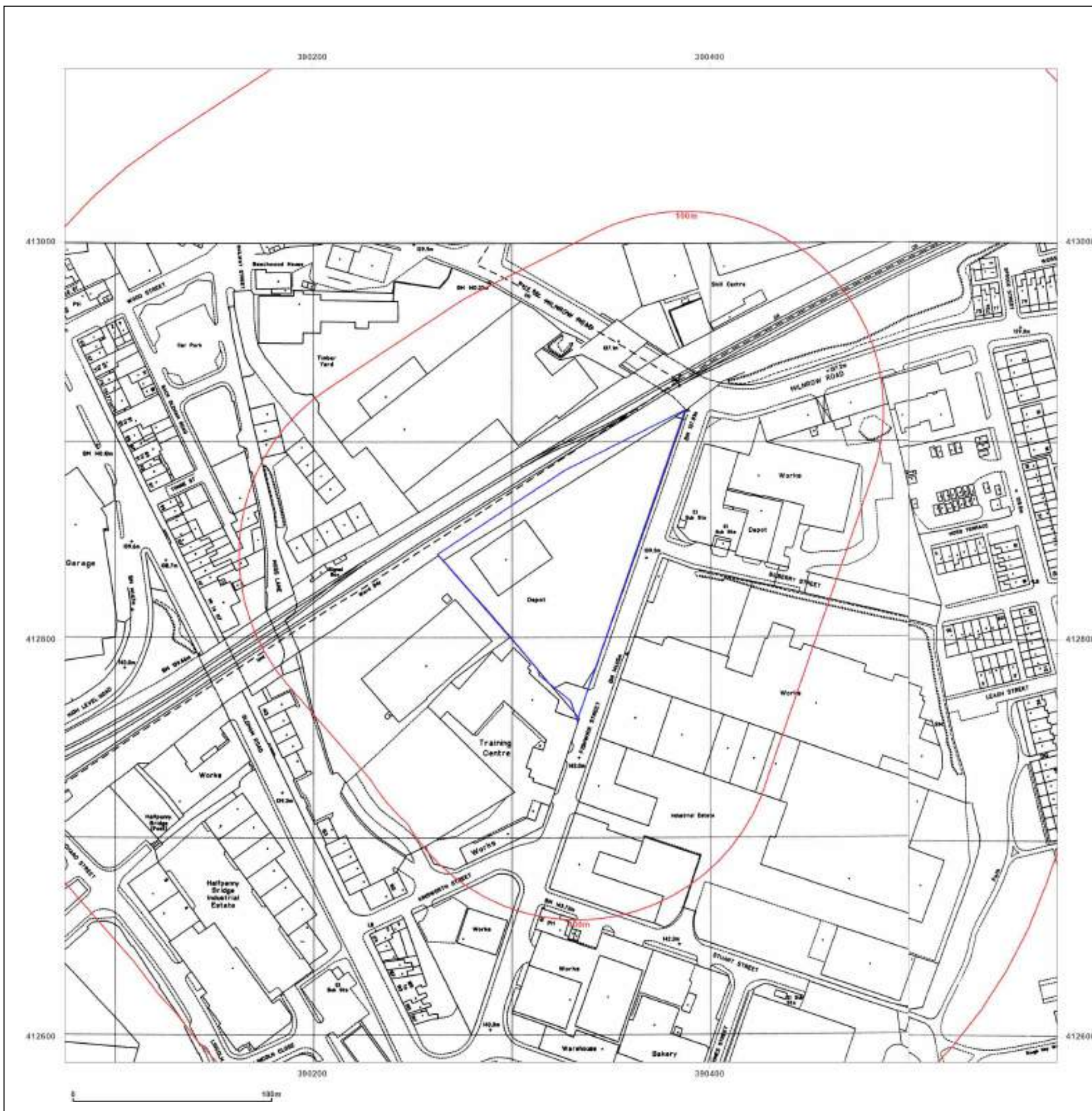


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1992-1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1995
Revised N/A
Edition N/A
Copyright 1995
Levelled N/A

Surveyed 1992
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed 1992
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

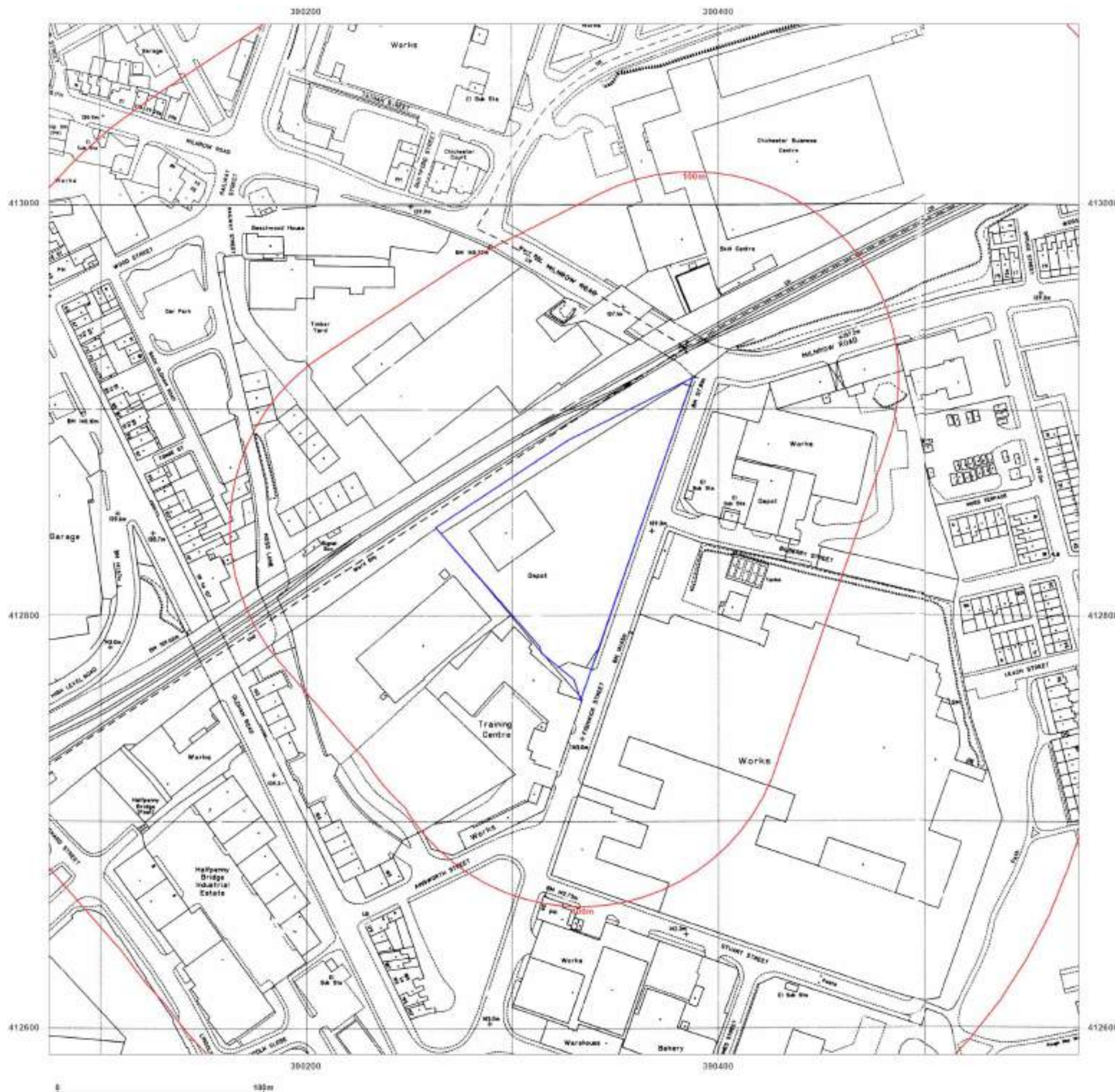


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: National Grid

Map date: 1993-1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1995
Revised 1995
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

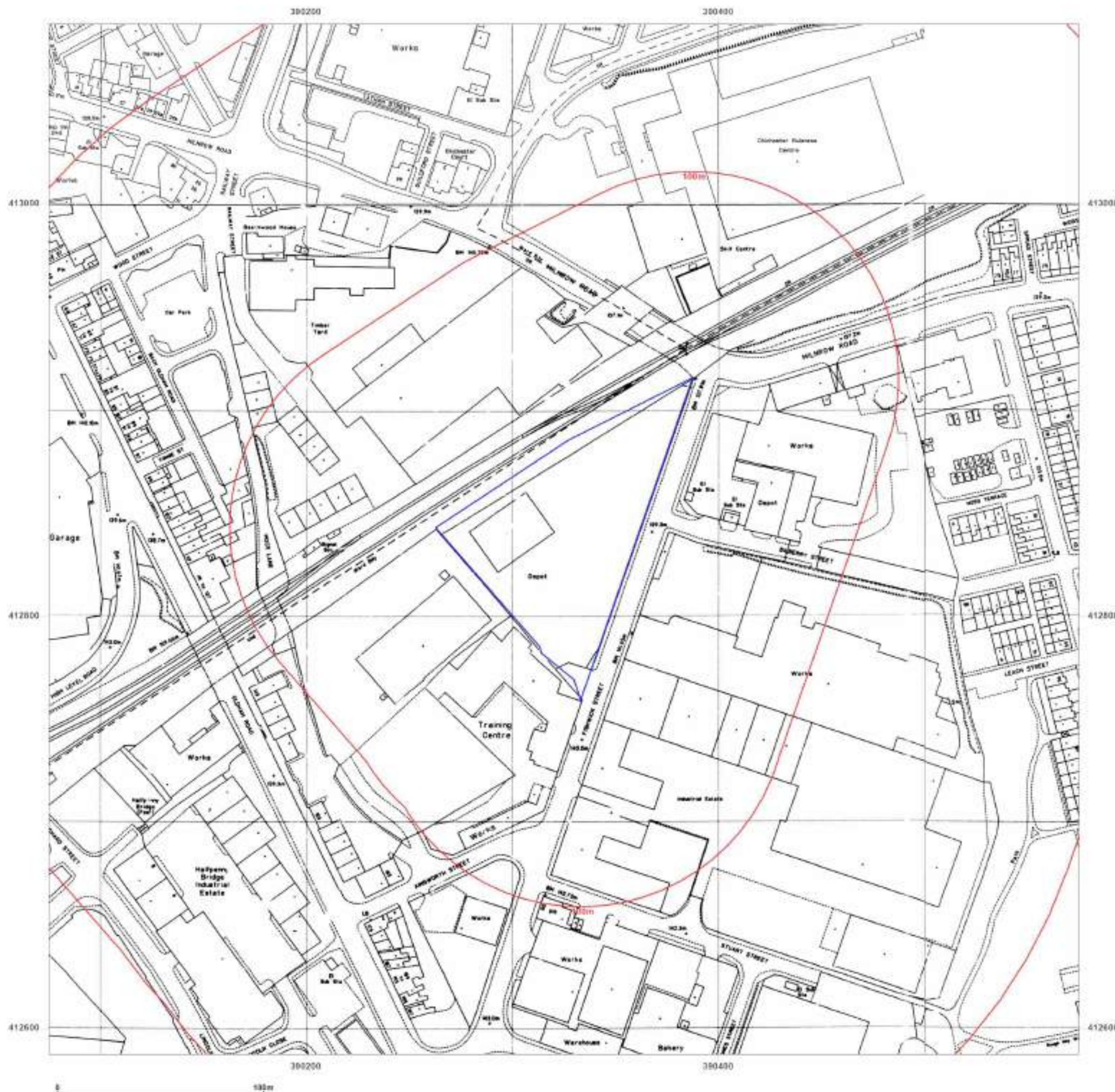


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

THE OLD RAILWAY YARD,
FISHWICK ST, ROCHDALE,
OL16 5NA

Client Ref: 7944-23133-AH
Report Ref: GS-763-XPZ-ODW-74C
Grid Ref: 390325, 412837

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

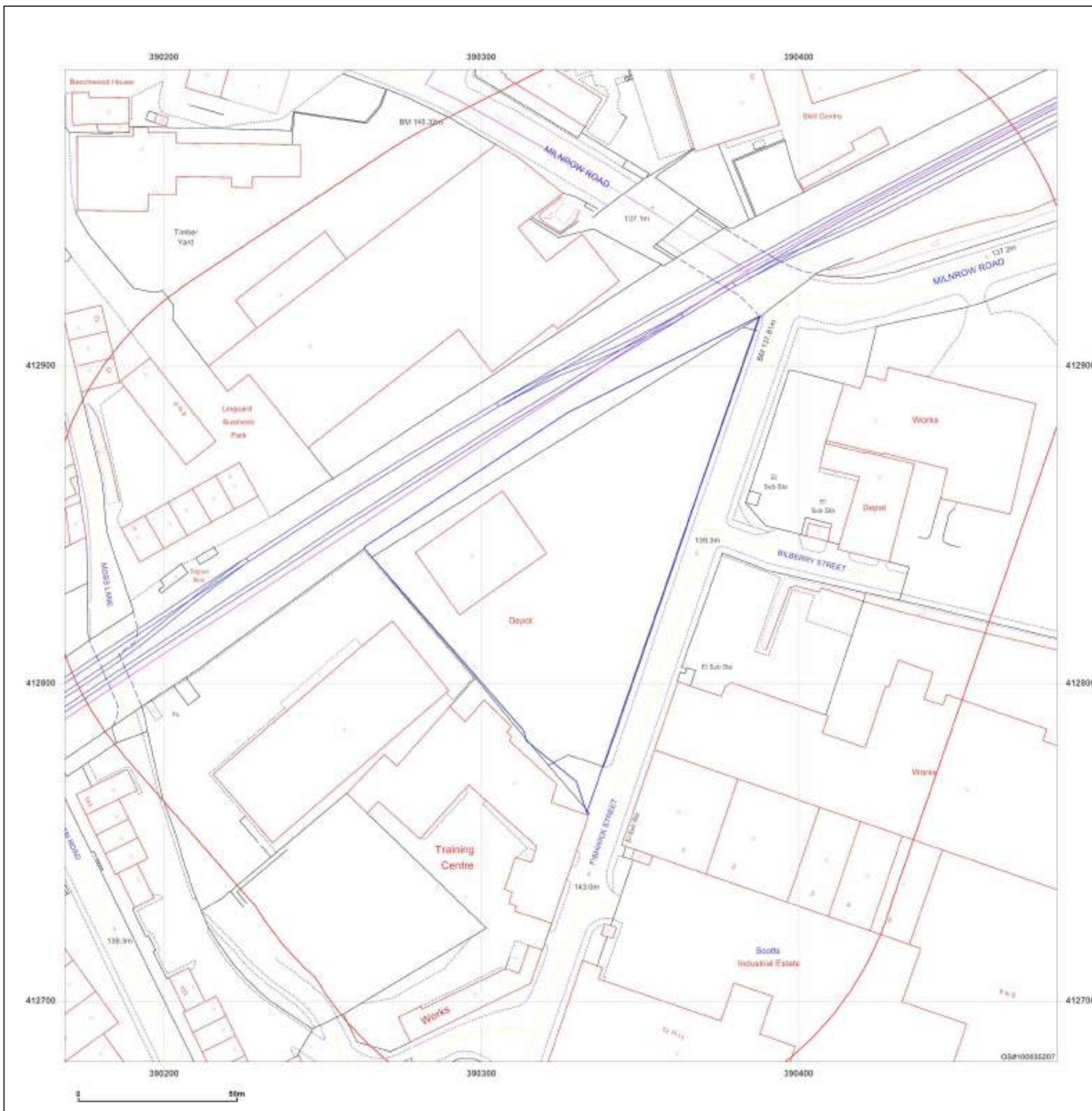


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 27 September 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



APPENDIX B

Enviro+GeoInsight Report

THE OLD RAILWAY YARD, FISHWICK ST, ROCHDALE, OL16 5NA

Order Details

Date: 27/09/2023
Your ref: 7944-23133-AH
Our Ref: GS-6PJ-VV6-XTV-3H6

Site Details

Location: 390329 412847
Area: 0.8 ha
Authority: [Rochdale Metropolitan Borough Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.13 >](#) groundsure.com/insightuserguide ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	24	27	47	99	-
22 >	1.2 >	Historical tanks >	0	2	6	19	-
23 >	1.3 >	Historical energy features >	0	3	6	22	-
24	1.4	Historical petrol stations	0	0	0	0	-
25 >	1.5 >	Historical garages >	0	0	15	62	-
28	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
29 >	2.1 >	Historical industrial land uses >	29	48	59	145	-
40 >	2.2 >	Historical tanks >	0	3	7	26	-
41 >	2.3 >	Historical energy features >	0	10	19	38	-
44	2.4	Historical petrol stations	0	0	0	0	-
44 >	2.5 >	Historical garages >	0	0	28	99	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
50	3.1	Active or recent landfill	0	0	0	0	-
50	3.2	Historical landfill (BGS records)	0	0	0	0	-
51 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	4	0	-
51 >	3.4 >	Historical landfill (EA/NRW records) >	0	1	0	1	-
52 >	3.5 >	Historical waste sites >	0	0	4	26	-
56 >	3.6 >	Licensed waste sites >	0	0	5	21	-
64 >	3.7 >	Waste exemptions >	0	0	19	46	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	4.1 >	Recent industrial land uses >	1	8	65	-	-
75 >	4.2 >	Current or recent petrol stations >	0	1	0	1	-
76	4.3	Electricity cables	0	0	0	0	-
76	4.4	Gas pipelines	0	0	0	0	-
76	4.5	Sites determined as Contaminated Land	0	0	0	0	-



76 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	1	0	-
77	4.7	Regulated explosive sites	0	0	0	0	-
77 >	4.8 >	Hazardous substance storage/usage >	0	0	1	0	-
77	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
77 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	5	0	-
78 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	1	1	3	9	-
81	4.12	Radioactive Substance Authorisations	0	0	0	0	-
81 >	4.13 >	Licensed Discharges to controlled waters >	0	0	6	5	-
83	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
83	4.15	Pollutant release to public sewer	0	0	0	0	-
83	4.16	List 1 Dangerous Substances	0	0	0	0	-
83	4.17	List 2 Dangerous Substances	0	0	0	0	-
83 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	3	7	-
85	4.19	Pollution inventory substances	0	0	0	0	-
85	4.20	Pollution inventory waste transfers	0	0	0	0	-
85	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
86 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
88 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
90 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
91	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
91	5.5	Groundwater vulnerability- local information	None (within 0m)				
92 >	5.6 >	Groundwater abstractions >	0	0	0	0	8
95 >	5.7 >	Surface water abstractions >	0	0	0	1	11
98	5.8	Potable abstractions	0	0	0	0	0
98	5.9	Source Protection Zones	0	0	0	0	-
98	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
99	6.1	Water Network (OS MasterMap)	0	0	0	-	-



99	6.2	Surface water features	0	0	0	-	-
100 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
100 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
101 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
102	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
102	7.2	Historical Flood Events	0	0	0	-	-
102	7.3	Flood Defences	0	0	0	-	-
103	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
103	7.5	Flood Storage Areas	0	0	0	-	-
104	7.6	Flood Zone 2	None (within 50m)				
104	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
105 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
107 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	1	4
109	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
109 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	1	4
110	10.4	Special Protection Areas (SPA)	0	0	0	0	0
110	10.5	National Nature Reserves (NNR)	0	0	0	0	0
110	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
111	10.7	Designated Ancient Woodland	0	0	0	0	0
111	10.8	Biosphere Reserves	0	0	0	0	0
111	10.9	Forest Parks	0	0	0	0	0
111	10.10	Marine Conservation Zones	0	0	0	0	0
111 >	10.11 >	Green Belt >	0	0	0	0	1
112	10.12	Proposed Ramsar sites	0	0	0	0	0



112	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
112	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
112	10.15	Nitrate Sensitive Areas	0	0	0	0	0
113	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
114 >	10.17 >	SSSI Impact Risk Zones >	2	-	-	-	-
116 >	10.18 >	SSSI Units >	0	0	0	1	4
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
118	11.1	World Heritage Sites	0	0	0	-	-
119	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
119	11.3	National Parks	0	0	0	-	-
119 >	11.4 >	Listed Buildings >	0	0	1	-	-
120	11.5	Conservation Areas	0	0	0	-	-
120	11.6	Scheduled Ancient Monuments	0	0	0	-	-
120	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
122	12.2	Open Access Land	0	0	0	-	-
122	12.3	Tree Felling Licences	0	0	0	-	-
122	12.4	Environmental Stewardship Schemes	0	0	0	-	-
122	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
123 >	13.1 >	Priority Habitat Inventory >	0	0	1	-	-
124 >	13.2 >	Habitat Networks >	0	0	1	-	-
124	13.3	Open Mosaic Habitat	0	0	0	-	-
124	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
125 >	14.1 >	10k Availability >	Identified (within 500m)				
126 >	14.2 >	Artificial and made ground (10k) >	0	1	1	3	-
128 >	14.3 >	Superficial geology (10k) >	1	0	1	2	-

129	14.4	Landslip (10k)	0	0	0	0	-
130 >	14.5 >	Bedrock geology (10k) >	1	0	4	6	-
131 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	1	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
132 >	15.1 >	50k Availability >	Identified (within 500m)				
133	15.2	Artificial and made ground (50k)	0	0	0	0	-
133	15.3	Artificial ground permeability (50k)	0	0	-	-	-
134 >	15.4 >	Superficial geology (50k) >	1	0	2	3	-
135 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
135	15.6	Landslip (50k)	0	0	0	0	-
135	15.7	Landslip permeability (50k)	None (within 50m)				
136 >	15.8 >	Bedrock geology (50k) >	1	0	5	6	-
137 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
137 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	1	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
139 >	16.1 >	BGS Boreholes >	1	3	9	-	-
Page	Section	Natural ground subsidence >					
141 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
142 >	17.2 >	Running sands >	Very low (within 50m)				
143 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
144 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
145 >	17.5 >	Landslides >	Very low (within 50m)				
146 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
148	18.1	BritPits	0	0	0	0	-
149 >	18.2 >	Surface ground workings >	0	1	13	-	-
149 >	18.3 >	Underground workings >	0	0	0	0	2
150	18.4	Underground mining extents	0	0	0	0	-
150	18.5	Historical Mineral Planning Areas	0	0	0	0	-



150	18.6	Non-coal mining	0	0	0	0	0
150	18.7	JPB mining areas	None (within 0m)				
151	18.8	The Coal Authority non-coal mining	0	0	0	0	-
151	18.9	Researched mining	0	0	0	0	-
151	18.10	Mining record office plans	0	0	0	0	-
151	18.11	BGS mine plans	0	0	0	0	-
152 >	18.12 >	Coal mining >	Identified (within 0m)				
152	18.13	Brine areas	None (within 0m)				
152	18.14	Gypsum areas	None (within 0m)				
152	18.15	Tin mining	None (within 0m)				
152	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
153	19.1	Natural cavities	0	0	0	0	-
153	19.2	Mining cavities	0	0	0	0	0
153	19.3	Reported recent incidents	0	0	0	0	-
153	19.4	Historical incidents	0	0	0	0	-
154	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
155 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
157 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
157	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
157	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
158	22.1	Underground railways (London)	0	0	0	-	-
158	22.2	Underground railways (Non-London)	0	0	0	-	-
159	22.3	Railway tunnels	0	0	0	-	-
159 >	22.4 >	Historical railway and tunnel features >	11	10	22	-	-
161	22.5	Royal Mail tunnels	0	0	0	-	-



161 >	22.6 >	Historical railways >	0	1	0	-	-
161 >	22.7 >	Railways >	0	18	19	-	-
163	22.8	Crossrail 1	0	0	0	0	-
163	22.9	Crossrail 2	0	0	0	0	-
163	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 23/05/2019

Site Area: 0.8ha



Recent site history - 2018 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 01/07/2018

Site Area: 0.8ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.8ha



Recent site history - 2000 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 19/06/2000

Site Area: 0.8ha



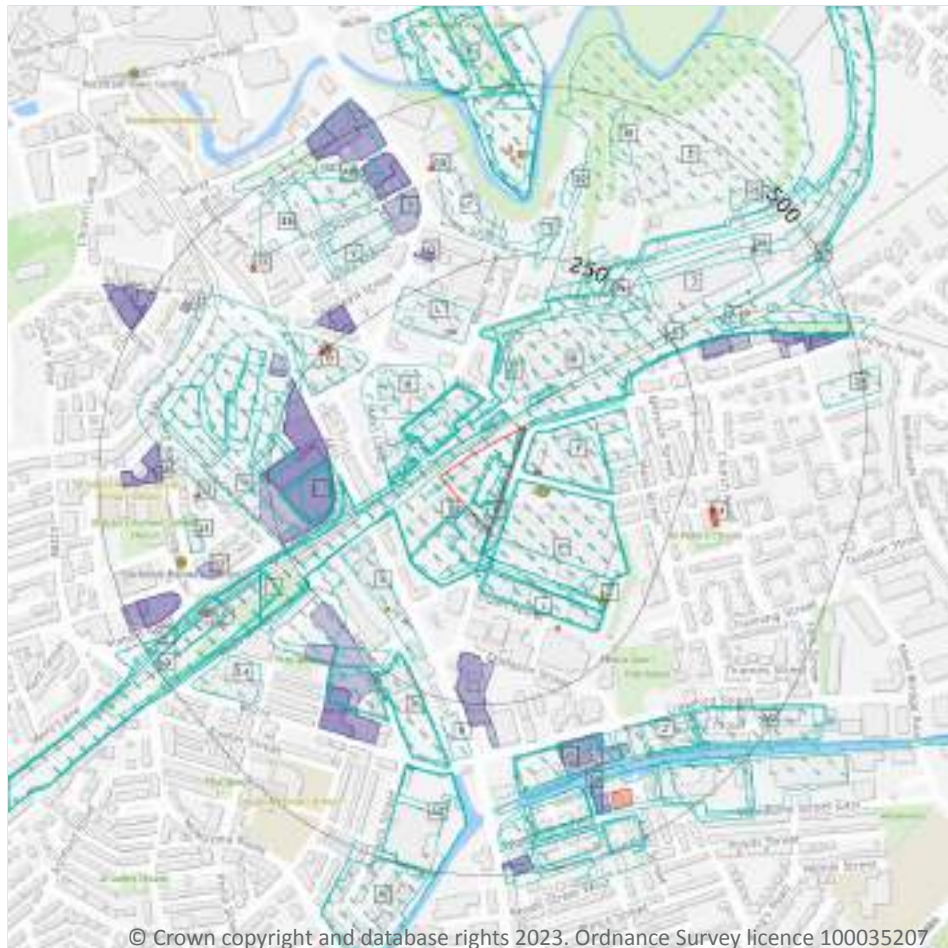
OS MasterMap site plan



Site Area: 0.8ha



1 Past land use



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

© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

1.1 Historical industrial land uses

Records within 500m

197

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
A	On site	Railway Building	1976	670150



ID	Location	Land use	Dates present	Group ID
A	On site	Railway Station	1851	672375
A	On site	Railway Building	1908	695310
A	On site	Railway Building	1967 - 1976	703711
A	On site	Railway Works	1954	714102
A	On site	Goods Shed	1967	720470
A	On site	Railway Sidings	1891	730419
A	On site	Railway Building	1954	761337
A	On site	Railway Works	1928 - 1938	768281
A	On site	Railway Building	1928 - 1938	778206
A	On site	Railway Building	1967 - 1976	778489
A	On site	Unspecified Commercial/Industrial	1891 - 1908	780404
A	On site	Goods Shed	1891	784020
A	On site	Railway Building	1976	784623
B	On site	Railway Sidings	1908	695416
B	On site	Railway Sidings	1928	696938
B	On site	Railway Buildings	1908	698514
B	On site	Railway Buildings	1938	705301
B	On site	Railway Sidings	1938	728101
B	On site	Railway Buildings	1954	774628
B	On site	Railway Buildings	1928	789144
C	On site	Railway Sidings	1954	724457
C	On site	Railway Sidings	1967	748671
D	On site	Railway Sidings	1968 - 1976	750008
A	6m W	Railway Sidings	1851	700493
A	10m SW	Unspecified Works	1967 - 1976	780465
E	13m SE	Unspecified Works	1967 - 1976	764500
F	16m E	Unspecified Commercial/Industrial	1976	643278
F	16m E	Unspecified Works	1967	678981



ID	Location	Land use	Dates present	Group ID
F	16m E	Iron Works	1954	788568
E	17m SE	Railway Works	1954	734615
F	18m NE	Iron Works	1928 - 1938	777339
E	18m E	Iron Works	1891	672265
E	18m E	Railway Works	1908 - 1938	783940
B	20m N	Railway Building	1967 - 1976	754982
B	21m N	Railway Building	1954	787164
B	21m N	Railway Building	1891 - 1938	741586
A	24m W	Warehouse	1851	685829
B	28m NE	Railway Building	1967	763284
B	32m NE	Railway Building	1954	708550
A	33m W	Goods Shed	1954	722112
B	35m NE	Railway Building	1891 - 1938	780664
A	35m W	Railway Building	1976	670148
A	36m W	Goods Shed	1976	783873
A	36m W	Railway Buildings	1967	734808
A	37m NW	Goods Shed	1891 - 1938	716811
A	38m W	Goods Station	1954	742210
A	39m W	Goods Station	1891 - 1938	757419
F	40m NE	Iron Works	1908	735546
A	43m NW	Goods Shed	1967	704013
A	49m W	Railway Buildings	1891 - 1938	700219
A	50m W	Railway Buildings	1954	734495
A	62m NW	Warehouse	1851	685828
G	71m N	Railway Building	1908	670152
H	85m NW	Goods Station	1967 - 1976	721908
G	87m N	Railway Building	1954	744947
G	87m N	Railway Building	1908 - 1928	783366



ID	Location	Land use	Dates present	Group ID
G	88m N	Railway Building	1891	786863
G	90m N	Railway Building	1908 - 1928	716273
F	124m E	Unspecified Tank	1891	674682
G	128m N	Railway Building	1908	670154
H	133m NW	Smithy	1908	692927
I	134m S	Pump	1851	675586
J	136m W	Cotton Mill	1851	644263
G	137m N	Railway Building	1908	670153
K	141m SW	Cotton Mill	1851	644262
C	146m NE	Railway Building	1891	670159
L	149m N	Unspecified Works	1976	678979
C	153m NE	Railway Building	1967	670160
J	155m W	Unspecified Mills	1891	784043
J	160m W	Unspecified Commercial/Industrial	1976	643269
J	160m W	Unspecified Works	1967	678971
J	161m W	Unspecified Mills	1928 - 1938	760532
N	180m NE	Unspecified Tank	1928	789814
1	187m N	Refuse Heap	1976	777641
O	195m NW	Unspecified Mill	1976	657142
D	206m SW	Corn Mill	1851	672560
N	208m NE	Railway Building	1908	670158
3	208m NE	Unspecified Depot	1976	668802
4	210m SW	Warehouse	1851	685830
J	215m W	Cotton Mill	1851	644264
P	216m SW	Unspecified Works	1967 - 1976	707456
P	217m SW	Unspecified Mills	1954	752158
P	218m SW	Unspecified Mills	1908 - 1938	722970
P	218m SW	Unspecified Mills	1891	699796



ID	Location	Land use	Dates present	Group ID
J	219m W	Unspecified Mills	1938	747712
J	219m W	Unspecified Mills	1891 - 1928	751941
P	222m SW	Unspecified Mills	1938	653260
N	223m NE	Railway Building	1938 - 1954	706393
P	228m SW	Unspecified Works	1967 - 1976	704354
N	228m NE	Railway Building	1967	670157
N	230m NE	Unspecified Tank	1954	753870
N	232m NE	Refuse Heap	1967	790619
5	232m N	Unspecified Heap	1891	650729
J	239m NW	Canal Wharf	1891	709844
6	241m NE	Railway Building	1891 - 1908	740982
J	243m W	Canal Wharf	1851	743911
D	248m SW	Railway Building	1954	670147
7	255m N	Sand Pit	1851	643880
J	259m NW	Unspecified Wharf	1949	675228
P	260m SW	Unspecified Mills	1954	771371
P	264m SW	Unspecified Tank	1891	674683
P	264m SW	Unspecified Mill	1967	657141
8	265m S	Unspecified Works	1976	678970
J	288m W	Canal Wharf	1851	758041
J	288m W	Canal Wharf	1908 - 1928	719474
S	289m SW	Railway Station	1891 - 1938	699770
J	289m W	Canal Wharf	1938	765554
T	290m SW	Railway Buildings	1954	681657
T	291m SW	Railway Station	1967	776975
S	292m W	Railway Sidings	1987 - 1992	748827
9	297m W	Railway Sidings	1949	710047
S	303m SW	Railway Station	1949	705819



ID	Location	Land use	Dates present	Group ID
S	303m SW	Railway Station	1968	788533
J	308m W	Unspecified Depot	1968	668804
J	311m W	Canal Basin	1851	656579
J	311m W	Unspecified Commercial/Industrial	1891	699512
J	311m W	Unspecified Commercial/Industrial	1938	730493
P	314m SW	Saw Pit	1851	680286
V	322m NW	Rope Walk	1851	641261
R	325m NE	Unspecified Pit	1891 - 1908	700288
R	325m NE	Unspecified Pit	1938	779832
W	325m S	Unspecified Commercial/Industrial	1967 - 1976	760241
W	326m S	Unspecified Mills	1908 - 1938	768190
10	327m N	Unspecified Heap	1891	650731
W	327m S	Unspecified Mills	1954	696777
W	328m S	Cotton Mill	1851	644450
V	333m NW	Unspecified Mill	1976	657137
Y	333m N	Sanitary Depot	1954	746826
Y	333m N	Unspecified Heap	1954 - 1967	766970
Y	337m N	Sanitary Depot	1908 - 1928	749002
Y	337m N	Sanitary Depot	1938	710013
Y	343m N	Refuse Heap	1908	677866
Z	344m SE	Unspecified Mill	1967 - 1976	773309
Z	351m SE	Unspecified Mill	1954	766233
AA	353m S	Unspecified Commercial/Industrial	1891	643268
AA	353m S	Unspecified Mills	1908	715677
AA	353m S	Unspecified Mill	1928 - 1938	735007
Y	355m N	Incinerator	1976	665537
AA	356m S	Unspecified Mill	1967 - 1976	720646
AB	356m NW	Brick Field	1851	668540



ID	Location	Land use	Dates present	Group ID
Z	356m SE	Unspecified Commercial/Industrial	1891	757657
Z	356m SE	Unspecified Mill	1928 - 1938	702148
AA	356m S	Unspecified Mills	1954	759502
J	359m W	Canal Wharf	1851	781586
13	360m W	Fire Station	1968 - 1992	750274
S	364m SW	Railway Station	1987 - 1992	715420
14	379m SW	Unspecified Works	1987 - 1992	723379
AC	381m S	Disused Canal	1976	754144
S	383m SW	Railway Station	1975	736403
W	393m S	Unspecified Commercial/Industrial	1891	728302
W	393m S	Unspecified Mill	1928 - 1938	774843
W	394m S	Unspecified Commercial/Industrial	1976	758934
W	394m S	Unspecified Mill	1954 - 1967	753507
AD	394m SE	Unspecified Commercial/Industrial	1891 - 1938	722582
W	395m S	Unspecified Commercial/Industrial	1938	643277
R	395m NE	Unspecified Ground Workings	1908	647986
AD	396m SE	Unspecified Commercial/Industrial	1954	744344
AD	396m SE	Unspecified Works	1967 - 1976	777113
AB	397m NW	Unspecified Works	1976	731372
AC	400m S	Unspecified Mills	1891	653255
W	403m S	Cotton Mill	1851	644451
16	404m NW	Unspecified Works	1976	784990
18	412m NE	Unspecified Heap	1967	650732
AA	414m S	Unspecified Mill	1967 - 1976	696391
W	416m S	Corn Mill	1851	672561
AB	417m NW	Refuse Heap	1851	677867
AC	418m SE	Unspecified Mill	1938 - 1976	730491
AC	419m SE	Unspecified Mill	1908 - 1928	743350



ID	Location	Land use	Dates present	Group ID
20	432m E	Unspecified Works	1967 - 1976	699959
W	433m SE	Stone Mill	1851	668483
AC	433m SE	Cotton Mill	1851	644452
21	438m NE	Unspecified Pit	1967	690654
W	452m S	Unspecified Mill	1967 - 1976	782062
W	453m S	Unspecified Mill	1967	737423
W	456m S	Unspecified Mill	1908 - 1938	712326
W	457m S	Unspecified Mill	1928 - 1954	701152
W	458m S	Unspecified Mill	1954	733816
W	459m S	Cotton Mill	1851	644453
Y	461m N	Unspecified Commercial/Industrial	1976	643254
Y	461m N	Unspecified Works	1967	678980
Y	466m N	Unspecified Heap	1928 - 1938	750094
AF	475m SW	Railway Building	1908 - 1928	707164
AH	477m NE	Unspecified Pit	1908	690653
Y	484m N	Unspecified Foundry	1954	737129
Y	484m N	Unspecified Commercial/Industrial	1976	699671
Y	487m N	Unspecified Mills	1891	653258
AI	488m S	Unspecified Works	1967 - 1976	713295
Y	494m N	Unspecified Works	1967	678978
Y	494m N	Unspecified Tank	1954	723263
Y	495m N	Unspecified Tank	1891 - 1938	780342
Y	497m N	Unspecified Mills	1908	653257
Y	497m N	Unspecified Commercial/Industrial	1928	719726
AI	498m S	Iron Works	1928 - 1938	725459
AI	498m S	Unspecified Mills	1908	766175
Y	498m N	Sanitary Depot	1891	784608
AH	500m NE	Railway Buildings	1928	681640

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

27

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
B	48m E	Tanks	1985	89774
B	48m E	Tanks	1985 - 1988	89871
A	53m S	Unspecified Tank	1891 - 1910	101382
I	110m SE	Unspecified Tank	1910	84333
K	180m SW	Unspecified Tank	1957	89359
K	181m SW	Unspecified Tank	1957	94891
K	184m SW	Unspecified Tank	1891	88900
2	189m SE	Unspecified Tank	1910	84334
P	266m SW	Unspecified Tank	1891	84335
P	292m SW	Unspecified Tank	1957	84318
R	362m NE	Unspecified Tank	1957 - 1958	101183
W	372m S	Unspecified Tank	1957	98079
W	372m S	Unspecified Tank	1891	84303
W	373m S	Unspecified Tank	1978	101999
W	373m S	Unspecified Tank	1891	97779
W	374m S	Unspecified Tank	1891	84304
R	380m NE	Unspecified Tank	1957	90902
R	382m NE	Unspecified Tank	1958	90484
AA	392m S	Unspecified Tank	1891	84305
Y	393m N	Unspecified Tank	1975 - 1995	101951
Y	395m N	Unspecified Tank	1982 - 1989	90042



ID	Location	Land use	Dates present	Group ID
Z	397m SE	Unspecified Tank	1891	84302
W	440m S	Unspecified Tank	1891	84307
W	442m SE	Unspecified Tank	1910	84299
AA	476m S	Unspecified Tank	1891	84306
W	479m S	Unspecified Tank	1891	84308
Y	496m N	Unspecified Tank	1957	103650

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

31

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
B	15m E	Electricity Substation	1985 - 1993	46743
B	35m E	Electricity Substation	1985 - 1993	56808
B	36m E	Electricity Substation	1982 - 1988	54361
L	168m N	Electricity Substation	1975 - 1989	50695
I	168m SE	Electricity Substation	1985 - 1993	53306
K	173m SW	Electricity Substation	1982 - 1993	52057
O	240m NW	Electricity Substation	1975	53685
O	241m NW	Electricity Substation	1982 - 1986	51185
O	250m NW	Electricity Substation	1995	50361
O	250m NW	Electricity Substation	1989	59415
U	294m E	Electricity Substation	1993	50322
U	294m E	Electricity Substation	1996	52300



ID	Location	Land use	Dates present	Group ID
U	294m E	Electricity Substation	1994	53934
U	295m E	Electricity Substation	1983	52359
U	297m E	Electricity Substation	1983	49418
U	297m E	Electricity Substation	1983	57666
U	297m E	Electricity Substation	1983	58340
R	322m NE	Electricity Substation	1985 - 1990	47499
W	345m SE	Electricity Substation	1988 - 1999	55209
12	352m W	Electricity Substation	1995	45542
W	355m S	Electricity Substation	1987 - 1995	50164
Y	390m N	Electricity Substation	1989	49710
Y	390m N	Electricity Substation	1986	50547
Y	390m N	Electricity Substation	1982	58820
Y	393m N	Electricity Substation	1975	45428
15	399m N	Electricity Substation	1975 - 1986	48202
Y	401m N	Electricity Substation	1995	45429
17	406m NW	Electricity Substation	1988 - 1998	54805
W	420m S	Electricity Substation	1988 - 1999	54089
19	420m NE	Electricity Substation	1985 - 1990	50004
AD	443m SE	Electricity Substation	1983 - 1996	56760

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

77

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
J	156m W	Garage	1985	17744
J	157m W	Garage	1988	16161
J	157m W	Garage	1993	16719
J	158m W	Garage	1982	17639
J	165m W	Garage	1985	16568
J	165m W	Garage	1982	18330
J	170m W	Garage	1957	19710
J	170m W	Garage	1982	19729
M	176m S	Garage	1991 - 1995	19062
M	176m S	Garage	1984 - 1988	17906
J	182m W	Garage	1985	16481
P	245m SW	Garage	1988	17013
O	247m NW	Garage	1975 - 1995	17879
O	247m NW	Garage	1957	15558
O	248m NW	Garage	1982 - 1989	18889
O	256m NW	Garage	1957	15501
J	269m NW	Garage	1957	15559
J	270m NW	Garage	1957	17517
P	277m SW	Garage	1957	18332
Q	278m N	Garage	1957	15280
Q	280m N	Garage	1957	16945



ID	Location	Land use	Dates present	Group ID
R	281m NE	Garage	1988 - 1990	19276
R	282m NE	Garage	1985	17041
P	307m SW	Garage	1985	15908
P	307m SW	Garage	1985	16004
P	307m SW	Garage	1991 - 1993	17470
P	319m SW	Garage	1984	17210
W	323m S	Garage	1991	15525
W	323m S	Garage	1993 - 1995	19552
X	333m N	Garage	1989 - 1995	18789
P	333m SW	Garage	1993 - 1995	18575
P	333m SW	Garage	1987	15194
11	349m W	Garage	1989 - 1995	17556
W	356m SE	Garage	1999	16675
R	381m NE	Garage	1957	15393
R	384m NE	Garage	1988 - 1990	18119
X	392m N	Garage	1989 - 1995	18798
X	393m N	Garage	1995	16313
W	393m S	Garage	1987 - 1988	18956
X	393m N	Garage	1975 - 1989	17871
W	394m S	Garage	1991	15232
X	394m N	Garage	1982 - 1986	19452
R	401m NE	Garage	1985	15857
AE	406m W	Garage	1978 - 1988	19829
AE	406m W	Garage	1957	17288
AE	407m W	Garage	1957	15286
AE	409m W	Garage	1978 - 1988	18965
X	413m N	Garage	1975 - 1986	18501
X	413m N	Garage	1989	16070



ID	Location	Land use	Dates present	Group ID
W	415m S	Garage	1993 - 1995	17675
R	416m NE	Garage	1957 - 1958	18198
AE	416m W	Garage	1957	16876
AF	419m W	Garage	1957	15896
AF	420m W	Garage	1957	16699
AF	421m W	Garage	1978 - 1985	17427
R	428m NE	Garage	1988 - 1990	17932
R	429m E	Garage	1985	15021
R	429m E	Garage	1957	16260
W	433m S	Garage	1999	15207
R	436m NE	Garage	1957	15856
R	437m NE	Garage	1958	16177
22	441m NW	Garage	1959	19131
AG	456m N	Garage	1989 - 1995	17922
AG	458m N	Garage	1986	15268
AF	468m W	Garage	1989	16249
W	473m S	Garage	1978 - 1984	17645
W	473m S	Garage	1957	15606
AF	481m W	Garage	1989	15383
AG	482m NW	Garage	1982	16109
W	486m S	Garage	1957	15071
AG	489m NW	Garage	1975 - 1982	17899
AJ	492m NW	Garage	1978 - 1987	18400
AJ	492m NW	Garage	1994 - 1998	19222
AJ	493m NW	Garage	1988	15931
AJ	493m NW	Garage	1959	15305
AJ	494m NW	Garage	1994 - 1998	19097
AJ	495m NW	Garage	1988	15081

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

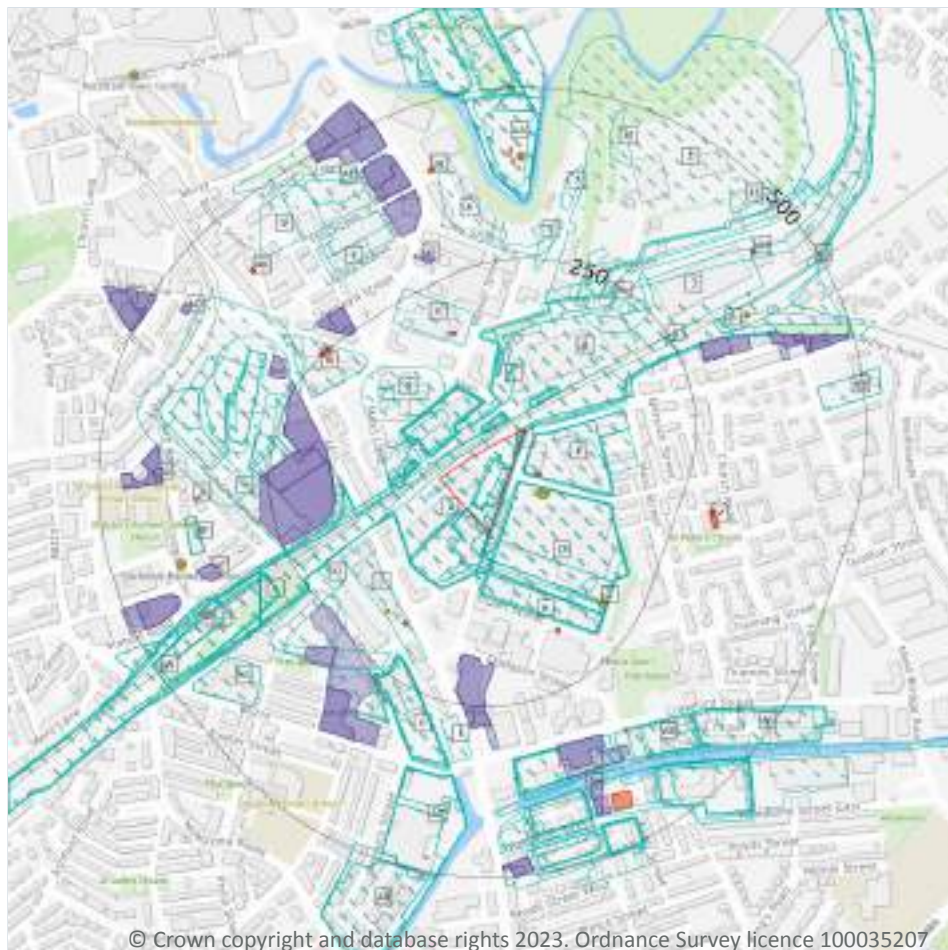
0

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.

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

281

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 29](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Railway Sidings	1976	750008
A	On site	Railway Building	1976	703711
A	On site	Railway Building	1976	778489



ID	Location	Land Use	Date	Group ID
A	On site	Railway Building	1976	784623
A	On site	Railway Building	1976	670150
A	On site	Goods Shed	1967	720470
A	On site	Railway Building	1967	778489
A	On site	Railway Building	1967	703711
A	On site	Railway Station	1851	672375
A	On site	Railway Works	1954	714102
A	On site	Railway Building	1954	761337
A	On site	Railway Building	1938	778206
A	On site	Railway Works	1938	768281
A	On site	Railway Building	1928	778206
A	On site	Railway Works	1928	768281
A	On site	Unspecified Commercial/Industrial	1908	780404
A	On site	Railway Building	1908	695310
A	On site	Railway Sidings	1891	730419
A	On site	Goods Shed	1891	784020
A	On site	Unspecified Commercial/Industrial	1891	780404
B	On site	Railway Sidings	1967	748671
B	On site	Railway Sidings	1954	724457
C	On site	Railway Buildings	1954	774628
C	On site	Railway Sidings	1938	728101
C	On site	Railway Buildings	1938	705301
C	On site	Railway Sidings	1928	696938
C	On site	Railway Buildings	1928	789144
C	On site	Railway Sidings	1908	695416
C	On site	Railway Buildings	1908	698514
A	6m W	Railway Sidings	1851	700493
A	10m SW	Unspecified Works	1976	780465



ID	Location	Land Use	Date	Group ID
A	10m SW	Unspecified Works	1967	780465
D	13m SE	Unspecified Works	1976	764500
D	13m SE	Unspecified Works	1967	764500
E	16m E	Unspecified Commercial/Industrial	1976	643278
E	16m E	Unspecified Works	1967	678981
E	16m E	Iron Works	1954	788568
D	17m SE	Railway Works	1954	734615
E	18m NE	Iron Works	1938	777339
E	18m NE	Iron Works	1928	777339
D	18m E	Railway Works	1938	783940
D	18m E	Railway Works	1928	783940
D	18m E	Railway Works	1908	783940
D	18m E	Iron Works	1891	672265
C	20m N	Railway Building	1976	754982
C	20m N	Railway Building	1967	754982
C	21m N	Railway Building	1954	787164
C	21m N	Railway Building	1938	741586
C	21m N	Railway Building	1928	741586
C	21m N	Railway Building	1908	741586
C	21m N	Railway Building	1891	741586
A	24m W	Warehouse	1851	685829
C	28m NE	Railway Building	1967	763284
C	32m NE	Railway Building	1954	708550
A	33m W	Goods Shed	1954	722112
C	35m NE	Railway Building	1938	780664
C	35m NE	Railway Building	1928	780664
C	35m NE	Railway Building	1908	780664
C	35m NE	Railway Building	1891	780664



ID	Location	Land Use	Date	Group ID
A	35m W	Railway Building	1976	670148
A	36m W	Goods Shed	1976	783873
A	36m W	Railway Buildings	1967	734808
A	37m NW	Goods Shed	1938	716811
A	37m NW	Goods Shed	1928	716811
A	37m NW	Goods Shed	1908	716811
A	37m NW	Goods Shed	1891	716811
A	38m W	Goods Station	1954	742210
A	39m W	Goods Station	1938	757419
A	39m W	Goods Station	1928	757419
A	39m W	Goods Station	1908	757419
A	39m W	Goods Station	1891	757419
E	40m NE	Iron Works	1908	735546
A	43m NW	Goods Shed	1967	704013
A	49m W	Railway Buildings	1938	700219
A	49m W	Railway Buildings	1928	700219
A	49m W	Railway Buildings	1908	700219
A	49m W	Railway Buildings	1891	700219
A	50m W	Railway Buildings	1954	734495
A	62m NW	Warehouse	1851	685828
F	71m N	Railway Building	1908	670152
G	85m NW	Goods Station	1967	721908
F	87m N	Railway Building	1954	744947
F	87m N	Railway Building	1928	783366
F	87m N	Railway Building	1908	783366
F	88m N	Railway Building	1891	786863
F	90m N	Railway Building	1928	716273
F	90m N	Railway Building	1908	716273



ID	Location	Land Use	Date	Group ID
G	106m NW	Goods Station	1976	721908
E	124m E	Unspecified Tank	1891	674682
F	128m N	Railway Building	1908	670154
G	133m NW	Smithy	1908	692927
H	134m S	Pump	1851	675586
I	136m W	Cotton Mill	1851	644263
F	137m N	Railway Building	1908	670153
J	141m SW	Cotton Mill	1851	644262
B	146m NE	Railway Building	1891	670159
K	149m N	Unspecified Works	1976	678979
B	153m NE	Railway Building	1967	670160
I	155m W	Unspecified Mills	1891	784043
I	160m W	Unspecified Commercial/Industrial	1976	643269
I	160m W	Unspecified Works	1967	678971
I	161m W	Unspecified Mills	1938	760532
I	161m W	Unspecified Mills	1928	760532
M	180m NE	Unspecified Tank	1928	789814
1	187m N	Refuse Heap	1976	777641
N	195m NW	Unspecified Mill	1976	657142
O	206m SW	Corn Mill	1851	672560
M	208m NE	Railway Building	1908	670158
3	208m NE	Unspecified Depot	1976	668802
4	210m SW	Warehouse	1851	685830
I	215m W	Cotton Mill	1851	644264
P	216m SW	Unspecified Works	1976	707456
P	217m SW	Unspecified Mills	1954	752158
P	218m SW	Unspecified Mills	1938	722970
P	218m SW	Unspecified Mills	1928	722970



ID	Location	Land Use	Date	Group ID
P	218m SW	Unspecified Mills	1908	722970
P	218m SW	Unspecified Mills	1891	699796
P	219m SW	Unspecified Works	1967	707456
I	219m W	Unspecified Mills	1938	747712
I	219m W	Unspecified Mills	1928	751941
I	219m W	Unspecified Mills	1908	751941
I	219m W	Unspecified Mills	1891	751941
P	222m SW	Unspecified Mills	1938	653260
M	223m NE	Railway Building	1954	706393
P	228m SW	Unspecified Works	1976	704354
M	228m NE	Railway Building	1938	706393
M	228m NE	Railway Building	1967	670157
M	230m NE	Unspecified Tank	1954	753870
M	232m NE	Refuse Heap	1967	790619
5	232m N	Unspecified Heap	1891	650729
P	235m SW	Unspecified Works	1967	704354
I	239m NW	Canal Wharf	1891	709844
Q	241m NE	Railway Building	1891	740982
Q	241m NE	Railway Building	1908	740982
I	243m W	Canal Wharf	1851	743911
O	248m SW	Railway Building	1954	670147
6	255m N	Sand Pit	1851	643880
I	259m NW	Unspecified Wharf	1949	675228
P	260m SW	Unspecified Mills	1954	771371
P	264m SW	Unspecified Tank	1891	674683
P	264m SW	Unspecified Mill	1967	657141
L	265m S	Unspecified Works	1976	678970
I	288m W	Canal Wharf	1851	758041



ID	Location	Land Use	Date	Group ID
I	288m W	Canal Wharf	1928	719474
I	288m W	Canal Wharf	1908	719474
T	289m SW	Railway Station	1938	699770
T	289m SW	Railway Station	1928	699770
T	289m SW	Railway Station	1908	699770
T	289m SW	Railway Station	1891	699770
I	289m W	Canal Wharf	1938	765554
U	290m SW	Railway Buildings	1954	681657
U	291m SW	Railway Station	1967	776975
T	292m W	Railway Sidings	1992	748827
T	292m W	Railway Sidings	1987	748827
T	293m W	Railway Sidings	1975	750008
W	297m W	Railway Sidings	1949	710047
W	297m W	Railway Sidings	1968	750008
T	303m SW	Railway Station	1949	705819
T	303m SW	Railway Station	1968	788533
I	308m W	Unspecified Depot	1968	668804
I	311m W	Canal Basin	1851	656579
I	311m W	Unspecified Commercial/Industrial	1938	730493
I	311m W	Unspecified Commercial/Industrial	1891	699512
P	314m SW	Saw Pit	1851	680286
X	322m NW	Rope Walk	1851	641261
S	325m NE	Unspecified Pit	1938	779832
S	325m NE	Unspecified Pit	1908	700288
S	325m NE	Unspecified Pit	1891	700288
Y	325m S	Unspecified Commercial/Industrial	1976	760241
Y	325m S	Unspecified Commercial/Industrial	1967	760241
Y	326m S	Unspecified Mills	1938	768190



ID	Location	Land Use	Date	Group ID
Y	326m S	Unspecified Mills	1928	768190
Y	326m S	Unspecified Mills	1908	768190
7	327m N	Unspecified Heap	1891	650731
Y	327m S	Unspecified Mills	1954	696777
Y	328m S	Cotton Mill	1851	644450
X	333m NW	Unspecified Mill	1976	657137
AA	333m N	Unspecified Heap	1967	766970
AA	333m N	Sanitary Depot	1954	746826
AA	333m N	Unspecified Heap	1954	766970
AA	337m N	Sanitary Depot	1938	710013
AA	337m N	Sanitary Depot	1928	749002
AA	337m N	Sanitary Depot	1908	749002
AA	343m N	Refuse Heap	1908	677866
AB	344m SE	Unspecified Mill	1976	773309
AB	344m SE	Unspecified Mill	1967	773309
AB	351m SE	Unspecified Mill	1954	766233
AD	353m S	Unspecified Mill	1938	735007
AD	353m S	Unspecified Mill	1928	735007
AD	353m S	Unspecified Mills	1908	715677
AD	353m S	Unspecified Commercial/Industrial	1891	643268
AA	355m N	Incinerator	1976	665537
AD	356m S	Unspecified Mill	1976	720646
AD	356m S	Unspecified Mill	1967	720646
AE	356m NW	Brick Field	1851	668540
AB	356m SE	Unspecified Mill	1938	702148
AB	356m SE	Unspecified Mill	1928	702148
AB	356m SE	Unspecified Commercial/Industrial	1891	757657
AD	356m S	Unspecified Mills	1954	759502



ID	Location	Land Use	Date	Group ID
I	359m W	Canal Wharf	1851	781586
AF	360m W	Fire Station	1992	750274
AF	360m W	Fire Station	1987	750274
AF	360m W	Fire Station	1975	750274
AF	360m W	Fire Station	1968	750274
T	364m SW	Railway Station	1992	715420
T	364m SW	Railway Station	1987	715420
AG	379m SW	Unspecified Works	1992	723379
AG	379m SW	Unspecified Works	1987	723379
AH	381m S	Disused Canal	1976	754144
T	383m SW	Railway Station	1975	736403
Y	393m S	Unspecified Mill	1938	774843
Y	393m S	Unspecified Mill	1928	774843
Y	393m S	Unspecified Commercial/Industrial	1891	728302
Y	394m S	Unspecified Commercial/Industrial	1976	758934
Y	394m S	Unspecified Mill	1967	753507
AI	394m SE	Unspecified Commercial/Industrial	1938	722582
AI	394m SE	Unspecified Commercial/Industrial	1928	722582
AI	394m SE	Unspecified Commercial/Industrial	1908	722582
AI	394m SE	Unspecified Commercial/Industrial	1891	722582
Y	395m S	Unspecified Commercial/Industrial	1938	643277
S	395m NE	Unspecified Ground Workings	1908	647986
AI	396m SE	Unspecified Commercial/Industrial	1954	744344
AI	396m SE	Unspecified Works	1976	777113
AI	396m SE	Unspecified Works	1967	777113
Y	396m S	Unspecified Mill	1954	753507
AE	397m NW	Unspecified Works	1976	731372
AH	400m S	Unspecified Mills	1891	653255



ID	Location	Land Use	Date	Group ID
Y	403m S	Cotton Mill	1851	644451
9	404m NW	Unspecified Works	1976	784990
10	412m NE	Unspecified Heap	1967	650732
AD	414m S	Unspecified Mill	1976	696391
AD	414m S	Unspecified Mill	1967	696391
Y	416m S	Corn Mill	1851	672561
AE	417m NW	Refuse Heap	1851	677867
AH	418m SE	Unspecified Mill	1954	730491
AH	419m SE	Unspecified Mill	1976	730491
AH	419m SE	Unspecified Mill	1967	730491
AH	419m SE	Unspecified Mill	1938	730491
AH	419m SE	Unspecified Mill	1928	743350
AH	419m SE	Unspecified Mill	1908	743350
AN	432m E	Unspecified Works	1976	699959
AN	432m E	Unspecified Works	1967	699959
Y	433m SE	Stone Mill	1851	668483
AH	433m SE	Cotton Mill	1851	644452
11	438m NE	Unspecified Pit	1967	690654
Y	452m S	Unspecified Mill	1976	782062
Y	453m S	Unspecified Mill	1967	737423
Y	456m S	Unspecified Mill	1967	782062
Y	456m S	Unspecified Mill	1938	712326
Y	456m S	Unspecified Mill	1928	712326
Y	456m S	Unspecified Mill	1908	712326
Y	457m S	Unspecified Mill	1954	701152
Y	458m S	Unspecified Mill	1954	733816
Y	459m S	Cotton Mill	1851	644453
AA	461m N	Unspecified Commercial/Industrial	1976	643254



ID	Location	Land Use	Date	Group ID
AA	461m N	Unspecified Works	1967	678980
Y	463m S	Unspecified Mill	1938	701152
Y	463m S	Unspecified Mill	1928	701152
AA	466m N	Unspecified Heap	1938	750094
AA	466m N	Unspecified Heap	1928	750094
T	475m SW	Railway Building	1928	707164
T	475m SW	Railway Building	1908	707164
AQ	477m NE	Unspecified Pit	1908	690653
AA	484m N	Unspecified Foundry	1954	737129
AA	484m N	Unspecified Commercial/Industrial	1976	699671
AA	487m N	Unspecified Mills	1891	653258
AR	488m S	Unspecified Works	1976	713295
AR	488m S	Unspecified Works	1967	713295
AA	494m N	Unspecified Works	1967	678978
AA	494m N	Unspecified Tank	1954	723263
AA	495m N	Unspecified Tank	1938	780342
AA	495m N	Unspecified Tank	1928	780342
AA	495m N	Unspecified Tank	1908	780342
AA	495m N	Unspecified Tank	1891	780342
AA	497m N	Unspecified Commercial/Industrial	1928	719726
AA	497m N	Unspecified Mills	1908	653257
AR	498m S	Iron Works	1938	725459
AR	498m S	Iron Works	1928	725459
AR	498m S	Unspecified Mills	1908	766175
AA	498m N	Sanitary Depot	1891	784608
AQ	500m NE	Railway Buildings	1928	681640

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

36

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 29](#) >

ID	Location	Land Use	Date	Group ID
C	48m E	Tanks	1985	89774
C	48m E	Tanks	1988	89871
C	48m E	Tanks	1985	89871
A	53m S	Unspecified Tank	1910	101382
A	54m S	Unspecified Tank	1891	101382
H	110m SE	Unspecified Tank	1910	84333
J	180m SW	Unspecified Tank	1957	89359
J	181m SW	Unspecified Tank	1957	94891
J	184m SW	Unspecified Tank	1891	88900
2	189m SE	Unspecified Tank	1910	84334
P	266m SW	Unspecified Tank	1891	84335
P	292m SW	Unspecified Tank	1957	84318
S	362m NE	Unspecified Tank	1957	101183
S	362m NE	Unspecified Tank	1957	101183
S	363m NE	Unspecified Tank	1958	101183
Y	372m S	Unspecified Tank	1957	98079
Y	372m S	Unspecified Tank	1891	84303
Y	373m S	Unspecified Tank	1978	101999
Y	373m S	Unspecified Tank	1891	97779
Y	374m S	Unspecified Tank	1891	84304
S	380m NE	Unspecified Tank	1957	90902
S	381m NE	Unspecified Tank	1957	90902
S	382m NE	Unspecified Tank	1958	90484



ID	Location	Land Use	Date	Group ID
AD	392m S	Unspecified Tank	1891	84305
AA	393m N	Unspecified Tank	1995	101951
AA	395m N	Unspecified Tank	1982	90042
AA	395m N	Unspecified Tank	1986	90042
AA	395m N	Unspecified Tank	1989	90042
AA	395m N	Unspecified Tank	1975	101951
AB	397m SE	Unspecified Tank	1891	84302
Y	440m S	Unspecified Tank	1891	84307
Y	442m SE	Unspecified Tank	1910	84299
AD	476m S	Unspecified Tank	1891	84306
Y	479m S	Unspecified Tank	1891	84308
AA	496m N	Unspecified Tank	1957	103650
AA	497m N	Unspecified Tank	1957	103650

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

67

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 29](#) >

ID	Location	Land Use	Date	Group ID
C	15m E	Electricity Substation	1993	46743
C	16m E	Electricity Substation	1988	46743
C	16m E	Electricity Substation	1985	46743
C	35m E	Electricity Substation	1985	56808
C	35m E	Electricity Substation	1993	56808
C	36m E	Electricity Substation	1982	54361
C	36m E	Electricity Substation	1982	54361



ID	Location	Land Use	Date	Group ID
C	36m E	Electricity Substation	1982	54361
C	36m E	Electricity Substation	1988	54361
C	36m E	Electricity Substation	1985	54361
K	168m N	Electricity Substation	1975	50695
H	168m SE	Electricity Substation	1993	53306
H	168m SE	Electricity Substation	1988	53306
H	168m SE	Electricity Substation	1985	53306
K	169m N	Electricity Substation	1982	50695
K	169m N	Electricity Substation	1986	50695
K	169m N	Electricity Substation	1989	50695
H	169m SE	Electricity Substation	1985	53306
J	173m SW	Electricity Substation	1993	52057
J	174m SW	Electricity Substation	1985	52057
J	174m SW	Electricity Substation	1982	52057
J	174m SW	Electricity Substation	1982	52057
J	174m SW	Electricity Substation	1982	52057
J	174m SW	Electricity Substation	1988	52057
J	174m SW	Electricity Substation	1985	52057
N	240m NW	Electricity Substation	1975	53685
N	241m NW	Electricity Substation	1982	51185
N	241m NW	Electricity Substation	1986	51185
N	250m NW	Electricity Substation	1995	50361
N	250m NW	Electricity Substation	1989	59415
V	294m E	Electricity Substation	1996	52300
V	294m E	Electricity Substation	1994	53934
V	294m E	Electricity Substation	1993	50322
V	295m E	Electricity Substation	1983	52359
V	297m E	Electricity Substation	1983	58340



ID	Location	Land Use	Date	Group ID
V	297m E	Electricity Substation	1983	49418
V	297m E	Electricity Substation	1983	57666
S	322m NE	Electricity Substation	1985	47499
S	322m NE	Electricity Substation	1988	47499
S	322m NE	Electricity Substation	1990	47499
Y	345m SE	Electricity Substation	1999	55209
Y	346m SE	Electricity Substation	1988	55209
8	352m W	Electricity Substation	1995	45542
Y	355m S	Electricity Substation	1991	50164
Y	356m S	Electricity Substation	1987	50164
Y	357m S	Electricity Substation	1995	50164
Y	357m S	Electricity Substation	1993	50164
AA	390m N	Electricity Substation	1982	58820
AA	390m N	Electricity Substation	1986	50547
AA	390m N	Electricity Substation	1989	49710
AA	393m N	Electricity Substation	1975	45428
AJ	399m N	Electricity Substation	1975	48202
AJ	400m N	Electricity Substation	1982	48202
AJ	400m N	Electricity Substation	1986	48202
AA	401m N	Electricity Substation	1995	45429
AK	406m NW	Electricity Substation	1994	54805
AK	406m NW	Electricity Substation	1998	54805
AK	406m NW	Electricity Substation	1988	54805
Y	420m S	Electricity Substation	1999	54089
AM	420m NE	Electricity Substation	1985	50004
AM	420m NE	Electricity Substation	1988	50004
AM	420m NE	Electricity Substation	1990	50004
Y	420m S	Electricity Substation	1988	54089



ID	Location	Land Use	Date	Group ID
AI	443m SE	Electricity Substation	1996	56760
AI	443m SE	Electricity Substation	1994	56760
AI	443m SE	Electricity Substation	1993	56760
AI	444m SE	Electricity Substation	1983	56760

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	127
----------------------------	------------

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 29 >](#)

ID	Location	Land Use	Date	Group ID
I	156m W	Garage	1985	17744
I	157m W	Garage	1988	16161
I	157m W	Garage	1993	16719
I	158m W	Garage	1982	17639
I	158m W	Garage	1982	17639
I	158m W	Garage	1982	17639
I	158m W	Garage	1985	17744
I	165m W	Garage	1985	16568
I	165m W	Garage	1982	18330



ID	Location	Land Use	Date	Group ID
I	165m W	Garage	1982	18330
I	165m W	Garage	1982	18330
I	170m W	Garage	1957	19710
I	170m W	Garage	1957	19710
I	170m W	Garage	1982	19729
I	170m W	Garage	1982	19729
I	170m W	Garage	1982	19729
L	176m S	Garage	1993	19062
L	176m S	Garage	1988	17906
L	176m S	Garage	1985	17906
I	182m W	Garage	1985	16481
P	245m SW	Garage	1988	17013
N	247m NW	Garage	1995	17879
N	247m NW	Garage	1957	15558
N	247m NW	Garage	1975	17879
N	248m NW	Garage	1982	18889
N	248m NW	Garage	1986	18889
N	248m NW	Garage	1989	18889
L	248m S	Garage	1985	17906
N	256m NW	Garage	1957	15501
L	259m S	Garage	1995	19062
L	259m S	Garage	1993	19062
L	259m S	Garage	1984	17906
L	259m S	Garage	1991	19062
L	259m S	Garage	1987	17906
I	269m NW	Garage	1957	15559
I	270m NW	Garage	1957	17517
I	274m NW	Garage	1957	17517



ID	Location	Land Use	Date	Group ID
I	274m NW	Garage	1957	17517
P	277m SW	Garage	1957	18332
P	277m SW	Garage	1957	18332
R	278m N	Garage	1957	15280
R	280m N	Garage	1957	16945
S	281m NE	Garage	1988	19276
S	281m NE	Garage	1990	19276
S	282m NE	Garage	1985	17041
P	307m SW	Garage	1985	15908
P	307m SW	Garage	1985	16004
P	307m SW	Garage	1993	17470
P	319m SW	Garage	1984	17210
P	319m SW	Garage	1991	17470
Y	323m S	Garage	1991	15525
Y	323m S	Garage	1995	19552
Y	323m S	Garage	1993	19552
Z	333m N	Garage	1989	18789
Z	333m N	Garage	1995	18789
P	333m SW	Garage	1995	18575
P	333m SW	Garage	1993	18575
P	333m SW	Garage	1987	15194
AC	349m W	Garage	1995	17556
AC	349m W	Garage	1989	17556
Y	356m SE	Garage	1999	16675
S	381m NE	Garage	1957	15393
S	384m NE	Garage	1988	18119
S	384m NE	Garage	1990	18119
Z	392m N	Garage	1995	18798



ID	Location	Land Use	Date	Group ID
Z	393m N	Garage	1995	16313
Y	393m S	Garage	1987	18956
Z	393m N	Garage	1989	17871
Y	394m S	Garage	1991	15232
Z	394m N	Garage	1975	17871
Z	394m N	Garage	1982	19452
Z	394m N	Garage	1986	19452
Z	394m N	Garage	1989	18798
S	401m NE	Garage	1985	15857
AL	406m W	Garage	1988	19829
AL	406m W	Garage	1978	19829
AL	406m W	Garage	1985	19829
AL	406m W	Garage	1957	17288
AL	407m W	Garage	1957	17288
AL	407m W	Garage	1957	15286
AL	409m W	Garage	1988	18965
AL	409m W	Garage	1978	18965
AL	409m W	Garage	1985	18965
Z	413m N	Garage	1975	18501
Z	413m N	Garage	1982	18501
Z	413m N	Garage	1986	18501
Z	413m N	Garage	1989	16070
Y	415m S	Garage	1995	17675
Y	415m S	Garage	1993	17675
S	416m NE	Garage	1957	18198
Y	416m S	Garage	1988	18956
S	416m NE	Garage	1958	18198
AL	416m W	Garage	1957	16876



ID	Location	Land Use	Date	Group ID
T	419m W	Garage	1957	15896
T	420m W	Garage	1957	16699
T	421m W	Garage	1978	17427
T	421m W	Garage	1985	17427
S	428m NE	Garage	1988	17932
S	428m NE	Garage	1990	17932
S	429m E	Garage	1985	15021
S	429m E	Garage	1957	16260
Y	433m S	Garage	1999	15207
S	436m NE	Garage	1957	15856
S	437m NE	Garage	1958	16177
AO	441m NW	Garage	1959	19131
AO	441m NW	Garage	1959	19131
AP	456m N	Garage	1995	17922
AP	458m N	Garage	1986	15268
AP	459m N	Garage	1989	17922
T	468m W	Garage	1989	16249
Y	473m S	Garage	1978	17645
Y	473m S	Garage	1984	17645
Y	473m S	Garage	1957	15606
T	481m W	Garage	1989	15383
AP	482m NW	Garage	1982	16109
Y	486m S	Garage	1957	15071
AP	489m NW	Garage	1982	17899
AP	489m NW	Garage	1975	17899
AS	492m NW	Garage	1987	18400
AS	492m NW	Garage	1978	18400
AS	492m NW	Garage	1998	19222

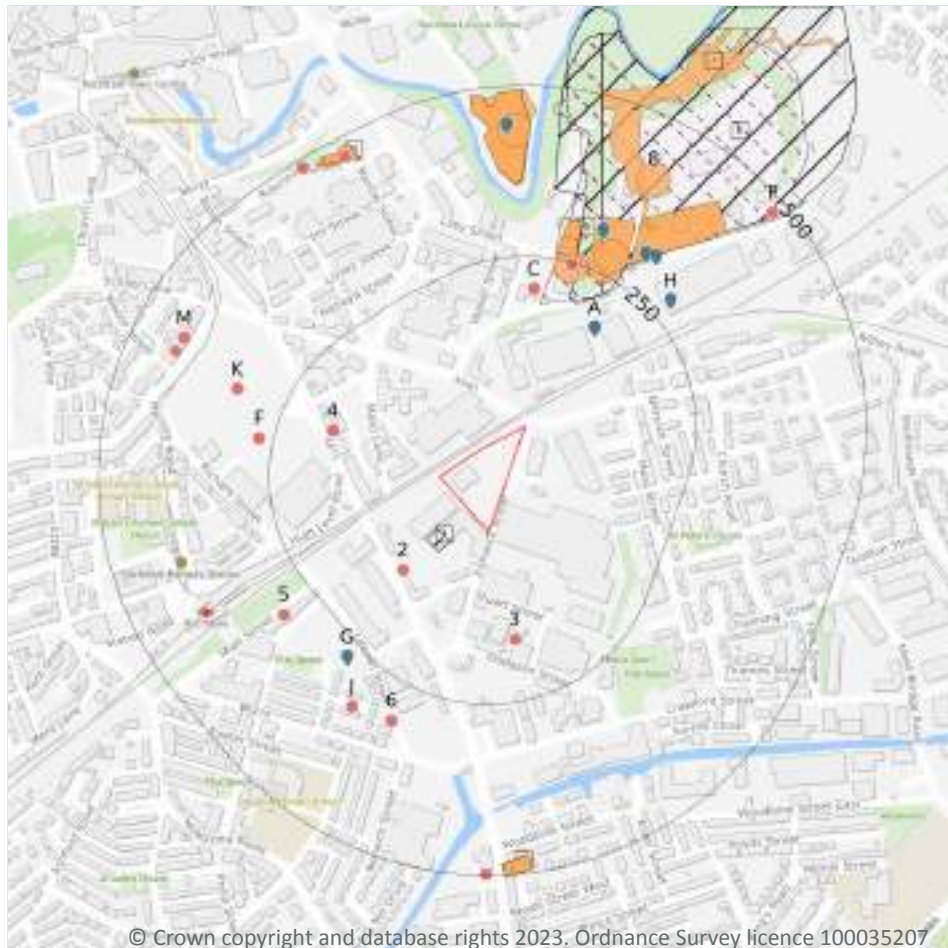


ID	Location	Land Use	Date	Group ID
AS	492m NW	Garage	1994	19222
AS	493m NW	Garage	1988	15931
AS	493m NW	Garage	1959	15305
AS	494m NW	Garage	1998	19097
AS	494m NW	Garage	1994	19097
AS	495m NW	Garage	1988	15081

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (LA/OS)
- 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

4

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

Features are displayed on the Waste and landfill map on [page 50 >](#)

ID	Location	Site address	Source	Data type
B	181m N	Refuse Tip	1957 mapping	Polygon
B	198m NE	Refuse Tip	1962 mapping	Polygon
B	198m NE	Refuse Tip	1986 mapping	Polygon
E	224m NE	Refuse Tip	1956 mapping	Polygon

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 50 >](#)

ID	Location	Details		
1	48m SW	Site Address: Fishwick Street, Rochdale Licence Holder Address: Off Fishwick Street, Rochdale	Waste Licence: Yes Site Reference: RD/LIC/477/87 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 04/06/1987 Licence Surrender: 10/10/1990	Operator: - Licence Holder: Rochdale Timber Company First Recorded 01/07/1987 Last Recorded: 31/12/1989
E	255m NE	Site Address: Waithlands, Milnrow, Richdale, Greater Manchester Licence Holder Address: -	Waste Licence: Yes Site Reference: D026, RD/RES/045/80 Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 15/03/1985 Licence Surrender: 31/12/1991	Operator: County Borough of Rochdale Licence Holder: Greater Manchester Waste Disposal Authority First Recorded 31/12/1922 Last Recorded: 07/07/1985



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

3.5 Historical waste sites

Records within 500m	30
----------------------------	-----------

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 50 >](#)

ID	Location	Address	Further Details	Date
D	220m NE	Site Address: Greater Manchester Waste Dispo, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Type of Site: Biowaste Transfer Station Planning application reference: 18/00329/SO Description: Scheme comprises request for screening opinion in respect of a biowaste transfer station. Data source: Historic Planning Application Data Type: Point	11/04/2018
D	233m NE	Site Address: N/A	Type of Site: Waste Disposal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
D	233m NE	Site Address: N/A	Type of Site: Waste Disposal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
D	237m NE	Site Address: Greater Manchester Waste Dispo, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Type of Site: Biowaste Transfer Station Planning application reference: 19/00760/FUL Description: Scheme comprises development of a biowaste transfer station and wheel wash with two 10 meters high fire water tank on the site of a former in-vessel composting facility and construction of 3 kiosks. Scheme also includes polycarbonate. Data source: Historic Planning Application Data Type: Point	05/07/2019
D	253m NE	Site Address: N/A	Type of Site: Waste Disposal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989



ID	Location	Address	Further Details	Date
D	254m NE	Site Address: Waithlands, Chichester Street, ROCHDALE, Greater Manchester, OL16 2	Type of Site: Waste Transfer Station Planning application reference: 07/D49003 Description: Scheme comprises formation of waste resource centre - to include transfer loading station, materials recovery facility and an in vessel composting facility. An application (ref: 07/D49003) for detailed planning permission was granted by Rochdale B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	16/12/2007
D	255m NE	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	256m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
D	256m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
D	283m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
I	283m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
I	283m NE	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
7	343m NE	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1958



ID	Location	Address	Further Details	Date
L	353m N	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
L	355m N	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1976
L	355m N	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1957
L	356m N	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1962
L	356m N	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
L	356m N	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
8	383m NE	Site Address: Waithlands, Chichester Street, ROCHDALE, Greater Manchester, OL16 2AX	Type of Site: Recycling Centre Planning application reference: 07/D49859 Description: Scheme comprises redevelopment and extension of household waste recycling centre, construction of an In-Vessel composting and transfer loading station. An application (ref: 07/D49859) for detailed planning permission was granted by Rochdale B.C. This is part of the PFI waste management scheme, lead 05087716 Costain has been awarded the main contract. Works have commenced on site. Please note the addition of the M&E sub contractor. Data source: Historic Planning Application Data Type: Point	01/07/2009



ID	Location	Address	Further Details	Date
L	409m N	Site Address: Rochdale Incineration Plant, Entwisle Road, ROCHDALE, Greater Manchester, OL16 2	Type of Site: Waste Transfer Station Incinerator Building Planning application reference: D31785 Description: Scheme provides conversion of incineration plant into waste transfer station and re-cycling facility. Construction - roller shutter x 3 doors. Scheme provides conversion of incineration plant into waste transfer station and re-cycling facility. An ation (ref: D31785) for Detailed Planning permission was submitted to Rochdale B.C. on 10th March 1995. Data source: Historic Planning Application Data Type: Point	01/09/199 5
N	457m N	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
N	459m N	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1957
N	459m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
N	467m NW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1962
N	467m NW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
O	472m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993



ID	Location	Address	Further Details	Date
O	472m S	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
O	472m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985
O	473m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985

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

3.6 Licensed waste sites

Records within 500m	26
----------------------------	-----------

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

Features are displayed on the Waste and landfill map on [page 50 >](#)

ID	Location	Details		
A	176m NE	Site Name: Waithlands Civic Amenity Site Site Address: Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GMW010 EPR reference: - Operator: G M Waste Ltd Waste Management licence No: 53513 Annual Tonnage: 3943.33	Issue Date: 01/02/1995 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
A	176m NE	Site Name: Waithlands Civic Amenity Site Site Address: Land/premises At, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GMW010 EPR reference: EA/EPR/FP3792CE/V002 Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 53513 Annual Tonnage: 3943.333	Issue Date: 01/02/1995 Effective Date: - Modified: 15/06/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	176m NE	Site Name: Waithlands Civic Amenity Site Site Address: Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GMW010 EPR reference: FP3792CE/V Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 53513 Annual Tonnage: 3943	Issue Date: 01/02/1995 Effective Date: - Modified: 15/06/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	176m NE	Site Name: Waithlands Civic Amenity Site Site Address: Land/premises At, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GMW010 EPR reference: EA/EPR/FP3792CE/V002 Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 53513 Annual Tonnage: 3943.333	Issue Date: 01/02/1995 Effective Date: - Modified: 15/06/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked



ID	Location	Details		
A	176m NE	Site Name: Waithlands Civic Amenity Site Site Address: Viridor Waste (Greater Manchester) Limited, Land/premises At, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 632899 EPR reference: EA/EPR/FP3792CE Operator: Viridor Waste (Greater Manchester) Limited Waste Management licence No: 53513 Annual Tonnage: 3943	Issue Date: 01/02/1995 Effective Date: 01/02/1995 Modified: 01/02/1995 Surrendered Date: - Expiry Date: - Cancelled Date: 01/02/1995 Status: Revoked
G	274m SW	Site Name: Rochdale Auto Spares Site Address: Cronshaw Industrial Estate, Lincoln Street, Deepdish, Rochdale, Lancashire, OL11 1LR Correspondence Address: 4, Harwin Close, Shawclough, Rochdale, Lancashire, OL12 7UY	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AAL001 EPR reference: - Operator: Mohammed Asam & Habib Ahmed Latif Waste Management licence No: 50378 Annual Tonnage: 0	Issue Date: 04/04/2005 Effective Date: 03/10/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
G	274m SW	Site Name: Rochdale Auto Spares Site Address: Cronshaw Industrial Estate, Lincoln Street, Deepdish, Rochdale, Lancashire, OL11 1LR Correspondence Address: 81-119, Durham Street, Cronshaw Ind. Estate, Rochdale, Lancs, OL11 1LR	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JAP001 EPR reference: - Operator: Shehzad Suleman And Habib Latif Waste Management licence No: 50378 Annual Tonnage: 0	Issue Date: 04/04/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	274m SW	Site Name: Rochdale Auto Spares Site Address: Cronshaw Industrial Estate, Lincoln Street, Deepdish, Rochdale, Lancashire, OL11 1LR Correspondence Address: Shehzad Suleman, 81-119, Durham Street, Cronshaw Ind. Estate, Rochdale, Lancs, OL11 1LR	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JAP001 EPR reference: - Operator: Shehzad Suleman And Habib Latif Waste Management licence No: 50378 Annual Tonnage: 0	Issue Date: 04/04/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
G	274m SW	Site Name: Rochdale Auto Spares Site Address: Mohammed Asam & Habib Ahmed Latif, Cronshaw Industrial Estate, Lincoln Street, Deeplish, Rochdale, Lancashire, OL11 1LR Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655049 EPR reference: EA/EPR/ZP3194CL Operator: Mohammed Asam & Habib Ahmed Latif Waste Management licence No: 50378 Annual Tonnage: 0	Issue Date: 04/04/2005 Effective Date: 04/04/2005 Modified: - Surrendered Date: 04/04/2005 Expiry Date: - Cancelled Date: 04/04/2005 Status: Surrendered
H	281m NE	Site Name: Allparts Vehicle Dismantlers Site Address: Plots 10 & 11, Chichester Street, Rochdale, OL16 2AU Correspondence Address: Plots 10 & 11, Chichester Street, Rochdale, OL16 2AU	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RSR001 EPR reference: - Operator: Allparts Rochdale Ltd Waste Management licence No: 53593 Annual Tonnage: 152.8	Issue Date: 06/08/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	281m NE	Site Name: Robert Stuart Raynor Site Address: Plots 10 & 11, Chichester Street, Rochdale, OL16 2AU Correspondence Address: Robert Stuart Raynor, Brink Top Farm, Brink Top, Todmorden, OL14 6JB	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RSR001 EPR reference: - Operator: Robert Stuart Raynor Waste Management licence No: 53593 Annual Tonnage: 153	Issue Date: 06/08/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	308m NE	Site Name: Allparts (Rochdale) Limited Site Address: Unit 10 & 11, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ALL138 EPR reference: EA/EPR/NB3838RA/T001 Operator: Allparts (Rochdale) Limited Waste Management licence No: 53593 Annual Tonnage: 2499	Issue Date: 06/08/1996 Effective Date: 24/04/2013 Modified: 05/06/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
D	308m NE	Site Name: Allparts (nationwide) Ltd Site Address: Unit 10 & 11, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ALL148 EPR reference: EA/EPR/NB3838RA/T001 Operator: Allparts (nationwide) Limited Waste Management licence No: 53593 Annual Tonnage: 2499	Issue Date: 06/08/1996 Effective Date: 14/03/2016 Modified: 05/06/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	308m NE	Site Name: Allparts (nationwide) Ltd Site Address: Allparts (Nationwide) Limited, Unit 10 & 11, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631082 EPR reference: EA/EPR/NB3838RA Operator: Allparts (Nationwide) Limited Waste Management licence No: 53593 Annual Tonnage: 2499	Issue Date: 06/08/1996 Effective Date: 06/08/1996 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 06/08/1996 Status: Issued
D	308m NE	Site Name: Waithlands Site Address: Waithlands, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRE093 EPR reference: EA/EPR/YP3295EK/V002 Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 100187 Annual Tonnage: 170000	Issue Date: 28/03/2008 Effective Date: - Modified: 15/06/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	308m NE	Site Name: Waithlands H W R C, T L S And I V C Site Address: Waithlands H W R C, T L S & I V C, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRE093 EPR reference: EA/EPR/YP3295EK/V003 Operator: Viridor Waste (Greater Manchester) Limited Waste Management licence No: 100187 Annual Tonnage: 170000	Issue Date: 28/03/2008 Effective Date: - Modified: 04/09/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	308m NE	Site Name: Waithlands Site Address: Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: P O Box 151, Higher Swan Lane, Bolton, BL3 3WW	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRE093 EPR reference: - Operator: Greater Manchester Waste Ltd Waste Management licence No: 100187 Annual Tonnage: 0	Issue Date: 28/03/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	308m NE	Site Name: Waithlands H W R C, T L S And I V C Site Address: Waithlands H W R C, T L S & I V C, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRE093 EPR reference: EA/EPR/YP3295EK/V004 Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 100187 Annual Tonnage: 74999	Issue Date: 28/03/2008 Effective Date: - Modified: 10/09/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	308m NE	Site Name: Waithlands H W R C, T L S And I V C Site Address: Waithlands H W R C, T L S & I V C, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUE014 EPR reference: EA/EPR/GB3907ML/T001 Operator: S U E Z Recycling And Recovery U K Ltd Waste Management licence No: 100187 Annual Tonnage: 74999	Issue Date: 28/03/2008 Effective Date: 01/06/2019 Modified: 14/05/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	308m NE	Site Name: Waithlands H W R C, T L S And I V C Site Address: Waithlands H W R C, T L S & I V C, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRE093 EPR reference: EA/EPR/YP3295EK/V005 Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 100187 Annual Tonnage: 74999	Issue Date: 28/03/2008 Effective Date: - Modified: 14/05/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	308m NE	Site Name: Waithlands H W R C, T L S And I V C Site Address: Suez Recycling And Recovery Uk Ltd, Waithlands H W R C, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 638061 EPR reference: EA/EPR/GB3907ML Operator: Suez Recycling And Recovery Uk Ltd Waste Management licence No: 100187 Annual Tonnage: 74999	Issue Date: 28/03/2008 Effective Date: 28/03/2008 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 28/03/2008 Status: Issued



ID	Location	Details		
D	312m NE	Site Name: Allparts Rochdale Site Address: Plots 10 & 11, Chichester Street, Rochdale, Lancashire, OL16 2AU Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RSR001 EPR reference: EA/EPR/RP3992CG/V002 Operator: Robert Stuart Raynor Waste Management licence No: 53593 Annual Tonnage: 152.8	Issue Date: 06/08/1996 Effective Date: - Modified: 05/06/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
L	442m N	Site Name: Rochdale Transfer Loading Station Site Address: Old Rochdale Incinerator, Entwistle Road, Rochdale, Lancashire, OL16 2JE Correspondence Address: Po Box 151, Higher Swan Lane, Bolton, Lancashire, BL3 3WW	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GMW014 EPR reference: - Operator: G M Waste Ltd Waste Management licence No: 53780 Annual Tonnage: 7800	Issue Date: 10/06/1993 Effective Date: - Modified: 28/03/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
L	442m N	Site Name: Rochdale Transfer Loading Station Site Address: Old Rochdale Incinerator, Entwistle Road, Rochdale, Lancashire, OL6 2HZ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GMW014 EPR reference: EA/EPR/CP3296CH/S005 Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 53780 Annual Tonnage: 1653600	Issue Date: 10/06/1993 Effective Date: - Modified: 28/05/2009 Surrendered Date: 06/01/2011 Expiry Date: - Cancelled Date: - Status: Surrendered
L	442m N	Site Name: Rochdale Transfer Loading Station Site Address: Old Rochdale Incinerator, Entwistle Road, Rochdale, Lancashire, OL6 2HZ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: GMW014 EPR reference: EA/EPR/CP3296CH/S005 Operator: Viridor Waste (Greater Manchester) Ltd Waste Management licence No: 53780 Annual Tonnage: 1653600	Issue Date: 10/06/1993 Effective Date: - Modified: 28/05/2009 Surrendered Date: Jan 6 2011 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
L	442m N	Site Name: Rochdale Transfer Loading Station Site Address: Viridor Waste (Greater Manchester) Limited, Old Rochdale Incinerator, Entwistle Road, Rochdale, Lancashire, OL6 2HZ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 627893 EPR reference: EA/EPR/CP3296CH Operator: Viridor Waste (Greater Manchester) Limited Waste Management licence No: 53780 Annual Tonnage: 1653600	Issue Date: 10/06/1993 Effective Date: 10/06/1993 Modified: 10/06/1993 Surrendered Date: - Expiry Date: - Cancelled Date: 10/06/1993 Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	65
----------------------------	-----------

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 50 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
2	131m SW	The Landing Oldham Road Rochdale OL16 5QY	EPR/LF0306NP /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
3	160m S	The Warehouse, 1 Stuart Street, Rochdale, OL16 5NB	WEX298965	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
4	171m W	81-83, OLDHAM ROAD, ROCHDALE, OL16 5QR	WEX352740	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	202m N	Liley Street ROCHDALE Lancashire OL16 2AS	EPR/TE5481KK /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
C	202m N	Liley Street ROCHDALE Lancashire OL16 2AS	EPR/TE5481KK /A001	Using waste exemption	Non-Agricultural Waste Only	Use of depolluted end-of-life vehicles for vehicle parts



ID	Location	Site	Reference	Category	Sub-Category	Description
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX138046	Using waste exemption	Not on a farm	Use of mulch
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX137871	Using waste exemption	Not on a farm	Use of waste for a specified purpose
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX137871	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX137871	Using waste exemption	Not on a farm	Use of mulch
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX137871	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX137871	Using waste exemption	Not on a farm	Incorporation of ash into soil
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX137871	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX137871	Using waste exemption	Not on a farm	Use of waste in construction
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX138046	Using waste exemption	Not on a farm	Use of waste in construction
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX138046	Using waste exemption	Not on a farm	Use of waste for a specified purpose
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX138046	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX138046	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX138046	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance



ID	Location	Site	Reference	Category	Sub-Category	Description
D	246m N	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX138046	Using waste exemption	Not on a farm	Incorporation of ash into soil
F	271m W	-	WEX335497	Using waste exemption	Not on a farm	Use of waste in construction
F	271m W	-	WEX335497	Using waste exemption	Not on a farm	Use of mulch
F	271m W	-	WEX335497	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
5	306m SW	Regal House Miall Street ROCHDALE Lancashire OL11 1HY	EPR/DE5682QM/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
6	308m S	-	WEX230901	Using waste exemption	Not on a farm	Use of waste in construction
J	322m SW	-	WEX156841	Treating waste exemption	Not on a Farm	Screening and blending of waste
J	322m SW	-	WEX156841	Using waste exemption	Not on a Farm	Use of waste in construction
K	323m W	-	WEX342033	Using waste exemption	Not on a farm	Use of waste in construction
K	323m W	-	WEX342033	Treating waste exemption	Not on a farm	Screening and blending of waste
M	426m NW	130 Drake Street, Rochdale, OL16 1PN	NC3/000012	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
M	426m NW	130 Drake Street, Rochdale OL16 1PN	EXP/WP3045LM	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
M	428m W	130 Drake Street, Rochdale, OL16 1PN	EA/EPR/VP3945UX/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX163158	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX163158	Using waste exemption	Not on a Farm	Use of waste in construction
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX163158	Treating waste exemption	Not on a Farm	Recovery of scrap metal



ID	Location	Site	Reference	Category	Sub-Category	Description
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX163158	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
N	470m NW	ROBINSON STREET ROCHDALE OL16 1TQ	WEX003565	Storing waste exemption	Not on a farm	Storage of waste in a secure place
N	470m NW	ROBINSON STREET ROCHDALE OL16 1TQ	WEX003565	Treating waste exemption	Not on a farm	Recovery of scrap metal
N	470m NW	ROBINSON STREET ROCHDALE OL16 1TQ	WEX003565	Using waste exemption	Not on a farm	Use of waste in construction
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX301048	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX301048	Treating waste exemption	Not on a Farm	Recovery of scrap metal
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX301048	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)
N	470m NW	ROBINSON STREET, ROCHDALE, OL16 1TQ	WEX301048	Using waste exemption	Not on a Farm	Use of waste in construction
N	472m NW	Rochdale Metals Robinson Street ROCHDALE Lancashire OL16 1TQ	EPR/XF0609BC /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
N	472m NW	Rochdale Metals Robinson Street ROCHDALE Lancashire OL16 1TQ	EPR/XF0609BC /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
P	479m NE	5-7, CHICHESTER STREET, ROCHDALE, OL16 2AU	WEX161457	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
P	479m NE	5-7, CHICHESTER STREET, ROCHDALE, OL16 2AU	WEX296352	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Storing waste exemption	Not on a farm	Storage of waste in a secure place
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Using waste exemption	Not on a farm	Incorporation of ash into soil
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit



ID	Location	Site	Reference	Category	Sub-Category	Description
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Using waste exemption	Not on a farm	Use of mulch
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Using waste exemption	Not on a farm	Use of waste for a specified purpose
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Using waste exemption	Not on a farm	Use of waste in construction
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Treating waste exemption	Not on a farm	Screening and blending of waste
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX277377	Disposing of waste exemption	Not on a farm	Burning waste in the open
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX279306	Using waste exemption	Not on a farm	Incorporation of ash into soil
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX279306	Using waste exemption	Not on a farm	Use of waste in construction
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX279306	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX279306	Using waste exemption	Not on a farm	Use of waste for a specified purpose
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX279306	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX279306	Using waste exemption	Not on a farm	Use of mulch

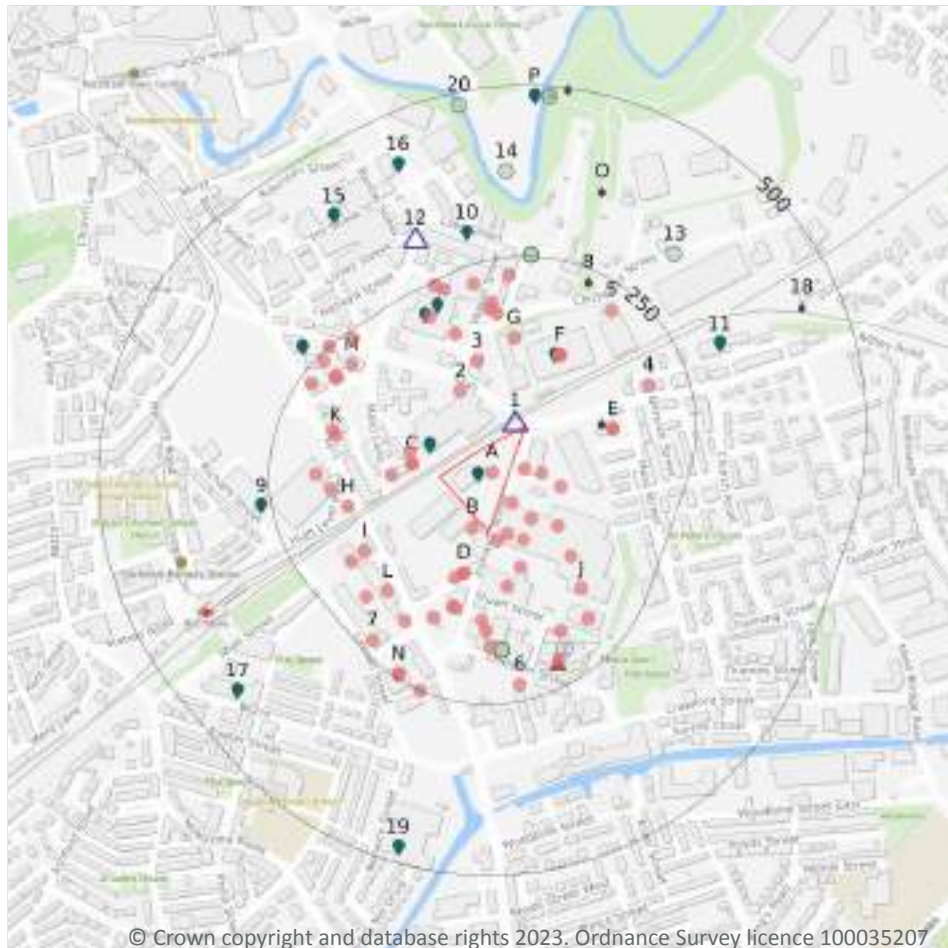


ID	Location	Site	Reference	Category	Sub-Category	Description
P	479m NE	The Klondike, Chichester Street, Rochdale, OL16 2AU	WEX279306	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
N	488m NW	Rochdale Metals Robinson Street ROCHDALE Lancashire OL16 1TQ	EPR/YF0809N U/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
O	499m S	Wellfield Pharmacy Wellfield Surgery Rochdale OL11 1AD	EPR/YE5743EZ /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal

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
- 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
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

74

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 70](#) >

ID	Location	Company	Address	Activity	Category
A	On site	Water Towers	Greater Manchester, OL16	Water Pumping Stations	Industrial Features
B	13m S	H G V Mechanic	-, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	17m S	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
B	19m SE	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities
A	20m E	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities
B	27m S	Volz Engineering Ltd	Unit 1 Scotts Industrial Park, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	Tools Including Machine Shops	Industrial Products
C	45m W	G P Automotive Products	Unit 1 Lingard Business Park, Wood Street, Rochdale, Greater Manchester, OL16 5QN	Vehicle Parts and Accessories	Motoring
C	45m W	Apex Auto Tint	Unit 1 Lingard Business Park, Wood Street, Rochdale, Greater Manchester, OL16 5QN	Industrial Coatings and Finishings	Industrial Products
A	45m E	Magnum Business Centre	Greater Manchester, OL16	Business Parks and Industrial Estates	Industrial Features
B	52m SE	Trufab Ltd	-, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	Metalworkers Including Blacksmiths	Construction Services
B	53m SE	Plastichem Ltd	Unit 2 Scotts Industrial Park, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	General Construction Supplies	Industrial Products
C	57m W	Business Park	Greater Manchester, OL16	Business Parks and Industrial Estates	Industrial Features
D	67m S	K T Litho Printers Ltd	-, Ainsworth Street, Rochdale, Greater Manchester, OL16 5QX	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
D	67m S	Kt Litho Printers	-, Ainsworth Street, Rochdale, Greater Manchester, OL16 5QX	Published Goods	Industrial Products
B	68m S	Industrial Estate	Greater Manchester, OL16	Business Parks and Industrial Estates	Industrial Features
C	71m W	Jellis Autos	Unit 5 Lingard Business Park, Wood Street, Rochdale, Greater Manchester, OL16 5QN	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	77m E	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities
D	79m S	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
B	81m S	Euro Car Parts	Unit 12 Scotts Industrial Park, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	Vehicle Parts and Accessories	Motoring
2	89m N	Electricity Sub Stations	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
B	93m SE	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
F	117m NE	Glasslab	Unit 6 Chichester Business Centre, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Carpets, Flooring, Rugs and Soft Furnishings	Consumer Products
F	117m NE	Office Blinds & Glazing	Unit 6 Chichester Business Centre, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Curtains and Blinds	Consumer Products
F	117m NE	Pattersons	Unit 13 Chichester Business Centre, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Cleaning Equipment and Supplies	Industrial Products
F	117m NE	Richmond Interior Supplies	Units 2 to 4 Chichester Business Centre, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Vehicles	Industrial Products
F	117m NE	Nema	Unit 16 Chichester Business Centre, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Special Purpose Machinery and Equipment	Industrial Products
3	118m N	Freudenberg Household Products	2, Chichester Street, Rochdale, Greater Manchester, OL16 2AX	Cleaning Equipment and Supplies	Industrial Products
D	118m S	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
D	119m S	Ultimate Kids	C C G Depot, Ainsworth Street, Rochdale, Greater Manchester, OL16 5QX	Clothing, Components and Accessories	Consumer Products
B	126m SE	Forrest Fresh Foods Ltd	Unit 6b Scotts Industrial Park, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	Distribution and Haulage	Transport, Storage and Delivery
D	127m S	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
E	129m E	Tyre Master	76a, Milnrow Road, Rochdale, Greater Manchester, OL16 5DL	Vehicle Parts and Accessories	Motoring
E	129m E	A M K Auto Centre	76-78, Milnrow Road, Rochdale, Greater Manchester, OL16 5DL	Vehicle Repair, Testing and Servicing	Repair and Servicing
G	131m N	I P 24 Ltd	Unit 17 Chichester Business Centre, Chichester Street, Rochdale, Greater Manchester, OL16 2AU	Electronic Equipment	Industrial Products
D	142m S	Trumetic Ltd	Trumetic Refrigeration Service, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	Pumps and Compressors	Industrial Products



ID	Location	Company	Address	Activity	Category
H	142m W	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
D	146m S	Enterprise Rent-A-Car	179-185, Oldham Road, Rochdale, Greater Manchester, OL16 5QY	Vehicle Hire and Rental	Hire Services
I	155m SW	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
J	158m SE	Trans Swift Freight Services	Unit 6b Scotts Industrial Park, Fishwick Street, Rochdale, Greater Manchester, OL16 5NA	Distribution and Haulage	Transport, Storage and Delivery
H	160m W	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
K	164m W	Retro Recordings	85, Oldham Road, Rochdale, Greater Manchester, OL16 5QR	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
D	166m S	Rochdale Vehicle Dismantlers	-, Dodgson Street, Rochdale, Greater Manchester, OL16 5SJ	Scrap Metal Merchants	Recycling Services
L	167m SW	Expert Safety Supplies	Unit 3 Halfpenny Bridge Industrial Estate, Lincoln Street, Rochdale, Greater Manchester, OL11 1NS	Workwear	Industrial Products
G	167m N	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities
K	170m W	Linea Design	81-83, Oldham Road, Rochdale, Greater Manchester, OL16 5QR	Beds and Bedding	Consumer Products
G	171m N	Holden Motors	Old Smithy, Walker Street, Rochdale, Greater Manchester, OL16 2AB	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	176m SW	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
J	177m SE	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities
I	180m SW	Heap Economiser Ltd	2, Oldham Road, Rochdale, Greater Manchester, OL11 1BU	Cooling and Refrigeration	Industrial Products
H	181m W	Halfords	Unit 1a Central Retail Park, Oldham Road, Rochdale, Greater Manchester, OL11	Vehicle Parts and Accessories	Motoring
G	181m N	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features



ID	Location	Company	Address	Activity	Category
G	187m N	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
4	191m NE	T M Car Sales	83, Milnrow Road, Rochdale, Greater Manchester, OL16 5DL	Secondhand Vehicles	Motoring
J	192m SE	Rochdale Vehicle Dismantles	Pegasus Distribution Ltd, Stuart Street, Rochdale, Greater Manchester, OL16	Scrap Metal Merchants	Recycling Services
L	197m SW	Halfpenny Bridge Industrial Estate	Greater Manchester, OL11	Business Parks and Industrial Estates	Industrial Features
G	207m N	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
M	209m NW	Rochdale Honda	48, Milnrow Road, Rochdale, Greater Manchester, OL16 1UD	New Vehicles	Motoring
M	209m NW	Northern Accident Repair	Wood Street, -, Rochdale, Greater Manchester, OL16 5QN	Vehicle Repair, Testing and Servicing	Repair and Servicing
J	209m S	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
M	212m NW	Britannia Motors 4x4 Ltd	43a, Oldham Road, Rochdale, Greater Manchester, OL16 5QJ	Secondhand Vehicles	Motoring
5	213m NE	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities
G	223m N	Central Hydraulic Services Ltd	-, Walker Street, Rochdale, Greater Manchester, OL16 2AB	Industrial Repairs and Servicing	Repair and Servicing
G	224m N	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
6	225m S	Industrial Estate	Greater Manchester, OL16	Business Parks and Industrial Estates	Industrial Features
7	229m SW	T B A Protective Solutions	Unit 11 Halfpenny Bridge Industrial Estate, Lincoln Close, Rochdale, Greater Manchester, OL11 1NR	Electrical Components	Industrial Products
M	233m NW	Line Art	57, Oldham Road, Rochdale, Greater Manchester, OL16 5QJ	Textiles, Fabrics, Silk and Machinery	Industrial Products
G	234m N	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
M	239m NW	Mitchells	29-31, Milnrow Road, Rochdale, Greater Manchester, OL16 1UG	Vehicle Parts and Accessories	Motoring
M	239m NW	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
N	243m SW	K Packaging Ltd	Lincoln Street Business Park, Lincoln Street, Rochdale, Greater Manchester, OL11 1LB	Packaging	Industrial Products
N	243m SW	E M Trading Ltd	Unit 6b Lincoln Street Business Park, Lincoln Street, Rochdale, Greater Manchester, OL11 1LB	Vehicle Repair, Testing and Servicing	Repair and Servicing
G	244m N	Works	Greater Manchester, OL16	Unspecified Works Or Factories	Industrial Features
N	250m S	Lincoln Close Industrial Estate	Greater Manchester, OL11	Business Parks and Industrial Estates	Industrial Features
M	250m NW	Electricity Sub Station	Greater Manchester, OL16	Electrical Features	Infrastructure and Facilities

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 70](#) >

ID	Location	Company	Address	LPG	Status
1	15m NE	OBSOLETE	Milnrow Road, Rochdale, Greater Manchester, OL16 1SY	Not Applicable	Obsolete
12	320m N	TOTAL	Molesworth Street, Rochdale, Greater Manchester, OL16 1TP	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	0
---------------------	---

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	1
---------------------	---

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 70](#) >

ID	Location	Company	Address	Operational status	Tier
J	165m S	Quat-Chem Limited	Quat-Chem Limited, Rochdale, 1-4 Sandfield Industrial Park, Dodgson Street, Rochdale, Lancashire, OL16 5SJ	Current COMAH Site	COMAH Lower Tier Operator

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

1

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 70 >](#)

ID	Location	Details	
J	215m S	Application reference number: No Details Application status: Approved Application date: No Details Address: Quat-Chem Ltd, 1-4 Sandfield Ind Park, Dodgson Street, Rochdale, Lancashire, England, OL16 5SJ	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

5

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 70 >](#)



ID	Location	Details	
J	199m SE	Operator: Quatchem Limited Installation Name: Quatchem - Dodgson Street - EPR/BP3630FS Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: GP3738VW Original Permit Number: BP3630FS	EPR Reference: - Issue Date: 02/06/2014 Effective Date: 02/06/2014 Last date noted as effective: 21/03/2023 Status: Superseded
J	199m SE	Operator: Quatchem Limited Installation Name: Quatchem - Dodgson Street - EPR/BP3630FS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: GP3738VW Original Permit Number: BP3630FS	EPR Reference: - Issue Date: 02/06/2014 Effective Date: 02/06/2014 Last date noted as effective: 21/03/2023 Status: Superseded
J	205m SE	Operator: QUAT-CHEM LIMITED Installation Name: Quat-Chem Limited Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BP3630FS Original Permit Number: BP3630FS	EPR Reference: EPR/BP3630FS Issue Date: 16/11/2020 Effective Date: 16/11/2020 Last date noted as effective: 25/05/2023 Status: Effective
J	205m SE	Operator: QUATCHEM LIMITED Installation Name: QUATCHEM LIMITED SR2009NO2 Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: UP3634HG Original Permit Number: UP3634HG	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 08/02/2011 Status: DETERMINATION
J	205m SE	Operator: Quat-Chem Limited Installation Name: Quat-Chem Limited Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: DP3409PB Original Permit Number: BP3630FS	EPR Reference: - Issue Date: 16/11/2020 Effective Date: 16/11/2020 Last date noted as effective: 21/03/2023 Status: Effective

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

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

14

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 70 >](#)



ID	Location	Address	Details	
A	On site	Precision Poured Concrete Ltd, The Old Railway Yard, Fishwick Street, Rochdale, Lancashire, OL16 5NA	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	46m NW	Dresser Mouldings Ltd, Station Yard Sawmills, Wood Street, Rochdale, Lancashire, OL16 5QN	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	114m NE	Taylor Engineering and Plastics, Unit 18, Chichester Business Centre, Chichester Street, OL16 2AU	Process: Resin Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	211m N	Taylor Engineering & Plastics, Molesworth Street, Rochdale, Lancashire, OL16 1TP	Process: Manufacture Of Fibre Reinforced Plastics ; Di-isocyanate Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	215m N	Taylor Engineering and Plastics, 3 March Street, Rochdale, OL16 2AP	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	265m W	Henly Ford, Oldham Rd, OL11 1BU	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
M	276m NW	Northern Accident Repair Ltd, Wood Street, Rochdale, Lancashire, OL16 5QN	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
10	297m N	Thomas Sandiford Injector Wks, Liley St, OL16 2AR	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
11	309m NE	Clover Garage, Cayley Street, Rochdale, OL16 5DJ	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
15	404m NW	Vale Mill (Homecare) Products, Minky, New Oxford Mill, Bentley Street, Rochdale, Lancashire, OL16 1HR	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	427m N	Molesworth Sreet Service, Molesworth Street, Rochdale, OL16 1TP	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
17	430m SW	Mellor Coachcraft, Miall Street, Rochdale, Lancashire, OL11 1HY	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
19	477m S	JJ Makin Converting, Norwich St	Process: Various Foam Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
P	484m N	Readymix Concrete Nw Ltd, Nile Street, Rochdale	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.



4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

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

4.13 Licensed Discharges to controlled waters

Records within 500m

11

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 70](#) >

ID	Location	Address	Details	
E	112m NE	MILNROW ROAD/FISHWICK STREET CSO, MILNROW ROAD (FISHWICK STREET), ROCHDALE, GREATER MANCHESTER, OL16 5NP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0103 Permit Version: 2 Receiving Water: RIVER ROCH	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 22/06/2004
E	112m NE	MILNROW ROAD/FISHWICK STREET CSO, MILNROW ROAD (FISHWICK STREET), ROCHDALE, GREATER MANCHESTER, OL16 5NP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0103 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
E	112m NE	MILNROW ROAD/FISHWICK STREET CSO, MILNROW ROAD (FISHWICK STREET), ROCHDALE, GREATER MANCHESTER, OL16 5NP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0027 Permit Version: 2 Receiving Water: .	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 14/04/2020
E	112m NE	MILNROW ROAD/FISHWICK STREET CSO, MILNROW ROAD (FISHWICK STREET), ROCHDALE, GREATER MANCHESTER, OL16 5NP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0027 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
E	112m NE	MILNROW ROAD/FISHWICK STREET CSO, MILNROW ROAD (FISHWICK STREET), ROCHDALE, GREATER MANCHESTER, OL16 5NP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0103 Permit Version: 3 Receiving Water: RIVER ROCH	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 23/06/2004 Effective Date: 23/06/2004 Revocation Date: 26/11/2019



ID	Location	Address	Details	
8	231m NE	MILNROW ROAD/FISHWICK STREET CSO, MILNROW ROAD (FISHWICK STREET), ROCHDALE, GREATER MANCHESTER, OL16 5NP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: EPRQB3590VT Permit Version: 1 Receiving Water: MOSS BROOK, TRIB OF RIVER ROCH	Status: VARIED UNDER EPR 2010 Issue date: 15/04/2020 Effective Date: 15/04/2020 Revocation Date: -
O	362m N	MILNROW ROAD/PINE STREET CSO, 147 MILNROW ROAD, NEWHEY, ROCHDALE, GREATER MANCHESTER, OL16 5DN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0091 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
O	362m N	MILNROW ROAD/PINE STREET CSO, 147 MILNROW ROAD, NEWHEY, ROCHDALE, GREATER MANCHESTER, OL16 5DN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0091 Permit Version: 2 Receiving Water: .	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 11/11/2020
18	440m NE	MILNROW ROAD/PINE STREET CSO, 147 MILNROW ROAD, NEWHEY, ROCHDALE, GREATER MANCHESTER, OL16 5DN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: EPRSB3396VR Permit Version: 1 Receiving Water: RIVER ROCH VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 11/11/2020 Effective Date: 11/11/2020 Revocation Date: -
P	487m N	MILNROW ROAD/FISHWICK STREET CSO, MILNROW ROAD (FISHWICK STREET), ROCHDALE, GREATER MANCHESTER, OL16 5NP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993541 Permit Version: 1 Receiving Water: RIVER ROCH VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 27/11/2019 Effective Date: 27/11/2019 Revocation Date: -
P	498m N	TRAFALGAR STREET /RAMSEY STREET CSO, 106 RAMSEY STREET, ROCHDALE, GREATER MANCHESTER, OL16 2BX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: NPSWQD010102 Permit Version: 1 Receiving Water: RIVER ROCH	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 29/03/2010 Effective Date: 29/03/2010 Revocation Date: 03/12/2019

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**10**

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 70 >](#)

ID	Location	Details	
D	171m S	Incident Date: 25/09/2001 Incident Identification: 32825 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	171m S	Incident Date: 25/09/2001 Incident Identification: 32825 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	171m S	Incident Date: 25/09/2001 Incident Identification: 32825 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	251m N	Incident Date: 16/10/2001 Incident Identification: 37021 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	251m N	Incident Date: 16/10/2001 Incident Identification: 37021 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	251m N	Incident Date: 16/10/2001 Incident Identification: 37021 Pollutant: Specific Waste Materials:Oils and Fuel Pollutant Description: Metal Wastes:Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
13	334m NE	Incident Date: 21/09/2001 Incident Identification: 32069 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
14	375m N	Incident Date: 08/10/2002 Incident Identification: 113270 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
20	481m N	Incident Date: 05/07/2001 Incident Identification: 14026 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
P	484m N	Incident Date: 23/01/2003 Incident Identification: 132891 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



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

4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory radioactive waste

Records within 500m

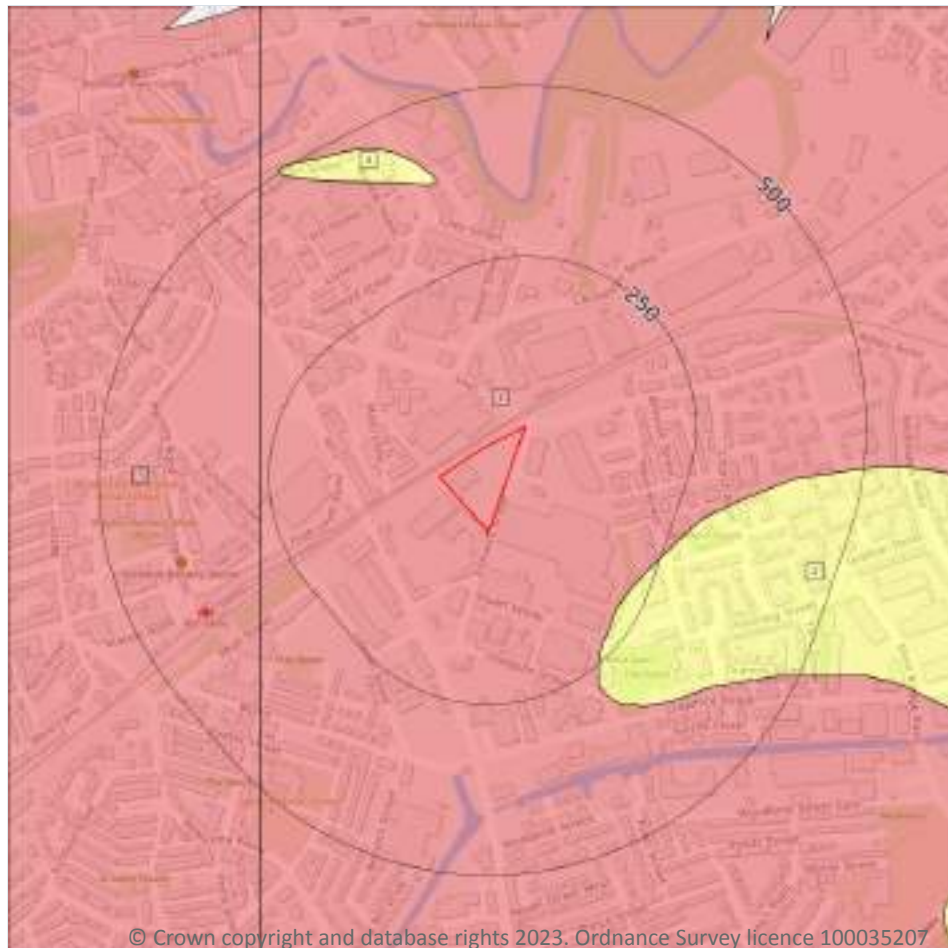
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 86](#) >

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	218m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

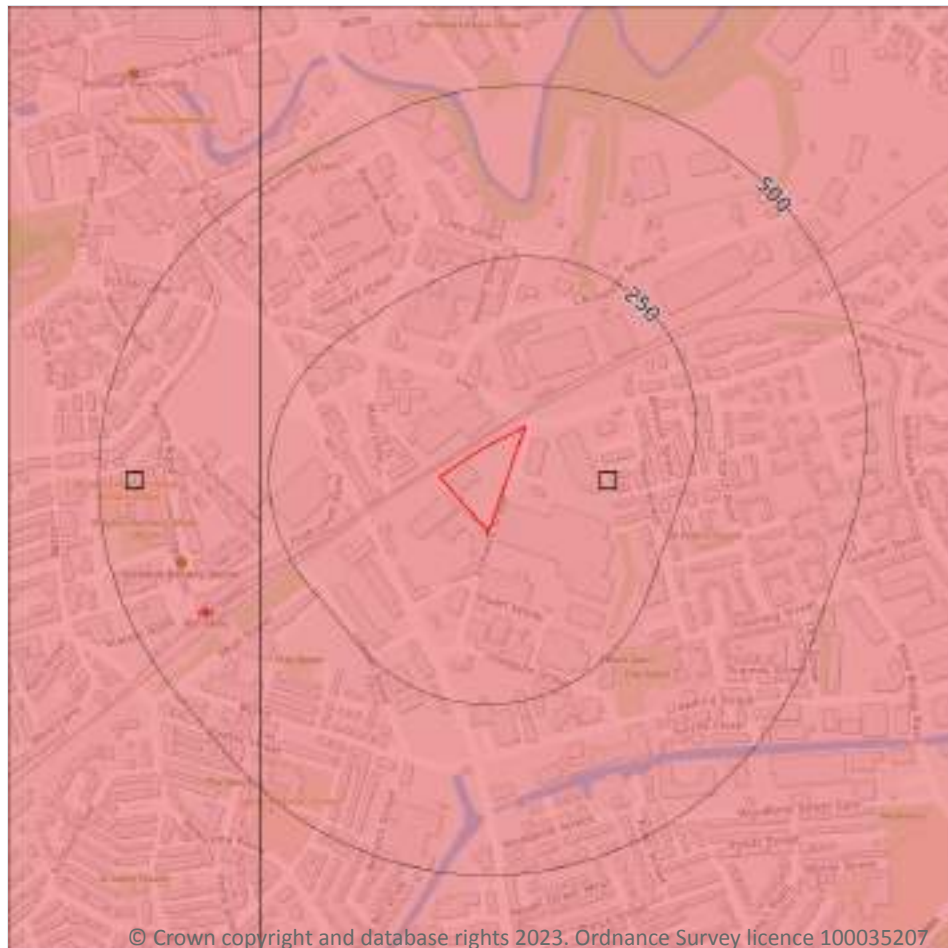


ID	Location	Designation	Description
3	263m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	380m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 88](#) >

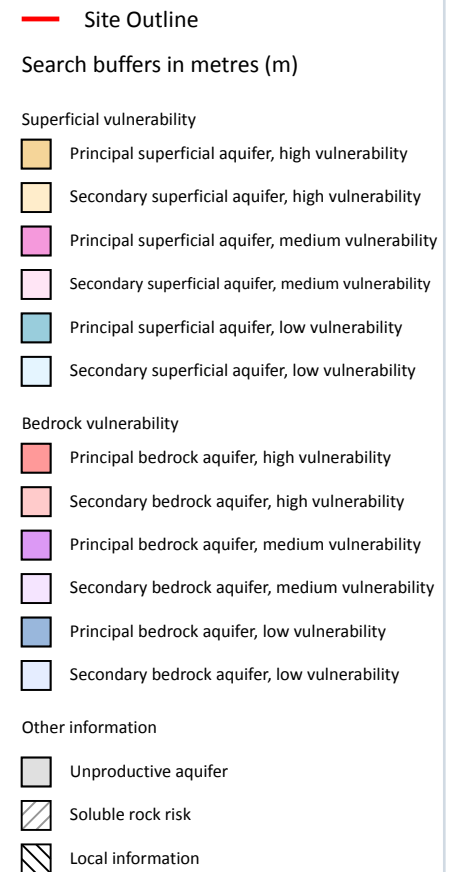
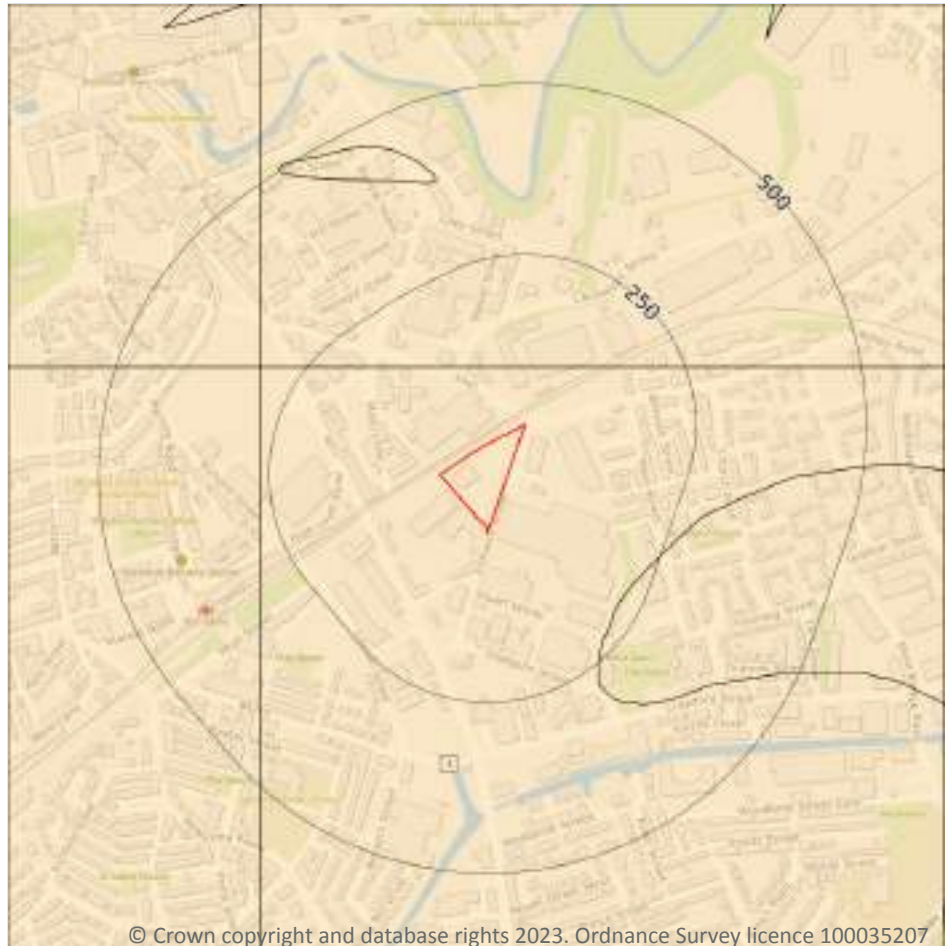
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	263m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 90](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
------------------------	----------

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

8

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 92 >](#)

ID	Location	Details	
-	1575m SE	Status: Historical Licence No: 2569002159 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: "WELL AT FARM, LOWER LANE, MILNROW, ROCHDALE" Data Type: Point Name: HARTLE Easting: 391400 Northing: 411600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1966 Version End Date: -
-	1575m SE	Status: Historical Licence No: 2569002159 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: WELL AT FARM, LOWER LANE, MILNROW, ROCHDALE Data Type: Point Name: HARTLE Easting: 391400 Northing: 411600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1966 Version End Date: -
-	1575m SE	Status: Historical Licence No: 2569002159 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: WELL AT FARM LOWER LANE MILNROW ROCHDALE Data Type: Point Name: HARTLE Easting: 391400 Northing: 411600	Annual Volume (m ³): 5123.34 Max Daily Volume (m ³): 31.822 Original Application No: - Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -
-	1650m SE	Status: Historical Licence No: 2569002060 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT CASTLE FARM, LOWER LANE, MILNROW" Data Type: Point Name: SANDERSON Easting: 391400 Northing: 411500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/02/1966 Version End Date: -



ID	Location	Details	
-	1650m SE	Status: Historical Licence No: 2569002060 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT CASTLE FARM, LOWER LANE, MILNROW Data Type: Point Name: SANDERSON Easting: 391400 Northing: 411500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/02/1966 Version End Date: -
-	1695m W	Status: Historical Licence No: 2569002050 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, SPOTLAND, ROCHDALE" Data Type: Point Name: ALEXANDER DREW & SONS LTD Easting: 388700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 02/05/2000 Version End Date: -
-	1695m W	Status: Historical Licence No: 2569002050 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, SPOTLAND, ROCHDALE Data Type: Point Name: ALEXANDER DREW LTD. Easting: 388700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2003 Version End Date: -
-	1695m W	Status: Historical Licence No: 2569002050 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES SPOTLAND ROCHDALE Data Type: Point Name: ALEXANDER DREW LTD Easting: 388700 Northing: 413500	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2100 Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2003 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

12

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 92 >](#)

ID	Location	Details	
1	460m S	Status: Historical Licence No: 2569002076 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: ROCHDALE CANAL AT ROCHDALE, LANCS Data Type: Point Name: J & J MAKIN CONVERTORS LTD Easting: 390300 Northing: 412300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1993 Version End Date: -
A	593m NW	Status: Historical Licence No: NW/069/0002/001 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT ROCHDALE WEIR Data Type: Point Name: Transport for Greater Manchester Easting: 389917 Northing: 413325	Annual Volume (m ³): 36100000 Max Daily Volume (m ³): 164160 Original Application No: NPS/WR/007499 Original Start Date: 15/06/2010 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 01/04/2015 Version End Date: -
A	593m NW	Status: Historical Licence No: NW/069/0002/003 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT ROCHDALE WEIR Data Type: Point Name: Transport for Greater Manchester Easting: 389916 Northing: 413325	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/WR/007633 Original Start Date: 15/06/2010 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 23/06/2011 Version End Date: -
-	841m S	Status: Historical Licence No: 2569002107 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "ROCHDALE CANAL AT QUEENSWAY,ROCHDALE" Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/12/1993 Version End Date: -



ID	Location	Details	
-	841m S	Status: Historical Licence No: 2569002107 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "ROCHDALE CANAL AT QUEENSWAY,ROCHDALE" Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/12/1993 Version End Date: -
-	841m S	Status: Historical Licence No: 2569002107 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: ROCHDALE CANAL AT QUEENSWAY,ROCHDALE Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): 10455.8 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	841m S	Status: Historical Licence No: 2569002107 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ROCHDALE CANAL AT QUEENSWAY,ROCHDALE Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): 10455.8 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	968m S	Status: Historical Licence No: 2569002178 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "CATCHPIT FED BY SURFACE DRAINAGE AT PREMISES, ROCHDALE" Data Type: Point Name: DUNPHY COMBUSTION LTD. Easting: 390200 Northing: 411800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 12/02/1991 Version End Date: -

ID	Location	Details	
-	968m S	Status: Historical Licence No: 2569002178 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CATCHPIT FED BY SURFACE DRAINAGE AT PREMISES, ROCHDALE Data Type: Point Name: DUNPHY COMBUSTION LTD Easting: 390200 Northing: 411800	Annual Volume (m ³): 2318.46 Max Daily Volume (m ³): 34.09 Original Application No: CW 1093 Original Start Date: 18/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 12/02/1991 Version End Date: -
-	975m NE	Status: Historical Licence No: 2569002249 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "RIVER ROCH AT MELLOROID WORKS, BELFIELD ROAD" Data Type: Point Name: BRITISH MILLERAIN 1922 CO LTD Easting: 390800 Northing: 413800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 04/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 04/11/1991 Version End Date: -
-	975m NE	Status: Historical Licence No: 2569002249 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT MELLOROID WORKS, BELFIELD ROAD Data Type: Point Name: BRITISH MILLERAIN 1922 CO LTD Easting: 390800 Northing: 413800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 04/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 04/11/1991 Version End Date: -
-	975m NE	Status: Historical Licence No: 2569002249 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT MELLOROID WORKS BELFIELD ROAD Data Type: Point Name: BRITISH MILLERAIN 1922 CO LTD Easting: 390800 Northing: 413800	Annual Volume (m ³): 213662 Max Daily Volume (m ³): 1136.49 Original Application No: - Original Start Date: 04/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 04/11/1991 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

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

5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

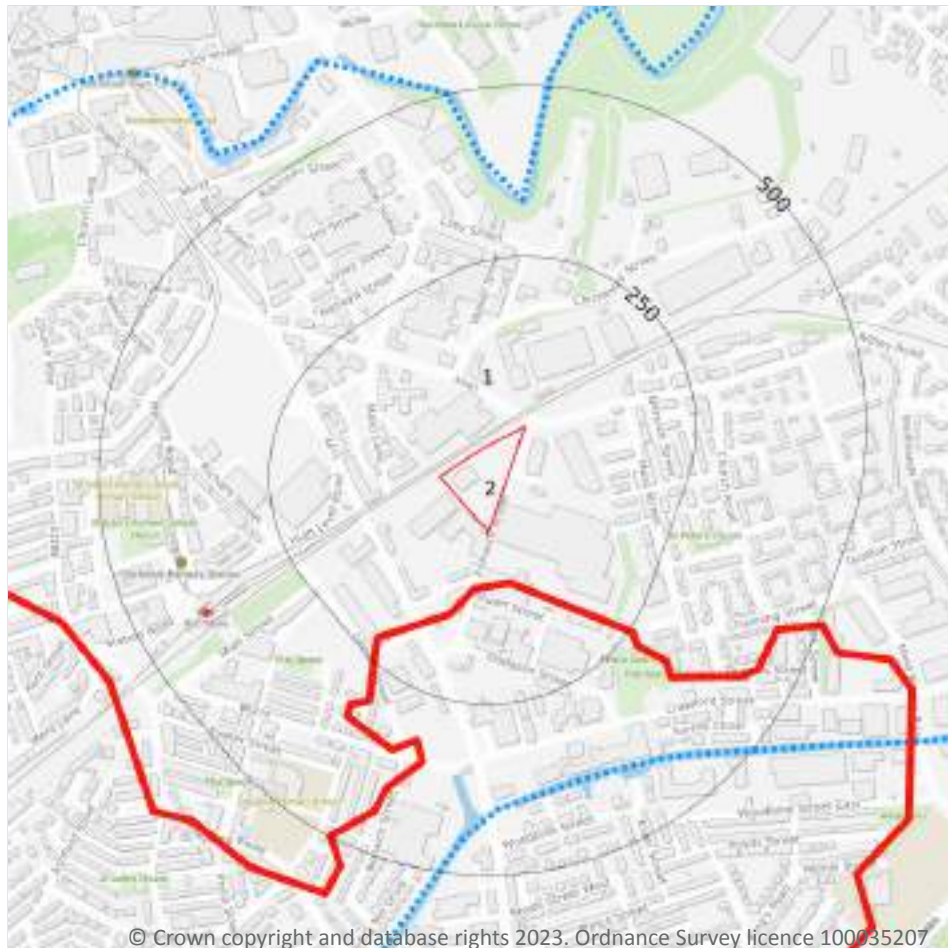
0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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



6 Hydrology



© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 99](#) >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Roch (Source to Spodden)	GB112069064720	Roch Irk Medlock	Irwell

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

6.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 99](#) >

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	333m N	River	Roch (Source to Spodden)	GB112069064720 ↗	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 99](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Northern Manchester Carboniferous Aquifers	GB41202G101800 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m**0**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

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

7.3 Flood Defences

Records within 250m**0**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

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

7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0
--------------------	---

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

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

7.7 Flood Zone 3

Records within 50m	0
--------------------	---

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 105 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

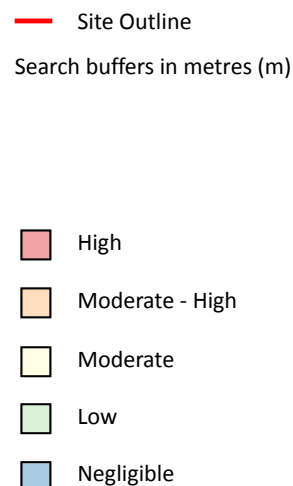
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 107](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

5

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 108](#) >

ID	Location	Name	Data source
A	354m S	Rochdale Canal	Natural England

ID	Location	Name	Data source
B	1228m SW	Rochdale Canal	Natural England
-	1357m E	Rochdale Canal	Natural England
D	1519m SW	Rochdale Canal	Natural England
-	1956m SW	Rochdale Canal	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0
-----------------------------	----------

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	5
-----------------------------	----------

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on [page 108 >](#)

ID	Location	Name	Features of interest	Habitat description	Data source
A	354m S	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England
B	1228m SW	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England
-	1357m E	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England



ID	Location	Name	Features of interest	Habitat description	Data source
D	1519m SW	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England
-	1956m SW	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.7 Designated Ancient Woodland

Records within 2000m

0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

1

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on [page 108 >](#)



ID	Location	Name	Local Authority name
-	1647m NE	Merseyside and Greater Manchester	Rochdale

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0
-----------------------------	----------

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0
-----------------------------	----------

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0
-----------------------------	----------

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0
-----------------------------	----------

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate

Sensitive Areas fall within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

0

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

2

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 114](#) >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply
2	On site	Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

5

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 114](#) >

ID: 5
 Location: 354m S
 SSSI name: Rochdale Canal
 Unit name: Failsworth
 Broad habitat: Standing Open Water And Canals
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

ID: B
 Location: 1228m SW
 SSSI name: Rochdale Canal
 Unit name: Failsworth
 Broad habitat: Standing Open Water And Canals
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

ID: -
 Location: 1357m E
 SSSI name: Rochdale Canal
 Unit name: Failsworth
 Broad habitat: Standing Open Water And Canals
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010



ID: 15
Location: 1519m SW
SSSI name: Rochdale Canal
Unit name: Failsworth
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

ID: -
Location: 1956m SW
SSSI name: Rochdale Canal
Unit name: Failsworth
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m**0**

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m**1**

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on [page 118 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	192m SW	Rochdale Canal Branch Arm Halfpenny Bridge	II	1031919	22/02/1977

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

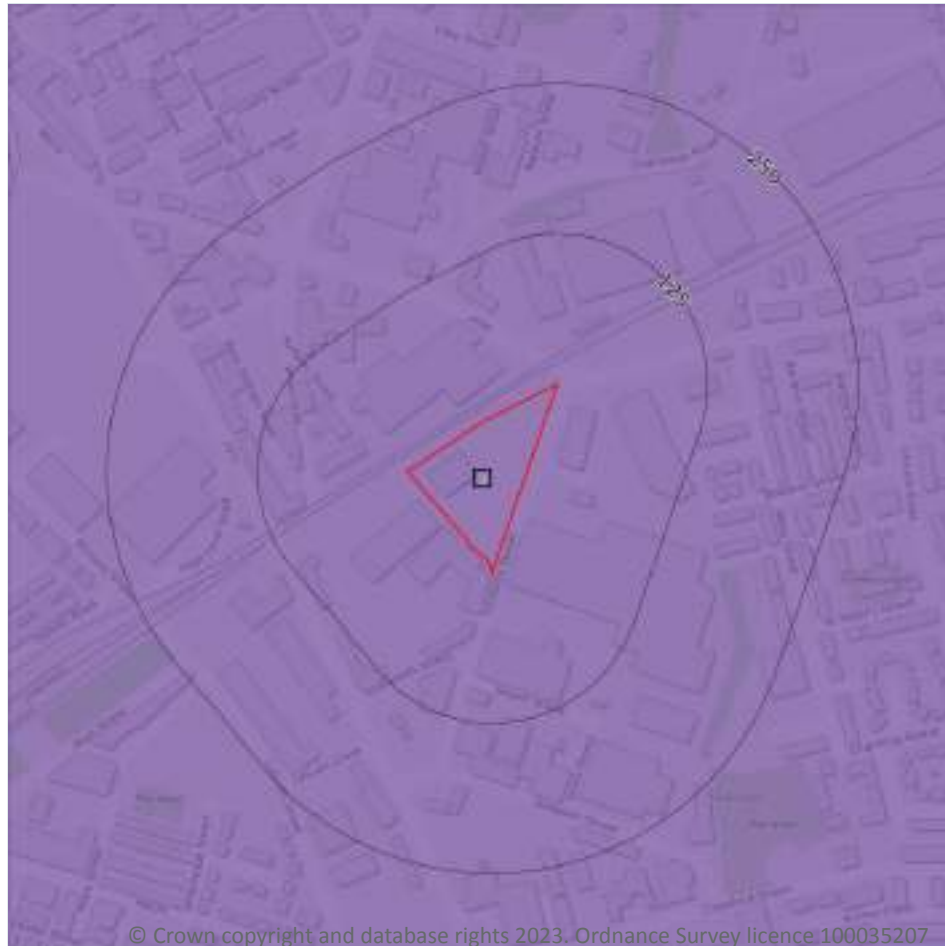
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 121](#) >

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

1

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 123 >](#)

ID	Location	Main Habitat	Other habitats
2	247m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.



13.2 Habitat Networks

Records within 250m

1

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on [page 123 >](#)

ID	Location	Type	Habitat
1	84m S	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline**
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

2

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 125](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SD91SW
2	263m W	Full	Full	Full	Full	SD81SE

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground



- Site Outline**
- Search buffers in metres (m)**
- Reclaimed ground
 - Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

5

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 126 >](#)

ID	Location	LEX Code	Description	Rock description
1	29m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	173m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	292m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	358m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

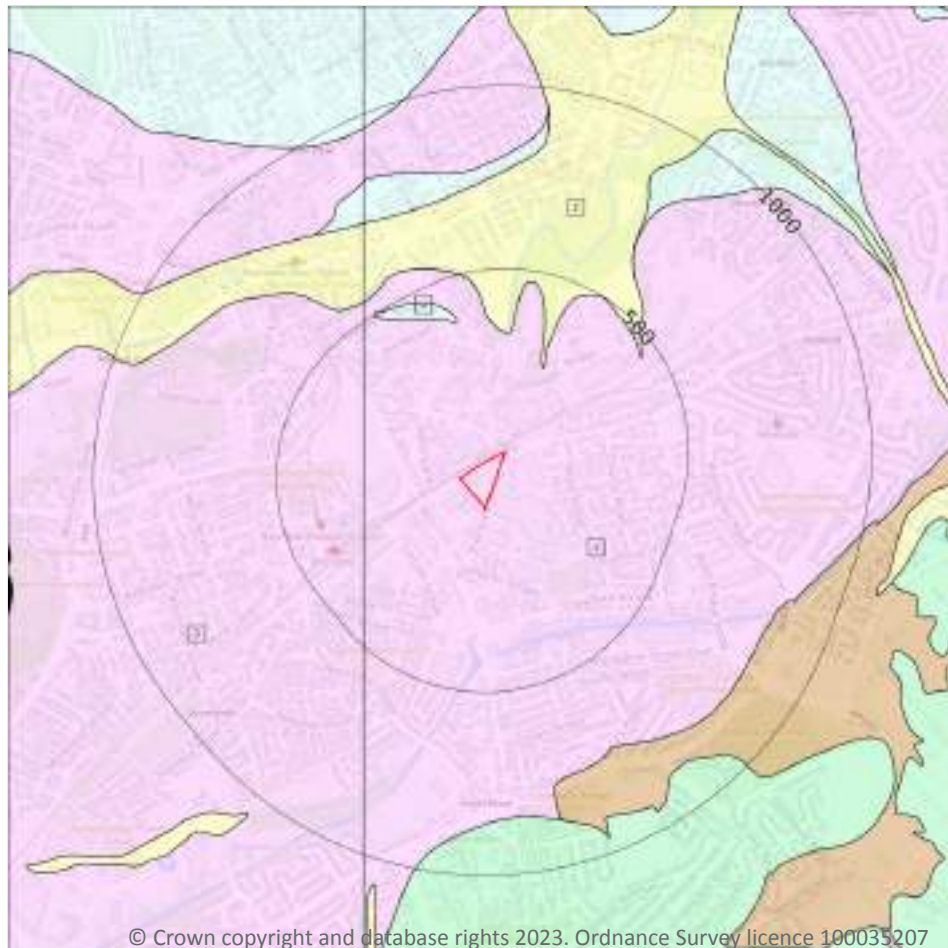


ID	Location	LEX Code	Description	Rock description
5	360m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

4

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 128](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
2	250m NE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	263m W	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
4	379m N	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton



This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

11

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 130](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
3	62m N	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
4	82m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
5	124m NE	MLRS-SDST	Milnrow Sandstone - Sandstone	Langsettian Sub-age
6	143m SW	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
7	263m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
8	271m W	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
10	289m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
11	371m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
12	382m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
13	385m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

2

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

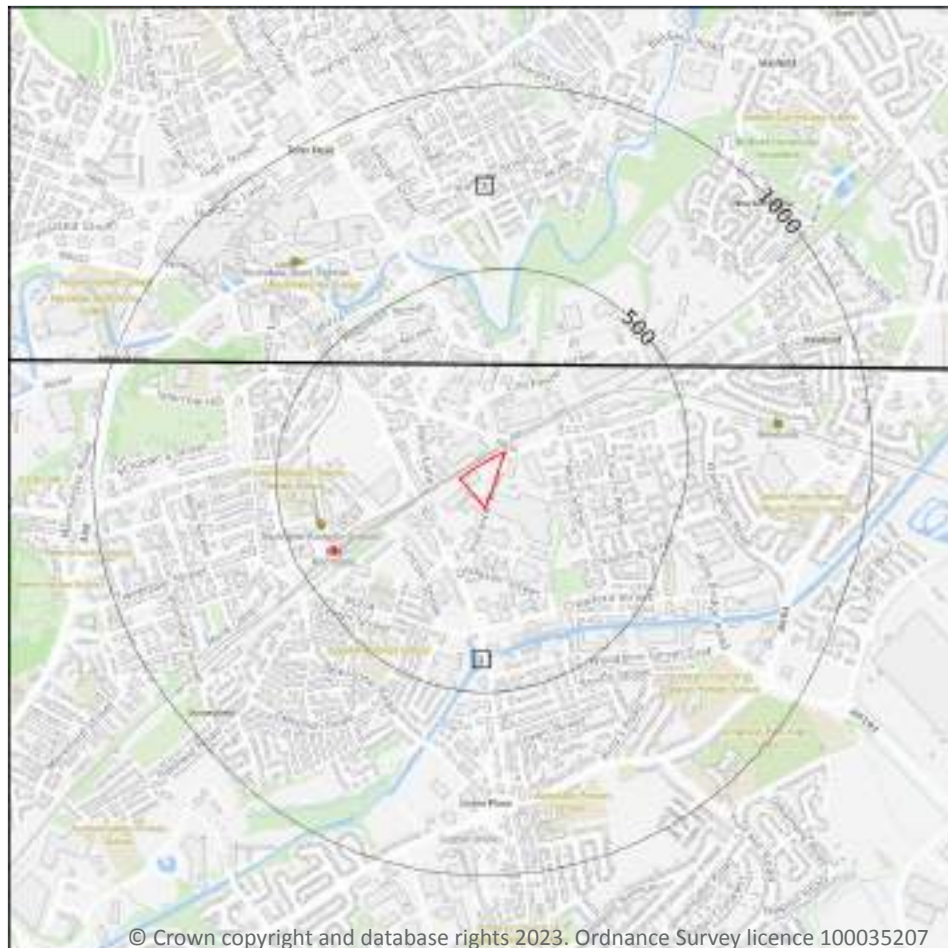
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 130 >](#)

ID	Location	Category	Description
2	62m N	FAULT	Normal fault, inferred; crossmarks on downthrow side
9	271m W	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

2

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 132](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW085_manchester_v4
2	238m N	No coverage	Full	Full	Full	EW076_rochdale_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

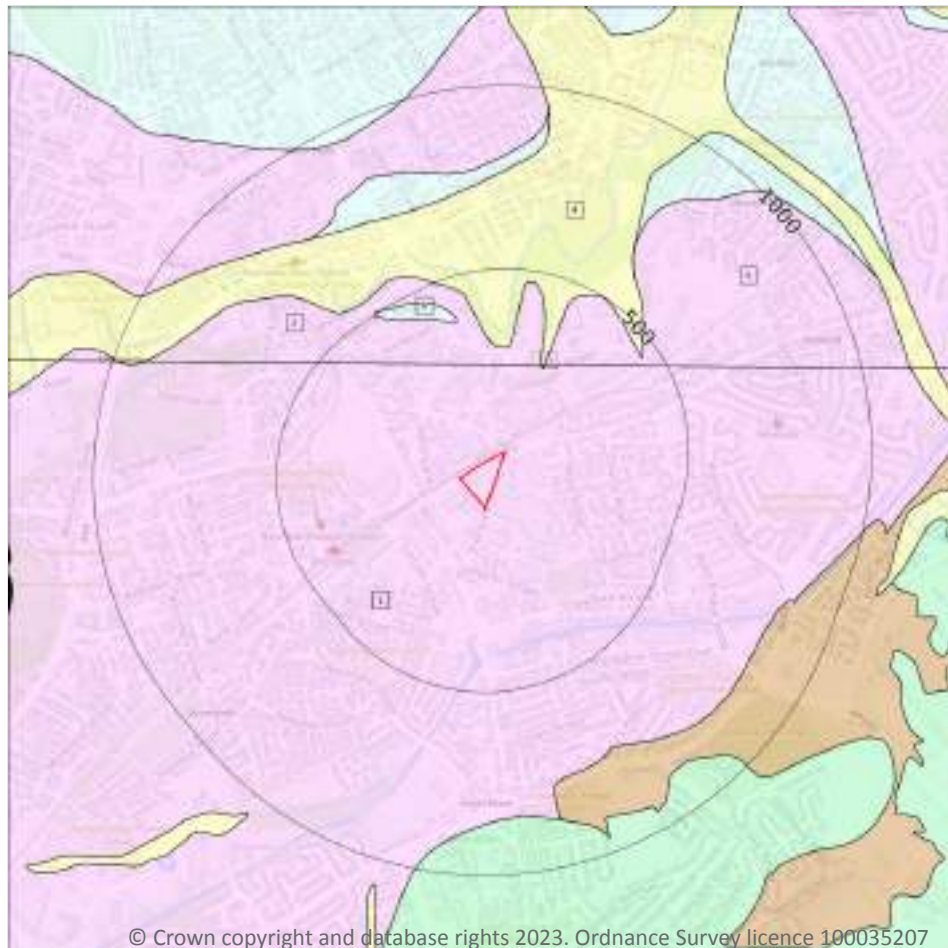
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

6

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 134](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	237m N	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	250m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	257m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
5	260m NE	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
6	380m N	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **1**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

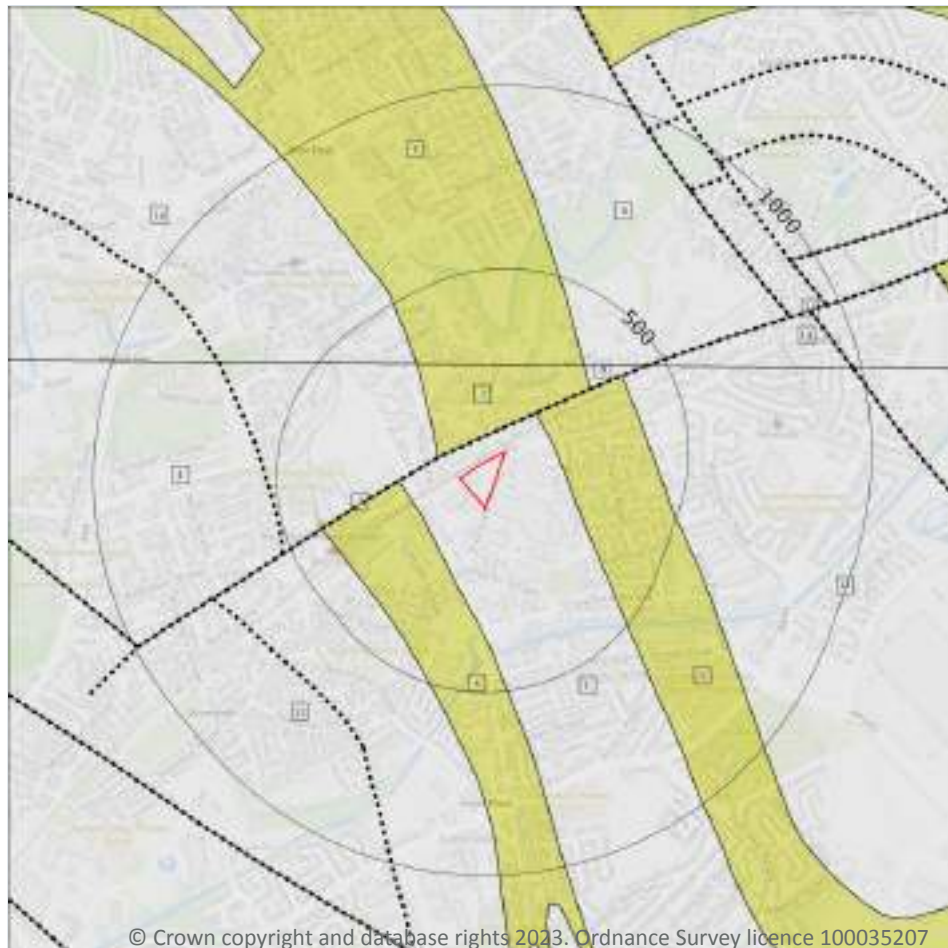
Records within 50m **0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

12

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 136](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	62m N	OL-SDST	OLD LAWRENCE ROCK - SANDSTONE	WESTPHALIAN
4	82m NW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
5	124m NE	MLRS-SDST	MILNROW SANDSTONE - SANDSTONE	WESTPHALIAN
6	143m W	OL-SDST	OLD LAWRENCE ROCK - SANDSTONE	WESTPHALIAN
7	237m N	OL-SDST	OLD LAWRENCE ROCK - SANDSTONE	WESTPHALIAN
8	289m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
9	319m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	325m NW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
11	373m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	382m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	448m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

2

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 136](#) >

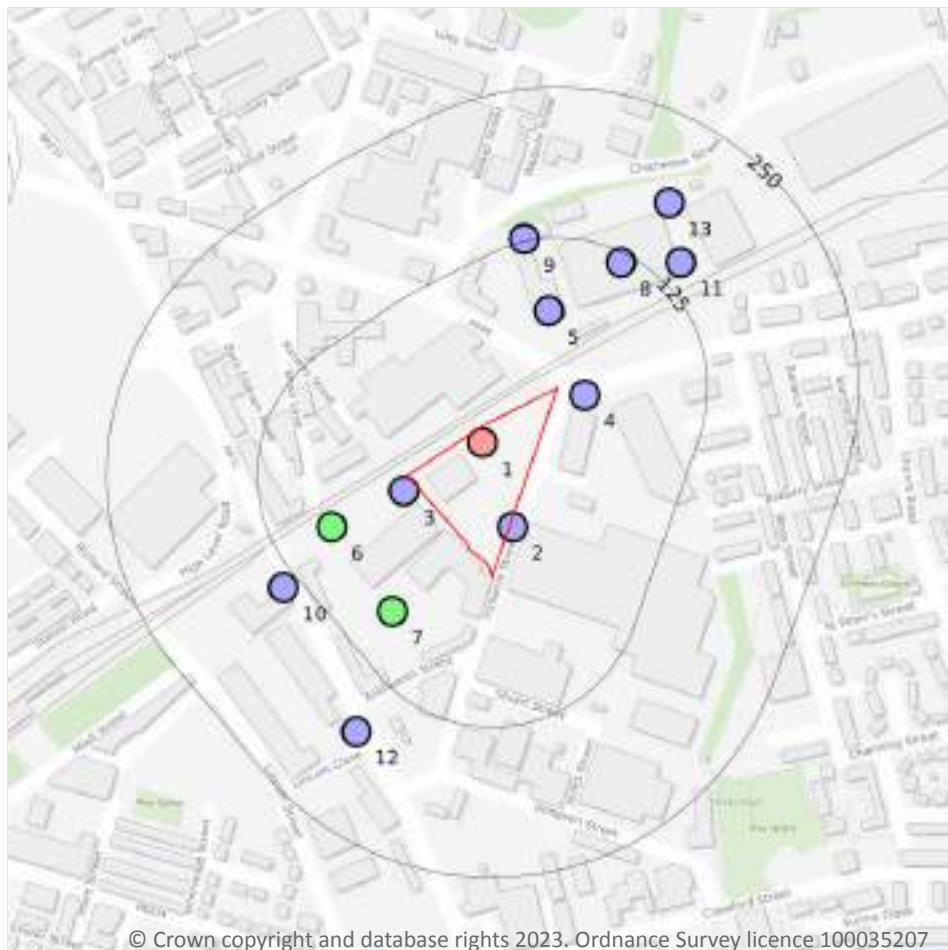


ID	Location	Category	Description
2	62m N	FAULT	Fault, inferred
14	448m NE	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

13

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 139](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	390325 412870	CONCRETE PLANT FISHWICK STREET ROCHDALE	51.0	N	19363750 ↗
2	3m SE	390350 412800	MILNROW ROAD ROCHDALE BH1	6.0	N	35316 ↗

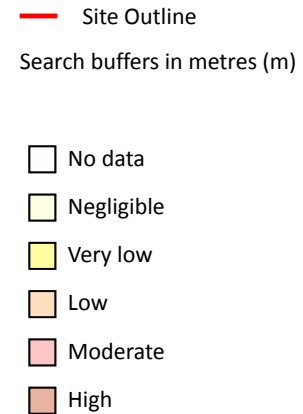


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	11m W	390260 412830	FISHWICK STREET ROCHDALE BH1	5.0	N	35313 ↗
4	23m NE	390410 412910	MILNROW ROAD ROCHDALE BH2	6.0	N	35317 ↗
5	65m N	390380 412980	ROCHDALE, BOREHOLE NO.4	4.57	N	35150 ↗
6	76m W	390200 412800	FISHWICK STREET ROCHDALE BH2	20.0	N	35314 ↗
7	83m SW	390250 412730	FISHWICK STREET ROCHDALE BH3	19.0	N	35315 ↗
8	117m NE	390440 413020	ROCHDALE, BOREHOLE NO.3	6.4	N	35149 ↗
9	127m N	390360 413040	ROCHDALE, BOREHOLE NO.1	4.57	N	35147 ↗
10	139m SW	390160 412750	OLDHAM ROAD ROCHDALE BH1	5.0	N	35285 ↗
11	146m NE	390490 413020	ROCHDALE, BOREHOLE NO.5	6.1	N	35151 ↗
12	172m SW	390220 412630	OLDHAM ROAD ROCHDALE BH2	5.0	N	35286 ↗
13	180m NE	390480 413070	ROCHDALE, BOREHOLE NO.2	7.32	N	35148 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

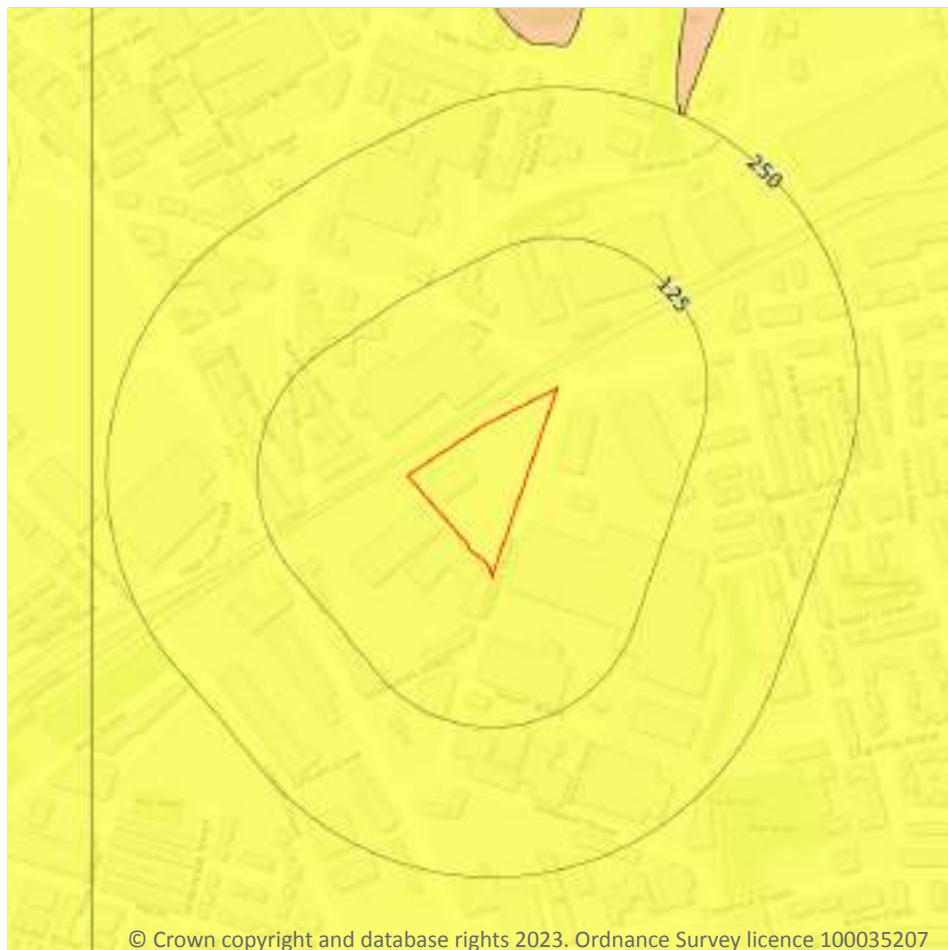
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 141 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

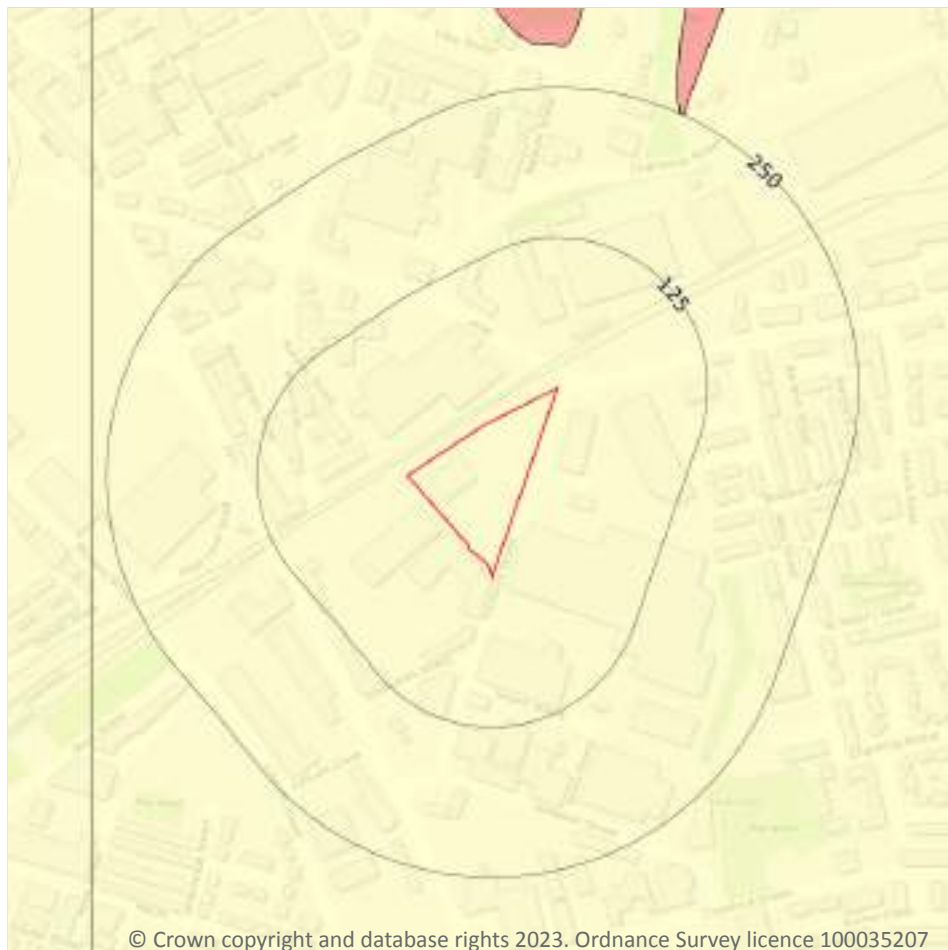
Features are displayed on the Natural ground subsidence - Running sands map on [page 142 >](#)

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

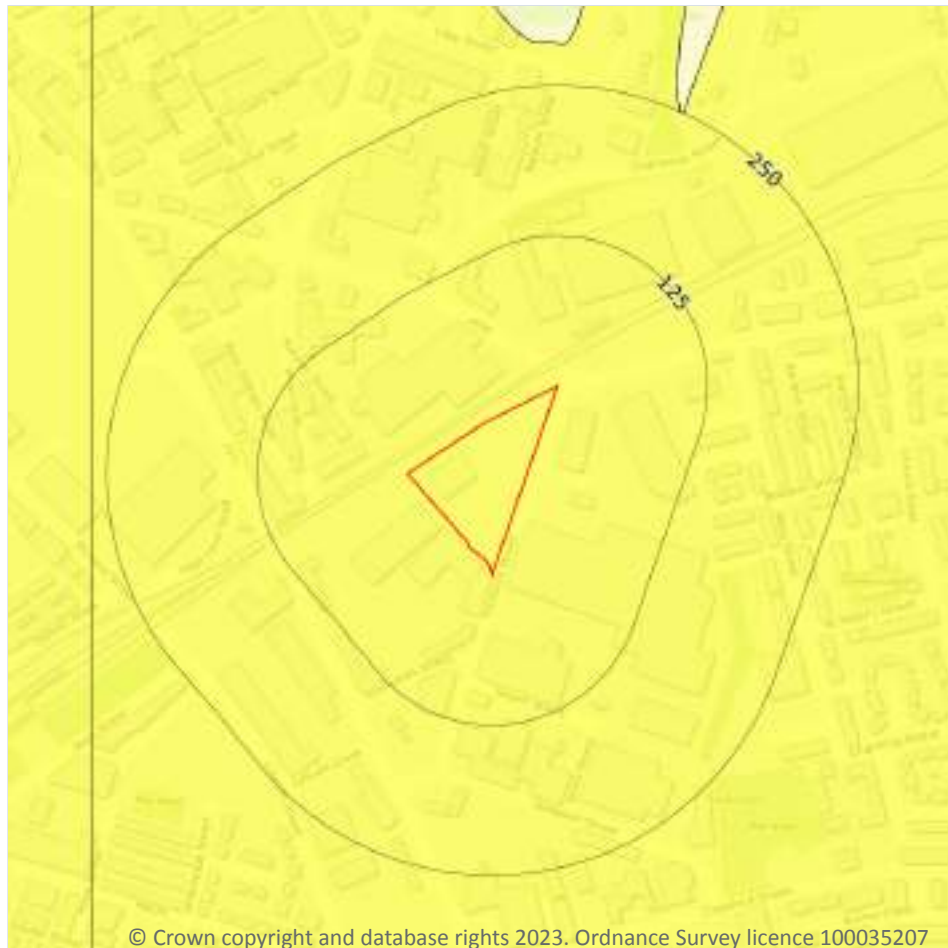
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 143](#) >

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

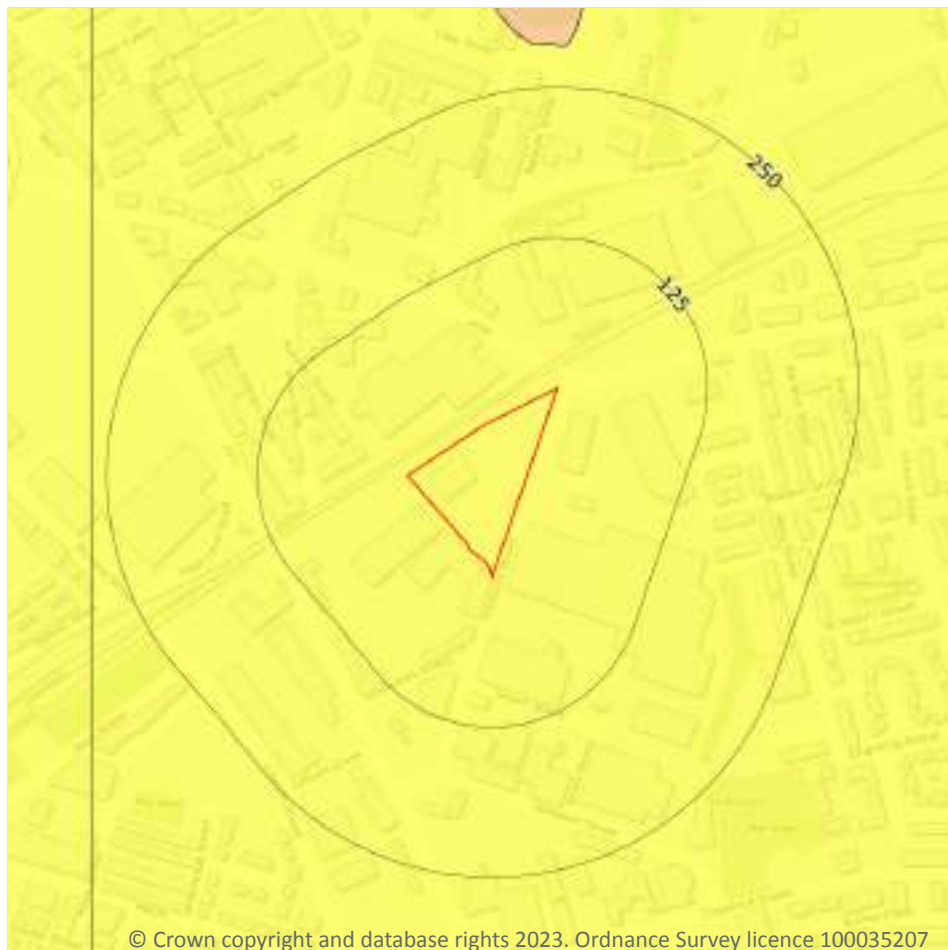
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 144 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 145 >](#)

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 146 >](#)

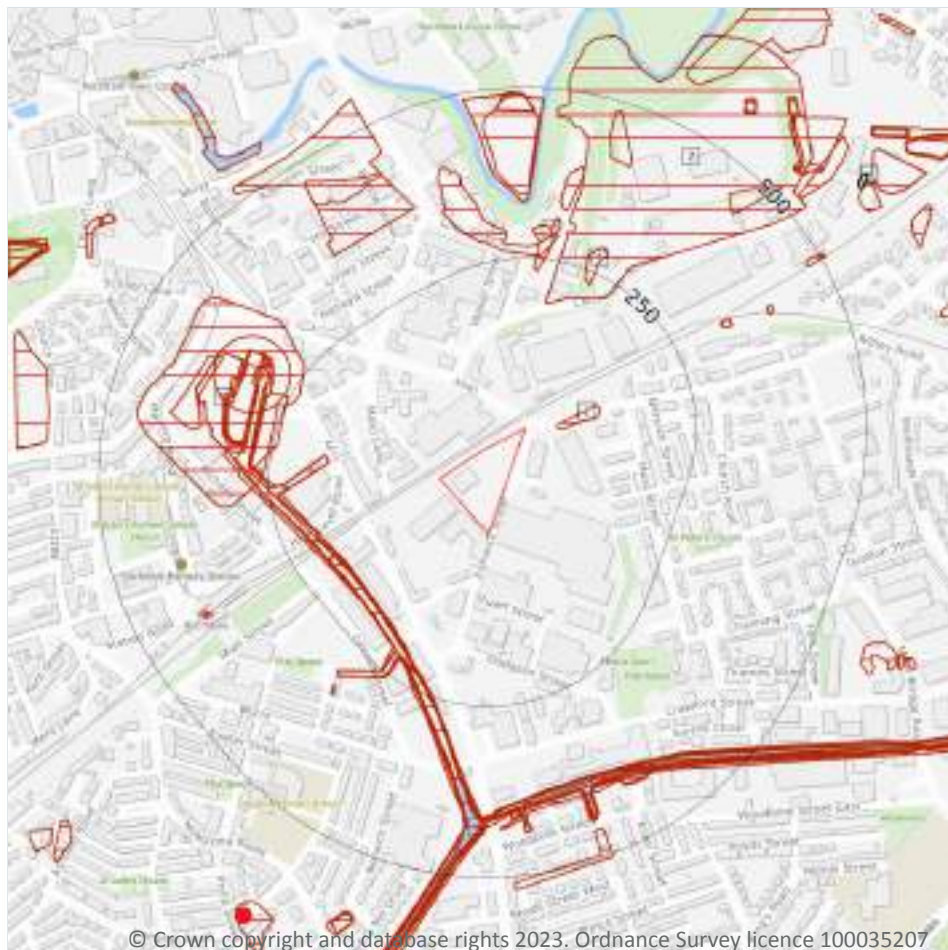
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
 - Sporadic underground mining of restricted extent possible
 - Localised small scale underground mining possible
 - Small scale mining possible
 - Underground mining known or likely within or in close proximity
 - Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

14

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 148 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	48m NE	Pond	1851	1:10560
A	164m W	Canal	1928	1:10560
A	164m W	Canal	1908	1:10560
A	164m W	Canal	1891	1:10560
B	184m SW	Canal	1938	1:10560
C	186m SW	Canal	1954	1:10560
2	187m N	Refuse Heap	1976	1:10000
C	189m SW	Canal	1967	1:10560
B	190m SW	Canal	1851	1:10560
3	216m SW	Canal	1976	1:10000
4	232m NE	Refuse Heap	1967	1:10560
5	232m N	Unspecified Heap	1891	1:10560
D	239m NW	Canal Wharf	1891	1:10560
D	243m W	Canal Wharf	1851	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

2

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on [page 148 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
M	604m NE	Air Shafts	1976	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
M	604m NE	Air Shafts	1967	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.



18.8 The Coal Authority non-coal mining

Records within 500m**0**

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m**0**

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m**0**

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m**0**

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.



18.12 Coal mining

Records on site	1
-----------------	---

Areas which could be affected by past, current or future coal mining.

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0
-----------------	---

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
-----------------	---

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

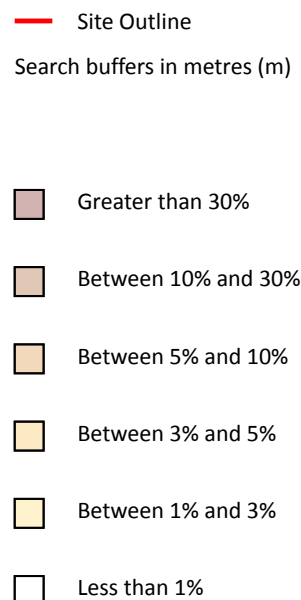
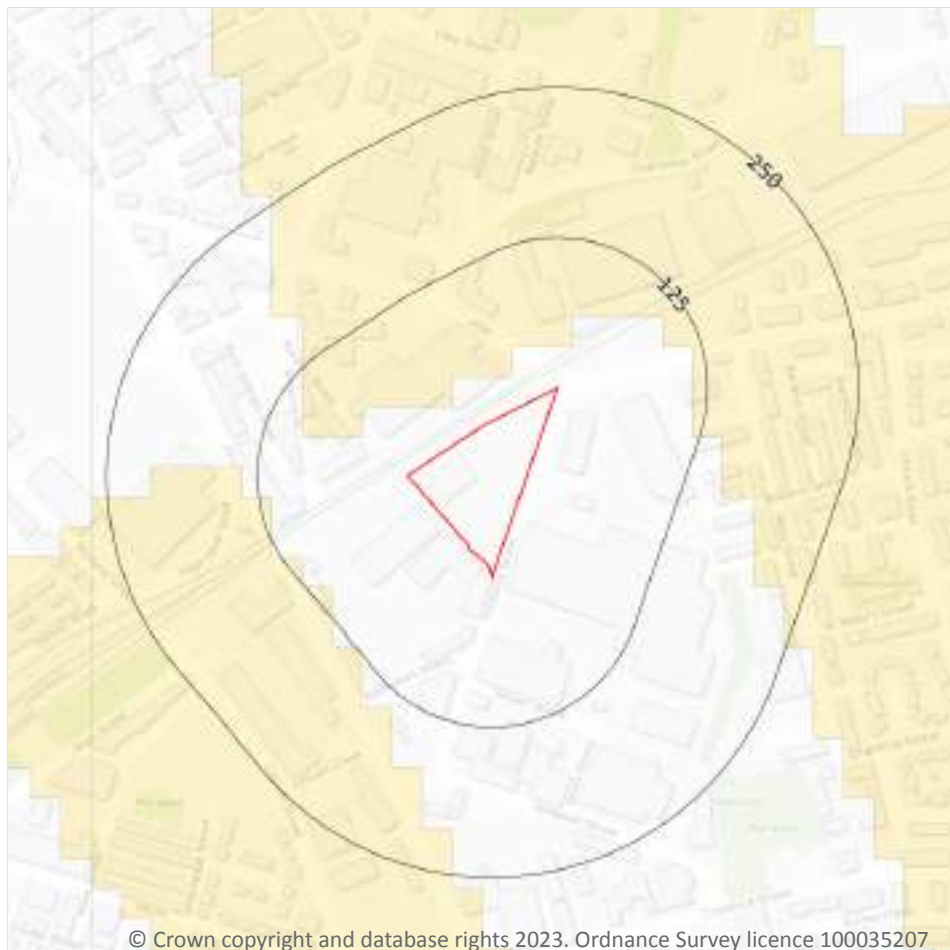
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 155 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	300 - 600 mg/kg	240 - 360 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

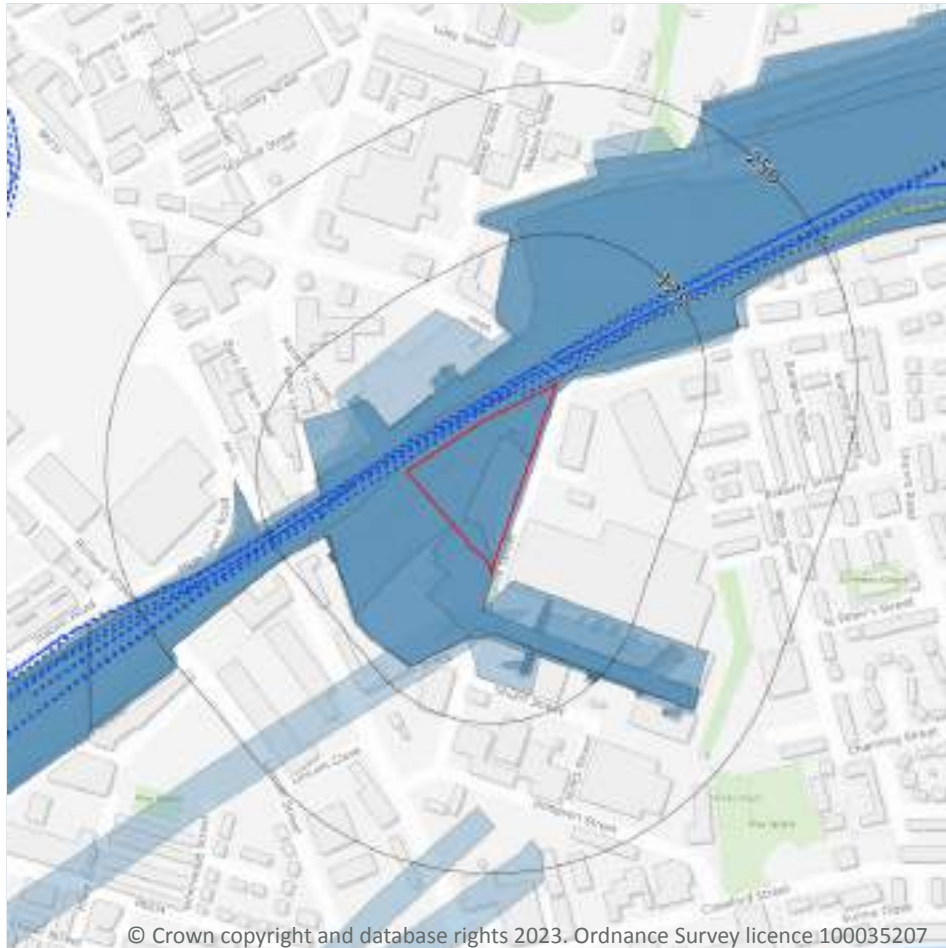
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

43

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 158 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1957	2500
On site	Railway Sidings	1957	1250
On site	Railway Sidings	1985	1250
On site	Railway Sidings	1982	1250
On site	Railway Sidings	1976	10000
On site	Railway Sidings	1967	10560
On site	Railway Sidings	1954	10560
On site	Railway Sidings	1938	10560
On site	Railway Sidings	1928	10560
On site	Railway Sidings	1908	10560
On site	Railway Sidings	1891	10560
6m W	Railway Sidings	1851	10560
16m N	Railway Sidings	1957	2500
31m S	Railway Sidings	1892	-
37m S	Railway Sidings	1930	2500
39m S	Railway Sidings	1910	2500
40m S	Railway Sidings	1891	2500



Location	Land Use	Year of mapping	Mapping scale
40m S	Railway Sidings	1985	1250
41m S	Railway Sidings	1982	1250
41m S	Railway Sidings	1988	1250
41m S	Railway Sidings	1985	1250
52m SE	Railway Sidings	1957	1250
52m SE	Railway Sidings	1985	1250
63m N	Railway Sidings	1957	1250
77m N	Railway Sidings	1957	1250
82m SE	Railway Sidings	1891	2500
85m N	Railway Sidings	1957	2500
89m N	Railway Sidings	1957	1250
94m SE	Railway Sidings	1891	2500
108m SE	Railway Sidings	1891	2500
123m NE	Railway Sidings	1957	1250
128m SE	Railway Sidings	1891	2500
131m W	Railway Sidings	1957	1250
140m NE	Railway Sidings	1957	1250
142m NE	Railway Sidings	1958	1250
172m NE	Railway Sidings	1988	1250
172m NE	Railway Sidings	1990	1250
182m SE	Railway Sidings	1910	2500
183m SE	Railway Sidings	1891	2500
195m S	Railway Sidings	1892	-
247m SW	Railway Sidings	1957	1250
248m SW	Railway Sidings	1930	2500
249m SW	Railway Sidings	1910	2500

This data is sourced from Ordnance Survey/Groundsure.



22.5 Royal Mail tunnels

Records within 250m**0**

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m**1**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on [page 158 >](#)

Location	Description
18m NE	Disused

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m**37**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

Features are displayed on the Railway infrastructure and projects map on [page 158 >](#)

Location	Name	Type
5m NE		rail
5m NE		rail
7m N	Caldervale Line	rail
10m N	Caldervale Line	rail
11m N	Not given	Multi Track
12m N	Caldervale Line	rail
12m NE	Caldervale Line	rail
15m N	Not given	Single Track



Location	Name	Type
15m NE	Not given	Multi Track
16m NE	Caldervale Line	rail
17m N		light_rail
20m NE	Miles Platting and Rochdale Line	rail
20m NE	Caldervale Line	rail
20m NE		light_rail
21m NE		rail
21m NE	Caldervale Line	rail
24m NE	Metrolink	light_rail
47m W	Caldervale Line	rail
74m W		light_rail
76m W	Caldervale Line	rail
77m W	Caldervale Line	rail
79m W	Caldervale Line	rail
101m NE	Not given	Multi Track
125m W	Not given	Multi Track
125m W	Not given	Single Track
132m W	Not given	Single Track
132m W	Not given	Multi Track
147m W	Not given	Multi Track
155m W	Not given	Single Track
179m W	Not given	Multi Track
190m W	Not given	Single Track
192m W	Not given	Single Track
205m SW	Caldervale Line	rail
208m W	Caldervale Line	rail
208m W	Caldervale Line	rail
211m W		light_rail



Location	Name	Type
235m NE	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m	0
----------------------------	----------

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m	0
----------------------------	----------

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m	0
----------------------------	----------

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: <https://www.groundsure.com/terms-and-conditions-april-2023/> ↗.



APPENDIX C

BGS Borehole Records



DRILLING LOG

3 131

DRAGON DRILLING LIMITED
BRICKFIELD LANE
RUTHIN
LL15 2TN
TEL: 01824 707777

British Geological Survey

British Geological Survey

British Geological Survey

SITE: Concrete Plant, Fishwich Street Rochdale BGS REF No SN13/118 NGR: SD90325 12870 DATE: 30/4 – 10/5 SITE AOD : 140m

OPERATION	SIZE (MM)	FROM DEPTH (M)	TO DEPTH (M)	TOTAL
Set up				1
Drilling Symatrex	194	GL	1.50	1.50
Drilling, Mud Drilling		GL	47.00	47.0
Drilling Symatrex	194	GL	36.0	36.0
Installed perm casing	168	GL	47.3	47.3
OPEN HOLE		47.3	51.0	3.7

DEPTH (M)	DESCRIPTION		MATERIAL & DEPTH (M)
GL	Concrete /steel		0.0 Bentonite
1.5	Sand and Gravel some Coal and Clay		
			2.0 Gravel
20.0	Water Strike		
47.0	Clean Gravel		
51.0	Clean Gravel		51.0 Gravel

PREDICTED DEPTH (M)	ACTUAL DEPTH (M)	GROUNDWATER (MBGL)	END CAP	SLOTTED (M)	PLAIN (M)	CASING HEIGHT (MAGL)	STONE (MBGL)	BENTONITE (MBGL)
51.0	51.0	20.0	Yes	40.0	11.0	n/a	2.0 – 51.0	0.0 – 2.0

GROUNDWATER RECHARGE RATE (m³/hour):

SIGNED: Francis Hay (LEAD DRILLER)



**STRATA
SURVEYS
LIMITED**

Sheet 1 of 1

Date 12/05/96

Scale 1:50

SD 915W. 9026 1283 190



CABLE PERCUSSION RECORD SHEET

Location Fishwick Street, Rochdale

Client: H. Yearsley SAPF

Borehole No. BH1

Sheet 1 of 1.

Job No.: 8558

Equipment and methods: light cable percussion

Drilled by: L.B.

Casing Diameter (mm) 150

Ground level: m AOD

Casing Depth (m) 4.50

Co-ordinates: E N

Date: 14/12/95

CASING DEPTH (m)	WATER DEPTH (m)	Field Records	SAMPLES / TESTS			Description	Depth & Thickness (m)	Reduced Level (m AOD)	Strike Legend
			Depth (m) from	to	SAMPLE Type & No				
1.00	nd		0.50	0.50	B 1	MADE GROUND (Very loose ash and brick rubble)	0.00		
			0.90	0.90	B 2	MADE GROUND (Very loose brown silty fine to medium sand)	0.80		
			1.00	1.45	S 1		0.50		
2.00	nd		1.50	2.00	B 1	MADE GROUND (Brown and black slightly silty very sandy fine to coarse gravel of ash and cinder)	1.70		
			2.00	2.45	S 2		1.70		
			2.50	3.00	B 2		1.70		
3.00	nd		3.00	3.45	S 3	MADE GROUND (Soft black sandy clay with some fine to medium gravel of brick and cinder)	3.00		
			3.50	4.00	B 3		3.20		
						Medium dense/loose below 4.50m brown silty fine to medium SAND with a little fine to medium gravel	11.00		
4.50	nd		4.50	4.95	S 4		5.00		
		-(14/12)-				borehole complete			

Remarks

1) Inspection pit 0.80m x 0.80m x 1.00m (1 hr)

2) No groundwater encountered

Logged by

MSW

Date

19/12

Checked by

Approved by

Scale 1:50

FIG No.

SD 91860. 9041 1291 194



CABLE PERCUSSION RECORD SHEET

Location: Milnrow Road
Client: Rochdale MBC

Project Ref.:

Borehole No. BH2

Sheet 1 of 1

Job No.: 8735

Equipment and methods light cable percussion

Casing Diameter (mm) 150

Casing Depth (m)	5.00
------------------	------

Drilled by CB

Ground level 137.557 m AOD

Common names	E	N
1. <i>Chrysomelids</i>		
2. <i>Curculionids</i>		
3. <i>Chrysomelids</i>		
4. <i>Chrysomelids</i>		
5. <i>Chrysomelids</i>		
6. <i>Chrysomelids</i>		
7. <i>Chrysomelids</i>		
8. <i>Chrysomelids</i>		
9. <i>Chrysomelids</i>		
10. <i>Chrysomelids</i>		
11. <i>Chrysomelids</i>		
12. <i>Chrysomelids</i>		
13. <i>Chrysomelids</i>		
14. <i>Chrysomelids</i>		
15. <i>Chrysomelids</i>		
16. <i>Chrysomelids</i>		
17. <i>Chrysomelids</i>		
18. <i>Chrysomelids</i>		
19. <i>Chrysomelids</i>		
20. <i>Chrysomelids</i>		
21. <i>Chrysomelids</i>		
22. <i>Chrysomelids</i>		
23. <i>Chrysomelids</i>		
24. <i>Chrysomelids</i>		
25. <i>Chrysomelids</i>		
26. <i>Chrysomelids</i>		
27. <i>Chrysomelids</i>		
28. <i>Chrysomelids</i>		
29. <i>Chrysomelids</i>		
30. <i>Chrysomelids</i>		
31. <i>Chrysomelids</i>		
32. <i>Chrysomelids</i>		
33. <i>Chrysomelids</i>		
34. <i>Chrysomelids</i>		
35. <i>Chrysomelids</i>		
36. <i>Chrysomelids</i>		
37. <i>Chrysomelids</i>		
38. <i>Chrysomelids</i>		
39. <i>Chrysomelids</i>		
40. <i>Chrysomelids</i>		
41. <i>Chrysomelids</i>		
42. <i>Chrysomelids</i>		
43. <i>Chrysomelids</i>		
44. <i>Chrysomelids</i>		
45. <i>Chrysomelids</i>		
46. <i>Chrysomelids</i>		
47. <i>Chrysomelids</i>		
48. <i>Chrysomelids</i>		
49. <i>Chrysomelids</i>		
50. <i>Chrysomelids</i>		
51. <i>Chrysomelids</i>		
52. <i>Chrysomelids</i>		
53. <i>Chrysomelids</i>		
54. <i>Chrysomelids</i>		
55. <i>Chrysomelids</i>		
56. <i>Chrysomelids</i>		
57. <i>Chrysomelids</i>		
58. <i>Chrysomelids</i>		
59. <i>Chrysomelids</i>		
60. <i>Chrysomelids</i>		
61. <i>Chrysomelids</i>		
62. <i>Chrysomelids</i>		
63. <i>Chrysomelids</i>		
64. <i>Chrysomelids</i>		
65. <i>Chrysomelids</i>		
66. <i>Chrysomelids</i>		
67. <i>Chrysomelids</i>		
68. <i>Chrysomelids</i>		
69. <i>Chrysomelids</i>		
70. <i>Chrysomelids</i>		
71. <i>Chrysomelids</i>		
72. <i>Chrysomelids</i>		
73. <i>Chrysomelids</i>		
74. <i>Chrysomelids</i>		
75. <i>Chrysomelids</i>		
76. <i>Chrysomelids</i>		
77. <i>Chrysomelids</i>		
78. <i>Chrysomelids</i>		
79. <i>Chrysomelids</i>		
80. <i>Chrysomelids</i>		
81. <i>Chrysomelids</i>		
82. <i>Chrysomelids</i>		
83. <i>Chrysomelids</i>		
84. <i>Chrysomelids</i>		
85. <i>Chrysomelids</i>		
86. <i>Chrysomelids</i>		
87. <i>Chrysomelids</i>		
88. <i>Chrysomelids</i>		
89. <i>Chrysomelids</i>		
90. <i>Chrysomelids</i>		
91. <i>Chrysomelids</i>		
92. <i>Chrysomelids</i>		
93. <i>Chrysomelids</i>		
94. <i>Chrysomelids</i>		
95. <i>Chrysomelids</i>		
96. <i>Chrysomelids</i>		
97. <i>Chrysomelids</i>		
98. <i>Chrysomelids</i>		
99. <i>Chrysomelids</i>		
100. <i>Chrysomelids</i>		

Date 10/05/96

CASING DEPTH (m)	WATER DEPTH (m)	Field Records	SAMPLES / TESTS			Description	Depth & Thickness (m)	Reduced Level (m AOD)	Strata Legend
			Depth (m) from	to	SAMPLE Type & No				
						TOPSOIL	0.20	137.357	
			0.58		S 1	MADE GROUND (Loose dark brown silty fine to medium sand with much fine to coarse red brick)	0.60		
1.2			1.20	1.65	S 1		1.60		
2.00	nil	30	2.00	2.45	U 1	Firm brown grey sandy CLAY with some fine to medium gravel	1.80	137.717	
			2.70		D 2		0.20		
3.08	wet AH	25 3.53 11/05	3.00 3.18	3.45	U 2 W 1	Firm brown grey sandy CLAY with a little fine gravel with some sand lenses	3.00	134.557	
			3.70		D 3				
4.00	wet	25	4.00	4.45	U 3		0.20		
			5.00		D 4				
5.00	wet	25	5.40	5.85	U 4		6.00	131.597	
		- (10/05) -				borehole complete			

Remarks

- Remarks
1) Inspection pit 1.00m x 1.00m x 1.20m (1 m²)
2) No groundwater encountered
3) Piezometer installed to 5.80m seal at 2.00m water standing at 3.10m before and 2.50m after installation
4) Reading 2.50m 12/05 2.45m 13/05

Logged by

	Day
--	-----

Checked by

Approved by _____

FIG. No.

Scale 1:50

APPENDIX D

Potential Pollutant Linkages

POTENTIAL RECEPTOR	COMMENTS	Include in PCM
PROPERTY: Other		
On Site		
Crops	None intended on site	✗
Domestic Produce	None intended on site	✗
Livestock	None anticipated on site	✗
Domestic Animals	None anticipated on site	✗
Game	None on site	✗
Off Site		
Crops	No agricultural fields within 250 m of the site	✗
Domestic Produce	Possibly in houses near to site	✓
Livestock	No agricultural fields within 250 m of the site	✗
Domestic Animals	May belong to residents near to site	✓
Game	Not applicable	✗
PROPERTY: Buildings		
On Site		
	Industrial/commercial properties, services	✓
Off Site		
	Industrial/commercial properties to the north, south, east and west, services, flora	✓
HUMANS		
On Site		
Occupiers	Future occupiers	✓
Construction Workers	During ground excavations	✓
Employees	Future employees	✓
Surface water users	No current surface water abstractions located on site	✗
Off Site		
Residents	Residents near to site	✓
Recreational users	Recreational Users of the area within 250 m of the site.	✓
Groundwater users	No groundwater abstractions within 250 m.	✗
Controlled Waters		
On Site		
Surface Waters	There are no surface water features on site.	✗
Groundwater	The superficial strata (Glaciofluvial Deposits - Sand and Gravel) and the underlying bedrock are classified by the EA as a 'Secondary A Aquifers'. There are no groundwater abstraction licenses within 250 m of the site. Furthermore, the site is not located within a groundwater Source Protection Zone. The aquifers are considered as receptors to be considered in the conceptual model	✓
Off Site		
Controlled Waters	There are no surface water features within 250 m of the site.	✗
Ecological Systems		
On/Off Site		
SSSSIs, national nature reserves, SACs etc	The site is not affected by any of the ecological systems identified as a statutory receptor in the DETR Circular 01/2006	✗

Table A: Potential Receptors to be Considered in the Preliminary Conceptual Model

Link	Source	Hazard	Transport Mechanism	Pathway	Medium of Exposure	Receptor	Risk Summary*
1	Contaminated soils	Direct contact /ingestion of soil or dust	Direct contact with contaminated soil	Dermal contact/ingestion of soil at surface	Soil	Humans (on-site)	Low
2	Contaminated soils	Particulate inhalation	Wind blown particulates	Inhalation of particulates	Air	Humans (on-site/off-site)	Low
3	Contaminated Soils	Inhalation of Ground Gas	Degradation of contaminants generating ground gas through unsaturated zone to soil leading to inhalation	Inhalation of Gases	Air	Humans (on-site/off-site)	Low-medium
4	Contaminated Soils	Vapour Inhalation	Volatilisation of organic compounds through unsaturated zone of soil leading to inhalation	Inhalation of Gases	Air	Humans (on-site/off-site)	Low
5	Contaminated Soils	Damage to structure/services	Direct contact of contaminants with building structures/services	Direct contact	Soil/Water	Structures, services	Low-medium
6	Contaminated Soils	Damage to Structure through explosion	Degradation of contaminants generating ground gas through unsaturated zone to soil leading to build-up/explosion risk	Migration of methane through soils	Air	Structures	Low
7	Contaminated Soils	Pollution of underlying groundwater	Dissolution or suspension of contaminants into groundwaters (Superficial and Bedrock Aquifer)	Dissolution or Suspension	Water	Groundwaters	Low-medium

Table B: Preliminary Conceptual Model

***Relative Risk Screening and Prioritisation for further Investigation & or Assessment**

High	Higher probability of occurrence and identification of primary sources of contamination with respect to most sensitive receptors.
Medium	Pollutant linkage generally dependent on the presence of other primary pollutant linkages and/or where pollutant linkage generally associated with less sensitive receptors.
Low	Lower probability of occurrence such as based on requirement for significant migration pathway or where pollutant linkage requires the presence of source contaminants at concentration likely to be much higher than other identified pollutant linkages.

APPENDIX E

Site Photographs

				
P1: View of the southern corner of the site from the centre of the site	P2: Southern wall of the building in the north-west of the site			
				
P3: Area to the west of the building in the north-west of the site	P4: Area to the rear of the building in the north-west of the site			
				
P5: Storage area for an IBC, oil drums and vehicle waste to the east of the on-site building	P6: Eastern wall of the on-site building			
Comments:				
Photographs 1 to 6				
This appendix is for illustrative purposes only and is for use only in conjunction with associated reports relating to the project		Project No: 23133	Created By: AH	Date: October 2023
Site: Old Railway Yard, Rochdale Title: Appendix E - Site Photographs		Client: Building Elements Ltd		



P7: Steel beams located on the northern site periphery



P8: The northern corner of the site



P9: Metal storage crates, concrete blocks and an empty IBC located to the south of the northern corner of the site



P10: View of the eastern site periphery facing north



P11: Small outbuilding located near the southern corner of the site on the eastern site periphery



P12: The southern corner of the site

Comments:



Photographs 7 to 12

This appendix is for illustrative purposes only and is for use only in conjunction with associated reports relating to the project

Site: Old Railway Yard, Rochdale

Title: Appendix E - Site Photographs

Project No: 23133

Created By:
AH

Date:
October 2023

Client: Building Elements Ltd

APPENDIX F

Drawings



LEGEND

 SITE LOCATION

REV	DESCRIPTION	DATE	BY



No 2 Landwick Court, Metcalf Drive, Altham Business Park, Lancashire
Tel: 01254 377622 Mob: 07906753583
Email: mbuckley@bekenenviro.co.uk
Web: www.bekenenviro.co.uk

CLIENT.

BUILDING ELEMENTS LTD

JOB TITLE.

OLD RAILWAY YARD, ROCHDALE

DRAWING TITLE.

SITE LOCATION PLAN

SCALE @ A3. N.T.S	DRAWN BY. D.E.	APPROVED BY. M.B.	DATE. 09/10/23
DRAWING No. 23133-1			REV. -



LEGEND

 APPROXIMATE
SITE BOUNDARY

REV	DESCRIPTION	DATE	BY



No 2 Landwick Court, Metcalf Drive, Altham Business
Park, Lancashire
Tel: 01254 377622 Mob: 07906753583
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

CLIENT.

BUILDING ELEMENTS LTD

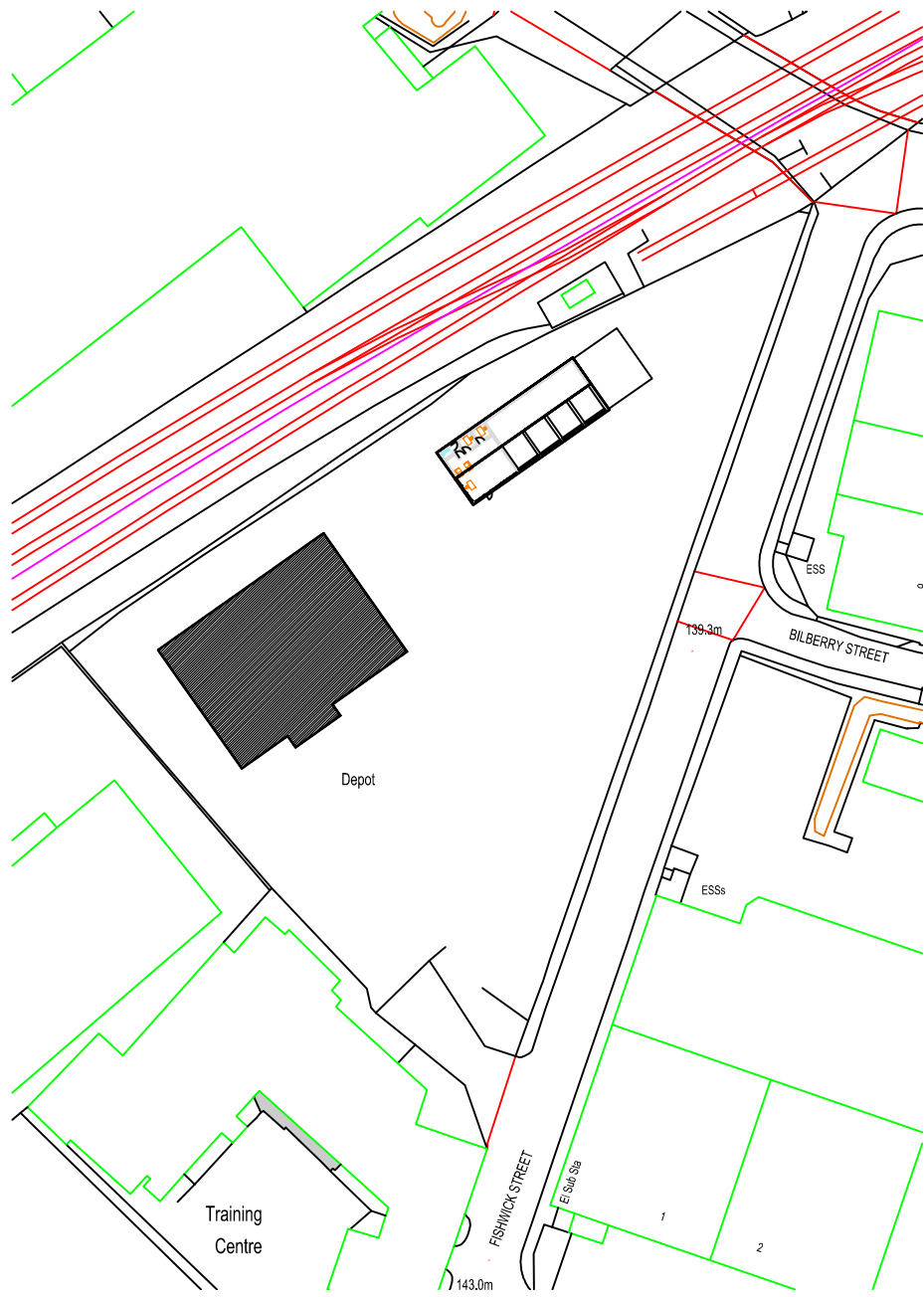
JOB TITLE.

OLD RAILWAY YARD, ROCHDALE

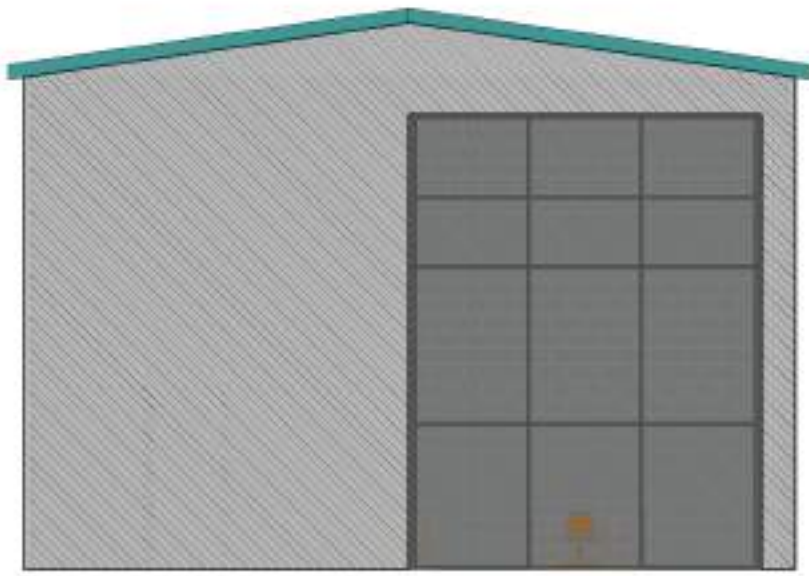
DRAWING TITLE.

SITE LAYOUT

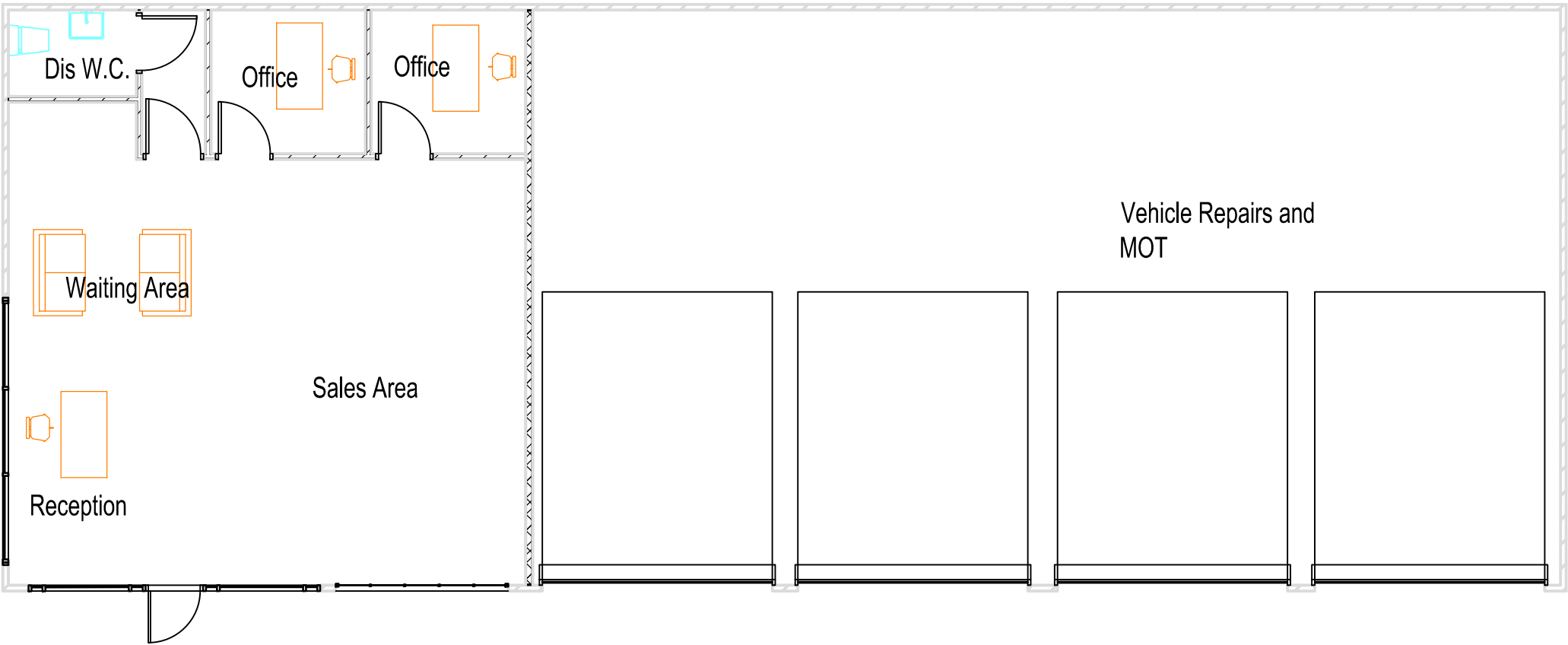
SCALE © A3. N'TS	DRAWN BY. D.E.	APPROVED BY. M.B.	DATE. 09/10/23
DRAWING No. 23133-2	REV. -		



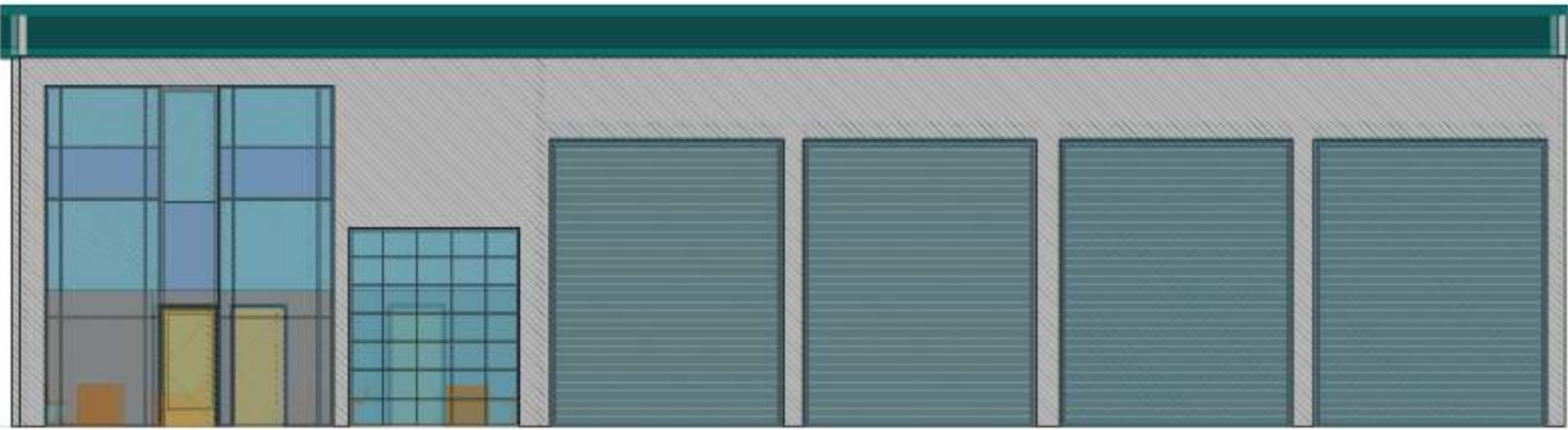
Location Plan
Scale:1:1250 @A1



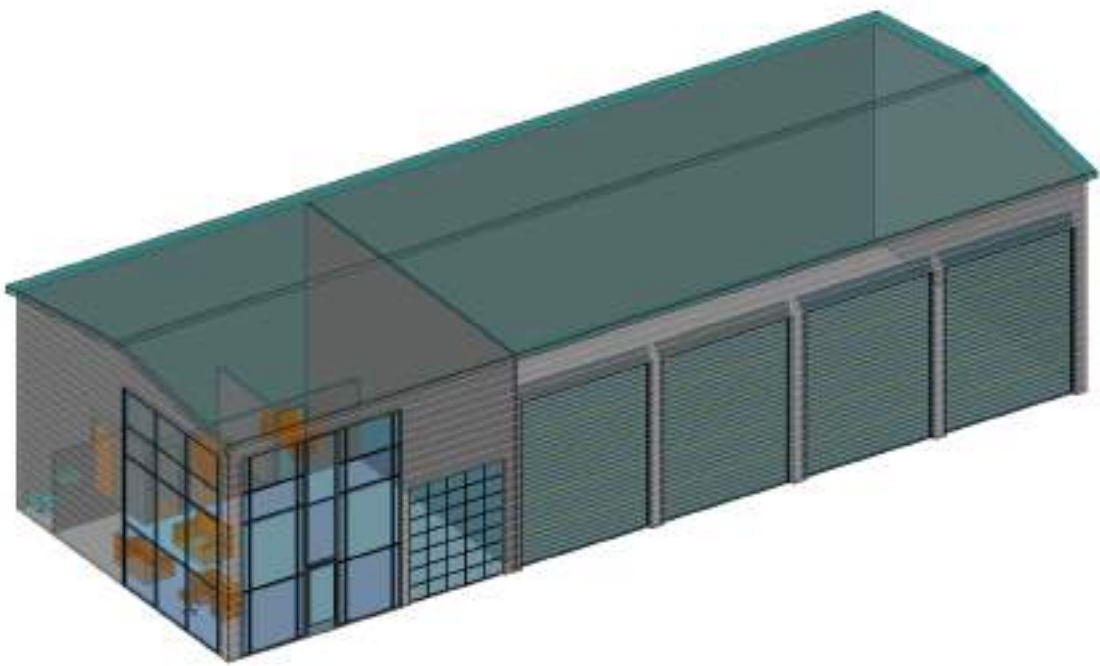
Left Elevation
Scale:1:100 @A1



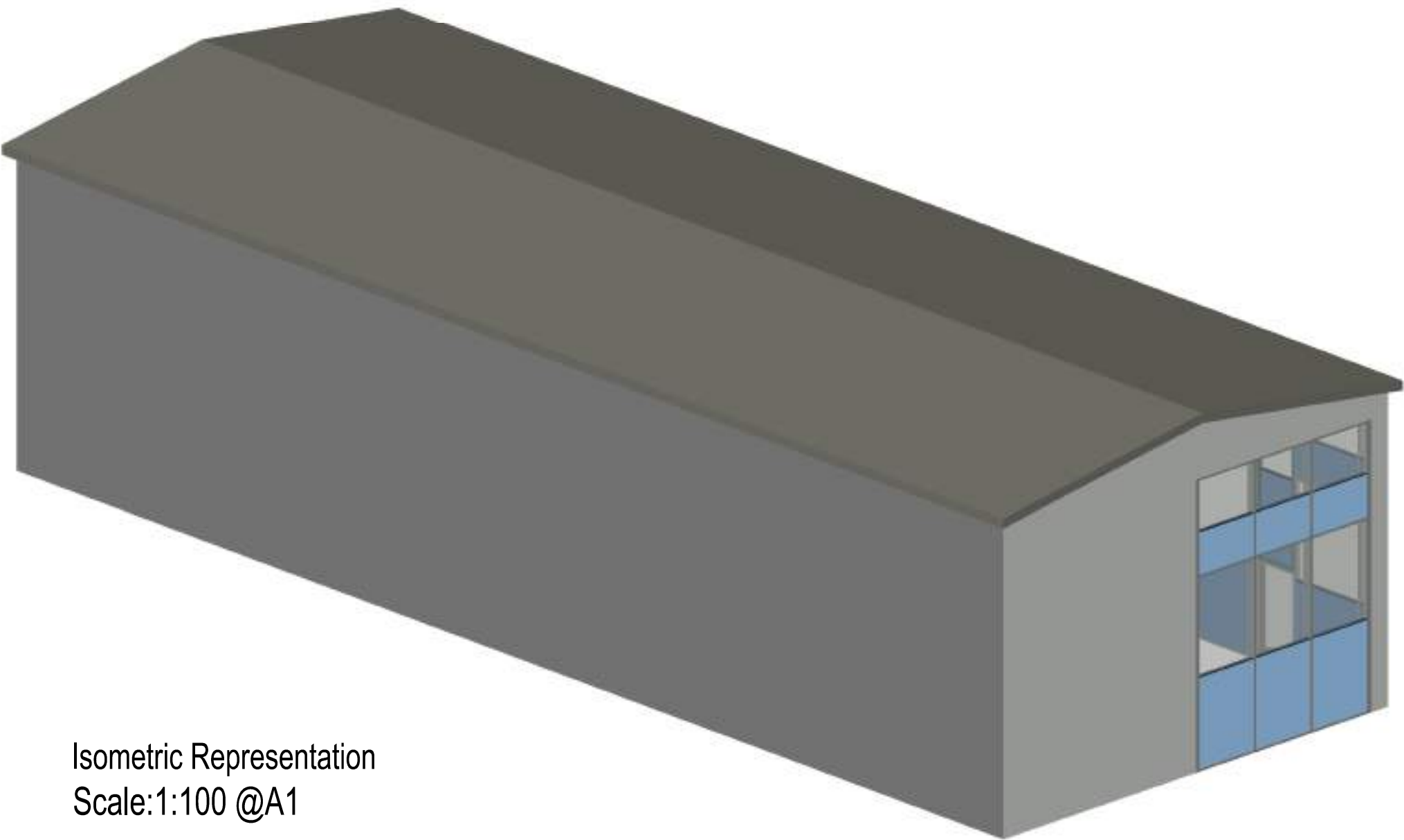
Floor Plan
Scale:1:100 @A1



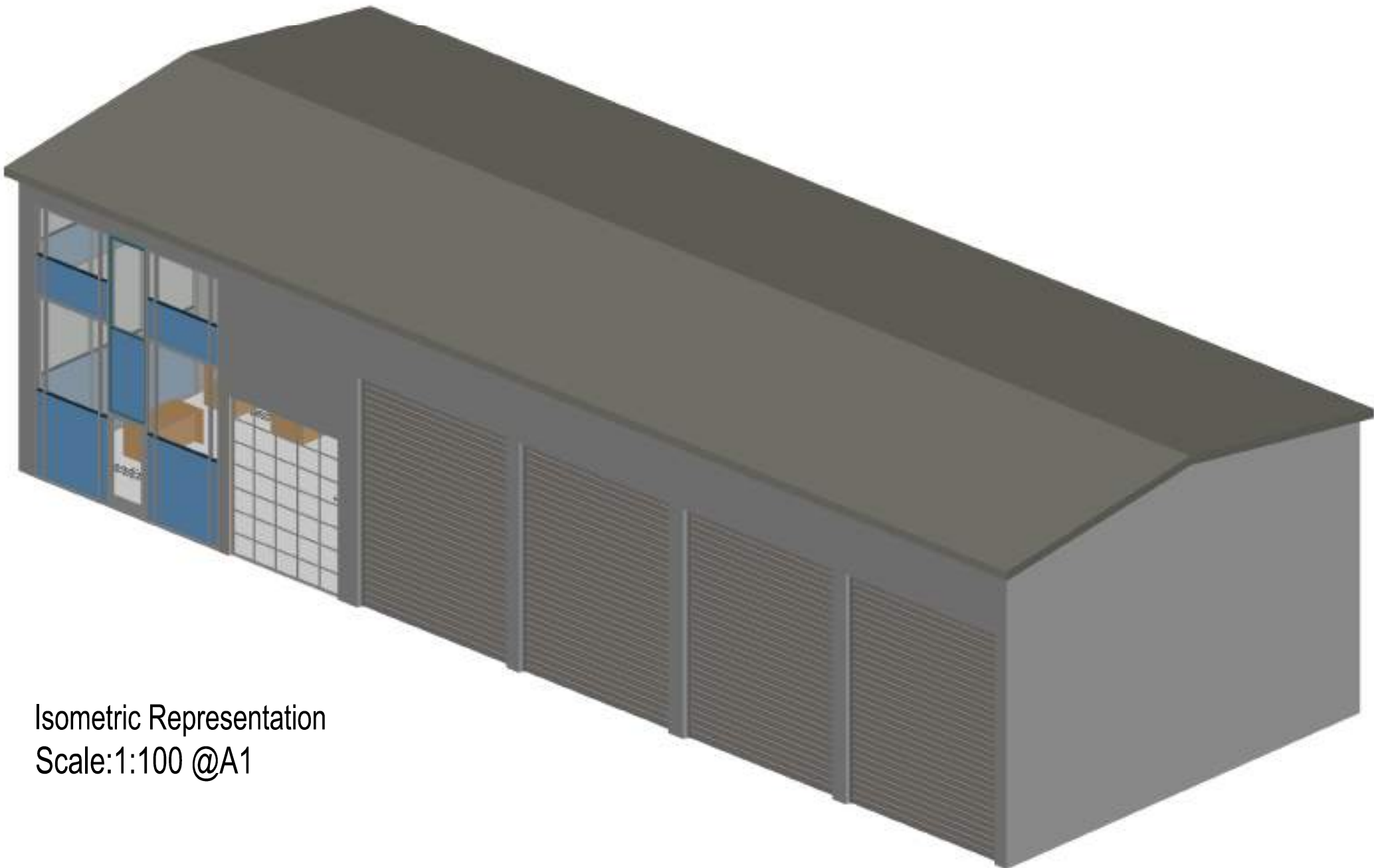
Front Elevation
Scale:1:100 @A1



Isometric X-ray
Scale:1:200 @A1



Isometric Representation
Scale:1:100 @A1



Isometric Representation
Scale:1:100 @A1

Notes:

All work is to be carried out to the latest current British standards Codes of Practice and recognised working practices.

All work and materials should comply with Health and Safety legislation.

All work and materials to be approved by the District Authority Building Control Officer.

All dimensions are in millimetres unless where explicitly shown otherwise.

The contractor should check and certify all dimensions as work proceeds and notify the architect of any discrepancies.

Do not scale off the drawings, if in doubt ask.

Address:
The Old Railway Yard, Fishwick St,
Rochdale
OL16 5NA

Title: NEW BUILD MOT AND SALES BUILDING

DRAFT DESIGN - 6 Bays

AV Town Planning

Chartered Town Planning



Town Planning - Architectural Design - Building Regulations - Surveying

Phone: 01282 691744
Email: alan@theresedeygroup.co.uk
31-33 Kenyon Road, Nelson, Lancashire, BB9 5SZ

Drawing No: STE/03 - Dwg 01A

Drawn: DP

Client: Steadplan Group Ltd

Date: 31/07/23

Scale: @A1