

RIDGE

DESK TOP STUDY

ROBERT STREET, MANCHESTER

RANI INVESTMENTS LIMITED
March 2024

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1. INTRODUCTION

1.1. Brief

Ridge and Partners LLP (Ridge) have been commissioned by Rani Investments Limited (the Client) to undertake a Desk Top Study for land at Robert Street, Cheetham Hill, Manchester (hereafter referred to as 'the site'). A site location plan is included as Figure 1and a site boundary plan is included as Figure 2.

Ridge were briefed to use information provided by the client to obtain an environmental database search relating to the site and carry out a walkover survey to assess and report on the findings with respect to potential ground contamination and potential associated future liabilities in accordance with guidance outlined in Land Contamination Risk Management (LCRM 2023), published by the Environment Agency.

This report is prepared in line with the agreed brief and is subject to report conditions shown in Appendix 1.

1.2. Proposals

Proposals currently comprise the erection of a part 10, part 14 and part 19 storey residential building comprising 198 apartments (Use Class C3) together with associated residents' amenity space, cycle parking, substation, servicing, and associated landscaping works following demolition of existing buildings.

Current proposed development plans are included as Figure 2 taken from Tim Groom Architects (Drawing No. 1181-TGA-XX-XX-DR-A-02101).

1.3. Legal Context and Methodology

Part IIA of the Environmental Protection Act provides a risk-based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health or the environment, but the regime does not take into account future uses. New developments are therefore controlled by the planning regime, with reference to the National Planning Policy Framework (NPPF, 2023), rather than directly by Part IIA of the Environmental Protection Act.

This report has been prepared in accordance with published Environment Agency guidance – Land Contamination Risk Management (LCRM, 2020), which supersedes CLR 11. CLR 11 adopted and refined the well-recognised methodology and terminology that has been used in contaminated land risk assessment for a number of years.

LCRM advocates a tiered approach to risk assessment, as necessary. This document constitutes a Preliminary Risk Assessment under that guidance.

Further details regarding Legal Context and Methodology are included as Appendix 2.

1.4. End Use Classification

It is acknowledged that the proposed site use is residential, therefore for the Preliminary Risk Assessment the end use classification 'residential' without plant uptake will be applied

A change in the site use from the one currently proposed may result in the need for re-assessment of risk criteria, as such the conclusions and recommendations resulting from the risk assessment could change significantly.

1.5. Report Scope and Limitation

This report is based upon a review of historical and current information, a site walkover survey, geological and hydrogeological mapping and information from an environmental database search. The assessment is based on the proposed end use outlined in Section 1.2. The outcomes of this assessment could change if the end uses change.

The information contained in this report is intended for the use of Rani Investments Limited. Ridge can take no responsibility for the use of this information by any other party or for uses other than that described in this report.

2. SITE CONDITIONS

An engineer from Ridge visited in March 2024 to conduct a walkover survey of the site and the surrounding areas for the purpose of identifying any potential contamination or evidence of previous contaminative processes. The descriptions below relate to site conditions at the time of the inspection only. It should be noted that access into buildings at the site was not possible at the time of the inspection and therefore the descriptions below relate to external areas only.

2.1. Site Location

The site is centred on easting 383878 and northing 399380, to the north of Manchester. The centre of the site is situated at approximately 41m AOD (Above Ordnance Datum).

The site is irregular in shape with an area of 0.25ha.

2.2. Current Site Use

The majority of site is currently occupied by a warehouse with southern section of site currently in use as a car park for staff and visitors.

2.3. Access

There are two vehicle entrances to the car park in the south from Robert Street and Dutton Street with entrance to the warehouse via roller shutter doors in the south.

2.4. Structures

There is one structure present on site consisting of a warehouse with brickwork topped with corrugated metal sheeting and a roller shutter door in the south.

2.5. Boundaries

The car park is bordered by palisade fencing, with the rest of the boundaries made up of the walls of the warehouse building.

2.6. Topography

The site is generally flat and is estimated to be 41mAOD

2.7. Surroundings

The site is within a light industrial/commercial area with a wholesale distributer immediately to the north, a used car dealer to the west, a tattoo parlour to the east and a photography studio to the south.

2.8. Trees & Vegetation

No vegetation was observed within the site boundary.

2.9. Utilities

Drainage grates were observed within the area of car parking.

2.10. Potential Sources of Contamination – Walkover Survey

No potential sources of contamination were observed during the site walkover.

3. SITE HISTORY AND HISTORICAL CONTAMINATIVE SOURCES

3.1. Review of Historical Maps

Ordnance Survey Maps provided within a Groundsure Report package have been obtained to provide details of the history of the site and surrounding areas. A chronological description of the maps is shown in the table below. The descriptions focus on potentially contaminative land uses within 50m and potentially infilled features within 250m of the development site boundary. Note, potential contaminative sources and features outside these distances from the site have been discussed only where they are considered to be relevant. Copies of the maps are included as Appendix 3.

MAPPING (SCALE)	OBSERVATIONS ON-SITE	OFF-SITE
1848-1891 (1:2,500) (1:10,560)	The earliest reviewed map shows the site within a brick field.	A timber yard is present 60m west and a print works is present from 20m south west. Workhouses are present from 190m south.
1891-1908 (1:2,500) (1:10,560)	Several un-labelled structures are present across site with multiple chimneys and a tank in the northwest.	The site is now within a developed area surrounded by several industrial works in the immediate vicinity including a hat works 10m south west, a jam and marmalade works 10m north east, Iron works from 15m south, an agricultural implement works from 60m north west, the Manchester Great Horse Repository 30m north west, a box works 70m south west, a carriage works 70m west, a finishing works 80m south west, a hospital 90m east and an brewery 95m southwest. The timber yard and print works are no longer present.
1908-1933 (1:2,500) (1:10,560)	The buildings in the north of site are slightly reconfigured.	A hat manufactory and cap manufactory are now present 60m northwest and 85m north respectively. The iron works 15m is now labelled as engineering works. A spring and axle works extends west and is now present from 240m west in 1922

MAPPING (SCALE)	OBSERVATIONS ON-SITE	OFF-SITE
1933 - 1949 (1:2,500) (1:10,560)	In the north of the site part of a hat and cap works is within the site boundary.	Further development of industrial works including a millinery works adjacent to the western site boundary, hat and cap works 15m west, 50m north, a glaze works 10m southwest, a chemical works 20m north and brass works 95m south. The engineering works has become cotton waste mills.
1949 - 1951 (1:2,500) (1:10,560)	The buildings in the north of the site are no longer present.	Several buildings within the vicinity of site are no longer present or marked as ruins. The industrial presence is now predominantly in the southwest from 10m and northeast of site from 50m which include an oil works, a printing works, clothing factories, agricultural implements, a radiography centre and garment waterproofing works.
1951- 1958 (1:2,500) (1:10,560)	The building in the centre of the site is labelled as a seed warehouse.	No significant developments.
1958-1987 (1:1,250) (1:10,000)	The building to the southeast is labelled as works.	Works are no longer specified by the industry. Multiple small and large-scale works are present surrounding the site from 10 – 250m which undertake several iterations.
1987-1992 (1:1,250) (1:10,000)	One unlabelled building remains within the site boundary in the southwest.	Continued industrial presence within the immediate and wider vicinity.
1992-2001 (1:1,250) (1:10,000)	An unlabelled building to the north of the site falls within the northern site boundary	Continued industrial presence within the immediate and wider vicinity.
2001 (1:1,250)	The warehouse is present in what appears to be current day configuration	Continued industrial presence within the immediate and wider vicinity.

Table 3.1:Historical Map Review

3.2. Review of Satellite Images

A review of publicly available satellite images has been carried out to provide information in relation to the site.

- The earliest image available for review (2000) shows the site to be in the same configuration as in present day with the warehouse inhabiting the majority of the site and the car park to the south.
- No observable changes from 2000 – 2024 aerial imaging.

3.3. Potential Sources of Contamination – Historical Map Review

Contaminant sources considered to present a potential risk to the site are detailed in the table below.

POTENTIAL SOURCES OF CONTAMINATION CONSIDERED A RISK TO THE SITE		
FEATURE	DISTANCE,	APPROX. DATES
Development and subsequent demolition of on-site structures.	On site	1891 - 2000
Brick field	On site	1848 - 1891
On site tank	On site	1891 - 1908
Unspecified works	On site	1951 - 2003
Hat/cap works (several)	adj-50m S/W/N	1891-1951
Chemical works	20m N	1891-1949
Engineering/Carrige works (multiple)	10-50m N/S/E/W	1891-1958

Table 3.3: Potential Sources following Historical Map Review

Other potential contamination sources are not considered to represent a risk more significant than those summarised in Table 3-2 therefore the features will not be considered further.

4. PHYSICAL SETTING

4.1. Geology and Hydrogeology

The following observations are taken from the British Geological Survey (BGS) GeoIndex (2024) and the Geo Insight Groundsure Report (Appendix 4).

The site is underlain by superficial geology of Devensian Till which in turn is underlain by bedrock geology of Chester Pebble Beds Formation.

Tables 4.1 and 4.2 below identify the expected composition of the published strata and associated aquifer classification.

SUPERFICIAL GEOLOGY	
Unit Name	Devensian Till
Geology Description	Till is unsorted and unstratified drift, generally over consolidated, deposited directly by and underneath a glacier without subsequent reworking by water from the glacier. It consists of a heterogenous mixture of clay, sand, gravel, and boulders varying widely in size and shape (diamicton).
Aquifer	Secondary Undifferentiated
Aquifer Description	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 nonaquifer.

Table 4.1: Superficial Geology

BEDROCK GEOLOGY	
Unit Name	Chester Formation (Chester Pebble Beds)
Geology Description	Thinly bedded silty mudstones, siltstones, silty sandstones and fine-grained sandstones are laterally persistent over long distances. Sandstones, which form prominent scarp and dip slope features, are typically fine-grained and quartzose, weathering to a pale yellowish grey or brown colour.
Aquifer	Principal
Aquifer Description	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

Table 4.2: Bedrock Geology

4.1.1. Artificial Ground, Landslips and Faults

The site is within an area marked on BGS GeoIndex as Infilled Ground.

4.1.2. Radon

The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level. No Radon Protective Measures are considered necessary for new properties or extensions to existing ones.

4.1.3. Ground Workings and Mining

As supported in historical mapping, the site has previously been located within the Strangeways Brick Field which mined for the commodity of clay and shale.

The site is located within a Coal Mining Reporting Area but not within a Development High Riks Area. The site is also located within a Johnson Poole & Bloomer (JPB) mining area and a researched mining area for stone.

4.1.4. BGS Borehole Records

There are several records of boreholes drilled within 100m of the site however the records attached do not provide any pertinent information.

4.1.5. Natural Ground Subsidence

The BGS has provided the following information as summarised in table 4.3 below.

PROCESS	RISK LEVEL	DETAILS
Collapsible Deposits	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
Landslides	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 required.
Running Sands	Very Low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
Shrink Swell Clay	Very Low	Ground conditions predominantly low plasticity.
Compressible Deposits	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
Ground Dissolution of Soluble Rocks	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution.

Table 4.3: Ground Subsidence Records

4.1.6. BGS Estimated Background Soil Chemistry

Estimated background concentrations on site are as follows: arsenic 15-25mg/kg; cadmium 1.8mg/kg; chromium 60-90mg/kg; nickel 30-45mg/kg, lead 200-300mg/kg.

4.2. Hydrology

4.2.1. Surface Water Features

There are no surface water features within 250m of the site.

4.2.2. Flooding

A floodplain with the designation Flood Zone 2 (Fluvial /Tidal Models) is present 50 south west of site.

4.3. Controlled Waters

4.3.1. Abstraction Licenses

There are no abstractions within 500m of the site, inclusive of potable abstractions.

4.3.2. Source Protection Zones

There are no SPZs within 500m of the site boundary.

4.4. Designated Environmentally Sensitive Sites

There are no designated features within 500m of the site.

4.5. Nitrate Vulnerable Zones

The site is classified as a Nitrate Vulnerable Zone (NVZ), known as River Irk (Moston Brook to River Irwell) NVZ and Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ. Nitrate vulnerable zones are areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC).

5. ENVIRONMENTAL RECORDS REVIEW

The following information has been obtained from public archive via the data supplier Groundsure or by direct application. The full Enviro Insight Groundsure Report is included as Appendix 4. The subsequent review focusses on records within 50m of the outlined development site for above ground features or within 250m for potentially infilled features, or those which are considered relevant to the proposed development. Ridge have not included data from Groundsure's own review of historical maps.

5.1. Groundsure Record Search

The following observations are taken from the British Geological Survey (BGS) GeoIndex (2023) and the Enviro Insight Report (Appendix 4).

5.1.1. Historical Industrial Land Uses

As supported in historical mapping there are multiple records of historical industrial land uses within proximity of site. There are two records of above ground land uses within 50m of the site relating to a brewery 12m south and unspecified commercial/industrial area 23m south. There is one record relating to infilled features within 250m of the site which relates to an unspecified pit located from 60m west. A pertinent record over 100m from the site consists of the Manchester Victoria Train Station which is still present located from 182m south.

5.1.2. Historical Petrol Stations and Garages

There are no records of petrol stations within 500m of the site. There are multiple records of garages within 500m of site with the closest located 47m northwest. A comprehensive list is present within the Groundsure Insight report in Appendix 4.

5.1.3. Historical Tank Database

There are seven records within 100m of the site boundary.

5.1.4. Historical Energy Features

There are no records within 50m of the site boundary.

5.1.5. Waste and Landfill

There is one record of a historical waste site within 250m of site which relates to a scrap yard 118m southeast of site and five records of waste exemptions with several iterations relating to HMP Prison from 130m north west of site.

5.1.6. Environmental Permits, Incidents, Registers and Consents

There are two historical permit and one current permit for Licensed pollutant release (Part A(2)/B) within 250m of site, detailed in the table below.

There are no records of pollution incidents categorised as major or significant within 250m of site.

Distance from site	Site	Category
61m west	Park Gge Manchester Ltd, Cheviot St, M3 1LW	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B
188m east	Cheetham Hill Serv Stn, Cheetham Hill Rd, M4 4FT	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B
212m east	Redbank Service Station, 58 Cheetham Hill Road, Cheetham Hill, M4 4EX	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B

Table 5.1: Licensed pollutant release (Part A(2)/B) permits.

5.1.7. Current Industrial Land Uses

There are multiple records of current industrial uses in proximity of the site including packaging works, medical equipment supplies, unspecified factories/works, vehicle repair and textile machinery.

A comprehensive list is present within the Groundsure Index Report within Appendix 4.

5.2. Local Authority Consultation

5.2.1. Planning History

According to Manchester City Council, four planning applications are associated with the property:

- F11802/LA – September 1979 – G.MC. DEVELOPMENT Erection of 3 Nursery Factory Units with ancillary offices, loading areas and car parking areas after demolition of existing building. Application status unknown. No reports associated with this application were identified.
- 026105 – February 1986 – Erection of a single storey warehouse extension and creation of car park/ servicing area. Application permitted. No reports associated with this application were identified.
- 048949/FO/NORTH1/95 – November 1995 – Proposed warehouse with associated offices incorporating new vehicular crossing point. Application permitted. No reports associated with this application were identified.
- 059204/FU/NORTH1/00 – May 2000 – Change of use from warehouse to telehousing/point of presence. Application permitted. No reports associated with this application were identified.

5.3. Potential Sources of Contamination – Records Review

As mentioned in Section 3.3 the multiple industrial complexes both current and historical do not represent a risk higher than the on site risks caused by historical mining and industrial activity therefore they will not be considered further.

6. PRELIMINARY CONCEPTUAL SITE MODEL

The preliminary conceptual site model represents an assessment of the current status of the site and the likelihood of a pollutant linkage for each identified potential combination of contaminant, pathway and receptor. This is based on the guidance provided in CIRIA C552, Contaminated Lane Risk Assessment: A Guide to Good Practice.

It should be noted that there may be risk from short term exposure from contaminated soil to site workers. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors. Acute risks can be easily mitigated by good environmental management of the site during site works. Standard health and safety precautions (as per HSE guidance1) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

6.1. Potential Sources

It should be noted that additional sources of contamination may become apparent during any future investigation and development of the site.

6.1.1. On-Site

Development and subsequent demolition of on-site structures from circa 1891-2000.

- Contaminants of concern (CoC) include those commonly identified in Made Ground such as heavy metals, polycyclic aromatic hydrocarbons (PAHs) and asbestos. Asbestos formerly within fabric of structures may have been mixed with soils to create asbestos containing soils (ACS).
- Hydrocarbons (TPHCWG. BTEX, MBTE) from onsite tank(s).
- There is considered to be some potential for ground gas due to the site's presence within a brick field. Ground gas potential will be dependent on the make-up of Made Ground beneath the site i.e. degradable and organic content.

6.1.2. Off-Site

Industrial uses of the surrounding land give risk to the following potential contaminants:

- Heavy metals (mercury) from hat and cap works adjacent-50m from the site
- Polycyclic aromatic hydrocarbons (PAHs) and asbestos. Asbestos formerly within fabric of structures adjacent to site as well as ash and clinker generated by surrounding uses.
- Hydrocarbons (TPHCWG) from engineering, carriage, and chemical works.

6.2. Pathways

The key environmental pathways and exposure routes by which potentially toxic substances can reach the identified potential receptors are considered to be:

6.2.1. Indirect

- Vertical and lateral migration of ground gas leading to accumulation in enclosed spaces.
- Vertical and lateral migration of organic and inorganic compounds through underlying geology.
- Windblown dust and fibres to adjacent receptors.
- Surface run off.

[1] HSE (1991). "Protection of Workers and the General Public During Development of Contaminated Land". London HMSO.

As the proposed end use includes residential apartments with communal soft landscaping area and no private gardens ingestion of home grown produce or soils attached home grown produce has not been considered as part of this assessment.

6.2.2. Direct

- Inhalation of ground gases.
- Inhalation of vapours.
- Inhalation of contaminated dust.
- Dermal contact.
- Direct contact with services (potable water).

6.3. Receptors

Receptors that may be affected by the potential contamination are considered to be:

6.3.1. Human

- End users of the site.
- Offsite land users.
- Maintenance workers once the development is complete.

6.3.2. Environmental

- Underlying Principal aquifer – bedrock geology.

Surface water is not considered a viable receptor due to the significant distance from site to the nearest feature (>250m).

Similarly, there are no environmentally sensitive sites within 500m of the site.

6.3.3. Structural

- Buildings.
- Potable water pipes.

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7. RISK ASSESSMENT

7.1. Risk Assessment Procedure

By considering the sources, pathways and receptors (pollutant linkages), an assessment of the human health/ environmental risks is made with reference to the significance and degree of the risk. This assessment is based on consideration of whether the contamination source can reach a receptor and hence whether it is of major or minor significance.

The risk assessment has been undertaken with reference to BS 10175:2011+A1:2013 and CIRIA Document C552: Contaminated Land Risk assessment 'A Guide to Good Practice'. The risk assessment has been carried out by assessing the severity of the potential consequence, considering both the potential magnitude of the hazard and the sensitivity of the target, based on the categories given below.

CATEGORY	EXAMPLES
High	Residential with gardens/Groundwater Source Protection Zone
Medium	Residential without gardens/Principal/Secondary Aquifer/sensitive watercourse
Low	Commercial and industrial use/Undifferentiated Aquifer
Very Low	Maintenance workers using appropriate PPE/non classified water body

Table 7.1: Sensitivity of Receptor

CATEGORY	EXAMPLES
Gross Impact	Heavily contaminated gasworks or industrial site, hazardous waste landfill. Major spillages into controlled waters. Explosions causing building collapse.
Moderate Impact	Leaks and spills from fuel infrastructure (e.g. petrol stations) (not into controlled waters), domestic waste landfills, demolished buildings. Leaching of contaminants into a major or minor aquifer.
Slight Impact	Minor leaks and spills from fuel infrastructure, 'inert' waste landfills, pollution of non-classified ground water.

Table 7.2: Magnitude of Impact

	SENSITIVITY OF RECEPTOR			
MAGNITUDE OF IMPACT	High	Medium	Low	Very Low
Gross Impact	Severe	Medium	Mild	Minor
Moderate Impact	Medium	Mild	Minor	Minor
Slight Impact	Mild	Minor	Minor	Minor

Table 7.3: Level of severity of potential hazard

The likelihood of an event (probability) takes into account both the presence of the hazard and target and the integrity of the pathway and has been assessed based on the categories given below.

CATEGORY	EXAMPLES
High likelihood	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollutant linkage, and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood	There is a pollutant linkage and circumstances are possible under which an event could occur. However it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur in the very long term.

Table 7.4: Classification of Probability

The potential severity of the risk and the probability of the risk occurring have been combined in accordance with the following matrix in order to give a level of risk for each potential hazard.

	SENSITIVITY OF RECEPTOR			
PROBABILITY OF RISK	Severe	Medium	Mild	Minor
High likelihood	Very High	High	Moderate	Low/Moderate
Likely	High	Moderate	Low/Moderate	Low
Low likelihood	Moderate	Low/Moderate	Low	Very Low
Unlikely	Low/Moderate	Low	Very Low	Very Low

Table 7.5: Level of risk for potential hazard definition

The assessment is discussed below in terms of plausible pollutant linkages. A complete assessment of the pollutant linkages is presented in Table 7.6.

A description of these risk classifications and likely action required are given in CIRIA 552 as:

Very high risk – High probability that severe harm could arise to a designated receptor from an identified hazard OR there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in substantial liability. Urgent investigation and remediation are likely to be required.

High risk – Harm is likely to arise to a designated receptor from an identified hazard. This risk, if realised, is likely to result in substantial liability. Urgent investigation is required, and remedial works may be necessary in the short term and are likely over the long term.

Moderate risk – It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation is normally required to clarify risks and to determine potential liability. Some remedial works may be required in the long term.

Low risk – It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.

Very low risk – It is a low possibility that harm could arise to a designated receptor. In the event of such harm being realised it is not likely to be severe.

7.1.1. Preliminary Conceptual Model

The below assessment has been compiled based on the current site status.

SOURCE	PATHWAY	RECEPTOR	SEVERITY	LIKELIHOOD	RISK LEVEL
Historical on-site use	Direct contact, ingestion, and inhalation of impacted soils/ groundwater.	Residential end users	Medium	Likely	Moderate
		Offsite receptors	Medium	Low Likelihood	Low / Moderate
	Windblown dust.	Maintenance workers	Minor	Low Likelihood	Very Low
	Vertical migration of contaminants through the underlying geology and/ or via overland flow.	Principal Aquifer – bedrock	Medium	Low Likelihood	Low / Moderate
Ground Gas associated with Made Ground	Migration of ground gas through the underlying geology. Inhalation of ground gas.	Residential end users	Severe	Low likelihood	Moderate
		Offsite receptors	Severe	Unlikely	Low / Moderate
		Maintenance workers	Severe	Unlikely	Low / Moderate
Historical site use	Deterioration of potable water supply pipes.	Potable water pipe	Medium	Likely	Moderate

Table 7.6: Preliminary Conceptual Model

8. CONCLUSIONS AND RECOMMENDATIONS

8.1. Contamination

Following the reconnaissance and a review of available records, it is considered that there is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA. The following contamination sources are considered to be potentially present:

- Heavy metals, PAHs and asbestos from the development and subsequent demolition of on-site structures from circa 1891-2000.
- Heavy metals (inc mercury), hydrocarbons (TPHCWG. BTEX, MBTE) from hat & Cap, engineering and carriage works as well as the onsite tank.

8.1.1. Risk Ratings

At present, risk levels are considered to be Moderate as a worst case.

A Moderate risk is defined as 'It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.

8.2. Geotechnical

A review of key geotechnical aspects is provided below.

8.2.1. Expected Ground Conditions

The desk-based information reviewed within this report indicates that Made Ground/Infilled Ground is likely to be present over superficial deposits comprising Till, which are in turn underlain the Chester Pebble Beds Formation.

8.2.2. Foundations

With reference to the published geology, historical borehole logs and the proposed development it is considered likely that a piled foundation solution will be most suitable for the proposed development.

8.2.3. Drainage

Based on the expected geology traditional soakaways are unlikely to be viable. Soakage testing in line with BRE356 should be carried out to confirm this.

8.2.4. Floor Slabs

Given the suspected presence of Made Ground and cohesive strata at shallow depth it is likely that a suspended floor slab will be required.

8.2.5. Other Considerations

Foundations and build material of previous buildings and structures could be present. This is likely to affect ground engineering and foundation design and construction. These features should be investigated as part of a geotechnical ground investigation.

Residual structures present on site will need to be demolished to enable the proposed development to take place. Foundations associated with them should be grubbed out.

8.2.6. Earthworks / Site Levels

The site is generally flat and located at approximately 41m AOD.

Care however should be taken when selecting the ground floor level of the proposed building to ensure that excessive earthworks are not required nor retaining situations created. It may be possible to use topsoil and sub-soil generated during earthworks, as part of the clean cover layer required within new soft landscaped areas, subject to testing.

8.2.7. Material Re-use

Subject to appropriate permitting and testing, natural arisings from the site could be used as part of a clean cover system, subject to the appropriate assessment and testing.

8.3. Unexploded Ordnance

The site is considered to be in an area at moderate risk from UXO. A Pre-Desk Study Assessment has been carried out by Zetica, the results of which indicated that a detailed desk study should be commissioned.

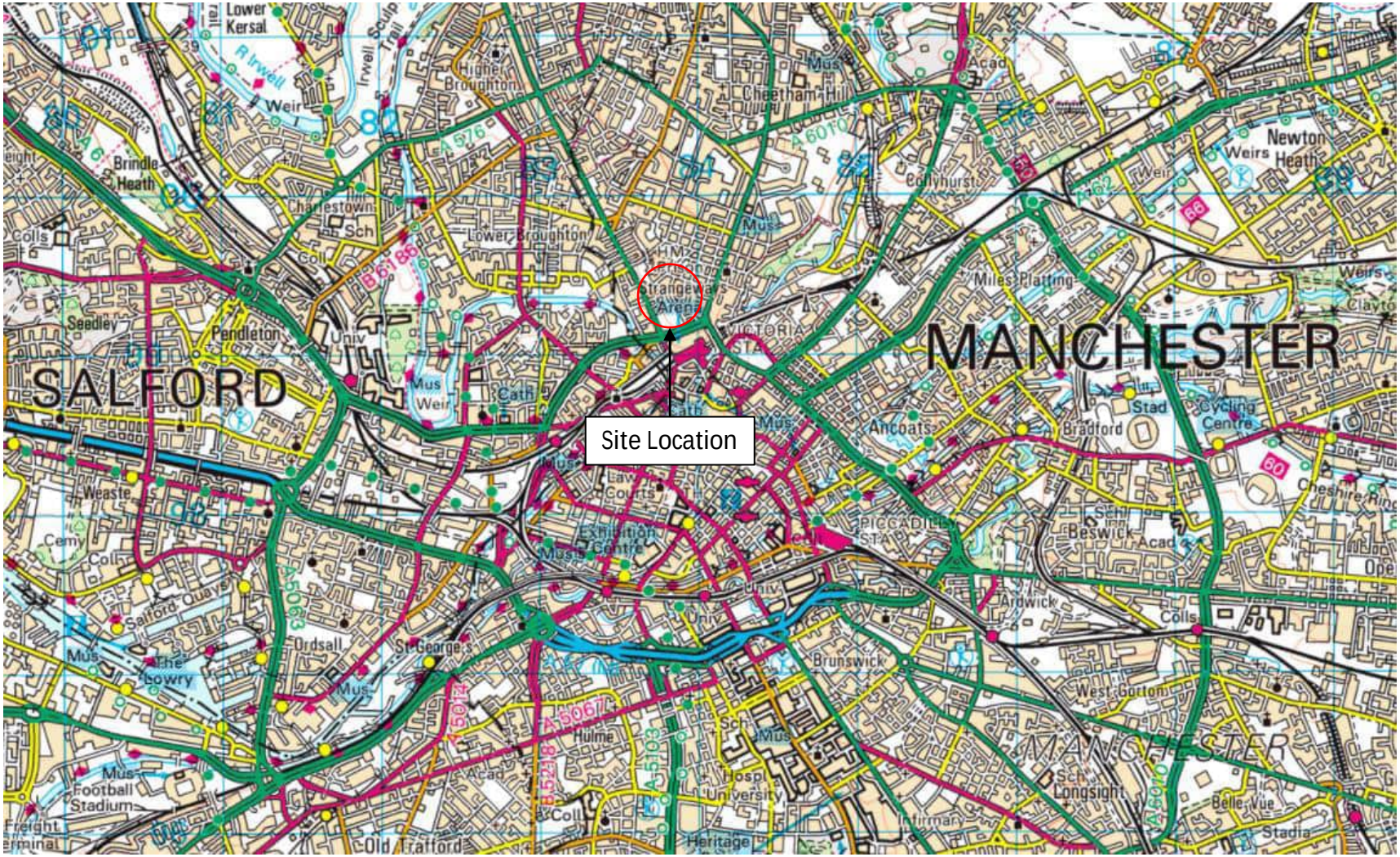
8.4. Further Work

Based on the risk rating in 8.1.1, a contamination specific ground investigation is considered to be necessary which should be undertaken in conjunction with a geotechnical ground investigation in order to determine the nature of Made Ground beneath the site and the potential ground gas risk that may be present.

A detailed Phase 2 Ground investigation should be carried out inline with current guidance including BS10175: Investigation of Potentially Contaminated Sites – Code of Practice, BS5930: Code of Practice for Ground Investigations, CIRIA C665: Assessing Risks Posed by Hazardous Gases to Buildings, RB17: A Pragmatic Approach to Ground Gas Risk Assessment and BS8485: Code of Practice for the Design of Protection Measures for Methane and Carbon Dioxide Ground Gases.

The scope of the investigation work should be agreed with the local authority prior to commencement.

FIGURE 1 – SITE LOCATION PLAN



Project:	Robert Street, Manchester	Title:	Site Location Plan
Job Number:	5022556	Client:	Zerum Consult Limited
Drawing:	5022556-Fig1	Revision:	-
Drawn:	SD	Date:	March 2024
Checked by:	BS	Scale:	NTS

Ridge and Partners LLP
TEL: 01618339579
www.ridge.co.uk

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100 Embankment,
Cathedral Approach,
Manchester
M3 7FB

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FIGURE 2 –SITE BOUNDARY PLAN



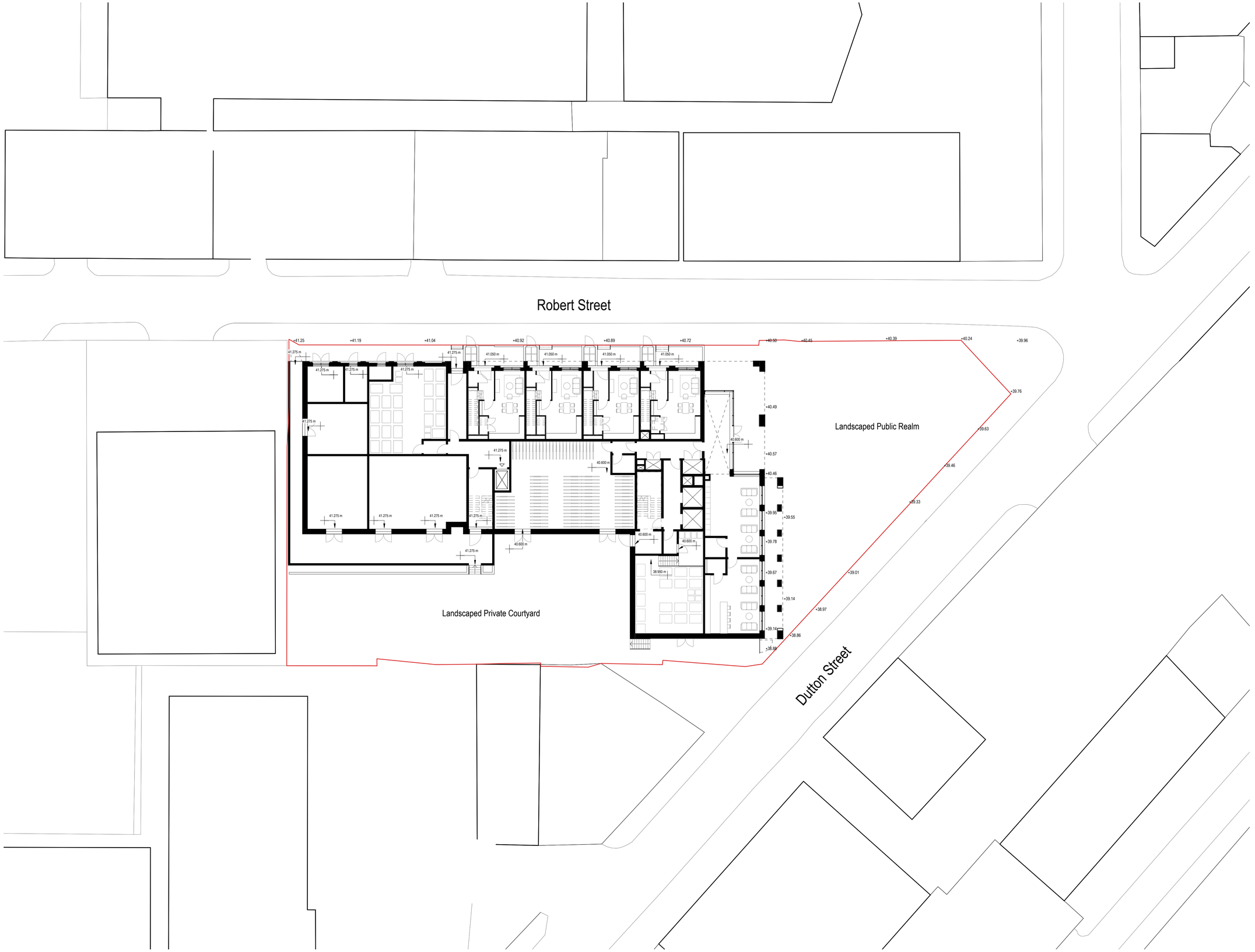
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Job Number:	5019699	Client:	Zerum Consult Limited
Drawing:	5019699-Fig1	Revision:	-
Drawn:	SD	Date:	March 2024
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FIGURE 3 –DEVELOPMENT PLANS



Proposed Site Plan

1 : 200

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0m 25m 50 m

General Notes

Use figured dimensions only. Do not scale off this drawing. All dimensions must be set out and checked by the contractor on site prior to commencement of construction. Any variations between drawings and site must be reported to TGA before work proceeds.

Drawings to be read in conjunction with Architectural Specification, Structural Engineer's Drawings and Specifications, Mechanical & Electrical Engineer's Drawings and Specifications, all Supplemental Information, including but not limited to; Detailed Fire Strategy, Acoustic Report, Thermal Report & Overheating Report.

No portion of the Works to commence without acceptance of the required submittals by the Employer.

Main Contractor to submit relevant documents to building regulation and legislation approval authorities as required to comply with the Specification.

Rev	Description	Date	By
P01	Co-ordination Issue	22.01.24	TGA

Title
Proposed Site Plan

Drawing No.
1181-TGA-XX-XX-DR-A-02101

Revision
P01

Status
For Information

Scale
1 : 200@A1

Project
Robert Street

Client
RAA Capital

TIM GROOM ARCHITECTS

Eastgate, 2 Castle Street, Manchester, M3 4LZ 0161 870 1152

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APPENDIX 1 – REPORT CONDITIONS

Report Conditions

This report is produced solely for the benefit of Rani Investments Limited and no liability is accepted for any reliance placed on it by any other party unless specifically agreed in writing otherwise.

This report refers, within the limitations stated, to the condition of the site at the time of the inspections. No warranty is given as to the possibility of future changes in the condition of the Site.

This report is based on a visual Site inspection, study of readily accessible referenced historical records, information supplied by those parties noted in the text and preliminary discussions with local and Statutory Authorities. Some of the opinions are based on unconfirmed data and information and are presented in good faith without exhaustive clarification. Where ground contamination is suspected but no physical Site test results are available to confirm this, the report must be regarded as initial advice only, and further assessment should be undertaken prior to detailed activities related to the Site. Where test results undertaken by others have been made available these can only be regarded as a limited sample. The possibility of the presence of contaminants, not revealed by this research cannot be discounted.

Whilst confident in the findings detailed within this report because there are no exact UK definitions of these matters, being subject to risk analysis, we are unable to give categoric assurances that they will be accepted by Authorities or Funds etc. without question, as such bodies may have unpublished, often more stringent objectives. This report is prepared for the proposed uses stated in the report and should not be used in a different context without reference to Ridge and Partners LLP. In time improved practices or amended legislation may necessitate a re-assessment.

The report is necessarily limited to those aspects of land contamination specifically reported on and no liability is accepted for any other aspect especially concerning gradual or sudden pollution incidents that may occur. The opinions expressed cannot be absolute due to the limitations of time and resources within the context of the agreed brief and the possibility of unrecorded previous use and abuse of the Site and adjacent Sites. The report concentrates on the Site as defined in the report and provides an opinion on surrounding Sites. If migrating pollution or contamination (past or present) exists, this can only practically be better assessed following extensive on and off Site intrusive investigations and monitoring.

APPENDIX 2 – LEGAL CONTEXT AND METHODOLOGY

Legal Context

Part IIA of the Environmental Protection Act 1990 (inserted by Section 57 of the Environment Act 1995) provides a regime for the control of specific threats to health or the environment from land contamination. In accordance with the Act and the statutory guidance document 'The Contaminated Land (England) Regulations 2000', the definition of contaminated land is intended to embody the concept of risk assessment. Within the meaning of the Act, land is only "contaminated land" where it appears to the Regulatory Authority, by reason of substances within or under the land, that:

"Significant harm is being caused, or there is a significant possibility of such harm being caused; or Pollution of controlled waters is being, or is likely to be, caused."

Inherent in this definition is the requirement for contamination risk assessment to be undertaken on a site-specific basis, as the potential for harm is determined by the Site's end use and its specific environmental setting. The guidance defines "risk" as the combination of:

- The probability, or frequency, of occurrence of a defined hazard (for example, exposure of a property to a substance with the potential to cause harm); and
- The magnitude (including the seriousness) of the consequences.

While Part IIA of the Environmental Protection Act provides a risk-based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health or the environment, the regime does not take into account future uses. New developments are therefore controlled by the planning regime, with reference to the National Planning Policy Framework (NPPF, 2023), rather than directly by Part IIA of the Environmental Protection Act.

The NPPF is based on the principal that the site should be suitable for its new use, taking account of ground conditions, including from natural hazards or former activities and states that "Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rests with the developer and/or landowner". The NPPF also links the planning and Part IIA regimes by stating that "after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part IIA of the Environmental Protection Act 1990". Key components of the Part IIA regime, such as the definition of Contaminated Land and the associated risk-based assessment approach, are therefore considered to also be applicable to the planning regime.

Methodology

This report has been prepared in accordance with published Environment Agency guidance – Land Contamination Risk Management (LCRM, 2020), which supersedes CLR 11. CLR 11 adopted and refined the well-recognised methodology and terminology that has been used in contaminated land risk assessment for a number of years.

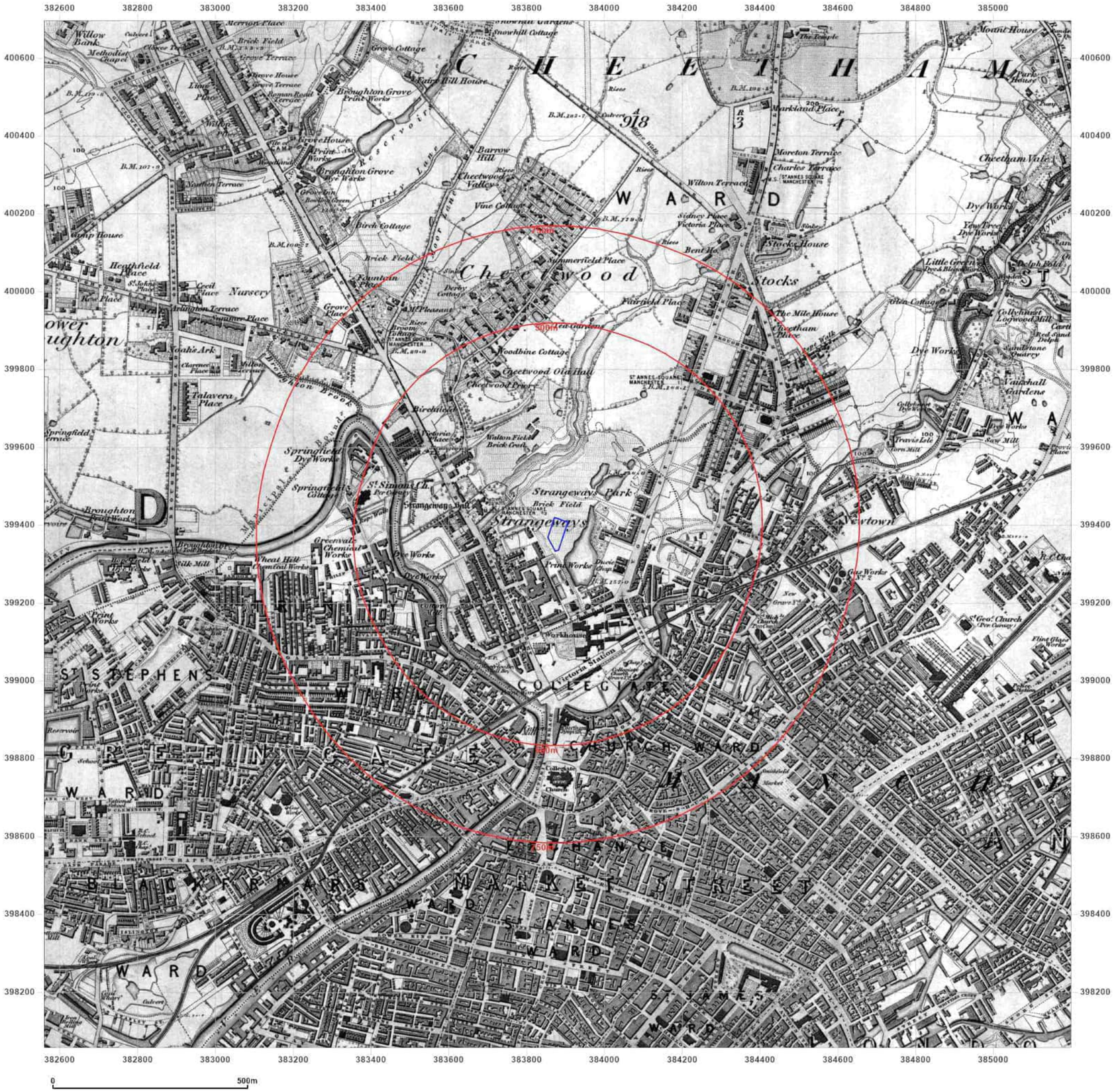
In the context of land contamination, there are three essential elements to any risk:

A contaminant source – a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters.
A receptor – in general terms, something that could be adversely affected by a contaminant, such as people, an ecological system, property, or a water body.
A pathway – a route or means by which a receptor can be exposed to, or affected by, a contaminant.

Each of these elements can exist independently, but they create a risk only where they are linked together, so that a particular contaminant affects a particular receptor through a particular pathway. This kind of linked combination of contaminant–pathway–receptor is described as a pollutant linkage.

An important thread throughout the overall process of risk assessment is the need to formulate and develop a conceptual model for the site, which supports the identification and assessment of pollutant linkages. A conceptual model represents the characteristics of the site in diagrammatic or written form that shows the possible relationships between contaminants, pathways and receptors (pollutant linkages).

APPENDIX 3 – HISTORICAL MAPS



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Site Details:

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1EY

Client Ref: Robert Street PO - 627270
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Grid Ref: 383879, 399376

Map Name: County Series

Map date: **1848**

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Edition 1848
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Levelled N/A

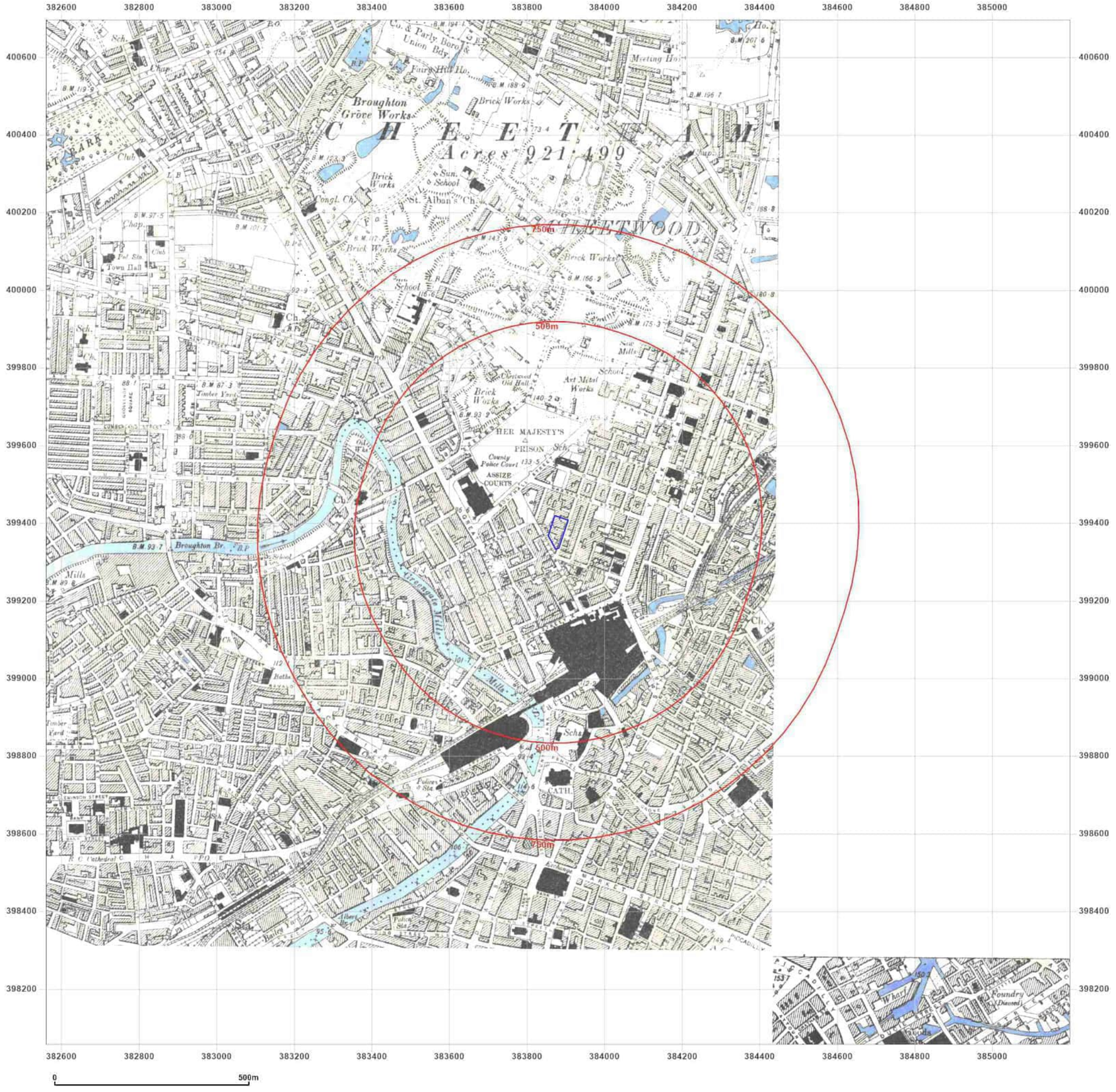
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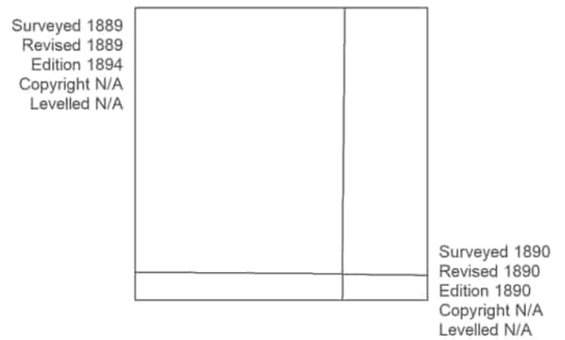
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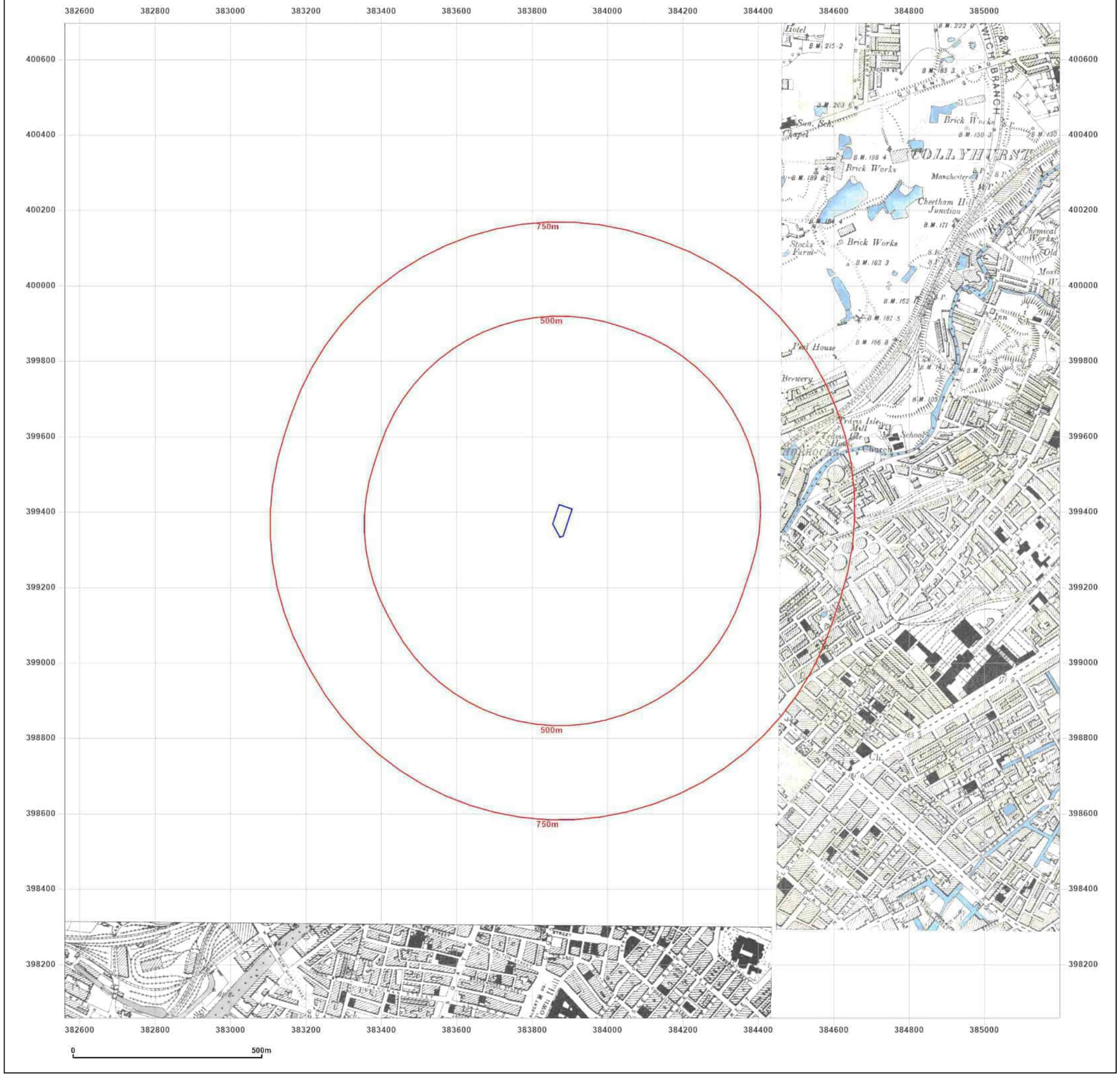
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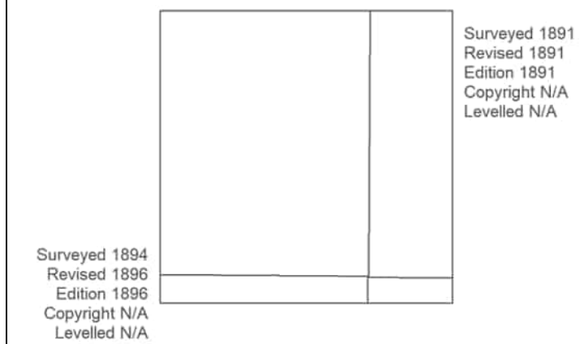
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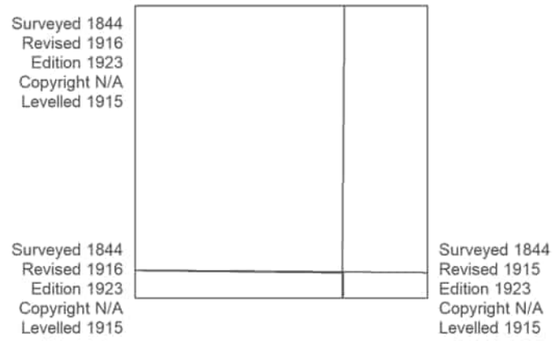
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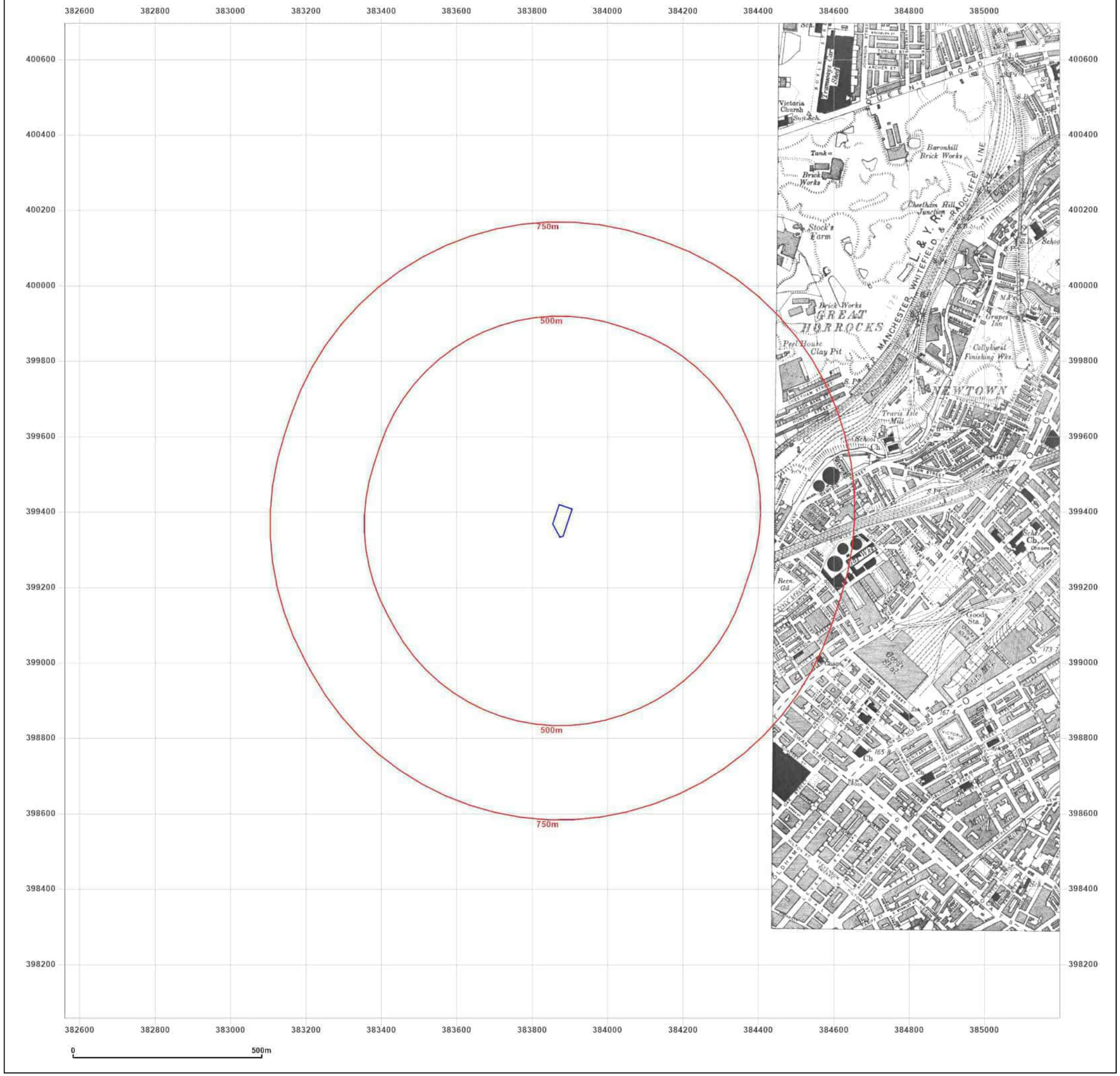
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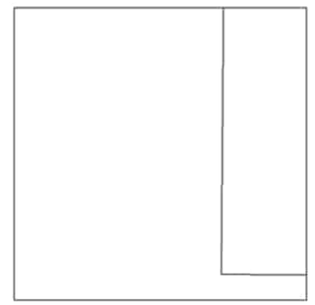
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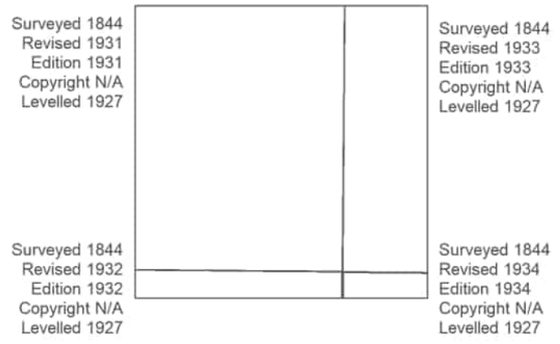
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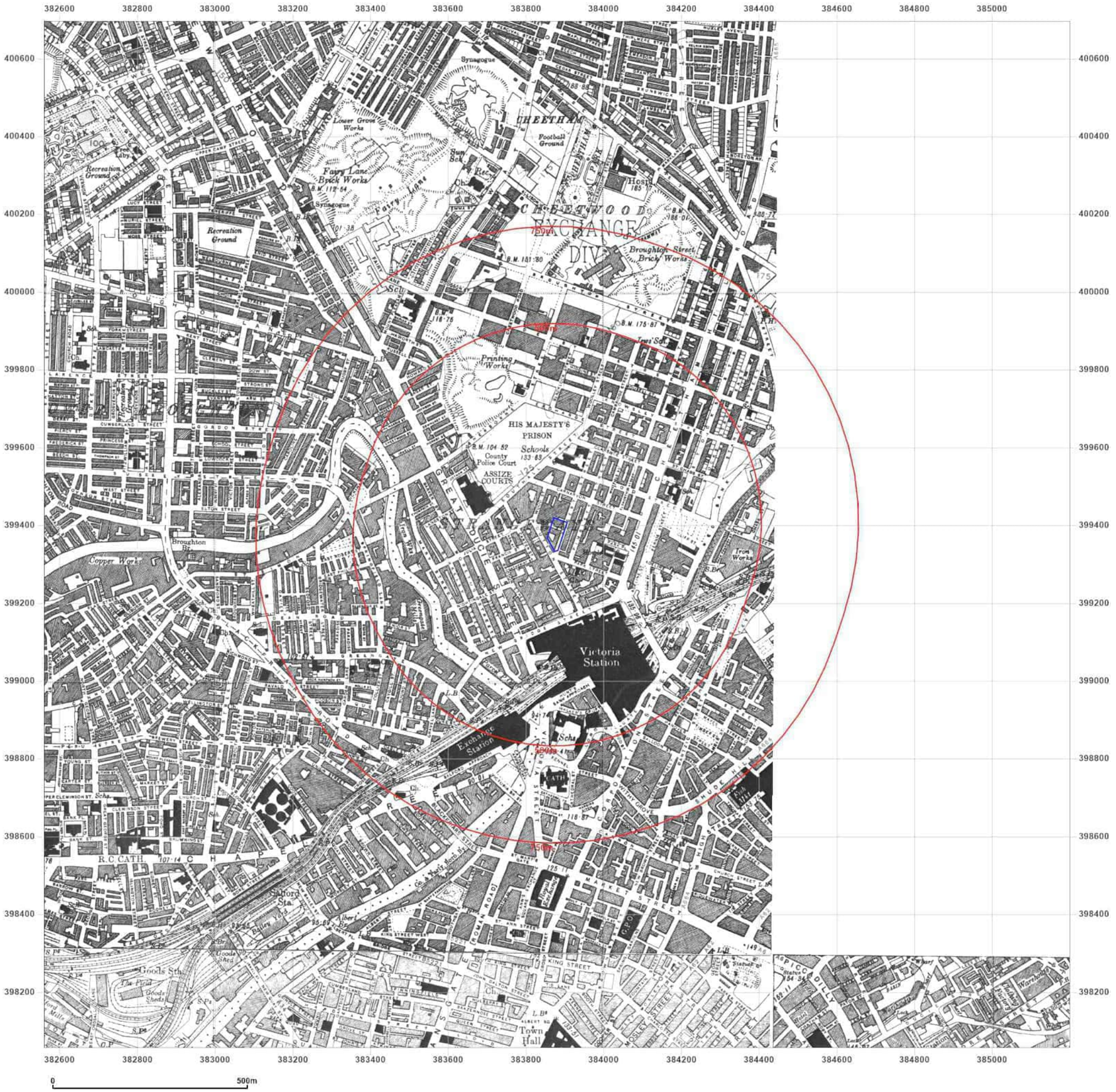
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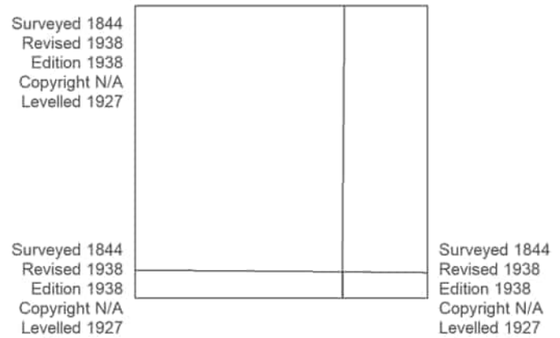
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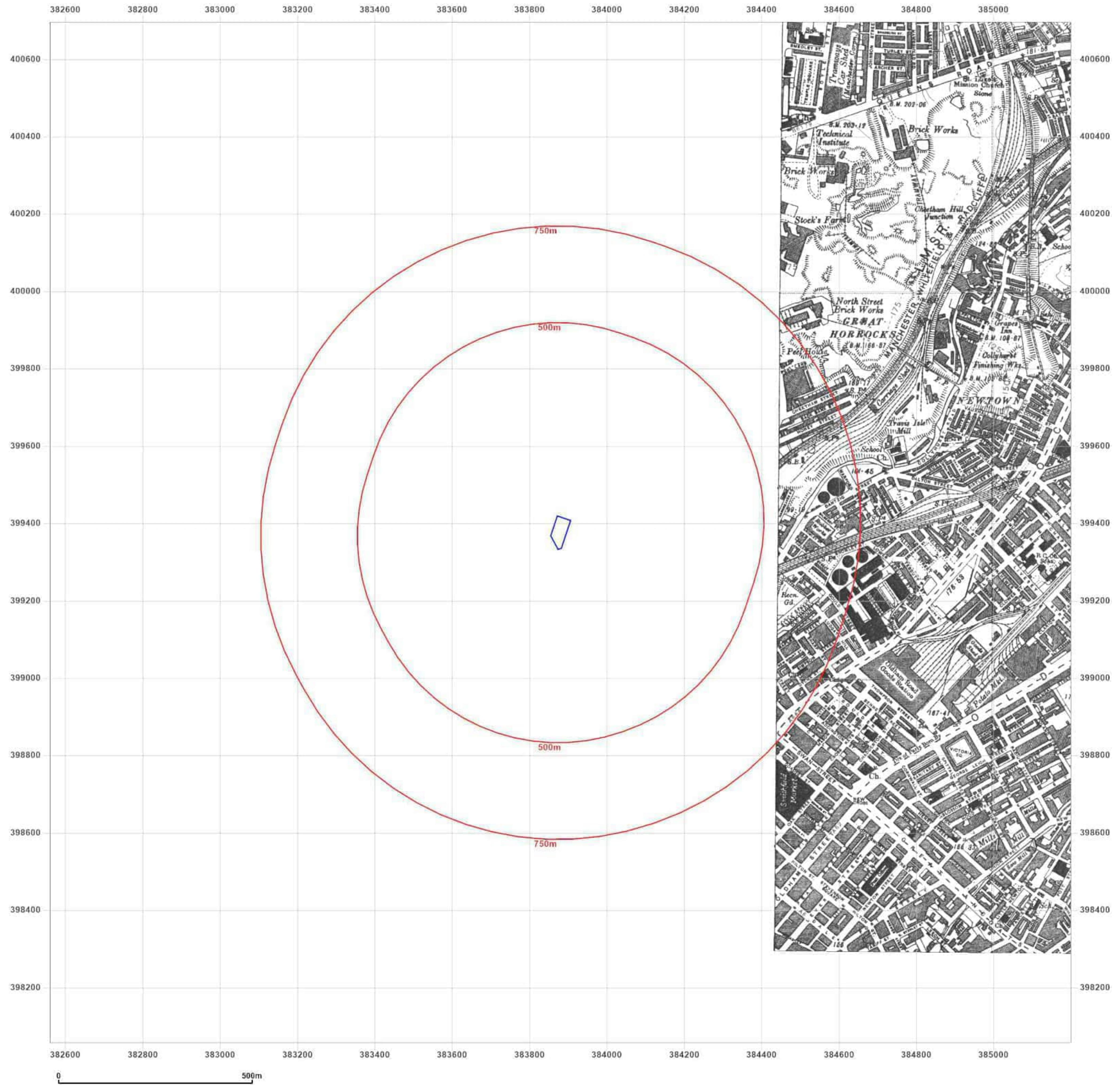
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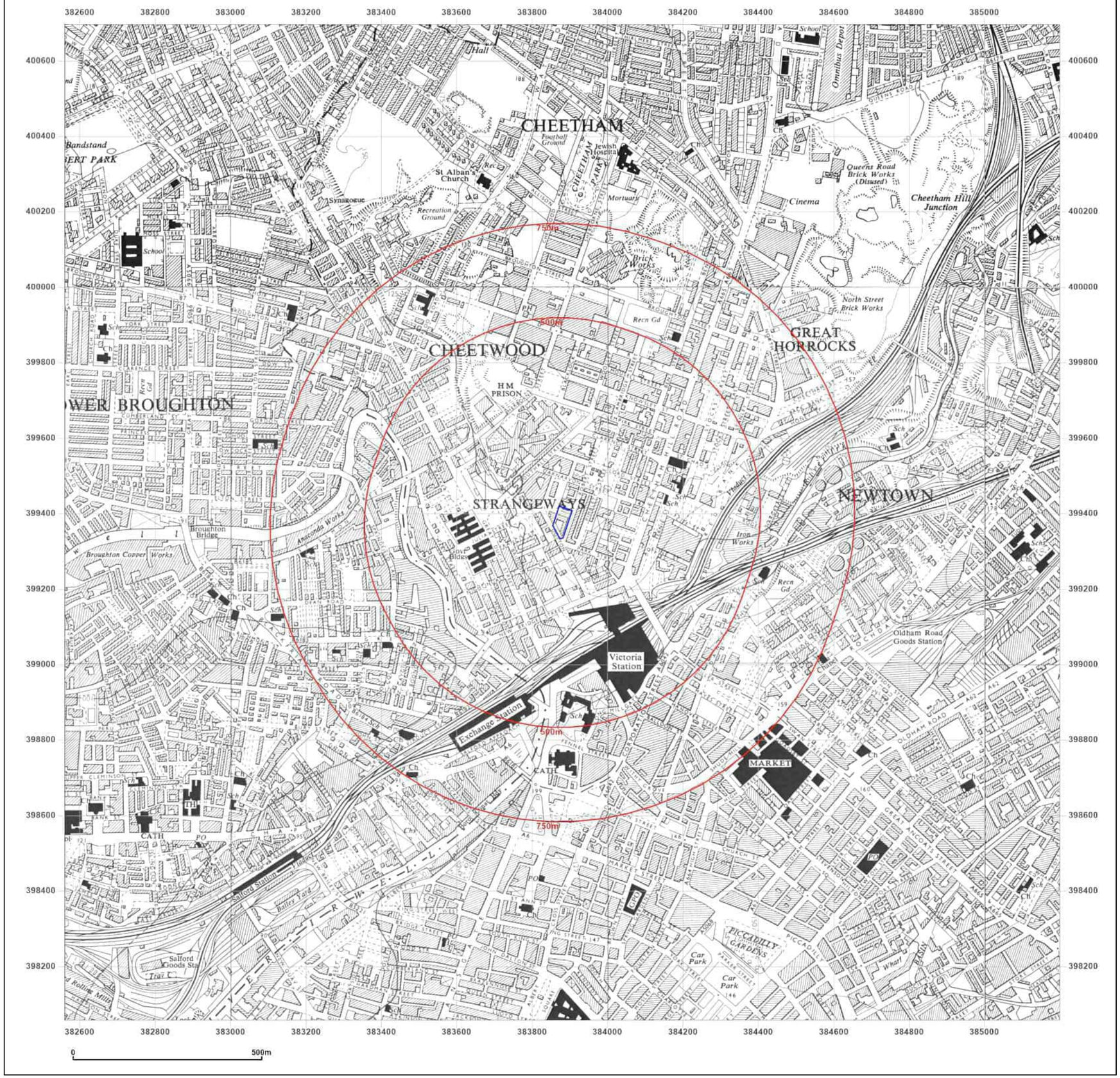
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Revised 1956
Edition N/A
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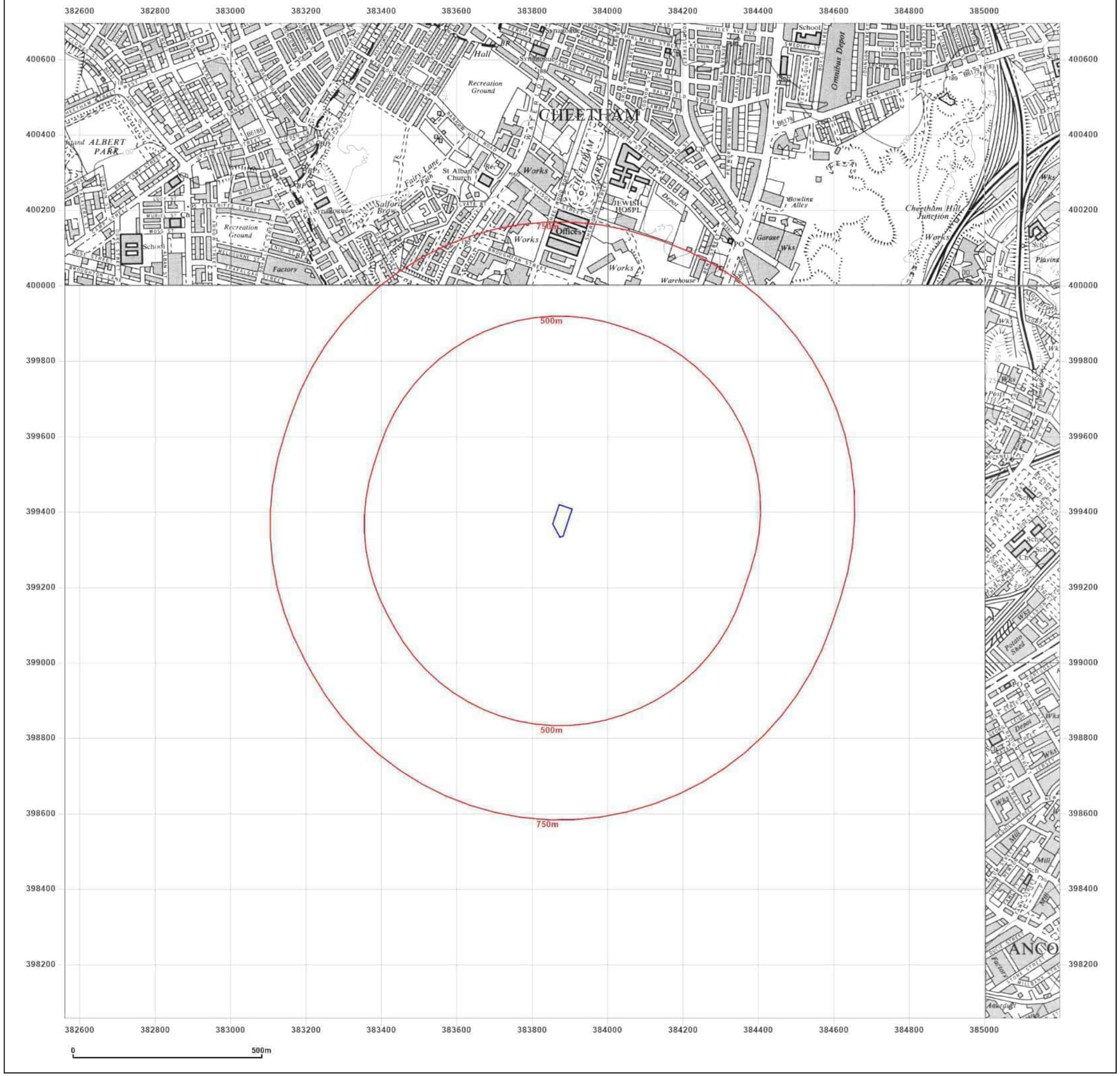
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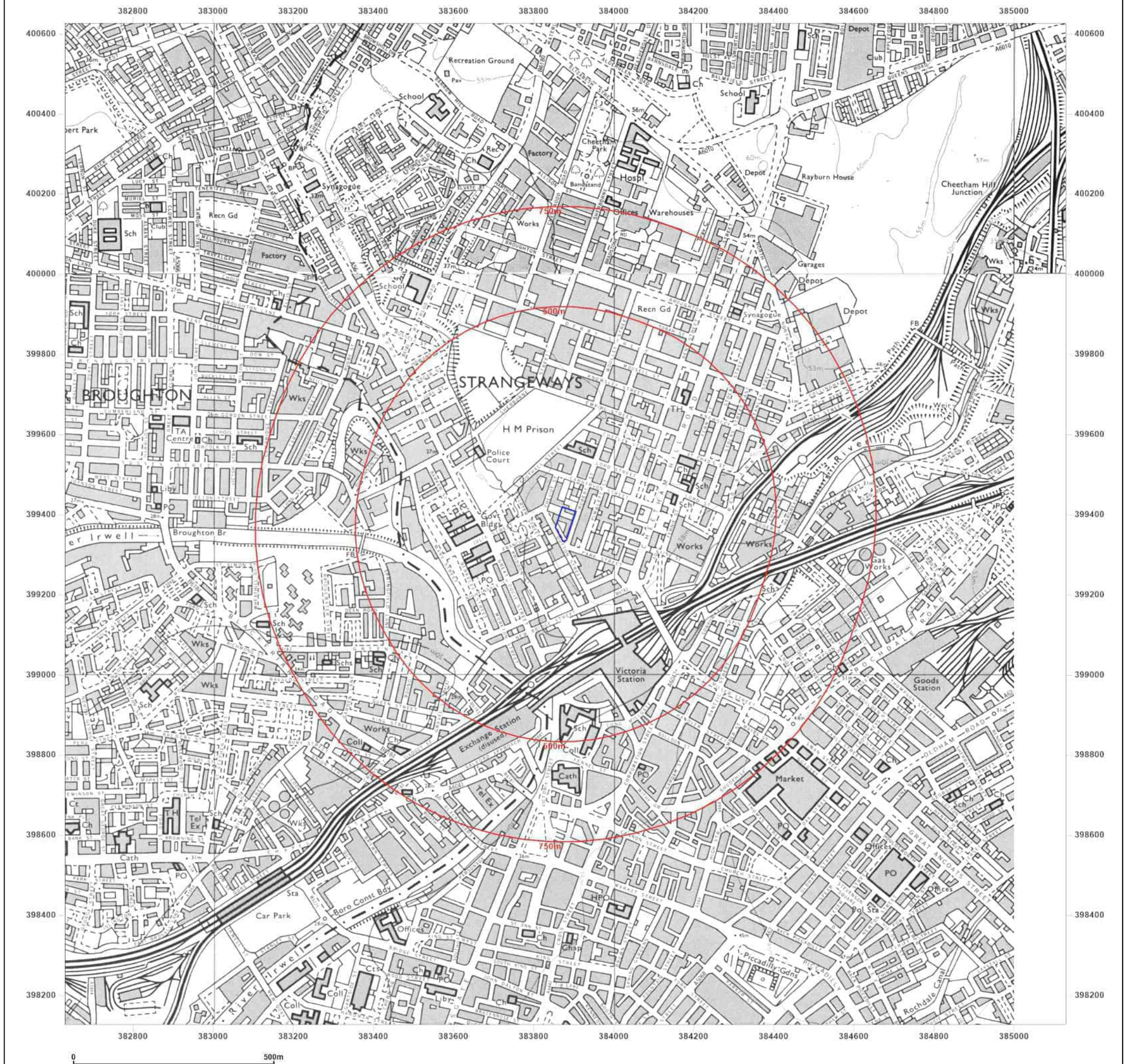
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Groundsure INSIGHTS

Site Details:

10, ROBERT STREET,
CHEETHAM, MANCHESTER, M3 1EY

Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

Map Name: National Grid

Map date: **1972-1977**

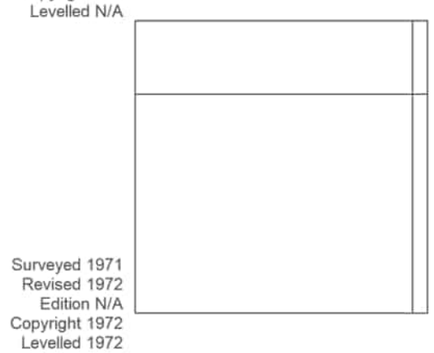
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Revised 1977
Edition N/A
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Levelled N/A

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



Surveyed 1971
Revised 1972
Edition N/A
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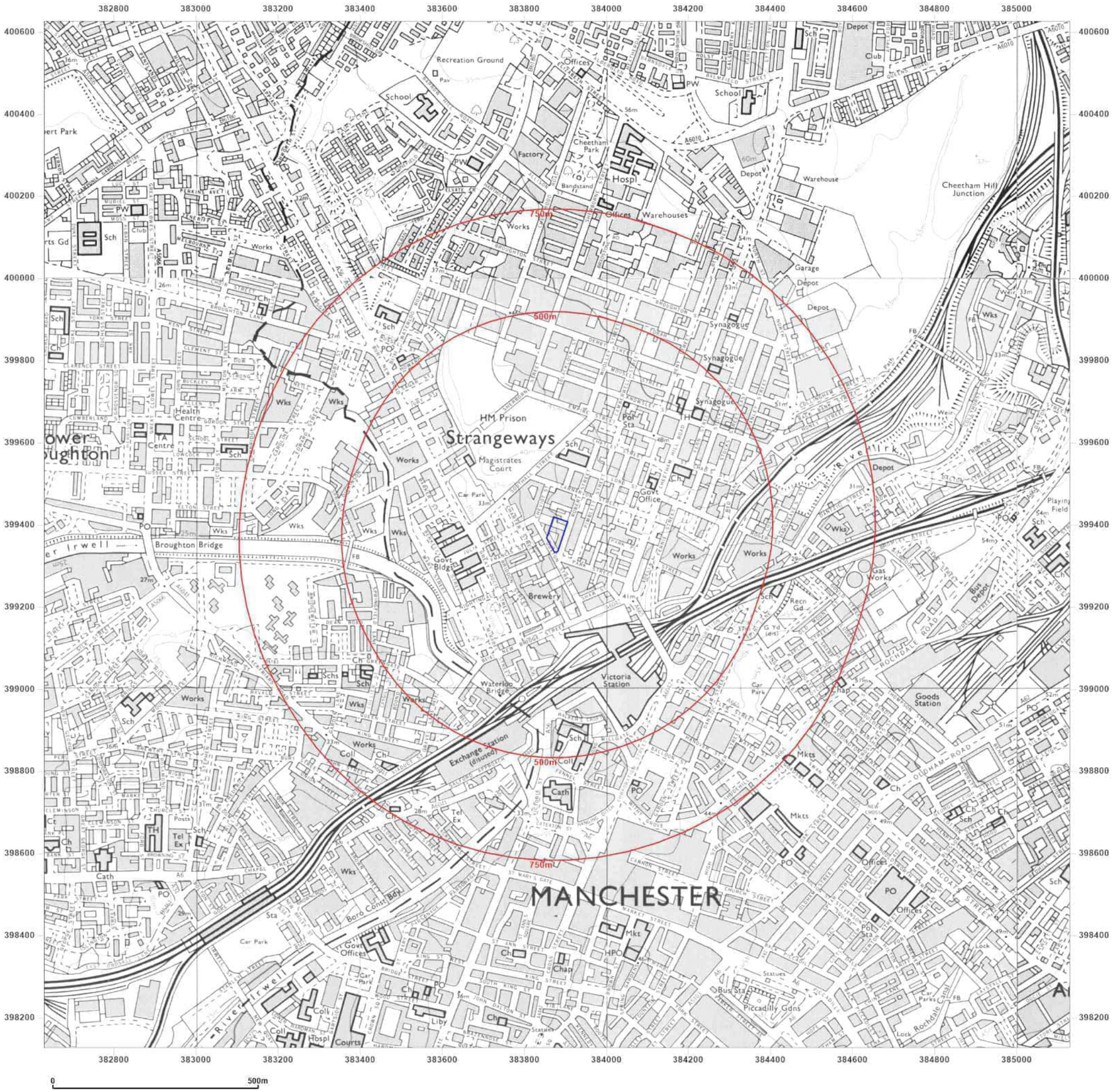
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Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

Map Name: National Grid

Map date: **1980-1985**

Scale: 1:10,000

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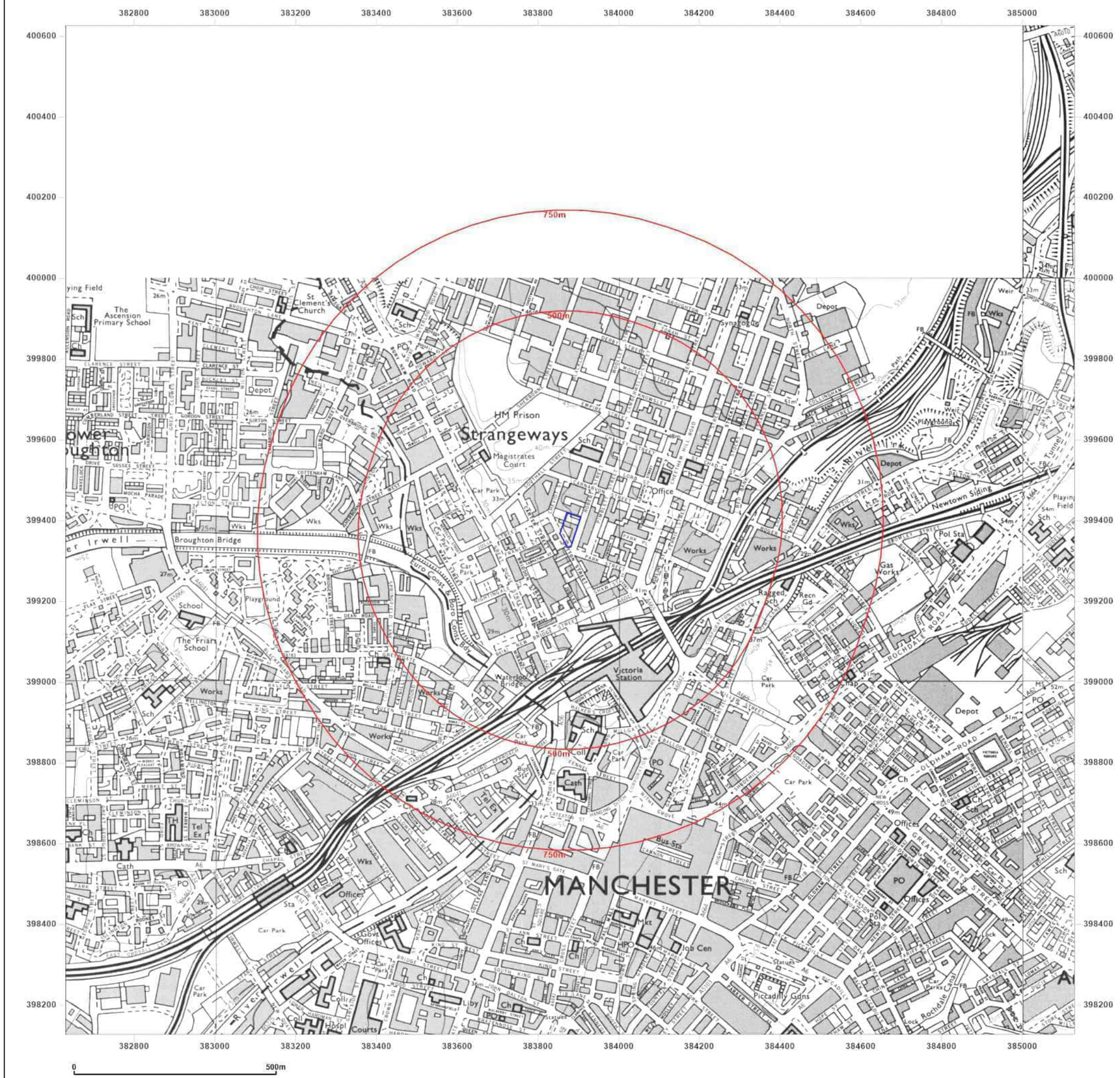
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1EY

Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

Map Name: National Grid

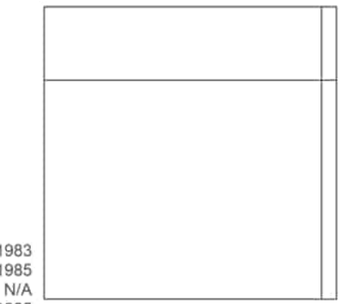
Map date: **1985-1988**

Scale: 1:10,000

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Revised 1985
Edition N/A
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Surveyed 1985
Revised 1985
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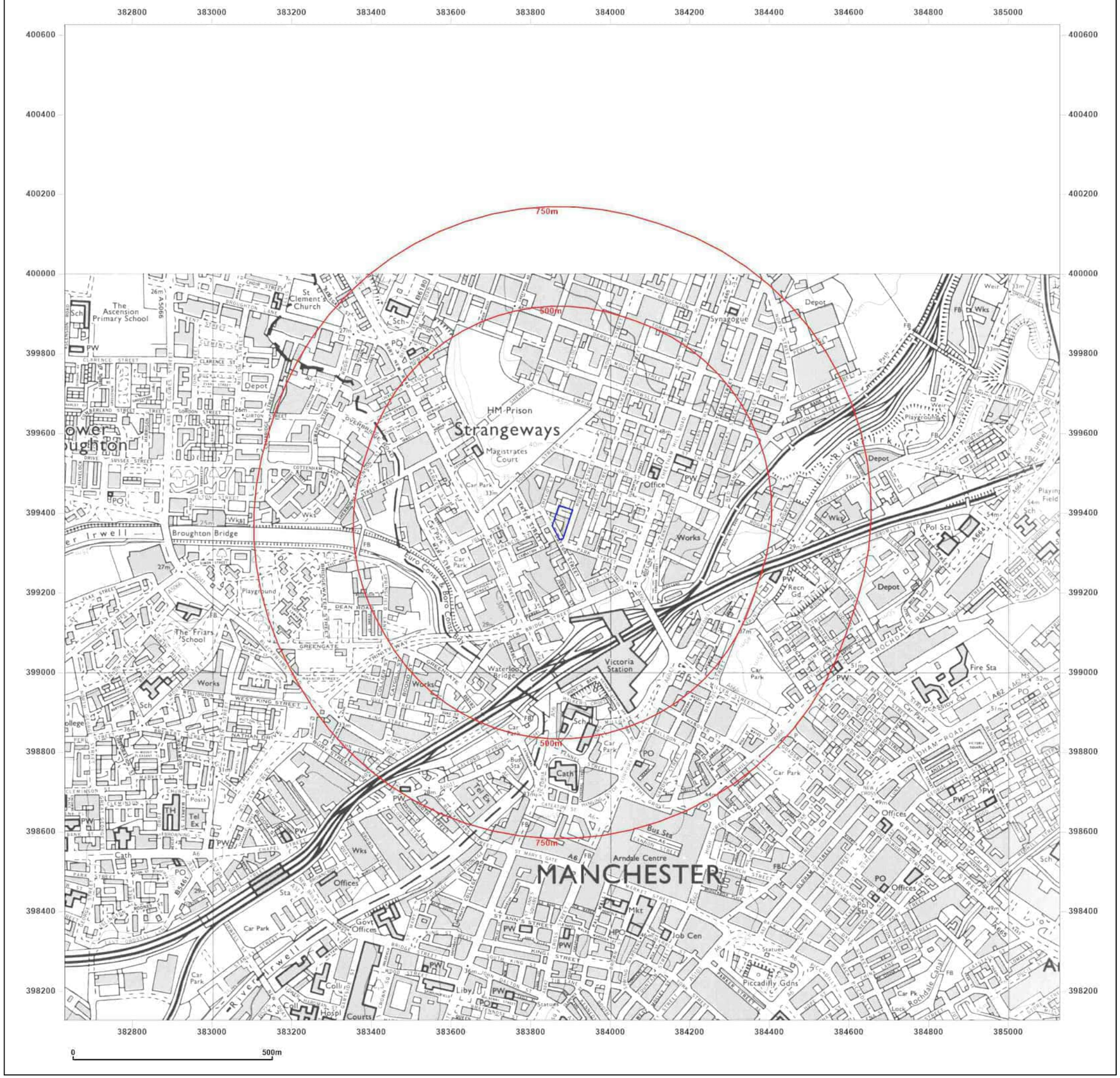
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Site Details:

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1EY

Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

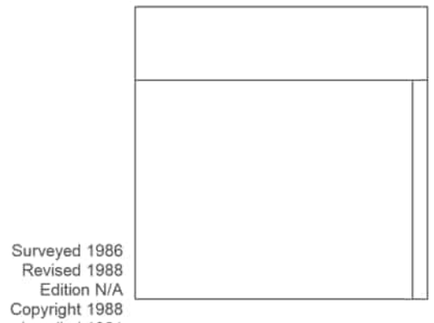
Map Name: National Grid

Map date: **1988-1991**

Scale: 1:10,000

Printed at: 1:10,000

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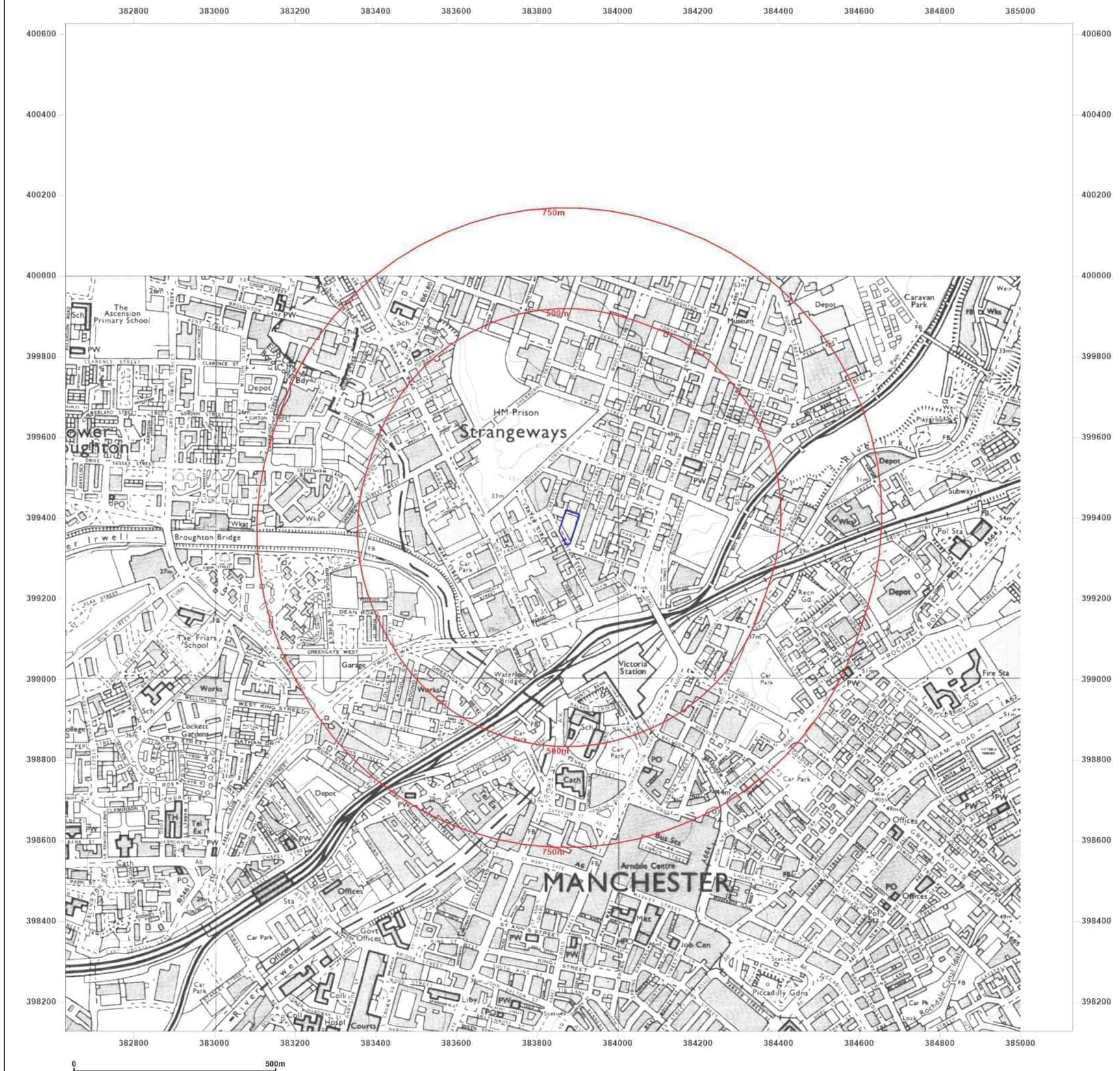
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Groundsure INSIGHTS

Site Details:

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1EY

Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

Map Name: National Grid

Map date: **1994**

Scale: 1:10,000

Printed at: 1:10,000

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1EY

Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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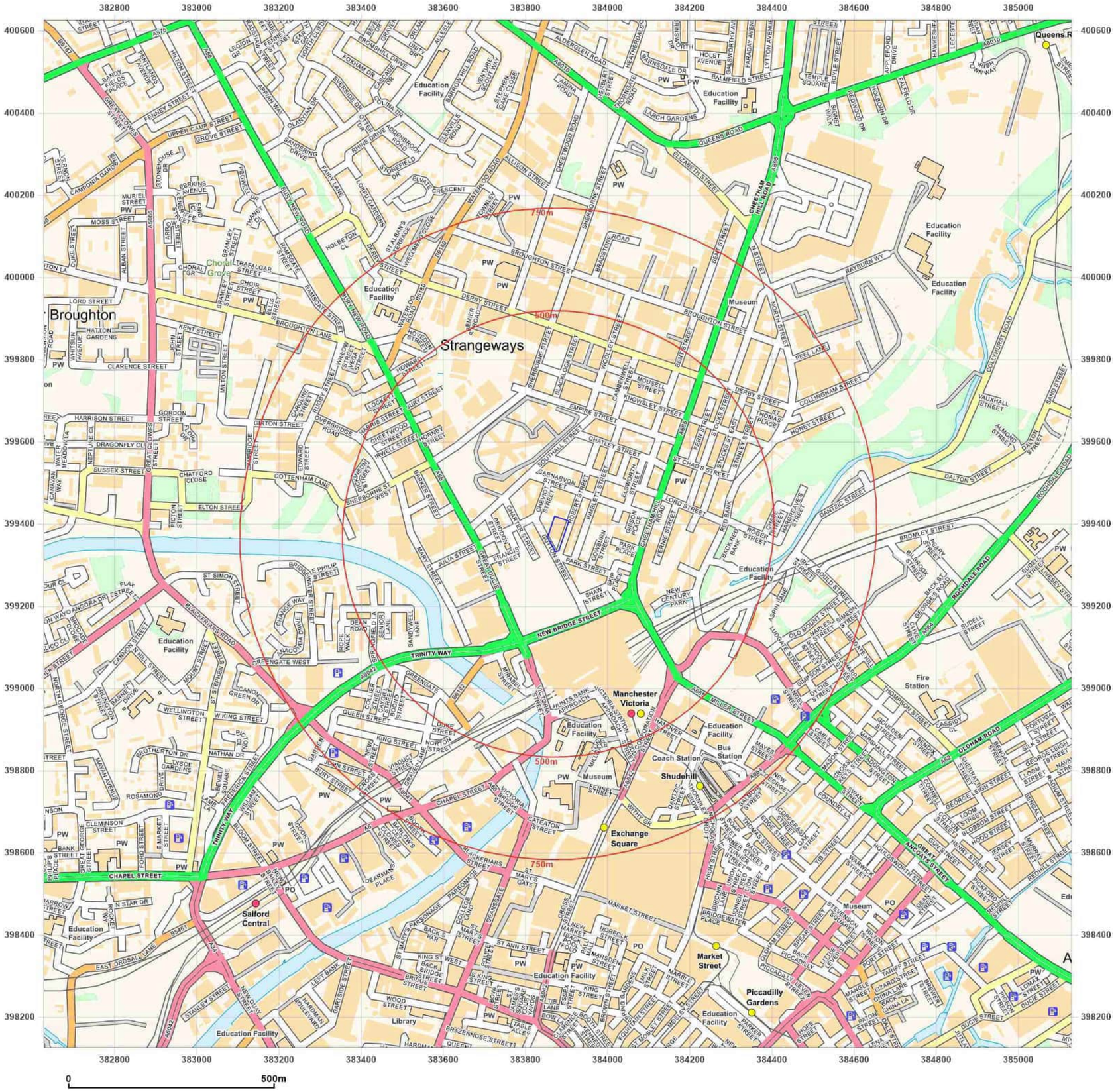
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Groundsure INSIGHTS

Site Details:

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CHEETHAM, MANCHESTER, M3
1EY

Client Ref: Robert Street PO - 627270
Report Ref: GS-XSB-Q84-ND3-5ZL
Grid Ref: 383879, 399376

Map Name: National Grid
Map date: **2024**
Scale: 1:10,000
Printed at: 1:10,000

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APPENDIX 4 – GROUNDSURE REPORT

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

10, ROBERT STREET, CHEETHAM, MANCHESTER, M3 1EY

Order Details

Date: 05/03/2024

Your ref: Robert Street PO - 627270

Our Ref: GS-KYK-IL9-K6K-G2U

Site Details

Location: 383878 399380

Area: 0.25 ha

Authority: Manchester City Council ↗



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Summary of findings p. 2 >

OS MasterMap site plan p.14 >

Aerial image p. 9 >

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Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	1	2	33	107	-
21 >	1.2 >	Historical tanks >	0	3	12	49	-
23 >	1.3 >	Historical energy features >	0	0	4	33	-
25	1.4	Historical petrol stations	0	0	0	0	-
25 >	1.5 >	Historical garages >	0	1	17	7	-
27	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
28 >	2.1 >	Historical industrial land uses >	1	2	43	140	-
35 >	2.2 >	Historical tanks >	0	4	18	80	-
39 >	2.3 >	Historical energy features >	0	0	14	88	-
43	2.4	Historical petrol stations	0	0	0	0	-
43 >	2.5 >	Historical garages >	0	2	22	11	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
46	3.1	Active or recent landfill	0	0	0	0	-
46	3.2	Historical landfill (BGS records)	0	0	0	0	-
47	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
47 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
47 >	3.5 >	Historical waste sites >	0	0	5	2	-
48 >	3.6 >	Licensed waste sites >	0	0	0	2	-
49 >	3.7 >	Waste exemptions >	0	1	17	15	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
53 >	4.1 >	Recent industrial land uses >	0	5	32	-	-
56 >	4.2 >	Current or recent petrol stations >	0	0	2	1	-
56	4.3	Electricity cables	0	0	0	0	-
56	4.4	Gas pipelines	0	0	0	0	-
56	4.5	Sites determined as Contaminated Land	0	0	0	0	-

57	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
57	4.7	Regulated explosive sites	0	0	0	0	-
57	4.8	Hazardous substance storage/usage	0	0	0	0	-
57	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
57	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
58 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	3	3	-
58	4.12	Radioactive Substance Authorisations	0	0	0	0	-
59 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	1	55	-
67	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
67	4.15	Pollutant release to public sewer	0	0	0	0	-
67	4.16	List 1 Dangerous Substances	0	0	0	0	-
67	4.17	List 2 Dangerous Substances	0	0	0	0	-
68 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	0	9	-
69	4.19	Pollution inventory substances	0	0	0	0	-
69	4.20	Pollution inventory waste transfers	0	0	0	0	-
69	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
70 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
72 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
73 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
74	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
74	5.5	Groundwater vulnerability- local information	None (within 0m)				
75 >	**5.6 >**	**Groundwater abstractions >**	0	0	18	7	18
86	5.7	Surface water abstractions	0	0	0	0	0
86 >	**5.8 >**	**Potable abstractions >**	0	0	9	1	0
89	5.9	Source Protection Zones	0	0	0	0	-
89	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
90	6.1	Water Network (OS MasterMap)	0	0	0	-	-

90	6.2	Surface water features	0	0	0	-	-
91 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
91 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
91 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	7.1 >	Risk of flooding from rivers and the sea >	Low (within 50m)				
94 >	7.2 >	Historical Flood Events >	0	0	2	-	-
94	7.3	Flood Defences	0	0	0	-	-
94	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
95	7.5	Flood Storage Areas	0	0	0	-	-
96 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
97	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
98	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
99 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
100	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
100	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
100	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
100	10.4	Special Protection Areas (SPA)	0	0	0	0	0
101	10.5	National Nature Reserves (NNR)	0	0	0	0	0
101	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
101	10.7	Designated Ancient Woodland	0	0	0	0	0
101	10.8	Biosphere Reserves	0	0	0	0	0
102	10.9	Forest Parks	0	0	0	0	0
102	10.10	Marine Conservation Zones	0	0	0	0	0
102	10.11	Green Belt	0	0	0	0	0
102	10.12	Proposed Ramsar sites	0	0	0	0	0

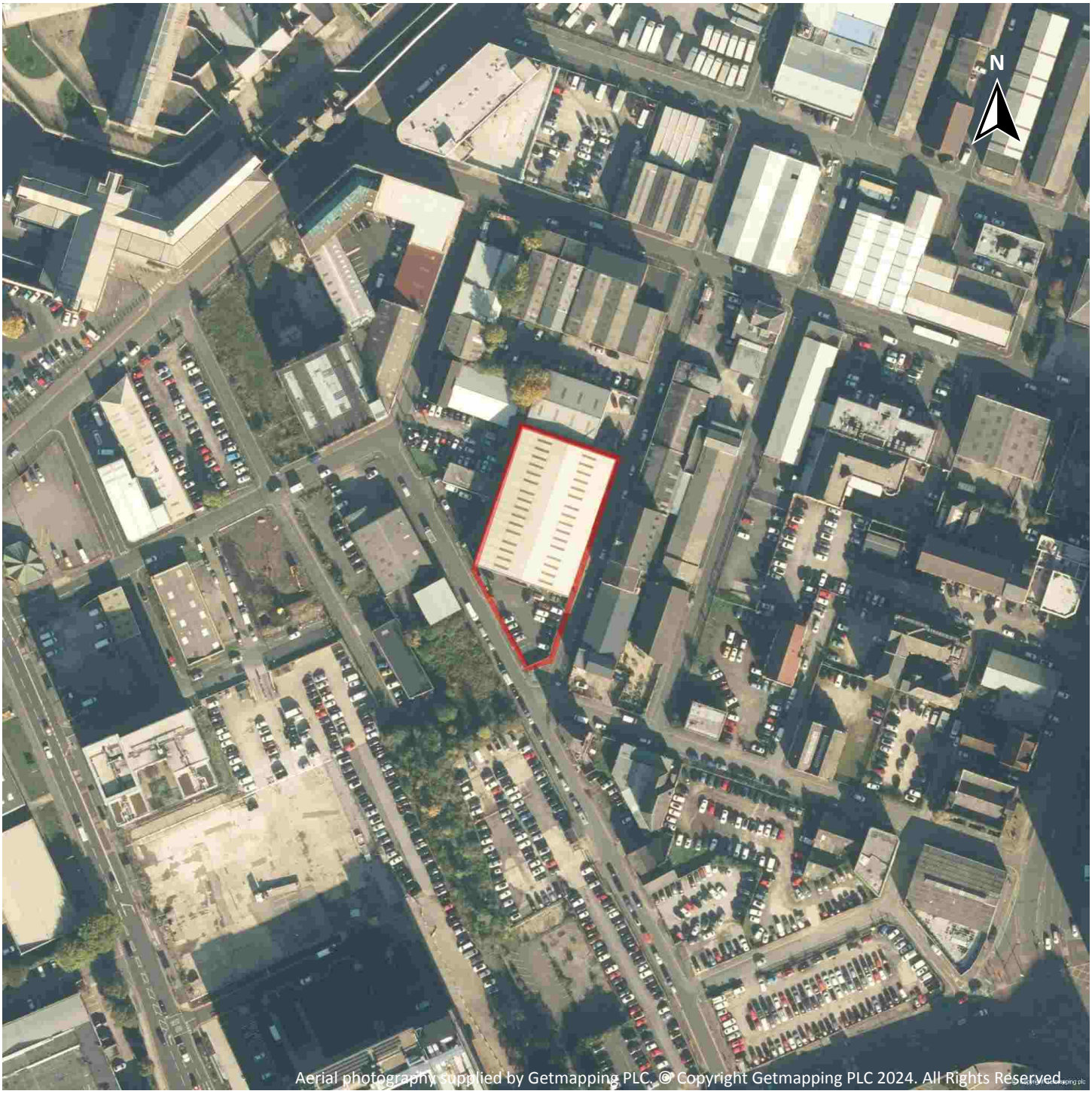
102	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
103	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
103	10.15	Nitrate Sensitive Areas	0	0	0	0	0
103 >	10.16 >	Nitrate Vulnerable Zones >	2	0	1	1	1
104 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
105	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
106	11.1	World Heritage Sites	0	0	0	-	-
107	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
107	11.3	National Parks	0	0	0	-	-
107 >	11.4 >	Listed Buildings >	0	0	5	-	-
108	11.5	Conservation Areas	0	0	0	-	-
108	11.6	Scheduled Ancient Monuments	0	0	0	-	-
108	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
110	12.2	Open Access Land	0	0	0	-	-
110	12.3	Tree Felling Licences	0	0	0	-	-
110	12.4	Environmental Stewardship Schemes	0	0	0	-	-
110	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
111	13.1	Priority Habitat Inventory	0	0	0	-	-
111	13.2	Habitat Networks	0	0	0	-	-
111	13.3	Open Mosaic Habitat	0	0	0	-	-
111	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
112 >	14.1 >	10k Availability >	Identified (within 500m)				
113 >	14.2 >	Artificial and made ground (10k) >	1	0	1	3	-
115 >	14.3 >	Superficial geology (10k) >	1	0	1	2	-

116	14.4	Landslip (10k)	0	0	0	0	-
117 >	14.5 >	Bedrock geology (10k) >	1	0	1	0	-
118 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	2	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
119 >	15.1 >	50k Availability >	Identified (within 500m)				
120 >	15.2 >	Artificial and made ground (50k) >	1	0	1	0	-
121 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
122 >	15.4 >	Superficial geology (50k) >	1	0	1	2	-
123 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
123	15.6	Landslip (50k)	0	0	0	0	-
123	15.7	Landslip permeability (50k)	None (within 50m)				
124 >	15.8 >	Bedrock geology (50k) >	1	0	1	0	-
125 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
125 >	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
126 >	16.1 >	BGS Boreholes >	0	0	35	-	-
Page	Section	Natural ground subsidence >					
129 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
130 >	17.2 >	Running sands >	Very low (within 50m)				
131 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
133 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
134 >	17.5 >	Landslides >	Very low (within 50m)				
135 >	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
137 >	18.1 >	BritPits >	0	0	1	1	-
138 >	18.2 >	Surface ground workings >	1	1	6	-	-
139	18.3	Underground workings	0	0	0	0	0
139	18.4	Underground mining extents	0	0	0	0	-
139	18.5	Historical Mineral Planning Areas	0	0	0	0	-

139	18.6	Non-coal mining	0	0	0	0	0
139 >	18.7 >	JPB mining areas >	Identified (within 0m)				
140	18.8	The Coal Authority non-coal mining	0	0	0	0	-
140 >	18.9 >	Researched mining >	1	0	0	0	-
140	18.10	Mining record office plans	0	0	0	0	-
141	18.11	BGS mine plans	0	0	0	0	-
141 >	18.12 >	Coal mining >	Identified (within 0m)				
141	18.13	Brine areas	None (within 0m)				
141	18.14	Gypsum areas	None (within 0m)				
141	18.15	Tin mining	None (within 0m)				
142	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
143	19.1	Natural cavities	0	0	0	0	-
143	19.2	Mining cavities	0	0	0	0	0
143	19.3	Reported recent incidents	0	0	0	0	-
143	19.4	Historical incidents	0	0	0	0	-
144	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
145 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
147 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
147 >	21.2 >	BGS Estimated Urban Soil Chemistry >	4	2	-	-	-
148	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
149	22.1	Underground railways (London)	0	0	0	-	-
149	22.2	Underground railways (Non-London)	0	0	0	-	-
150	22.3	Railway tunnels	0	0	0	-	-
150 >	22.4 >	Historical railway and tunnel features >	0	0	39	-	-
151	22.5	Royal Mail tunnels	0	0	0	-	-

152 >	22.6 >	Historical railways >	0	0	2	-	-
152	22.7	Railways	0	0	0	-	-
152	22.8	Crossrail 1	0	0	0	0	-
152	22.9	Crossrail 2	0	0	0	0	-
153	22.10	HS2	0	0	0	0	-

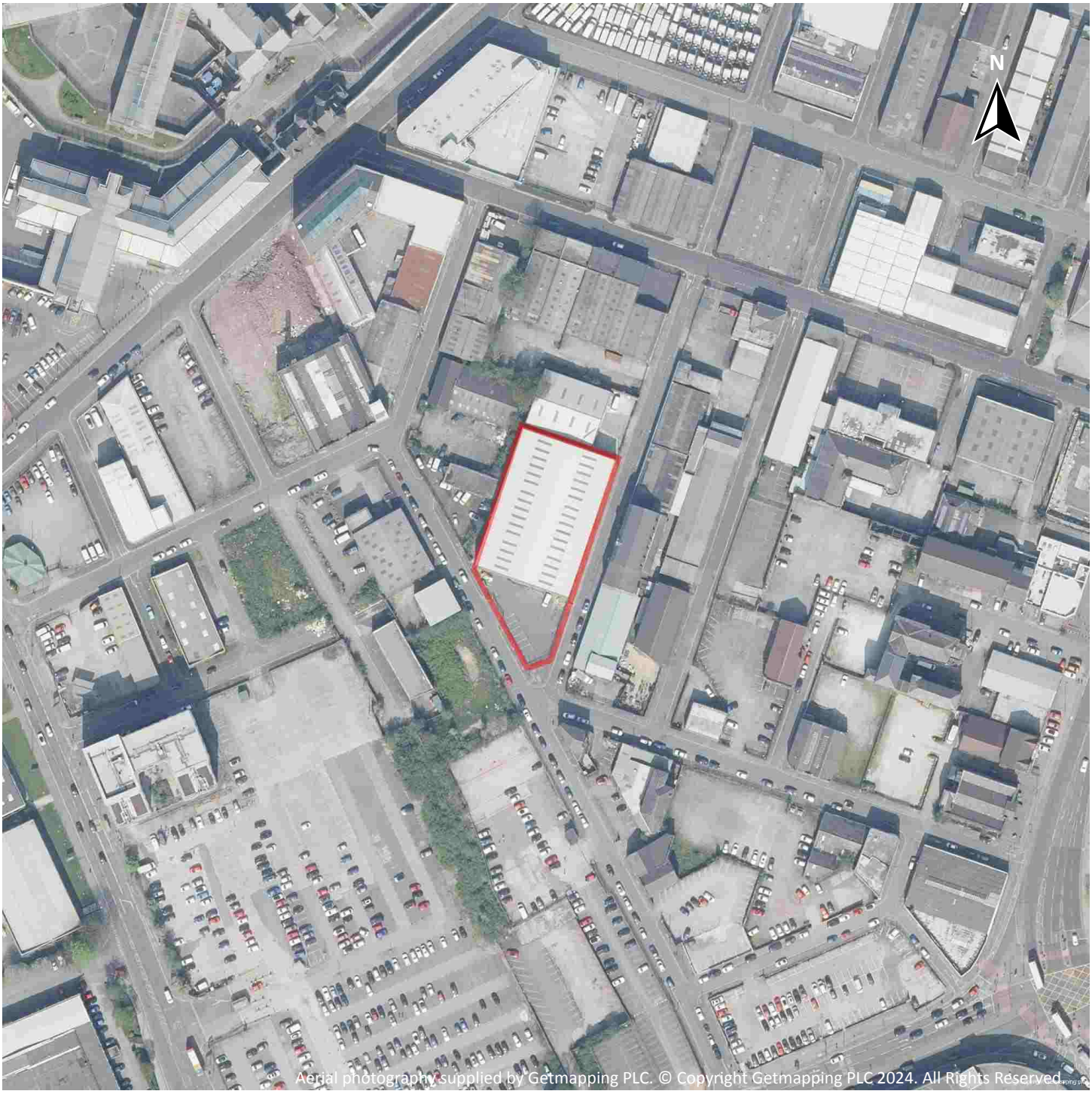
Recent aerial photograph



Capture Date: 18/10/2022

Site Area: 0.25ha

Recent site history - 2019 aerial photograph



Capture Date: 22/04/2019

Site Area: 0.25ha

Recent site history - 2015 aerial photograph

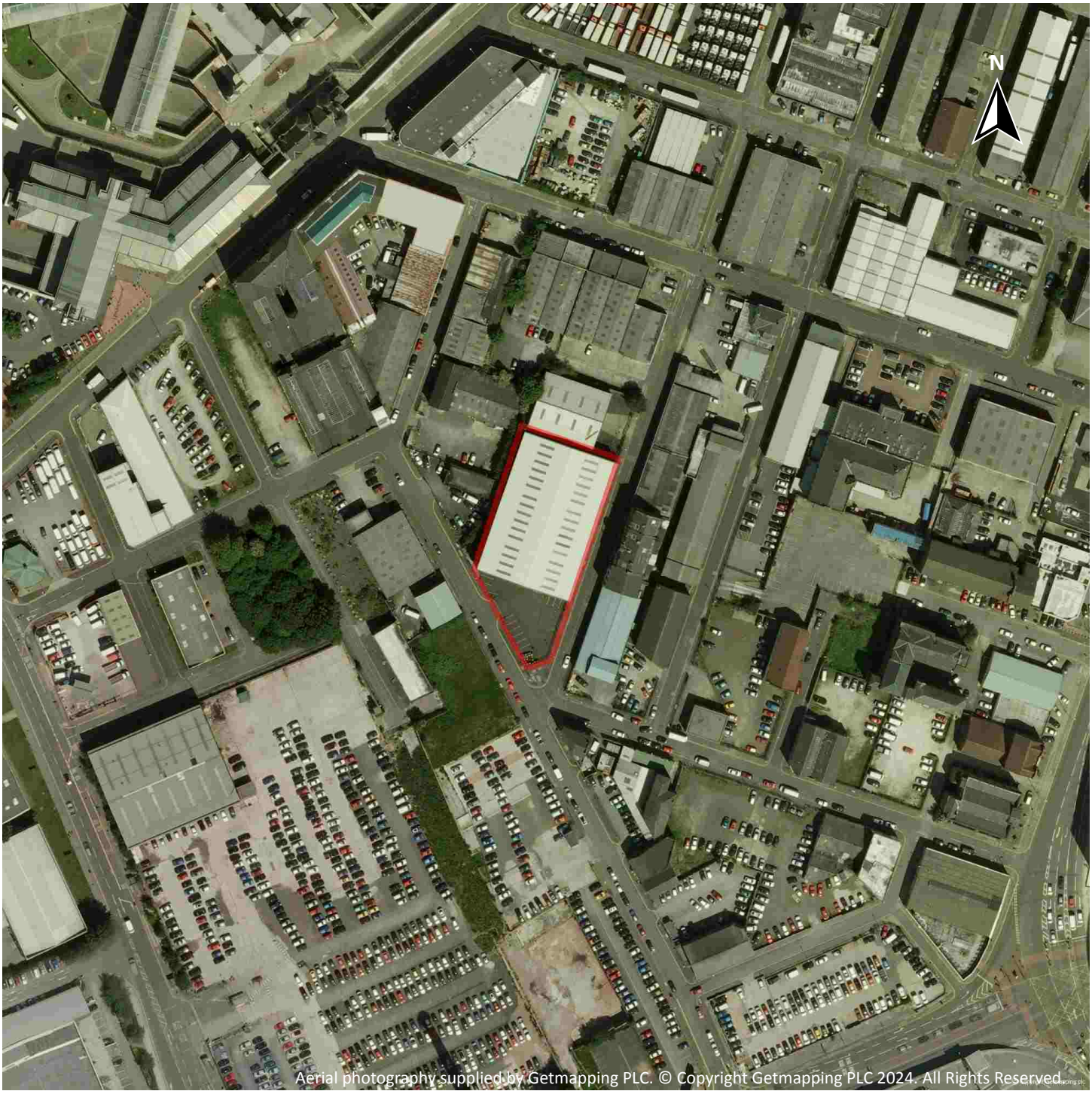


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Capture Date: 11/06/2015

Site Area: 0.25ha

Recent site history - 2009 aerial photograph



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Capture Date: 02/06/2009

Site Area: 0.25ha

Recent site history - 2000 aerial photograph



Capture Date: 27/06/2000

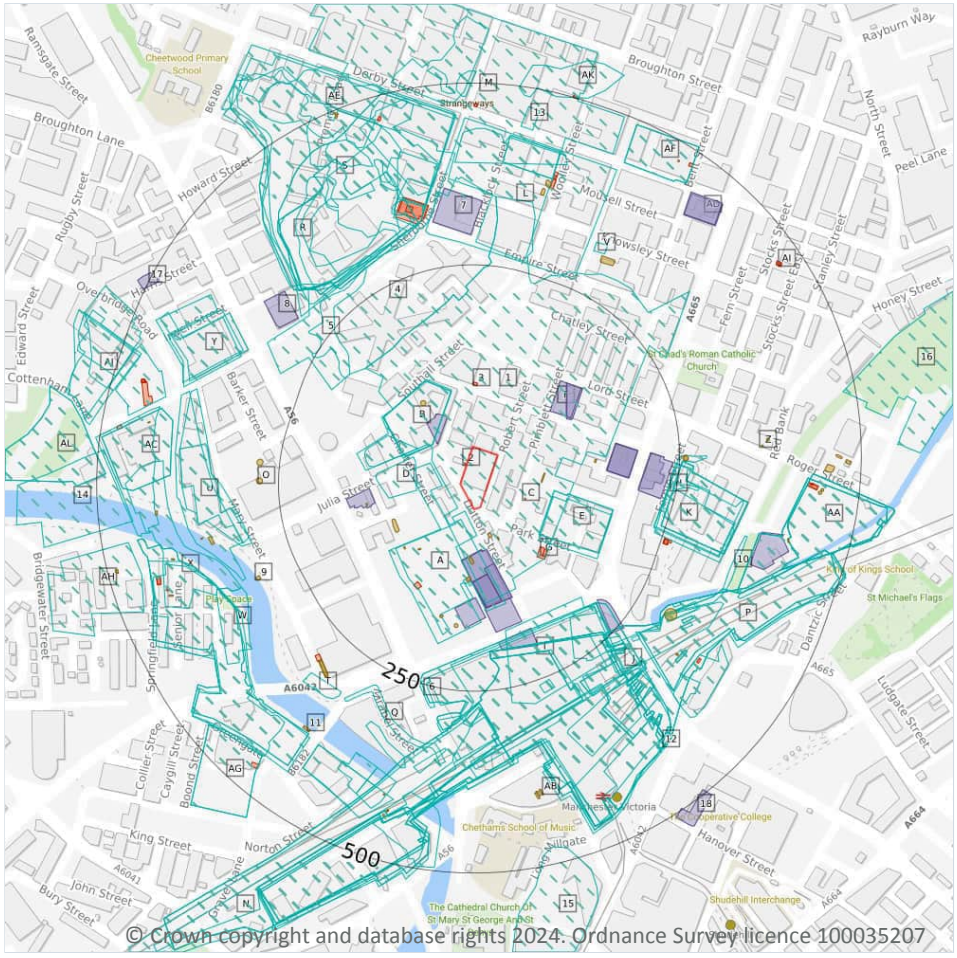
Site Area: 0.25ha

OS MasterMap site plan



Site Area: 0.25ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	143

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 15 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Brick Field**	**1851**	**857249**

ID	Location	Land use	Dates present	Group ID
A	12m S	Brewery	1978	822710
A	23m S	Unspecified Commercial/Industrial	1923	796752
B	53m NW	Unspecified Commercial/Industrial	1938	889569
B	53m NW	Unspecified Commercial/Industrial	1931	912741
B	53m NW	Unspecified Commercial/Industrial	1916	863056
D	60m W	Unspecified Pit	1851	840490
D	71m NW	Unspecified Pit	1851	840491
E	89m SE	Hospital	1931	876058
E	89m SE	Hospital	1916	888247
E	90m SE	Hospital	1923	928379
I	169m S	Workhouse	1851	794985
4	174m NW	Brick Field	1851	976323
I	182m S	Railway Station	1906 - 1916	850180
I	182m S	Railway Station	1931 - 1938	955531
I	184m S	Railway Stations	1894	814475
I	187m S	Railway Station	1923	982510
5	196m NW	Unspecified Ground Workings	1851	800623
I	197m S	Railway Sidings	1956 - 1971	858586
I	197m S	Railway Sidings	1985 - 1994	894545
I	197m S	Railway Station	1956	944542
I	197m S	Railway Sidings	1978	975236
I	197m S	Railway Station	1985 - 1988	946558
I	197m S	Railway Station	1978	848398
I	197m S	Railway Station	1971	933110
J	206m SE	Railway Sidings	1906 - 1916	869948
J	206m SE	Railway Sidings	1931 - 1938	965979
K	234m E	Unspecified Commercial/Industrial	1923 - 1931	845927
K	235m E	Unspecified Commercial/Industrial	1916	973762

ID	Location	Land use	Dates present	Group ID
K	237m E	Unspecified Commercial/Industrial	1938	905224
H	239m E	Unspecified Ground Workings	1851	800622
6	239m S	Railway Building	1923	820402
K	244m E	Unspecified Works	1985 - 1988	870906
K	244m E	Unspecified Works	1978	932157
K	244m E	Unspecified Works	1971	978140
J	249m SE	Railway Sidings	1923	896600
I	255m S	Railway Building	1985	820397
J	258m SE	Railway Sidings	1894	918058
L	262m N	Art Metal Works	1894	809854
M	264m N	Unspecified Commercial/Industrial	1931 - 1938	2367040
N	272m S	Railway Sidings	1906 - 1938	957965
P	274m SE	Railway Sidings	1923	940408
J	275m SE	Railway Building	1894	820403
N	275m S	Railway Sidings	1894	857009
Q	277m SW	Unspecified Ground Workings	1851	800624
P	279m SE	Railway Sidings	1931 - 1938	856860
P	279m SE	Railway Sidings	1906 - 1916	866321
R	283m NW	Unspecified Heap	1894	968607
R	283m NW	Brick Works	1894	979486
I	285m S	Railway Building	1923	820401
R	287m NW	Unspecified Heap	1923	897701
S	287m NW	Brick Works	1923	864895
S	288m NW	Brick Works	1906 - 1916	858389
S	288m NW	Unspecified Ground Workings	1916	932201
S	290m NW	Unspecified Ground Workings	1956 - 1971	952775
S	292m NW	Unspecified Ground Workings	1938	851823
I	294m SE	Railway Station	1851	952133

ID	Location	Land use	Dates present	Group ID
S	294m NW	Unspecified Ground Workings	1931	909181
S	294m NW	Printing Works	1931	990346
J	294m SE	Railway Building	1971	962973
J	294m SE	Railway Building	1985	925125
I	295m SE	Railway Station	1994	938921
J	296m SE	Railway Building	1931	820405
U	298m W	Unspecified Works	1985	978731
J	299m SE	Railway Building	1923	989904
U	299m W	Unspecified Works	1978	846327
I	307m SE	Gravel Yard	1851	834691
U	309m W	Iron Works	1906 - 1938	944352
T	310m SW	Unspecified Commercial/Industrial	1851	796754
V	311m NE	Police Station	1978	832594
S	311m N	Unspecified Heap	1894	804006
S	314m N	Electricity Substation	1916 - 1923	852994
N	315m S	Exchange Station	1923	990417
J	318m SE	Railway Building	1931	871716
J	318m SE	Railway Building	1916	928990
J	321m SE	Railway Building	1923	820404
Q	324m SW	Unspecified Pit	1894	840492
W	330m SW	Cotton Mill	1851	797890
I	331m S	Railway Building	1923	820400
X	333m SW	Dye Works	1851	887531
I	335m S	Railway Building	1931	820399
Y	336m NW	Unspecified Works	1978	830449
S	337m N	Printing Works	1938	959471
J	341m SE	Railway Building	1916	876678
J	341m SE	Railway Building	1931	990567

ID	Location	Land use	Dates present	Group ID
Y	342m NW	Unspecified Commercial/Industrial	1923	888780
Y	342m NW	Unspecified Commercial/Industrial	1931 - 1938	945822
W	349m SW	Unspecified Mills	1923	969431
10	352m SE	Railway Building	1894	820406
W	353m SW	Unspecified Mills	1906 - 1916	888479
W	353m SW	Unspecified Mills	1931 - 1938	903148
W	353m SW	Unspecified Mills	1894	972875
S	354m N	Railway Sidings	1916 - 1923	886190
J	363m SE	Unspecified Commercial/Industrial	1923	796753
S	367m N	Unspecified Ground Workings	1956	881981
N	371m SW	Print Works	1851	832284
AA	372m SE	Iron Works	1906	851941
AA	372m SE	Iron Works	1938	876520
AA	372m SE	Iron Works	1923 - 1931	933061
AA	372m SE	Iron Works	1916	930264
N	379m S	Unspecified Commercial/Industrial	1851	875380
S	381m N	Unspecified Pit	1894	840488
L	384m N	Ice Works	1906	808539
L	384m N	Unspecified Commercial/Industrial	1923	982911
N	388m SW	Unspecified Mills	1894	808183
N	388m SW	Unspecified Commercial/Industrial	1923	916985
N	389m S	Exchange Station	1906 - 1916	889241
N	389m S	Exchange Station	1931 - 1938	909004
L	390m N	Unspecified Pit	1894	840489
N	398m S	Cotton Mill	1851	797892
AC	399m W	Unspecified Works	1985	893059
AC	399m W	Unspecified Works	1978	970171
12	402m SE	Railway Building	1923	820398

ID	Location	Land use	Dates present	Group ID
S	409m N	Unspecified Heaps	1956	831345
AA	410m E	Unspecified Works	1971	849948
AA	410m E	Unspecified Works	1978	919630
AA	410m E	Iron Works	1956	936332
AA	410m E	Unspecified Works	1985	988311
AC	418m W	Unspecified Commercial/Industrial	1906 - 1938	946532
N	419m S	Exchange Station	1956	846331
N	419m S	Disused Station	1971	925123
N	419m S	Disused Station	1978	976443
AC	422m W	Unspecified Commercial/Industrial	1923	796749
AE	438m N	Unspecified Pit	1916 - 1923	925253
AF	438m NE	Unspecified Commercial/Industrial	1923	796750
AF	438m NE	Sawmills	1894	813169
13	443m N	Police Station	1906 - 1923	865775
AG	447m SW	Unspecified Works	1978	910658
AG	447m SW	Unspecified Works	1985 - 1994	980184
14	453m W	Chemical Works	1851	834548
AH	455m W	Unspecified Commercial/Industrial	1923	796745
AJ	473m W	Oil Works	1894	834708
M	474m N	Unspecified Pit	1906	2367433
15	477m S	Unspecified Commercial/Industrial	1931 - 1938	925996
AJ	480m W	Dye Works	1851	833971
M	482m N	Unspecified Pit	1894	962326
16	483m E	Railway Sidings	1906 - 1994	2367776
AJ	484m W	Unspecified Commercial/Industrial	1923	796748
AJ	485m W	Unspecified Works	1971	830448
M	487m N	Unspecified Ground Workings	1894	800620
AK	487m N	Unspecified Ground Workings	1894	800621

ID	Location	Land use	Dates present	Group ID
AL	488m W	Unspecified Works	1978	859627
AL	488m W	Unspecified Works	1985 - 1994	954003

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**64**

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 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 15 >**

ID	Location	Land use	Dates present	Group ID
2	1m NW	Unspecified Tank	1891	116020
A	38m S	Tanks	1950	106845
A	47m S	Tanks	1950 - 1951	143459
C	54m SE	Unspecified Tank	1891	116018
A	66m S	Tanks	1996	106839
C	68m E	Tanks	1891	106848
B	87m NW	Unspecified Tank	1891 - 1892	140021
A	91m SW	Unspecified Tank	1891	116013
A	93m S	Unspecified Tank	1987 - 1996	136143
A	102m SW	Tanks	1987 - 1996	124634
A	108m SW	Unspecified Tank	1891	116012
A	131m W	Unspecified Tank	1891	116019
H	133m E	Unspecified Tank	1891	116017
A	151m S	Unspecified Tank	1987 - 1996	146634
A	159m S	Unspecified Tank	1908 - 1933	132439
H	254m E	Unspecified Tank	1952	135035

ID	Location	Land use	Dates present	Group ID
H	256m E	Unspecified Tank	1952 - 1958	127833
O	272m W	Unspecified Tank	1984 - 1987	130354
O	273m W	Unspecified Tank	1987 - 1996	131082
J	292m SE	Unspecified Tank	1949	116005
T	294m SW	Unspecified Tank	1987 - 1996	128955
T	295m SW	Unspecified Tank	1986	138476
V	301m NE	Unspecified Tank	1952	145826
9	303m SW	Unspecified Tank	1933	116010
J	337m SE	Unspecified Tank	1949 - 1964	133849
X	347m W	Unspecified Tank	1950	116011
L	359m N	Tanks	1989 - 1996	145963
X	361m W	Unspecified Tank	1950 - 1951	145478
Z	363m E	Unspecified Tank	1952	135439
Z	364m E	Unspecified Tank	1952	139714
Z	371m E	Unspecified Tank	1963 - 1964	141033
L	371m N	Tanks	1996	106860
11	378m SW	Unspecified Tank	1950 - 1951	122631
AB	395m S	Unspecified Tank	1949 - 1970	137593
AB	397m S	Unspecified Tank	1891	116006
AB	398m S	Unspecified Tank	1908 - 1933	137664
X	406m W	Tanks	1891	106840
N	410m S	Unspecified Tank	1933	116009
AA	416m E	Unspecified Tank	1891	116014
X	418m W	Unspecified Tank	1933	115610
X	423m W	Tanks	1951	106841
N	430m S	Unspecified Tank	1955	136645
N	430m S	Unspecified Tank	1970	137005
N	430m S	Unspecified Tank	1949	146616

ID	Location	Land use	Dates present	Group ID
N	430m S	Unspecified Tank	1957	125074
N	430m S	Unspecified Tank	1963	125247
N	430m S	Unspecified Tank	1958	136110
N	430m S	Unspecified Tank	1970	147063
N	431m S	Unspecified Tank	1979	125907
N	431m S	Unspecified Tank	1979	130636
N	431m S	Unspecified Tank	1979	137640
AC	435m W	Unspecified Tank	1891	115608
N	437m S	Unspecified Tank	1933	116008
N	442m S	Unspecified Tank	1891	116007
AA	444m E	Unspecified Tank	1908 - 1922	145358
AA	447m E	Unspecified Tank	1958	116016
AA	450m E	Tanks	1963 - 1990	135076
AA	465m E	Tanks	1990	106862
AC	466m W	Unspecified Tank	1891	115609
AF	474m NE	Unspecified Tank	1933	116021
AA	478m E	Tanks	1952	122840
AH	485m W	Tanks	1891	106843
AE	489m N	Unspecified Tank	1950	116022
AE	492m N	Unspecified Tank	1950 - 1954	133768

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	37

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 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 15 >**

ID	Location	Land use	Dates present	Group ID
3	84m N	Electricity Substation	1950 - 1954	83928
G	99m SE	Electricity Substation	1950	81692
G	105m SE	Electricity Substation	1950 - 1996	69498
A	126m SW	Electricity Substation	1950 - 1951	64805
K	254m E	Electricity Substation	1949 - 1952	71824
K	254m E	Electricity Substation	1990	82431
K	255m E	Electricity Substation	1949 - 1995	74729
T	291m SW	Electricity Substation	1984 - 1996	64657
S	316m N	Electricity Substation	1908 - 1954	64086
S	321m N	Electricity Substation	1996	82325
S	332m N	Electricity Substation	1975 - 1989	75992
J	366m SE	Electricity Substation	1990 - 1995	72645
L	371m N	Electricity Substation	1996	62194
L	385m N	Electricity Substation	1989	80134
L	389m N	Electricity Substation	1954	67305
X	426m W	Electricity Substation	1950 - 1951	68131
AA	427m E	Electricity Substation	1949	64848
AA	428m E	Electricity Substation	1949 - 1952	69035
X	432m W	Electricity Substation	1978 - 1998	69078
X	432m W	Electricity Substation	1984	77202
AA	433m E	Electricity Substation	1952	66277
AC	438m W	Electricity Substation	1950	78878
AC	454m W	Electricity Substation	1950	62193
AC	455m W	Electricity Substation	1993	83881
AC	455m W	Electricity Substation	1984 - 1991	68080
AC	456m W	Electricity Substation	1996	66991
AC	456m W	Electricity Substation	1995	73787
AC	456m W	Electricity Substation	1993	85170

ID	Location	Land use	Dates present	Group ID
AG	459m SW	Electricity Substation	1949 - 1994	77083
AI	464m NE	Electricity Substation	1992 - 1993	64762
AI	465m NE	Electricity Substation	1968 - 1989	84374
S	466m N	Electricity Substation	1989 - 1996	73652
M	467m N	Electricity Substation	1950	84704
AC	471m W	Electricity Substation	1984 - 1998	65508
AF	477m NE	Electricity Substation	1949 - 1952	69624
AK	499m N	Electricity Substation	1989	74095
AK	499m N	Electricity Substation	1992 - 1993	64855

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 un-grouped 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	**25**

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 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 15 >**

ID	Location	Land use	Dates present	Group ID
B	47m NW	Garage	1984 - 1996	24235
A	56m S	Garage	1984	22368

ID	Location	Land use	Dates present	Group ID
A	57m S	Garage	1950	21306
A	79m S	Garage	1975	22607
A	90m S	Garage	1958	20653
A	91m S	Garage	1958	21710
F	94m NE	Garage	1958	26976
F	107m NE	Garage	1963 - 1968	27566
F	109m NE	Garage	1958	20821
A	120m W	Garages	1951	20521
A	121m S	Motor Repair Works	1975	20581
H	151m E	Garage	1995	23859
H	151m E	Garage	1990	21257
H	152m E	Garage	1990	20708
I	180m S	Garage	1951	20291
H	199m E	Garage	1990	21627
H	199m E	Garage	1990 - 1995	25612
J	205m SE	Garage	1963 - 1964	27831
7	291m N	Motor Repair Works	1962 - 1975	24441
8	298m NW	Garage	1975	20290
AA	377m E	Garage	1990	24926
AD	418m NE	Garage	1992 - 1993	27258
AD	419m NE	Garage	1989	21934
17	488m NW	Garage	1984	20289
18	494m SE	Garage	1953	23565

This data is sourced from Ordnance Survey / Groundsure.

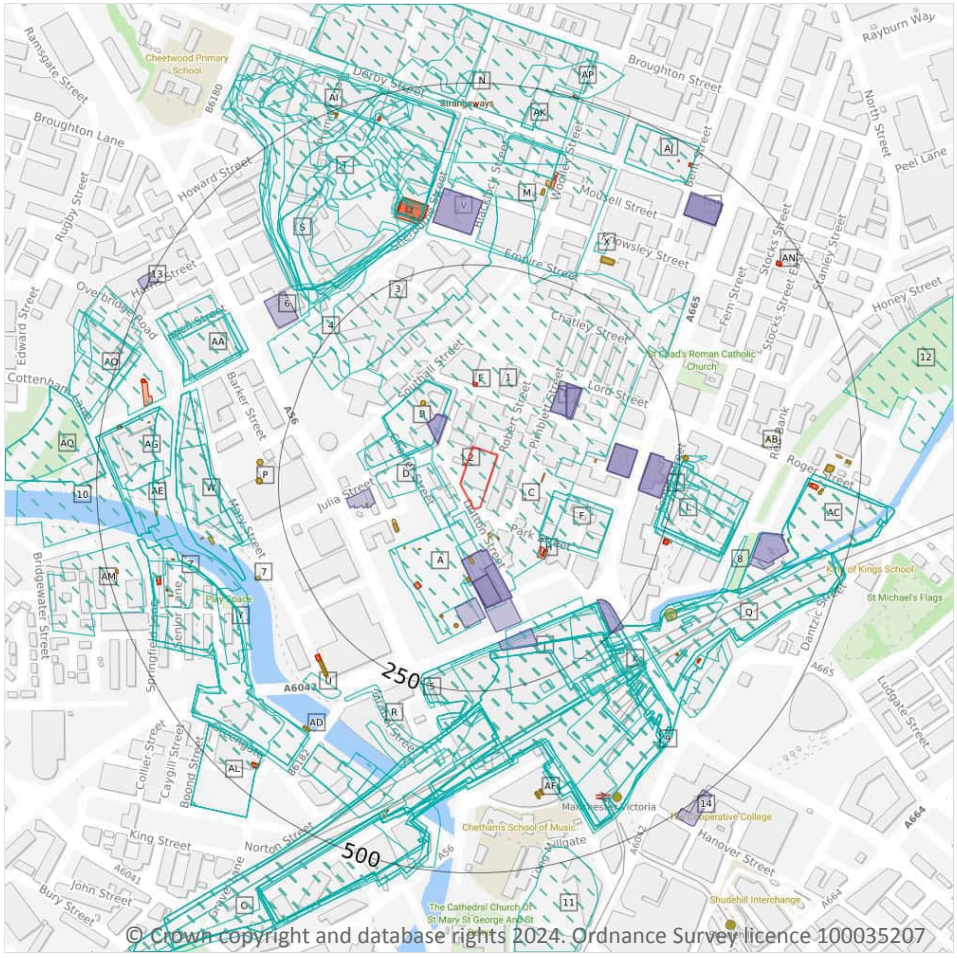
1.6 Historical military land

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



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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	186

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 28 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Brick Field**	**1851**	**857249**
A	12m S	Brewery	1978	822710
A	23m S	Unspecified Commercial/Industrial	1923	796752

ID	Location	Land Use	Date	Group ID
B	53m NW	Unspecified Commercial/Industrial	1938	889569
B	53m NW	Unspecified Commercial/Industrial	1931	912741
B	53m NW	Unspecified Commercial/Industrial	1916	863056
D	60m W	Unspecified Pit	1851	840490
D	71m NW	Unspecified Pit	1851	840491
F	89m SE	Hospital	1931	876058
F	89m SE	Hospital	1916	888247
F	90m SE	Hospital	1923	928379
J	169m S	Workhouse	1851	794985
3	174m NW	Brick Field	1851	976323
J	182m S	Railway Station	1938	955531
J	182m S	Railway Station	1931	955531
J	182m S	Railway Station	1916	850180
J	182m S	Railway Station	1906	850180
J	184m S	Railway Stations	1894	814475
J	187m S	Railway Station	1923	982510
4	196m NW	Unspecified Ground Workings	1851	800623
J	197m S	Railway Sidings	1971	858586
J	197m S	Railway Sidings	1956	858586
J	197m S	Railway Station	1956	944542
J	197m S	Railway Sidings	1988	894545
J	197m S	Railway Sidings	1978	975236
J	197m S	Railway Sidings	1985	894545
J	197m S	Railway Sidings	1994	894545
J	197m S	Railway Station	1988	946558
J	197m S	Railway Station	1985	946558
J	197m S	Railway Station	1971	933110
J	197m S	Railway Station	1978	848398

ID	Location	Land Use	Date	Group ID
K	206m SE	Railway Sidings	1938	965979
K	206m SE	Railway Sidings	1931	965979
K	206m SE	Railway Sidings	1916	869948
K	206m SE	Railway Sidings	1906	869948
L	234m E	Unspecified Commercial/Industrial	1931	845927
L	235m E	Unspecified Commercial/Industrial	1916	973762
L	237m E	Unspecified Commercial/Industrial	1938	905224
L	238m E	Unspecified Commercial/Industrial	1923	845927
I	239m E	Unspecified Ground Workings	1851	800622
5	239m S	Railway Building	1923	820402
L	244m E	Unspecified Works	1971	978140
L	244m E	Unspecified Works	1988	870906
L	244m E	Unspecified Works	1978	932157
L	244m E	Unspecified Works	1985	870906
K	249m SE	Railway Sidings	1923	896600
J	255m S	Railway Building	1985	820397
K	258m SE	Railway Sidings	1894	918058
M	262m N	Art Metal Works	1894	809854
N	264m N	Unspecified Commercial/Industrial	1938	2367040
O	272m S	Railway Sidings	1923	957965
O	273m S	Railway Sidings	1938	957965
O	273m S	Railway Sidings	1931	957965
O	273m S	Railway Sidings	1916	957965
O	273m S	Railway Sidings	1906	957965
Q	274m SE	Railway Sidings	1923	940408
K	275m SE	Railway Building	1894	820403
O	275m S	Railway Sidings	1894	857009
R	277m SW	Unspecified Ground Workings	1851	800624

ID	Location	Land Use	Date	Group ID
Q	279m SE	Railway Sidings	1938	856860
Q	279m SE	Railway Sidings	1931	856860
Q	279m SE	Railway Sidings	1916	866321
Q	279m SE	Railway Sidings	1906	866321
S	283m NW	Unspecified Heap	1894	968607
S	283m NW	Brick Works	1894	979486
J	285m S	Railway Building	1923	820401
S	287m NW	Unspecified Heap	1923	897701
T	287m NW	Brick Works	1923	864895
T	288m NW	Unspecified Ground Workings	1916	932201
T	288m NW	Brick Works	1916	858389
T	288m NW	Brick Works	1906	858389
T	290m NW	Unspecified Ground Workings	1971	952775
T	292m NW	Unspecified Ground Workings	1938	851823
J	294m SE	Railway Station	1851	952133
T	294m NW	Unspecified Ground Workings	1931	909181
T	294m NW	Printing Works	1931	990346
T	294m NW	Unspecified Ground Workings	1956	952775
K	294m SE	Railway Building	1971	962973
K	294m SE	Railway Building	1985	925125
J	295m SE	Railway Station	1994	938921
K	296m SE	Railway Building	1931	820405
W	298m W	Unspecified Works	1985	978731
K	299m SE	Railway Building	1923	989904
W	299m W	Unspecified Works	1978	846327
J	307m SE	Gravel Yard	1851	834691
W	309m W	Iron Works	1938	944352
W	309m W	Iron Works	1931	944352

ID	Location	Land Use	Date	Group ID
W	309m W	Iron Works	1916	944352
W	309m W	Iron Works	1906	944352
W	309m W	Iron Works	1923	944352
U	310m SW	Unspecified Commercial/Industrial	1851	796754
X	311m NE	Police Station	1978	832594
T	311m N	Unspecified Heap	1894	804006
T	314m N	Electricity Substation	1923	852994
O	315m S	Exchange Station	1923	990417
K	318m SE	Railway Building	1931	871716
K	318m SE	Railway Building	1916	928990
T	320m N	Electricity Substation	1916	852994
K	321m SE	Railway Building	1923	820404
R	324m SW	Unspecified Pit	1894	840492
Y	330m SW	Cotton Mill	1851	797890
J	331m S	Railway Building	1923	820400
Z	333m SW	Dye Works	1851	887531
J	335m S	Railway Building	1931	820399
AA	336m NW	Unspecified Works	1978	830449
T	337m N	Printing Works	1938	959471
K	341m SE	Railway Building	1931	990567
K	341m SE	Railway Building	1916	876678
AA	342m NW	Unspecified Commercial/Industrial	1923	888780
AA	342m NW	Unspecified Commercial/Industrial	1931	945822
AA	344m NW	Unspecified Commercial/Industrial	1938	945822
Y	349m SW	Unspecified Mills	1923	969431
8	352m SE	Railway Building	1894	820406
Y	353m SW	Unspecified Mills	1938	903148
Y	353m SW	Unspecified Mills	1931	903148

ID	Location	Land Use	Date	Group ID
Y	353m SW	Unspecified Mills	1916	888479
Y	353m SW	Unspecified Mills	1906	888479
Y	353m SW	Unspecified Mills	1894	972875
T	354m N	Railway Sidings	1923	886190
K	363m SE	Unspecified Commercial/Industrial	1923	796753
T	367m N	Unspecified Ground Workings	1956	881981
O	371m SW	Print Works	1851	832284
AC	372m SE	Iron Works	1938	876520
AC	372m SE	Iron Works	1931	933061
AC	372m SE	Iron Works	1916	930264
AC	372m SE	Iron Works	1906	851941
AC	372m SE	Iron Works	1923	933061
O	379m S	Unspecified Commercial/Industrial	1851	875380
T	380m N	Railway Sidings	1916	886190
T	381m N	Unspecified Pit	1894	840488
M	384m N	Ice Works	1906	808539
M	384m N	Unspecified Commercial/Industrial	1923	982911
O	388m SW	Unspecified Mills	1894	808183
O	388m SW	Unspecified Commercial/Industrial	1923	916985
O	389m S	Exchange Station	1938	909004
O	389m S	Exchange Station	1931	909004
O	389m S	Exchange Station	1916	889241
O	389m S	Exchange Station	1906	889241
M	390m N	Unspecified Pit	1894	840489
AE	395m W	Dye Works	1851	887531
O	398m S	Cotton Mill	1851	797892
AG	399m W	Unspecified Works	1978	970171
AG	399m W	Unspecified Works	1985	893059

ID	Location	Land Use	Date	Group ID
9	402m SE	Railway Building	1923	820398
T	409m N	Unspecified Heaps	1956	831345
AC	410m E	Unspecified Works	1971	849948
AC	410m E	Iron Works	1956	936332
AC	410m E	Unspecified Works	1978	919630
AC	410m E	Unspecified Works	1985	988311
AG	418m W	Unspecified Commercial/Industrial	1938	946532
AG	418m W	Unspecified Commercial/Industrial	1931	946532
AG	418m W	Unspecified Commercial/Industrial	1916	946532
AG	418m W	Unspecified Commercial/Industrial	1906	946532
AG	418m W	Unspecified Commercial/Industrial	1923	946532
O	419m S	Disused Station	1971	925123
O	419m S	Exchange Station	1956	846331
O	419m S	Disused Station	1978	976443
AG	422m W	Unspecified Commercial/Industrial	1923	796749
AI	438m N	Unspecified Pit	1923	925253
AJ	438m NE	Sawmills	1894	813169
AJ	438m NE	Unspecified Commercial/Industrial	1923	796750
AK	443m N	Police Station	1916	865775
AK	443m N	Police Station	1906	865775
AK	443m N	Police Station	1923	865775
N	443m N	Unspecified Commercial/Industrial	1931	2367040
AL	447m SW	Unspecified Works	1988	980184
AL	447m SW	Unspecified Works	1978	910658
AL	447m SW	Unspecified Works	1985	980184
AL	447m SW	Unspecified Works	1994	980184
10	453m W	Chemical Works	1851	834548
AM	455m W	Unspecified Commercial/Industrial	1923	796745

ID	Location	Land Use	Date	Group ID
AO	473m W	Oil Works	1894	834708
N	474m N	Unspecified Pit	1906	2367433
11	477m S	Unspecified Commercial/Industrial	1938	925996
AI	477m NW	Unspecified Pit	1916	925253
AO	480m W	Dye Works	1851	833971
N	482m N	Unspecified Pit	1894	962326
12	483m E	Railway Sidings	1923	2367776
AO	484m W	Unspecified Commercial/Industrial	1923	796748
AO	485m W	Unspecified Works	1971	830448
N	487m N	Unspecified Ground Workings	1894	800620
AP	487m N	Unspecified Ground Workings	1894	800621
AQ	488m W	Unspecified Works	1988	954003
AQ	488m W	Unspecified Works	1978	859627
AQ	488m W	Unspecified Works	1985	954003
AQ	488m W	Unspecified Works	1994	954003

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**102**

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 28 >**

ID	Location	Land Use	Date	Group ID
2	1m NW	Unspecified Tank	1891	116020
A	38m S	Tanks	1950	106845
A	47m S	Tanks	1951	143459
A	47m S	Tanks	1950	143459
C	54m SE	Unspecified Tank	1891	116018

ID	Location	Land Use	Date	Group ID
A	66m S	Tanks	1996	106839
C	68m E	Tanks	1891	106848
B	87m NW	Unspecified Tank	1892	140021
B	88m NW	Unspecified Tank	1891	140021
A	91m SW	Unspecified Tank	1891	116013
A	93m S	Unspecified Tank	1996	136143
A	94m S	Unspecified Tank	1987	136143
A	102m SW	Tanks	1996	124634
A	104m SW	Tanks	1987	124634
A	108m SW	Unspecified Tank	1891	116012
A	131m W	Unspecified Tank	1891	116019
I	133m E	Unspecified Tank	1891	116017
A	151m S	Unspecified Tank	1996	146634
A	152m S	Unspecified Tank	1987	146634
A	159m S	Unspecified Tank	1908	132439
A	159m S	Unspecified Tank	1922	132439
A	159m S	Unspecified Tank	1933	132439
I	254m E	Unspecified Tank	1952	135035
I	256m E	Unspecified Tank	1952	127833
I	256m E	Unspecified Tank	1958	127833
P	272m W	Unspecified Tank	1986	130354
P	273m W	Unspecified Tank	1984	130354
P	273m W	Unspecified Tank	1987	130354
P	273m W	Unspecified Tank	1996	131082
P	273m W	Unspecified Tank	1987	131082
K	292m SE	Unspecified Tank	1949	116005
U	294m SW	Unspecified Tank	1996	128955
U	295m SW	Unspecified Tank	1986	138476

ID	Location	Land Use	Date	Group ID
U	296m SW	Unspecified Tank	1987	128955
U	296m SW	Unspecified Tank	1987	128955
X	301m NE	Unspecified Tank	1952	145826
X	302m NE	Unspecified Tank	1952	145826
7	303m SW	Unspecified Tank	1933	116010
K	337m SE	Unspecified Tank	1952	133849
K	337m SE	Unspecified Tank	1949	133849
K	337m SE	Unspecified Tank	1964	133849
K	337m SE	Unspecified Tank	1958	133849
K	337m SE	Unspecified Tank	1949	133849
K	337m SE	Unspecified Tank	1963	133849
K	337m SE	Unspecified Tank	1952	133849
Z	347m W	Unspecified Tank	1950	116011
M	359m N	Tanks	1996	145963
M	359m N	Tanks	1989	145963
Z	361m W	Unspecified Tank	1950	145478
Z	361m W	Unspecified Tank	1951	145478
AB	363m E	Unspecified Tank	1952	135439
AB	364m E	Unspecified Tank	1952	139714
AB	371m E	Unspecified Tank	1963	141033
M	371m N	Tanks	1996	106860
AB	371m E	Unspecified Tank	1964	141033
AD	378m SW	Unspecified Tank	1950	122631
AD	378m SW	Unspecified Tank	1951	122631
AD	378m SW	Unspecified Tank	1950	122631
AF	395m S	Unspecified Tank	1949	137593
AF	395m S	Unspecified Tank	1955	137593
AF	395m S	Unspecified Tank	1970	137593

ID	Location	Land Use	Date	Group ID
AF	395m S	Unspecified Tank	1957	137593
AF	395m S	Unspecified Tank	1958	137593
AF	395m S	Unspecified Tank	1970	137593
AF	395m S	Unspecified Tank	1963	137593
AF	397m S	Unspecified Tank	1891	116006
AF	398m S	Unspecified Tank	1908	137664
AF	398m S	Unspecified Tank	1922	137664
AF	398m S	Unspecified Tank	1933	137664
Z	406m W	Tanks	1891	106840
O	410m S	Unspecified Tank	1933	116009
AC	416m E	Unspecified Tank	1891	116014
AE	418m W	Unspecified Tank	1933	115610
Z	423m W	Tanks	1951	106841
O	430m S	Unspecified Tank	1949	146616
O	430m S	Unspecified Tank	1955	136645
O	430m S	Unspecified Tank	1970	137005
O	430m S	Unspecified Tank	1957	125074
O	430m S	Unspecified Tank	1958	136110
O	430m S	Unspecified Tank	1970	147063
O	430m S	Unspecified Tank	1963	125247
O	431m S	Unspecified Tank	1979	137640
O	431m S	Unspecified Tank	1979	125907
O	431m S	Unspecified Tank	1979	130636
AG	435m W	Unspecified Tank	1891	115608
O	437m S	Unspecified Tank	1933	116008
O	442m S	Unspecified Tank	1891	116007
AC	444m E	Unspecified Tank	1908	145358
AC	444m E	Unspecified Tank	1922	145358

ID	Location	Land Use	Date	Group ID
AC	447m E	Unspecified Tank	1958	116016
AC	450m E	Tanks	1964	135076
AC	450m E	Tanks	1963	135076
AC	451m E	Tanks	1990	135076
AC	465m E	Tanks	1990	106862
AG	466m W	Unspecified Tank	1891	115609
AJ	474m NE	Unspecified Tank	1933	116021
AC	478m E	Tanks	1952	122840
AC	479m E	Tanks	1952	122840
AM	485m W	Tanks	1891	106843
AI	489m N	Unspecified Tank	1950	116022
AI	492m N	Unspecified Tank	1954	133768
AI	492m N	Unspecified Tank	1950	133768

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**102**

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 28 >**

ID	Location	Land Use	Date	Group ID
E	84m N	Electricity Substation	1950	83928
E	84m N	Electricity Substation	1954	83928
E	84m N	Electricity Substation	1950	83928
H	99m SE	Electricity Substation	1950	81692
H	105m SE	Electricity Substation	1996	69498
H	106m SE	Electricity Substation	1984	69498
H	106m SE	Electricity Substation	1987	69498

ID	Location	Land Use	Date	Group ID
H	106m SE	Electricity Substation	1987	69498
H	107m SE	Electricity Substation	1986	69498
H	107m SE	Electricity Substation	1951	69498
H	107m SE	Electricity Substation	1950	69498
A	126m SW	Electricity Substation	1951	64805
A	126m SW	Electricity Substation	1950	64805
A	126m SW	Electricity Substation	1950	64805
L	254m E	Electricity Substation	1952	71824
L	254m E	Electricity Substation	1949	71824
L	254m E	Electricity Substation	1990	82431
L	255m E	Electricity Substation	1949	74729
L	255m E	Electricity Substation	1990	74729
L	255m E	Electricity Substation	1952	74729
L	255m E	Electricity Substation	1995	74729
U	291m SW	Electricity Substation	1996	64657
U	292m SW	Electricity Substation	1986	64657
U	293m SW	Electricity Substation	1984	64657
U	293m SW	Electricity Substation	1987	64657
U	293m SW	Electricity Substation	1987	64657
T	316m N	Electricity Substation	1908	64086
T	316m N	Electricity Substation	1922	64086
T	319m N	Electricity Substation	1950	64086
T	320m N	Electricity Substation	1954	64086
T	320m N	Electricity Substation	1950	64086
T	321m N	Electricity Substation	1996	82325
T	332m N	Electricity Substation	1975	75992
T	333m N	Electricity Substation	1989	75992
K	366m SE	Electricity Substation	1990	72645

ID	Location	Land Use	Date	Group ID
K	366m SE	Electricity Substation	1995	72645
K	366m SE	Electricity Substation	1990	72645
M	371m N	Electricity Substation	1996	62194
M	385m N	Electricity Substation	1989	80134
M	389m N	Electricity Substation	1954	67305
Z	426m W	Electricity Substation	1950	68131
Z	426m W	Electricity Substation	1951	68131
AC	427m E	Electricity Substation	1949	64848
AC	428m E	Electricity Substation	1949	69035
AC	428m E	Electricity Substation	1952	69035
Z	432m W	Electricity Substation	1994	69078
Z	432m W	Electricity Substation	1994	69078
Z	432m W	Electricity Substation	1996	69078
Z	432m W	Electricity Substation	1995	69078
Z	432m W	Electricity Substation	1998	69078
Z	432m W	Electricity Substation	1984	77202
AC	433m E	Electricity Substation	1952	66277
Z	433m W	Electricity Substation	1978	69078
Z	433m W	Electricity Substation	1987	69078
Z	433m W	Electricity Substation	1987	69078
AG	438m W	Electricity Substation	1950	78878
AG	454m W	Electricity Substation	1950	62193
AG	455m W	Electricity Substation	1993	83881
AG	455m W	Electricity Substation	1986	68080
AG	455m W	Electricity Substation	1986	68080
AG	455m W	Electricity Substation	1991	68080
AG	456m W	Electricity Substation	1984	68080
AG	456m W	Electricity Substation	1995	73787

ID	Location	Land Use	Date	Group ID
AG	456m W	Electricity Substation	1993	85170
AG	456m W	Electricity Substation	1996	66991
AL	459m SW	Electricity Substation	1994	77083
AL	459m SW	Electricity Substation	1992	77083
AL	459m SW	Electricity Substation	1949	77083
AL	459m SW	Electricity Substation	1955	77083
AL	459m SW	Electricity Substation	1970	77083
AL	459m SW	Electricity Substation	1989	77083
AL	459m SW	Electricity Substation	1979	77083
AL	459m SW	Electricity Substation	1979	77083
AL	459m SW	Electricity Substation	1979	77083
AL	459m SW	Electricity Substation	1985	77083
AL	460m SW	Electricity Substation	1957	77083
AL	460m SW	Electricity Substation	1970	77083
AN	464m NE	Electricity Substation	1993	64762
AN	464m NE	Electricity Substation	1992	64762
AN	464m NE	Electricity Substation	1993	64762
AN	465m NE	Electricity Substation	1968	84374
AN	465m NE	Electricity Substation	1989	84374
T	466m N	Electricity Substation	1989	73652
T	466m N	Electricity Substation	1996	73652
N	467m N	Electricity Substation	1950	84704
N	468m N	Electricity Substation	1950	84704
AG	471m W	Electricity Substation	1984	65508
AG	472m W	Electricity Substation	1994	65508
AG	472m W	Electricity Substation	1994	65508
AG	472m W	Electricity Substation	1996	65508
AG	472m W	Electricity Substation	1995	65508

ID	Location	Land Use	Date	Group ID
AG	472m W	Electricity Substation	1998	65508
AG	472m W	Electricity Substation	1987	65508
AG	472m W	Electricity Substation	1987	65508
AJ	477m NE	Electricity Substation	1952	69624
AJ	477m NE	Electricity Substation	1949	69624
AJ	477m NE	Electricity Substation	1952	69624
AJ	477m NE	Electricity Substation	1949	69624
AP	499m N	Electricity Substation	1989	74095
AP	499m N	Electricity Substation	1993	64855
AP	499m N	Electricity Substation	1992	64855
AP	499m N	Electricity Substation	1993	64855

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	**35**

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 28 >**

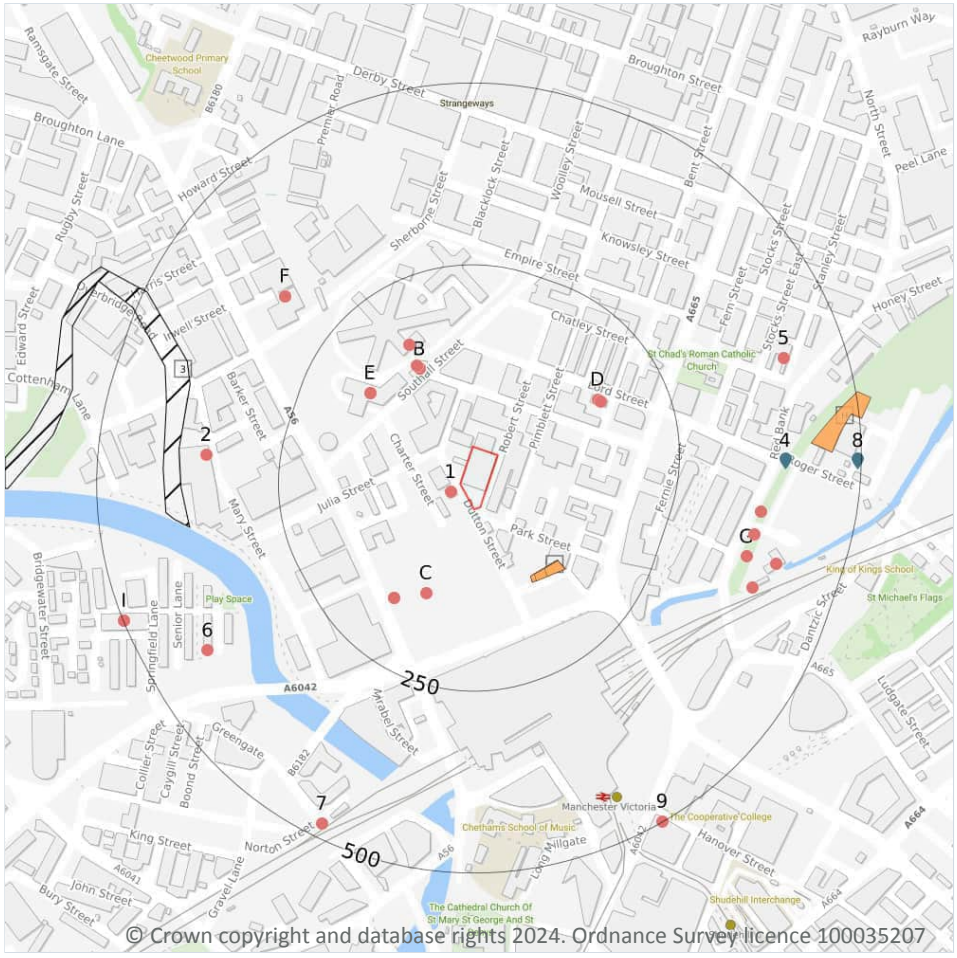
ID	Location	Land Use	Date	Group ID
B	47m NW	Garage	1996	24235
B	47m NW	Garage	1984	24235

ID	Location	Land Use	Date	Group ID
A	56m S	Garage	1984	22368
A	57m S	Garage	1950	21306
A	79m S	Garage	1975	22607
A	90m S	Garage	1958	20653
A	91m S	Garage	1958	21710
G	94m NE	Garage	1958	26976
G	95m NE	Garage	1958	26976
G	107m NE	Garage	1963	27566
G	108m NE	Garage	1964	27566
G	109m NE	Garage	1958	20821
A	120m W	Garages	1951	20521
A	121m S	Motor Repair Works	1975	20581
G	133m NE	Garage	1968	27566
I	151m E	Garage	1995	23859
I	151m E	Garage	1990	21257
I	152m E	Garage	1990	20708
J	180m S	Garage	1951	20291
I	199m E	Garage	1990	21627
I	199m E	Garage	1995	25612
I	200m E	Garage	1990	25612
K	205m SE	Garage	1963	27831
K	205m SE	Garage	1964	27831
V	291m N	Motor Repair Works	1975	24441
V	291m N	Motor Repair Works	1962	24441
6	298m NW	Garage	1975	20290
AC	377m E	Garage	1990	24926
AC	377m E	Garage	1990	24926
AH	418m NE	Garage	1992	27258

ID	Location	Land Use	Date	Group ID
AH	418m NE	Garage	1993	27258
AH	418m NE	Garage	1993	27258
AH	419m NE	Garage	1989	21934
13	488m NW	Garage	1984	20289
14	494m SE	Garage	1953	23565

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

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

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

ID	Location	Details		
3	376m W	Site Address: Overbridge Road, Salford, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: E090 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	7

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

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

ID	Location	Address	Further Details	Date
A	117m SE	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

ID	Location	Address	Further Details	Date
A	117m SE	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
A	117m SE	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
A	118m SE	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
A	121m SE	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1974
H	431m E	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
H	431m E	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

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

3.6 Licensed waste sites

Records within 500m	**2**

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

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

ID	Location	Details		
4	394m E	Site Name: Mobile Plant Site Address: Red Bank, Cheetham Hill, Manchester, M8 Correspondence Address: -	Type of Site: Mobile Plant Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MEL002 EPR reference: EA/EPR/LP3292ZH/S002 Operator: Mel Ltd Waste Management licence No: 65243 Annual Tonnage: 75000	Issue Date: 17/04/2002 Effective Date: - Modified: - Surrendered Date: Feb 6 2007 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
8	494m E	Site Name: Placemix Ltd Transfer Station Site Address: Hargreaves Street, Manchester, Manchester, M4 4EJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629947 EPR reference: EA/EPR/CP3998CM Operator: Placemix Limited Waste Management licence No: 50017 Annual Tonnage: 24900	Issue Date: 31/03/2000 Effective Date: 31/03/2000 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

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

3.7 Waste exemptions

Records within 500m **33**

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

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

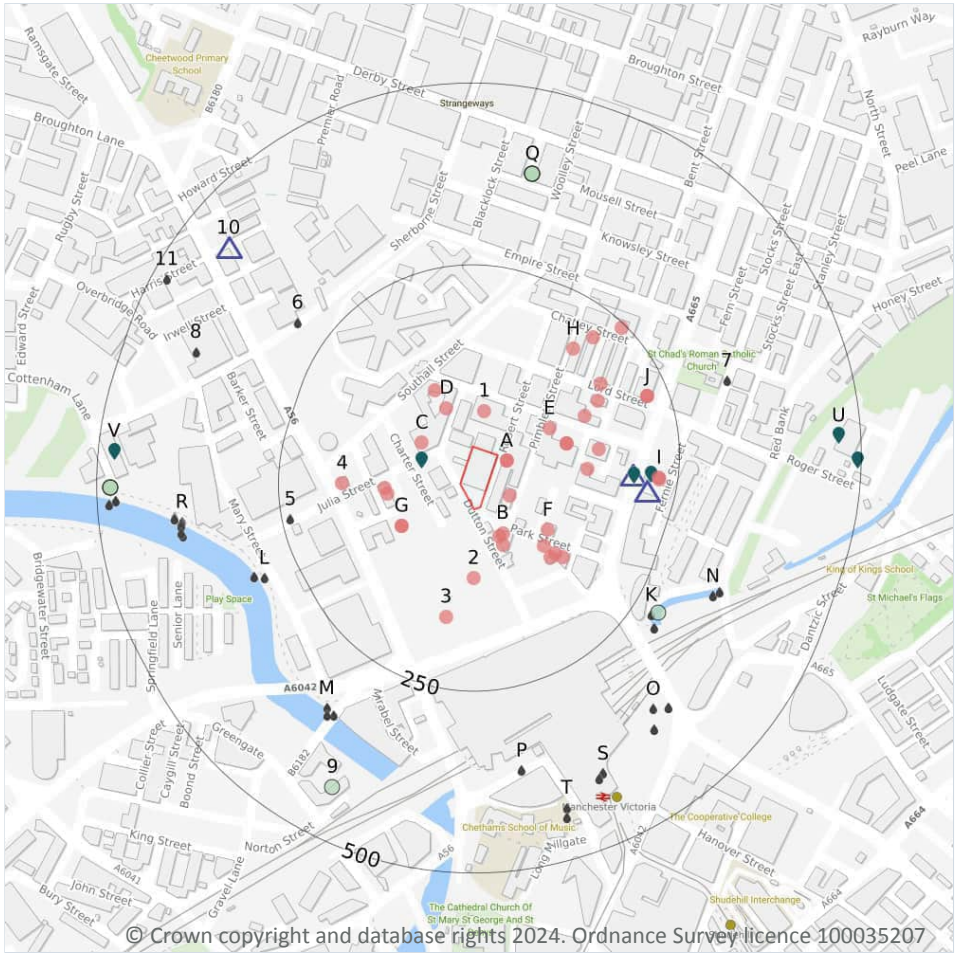
ID	Location	Site	Reference	Category	Sub-Category	Description
1	18m SW	47, DUTTON STREET, MANCHESTER, M3 1LF	WEX375064	Using waste exemption	Not on a farm	Use of waste in construction
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX217664	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX225758	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX225758	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX225758	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX079879	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX079879	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX079879	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	129m NW	SOUTHALL STREET, MANCHESTER, M60 9AH	WEX040883	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	133m SW	-	WEX374105	Using waste exemption	Not on a farm	Use of waste in construction
B	136m NW	Pharmacy Dept HMP Manchester Southall Street Manchester Lancashire M60 9AH	EPR/EE5285VK/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
D	156m NE	Units 1-2, 75 Lord Street, Manchester, M3 1HE	WEX380551	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	159m NE	-	WEX350342	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	160m NW	HMP Manchester, 1 Southall Street, Manchester, M609AH	WEX337949	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	160m NW	HMP Manchester, SOUTHALL STREET, MANCHESTER, M60 9AH	WEX341540	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	165m NW	HMP Manchester Southall Street Manchester Lancashire M60 9AH	EPR/KE5042FK/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
C	165m SW	-	WEX232815	Using waste exemption	Not on a farm	Use of waste in construction
C	165m SW	-	WEX232815	Treating waste exemption	Not on a farm	Screening and blending of waste
F	331m NW	2-16, BURY NEW ROAD, MANCHESTER, M8 8EL	WEX278596	Using waste exemption	Not on a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
F	331m NW	2-16, BURY NEW ROAD, MANCHESTER, M8 8EL	WEX278623	Using waste exemption	Not on a farm	Use of waste in construction
F	331m NW	2-16, BURY NEW ROAD, MANCHESTER, M8 8EL	WEX278623	Treating waste exemption	Not on a farm	Recovery of scrap metal
2	352m W	-	WEX309830	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	369m E	Unit 11, Red Bank Court, Manchester, M4 4HF	EA/EPR/VP3883PQ/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
G	369m E	CE ASSET MANAGEMENT LTD ARCH 11 RED BANK COURT MANCHESTER M4 4HF	EPR/JF0703BC/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
G	370m E	Ritter Manchester Unit 17 Red Bank Court Manchester M4 4HF	EPR/LE5149HL/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
G	389m E	Arch 11 Red Bank Court Manchester M4 4HF	EA/EPR/VP3759YE/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
G	411m E	Unit 11, 11 Red Bank Court, Manchester, M4 4HF	WEX107443	Storing waste exemption	Not on a farm	Storage of waste in a secure place
5	415m E	Samuel House St. Chads Street Manchester Manchester M8 8QA	EPR/NF0800CZ/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
6	415m SW	c/o PR Group, Senior Lane, Salford, Greater Manchester, M37FF	WEX226919	Using waste exemption	Not on a farm	Use of waste in construction
7	481m SW	Greengate Embankment Greengate Salford M3 7NG	EPR/AF0001MD/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
9	499m SE	Noma Hanover (Russells Construction Works), Hanover Street, Manchester, M4 4AH	WEX075222	Using waste exemption	Not on a farm	Use of waste in construction
I	500m W	Vacant Site off Springfield Lane, Springfield Lane, Salford, Salford, M3 7EH	WEX015955	Using waste exemption	Not on a farm	Use of waste in construction
I	500m W	Vacant Site off Springfield Lane, Springfield Lane, Salford, Salford, M3 7EH	WEX015955	Treating waste exemption	Not on a farm	Screening and blending of waste

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

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	37

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 53 >**

ID	Location	Company	Address	Activity	Category
A	14m NE	Custom Birthday Banners	16, Robert Street, Cheetham, Manchester, Greater Manchester, M3 1EY	Medals, Trophies, Ceremonial and Religious Goods	Consumer Products
A	14m NE	Printed Today	16, Robert Street, Cheetham, Manchester, Greater Manchester, M3 1EY	Medals, Trophies, Ceremonial and Religious Goods	Consumer Products

ID	Location	Company	Address	Activity	Category
A	34m SE	Factory	Greater Manchester, M3	Unspecified Works Or Factories	Industrial Features
B	47m SE	Ramay	27, Park Street, Manchester, Greater Manchester, M3 1EU	General Construction Supplies	Industrial Products
B	48m S	Arena Autos	29, Park Street, Manchester, Greater Manchester, M3 1EU	Vehicle Repair, Testing and Servicing	Repair and Servicing
1	52m N	Elegant Embroiders Ltd	43, Carnarvon Street, Manchester, Greater Manchester, M3 1EZ	Textiles, Fabrics, Silk and Machinery	Industrial Products
B	60m S	Works	Greater Manchester, M3	Unspecified Works Or Factories	Industrial Features
D	64m NW	Factory	Greater Manchester, M3	Unspecified Works Or Factories	Industrial Features
C	68m NW	Storage Box UK	Julia Street, -, Manchester, Greater Manchester, M3 1LN	Container and Storage	Transport, Storage and Delivery
E	80m NE	Y N R Instruments Ltd	17, Carnarvon Street, Manchester, Greater Manchester, M3 1EZ	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
D	93m NW	Works	Greater Manchester, M3	Unspecified Works Or Factories	Industrial Features
2	94m S	Tank	Greater Manchester, M3	Tanks (Generic)	Industrial Features
E	96m E	Vickers Electronics	15, Carnarvon Street, Manchester, Greater Manchester, M3 1HJ	Electronic Equipment	Industrial Products
E	96m E	The Pilot Group	15, Carnarvon Street, Manchester, Greater Manchester, M3 1HJ	Electronic Equipment	Industrial Products
F	98m SE	Super Saeed Hosiery	12, Park Street, Manchester, Greater Manchester, M3 1ES	Lingerie and Hosiery	Consumer Products
G	98m SW	Tank	Greater Manchester, M3	Tanks (Generic)	Industrial Features
G	98m SW	Tanks	Greater Manchester, M3	Tanks (Generic)	Industrial Features
G	102m W	Factory	Greater Manchester, M3	Unspecified Works Or Factories	Industrial Features
F	103m SE	Electricity Sub Station	Greater Manchester, M3	Electrical Features	Infrastructure and Facilities
G	105m W	Joseph Segal Ltd	Cortress House, Julia Street, Manchester, Greater Manchester, M3 1DQ	Packaging	Industrial Products
F	118m SE	Works	Greater Manchester, M3	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
F	121m SE	Super Five Auto Care	9-11, Park Street, Manchester, Greater Manchester, M3 1EU	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	125m E	Factory	Greater Manchester, M4	Unspecified Works Or Factories	Industrial Features
E	130m NE	Bedding Royal	J R Hosiery Co Ltd 2-12, Carnarvon Street, Manchester, Greater Manchester, M3 1JJ	Beds and Bedding	Consumer Products
F	133m SE	N R P Carburettor & Diaphragms	7, Park Street, Manchester, Greater Manchester, M3 1EU	Vehicle Components	Industrial Products
E	139m E	S P Nayar & Co UK Ltd	9, Carnarvon Street, Manchester, Greater Manchester, M3 1EZ	Lingerie and Hosiery	Consumer Products
3	153m S	Tank	Greater Manchester, M3	Tanks (Generic)	Industrial Features
E	157m NE	Germs Free	51, Lord Street, Manchester, Greater Manchester, M3 1HE	Waste Storage, Processing and Disposal	Infrastructure and Facilities
4	162m W	Salford Car Hire	82, Great Ducie Street, Manchester, Greater Manchester, M3 1LT	Vehicle Hire and Rental	Hire Services
E	172m NE	Electricity Sub Station	Greater Manchester, M3	Electrical Features	Infrastructure and Facilities
H	179m NE	Rubitex Ltd	52, Lord Street, Manchester, Greater Manchester, M3 1HN	Textiles, Fabrics, Silk and Machinery	Industrial Products
H	209m NE	Aama Bros Ltd	Unit 15, Chatley Street, Manchester, Greater Manchester, M3 1HX	Packaging	Industrial Products
J	221m NE	Printec Studio Ltd	61, Cheetham Hill Road, Manchester, Greater Manchester, M4 4FS	Published Goods	Industrial Products
J	221m NE	Subak Signs	61, Cheetham Hill Road, Manchester, Greater Manchester, M4 4FS	Signs	Industrial Products
I	224m E	Redbank Service Station	58, Cheetham Hill Road, Manchester, Greater Manchester, M4 4EX	Vehicle Cleaning Services	Personal, Consumer and Other Services
I	225m E	Texaco	58, Cheetham Hill, Manchester, Greater Manchester, M4 4EX	Petrol and Fuel Stations	Road and Rail
H	245m NE	Works	Greater Manchester, M3	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	3

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 53 >**

ID	Location	Company	Address	LPG	Status
I	188m E	OBSOLETE	37-41, Cheetham Hill Road, Manchester, Greater Manchester, M4 4FT	Not Applicable	Obsolete
I	211m E	TEXACO	58-76, Cheetham Hill Road, Manchester, Greater Manchester, M4 4EX	No	Open
10	433m NW	OBSOLETE	Waterloo Road, Manchester, Greater Manchester, M8 8GJ	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	0

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.

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	0

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.

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	0

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

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

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

Records within 500m	6

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 53 >**

ID	Location	Address	Details	
C	61m W	Park Gge Manchester Ltd, Cheviot St, M3 1LW	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	188m E	Cheetham Hill Serv Stn, Cheetham Hill Rd, M4 4FT	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	212m E	Redbank Service Station, 58 Cheetham Hill Road, Cheetham Hill, M4 4EX	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
U	469m E	Avis Rent A Car Ltd, Avis Bodyshop, Chase Street, Redbank, Cheetham, Hill, M4 4FL	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
V	478m W	Chemipat Limited, Sherborne Street West, Salford, M3 7LF	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of enforcement: 14/06/2007 Comment: EPA enforcment notice section 13
U	494m E	New Mix Concrete, Roger St, M4 4EN	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement 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	56

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 53 >**

ID	Location	Address	Details	
5	238m W	JULIA ST/MIRGHEL ST, SSO, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0063 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993
K	277m SE	VERDON STREET/SCOTLAND CSO, SCOTLAND VIA RED BANK, MANCHESTER, GREATER MANCHESTER, M4 4EW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982715 Permit Version: 2 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 04/12/2019 Effective Date: 04/12/2019 Revocation Date: -
K	291m SE	VERDON STREET/SCOTLAND CSO, SCOTLAND VIA RED BANK, MANCHESTER, GREATER MANCHESTER, M4 4EW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982715 Permit Version: 1 Receiving Water: RIVER IRK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 30/09/1994 Revocation Date: 03/12/2019
K	291m SE	VERDON STREET/SCOTLAND CSO, SCOTLAND VIA RED BANK, MANCHESTER, GREATER MANCHESTER, M4 4EW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0265 Permit Version: 1 Receiving Water: RIVER IRK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 01/01/1995
6	294m NW	SHERBOURNE ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0358 Permit Version: 1 Receiving Water: -	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: -
L	299m SW	JULIA SREETT CSO, 43 JULIA STREET, MANCHESTER, GREATER MANCHESTER, M3 1FB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: EPRQB3590DE Permit Version: 1 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 07/02/2020 Effective Date: 07/02/2020 Revocation Date: -

ID	Location	Address	Details	
L	311m SW	JULIA SREETT CSO, 43 JULIA STREET, MANCHESTER, GREATER MANCHESTER, M3 1FB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0005 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
L	311m SW	JULIA SREETT CSO, 43 JULIA STREET, MANCHESTER, GREATER MANCHESTER, M3 1FB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0005 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 06/02/2020
7	330m E	CHEETHAM HILL RD, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0369 Permit Version: 1 Receiving Water: S/W	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 01/01/2017
M	340m SW	BEAUMONT BUILDING CSO 28049, JNT NEW BRIDGE ST GREAT DUCIE ST, MAN0051, MANCHESTER, M3 1PQ	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 016993837 Permit Version: 1 Receiving Water: THE RIVER IRWELL	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2006 Effective Date: 31/03/2008 Revocation Date: 10/04/2018
N	342m SE	ASPIN LANE CSO 281CJ, VALLEA COURT, 1 RED BANK, MANCHESTER, M4 4FE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0031 Permit Version: 3 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 24/06/2018
N	342m SE	ASPIN LANE CSO 281CJ, VALLEA COURT, 1 RED BANK, MANCHESTER, M4 4FE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0031 Permit Version: 4 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 25/06/2018 Effective Date: 25/06/2018 Revocation Date: -
M	342m SW	BEAUMONT BUILDING CSO 28049, JNT NEW BRIDGE ST GREAT DUCIE ST, MAN0051, MANCHESTER, M3 1PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0051 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 30/03/2008

ID	Location	Address	Details	
M	348m SW	BEAUMONT BUILDING CSO 28049, JNT NEW BRIDGE ST GREAT DUCIE ST, MAN0051, MANCHESTER, M3 1PQ	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 016993837 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 11/04/2018 Effective Date: 11/04/2018 Revocation Date: -
N	348m SE	ASPIN LANE CSO 281CJ, VALLEA COURT, 1 RED BANK, MANCHESTER, M4 4FE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0031 Permit Version: 1 Receiving Water: RIVER IRK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
N	348m SE	ASPIN LANE CSO 281CJ, VALLEA COURT, 1 RED BANK, MANCHESTER, M4 4FE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0031 Permit Version: 2 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016
O	365m SE	NEW VICTORIA DEVELOPMENT (VINCI, CONSTRUCTION), LONG MILLGATE, MANCHESTER, M3 1NX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRUB3890AJ Permit Version: 1 Receiving Water: RIVER IRK	Status: SURRENDERED UNDER EPR 2010 Issue date: 25/01/2022 Effective Date: 25/01/2022 Revocation Date: 21/11/2023
P	365m S	HUNTS BANK COMBINED SEWER OVERFLOW, HUNTS BANK APPROACH, MANCHESTER, GREATER MANCHESTER, M3 1UN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0176 Permit Version: 3 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 29/10/2019
P	365m S	HUNTS BANK COMBINED SEWER OVERFLOW, HUNTS BANK APPROACH, MANCHESTER, GREATER MANCHESTER, M3 1UN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0176 Permit Version: 4 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 30/10/2019 Effective Date: 30/10/2019 Revocation Date: -
O	378m SE	MILLER STREET/CORPORATION ST CSO, MILLER STREET, MANCHESTER, GREATER MANCHESTER, M4 4DY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0161 Permit Version: 2 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 10/01/2017

ID	Location	Address	Details	
O	378m SE	MILLER STREET/CORPORATION ST CSO, MILLER STREET, MANCHESTER, GREATER MANCHESTER, M4 4DY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0161 Permit Version: 1 Receiving Water: RIVER IRK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
O	378m SE	MILLER STREET/CORPORATION ST CSO, MILLER STREET, MANCHESTER, GREATER MANCHESTER, M4 4DY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0161 Permit Version: 3 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 11/01/2017 Effective Date: 11/01/2017 Revocation Date: -
R	386m W	FAIRY LANE CSO 281T3, FAIRY LANE CANON SLEIGH CLOSE, MANCHESTER, GREATER MANCHESTER, M8 8DD	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0066 Permit Version: 4 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 10/04/2018
R	387m W	BURY NEW RD LOCKETT ST CSO, ABA FASHIONS LTD, 2 SAGAR STREET, MANCHESTER, M8 8EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982899 Permit Version: 5 Receiving Water: RIVER IRWELL VIA SRF WTR SEWER	Status: VARIED UNDER EPR 2010 Issue date: 12/03/2018 Effective Date: 01/04/2018 Revocation Date: -
R	387m W	BURY NEW ROAD/WATERLOO ROAD CSO, 20-28 WATERLOO ROAD, MANCHESTER, GREATER MANCHESTER, M8 8GJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982984 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 23/10/2019 Effective Date: 23/10/2019 Revocation Date: -
R	387m W	FAIRY LANE CSO 281T3, FAIRY LANE CANON SLEIGH CLOSE, MANCHESTER, GREATER MANCHESTER, M8 8DD	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0066 Permit Version: 5 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 11/04/2018 Effective Date: 11/04/2018 Revocation Date: -
R	388m W	BURY NEW RD/TENERIFFE ST, SALFORD, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01SAL0025 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: REVOKED - UNSPECIFIED Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 21/03/2006

ID	Location	Address	Details	
O	388m SE	CORPORATION STREET CSO, CORPORATION STREET, NEAR JUNCTION WITH MILLER STREET, MANCHESTER, GREATER MANCHESTER, M60 0AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0159 Permit Version: 1 Receiving Water: RIVER IRK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
O	388m SE	CORPORATION STREET CSO, CORPORATION STREET, NEAR JUNCTION WITH MILLER STREET, MANCHESTER, GREATER MANCHESTER, M60 0AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0159 Permit Version: 4 Receiving Water: CULVERTED SEC OF RIVER IRK	Status: SURRENDERED UNDER EPR 2010 Issue date: 11/04/2018 Effective Date: 11/04/2018 Revocation Date: 15/11/2021
O	388m SE	CORPORATION STREET CSO, CORPORATION STREET, NEAR JUNCTION WITH MILLER STREET, MANCHESTER, GREATER MANCHESTER, M60 0AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0159 Permit Version: 2 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 21/03/2016
O	388m SE	CORPORATION STREET CSO, CORPORATION STREET, NEAR JUNCTION WITH MILLER STREET, MANCHESTER, GREATER MANCHESTER, M60 0AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0159 Permit Version: 3 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 22/03/2016 Effective Date: 22/03/2016 Revocation Date: 10/04/2018
R	388m W	BURY NEW ROAD SALFORD CSO, ADJACENT TO 218 BURY NEW ROAD, SALFORD, GREATER MANCHESTER, M8 8DY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993784 Permit Version: 2 Receiving Water: THE RIVER IRWELL VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 09/01/2020 Effective Date: 09/01/2020 Revocation Date: -
R	389m W	BURY NEW ROAD SALFORD CSO, ADJACENT TO 218 BURY NEW ROAD, SALFORD, GREATER MANCHESTER, M8 8DY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993784 Permit Version: 1 Receiving Water: THE RIVER IRWELL	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/03/2006 Effective Date: 21/03/2006 Revocation Date: 08/01/2020
R	396m W	SHERBORNE STREET CSO, SHERBORNE ST JUCT GRT DUCIE ST, MANCHESTER, M3 1EJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993836 Permit Version: 1 Receiving Water: THE RIVER IRWELL	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2006 Effective Date: 20/04/2006 Revocation Date: 31/03/2018

ID	Location	Address	Details	
R	396m W	BURY NEW RD LOCKETT ST CSO, ABA FASHIONS LTD, 2 SAGAR STREET, MANCHESTER, M8 8EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982899 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 11/05/1995 Revocation Date: 13/11/1995
R	396m W	BURY NEW RD LOCKETT ST CSO, ABA FASHIONS LTD, 2 SAGAR STREET, MANCHESTER, M8 8EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982899 Permit Version: 3 Receiving Water: RIVER IRWELL	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 14/11/1995 Effective Date: 14/11/1995 Revocation Date: 20/03/2006
R	396m W	BURY NEW RD LOCKETT ST CSO, ABA FASHIONS LTD, 2 SAGAR STREET, MANCHESTER, M8 8EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982899 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 10/05/1995
R	396m W	FAIRY LANE CSO 281T3, FAIRY LANE CANON SLEIGH CLOSE, MANCHESTER, GREATER MANCHESTER, M8 8DD	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0066 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 13/04/2009
R	396m W	BURY NEW RD LOCKETT ST CSO, ABA FASHIONS LTD, 2 SAGAR STREET, MANCHESTER, M8 8EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982899 Permit Version: 4 Receiving Water: RIVER IRWELL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 21/03/2006 Effective Date: 21/03/2006 Revocation Date: 31/03/2018
R	396m W	SHERBORNE STREET CSO, SHERBORNE ST JUCT GRT DUCIE ST, MANCHESTER, M3 1EJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0052 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 19/04/2006
R	396m W	FAIRY LANE CSO 281T3, FAIRY LANE CANON SLEIGH CLOSE, MANCHESTER, GREATER MANCHESTER, M8 8DD	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0066 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 14/04/2009 Effective Date: 14/04/2009 Revocation Date: 02/09/2010

ID	Location	Address	Details	
R	396m W	FAIRY LANE CSO 281T3, FAIRY LANE CANON SLEIGH CLOSE, MANCHESTER, GREATER MANCHESTER, M8 8DD	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0066 Permit Version: 3 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016
R	396m W	SHERBORNE STREET CSO, SHERBORNE ST JUCT GRT DUCIE ST, MANCHESTER, M3 1EJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993836 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 12/03/2018 Effective Date: 01/04/2018 Revocation Date: -
8	402m NW	BURY NEW ROAD/WATERLOO ROAD CSO, 20-28 WATERLOO ROAD, MANCHESTER, GREATER MANCHESTER, M8 8GJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982984 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 22/06/1995 Revocation Date: 22/10/2019
S	403m SE	HANOVER STREET CSO, HANOVER STREET/LONG MILL GATE, MANCHESTER, GREATER MANCHESTER, M3 1NX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0158 Permit Version: 2 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016
S	403m SE	HANOVER STREET CSO, HANOVER STREET/LONG MILL GATE, MANCHESTER, GREATER MANCHESTER, M3 1NX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0158 Permit Version: 1 Receiving Water: RIVER IRK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
S	407m S	HANOVER STREET CSO, HANOVER STREET/LONG MILL GATE, MANCHESTER, GREATER MANCHESTER, M3 1NX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0158 Permit Version: 3 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 26/02/2020
S	407m S	HANOVER STREET CSO, HANOVER STREET/LONG MILL GATE, MANCHESTER, GREATER MANCHESTER, M3 1NX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0158 Permit Version: 4 Receiving Water: RIVER IRK	Status: SURRENDERED UNDER EPR 2010 Issue date: 27/02/2020 Effective Date: 27/02/2020 Revocation Date: 15/12/2021

ID	Location	Address	Details	
T	429m S	LONG MILLGATE CSO, LONG MILLGATE, NEAR MANCHESTER CATHDRAL GARDENS, MANCHESTER CITY CENTRE, MANCHESTER, M3 1SB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993741 Permit Version: 2 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 23/10/2019 Effective Date: 23/10/2019 Revocation Date: -
T	442m S	LONG MILLGATE CSO, LONG MILLGATE, NEAR MANCHESTER CATHDRAL GARDENS, MANCHESTER CITY CENTRE, MANCHESTER, M3 1SB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993741 Permit Version: 1 Receiving Water: RIVER IRK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/06/2005 Effective Date: 01/06/2005 Revocation Date: 22/10/2019
T	442m S	LONG MILLGATE CSO, LONG MILLGATE, NEAR MANCHESTER CATHDRAL GARDENS, MANCHESTER CITY CENTRE, MANCHESTER, M3 1SB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0160 Permit Version: 1 Receiving Water: RIVER IRK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 31/05/2005
V	474m W	COTTENHAM LANE CSO 372RZ, COTTENHAM LANE, SALFORD, GREATER MANCHESTER, M3 7LJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01SAL0081 Permit Version: 3 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 30/08/2017 Effective Date: 24/08/2017 Revocation Date: 01/08/2018
V	474m W	COTTENHAM LANE CSO 372RZ, COTTENHAM LANE, SALFORD, GREATER MANCHESTER, M3 7LJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01SAL0081 Permit Version: 4 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 02/08/2018 Effective Date: 02/08/2018 Revocation Date: -
11	479m NW	BURY NEW ROAD SALFORD CSO, ADJACENT TO 218 BURY NEW ROAD, SALFORD, GREATER MANCHESTER, M8 8DY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01SAL0024 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 20/03/2006
V	484m W	COTTENHAM LANE CSO 372RZ, COTTENHAM LANE, SALFORD, GREATER MANCHESTER, M3 7LJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01SAL0081 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 14/04/2009 Effective Date: 14/04/2009 Revocation Date: 24/08/2017

ID	Location	Address	Details	
V	484m W	COTTENHAM LANE CSO 372RZ, COTTENHAM LANE, SALFORD, GREATER MANCHESTER, M3 7LJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01SAL0081 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 13/04/2009

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	9

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 53 >**

ID	Location	Details	
K	284m SE	Incident Date: 10/01/2002 Incident Identification: 51724 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
Q	384m N	Incident Date: 02/12/2010 Incident Identification: 841985 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
Q	384m N	Incident Date: 02/12/2010 Incident Identification: 841985 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
Q	384m N	Incident Date: 02/12/2010 Incident Identification: 841985 Pollutant: Specific Waste Materials Pollutant Description: Contaminated Soil	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
Q	384m N	Incident Date: 02/12/2010 Incident Identification: 841985 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
9	428m SW	Incident Date: 02/08/2001 Incident Identification: 21338 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)
V	480m W	Incident Date: 25/07/2002 Incident Identification: 94305 Pollutant: Specific Waste Materials:Specific Waste Materials Pollutant Description: Asbestos:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
V	480m W	Incident Date: 25/07/2002 Incident Identification: 94305 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
V	480m W	Incident Date: 25/07/2002 Incident Identification: 94305 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)

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.

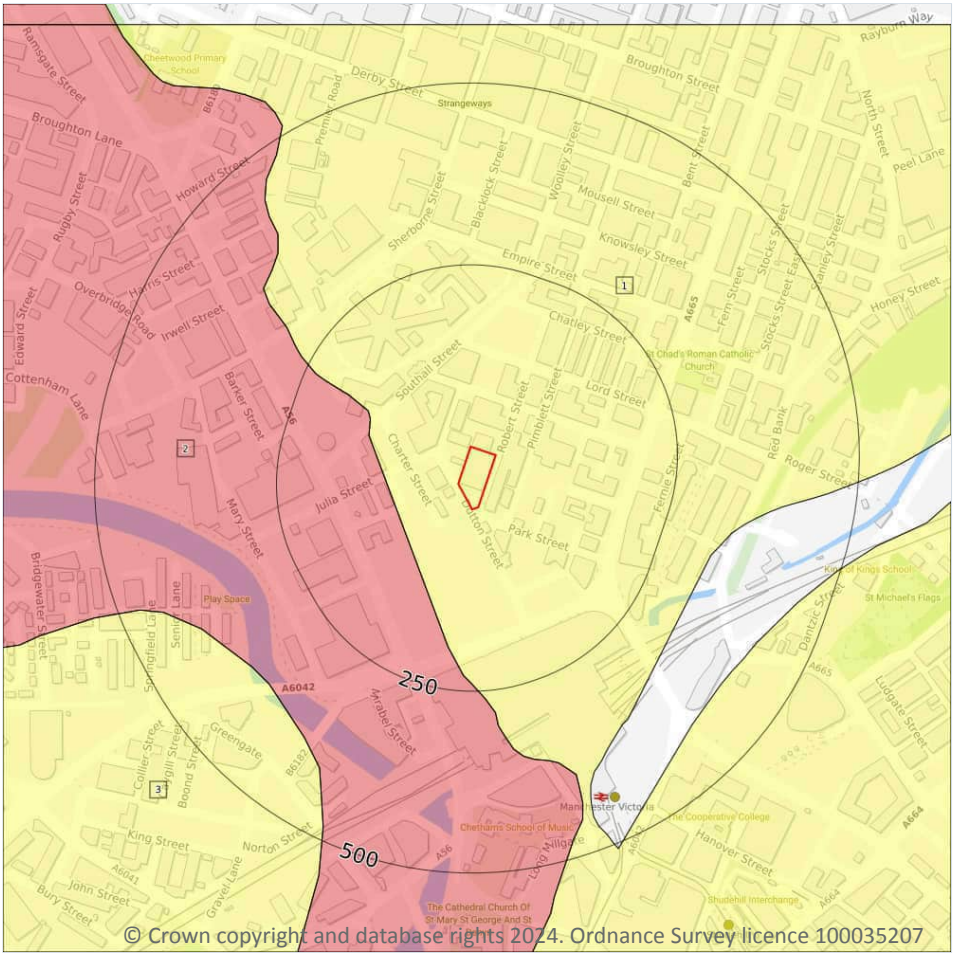
4.21 Pollution inventory radioactive waste

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	3

Aquifer status of groundwater held within superficial geology.

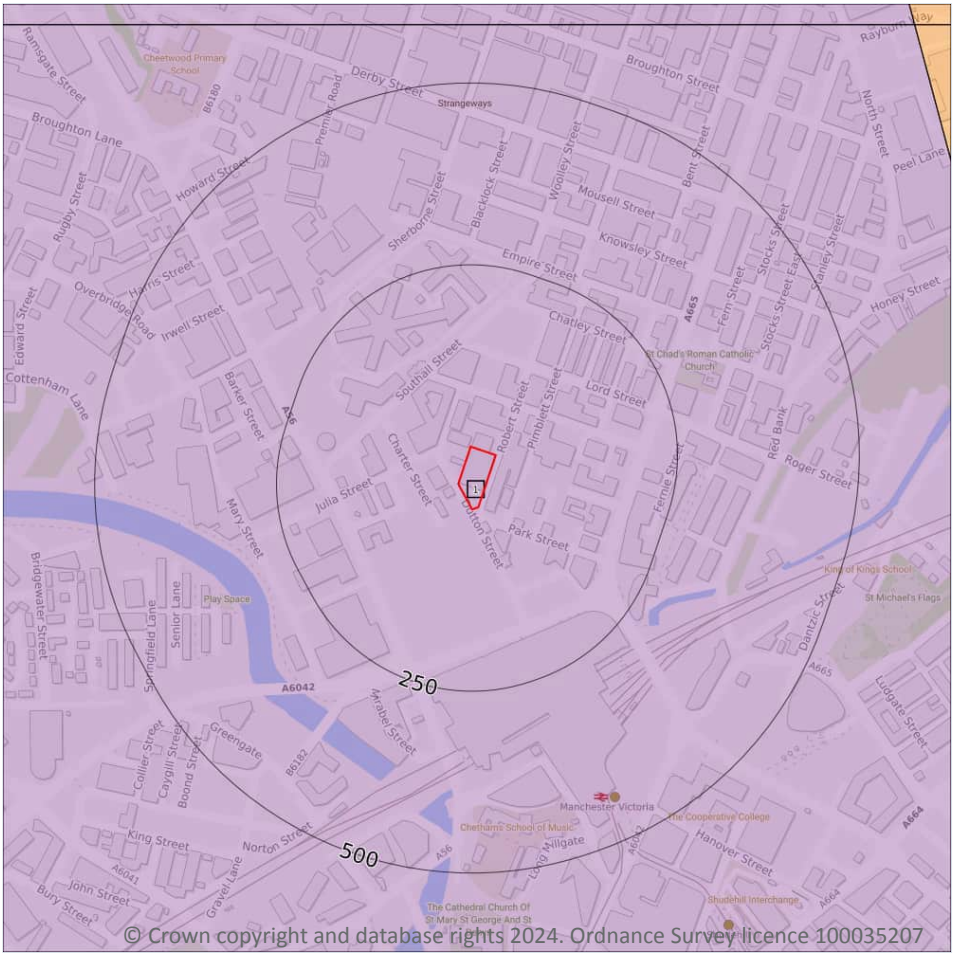
Features are displayed on the Hydrogeology map on **page 70 >**

ID	Location	Designation	Description
1	**On site**	**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**
2	92m 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

ID	Location	Designation	Description
3	368m SW	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



5.2 Bedrock aquifer

Records within 500m	1

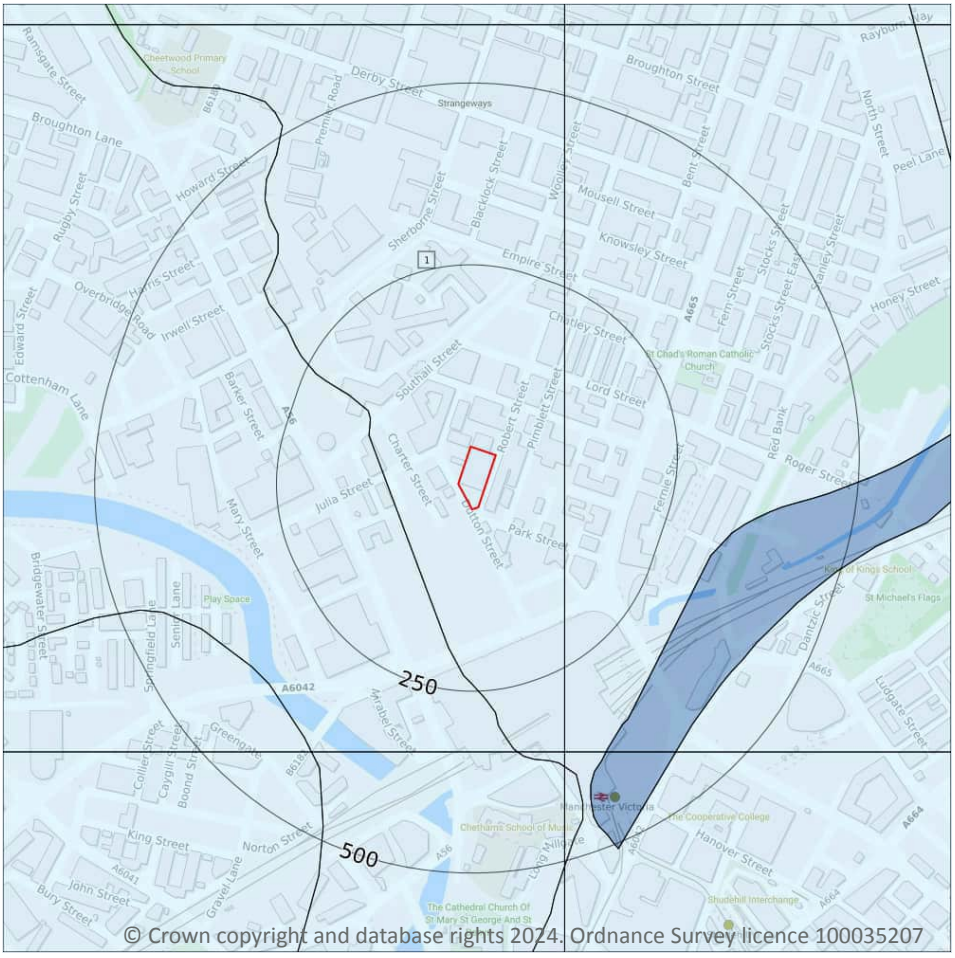
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 72 >**

ID	Location	Designation	Description
1	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

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 73 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	**Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed**

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.

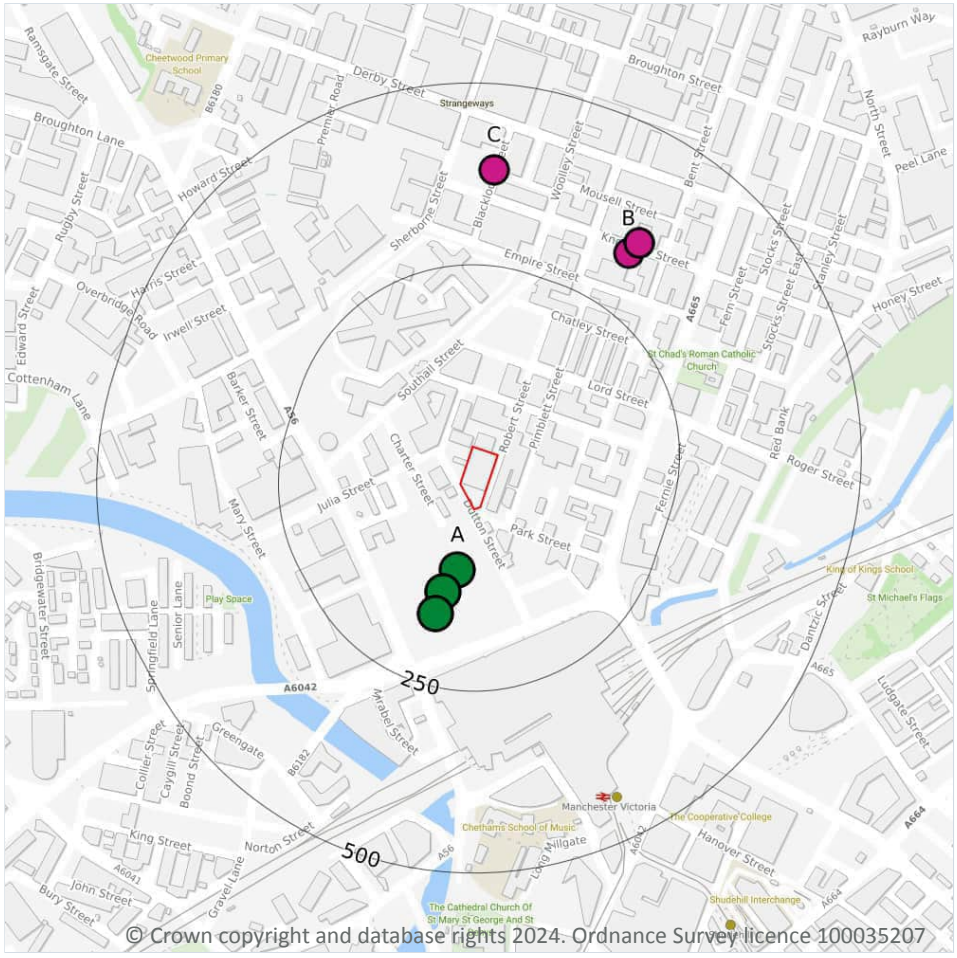
5.5 Groundwater vulnerability- local information

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



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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
- 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	43

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 75 >**

ID	Location	Details	
A	86m S	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
A	86m S	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
A	86m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	86m S	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
A	86m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	86m S	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	121m S	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
A	121m S	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -

ID	Location	Details	
A	121m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	121m S	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	121m S	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	121m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
A	152m S	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
A	152m S	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
A	152m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	152m S	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
A	152m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	152m S	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
B	330m NE	Status: Active Licence No: 2569004011 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384085 Northing: 399685	Annual Volume (m^3): 75000 Max Daily Volume (m^3): 300 Original Application No: NPS/WR/037017 Original Start Date: 17/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 29/06/2023 Version End Date: -
B	351m NE	Status: Historical Licence No: 2569004011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 181.84 Original Application No: 0423 Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -

ID	Location	Details	
B	351m NE	Status: Historical Licence No: 2569004011 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 181.84 Original Application No: 0423 Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
B	351m NE	Status: Historical Licence No: 2569004011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3" Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
B	351m NE	Status: Historical Licence No: 2569004011 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3" Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
C	381m N	Status: Historical Licence No: 2569004021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, DERBY STREET, CHEETHAM, MANCHESTER Data Type: Point Name: LANCASHIRE DAIRIES LTD Easting: 383900 Northing: 399800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1993 Version End Date: -

ID	Location	Details	
C	381m N	Status: Historical Licence No: 2569004021 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, DERBY STREET, CHEETHAM, MANCHESTER Data Type: Point Name: LANCASHIRE DAIRIES LTD Easting: 383900 Northing: 399800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1993 Version End Date: -
-	656m S	Status: Active Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DIAL HOUSE CHAPEL STREET SALFORD Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 383700 Northing: 398700	Annual Volume (m^3): 45 Max Daily Volume (m^3): 30 Original Application No: 2333 Original Start Date: 27/01/1971 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2007 Version End Date: -
-	656m S	Status: Historical Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DIAL HOUSE, CHAPEL ST, SALFORD" Data Type: Point Name: BRITISH TELECOM Easting: 383700 Northing: 398700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1971 Version End Date: -
-	656m S	Status: Historical Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DIAL HOUSE, CHAPEL ST, SALFORD Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 383700 Northing: 398700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 101 Version Start Date: 01/04/1984 Version End Date: -

ID	Location	Details	
-	1156m SW	Status: Historical Licence No: 2569007089 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: 2 BOREHOLES AT GARTSIDE STREET MANCHESTER Data Type: Line Name: HER MAJESTY'S COURT SERVICE Easting: 383335 Northing: 398310	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1179 Original Application No: - Original Start Date: 26/01/2005 Expiry Date: 31/03/2011 Issue No: 2 Version Start Date: 10/07/2008 Version End Date: -
-	1295m NE	Status: Active Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10 Data Type: Point Name: Packaging Products (Coatings) Ltd Easting: 385000 Northing: 400100	Annual Volume (m^3): 438689 Max Daily Volume (m^3): 1636.56 Original Application No: NPS/WR/006003 Original Start Date: 16/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/02/2011 Version End Date: -
-	1295m NE	Status: Historical Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10" Data Type: Point Name: PACKAGING PRODUCTS LTD Easting: 385000 Northing: 400100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1995 Version End Date: -
-	1352m S	Status: Historical Licence No: 2569007069 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT GEORGE ST, MANCHESTER" Data Type: Point Name: BRITISH TELECOM Easting: 384100 Northing: 398000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1971 Version End Date: -

ID	Location	Details	
-	1352m S	Status: Historical Licence No: 2569007069 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT GEORGE ST, MANCHESTER Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 384100 Northing: 398000	Annual Volume (m^3): 1100 Max Daily Volume (m^3): 860 Original Application No: - Original Start Date: 01/04/1984 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -
-	1443m SW	Status: Historical Licence No: NW/069/0004/019 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: Ground Water - North West Region Point: ST JOHNS MANCHESTER Data Type: Poly4 Name: Manchester Quays Development (MGY) Ltd Easting: 383094 Northing: 398099	Annual Volume (m^3): 543120 Max Daily Volume (m^3): 1488 Original Application No: - Original Start Date: 13/09/2019 Expiry Date: 31/12/2020 Issue No: 1 Version Start Date: 13/09/2019 Version End Date: -
-	1648m SW	Status: Active Licence No: NW/069/0004/021 Details: Heat Pump Direct Source: Ground Water - North West Region Point: CHESTER FORMATION AT SCIENCE MUSEUM (A) Data Type: Point Name: Science Museum Group Easting: 383198 Northing: 397829	Annual Volume (m^3): 346000 Max Daily Volume (m^3): 1728 Original Application No: NPS/WR/035329 Original Start Date: 31/03/2023 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 31/03/2023 Version End Date: -
-	1657m SW	Status: Active Licence No: NW/069/0004/021 Details: Heat Pump Direct Source: Ground Water - North West Region Point: CHESTER FORMATION AT SCIENCE MUSEUM (B) Data Type: Point Name: Science Museum Group Easting: 383143 Northing: 397845	Annual Volume (m^3): 346000 Max Daily Volume (m^3): 1728 Original Application No: NPS/WR/035329 Original Start Date: 31/03/2023 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 31/03/2023 Version End Date: -
-	1678m S	Status: Historical Licence No: NW0690006001 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLES AT ORIGIN DEVELOPMENTS, MANCHESTER Data Type: Point Name: West Contracting Easting: 384378 Northing: 397733	Annual Volume (m^3): 139128 Max Daily Volume (m^3): 1010 Original Application No: - Original Start Date: 19/01/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 19/01/2009 Version End Date: -

ID	Location	Details	
-	1678m S	Status: Historical Licence No: NW/069/0006/001 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLES AT ORIGIN DEVELOPMENTS, MANCHESTER Data Type: Point Name: West Contracting Easting: 384378 Northing: 397733	Annual Volume (m^3): 139128 Max Daily Volume (m^3): 1010 Original Application No: - Original Start Date: 19/01/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 19/01/2009 Version End Date: -
-	1899m SW	Status: Active Licence No: NW/069/0004/022 Details: Dewatering Direct Source: Ground Water - North West Region Point: ABSTRACTION AREA AT TRINITY ISLANDS, MANCHESTER Data Type: Poly4 Name: Renaker Build Ltd Easting: 382705 Northing: 397822	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/036441 Original Start Date: 05/09/2023 Expiry Date: 31/10/2024 Issue No: 1 Version Start Date: 05/09/2023 Version End Date: -
-	1903m W	Status: Historical Licence No: 2569004046 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT SEAFORD ROAD, SALFORD" Data Type: Point Name: VITA INDUSTRIAL POLYMERS LIMITED Easting: 382000 Northing: 399800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1989 Expiry Date: - Issue No: 101 Version Start Date: 30/05/2001 Version End Date: -
-	1903m W	Status: Historical Licence No: 2569004046 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT SEAFORD ROAD, SALFORD Data Type: Point Name: VITA INDUSTRIAL POLYMERS LIMITED Easting: 382000 Northing: 399800	Annual Volume (m^3): 15000 Max Daily Volume (m^3): 196.3 Original Application No: - Original Start Date: 26/05/1989 Expiry Date: - Issue No: 101 Version Start Date: 30/05/2001 Version End Date: -

ID	Location	Details	
-	1959m SW	Status: Active Licence No: 2569007085 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT HOPE STREET, SALFORD, MANCHESTER Data Type: Point Name: CEMEX UK MATERIALS LTD Easting: 382190 Northing: 398330	Annual Volume (m^3): 23000 Max Daily Volume (m^3): 115 Original Application No: NPS/WR/030716 Original Start Date: 01/11/2000 Expiry Date: - Issue No: 4 Version Start Date: 21/12/2018 Version End Date: -
-	1959m SW	Status: Historical Licence No: 2569007085 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT HOPE STREET, SALFORD, MANCHESTER" Data Type: Point Name: READY MIXED CONCRETE (NORTH WEST) LIMITED Easting: 382190 Northing: 398330	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/11/2000 Expiry Date: - Issue No: 1 Version Start Date: 01/11/2000 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	0

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.

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

5.8 Potable abstractions

Records within 2000m	10

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.

Features are displayed on the Abstractions and Source Protection Zones map on **page 75 >**

ID	Location	Details	
A	86m S	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
A	86m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	86m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	121m S	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -

ID	Location	Details	
A	121m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	121m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
A	152m S	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
A	152m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
A	152m S	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
C	381m N	Status: Historical Licence No: 2569004021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, DERBY STREET, CHEETHAM, MANCHESTER Data Type: Point Name: LANCASHIRE DAIRIES LTD Easting: 383900 Northing: 399800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1993 Version End Date: -

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.

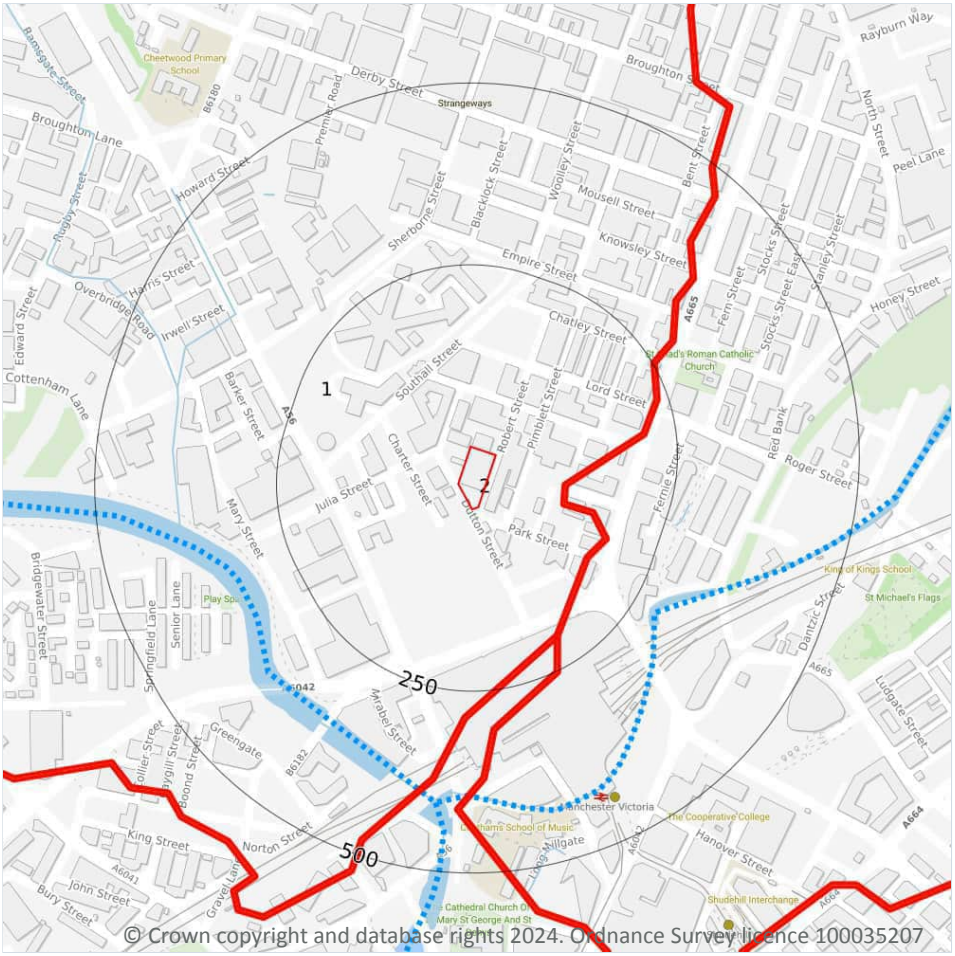
5.10 Source Protection Zones (confined aquifer)

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



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 90 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Irwell (Croal to Irk)**	**GB112069061451**	**Croal Irwell**	**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 90 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
9	330m SW	River	Irwell (Croal to Irk)	GB112069061451 ↗	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 90 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	**On site**	**Manchester and East Cheshire Permo-Triassic Sandstone Aquifers**	**GB41201G101100** ↗	**Poor**	**Poor**	**Poor**	**2019**

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

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	1

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).

Features are displayed on the River and coastal flooding map on **page 93 >**

Distance	Flood risk category
On site	**N/A**
0 - 50m	Low

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

7.2 Historical Flood Events

Records within 250m	**2**

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.

Features are displayed on the River and coastal flooding map on **page 93 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
10	170m W	Irwe	1866-11-01 1866-11-02	Main river	Channel capacity exceeded (no raised defences)	Fluvial
14	204m W	Irwe	1946-09-20 1946-09-21	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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



Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

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.

Features are displayed on the River and coastal flooding map on **page 93 >**

Location	Type
50m SW	Zone 2 - (Fluvial /Tidal Models)

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

8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

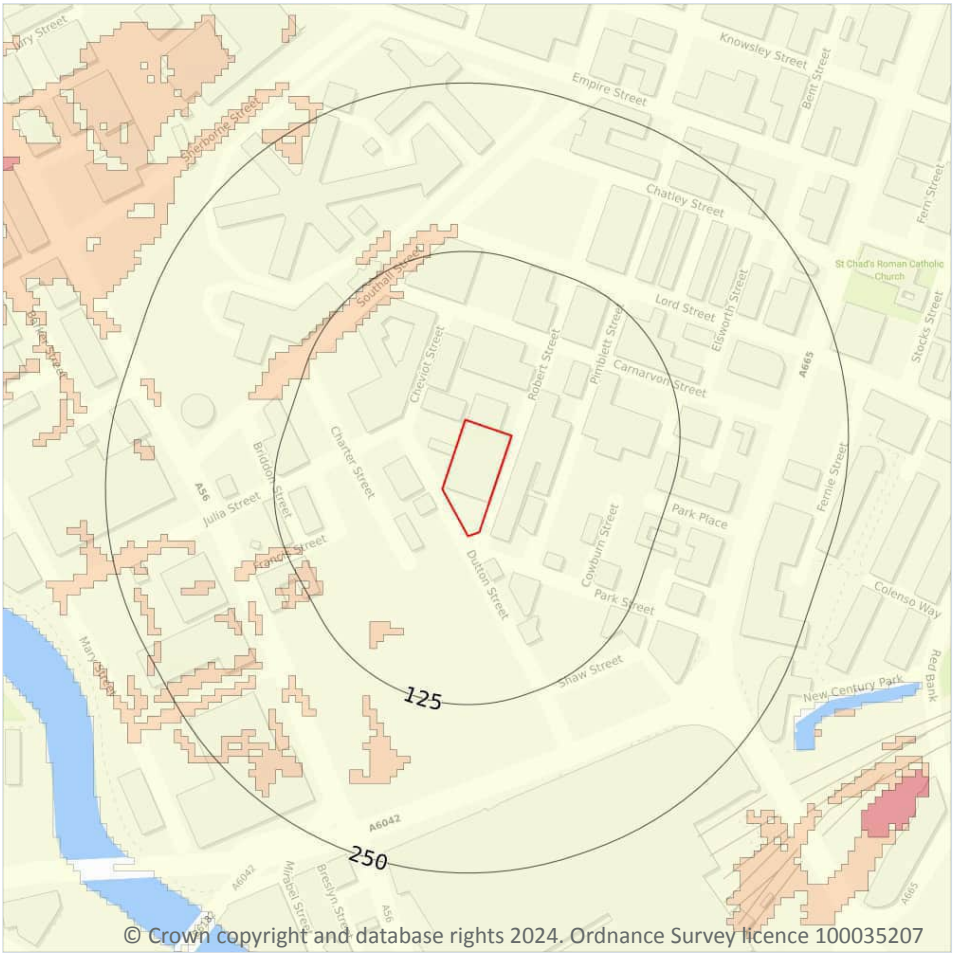
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year 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.

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	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

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 99 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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.

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	0

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.

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	0

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

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 fell 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

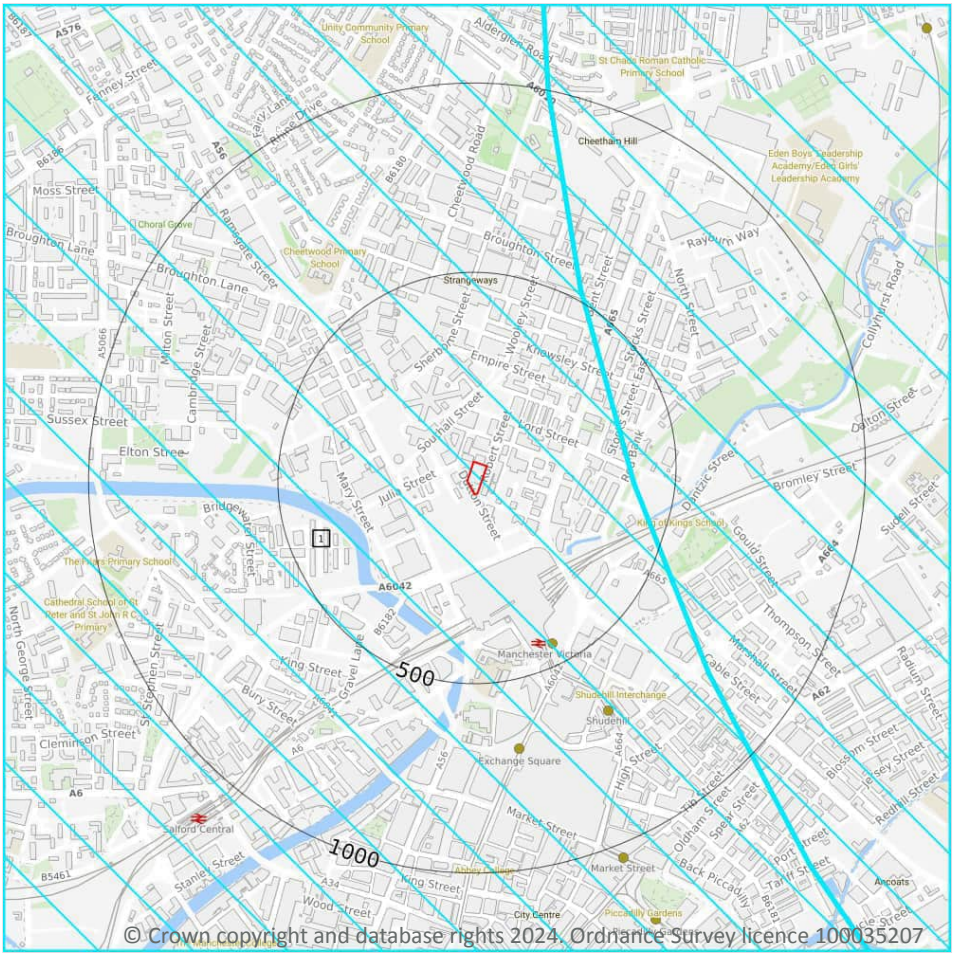
Records within 2000m	5

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.

Location	Name	Type	NVZ ID	Status
On site	**River Irk (Moston Brook to River Irwell) NVZ**	**Surface Water**	**638**	**Existing**
On site	**Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ**	**Surface Water**	**643**	**Existing**
187m E	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing
268m NE	Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ	Surface Water	643	Existing
1938m N	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing

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	1

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 104 >**

ID	Location	Type of developments requiring consultation
1	On site	**Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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.

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	5

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 106 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	129m NW	Gatehouse Of Hmp Manchester	II	1254670	03/10/1974
2	159m SE	Former Synagogue	II	1208420	03/10/1974
3	203m NW	Main Prison Block Of Hmp Manchester	II	1254636	03/10/1974
4	215m N	The Tower Of Hmp Manchester	II	1254672	03/10/1974
5	249m N	Former Boys Prison Block Of Hmp Manchester	II	1254635	03/10/1974

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.

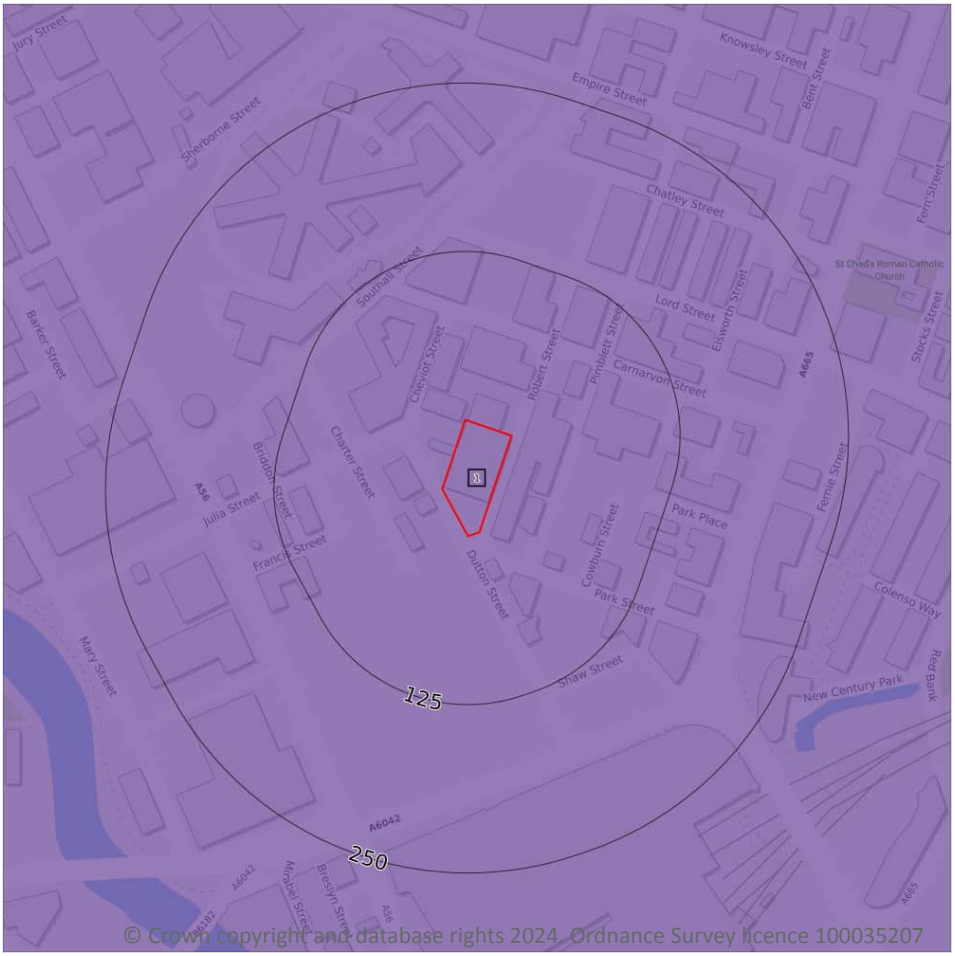
11.7 Registered Parks and Gardens

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 109 >**

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

13.1 Priority Habitat Inventory

Records within 250m	0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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.

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.

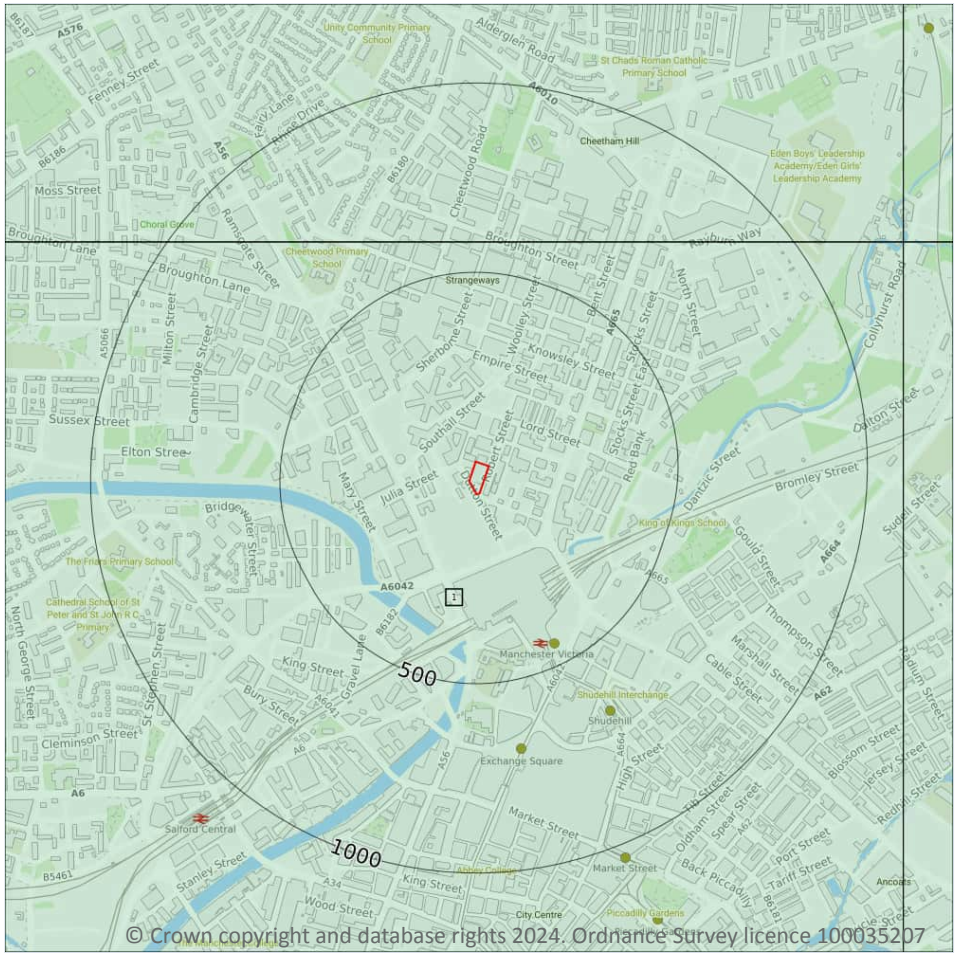
13.4 Limestone Pavement Orders

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	1

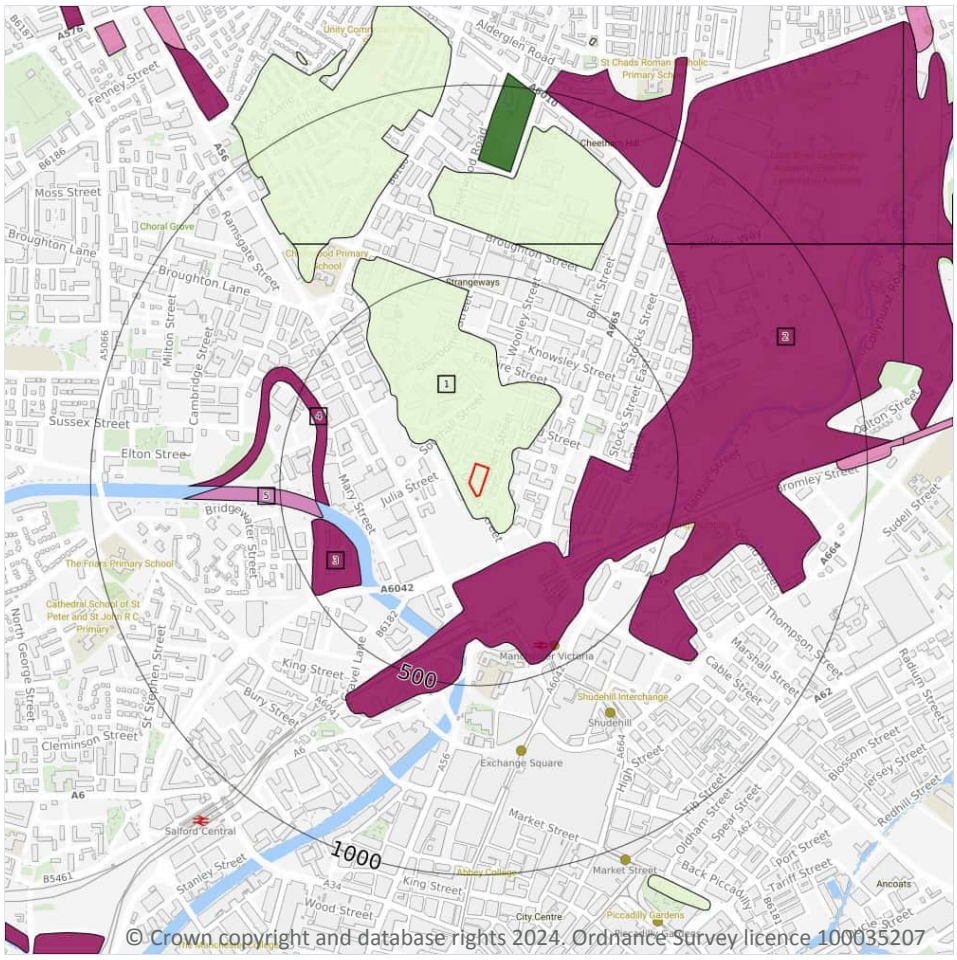
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 112 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SJ89NW**

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.

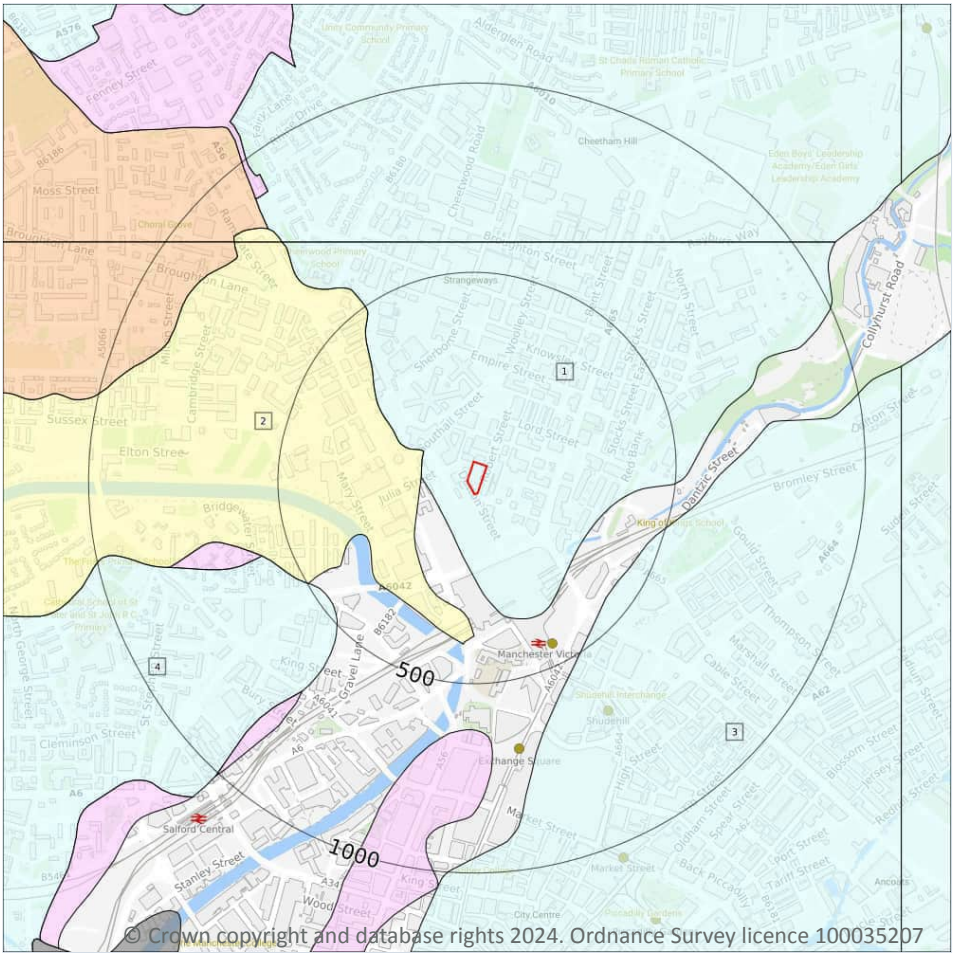
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 113 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
2	179m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	345m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	374m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	396m W	WGR-VOID	Worked Ground (Undivided)	Void

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 115 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**Till, Devensian - Diamicton**	**Diamicton**
2	122m W	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	436m SE	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
4	472m SW	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

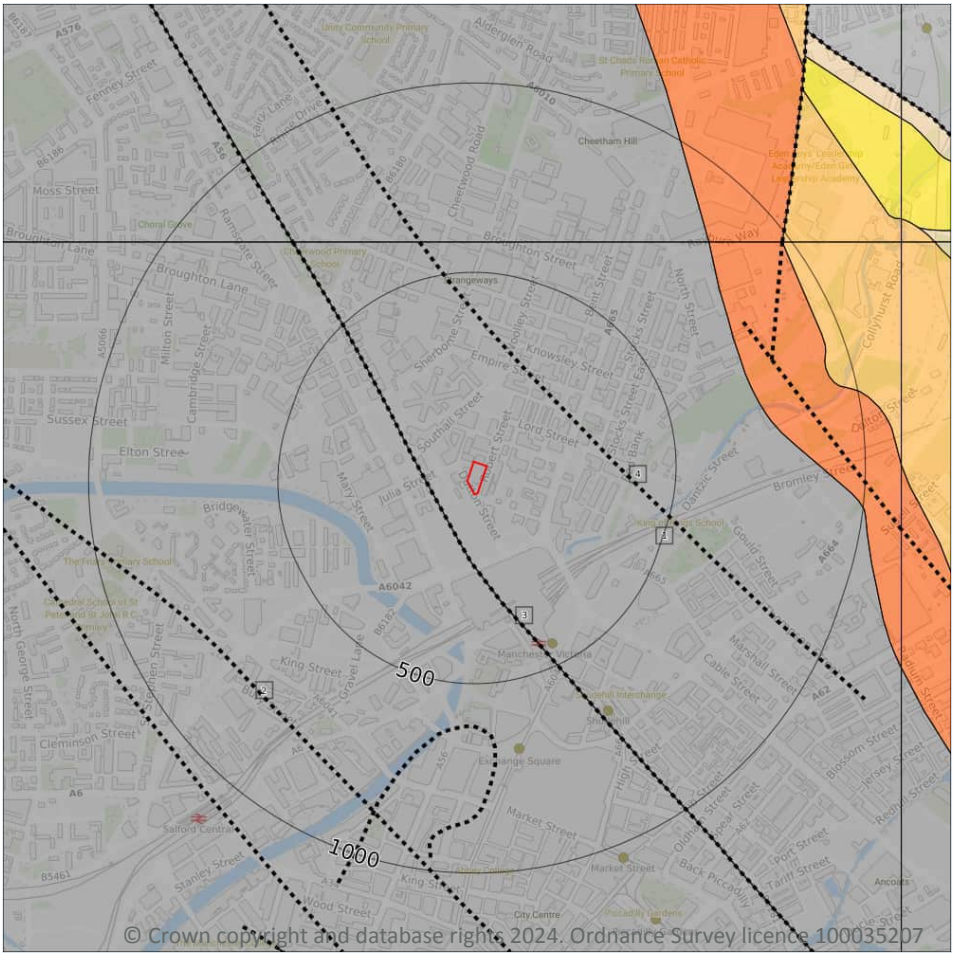
14.4 Landslip (10k)

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	2

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 117 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**CPB-SDST**	**Chester Pebble Beds Formation - Sandstone**	**Early Triassic Epoch**
2	95m SW	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	2

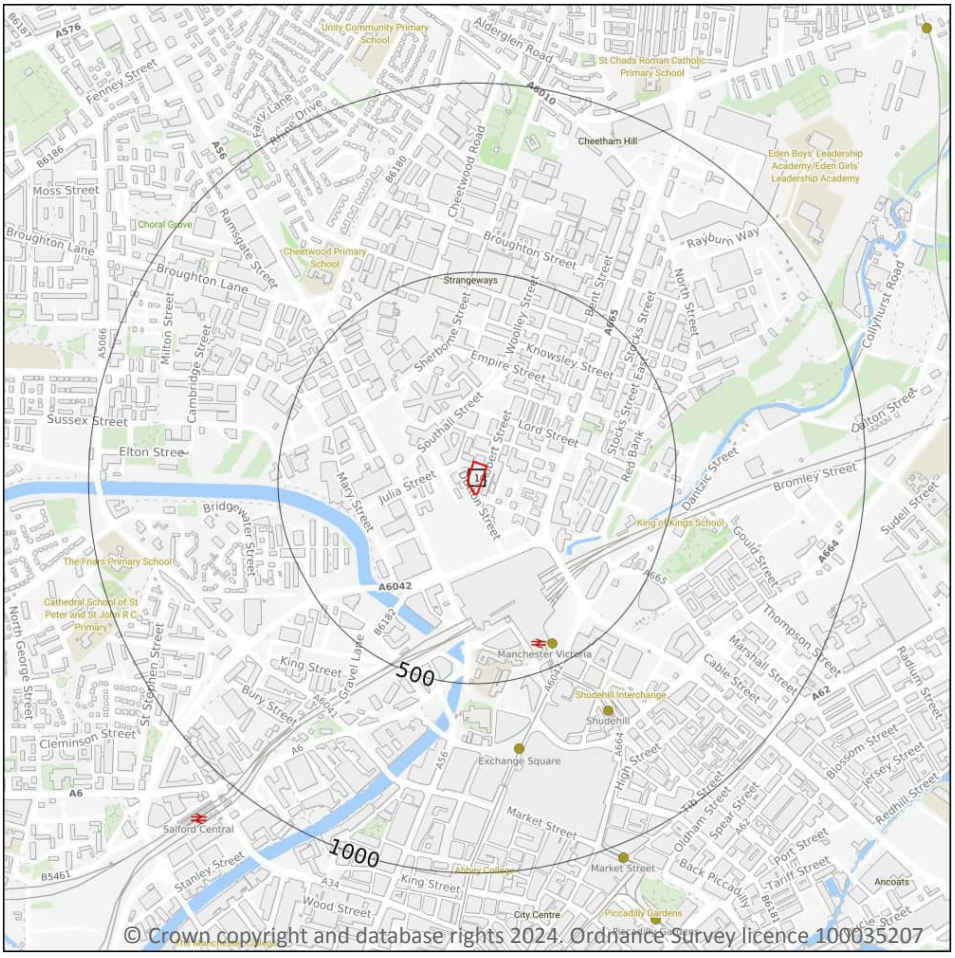
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 117 >**

ID	Location	Category	Description
3	95m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
4	250m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



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Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

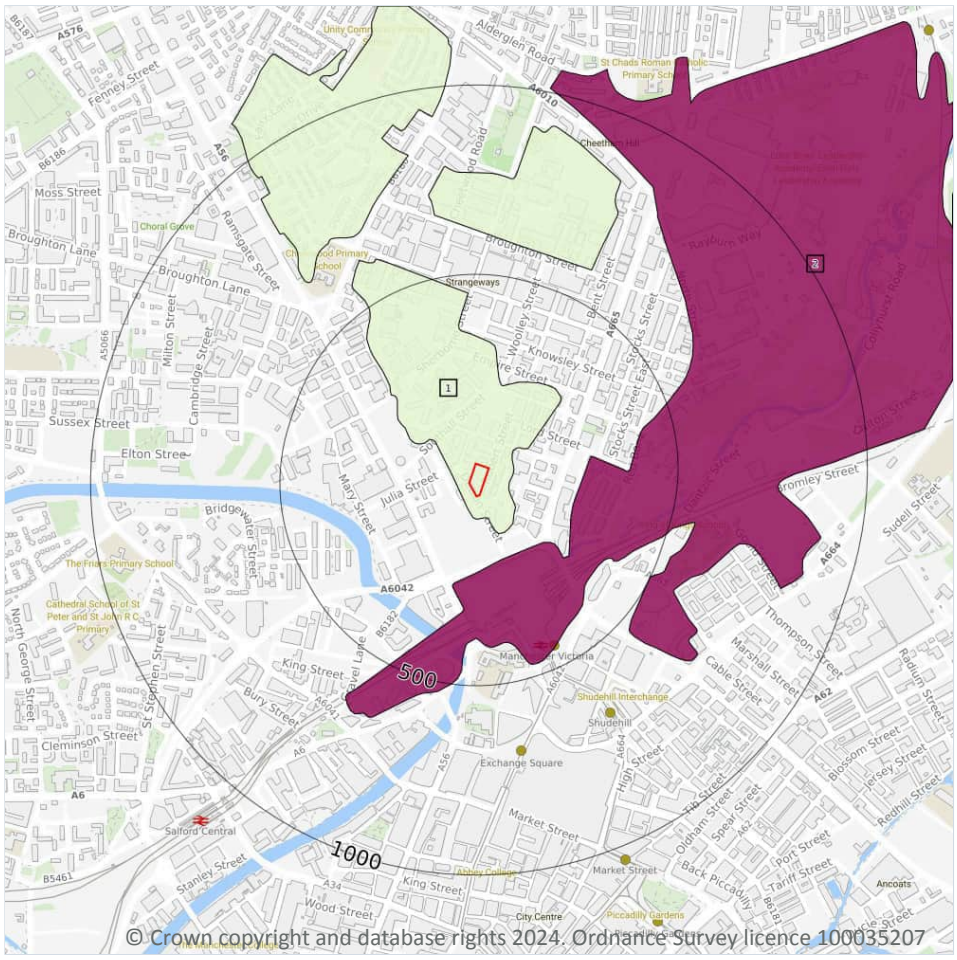
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 119 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**EW085_manchester_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	2

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.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 120 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**INFILLED GROUND**	**ARTIFICIAL DEPOSIT**
2	179m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

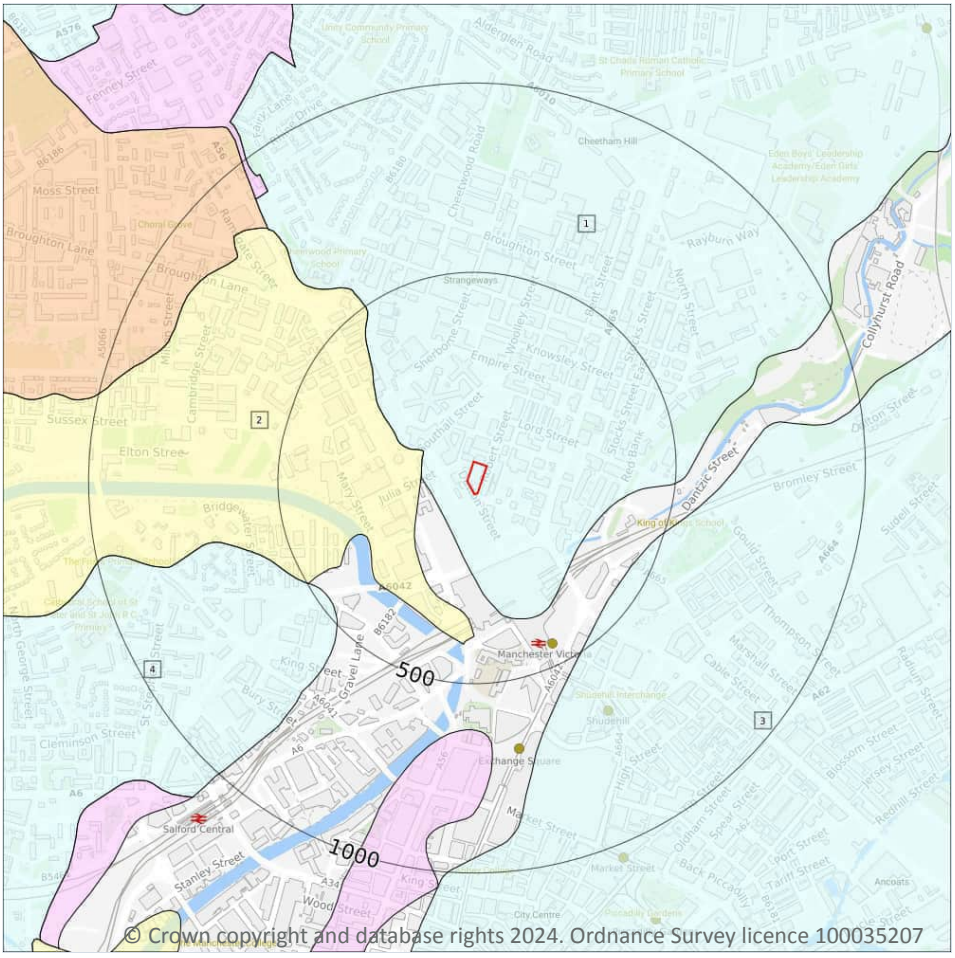
Records within 50m	1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Very High**	**Low**

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 **4**

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 122 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**TILL, DEVENSIAN**	**DIAMICTON**
2	122m W	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	443m SE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

ID	Location	LEX Code	Description	Rock description
4	472m SW	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	**Mixed**	**High**	**Low**

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.

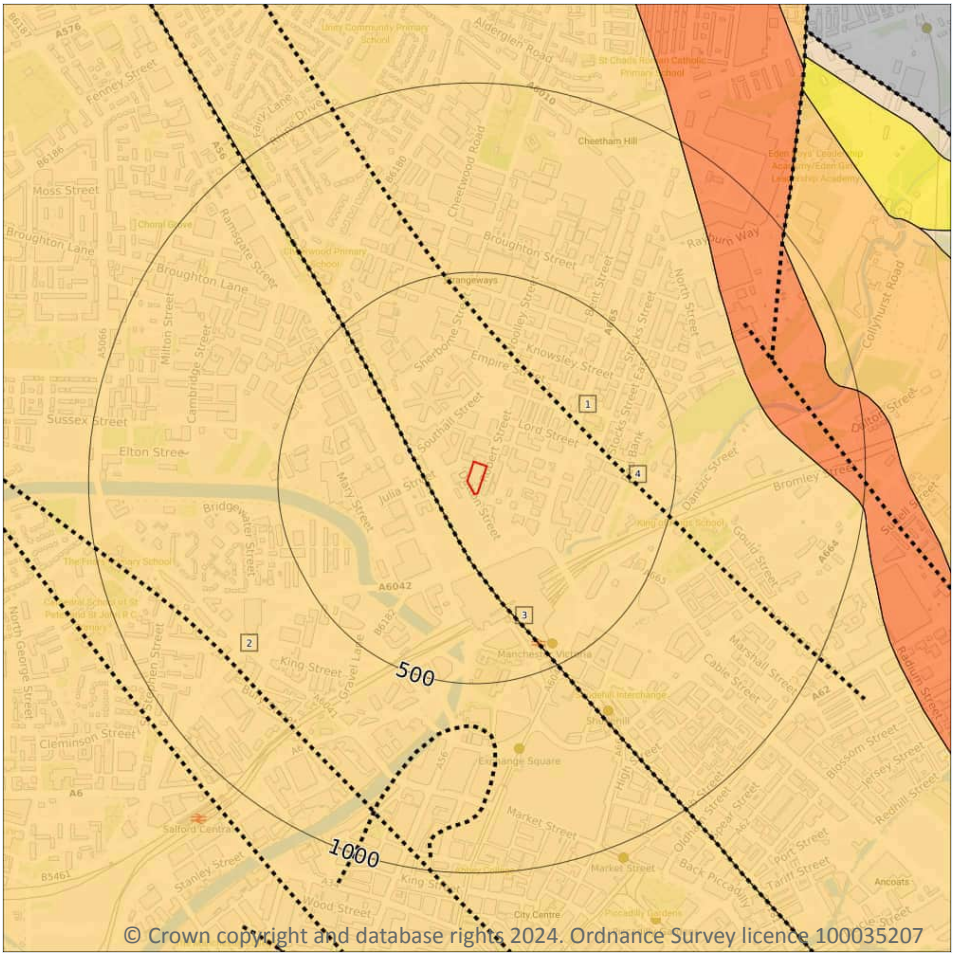
15.7 Landslip permeability (50k)

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	2

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 124 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**CHES-SDST**	**CHESTER FORMATION - SANDSTONE**	**OLENEKIAN**
2	95m SW	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN

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	**Mixed**	**High**	**Moderate**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	2

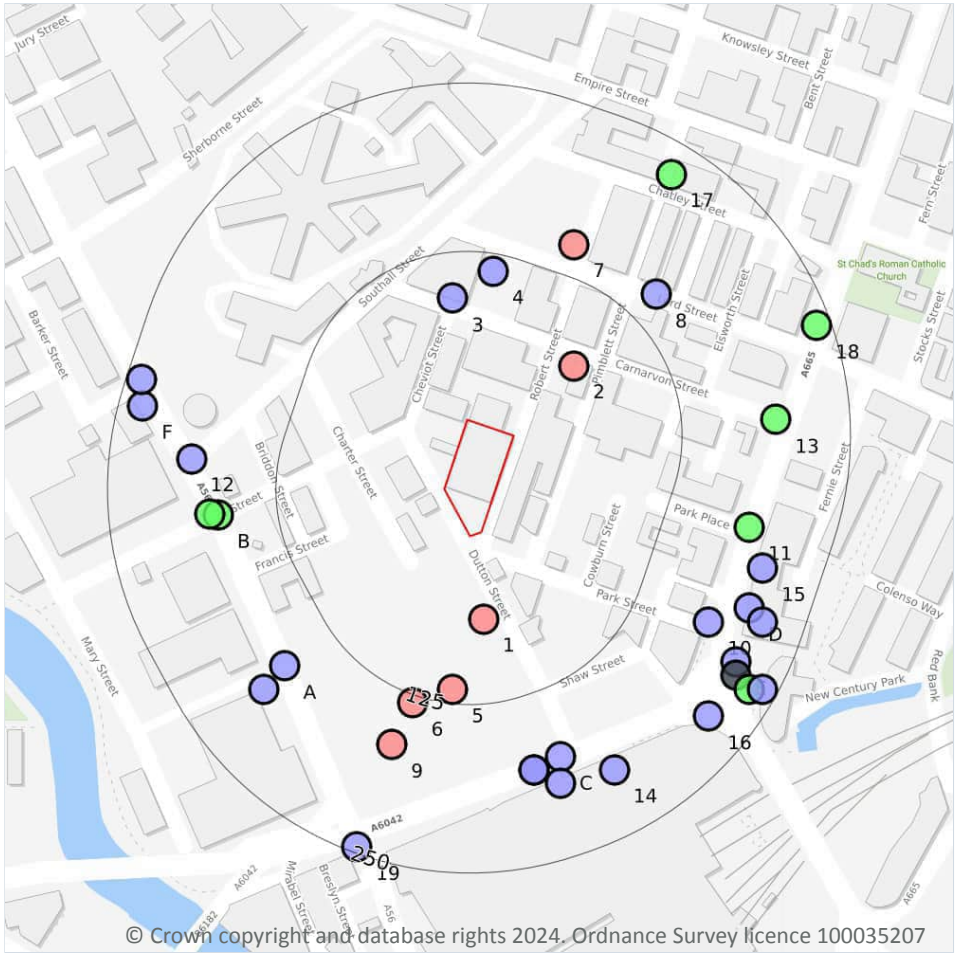
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 124 >**

ID	Location	Category	Description
3	95m SW	FAULT	Fault, inferred
4	250m NE	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



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16.1 BGS Boreholes

Records within 250m	35

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 126 >**

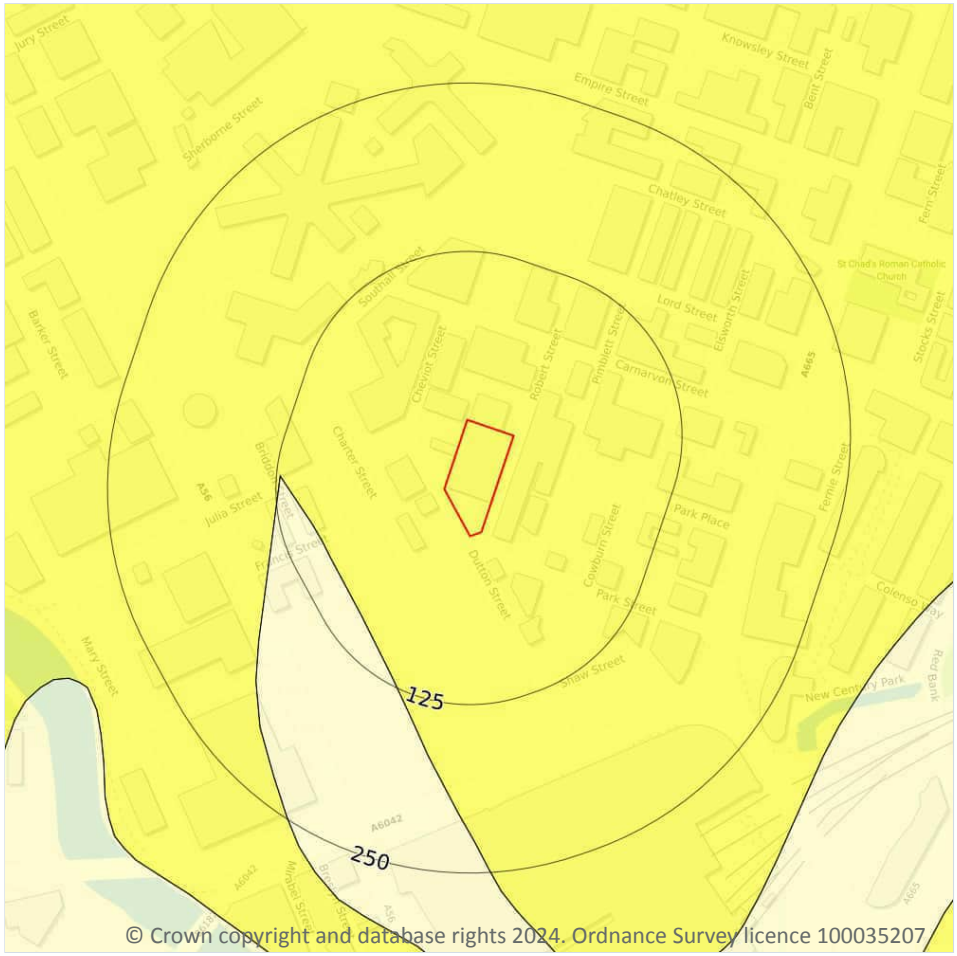
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	62m S	383883 399272	LOMAS & BRADBURY	127.41	N	1042339 ↗
2	69m NE	383950 399460	GREAT DUCIE STREET MANCHESTER	80.0	N	1042858 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	91m N	383860 399510	CARNARVON STREET STRANGEWAYS 2/2A	9.8	N	1043408 ↗
4	112m N	383890 399530	CARNARVON STREET STRANGEWAYS 1	9.8	N	1043407 ↗
5	114m S	383860 399220	BODDINGTONS BREWERY	74.68	N	1045458 ↗
6	131m S	383830 399210	BODDINGTONS BREWERY	96.93	N	1045457 ↗
7	149m NE	383950 399550	BODDINGTONS LORD STREET	88.0	N	1043314 ↗
8	149m NE	384011 399513	MANCHESTER CORP. H.SEWER	9.45	N	1042191 ↗
9	165m S	383815 399179	STRANGEWAYS BREWERY	69.8	N	1042340 ↗
A	168m SW	383735 399237	MANCHESTER CORP. G.SEWER	6.25	N	1042216 ↗
B	169m W	383686 399349	MANCHESTER CORP. GREAT DUCIE STREET	10.06	N	1042217 ↗
B	175m W	383680 399350	MANCHESTER G SEWER 11	10.4	N	1043666 ↗
C	176m S	383940 399170	MANCHESTER INN. RELIEF ROAD 10	6.1	N	1042699 ↗
C	180m S	383920 399160	MANCHESTER INN. RELIEF ROAD 9B	6.0	N	1042698 ↗
C	180m S	383920 399160	MANCHESTER INN. RELIEF ROAD 9	2.1	N	1042697 ↗
10	181m SE	384050 399270	CHEETHAM HILL ROAD SEWER REPLACEMENT 1	9.5	N	1045643 ↗
11	187m E	384080 399340	CHEETHAM HILL ROAD SEWER REPLACEMENT 2	10.95	N	1045644 ↗
12	189m W	383666 399391	MANCHESTER CORP. GREAT DUCIE STREET	5.18	N	1042218 ↗
A	190m SW	383720 399220	MANCHESTER G SEWER 10	7.6	N	1043665 ↗
13	195m E	384100 399420	CHEETHAM HILL ROAD SEWER REPLACEMENT 3	10.5	N	1045645 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
C	195m S	383940 399150	MANCHESTER INN. RELIEF ROAD 11	6.0	N	1042700 ↗
14	202m SE	383980 399160	MANCHESTER INN. RELIEF ROAD 8	6.1	N	1042696 ↗
15	206m E	384090 399310	MANCHESTER INN. RELIEF ROAD 1	7.1	N	1042689 ↗
D	206m SE	384080 399280	MANCHESTER INN. RELIEF ROAD 2	5.1	N	1042690 ↗
E	212m SE	384070 399240	MANCHESTER INN. RELIEF ROAD 4	5.1	N	1042692 ↗
E	217m SE	384070 399230	CHEETHAM HILL ROAD MAIN DRAINAGE	-	Y	N/A
16	217m SE	384050 399200	MANCHESTER INN. RELIEF ROAD 7	6.0	N	1042695 ↗
D	219m SE	384090 399270	MANCHESTER INN. RELIEF ROAD 3	5.1	N	1042691 ↗
17	226m NE	384022 399602	MANCHESTER CORP. H.SEWER	10.36	N	1042190 ↗
E	230m SE	384080 399220	CITY CENTRE - PHASE 2 34	19.0	N	1043532 ↗
F	232m W	383630 399430	MANCHESTER G SEWER 11A	6.0	N	1043653 ↗
E	239m SE	384090 399220	MANCHESTER INN. RELIEF ROAD 5	8.0	N	1042693 ↗
F	239m W	383629 399450	MANCHESTER CORP. GREAT DUCIE STREET	4.57	N	1042219 ↗
18	239m NE	384130 399490	CHEETHAM HILL ROAD SEWER REPLACEMENT 4	10.95	N	1045646 ↗
19	245m S	383789 399103	MANCHESTER CORP. G.SEWER	7.01	N	1042215 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	1

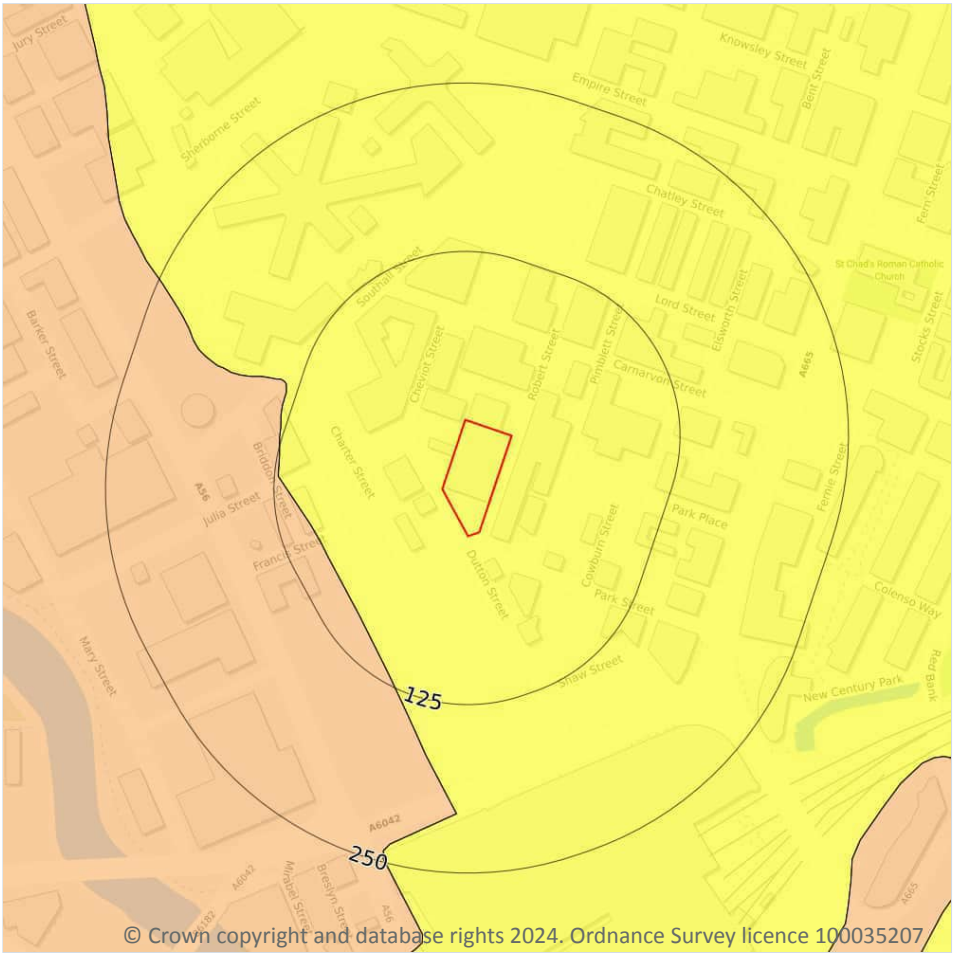
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 129 >**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m	1

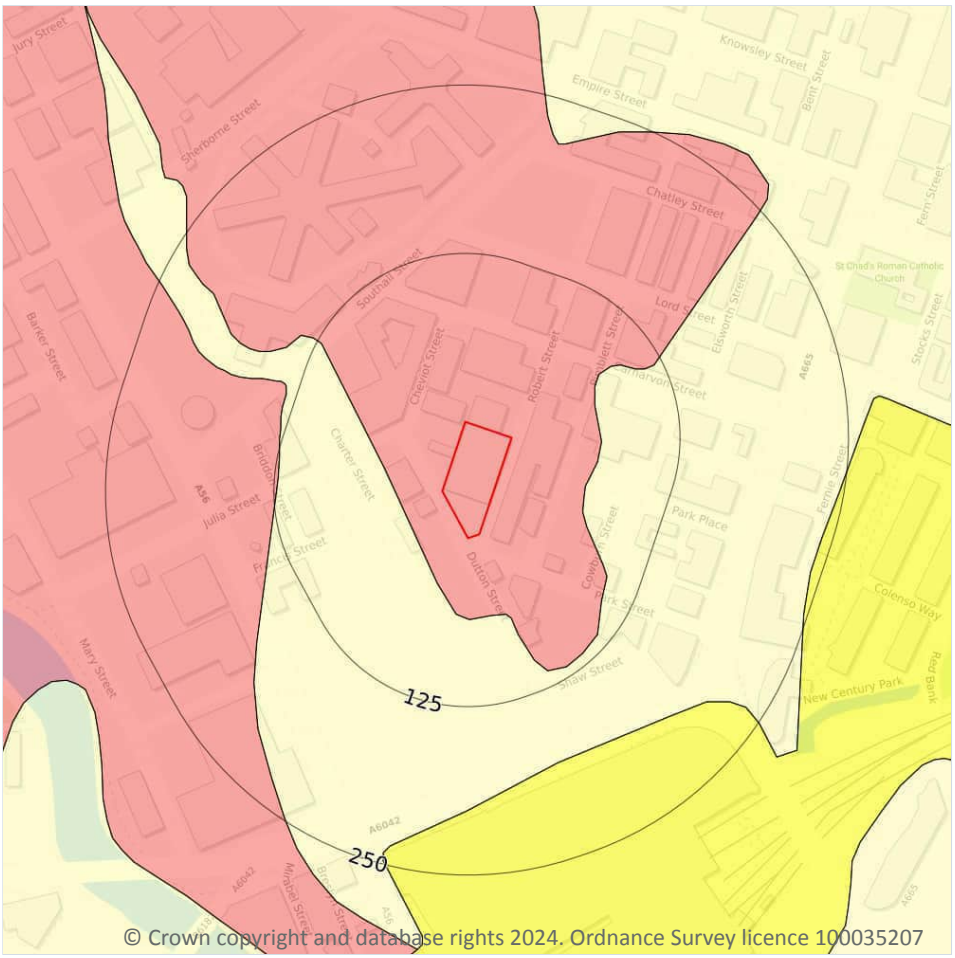
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 130 >**

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



17.3 Compressible deposits

Records within 50m	2

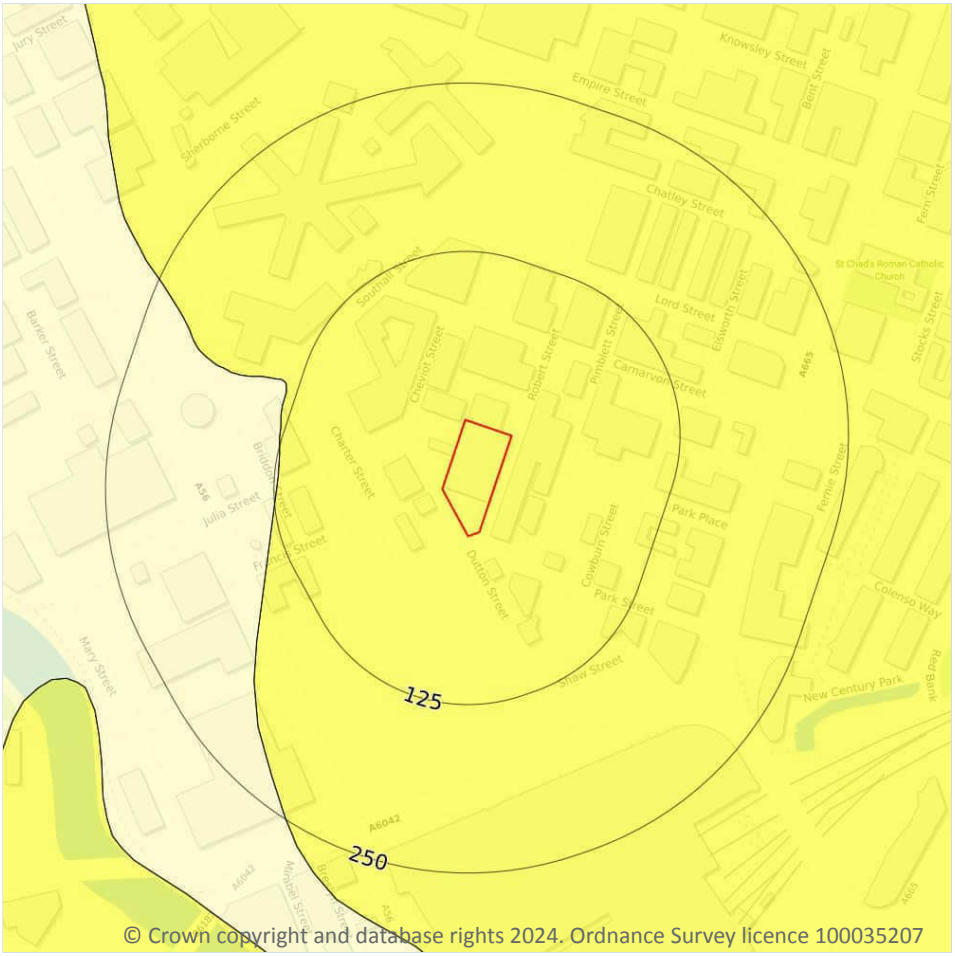
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 131 >**

Location	Hazard rating	Details
On site	**Moderate**	**Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.**
32m SW	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

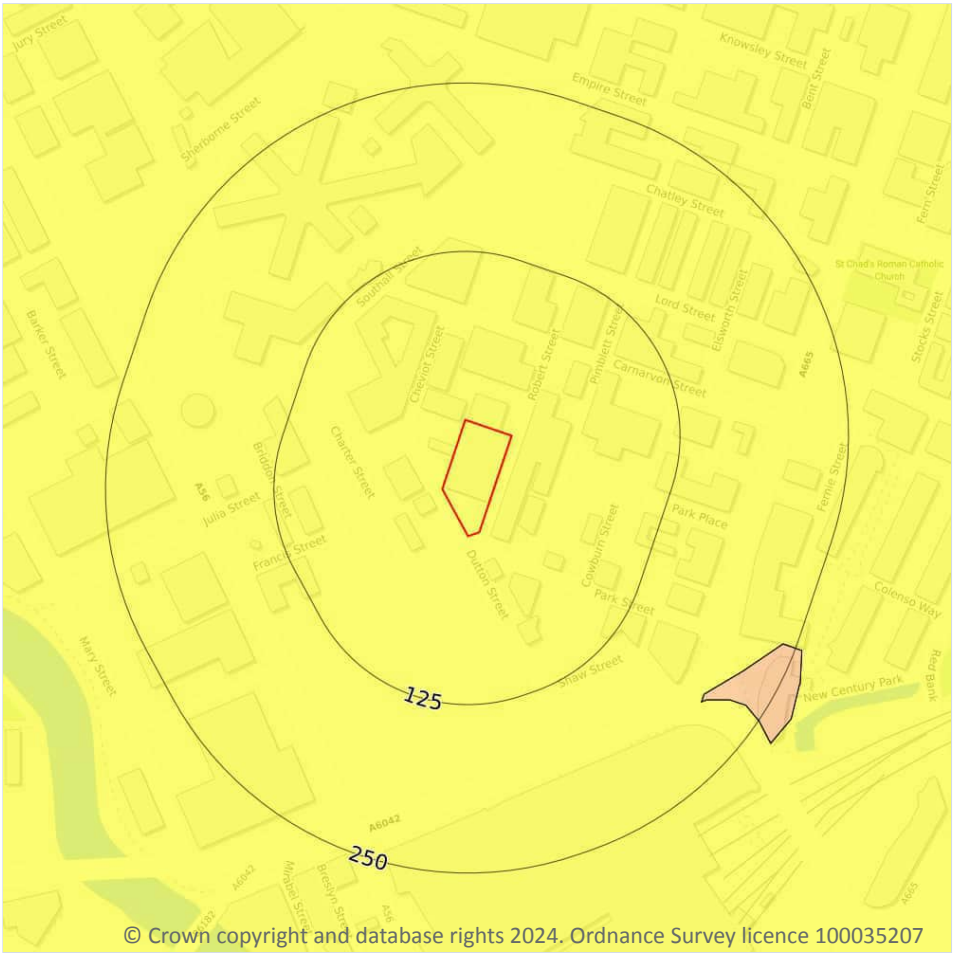
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 133 >**

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



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17.5 Landslides

Records within 50m	1

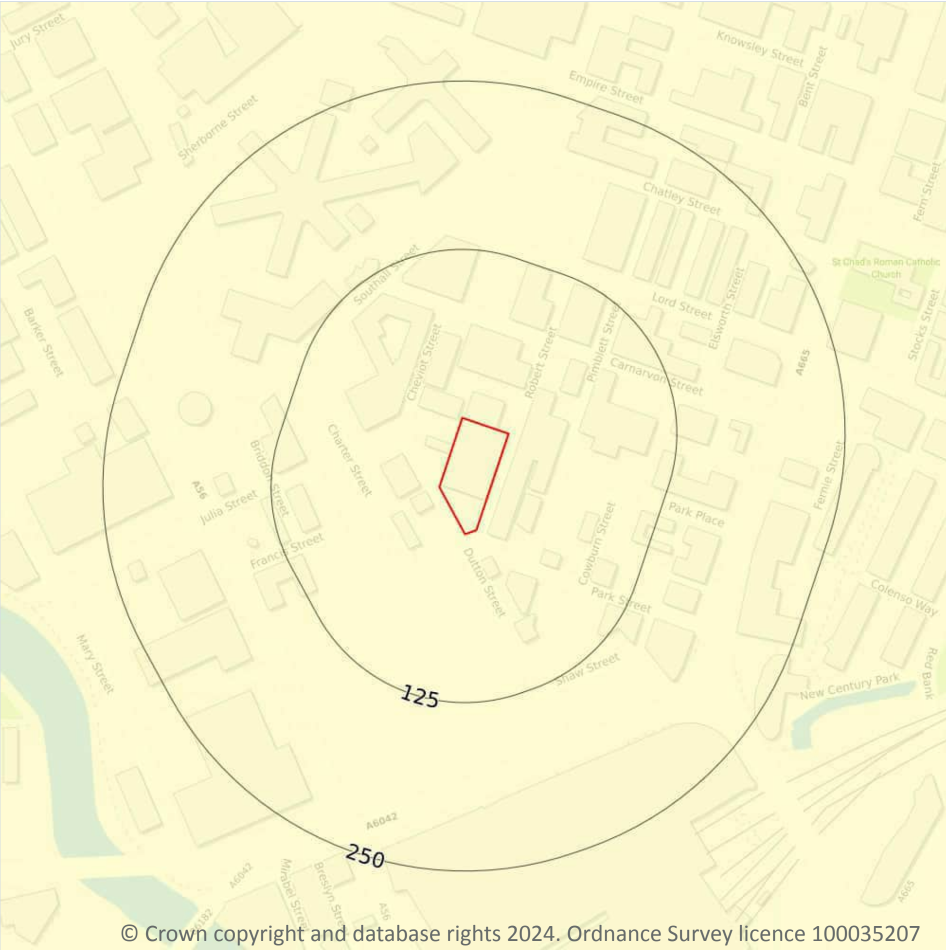
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 134 >**

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

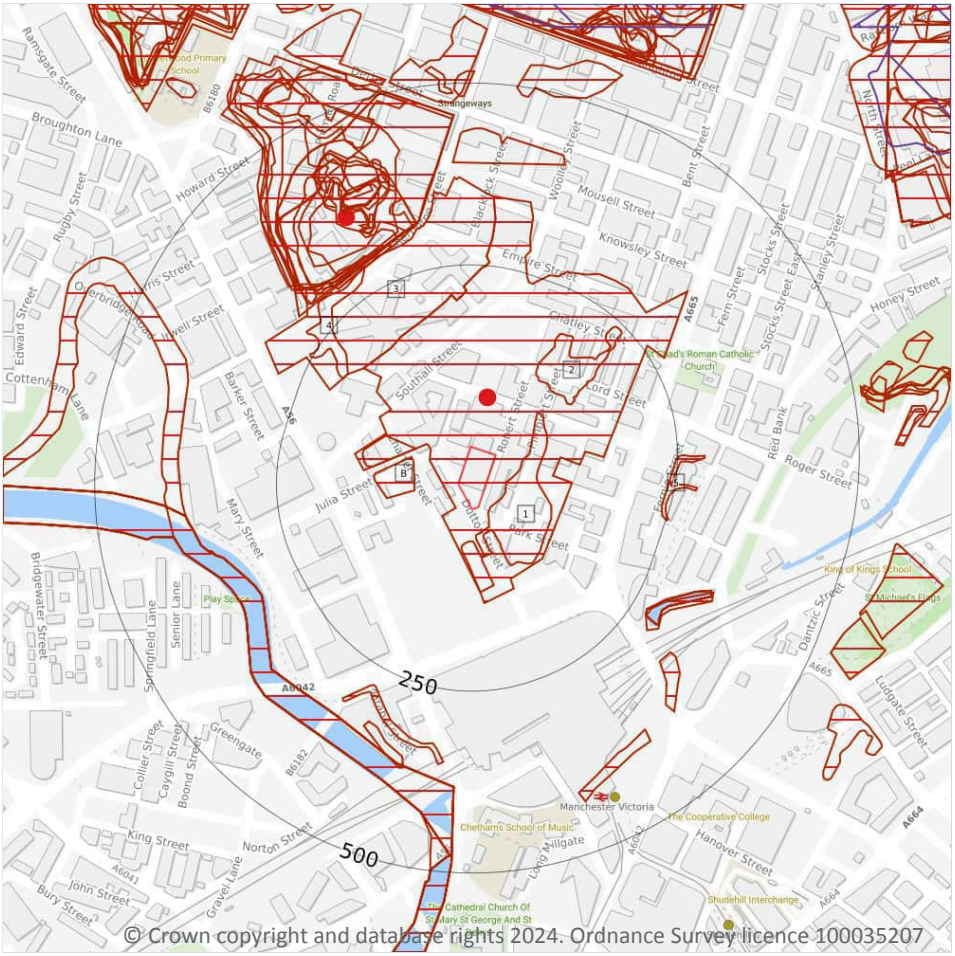
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on page 135 >

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



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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	2

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.

Features are displayed on the Mining and ground workings map on **page 137 >**

ID	Location	Details	Description
A	71m N	Name: Strangeways Brick Field Address: Strangeways, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	358m NW	Name: Sherborne Street Brickworks Address: Cheetham, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**8**

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 137 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Brick Field**	**1851**	**1:10560**
1	15m S	Ponds	1851	1:10560
B	60m W	Unspecified Pit	1851	1:10560
B	71m NW	Unspecified Pit	1851	1:10560
2	117m NE	Ponds	1851	1:10560
3	174m NW	Brick Field	1851	1:10560
4	196m NW	Unspecified Ground Workings	1851	1:10560
5	239m E	Unspecified Ground Workings	1851	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0

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

This is 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	1

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

Location	Details
On site	**In addition to being located inside an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) have information such as mining plans and maps held within their archive of mining activities that have occurred within 1km of this property which may supplement this information. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk ↗.**

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	**1**

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.

Location	Mineral type
On site	**Stone**

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



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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 145 >**

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 km^2. 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 km^2; 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**	**200 - 300 mg/kg**	**120 - 240 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m **6**

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 km^2).

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**16**	**2.8**	**42**	**29**	**0.3**	**70**	**24**	**23**	**5**
On site	**16**	**2.8**	**93**	**64**	**0.4**	**66**	**37**	**22**	**11**
On site	**16**	**2.8**	**109**	**75**	**0.4**	**72**	**37**	**25**	**10**
On site	**17**	**3**	**43**	**30**	**0.3**	**69**	**25**	**23**	**5**
33m S	17	3	45	31	0.3	68	27	23	5
41m S	16	2.8	87	60	0.5	64	38	22	11

This data is sourced from the British Geological Survey.

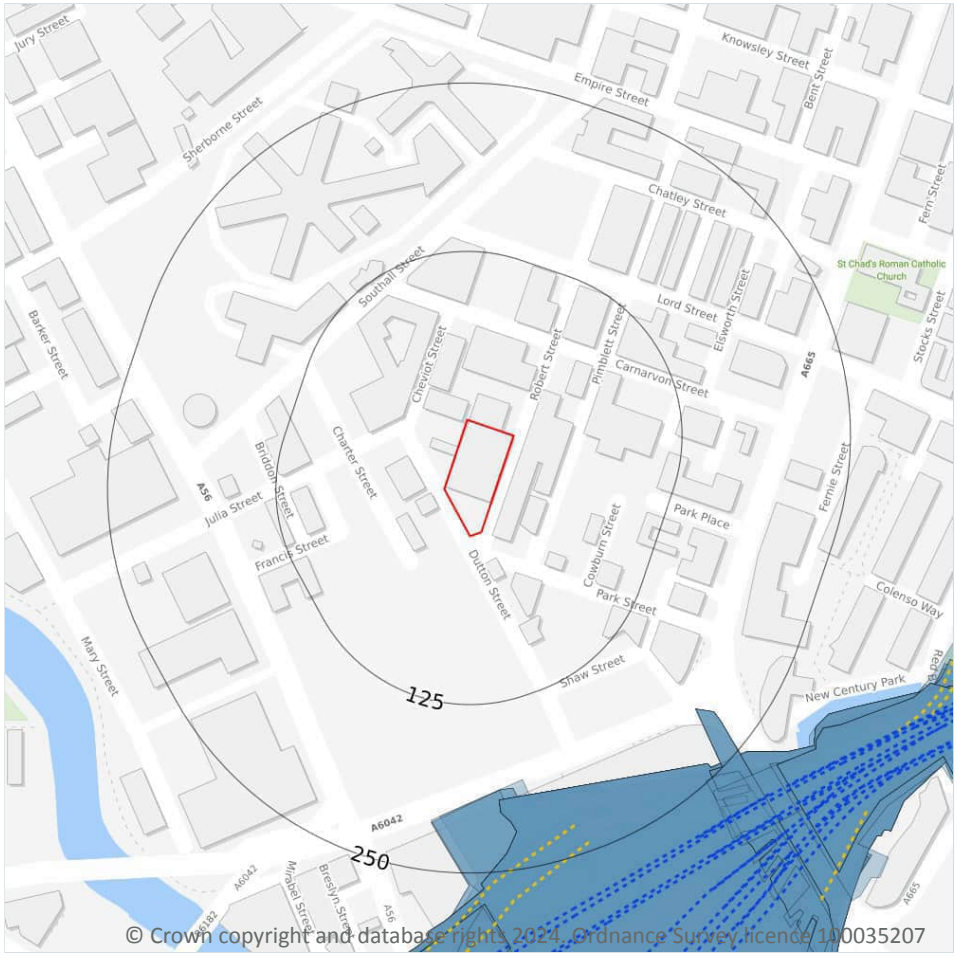
21.3 BGS Measured Urban Soil Chemistry

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 km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



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- Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- 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	39

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 149 >**

Location	Land Use	Year of mapping	Mapping scale
185m S	Railway	1889	-
190m S	Railway Sidings	1908	2500
190m S	Railway Sidings	1922	2500
190m S	Railway Sidings	1892	2500
197m S	Railway Sidings	1971	10000
197m S	Railway Sidings	1956	10560
197m S	Railway Sidings	1988	10000
197m S	Railway Sidings	1978	10000
197m S	Railway Sidings	1985	10000
197m S	Railway Sidings	1994	10000
197m S	Railway Sidings	1984	1250
197m S	Railway Sidings	1987	1250
200m S	Railway Sidings	1958	1250
200m S	Railway Sidings	1951	1250
200m S	Railway Sidings	1975	1250
200m S	Railway Sidings	1986	1250
200m S	Railway Sidings	1950	1250

Location	Land Use	Year of mapping	Mapping scale
206m SE	Railway Sidings	1938	10560
206m SE	Railway Sidings	1931	10560
206m SE	Railway Sidings	1916	10560
206m SE	Railway Sidings	1906	10560
221m S	Railway Sidings	1950	2500
221m S	Railway Sidings	1958	2500
221m S	Railway Sidings	1958	1250
221m S	Railway Sidings	1951	1250
221m S	Railway Sidings	1975	1250
221m S	Railway Sidings	1986	1250
221m S	Railway Sidings	1950	1250
230m SE	Railway Sidings	1995	1250
231m SE	Railway Sidings	1990	1250
238m SE	Railway Sidings	1933	2500
243m SE	Railway Sidings	1964	2500
244m SE	Railway Sidings	1952	2500
244m SE	Railway Sidings	1958	2500
244m SE	Railway Sidings	1949	2500
246m SE	Railway Sidings	1963	1250
247m SE	Railway Sidings	1949	1250
247m SE	Railway Sidings	1952	1250
249m SE	Railway Sidings	1923	10560

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	2

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 149 >**

Location	Description
228m S	Abandoned
243m S	Abandoned

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0

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

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.

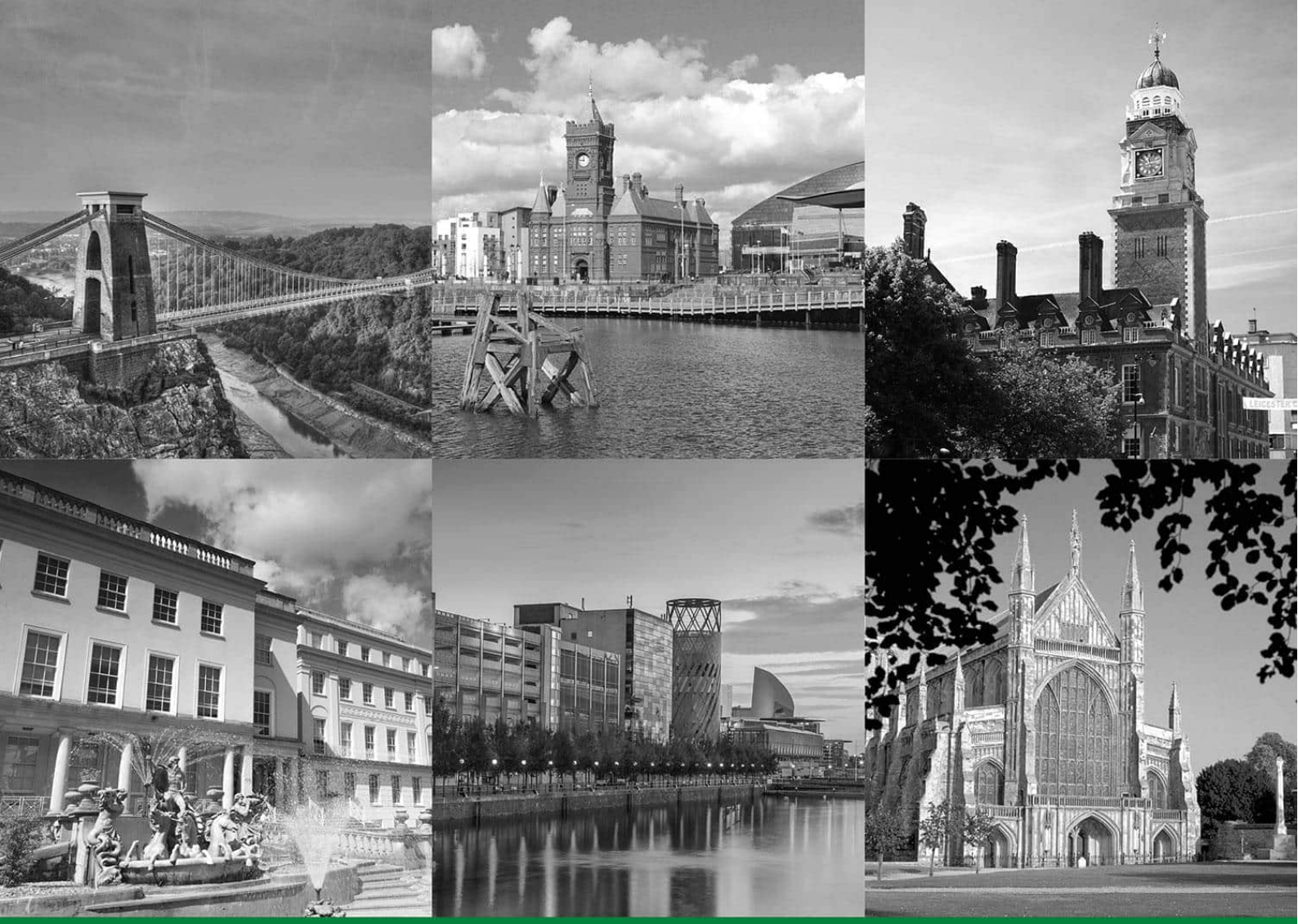
This data is sourced from HS2 ltd.

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 ↗.

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