

RIDGE

DESK TOP STUDY

VELVET CUTTERS, MANCHESTER

TORSION HOMES LTD

7th July 2025

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VERSION CONTROL

VERSION	DATE	DESCRIPTION	REPORT REFERENCE	CREATED	REVIEWED
01	07.07.2025	DTS – First Issue	5029677-RDG-XX-ST-DOC-C-00DTS01	PW	BS

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1. INTRODUCTION

1.1. Brief

Ridge and Partners LLP (Ridge) was commissioned by Torsion Homes Ltd (the Client) to undertake a Desk Top Study for land at Velvet Cutters, Manchester (hereafter referred to as 'the site'). A Site Location and Boundary Plan is included as Figure 1 and is presented on Plate 1.1.

Ridge were briefed to use information provided 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 the Preliminary Risk Assessment procedure outlined in LCRM (2025), 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.

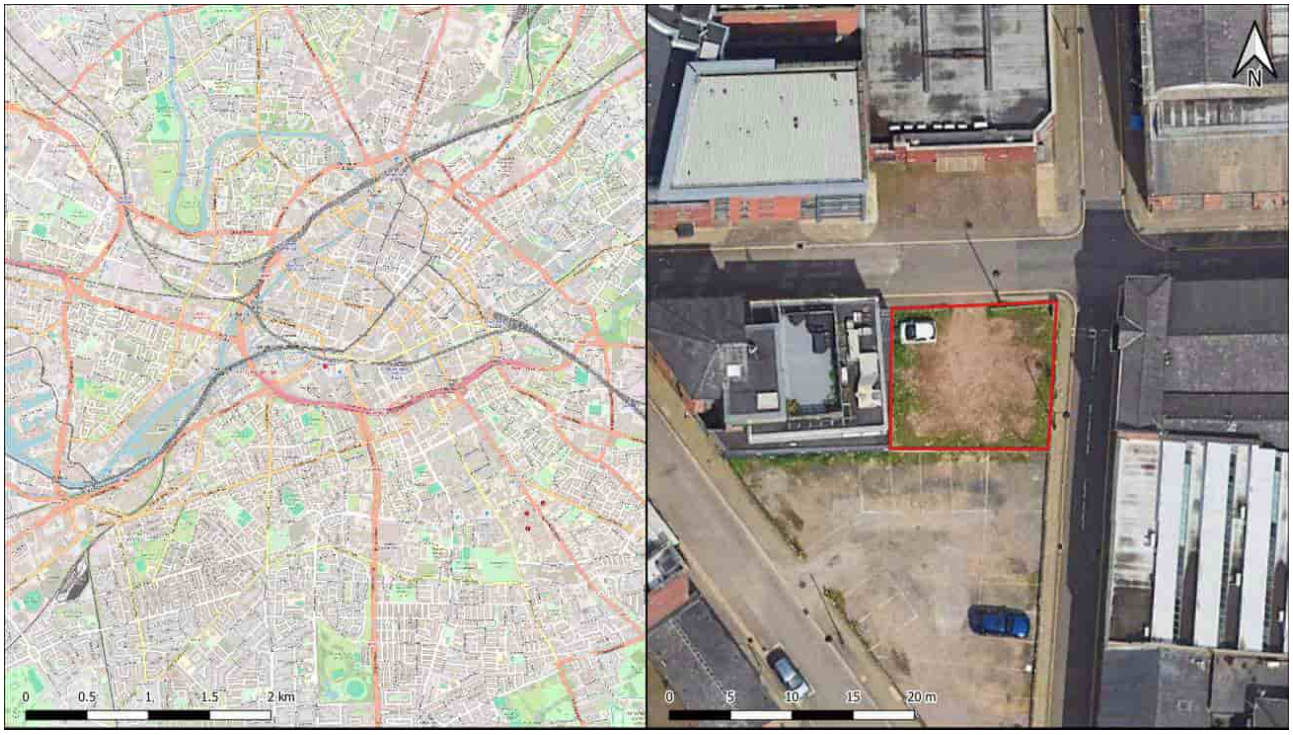


Plate 1.1:Site location and boundary.

1.2. Proposals

At present, proposals comprise the development of a multi-storey residential apartment.

1.3. 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, 2018), 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.

1.4. Methodology

This report has been prepared in accordance with published Environment Agency guidance – Land Contamination Risk Management (LCRM, 2025), which supersedes 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.

1.4.1. Pollutant Linkage Concept

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.

1.4.2. Conceptual Model

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).

1.4.3. Risk Assessment

LCRM advocates a tiered approach to risk assessment comprising the following in order, as necessary:

Preliminary Risk Assessment – a desk study consisting of a review of documentary, anecdotal and site walk over evidence.

Generic Quantitative Risk Assessment (GQRA) - comparison of contaminant concentrations obtained from site investigation with generic assessment criteria.

Detailed Quantitative Risk Assessment (DQRA) - comparison of contaminant concentrations obtained from site investigation with site-specific assessment criteria.

This document constitutes a Preliminary Risk Assessment (PRA), also referred to as a Desk Top Study (DTS).

1.5. End Use Classification

As the proposed end use is for a multistorey residential development with no soft landscaping, for the Preliminary Risk Assessment an end use classification of 'residential without consumption of home grown produce' shall be used as a conservative assessment criteria.

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

1.6. Report Scope and Limitation

This report is based upon a review of readily available historical and current information, a site walkover survey, geological and hydrogeological maps and information from an environmental database search. The assessment is based on the proposed 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 **Torsion Homes Ltd**. 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

A Geo-Environmental Engineer attended the site on 23rd June 2025 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 and also to identify potential constraints to the proposed development.

It should be acknowledged that the descriptions focus on site conditions at the time of the walkover survey only.

The site was accessed off Little Peter Street.

It is currently used as a car park.

Its surface is covered in what appears to be demolition crush and it is broadly level.

Knee high barriers are present around the site and a bar can be pulled across as a gate to prevent vehicle access to the site. However the site is accessible to the public on foot.

Photographs relating to the observations made during the walkover are included within Appendix 2.

The walkover survey did not identify any obvious signs of gross contamination, or visual/olfactory evidence of hydrocarbon contamination in addition to the already noted crushed demolition material.

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 features which are considered to be relevant to the proposed development within 100m of the development site boundary. Note, potential contaminative sources and features more than 100m from the site have been discussed only where they are considered to be relevant. Copies of the maps are included as Appendix 3.

MAPPING DATE	OBSERVATIONS	
(SCALE)	ON-SITE	OFF-SITE
1851 (1:1,056)	Three structures (possibly residential) noted onsite by 1851 mapping.	The surrounding area is significantly developed with both residential and industrial properties. Little Peter Street bounds the north of the site, Greaves Street bounds the east of the site. A Smithy is noted adjacent to the west, a Cotton Mill 10m east, an Indian Corn Mill 15m southeast. Knott Mill Station with associated railway line is noted 50m north while the River Medlock is noted 50m southwest. Knott Mill Iron Works 75m southwest.
1891 (1:500)	No significant change	Knott Mill Brass and Copper Works noted 60m east.
1893 (1:2,500)	No significant change	No significant change.
1908 (1:2,500)	No significant change	No significant change.
1922 (1:2,500)	No significant change	No significant change
1928 (Town plan)	Number 10 is annotated as a Yarn Wash while 6 and 8 are annotated as dwellings on the town plan.	Smithy's, a garage, stables, and surgeries are noted as part of Veterinary Surgeons immediately surrounding the site.
1932 (1:2,500)	No significant change	Printing Works noted 75m southeast.
1949 (1:2,500)	No significant change	Knott Mill Iron Works now annotated as an Automobile Engineering Works. Unidentified Works noted 10m east, 15m northeast and 25m northeast Large area of residential properties no longer present and a ruin mapped 200m southwest.
1951-1955 (1:1,250)	Structures onsite now annotated 6, 8 and 10.	The Works building 10m east now annotated Raising and Sueding Works.

		The Works building 15m northeast now annotated Printing Works. Engineering and Chemical Works noted 40m southwest.
1960-1963 (1:1,250)	The division between 8 and 9 is no longer annotated	Steet adjacent to the east now annotated Constance Street. Garage noted 15m north. Works noted 15m south.
1965	No significant change	No significant change
1969-1973 (1:1,250)	No significant change	No significant change
1980 (1:1,250)	The division between 8 and 9 and 10 is no longer annotated. 10 Is also no longer annotated.	Large area 80m east now cleared and annotated car park.
1992 (1:1,250)	No significant change	Works 15m south has expanded and is now adjacent to the south of the site. Knot Mill Engineering Works is no longer present and is replaced with a car park.
1995 (1:1,250)	All structures along Little Peter Street with this 'block' are now annotated as 2-8.	No significant change
2003 (1:1,250)	No significant change	No significant change
2025 (1:1,250)	No buildings annotation on site.	No significant change

Table 3.1:Historical Map Review

3.2. Review of Satellite Images

A review a satellite images have been carried out to provide information in relation to the site after 2003.

- The mapped buildings are present onsite upto 2005 satellite imagery.
- The buildings are no longer present and a car park appears onsite by 2009 satellite imagery.

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, DIRECTION	APPROX. DATES PRESENT
Demolition rubble onsite from the previous buildings potentially containing ACMs, heavy metals and PAHs.	Onsite	Building pre 2005
Several Works (including iron & copper) Smithy's and Mills in the surrounding area. Potential for ACMs, Heavy Metals and PAHs from dust and fall out. Potential Hydrocarbon migration to site.	Both adjacent to the site and within the surrounding area	1850 to Present

Table 3.3: Potential Sources following Historical Map Review

Potential contamination sources not considered to represent a significant risk to the site are detailed in the table below. The features will not be considered further.

POTENTIAL SOURCES NOT CONSIDERED FURTHER	
FEATURE	JUSTIFICATION
Knott Mill Station	Unlikely to pose a significant risk to site compared to the closer sources.
Printing Works	Unlikely to pose a significant risk to site compared to the closer sources.

Table 3.3: Potential Sources not considered further

4. PHYSICAL SETTING

4.1. Geology and Hydrogeology

The following observations are taken from the British Geological Survey (BGS) Geology of Britain Viewer (2025) and the Geo Insight Groundsure Report (Appendix 4). The site overlies superficial Glaciofluvial Sheet Deposits over bedrock geology of the Chester Formation Sandstone.



Plate 4.1: Superficial Geology (left) and Bedrock Geology (right)

Table 4.1 identifies the expected composition of the published strata and associated aquifer classification.

SUPERFICIAL DEPOSITS	
Unit Name	Glaciofluvial Sheet Deposits (Sand and Gravel).
Geology Description	These sedimentary deposits are glaciofluvial in origin. They are detrital, generally coarse-grained, they form beds, channels, plains and fans associated with meltwater.
Aquifer Classification	Secondary A.
BEDROCK GEOLOGY	
Unit Name	Chester Formation Sandstone.
Geology Description	These sedimentary rocks are fluvial in origin. They are detrital, ranging from coarse- to fine-grained and form beds and lenses of deposits reflecting the channels, floodplains and levees of a river or estuary (if in a coastal setting).
Aquifer Classification	Principal.

Table 4.1: Geology and Hydrogeology

4.1.1. Artificial Ground, Landslips and Faults

The site and the surrounding area are mapped as Made Ground.

A Glacial Channel is mapped 120m north of the site.

There are no faults or landslide deposits mapped within 250m of the site.

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

The site is not within a Development High Risk Area with regards to coal mining.

4.1.4. Natural Ground Subsidence

The BGS has provided the following information as summarised in Table 4.2 below.

PROCESS	RISK LEVEL	DETAILS
Shrink Swell Clays	Negligible	Ground conditions predominantly non plastic.
Running Sands	Low	Running sand conditions are unlikely.
Compressible Deposits	Very Low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.
Collapsable Deposits	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
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.
Ground dissolution of soluble rock	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.

Table 4.1: Ground Subsidence Records

4.2. Hydrology

4.2.1. Surface Water Features

The River Medlock is present 45m southwest.

The Rochdale Canal is present 100m north.

4.2.2. Flooding

The site is within a Flood Zones 2 and 3. With areas of land at risk of flooding, when the presence of flood defences are ignored.

4.3. Controlled Waters

4.3.1. Abstraction Licenses

There are no abstractions within 250m of the site, inclusive of potable abstractions.

4.3.2. Source Protection Zones

There are no Source Protection Zones within 250m of the site.

4.3.3. Groundwater Vulnerability and Soil Leaching Potential

The underlying strata is classified as having a high vulnerability.

4.4. Designated Environmentally Sensitive Sites

There are no designated features within 250m of the site.

4.5. Nitrate Vulnerable Zones

The site is not within a Nitrate Vulnerable Zone.

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 100m of the outlined development site, or those which are considered relevant to the proposed development.

5.1. Groundsure Record Search

The following observations are taken from the British Geological Survey (BGS) Geology of Britain Viewer (2025) and the Enviro Insight Report (Appendix 4).

5.1.1. Historical Industrial Land Uses

The area surrounding the site has been significantly developed since the earliest available mapping. The Groundsure Report lists the following historic industrial land uses:

- Railway station 36m north from 1905 to present.
- Unspecified Commercial/Industrial 38m northwest from 1848.
- Automobile Works 56m southwest from 1956 to 1980.
- Unspecified Commercial/Industrial 67m southwest from 1905.
- Quay 82m west from 1905 to 1938.

5.1.2. Historical Petrol Stations and Garages

There are no historical petrol stations present within 100m of the site. A garage is noted 12m north from 1955 to 1990.

5.1.3. Historical Tank Database

Unspecified tank 89m southeast from 1891.

5.1.4. Historical Energy Features

There are no historic energy features present within 100m of the site.

5.1.5. Waste and Landfill

No historical or current records within 100m of the site. However, a Scrap Yard is noted 119m southeast from 1987 to 1997.

5.1.6. Environmental Permits, Incidents, Registers and Consents

There is an exemption 33m southeast regarding the storage of waste in secure containers. There is another exemption 175m east regarding the use of waste in construction.

5.2. Potential Sources of Contamination – Records Review

Contaminant sources considered to present a potential risk to the site are detailed in Table 5.1.

POTENTIAL SOURCES OF CONTAMINATION CONSIDERED A RISK TO THE SITE		
FEATURE	DISTANCE, DIRECTION	APPROX. DATES PRESENT
Garage	12m north	1955 to 1990

Table 5.1: Potential Sources following Records Review

Potential contamination sources not considered to represent a significant risk to the site are detailed in Table 5.2. These features will not be considered further within the risk assessment.

POTENTIAL SOURCES NOT CONSIDERED FURTHER	
FEATURE	JUSTIFICATION
Quay 82m west	Distance from site and unlikely to present more of a risk than the industrial features in the local area.
Railway Station 36m north	Distance from site and unlikely to present more of a risk than the industrial features in the local area.
Unspecified Commercial/Industrial 38m northwest	Distance from site and unlikely to present more of a risk than the industrial features in the local area.
Automobile Works 56m southwest	Distance from site and unlikely to present more of a risk than the industrial features in the local area.

Table 5.2: Potential Sources not considered further

6. CONCEPTUAL SITE MODEL

The aim of the conceptual model is to provide a preliminary assessment of the likelihood of a pollutant linkage for each potential combination of contaminant, pathway and receptor. A conceptual model can be used to make an informed decision on the contamination risks associated with the site and whether further site investigation work is required.

The sections below are therefore divided into potential contaminant, potential pathway and potential receptor as described in Land Contamination Risk Management (LCRM), on the premise that, if there is no pollutant linkage, then there will be no risk to the receptor. The final section provides an assessment of the potential pollutant linkages that may still be present on the site if redevelopment were to occur.

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 guidance) 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. Sources

It should be noted that the sources below are based on the sources used within this desk top study and that additional sources of contamination may become apparent during any future investigation and/or development works carried out on site.

6.1.1. On-Site – Historical

- Residual soil contaminants associated with demolition of the historical building onsite. Demolition rubble visually identified across the site surface. Potential for Asbestos Containing Materials (ACMs), Heavy Metals and Poly Aromatic Hydrocarbons (PAHs).
- Potential for ground gas if significant thickness of made ground present onsite.

6.1.2. Off-Site – Historical

- Fallout from industrial uses in the surrounding area, dust and combustion products provide the potential for Heavy Metals and PAHs.
- Potential for migration of hydrocarbon spills from Garage present close to the north of the site and the automotive works in the surrounding area.
- Potential for ground gas as made ground mapped across large area of both the site and surrounding area.

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 and soil vapour leading to accumulation in enclosed spaces.
- Vertical and lateral migration of organic and inorganic compounds through underlying geology associated with off-site land uses.

6.2.2. Direct

- Inhalation of ground gases and soil vapour

It is understood that the entire site will be occupied by the proposed development block with no soft landscaping, as such no direct contact pollutant linkage is anticipated.

6.3. Receptors

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

6.3.1. Human

- Residential end users of the site
- Visitors to the site.
- Off site receptors

6.3.2. Environmental

- Underlying Secondary A Aquifer – superficial geology
- Surface Water – River Medlock.

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+A2:2017 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 in Tables 7.1-7.3.

CATEGORY	EXAMPLES
High	Residential with gardens/Groundwater Source Protection Zone.
Medium	Residential without gardens/Principal (Major) Aquifer/sensitive watercourse.
Low	Commercial and industrial use/Secondary (Minor) Aquifer.
Very Low	Construction and maintenance workers/non-sensitive watercourse.

Table 7.1: Sensitivity of Receptor

CATEGORY	EXAMPLES
Gross Impact	Heavily contaminated gasworks or industrial site, hazardous waste landfill.
Moderate Impact	Major leaks and spills from fuel infrastructure (e.g. petrol stations), domestic waste landfills.
Slight Impact	Minor leaks and spills from fuel infrastructure, 'inert' waste landfills.

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 in Table 7.4.

CATEGORY	EXAMPLES
High likelihood	Pollutant linkage may be present, and risk is almost certain to occur in long term, or there is evidence of harm to the receptor.
Likely	Pollutant linkage may be present, and it is probable that the risk will occur over the long term.
Low likelihood	Pollutant linkage may be present, and there is a possibility of the risk occurring, although there is no certainty that it will do so.
Unlikely	Pollutant linkage may be present, but the circumstances under which harm would occur are improbable.

Table 7.4: Probability of risk definition

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 as shown in Table 7.5

	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.

7.2. Pollutant Linkage Assessment

Analysis of factors affecting source-pathway-receptor pollutant linkages is provided below, with a full assessment presented in Table 7.6.

SOURCE	PATHWAY	RECEPTOR	SEVERITY	LIKELIHOOD	RISK LEVEL
Made Ground deposits onsite associated with former buildings, and overspill and fall out from industrial use across the wider (ACMs, Heavy Metals, PAHs)	No viable pathway	Offsite receptors Future site users	Medium	N/A	-
	Leaching to groundwater, drainage and lateral / vertical migration.	Surface Water (River Medlock)	Medium	Unlikely	Low
		Secondary A Aquifer (Superficial)	Medium	Low likelihood	Moderate / Low
Potential migration of hydrocarbons to the site from garages and manufactories offsite (TPHCWG/BTEX/MTBE)	Inhalation of vapours.	Future site users	Medium	Low likelihood	Moderate / Low
Potential for Ground Gas from unknown thickness and composition of made ground onsite and in the local area.	Generation and migration / accumulation of ground gases	Future site users Offsite receptors	Severe (Asphyxiation & Explosion)	Low likelihood	Moderate
Hydrocarbons and PAHs from offsite sources and made ground onsite	Physical contact	Potable water pipes	Medium	Likely	Moderate

Table 7.6: Pollutant Linkage Assessment

8. CONCLUSIONS AND RECOMMENDATIONS

8.1. Contamination Status

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.

Based on the assessment carried out the following investigation and or mitigation will be required for the potential contaminants onsite.

8.1.1. ACMs, Heavy Metals and PAHs

Due to the proposed development occupying the entire site with no soft landscaping proposed a complete direct contact pollutant linkage to future users or off site human receptors is not anticipated. A worst case Moderate risk to potable water supply and a Moderate / Low risk remains to controlled waters from heavy metals and PAHs.

It is recommended that limited ground investigation should be undertaken to further assess the identified pollutant linkages.

8.1.2. Hydrocarbons

A Moderate/Low risk has been identified from hydrocarbon contamination from potential off site sources.

It is recommended that, if visual or olfactory evidence of hydrocarbon contamination is identified during these works, further assessment of the be undertaken.

Should no visual or olfactory evidence of hydrocarbon contamination be identified during these works the risk can be reduced to low.

8.1.3. Ground Gas

A Moderate/Low risk has been identified from Ground Gas.

Due to the significant area of made ground mapped by the BGS and the unknown depth and composition o made ground beneath the site gas monitoring is recommended in order to further quantify the risk.

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.

8.2. Geotechnical

A review of key geotechnical aspects is provided below.

8.2.1. Site Clearance

It is recommended that all foundations and relic structures be grubbed out prior to installation of foundations. There is also the potential for features such as poorly infilled basements to be present beneath the site.

Any ‘soft spots’ such as areas of historic infilling or ‘hard spots’ such as existing foundations must be removed and the resulting voids filled with a suitably engineered granular material.

8.2.2. Foundations

Proposed design loads have not been given. However, as it is a multi storey building, the BGS mapping suggests there may be a significant thickness of made ground in the area and that bedrock is likely around 5.00mbgl. It maybe possible to found directly onto bedrock if basements or basement carparking is to be included as part of the development, if not it is considered likely that a piled solution will be required, socketed into competent bedrock.

8.2.3. Piling Risk Assessment

Should significant mobile contamination be identified beneath the site a Piling Risk Assessment will need to be undertaken to address the potential of a piled solution to provide a pathway to the underlying Principal (Bedrock) Aquifer.

8.2.4. Groundwater

Depth to groundwater is unknown, however with the sites proximity to the River Medlock it is likely that groundwater will be in continuity with the river and that excavation may encountered significant groundwater at relatively shallow depths.

8.2.5. Working Platform

The site may require a suitable working platform dependant on the loadings of the plant that will be used.

For larger plant it is recommended that a platform be designed in line with BRE470 (2004).

Any materials imported to site for this purpose must be tested prior to arrival to check their suitability for use from both a geotechnical and a human health perspective. Any import will need to comply with the CL:AIRE Definition of Waste Code of Practice (DoWCoP).

8.2.6. Geochemistry – Aggressive Ground

Ground with elevated levels of sulphate or low pH has the potential to attack and damage infrastructure.

It is recommended that as part of any investigation works the ground aggressivity for concrete classification be investigated.

8.2.7. Material Re-use and Waste Disposal

Any site won material intended for re-use onsite should be in recourse to appropriate exemptions. A U1 and T5 exemption should be registered.

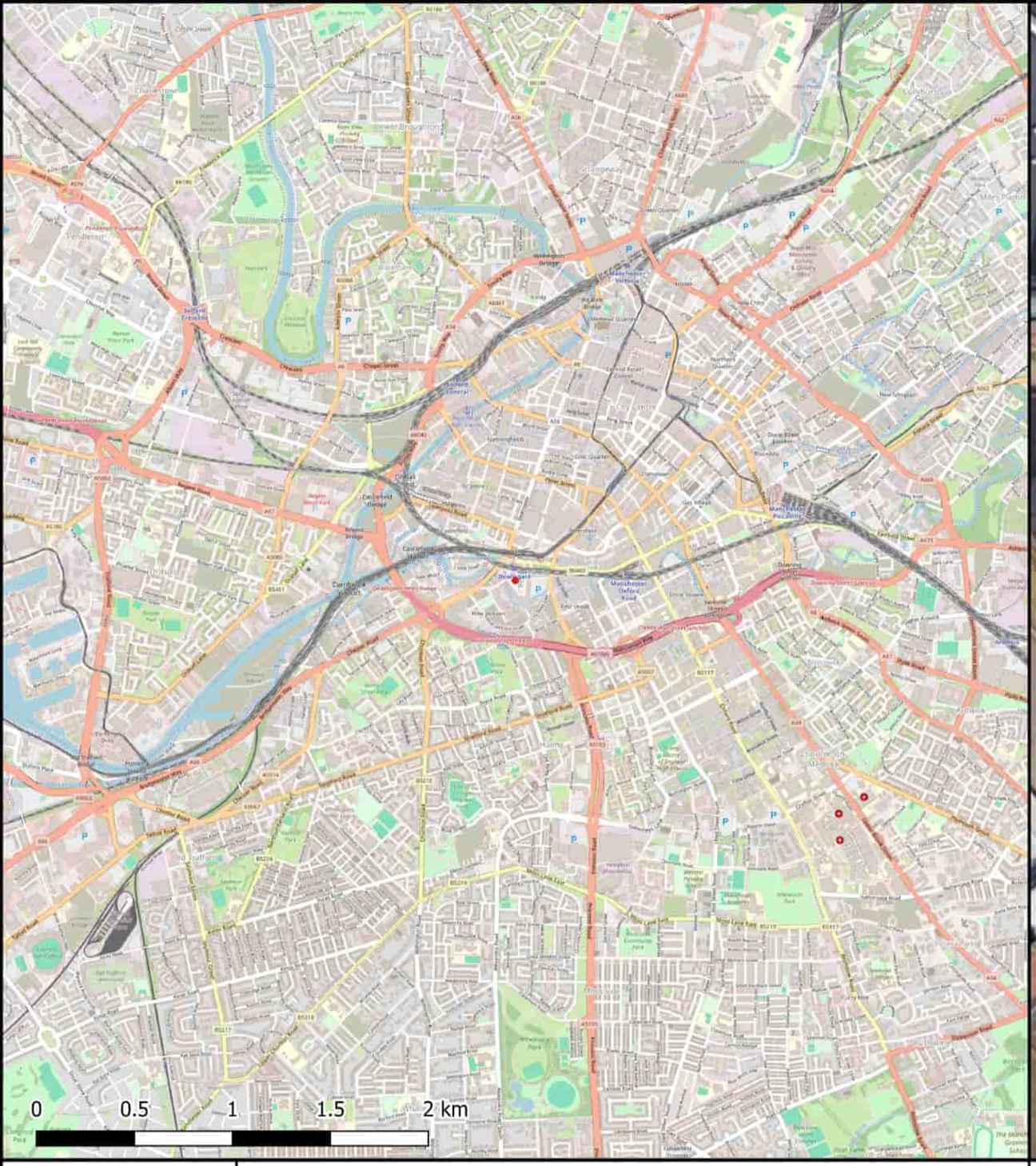
If volumes exceed the exemption limits, a Materials Management Plan (MMP) will need to be produced in accordance with the CL:AIRE Definition of Waste Code of Practice (DoWCoP). The MMP will need to demonstrate suitability for use from both a geotechnical and chemical standpoint, certainty of use and that the volumes of material proposed for re-use are required.

This must be registered before material movement starts onsite by a registered Qualified Person (QP).
The aim should be to achieve a site cut/fill balance where possible to minimise lorry movements on and off site and to minimise waste disposal costs.

8.3. Unexploded Ordnance

The site is considered to be in a moderate risk area with regards to UXO based of Zetica mapping.

FIGURE 1 – SITE LOCATION PLAN





Project:	Velvet Cutters Manchester		
Job Number:	5029677	Client:	Torsion Homes Ltd
Drawing:	5029677-Fig1	Revision:	-
Drawn:	PW	Date:	27/06/2025
Checked by:	BS	Scale:	1:25,000 / 1:250

Title: Site Location Plan

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

2nd Floor,
100 Embankment,
Cathedral Approach,
Manchester
M3 7FB

RIDGE
PROPERTY & CONSTRUCTION CONSULTANTS

APPENDIX 1 – REPORT CONDITIONS

This report is produced solely for the benefit of **Torsion Homes Ltd** 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 the 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 – PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

SITE: VELVET CUTTERS, MANCHESTER
PROJECT NUMBER: 5029677

Photo No.	Date
1	23/06/25

Photo Title
Access to the site off Little Peter Street. Site currently used as a car park.



Photo No.	Date
2	23/06/25

Photo Title
Barrier across the entrance to site to prevent vehicle access. Knee high barrier present around the site will not prevent pedestrian access.



PHOTOGRAPHIC LOG

SITE: VELVET CUTTERS, MANCHESTER
PROJECT NUMBER: 5029677

Photo No.	Date
3	23/06/25

Photo Title
View of the site taken from Constance Street to the east.

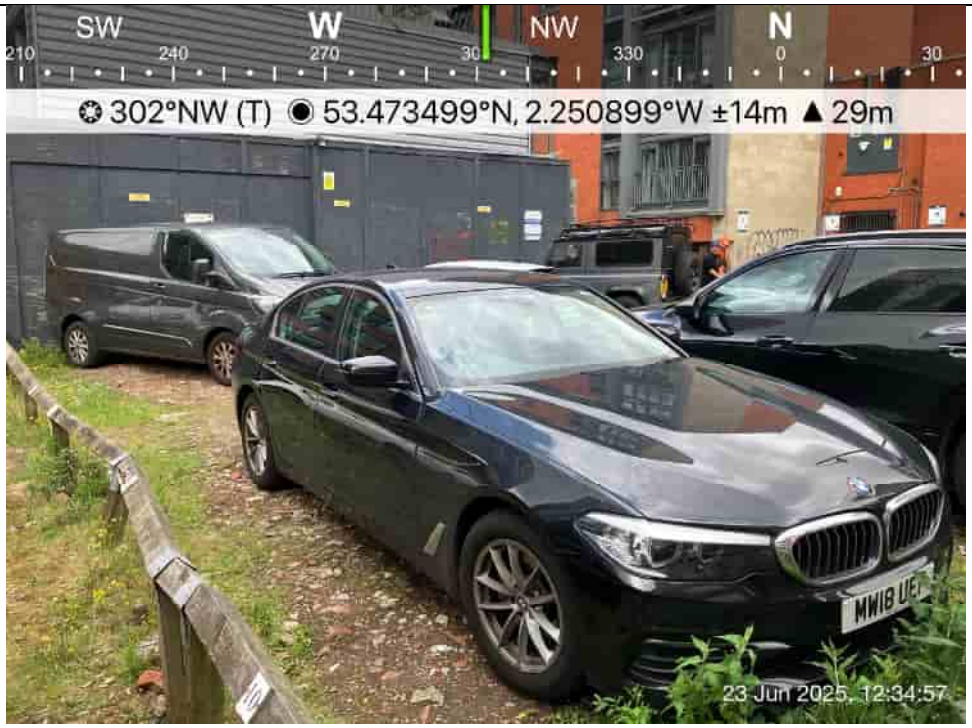
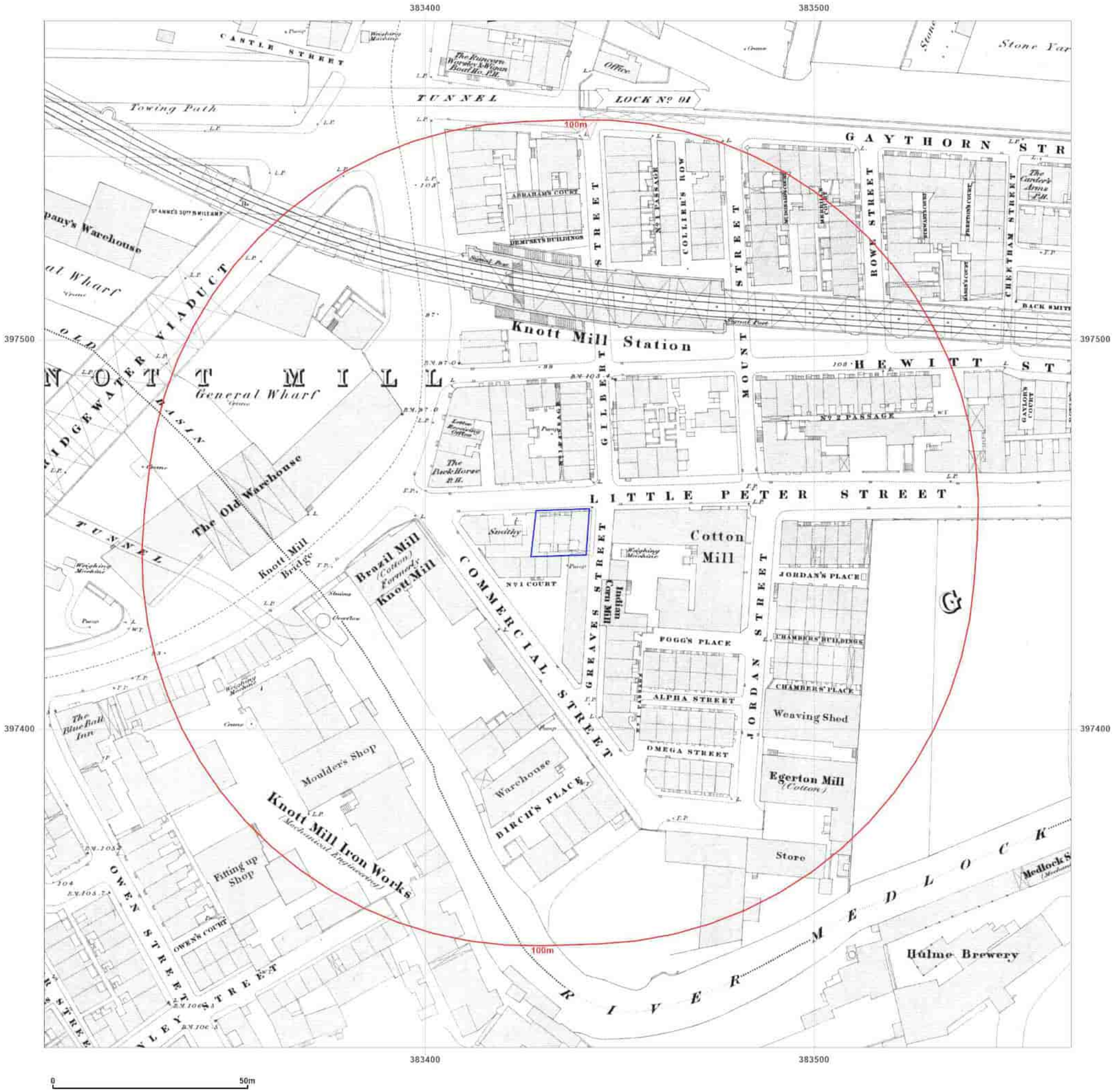


Photo No.	Date
4	23/06/25

Photo Title
Demolition rubble present across the surface of the site.



APPENDIX 3 – HISTORICAL MAPS



Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: 1056 Scale Town Plan

Map date: **1851**

Scale: 1:1,056

Printed at: 1:1,056

N
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Surveyed 1849
Revised N/A
Edition 1851
Copyright N/A
Levelled N/A

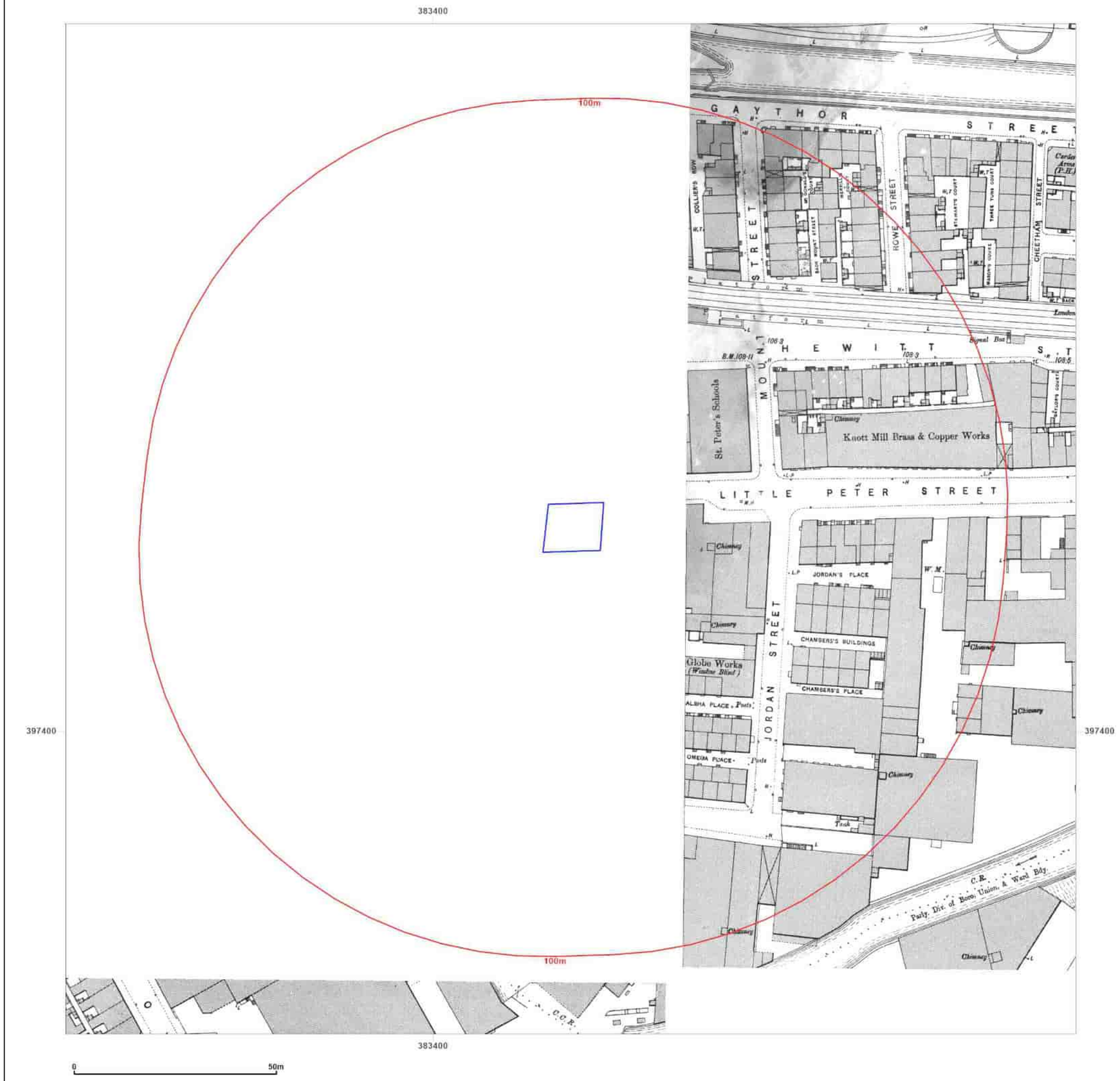
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Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

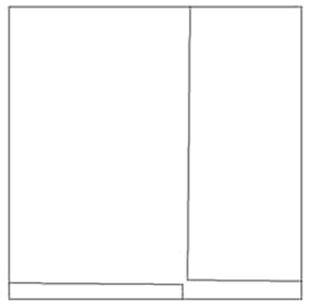
Map Name: County Series Town Plan

Map date: **1891**

Scale: 1:500

Printed at: 1:1,000

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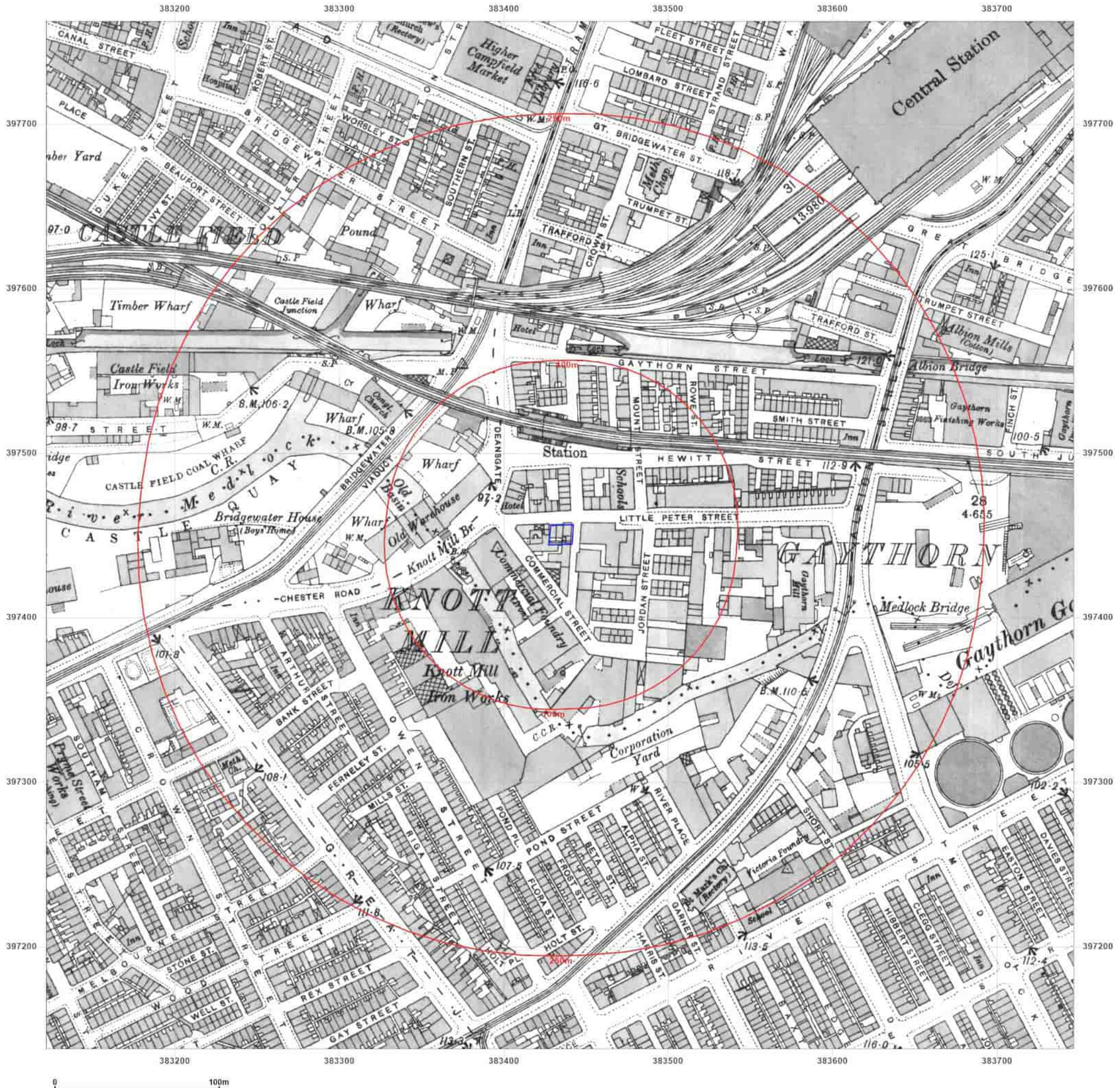
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1893**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

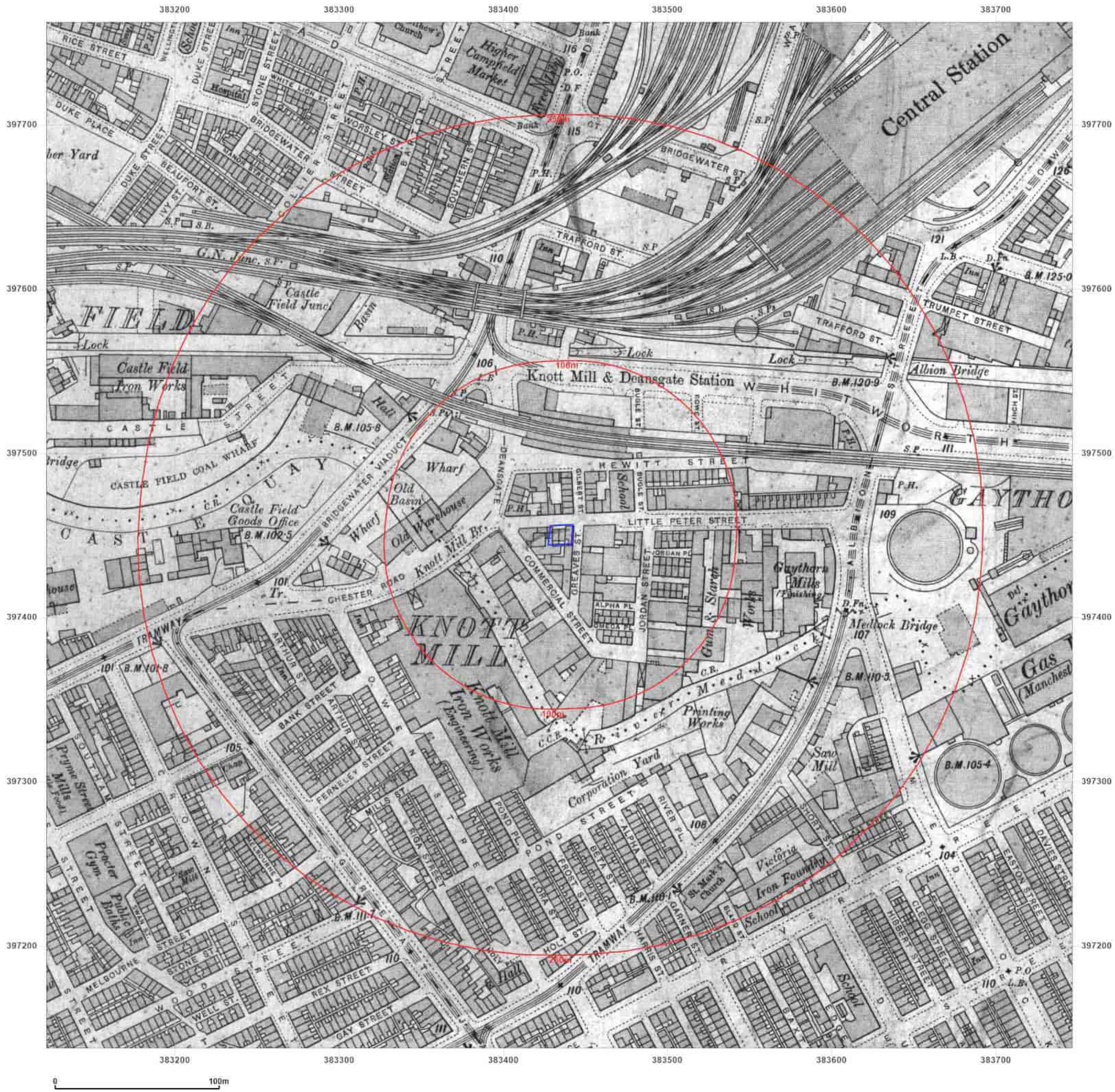
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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1908**

Scale: 1:2,500

Printed at: 1:2,500

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Revised 1908
Edition N/A
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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1922**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

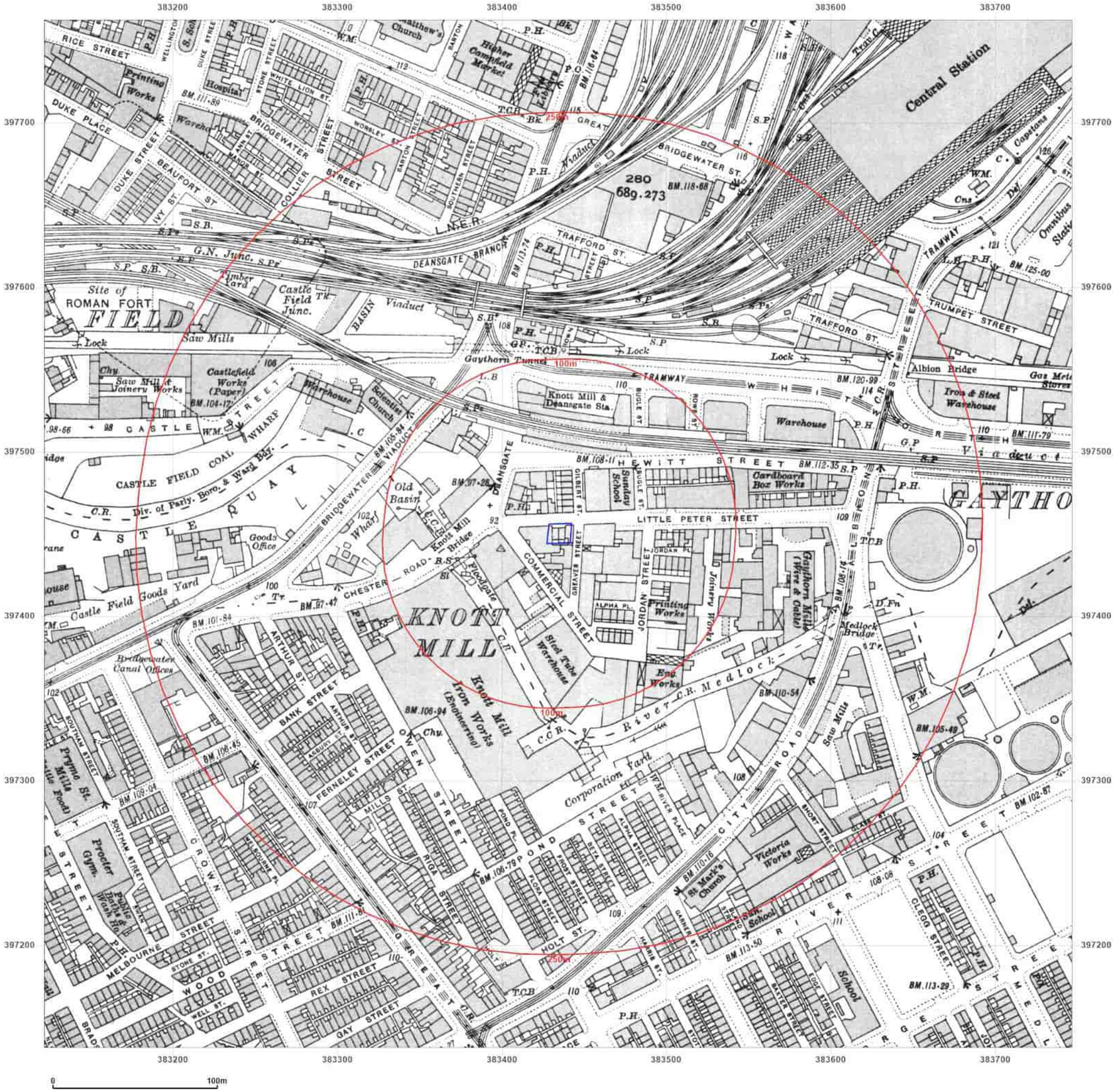
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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1932**

Scale: 1:2,500

Printed at: 1:2,500

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Revised 1932
Edition N/A
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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1949**

Scale: 1:2,500

Printed at: 1:2,500

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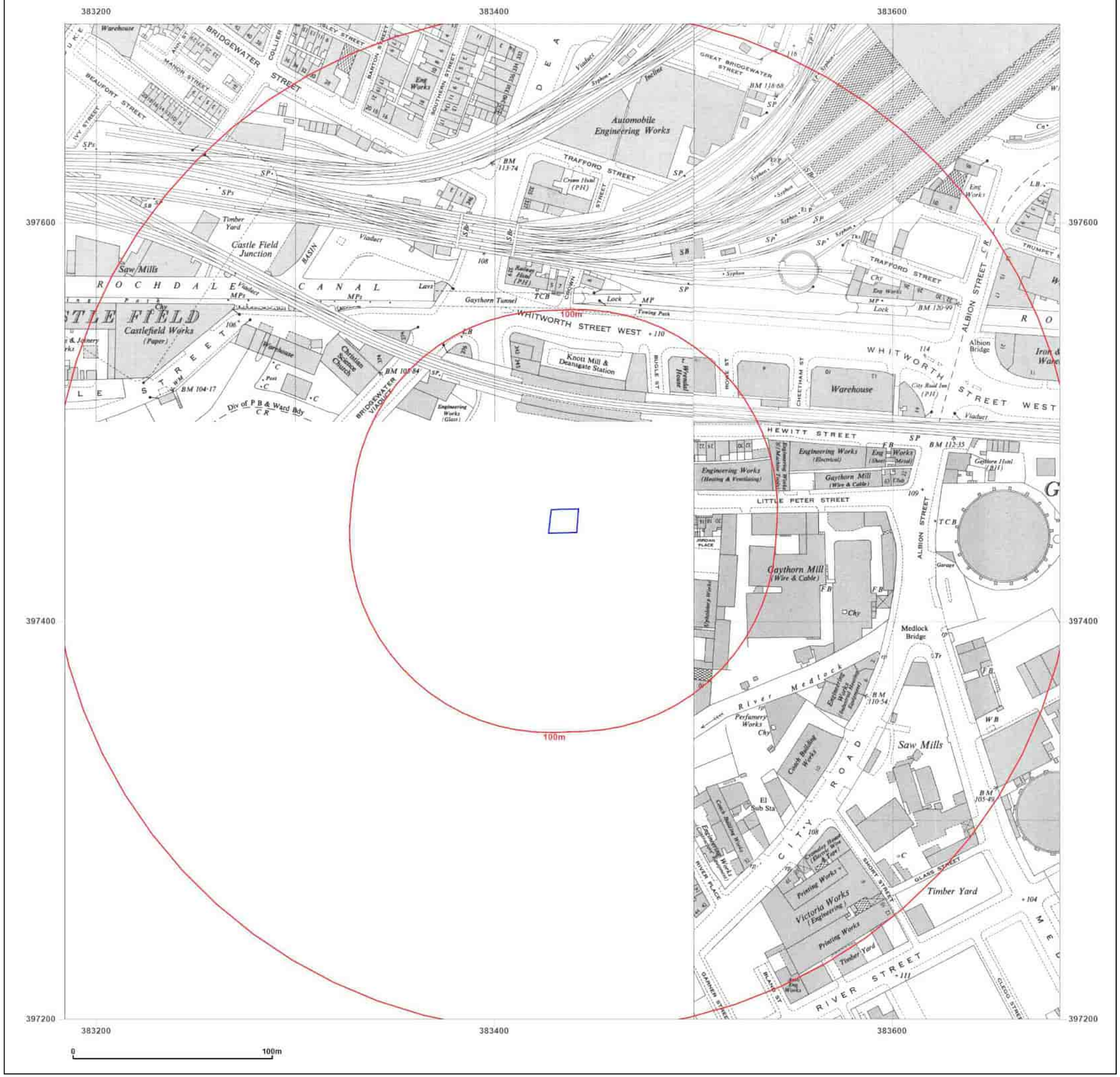
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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1948-1953**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1948
Revised 1948
Edition N/A
Copyright N/A
Levelled 1927

Surveyed 1948
Revised 1948
Edition N/A
Copyright N/A
Levelled 1927

Surveyed 1948
Revised 1953
Edition N/A
Copyright N/A
Levelled 1927

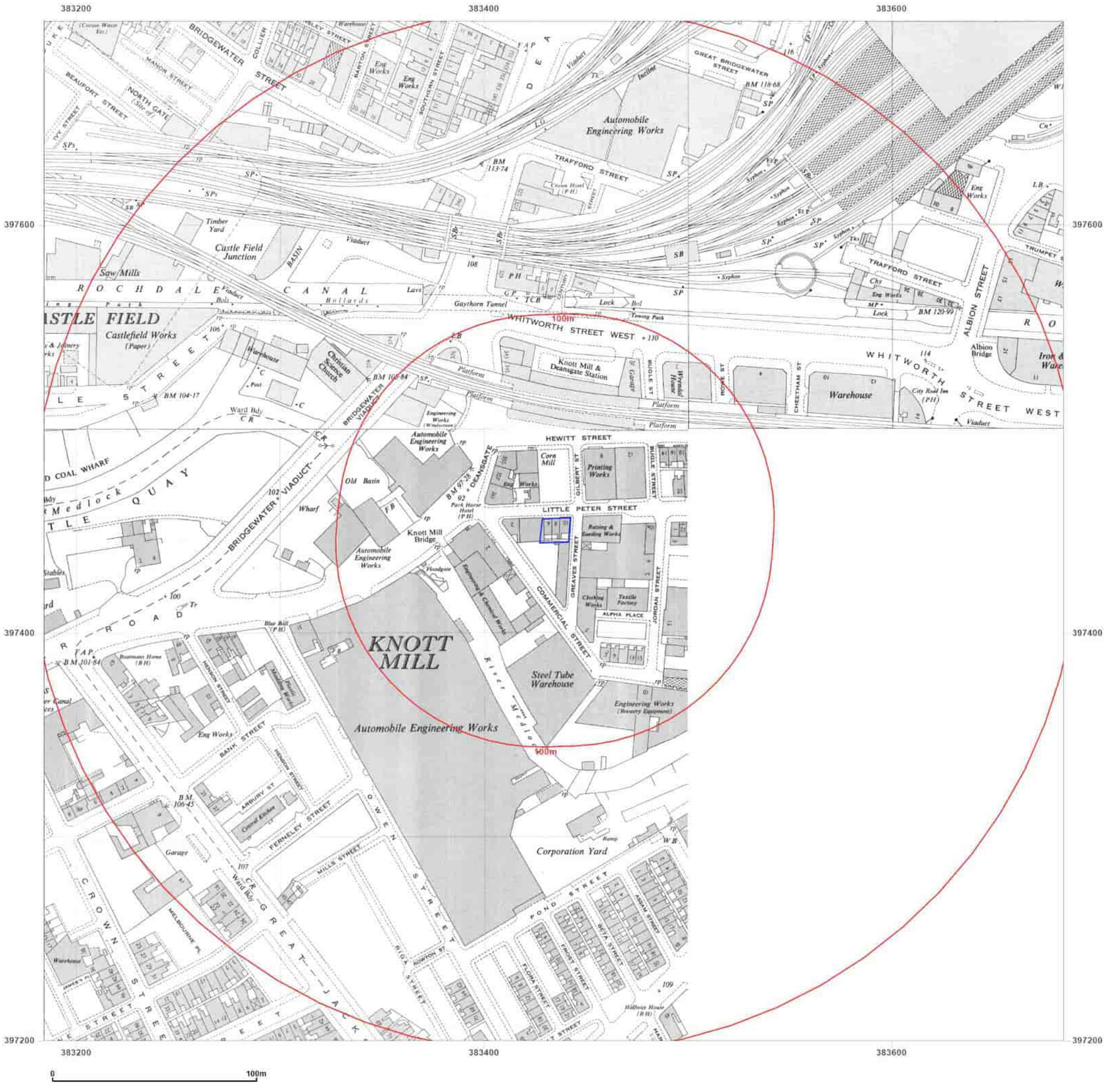
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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1951-1955**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1948
Revised 1955
Edition N/A
Copyright 1955
Levelled 1927

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled 1927

Surveyed 1953
Revised 1953
Edition N/A
Copyright 1954
Levelled 1927

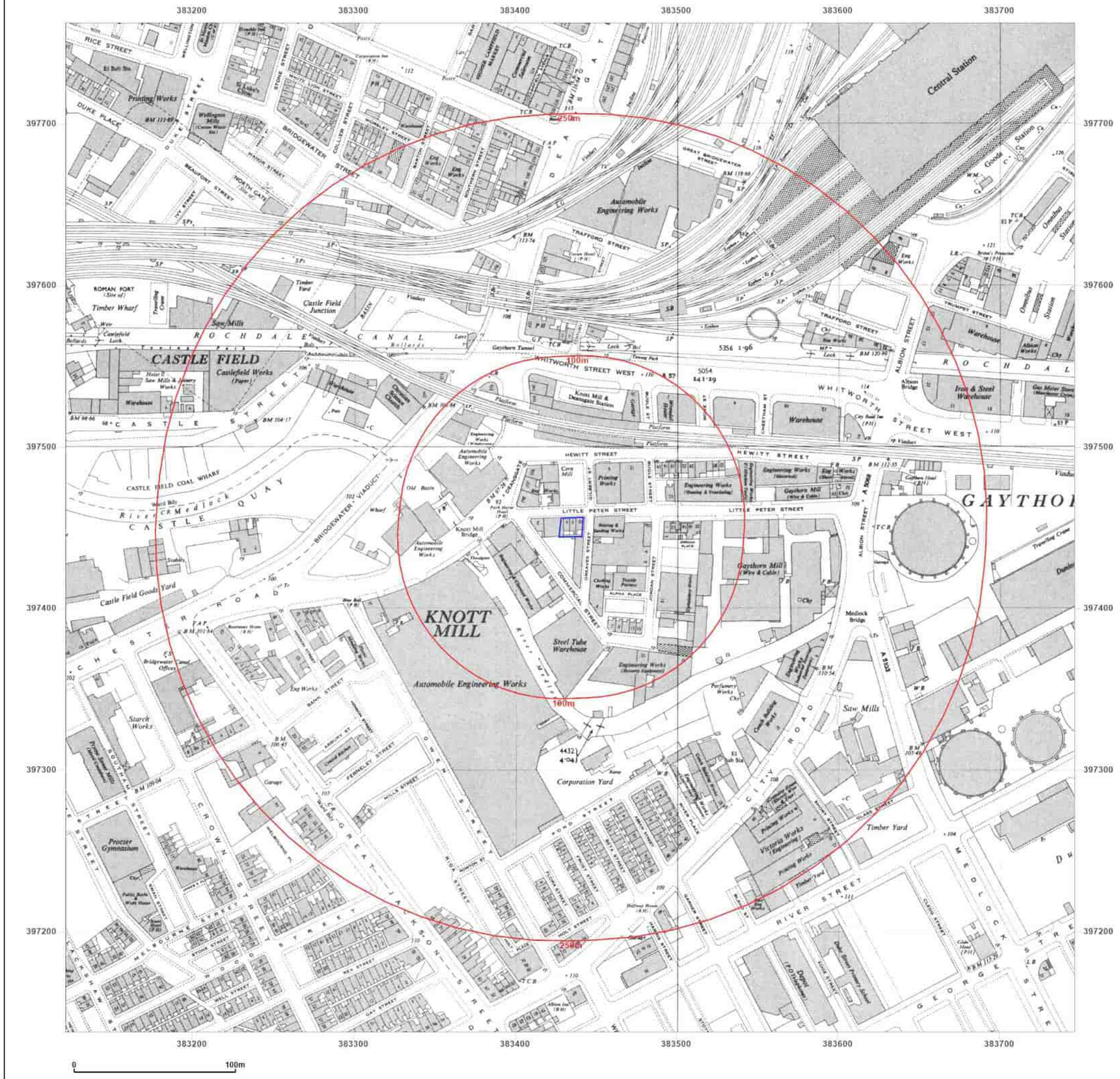
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Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1957**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1953
Revised 1953
Edition N/A
Copyright 1957
Levelled 1927

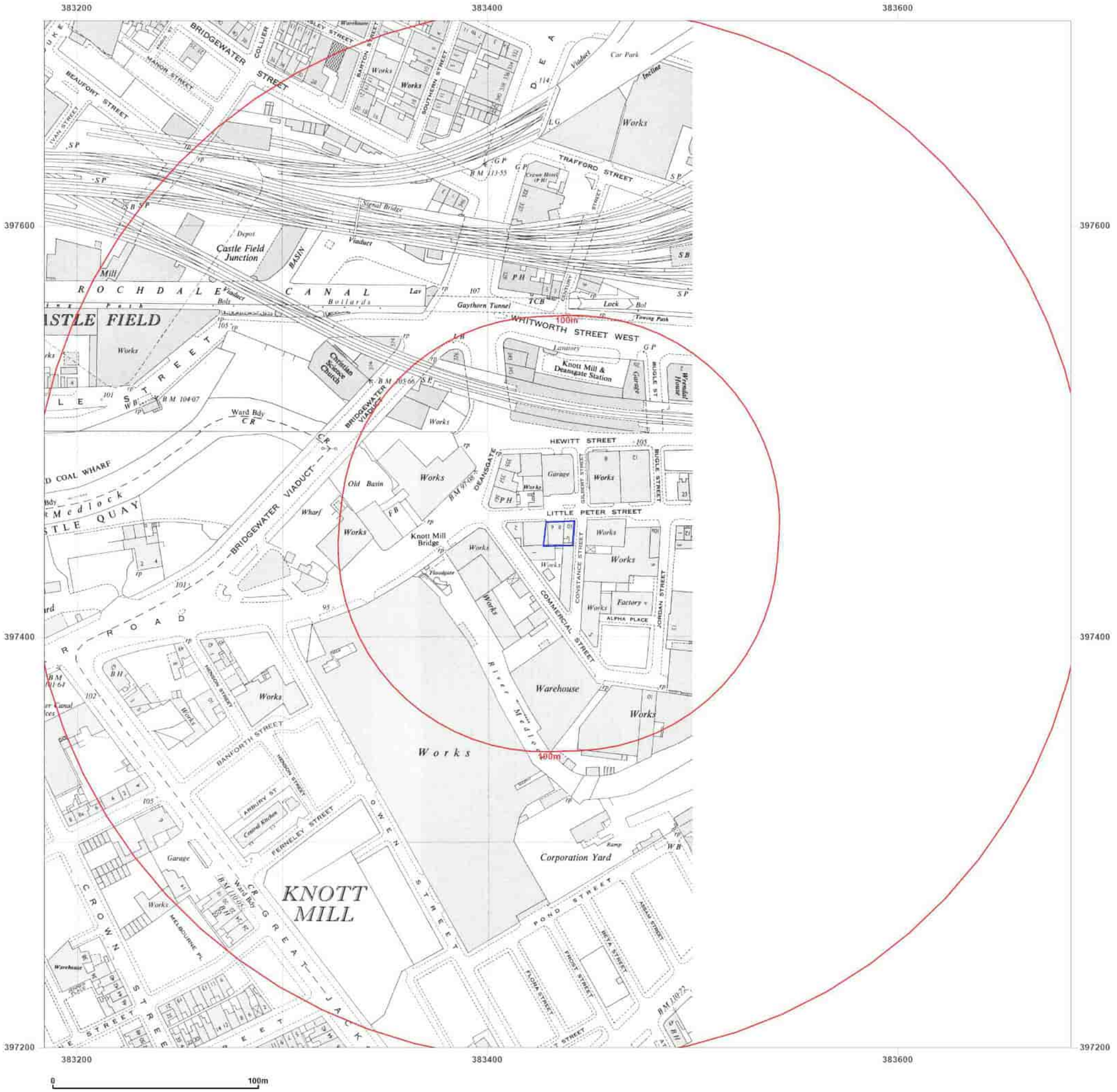
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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1960-1963**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1948
Revised 1962
Edition N/A
Copyright 1963
Levelled 1958

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1958

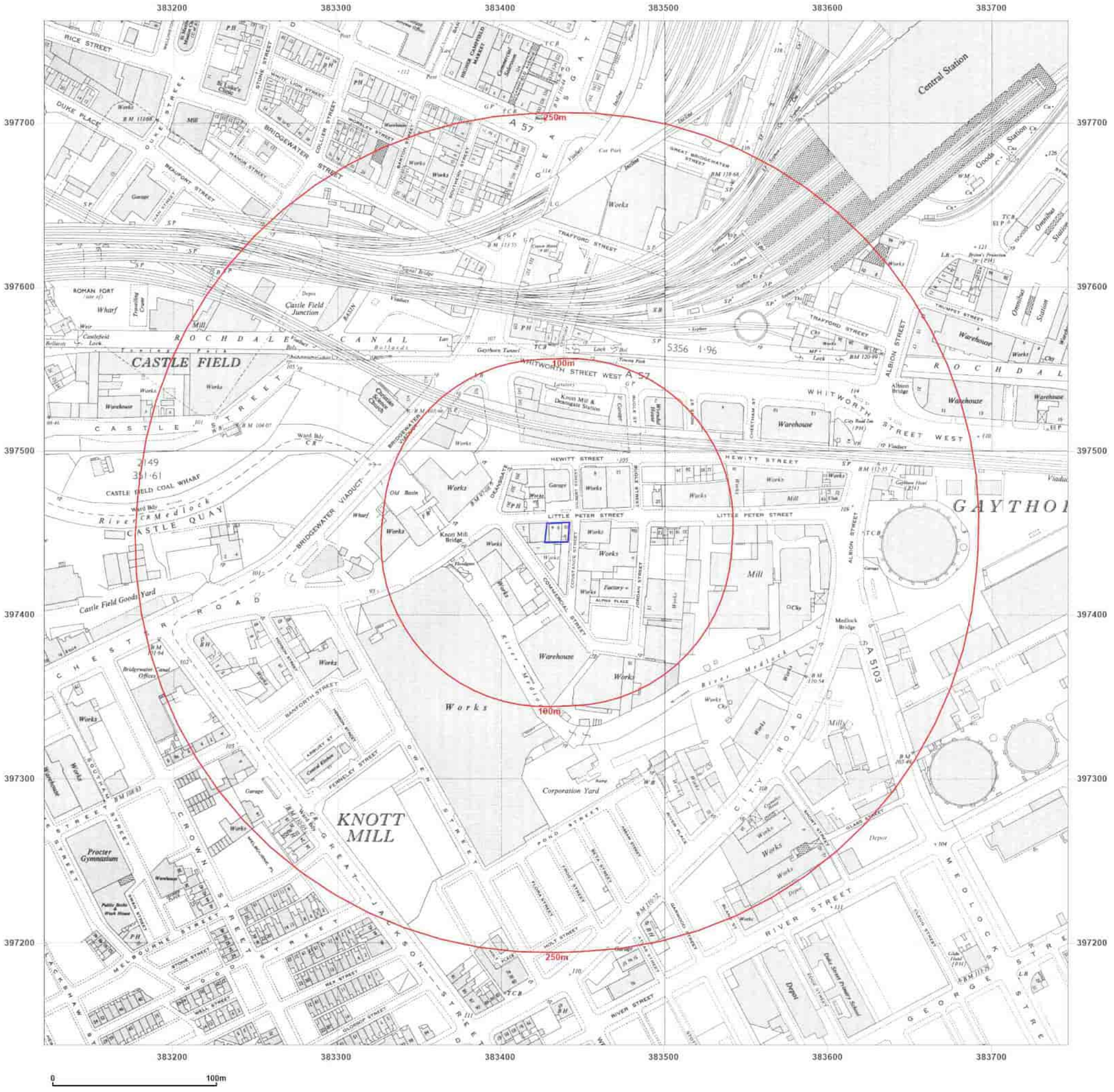
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Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1965**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1963
Revised 1963
Edition N/A
Copyright 1965
Levelled 1958

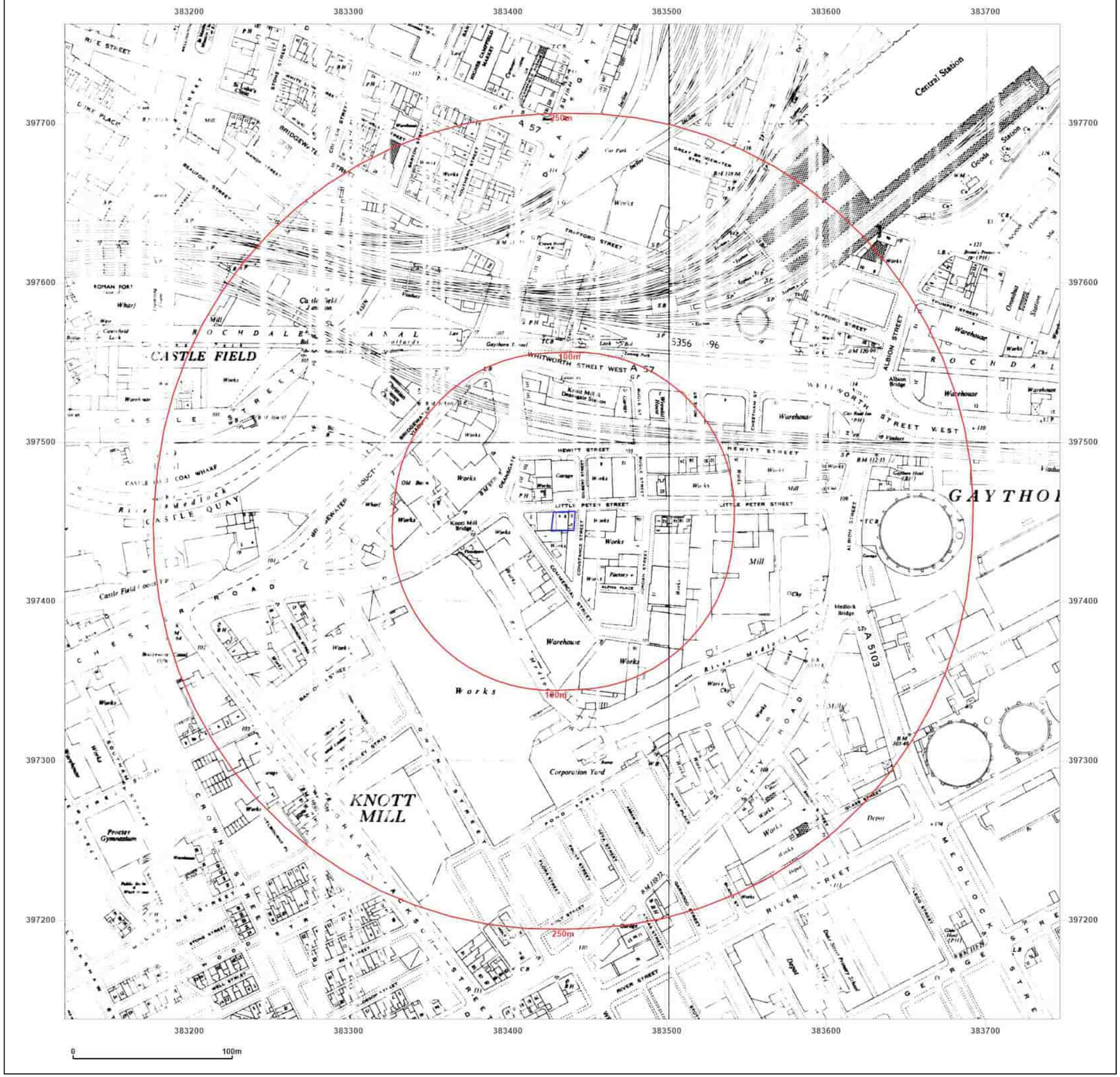
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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1965**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed N/A
Revised 1963
Edition 1965
Copyright N/A
Levelled 1958

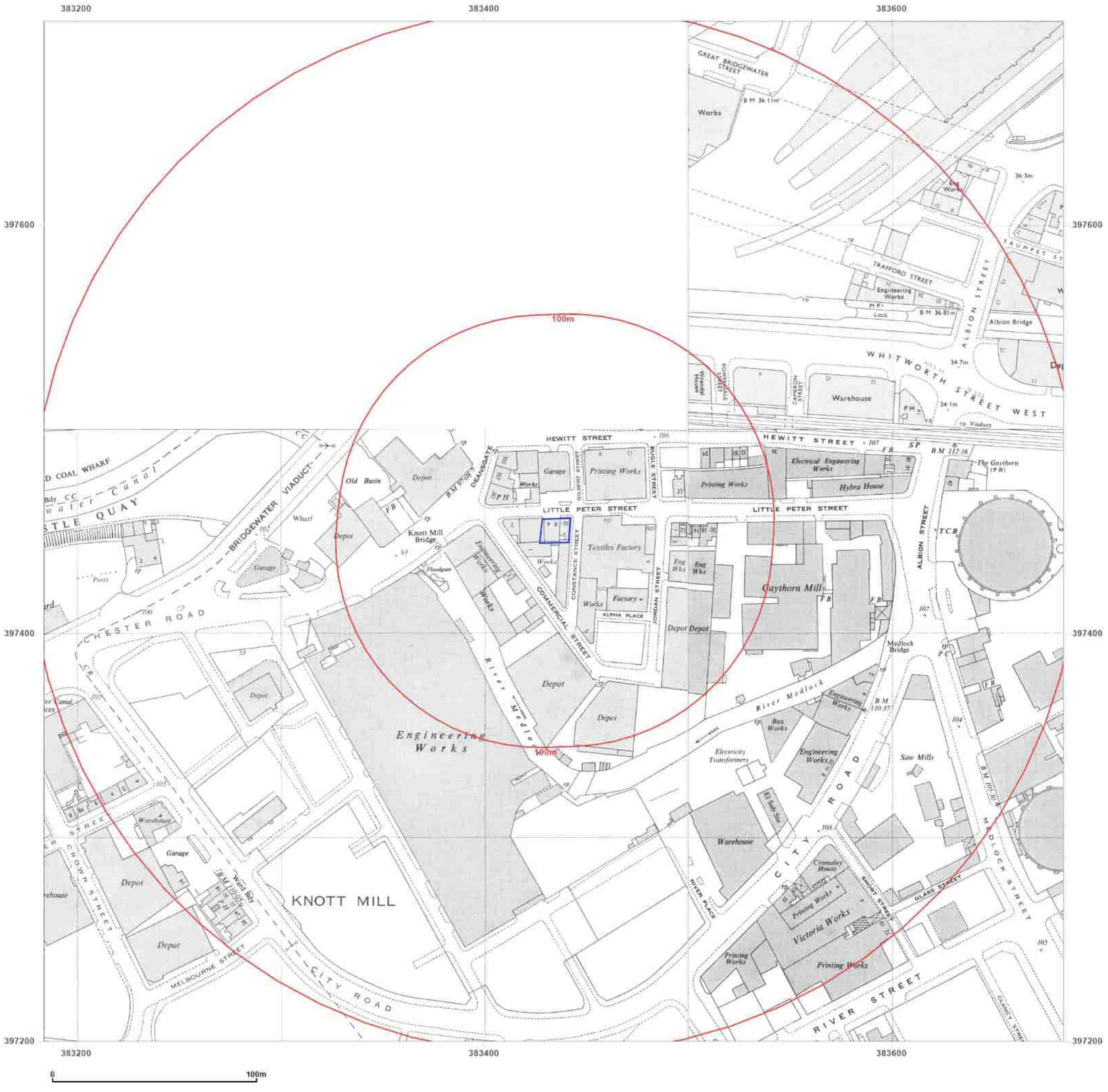
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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1969-1973**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1948
Revised 1972
Edition N/A
Copyright 1973
Levelled 1963

Surveyed 1948
Revised 1968
Edition N/A
Copyright 1969
Levelled 1963

Surveyed 1948
Revised 1968
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Copyright 1969
Levelled 1963

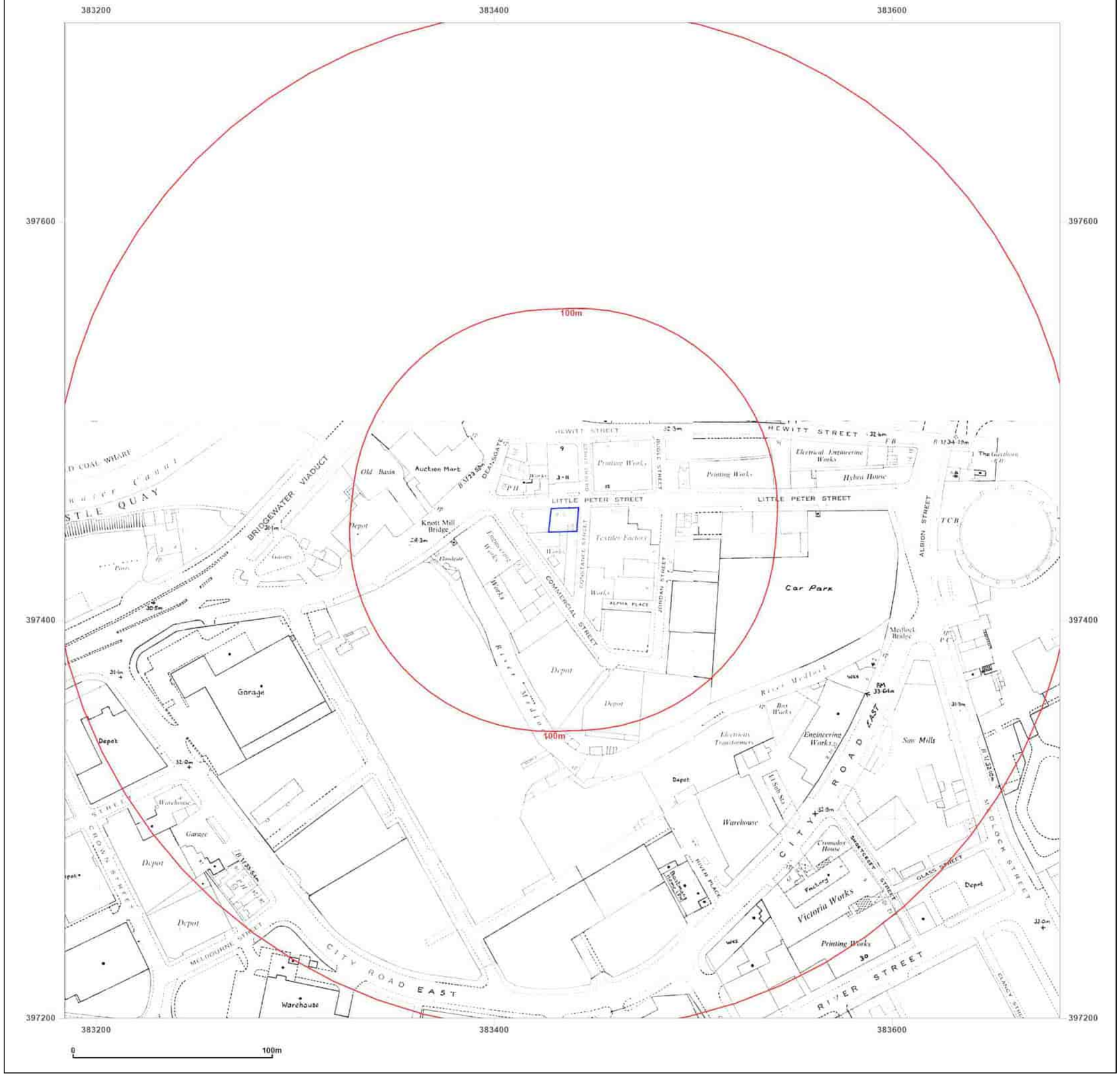
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

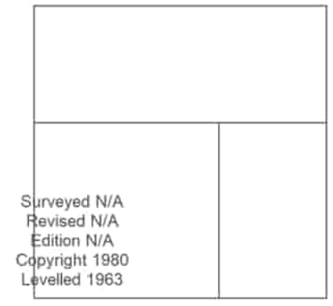
Map Name: National Grid

Map date: **1980**

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Printed at: 1:2,000

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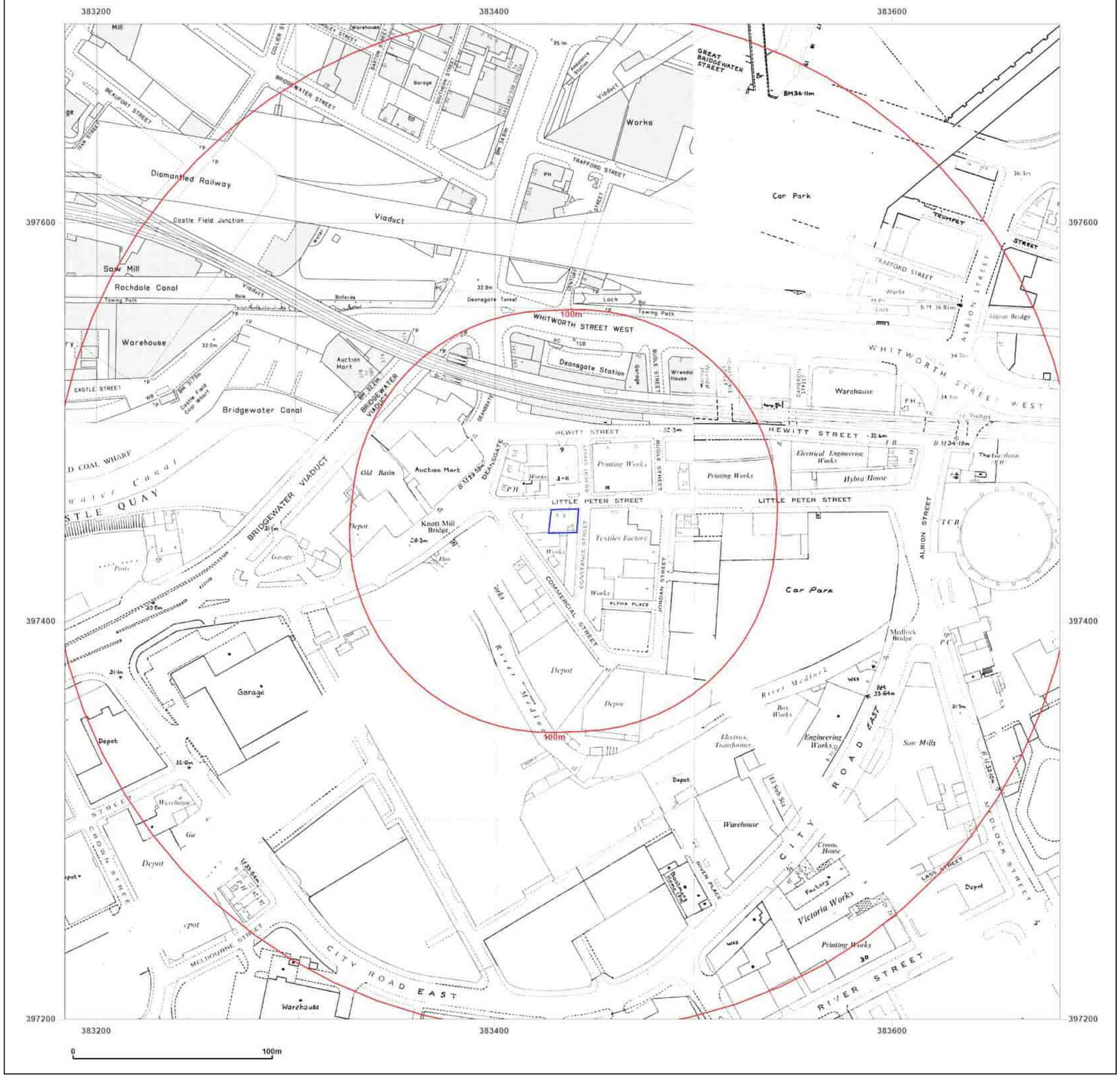
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1980-1985**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1948 Revised 1979 Edition N/A Copyright 1981 Levelled 1963	Surveyed N/A Revised N/A Edition N/A Copyright 1985 Levelled 1963
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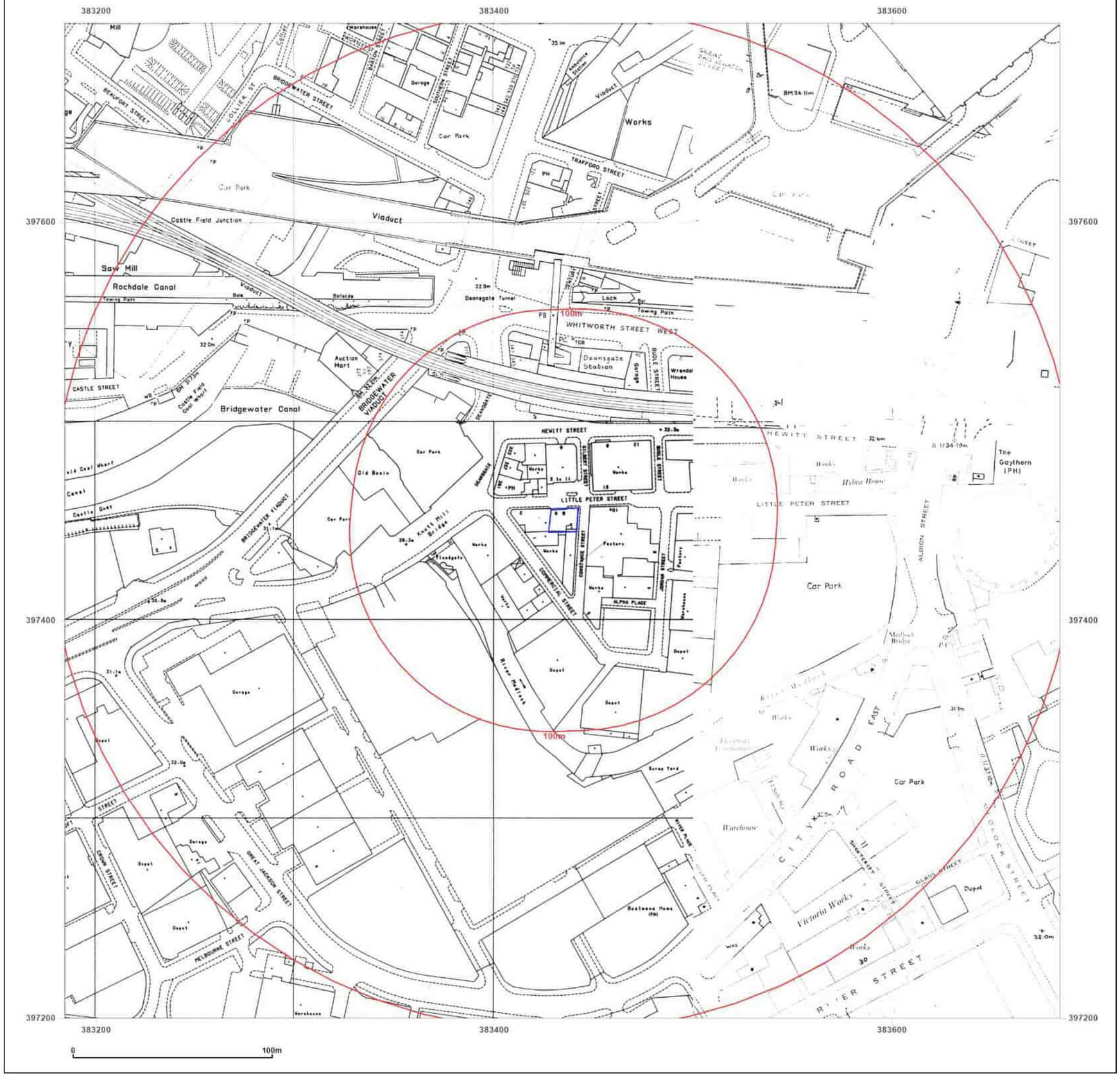
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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1985-1990**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1963 Revised 1986 Edition N/A Copyright 1986 Levelled 1963	Surveyed N/A Revised N/A Edition N/A Copyright 1986 Levelled 1963
Surveyed 1968 Revised 1968 Edition N/A Copyright 1990 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1985 Levelled 1963

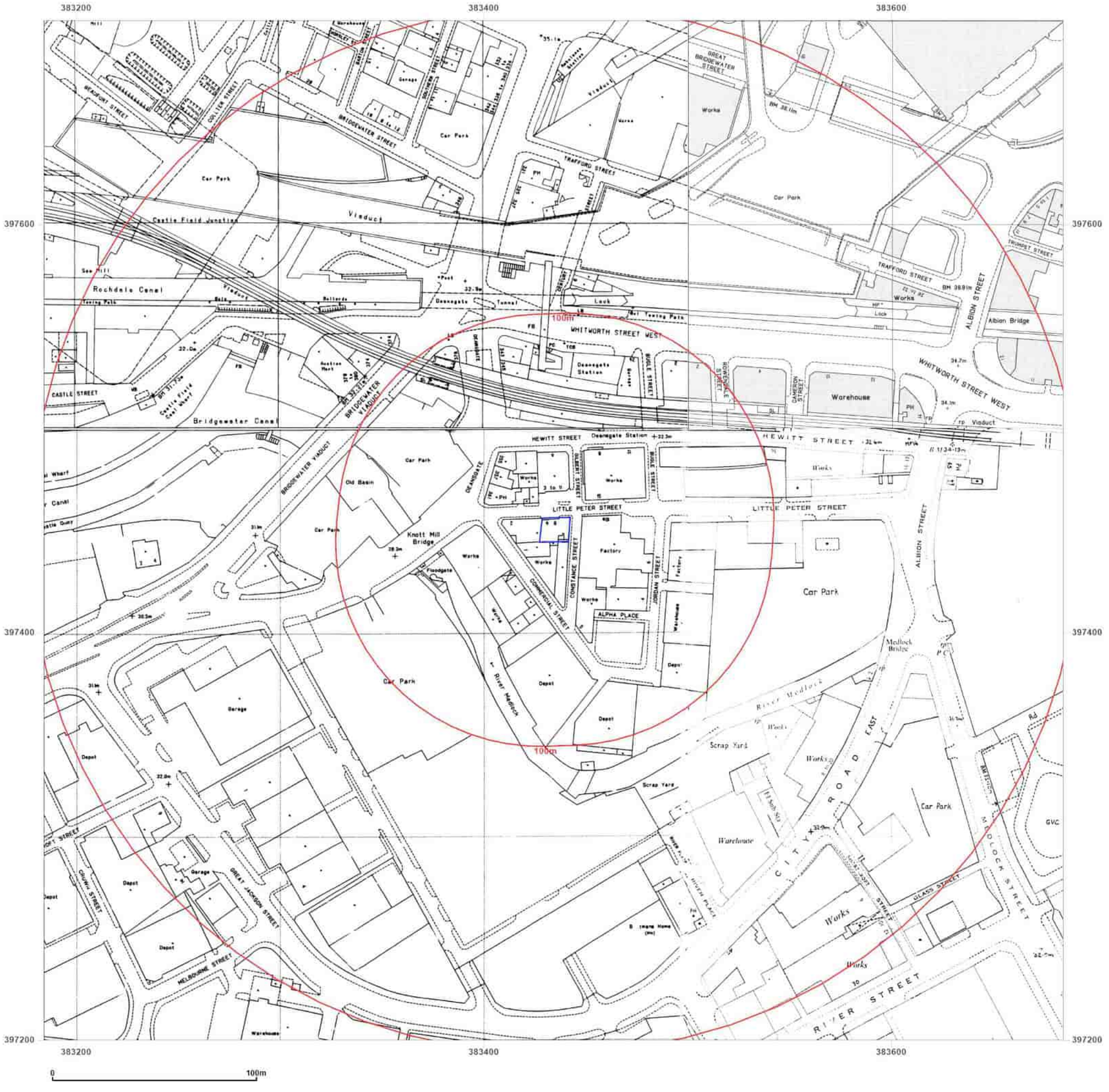
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1987-1992**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed 1948 Revised 1979 Edition N/A Copyright 1990 Levelled N/A	Surveyed 1948 Revised 1987 Edition N/A Copyright 1988 Levelled 1963
Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A	Surveyed 1963 Revised 1987 Edition N/A Copyright 1987 Levelled 1963

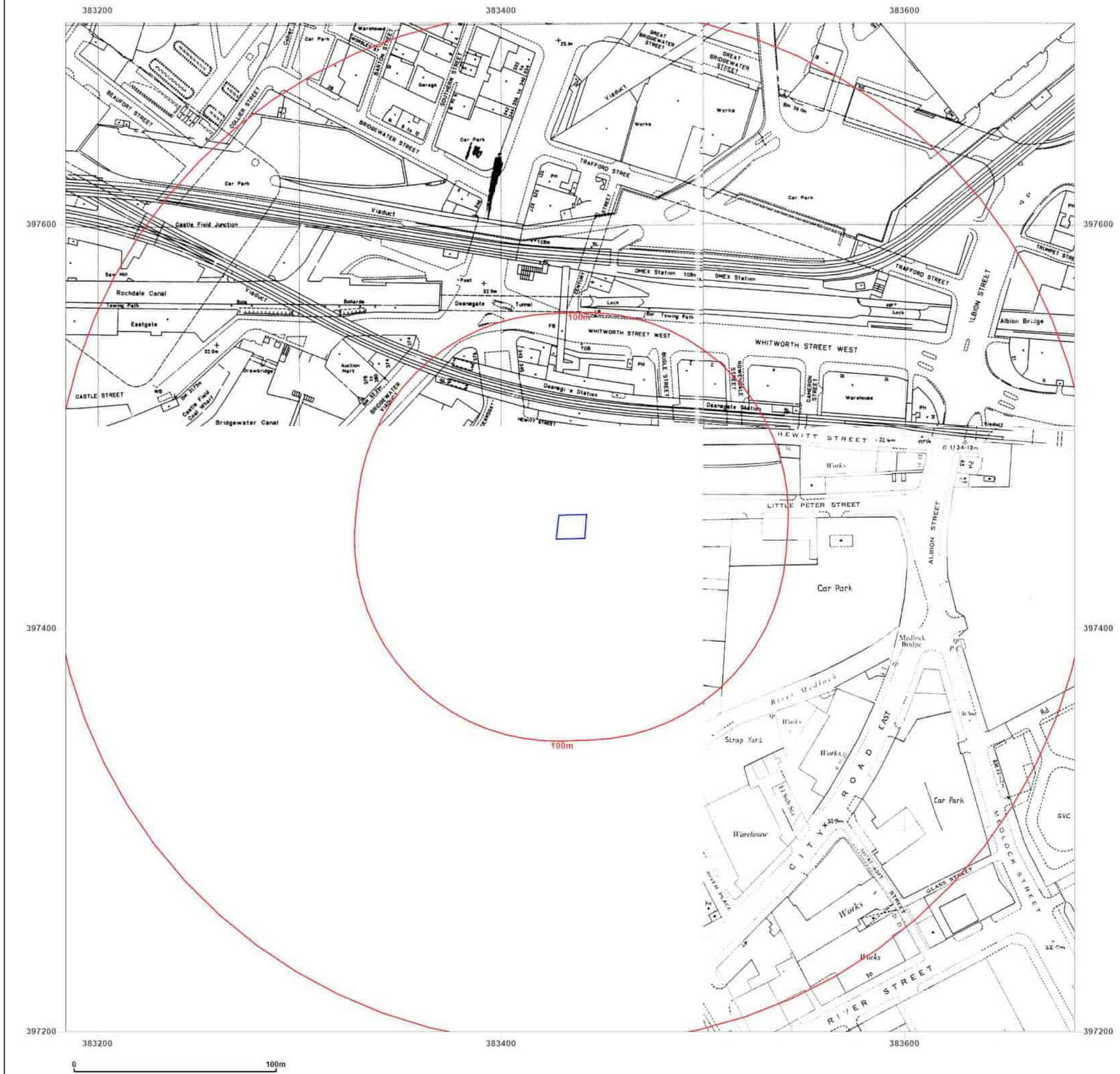
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1987-1992**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

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

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

Surveyed N/A
Revised 1987
Edition N/A
Copyright 1987
Levelled 1963

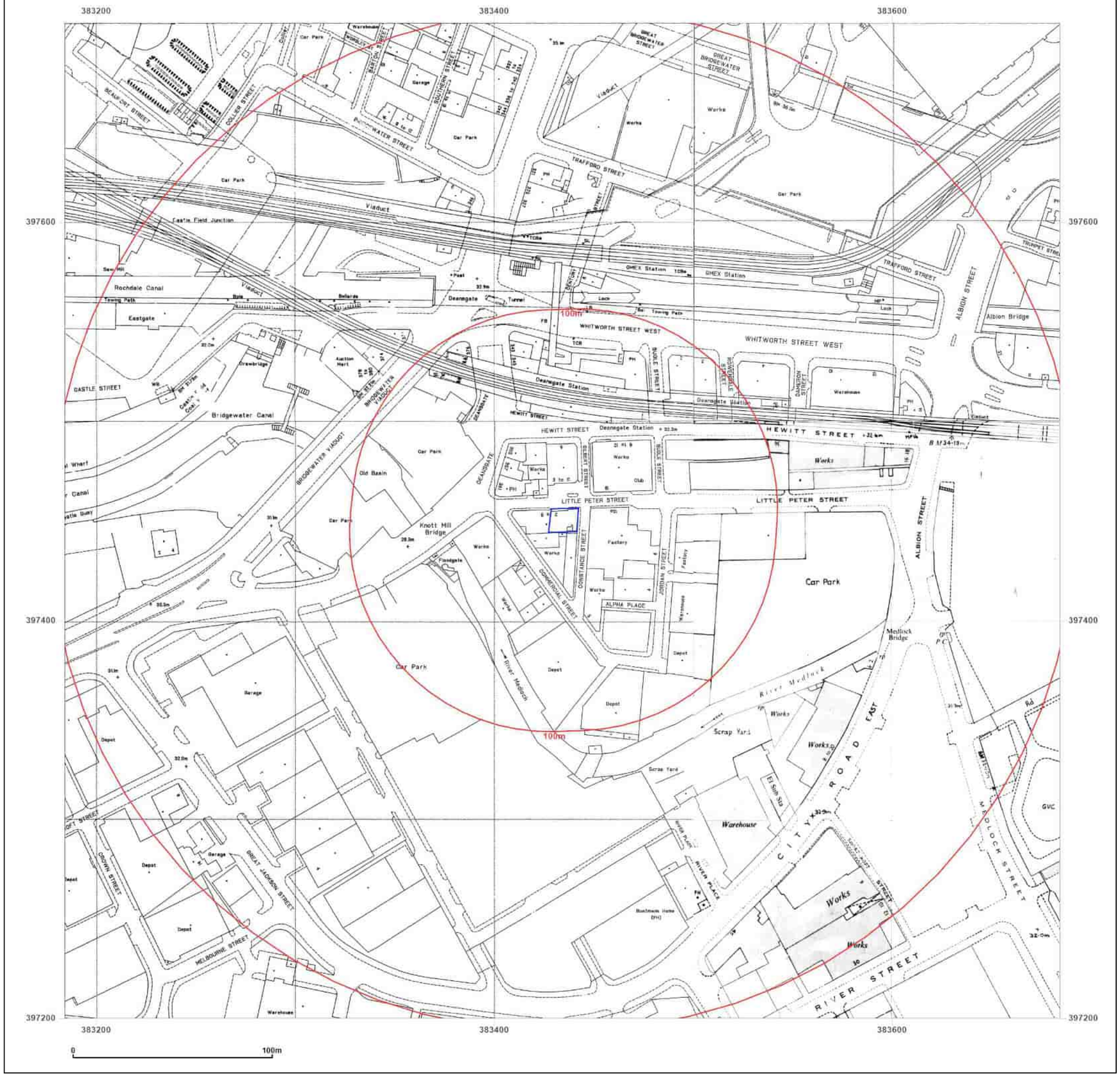
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1990-1995**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A	Surveyed N/A Revised 1994 Edition N/A Copyright 1994 Levelled N/A
Surveyed 1995 Revised 1995 Edition N/A Copyright 1995 Levelled N/A	Surveyed 1963 Revised 1990 Edition N/A Copyright 1990 Levelled 1963

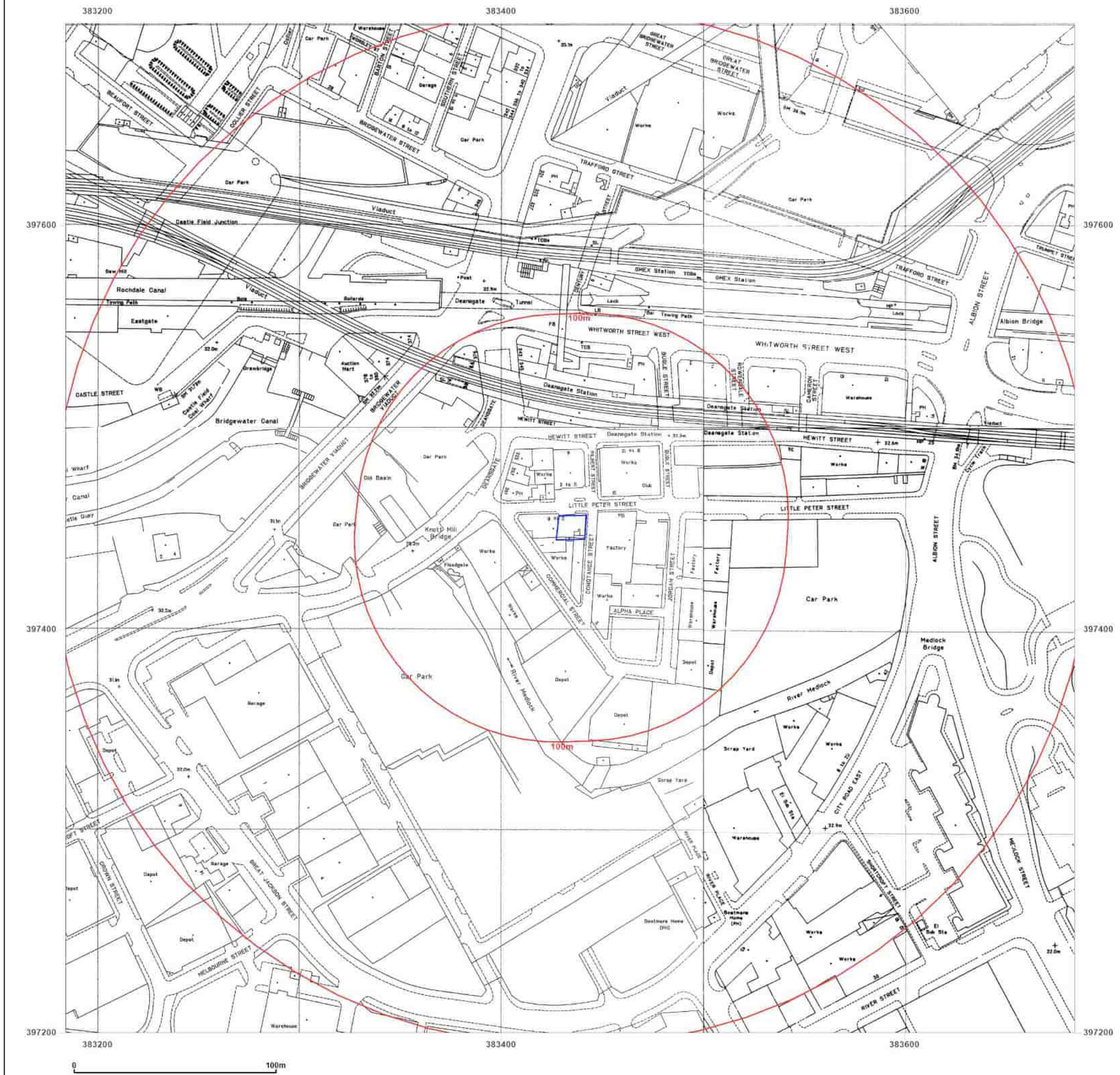
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1992-1995**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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Surveyed 1994 Revised 1994 Edition N/A Copyright 1994 Levelled N/A	Surveyed N/A Revised 1994 Edition N/A Copyright 1994 Levelled N/A
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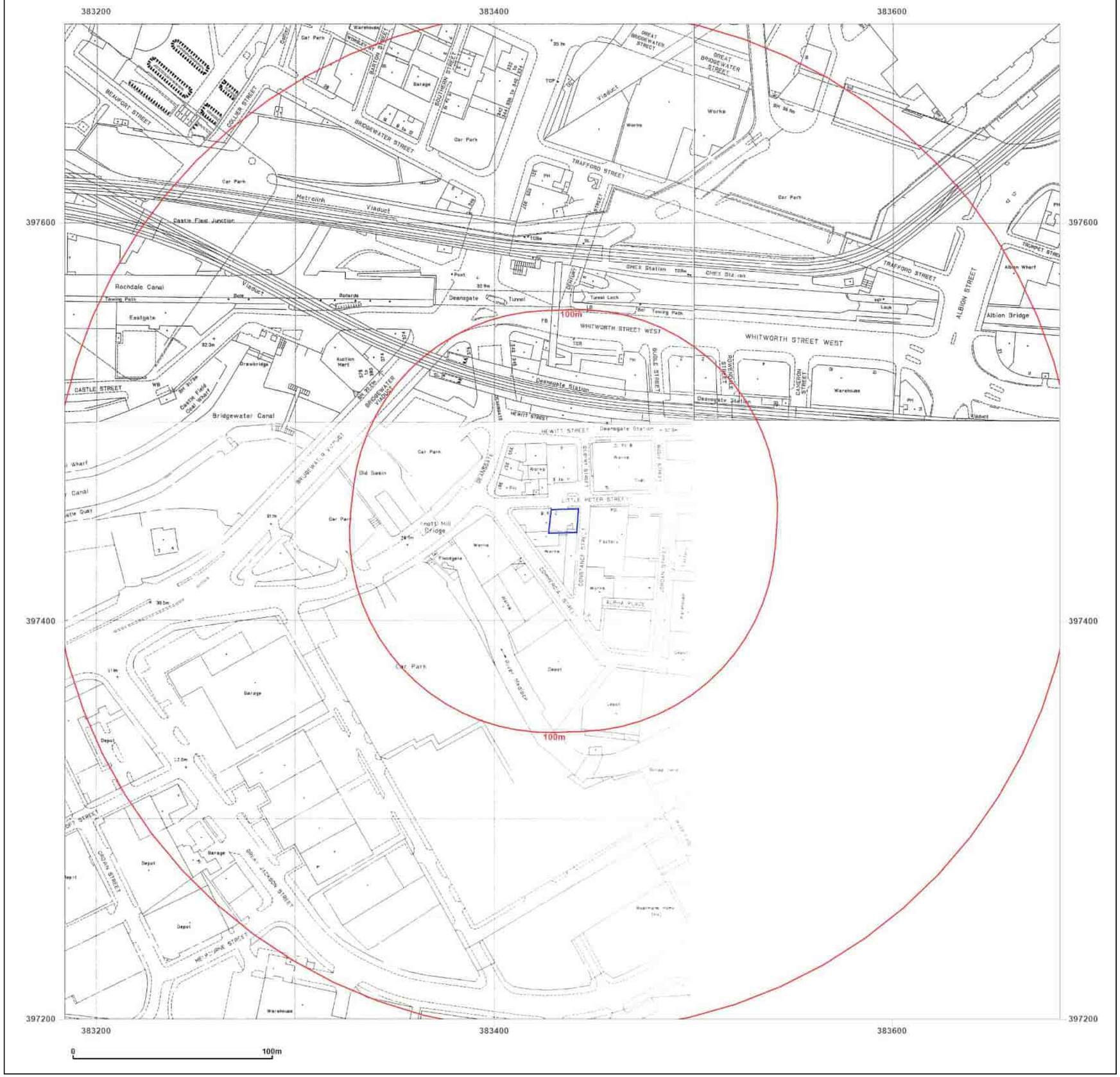
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1995**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

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

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

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

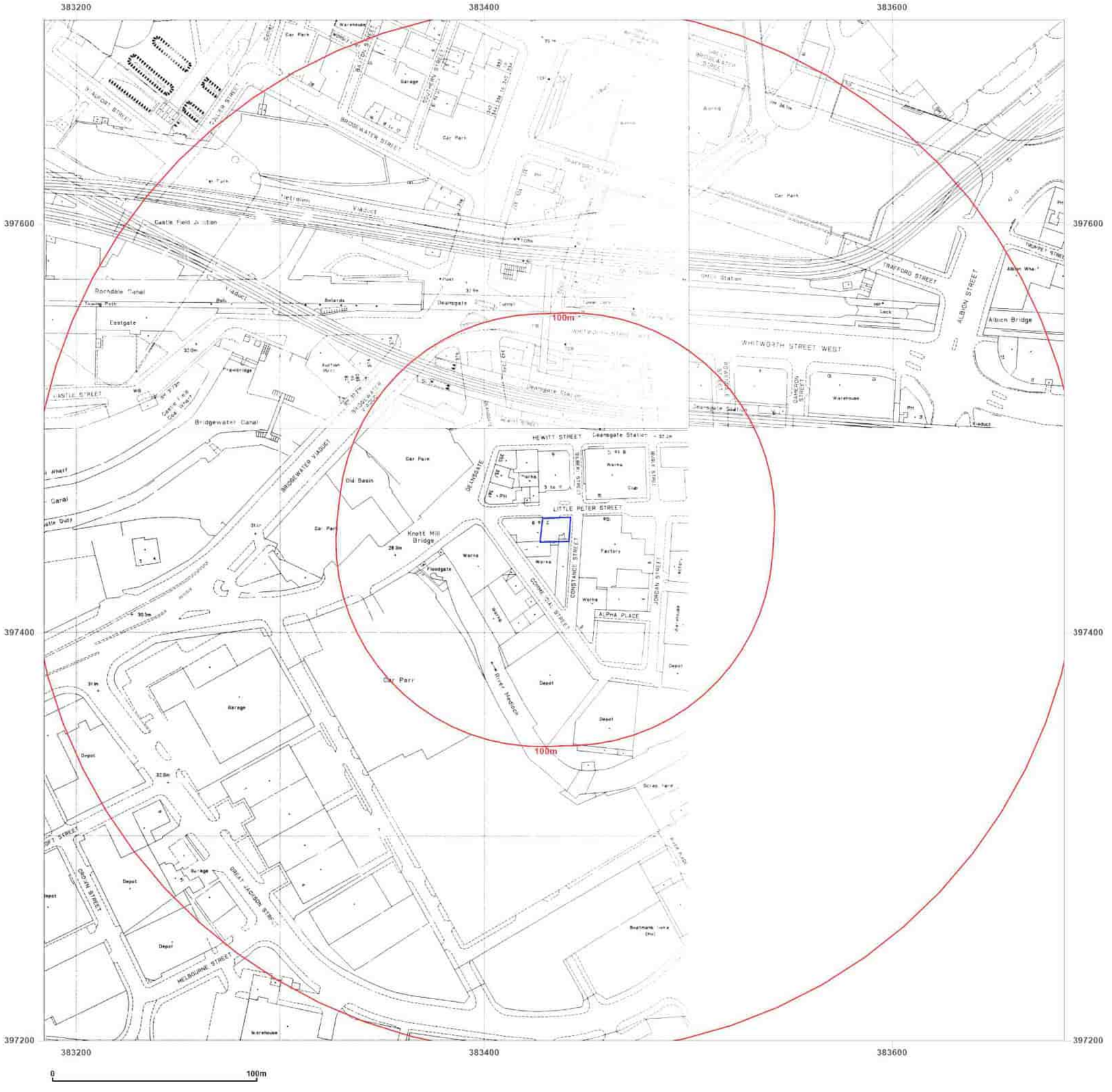
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1995**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

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

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

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Levelled N/A

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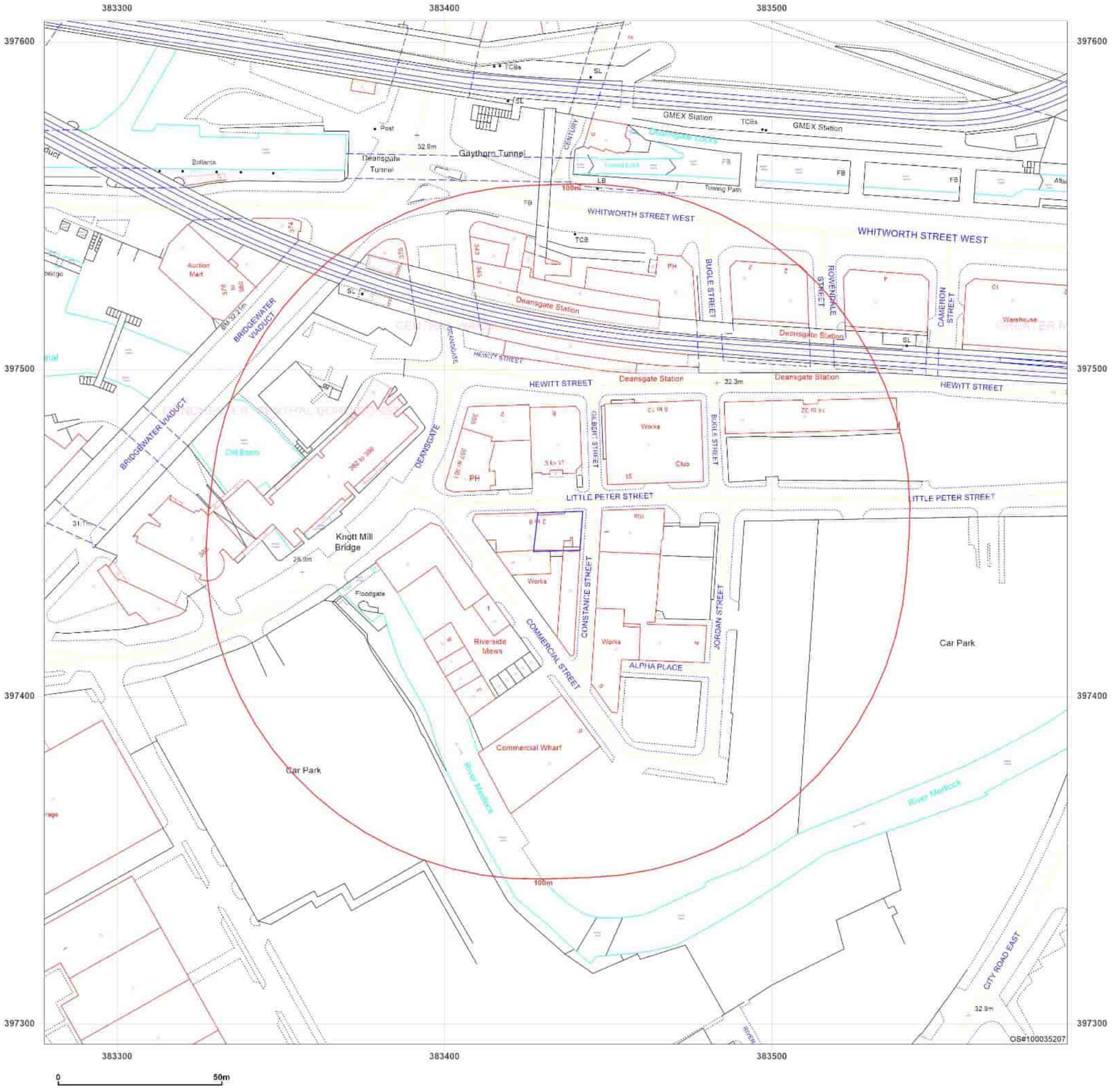
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

N
W E
S

2003

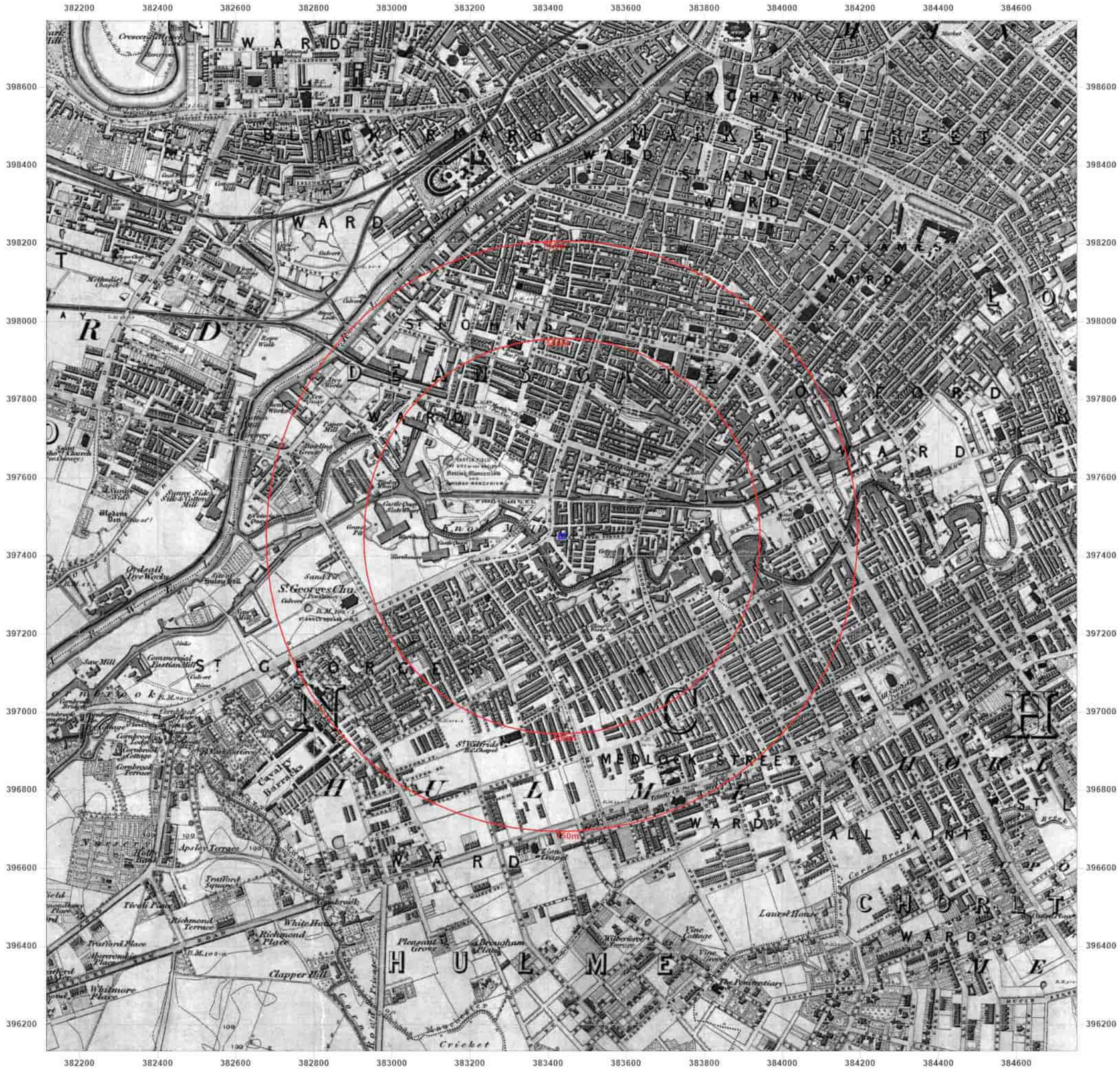
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1848**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1845
Revised N/A
Edition 1848
Copyright N/A
Levelled N/A

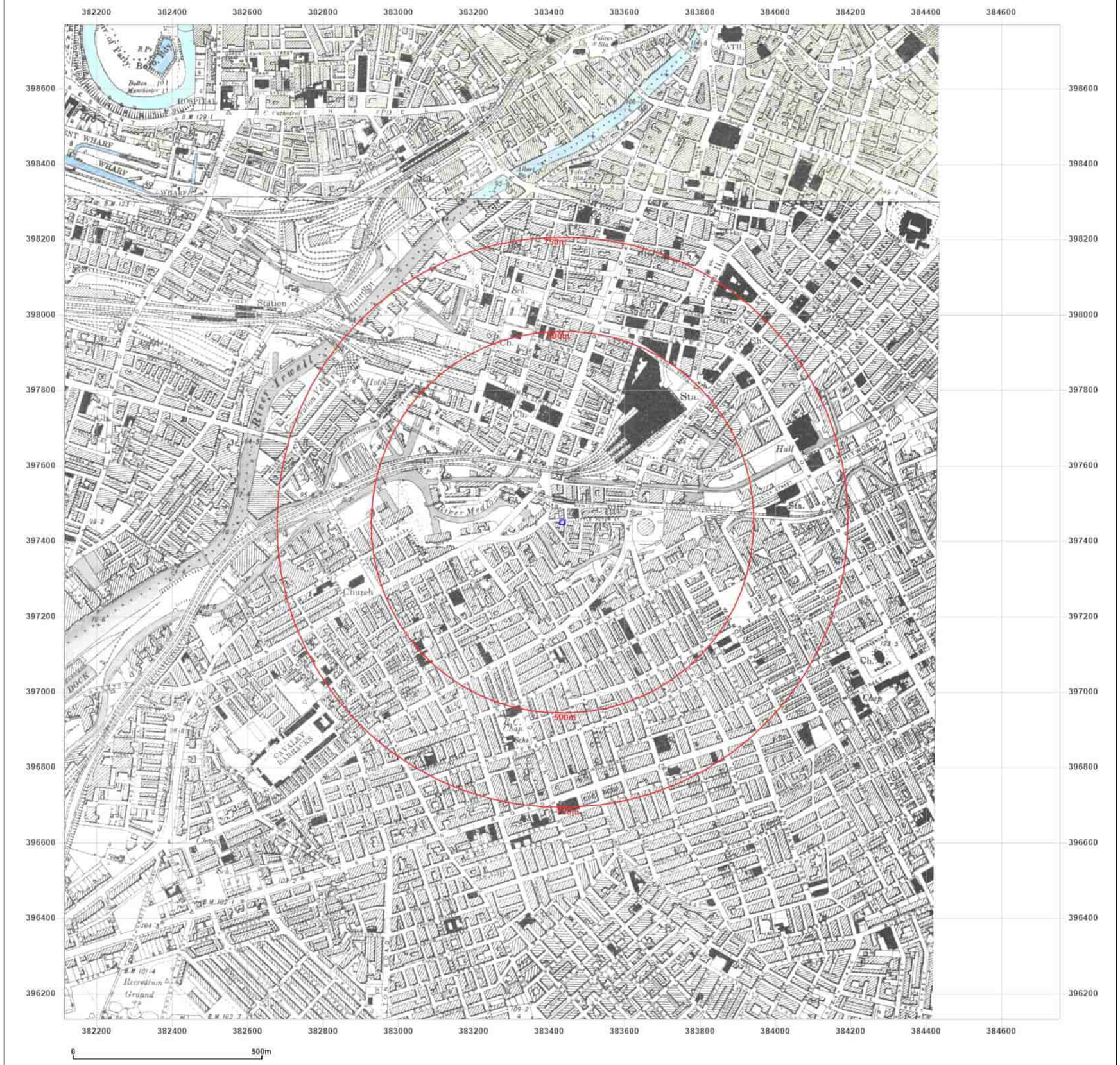
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

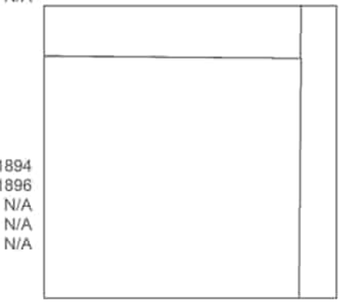
Map date: **1894-1896**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1889
Revised 1889
Edition 1894
Copyright N/A
Levelled N/A



Surveyed 1894
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

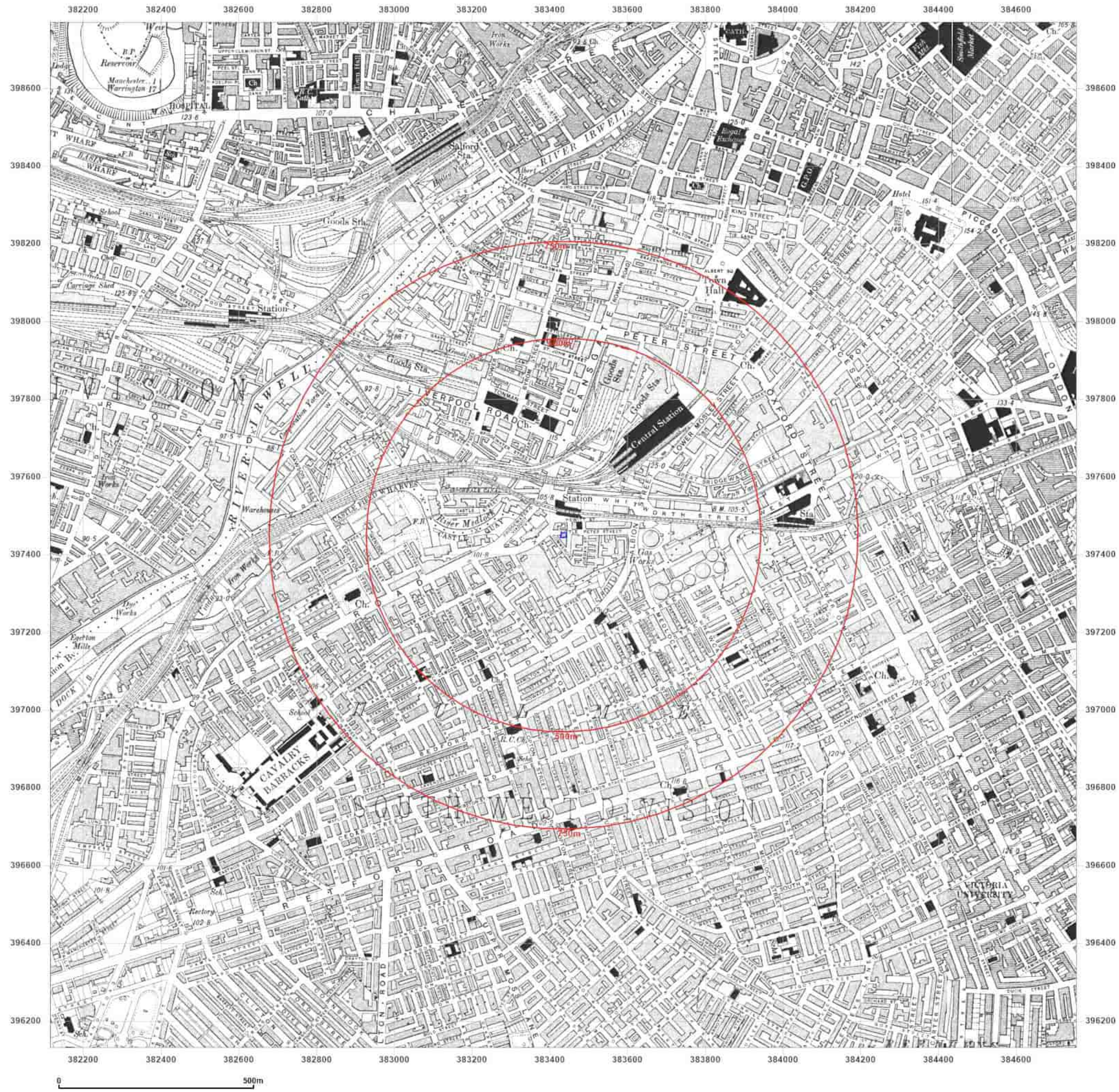
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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1905-1906**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1844
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1905
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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

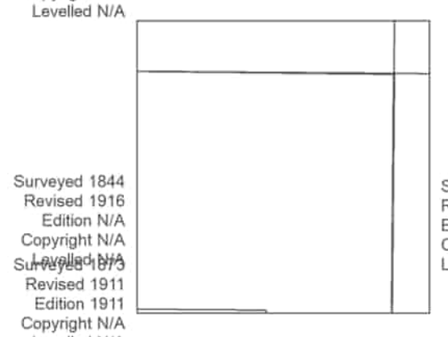
Map date: **1911-1916**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1844
Revised 1916
Edition N/A
Copyright N/A
Levelled N/A



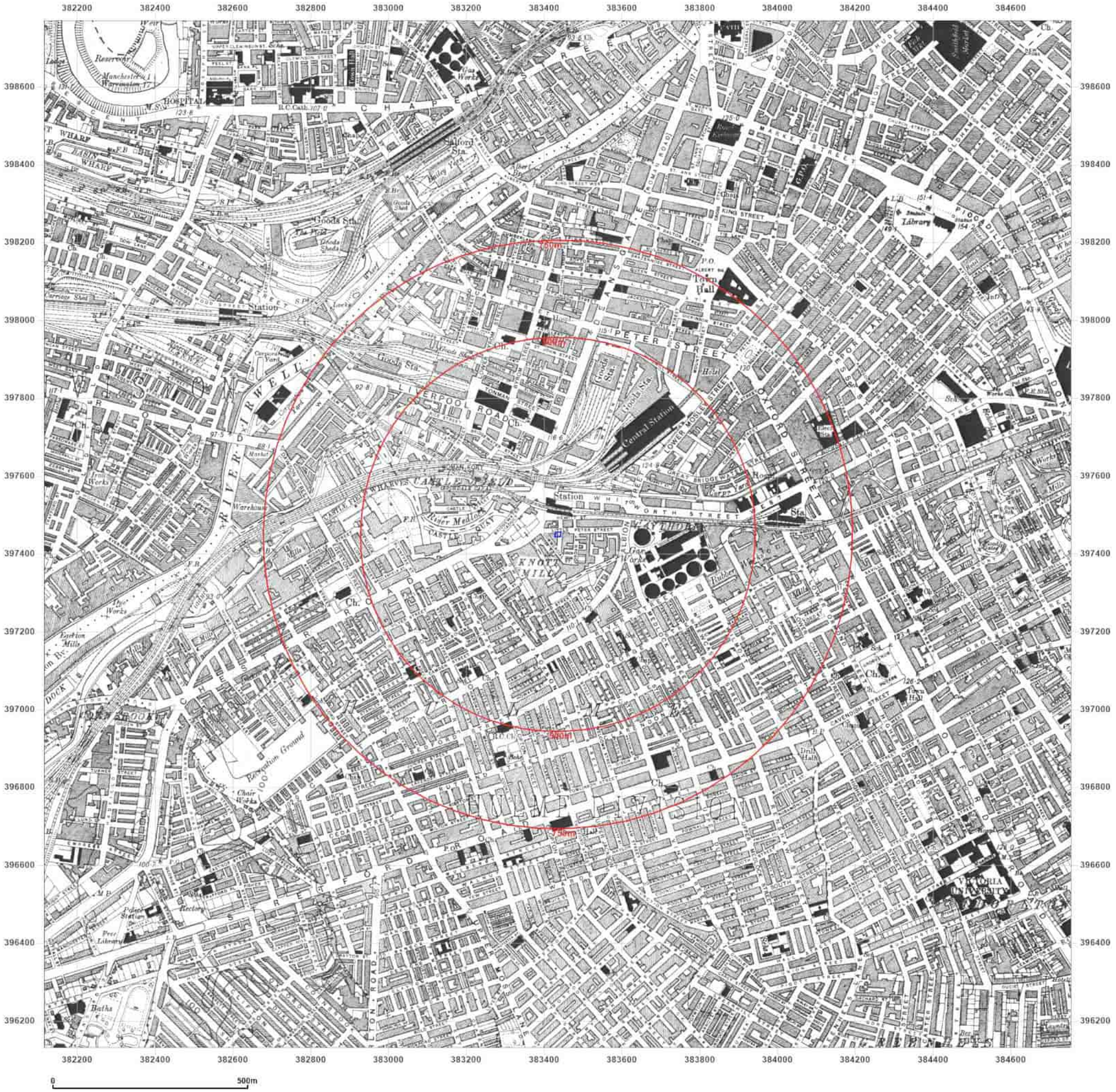
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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1921-1923**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1844
Revised 1921
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: County Series

Map date: **1931-1934**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1844
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1933
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1934
Edition N/A
Copyright N/A
Levelled N/A

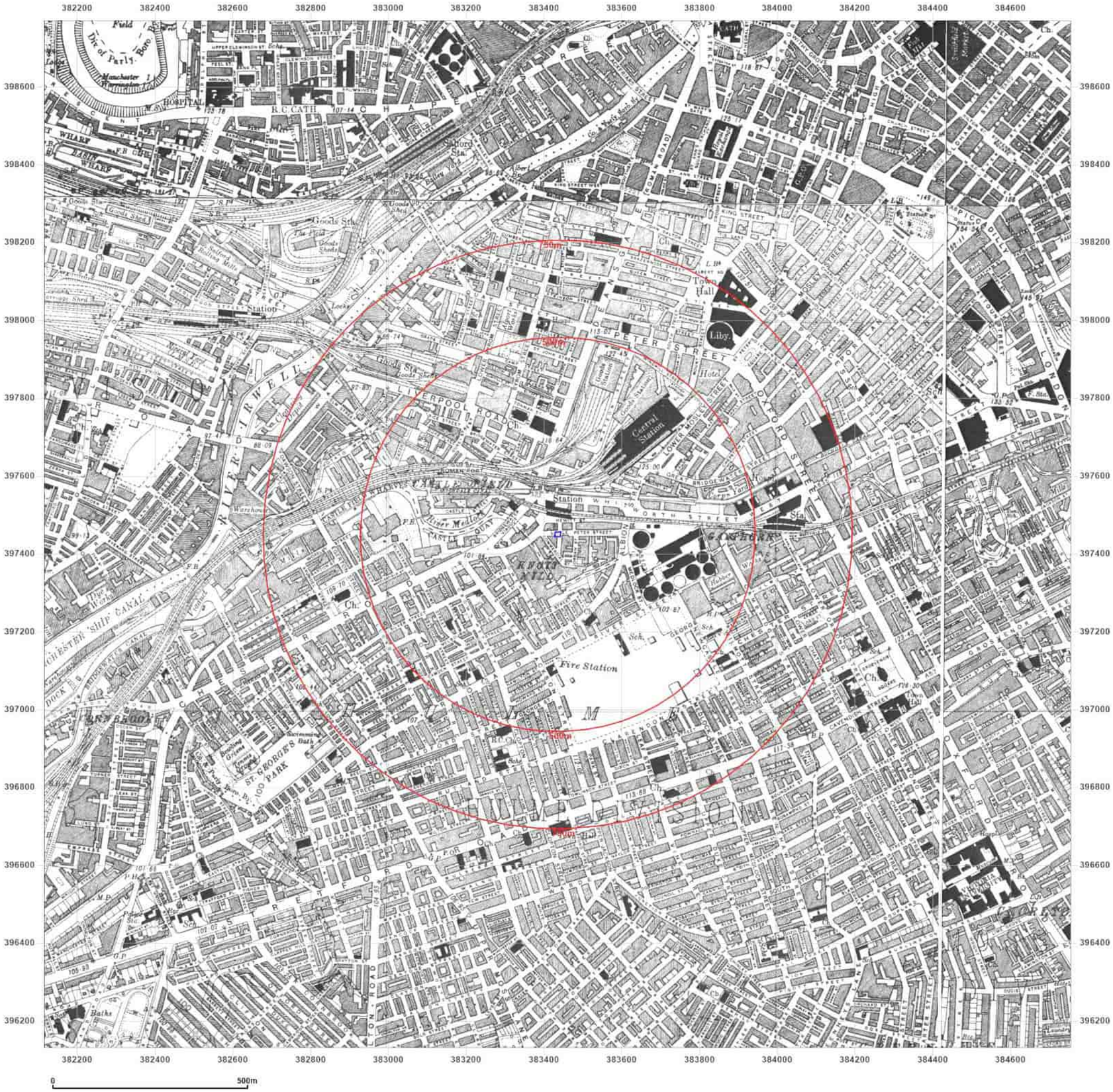
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Groundsure INSIGHTS

Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

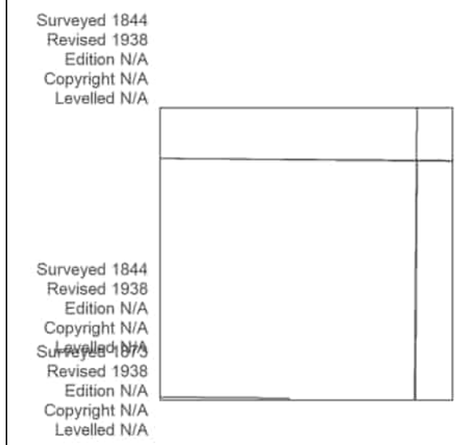
Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



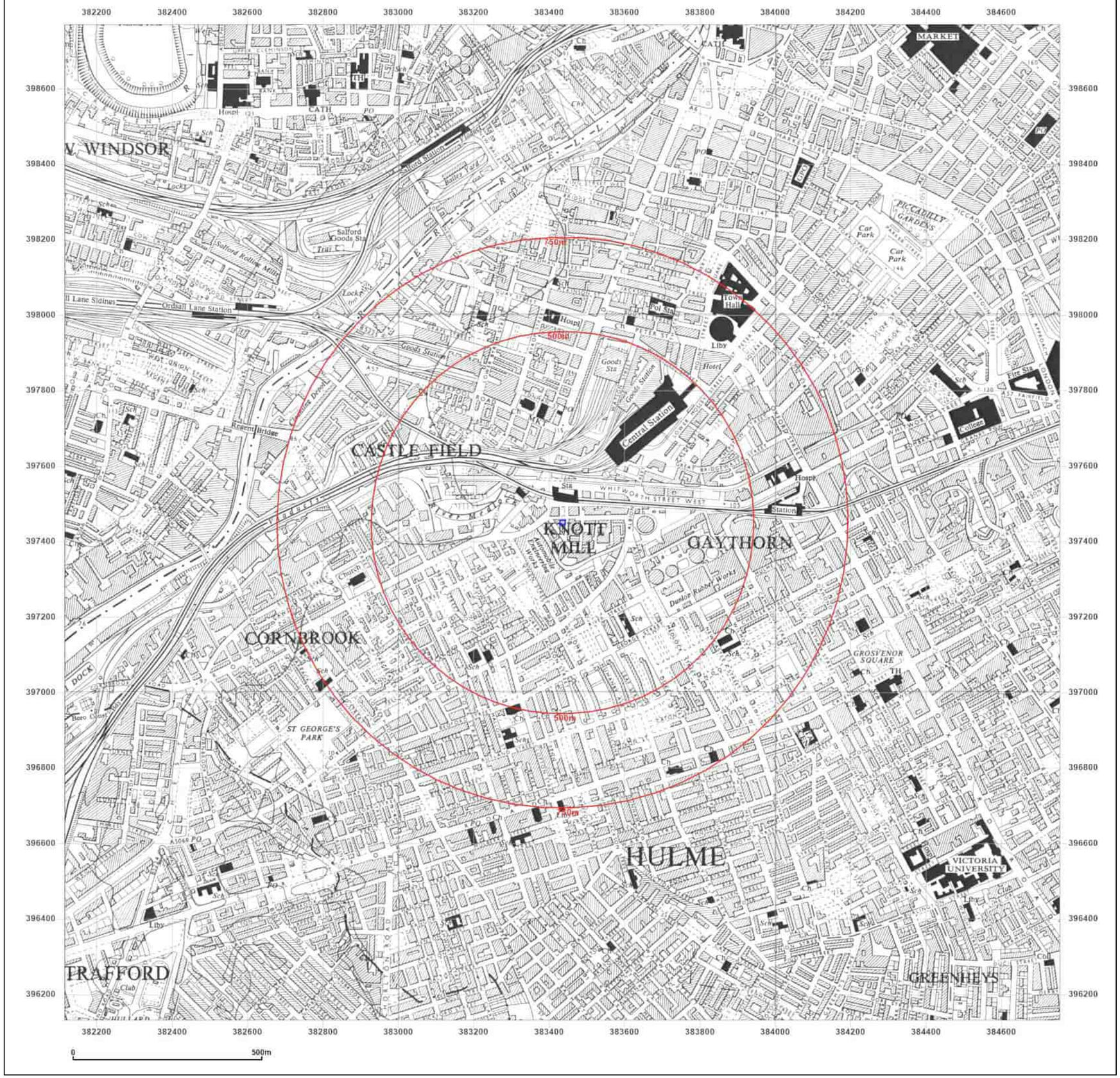
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: Provisional

Map date: **1956**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

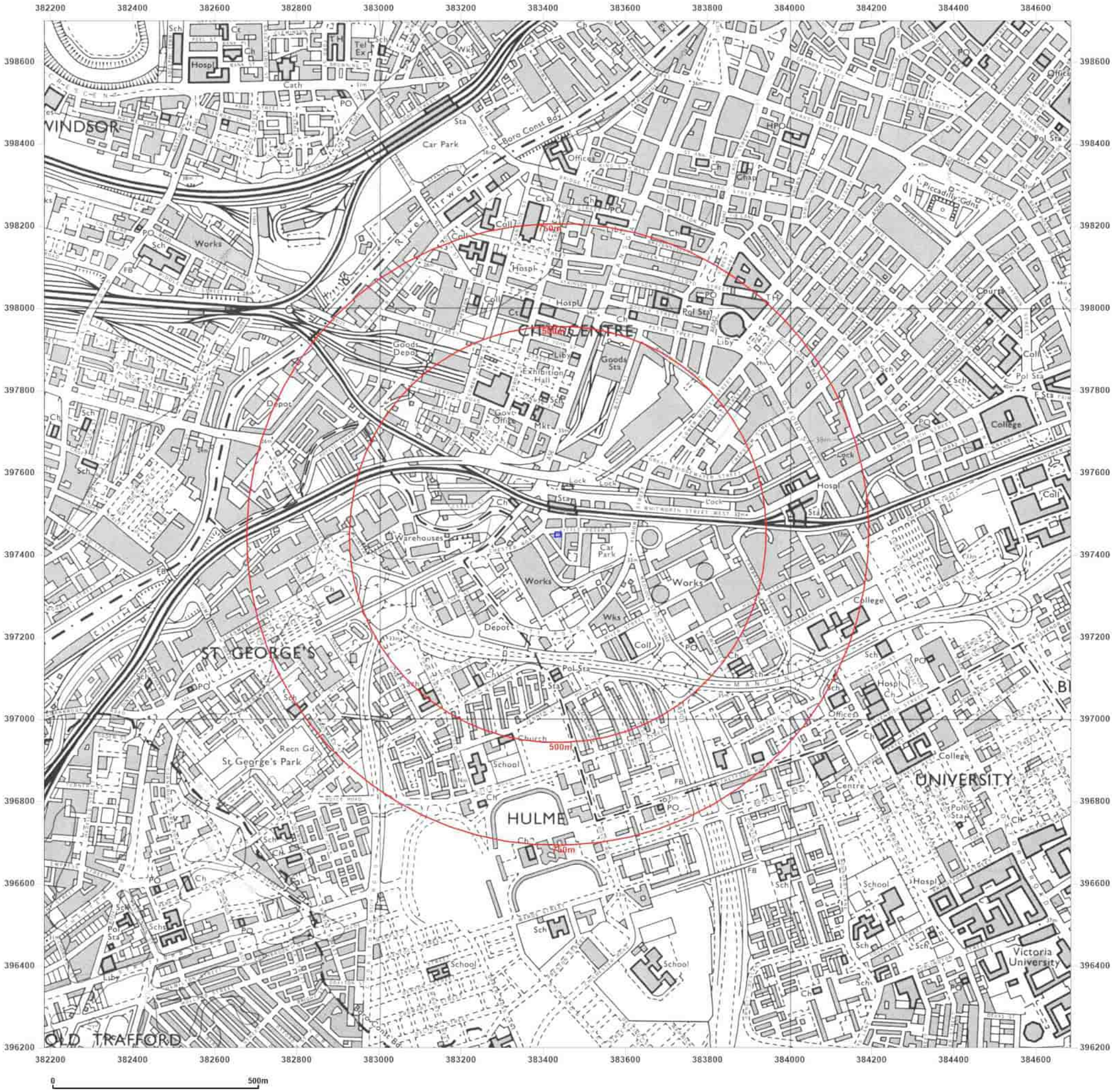
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Groundsure INSIGHTS

Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1972**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1971
Revised 1972
Edition N/A
Copyright 1972
Levelled 1972

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Groundsure INSIGHTS

Site Details:

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Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1980**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1976
Revised 1980
Edition N/A
Copyright 1980
Levelled 1976

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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1985**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1983
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1988**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1986
Revised 1988
Edition N/A
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **1994**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

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Revised 1994
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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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2001

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Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N W E S

2010

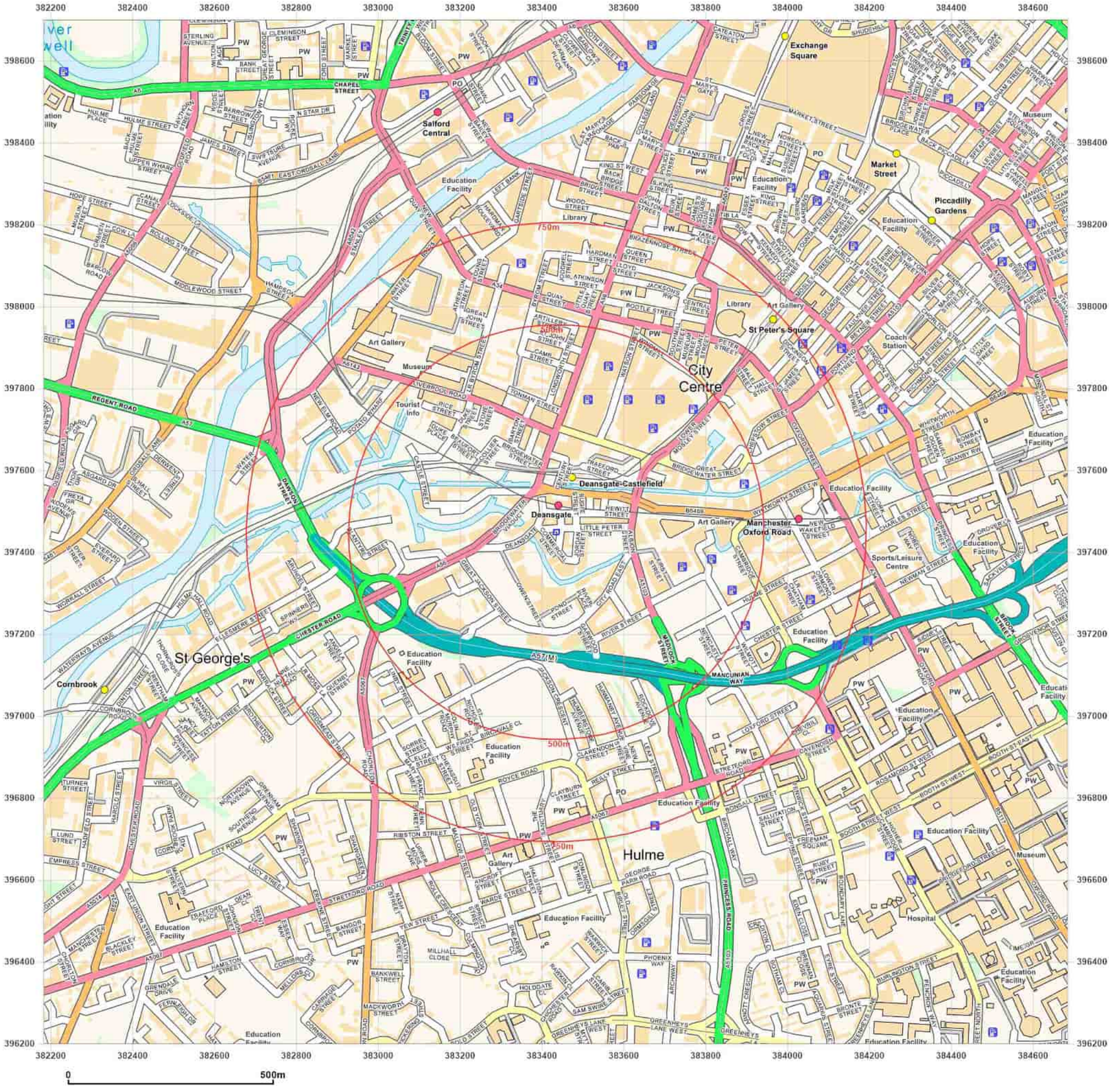
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Groundsure INSIGHTS

Site Details:

5029677

Client Ref: DRAFT-37873
Report Ref: GS-F1C-X7F-WHC-BWR
Grid Ref: 383434, 397450

Map Name: National Grid

Map date: **2025**

Scale: 1:10,000

Printed at: 1:10,000

N
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2025

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Fire Insurance Plans

Groundsure
LOCATION INTELLIGENCE

Address
5029677

Your reference
DRAFT-37873

Groundsure reference
GS-IEJ-EMK-5XX-QKR

Date
23/06/2025

Grid reference
383434 397450

N



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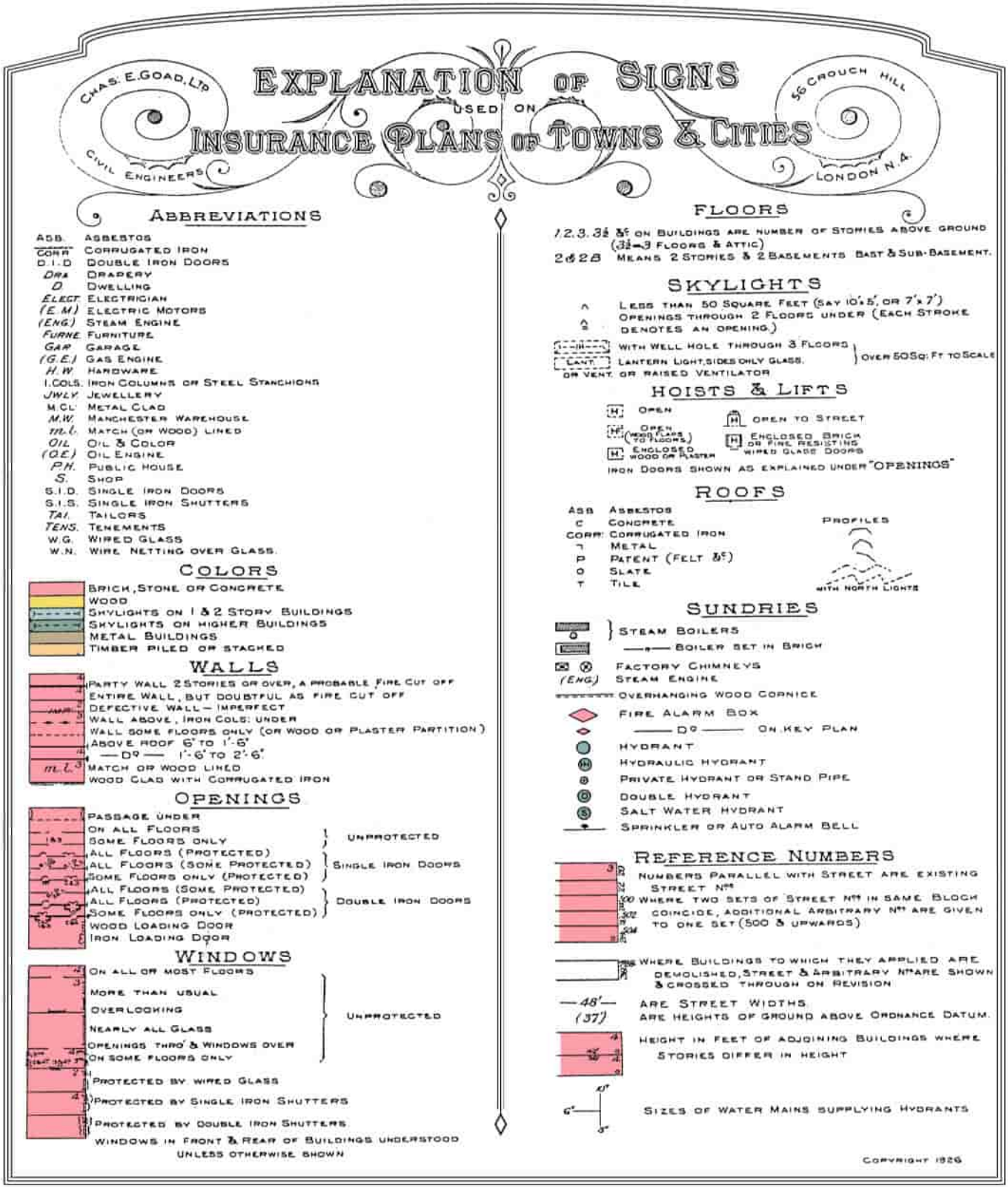
Groundsure
LOCATION INTELLIGENCE

1928, 1928 Manchester, 2-plan composite



Groundsure
LOCATION INTELLIGENCE

Legend



Further Information

This report contains all Goad plans available for your chosen location. Where plans cover only part of the mapped area, modern background mapping has been included for additional context.

Charles E. Goad

Goad plans were originally produced as Fire Insurance Plans (F.I.Ps) by Charles E. Goad Ltd. in the late 19th century. In addition to showing the materials used in building construction and the location of water supplies, the maps show the location of particular fire hazards such as chemical storage and processing areas, ovens and other such areas which are of interest to contaminated land practitioners. The first plans appeared in 1886, and by 1896 the collection comprised 73 volumes of plans for 37 cities. By 1912 the collection had grown to 124 volumes across 57 cities, though following this there was no significant expansion to new towns. Many cities saw significantly expanded coverage between 1928 and 1935, and regular revision of plans continued until the 1970s.

The maps were produced for the most important towns and cities in Great Britain at a scale of 1:480 (1 inch to 40 feet). Coverage for these towns varies according to the town's relative importance at the time, from an industrial and social perspective. All maps shown in this report are north-orientated and seamlessly stitched together with other maps of a similar age. Gaps in the mapping are filled in with contemporary mapping to provide a clear location context for the study site.

Contact Us

Groundsure Limited: Nile House, Nile Street, Brighton, BN1 1HW

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APPENDIX 4 – GROUNDSURE REPORT

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo
Insight

5029677

Order Details

Date: 23/06/2025

Your ref: DRAFT-37873

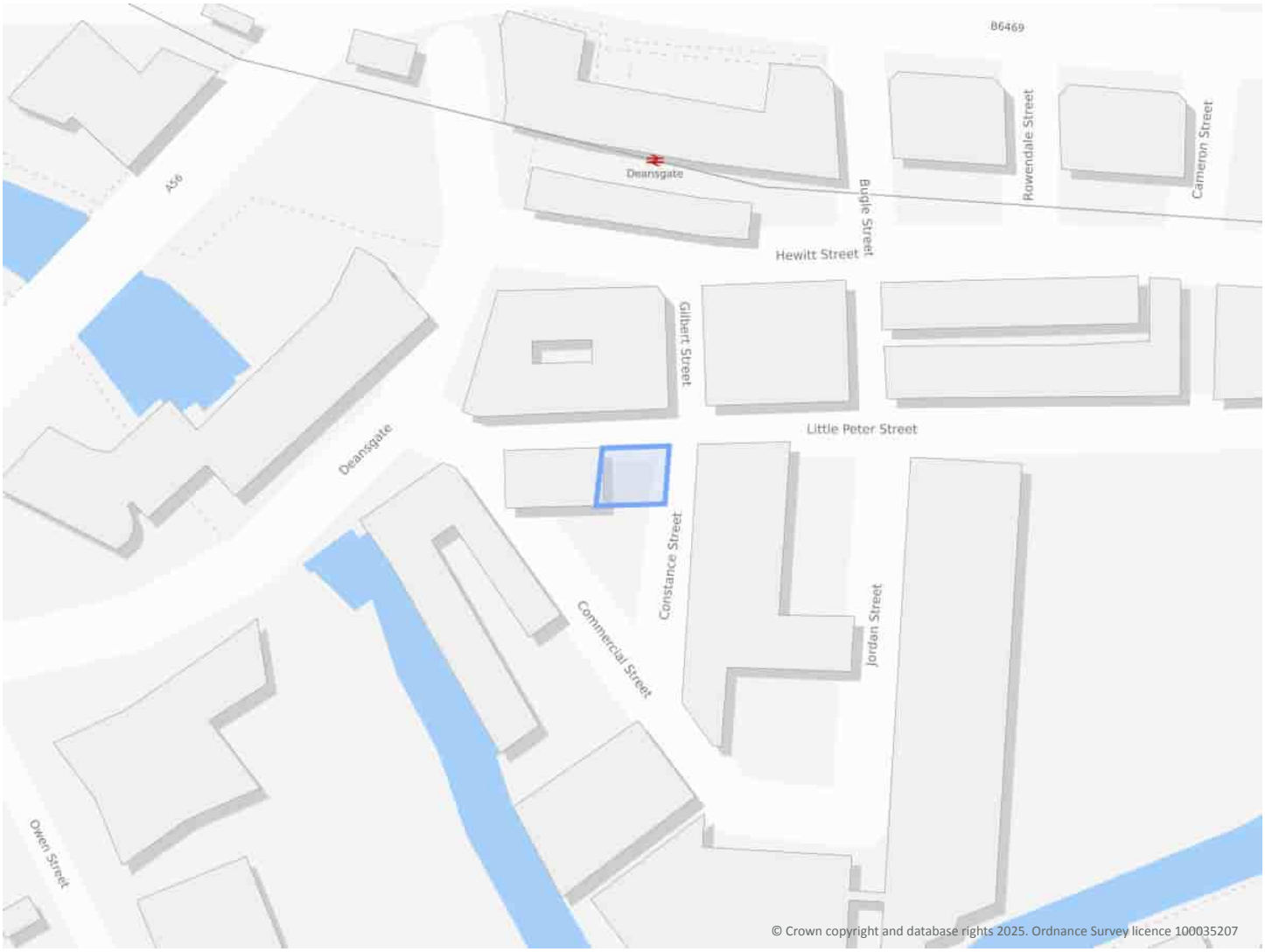
Our Ref: GS-HYX-VZU-8CQ-3ZQ

Site Details

Location: 383434 397450

Area: 0.02 ha

Authority: Manchester City Council ↗



Summary of findings p. 2 >

OS MasterMap site plan p.14 >

Aerial image p. 9 >

Insight User Guide ↗

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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 >	0	6	51	105	-
21 >	1.2 >	Historical tanks >	0	0	29	88	-
26 >	1.3 >	Historical energy features >	0	0	11	40	-
28	1.4	Historical petrol stations	0	0	0	0	-
28 >	1.5 >	Historical garages >	0	1	20	12	-
30	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
31 >	2.1 >	Historical industrial land uses >	0	13	77	171	-
41 >	2.2 >	Historical tanks >	0	0	42	156	-
48 >	2.3 >	Historical energy features >	0	0	25	68	-
52	2.4	Historical petrol stations	0	0	0	0	-
52 >	2.5 >	Historical garages >	0	3	40	21	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
55	3.1	Active or recent landfill	0	0	0	0	-
55	3.2	Historical landfill (BGS records)	0	0	0	0	-
56	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
56	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
56 >	3.5 >	Historical waste sites >	0	0	8	3	-
58	3.6	Licensed waste sites	0	0	0	0	-
58 >	3.7 >	Waste exemptions >	0	2	4	60	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
64 >	4.1 >	Recent industrial land uses >	0	3	15	-	-
66 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
66	4.3	Electricity cables	0	0	0	0	-
66	4.4	Gas pipelines	0	0	0	0	-
66	4.5	Sites determined as Contaminated Land	0	0	0	0	-

66	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
67	4.7	Regulated explosive sites	0	0	0	0	-
67	4.8	Hazardous substance storage/usage	0	0	0	0	-
67	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
67 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	0	2	-
68 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	1	2	-
68	4.12	Radioactive Substance Authorisations	0	0	0	0	-
69 >	4.13 >	Licensed Discharges to controlled waters >	0	0	11	15	-
73	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
73	4.15	Pollutant release to public sewer	0	0	0	0	-
73	4.16	List 1 Dangerous Substances	0	0	0	0	-
73	4.17	List 2 Dangerous Substances	0	0	0	0	-
73	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
74	4.19	Pollution inventory substances	0	0	0	0	-
74	4.20	Pollution inventory waste transfers	0	0	0	0	-
74	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	**Hydrogeology** >	On site	0-50m	50-250m	250-500m	500-2000m
75 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
77 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
79 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
80	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
80	5.5	Groundwater vulnerability- local information	None (within 0m)				
81 >	5.6 >	Groundwater abstractions >	0	0	0	15	56
99 >	5.7 >	Surface water abstractions >	0	0	0	0	5
100 >	5.8 >	Potable abstractions >	0	0	0	0	9
103 >	5.9 >	Source Protection Zones >	0	0	0	1	-
103	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	**Hydrology** >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	6.1 >	Water Network (OS MasterMap) >	0	1	16	-	-

106 >	6.2 >	Surface water features >	0	1	6	-	-
106 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
107 >	6.4 >	WFD Surface water bodies >	0	0	2	-	-
107 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
109	7.2	Historical Flood Events	0	0	0	-	-
109	7.3	Flood Defences	0	0	0	-	-
109	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
109	7.5	Flood Storage Areas	0	0	0	-	-
110 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
111 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding					
112	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
113 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
114	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
114	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
114	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
114	10.4	Special Protection Areas (SPA)	0	0	0	0	0
115	10.5	National Nature Reserves (NNR)	0	0	0	0	0
115	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
115	10.7	Designated Ancient Woodland	0	0	0	0	0
115	10.8	Biosphere Reserves	0	0	0	0	0
116	10.9	Forest Parks	0	0	0	0	0
116	10.10	Marine Conservation Zones	0	0	0	0	0
116	10.11	Green Belt	0	0	0	0	0
116	10.12	Proposed Ramsar sites	0	0	0	0	0

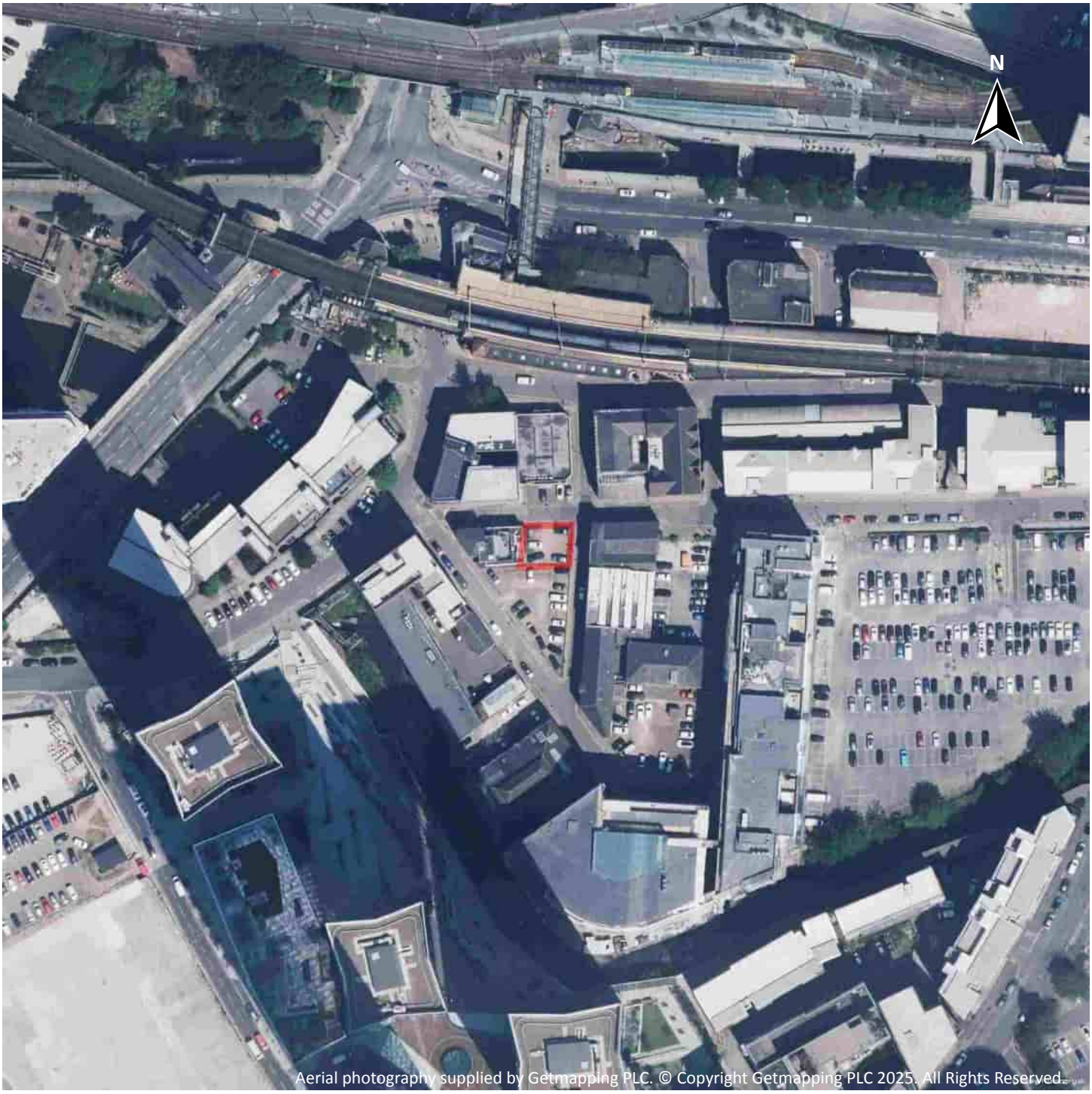
116	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
117	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
117	10.15	Nitrate Sensitive Areas	0	0	0	0	0
117 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	3
118 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
119	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
120	11.1	World Heritage Sites	0	0	0	-	-
121	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
121	11.3	National Parks	0	0	0	-	-
121 >	11.4 >	Listed Buildings >	0	0	11	-	-
122 >	11.5 >	Conservation Areas >	0	0	1	-	-
122 >	11.6 >	Scheduled Ancient Monuments >	0	0	1	-	-
123	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
124 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
125	12.2	Open Access Land	0	0	0	-	-
125	12.3	Tree Felling Licences	0	0	0	-	-
125	12.4	Environmental Stewardship Schemes	0	0	0	-	-
125	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
126	13.1	Priority Habitat Inventory	0	0	0	-	-
126	13.2	Habitat Networks	0	0	0	-	-
126	13.3	Open Mosaic Habitat	0	0	0	-	-
126	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
127 >	14.1 >	10k Availability >	Identified (within 500m)				
128 >	14.2 >	Artificial and made ground (10k) >	1	0	1	2	-
130 >	14.3 >	Superficial geology (10k) >	1	0	1	2	-

131	14.4	Landslip (10k)	0	0	0	0	-
132 >	14.5 >	Bedrock geology (10k) >	1	0	0	1	-
133 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	1	2	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
134 >	15.1 >	50k Availability >	Identified (within 500m)				
135 >	15.2 >	Artificial and made ground (50k) >	1	0	0	0	-
136 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
137 >	15.4 >	Superficial geology (50k) >	1	0	1	2	-
138 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
138	15.6	Landslip (50k)	0	0	0	0	-
138	15.7	Landslip permeability (50k)	None (within 50m)				
139 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
140 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
140 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	1	2	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
141 >	16.1 >	BGS Boreholes >	0	0	26	-	-
Page	Section	Natural ground subsidence >					
144 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
145 >	17.2 >	Running sands >	Low (within 50m)				
147 >	17.3 >	Compressible deposits >	Very low (within 50m)				
149 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
150 >	17.5 >	Landslides >	Very low (within 50m)				
151 >	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
153	18.1	BritPits	0	0	0	0	-
154 >	18.2 >	Surface ground workings >	0	6	13	-	-
155	18.3	Underground workings	0	0	0	0	0
155	18.4	Underground mining extents	0	0	0	0	-
155	18.5	Historical Mineral Planning Areas	0	0	0	0	-

155	18.6	Non-coal mining	0	0	0	0	0
155 >	18.7 >	JPB mining areas >	Identified (within 0m)				
156	18.8	The Coal Authority non-coal mining	0	0	0	0	-
156	18.9	Researched mining	0	0	0	0	-
156	18.10	Mining record office plans	0	0	0	0	-
157	18.11	BGS mine plans	0	0	0	0	-
157 >	18.12 >	Coal mining >	Identified (within 0m)				
157	18.13	Brine areas	None (within 0m)				
157	18.14	Gypsum areas	None (within 0m)				
157	18.15	Tin mining	None (within 0m)				
158	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
159	19.1	Natural cavities	0	0	0	0	-
159	19.2	Mining cavities	0	0	0	0	0
159	19.3	Reported recent incidents	0	0	0	0	-
159	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
161 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
163 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	1	-	-	-
163 >	21.2 >	BGS Estimated Urban Soil Chemistry >	1	3	-	-	-
164	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
165	22.1	Underground railways (London)	0	0	0	-	-
165	22.2	Underground railways (Non-London)	0	0	0	-	-
166	22.3	Railway tunnels	0	0	0	-	-
166 >	22.4 >	Historical railway and tunnel features >	0	6	60	-	-
168	22.5	Royal Mail tunnels	0	0	0	-	-
169 >	22.6 >	Historical railways >	0	0	5	-	-

169 >	22.7 >	Railways >	0	0	30	-	-
170	22.8	Crossrail 2	0	0	0	0	-
171	22.9	HS2	0	0	0	0	-

Recent aerial photograph

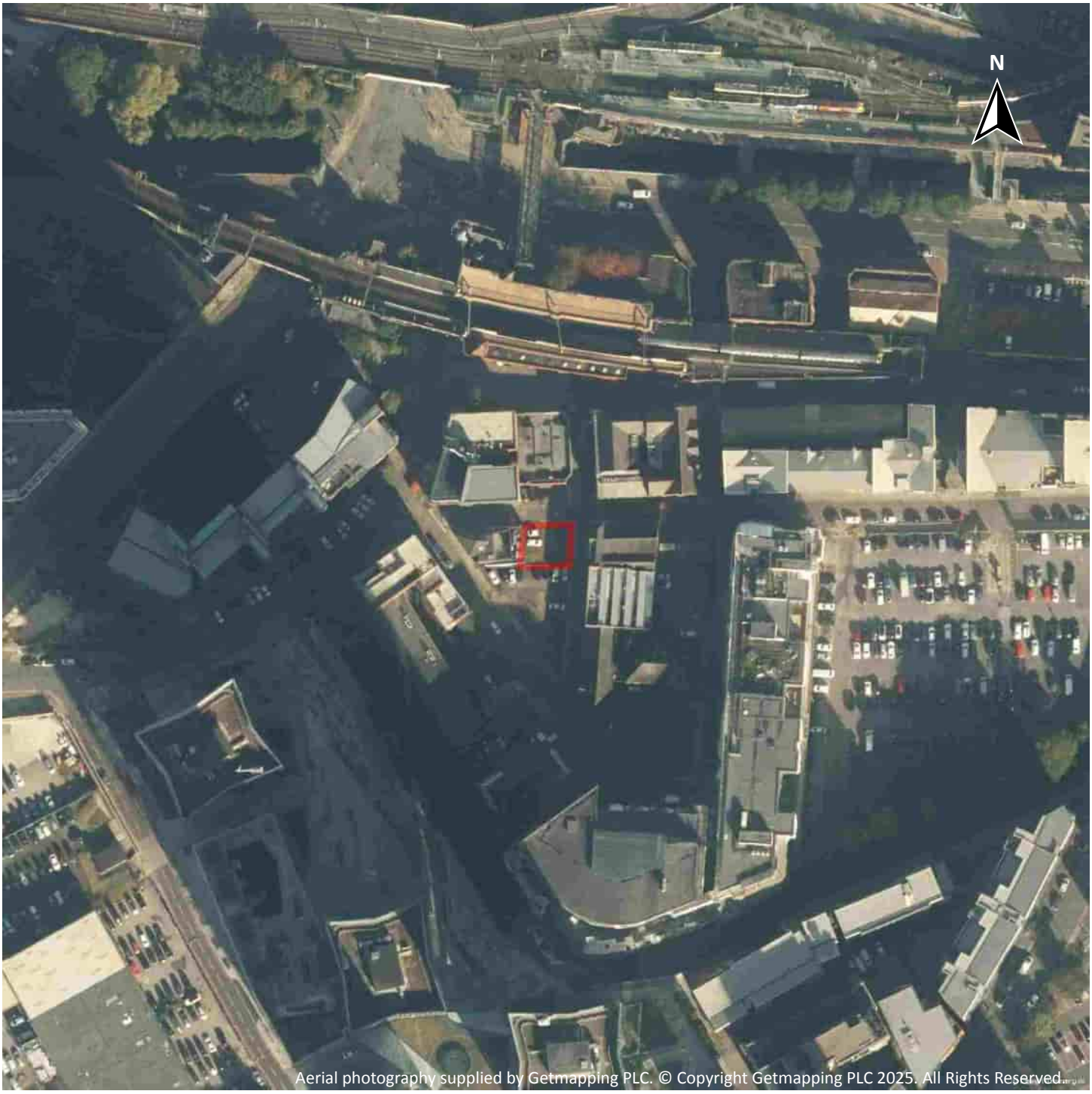


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Capture Date: 07/04/2023

Site Area: 0.02ha

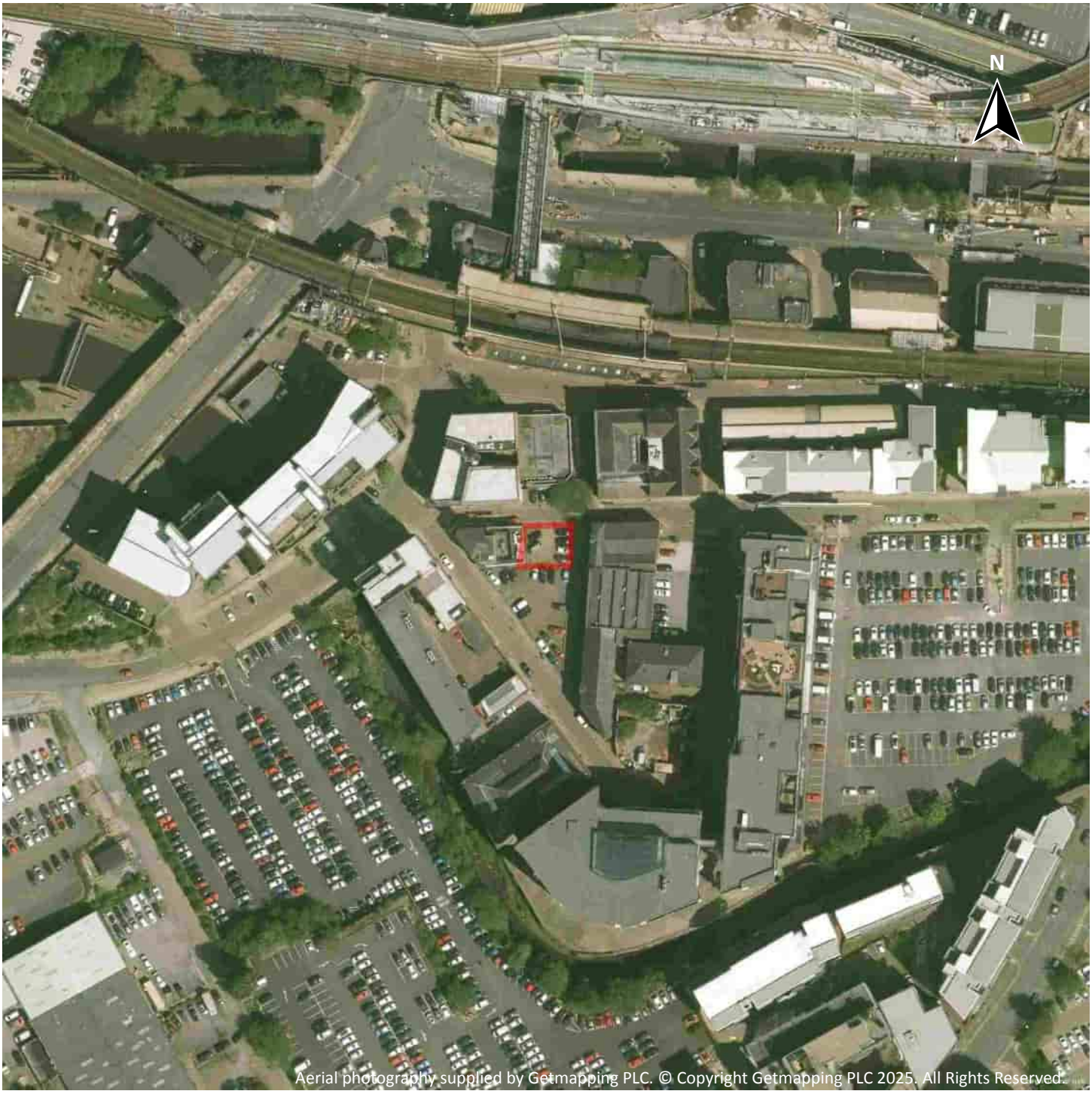
Recent site history - 2022 aerial photograph



Capture Date: 18/10/2022

Site Area: 0.02ha

Recent site history - 2015 aerial photograph

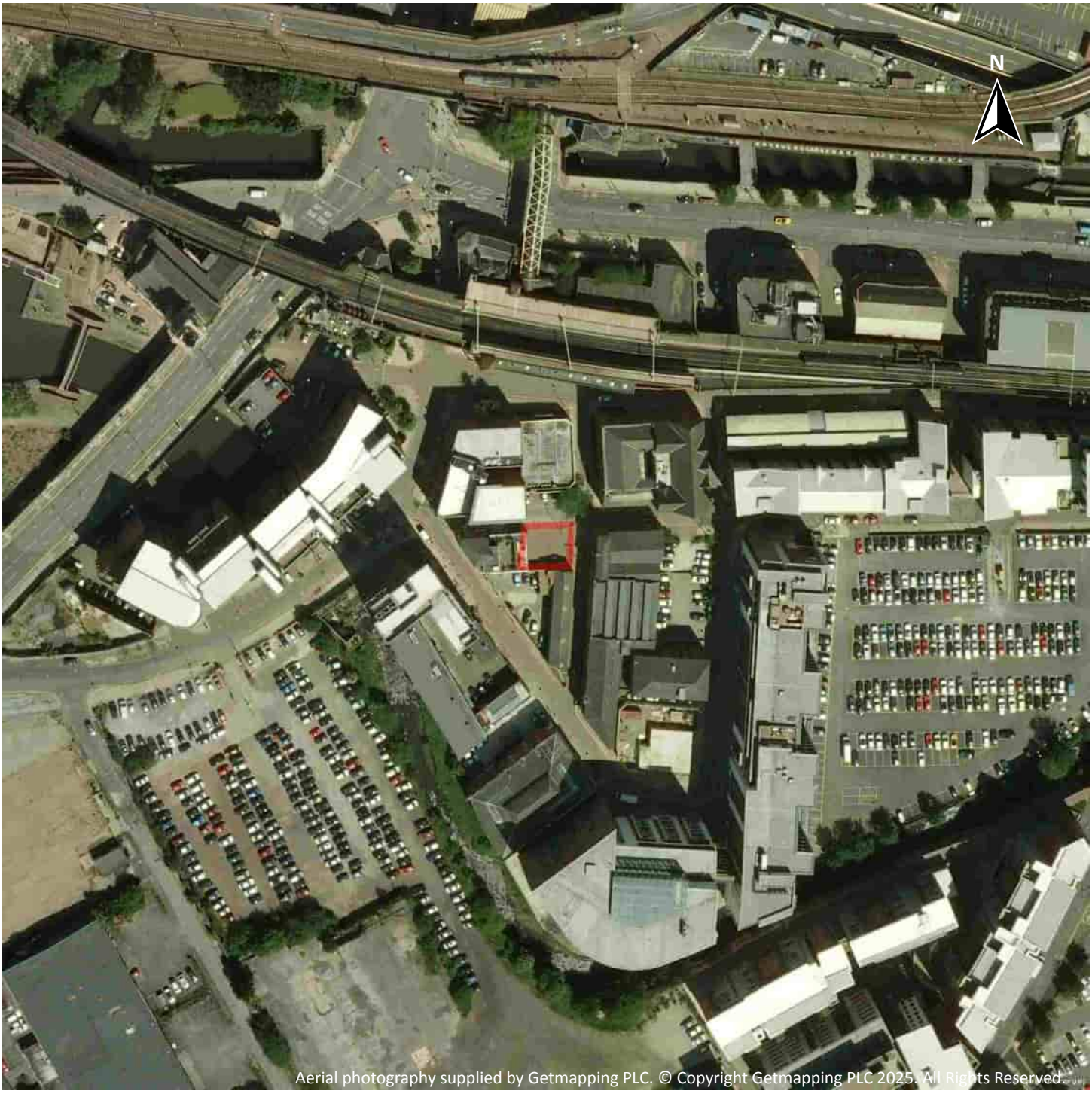


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Capture Date: 11/06/2015

Site Area: 0.02ha

Recent site history - 2009 aerial photograph

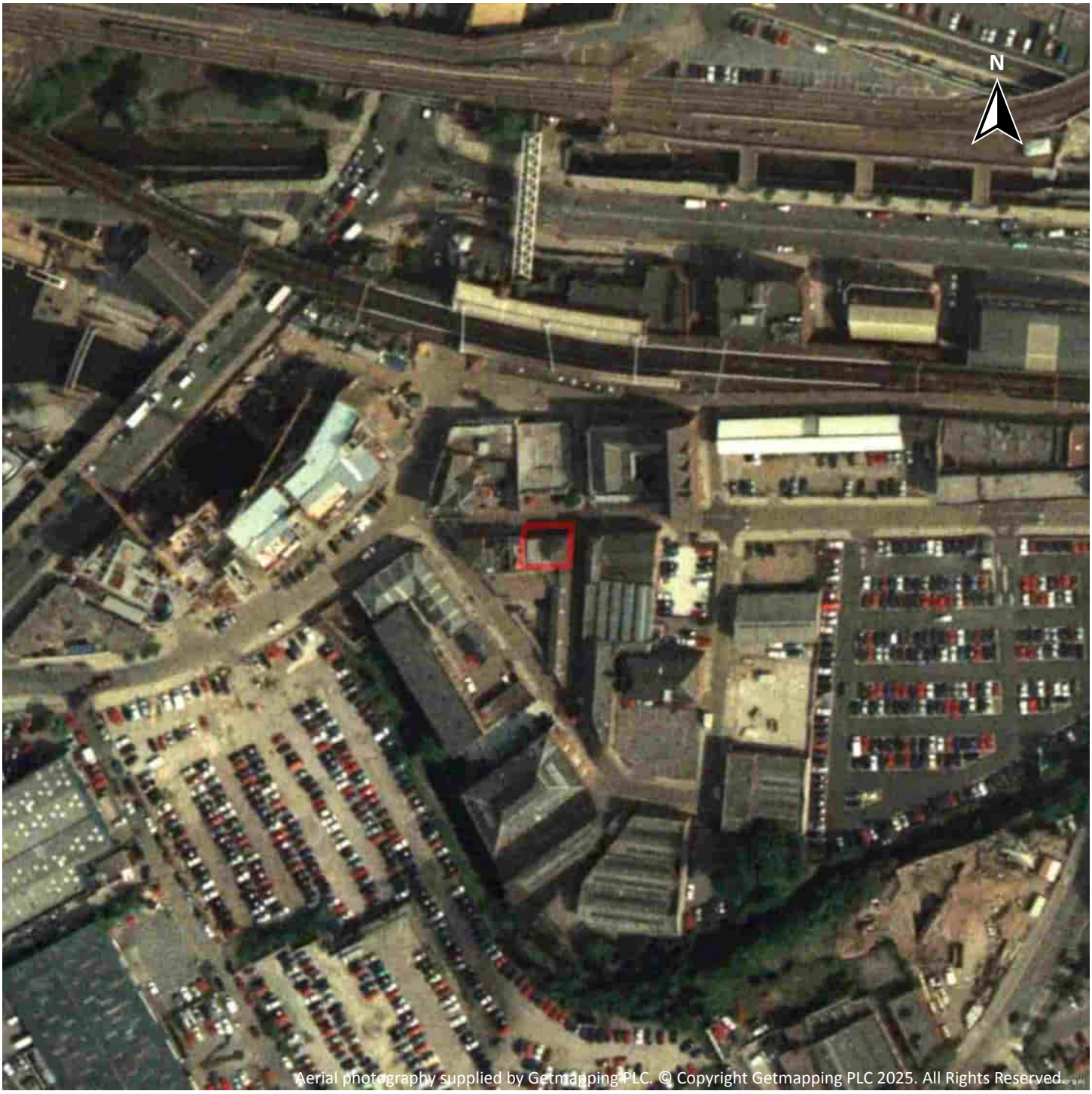


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Capture Date: 02/06/2009

Site Area: 0.02ha

Recent site history - 2000 aerial photograph

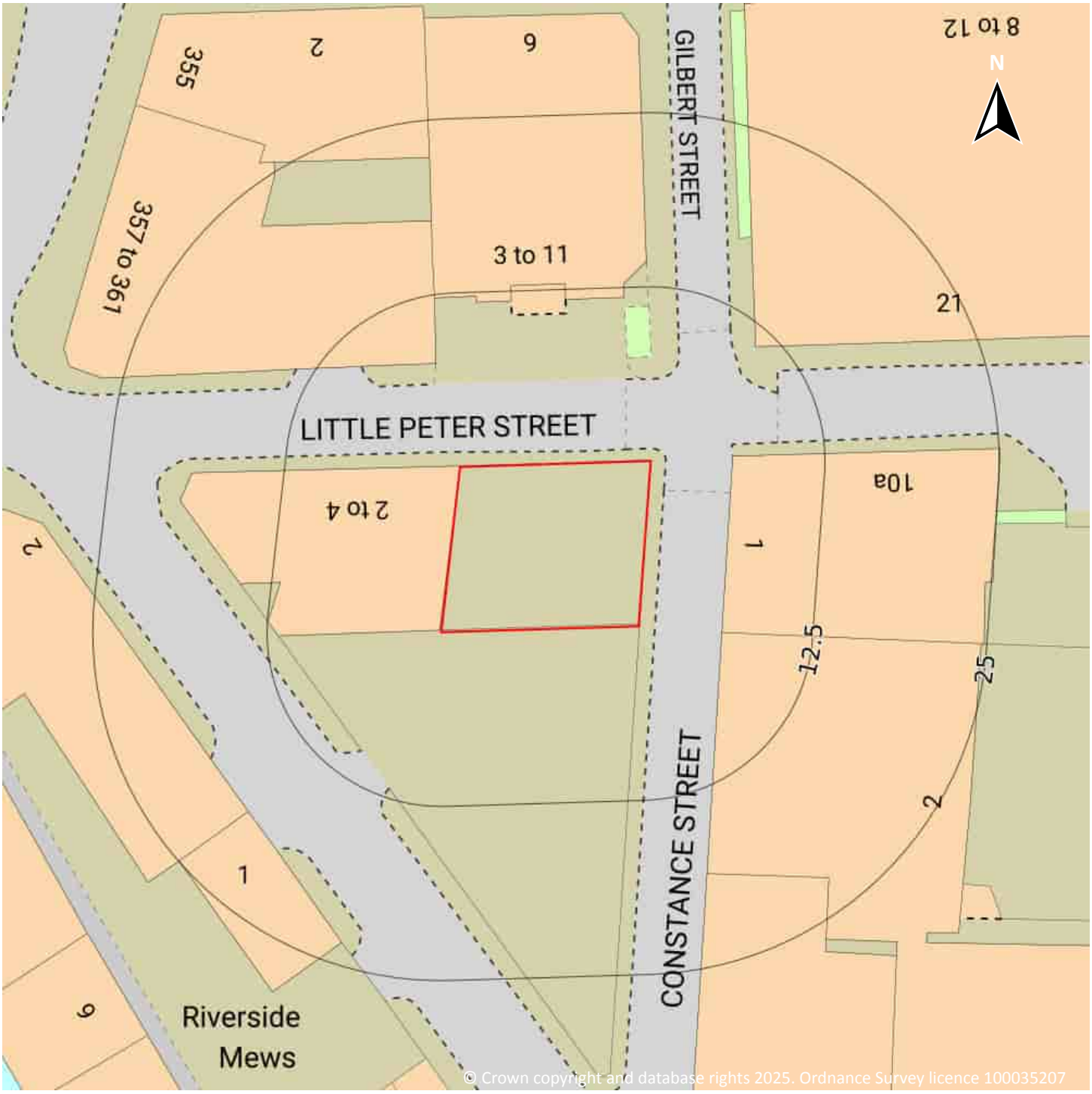


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Capture Date: 27/06/2000

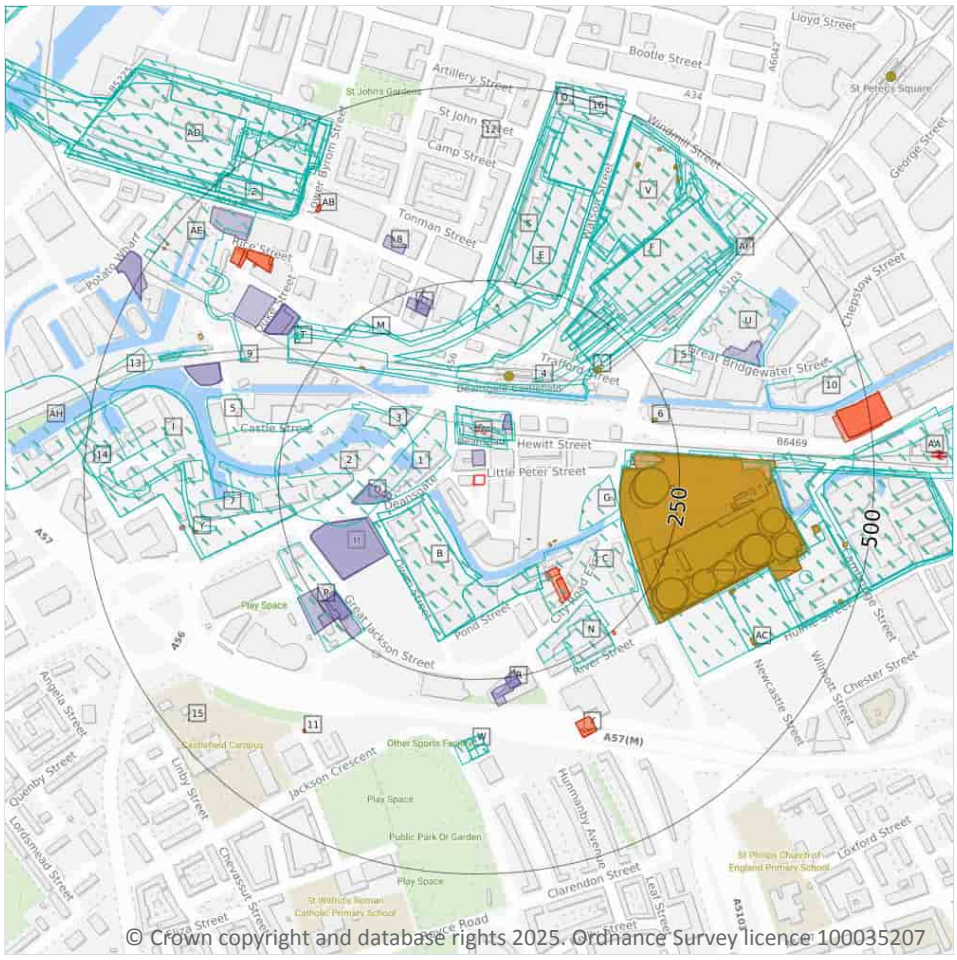
Site Area: 0.02ha

OS MasterMap site plan



Site Area: 0.02ha

1 Past land use



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1.1 Historical industrial land uses

Records within 500m	162

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
A	36m N	Railway Station	1905 - 1938	897469

ID	Location	Land use	Dates present	Group ID
1	38m NW	Unspecified Commercial/Industrial	1848	822314
A	43m N	Railway Station	1896	1007364
A	47m N	Railway Station	1985 - 1994	986222
A	47m N	Railway Station	1956 - 1972	941476
A	47m N	Railway Station	1980	998002
B	56m SW	Automobile Works	1956	858949
B	56m SW	Unspecified Works	1980	901928
B	56m SW	Unspecified Works	1972	933496
B	67m SW	Unspecified Commercial/Industrial	1905	901731
B	67m SW	Unspecified Mill	1916	940511
B	67m SW	Unspecified Commercial/Industrial	1923	946710
B	67m SW	Unspecified Mill	1932 - 1938	947543
2	82m W	Quay	1905 - 1938	975316
E	107m N	Railway Sidings	1923	961415
3	108m NW	Unspecified Commercial/Industrial	1848	822320
E	113m N	Railway Sidings	1905 - 1916	979135
E	113m N	Railway Sidings	1932 - 1938	996911
C	116m SE	Brewery	1848	808324
F	117m N	Railway Sidings	1896	1005691
E	117m N	Railway Sidings	1956	938222
G	130m E	Cotton Mill	1848	806913
4	135m NE	Railway Building	1905 - 1938	933452
F	150m NE	Disused Station	1980	987897
I	153m W	Quay	1848	960465
J	174m E	Unspecified Commercial/Industrial	1932 - 1938	924691
J	174m E	Gas Works	1905 - 1923	968250
J	178m E	Unspecified Commercial/Industrial	1956	1002925
J	178m E	Unspecified Commercial/Industrial	1848 - 1896	983292

ID	Location	Land use	Dates present	Group ID
J	184m E	Unspecified Works	1972	881829
K	187m N	Railway Sidings	1972	888823
K	187m N	Railway Sidings	1985	965779
K	187m N	Railway Sidings	1980	994576
G	187m E	Unspecified Tank	1932 - 1938	942139
G	187m E	Gasometer	1905 - 1923	1008259
F	190m NE	Railway Station	1932 - 1938	887773
F	190m NE	Railway Station	1905 - 1916	905658
F	190m NE	Railway Station	1923	910657
G	190m E	Unspecified Tank	1956	947850
G	191m E	Unspecified Tank	1896	984138
G	196m E	Unspecified Tank	1972	861982
G	196m E	Unspecified Tank	1980 - 1985	979125
G	196m E	Railway Sidings	1896	857570
N	197m SE	Unspecified Works	1972	835214
F	198m NE	Railway Station	1956	946401
F	200m NE	Railway Station	1896	948108
M	200m NW	Railway Buildings	1905 - 1938	863965
E	210m N	Railway Building	1923	854221
N	213m SE	Glass Works	1848	821947
5	220m W	Slate Wharf	1848	857272
P	223m SW	Unspecified Depot	1972	821167
J	228m E	Unspecified Works	1980	957915
I	230m W	Unspecified Depot	1985 - 1994	866652
I	230m W	Unspecified Depot	1980	986151
J	232m SE	Gas Works	1980	888421
J	232m SE	Gas Works	1985	923545
Q	240m N	Railway Buildings	1923	810636

ID	Location	Land use	Dates present	Group ID
J	256m SE	Unspecified Tank	1932 - 1938	876704
J	256m SE	Gasometer	1905 - 1923	922201
J	258m SE	Unspecified Tanks	1956	993648
J	258m SE	Unspecified Tank	1972	871635
J	258m SE	Gasometer	1980	936391
J	258m SE	Unspecified Tanks	1896	958691
S	263m NE	Bus Station	1980	856994
E	272m NE	Railway Building	1923	854222
F	275m NE	Disused Station	1985	917245
T	282m NW	Railway Building	1923	854220
7	282m W	Warehouse	1848	852230
T	283m NW	Railway Building	1916	960031
T	288m NW	Railway Building	1932 - 1938	932961
J	289m SE	Rubber Works	1956	973654
J	289m SE	Unspecified Tank	1932 - 1938	887495
J	289m SE	Gasometer	1905 - 1923	961359
J	297m E	Unspecified Tank	1848	849454
S	305m NE	Railway Building	1905 - 1938	932943
J	310m E	Gasometer	1905 - 1923	939619
J	310m E	Unspecified Tank	1932 - 1938	1009278
U	312m NE	Cotton Mills	1848	825898
V	314m NE	Goods Station	1923	958822
V	316m NE	Goods Station	1932 - 1938	967290
V	316m NE	Goods Station	1905 - 1916	974221
W	321m S	Police Station	1972	937951
W	321m S	Police Station	1985	986465
W	321m S	Police Station	1980	987579
9	325m NW	Railway Building	1905 - 1923	944816

ID	Location	Land use	Dates present	Group ID
W	325m S	Fire Station	1938	958741
V	328m NE	Goods Station	1956	963807
J	329m E	Unspecified Tank	1848	849453
T	330m NW	Unspecified Ground Workings	1848	814699
J	330m SE	Unspecified Commercial/Industrial	1905	879196
J	330m SE	Rubber Works	1932 - 1938	994093
J	331m E	Unspecified Tank	1932 - 1938	921791
J	331m E	Gasometer	1905 - 1923	924805
W	332m S	Fire Station	1972	879366
W	332m S	Fire Station	1985	913222
W	332m S	Fire Station	1980	1003634
I	334m W	Unspecified Ground Workings	1848	814700
J	337m E	Unspecified Tanks	1956	1009741
J	337m E	Gasometer	1985	897602
J	337m E	Unspecified Tank	1972	913097
J	337m E	Gasometer	1980	917421
J	345m SE	Unspecified Works	1985 - 1994	928815
J	345m SE	Unspecified Works	1980	976327
I	347m W	Unspecified Warehouses	1972	856272
J	355m E	Unspecified Tank	1932 - 1938	991708
J	355m E	Gasometer	1905 - 1923	1001145
J	366m E	Rubber Works	1923	965876
AA	372m E	Railway Sidings	1905 - 1938	859983
J	372m E	Rubber Works	1916	922757
T	377m NW	Railway Buildings	1905	810633
J	377m E	Unspecified Tank	1932 - 1938	937983
J	377m E	Gasometer	1905 - 1923	946404
10	378m E	Corporation Yard	1905 - 1938	940902

ID	Location	Land use	Dates present	Group ID
Q	382m N	Goods Station	1905 - 1938	953299
I	384m W	Warehouse	1848	852229
J	386m E	Unspecified Tank	1848	996644
Q	388m N	Disused Goods Station	1980	817824
Q	388m N	Goods Station	1972	947488
Q	389m N	Goods Station	1956	917923
AD	405m NW	Railway Sidings	1923	978214
T	405m NW	Railway Building	1916 - 1923	907132
AD	406m NW	Railway Sidings	1916 - 1938	923062
AD	406m NW	Railway Sidings	1894	942068
Z	408m NW	Goods Sheds	1905 - 1938	871028
AD	408m NW	Railway Sidings	1905	871411
AD	408m NW	Railway Sidings	1932	1009972
Z	408m NW	Railway Buildings	1896	810649
AD	408m NW	Railway Sidings	1896	990314
Z	410m NW	Railway Sidings	1956	927260
Z	410m NW	Railway Building	1972	933625
Z	410m NW	Railway Building	1985	937253
Z	410m NW	Railway Building	1980	968055
AD	410m NW	Railway Sidings	1956	881875
AD	410m NW	Goods Depot	1972	969057
AD	410m NW	Goods Depot	1980	982780
AE	411m NW	Unspecified Depot	1985 - 1988	885508
AF	412m NE	Railway Building	1932 - 1938	889705
T	413m W	Railway Building	1932 - 1938	1007516
AD	419m NW	Railway Sidings	1988 - 1994	916623
J	422m E	Unspecified Tank	1848	849452
J	425m E	Unspecified Commercial/Industrial	1896	1008574

ID	Location	Land use	Dates present	Group ID
J	436m E	Unspecified Works	1985 - 1994	892981
J	436m E	Unspecified Works	1980	946286
Z	437m NW	Goods Sheds	1905 - 1938	891142
Z	437m NW	Goods Station	1956	810453
13	438m W	Timber Wharf	1848	834904
Z	441m NW	Railway Building	1985	964774
Z	441m NW	Railway Building	1980	984510
Z	441m NW	Railway Building	1972	1002551
AA	459m E	Railway Sidings	1896	993937
AD	462m NW	Unspecified Commercial/Industrial	1848	822349
14	468m W	Gravel Pit	1848	851996
AA	473m E	Railway Sidings	1985 - 1994	879821
AD	477m NW	Railway Sidings	1848	1003395
16	483m N	Railway Buildings	1923	810635
Z	495m NW	Railway Buildings	1932 - 1938	943938
AD	496m NW	Railway Sidings	1985	871710
AD	496m NW	Railway Sidings	1980	986444
AD	496m NW	Railway Sidings	1972	988416
AH	497m W	Unspecified Wharves	1932 - 1938	894457
AH	497m W	Unspecified Wharves	1905 - 1916	979434
Z	500m NW	Railway Building	1905 - 1923	1004146

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	117

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
C	89m SE	Unspecified Tank	1891	115294
C	112m SE	Tanks	1949	108715
C	115m SE	Tanks	1949	108714
G	131m E	Unspecified Tank	1891	115291
J	174m E	Gas Works	1893 - 1908	129043
J	174m E	Gas Works	1922	138279
J	175m E	Gas Works	1891	146932
G	187m E	Unspecified Tank	1932	134199
G	187m E	Gasometer	1908 - 1922	142772
G	190m E	Unspecified Tank	1969	130499
G	190m E	Unspecified Tank	1953	154985
G	191m E	Unspecified Tank	1957 - 1965	128947
G	191m E	Unspecified Tank	1949	143876
G	193m E	Unspecified Tank	1980 - 1985	137448
L	195m NE	Tanks	1951 - 1965	130425
L	195m NE	Tanks	1948	143858
L	195m NE	Tanks	1949	152322
M	197m NW	Unspecified Tank	1932	115026
J	208m E	Gas Works	1949	128464
E	218m N	Unspecified Tank	1955	149684
E	218m N	Unspecified Tank	1957	156070
J	224m SE	Unspecified Tank	1969	142299
6	226m E	Tanks	1891	108717
G	236m E	Unspecified Tank	1908 - 1932	152429
G	239m E	Unspecified Tank	1969 - 1985	153577
G	239m E	Unspecified Tank	1953	153919
G	239m E	Unspecified Tank	1957	128256

ID	Location	Land use	Dates present	Group ID
J	239m SE	Disused Gas Holder Station	1985	126184
J	239m SE	Gas Holder Station	1980	155526
J	256m SE	Tanks	1932	108716
J	256m SE	Gasometers	1908 - 1922	153355
J	257m SE	Gasometer	1893 - 1969	150127
J	258m SE	Gasometer	1949	140020
J	258m SE	Unspecified Tank	1957 - 1965	143015
J	259m SE	Unspecified Tank	1953	131493
J	261m E	Tanks	1893	151285
J	261m E	Tanks	1891	126769
J	272m SE	Unspecified Tank	1957	138206
J	272m SE	Unspecified Tank	1949	151860
J	283m SE	Unspecified Tank	1953 - 1969	143010
J	291m SE	Gasometer	1893	144817
J	294m SE	Unspecified Tank	1953	137941
J	294m SE	Unspecified Tank	1957 - 1965	134264
J	294m SE	Gasometer	1949	136972
S	297m NE	Unspecified Tank	1891	115293
J	307m E	Unspecified Tank	1893	147641
J	310m E	Unspecified Tank	1953 - 1965	130539
J	311m E	Unspecified Tank	1891	115292
J	314m E	Gasometer	1893	139247
J	315m E	Gasometer	1891	141539
J	318m E	Tanks	1969	131205
J	318m E	Tanks	1953	148910
J	321m E	Tanks	1949 - 1957	131406
J	321m E	Tanks	1969	142141
J	321m E	Unspecified Tank	1957	115290

ID	Location	Land use	Dates present	Group ID
J	321m E	Tanks	1949	127220
J	326m E	Unspecified Tank	1891 - 1893	129472
J	329m E	Unspecified Tank	1953 - 1985	142137
J	334m E	Gasometer	1893 - 1969	149968
J	335m E	Gasometer	1891	152905
J	338m E	Unspecified Tank	1957 - 1965	141299
J	338m E	Gasometer	1949	142179
J	338m E	Unspecified Tank	1953	138289
J	340m E	Gas Holder	1980 - 1985	137601
J	340m E	Tanks	1957	108596
J	343m SE	Unspecified Tank	1949 - 1957	137028
J	343m SE	Unspecified Tank	1969 - 1990	140651
J	346m SE	Unspecified Tank	1998	153520
J	346m E	Unspecified Tank	1893	149484
J	348m E	Gasometer	1891	114291
J	352m E	Unspecified Tank	1949 - 1969	148917
J	355m E	Gasometer	1891 - 1893	130887
J	358m E	Unspecified Tank	1957 - 1965	127332
J	358m E	Gasometer	1949	135711
J	359m E	Unspecified Tank	1953	131749
Y	359m W	Unspecified Tank	1980	134057
Y	359m W	Unspecified Tank	1980	154190
Y	359m W	Unspecified Tank	1965	149868
Y	360m W	Unspecified Tank	1969	139198
Y	360m W	Unspecified Tank	1960	147256
J	364m E	Unspecified Tank	1891	114954
J	365m E	Unspecified Tank	1891	140833
J	371m E	Unspecified Tank	1893	154854

ID	Location	Land use	Dates present	Group ID
J	375m E	Gasometer	1969	114290
J	375m E	Unspecified Tank	1953 - 1965	145295
J	376m E	Unspecified Tank	1980 - 1985	151024
J	377m E	Gasometer	1891 - 1893	156214
J	381m E	Unspecified Tank	1957 - 1965	133065
J	381m E	Gasometer	1949	136042
J	382m E	Unspecified Tank	1953	138538
T	390m NW	Unspecified Tank	1922	115025
AC	395m SE	Unspecified Tank	1949 - 1957	139489
AC	395m SE	Unspecified Tank	1969	154955
AC	403m SE	Unspecified Tank	1980 - 1985	141556
J	407m E	Unspecified Tank	1987 - 1990	144190
J	411m E	Unspecified Tank	1891 - 1893	145005
J	424m E	Unspecified Tank	1998	149018
J	424m E	Unspecified Tank	1969	154747
J	425m E	Unspecified Tank	1980 - 1990	126732
12	436m N	Unspecified Tank	1891	115172
V	441m NE	Unspecified Tank	1986	130493
V	443m NE	Unspecified Tank	1988	132824
V	443m NE	Unspecified Tank	1994 - 1999	147875
J	451m E	Unspecified Tank	1908	114953
V	451m NE	Unspecified Tank	1986	145853
V	452m NE	Unspecified Tank	1988 - 1999	148102
V	463m NE	Unspecified Tank	1986	132999
V	464m NE	Unspecified Tank	1988	139530
V	465m NE	Unspecified Tank	1994 - 1999	126977
J	467m E	Unspecified Tank	1922	135180
J	467m E	Unspecified Tank	1893	145665

ID	Location	Land use	Dates present	Group ID
V	473m NE	Unspecified Tank	1988 - 1999	148866
15	473m SW	Unspecified Tank	1891	115047
J	479m E	Unspecified Tank	1893	129815
J	479m E	Unspecified Tank	1922	131267
AE	492m NW	Unspecified Tank	1963 - 1965	139504
AE	492m NW	Unspecified Tank	1963 - 1965	133853

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**51**

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
C	137m SE	Electricity Substation	1998	92277
C	139m SE	Electricity Transformers	1969 - 1985	73429
C	154m SE	Electricity Substation	1949 - 1957	70856
C	155m SE	Electricity Substation	1969 - 1990	90707
J	174m E	Gas Works	1922	84456
J	174m E	Gas Works	1893 - 1908	86780
J	175m E	Gas Works	1891	73990
G	187m E	Gasometer	1908 - 1922	88154
J	208m E	Gas Works	1949	79857
J	239m SE	Disused Gas Holder Station	1985	68843
J	239m SE	Gas Holder Station	1980	74476
N	251m SE	Electricity Substation	1998	66826

ID	Location	Land use	Dates present	Group ID
J	256m SE	Gasometers	1908 - 1922	79709
J	257m SE	Gasometer	1893 - 1969	81639
J	258m SE	Gasometer	1949	87070
J	291m SE	Gasometer	1893	91928
J	294m SE	Gasometer	1949	74834
J	314m E	Gasometer	1893	84792
J	315m E	Gasometer	1891	77434
J	324m E	Electricity Substation	1998	65849
X	327m SE	Electricity Substation	1949	70165
X	327m SE	Electricity Substation	1957	80045
J	334m E	Gasometer	1893 - 1969	79524
J	335m E	Gasometer	1891	77969
J	338m E	Gasometer	1949	88747
X	338m S	Electricity Substation	1953	69203
J	340m E	Gas Holder	1980 - 1985	90352
J	348m E	Gasometer	1891	68520
J	355m E	Gasometer	1891 - 1893	86689
J	358m E	Gasometer	1949	76936
Z	369m NW	Electricity Substation	1957	76855
Z	371m NW	Electricity Substation	1995	69187
Z	371m NW	Electricity Substation	1949 - 1955	72632
Y	374m W	Electricity Substation	1995 - 1997	77623
J	375m E	Gasometer	1969	68519
J	377m E	Gasometer	1891 - 1893	73168
11	381m SW	Electricity Substation	1997	87799
J	381m E	Gasometer	1949	90192
Z	389m NW	Electricity Substation	1948	84176
AB	393m NW	Electricity Substation	1948 - 1957	87242

ID	Location	Land use	Dates present	Group ID
AB	393m NW	Electricity Substation	1981 - 1995	80836
Z	402m NW	Electricity Substation	1986	81033
Z	402m NW	Electricity Substation	1990	90860
Z	406m NW	Electricity Substation	1994 - 1995	71919
Z	406m NW	Electricity Substation	1981	75511
AF	443m NE	Electricity Substation	1948 - 1985	85241
AG	453m E	Hydraulic Power Station	1932	87405
AG	458m E	Hydraulic Power Station	1951 - 1973	77593
AG	458m E	Hydraulic Power Station	1948	88074
AG	458m E	Hydraulic Power Station	1949	73635
AG	458m E	Hydraulic Power Station	1957	83124

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	33

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
A	12m N	Garage	1960 - 1969	28379
A	64m N	Garage	1955 - 1981	30682
A	64m N	Garage	1986 - 1990	27623
D	105m W	Garage	1980	30971
D	108m W	Garage	1969	28889
H	137m SW	Garage	1980 - 1990	28779
H	141m SW	Garage	1995 - 1997	26716
G	180m E	Garage	1953 - 1965	24325
O	213m N	Garage	1995	25530
O	213m N	Garage	1994 - 1995	27975
O	214m N	Garage	1981 - 1990	28188
P	224m SW	Garage	1980	30605
P	224m SW	Garage	1980 - 1990	26797
P	224m SW	Garage	1957	29417
P	224m SW	Garage	1965	24027
P	225m SW	Garage	1995 - 1997	23312
P	225m SW	Garage	1969	28842
P	225m SW	Garage	1960	29338
P	238m SW	Garage	1954	27153
R	241m S	Garage	1960 - 1965	24793
R	242m S	Garage	1957	27182
R	252m S	Garage	1954	29208
8	299m N	Garage	1981	22730
T	301m NW	Garage	1981 - 1986	30488
T	302m NW	Garage	1963	25233
T	307m NW	Garage	1965	29108
T	339m NW	Garage	1981	22731
U	342m NE	Garage	1973	22727

ID	Location	Land use	Dates present	Group ID
T	346m W	Garage	1963 - 1981	27617
T	347m W	Garage	1986	25384
Z	420m NW	Garage	1981 - 1990	23619
AE	483m NW	Boat Repair Yard	1948 - 1949	26403
AE	483m NW	Boat Repair Yard	1953	24119

This data is sourced from Ordnance Survey / Groundsure.

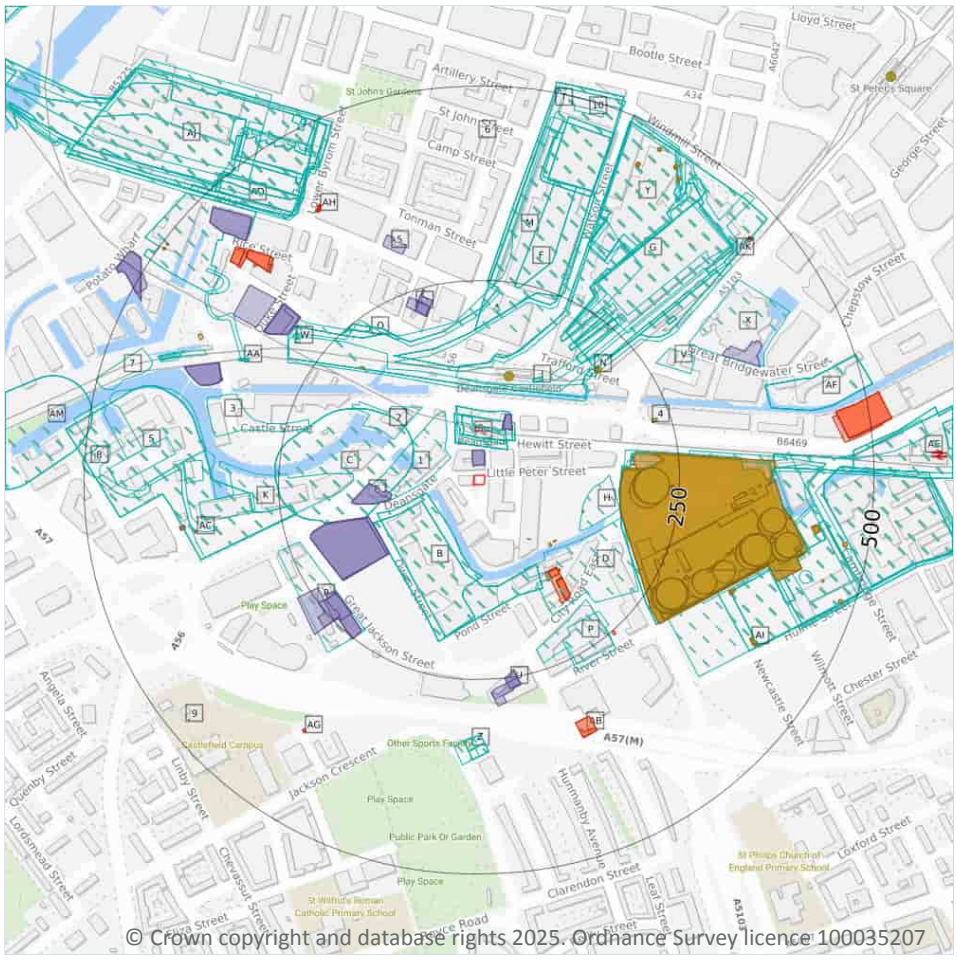
1.6 Historical military land

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



2.1 Historical industrial land uses

Records within 500m	261

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 31 >**

ID	Location	Land Use	Date	Group ID
A	36m N	Railway Station	1938	897469
A	36m N	Railway Station	1932	897469
A	36m N	Railway Station	1916	897469

ID	Location	Land Use	Date	Group ID
A	36m N	Railway Station	1905	897469
A	36m N	Railway Station	1923	897469
1	38m NW	Unspecified Commercial/Industrial	1848	822314
A	43m N	Railway Station	1896	1007364
A	47m N	Railway Station	1988	986222
A	47m N	Railway Station	1985	986222
A	47m N	Railway Station	1994	986222
A	47m N	Railway Station	1972	941476
A	47m N	Railway Station	1956	941476
A	47m N	Railway Station	1980	998002
B	56m SW	Unspecified Works	1972	933496
B	56m SW	Automobile Works	1956	858949
B	56m SW	Unspecified Works	1980	901928
B	67m SW	Unspecified Mill	1938	947543
B	67m SW	Unspecified Mill	1932	947543
B	67m SW	Unspecified Mill	1916	940511
B	67m SW	Unspecified Commercial/Industrial	1905	901731
B	67m SW	Unspecified Commercial/Industrial	1923	946710
C	82m W	Quay	1938	975316
C	82m W	Quay	1932	975316
C	82m W	Quay	1916	975316
C	82m W	Quay	1905	975316
C	82m W	Quay	1923	975316
F	107m N	Railway Sidings	1923	961415
2	108m NW	Unspecified Commercial/Industrial	1848	822320
F	113m N	Railway Sidings	1938	996911
F	113m N	Railway Sidings	1932	996911
F	113m N	Railway Sidings	1916	979135

ID	Location	Land Use	Date	Group ID
F	113m N	Railway Sidings	1905	979135
D	116m SE	Brewery	1848	808324
G	117m N	Railway Sidings	1896	1005691
F	117m N	Railway Sidings	1956	938222
H	130m E	Cotton Mill	1848	806913
I	135m NE	Railway Building	1938	933452
I	135m NE	Railway Building	1932	933452
I	135m NE	Railway Building	1916	933452
I	135m NE	Railway Building	1905	933452
I	135m NE	Railway Building	1923	933452
G	150m NE	Disused Station	1980	987897
K	153m W	Quay	1848	960465
L	174m E	Unspecified Commercial/Industrial	1938	924691
L	174m E	Unspecified Commercial/Industrial	1932	924691
L	174m E	Gas Works	1916	968250
L	174m E	Gas Works	1905	968250
L	174m E	Gas Works	1923	968250
L	178m E	Unspecified Commercial/Industrial	1956	1002925
L	178m E	Unspecified Commercial/Industrial	1896	983292
L	184m E	Unspecified Works	1972	881829
M	187m N	Railway Sidings	1972	888823
M	187m N	Railway Sidings	1980	994576
M	187m N	Railway Sidings	1985	965779
H	187m E	Gasometer	1916	1008259
H	187m E	Gasometer	1905	1008259
H	187m E	Unspecified Tank	1938	942139
H	187m E	Unspecified Tank	1932	942139
H	187m E	Gasometer	1923	1008259

ID	Location	Land Use	Date	Group ID
G	190m NE	Railway Station	1938	887773
G	190m NE	Railway Station	1932	887773
G	190m NE	Railway Station	1916	905658
G	190m NE	Railway Station	1905	905658
G	190m NE	Railway Station	1923	910657
H	190m E	Unspecified Tank	1956	947850
H	191m E	Unspecified Tank	1896	984138
H	196m E	Unspecified Tank	1972	861982
H	196m E	Unspecified Tank	1980	979125
H	196m E	Unspecified Tank	1985	979125
H	196m E	Railway Sidings	1896	857570
P	197m SE	Unspecified Works	1972	835214
G	198m NE	Railway Station	1956	946401
G	200m NE	Railway Station	1896	948108
O	200m NW	Railway Buildings	1938	863965
O	200m NW	Railway Buildings	1932	863965
O	200m NW	Railway Buildings	1916	863965
O	200m NW	Railway Buildings	1905	863965
O	200m NW	Railway Buildings	1923	863965
F	210m N	Railway Building	1923	854221
P	213m SE	Glass Works	1848	821947
3	220m W	Slate Wharf	1848	857272
R	223m SW	Unspecified Depot	1972	821167
L	228m E	Unspecified Works	1980	957915
S	230m W	Unspecified Depot	1988	866652
S	230m W	Unspecified Depot	1980	986151
S	230m W	Unspecified Depot	1985	866652
S	230m W	Unspecified Depot	1994	866652

ID	Location	Land Use	Date	Group ID
L	232m SE	Gas Works	1980	888421
L	232m SE	Gas Works	1985	923545
T	240m N	Railway Buildings	1923	810636
L	256m SE	Gasometer	1916	922201
L	256m SE	Gasometer	1905	922201
L	256m SE	Unspecified Tank	1938	876704
L	256m SE	Unspecified Tank	1932	876704
L	256m SE	Gasometer	1923	922201
L	258m SE	Unspecified Tanks	1956	993648
L	258m SE	Unspecified Tank	1972	871635
L	258m SE	Gasometer	1980	936391
L	258m SE	Unspecified Tanks	1896	958691
V	263m NE	Bus Station	1980	856994
L	271m E	Unspecified Commercial/Industrial	1848	983292
F	272m NE	Railway Building	1923	854222
G	275m NE	Disused Station	1985	917245
W	282m NW	Railway Building	1923	854220
K	282m W	Warehouse	1848	852230
W	283m NW	Railway Building	1916	960031
W	288m NW	Railway Building	1938	932961
W	288m NW	Railway Building	1932	932961
L	289m SE	Rubber Works	1956	973654
L	289m SE	Gasometer	1916	961359
L	289m SE	Gasometer	1905	961359
L	289m SE	Unspecified Tank	1938	887495
L	289m SE	Unspecified Tank	1932	887495
L	289m SE	Gasometer	1923	961359
L	297m E	Unspecified Tank	1848	849454

ID	Location	Land Use	Date	Group ID
V	305m NE	Railway Building	1938	932943
V	305m NE	Railway Building	1932	932943
V	305m NE	Railway Building	1916	932943
V	305m NE	Railway Building	1905	932943
V	305m NE	Railway Building	1923	932943
L	310m E	Gasometer	1916	939619
L	310m E	Gasometer	1905	939619
L	310m E	Unspecified Tank	1938	1009278
L	310m E	Unspecified Tank	1932	1009278
L	310m E	Gasometer	1923	939619
X	312m NE	Cotton Mills	1848	825898
Y	314m NE	Goods Station	1923	958822
Y	316m NE	Goods Station	1938	967290
Y	316m NE	Goods Station	1932	967290
Y	316m NE	Goods Station	1916	974221
Y	316m NE	Goods Station	1905	974221
Z	321m S	Police Station	1972	937951
Z	321m S	Police Station	1980	987579
Z	321m S	Police Station	1985	986465
AA	325m NW	Railway Building	1916	944816
AA	325m NW	Railway Building	1905	944816
AA	325m NW	Railway Building	1923	944816
Z	325m S	Fire Station	1938	958741
Y	328m NE	Goods Station	1956	963807
L	329m E	Unspecified Tank	1848	849453
W	330m NW	Unspecified Ground Workings	1848	814699
L	330m SE	Rubber Works	1938	994093
L	330m SE	Rubber Works	1932	994093

ID	Location	Land Use	Date	Group ID
L	330m SE	Unspecified Commercial/Industrial	1905	879196
L	331m E	Gasometer	1916	924805
L	331m E	Gasometer	1905	924805
L	331m E	Unspecified Tank	1938	921791
L	331m E	Unspecified Tank	1932	921791
L	331m E	Gasometer	1923	924805
Z	332m S	Fire Station	1972	879366
Z	332m S	Fire Station	1980	1003634
Z	332m S	Fire Station	1985	913222
S	334m W	Unspecified Ground Workings	1848	814700
L	337m E	Unspecified Tanks	1956	1009741
L	337m E	Unspecified Tank	1972	913097
L	337m E	Gasometer	1980	917421
L	337m E	Gasometer	1985	897602
L	345m SE	Unspecified Works	1988	928815
L	345m SE	Unspecified Works	1980	976327
L	345m SE	Unspecified Works	1985	928815
L	345m SE	Unspecified Works	1994	928815
S	345m W	Quay	1848	960465
S	347m W	Unspecified Warehouses	1972	856272
L	355m E	Gasometer	1916	1001145
L	355m E	Gasometer	1905	1001145
L	355m E	Unspecified Tank	1938	991708
L	355m E	Unspecified Tank	1932	991708
L	355m E	Gasometer	1923	1001145
L	366m E	Rubber Works	1923	965876
AE	372m E	Railway Sidings	1938	859983
AE	372m E	Railway Sidings	1932	859983

ID	Location	Land Use	Date	Group ID
AE	372m E	Railway Sidings	1916	859983
AE	372m E	Railway Sidings	1905	859983
AE	372m E	Railway Sidings	1923	859983
L	372m E	Rubber Works	1916	922757
W	377m NW	Railway Buildings	1905	810633
L	377m E	Gasometer	1916	946404
L	377m E	Gasometer	1905	946404
L	377m E	Unspecified Tank	1938	937983
L	377m E	Unspecified Tank	1932	937983
L	377m E	Gasometer	1923	946404
AF	378m E	Corporation Yard	1938	940902
AF	378m E	Corporation Yard	1932	940902
AF	378m E	Corporation Yard	1916	940902
AF	378m E	Corporation Yard	1905	940902
AF	378m E	Corporation Yard	1923	940902
T	382m N	Goods Station	1938	953299
T	382m N	Goods Station	1932	953299
T	382m N	Goods Station	1916	953299
T	382m N	Goods Station	1905	953299
T	382m N	Goods Station	1923	953299
S	384m W	Warehouse	1848	852229
L	386m E	Unspecified Tank	1848	996644
T	388m N	Goods Station	1972	947488
T	388m N	Disused Goods Station	1980	817824
T	389m N	Goods Station	1956	917923
AJ	405m NW	Railway Sidings	1923	978214
W	405m NW	Railway Building	1916	907132
AJ	406m NW	Railway Sidings	1916	923062

ID	Location	Land Use	Date	Group ID
W	407m W	Railway Building	1923	907132
AD	408m NW	Goods Sheds	1938	871028
AD	408m NW	Goods Sheds	1932	871028
AD	408m NW	Goods Sheds	1916	871028
AD	408m NW	Goods Sheds	1905	871028
AD	408m NW	Goods Sheds	1923	871028
AJ	408m NW	Railway Sidings	1938	923062
AJ	408m NW	Railway Sidings	1932	1009972
AJ	408m NW	Railway Sidings	1905	871411
AD	408m NW	Railway Buildings	1896	810649
AJ	408m NW	Railway Sidings	1896	990314
AD	410m NW	Railway Building	1972	933625
AD	410m NW	Railway Sidings	1956	927260
AD	410m NW	Railway Building	1980	968055
AD	410m NW	Railway Building	1985	937253
AJ	410m NW	Goods Depot	1972	969057
AJ	410m NW	Railway Sidings	1956	881875
AJ	410m NW	Goods Depot	1980	982780
AD	411m NW	Unspecified Depot	1988	885508
AD	411m NW	Unspecified Depot	1985	885508
AK	412m NE	Railway Building	1938	889705
AK	412m NE	Railway Building	1932	889705
W	413m W	Railway Building	1938	1007516
W	413m W	Railway Building	1932	1007516
AJ	419m NW	Railway Sidings	1988	916623
AJ	419m NW	Railway Sidings	1994	916623
L	422m E	Unspecified Tank	1848	849452
L	425m E	Unspecified Commercial/Industrial	1896	1008574

ID	Location	Land Use	Date	Group ID
L	436m E	Unspecified Works	1988	892981
L	436m E	Unspecified Works	1980	946286
L	436m E	Unspecified Works	1985	892981
L	436m E	Unspecified Works	1994	892981
AD	437m NW	Goods Sheds	1938	891142
AD	437m NW	Goods Sheds	1932	891142
AD	437m NW	Goods Sheds	1916	891142
AD	437m NW	Goods Sheds	1905	891142
AD	437m NW	Goods Sheds	1923	891142
AD	437m NW	Goods Station	1956	810453
7	438m W	Timber Wharf	1848	834904
AD	441m NW	Railway Building	1972	1002551
AD	441m NW	Railway Building	1980	984510
AD	441m NW	Railway Building	1985	964774
AE	459m E	Railway Sidings	1896	993937
AJ	462m NW	Unspecified Commercial/Industrial	1848	822349
8	468m W	Gravel Pit	1848	851996
AE	473m E	Railway Sidings	1988	879821
AE	473m E	Railway Sidings	1985	879821
AE	473m E	Railway Sidings	1994	879821
AJ	477m NW	Railway Sidings	1848	1003395
10	483m N	Railway Buildings	1923	810635
AD	495m NW	Railway Buildings	1938	943938
AD	495m NW	Railway Buildings	1932	943938
AJ	496m NW	Railway Sidings	1972	988416
AJ	496m NW	Railway Sidings	1980	986444
AJ	496m NW	Railway Sidings	1985	871710
AM	497m W	Unspecified Wharves	1938	894457

ID	Location	Land Use	Date	Group ID
AM	497m W	Unspecified Wharves	1932	894457
AM	497m W	Unspecified Wharves	1916	979434
AM	497m W	Unspecified Wharves	1905	979434
AD	500m NW	Railway Building	1916	1004146
AD	500m NW	Railway Building	1905	1004146
AD	500m NW	Railway Building	1923	1004146

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**198**

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 31 >**

ID	Location	Land Use	Date	Group ID
D	89m SE	Unspecified Tank	1891	115294
D	112m SE	Tanks	1949	108715
D	115m SE	Tanks	1949	108714
H	131m E	Unspecified Tank	1891	115291
L	174m E	Gas Works	1893	129043
L	174m E	Gas Works	1908	129043
L	174m E	Gas Works	1922	138279
L	175m E	Gas Works	1891	146932
H	187m E	Gasometer	1908	142772
H	187m E	Gasometer	1922	142772
H	187m E	Unspecified Tank	1932	134199
H	190m E	Unspecified Tank	1969	130499
H	190m E	Unspecified Tank	1953	154985
H	191m E	Unspecified Tank	1957	128947

ID	Location	Land Use	Date	Group ID
H	191m E	Unspecified Tank	1965	128947
H	191m E	Unspecified Tank	1949	143876
H	193m E	Unspecified Tank	1980	137448
H	193m E	Unspecified Tank	1980	137448
H	193m E	Unspecified Tank	1985	137448
N	195m NE	Tanks	1951	130425
N	195m NE	Tanks	1948	143858
N	195m NE	Tanks	1949	152322
N	195m NE	Tanks	1957	130425
N	195m NE	Tanks	1965	130425
O	197m NW	Unspecified Tank	1932	115026
L	208m E	Gas Works	1949	128464
F	218m N	Unspecified Tank	1955	149684
F	218m N	Unspecified Tank	1957	156070
L	224m SE	Unspecified Tank	1969	142299
4	226m E	Tanks	1891	108717
H	236m E	Unspecified Tank	1908	152429
H	236m E	Unspecified Tank	1922	152429
H	236m E	Unspecified Tank	1932	152429
H	239m E	Unspecified Tank	1969	153577
H	239m E	Unspecified Tank	1953	153919
H	239m E	Unspecified Tank	1957	128256
L	239m SE	Gas Holder Station	1980	155526
L	239m SE	Gas Holder Station	1980	155526
L	239m SE	Disused Gas Holder Station	1985	126184
H	240m E	Unspecified Tank	1980	153577
H	240m E	Unspecified Tank	1980	153577
H	240m E	Unspecified Tank	1985	153577

ID	Location	Land Use	Date	Group ID
L	256m SE	Gasometers	1908	153355
L	256m SE	Gasometers	1922	153355
L	256m SE	Tanks	1932	108716
L	257m SE	Gasometer	1893	150127
L	258m SE	Unspecified Tank	1957	143015
L	258m SE	Unspecified Tank	1965	143015
L	258m SE	Gasometer	1949	140020
L	259m SE	Gasometer	1969	150127
L	259m SE	Unspecified Tank	1953	131493
L	261m E	Tanks	1893	151285
L	261m E	Tanks	1891	126769
L	272m SE	Unspecified Tank	1957	138206
L	272m SE	Unspecified Tank	1949	151860
L	283m SE	Unspecified Tank	1957	143010
L	283m SE	Unspecified Tank	1965	143010
L	284m SE	Unspecified Tank	1969	143010
L	284m SE	Unspecified Tank	1953	143010
L	291m SE	Gasometer	1893	144817
L	294m SE	Unspecified Tank	1953	137941
L	294m SE	Unspecified Tank	1957	134264
L	294m SE	Unspecified Tank	1965	134264
L	294m SE	Gasometer	1949	136972
V	297m NE	Unspecified Tank	1891	115293
L	307m E	Unspecified Tank	1893	147641
L	310m E	Unspecified Tank	1957	130539
L	310m E	Unspecified Tank	1965	130539
L	311m E	Unspecified Tank	1953	130539
L	311m E	Unspecified Tank	1891	115292

ID	Location	Land Use	Date	Group ID
L	314m E	Gasometer	1893	139247
L	315m E	Gasometer	1891	141539
L	318m E	Tanks	1969	131205
L	318m E	Tanks	1953	148910
L	321m E	Tanks	1969	142141
L	321m E	Tanks	1953	131406
L	321m E	Unspecified Tank	1957	115290
L	321m E	Tanks	1949	127220
L	321m E	Tanks	1957	131406
L	321m E	Tanks	1949	131406
L	326m E	Unspecified Tank	1893	129472
L	326m E	Unspecified Tank	1891	129472
L	329m E	Unspecified Tank	1957	142137
L	329m E	Unspecified Tank	1965	142137
L	329m E	Unspecified Tank	1969	142137
L	329m E	Unspecified Tank	1953	142137
L	330m E	Unspecified Tank	1980	142137
L	330m E	Unspecified Tank	1980	142137
L	330m E	Unspecified Tank	1985	142137
L	334m E	Gasometer	1893	149968
L	335m E	Gasometer	1891	152905
L	338m E	Unspecified Tank	1957	141299
L	338m E	Unspecified Tank	1965	141299
L	338m E	Gasometer	1949	142179
L	338m E	Gasometer	1969	149968
L	338m E	Unspecified Tank	1953	138289
L	340m E	Gas Holder	1980	137601
L	340m E	Gas Holder	1980	137601

ID	Location	Land Use	Date	Group ID
L	340m E	Gas Holder	1985	137601
L	340m E	Tanks	1957	108596
L	343m SE	Unspecified Tank	1969	140651
L	343m SE	Unspecified Tank	1953	137028
L	343m SE	Unspecified Tank	1957	137028
L	343m SE	Unspecified Tank	1949	137028
L	344m SE	Unspecified Tank	1980	140651
L	344m SE	Unspecified Tank	1985	140651
L	344m SE	Unspecified Tank	1987	140651
L	344m SE	Unspecified Tank	1987	140651
L	344m SE	Unspecified Tank	1990	140651
L	346m SE	Unspecified Tank	1998	153520
L	346m E	Unspecified Tank	1893	149484
L	348m E	Gasometer	1891	114291
L	352m E	Unspecified Tank	1969	148917
L	352m E	Unspecified Tank	1953	148917
L	352m E	Unspecified Tank	1957	148917
L	352m E	Unspecified Tank	1965	148917
L	352m E	Unspecified Tank	1949	148917
L	355m E	Gasometer	1893	130887
L	356m E	Gasometer	1891	130887
L	358m E	Unspecified Tank	1957	127332
L	358m E	Unspecified Tank	1965	127332
L	358m E	Gasometer	1949	135711
L	359m E	Unspecified Tank	1953	131749
AC	359m W	Unspecified Tank	1980	134057
AC	359m W	Unspecified Tank	1980	154190
AC	359m W	Unspecified Tank	1965	149868

ID	Location	Land Use	Date	Group ID
AC	360m W	Unspecified Tank	1960	147256
AC	360m W	Unspecified Tank	1969	139198
L	364m E	Unspecified Tank	1891	114954
L	365m E	Unspecified Tank	1891	140833
L	371m E	Unspecified Tank	1893	154854
L	375m E	Gasometer	1969	114290
L	375m E	Unspecified Tank	1953	145295
L	375m E	Unspecified Tank	1957	145295
L	375m E	Unspecified Tank	1965	145295
L	376m E	Unspecified Tank	1980	151024
L	376m E	Unspecified Tank	1985	151024
L	377m E	Gasometer	1893	156214
L	379m E	Gasometer	1891	156214
L	381m E	Unspecified Tank	1957	133065
L	381m E	Unspecified Tank	1965	133065
L	381m E	Gasometer	1949	136042
L	382m E	Unspecified Tank	1953	138538
W	390m NW	Unspecified Tank	1922	115025
AI	395m SE	Unspecified Tank	1969	154955
AI	395m SE	Unspecified Tank	1953	139489
AI	395m SE	Unspecified Tank	1957	139489
AI	395m SE	Unspecified Tank	1949	139489
AI	403m SE	Unspecified Tank	1980	141556
AI	403m SE	Unspecified Tank	1980	141556
AI	403m SE	Unspecified Tank	1985	141556
L	407m E	Unspecified Tank	1987	144190
L	407m E	Unspecified Tank	1987	144190
L	407m E	Unspecified Tank	1990	144190

ID	Location	Land Use	Date	Group ID
L	411m E	Unspecified Tank	1893	145005
L	412m E	Unspecified Tank	1891	145005
L	424m E	Unspecified Tank	1998	149018
L	424m E	Unspecified Tank	1969	154747
L	425m E	Unspecified Tank	1980	126732
L	425m E	Unspecified Tank	1980	126732
L	425m E	Unspecified Tank	1985	126732
L	425m E	Unspecified Tank	1987	126732
L	425m E	Unspecified Tank	1987	126732
L	425m E	Unspecified Tank	1990	126732
6	436m N	Unspecified Tank	1891	115172
Y	441m NE	Unspecified Tank	1986	130493
Y	443m NE	Unspecified Tank	1988	132824
Y	443m NE	Unspecified Tank	1996	147875
Y	443m NE	Unspecified Tank	1995	147875
Y	443m NE	Unspecified Tank	1994	147875
Y	443m NE	Unspecified Tank	1999	147875
L	451m E	Unspecified Tank	1908	114953
Y	451m NE	Unspecified Tank	1986	145853
Y	452m NE	Unspecified Tank	1988	148102
Y	453m NE	Unspecified Tank	1996	148102
Y	453m NE	Unspecified Tank	1995	148102
Y	453m NE	Unspecified Tank	1994	148102
Y	453m NE	Unspecified Tank	1999	148102
Y	463m NE	Unspecified Tank	1986	132999
Y	464m NE	Unspecified Tank	1988	139530
Y	465m NE	Unspecified Tank	1996	126977
Y	465m NE	Unspecified Tank	1995	126977

ID	Location	Land Use	Date	Group ID
Y	465m NE	Unspecified Tank	1994	126977
Y	465m NE	Unspecified Tank	1999	126977
L	467m E	Unspecified Tank	1893	145665
L	467m E	Unspecified Tank	1922	135180
Y	473m NE	Unspecified Tank	1988	148866
Y	473m NE	Unspecified Tank	1996	148866
Y	473m NE	Unspecified Tank	1995	148866
Y	473m NE	Unspecified Tank	1994	148866
Y	473m NE	Unspecified Tank	1999	148866
9	473m SW	Unspecified Tank	1891	115047
L	479m E	Unspecified Tank	1893	129815
L	479m E	Unspecified Tank	1922	131267
AD	492m NW	Unspecified Tank	1965	139504
AD	492m NW	Unspecified Tank	1965	133853
AD	492m NW	Unspecified Tank	1963	133853
AD	493m NW	Unspecified Tank	1963	139504

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**93**

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 31 >**

ID	Location	Land Use	Date	Group ID
D	137m SE	Electricity Substation	1998	92277
D	139m SE	Electricity Transformers	1969	73429
D	139m SE	Electricity Transformers	1980	73429
D	139m SE	Electricity Transformers	1980	73429

ID	Location	Land Use	Date	Group ID
D	139m SE	Electricity Transformers	1985	73429
D	154m SE	Electricity Substation	1953	70856
D	155m SE	Electricity Substation	1969	90707
D	155m SE	Electricity Substation	1957	70856
D	155m SE	Electricity Substation	1949	70856
D	155m SE	Electricity Substation	1980	90707
D	155m SE	Electricity Substation	1980	90707
D	155m SE	Electricity Substation	1985	90707
D	155m SE	Electricity Substation	1987	90707
D	155m SE	Electricity Substation	1987	90707
D	155m SE	Electricity Substation	1990	90707
L	174m E	Gas Works	1893	86780
L	174m E	Gas Works	1908	86780
L	174m E	Gas Works	1922	84456
L	175m E	Gas Works	1891	73990
H	187m E	Gasometer	1908	88154
H	187m E	Gasometer	1922	88154
L	208m E	Gas Works	1949	79857
L	239m SE	Gas Holder Station	1980	74476
L	239m SE	Gas Holder Station	1980	74476
L	239m SE	Disused Gas Holder Station	1985	68843
P	251m SE	Electricity Substation	1998	66826
L	256m SE	Gasometers	1908	79709
L	256m SE	Gasometers	1922	79709
L	257m SE	Gasometer	1893	81639
L	258m SE	Gasometer	1949	87070
L	259m SE	Gasometer	1969	81639
L	291m SE	Gasometer	1893	91928

ID	Location	Land Use	Date	Group ID
L	294m SE	Gasometer	1949	74834
L	314m E	Gasometer	1893	84792
L	315m E	Gasometer	1891	77434
L	324m E	Electricity Substation	1998	65849
AB	327m SE	Electricity Substation	1957	80045
AB	327m SE	Electricity Substation	1949	70165
L	334m E	Gasometer	1893	79524
L	335m E	Gasometer	1891	77969
L	338m E	Gasometer	1949	88747
L	338m E	Gasometer	1969	79524
AB	338m S	Electricity Substation	1953	69203
L	340m E	Gas Holder	1980	90352
L	340m E	Gas Holder	1980	90352
L	340m E	Gas Holder	1985	90352
L	348m E	Gasometer	1891	68520
L	355m E	Gasometer	1893	86689
L	356m E	Gasometer	1891	86689
L	358m E	Gasometer	1949	76936
AD	369m NW	Electricity Substation	1957	76855
AD	371m NW	Electricity Substation	1995	69187
AD	371m NW	Electricity Substation	1955	72632
AC	374m W	Electricity Substation	1995	77623
AC	374m W	Electricity Substation	1997	77623
AC	374m W	Electricity Substation	1995	77623
AC	374m W	Electricity Substation	1997	77623
AD	374m NW	Electricity Substation	1949	72632
L	375m E	Gasometer	1969	68519
L	377m E	Gasometer	1893	73168

ID	Location	Land Use	Date	Group ID
L	379m E	Gasometer	1891	73168
AG	381m SW	Electricity Substation	1997	87799
AG	381m SW	Electricity Substation	1997	87799
L	381m E	Gasometer	1949	90192
AD	389m NW	Electricity Substation	1948	84176
AH	393m NW	Electricity Substation	1957	87242
AH	393m NW	Electricity Substation	1949	87242
AH	393m NW	Electricity Substation	1995	80836
AH	393m NW	Electricity Substation	1994	80836
AH	393m NW	Electricity Substation	1995	80836
AH	393m NW	Electricity Substation	1948	87242
AH	393m NW	Electricity Substation	1981	80836
AH	393m NW	Electricity Substation	1955	87242
AH	394m NW	Electricity Substation	1986	80836
AH	394m NW	Electricity Substation	1990	80836
AD	402m NW	Electricity Substation	1986	81033
AD	402m NW	Electricity Substation	1990	90860
AD	406m NW	Electricity Substation	1995	71919
AD	406m NW	Electricity Substation	1994	71919
AD	406m NW	Electricity Substation	1981	75511
AK	443m NE	Electricity Substation	1957	85241
AK	443m NE	Electricity Substation	1965	85241
AK	443m NE	Electricity Substation	1949	85241
AK	443m NE	Electricity Substation	1951	85241
AK	443m NE	Electricity Substation	1973	85241
AK	443m NE	Electricity Substation	1948	85241
AK	444m NE	Electricity Substation	1985	85241
AL	453m E	Hydraulic Power Station	1932	87405

ID	Location	Land Use	Date	Group ID
AL	458m E	Hydraulic Power Station	1951	77593
AL	458m E	Hydraulic Power Station	1973	77593
AL	458m E	Hydraulic Power Station	1948	88074
AL	458m E	Hydraulic Power Station	1957	83124
AL	458m E	Hydraulic Power Station	1949	73635

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	64

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 31 >**

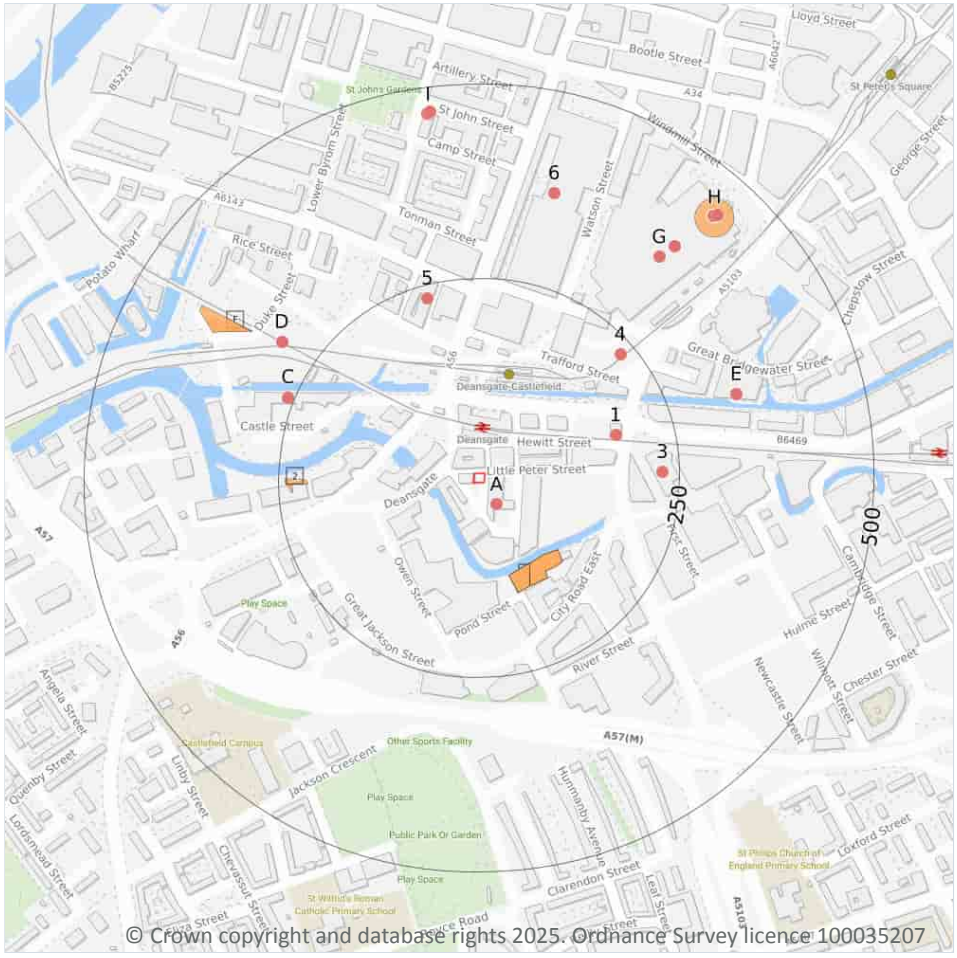
ID	Location	Land Use	Date	Group ID
A	12m N	Garage	1965	28379
A	13m N	Garage	1960	28379
A	13m N	Garage	1969	28379
A	64m N	Garage	1963	30682
A	64m N	Garage	1981	30682
A	64m N	Garage	1955	30682
A	64m N	Garage	1986	27623
A	64m N	Garage	1990	27623

ID	Location	Land Use	Date	Group ID
A	64m N	Garage	1957	30682
A	64m N	Garage	1965	30682
E	105m W	Garage	1980	30971
E	105m W	Garage	1980	30971
E	108m W	Garage	1969	28889
J	137m SW	Garage	1980	28779
J	137m SW	Garage	1980	28779
J	137m SW	Garage	1990	28779
J	141m SW	Garage	1995	26716
J	141m SW	Garage	1997	26716
J	141m SW	Garage	1995	26716
J	141m SW	Garage	1997	26716
H	180m E	Garage	1957	24325
H	180m E	Garage	1965	24325
H	181m E	Garage	1953	24325
Q	213m N	Garage	1995	25530
Q	213m N	Garage	1995	27975
Q	213m N	Garage	1994	27975
Q	214m N	Garage	1981	28188
Q	214m N	Garage	1986	28188
Q	214m N	Garage	1990	28188
R	224m SW	Garage	1980	30605
R	224m SW	Garage	1980	26797
R	224m SW	Garage	1990	26797
R	224m SW	Garage	1957	29417
R	224m SW	Garage	1965	24027
R	225m SW	Garage	1995	23312
R	225m SW	Garage	1997	23312

ID	Location	Land Use	Date	Group ID
R	225m SW	Garage	1995	23312
R	225m SW	Garage	1997	23312
R	225m SW	Garage	1960	29338
R	225m SW	Garage	1969	28842
R	238m SW	Garage	1954	27153
U	241m S	Garage	1965	24793
U	242m S	Garage	1957	27182
U	252m S	Garage	1960	24793
U	252m S	Garage	1954	29208
5	299m N	Garage	1981	22730
W	301m NW	Garage	1981	30488
W	301m NW	Garage	1986	30488
W	302m NW	Garage	1963	25233
W	307m NW	Garage	1965	29108
W	339m NW	Garage	1981	22731
X	342m NE	Garage	1973	22727
W	346m W	Garage	1965	27617
W	347m W	Garage	1963	27617
W	347m W	Garage	1981	27617
W	347m W	Garage	1986	25384
AD	420m NW	Garage	1981	23619
AD	420m NW	Garage	1986	23619
AD	420m NW	Garage	1990	23619
AD	483m NW	Boat Repair Yard	1949	26403
AD	483m NW	Boat Repair Yard	1953	24119
AD	485m NW	Boat Repair Yard	1948	26403
AD	489m NW	Boat Repair Yard	1949	26403
AD	490m NW	Boat Repair Yard	1953	24119

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	0

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.

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

3.5 Historical waste sites

Records within 500m	11

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 55 >**

ID	Location	Address	Further Details	Date
B	119m 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	1990
B	119m 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	1997
B	119m 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	1995

ID	Location	Address	Further Details	Date
B	119m 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	1995
B	119m 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	1987
B	119m 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	1987
B	119m 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	1990
2	212m W	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
F	339m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
F	339m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
H	416m NE	Site Address: Manchester Central Convention, Windmill Street, Manchester, Greater Manchester, M2 3GX	Type of Site: Recycling Centre Planning application reference: 103313/FO/2013/C1 Description: Scheme comprises relocation of waste storage facility to allow creation of a business recycling centre and construction of screening. Data source: Historic Planning Application Data Type: Point	12/11/2013

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

3.6 Licensed waste sites

Records within 500m	0

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

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

3.7 Waste exemptions

Records within 500m	66

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 55 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	33m SE	1, Alpha Place, Manchester, M15 4pp	WEX017965	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	33m SE	1, Alpha Place, Manchester, M15 4pp	WEX017965	Storing waste exemption	Not on a farm	Storage of waste in a secure place
1	175m E	Axis Tower, Albion Street, Manchester, M1 5nz	WEX074989	Using waste exemption	Not on a farm	Use of waste in construction
3	228m E	Bam Project Office, First Street Plot 9a, Hulme Street, Manchester, M15 4rp	WEX338383	Using waste exemption	Not on a farm	Use of waste in construction
4	231m NE	Axis Tower, Albion Street, Manchester, M1 5nz	WEX220537	Using waste exemption	Not on a farm	Use of waste in construction
5	233m N	6, Southern Street, Manchester, M3 4nj	WEX384675	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	259m W	Bestway Panacea Holdings Limited, Bulk Registration For Bestway Panacea Holdings Limited For 108 Sites, M34lz	NRW-WME005755	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	259m W	Bestway National Chemists Ltd, Bestway National Chemists Ltd, Merchants Warehouse, 21 Castle Street, Manchester, M3 4lz	NRW-WME074524	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
C	259m W	Bestway National Chemists Ltd, Bulk Registration For Bestway National Chemists Ltd (107 Sites), M34lz	NRW-WME036650	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	300m NW	-	WEX347217	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	300m NW	-	WEX347217	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
E	338m E	Eversheds House 70 Great Bridgewater Street Manchester M1 5es	EPR/QE5657AK/A001	Using waste exemption	Non-agricultural waste only	Spreading waste on non-agricultural land to confer benefit
E	338m E	Eversheds House 70 Great Bridgewater Street Manchester M1 5es	EPR/QE5657AK/A001	Treating waste exemption	Non-agricultural waste only	Treatment of kitchen waste in a wormery
E	338m E	Eversheds House 70 Great Bridgewater Street Manchester M1 5es	EPR/QE5657AK/A001	Using waste exemption	Non-agricultural waste only	Use of mulch
G	356m NE	-	WEX346897	Treating waste exemption	Not on a farm	Screening and blending of waste
G	356m NE	-	WEX346897	Treating waste exemption	Not on a farm	Recovery of scrap metal
G	356m NE	-	WEX346897	Treating waste exemption	Not on a farm	Sorting mixed waste
G	356m NE	-	WEX346897	Treating waste exemption	Not on a farm	Treatment of waste food
G	356m NE	-	WEX346897	Treating waste exemption	Not on a farm	Treatment of kitchen waste in a wormery
G	356m NE	-	WEX346897	Using waste exemption	Not on a farm	Use of waste in construction
G	356m NE	-	WEX346897	Using waste exemption	Not on a farm	Use of waste in the construction of entertainment or educational installations etc
G	356m NE	-	WEX346897	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

ID	Location	Site	Reference	Category	Sub-Category	Description
G	356m NE	-	WEX346897	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	356m NE	-	WEX346897	Storing waste exemption	Not on a farm	Storage of waste in a secure place
6	370m N	The Mews, Great Northern Warehouse 235 Deansgate Manchester M3 4en	EPR/BF0603EU/A001	Using waste exemption	Non-agricultural waste only	Use of waste in the construction of entertainment or educational installations etc
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX217816	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX063339	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Using waste exemption	Not on a farm	Use of waste in construction
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Using waste exemption	Not on a farm	Use of waste in the construction of entertainment or educational installations etc
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Treating waste exemption	Not on a farm	Sorting mixed waste
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Treating waste exemption	Not on a farm	Manual treatment of waste
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Treating waste exemption	Not on a farm	Treatment of kitchen waste in a wormery
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Treating waste exemption	Not on a farm	Treatment of waste food
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Treating waste exemption	Not on a farm	Screening and blending of waste
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Treating waste exemption	Not on a farm	Recovery of scrap metal
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Storing waste exemption	Not on a farm	Storage of waste in secure containers

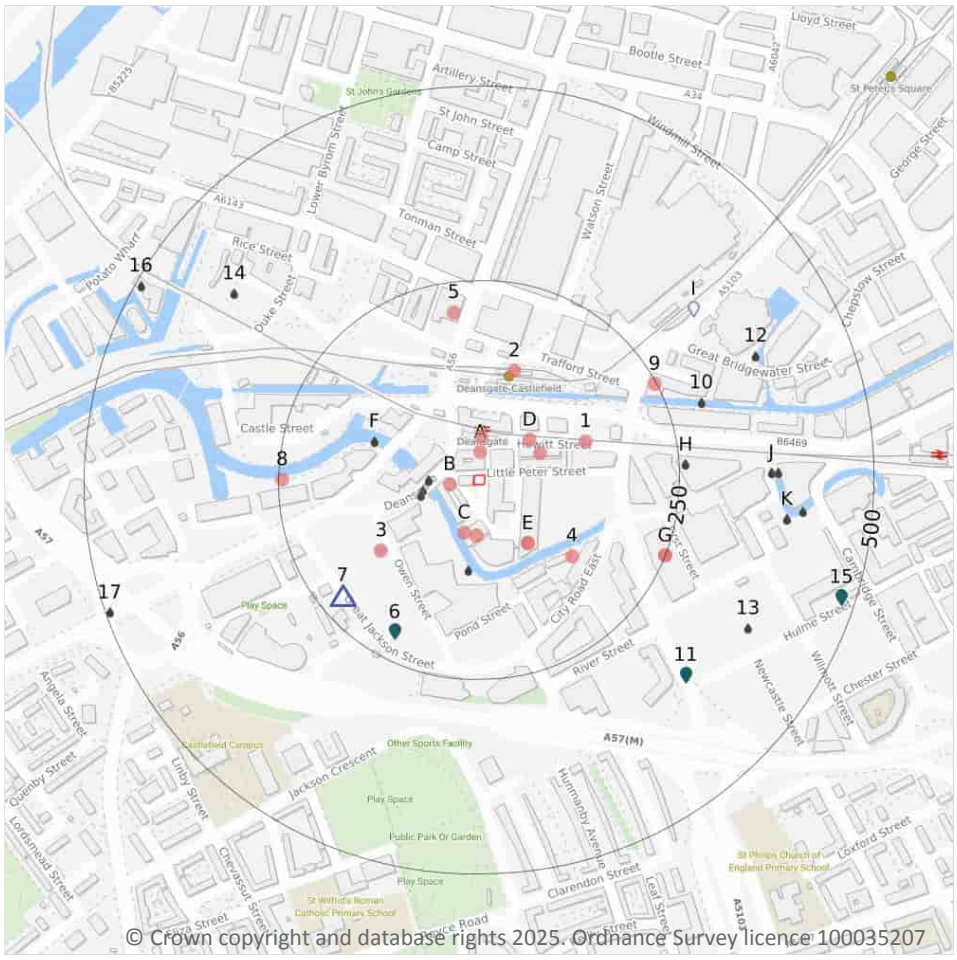
ID	Location	Site	Reference	Category	Sub-Category	Description
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Using waste exemption	Not on a farm	Use of waste in construction
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX075609	Using waste exemption	Not on a farm	Use of waste in the construction of entertainment or educational installations etc
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Treating waste exemption	Not on a farm	Treatment of kitchen waste in a wormery
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Treating waste exemption	Not on a farm	Treatment of waste food
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Treating waste exemption	Not on a farm	Manual treatment of waste
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Treating waste exemption	Not on a farm	Sorting mixed waste
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Treating waste exemption	Not on a farm	Recovery of scrap metal
G	379m NE	Windmill Street, Manchester, M2 3gx	WEX220776	Treating waste exemption	Not on a farm	Screening and blending of waste
H	442m NE	-	WEX210229	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Using waste exemption	Non-agricultural waste only	Use of waste in the construction of entertainment or educational installations etc
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste food
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Treating waste exemption	Non-agricultural waste only	Treatment of kitchen waste in a wormery
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Treating waste exemption	Non-agricultural waste only	Screening and blending of waste
H	442m NE	Manchester Central Convention Co Petersfield Manchester Greater Manchester M2 3gx	EPR/ZF0434NE/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
H	446m NE	Manchester Central Convention Complex Petersfield Manchester M2 3gx	EPR/KE5983NV/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
I	465m N	25 St. John Street Manchester M3 4dt	EPR/DE5245SP/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
I	466m N	25, St. John Street, Manchester, M3 4dt	WEX243303	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
I	466m N	98, Harley Street, London, W1g 7hz	WEX099367	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
I	468m N	25 St John Street M34dt	EPR/FE5081QV/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	18

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 64 >**

ID	Location	Company	Address	Activity	Category
A	30m N	Pure Controls Ltd	6, Hewitt Street, Manchester, Greater Manchester, M15 4GB	Measurement and Inspection Equipment	Industrial Products
B	30m W	Hulley & Kirkwood Consulting Engineers Limited	2, Commercial Street, Manchester, Greater Manchester, M15 4RQ	Civil Engineers	Engineering Services

ID	Location	Company	Address	Activity	Category
A	50m N	Deansgate Rail Station	Greater Manchester, M15	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
C	63m S	Commercial Wharf	Greater Manchester, M15	Moorings and Unloading Facilities	Water
C	65m S	R O C Consulting	Commercial Wharf, 6, Commercial Street, Manchester, Greater Manchester, M15 4PZ	Industrial Engineers	Engineering Services
D	73m NE	G T Autos	Arch 88, Hewitt Street, Manchester, Greater Manchester, M15 4GB	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	76m E	Integra Consulting	14-32, Hewitt Street, Manchester, Greater Manchester, M15 4GB	Structural Engineers	Engineering Services
E	94m SE	Pest Control Manchester	14, Commercial Street, Manchester, Greater Manchester, M15 4PZ	Pest and Vermin Control	Contract Services
E	94m SE	Adeptus Consulting	14, Commercial Street, Manchester, Greater Manchester, M15 4PZ	Car Ports and Steel Buildings	Industrial Products
1	137m E	Mancoco	Arch 84, Hewitt Street, Manchester, Greater Manchester, M15 4GB	Food and Beverage Industry Machinery	Industrial Products
2	140m N	Deansgate-Castlefield (Mancheste r Metrolink)	Greater Manchester, M1	Tram, Metro and Light Railway Stations and Stops	Public Transport, Stations and Infrastructure
3	145m SW	Electricity Sub Station	Greater Manchester, M15	Electrical Features	Infrastructure and Facilities
4	145m SE	Electricity Sub Station	Greater Manchester, M15	Electrical Features	Infrastructure and Facilities
5	212m N	Handpicked Accountants	340, Deansgate, Manchester, Greater Manchester, M3 4LY	Published Goods	Industrial Products
8	246m W	Castle Field Coal Wharf	Greater Manchester, M15	Moorings and Unloading Facilities	Water
9	248m NE	My P C Fix	Albion Wharf 19, Albion Street, Manchester, Greater Manchester, M1 5LN	Electrical Equipment Repair and Servicing	Repair and Servicing
G	250m E	W S P	8, First Street, Manchester, Greater Manchester, M15 4RP	Civil Engineers	Engineering Services
G	250m E	Gazprom Marketing & Energy	8, First Street, Manchester, Greater Manchester, M15 4RP	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 64 >**

ID	Location	Company	Address	LPG	Status
7	220m SW	OBSOLETE	14, Great Jackson Street, Castlefield, Manchester, Greater Manchester, M15 4NG	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	2

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

Features are displayed on the Current industrial land use map on **page 64 >**

ID	Location	Details	
I	342m NE	Operator: MANCHESTER HEAT NETWORK TRADECO LIMITED Installation Name: Manchester Civic Quarter Energy Centre EPR/JP3700BU Process: TRANCHE A SG PERMITTING DATE 1ST OCTOBER 2019 Permit Number: JP3700BU Original Permit Number: JP3700BU	EPR Reference: EPR/JP3700BU Issue Date: 20/08/2020 Effective Date: 20/08/2020 Last date noted as effective: 28/04/2025 Status: Effective

ID	Location	Details	
I	342m NE	Operator: MANCHESTER HEAT NETWORK TRADECO LIMITED Installation Name: Manchester Civic Quarter Energy Centre EPR/JP3700BU Process: NEW MEDIUM COMBUSTION PLANT Permit Number: JP3700BU Original Permit Number: JP3700BU	EPR Reference: EPR/JP3700BU Issue Date: 20/08/2020 Effective Date: 20/08/2020 Last date noted as effective: 28/04/2025 Status: Effective

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

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

Records within 500m **3**

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 64 >**

ID	Location	Address	Details	
6	215m SW	Tom Garner Motors, A Branch of Robins & Day Ltd, Chester Rd, Manchester, M15 4GA	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
11	356m SE	Jessop & Baird Ltd, Hulme St, M15 6AL	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
15	481m E	Dunlop Ltd, Cambridge St, M60 1PD	Process: Rubber Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements 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	26

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 64 >**

ID	Location	Address	Details	
B	57m W	DEANSGATE,LPETERST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0157 Permit Version: 2 Receiving Water: TUNNEL TO MEDLOCK	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 18/07/2014
B	57m W	DEANSGATE,LPETERST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0157 Permit Version: 1 Receiving Water: TUNNEL TO MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
B	66m W	CHESTERROADGREATJACKSONROADCSO,371DEANSGATE,MANCHESTER,GREATERMANCHESTER,M154UP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982719 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 29/03/2021 Effective Date: 29/03/2021 Revocation Date: -
B	69m W	CHESTERROADGREATJACKSONROADCSO,371DEANSGATE,MANCHESTER,GREATERMANCHESTER,M154UP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0276 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 01/12/1999
B	69m W	CHESTERROADGREATJACKSONROADCSO,371DEANSGATE,MANCHESTER,GREATERMANCHESTER,M154UP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982719 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 01/12/1999 Revocation Date: 28/03/2021
C	111m S	OWENSTREET,OWENSTREET,MANCHESTER,M154PZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRFB3091RH Permit Version: 1 Receiving Water: THE RIVER MEDLOCK	Status: SURRENDERED UNDER EPR 2010 Issue date: 04/10/2016 Effective Date: 04/10/2016 Revocation Date: 02/07/2018

ID	Location	Address	Details	
F	136m W	POTATOWHARF,OFFLIVERPOOLRD, MANCHESTER,GREATERMANCHESTER,M34LA	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0175/5 Permit Version: 2 Receiving Water: CROWTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
F	136m W	POTATOWHARF,OFFLIVERPOOLRD, MANCHESTER,GREATERMANCHESTER,M34LA	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0175/5 Permit Version: 3 Receiving Water: CROWTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 30/06/1995
F	136m W	POTATOWHARF,OFFLIVERPOOLRD, MANCHESTER,GREATERMANCHESTER,M34LA	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0175/5 Permit Version: 4 Receiving Water: CROWTON BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 01/07/1995 Revocation Date: 08/03/2016
F	136m W	POTATOWHARF,OFFLIVERPOOLRD, MANCHESTER,GREATERMANCHESTER,M34LA	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 0175/5 Permit Version: 1 Receiving Water: CROWTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 20/01/1975 Revocation Date: 31/03/1991
F	136m W	POTATOWHARF,OFFLIVERPOOLRD, MANCHESTER,GREATERMANCHESTER,M34LA	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0175/5 Permit Version: 1 Receiving Water: CROWTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 20/01/1975 Revocation Date: 31/03/1991
H	258m E	ALBIONSTREETHEWITTST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982706 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 30/09/1994 Revocation Date: 13/11/2019

ID	Location	Address	Details	
H	258m E	ALBIONSTREETHEWITTST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0251 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 01/01/1995
10	293m E	TRUMPETSTREET,SSO,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0168 Permit Version: 1 Receiving Water: RIVER TIB CULVERT-MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993
J	368m E	GREATBRIDGEWATERSTCSO(281WI,80GREATBRIDGEWATERSTREET,GREATANCOATS,MANCHESTER,GREATERMANCHESTER,M15JG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982707 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 30/09/1994 Revocation Date: 19/10/2020
J	368m E	GREATBRIDGEWATERSTCSO(281WI,80GREATBRIDGEWATERSTREET,GREATANCOATS,MANCHESTER,GREATERMANCHESTER,M15JG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0252 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 01/01/1995
J	377m E	GREATBRIDGEWATERSTCSO(281WI,80GREATBRIDGEWATERSTREET,GREATANCOATS,MANCHESTER,GREATERMANCHESTER,M15JG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982707 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 20/10/2020 Effective Date: 20/10/2020 Revocation Date: -
12	380m NE	GREATBRIDGEWATERSTCSO(281WI,80GREATBRIDGEWATERSTREET,GREATANCOATS,MANCHESTER,GREATERMANCHESTER,M15JG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0163 Permit Version: 1 Receiving Water: RIVER TIB CULVERT	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993
13	386m SE	NEWCASTLESTCHESTERST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0361 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: -

ID	Location	Address	Details	
14	387m NW	RICESTNEARCASTLEST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0171 Permit Version: 1 Receiving Water: BRIDGEWATER CANAL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993
K	391m E	WILMOTTSTATRIVERST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0184 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 18/10/1999
K	391m E	LOWERCAMBRIDGEST,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0285 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 15/11/1999
K	391m E	CAMBRIDGESTREETCSO282D9,1CAMBRIDGESTREET,MANCHESTER,GREATERMANCHESTER,M15BW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982721 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 11/04/2018 Effective Date: 11/04/2018 Revocation Date: -
K	410m E	CAMBRIDGESTREETCSO282D9,1CAMBRIDGESTREET,MANCHESTER,GREATERMANCHESTER,M15BW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982721 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 15/11/1999 Revocation Date: 10/04/2018
16	493m NW	TOPHAMRESDEVELOPMENTSWO,LIVERPOOLROADPOTATOWHARF,CASTLEFIELD,GREATERMANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991276 Permit Version: 1 Receiving Water: BRIDGEWATER CANAL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 18/05/1988 Revocation Date: 01/07/1991
17	495m W	MANCUNIANWAYROUNDABOUT,MANCHESTER,GREATERMANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0368 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: -

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	0

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

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.

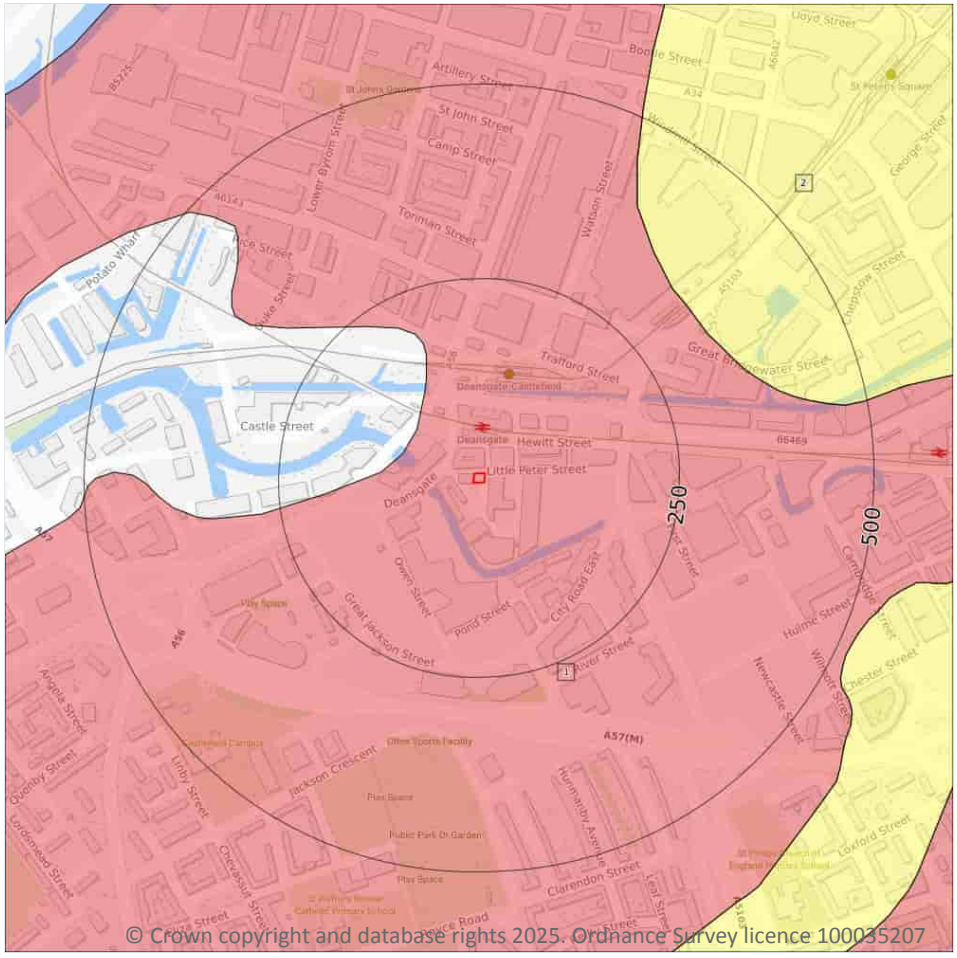
4.21 Pollution inventory radioactive waste

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



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Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	2

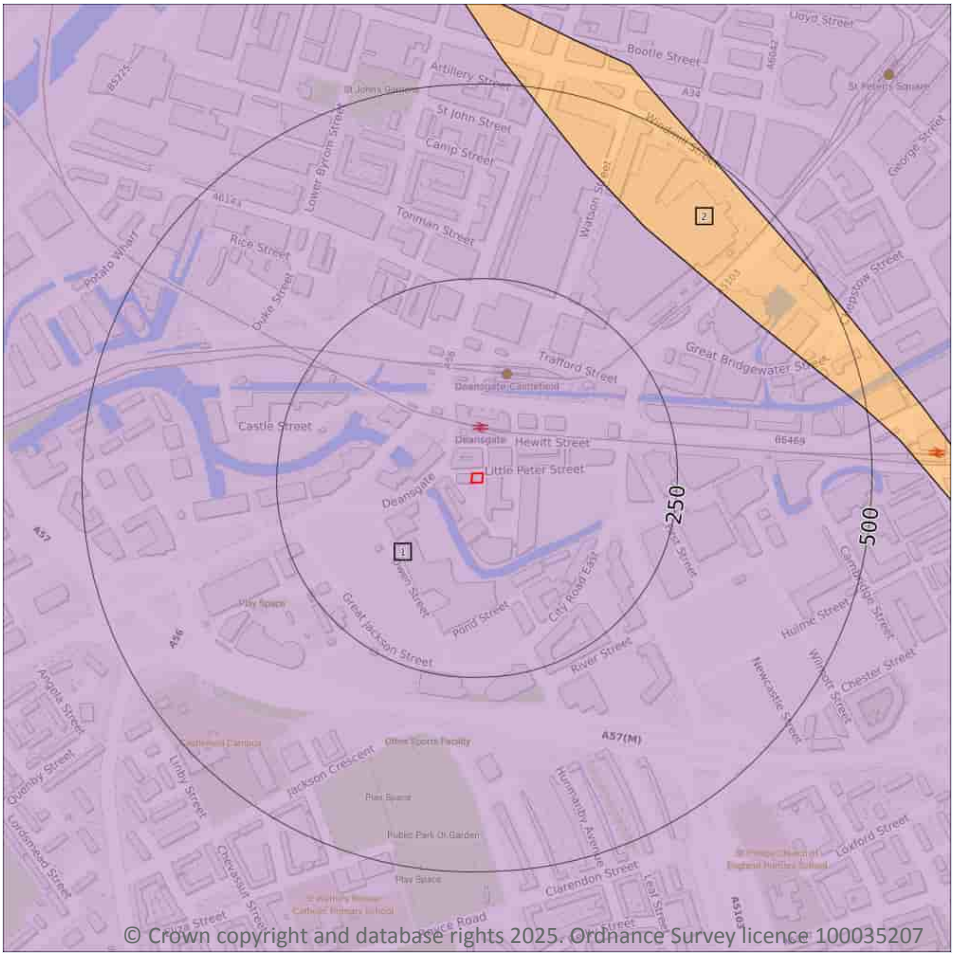
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 75 >**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	337m NE	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 **2**

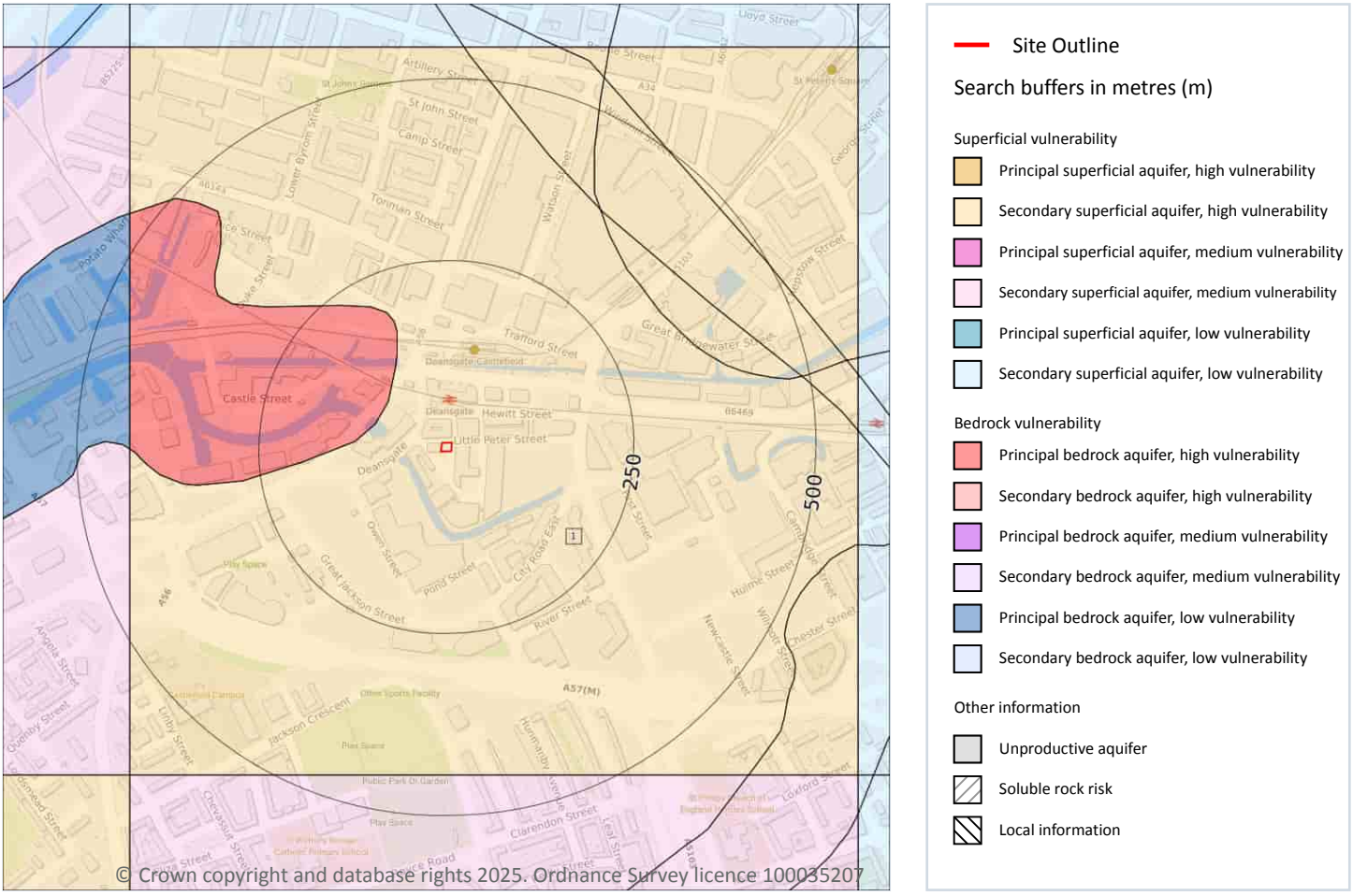
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 77 >**

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**
2	376m NE	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	1

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

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

Features are displayed on the Groundwater vulnerability map on **page 79 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High**	**Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures**

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

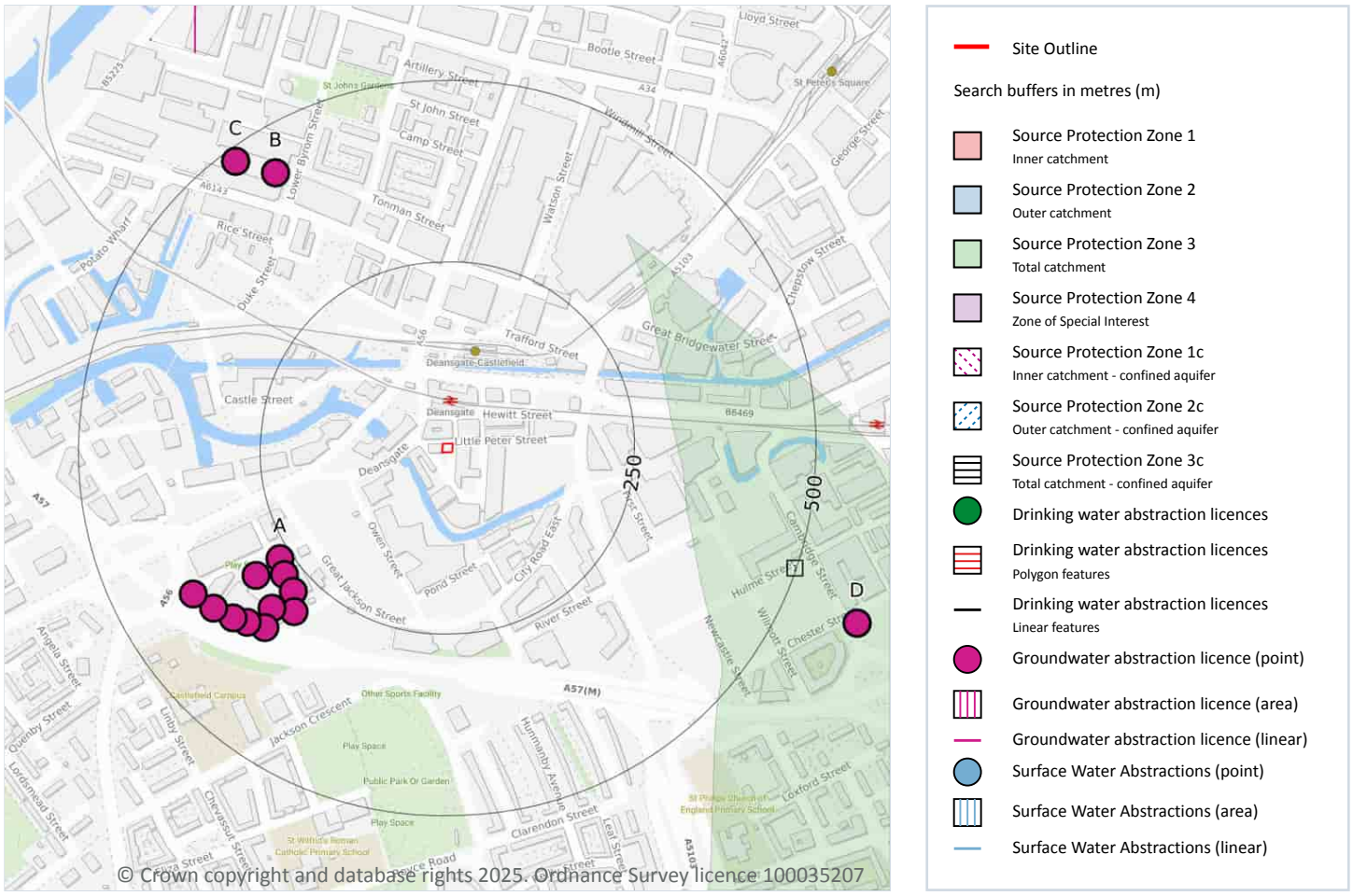
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



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5.6 Groundwater abstractions

Records within 2000m	71

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 81 >**

ID	Location	Details	
A	267m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW11 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383204 Northing: 397298	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	274m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW10 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383211 Northing: 397276	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	280m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW9 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383223 Northing: 397253	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	299m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW8 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383224 Northing: 397225	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -

ID	Location	Details	
A	307m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW6 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383171 Northing: 397275	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	317m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW5 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383193 Northing: 397230	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	343m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW7 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383184 Northing: 397203	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	356m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW4 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383159 Northing: 397210	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -

ID	Location	Details	
A	366m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW3 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383140 Northing: 397217	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	380m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW2 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383113 Northing: 397230	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
A	394m SW	Status: Historical Licence No: NW/069/0006/010 Details: Dewatering Direct Source: Ground Water - North West Region Point: BOREHOLE PW1 CHESTER FORMATION AT CROWN STREET Data Type: Point Name: Renaker Build Ltd Easting: 383085 Northing: 397249	Annual Volume (m^3): 260172 Max Daily Volume (m^3): 712.8 Original Application No: NPS/WR/034474 Original Start Date: 24/09/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 24/09/2021 Version End Date: -
B	438m NW	Status: Active Licence No: NW/069/0004/021/R01 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/040753 Original Start Date: 04/04/2024 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 04/04/2024 Version End Date: -
B	438m NW	Status: Historical 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: -

ID	Location	Details	
C	482m NW	Status: Active Licence No: NW/069/0004/021/R01 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/040753 Original Start Date: 04/04/2024 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 04/04/2024 Version End Date: -
C	482m NW	Status: Historical 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: -
D	605m SE	Status: Active Licence No: NW/069/0006/009 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BH1, SCIENCE AND ENGINEERING BUILDING Data Type: Point Name: Manchester Metropolitan University Easting: 383998 Northing: 397209	Annual Volume (m^3): 176000 Max Daily Volume (m^3): 908 Original Application No: NPS/WR/033653 Original Start Date: 22/05/2024 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 22/05/2024 Version End Date: -
D	605m SE	Status: Active Licence No: NW/069/0006/009 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BH1, SCIENCE AND ENGINEERING BUILDING Data Type: Point Name: Manchester Metropolitan University Easting: 383998 Northing: 397209	Annual Volume (m^3): 176000 Max Daily Volume (m^3): 908 Original Application No: NPS/WR/033653 Original Start Date: 22/05/2024 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 22/05/2024 Version End Date: -
2	626m NW	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: -

ID	Location	Details	
-	727m N	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: -
-	735m SE	Status: Active Licence No: NW/069/0004/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE AB1 AT MANCHESTER METROPOLITAN UNIVERSITY Data Type: Point Name: Manchester Metropolitan University Easting: 383741 Northing: 396774	Annual Volume (m^3): 615183 Max Daily Volume (m^3): 2760 Original Application No: NPS/WR/037062 Original Start Date: 20/09/2013 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 29/11/2024 Version End Date: -
-	736m W	Status: Historical 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: -
-	750m S	Status: Active Licence No: NW/069/0004/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE AT MANCHESTER METROPOLITAN UNIVERSITY Data Type: Point Name: Manchester Metropolitan University Easting: 383715 Northing: 396746	Annual Volume (m^3): 615183 Max Daily Volume (m^3): 2760 Original Application No: NPS/WR/037062 Original Start Date: 20/09/2013 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 29/11/2024 Version End Date: -

ID	Location	Details	
-	750m S	Status: Historical Licence No: NW/069/0004/003 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT MANCHESTER METROPOLITAN UNIVERSITY Data Type: Point Name: Manchester Metropolitan University Easting: 383715 Northing: 396746	Annual Volume (m^3): 274115 Max Daily Volume (m^3): 751 Original Application No: NPS/WR/008077 Original Start Date: 20/09/2013 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/01/2015 Version End Date: -
-	750m S	Status: Historical Licence No: NW/069/0004/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE AT MANCHESTER METROPOLITAN UNIVERSITY Data Type: Point Name: Manchester Metropolitan University Easting: 383715 Northing: 396746	Annual Volume (m^3): 274115 Max Daily Volume (m^3): 751 Original Application No: NPS/WR/008077 Original Start Date: 20/09/2013 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/01/2015 Version End Date: -
-	819m SE	Status: Historical Licence No: NW/069/0006/003 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	819m SE	Status: Historical Licence No: NW/069/0006/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -

ID	Location	Details	
-	819m SE	Status: Active Licence No: NW/069/0006/003 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 01/04/2010 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	819m SE	Status: Active Licence No: NW/069/0006/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 01/04/2010 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	853m NE	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: -
-	853m NE	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: -

ID	Location	Details	
-	976m E	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: -
-	976m E	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: -
-	1270m N	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: -
-	1270m N	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: -

ID	Location	Details	
-	1270m N	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: -
-	1516m NW	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: 01/04/2024 Version End Date: -
-	1516m NW	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: -
-	1593m S	Status: Active Licence No: 2569007007 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES MOSS SIDE MANCHESTER Data Type: Point Name: Heineken UK Ltd Easting: 383865 Northing: 395909	Annual Volume (m^3): 227000 Max Daily Volume (m^3): 900 Original Application No: NPS/WR/015793 Original Start Date: 15/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 08/05/2014 Version End Date: -

ID	Location	Details	
-	1593m S	Status: Active Licence No: 2569007007 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES MOSS SIDE MANCHESTER Data Type: Point Name: Heineken UK Ltd Easting: 383865 Northing: 395909	Annual Volume (m^3): 227000 Max Daily Volume (m^3): 900 Original Application No: NPS/WR/015793 Original Start Date: 15/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 08/05/2014 Version End Date: -
-	1608m S	Status: Historical Licence No: 2569007009 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, MOSS LANE WEST MANCHESTER" Data Type: Point Name: HYDES BREWERY LTD Easting: 383220 Northing: 395850	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 07/10/2000 Version End Date: -
-	1608m S	Status: Historical Licence No: 2569007009 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, MOSS LANE WEST MANCHESTER" Data Type: Point Name: HYDES BREWERY LTD Easting: 383220 Northing: 395850	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 07/10/2000 Version End Date: -
-	1608m S	Status: Historical Licence No: 2569007009 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, MOSS LANE WEST MANCHESTER Data Type: Point Name: HYDES BREWERY LTD Easting: 383220 Northing: 395850	Annual Volume (m^3): 66826.2 Max Daily Volume (m^3): 372.772 Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 07/10/2000 Version End Date: -

ID	Location	Details	
-	1608m S	Status: Historical Licence No: 2569007009 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, MOSS LANE WEST MANCHESTER Data Type: Point Name: HYDES BREWERY LTD Easting: 383220 Northing: 395850	Annual Volume (m^3): 66826.2 Max Daily Volume (m^3): 372.772 Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 19/07/2018 Version End Date: -
-	1611m S	Status: Historical Licence No: 2569007007 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, MOSS SIDE, MANCHESTER" Data Type: Point Name: SCOTTISH COURAGE BREWING LTD Easting: 383900 Northing: 395900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/08/1995 Version End Date: -
-	1611m S	Status: Historical Licence No: 2569007007 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, MOSS SIDE, MANCHESTER" Data Type: Point Name: SCOTTISH COURAGE BREWING LTD Easting: 383900 Northing: 395900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/08/1995 Version End Date: -
-	1611m S	Status: Historical Licence No: 2569007007 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, MOSS SIDE, MANCHESTER Data Type: Point Name: SCOTTISH COURAGE BREWING LTD Easting: 383900 Northing: 395900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/12/2003 Version End Date: -

ID	Location	Details	
-	1611m S	Status: Historical Licence No: 2569007007 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, MOSS SIDE, MANCHESTER Data Type: Point Name: SCOTTISH COURAGE BREWING LTD Easting: 383900 Northing: 395900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/12/2003 Version End Date: -
-	1611m S	Status: Historical Licence No: 2569007007 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES MOSS SIDE MANCHESTER Data Type: Point Name: Heineken UK Ltd Easting: 383900 Northing: 395900	Annual Volume (m^3): 227000 Max Daily Volume (m^3): 900 Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 23/11/2009 Version End Date: -
-	1611m S	Status: Historical Licence No: 2569007007 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES MOSS SIDE MANCHESTER Data Type: Point Name: Heineken UK Ltd Easting: 383900 Northing: 395900	Annual Volume (m^3): 227000 Max Daily Volume (m^3): 900 Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 23/11/2009 Version End Date: -
-	1774m N	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: -

ID	Location	Details	
-	1774m N	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: -
-	1774m N	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: -
-	1774m N	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: -
-	1774m N	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: -

ID	Location	Details	
-	1774m N	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: -
-	1800m E	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER" Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	1800m E	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m^3): 331858 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	1806m N	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	
-	1806m N	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: -
-	1806m N	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: -
-	1806m N	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: -
-	1806m N	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: -

ID	Location	Details	
-	1806m N	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: -
-	1839m N	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: -
-	1839m N	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: -
-	1839m N	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: -

ID	Location	Details	
-	1839m N	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: -
-	1839m N	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: -
-	1839m N	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: -
-	1973m W	Status: Historical Licence No: 2569007002 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT 371 ORDSALL LANE, MANCHESTER 5" Data Type: Point Name: COLGATE PALMOLIVE LTD Easting: 381600 Northing: 396700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 05/12/1985 Version End Date: -

ID	Location	Details	
-	1973m W	Status: Historical Licence No: 2569007002 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT 371 ORDSALL LANE, MANCHESTER 5 Data Type: Point Name: Cerep III Investment R Sarl Easting: 381600 Northing: 396700	Annual Volume (m^3): 409140 Max Daily Volume (m^3): 1636.56 Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 29/10/2009 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**5**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 81 >**

ID	Location	Details	
-	928m W	Status: Historical Licence No: 2569007053 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "R IRWELL AT IRWELL WORKS, ORDSALL LANE, SALFORD" Data Type: Point Name: CDS COMPUTER DESIGN SYSTEMS LTD Easting: 382500 Northing: 397400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/11/1987 Version End Date: -
-	928m W	Status: Historical Licence No: 2569007053 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: R IRWELL AT IRWELL WORKS, ORDSALL LANE, SALFORD Data Type: Point Name: CDS COMPUTER DESIGN SYSTEMS LTD Easting: 382500 Northing: 397400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/11/1987 Version End Date: -

ID	Location	Details	
-	1973m W	Status: Historical Licence No: 2569007001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "MANCHESTER SHIP CANAL AT PREMISES, ORDSALL LANE, MANCHESTER" Data Type: Point Name: COLGATE PALMOLIVE LTD Easting: 381600 Northing: 396700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/04/1992 Version End Date: -
-	1973m W	Status: Historical Licence No: 2569007001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AT PREMISES, ORDSALL LANE, MANCHESTER Data Type: Point Name: COLGATE PALMOLIVE LTD Easting: 381600 Northing: 396700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/04/1992 Version End Date: -
-	1973m W	Status: Historical Licence No: 2569007001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AT PREMISES ORDSALL LANE MANCHESTER Data Type: Point Name: Cerep III Investment R Sarl Easting: 381600 Northing: 396700	Annual Volume (m^3): 1363800 Max Daily Volume (m^3): 4909.68 Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 29/10/2009 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**9**

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 81 >**

ID	Location	Details	
-	1774m N	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: -
-	1774m N	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: -
-	1774m N	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: -
-	1806m N	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	
-	1806m N	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: -
-	1806m N	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: -
-	1839m N	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: -
-	1839m N	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: -

ID	Location	Details	
-	1839m N	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: -

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

5.9 Source Protection Zones

Records within 500m	**1**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 81 >**

ID	Location	Type	Description
1	302m E	3	Total catchment

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

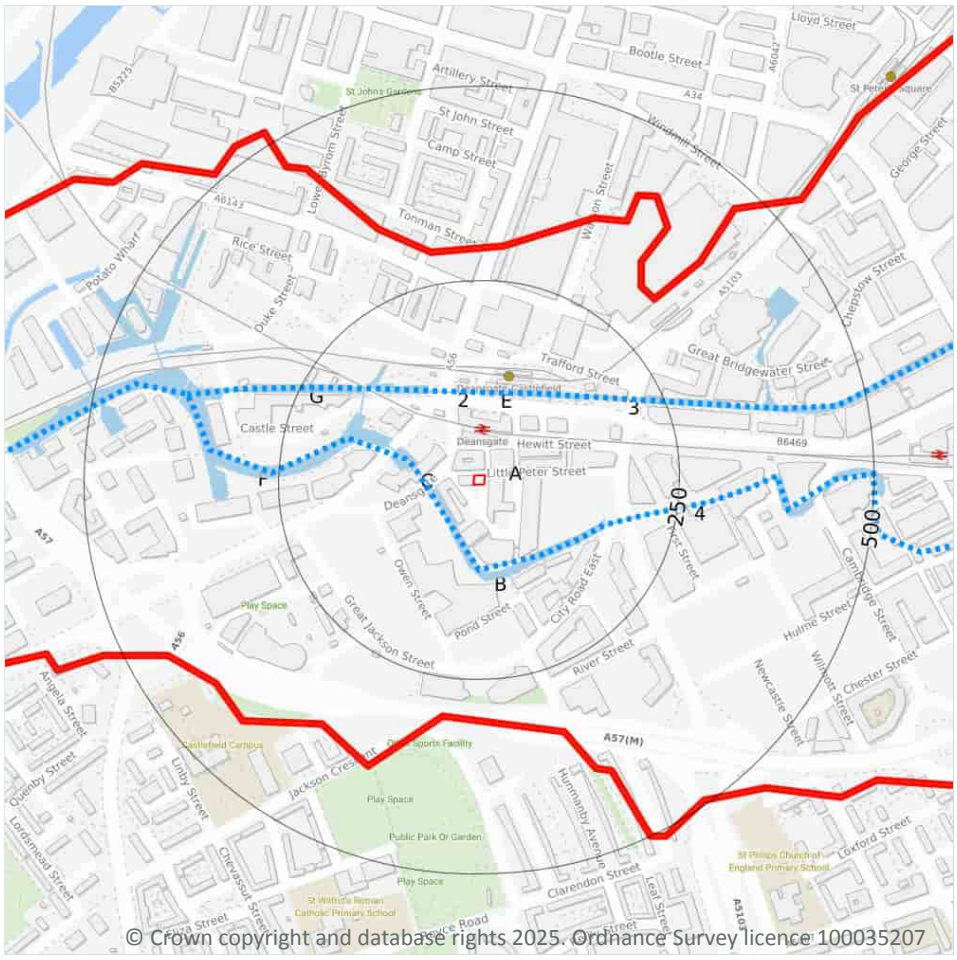
5.10 Source Protection Zones (confined aquifer)

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



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6.1 Water Network (OS MasterMap)

Records within 250m	17

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

Features are displayed on the Hydrology map on **page 104 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	47m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock

ID	Location	Type of water feature	Ground level	Permanence	Name
C	65m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Medlock
C	78m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
C	102m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Medlock
E	105m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rochdale Canal
2	105m N	Canal. A manmade watercourse for inland navigation.	Underground	Watercourse contains water year round (in normal circumstances)	Rochdale Canal
3	113m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rochdale Canal
E	113m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	121m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
C	124m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rochdale Canal
4	163m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
C	163m W	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Bridgewater Canal
F	163m W	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Bridgewater Canal
C	165m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Bridgewater Canal

ID	Location	Type of water feature	Ground level	Permanence	Name
C	174m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	174m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rochdale Canal
G	180m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rochdale Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	7

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.

Features are displayed on the Hydrology map on **page 104 >**

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 104 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Medlock (Lumb Brook to Irwell)**	**GB112069061152**	**Roch Irk Medlock**	**Irwell**

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

6.4 WFD Surface water bodies

Records identified	2

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 104 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	52m SW	River	Medlock (Lumb Brook to Irwell)	GB112069061152 ↗	Moderate	Fail	Moderate	2019
D	106m N	Canal	Rochdale Canal, western section	GB71210517 ↗	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 104 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**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	7

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 108 >**

Distance	Flood risk category
On site	**Medium**
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	**0**

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

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

7.3 Flood Defences

Records within 250m	**0**

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	**0**

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

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

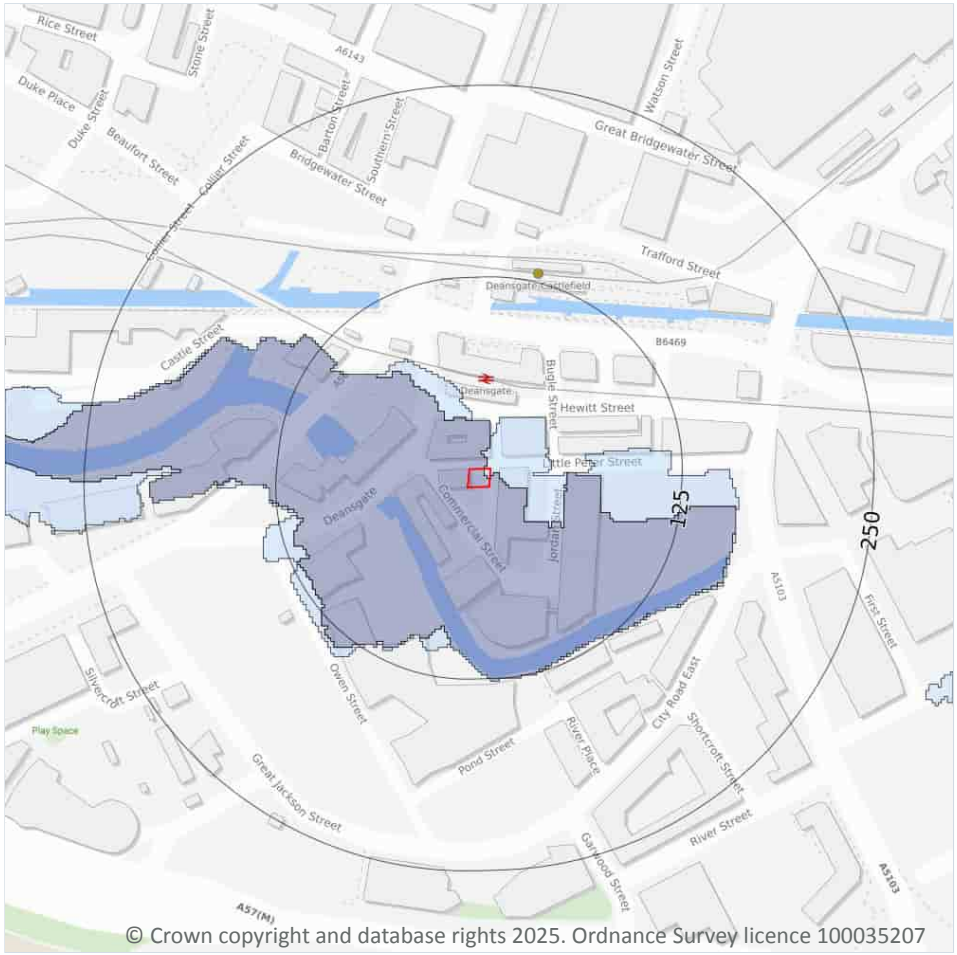
7.5 Flood Storage Areas

Records within 250m	**0**

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

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

River and coastal flooding - Flood Zones



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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 108 >**

Location	Type
On site	**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	1

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.

Features are displayed on the River and coastal flooding map on **page 108 >**

Location	Type
On site	**Zone 3 - (Fluvial /Tidal Models)**

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**

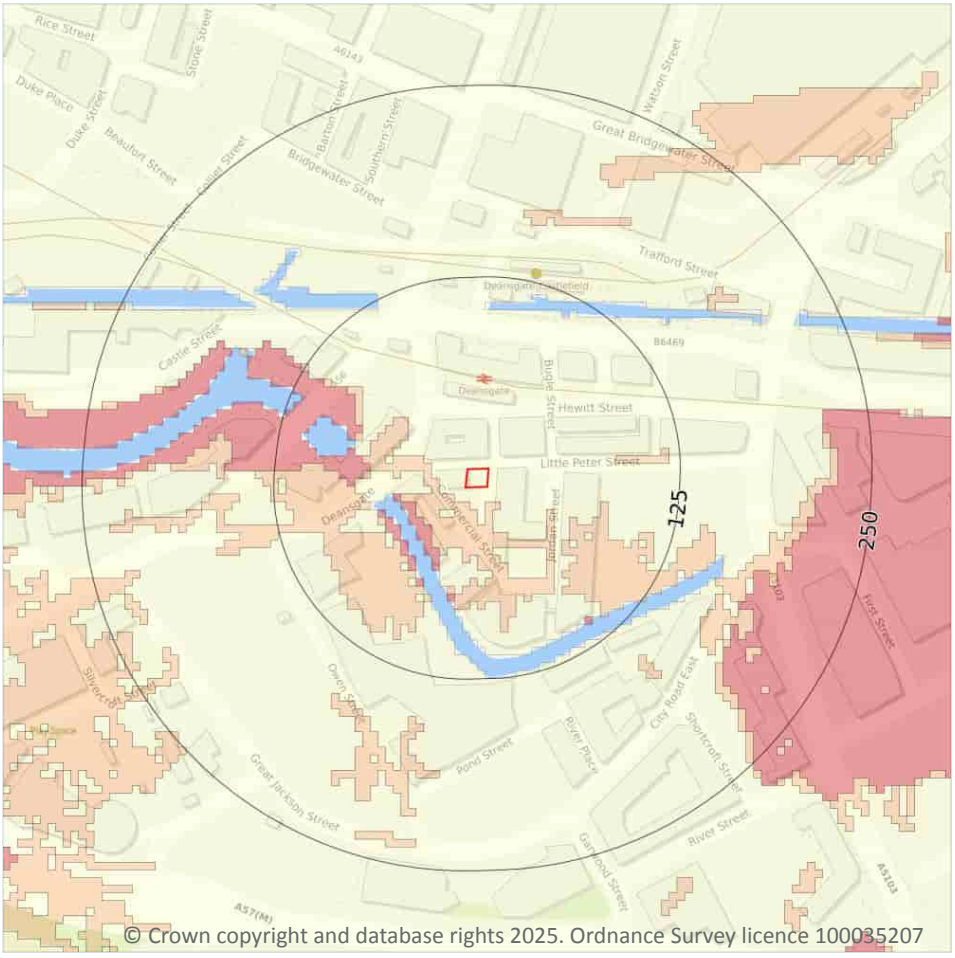
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year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

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 113 >**

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

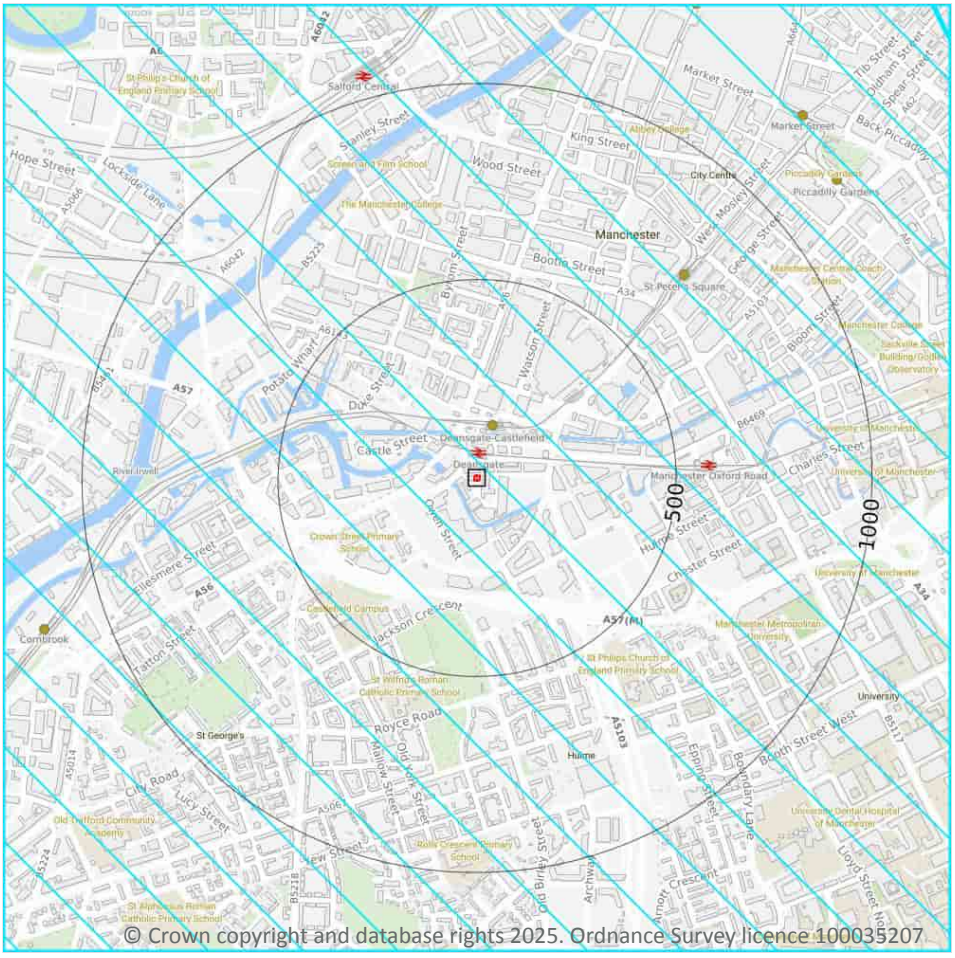
Records within 2000m	3

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
1183m NW	Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ	Surface Water	643	Existing
1275m NE	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing
1295m NE	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 118 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0000000630000&notes=&location=383272,400229%20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

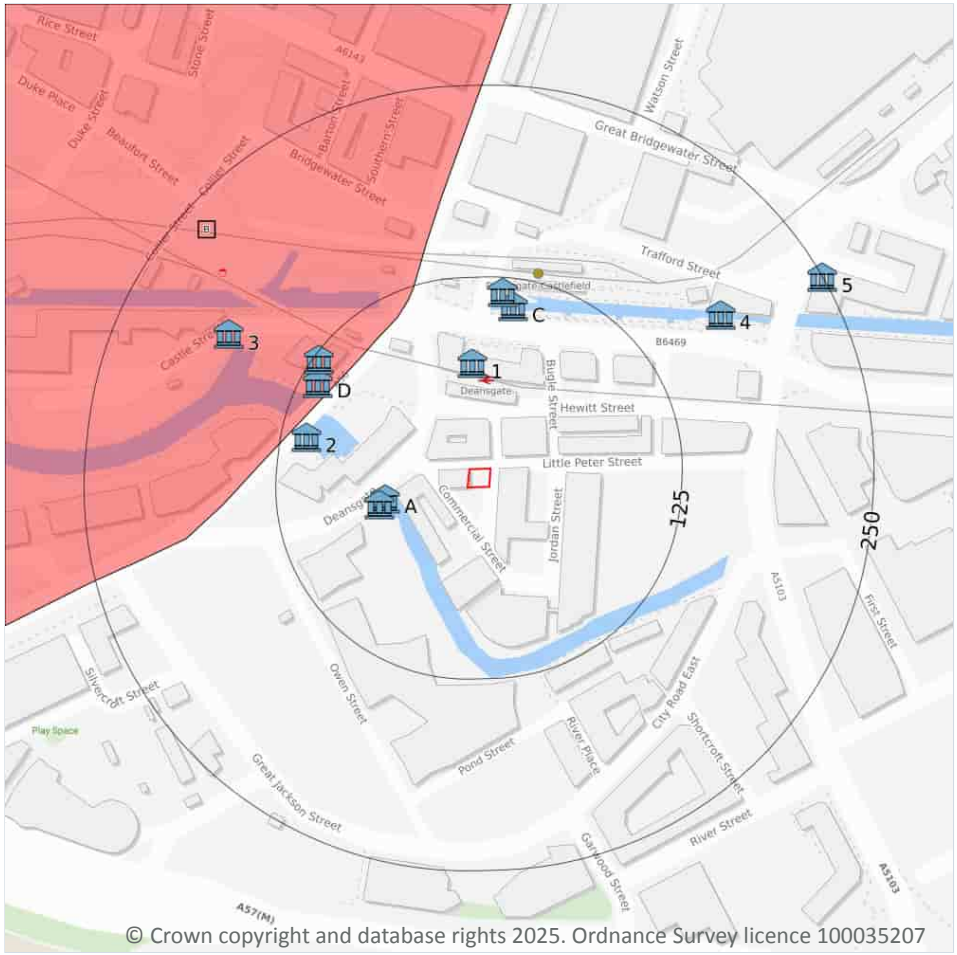
10.18 SSSI Units

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



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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	11

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 120 >**

ID	Location	Name	Grade	Reference Number	Listed date
A	54m W	Boundary Stone On Knott Mill Bridge	II	1282975	06/06/1994
A	58m W	Floodgate On East Side Of Knott Mill Bridge	II	1210156	06/06/1994
1	69m N	Deansgate Station	II	1376146	20/08/1998
C	107m N	Rochdale Canal Lock Number 91 At East End Of Gaythorn Tunnel	II	1247483	29/01/1986
2	109m W	Electricity Junction Box In Castlefield Canal Basin, Manchester	II	1475459	29/09/2021

ID	Location	Name	Grade	Reference Number	Listed date
D	114m NW	Electricity Junction Box In Castlefield Canal Basin, Manchester	II	1475255	29/09/2021
C	115m N	Rochdale Canal Lock Keepers Cottage At Lock Number 91, Next To Gaythorn Tunnel	II	1247597	29/01/1986
D	122m NW	Former Congregational Chapel	II	1292311	20/06/1988
3	180m NW	Electricity Junction Box On Castle Street, Manchester	II	1475254	29/09/2021
4	180m NE	Rochdale Canal Lock Number 90, Approximately 30 Metres West Of Albion Bridge	II	1247482	06/06/1994
5	250m NE	13-17, Albion Street	II	1279694	03/10/1974

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

11.5 Conservation Areas

Records within 250m	**1**

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.

Features are displayed on the Visual and cultural designations map on **page 120 >**

ID	Location	Name	District	Date of designation
B	102m NW	Castlefield	Manchester	13/10/1979

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

11.6 Scheduled Ancient Monuments

Records within 250m	**1**

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.

Features are displayed on the Visual and cultural designations map on **page 120 >**

ID	Location	Ancient monument name	Reference number
B	203m NW	Remains of eastern wall of the Roman fort	1001953

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 124 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	**Non-agricultural/no quality assigned**

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.

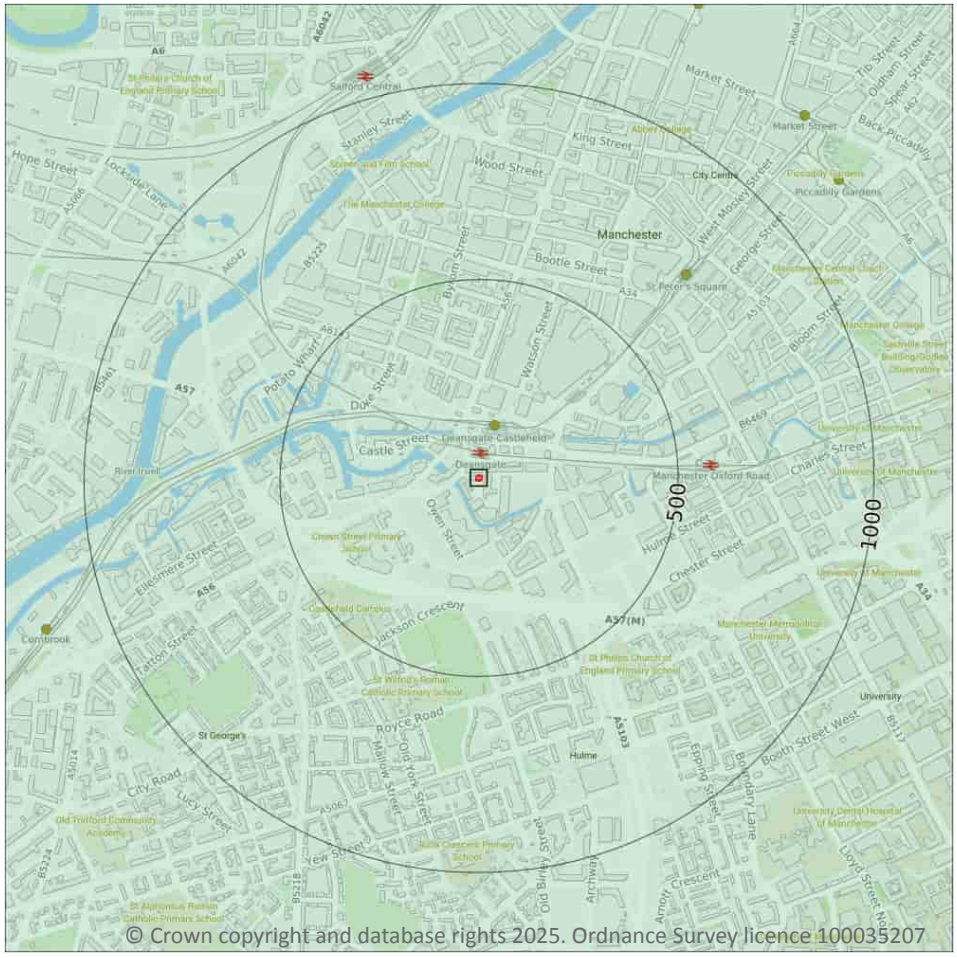
13.4 Limestone Pavement Orders

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

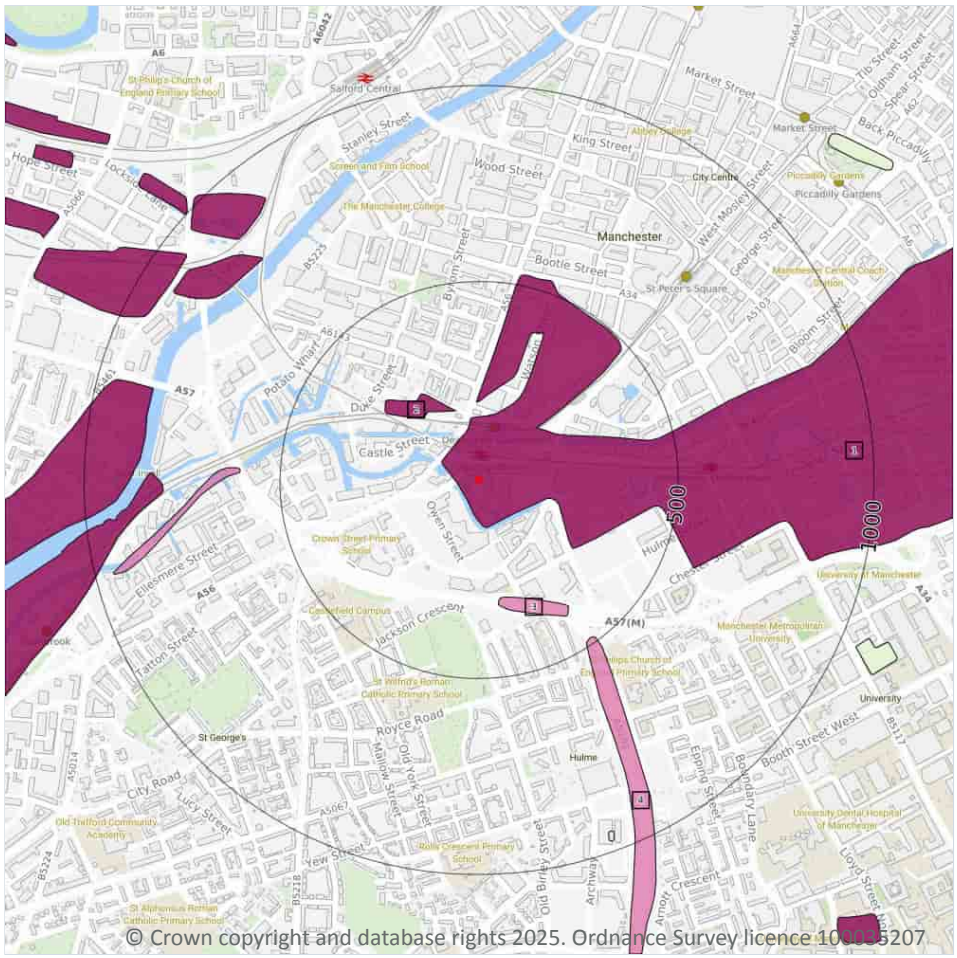
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 127 >**

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



14.2 Artificial and made ground (10k)

Records within 500m	4

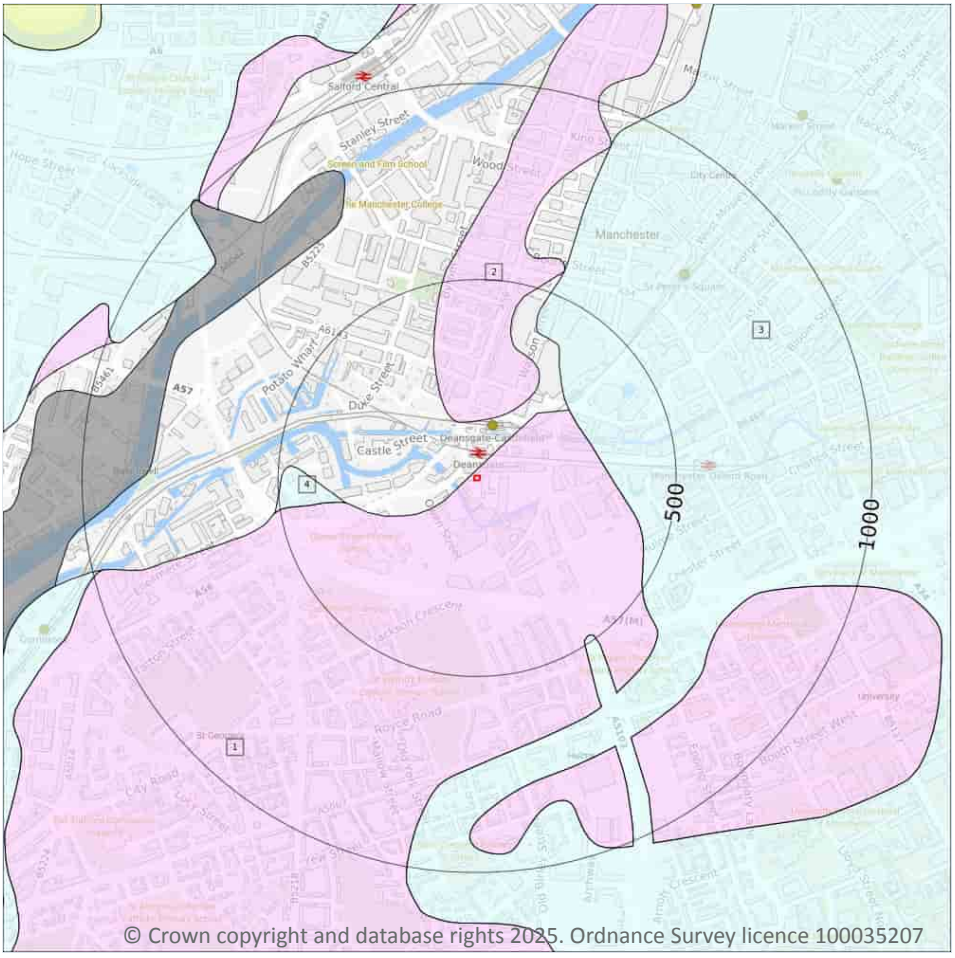
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 128 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
2	179m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	299m S	WGR-VOID	Worked Ground (Undivided)	Void
4	484m SE	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 130 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**GFSDD-XSV**	**Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel**	**Sand And Gravel**
2	138m N	GFSDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
3	280m NE	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
4	332m W	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

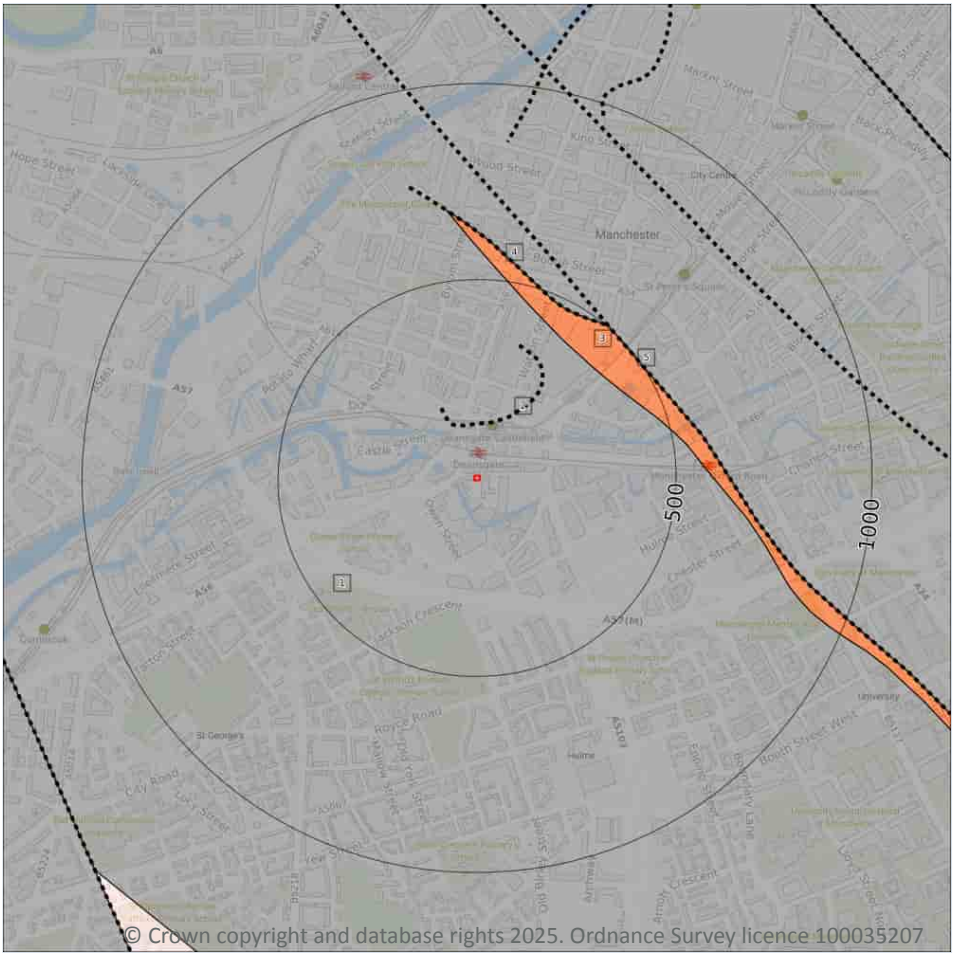
14.4 Landslip (10k)

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 132 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**CPB-SDST**	**Chester Pebble Beds Formation - Sandstone**	**Early Triassic Epoch**
3	398m NE	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	3

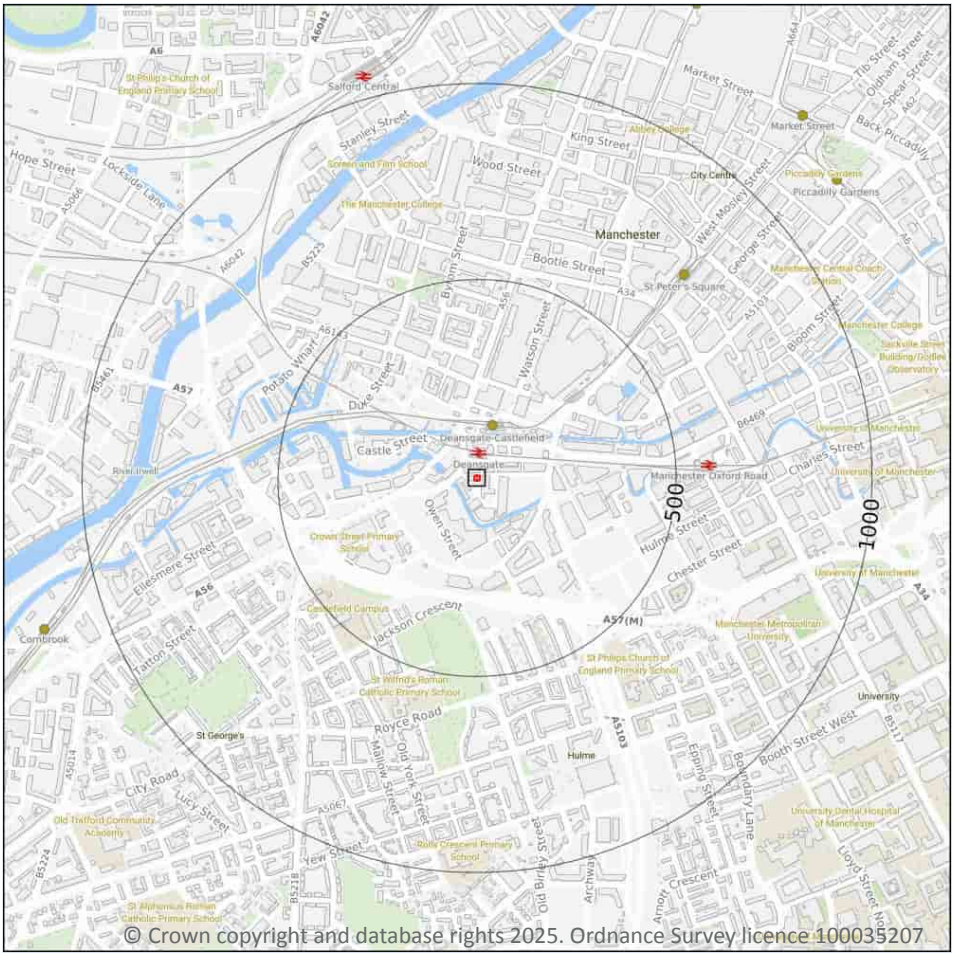
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 132 >**

ID	Location	Category	Description
2	131m N	LANDFORM	Buried channel or valley margin
4	478m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
5	497m 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



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

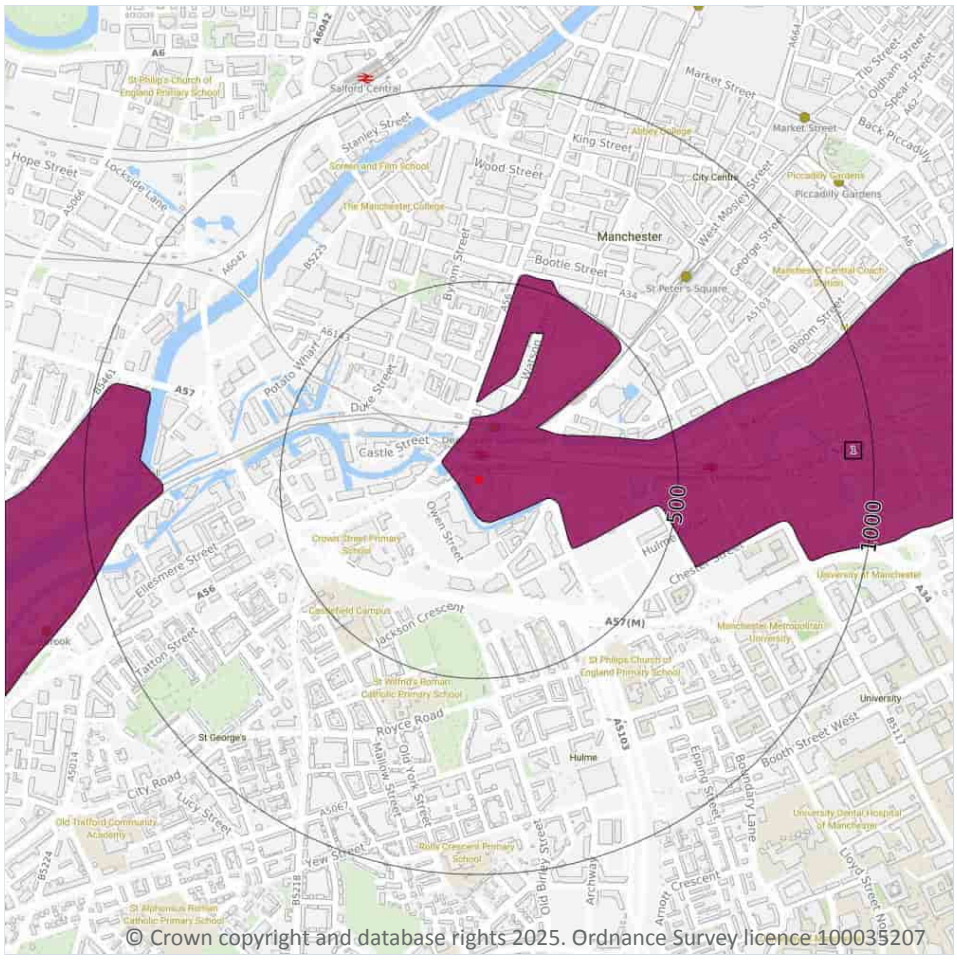
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 134 >**

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



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m	1

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 135 >**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

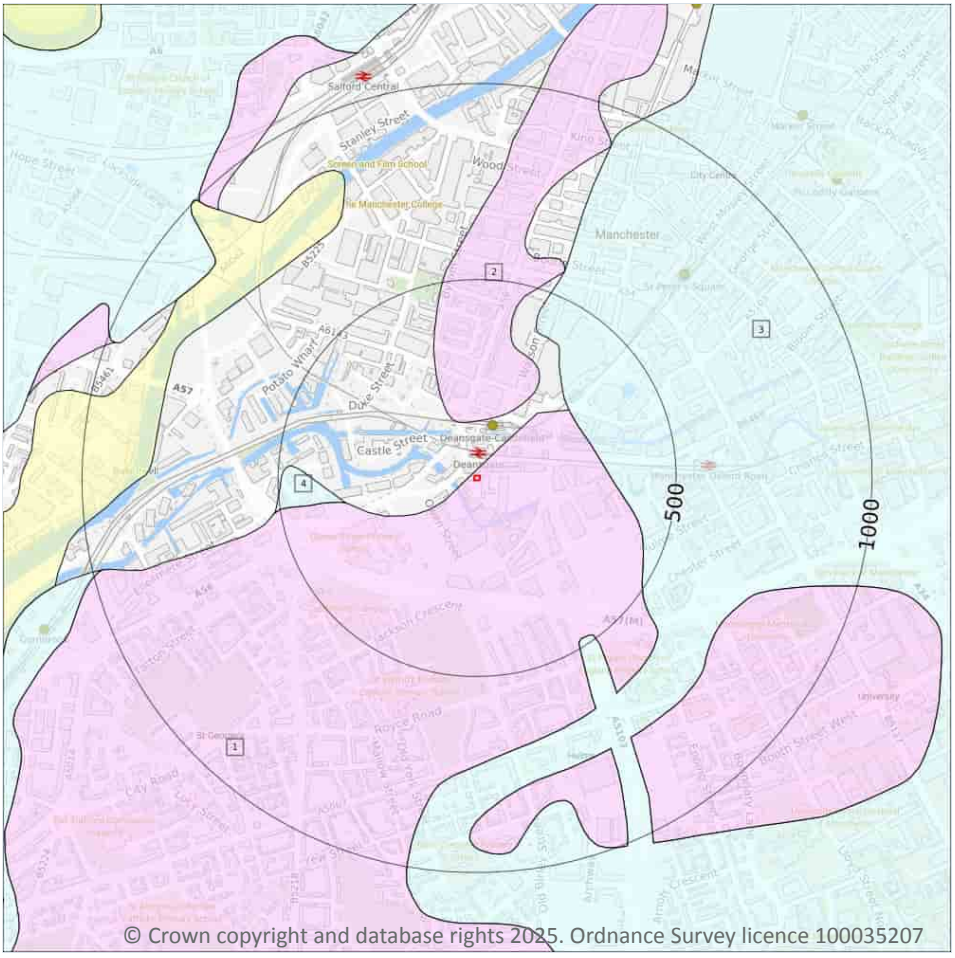
Records within 50m	1

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 137 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**GFSDD-XSV**	**GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN**	**SAND AND GRAVEL**
2	137m N	GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	280m NE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
4	332m W	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

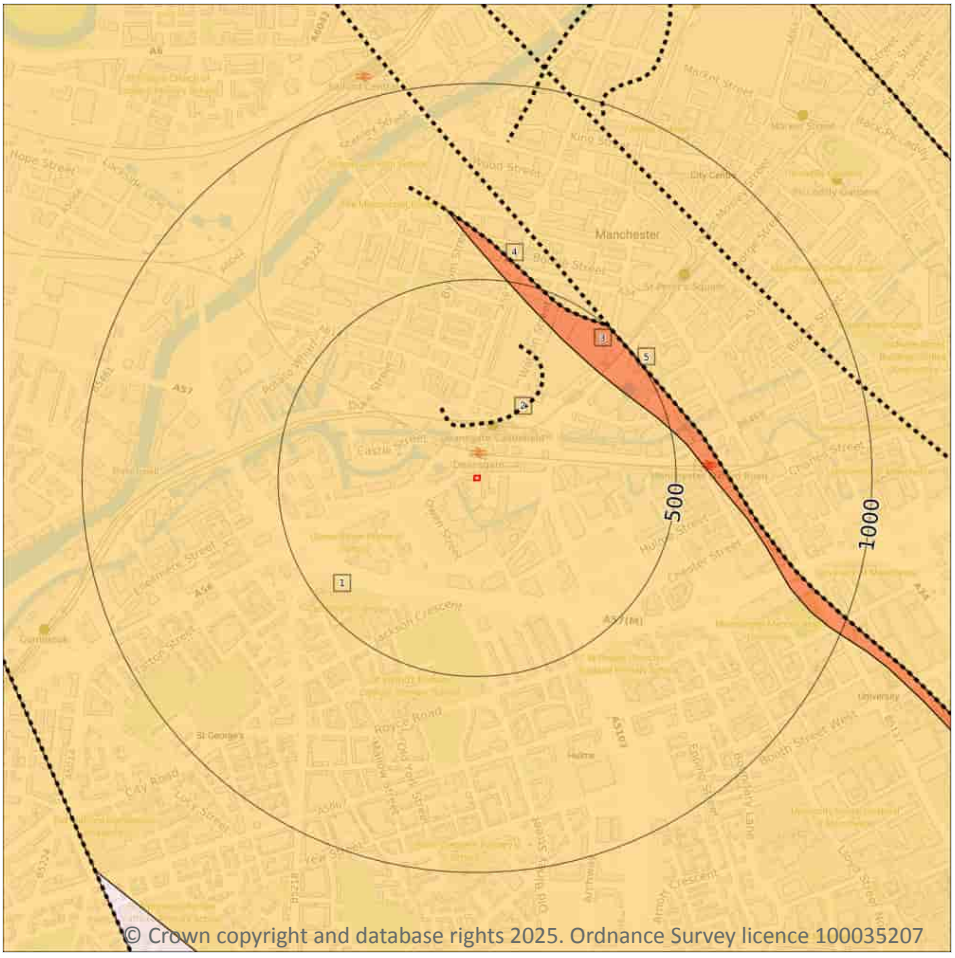
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m **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 139 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**CHES-SDST**	**CHESTER FORMATION - SANDSTONE**	**OLENEKIAN**
3	398m NE	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-

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	3

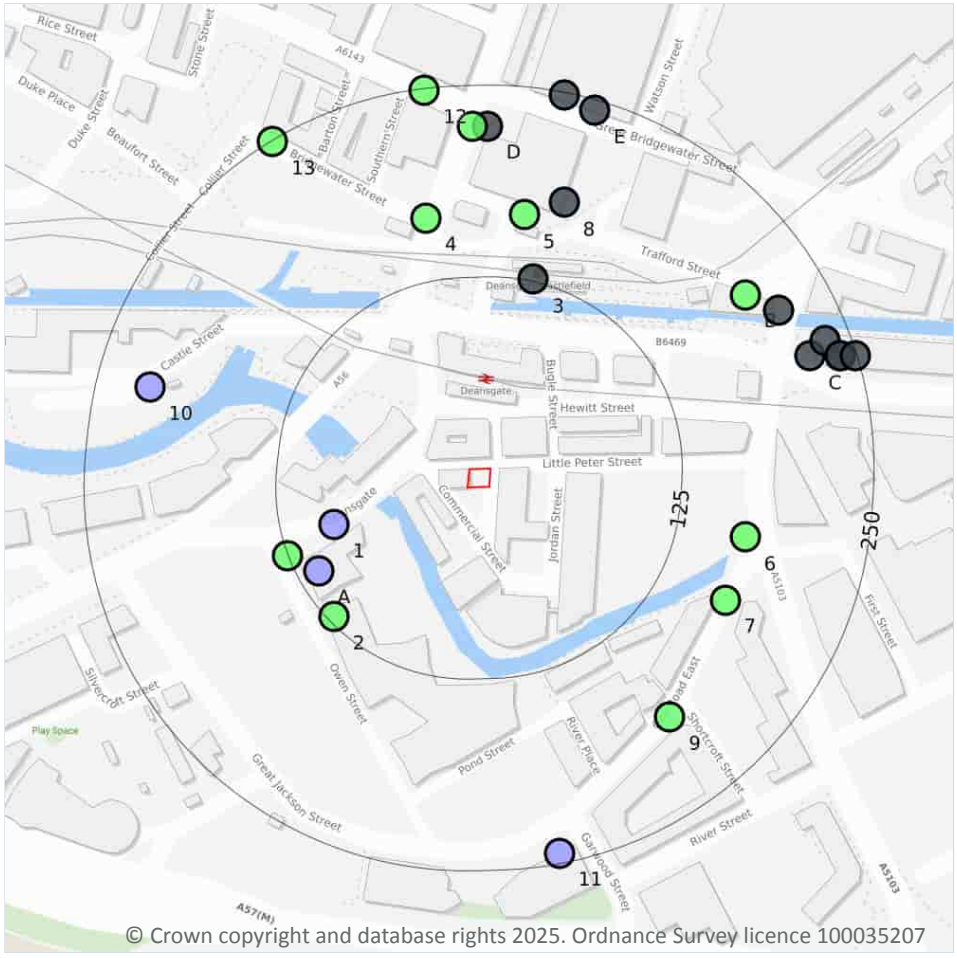
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 139 >**

ID	Location	Category	Description
2	130m N	LANDFORM	Approximate margin of buried (superficial deposit-filled) channel or valley
4	478m NE	FAULT	Fault, inferred
5	497m NE	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



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Site Outline

Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m	26

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 141 >**

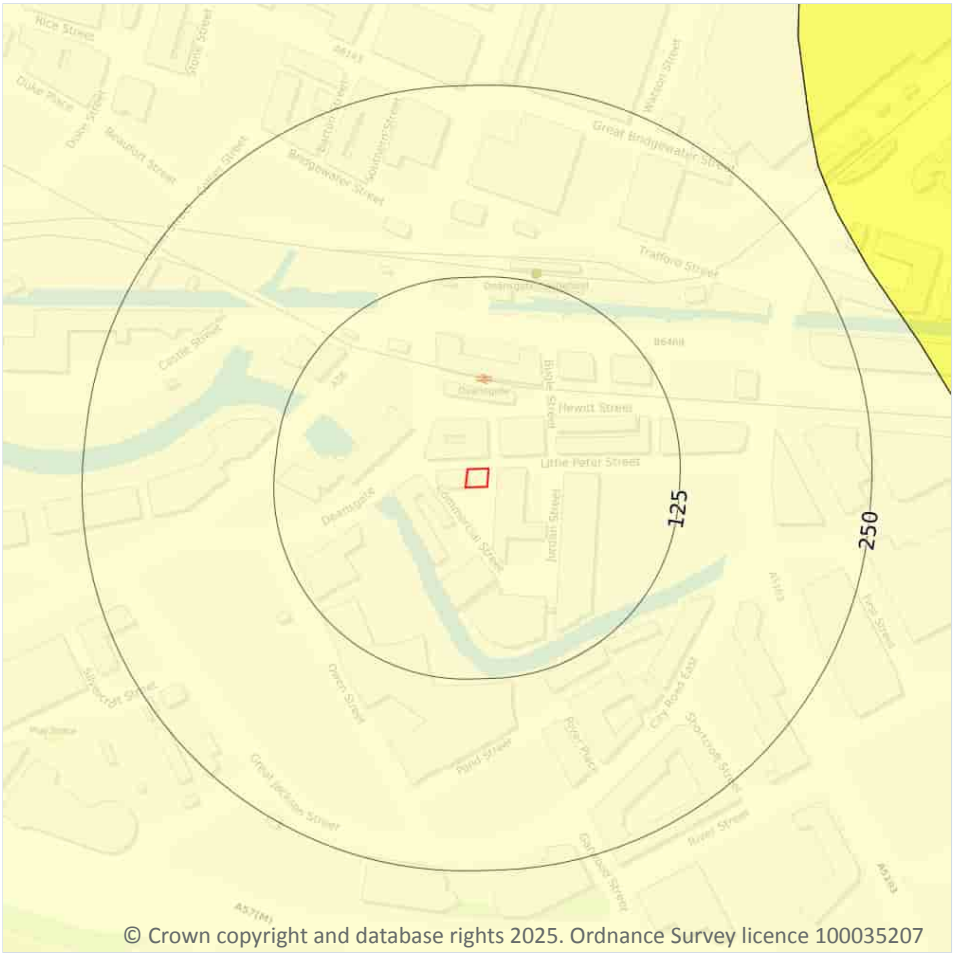
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	91m W	383340 397420	LOWER MEDLOCK UCSO'S CONTRACT 1 MAN 0276 304	9.1	N	1043415 ↗
A	111m SW	383330 397390	LOWER MEDLOCK UCSO'S CONTRACT 1 MAN 0276 305	9.3	N	1043416 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
2	121m SW	383340 397360	LOWER MEDLOCK UCSO'S CONTRACT 1 MAN 0276 302	12.11	N	1043413 ↗
A	125m W	383310 397400	LOWER MEDLOCK UCSO'S CONTRACT 1 MAN 0276 303	10.59	N	1043414 ↗
3	127m N	383470 397580	FESTIVAL MARKETPLACE 3/1	-	Y	N/A
4	166m N	383400 397620	BRIDGEWATER STREET / RICE STREET MAIN DRAINAGE 1	12.0	N	1045617 ↗
5	167m N	383464 397622	MANCHESTER CORP. B.SEWER	12.5	N	1042262 ↗
6	170m E	383608 397412	MANCHESTER CORP. B.SEWER	11.28	N	1042260 ↗
7	171m SE	383595 397371	MANCHESTER CORP. B.SEWER	11.28	N	1042259 ↗
8	180m N	383490 397630	FESTIVAL MARKETPLACE 3/2	-	Y	N/A
9	191m SE	383559 397295	MANCHESTER CORP. B.SEWER	11.28	N	1042258 ↗
B	201m NE	383608 397570	MANCHESTER CORP. B.SEWER	14.02	N	1042261 ↗
B	214m NE	383630 397560	GREAT BRIDGEWATER STREET 1	-	Y	N/A
10	215m W	383220 397510	CASTLEFIELD ROAD AND SEWERS A	5.5	N	1045607 ↗
C	220m E	383650 397530	HACIENDA SITE WHITWORTH STREET MANCHESTER WS01	-	Y	N/A
D	223m N	383440 397680	FESTIVAL MARKETPLACE TP 3/1	-	Y	N/A
D	224m N	383430 397680	CITY CENTRE - PHASE 2 29	12.5	N	1043527 ↗
C	233m E	383660 397540	HACIENDA SITE WHITWORTH STREET MANCHESTER WS02	-	Y	N/A
C	239m E	383670 397530	HACIENDA SITE WHITWORTH STREET MANCHESTER WS03	-	Y	N/A
C	239m E	383670 397530	HACIENDA SITE WHITWORTH STREET MANCHESTER WS04	-	Y	N/A
11	243m S	383487 397206	MANCUNIAN WAY 3	7.92	N	15635228 ↗
E	243m N	383510 397690	FESTIVAL MARKETPLACE 1/8	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
E	248m N	383490 397700	FESTIVAL MARKETPLACE TP 1/8	-	Y	N/A
12	249m N	383399 397703	MANCHESTER CORP. E.SEWER	12.5	N	1042233 ↗
C	249m E	383680 397530	HACIENDA SITE WHITWORTH STREET MANCHESTER WS05	-	Y	N/A
13	250m NW	383300 397670	BRIDGEWATER STREET / RICE STREET MAIN DRAINAGE 2	12.0	N	1045618 ↗

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

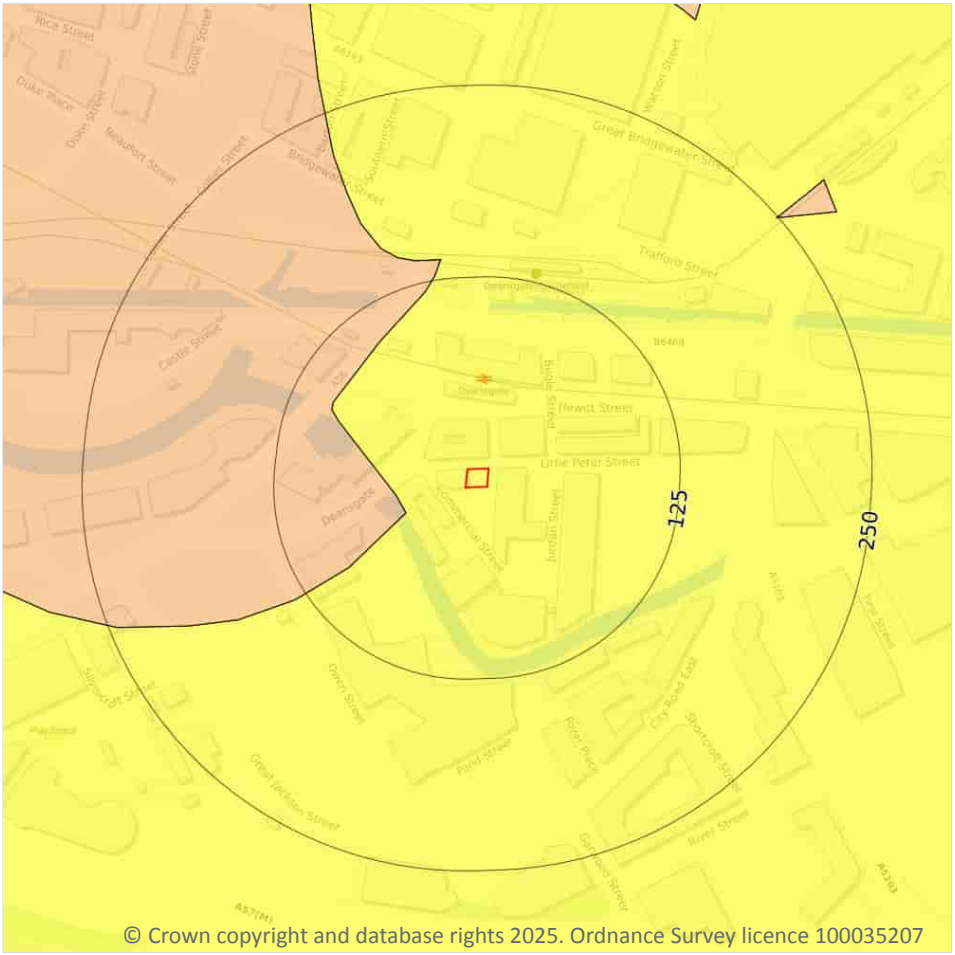
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 144 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	2

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.

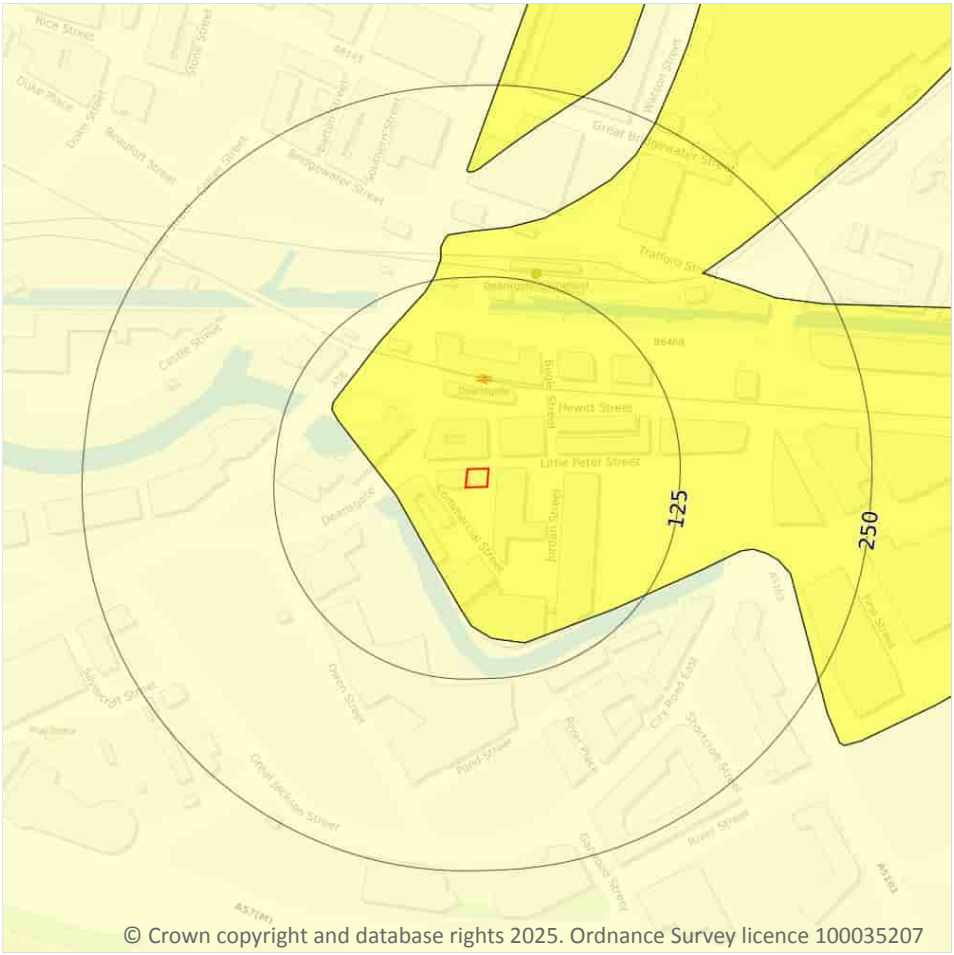
Features are displayed on the Natural ground subsidence - Running sands map on **page 145 >**

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.**

Location	Hazard rating	Details
42m SW	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



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Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

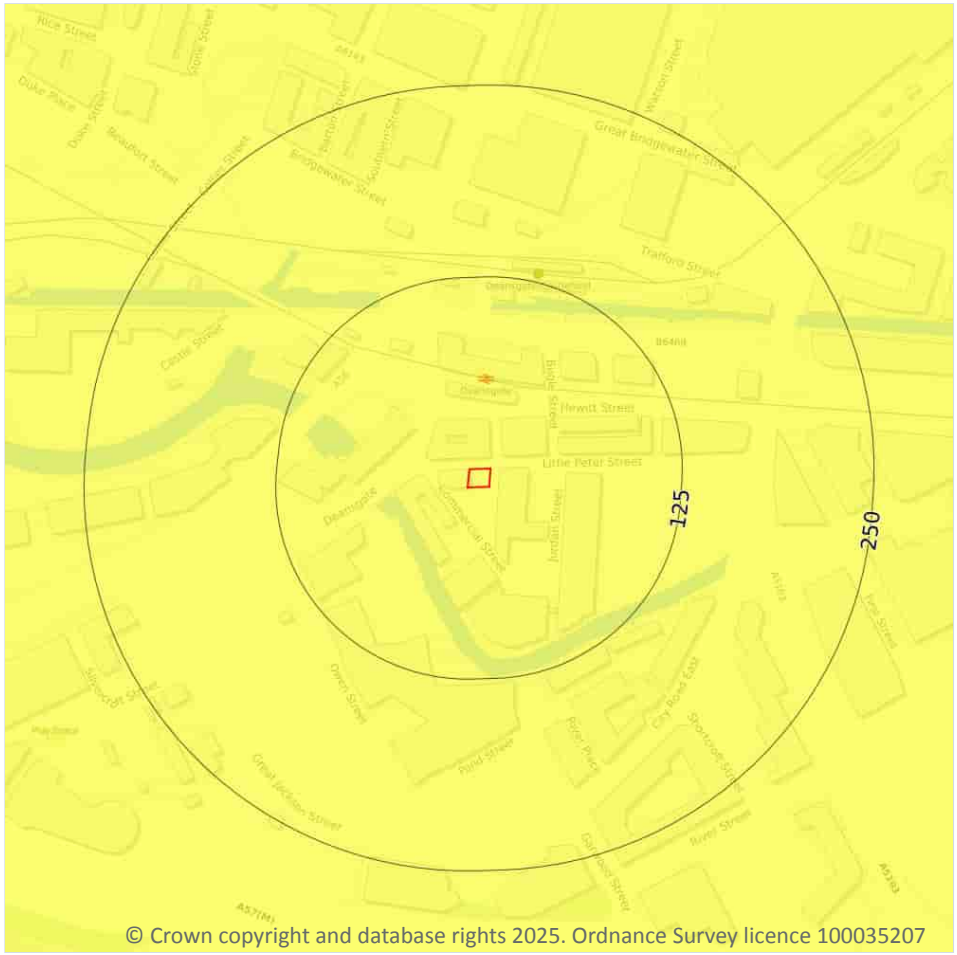
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 147 >**

Location	Hazard rating	Details
On site	**Very low**	**Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.**
42m SW	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



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17.4 Collapsible deposits

Records within 50m	1

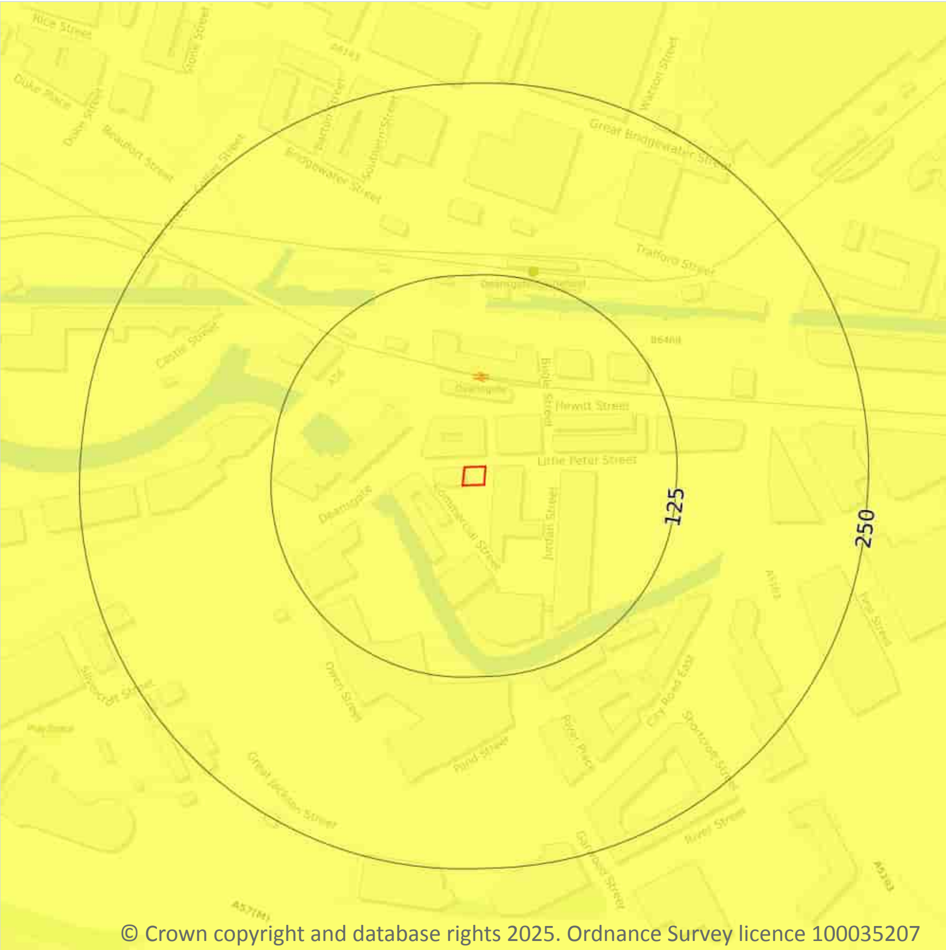
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 149 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

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

Features are displayed on the Natural ground subsidence - Landslides map on page 150 >

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



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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

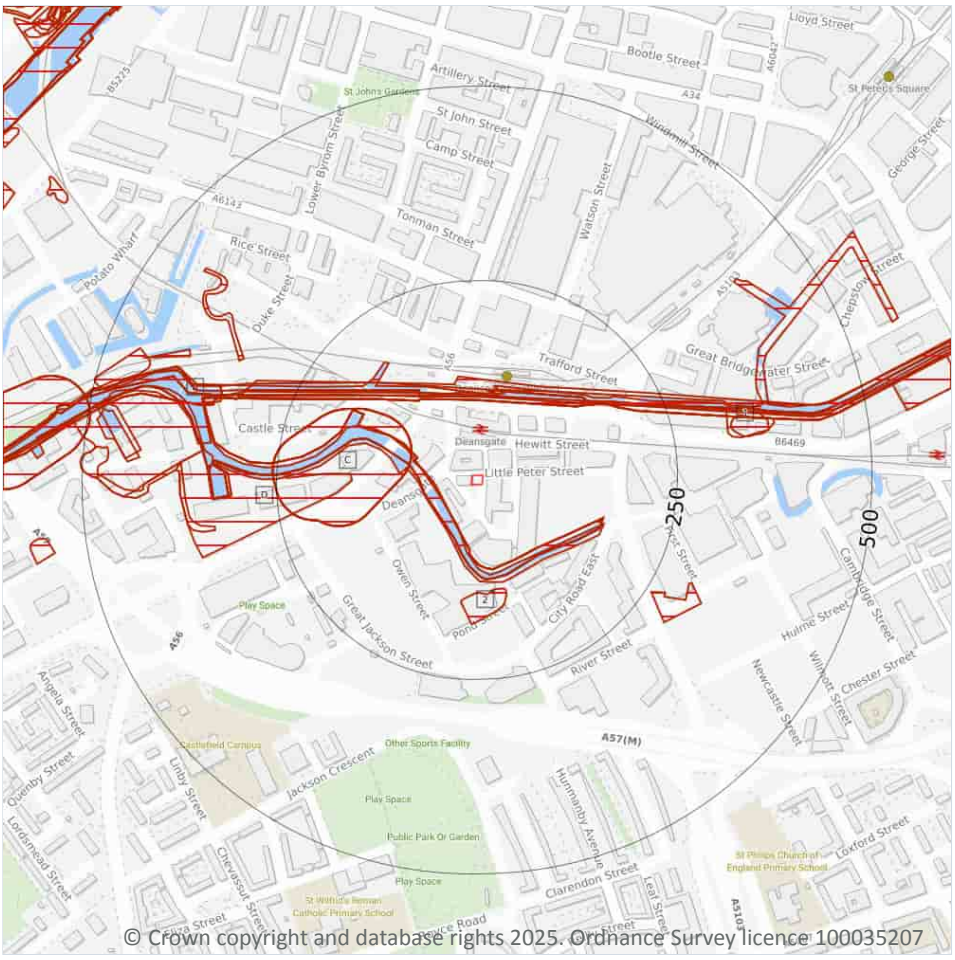
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 151 >**

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



18.1 BritPits

Records within 500m	0

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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	19

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 153 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	41m SW	Canal	1972	1:10000
A	41m SW	Canal	1980	1:10000
A	41m SW	Canal	1985	1:10000
A	41m SW	Canal	1994	1:10000
B	41m SW	Canal	1956	1:10560
B	42m SW	Canal	1988	1:10000
C	82m W	Quay	1938	1:10560
C	82m W	Quay	1932	1:10560
C	82m W	Quay	1916	1:10560
C	82m W	Quay	1905	1:10560
C	82m W	Quay	1923	1:10560
B	96m N	Canal	1938	1:10560
B	96m N	Canal	1932	1:10560
B	96m N	Canal	1916	1:10560
B	96m N	Canal	1905	1:10560
B	96m N	Canal	1923	1:10560
1	100m N	Canal	1896	1:10560
2	136m S	Pond	1848	1:10560
D	153m W	Quay	1848	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	**0**

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

20 Radon



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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 161 >**

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	2

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**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
43m N	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 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	4

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	**17**	**3**	**147**	**101**	**0.4**	**64**	**34**	**24**	**10**
27m W	17	3	52	36	0.3	60	33	23	6
43m N	17	3	270	185	0.3	58	35	22	11
44m S	20	3.5	93	64	0.5	72	31	26	8

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



Site Outline

Search buffers in metres (m)

- 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	66

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 165 >**

Location	Land Use	Year of mapping	Mapping scale
40m N	Railway	1922	-
44m N	Railway	1932	-
47m N	Railway Sidings	1893	2500
47m N	Railway Sidings	1908	2500
47m N	Railway Sidings	1922	2500
47m N	Railway Sidings	1932	2500
61m E	Railway Sidings	1980	1250
61m E	Railway Sidings	1985	1250
61m E	Railway Sidings	1987	1250
61m E	Railway Sidings	1990	1250
67m N	Railways	1893	-
95m N	Tunnel	1932	2500
101m N	Tunnel	1986	1250
101m N	Tunnel	1990	1250
101m N	Tunnel	1949	2500
101m N	Tunnel	1957	2500
101m N	Tunnel	1965	2500

Location	Land Use	Year of mapping	Mapping scale
101m N	Tunnel	1995	1250
101m N	Tunnel	1994	1250
101m N	Tunnel	1955	-
101m N	Tunnel	1948	1250
101m N	Tunnel	1963	1250
101m N	Tunnel	1955	1250
101m N	Tunnel	1981	1250
104m N	Tunnel	1932	-
107m N	Railway Sidings	1923	10560
113m N	Railway Sidings	1938	10560
113m N	Railway Sidings	1932	10560
113m N	Railway Sidings	1916	10560
113m N	Railway Sidings	1905	10560
115m N	Railway Sidings	1891	500
117m N	Railway Sidings	1896	10560
117m N	Railway Sidings	1956	10560
119m N	Railway Sidings	1949	2500
119m N	Railway Sidings	1957	2500
120m N	Railway Sidings	1965	2500
120m N	Railway Sidings	1955	-
126m NE	Railway Sidings	1951	1250
126m NE	Railway Sidings	1948	1250
134m NE	Railway Sidings	1891	500
149m N	Railway Sidings	1948	1250
149m N	Railway Sidings	1955	-
150m N	Railway Sidings	1955	1250
175m N	Railway Sidings	1948	1250
175m N	Railway Sidings	1965	2500

Location	Land Use	Year of mapping	Mapping scale
176m NE	Railway Sidings	1891	500
178m N	Railway Sidings	1963	1250
185m NE	Railway Sidings	1891	500
187m N	Railway Sidings	1972	10000
187m N	Railway Sidings	1980	10000
187m N	Railway Sidings	1985	10000
188m NW	Railway Sidings	1955	-
195m E	Railway Sidings	1893	2500
196m E	Railway Sidings	1896	10560
197m E	Railway Sidings	1891	500
197m NW	Railway Sidings	1955	1250
219m E	Railways	1893	-
225m NE	Railway Sidings	1891	500
229m NE	Railway Sidings	1891	500
233m N	Railway Sidings	1955	1250
233m N	Railway Sidings	1955	-
240m E	Railway Sidings	1893	2500
241m N	Railway Sidings	1951	1250
241m N	Railway Sidings	1948	1250
242m E	Railway Sidings	1891	500
244m NE	Railway Sidings	1891	500

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	5

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 165 >**

Location	Description
179m N	Razed
179m N	Abandoned
179m N	Historical OSM
215m N	Razed
215m N	Razed

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	30

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

Features are displayed on the Railway infrastructure and projects map on **page 165 >**

Location	Name	Type
53m N	Manchester and Ordsall Lane Junction Branch	rail
56m N	Not given	Multi Track
56m N	Manchester and Ordsall Lane Junction Branch	rail
57m N	Not given	Multi Track
126m N		light_rail
130m N		light_rail
130m N	Not given	Multi Track
134m N		light_rail
134m N	Not given	Multi Track
136m N		light_rail
138m N	Not given	Single Track

Location	Name	Type
144m N	Not given	Single Track
147m NE		light_rail
147m NE		light_rail
155m NW	Metrolink	light_rail
155m NW	Metrolink	light_rail
157m E		rail
163m NE	Not given	Multi Track
166m NE		light_rail
168m NW	Not given	Multi Track
174m NW		light_rail
177m NW		light_rail
209m NW	Manchester and Allerton Junction Line	rail
209m NW	Manchester and Ordsall Lane Junction Branch	rail
210m NW	Manchester and Allerton Junction Line	rail
210m NW	Manchester and Ordsall Lane Junction Branch	rail
215m NW	Not given	Multi Track
215m NW	Not given	Multi Track
240m NW	Manchester and Ordsall Lane Junction Branch	rail
240m NW	Manchester and Allerton Junction Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 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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