

LAND CONTAMINATION PHASE 1 DESK STUDY

14A BARRACK STREET

**HULME
M15 4ER**

On behalf of:

Chris Bryne

Report No.: A230503-R01

Date: May 2023

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Client: Chris Bryne

Client Rep.: S. Casey

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1.0 INTRODUCTION

1.1 Background & Objectives

Adeptus was appointed to undertake a Land Contamination Phase 1 Desk Study on behalf of Chris Byrne, in support of a planning application for development at the site known as 14a Barrack Street (the study site). The report is required to assess the potential for significant contamination affecting the site and ensure suitability for the proposed use.

The objectives of the desk study are to:

- Review past land use on and in proximity to the study site
- Assess the likelihood of contamination, as well as its potential nature and extent
- Evaluate the site geological, environmental and land use setting
- Develop an initial conceptual site model
- Undertake a preliminary risk assessment in line with LCRM guidance
- Determine whether further investigation is required

1.2 Regulatory Framework

Land contamination is a material consideration under the National Planning Policy Framework (2012). This means that local authorities must take the potential or actual presence of contamination into account when considering planning applications.

“Contamination” is defined in BS 10175:2011 as:

presence of a substance or agent, as a result of human activity, in, on or under land, which has the potential to cause harm or to cause pollution.

1.3 Supporting Information

At the time of writing, no third-party reports have been made available to Adeptus.

A site plan is included as Appendix A.

Other sources of information utilised in producing this report are listed as Appendix B.

2.0 SITE CONTEXT

This section provides a review of the land use on and in the vicinity of the Site, with the purpose of identifying potentially significant current features and environmental constraints.

2.1 Location and Proposals

Table 2-1: Site Particulars

Location	The site is situated west of Barrack St. in a predominantly residential area 0.8km southwest of Deansgate Station.
Area & Coordinates	0.02ha. 382709 397078 (centred on, approx.)
Development Proposals	New build end-terrace house. The architect has confirmed that given the limited space on-site, external areas will be laid to permanent hardstanding with concrete paving block or flags.



Figure 2-1: Site Location

2.2 Site Reconnaissance

A site walkover was not commissioned by the client. Limited reconnaissance of the site was therefore undertaken via satellite imagery, and the findings are summarised in table below.

Table 2-2: Site Reconnaissance Notes

	Notes
Current/Recent Land Use	On-site: Existing dwelling and side garden.
	North: Dwellings with gardens.
	East: Office building with large carpark to its rear.
	South: Dwellings with gardens.
	West: Dwellings with gardens.
Topography	Appears to be flat and level.
Ground Cover Proportions On-site	Buildings: 20%
	Hardstanding: 80%
	Soft Landscaping: -
Fuel and/or Chemical Storage	None apparent from satellite imagery.
Off Site Potential Contaminant Sources	None apparent from satellite imagery

2 PAST LAND USE

2.1 Historical Development

Historical Ordnance (OS) Survey map extracts have been examined to provide a summary of significant land use on and in proximity to the site, including industrial features within 100m and potential landfills within 250m.

Where available, more recent aerial photographs have also been reviewed for evidence of relevant land use.

Potentially significant features are noted in the table below. Where more than one instance of the same use occurs in the same direction, only the closest has been described.

Table 3-1: Historical Development Summary

On-site Source or Feature	Map Years Noted		Description
	First	Last	
Undeveloped land	1851	1851	The earliest OS map shows the study site falling with undeveloped land that extends north to Chester Rd.
Unspecified building	1891	1932	By 1891 several terraces of small dwellings occupy the above area. An end of terrace building occupying the study site appears larger than the adjacent dwellings, is of an irregular shape due to the angle of Tatton St. and considered likely to be commercial in nature. This building and the one immediately north appear to have been demolished by the 1932 OS map. The site then remains vacant up to the 1955 OS map.
No.14a Barrack St	1964	Today	The current dwellings along Barrack St and those to the west appear at some time between 1955 and 1964, along with the church.

Notes: 1 = earliest reviewed OS map | 2 = most recent reviewed OS map | 3 = aerial photograph

Off-site Source – Distance & Direction	Map Years Noted		Description
	First	Last	
Cotton Mill – 40m S	1851	1891	The mill's reservoir is closest to the study site, with the buildings being circa 60m or further S. Buildings aside from the main mill include boilerhouses, an engine house and smithy. By 1893 the mill appears to have been demolished.
Textile Mill – 60m S	1893	1965	Clarence Mill is situated where the cotton mill reservoir previously sat and extends further south. Between 1964 and 1965 the mill building is labelled factory, before apparently being demolished some time before 1971.
Cast Metal Works - 90m E	1932	1981	The works replaces an earlier timber yard and consists of a large building along Lower Moss Rd. From 1964 the site is labelled only Works, and after 1981 appears to have been demolished to ground level.

Webbing Mill – 105m N	1932	1965	The mill is a large building west of Lower Moss Ln, which appears to have been demolished some time between 1965 and 1981.
Oil Works – 120m N	1932	1955	The oil works is relatively small, sitting south of the Webbing Mill, and is not labelled after 1955.
Steel Works – 170m S	1949	1964	The works is a small building, which is in turn labelled Works from 1964 and demolished some time between 1965 and 1971.
Industrial land use – 160m N	1893	Today	An extensive area north of Chester Rd. is occupied by a range of industrial mills, works, tanks and warehouses. Some of these remain today, although the area has been undergoing redevelopment.

Notes: 1 = earliest reviewed OS map | 2 = most recent reviewed OS map | 3 = aerial photograph

2.2 Landfill & Waste Sites

Landfills and other potentially significant waste sites identified within 250m of the site are reviewed in table below.

Table 3-2: Data on Landfill & Waste Sites

Records	Details & Significance
<ul style="list-style-type: none"> Active or recently closed landfills: 0 BGS/DOE historical landfills: 0 Local Authority(OS) historical landfill: 0 EA/NRW historical landfills: 0 EA/NRW current/recent landfills: 0 Historical permissioned waste sites: 0 Active or recently waste sites: 0 Waste exemptions: 10 	<p><u>Waste Exemptions</u></p> <p>The exemptions are for small scale waste storage and not considered significant.</p>

2.3 Industrial Features & Records

Industrial features indicating an increased likelihood of the presence of contamination, pollution incidents, and sites determined as contaminated land by a statutory authority, within 100m, are reviewed in table below.

Table 3-3: Industrial Data

Records	Details & Significance
<ul style="list-style-type: none"> Current industrial sites: 0 Current or recent petrol stations: 0 Electricity cables: 0 Gas pipelines: 0 	<p>There are no significant records within the search distance.</p>

- Sites determined as Contaminated Land: 0
- COMAH Sites: 0
- Regulated explosive sites: 0
- Hazardous substance storage: 0
- Integrated Pollution Control (IPC) records: 0
- Part A(1) permitted installations: 0
- Licensed pollutant releases (Part A(2)/B): 0
- Radioactive substance authorisations: 0
- Licensed discharges to controlled waters: 0
- Pollutant discharge to surface waters: 0
- Pollutant release to public sewer: 0
- List 1/2 dangerous substances discharge: 0
- Pollution incidents: 0
- Pollution inventory reporting: 0

3 ENVIRONMENTAL SETTING

The site's environmental and geological setting are reviewed characterise probable pathways and receptors, as well as identify relevant contaminant sources.

3.1 Geology & Geohazards

3.1.1 Published Geology

Data held by the British Geological Survey (BGS) indicate the site is underlain by the geological sequence summarised in the table below.

Table 4-1: Summary of Published Geology

Geological Unit	Description	Composition	Location
• Superficial/Drift:	Glaciofluvial Sheet Deposits, Devensian	Sand And Gravel	On site
• Bedrock/Solid:	Chester Pebble Beds Formation	Sandstone	On site

3.1.2 Geohazards

Potential health and environmental hazards relating to recorded or unrecorded mine workings, artificial ground and permanent gases are reviewed in the table below.

Table 4-2: Environmental Geohazards

Potential Geohazard	Details & Significance
<ul style="list-style-type: none"> Coal Mining Legacy 	The site is located within the Development Low Risk Area, as defined by the Coal Authority.
<ul style="list-style-type: none"> Infilled or Made Ground 	No evidence of significant ground workings or infilled voids has been identified.
<ul style="list-style-type: none"> Ground Gas Potential 	The natural geological strata identified above not considered a significant source of permanent ground gases such as methane or carbon dioxide.

3.2 Controlled Waters

3.2.1 Groundwater

Designated groundwater aquifers underlying the site are reviewed in the table below, along with any licenced abstractions and source protection zones.

Table 4-3: Aquifers, Abstractions & Protection Zones

Records		Details & Significance
<ul style="list-style-type: none"> Superficial Aquifer: 	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.
<ul style="list-style-type: none"> Bedrock Aquifer: 	Principal Aquifers	Layers of rock or drift deposits that have high intergranular and/or fracture permeability, meaning they usually provide a high level of water storage and transmission. They may support water supply and/or river base flow on a strategic scale
<ul style="list-style-type: none"> Groundwater Abstractions Licenses: 0 Surface Water Abstractions Licenses: 0 Potable Water Abstractions Licenses: 0 The site is not within a SPZ 		-

3.2.2 Surface Waters

Local surface water features and flood risk zones are reviewed in the table below.

Table 4-4: Surface Waters & Flood Risk Zones

Surface Waters	Details & Significance
<ul style="list-style-type: none"> Bridgewater Canal – 210m N 	Surface waters are at significant distance, but may receive surface water from the vicinity of the study site.

- The site is in Flood Zone 1

Very low risk of flooding, with an annual probability according to the EA/NRW of less than 0.1%.

3.3 Protected Sites

4.3.1 Designated Environmental & Heritage Sites

Statutory protected environmental and heritage sites within 250m are reviewed in the table below.

Table 4-5: Statutory Protected Sites

Feature	Details & Significance
<ul style="list-style-type: none"> • Ramsar sites: 0 • Special Areas of Conservation (SAC): 0 • Special Protection Areas (SPA): 0 • National Nature Reserves (NNR): 0 • Local Nature Reserves (LNR): 0 • Designated Ancient Woodland: 0 • World Heritage Sites: 0 • Listed Buildings: 0 	There are no significant features within the search distance.

3.4 Summary Environmental Sensitivity

Table 4-6: Site Sensitivity Assessment

Aspect	Environmental Sensitivity
• Hydrogeology	<u>High</u> . Principal bedrock aquifer, overlain with glacial till designated Secondary A.
• Hydrology	<u>Low</u> . The Bridgewater Canal is more than 200m N.
• Environmental Designations	<u>Low</u> . None within 250m.
• Local Land Use	<u>High</u> . Adjacent land use is generally residential.
• Proposed Use	<u>High</u> . Residential with garden.
Overall Environmental Sensitivity:	Moderate to High

4 INITIAL CONCEPTUAL SITE MODEL

For a conceptual risk of harm to human health or the environment to exist within the context of LCRM, all of the following elements must be present:

- a source – i.e., a substance (contaminant(s)) that is capable of causing pollution or adverse health effects;
- a receptor - i.e., something which could be adversely affected by the source; and
- a pathway – i.e., a route by which the contaminant could come into contact with, or affect, the receptor.

Information on these three elements is used to form an initial conceptual site model (CSM) and identify potentially significant contaminant linkages.

4.1 Pollutant Linkage Assessment

Based on the information presented in sections 2 and 3, the following potential sources, receptors and relevant pathways for exposure are identified in relation to the development.

4.1.1 On-Site Potential Sources of Contamination

Table 5-1: Potential on-site sources and contaminants of potential concern (CoC)

Source or Feature	Discussion	Primary CoPC
Unspecified building	The building appears to have been commercial in nature and if so, especially given the era of its operation, may have given rise to contamination.	Metals/metalloids, hydrocarbons, PAHs, PCBs, sulphates
Demolition/ Made Ground	Demolition of previous structures is likely to have resulted in Made Ground underlying the site, and this is frequently a source of common contaminants associated with building materials and informal waste disposal. Asbestos may have been present in the structures demolished, and ash and clinker are also commonly encountered in association with pre 1960s dwellings. The thickness of any Made Ground present is likely to be limited to the depth of foundations to the former building and is therefore not considered a significant source of ground gases.	Ash and clinker, metals/metalloids, PAHs, PCBs, sulphates

4.1.2 Off-Site Potential Sources of Contamination

Table 5-2: Potential off-site sources and contaminants of potential concern (CoC)

Source or Feature	Discussion	Primary CoPC
Mills – 40m S, 60m S, 105m N	Potential sources of contamination associated with leakage, spills or informal waste disposal practices. The more mobile contaminants present the greatest likelihood of impacts on the study site, such as hydrocarbons and VOCs.	Metals/metalloids, hydrocarbons, VOCs, PAHs, PCBs, phenols, sulphates
Works – 90m E, 120mN, 160m N		

4.1.3 Potential Receptors

Potential receptors relevant to the documented history, potential sources, site-setting and proposed use include:

- **Human Health:** residential end users; nearby land users; construction workers
- **Property** in the form of buildings and structures
- **Flora** within soft landscaping

4.1.4 Potential Pathways

The primary pathways relevant to the identified potential sources and receptors are:

- **Ingestion**
- **Dermal contact**
- **Inhalation**

- **Surface water run-off:** leaching/migration
- **Surface water infiltration:** leaching/migration
- **Migration:** laterally or vertically, via infrastructure or preferential pathways such as permeable strata

Next page -

4.2 Preliminary Risk Assessment

Qualitative assessment of the risks posed by the potentially significant pollutant linkages identified in Section 5.1 is summarised in the table below. Risk classification is a function of the severity of a potential environmental or health effect, and the likelihood or frequency of its occurrence.

Table 5-3. Preliminary Risk Assessment

Source	Pathway	Receptor	Consequence	Likelihood	Classification*	Rationale
Organic and inorganic contaminants potentially present in soils and/or made ground	Dermal contact, ingestion, particulate inhalation	Nearby occupants & site users	Medium	Low Likelihood	Moderate Risk	There is the possibility of an elevated short-term risk to construction workers and off-site receptors, from particulates liberated during groundworks.
		Residential end users	Medium	Unlikely	Low Risk	Development for residential use introduces the possibility of sensitive receptors such as young children being exposed to contaminants in near surface soils should they be present.
	Consumption of home grown produce		Medium	Unlikely	Low Risk	However, the presence of permanent hardstandings across external areas will preclude direct contact with any contaminated media, or liberation of particulates, as well as the establishment of gardens or growing of produce.
	Uptake from root zone	Flora within soft landscaping	Minor	Low Likelihood	Low Risk	Any soft landscaping should be in above ground planters.
	Migration of vapours via strata, structures or services; subsequent inhalation	Residential end users	Medium	Low Likelihood	Moderate Risk	Several potential sources of volatile contaminants have been identified in proximity to the site, although most of these ceased to exist by the 1980s. It is likely that any historical near surface sources would have been significantly attenuated by natural processes over time, including volatilisation and microbial degradation. However, the potential for vapour intrusion as a result of such sources and possible new pathways created during construction cannot be ruled out at this stage.
	Diffusion through plastic water supply pipes	Water supply pipes	Medium	Low Likelihood	Moderate/ Low Risk	Water supply pipes may be sited in media containing contaminants capable of permeating standard polyethylene pipes.

*in the absence of mitigation or remedial measures

Source	Pathway	Receptor	Consequence	Likelihood	Classification*	Rationale
Cont'd	Leaching and/or migration via unsaturated zone	Groundwater	Medium	Unlikely	Low Risk	<p>Bedrock locally is designated a Principal Aquifer, while superficial deposits are designated Secondary A.</p> <p>However, given its size and established use history the study site is very unlikely to be a primary source of mobile and/or leachable contamination locally.</p> <p>There are no abstractions within 500m and the site is not in an SPZ. Mapped surface water features are at significant distance.</p>
	Leaching and/or migration via runoff or drainage network	Surface waters	Medium	Unlikely	Low Risk	
	Flooding	Ground/surface waters	Medium	Unlikely	Low Risk	
Aggressive ground (e.g. sulphate; pH)	Direct contact/ chemical attack	Buildings/ services	Mild	Likely	Low Risk	If present, Made Ground and/or demolition fill may present a source of aggressive contaminants.
Potential asbestos containing materials in soils	Release of asbestos fibres; subsequent inhalation	Site occupants & users	Medium	Low Likelihood	Moderate/ Low Risk	<p>The likelihood of ACM contamination will largely depend on the nature of any Made Ground present.</p> <p>If ACM is present, groundworks are likely to liberate/damage these and increase fibre release.</p> <p>Construction works are subject to separate regulation requiring safe systems of work, with any risk e.g., to site operatives mitigated through the use of PPE.</p>
		Construction workers	Medium	Unlikely	Low Risk	

*in the absence of mitigation or remedial measures

5 CONCLUSIONS

5.1 Risk Assessment Summary

Adeptus was appointed by Chris Bryne to undertake a Geo-Environmental Phase 1 Desk Study in support of a planning application for development at the site known as 14a Barrack Street.

On the basis of the available information, potentially significant contaminant linkages have been identified. However, it is considered that relatively simple mitigation measures should be feasible based on the outcome of subsequent quantitative assessment.

The application site remained undeveloped until construction of an end of terrace building which appeared larger than the adjacent dwellings built at the same time. The building is considered likely to have been commercial in nature.

The current dwellings along Barack St and those to the west appeared at some time between 1955 and 1964, along with the church to the west.

The wider local area has been subject to significant historical and ongoing potentially contaminative heavy industrial use.

Closest of these was a cotton mill circa 40m S, followed by a later textile mill on the same site, which was in turn demolished some time between 1965 and 1971, with housing appearing on the site by 1981.

Others include metal works and an oil works, and some industrial use remains to the north.

In respect of the completed development, risk to human health from contaminants in soil is considered to be low due to the presence of permanent hard paving across all external areas.

However, there is a potentially significant risk from potential vapour intrusion.

There is also a possibility of waster supply pipes being sites in contaminated media, and in our experience the water company will require barrier pipe to be used.

Bedrock locally is designated a Principal Aquifer, while superficial deposits are designated Secondary A.

However, given its size and the established use history, the study site is very unlikely to be a primary source of mobile and/or leachable contamination locally. As such there is not considered to be any potentially unacceptable risk to the water environment.

N.B.: This summary forms part of the overall risk assessment and should not be viewed or used as an independent report.

5.2 Recommendations

Adeptus considered that mitigation of potential risk from vapour intrusion can be achieved via the incorporation of protection measures in lieu of intrusive investigation, to prevent any ingress of vapours should any be present.

Such measures would comprise a proprietary hydrocarbon barrier system in accordance with CIRIA C748:2014 standard for volatile organic compounds (VOC) protection. Potential systems include Alderprufe HC Geomembrane and Visqueen Ultimate HC BLOK.

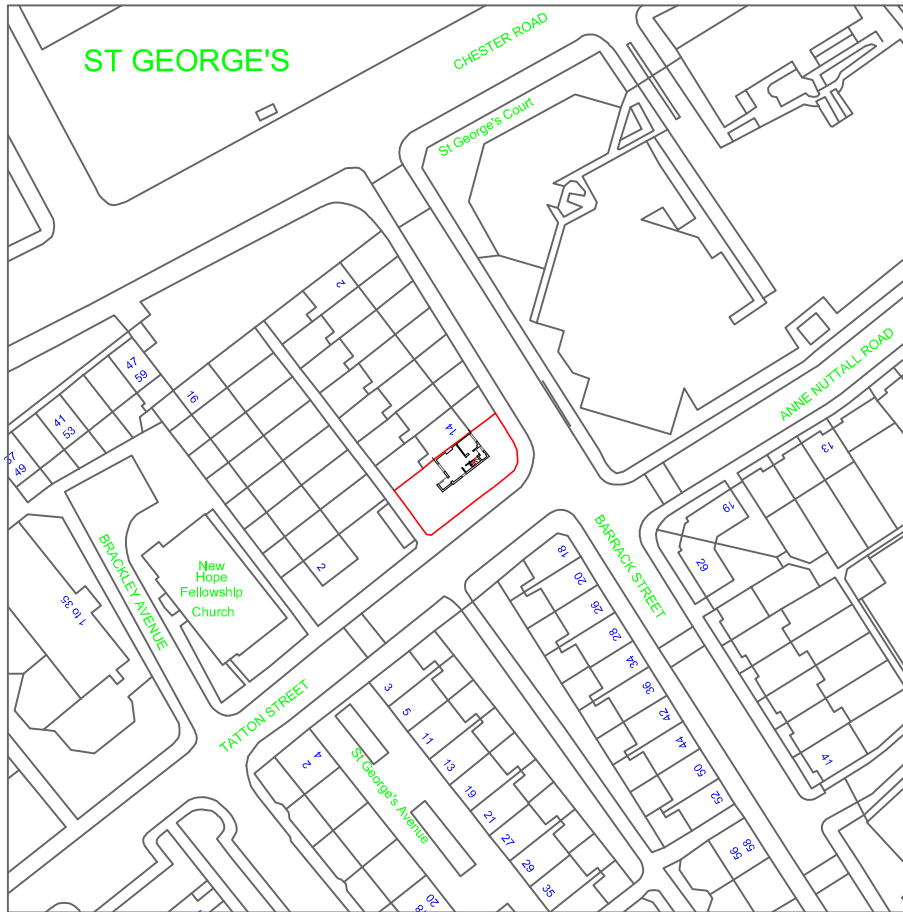
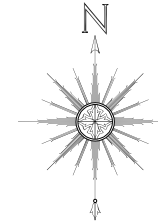
Alternatively intrusive investigation may be undertaken to further characterise the potentially significant contaminant linkages.

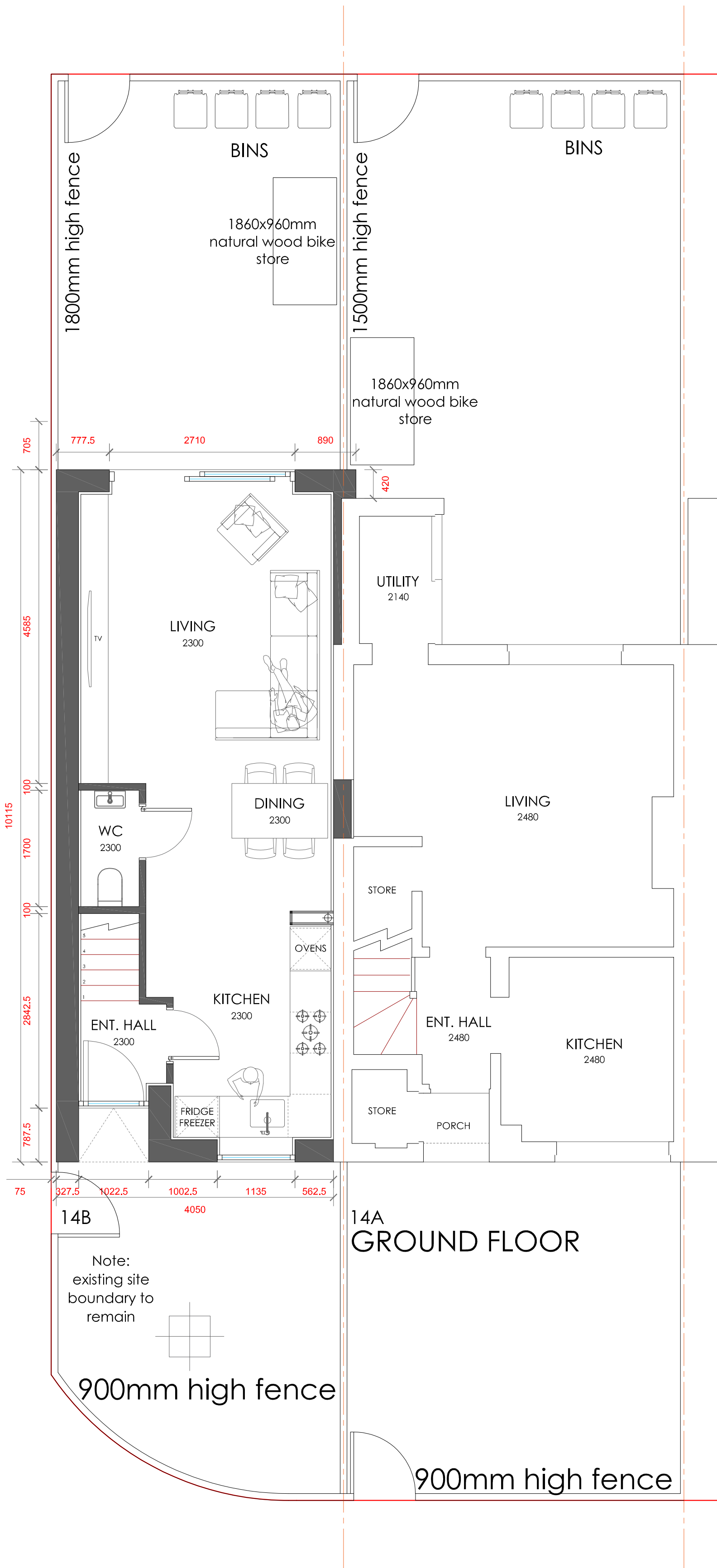
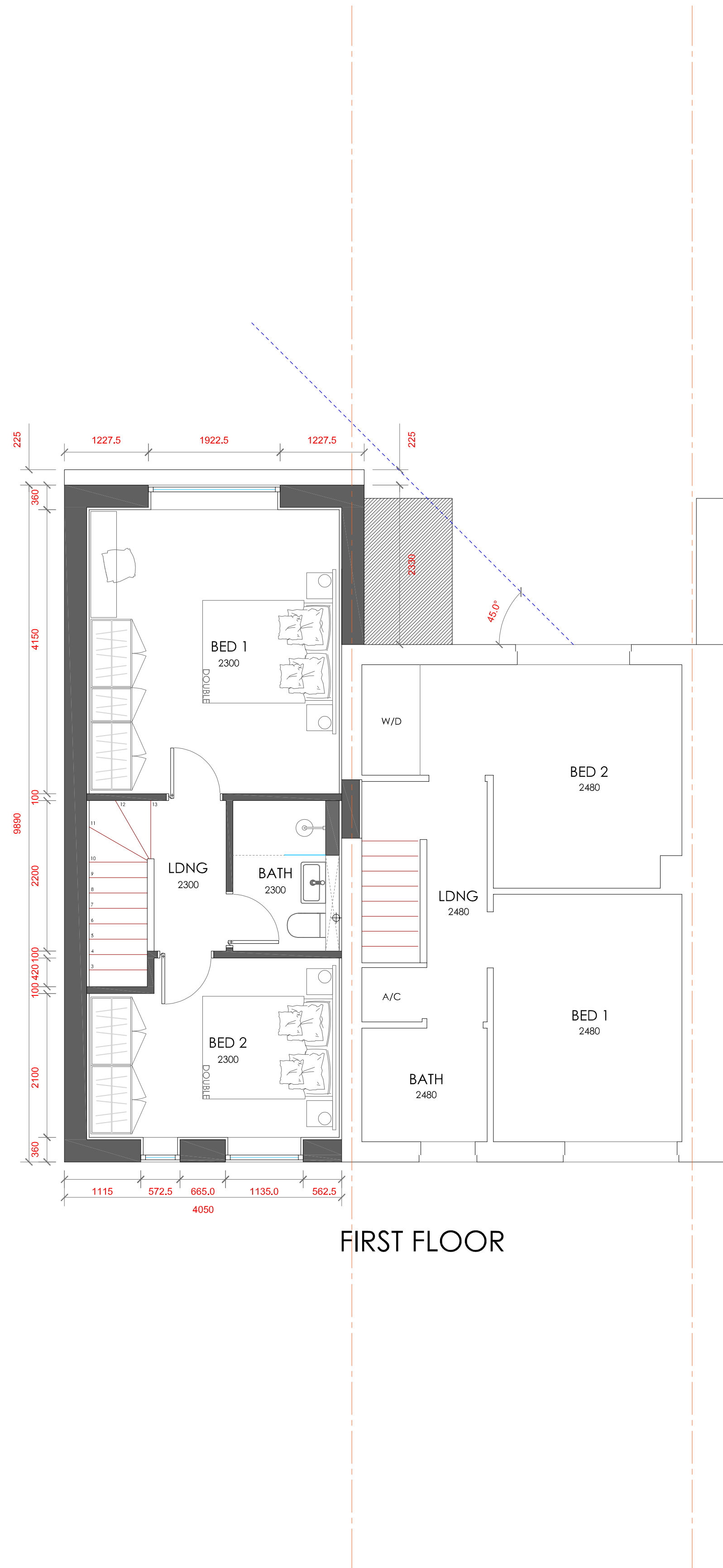
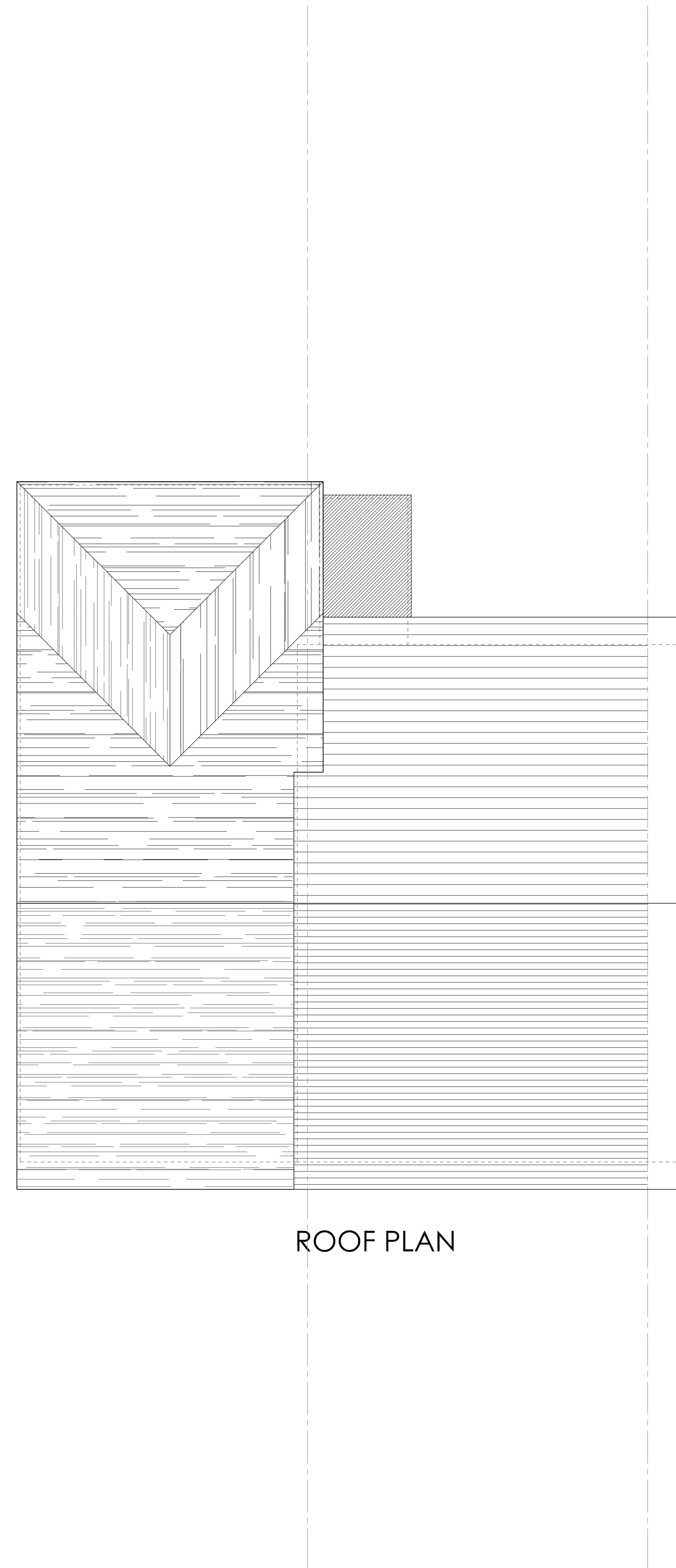
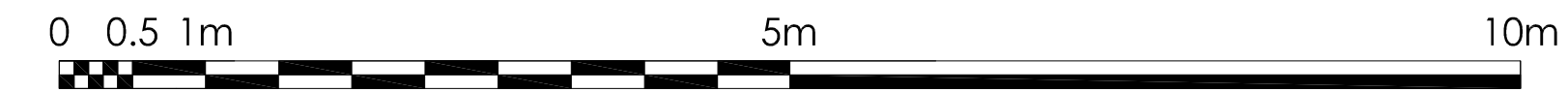
Construction Phase

During groundworks, a watching brief should be maintained and any evidence of Made Ground, or visual and/or olfactory evidence of contamination recorded.

- End of report.

APPENDIX A – SITE PLAN





PROJECT REF
22044

DRAWING REF
201 E

SCALE
1:50 @ A1

DATE
JUNE '22

CLIENT
MR P BYRNE
14A BARRACK CLOSE
HULME
MANCHESTER
M15 4ER

PROJECT
NEW BUILD END-TERRACE HOUSE

DRAWING TITLE
PROPOSED FLOOR PLANS
PLANNING

E UPDATED WITH REAR HIPPED ROOF DESIGN 08.11.22
D CHANGES MADE FOR MIN. SPACE STANDARDS 25.10.22
C CHANGES MADE AS PER PO REQUEST 13.10.22
B CHANGES MADE AS PER PO REQUEST 06.10.22
A CHANGES MADE AS PER PO REQUEST 09.08.22
- ISSUED FOR PLANNING APPROVAL 11.07.22

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APPENDIX B – SUPPORTING INFORMATION

In compiling this report the following data sources have been consulted.

- Groundsure Enviro Insight Report (Appendix B1)
- Historical Ordnance Survey Maps (Appendix B2)
- Ordnance Survey Trade Directories
- British Geological Survey data, maps and memoirs
- Environment Agency and Local Authority designations, registers and permissions
- Site reconnaissance –remote

This report is based on information available at the time of writing and is subject to the limitations set out in Appendix C. In general, the listed information sources have been accessed via the Enviro Insight Report.

Appendix B1 – Enviro Insight Report

14A, BARRACK STREET, MANCHESTER, M15 4ER

Order Details

Date: 17/05/2023
Your ref: 14a_Barrack_Street_Hulme
Our Ref: GS-TZ9-KIR-HDY-EYC

Site Details

Location: 382709 397078
Area: 0.02 ha
Authority: [Manchester City Council](#) ↗



Summary of findings

[p. 2 >](#)

Aerial image

[p. 8 >](#)

OS MasterMap site plan

[p.12 >](#)

groundsure.com/insightuserguide ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
13 >	1.1 >	Historical industrial land uses >	0	1	21	63	-
17 >	1.2 >	Historical tanks >	0	0	11	41	-
19 >	1.3 >	Historical energy features >	0	0	9	11	-
20 >	1.4 >	Historical petrol stations >	0	0	0	0	-
20 >	1.5 >	Historical garages >	0	0	4	13	-
21 >	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
22 >	2.1 >	Historical industrial land uses >	0	1	26	107	-
27 >	2.2 >	Historical tanks >	0	0	21	69	-
31 >	2.3 >	Historical energy features >	0	0	34	47	-
34 >	2.4 >	Historical petrol stations >	0	0	0	0	-
34 >	2.5 >	Historical garages >	0	0	9	29	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
37 >	3.1 >	Active or recent landfill >	0	0	0	0	-
37 >	3.2 >	Historical landfill (BGS records) >	0	0	0	0	-
38 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	0	-
38 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
38 >	3.5 >	Historical waste sites >	0	0	0	20	-
41 >	3.6 >	Licensed waste sites >	0	0	0	3	-
42 >	3.7 >	Waste exemptions >	0	0	8	21	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
45 >	4.1 >	Recent industrial land uses >	0	0	9	-	-
46 >	4.2 >	Current or recent petrol stations >	0	0	0	2	-
47 >	4.3 >	Electricity cables >	0	0	0	0	-
47 >	4.4 >	Gas pipelines >	0	0	0	0	-
47 >	4.5 >	Sites determined as Contaminated Land >	0	0	0	0	-



47 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	0	0	-
47 >	4.7 >	Regulated explosive sites >	0	0	0	0	-
48 >	4.8 >	Hazardous substance storage/usage >	0	0	0	0	-
48 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	0	0	-
48 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	0	0	-
48 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	1	-
49 >	4.12 >	Radioactive Substance Authorisations >	0	0	0	0	-
49 >	4.13 >	Licensed Discharges to controlled waters >	0	0	0	23	-
53 >	4.14 >	Pollutant release to surface waters (Red List) >	0	0	0	0	-
53 >	4.15 >	Pollutant release to public sewer >	0	0	0	0	-
53 >	4.16 >	List 1 Dangerous Substances >	0	0	0	0	-
53 >	4.17 >	List 2 Dangerous Substances >	0	0	0	0	-
53 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	2	4	-
54 >	4.19 >	Pollution inventory substances >	0	0	0	0	-
55 >	4.20 >	Pollution inventory waste transfers >	0	0	0	0	-
55 >	4.21 >	Pollution inventory radioactive waste >	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
56 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
58 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
59 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
60 >	5.4 >	Groundwater vulnerability- soluble rock risk >	None (within 0m)				
60 >	5.5 >	Groundwater vulnerability- local information >	None (within 0m)				
61 >	5.6 >	Groundwater abstractions >	0	0	0	7	34
72 >	5.7 >	Surface water abstractions >	0	0	0	2	4
74 >	5.8 >	Potable abstractions >	0	0	0	0	0
74 >	5.9 >	Source Protection Zones >	0	0	0	0	-
74 >	5.10 >	Source Protection Zones (confined aquifer) >	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
75 >	6.1 >	Water Network (OS MasterMap) >	0	0	4	-	-

76 >	6.2 >	Surface water features >	0	0	2	-	-
76 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
77 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
77 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	7.1 >	Risk of flooding from rivers and the sea >	None (within 50m)				
78 >	7.2 >	Historical Flood Events >	0	0	0	-	-
78 >	7.3 >	Flood Defences >	0	0	0	-	-
79 >	7.4 >	Areas Benefiting from Flood Defences >	0	0	0	-	-
79 >	7.5 >	Flood Storage Areas >	0	0	0	-	-
80 >	7.6 >	Flood Zone 2 >	None (within 50m)				
80 >	7.7 >	Flood Zone 3 >	None (within 50m)				
Page	Section	Surface water flooding >					
81 >	8.1 >	Surface water flooding >	1 in 1000 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
83 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
84 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	0
84 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	0
84 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	0
84 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	0
85 >	10.5 >	National Nature Reserves (NNR) >	0	0	0	0	0
85 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	0
85 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	0
85 >	10.8 >	Biosphere Reserves >	0	0	0	0	0
86 >	10.9 >	Forest Parks >	0	0	0	0	0
86 >	10.10 >	Marine Conservation Zones >	0	0	0	0	0
86 >	10.11 >	Green Belt >	0	0	0	0	0
86 >	10.12 >	Proposed Ramsar sites >	0	0	0	0	0



86 >	10.13 >	Possible Special Areas of Conservation (pSAC) >	0	0	0	0	0
87 >	10.14 >	Potential Special Protection Areas (pSPA) >	0	0	0	0	0
87 >	10.15 >	Nitrate Sensitive Areas >	0	0	0	0	0
87 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	1
88 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
89 >	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
90 >	11.1 >	World Heritage Sites >	0	0	0	-	-
91 >	11.2 >	Area of Outstanding Natural Beauty >	0	0	0	-	-
91 >	11.3 >	National Parks >	0	0	0	-	-
91 >	11.4 >	Listed Buildings >	0	0	5	-	-
92 >	11.5 >	Conservation Areas >	0	0	1	-	-
92 >	11.6 >	Scheduled Ancient Monuments >	0	0	0	-	-
92 >	11.7 >	Registered Parks and Gardens >	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
94 >	12.2 >	Open Access Land >	0	0	0	-	-
94 >	12.3 >	Tree Felling Licences >	0	0	0	-	-
94 >	12.4 >	Environmental Stewardship Schemes >	0	0	0	-	-
94 >	12.5 >	Countryside Stewardship Schemes >	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	13.1 >	Priority Habitat Inventory >	0	0	0	-	-
95 >	13.2 >	Habitat Networks >	0	0	0	-	-
96 >	13.3 >	Open Mosaic Habitat >	0	0	1	-	-
96 >	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
97 >	14.1 >	10k Availability >	Identified (within 500m)				
98 >	14.2 >	Artificial and made ground (10k) >	0	0	1	2	-
99 >	14.3 >	Superficial geology (10k) >	1	0	0	3	-

100 >	14.4 >	Landslip (10k) >	0	0	0	0	-
101 >	14.5 >	Bedrock geology (10k) >	1	0	0	1	-
102 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	15.1 >	50k Availability >	Identified (within 500m)				
104 >	15.2 >	Artificial and made ground (50k) >	0	0	0	1	-
105 >	15.3 >	Artificial ground permeability (50k) >	0	0	-	-	-
106 >	15.4 >	Superficial geology (50k) >	1	0	0	3	-
107 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
107 >	15.6 >	Landslip (50k) >	0	0	0	0	-
107 >	15.7 >	Landslip permeability (50k) >	None (within 50m)				
108 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
109 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
109 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	16.1 >	BGS Boreholes >	0	1	32	-	-
Page	Section	Natural ground subsidence >					
113 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
114 >	17.2 >	Running sands >	Very low (within 50m)				
115 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
116 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
117 >	17.5 >	Landslides >	Very low (within 50m)				
118 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities >	On site	0-50m	50-250m	250-500m	500-2000m
120 >	18.1 >	Natural cavities >	0	0	0	0	-
121 >	18.2 >	BritPits >	0	0	0	0	-
121 >	18.3 >	Surface ground workings >	0	1	12	-	-
122 >	18.4 >	Underground workings >	0	0	0	0	0
122 >	18.5 >	Historical Mineral Planning Areas >	0	0	0	0	-



122 >	18.6 >	Non-coal mining >	0	0	0	0	0
122 >	18.7 >	Mining cavities >	0	0	0	0	1
123 >	18.8 >	JPB mining areas >	Identified (within 0m)				
123 >	18.9 >	Coal mining >	Identified (within 0m)				
124 >	18.10 >	Brine areas >	None (within 0m)				
124 >	18.11 >	Gypsum areas >	None (within 0m)				
124 >	18.12 >	Tin mining >	None (within 0m)				
124 >	18.13 >	Clay mining >	None (within 0m)				
Page	Section	Radon >					
125 >	19.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
127 >	20.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
127 >	20.2 >	BGS Estimated Urban Soil Chemistry >	2	2	-	-	-
128 >	20.3 >	BGS Measured Urban Soil Chemistry >	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
129 >	21.1 >	Underground railways (London) >	0	0	0	-	-
129 >	21.2 >	Underground railways (Non-London) >	0	0	0	-	-
130 >	21.3 >	Railway tunnels >	0	0	0	-	-
130 >	21.4 >	Historical railway and tunnel features >	0	0	1	-	-
130 >	21.5 >	Royal Mail tunnels >	0	0	0	-	-
130 >	21.6 >	Historical railways >	0	0	0	-	-
131 >	21.7 >	Railways >	0	0	0	-	-
131 >	21.8 >	Crossrail 1 >	0	0	0	0	-
131 >	21.9 >	Crossrail 2 >	0	0	0	0	-
131 >	21.10 >	HS2 >	0	0	0	0	-

Recent aerial photograph



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Capture Date: 22/04/2019

Site Area: 0.02ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 0.02ha



Recent site history - 2009 aerial photograph



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



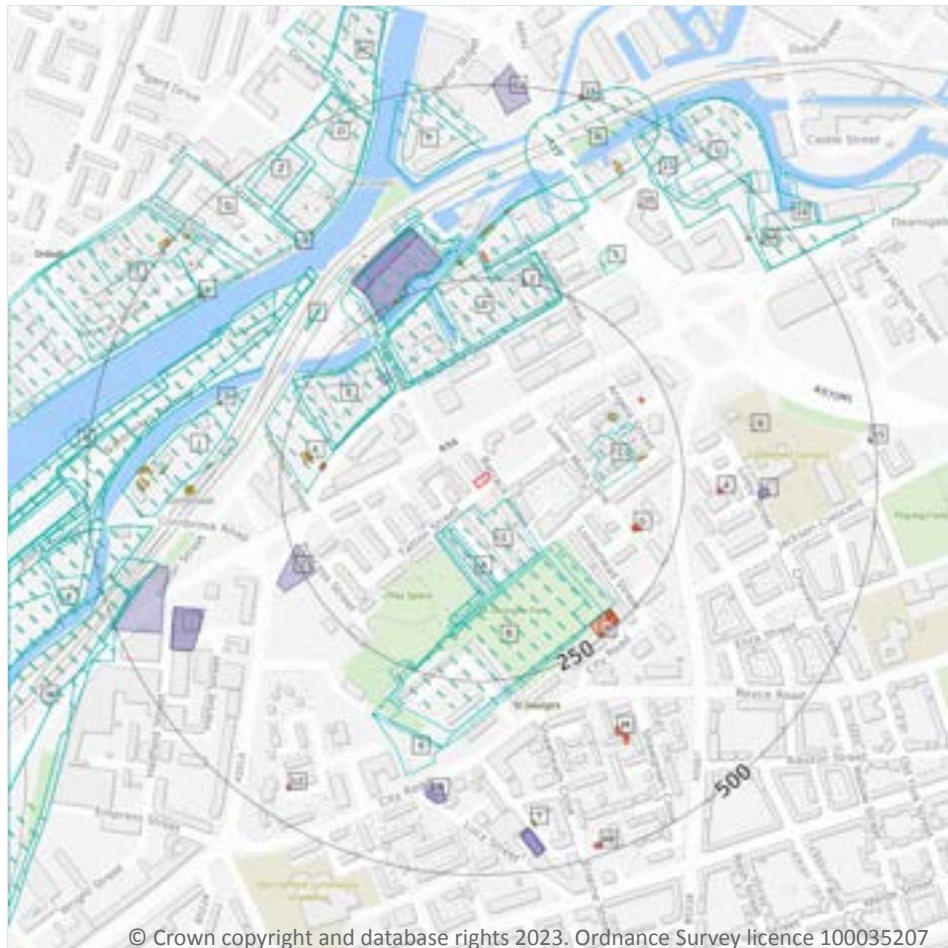
OS MasterMap site plan



Site Area: 0.02ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

85

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

Features are displayed on the Past land use map on [page 13 >](#)

ID	Location	Land use	Dates present	Group ID
1	24m S	Cotton Mill	1851	797882



ID	Location	Land use	Dates present	Group ID
A	61m SW	Unspecified Mills	1923	907773
A	65m SW	Unspecified Commercial/Industrial	1905	796715
A	65m SW	Unspecified Mills	1916	885649
A	65m SW	Unspecified Mills	1932 - 1938	985403
B	115m SE	Cavalry Barracks	1851	888908
B	119m SE	Cavalry Barracks	1905	920635
B	122m SE	Barracks	1896	843605
C	134m E	Dye Works	1851	833956
D	145m NW	Unspecified Commercial/Industrial	1896	861626
D	145m NW	Unspecified Commercial/Industrial	1923	965943
D	150m NW	Sawmill	1851	808364
D	150m NW	Unspecified Mills	1978	870292
D	151m NW	Unspecified Commercial/Industrial	1956 - 1971	923803
E	156m NW	Unspecified Commercial/Industrial	1938	897464
E	156m NW	Unspecified Mills	1916 - 1923	960036
E	156m NW	Unspecified Commercial/Industrial	1905	967266
E	159m NW	Unspecified Commercial/Industrial	1956 - 1971	952195
C	173m NE	Unspecified Tank	1971	825226
D	229m NW	Unspecified Commercial/Industrial	1896	974596
D	239m NW	Iron Works	1905	822792
D	239m NW	Unspecified Commercial/Industrial	1916 - 1923	850018
D	260m N	Unspecified Commercial/Industrial	1905	894637
D	260m N	Unspecified Mills	1916 - 1938	928073
I	292m NW	Railway Building	1905	878479
I	292m NW	Railway Building	1923	892827
5	298m NE	Sand Pit	1851	797576
D	307m NW	Railway Building	1932 - 1938	911580
J	309m W	Fustian Mills	1851	806839



ID	Location	Land use	Dates present	Group ID
J	312m NW	Railway Sidings	1905 - 1938	908250
J	312m NW	Docks	1905 - 1938	930741
J	314m W	Unspecified Commercial/Industrial	1905	796716
J	314m W	Unspecified Mills	1916 - 1938	882675
6	320m SW	Chair Works	1916 - 1923	961580
K	326m NW	Docks	1956 - 1971	847093
K	326m NW	Docks	1988	876412
K	326m NW	Railway Sidings	1971	927627
K	326m NW	Railway Sidings	1977	933048
K	326m NW	Railway Sidings	1956 - 1959	945210
D	328m N	Railway Buildings	1923	833632
K	332m NW	Docks	1896	887061
K	332m NW	Railway Sidings	1896	986088
D	333m N	Railway Building	1932 - 1938	845151
D	340m N	Railway Building	1932 - 1938	920704
N	366m N	Unspecified Wharves	1905 - 1916	881666
N	366m N	Unspecified Wharves	1932 - 1938	937403
O	376m NW	Iron Works	1916 - 1923	873229
O	376m NW	Unspecified Commercial/Industrial	1932 - 1938	846750
O	376m NW	Unspecified Commercial/Industrial	1905	870019
D	377m N	Railway Building	1923	820273
O	381m NW	Unspecified Commercial/Industrial	1956 - 1971	941987
P	381m N	Unspecified Warehouses	1905	812726
P	381m N	Unspecified Warehouse	1916 - 1938	867773
D	381m N	Railway Building	1932 - 1938	912895
Q	384m NW	Unspecified Works	1978	830430
Q	384m NW	Unspecified Commercial/Industrial	1956 - 1971	927269
O	385m NW	Unspecified Works	1978	830431



ID	Location	Land use	Dates present	Group ID
P	390m N	Quay	1851	808069
T	399m NW	Dye Works	1905 - 1938	911990
T	399m NW	Unspecified Commercial/Industrial	1956 - 1971	948457
U	407m NE	Unspecified Depot	1978	853404
U	407m NE	Unspecified Depot	1985 - 1994	921090
O	419m N	Silk and Cotton Mill	1851	810085
V	419m W	Unspecified Warehouses	1932 - 1938	967494
T	419m NW	Unspecified Commercial/Industrial	1896	966213
W	421m W	Railway Sidings	1905 - 1916	857474
W	421m W	Railway Sidings	1932 - 1938	872906
U	429m NE	Unspecified Ground Workings	1851	800608
U	429m NE	Quay	1851	846276
11	430m NE	Gravel Pit	1851	807881
T	431m NW	Dye Works	1851	916137
K	434m W	Docks	1978	928772
K	434m W	Docks	1994	974950
U	438m NE	Warehouse	1851	837277
Z	441m NW	Unspecified Works	1978	845316
Z	441m NW	Unspecified Works	1985 - 1988	941424
K	453m W	Railway Building	1916	957129
K	454m W	Railway Building	1932 - 1938	939704
K	477m W	Docks	1985	881463
14	479m NE	Warehouse	1851	837278
AC	486m N	Unspecified Commercial/Industrial	1916 - 1938	919087
AC	486m N	Unspecified Commercial/Industrial	1905	980628
K	496m W	Chemical Works	1851	834554
U	497m NE	Unspecified Warehouses	1971	812727
V	497m W	Sawmill	1851	808363

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

52

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

Features are displayed on the Past land use map on [page 13](#) >

ID	Location	Land use	Dates present	Group ID
C	153m NE	Unspecified Tank	1891	115662
C	171m NE	Unspecified Tank	1963	127413
E	179m NW	Unspecified Tank	1891	115661
C	191m E	Unspecified Tank	1948 - 1954	126405
C	198m E	Unspecified Tank	1949	135351
F	210m W	Unspecified Tank	1949	144881
D	210m N	Unspecified Tank	1891	115660
F	215m W	Unspecified Tank	1922 - 1932	129532
H	244m SE	Unspecified Tank	1908	115666
D	247m NW	Unspecified Tank	1982 - 1998	122775
3	247m N	Unspecified Tank	1891	115659
D	270m N	Unspecified Tank	1908	125058
D	270m N	Unspecified Tank	1893 - 1922	147499
D	306m N	Unspecified Tank	1948 - 1949	123558
D	319m NW	Unspecified Tank	1948 - 1963	128267
D	336m N	Tanks	1948 - 1998	149178
D	337m N	Tanks	1949	140617
7	341m W	Unspecified Tank	1891	115667
J	342m W	Tanks	1891	107103
8	347m E	Unspecified Tank	1891	115663
9	377m NW	Unspecified Tank	1891	115656



ID	Location	Land use	Dates present	Group ID
10	395m NE	Unspecified Tank	1995 - 1998	132953
O	397m NW	Unspecified Tank	1891	115650
J	400m W	Tanks	1949	136730
J	400m W	Tanks	1949	126050
J	401m W	Tanks	1949	107131
O	403m NW	Unspecified Tank	1891	115655
O	409m NW	Unspecified Tank	1891	115653
O	410m NW	Unspecified Tank	1891	115651
O	413m NW	Unspecified Tank	1891	115654
J	415m W	Unspecified Tank	1949	127948
J	415m W	Unspecified Tank	1949	134601
O	415m NW	Unspecified Tank	1891	115652
J	416m W	Tanks	1949	140346
J	418m W	Tanks	1949	143406
J	420m W	Tanks	1949	141041
N	422m NE	Tanks	1963	148559
X	423m NW	Tanks	1891	107128
J	425m W	Tanks	1932	107135
J	426m W	Tanks	1932	141612
Y	434m S	Tanks	1949	129284
Y	438m S	Tanks	1949 - 1971	145220
X	459m NW	Unspecified Tank	1891	115657
AA	461m NE	Unspecified Tank	1960	123914
AA	461m NE	Unspecified Tank	1969	143958
AA	461m NE	Unspecified Tank	1963	141829
AA	462m NE	Unspecified Tank	1980	132153
AA	462m NE	Unspecified Tank	1980	143849
K	482m W	Unspecified Tank	1994 - 1995	145679



ID	Location	Land use	Dates present	Group ID
X	484m NW	Unspecified Tank	1963 - 1982	140444
X	500m NW	Tanks	1963 - 1982	138147
X	500m NW	Unspecified Tank	1963 - 1977	134128

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

20

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

Features are displayed on the Past land use map on [page 13 >](#)

ID	Location	Land use	Dates present	Group ID
F	193m W	Electricity Substation	1977 - 1998	84066
G	193m E	Electricity Substation	1995 - 1998	83750
F	193m W	Electricity Substation	1982 - 1984	80985
G	195m E	Electricity Substation	1982 - 1995	68671
C	217m NE	Electricity Substation	1977 - 1998	77866
H	228m SE	Electricity Substation	1949 - 1986	80495
H	229m SE	Electricity Substation	1993 - 1995	78425
H	229m SE	Electricity Substation	1988	78415
H	229m SE	Electricity Substation	1971	82567
D	272m N	Electricity Substation	1948 - 1949	73349
4	294m E	Electricity Substation	1969 - 1997	71174
M	357m SE	Electricity Substation	1993 - 1995	79599
M	369m SE	Electricity Substation	1986	72217
M	370m SE	Electricity Substation	1971 - 1988	76547
AA	450m NE	Electricity Substation	1995 - 1997	72564



ID	Location	Land use	Dates present	Group ID
12	455m SW	Electricity Substation	1969 - 1995	80196
AB	484m S	Electricity Substation	1986 - 1995	79190
AB	484m S	Electricity Substation	1971	81359
15	491m E	Electricity Substation	1997	65434
16	495m N	Electricity Substation	1980 - 1997	78864

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	17
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 13 >](#)

ID	Location	Land use	Dates present	Group ID
E	170m NW	Garage	1948	20266
2	236m SW	Garage	1989 - 1995	26995
D	239m NW	Omnibus Garage	1977	21743
D	239m NW	Bus Garage	1982 - 1984	27058
D	283m NW	Omnibus Garage	1949 - 1963	25395
D	284m NW	Omnibus Garage	1948 - 1963	24746



ID	Location	Land use	Dates present	Group ID
L	347m E	Garage	1959	22973
L	347m E	Garage	1960 - 1979	27867
R	384m S	Garage	1986	23167
S	385m SW	Garage	1989	20712
R	388m S	Garage	1971 - 1995	27505
S	391m SW	Garage	1994 - 1995	26022
K	410m W	Garage	1994 - 1995	24344
Y	444m S	Garage	1995	22525
Y	444m S	Garage	1995	23863
Y	447m S	Garage	1994	22081
13	463m N	Garage	1978 - 1980	27283

This data is sourced from Ordnance Survey / Groundsure.

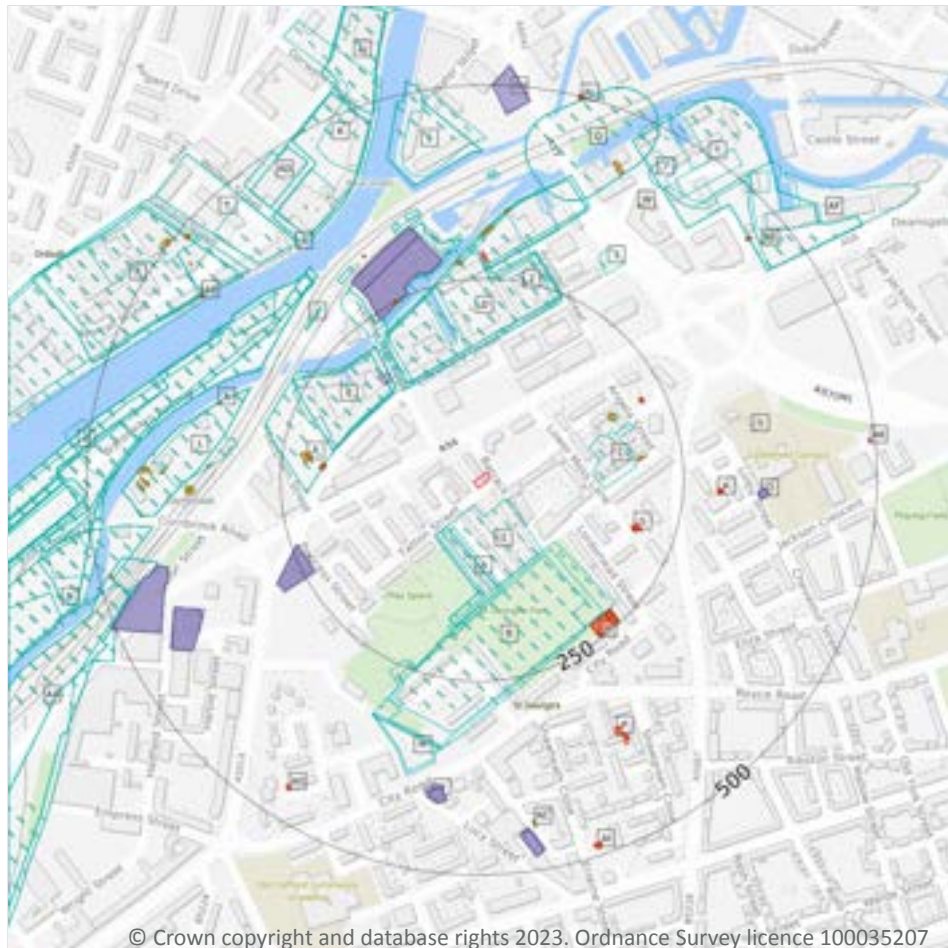
1.6 Historical military land

Records within 500m	0
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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

2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

134

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 22](#) >

ID	Location	Land Use	Date	Group ID
1	24m S	Cotton Mill	1851	797882
A	61m SW	Unspecified Mills	1923	907773
A	65m SW	Unspecified Mills	1938	985403

ID	Location	Land Use	Date	Group ID
A	65m SW	Unspecified Mills	1932	985403
A	65m SW	Unspecified Mills	1916	885649
A	65m SW	Unspecified Commercial/Industrial	1905	796715
B	115m SE	Cavalry Barracks	1851	888908
B	119m SE	Cavalry Barracks	1905	920635
B	122m SE	Barracks	1896	843605
C	134m E	Dye Works	1851	833956
D	145m NW	Unspecified Commercial/Industrial	1896	861626
D	145m NW	Unspecified Commercial/Industrial	1923	965943
D	150m NW	Sawmill	1851	808364
D	150m NW	Unspecified Mills	1978	870292
D	151m NW	Unspecified Commercial/Industrial	1971	923803
D	151m NW	Unspecified Commercial/Industrial	1956	923803
E	156m NW	Unspecified Commercial/Industrial	1938	897464
E	156m NW	Unspecified Mills	1916	960036
E	156m NW	Unspecified Commercial/Industrial	1905	967266
E	156m NW	Unspecified Mills	1923	960036
E	159m NW	Unspecified Commercial/Industrial	1971	952195
E	159m NW	Unspecified Commercial/Industrial	1956	952195
C	173m NE	Unspecified Tank	1971	825226
D	229m NW	Unspecified Commercial/Industrial	1896	974596
D	239m NW	Unspecified Commercial/Industrial	1916	850018
D	239m NW	Iron Works	1905	822792
D	239m NW	Unspecified Commercial/Industrial	1923	850018
D	260m N	Unspecified Mills	1938	928073
D	260m N	Unspecified Mills	1932	928073
D	260m N	Unspecified Mills	1916	928073
D	260m N	Unspecified Commercial/Industrial	1905	894637



ID	Location	Land Use	Date	Group ID
D	260m N	Unspecified Mills	1923	928073
J	292m NW	Railway Building	1905	878479
J	292m NW	Railway Building	1923	892827
3	298m NE	Sand Pit	1851	797576
D	307m NW	Railway Building	1938	911580
D	307m NW	Railway Building	1932	911580
L	309m W	Fustian Mills	1851	806839
L	312m NW	Docks	1938	930741
L	312m NW	Docks	1932	930741
L	312m NW	Docks	1916	930741
L	312m NW	Docks	1905	930741
L	312m NW	Railway Sidings	1938	908250
L	312m NW	Railway Sidings	1932	908250
L	312m NW	Railway Sidings	1916	908250
L	312m NW	Railway Sidings	1905	908250
L	312m NW	Railway Sidings	1923	908250
L	312m NW	Docks	1923	930741
L	314m W	Unspecified Mills	1938	882675
L	314m W	Unspecified Mills	1932	882675
L	314m W	Unspecified Mills	1916	882675
L	314m W	Unspecified Commercial/Industrial	1905	796716
L	314m W	Unspecified Mills	1923	882675
M	320m SW	Chair Works	1916	961580
M	323m SW	Chair Works	1923	961580
N	326m NW	Railway Sidings	1971	927627
N	326m NW	Docks	1971	847093
N	326m NW	Railway Sidings	1956	945210
N	326m NW	Docks	1956	847093



ID	Location	Land Use	Date	Group ID
N	326m NW	Docks	1988	876412
D	328m N	Railway Buildings	1923	833632
N	332m NW	Railway Sidings	1896	986088
N	332m NW	Docks	1896	887061
D	333m N	Railway Building	1938	845151
D	333m N	Railway Building	1932	845151
D	340m N	Railway Building	1938	920704
D	340m N	Railway Building	1932	920704
Q	366m N	Unspecified Wharves	1938	937403
Q	366m N	Unspecified Wharves	1932	937403
Q	366m N	Unspecified Wharves	1916	881666
Q	366m N	Unspecified Wharves	1905	881666
R	376m NW	Unspecified Commercial/Industrial	1938	846750
R	376m NW	Unspecified Commercial/Industrial	1932	846750
R	376m NW	Iron Works	1916	873229
R	376m NW	Unspecified Commercial/Industrial	1905	870019
R	376m NW	Iron Works	1923	873229
D	377m N	Railway Building	1923	820273
R	381m NW	Unspecified Commercial/Industrial	1971	941987
R	381m NW	Unspecified Commercial/Industrial	1956	941987
S	381m N	Unspecified Warehouses	1905	812726
S	381m N	Unspecified Warehouse	1938	867773
S	381m N	Unspecified Warehouse	1932	867773
S	381m N	Unspecified Warehouse	1916	867773
S	381m N	Unspecified Warehouse	1923	867773
D	381m N	Railway Building	1938	912895
D	381m N	Railway Building	1932	912895
T	384m NW	Unspecified Commercial/Industrial	1971	927269



ID	Location	Land Use	Date	Group ID
T	384m NW	Unspecified Commercial/Industrial	1956	927269
T	384m NW	Unspecified Works	1978	830430
R	385m NW	Unspecified Works	1978	830431
S	390m N	Quay	1851	808069
X	399m NW	Dye Works	1938	911990
X	399m NW	Dye Works	1932	911990
X	399m NW	Dye Works	1916	911990
X	399m NW	Dye Works	1905	911990
X	399m NW	Dye Works	1923	911990
X	399m NW	Unspecified Commercial/Industrial	1971	948457
X	399m NW	Unspecified Commercial/Industrial	1956	948457
Y	407m NE	Unspecified Depot	1988	921090
Y	407m NE	Unspecified Depot	1978	853404
Y	407m NE	Unspecified Depot	1985	921090
Y	407m NE	Unspecified Depot	1994	921090
R	419m N	Silk and Cotton Mill	1851	810085
Z	419m W	Unspecified Warehouses	1938	967494
Z	419m W	Unspecified Warehouses	1932	967494
X	419m NW	Unspecified Commercial/Industrial	1896	966213
AA	421m W	Railway Sidings	1938	872906
AA	421m W	Railway Sidings	1932	872906
AA	421m W	Railway Sidings	1916	857474
AA	421m W	Railway Sidings	1905	857474
Y	429m NE	Unspecified Ground Workings	1851	800608
Y	429m NE	Quay	1851	846276
7	430m NE	Gravel Pit	1851	807881
X	431m NW	Dye Works	1851	916137
N	434m W	Docks	1978	928772



ID	Location	Land Use	Date	Group ID
N	434m W	Docks	1994	974950
Y	438m NE	Warehouse	1851	837277
AD	441m NW	Unspecified Works	1988	941424
AD	441m NW	Unspecified Works	1978	845316
AD	441m NW	Unspecified Works	1985	941424
AF	451m NE	Quay	1851	846276
N	453m W	Railway Building	1916	957129
N	454m W	Railway Building	1938	939704
N	454m W	Railway Building	1932	939704
N	477m W	Docks	1985	881463
AF	479m NE	Warehouse	1851	837278
AJ	486m N	Unspecified Commercial/Industrial	1938	919087
AJ	486m N	Unspecified Commercial/Industrial	1932	919087
AJ	486m N	Unspecified Commercial/Industrial	1916	919087
AJ	486m N	Unspecified Commercial/Industrial	1905	980628
AJ	486m N	Unspecified Commercial/Industrial	1923	919087
N	496m W	Chemical Works	1851	834554
Y	497m NE	Unspecified Warehouses	1971	812727
Z	497m W	Sawmill	1851	808363

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

90

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 22 >](#)

ID	Location	Land Use	Date	Group ID
C	153m NE	Unspecified Tank	1891	115662



ID	Location	Land Use	Date	Group ID
C	171m NE	Unspecified Tank	1963	127413
C	171m NE	Unspecified Tank	1963	127413
E	179m NW	Unspecified Tank	1891	115661
C	191m E	Unspecified Tank	1954	126405
C	191m E	Unspecified Tank	1948	126405
C	198m E	Unspecified Tank	1949	135351
F	210m W	Unspecified Tank	1949	144881
D	210m N	Unspecified Tank	1891	115660
F	211m W	Unspecified Tank	1949	144881
F	215m W	Unspecified Tank	1922	129532
F	215m W	Unspecified Tank	1932	129532
H	244m SE	Unspecified Tank	1908	115666
D	247m NW	Unspecified Tank	1997	122775
D	247m NW	Unspecified Tank	1995	122775
D	247m NW	Unspecified Tank	1998	122775
D	247m NW	Unspecified Tank	1995	122775
2	247m N	Unspecified Tank	1891	115659
D	248m NW	Unspecified Tank	1984	122775
D	248m NW	Unspecified Tank	1982	122775
D	248m NW	Unspecified Tank	1982	122775
D	270m N	Unspecified Tank	1908	125058
D	270m N	Unspecified Tank	1893	147499
D	270m N	Unspecified Tank	1922	147499
D	306m N	Unspecified Tank	1949	123558
D	306m N	Unspecified Tank	1948	123558
D	319m NW	Unspecified Tank	1954	128267
D	319m NW	Unspecified Tank	1963	128267
D	319m NW	Unspecified Tank	1948	128267



ID	Location	Land Use	Date	Group ID
D	319m NW	Unspecified Tank	1963	128267
D	319m NW	Unspecified Tank	1949	128267
D	336m N	Tanks	1954	149178
D	336m N	Tanks	1977	149178
D	336m N	Tanks	1963	149178
D	336m N	Tanks	1948	149178
D	337m N	Tanks	1984	149178
D	337m N	Tanks	1982	149178
D	337m N	Tanks	1982	149178
D	337m N	Tanks	1949	140617
D	337m N	Tanks	1995	149178
D	337m N	Tanks	1998	149178
D	337m N	Tanks	1995	149178
4	341m W	Unspecified Tank	1891	115667
L	342m W	Tanks	1891	107103
5	347m E	Unspecified Tank	1891	115663
6	377m NW	Unspecified Tank	1891	115656
W	395m NE	Unspecified Tank	1997	132953
W	395m NE	Unspecified Tank	1995	132953
W	395m NE	Unspecified Tank	1998	132953
W	395m NE	Unspecified Tank	1995	132953
R	397m NW	Unspecified Tank	1891	115650
L	400m W	Tanks	1949	136730
L	400m W	Tanks	1949	126050
L	401m W	Tanks	1949	107131
R	403m NW	Unspecified Tank	1891	115655
R	409m NW	Unspecified Tank	1891	115653
R	410m NW	Unspecified Tank	1891	115651



ID	Location	Land Use	Date	Group ID
R	413m NW	Unspecified Tank	1891	115654
L	415m W	Unspecified Tank	1949	127948
L	415m W	Unspecified Tank	1949	134601
R	415m NW	Unspecified Tank	1891	115652
L	416m W	Tanks	1949	140346
L	418m W	Tanks	1949	143406
L	419m W	Tanks	1949	143406
L	420m W	Tanks	1949	141041
Q	422m NE	Tanks	1963	148559
Q	422m NE	Tanks	1963	148559
AB	423m NW	Tanks	1891	107128
L	425m W	Tanks	1932	107135
L	426m W	Tanks	1932	141612
AC	434m S	Tanks	1949	129284
AC	438m S	Tanks	1954	145220
AC	438m S	Tanks	1971	145220
AC	438m S	Tanks	1949	145220
AC	438m S	Tanks	1964	145220
AB	459m NW	Unspecified Tank	1891	115657
AE	461m NE	Unspecified Tank	1960	123914
AE	461m NE	Unspecified Tank	1969	143958
AE	461m NE	Unspecified Tank	1963	141829
AE	462m NE	Unspecified Tank	1980	132153
AE	462m NE	Unspecified Tank	1980	143849
N	482m W	Unspecified Tank	1994	145679
N	482m W	Unspecified Tank	1995	145679
AB	484m NW	Unspecified Tank	1963	140444
AB	484m NW	Unspecified Tank	1963	140444



ID	Location	Land Use	Date	Group ID
AB	484m NW	Unspecified Tank	1977	140444
AB	485m NW	Unspecified Tank	1982	140444
AB	500m NW	Tanks	1963	138147
AB	500m NW	Unspecified Tank	1963	134128
AB	500m NW	Unspecified Tank	1977	134128

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	81
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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 22 >](#)

ID	Location	Land Use	Date	Group ID
F	193m W	Electricity Substation	1997	84066
F	193m W	Electricity Substation	1995	84066
F	193m W	Electricity Substation	1998	84066
F	193m W	Electricity Substation	1995	84066
F	193m W	Electricity Substation	1977	84066
G	193m E	Electricity Substation	1997	83750
G	193m E	Electricity Substation	1995	83750
G	193m E	Electricity Substation	1998	83750
F	193m W	Electricity Substation	1984	80985
F	193m W	Electricity Substation	1982	80985
F	193m W	Electricity Substation	1982	80985
G	195m E	Electricity Substation	1995	68671
G	196m E	Electricity Substation	1984	68671
G	196m E	Electricity Substation	1982	68671
G	196m E	Electricity Substation	1982	68671



ID	Location	Land Use	Date	Group ID
C	217m NE	Electricity Substation	1984	77866
C	217m NE	Electricity Substation	1982	77866
C	217m NE	Electricity Substation	1982	77866
C	217m NE	Electricity Substation	1997	77866
C	217m NE	Electricity Substation	1995	77866
C	217m NE	Electricity Substation	1998	77866
C	217m NE	Electricity Substation	1995	77866
C	218m NE	Electricity Substation	1977	77866
H	228m SE	Electricity Substation	1986	80495
H	228m SE	Electricity Substation	1949	80495
H	228m SE	Electricity Substation	1954	80495
H	228m SE	Electricity Substation	1949	80495
H	229m SE	Electricity Substation	1994	78425
H	229m SE	Electricity Substation	1993	78425
H	229m SE	Electricity Substation	1995	78425
H	229m SE	Electricity Substation	1993	78425
H	229m SE	Electricity Substation	1995	78425
H	229m SE	Electricity Substation	1971	82567
H	229m SE	Electricity Substation	1988	78415
D	272m N	Electricity Substation	1949	73349
D	272m N	Electricity Substation	1948	73349
K	294m E	Electricity Substation	1995	71174
K	294m E	Electricity Substation	1997	71174
K	294m E	Electricity Substation	1995	71174
K	294m E	Electricity Substation	1997	71174
K	295m E	Electricity Substation	1980	71174
K	295m E	Electricity Substation	1980	71174
K	295m E	Electricity Substation	1990	71174



ID	Location	Land Use	Date	Group ID
K	295m E	Electricity Substation	1969	71174
P	357m SE	Electricity Substation	1994	79599
P	357m SE	Electricity Substation	1993	79599
P	357m SE	Electricity Substation	1995	79599
P	357m SE	Electricity Substation	1993	79599
P	357m SE	Electricity Substation	1995	79599
P	369m SE	Electricity Substation	1986	72217
P	370m SE	Electricity Substation	1971	76547
P	370m SE	Electricity Substation	1988	76547
AE	450m NE	Electricity Substation	1995	72564
AE	450m NE	Electricity Substation	1997	72564
AE	450m NE	Electricity Substation	1995	72564
AE	450m NE	Electricity Substation	1997	72564
AG	455m SW	Electricity Substation	1981	80196
AG	455m SW	Electricity Substation	1989	80196
AG	455m SW	Electricity Substation	1994	80196
AG	455m SW	Electricity Substation	1995	80196
AG	455m SW	Electricity Substation	1995	80196
AG	455m SW	Electricity Substation	1969	80196
AI	484m S	Electricity Substation	1986	79190
AI	484m S	Electricity Substation	1988	79190
AI	484m S	Electricity Substation	1971	81359
AI	486m S	Electricity Substation	1994	79190
AI	486m S	Electricity Substation	1993	79190
AI	486m S	Electricity Substation	1995	79190
AI	486m S	Electricity Substation	1993	79190
AI	486m S	Electricity Substation	1995	79190
AK	491m E	Electricity Substation	1997	65434



ID	Location	Land Use	Date	Group ID
AK	491m E	Electricity Substation	1997	65434
AL	495m N	Electricity Substation	1990	78864
AL	495m N	Electricity Substation	1990	78864
AL	496m N	Electricity Substation	1980	78864
AL	497m N	Electricity Substation	1995	78864
AL	497m N	Electricity Substation	1994	78864
AL	497m N	Electricity Substation	1993	78864
AL	497m N	Electricity Substation	1997	78864
AL	497m N	Electricity Substation	1995	78864
AL	497m N	Electricity Substation	1992	78864

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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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	38
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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 22 >](#)

ID	Location	Land Use	Date	Group ID
E	170m NW	Garage	1948	20266
I	236m SW	Garage	1989	26995
I	236m SW	Garage	1995	26995



ID	Location	Land Use	Date	Group ID
I	236m SW	Garage	1995	26995
I	236m SW	Garage	1994	26995
D	239m NW	Omnibus Garage	1977	21743
D	239m NW	Bus Garage	1984	27058
D	239m NW	Bus Garage	1982	27058
D	239m NW	Bus Garage	1982	27058
D	283m NW	Omnibus Garage	1963	25395
D	283m NW	Omnibus Garage	1949	25395
D	284m NW	Omnibus Garage	1954	24746
D	284m NW	Omnibus Garage	1963	24746
D	284m NW	Omnibus Garage	1948	24746
O	347m E	Garage	1960	27867
O	347m E	Garage	1959	22973
O	347m E	Garage	1979	27867
O	347m E	Garage	1963	27867
U	384m S	Garage	1986	23167
V	385m SW	Garage	1989	20712
U	388m S	Garage	1971	27505
U	388m S	Garage	1988	27505
U	389m S	Garage	1995	27505
U	389m S	Garage	1993	27505
U	389m S	Garage	1995	27505
U	389m S	Garage	1994	27505
U	389m S	Garage	1993	27505
V	391m SW	Garage	1995	26022
V	391m SW	Garage	1995	26022
V	391m SW	Garage	1994	26022
N	410m W	Garage	1995	24344

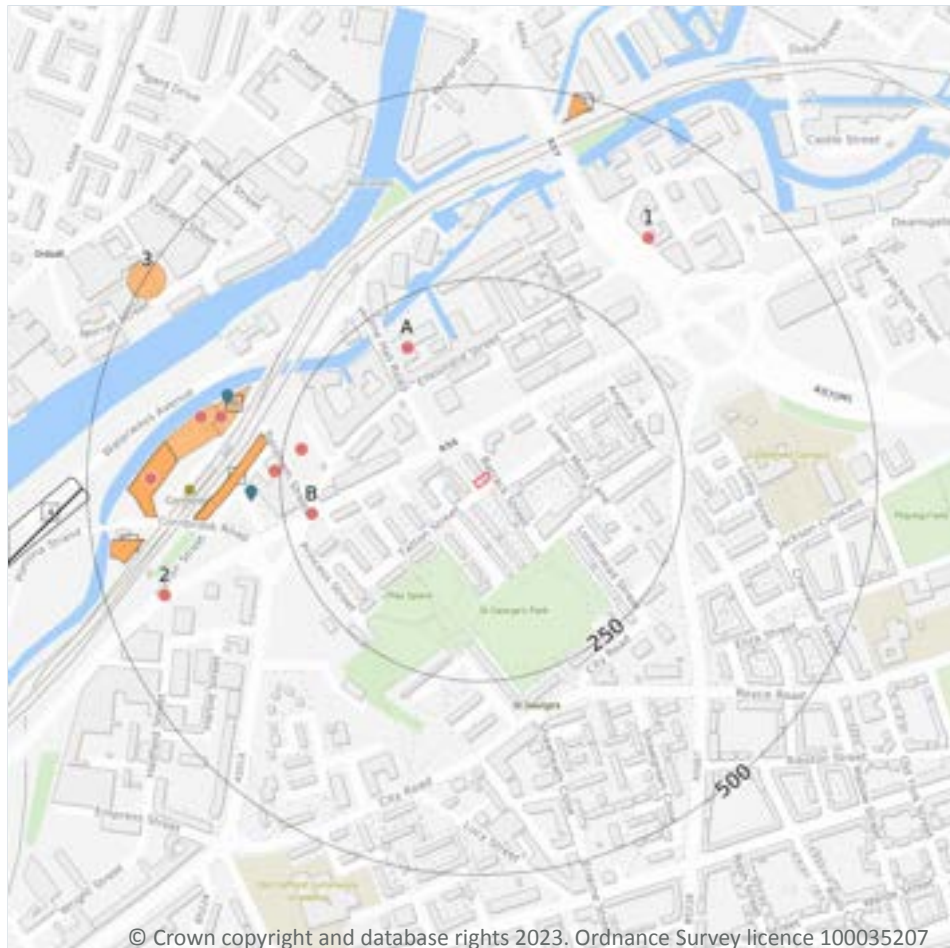


ID	Location	Land Use	Date	Group ID
N	410m W	Garage	1995	24344
N	410m W	Garage	1994	24344
AC	444m S	Garage	1995	22525
AC	444m S	Garage	1995	23863
AC	447m S	Garage	1994	22081
AH	463m N	Garage	1980	27283
AH	464m N	Garage	1978	27283

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 37 >](#)

ID	Location	Details		
4	498m W	Site Address: Pomona Dock No 1, Pomona Dock Estate, Off Trafford Road, Stretford Licence Holder Address: Port of Manchester, Ship Canal House, King Street, Manchester	Waste Licence: Yes Site Reference: RD/LIC/036/76, H028, F039 Waste Type: Inert, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 21/03/1978 Licence Surrender: -	Operator: Manchester Ship Canal Company Licence Holder: Manchester Ship Canal Company First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

20

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 37 >](#)

ID	Location	Address	Further Details	Date
C	272m W	Site Address: N/A	Type of Site: Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982



ID	Location	Address	Further Details	Date
C	272m W	Site Address: N/A	Type of Site: Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
C	272m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
C	272m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
C	272m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1998
C	272m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
D	313m W	Site Address: N/A	Type of Site: Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
D	334m W	Site Address: N/A	Type of Site: Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
E	383m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
E	384m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993



ID	Location	Address	Further Details	Date
E	384m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
E	384m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1998
E	384m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
F	431m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
F	431m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
F	431m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
F	433m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
G	461m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
G	463m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995



ID	Location	Address	Further Details	Date
3	472m NW	Site Address: Unit 9, Worrall Street, SALFORD, Greater Manchester, M5 4TH	Type of Site: Waste Transfer Station (Cou) Planning application reference: 94/32143/TPDC Description: An application (ref: 94/32143/TPDC) for Detailed Planning permission was submitted to Salford C.C. on 17th January 1994. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	3
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 37 >](#)

ID	Location	Details		
C	289m W	Site Name: Afos Car Dismantlers Site Address: Afos Car Dismantlers, Dinton Street, Cornbrook, Manchester, M15 4WA Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WSK001 EPR reference: EA/EPR/TP3994CZ/V002 Operator: Mr Arthur Kirk And Mr Wilfred Smith Waste Management licence No: 50325 Annual Tonnage: 2499	Issue Date: 19/05/2005 Effective Date: - Modified: 29/07/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	289m W	Site Name: Afos Car Dismantlers Site Address: Land/premises At, Dinton Street, Cornbrook, Manchester, M15 4WA Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WSK001 EPR reference: EA/EPR/TP3994CZ/A001 Operator: Wilfred Smith & Arthur Kirk Waste Management licence No: 50325 Annual Tonnage: 2500	Issue Date: 19/05/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	337m W	Site Name: Bennett Bros (metals) Recycling Site Address: Land/premises At, Trentham Street, Cornbrook, Manchester, M15 4LW Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BEN006 EPR reference: EA/EPR/LP3294CE/A001 Operator: P A Bennett, B Bennett, R J Bennett, J A Pesticcio Waste Management licence No: 50251 Annual Tonnage: 2500	Issue Date: 16/07/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	29
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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 37 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	191m NW	Former Excelsior Mill, Hulme Hall Road, Manchester, M15 4LA	WEX125363	Treating waste exemption	Not on a farm	Screening and blending of waste
A	191m NW	Former Excelsior Mill, Hulme Hall Road, Manchester, M15 4LA	WEX125363	Using waste exemption	Not on a farm	Use of waste in construction
B	214m W	Bennett Bros Metals Recycling, Pomona Works, Trentham Street, Manchester, M15 4LW	WEX240967	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	214m W	Bennett Bros Metals Recycling, Pomona Works, Trentham Street, Manchester, M15 4LW	WEX240967	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	214m W	Bennett Bros Metals Recycling, Pomona Works, Trentham Street, Manchester, M15 4LW	WEX240967	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	228m W	-	WEX272245	Using waste exemption	Not on a farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
C	228m W	-	WEX108690	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	228m W	-	WEX108690	Using waste exemption	Not on a farm	Use of waste in construction
C	258m W	Bennett Bros Metals Recycling, Pomona Works, Trentham Street, Manchester, M15 4LW	WEX097923	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	258m W	Bennett Bros Metals Recycling, Pomona Works, Trentham Street, Manchester, M15 4LW	WEX097923	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	258m W	Bennett Bros Metals Recycling, Pomona Works, Trentham Street, Manchester, M15 4LW	WEX097923	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	338m W	Pomona Works Trentham Street Manchester Lancashire M15 4LW	EPR/UF0835Y G/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
D	338m W	Pomona Works Trentham Street Manchester Lancashire M15 4LW	EPR/UF0835Y G/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
D	338m W	Pomona Works Trentham Street Manchester Lancashire M15 4LW	EPR/UF0835Y G/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
D	363m W	CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX288140	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
D	363m W	CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX288140	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	363m W	CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX288140	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	363m W	CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX318103	Treating waste exemption	Not on a Farm	Recovery of scrap metal
1	367m NE	CITYGATE CENTRAL, UNIT 2, BLANTYRE STREET, MANCHESTER, M15 4SQ	WEX228851	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	418m W	Bennett Bros Metals Recycling, CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX288124	Storing waste exemption	Not on a farm	Storage of waste in a secure place

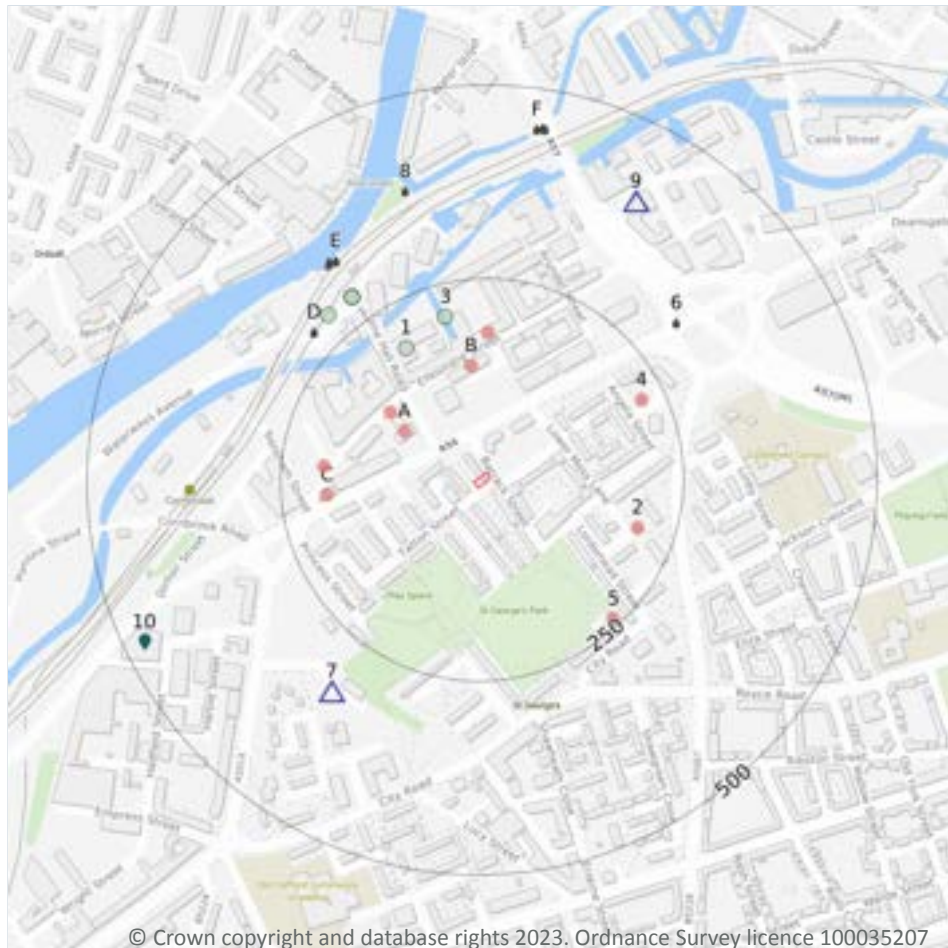


ID	Location	Site	Reference	Category	Sub-Category	Description
E	418m W	Bennett Bros Metals Recycling, CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX288124	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	418m W	Bennett Bros Metals Recycling, CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX288124	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	418m W	Bennett Bros Metals Recycling, CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX150752	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	418m W	Bennett Bros Metals Recycling, CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX150752	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	418m W	Bennett Bros Metals Recycling, CORNBROOK ROAD, MANCHESTER, M15 4WB	WEX150752	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	418m W	Bennett Bros. Metals Recycling Cornbrook Road Manchester Lancashire M15 4WB	EPR/WF0901N Z/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
E	418m W	Bennett Bros. Metals Recycling Cornbrook Road Manchester Lancashire M15 4WB	EPR/WF0901N Z/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
E	418m W	Bennett Bros. Metals Recycling Cornbrook Road Manchester Lancashire M15 4WB	EPR/WF0901N Z/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
2	426m W	PARK INDUSTRIAL ESTATE, LIVERPOOL ROAD, ASHTON-IN-MAKERFIELD, WIGAN, WN4 0YU	WEX094313	Treating waste exemption	Not on a farm	Screening and blending of waste

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

9

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 45 >](#)

ID	Location	Company	Address	Activity	Category
A	111m NW	National Tyres and Autocare	200, Chester Road, Manchester, Greater Manchester, M15 4LZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	139m N	Works	Greater Manchester, M15	Unspecified Works Or Factories	Industrial Features



ID	Location	Company	Address	Activity	Category
A	141m NW	Electricity Sub Station	Greater Manchester, M15	Electrical Features	Infrastructure and Facilities
B	181m N	Vacuum Scientific Services Ltd	44, Ellesmere Street, Manchester, Greater Manchester, M15 4JY	Pumps and Compressors	Industrial Products
C	191m W	Insitu Architectural Salvage	252, Chester Road, Manchester, Greater Manchester, M15 4EX	Clearance and Salvage Dealers	Recycling Services
C	195m W	Electricity Sub Station	Greater Manchester, M15	Electrical Features	Infrastructure and Facilities
2	201m E	Electricity Sub Station	Greater Manchester, M15	Electrical Features	Infrastructure and Facilities
4	220m NE	Electricity Sub Station	Greater Manchester, M15	Electrical Features	Infrastructure and Facilities
5	241m SE	Electricity Sub Station	Greater Manchester, M15	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 45 >](#)

ID	Location	Company	Address	LPG	Status
7	325m SW	OBSOLETE	326, Chester Road, Manchester, Greater Manchester, M16 9EZ	Not Applicable	Obsolete
9	399m NE	OBSOLETE	Dawson Street, Manchester, Greater Manchester, M3 4JZ	Not Applicable	Obsolete

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

1

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 45](#) >

ID	Location	Address	Details	
10	473m SW	Williams Motor Co, 6 Hadfield Street, Cornbrook, Manchester, M16 9FG	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

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

23

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 45](#) >

ID	Location	Address	Details	
D	283m NW	GARAGE AT HULME HALL RD, HULME HALL ROAD, STOCKPORT, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0168/800 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
D	283m NW	GARAGE AT HULME HALL RD, HULME HALL ROAD, STOCKPORT, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0168/800 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 16/04/2002
6	311m NE	MANCUNIAN WAY ROUNDABOUT, MANCHESTER, GREATER MANCHESTER	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: -
E	335m NW	CITY RD CSO 288OV, 204 CITY ROAD, MANCHESTER, M15 5JQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982954 Permit Version: 1 Receiving Water: MANCHESTER SHIP CANAL	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 23/06/1995 Revocation Date: 30/03/2005



ID	Location	Address	Details	
E	335m NW	STRETFORD RD/UPPER MOSS LN JUNC CSO, STRETFORD RD/UPPER MOSS LN JUNC, HULME, MANCHESTER, GREATER MANCHESTER, M15 5JZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0365 Permit Version: 2 Receiving Water: MANCHESTER SHIP CANAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/03/2005 Effective Date: 31/03/2005 Revocation Date: 31/12/2014
E	335m NW	ROLLS CRESCENT/YEW STREET CSO, 39 ROLLS CRESCENT, HULME, MANCHESTER, M15 5FT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982958 Permit Version: 2 Receiving Water: MANCHESTER SHIP CANAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/03/2005 Effective Date: 31/03/2005 Revocation Date: 31/12/2014
E	335m NW	CITY RD CSO 288OV, 204 CITY ROAD, MANCHESTER, M15 5JQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982954 Permit Version: 2 Receiving Water: MANCHESTER SHIP CANAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/03/2005 Effective Date: 31/03/2005 Revocation Date: 31/12/2014
E	335m NW	ROLLS CRESCENT/YEW STREET CSO, 39 ROLLS CRESCENT, HULME, MANCHESTER, M15 5FT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982958 Permit Version: 3 Receiving Water: MANCHESTER SHIP CANAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 29/03/2010 Effective Date: 01/01/2015 Revocation Date: 25/02/2015
E	335m NW	MARPLE ST/ROLLS CRES CSO, HULME, GREATER MANCHESTER, M15 5FT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982958 Permit Version: 1 Receiving Water: MANCHESTER SHIP CANAL	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 08/08/1995 Revocation Date: 30/03/2005
E	337m NW	STRETFORD RD/UPPER MOSS LN JUNC CSO, STRETFORD RD/UPPER MOSS LN JUNC, HULME, MANCHESTER, GREATER MANCHESTER, M15 5JZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0365 Permit Version: 3 Receiving Water: MANCHESTER SHIP CANAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 29/03/2010 Effective Date: 01/01/2015 Revocation Date: 28/03/2021



ID	Location	Address	Details	
E	337m NW	ROLLS CRESCENT/YEW STREET CSO, 39 ROLLS CRESCENT, HULME, MANCHESTER, M15 5FT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982958 Permit Version: 4 Receiving Water: MANCHESTER SHIP CANAL	Status: VARIED UNDER EPR 2010 Issue date: 26/02/2015 Effective Date: 26/02/2015 Revocation Date: 28/03/2021
E	337m NW	CITY RD CSO 288OV, 204 CITY ROAD, MANCHESTER, M15 5JQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982954 Permit Version: 3 Receiving Water: MANCHESTER SHIP CANAL	Status: MODIFIED - (WRA 91 SCHD 10 - AS AMENDED BY ENV ACT 1995) Issue date: 29/03/2010 Effective Date: 01/01/2015 Revocation Date: 01/07/2018
E	337m NW	ROLLS CRESCENT/YEW STREET CSO, 39 ROLLS CRESCENT, HULME, MANCHESTER, M15 5FT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982958 Permit Version: 5 Receiving Water: MANCHESTER SHIP CANAL VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 29/03/2021 Effective Date: 29/03/2021 Revocation Date: -
E	337m NW	STRETFORD RD/UPPER MOSS LN JUNC CSO, STRETFORD RD/UPPER MOSS LN JUNC, HULME, MANCHESTER, GREATER MANCHESTER, M15 5JZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0365 Permit Version: 4 Receiving Water: MANCHESTER SHIP CANAL VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 29/03/2021 Effective Date: 29/03/2021 Revocation Date: -
E	340m NW	CITY RD CSO 288OV, 204 CITY ROAD, MANCHESTER, M15 5JQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982954 Permit Version: 4 Receiving Water: VIA SWS MANCHESTER SHIP CANAL	Status: VARIED UNDER EPR 2010 Issue date: 02/07/2018 Effective Date: 02/07/2018 Revocation Date: -
8	377m N	ST GEORGES ISLAND PROJECTS OFFICE, HULME HALL ROAD, MANCHESTER, M15 4LY	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 016993598 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 14/09/2004 Effective Date: 14/09/2004 Revocation Date: 14/01/2005
F	447m N	EGERTON ST/WORSLEY ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0181 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



ID	Location	Address	Details	
F	448m N	CHESTER RD AT YORK ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982720 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 19/02/1999 Revocation Date: 14/07/2000
F	448m N	CHESTER RD AT YORK ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982720 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 30/09/1994 Revocation Date: 18/02/1999
F	448m N	EGERTON ST/ELESMERE ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0180 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: 12/08/1999
F	448m N	CHESTER RD/YORK ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0279 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: 19/12/1999
F	448m N	EGERTON ST WORSLEY ST CSO, EGERTON ST AND WORSLEY ST, CORNBROOK, A57 M, MANCHESTER, M15 4LG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016983277 Permit Version: 1 Receiving Water: THE RIVER MEDLOCK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 19/02/1999 Effective Date: 01/11/1999 Revocation Date: 31/03/2018
F	449m N	EGERTON ST WORSLEY ST CSO, EGERTON ST AND WORSLEY ST, CORNBROOK, A57 M, MANCHESTER, M15 4LG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016983277 Permit Version: 2 Receiving Water: THE RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 12/03/2018 Effective Date: 01/04/2018 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**6**

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

Features are displayed on the Current industrial land use map on [page 45 >](#)

ID	Location	Details	
1	191m NW	Incident Date: 06/06/2001 Incident Identification: 7808 Pollutant: Sewage Materials Pollutant Description: Process Effluent	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	207m N	Incident Date: 15/03/2001 Incident Identification: 362 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	285m NW	Incident Date: 22/01/2003 Incident Identification: 132648 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	286m NW	Incident Date: 03/08/2001 Incident Identification: 21600 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	286m NW	Incident Date: 03/08/2001 Incident Identification: 21600 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	286m NW	Incident Date: 03/08/2001 Incident Identification: 21600 Pollutant: Specific Waste Materials:Specific Waste Materials Pollutant Description: Tyres:Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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



4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

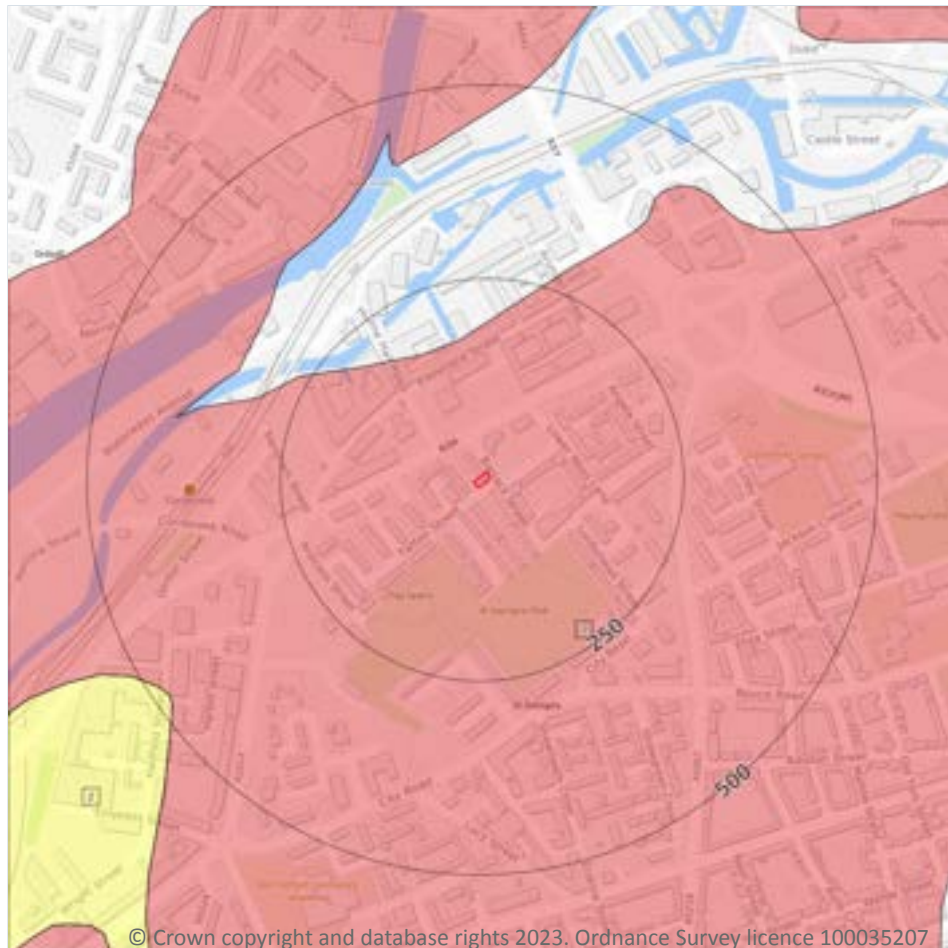
0

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

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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

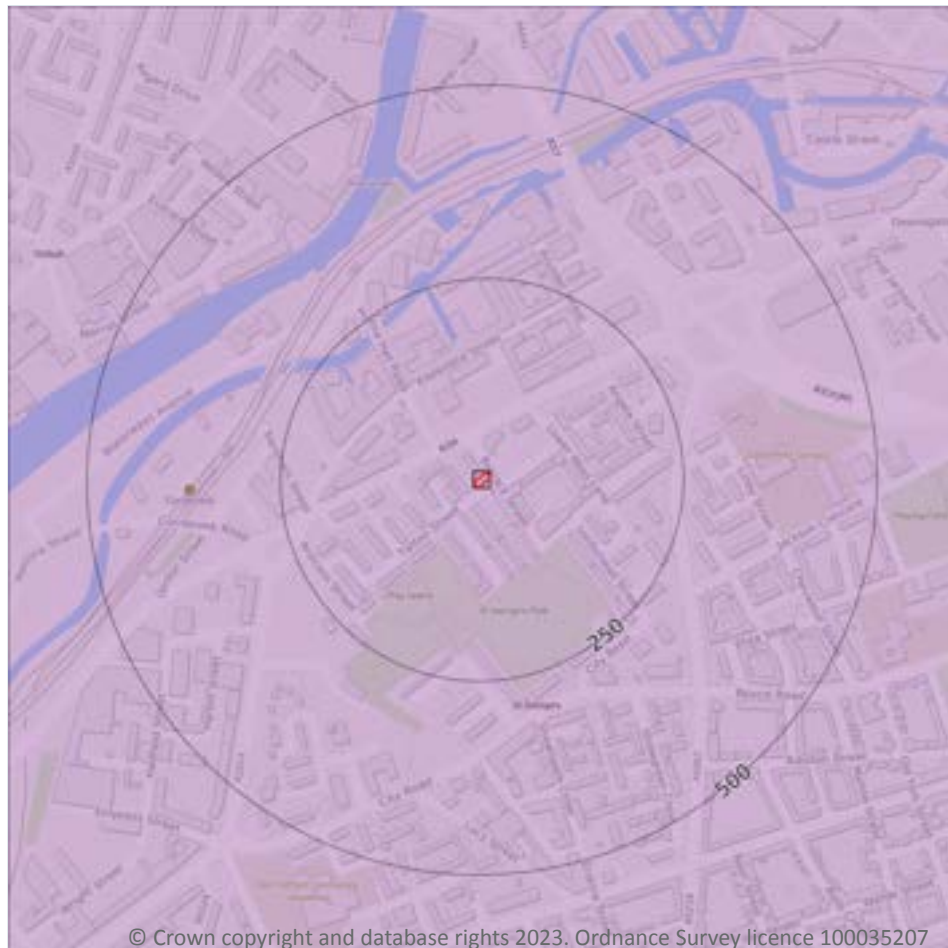
Features are displayed on the Hydrogeology map on [page 56 >](#)

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	480m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

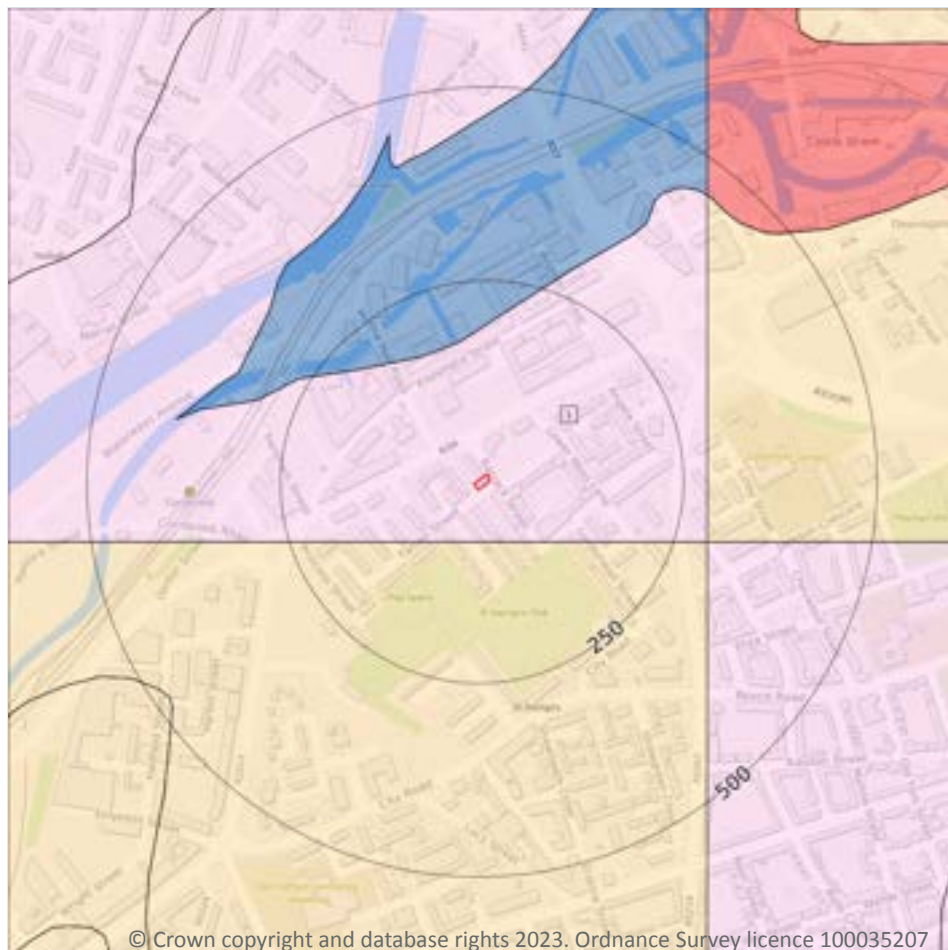
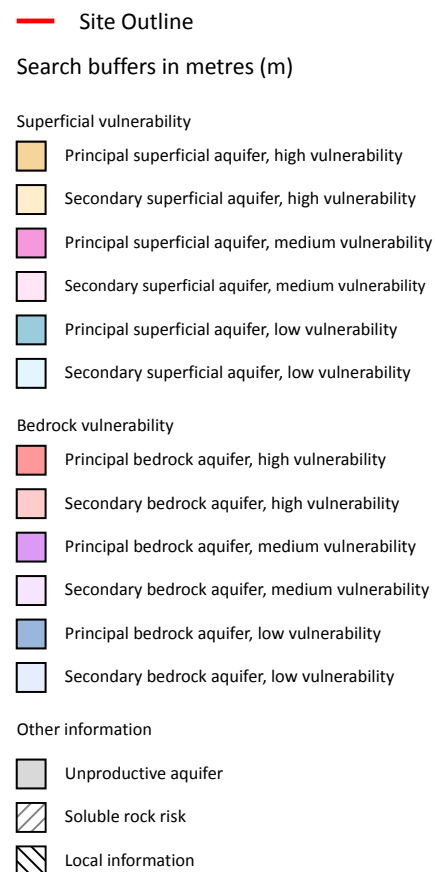
Features are displayed on the Bedrock aquifer map on [page 58](#) >

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

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



Groundwater vulnerability



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 59](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
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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.

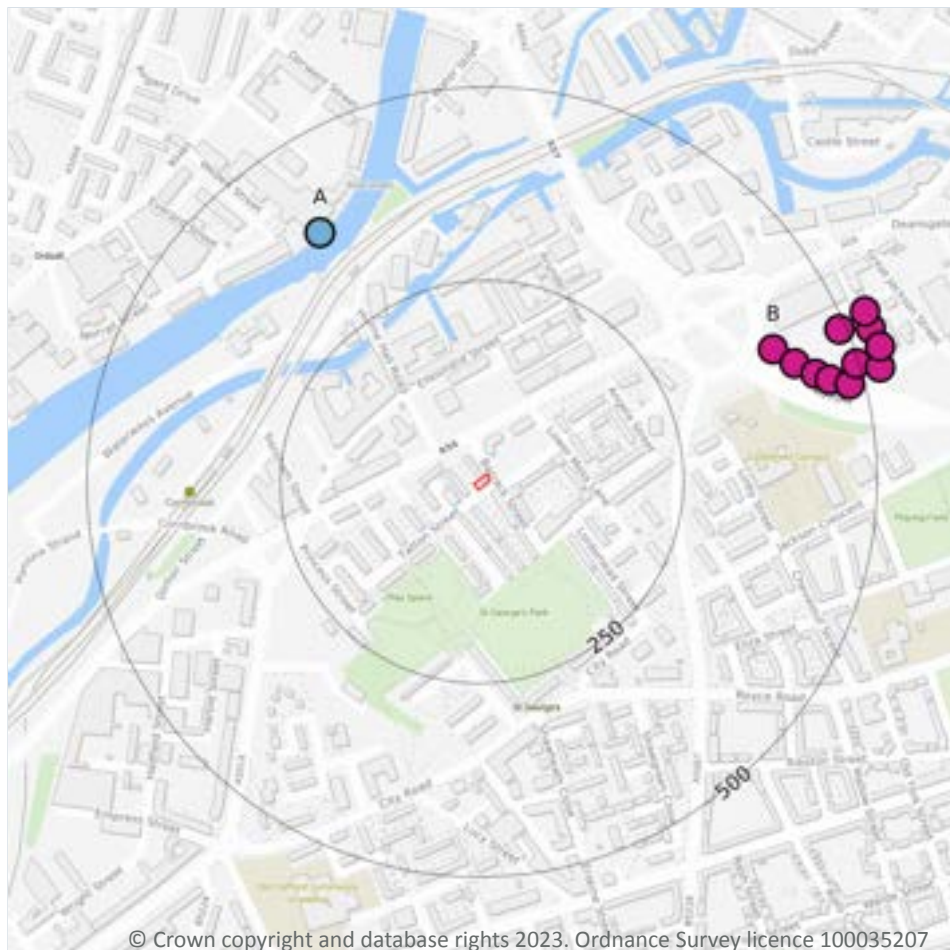
5.5 Groundwater vulnerability- local information

Records on site	0
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

41

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 61](#) >

ID	Location	Details	
B	402m NE	Status: Active 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	420m E	Status: Active 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: -
B	442m E	Status: Active 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: -
B	458m E	Status: Active 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	
B	480m E	Status: Active 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: -
B	491m NE	Status: Active 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: -
B	496m E	Status: Active 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: -
B	524m E	Status: Active 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	
B	528m E	Status: Active 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: -
B	530m NE	Status: Active 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: -
B	532m E	Status: Active 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: -
-	974m N	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	
-	1049m E	Status: Active 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: -
-	1049m E	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): 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: -
-	1161m 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: -
-	1161m 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: -



ID	Location	Details	
-	1223m NE	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: -
-	1321m SE	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: -
-	1321m SE	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: -
-	1321m SE	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	
-	1321m SE	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: -
-	1349m 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: -
-	1349m 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: 21/12/2018 Version End Date: -
-	1460m E	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: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -



ID	Location	Details	
-	1460m E	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: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	1569m SW	Status: Active Licence No: NW/069/0007/017 Details: Dewatering Direct Source: Ground Water - North West Region Point: CORNBROOK PUMPS STATION Data Type: Point Name: Network Rail Limited Easting: 381300 Northing: 396363	Annual Volume (m ³): 63072 Max Daily Volume (m ³): 173 Original Application No: NPS/NA/001808 Original Start Date: 29/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 29/03/2022 Version End Date: -
-	1637m SE	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: -
-	1637m SE	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	
-	1657m 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: -
-	1657m 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: -
-	1668m SE	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: -
-	1668m SE	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: -

ID	Location	Details	
-	1668m SE	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: -
-	1668m SE	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: -
-	1668m SE	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: -
-	1668m SE	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: -



ID	Location	Details	
-	1782m 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: -
-	1782m 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: -
-	1889m NE	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: -
-	1889m NE	Status: Historical Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DIAL HOUSE, CHAPEL ST, SALFORD Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 383700 Northing: 398700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 101 Version Start Date: 01/04/1984 Version End Date: -



ID	Location	Details	
-	1889m NE	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: -

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

5.7 Surface water abstractions

Records within 2000m	6
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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 61](#) >

ID	Location	Details	
A	379m NW	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: -
A	379m NW	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	
-	1161m 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: -
-	1161m 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: -
-	1161m 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: -
-	1828m W	Status: Historical Licence No: 2569007074 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AND DOCKS AT SALFORD QUAYS Data Type: Point Name: PEEL SOUTH EAST LTD Easting: 380900 Northing: 397400	Annual Volume (m ³): 318056 Max Daily Volume (m ³): 3350.40 Original Application No: NPS/WR/036087 Original Start Date: 05/04/1990 Expiry Date: - Issue No: 106 Version Start Date: 02/09/2021 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

0

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

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

4

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 75 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
4	176m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	203m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	227m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Bridgewater Canal
B	235m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Bridgewater Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

2

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 75 >](#)

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 75 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Irwell / Manchester Ship Canal (Irk to confluence with Upper Mers	GB112069061452	Croal Irwell	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 75 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
6	236m NW	Canal	Bridgewater Canal	GB71210001 ↗	Moderate	Fail	Moderate	2019
15	360m NW	River	Irwell / Manchester Ship Canal (Irk to confluence with Upper Mers	GB112069061452 ↗	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 75 >](#)

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

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

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

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

7.2 Historical Flood Events

Records within 250m**0**

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

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

7.3 Flood Defences

Records within 250m**0**

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

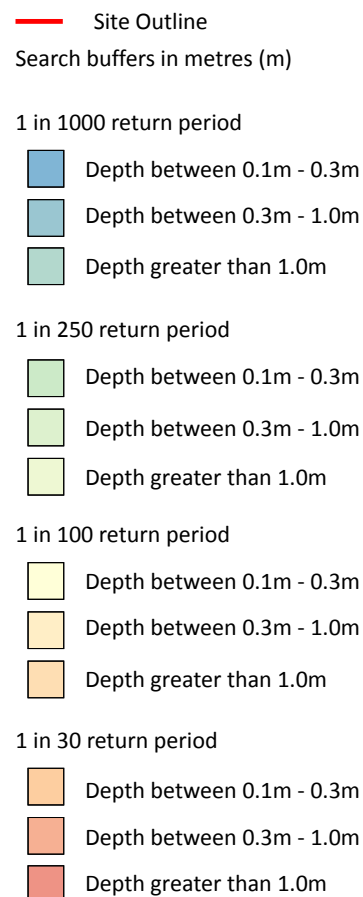
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 1000 year, 0.1m - 0.3m

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

Features are displayed on the Surface water flooding map on [page 81](#) >

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.

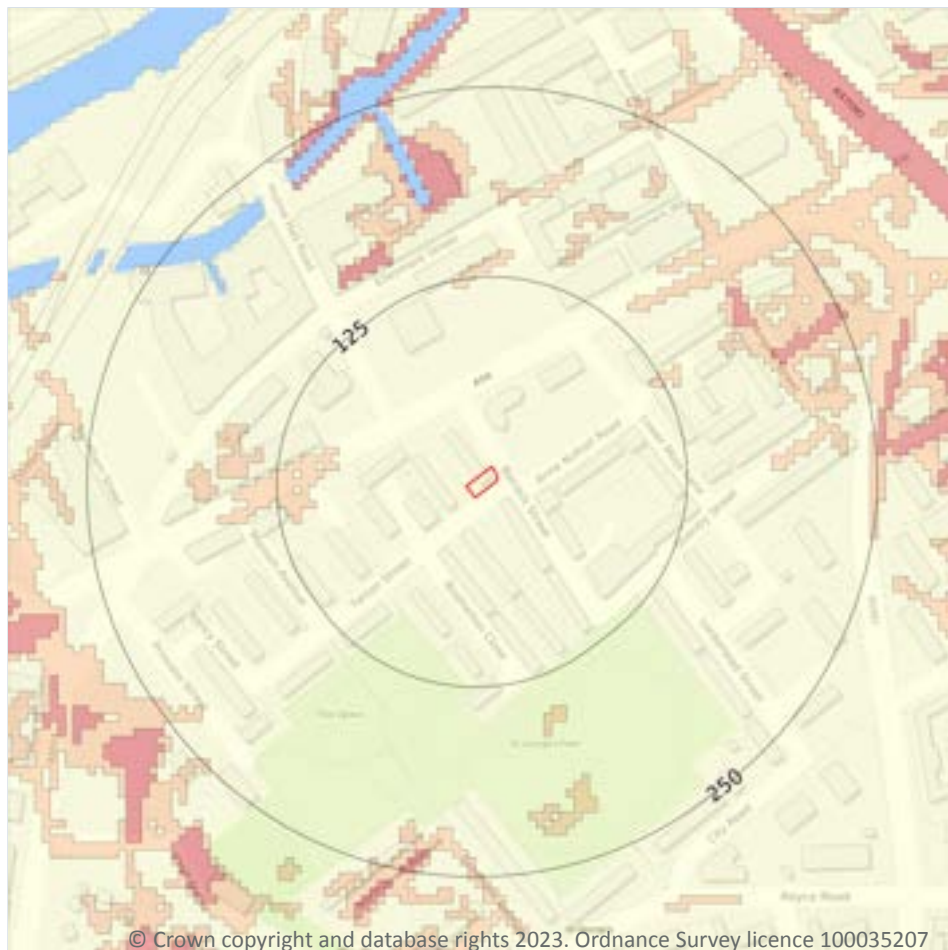
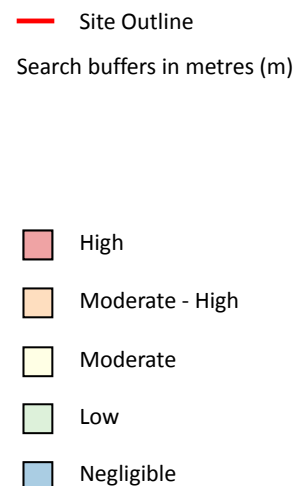
The table below shows the maximum flood depths for a range of return periods for the site.

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 Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate

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

Features are displayed on the Groundwater flooding map on [page 83](#) >

This data is sourced from Ambiantal 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**1**

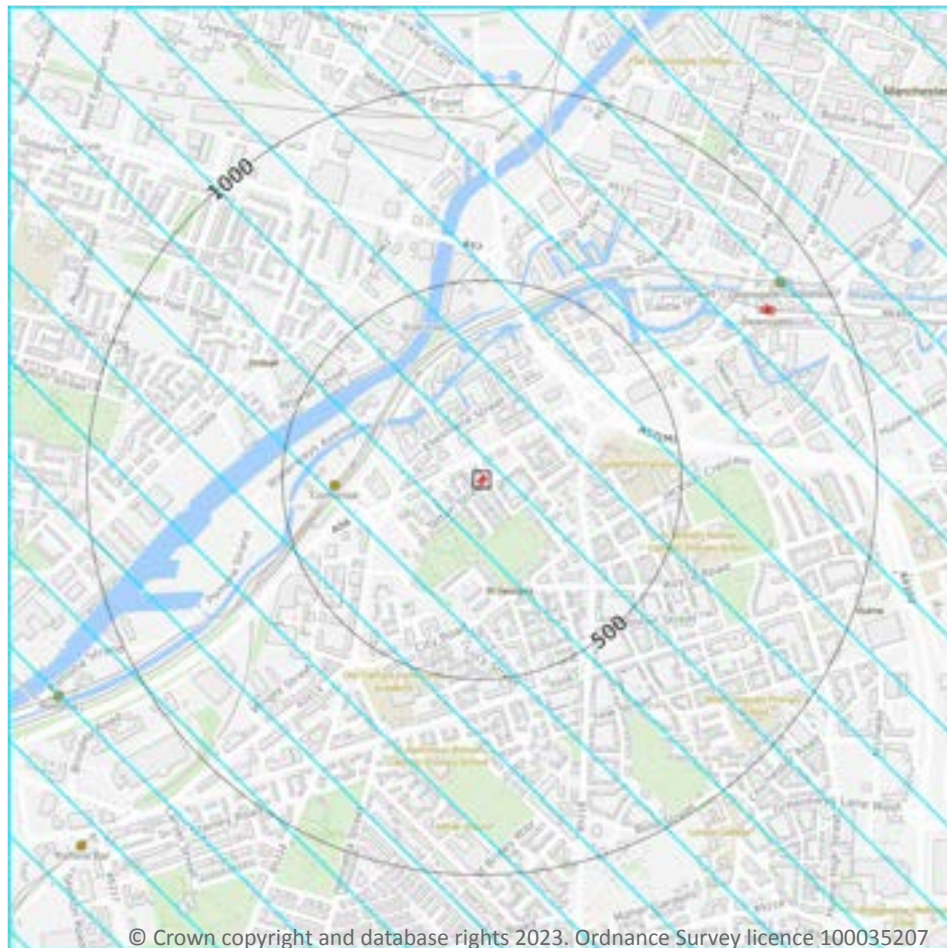
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1218m N	Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ	Surface Water	643	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 88](#) >

ID	Location	Type of developments requiring consultation
1	On site	Air pollution - Livestock & poultry units with floorspace > 500m ² , slurry lagoons & digestate stores > 4000m ² . Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

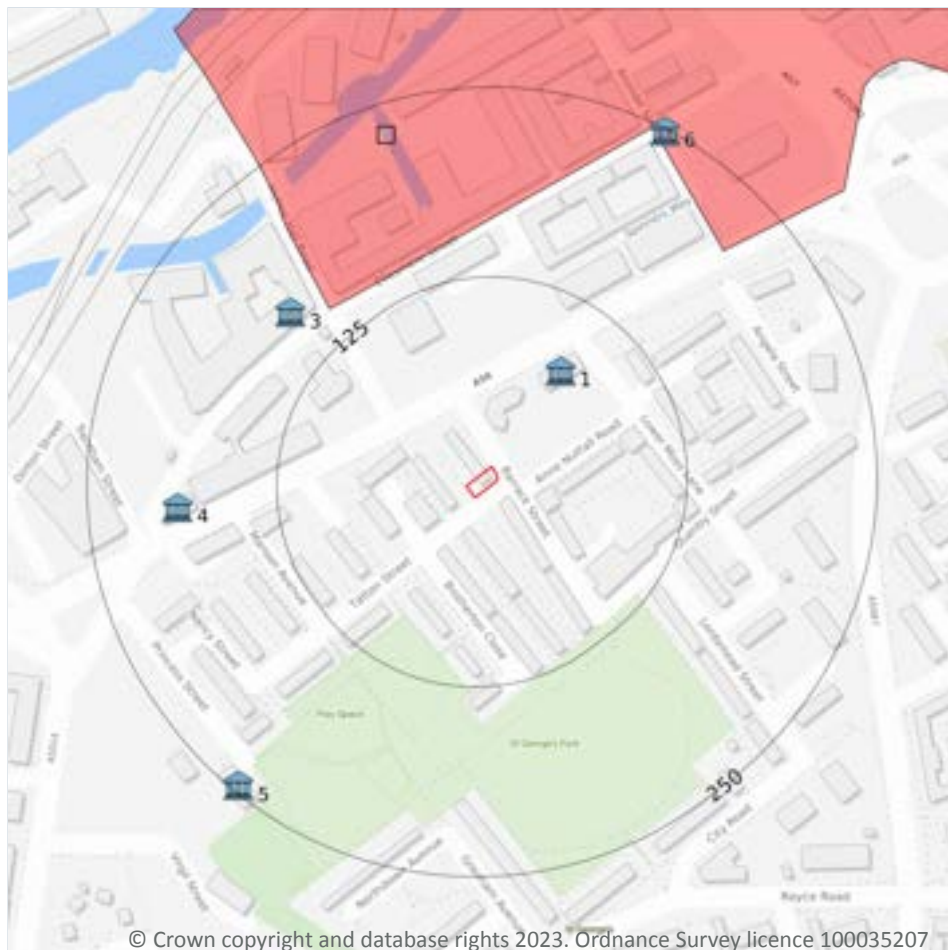
0

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

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



11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

5

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

Features are displayed on the Visual and cultural designations map on [page 90](#) >

ID	Location	Name	Grade	Reference Number	Listed date
1	77m NE	215-219, Chester Road, Hulme, Manchester, M15	II	1208634	03/10/1974
3	163m NW	Former Albert Mill On West Corner of Junction With Ellesmere Street, Hulme, Manchester, M15	II	1200817	06/06/1994
4	191m W	Former Turville Public House, Hulme, Manchester, M15	II	1283069	06/06/1994
5	246m SW	Hulme Barracks, Hulme, Manchester, M15	II	1247392	16/11/1978
6	248m NE	Churchyard Walls, Gate Piers and Gates At Church of St George, Hulme, Manchester, M15	II	1197789	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 90 >](#)

ID	Location	Name	District	Date of designation
2	143m 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

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

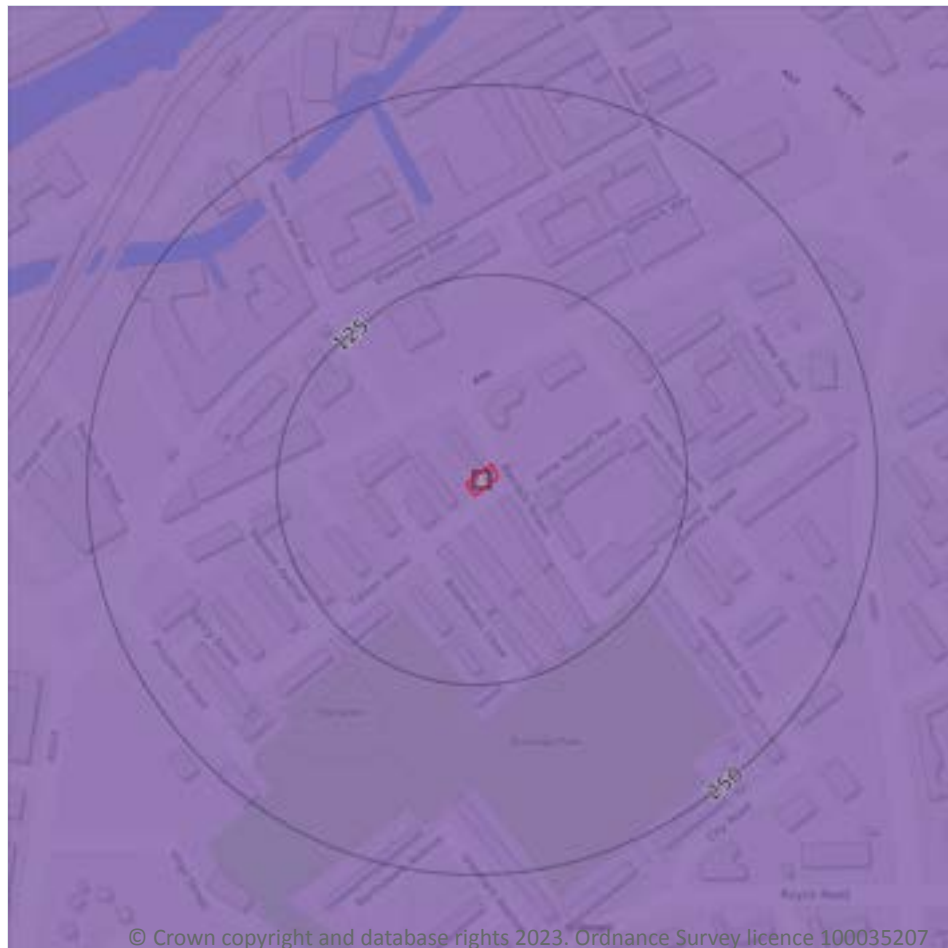
0

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

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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 93](#) >

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

13 Habitat designations



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

13.1 Priority Habitat Inventory

Records within 250m

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

1

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.

Features are displayed on the Habitat designations map on [page 95 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	134m N	NLUD Ref: 421501311	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

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.

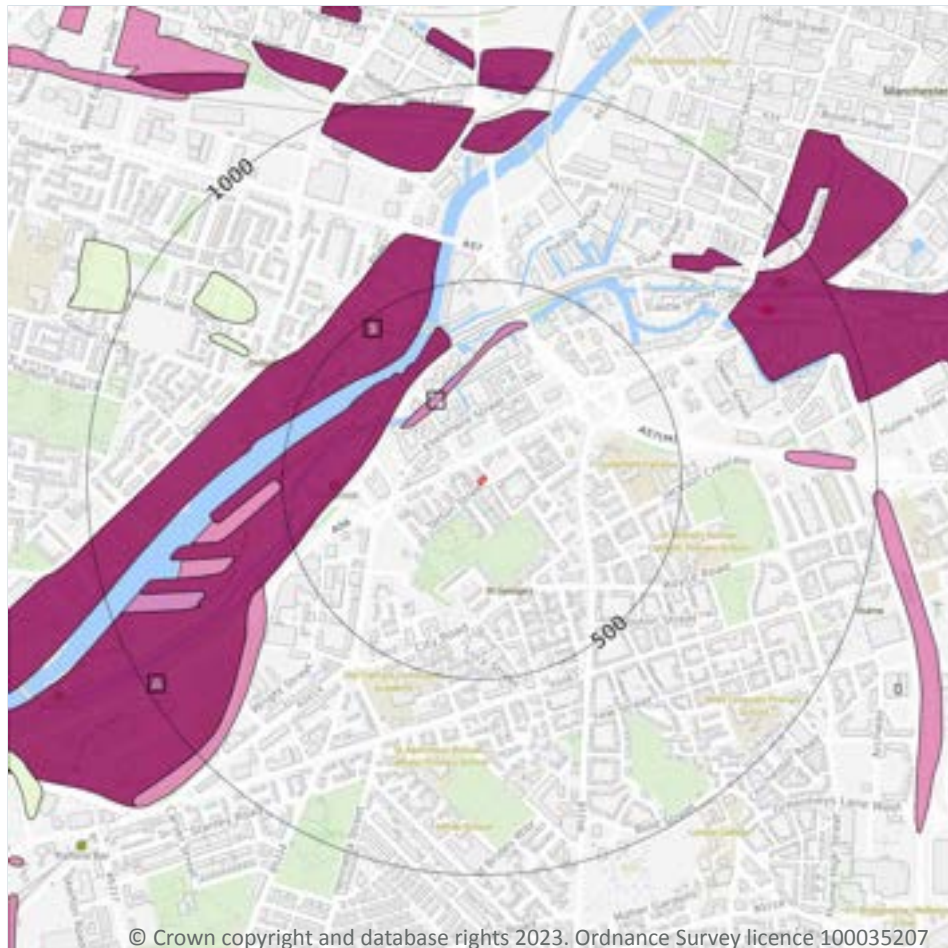
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 97](#) >

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

This data is sourced from the British Geological Survey.



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



— Site Outline
Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m

3

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.

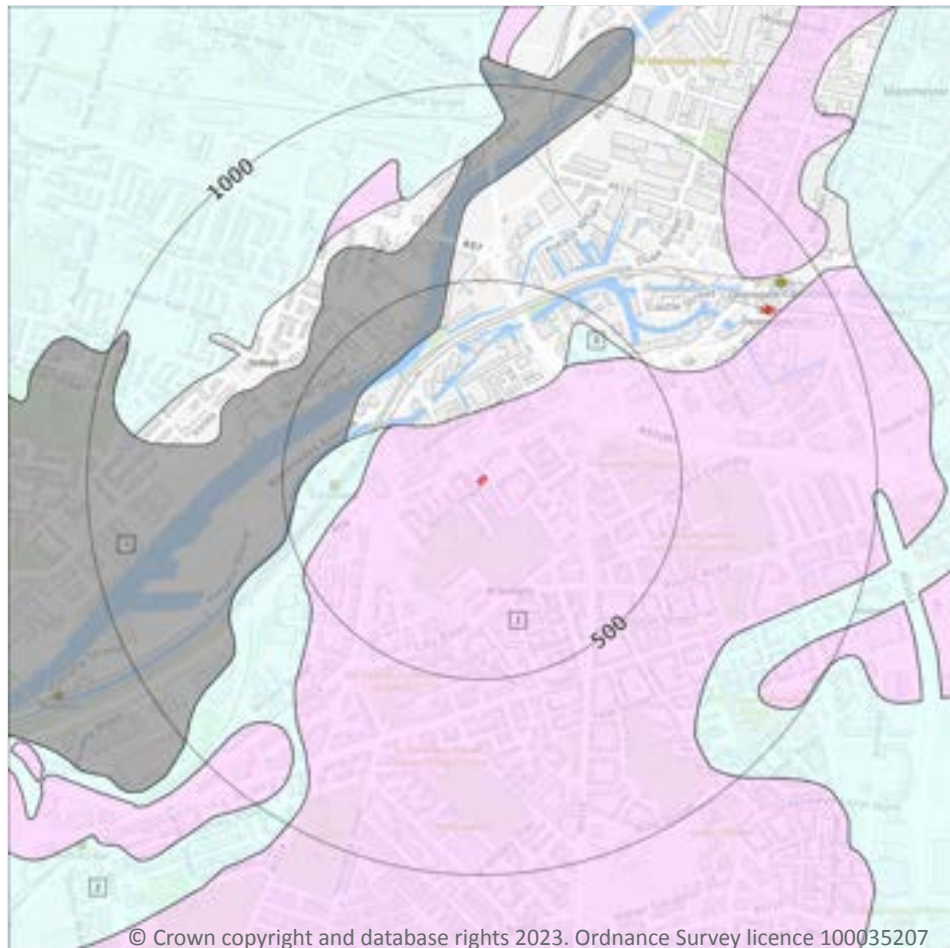
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 98](#) >

ID	Location	LEX Code	Description	Rock description
1	214m NW	WGR-VOID	Worked Ground (Undivided)	Void
A	273m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	373m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



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

14.3 Superficial geology (10k)

Records within 500m

4

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 99](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFSDDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
2	262m NW	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
3	339m NE	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
4	354m W	ALV-XSWCV	Alluvium - Sand With Clay And Gravel	Sand With Clay And Gravel [unlithified Deposits Coding Scheme - Extended]

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

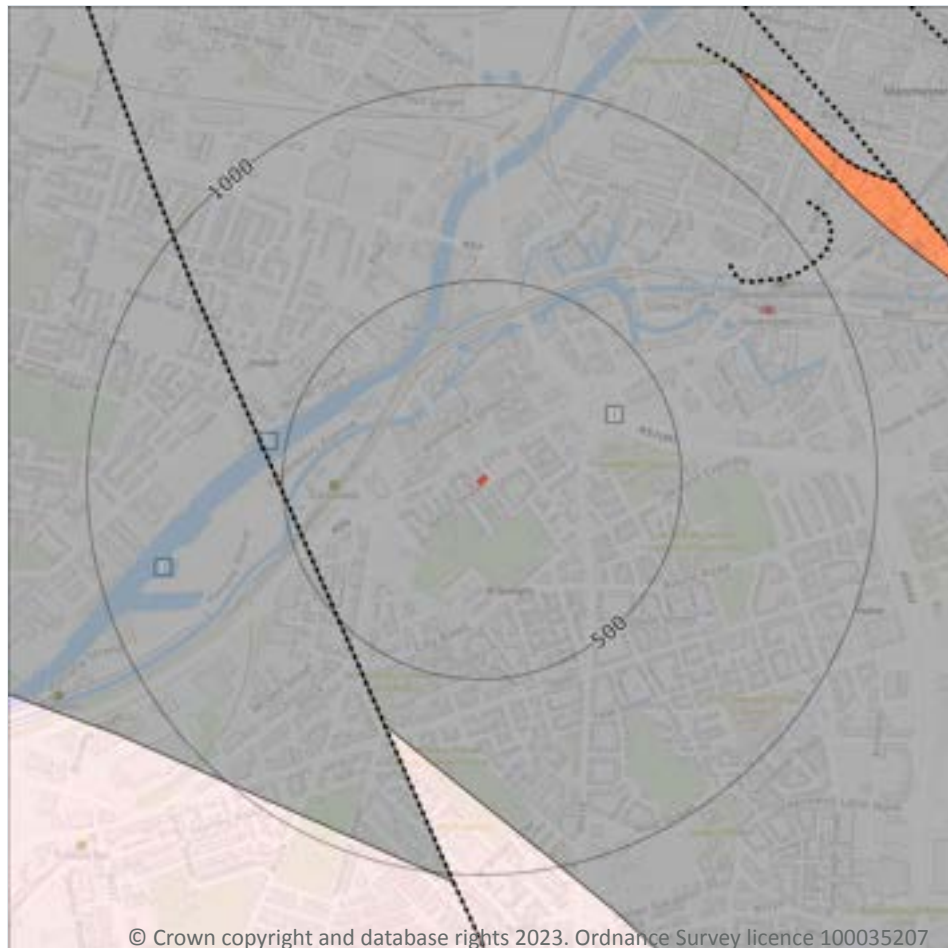
0

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 101](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch
3	469m SW	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

1

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 101](#) >

ID	Location	Category	Description
2	469m SW	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.

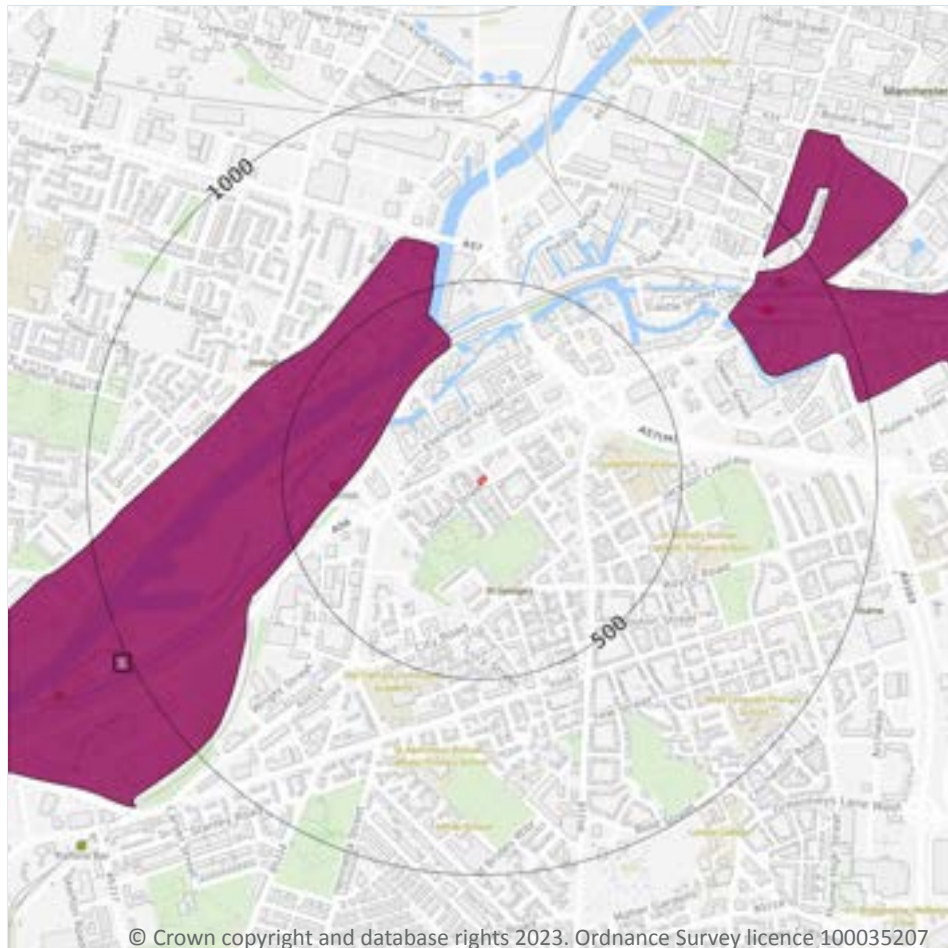
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 103](#) >

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 104](#) >

ID	Location	LEX Code	Description	Rock description
1	273m NW	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

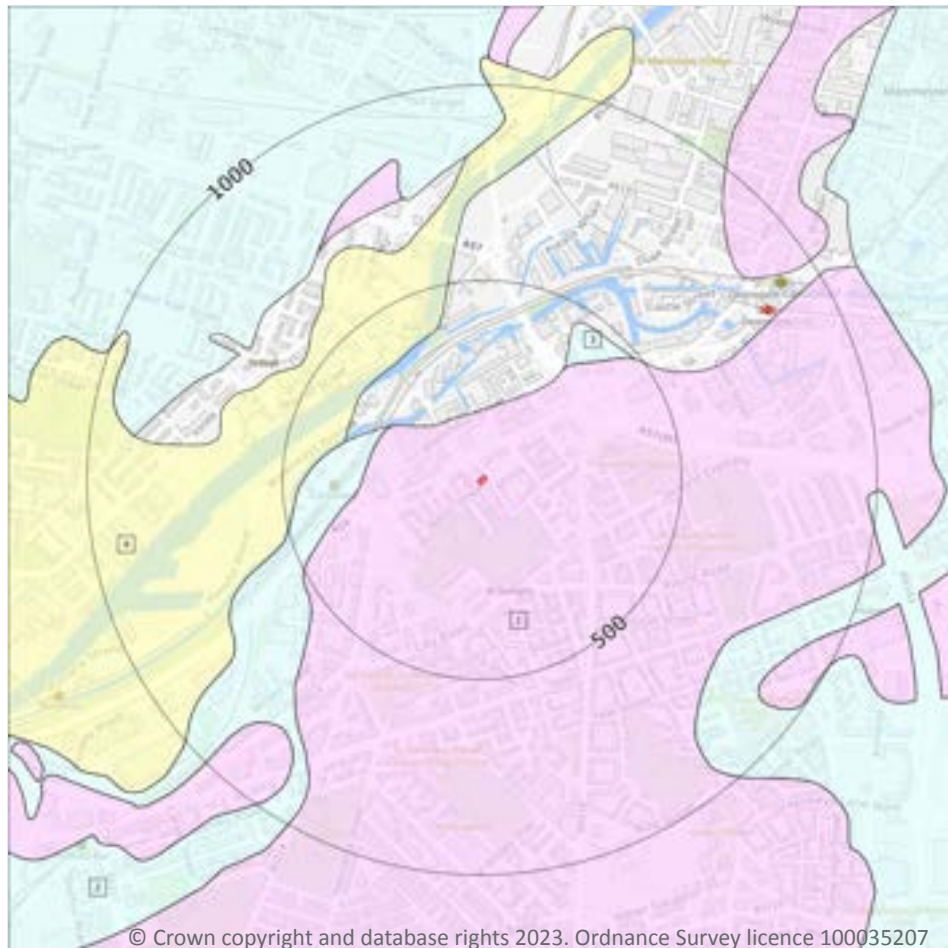
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

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 106](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	262m NW	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	339m NE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
4	355m W	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL



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

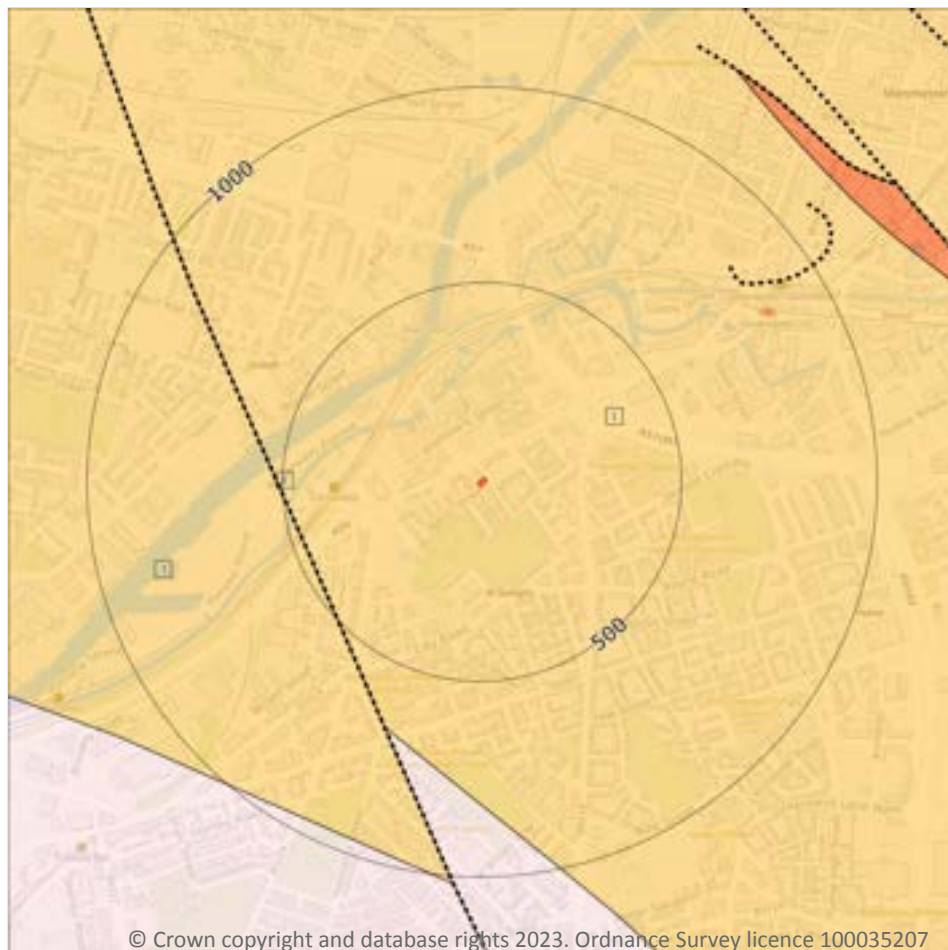
0

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 108 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN
3	470m SW	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

1

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.

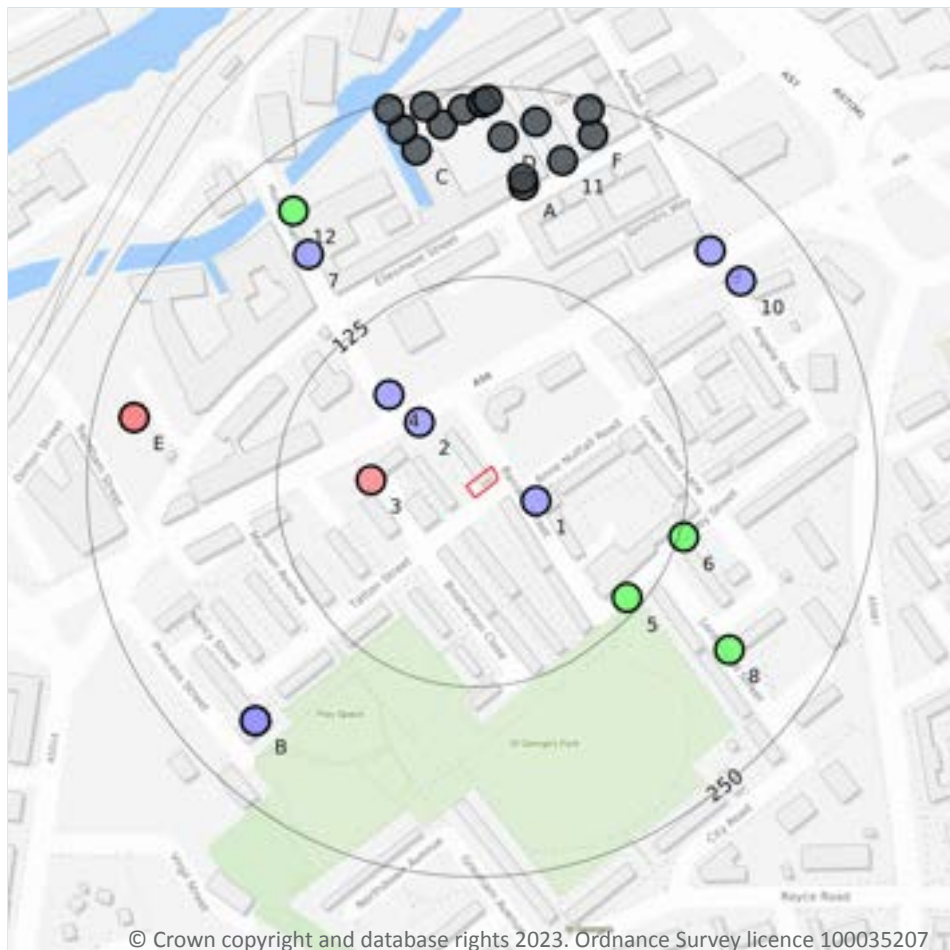
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 108 >](#)

ID	Location	Category	Description
2	468m SW	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

33

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 110](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	29m E	382745 397065	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	9.75	N	1042268 ↗
2	52m NW	382668 397117	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	8.38	N	1042267 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	63m W	382636 397079	W. SUMMER & CO, BULLS HEAD BREWERY	63.7	N	1042386 ↗
4	79m NW	382648 397135	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	8.38	N	1042266 ↗
5	116m SE	382805 397001	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	10.36	N	1042269 ↗
6	128m E	382842 397041	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	11.28	N	1042270 ↗
7	184m NW	382595 397227	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	8.38	N	1042265 ↗
A	187m N	382737 397273	BRITANIA BASIN PHASE 4 MANCHESTER TP 4	-	Y	N/A
8	189m SE	382872 396967	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	10.52	N	1042271 ↗
A	191m N	382736 397277	BRITANIA BASIN MANCHESTER 3	-	Y	N/A
9	203m NE	382860 397230	MANCHESTER AND SALFORD INNER RELIEF ROAD TP15	1.5	N	1045754 ↗
10	205m NE	382880 397210	MANCHESTER AND SALFORD INNER RELIEF ROAD TP16	1.5	N	1045755 ↗
B	206m SW	382560 396920	34 NANCY STREET, MOSSIDE 1	2.8	N	13468838 ↗
B	206m SW	382560 396920	34 NANCY STREET, MOSSIDE 2	2.6	N	13468839 ↗
B	206m SW	382560 396920	34 NANCY STREET, MOSSIDE 4	1.1	N	13468841 ↗
B	206m SW	382560 396920	34 NANCY STREET, MOSSIDE 3	2.6	N	13468840 ↗
11	207m N	382762 397289	BRITANIA BASIN PHASE 4 MANCHESTER TP 6	-	Y	N/A
12	213m NW	382585 397256	MANCHESTER CORP. IRWELL STORM RELIEF OVERFLOW	13.11	N	1042264 ↗
C	214m N	382666 397296	TIMBER WHARF MANCHESTER TP 19	-	Y	N/A
D	218m N	382723 397305	BRITANIA BASIN PHASE 4 MANCHESTER TP 3	-	Y	N/A
E	224m W	382480 397120	CORNBROOK BREWERY 1	89.15	N	1045827 ↗
E	224m W	382480 397120	CORNBROOK BREWERY 2	78.64	N	1045828 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
E	224m W	382480 397120	CORNBROOK BREWERY 3	99.97	N	1045829 ↗
C	228m N	382683 397313	TIMBER WHARF MANCHESTER TP 16	-	Y	N/A
F	228m N	382782 397306	BRITTANIA BASIN MANCHESTER 4	-	Y	N/A
D	229m N	382745 397315	BRITTANIA BASIN PHASE 4 MANCHESTER TP 5	-	Y	N/A
C	230m N	382657 397310	TIMBER WHARF MANCHESTER TP 20	-	Y	N/A
C	236m N	382697 397323	TIMBER WHARF MANCHESTER TP 13	-	Y	N/A
C	240m N	382709 397327	BRITTANIA BASIN MANCHESTER 2	-	Y	N/A
C	242m N	382672 397325	TIMBER WHARF MANCHESTER TP 17	-	Y	N/A
C	242m N	382713 397329	BRITTANIA BASIN PHASE 4 MANCHESTER TP 2	-	Y	N/A
F	244m N	382780 397323	BRITTANIA BASIN PHASE 4 MANCHESTER TP 8	-	Y	N/A
C	245m N	382648 397323	TIMBER WHARF MANCHESTER TP 21	-	Y	N/A

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).

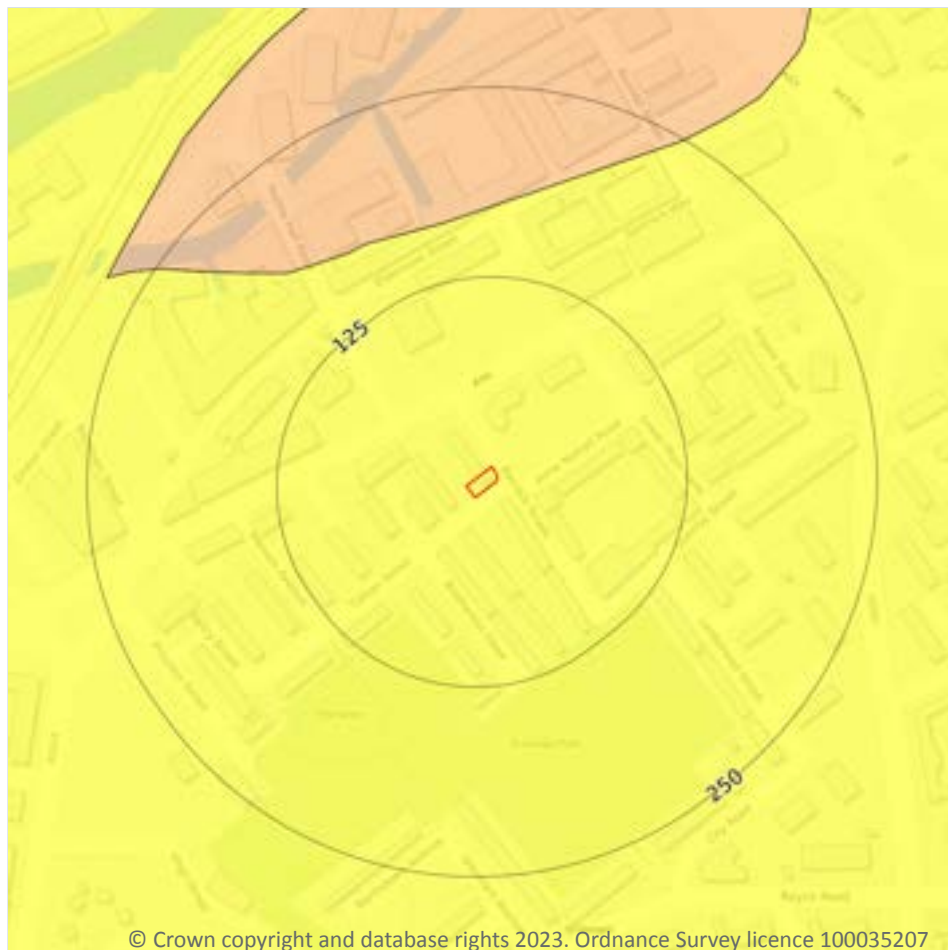
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 113](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 114 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

1

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

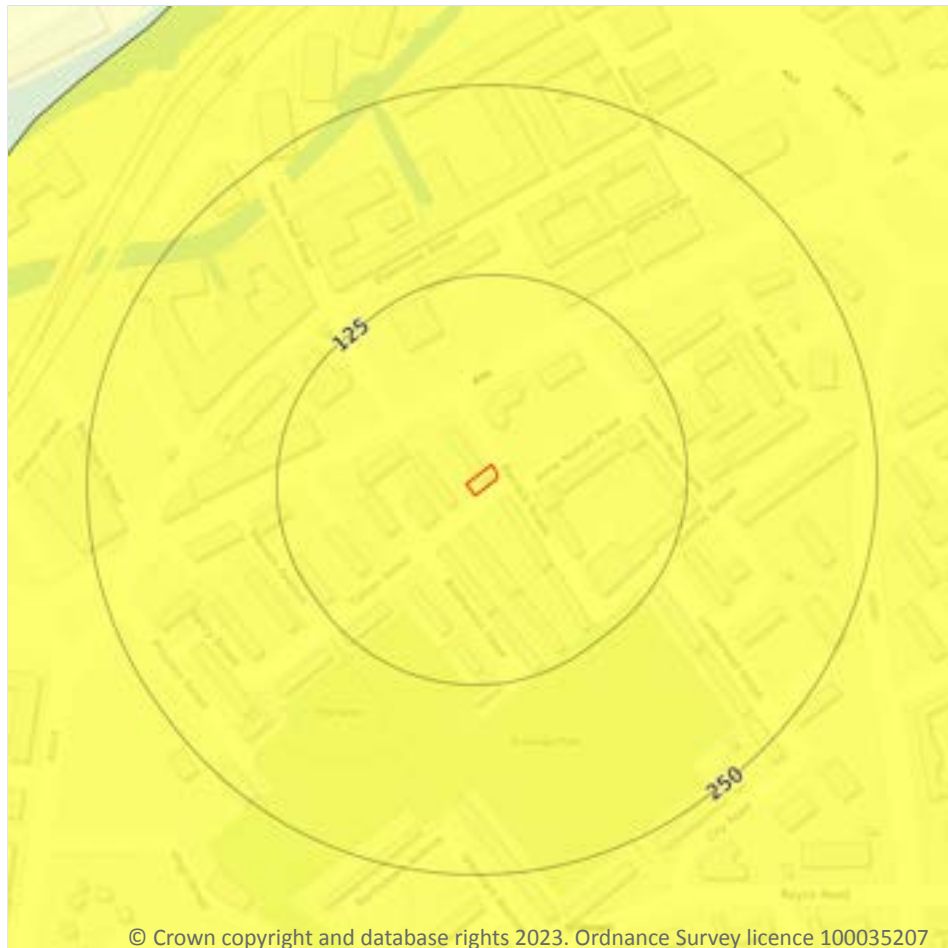
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 115](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

1

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

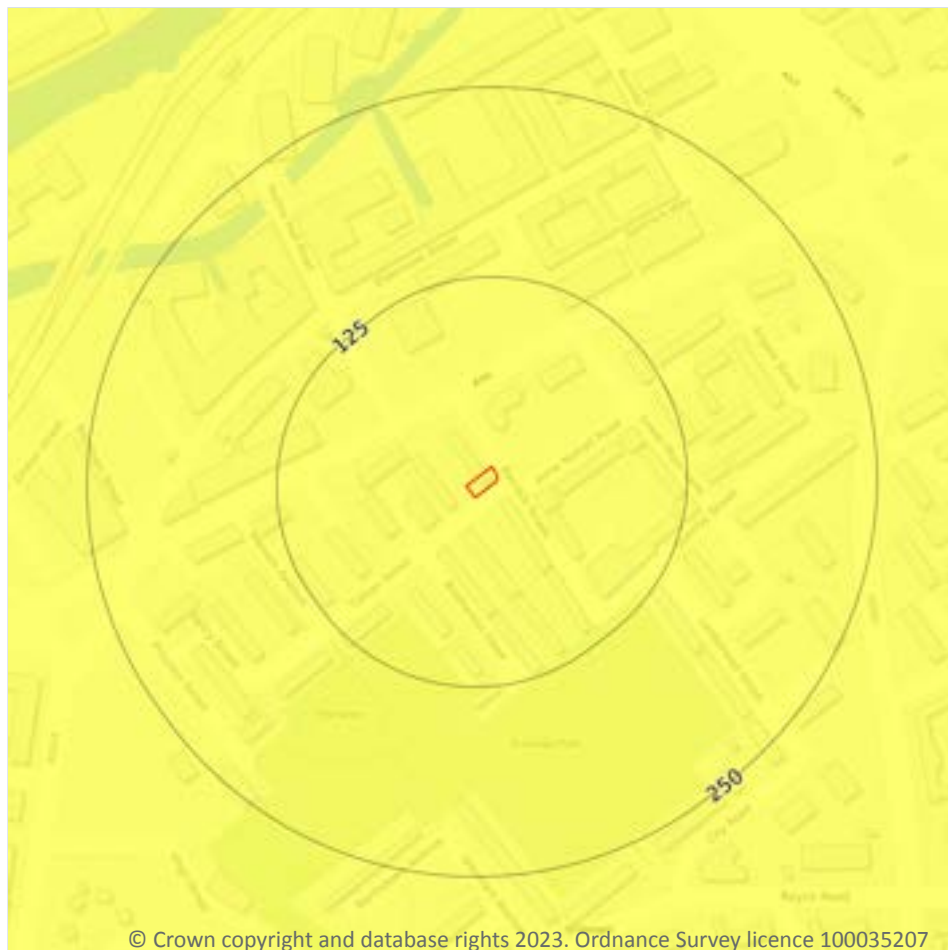
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 116 >](#)

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 117 >](#)

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 118 >](#)

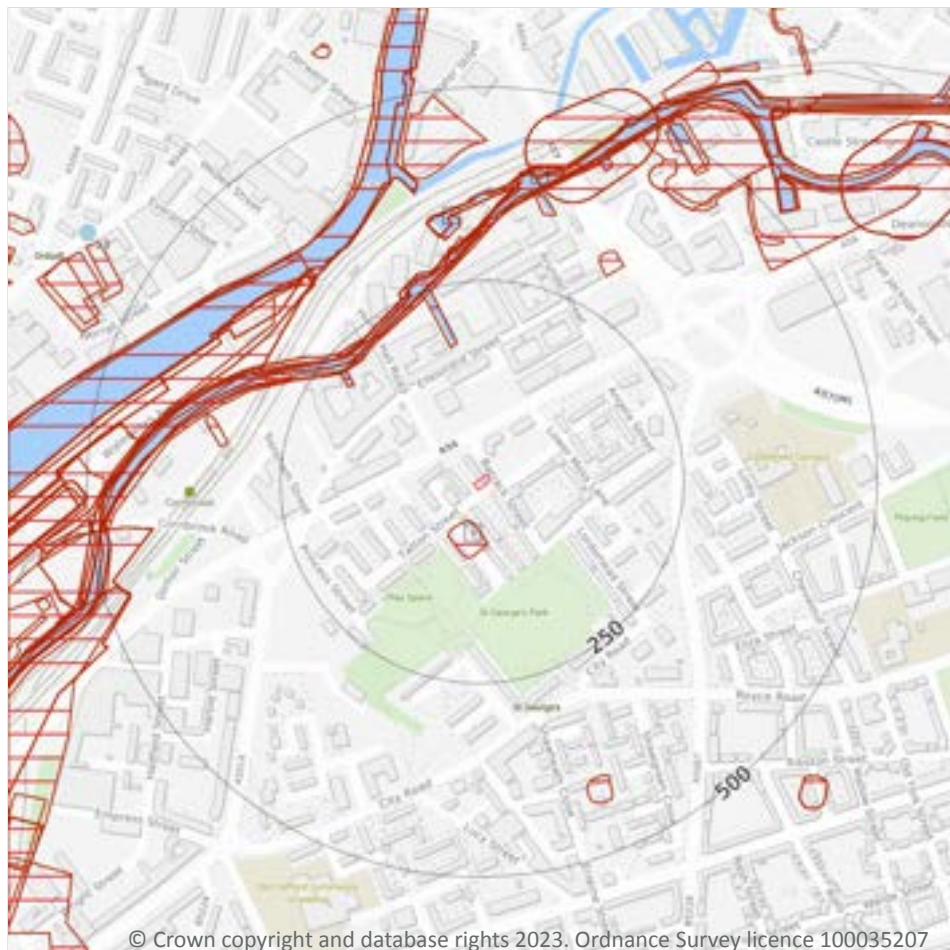
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 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.

18.2 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.

18.3 Surface ground workings

Records within 250m**13**

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, ground workings and natural cavities map on [page 120 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	42m S	Pond	1851	1:10560
A	170m N	Canal	1896	1:10560
B	201m NW	Canal	1988	1:10000
A	222m NW	Canal	1938	1:10560
A	222m NW	Canal	1932	1:10560
A	222m NW	Canal	1916	1:10560
A	222m NW	Canal	1905	1:10560
A	222m NW	Canal	1923	1:10560
B	224m NW	Canal	1971	1:10000
B	224m NW	Canal	1956	1:10560
B	224m NW	Canal	1978	1:10000
B	224m NW	Canal	1985	1:10000
B	224m NW	Canal	1994	1:10000

This is data is sourced from Ordnance Survey/Groundsure.



18.4 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.

18.5 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 Mining cavities

Records within 1000m**1**

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.

Features are displayed on the Mining, ground workings and natural cavities map on [page 120](#) >

ID	Location	Mine Address	Mineral	Data source	Publisher
13	596m NW	Wodens Cave, Manchester, Greater Manchester	Firestone, Freestone, Hearthstone , Honestone, Ragstone, Sandstone, Scythestone , Silver Sand, Whetstone	'Underground Manchester - Secrets of the city revealed'	Willow Publishing

This data is sourced from Stantec UK Ltd.

18.8 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.

18.9 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.



18.10 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.

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

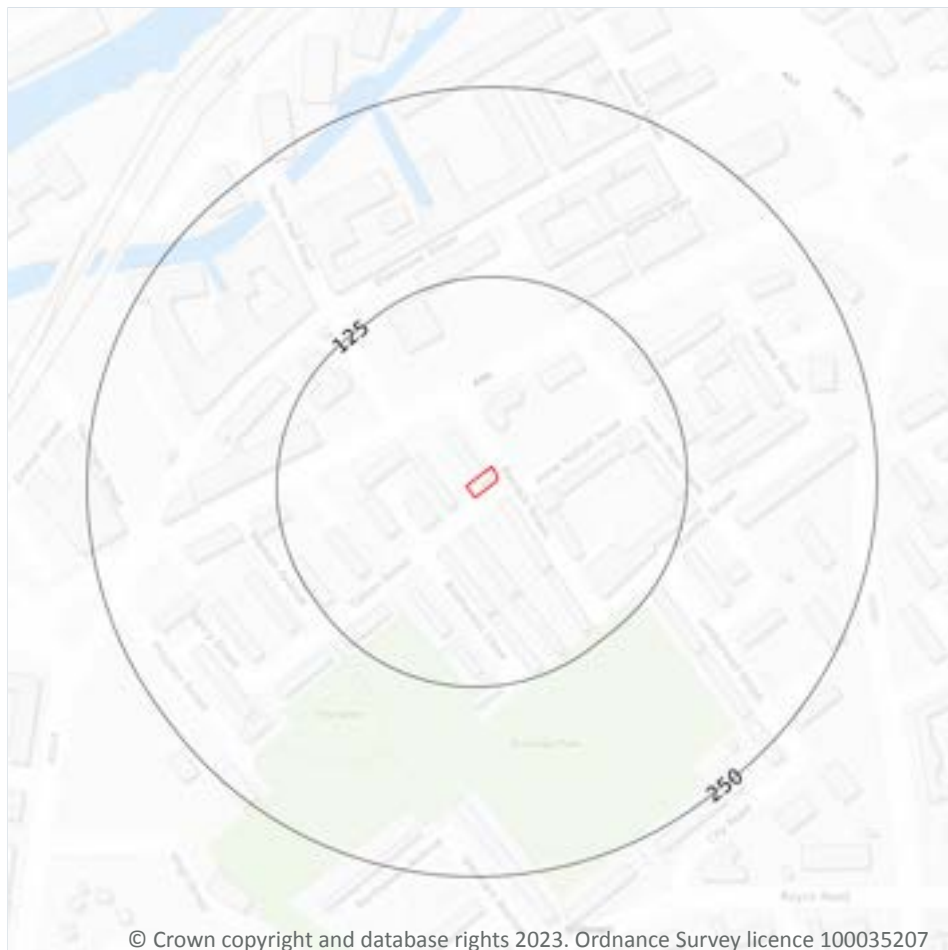
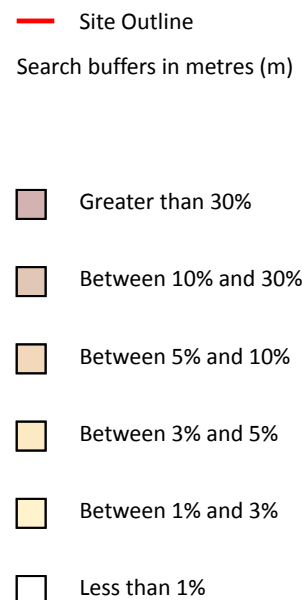
18.13 Clay mining

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 Radon



19.1 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 125 >](#)

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.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	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.

20.2 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 km²).

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	14	2.5	181	124	0.4	55	36	18	12
On site	14	2.5	48	33	0.3	53	27	17	6
12m N	15	2.6	44	30	0.3	55	23	18	5
19m NW	15	2.6	188	129	0.4	56	37	18	12

This data is sourced from the British Geological Survey.



20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



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

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

1

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 129 >](#)

Location	Land Use	Year of mapping	Mapping scale
247m NW	Railway	1893	-

This data is sourced from Ordnance Survey/Groundsure.

21.5 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.

21.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.



21.7 Railways

Records within 250m**0**

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m**0**

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m**0**

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m**0**

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

This data is sourced from HS2 Ltd.

Data providers

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

Terms and conditions

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



Appendix B2 – Historical Ordnance Survey Maps

Site Details:

14A, BARRACK STREET,
MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: 1056 Scale Town Plan

Map date: 1851

Scale: 1:1,056

Printed at: 1:1,056



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

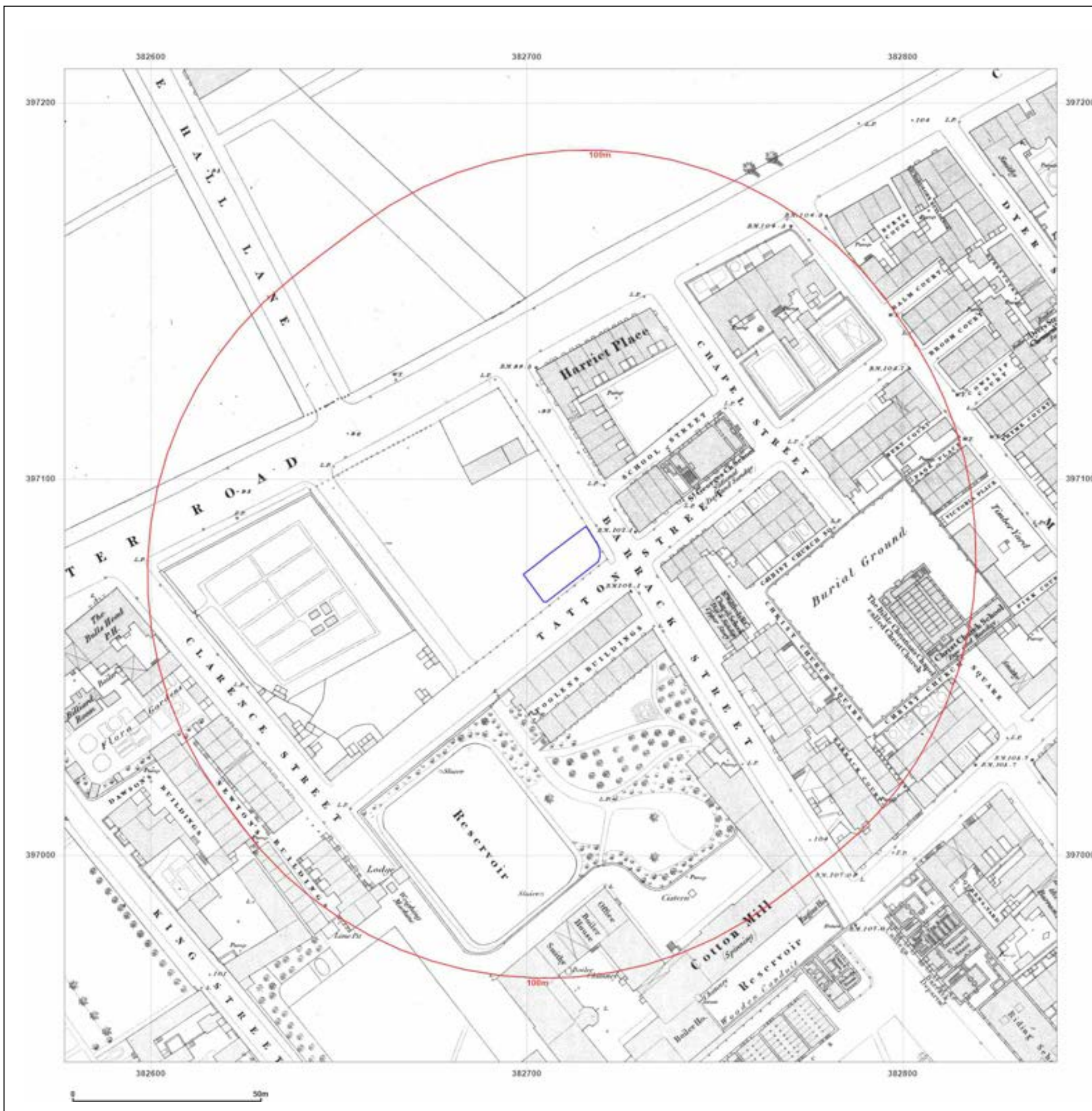


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Production date: 17 May 2023

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Site Details:

14A, BARRACK STREET,
MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series Town Plan

Map date: 1891

Scale: 1:500

Printed at: 1:1,000



Surveyed 1891
Revised N/A
Edition N/A
Copyright N/A
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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



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

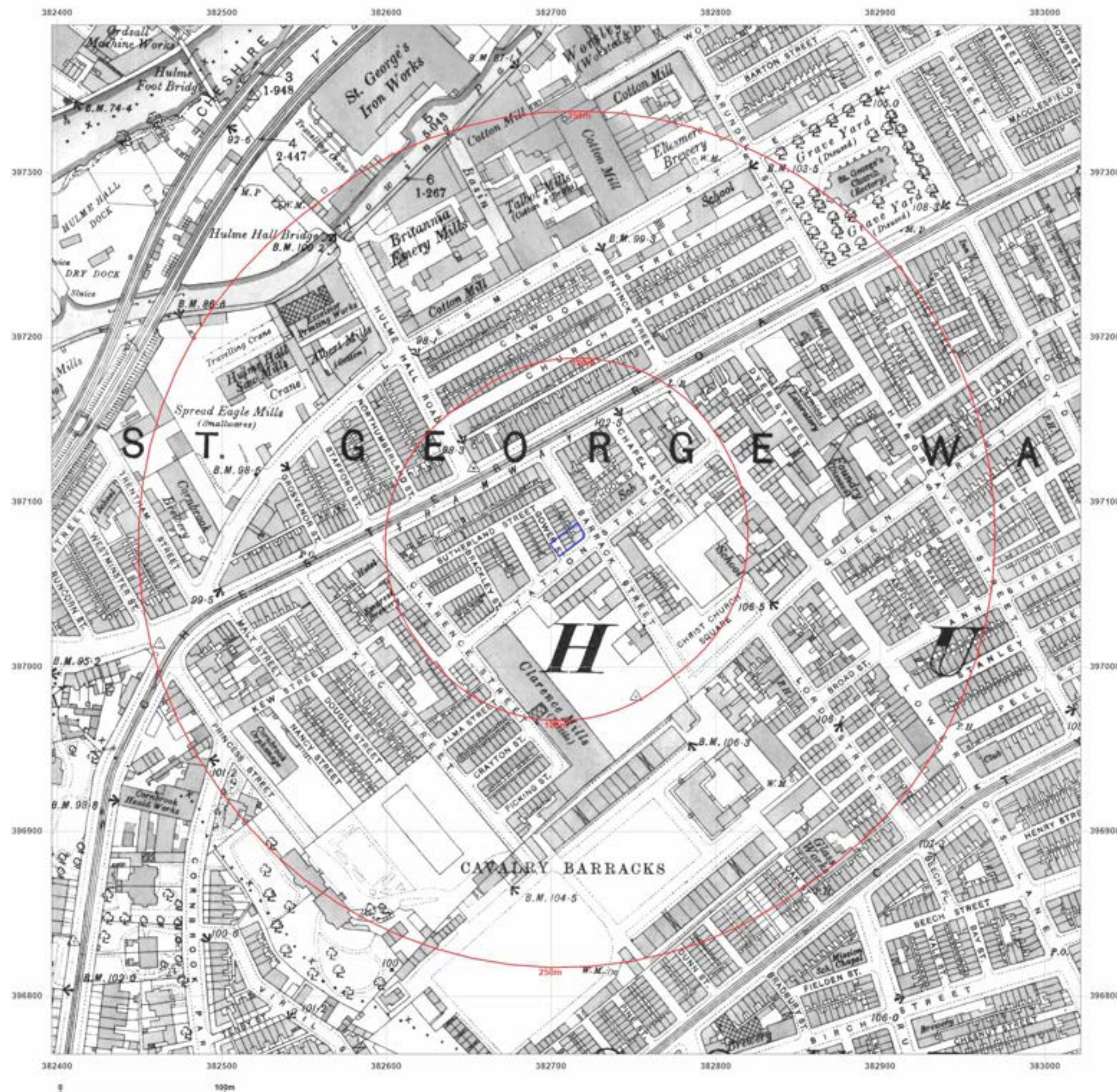


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1908

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1891
Revised 1905
Edition 1908
Copyright N/A
Levelled N/A

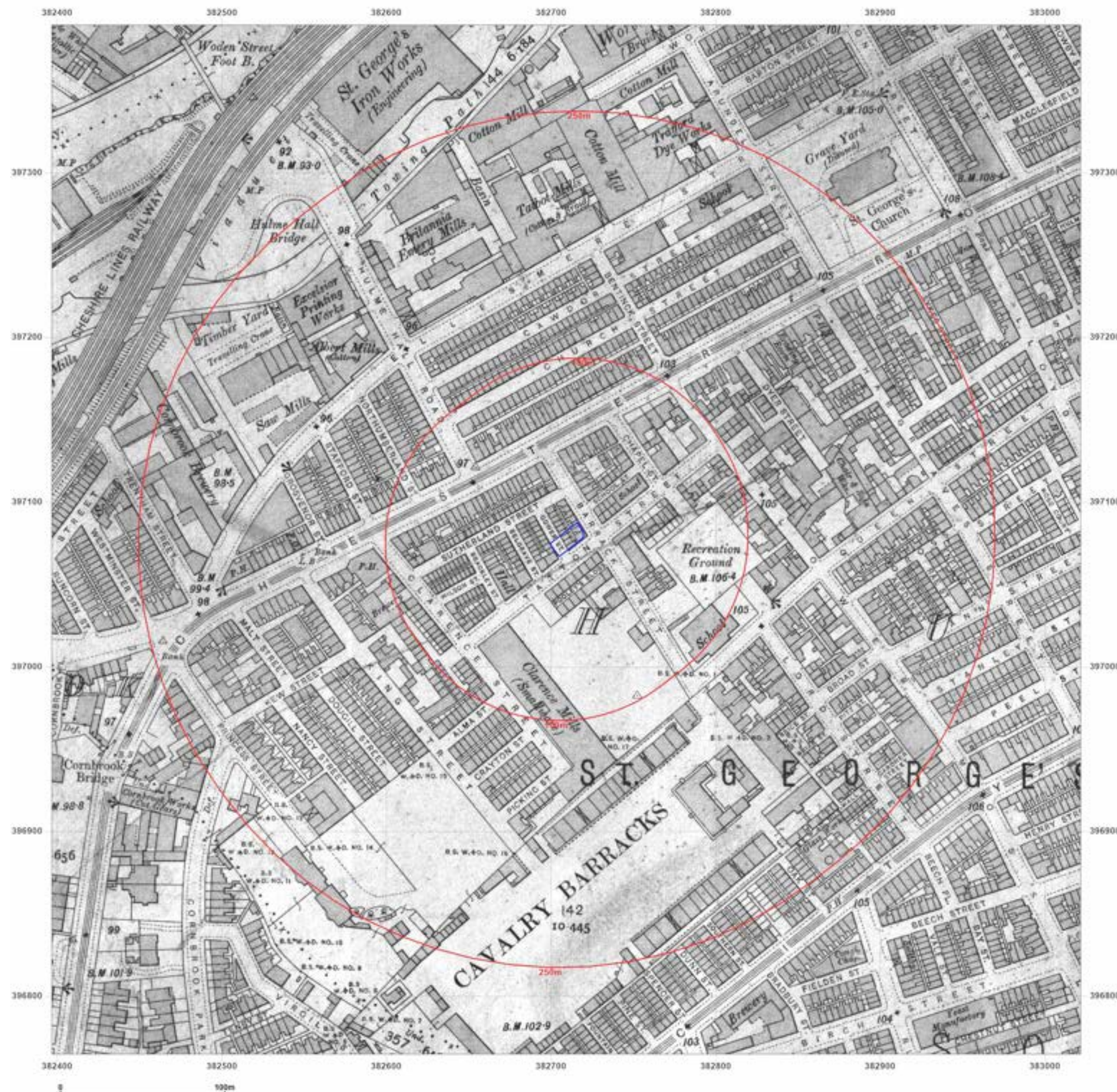


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1922

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1922
Revised 1916
Edition 1922
Copyright N/A
Levelled 1915

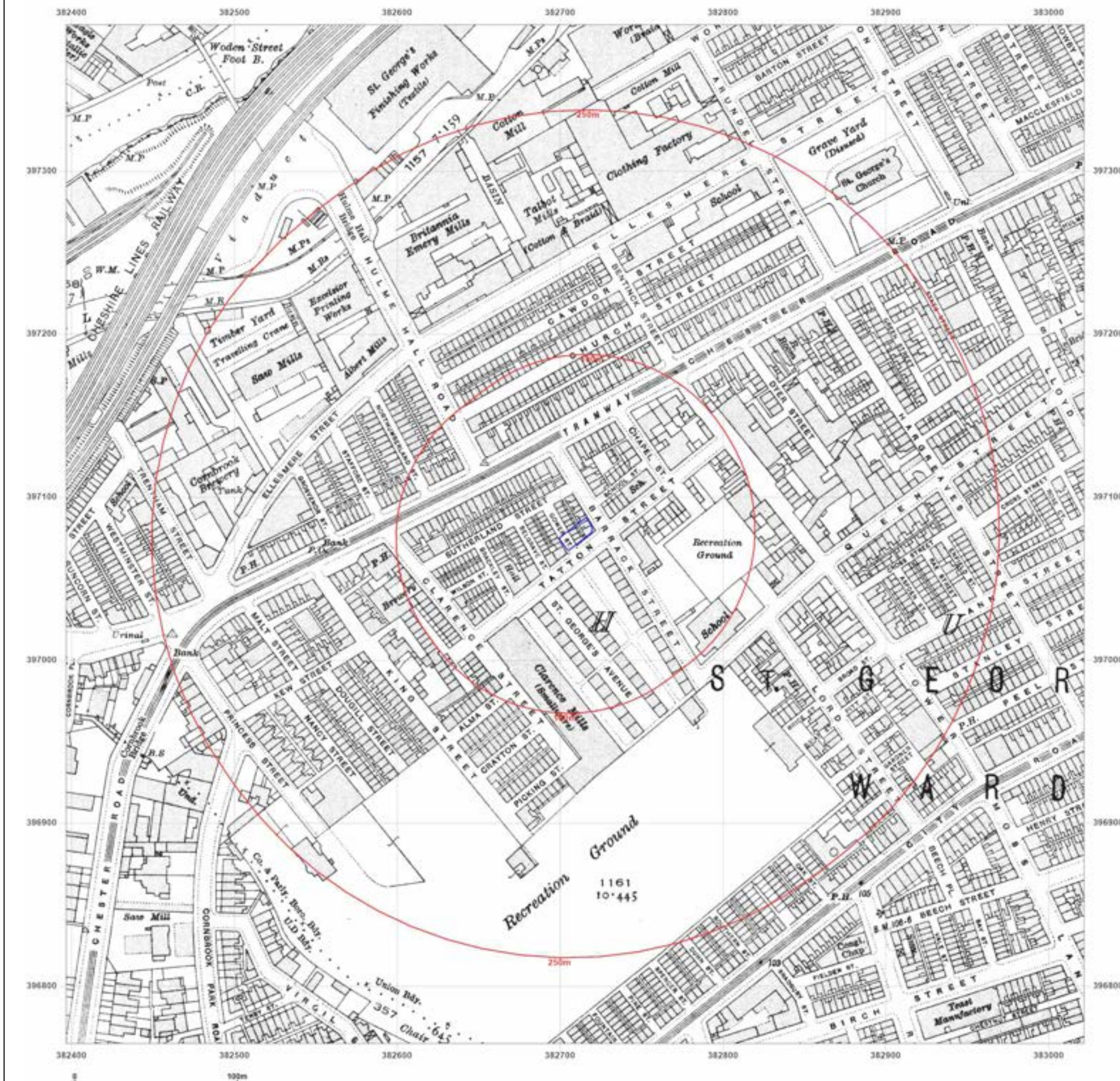


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1873
Revised 1932
Edition N/A
Copyright N/A
Levelled 1927

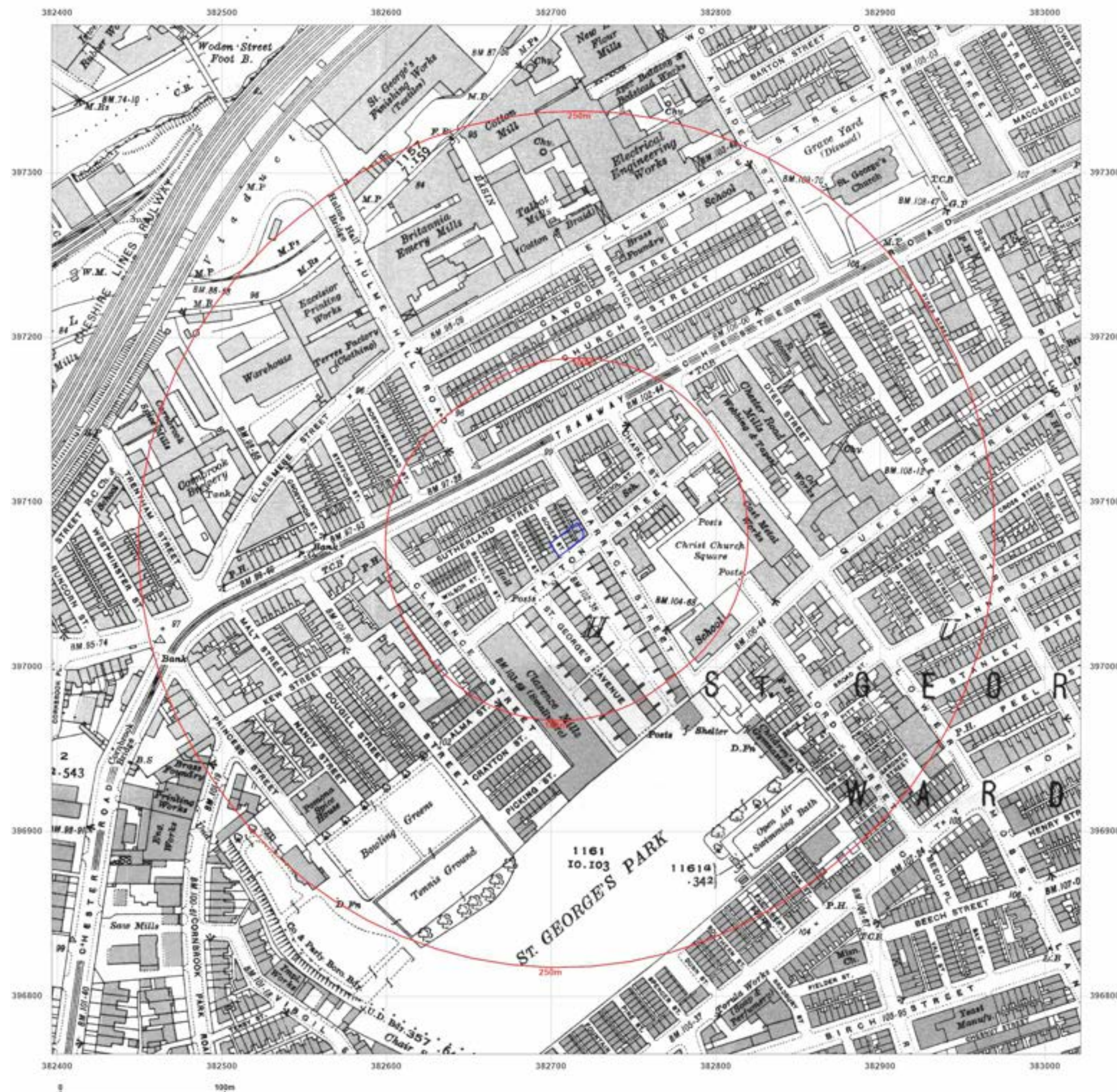


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1948-1949

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1949
Revised 1949
Edition N/A
Copyright N/A
Levelled 1948

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

Surveyed 1949
Revised 1949
Edition N/A
Copyright N/A
Levelled 1948

Surveyed 1949
Revised 1949
Edition N/A
Copyright N/A
Levelled 1948

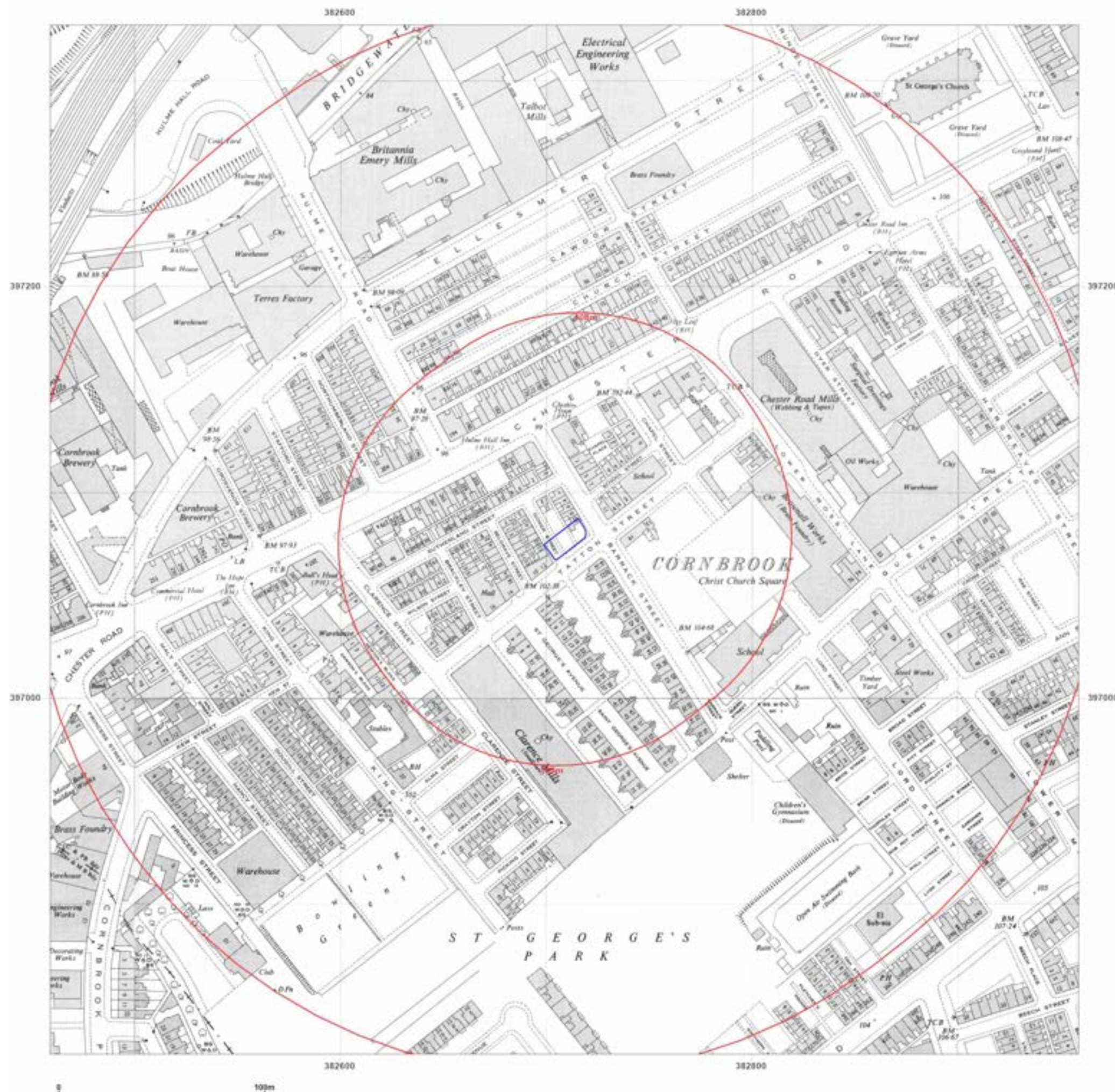


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1949-1950

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1949
Revised 1949
Edition N/A
Copyright N/A
Levelled 1948

Surveyed 1949
Revised 1949
Edition N/A
Copyright N/A
Levelled 1948

Surveyed 1949
Revised 1949
Edition N/A
Copyright 1950
Levelled 1927

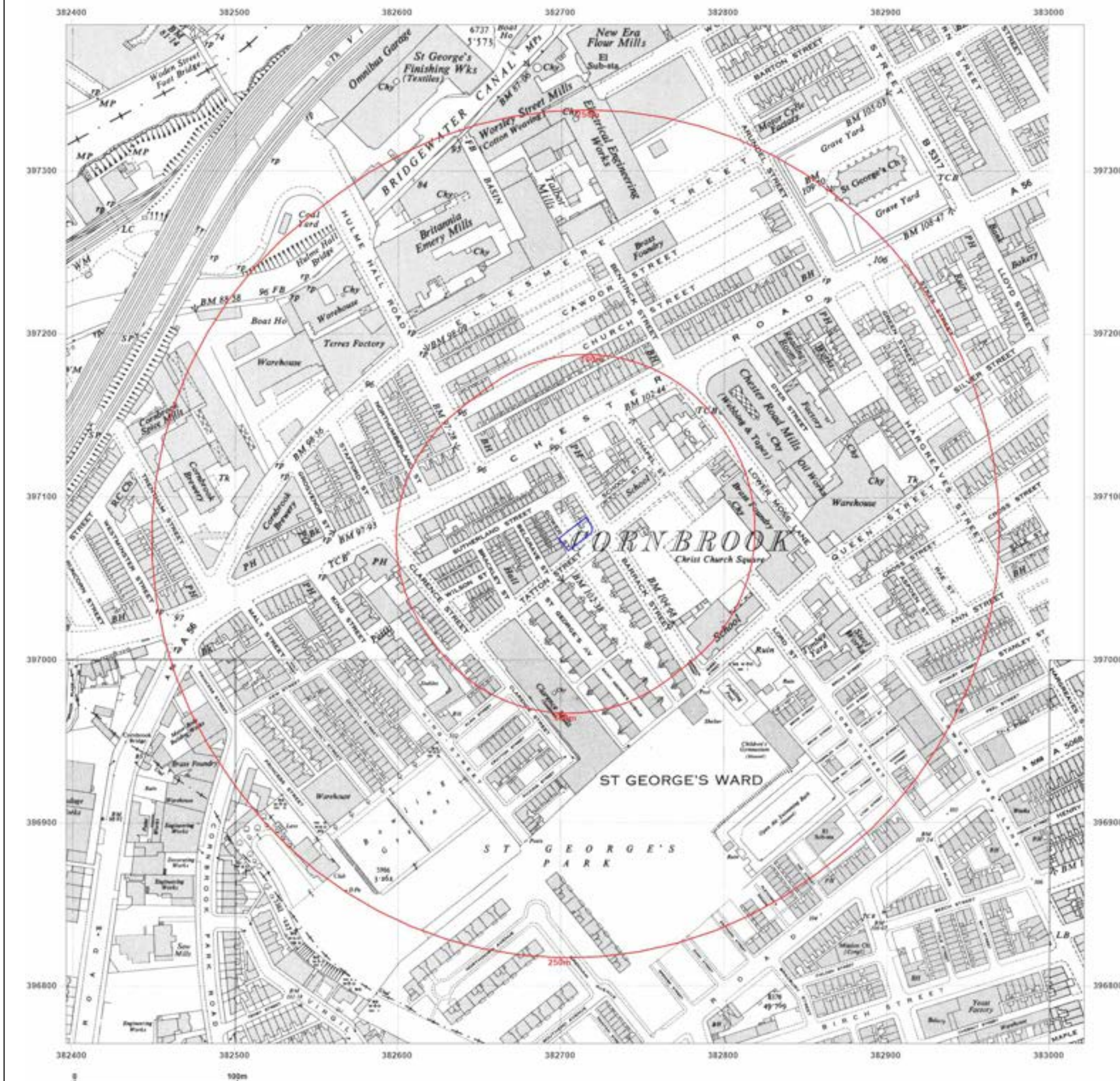


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1950-1951

Scale: 1:2,500

Printed at: 1:2,500



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Revised N/A
Edition N/A
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Levelled N/A

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Revised N/A
Edition N/A
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Levelled N/A

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Edition N/A
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Levelled N/A

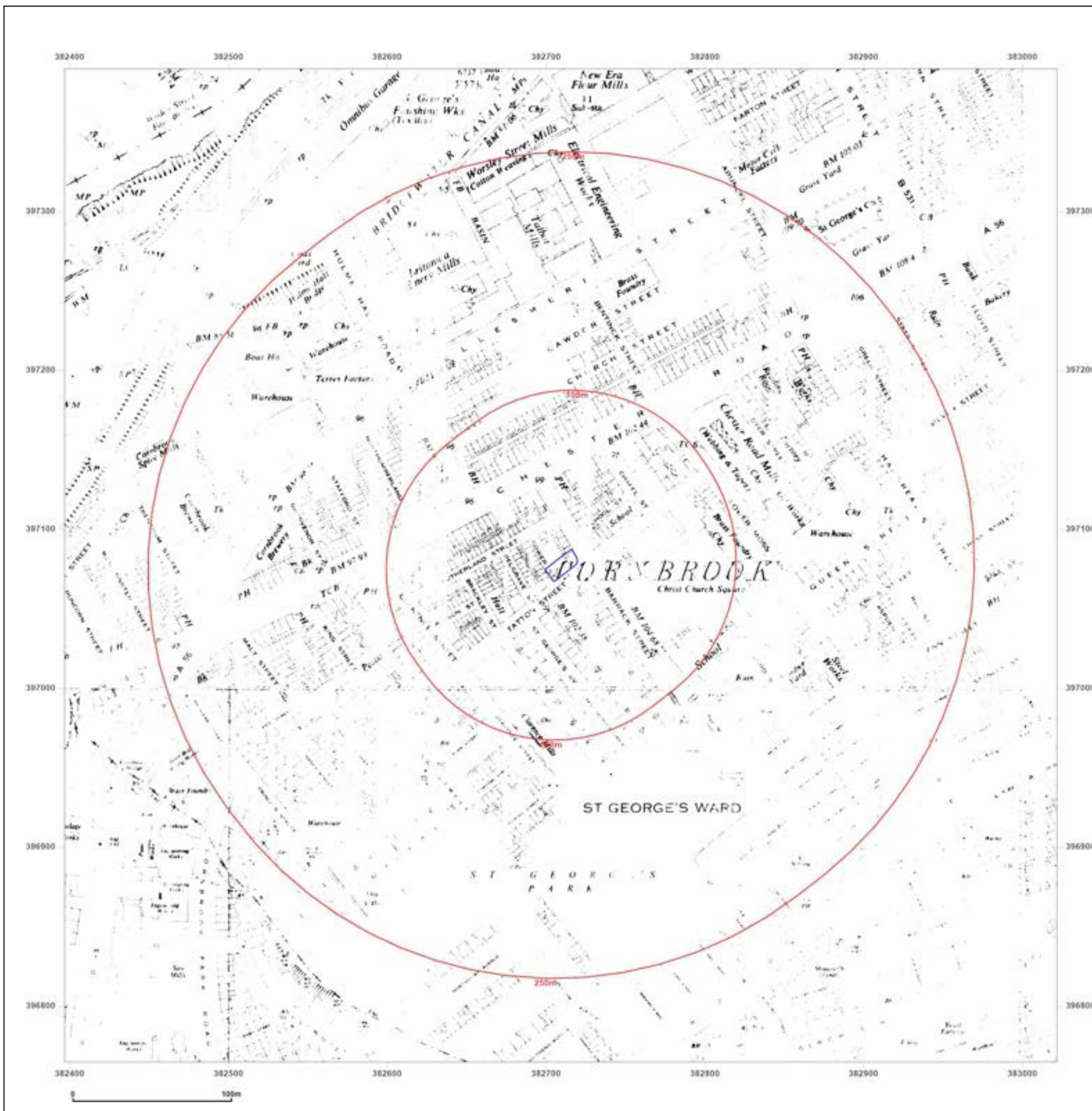


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MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1950-1954

Scale: 1:1,250

Printed at: 1:2,000



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

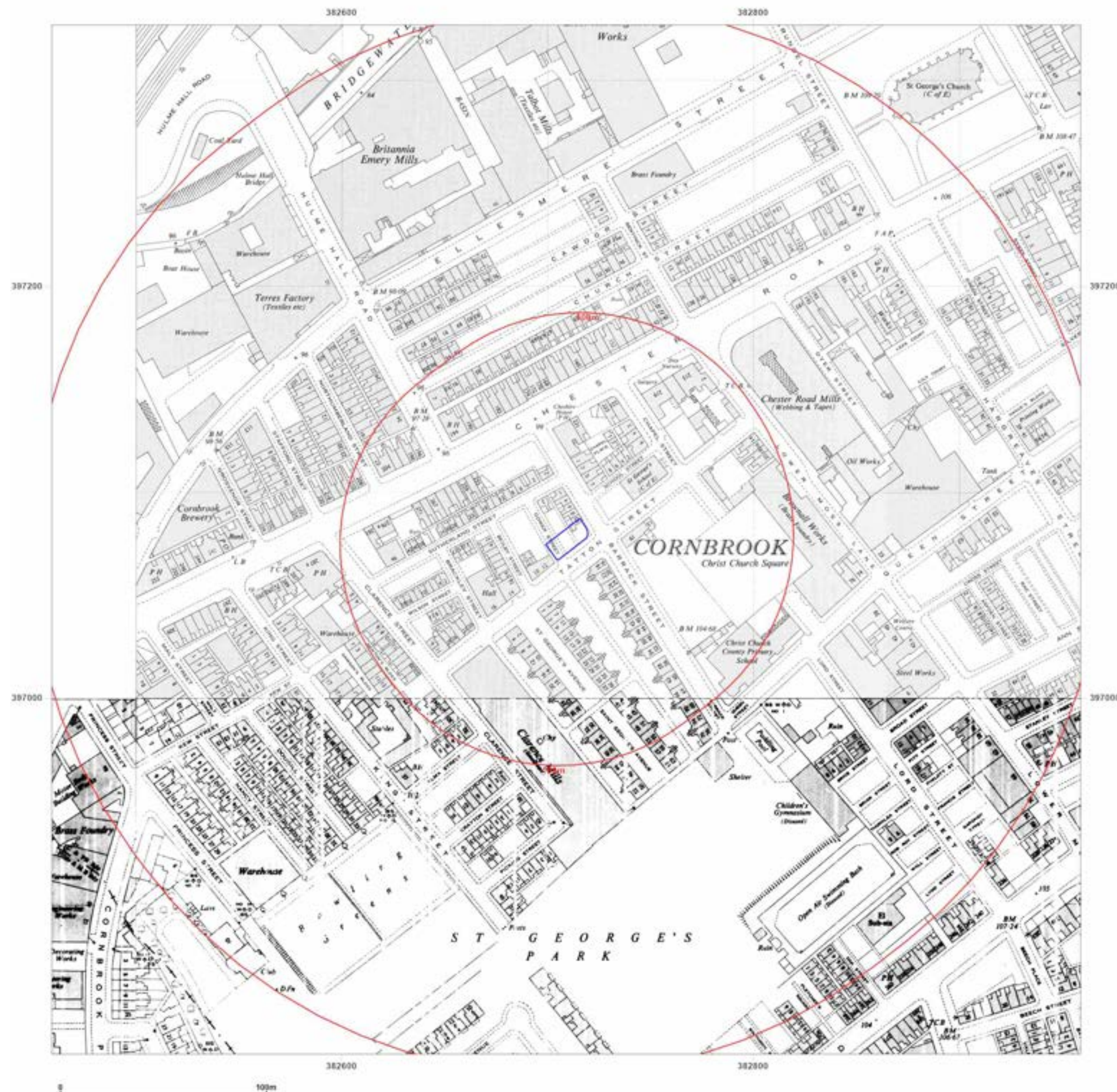


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1954-1955

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1949 Revised 1954 Edition N/A Copyright N/A Levelled 1948	

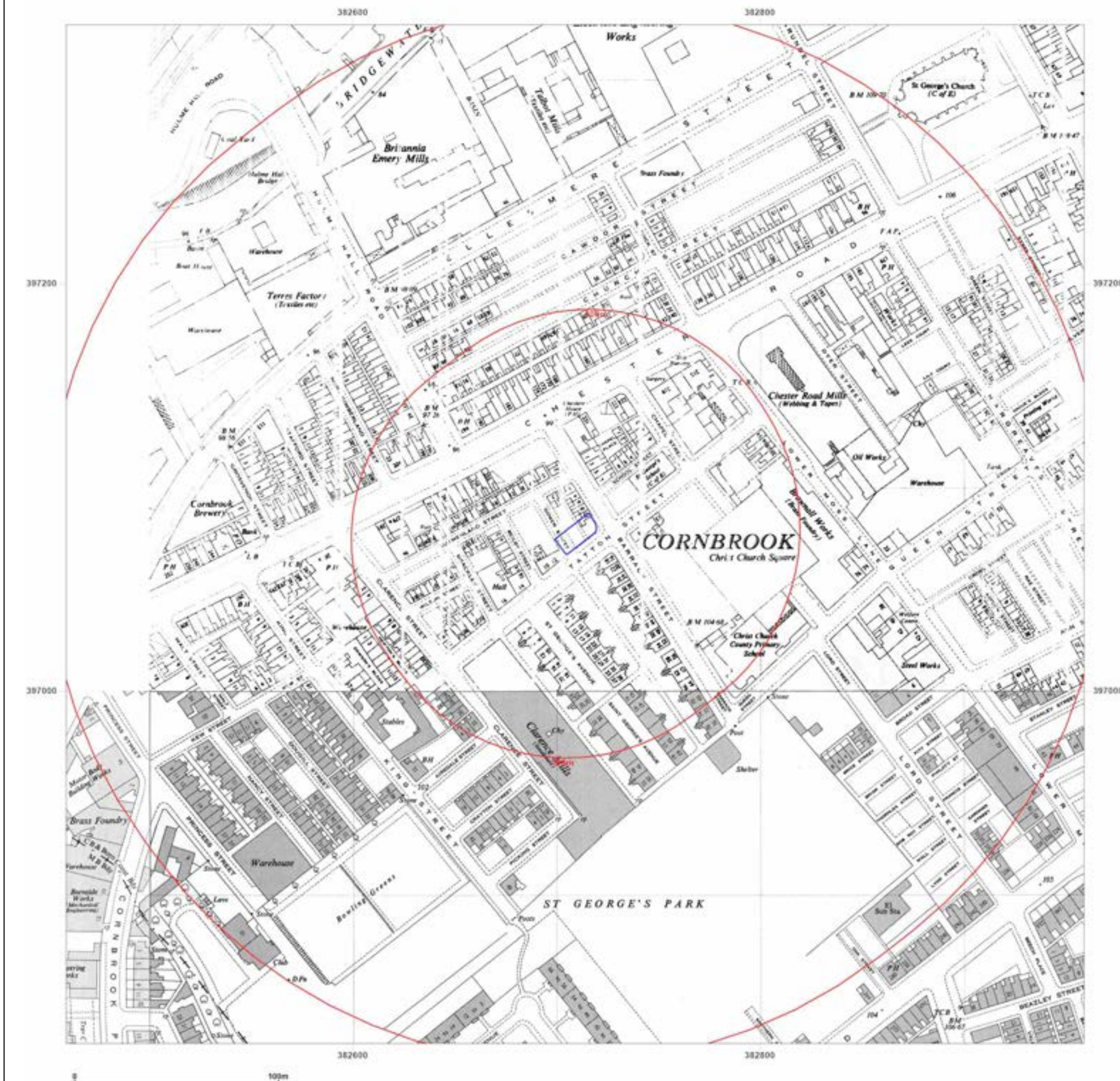


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1963-1964

Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
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Levelled 1958

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

Surveyed 1949
Revised 1963
Edition N/A
Copyright 1964
Levelled 1958

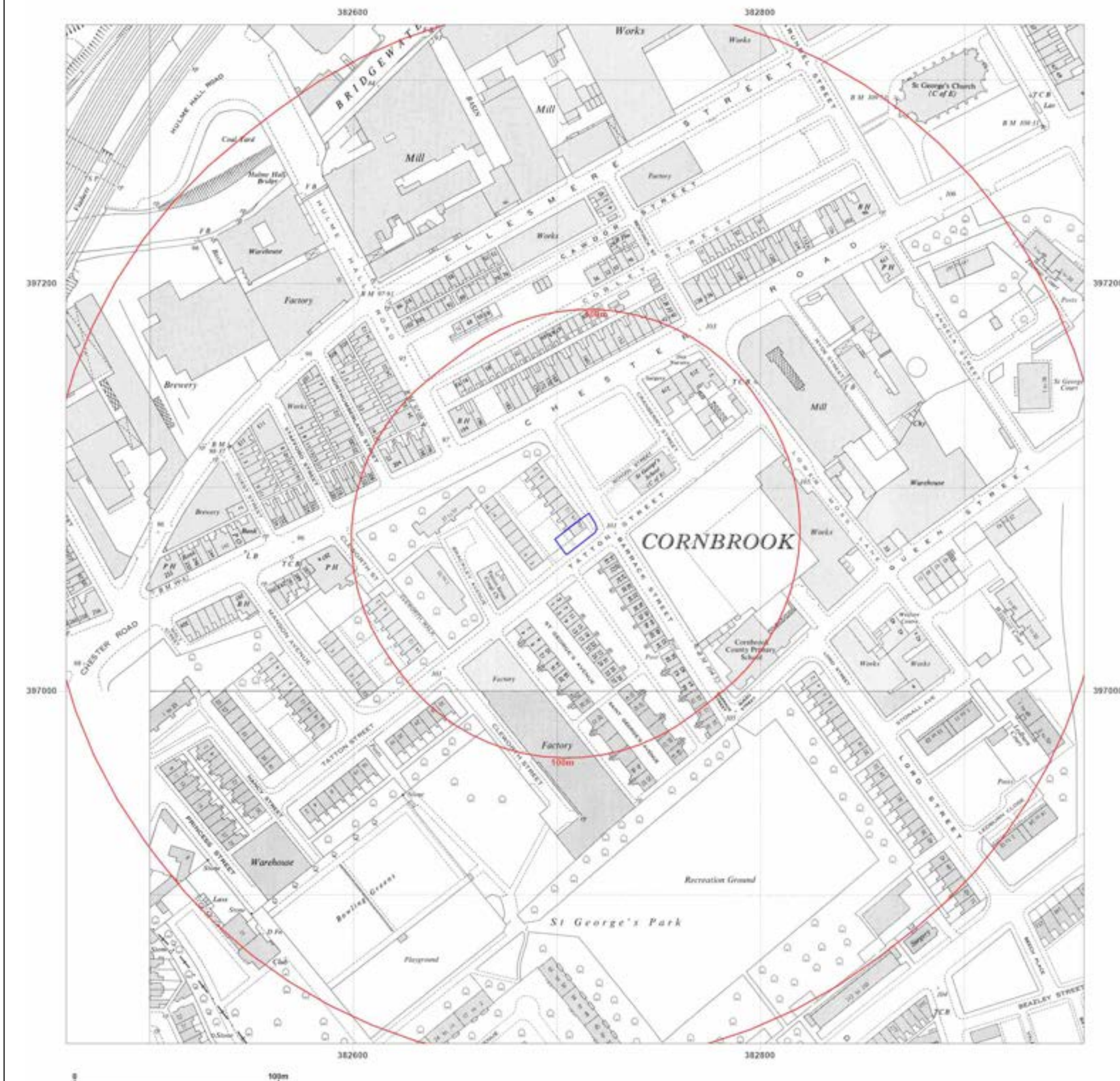


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MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1965

Scale: 1:2,500

Printed at: 1:2,500



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

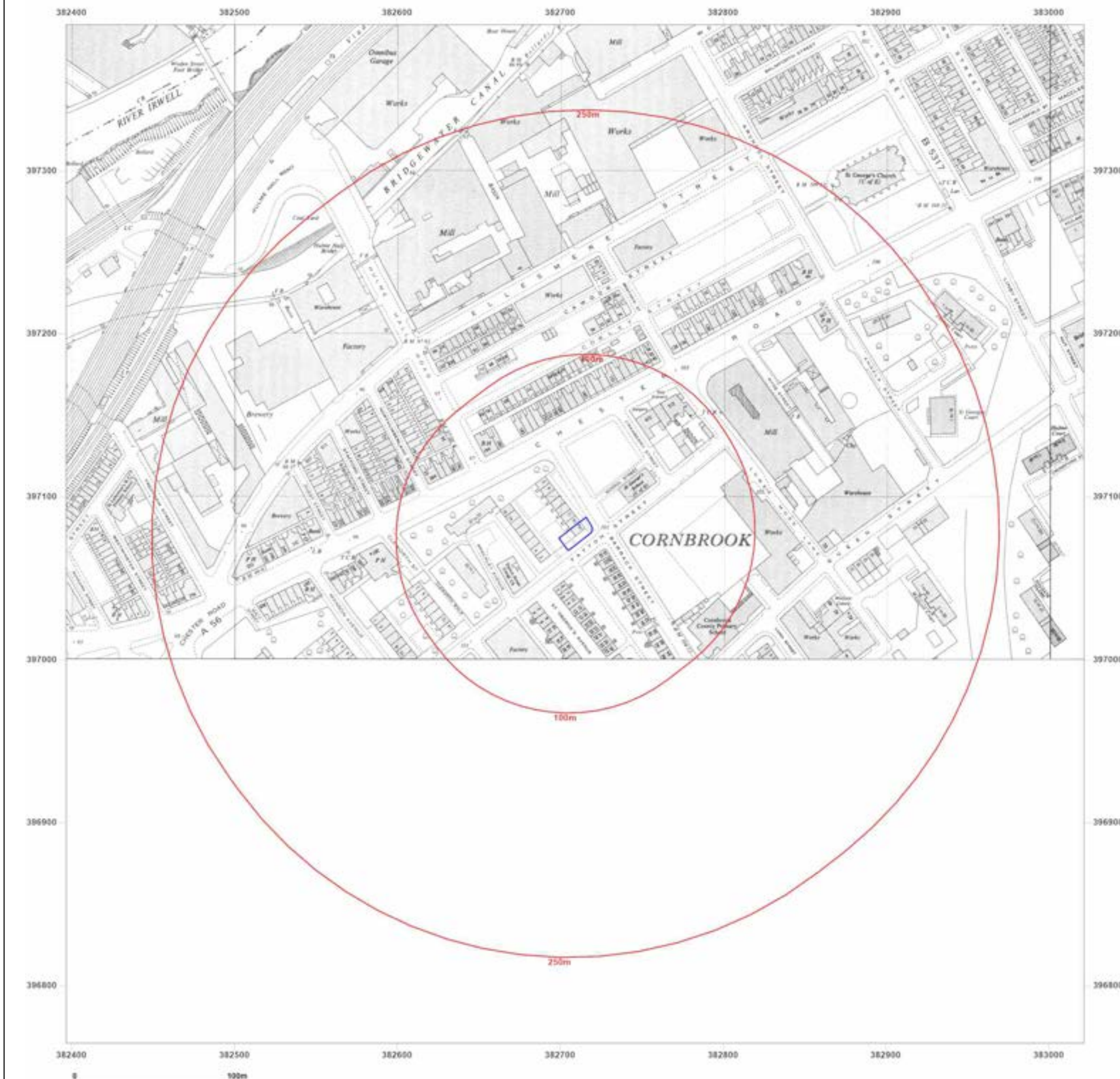


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MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1969-1971

Scale: 1:1,250

Printed at: 1:2,000

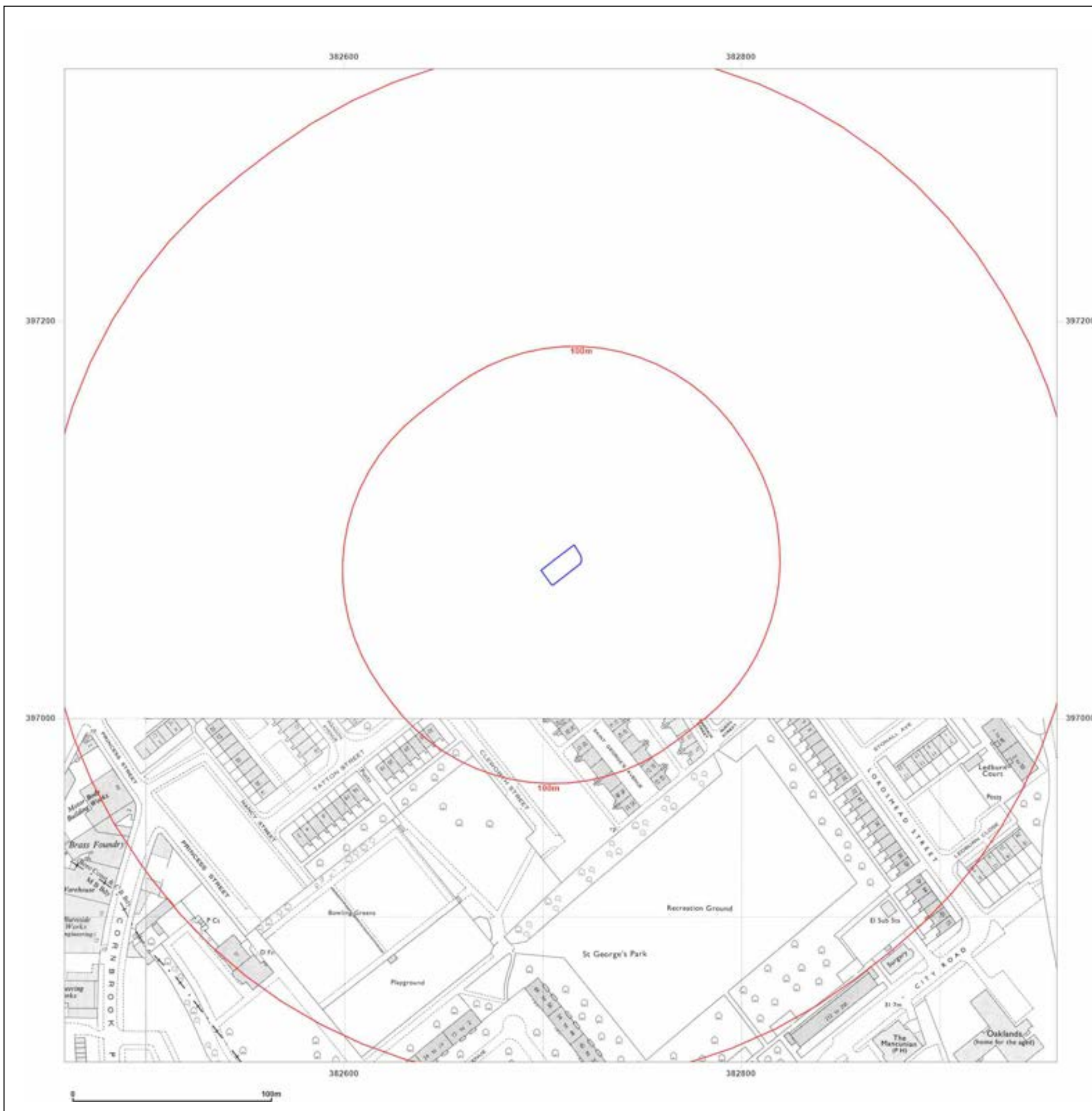


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Site Details:

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MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1976-1981

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1949
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Edition N/A
Copyright 1977
Levelled 1958

Surveyed 1948
Revised 1976
Edition N/A
Copyright 1977
Levelled 1963

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1981
Levelled 1958

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

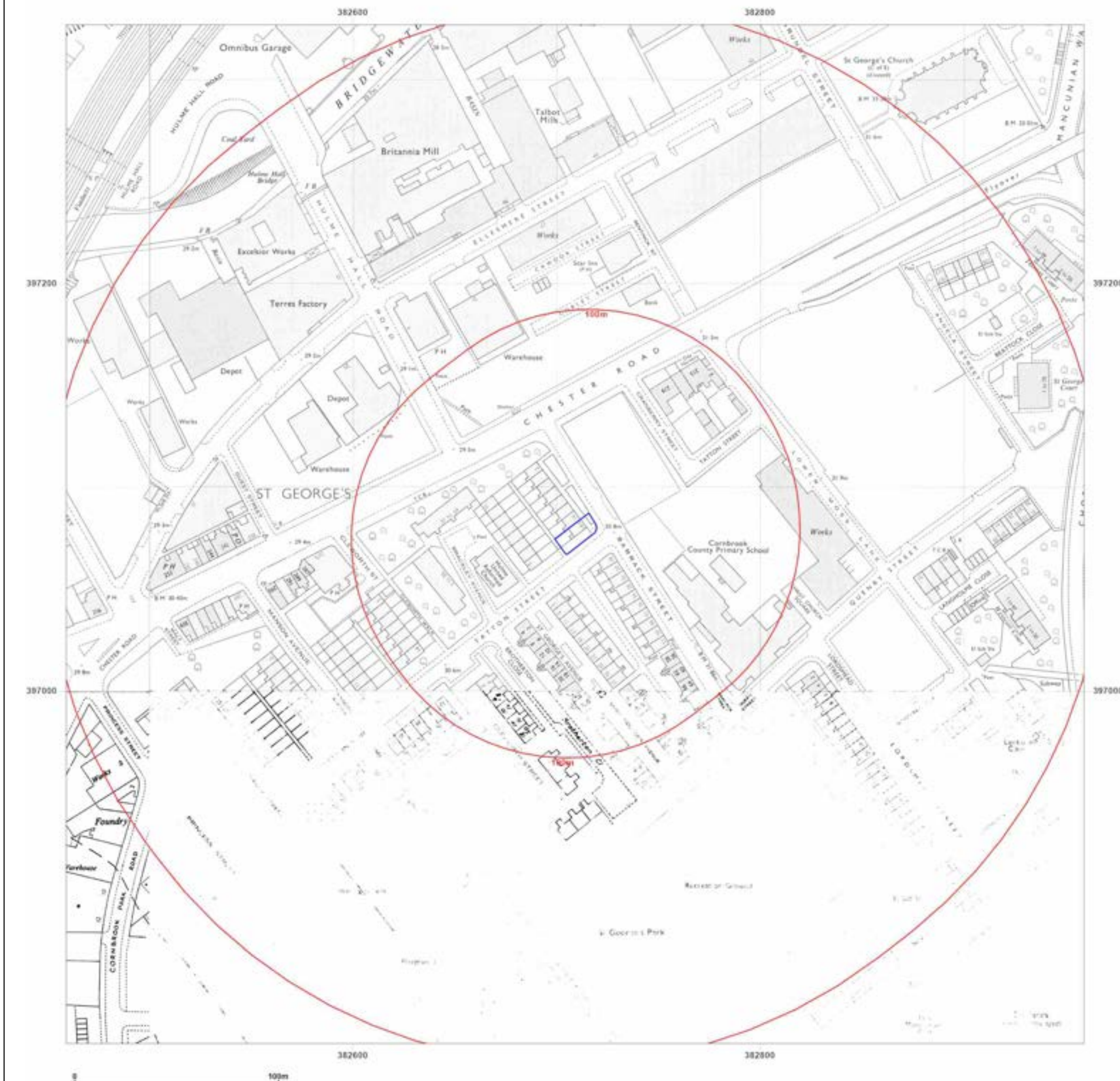


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Site Details:

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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1982

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1982
Levelled 1963

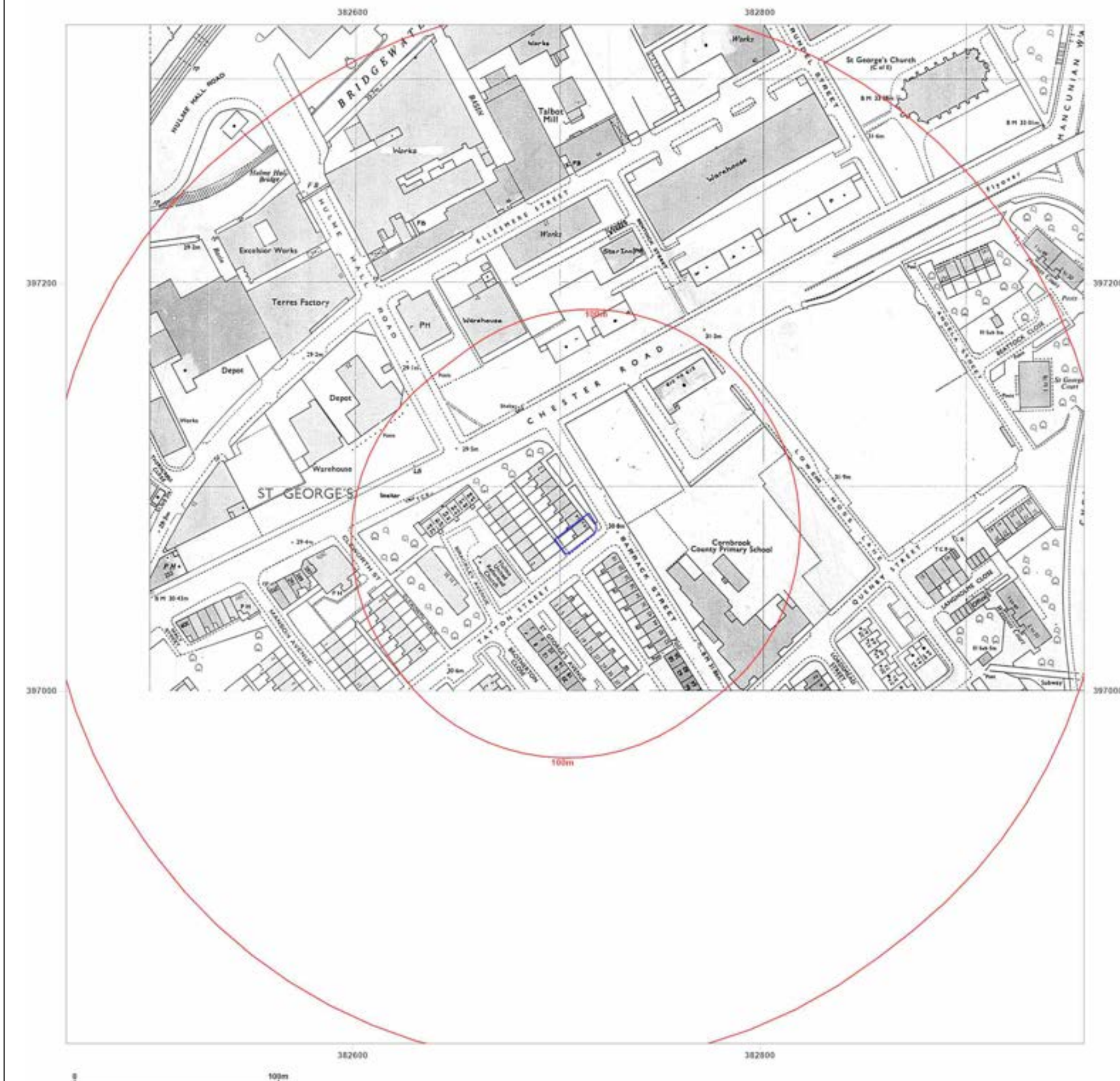


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Site Details:

14A, BARRACK STREET,
MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1977-1982

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1982
Levelled 1963

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

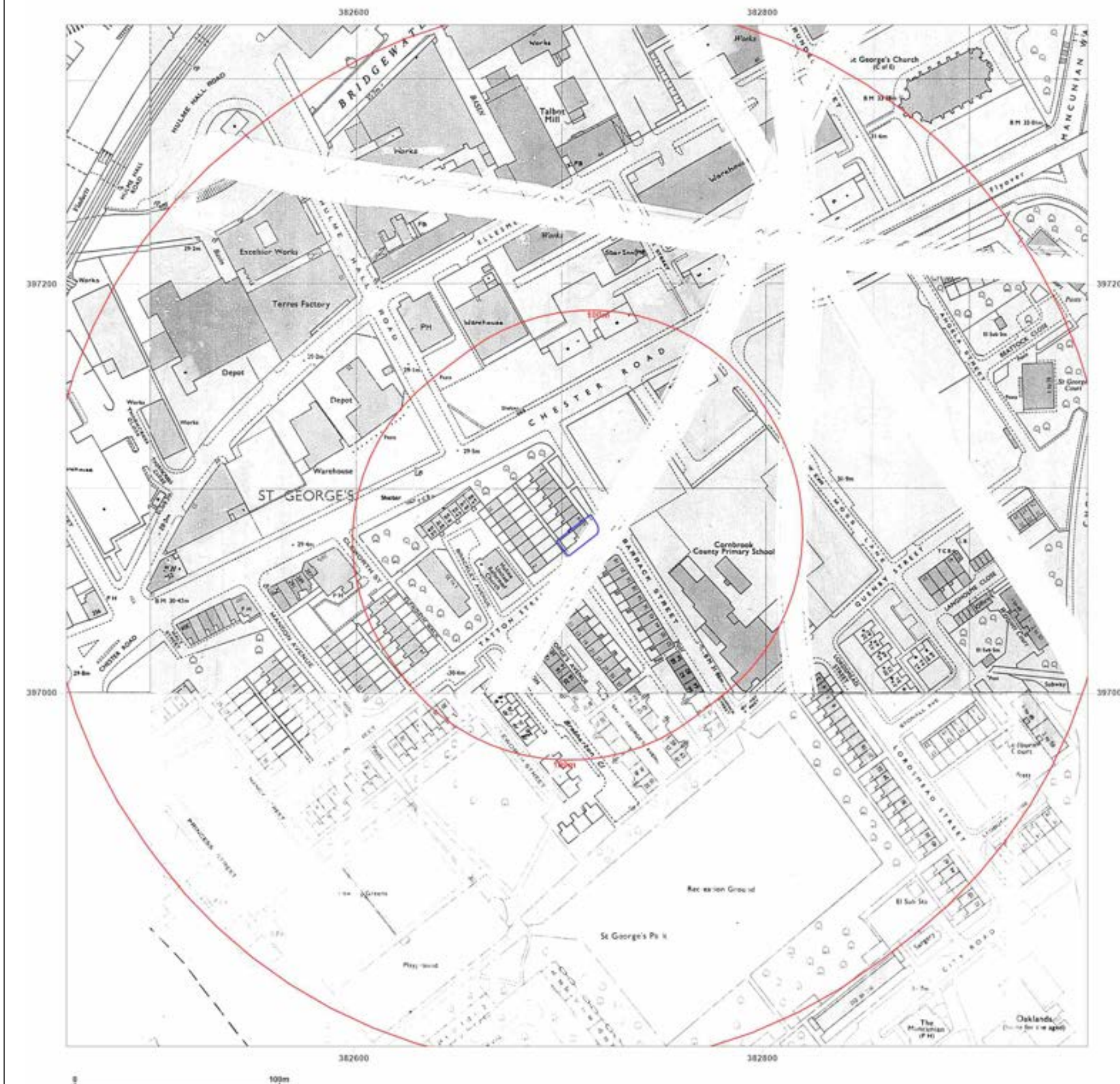


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Site Details:

14A, BARRACK STREET,
MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1984-1989

Scale: 1:1,250

Printed at: 1:2,000



<p>Surveyed 1963 Revised 1984 Edition N/A Copyright 1984 Levelled 1963</p>	<p>Surveyed 1958 Revised 1989 Edition N/A Copyright 1989 Levelled 1958</p>
<p>Surveyed 1958 Revised 1986 Edition N/A Copyright 1986 Levelled 1958</p>	

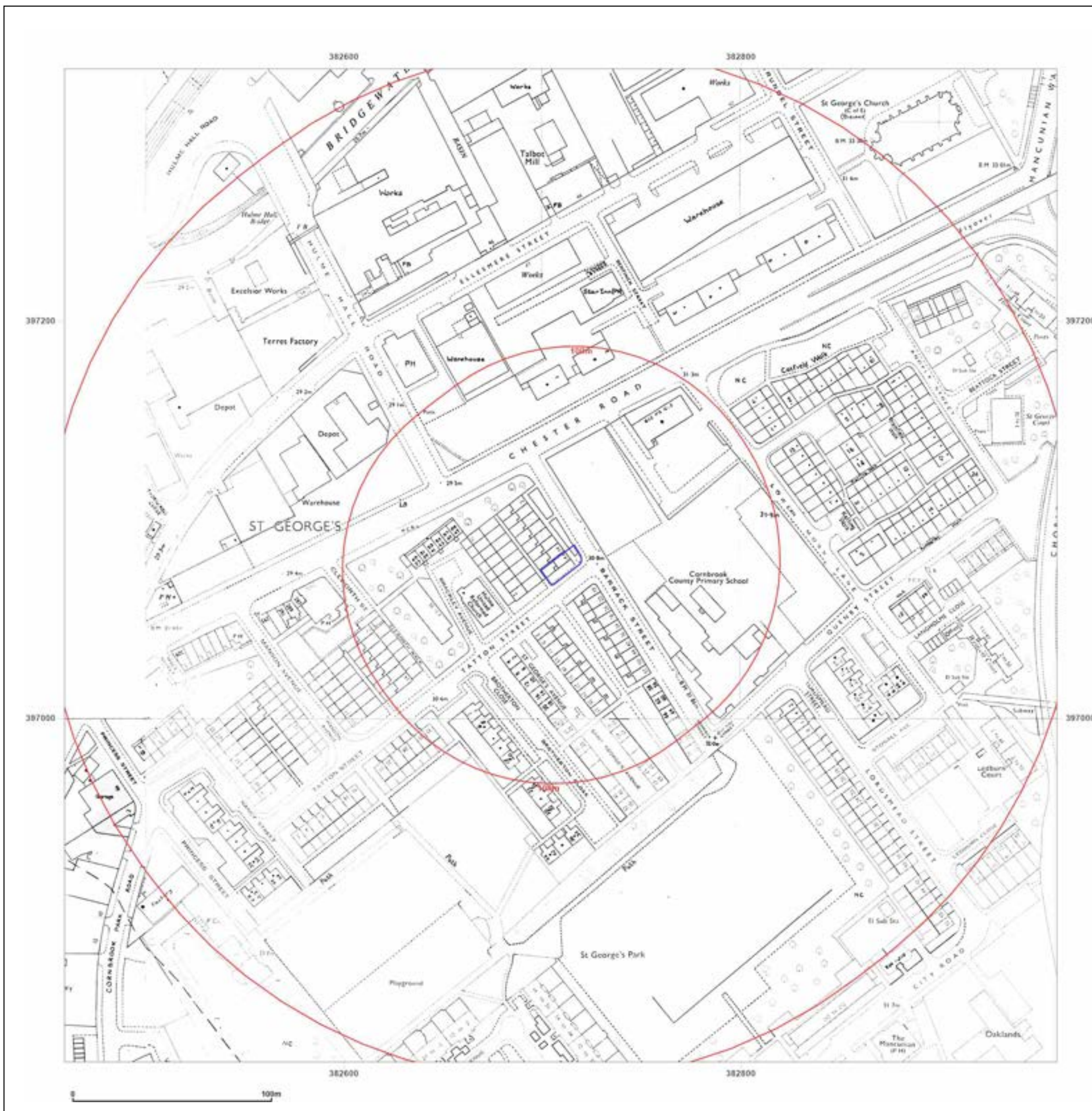


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Site Details:

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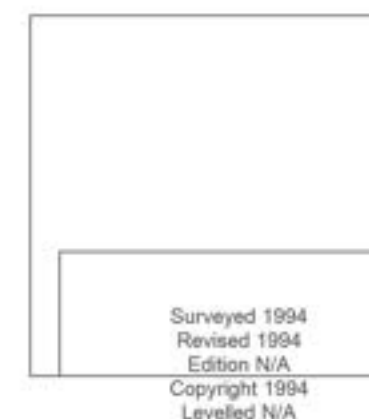
Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000

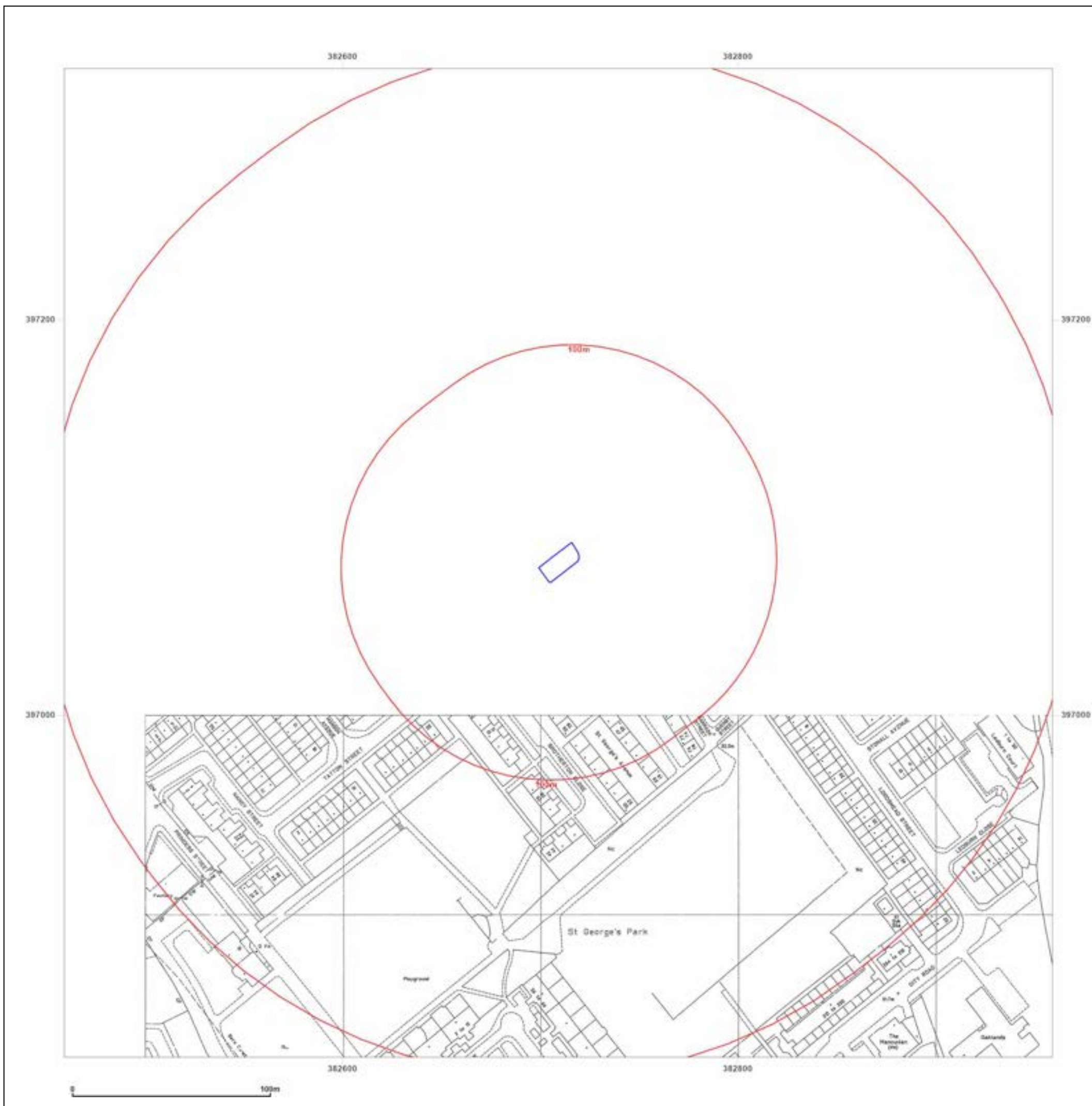


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Site Details:

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MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1992-1995

Scale: 1:1,250

Printed at: 1:2,000



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

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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

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

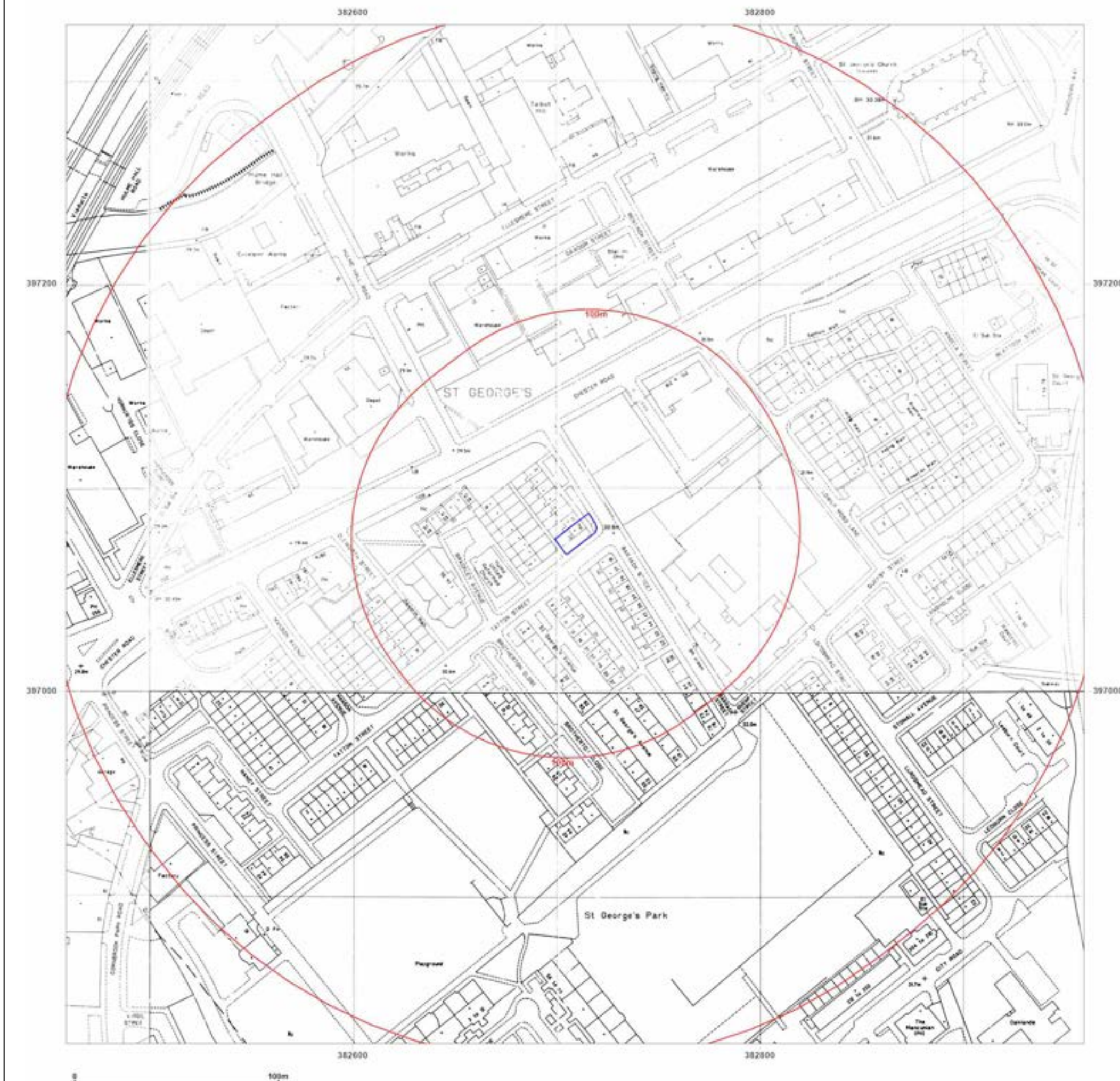


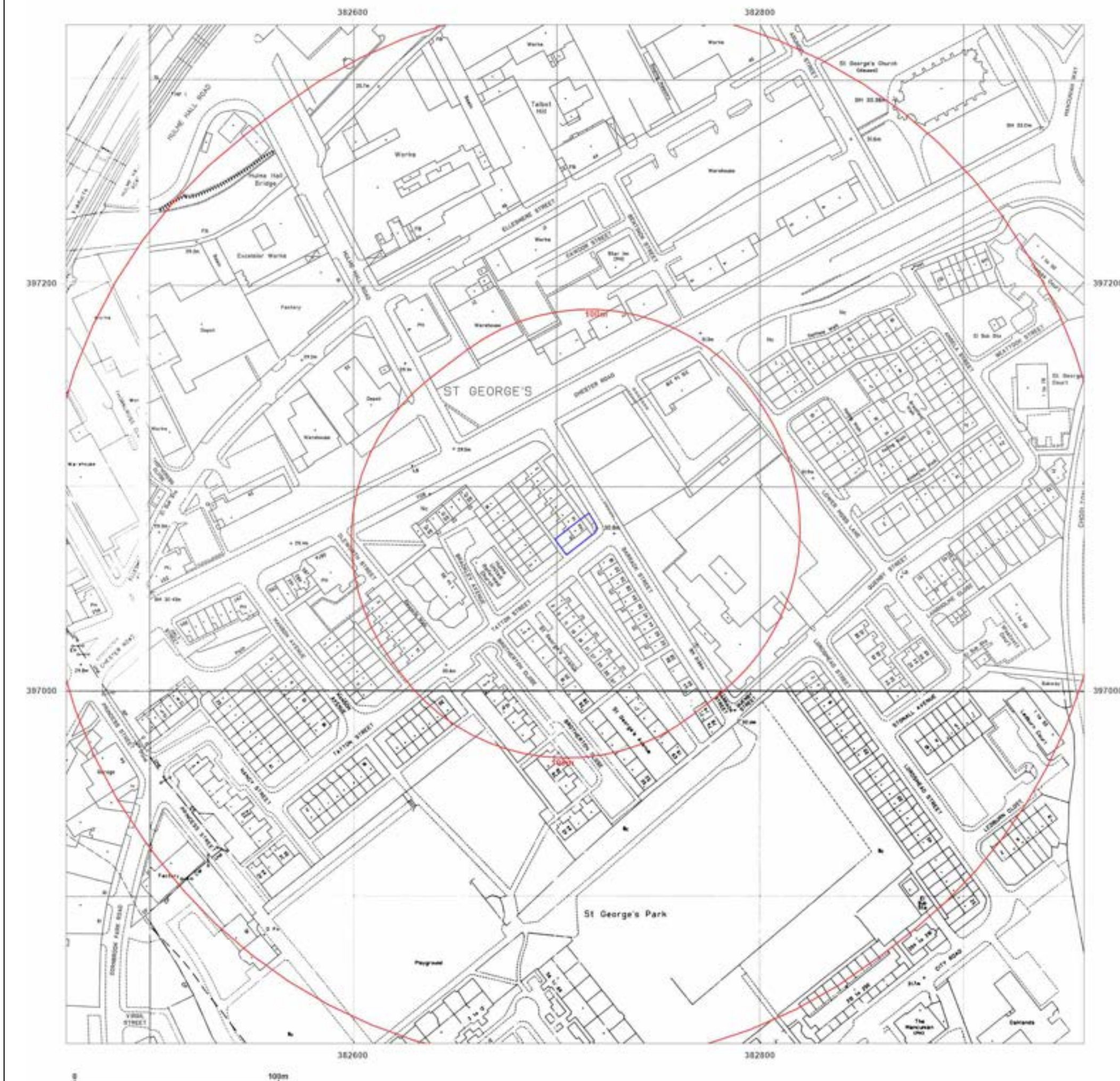
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Site Details:

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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1993-1995

Scale: 1:1,250

Printed at: 1:2,000



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

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

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

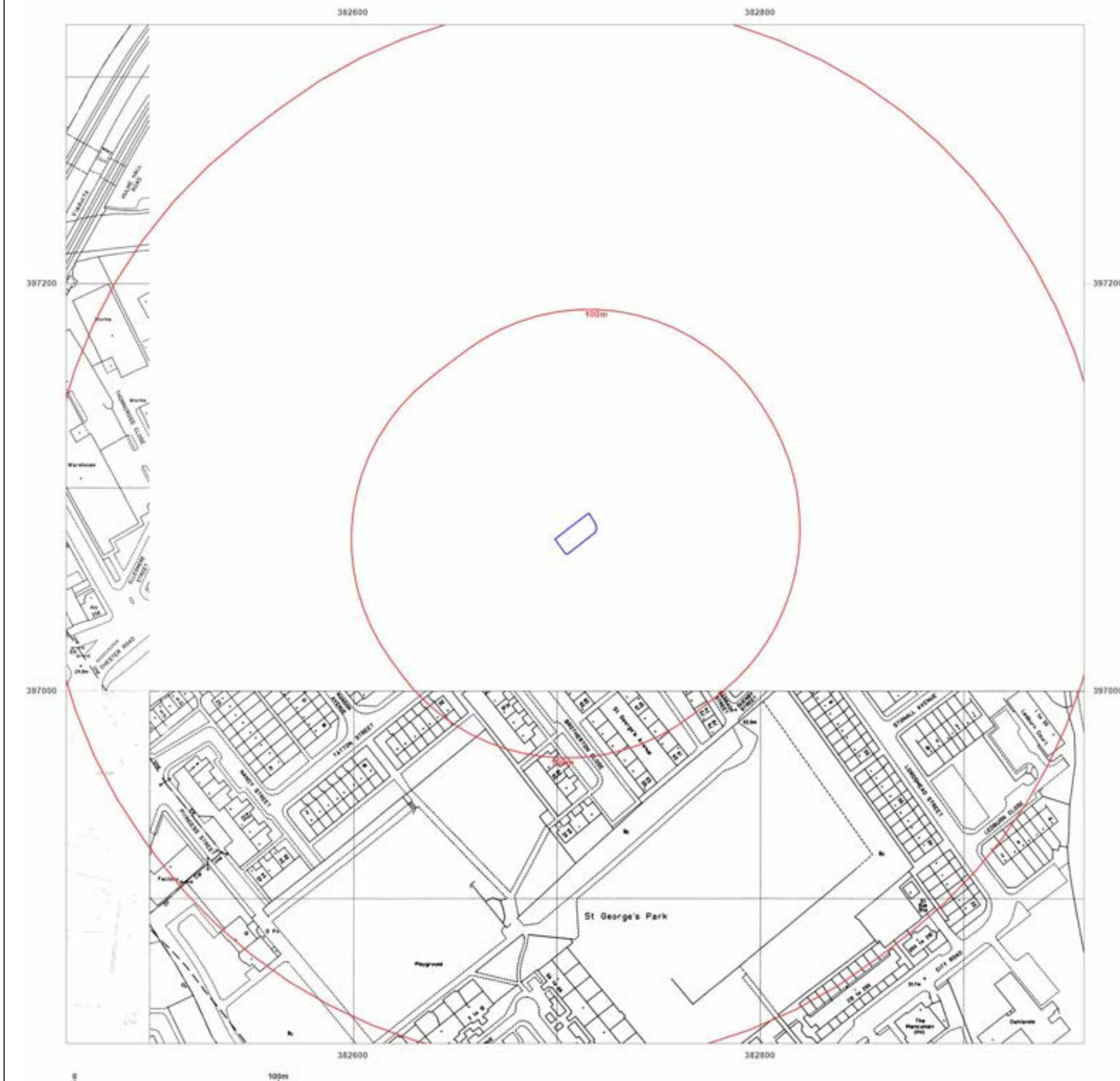


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1994-1995

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

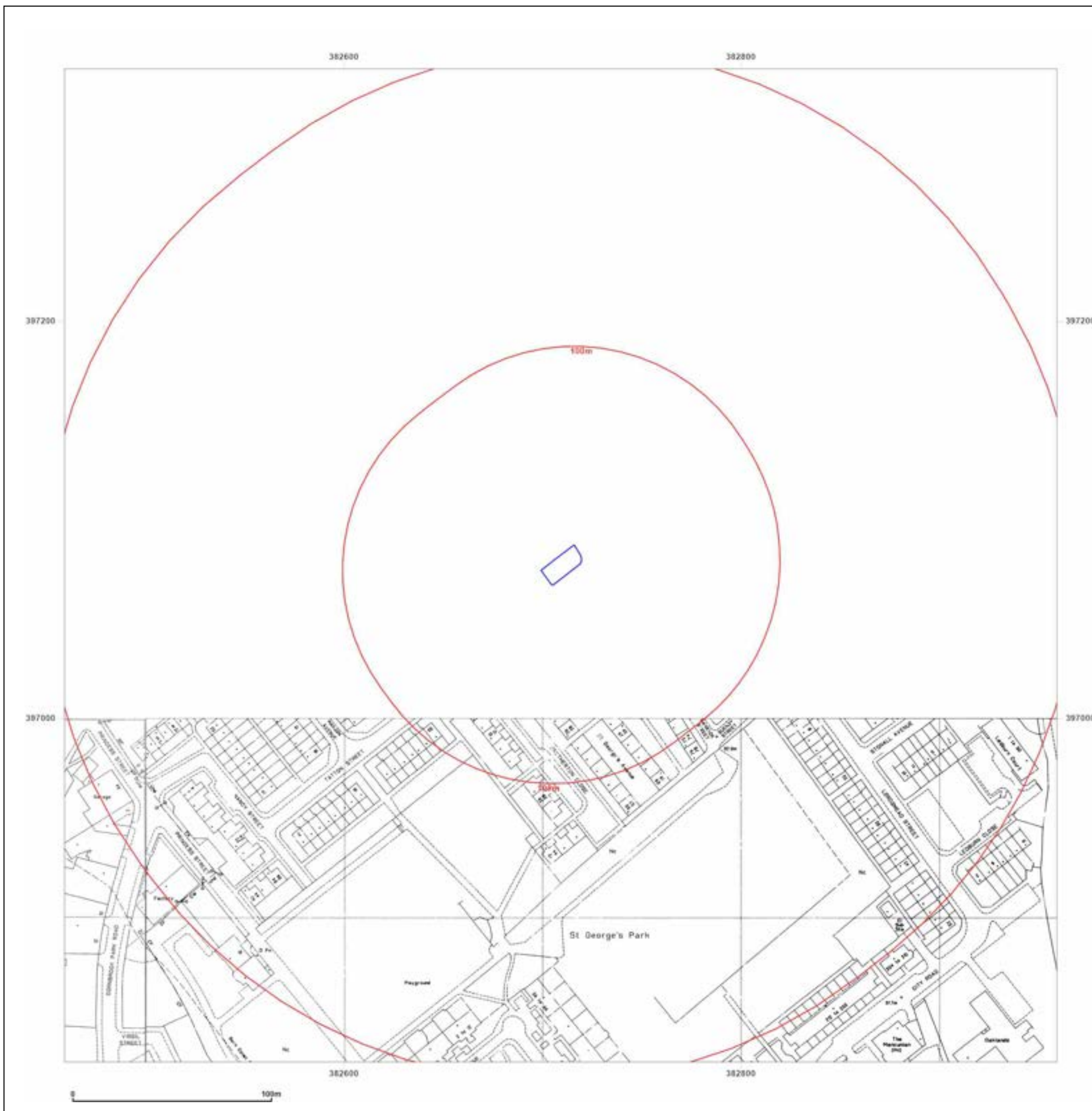


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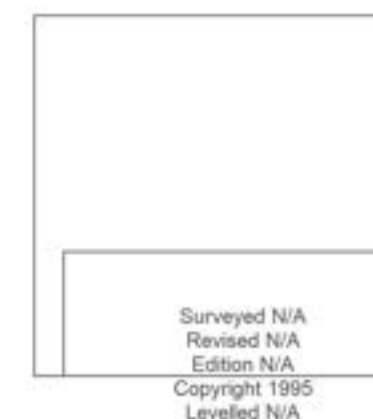
Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1995

Scale: 1:1,250

Printed at: 1:2,000

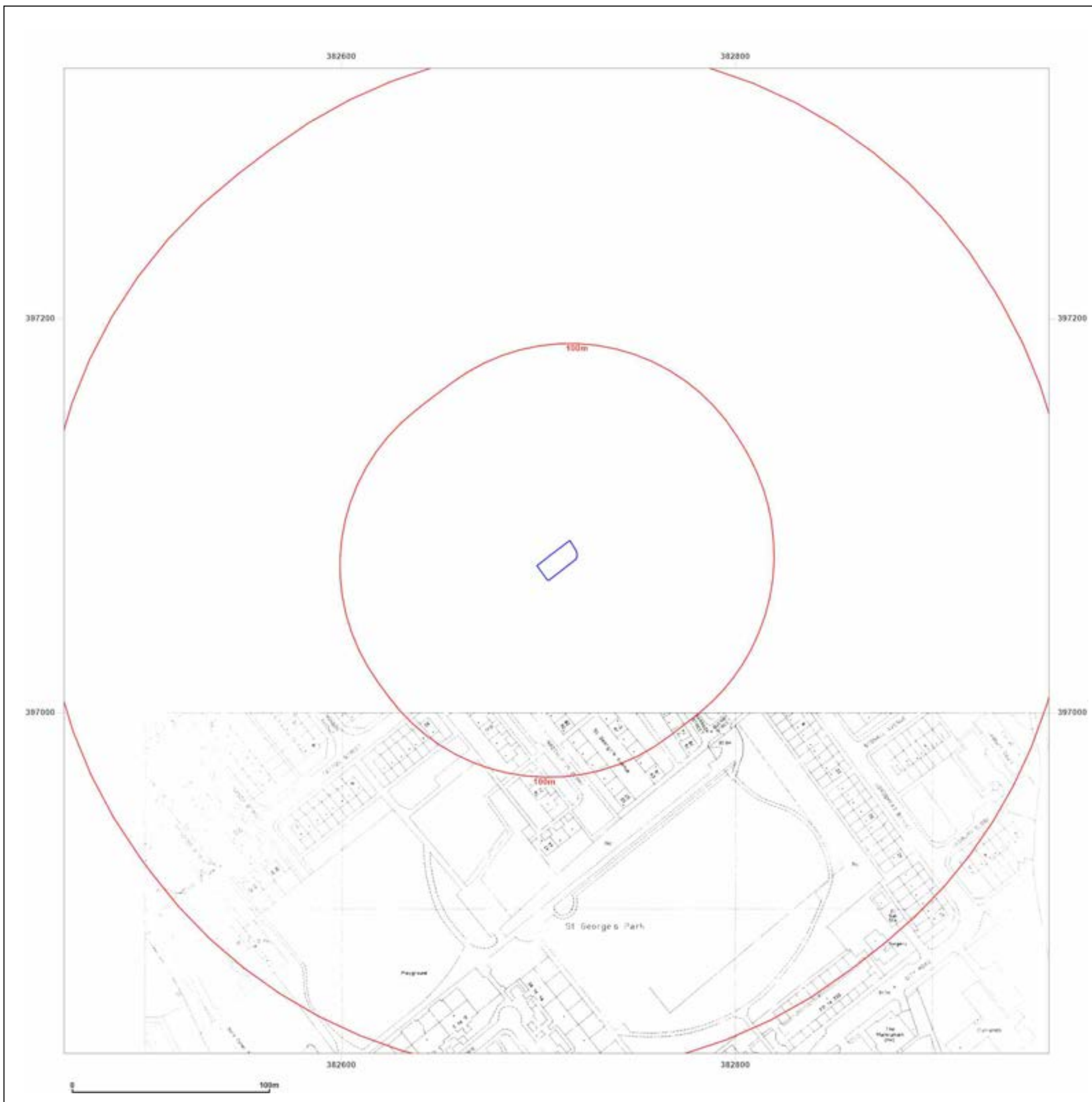


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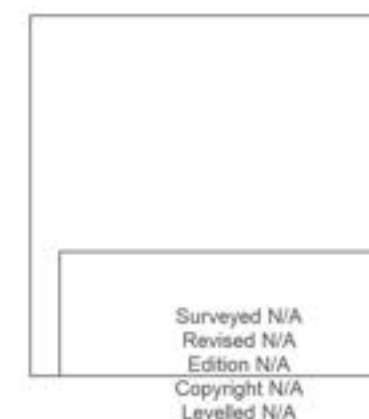
Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1995

Scale: 1:1,250

Printed at: 1:2,000

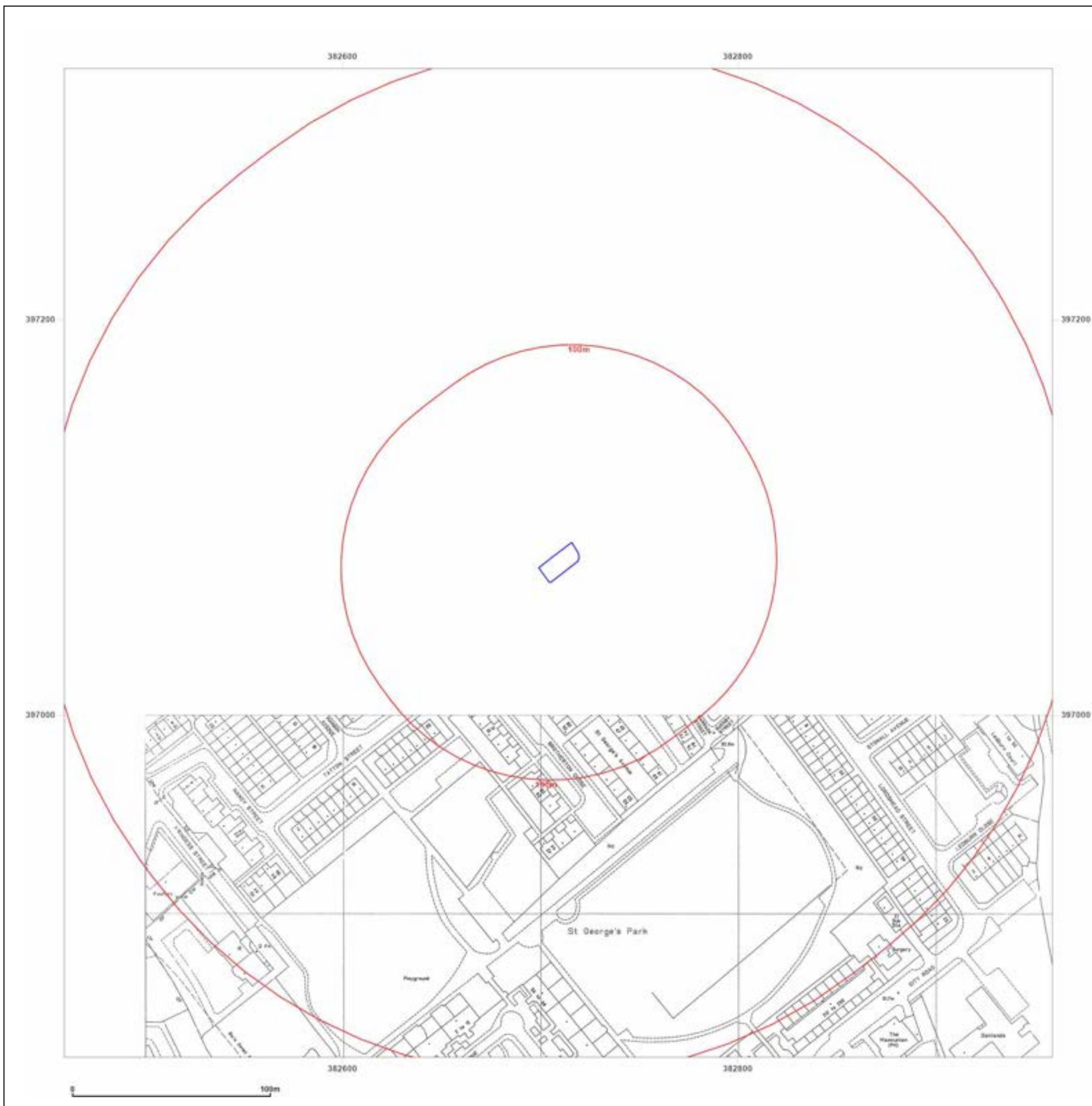


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

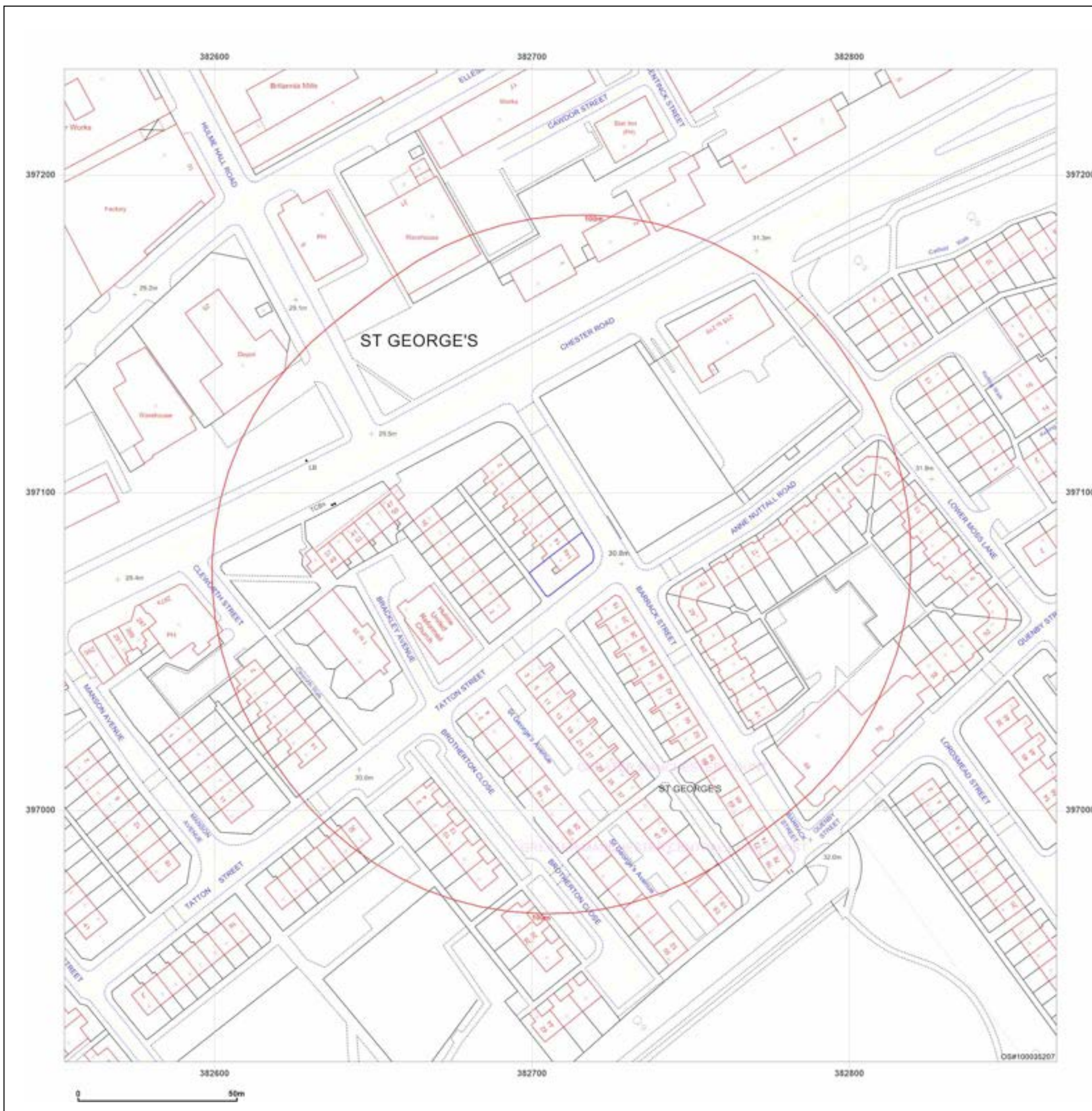


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1848

Scale: 1:10,560

Printed at: 1:10,560



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



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Site Details:

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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1894-1896

Scale: 1:10,560

Printed at: 1:10,560



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

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

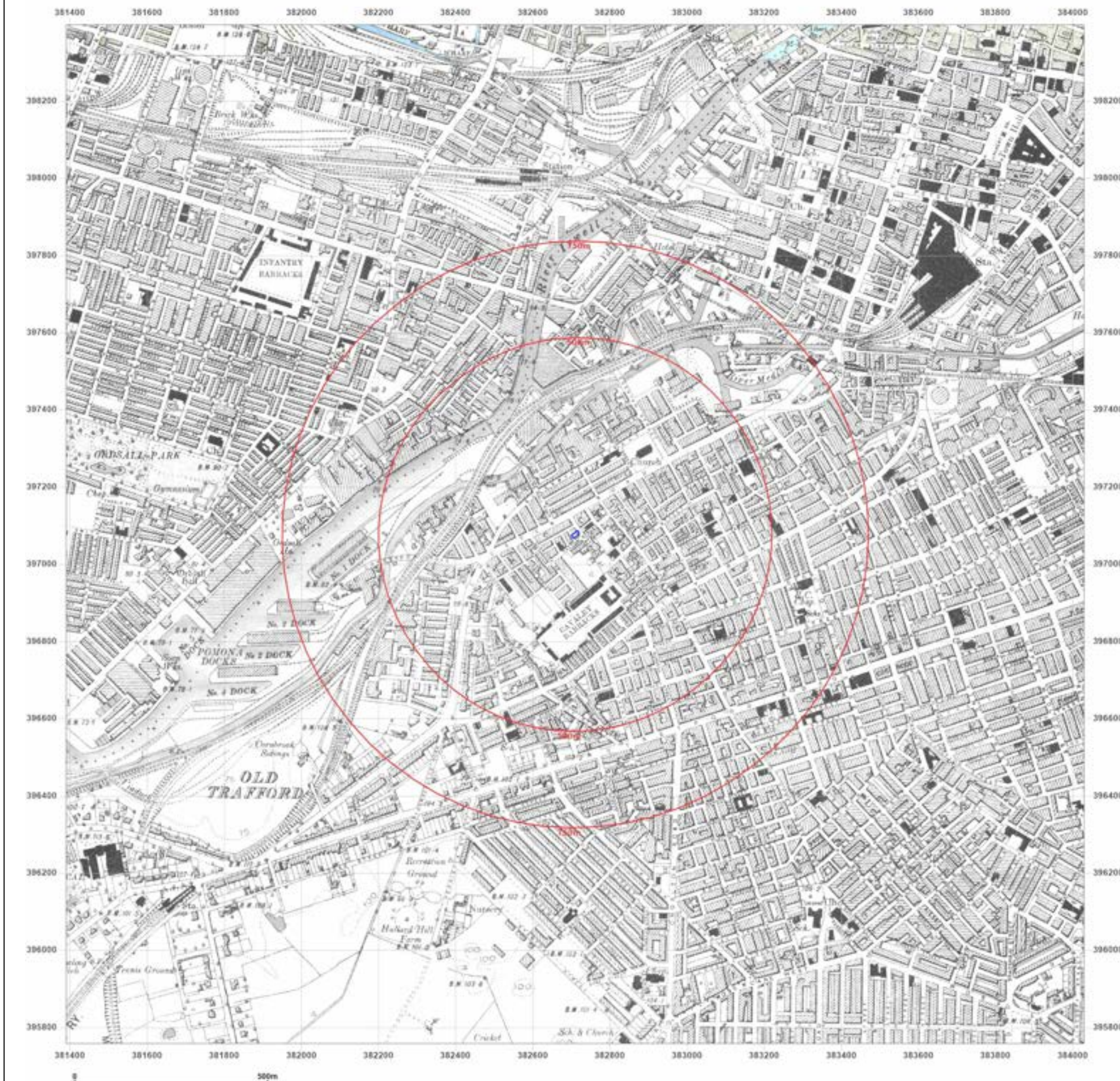


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1905-1906

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1906
Edition 1908
Copyright N/A
Levelled N/A

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

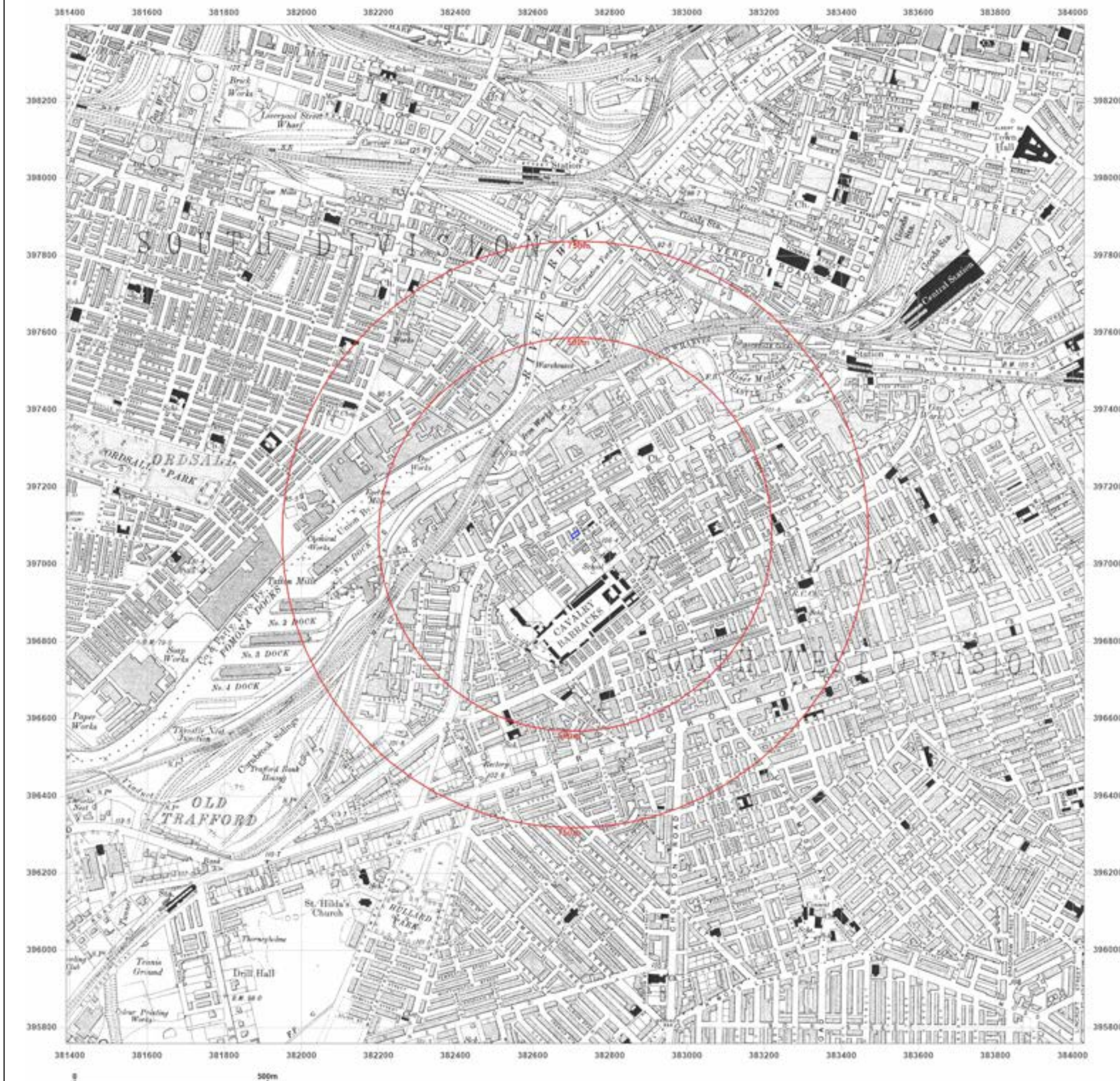


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1923

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1916
Edition 1923
Copyright N/A
Levelled 1915

Surveyed 1844
Revised 1916
Edition 1923
Copyright N/A
Levelled 1915

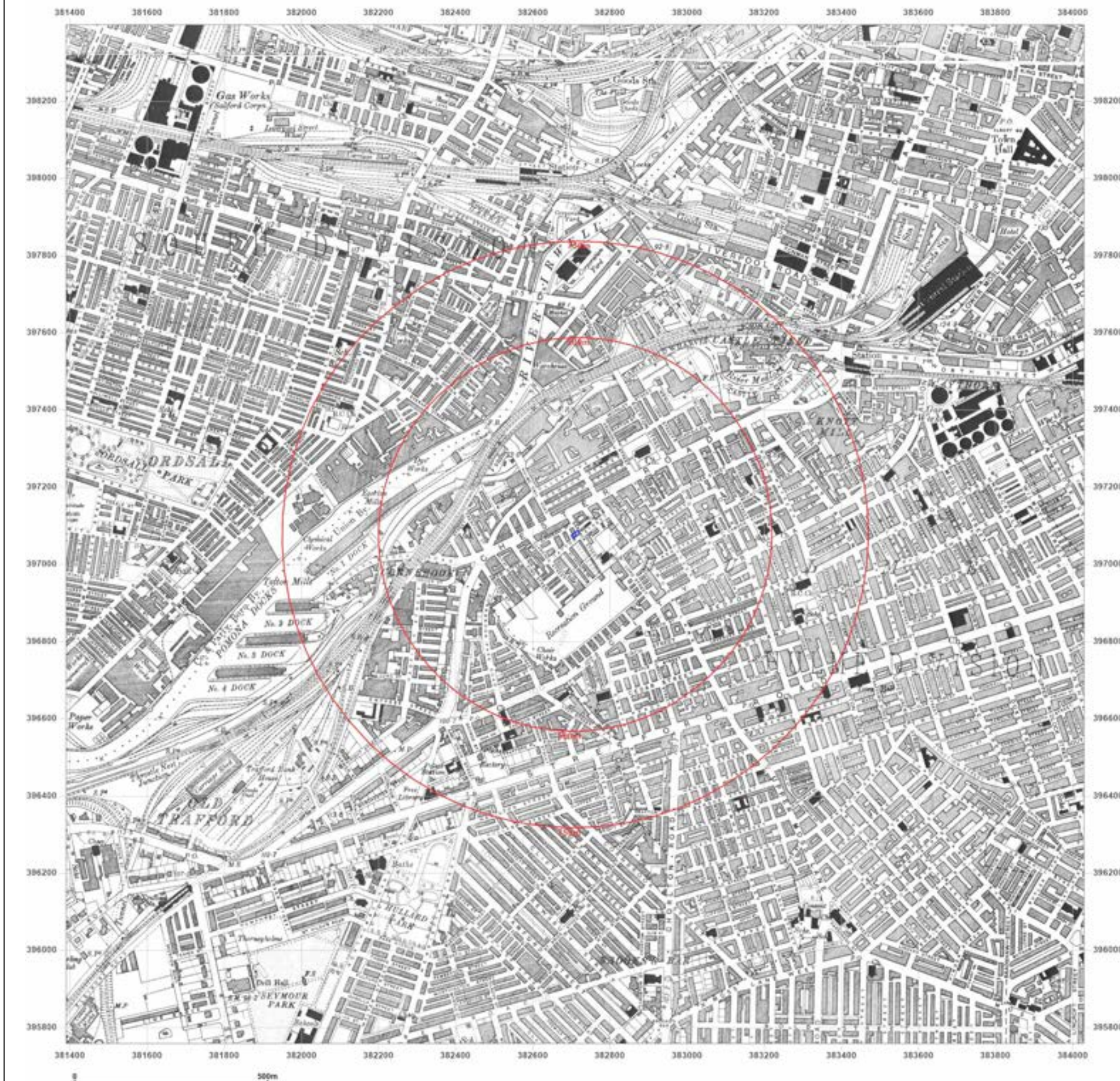


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1923

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1916
Edition 1923
Copyright N/A
Levelled 1915

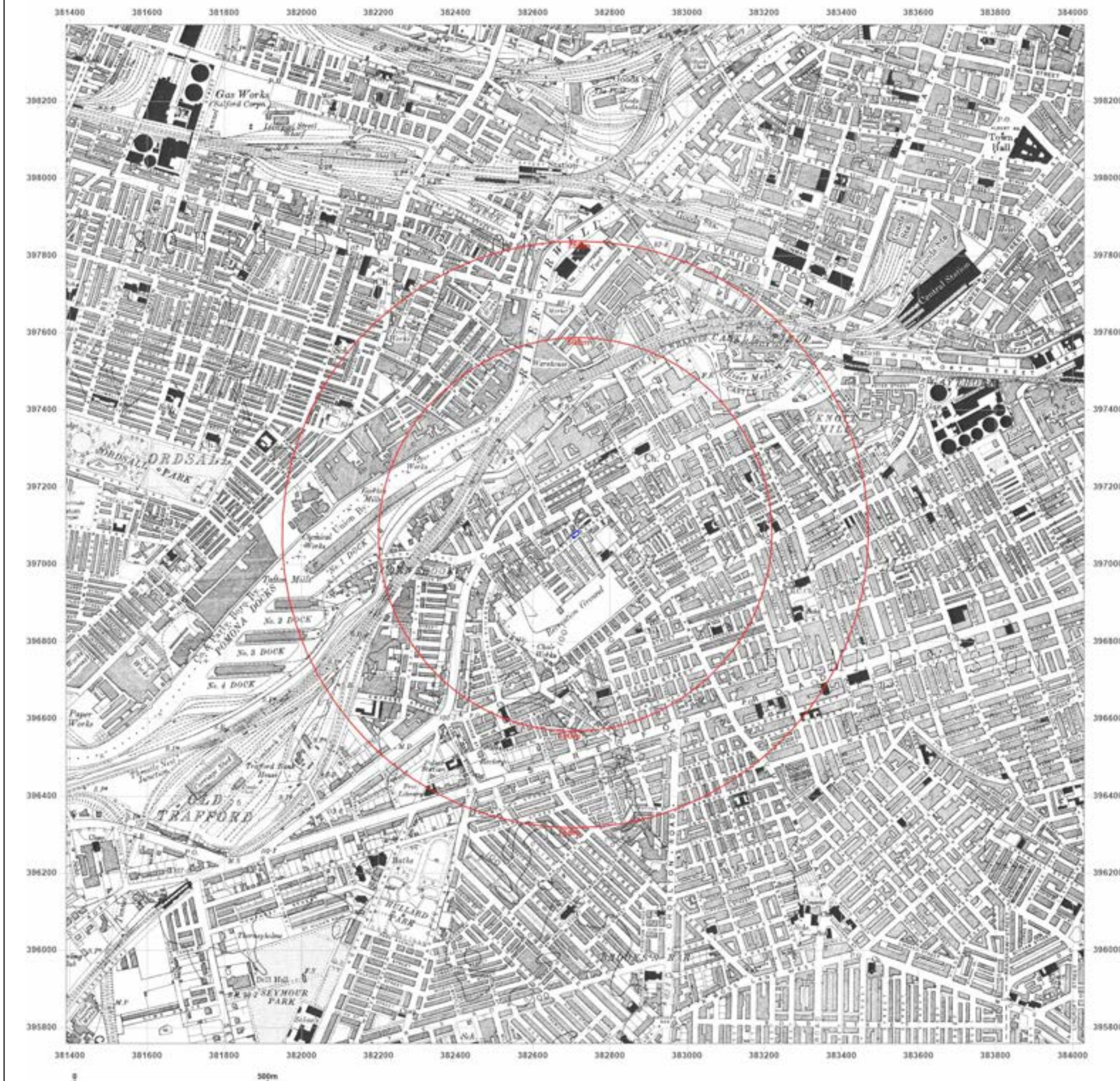


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1931-1932

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1931
Edition 1931
Copyright N/A
Levelled 1927

Surveyed 1844
Revised 1932
Edition 1932
Copyright N/A
Levelled 1927

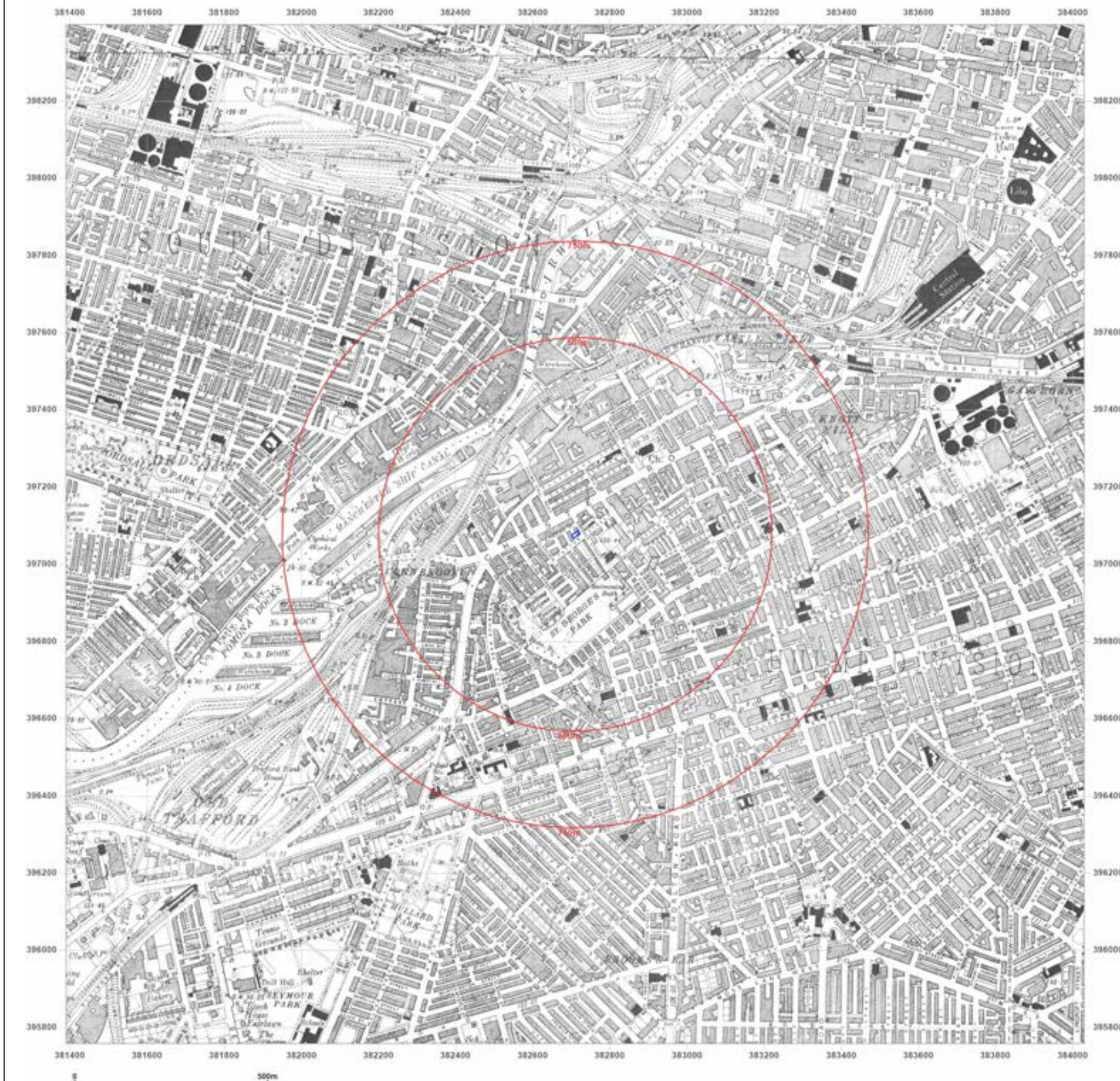


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Site Details:

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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1938
Edition 1938
Copyright N/A
Levelled 1927

Surveyed 1844
Revised 1938
Edition 1938
Copyright N/A
Levelled 1927



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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: Provisional

Map date: 1956

Scale: 1:10,560

Printed at: 1:10,560



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

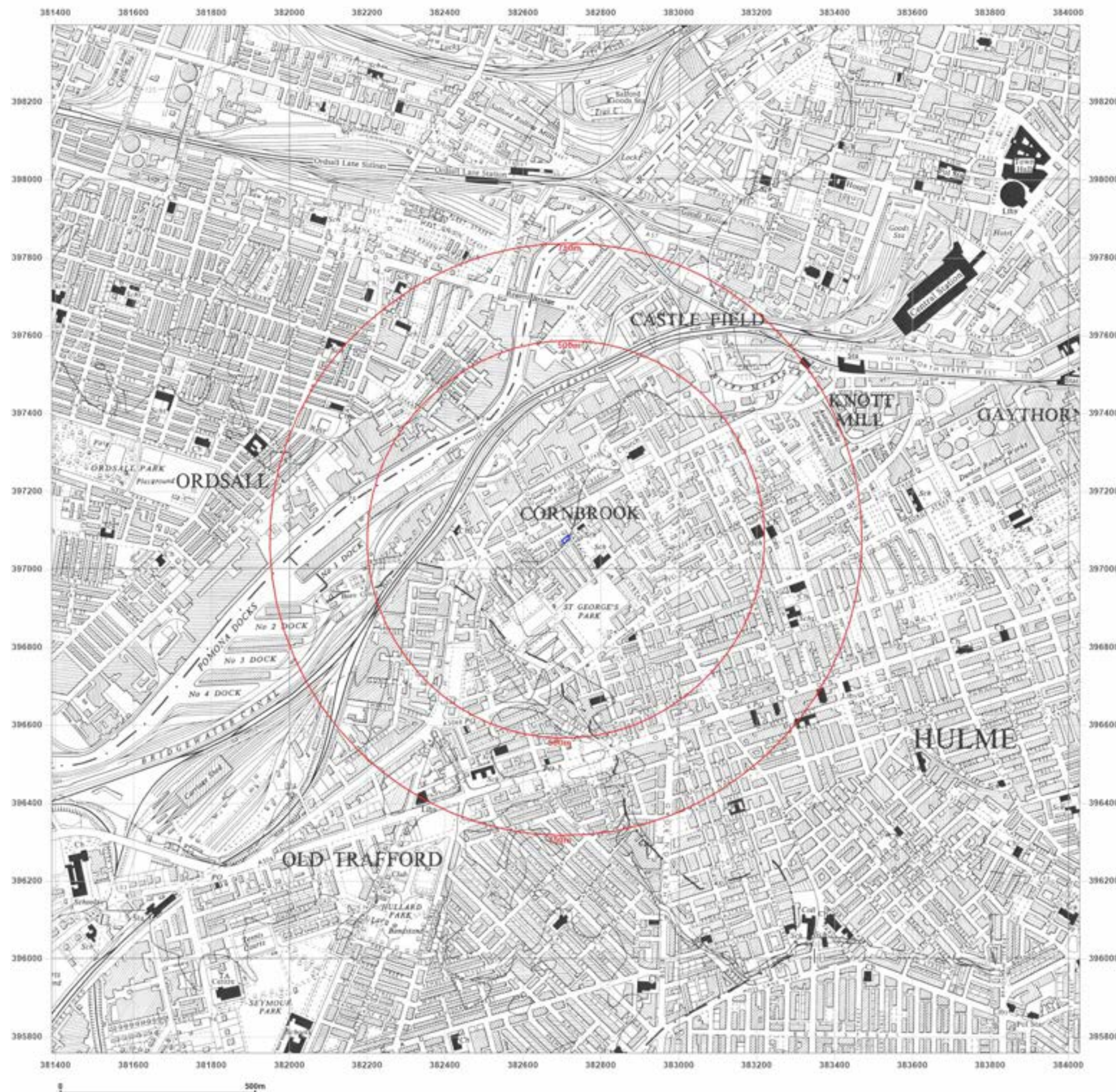


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1972

Scale: 1:10,000

Printed at: 1:10,000



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

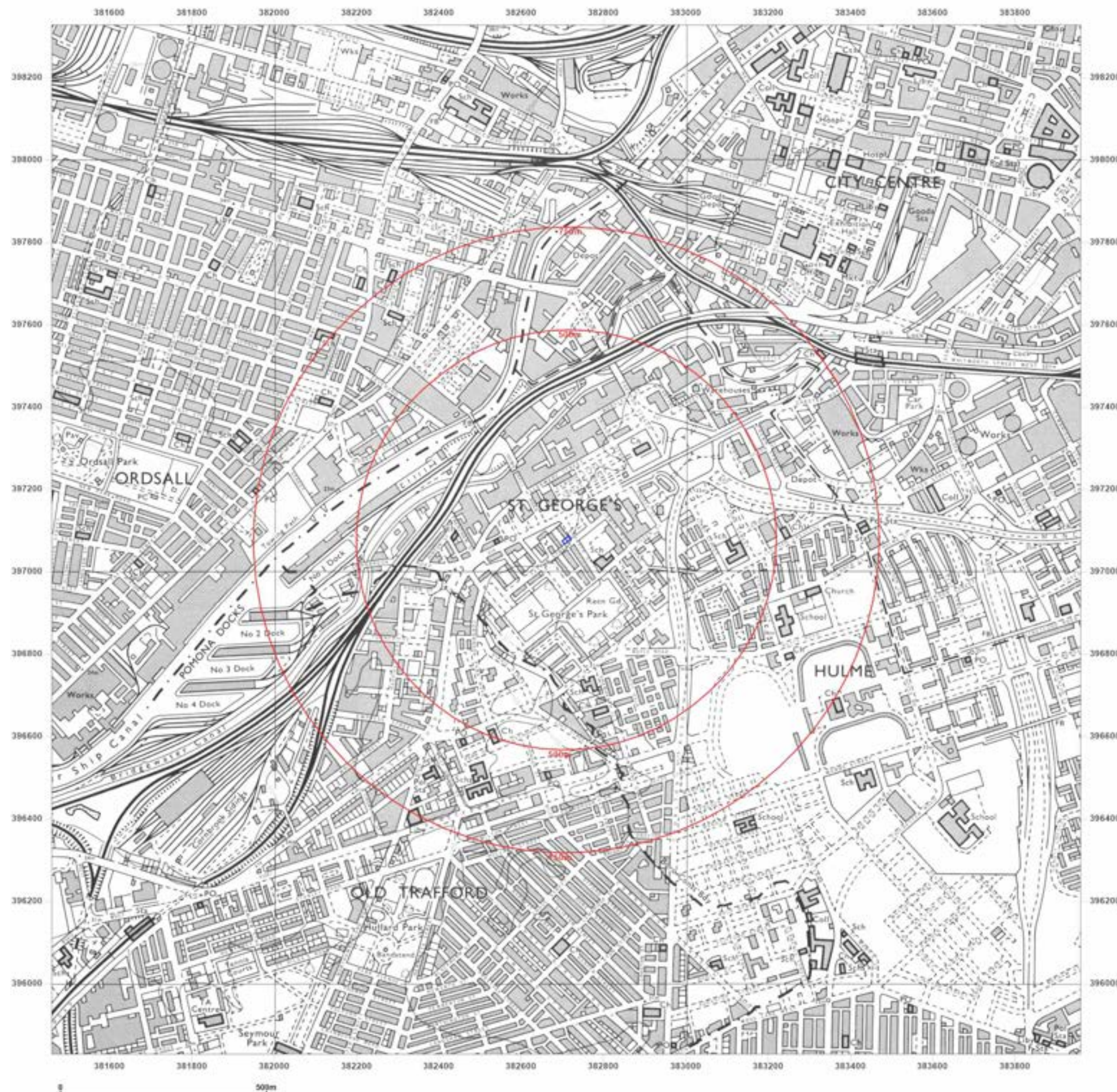


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1980

Scale: 1:10,000

Printed at: 1:10,000



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

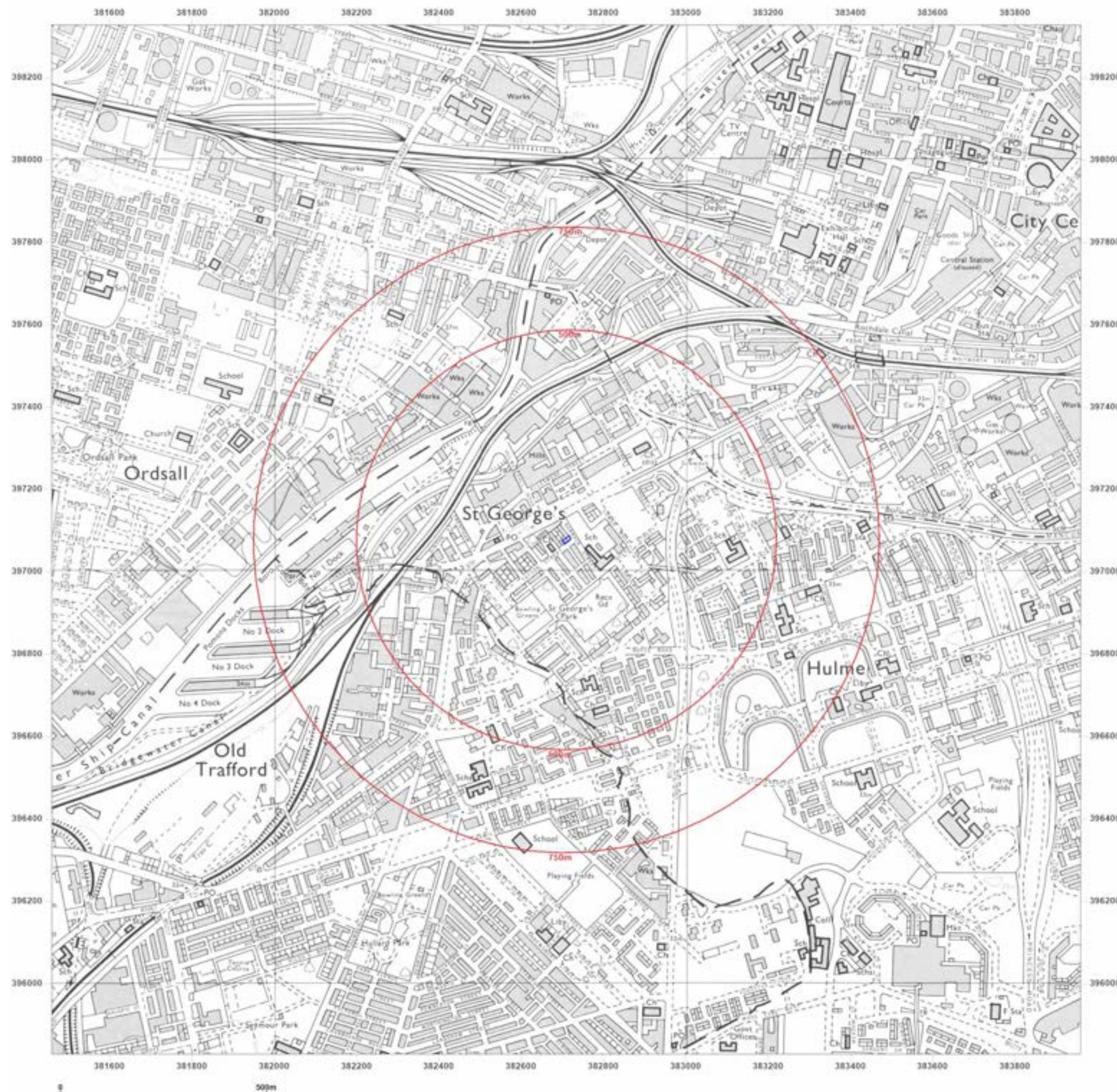


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1983
Revised 1985
Edition N/A
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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1988

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1986
Revised 1988
Edition N/A
Copyright 1988
Levelled 1981

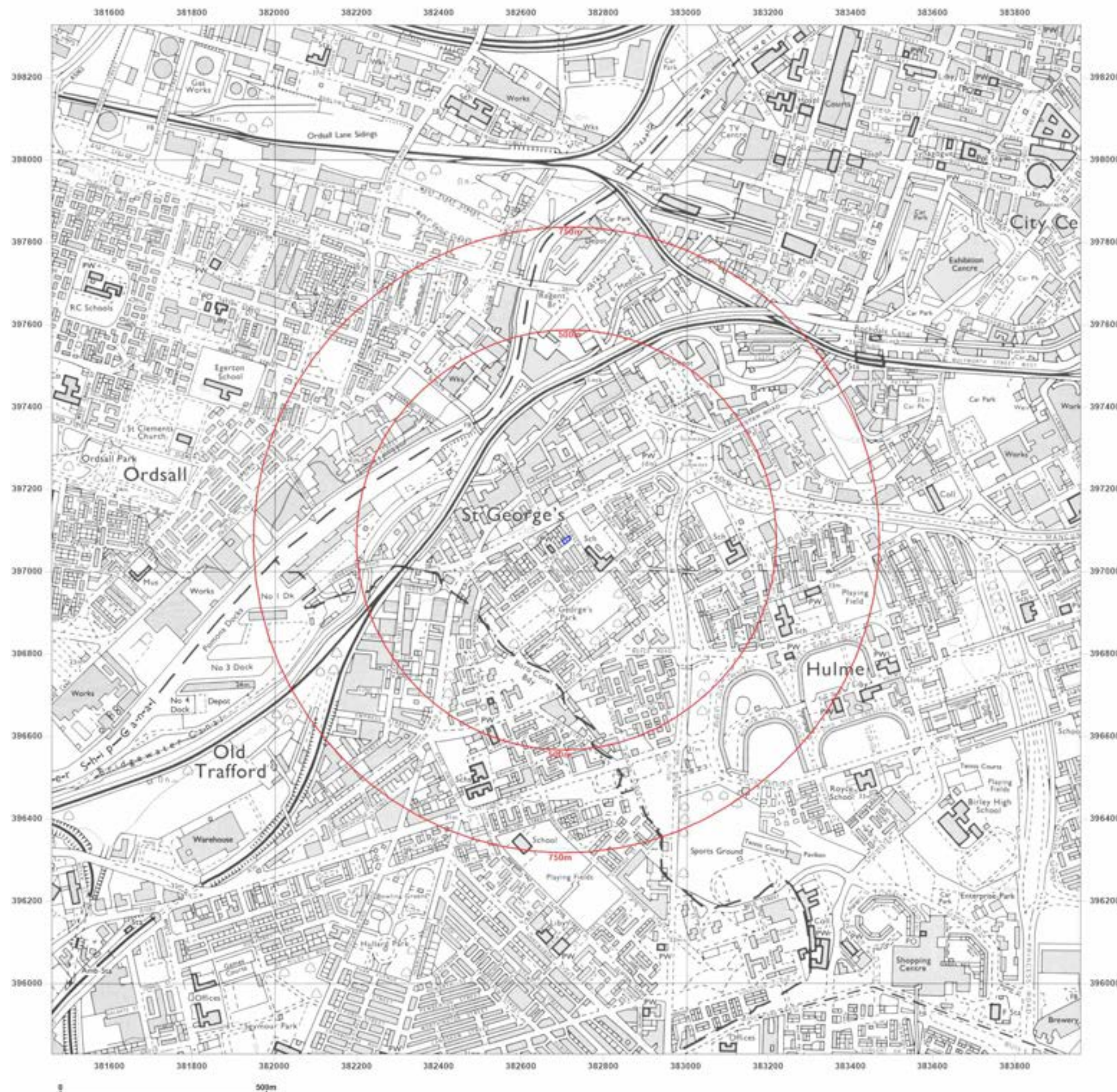


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 1994

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1986
Revised 1994
Edition N/A
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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

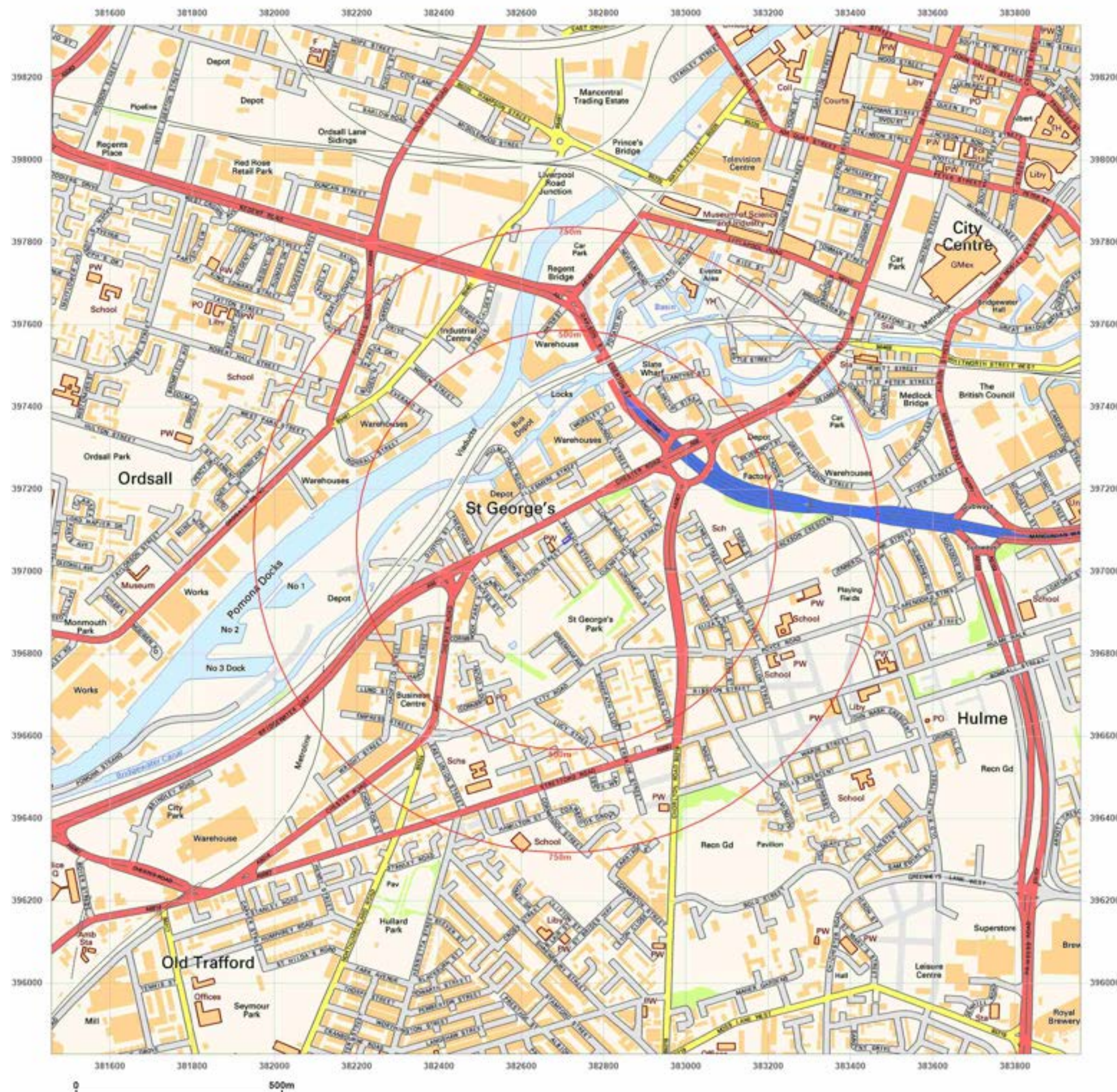


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MANCHESTER, M15 4ER

Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

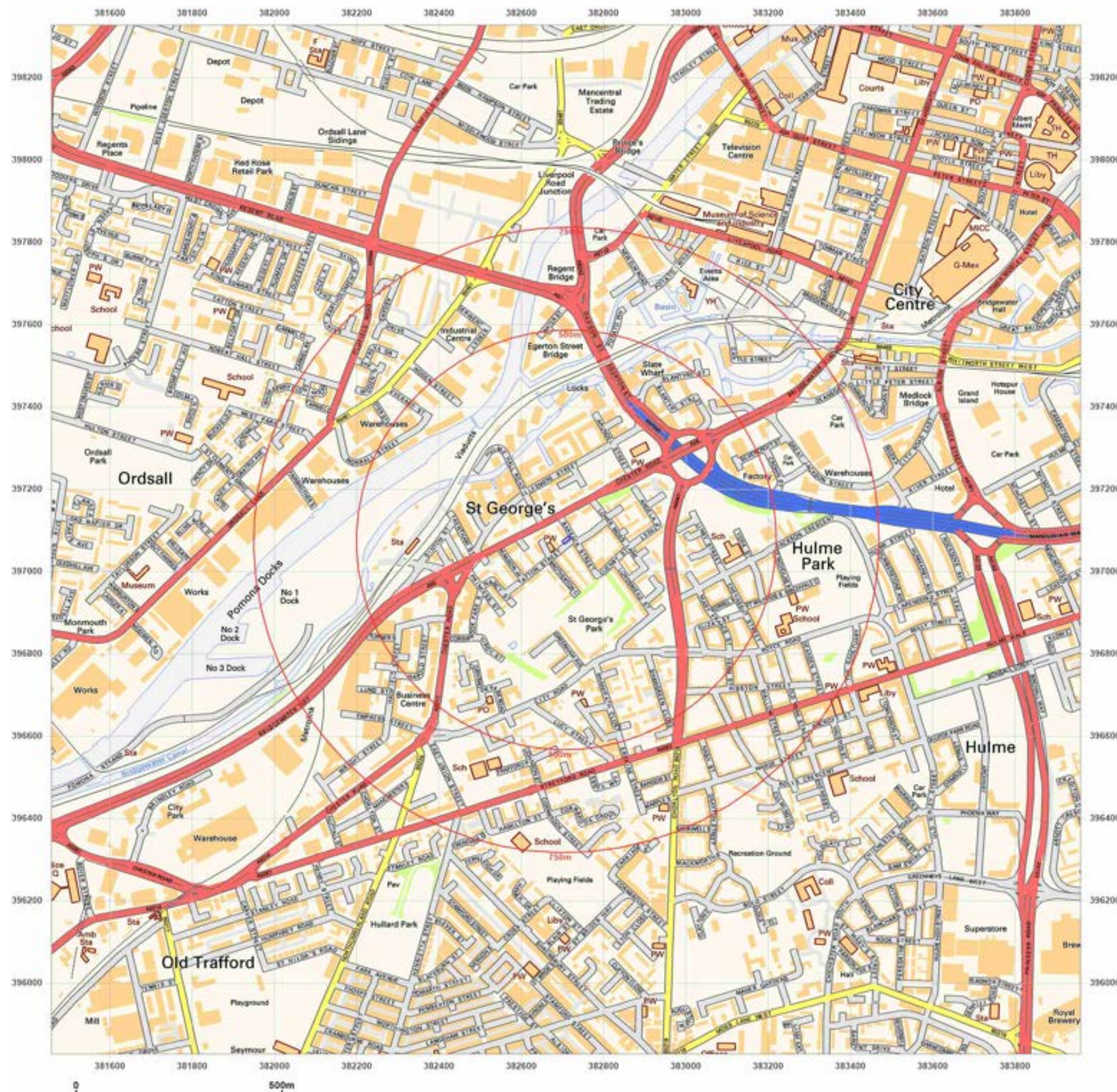


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Client Ref: 14a_Barrack_Street_Hulme
Report Ref: GS-7D7-ULY-N9V-LJL
Grid Ref: 382709, 397077

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000

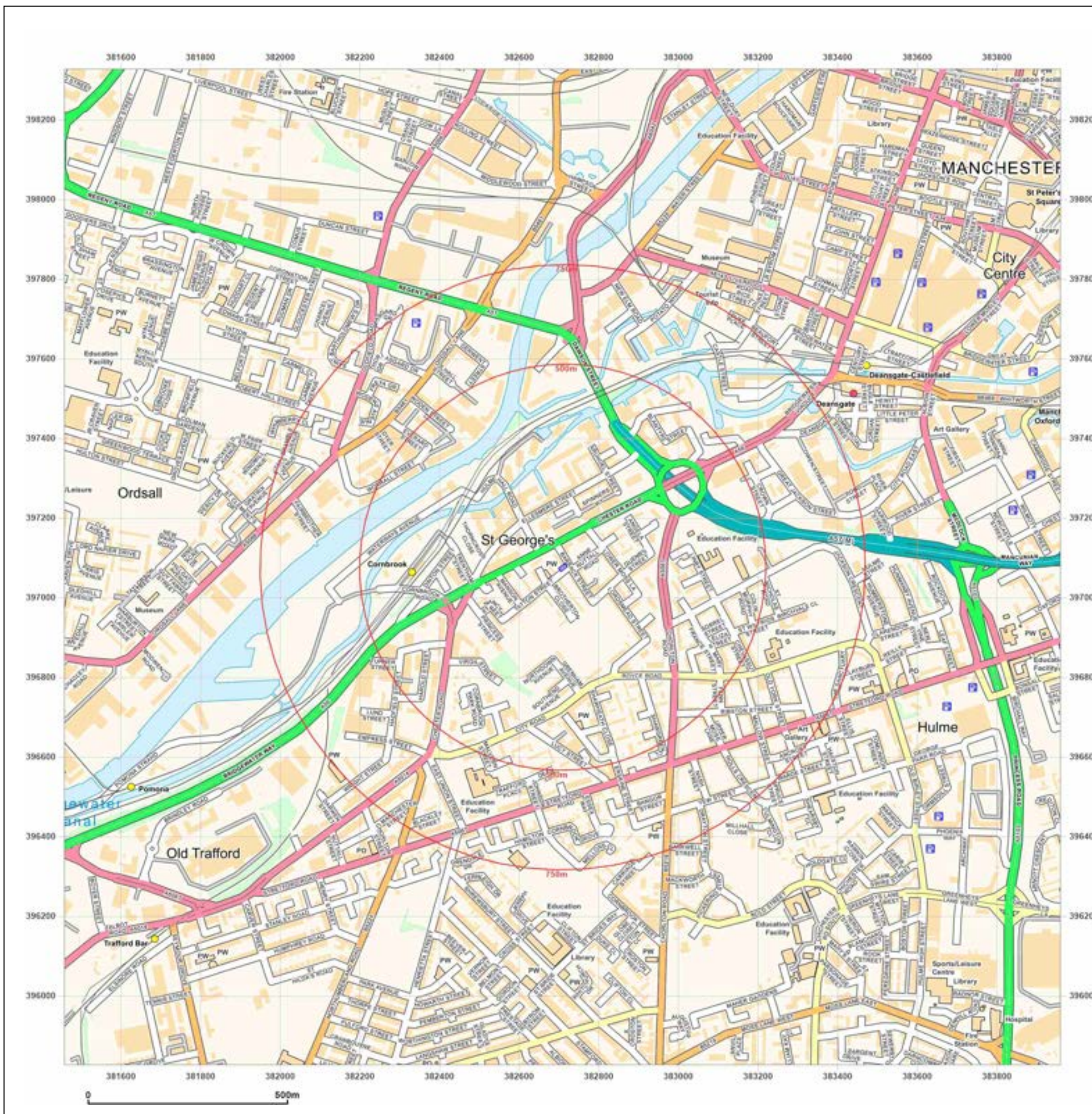


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Map legend available at:
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APPENDIX C – LIMITATIONS

This report was prepared by Adeptus (registered in England: 05908395) for the use of the client, named on page 1. The report has been prepared specifically on the basis of the end use as defined by the client. Any change of end use would necessitate review of this report and its findings. Use of or reliance on this report by any third party is not permitted without our express written agreement, and where this is given, will be subject to our terms and conditions.

We have prepared this report in our professional capacity using reasonable skill, care and diligence. The assessments, conclusions and recommendations within this report pertain to the study site (the extents of which are in Figure 1, below) and the immediate area in continuity with the Site. They are based on the established historical uses, information available at the time of writing and the proposed use of the Site. Where any information supplied by the client or other sources have been utilised, it has been assumed that the information is correct. No responsibility can be accepted by Adeptus for inaccuracies in data supplied by any other party.

Any plans, diagrams, cross sections or images are for illustrative purposes only and should be checked for accuracy on-site. In the event of changes to the proposed end use of the Site, the report may require updating to reflect such changes. Although reference may be made to archaeological, ecological or geotechnical issues, invasive species, flood risk and the presence of asbestos containing materials (ACMs), this report does not constitute an archaeological assessment, ecological assessment, geotechnical assessment, invasive species survey, flood risk assessment or asbestos survey and liability for any claim caused by arising out of or in any way involving asbestos is excluded.

New information relating to environmental matters can come to light after the report has been prepared and changes in conditions and regulatory requirements may occur in future. Either of those factors may change the conclusions presented in our report. If development does not take place within the expected timescales, consideration should be given to reviewing this assessment to confirm that no changes to the site or relevant legislation have taken place. No part of this report is intended to provide legal advice or opinion of any nature.