

Phase 1 Desk Study and
Preliminary Geoenvironmental Assessment

For a site at

Ancoats Works, Manchester

Undertaken for

Banidev Ltd

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1.0 INTRODUCTION

Appointment

- 1.1 WML Consulting has been commissioned by Capital & Centric / Kamani Property Group on behalf of Banidev Limited to undertake a Phase 1 Desk Study and Preliminary Geoenvironmental Assessment of a site located at the former Ancoats Works, Manchester to support a full planning application.

Proposed Development

- 1.2 The project comprises a residential-led development to provide 183 no. apartments and 10 no. duplex apartments (Use Class C3) and flexible commercial space (Use Class E/ sui generis) at the site of Ancoats Works on Pollard Street, Manchester.
- 1.3 The demolition and partial demolition of existing buildings is proposed, but the scheme includes retention of the southern area of the former industrial building together with its Pollard Street elevation.
- 1.4 Two new build residential blocks are proposed to the north of the retained building, with a central courtyard providing amenity space for use by residents. A ground floor commercial unit is proposed on the corner of Pollard Street and Carruthers Street.
- 1.5 The current proposed development plans are presented in Appendix 01.

Objective

- 1.6 The purpose of the desk study is to collate available geological and environmental data for the site and its environs in order to undertake a preliminary geotechnical and geoenvironmental appraisal and thus inform a site-specific conceptual model.
- 1.7 This enables a preliminary assessment of geo-environmental risks to be undertaken and provides information for the design of a geotechnical and geo-environmental ground investigation.
- 1.8 This follows current recommendations set out in the Environment Agency (EA) Land Contamination Risk Management document, October 2020, updated April 2021.

Scope

- 1.9 The desk study has comprised a site walkover on 17th September 2021 and a review of the following information sources:
- British Geological Survey (BGS) 1:50,000 scale, Sheet 85 'Manchester' (Solid & Drift editions).
 - BGS Digital Geological Map of Great Britain (DiGMapGB-50; available as a web map service).
 - Coal Authority interactive map viewer (available as a Web Map Service).
 - The site and surrounding area's geological and environmental setting from data presented in the site specific GroundSure Environmental Insight Report (Appendix 03).
 - Historical Ordnance Survey maps as provided by GroundSure (Appendix 03).
 - BRE Publication 211 (2015) "Radon: Guidance on Protective Measures for New Buildings".
 - Review of free public sector information through QGIS viewer licensed under the Open Government Licence v3.0.
 - A review of available geo-environmental reports for the subject site.
 - Preliminary review of UXO/UXB risks (Appendix 04).

2.0 SITE SETTING

Description	Comments
Site Address	Ancoats Works Pollard Street Manchester M4 7AS
National Grid Reference	385696E, 398485N
Site Area	0.55 hectares
Site Location	The site is bounded by:- North – Ashton Canal and residential properties off Piercy Street. North-east – Shared access to the Hope Mill Theatre. East –Pollard Street with residential properties beyond. South – Junction of A662 and Caruthers Street. West – Caruthers Street with mixed residential and commercial properties beyond.
Site Description	The northern and eastern sections of the site comprise the former Ancoats Works, being a two to three-storey brick structure. In September 2021, the structure was partially disused with sections utilised as a storage area for office and retail equipment. The main building had two large side by side bays approximately 13.5m wide by 56m long. The main building to the south-west of the halls is two and three storeys high and thought to have been offices serving the original mill. The roof across the majority of the structure appears to be corrugated PVC or metal sheeting. Several of the internal walls were lined with loose plastic sheeting from roof to floor level to reduce water ingress. The structure is also still served by gas and electricity as indicated in the photographs in Appendix 02. A section of the roof close to the north-western boundary with the canal had collapsed adjacent to a large brick chimney. The area is not accessible internally and combined with dense vegetation is only visible from the opposite side of the Ashton Canal. No visible / olfactory evidence of contamination or any surface hydrocarbon tanks were noted during the inspections, although the chimney in the north-west is likely to be close to the anticipated historic boiler house. The southern section of the site primarily comprised the former Bank of England public house, which had been disused for several years by the time of the walkover in 2021. The structure was of brick construction and two-storey in height. An infilled brick arch just visible at ground level to the most north-eastern elevation indicates the presence of a basement at least to parts of the structure. The western and north-western sections of the site were surfaced with a mix of hardcore, concrete and asphalt hardstanding used as a car park. A series of wooden pallets and metal fencing were also being stored in the car park to the rear of the main structures. Localised low-lying vegetation was noted to the perimeter of the car park and along the north-western boundary with the canal. The south-western elevation of the main structure, close to the car park includes an unsupported brick wall, with the adjacent car park secured from use. The north-western boundary of the site is formed with the Ashton Canal where a sections of the main structure also forms or is integrated into the canal wall. The

Description	Comments
	remaining sections of the canal wall appear to comprise a mix of brick and stone and is densely vegetated. Several mature trees are located to the top of the canal wall with many saplings and low lying vegetation growing through the wall on the canal side. Photographs of the site are provided in Appendix 02.
Topography	A topographic survey had not been completed prior to the issue of this report. However, the Pollard Street elevation is relatively level and commensurate with the surrounding areas. The Carruthers Street elevation reduces from the Ashton Canal road bridge in the north-west by approximately 2.00m toward the public house on the south-western corner of the site.

3.0 ENVIRONMENTAL SETTING

3.1 The following sections on the environmental setting of the site are summarised from the GroundSure Enviro Insight Report and a review of the information sources outlined within Section 1.9.

Description	Comments	
Geology (1:10, 000, 1:50,000 scale Map Sheets and digital mapping)	Artificial Deposits	None recorded.
	Superficial Deposits	Devensian Glacial Till comprising mainly clay but possibly with interbedded sand and gravel horizons.
	Solid Strata	The majority of the site is underlain by the Upper Carboniferous Halesowen Formation which generally comprise mudstone, siltstone and sandstone. The extreme western section of the site is inferred to be underlain by sandstone of the Permian Collyhurst Sandstone Formation.
	Geological Faults	None indicated within 250m of the site.
	BGS Records	None.
Mining and Subsidence	In consideration of the underlying geology, the risk from shallow coal mining activity at the site is considered low and can be discounted. This is confirmed by Coal Authority Interactive Website records which confirms the site not to be within a 'development high risk area'. The risk from non-coal mining activity at the site is also considered very low.	
Radon	The site is not in a Radon Affected Area as defined by Public Health England where sections of the site have less than 1% or 1 to 3% of properties are above the Action Level of exposure. Therefore, no radon protection measures are necessary for new structures as described in publication BR211 by the Building Research Establishment.	
Hydrogeology	Superficial Aquifer	Secondary Undifferentiated Assigned where it is not possible to attribute either category A or B to a rock type. Previously been designated as both minor and non-aquifers.
	Bedrock Aquifer	Secondary A Geologically 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. Formerly classified as minor aquifers.
	Source Protection Zone (SPZ) within 500m	None.

Description	Comments		
	Groundwater Abstractions within 900m	None.	
Hydrology	Surface Water Features within 250m	Ashton Canal forming north-western site boundary.	
	Surface Water Abstractions within 1Km	None.	
Landfill and Waste Management Activity	Active Landfills within 500m	None.	
	Historical (Environment Agency (EA)/Local Authority) Landfill within 250m	None.	
	Other Waste Sites within 250m	1no 178m south-west at the site of a former waste paper works in use until 1955.	
Industrial Land Use Information	There are 17no potentially contaminative industrial sites recorded within 250m of the subject site. The closest relate to:-		
	Distance (m)	Direction	Activity
	4	SE	Electricity sub-station
	15	NE	Plate and print finishers
	28	SW	Electricity sub-station
	Underground High Pressure Pipelines within 500m		None.
	Petrol Filling Stations within 250m		None.
Environmental Permits, Incidents and Registers	Active Permits Incidents/Registers		Distance (m)
	IPC Authorisations, Part A(1),		250
	Part A(2) Authorised Activities		250
	Part B IPPC Authorised Activities		250
	List 1 or List 2 Dangerous Substances Inventory Sites		250
	Radioactive Substance Authorisations		250
	Recorded Pollution Incidents		250
		5no with minor impacts from mixed commercial / household and tyre wastes to	

Description	Comments		
			land and air 70m, 83m and 127m south- west.
	Contaminated Land - Section 78R of the Environmental Protection Act 1990	250	None
Potential Flood Risk	Detailed assessment of flood risk is outside the scope of this report. However, reference to the EA website and the Groundsure report indicates that the risk of flooding from rivers and the sea (RoFRaS) is currently designated as 'very low'. The site is indicated on BGS records to be within an area which is considered to have a low risk of groundwater flooding.		
Environmentally Sensitive Sites	The site is located within a Site of Special Scientific Interest Impact Zone. These zones require additional consultation if new development include aviation, air pollution from industrial processes and general combustion activities. The proposed development falls outside these types of development. It is understood an Ecological Appraisal has been submitted in support of the planning application which includes further assessment of environmentally sensitive sites.		
Archaeological Information	No archaeological information has been obtained for the purpose of this report. However, it is understood that an Archaeological Assessment has been prepared and submitted with the planning application and should be read in conjunction with this report.		
UXO	The site is within an area indicated to be at medium risk from Unexploded Bombs (UXB's) associated with World War II. The Preliminary Bomb Risk Plan by Zetica in Appendix 04 indicates that a moderate risk is an area where the bombing density is between 15 to 49 bombs per 1000 acres. The 1951 Groundsure map indicates a section of the Albert Cabinet Works as a 'ruin', which considering the date, may be associated with bomb damage from an air raid. This was not indicated as a known / recorded bomb damaged site on the Zetica Plan. However, the Zetica plan does not form a UXO risk assessment and is provided for preliminary guidance only. Therefore, a Preliminary UXO survey would need to be undertaken as part of the planning application.		

4.0 HISTORICAL SETTING

- 4.1 The historical development of the site has been determined by reference to archive Ordnance Survey (OS) map extracts obtained from the GroundSure EnviroInsight Report in Appendix 03.
- 4.2 The earliest map dated 1848 indicates the site was developed with a section of the larger Hope (Cotton) Mill in the north and eastern areas, with a small cotton mill and chimney in the west adjacent to Caruthers Street. A travelling crane was also depicted at or close to the north-eastern site boundary. A small smithy was located in the western section, with The Bank of England public house in the southern section. Anecdotal information indicates that this included a small brewery in the ancillary structures. The north-western site boundary was formed with the Ashton and Stockport Canal.
- 4.3 By 1891, the larger Hope Mill was described as Ancoats (Engineering) Works and the smaller cotton mill had been extended southwards across the area of the smithy. The small structures surrounding the public house in the south also appeared to be redeveloped as part of the Ancoats Works.
- 4.4 By 1908, localised extensions to the Ancoats Works were evident in the central site area with the cotton mill to the west disused by 1932.
- 4.5 By 1948, the former cotton mill was described as a Ministry of Works Warehouse and Ancoats Engineering Works was primarily the Albert Cabinet Works with a smaller engineering section remaining in the western section of the structure.
- 4.6 By 1951, a small section of the Albert Cabinet Works was described as a 'ruin'.
- 4.7 By the late 1950's the 'ruin' had been cleared and the remaining structures were in use as unknown works and warehouses.
- 4.8 The site then remained relatively unchanged until the clearance of the former cotton mill (later warehouse) in the western section of the site. This area has since remained undeveloped and currently forms a car park.
- 4.9 Since the earliest plans, the Bank of England public house has remained relatively unchanged until the present day.
- 4.10 The area surrounding the site has historically comprised mixed residential and industrial development, including several cotton mills, a silk mill and a gas works all within 50m of the site boundaries. Such historical industrial development in the wider surrounding areas included:
- Hope Mill Gas Works – 10m east.
 - Hope Mill boiler house and chimney (later a printing works) – 10m north-east.
 - Rhodes (Cotton) Mill – 15m west.
 - Phoenix and Wellington (Cotton) Mills – 30 to 35m north-west.
 - Broderick Silk Mill – 50m north-east.
 - Iron foundry – 70m west.
- 4.11 More recently, the wider area has been cleared of many of the industrial structures and redeveloped with mixed commercial and residential structures.
- 4.12 On the basis of the site's past industrial uses including cotton mills, a smithy, engineering works and to a lesser extent the cabinet works, with further industrial processes, including a gasworks, in close proximity, the presence of ground contamination associated with these historical industrial processes cannot be discounted.
- 4.13 The presence of Asbestos Containing Materials (ACM) and asbestos fibres within near surface deposits resulting from historical site demolition cannot also be discounted.

5.0 SUMMARY OF PREVIOUS SITE INVESTIGATION

Overview

- 5.1 The following reports have been provided by the client and have been reviewed and summarised below.
- Phase 1 Geoenvironmental Desk Study Report, reference 1364-002-001, dated December 2018, by Westlakes Environmental.
 - Phase 2 Ground Investigation Report, reference 1364-005-001, dated July 2018, by Westlakes Environmental.
- 5.2 The following paragraphs provide a brief summary of the salient issues highlighted in the above documents.
- 5.3 The Westlakes reports were undertaken for a slightly smaller site area which did not include the Bank of England public house in the southern section of the current development boundary. The reports were also undertaken for refurbishment of the existing Ancoats Works structure for a commercial end use.
- 5.4 In consideration of the proposed end use in 2018, the Phase 2 report included an intrusive investigation comprising the formation of 6no window sample holes, 3no foundation inspection pits and 1no trial pit to maximum depths of 3.00 metres below ground level (mbgl).
- 5.5 Ground conditions within the existing building comprised a concrete floor slab between 0.20 and 0.25m in thickness. The slab was underlain by made ground to depths of between 1.40 to 2.10mbgl and comprised loose to compact black sandy, fine to coarse angular gravel of brick and sandstone, with occasional ash fragments.
- 5.6 Beneath the car park, the made ground comprised a surface horizon of black-brown, sandy, fine to coarse gravel with a medium cobble content and extending to a depth of 1.20mbgl. The gravel and cobbles mainly comprised brick and concrete.
- 5.7 Obstructions in the form of historical brick footings were encountered locally at a depth of 0.70mbgl and were noted to extend to a depth of 1.10mbgl where the pit terminated on a relict concrete floor slab.
- 5.8 Therefore, the presence of deeper made ground cannot therefore be discounted locally.
- 5.9 The made ground was underlain at depths of between by Glacial Till comprising stiff, greyish brown clay which was proven to a maximum depths of 3.00mbgl.
- 5.10 The existing building foundations extended to depths of 1.60 and 2.00mbgl where the building columns were supported by sandstone blocks over brick footings.
- 5.11 No groundwater was recorded during the investigations.
- 5.12 No visual and olfactory evidence of contamination was noted within the made ground during the investigations.
- 5.13 Chemical analysis identified elevated concentrations of lead, Polyaromatic Hydrocarbons (PAH) and more localised Total Petroleum Hydrocarbons (TPH) in soil samples when compared against current S4UL/CIEH reference values for a residential end use without homegrown gardens. Limited leachate analyses did not record any concentrations exceeding current environmental and/or UK Drinking Water standards reference values. However, it is noted that, due to the remit at the time of the investigations, chemical analyses was limited to the existing Ancoats Works structure and a small section of the current car parking area adjacent.

- 5.14 Loose fibres of chrysotile asbestos in a concentration of 0.019% were recorded locally beneath the car park at a depth of 0.30mbgl.
- 5.15 Waste Acceptance Criteria (WAC) testing noted samples to be either inert or Stable Non-Reactive Hazardous Waste category due to elevated sulphates.
- 5.16 The concrete classification was determined to be AC-3 and DS-3. However, this is based on information beneath approximately half of the site and at depths of less than 3.00mbgl.
- 5.17 No ground gas monitoring was undertaken as part of the proposed refurbishment as a result of the findings of the previous Phase 1 Desk Study. However, this was based on refurbishment of the existing structure and did not take into account the western and southern sections of the site for residential use.

6.0 PRELIMINARY CONTAMINATION RISK ASSESSMENT

Introduction

- 6.1 The following paragraphs outline a Preliminary Risk Assessment (PRA) for the site as defined by DEFRA and the EA Land Contamination Risk Management, October 2020, updated April 2021.
- 6.2 The table in Paragraph 6.4 provides a Preliminary Conceptual Model (PCM) which defines the site in terms of a potential contamination linkage, that is, whether a pathway exists between a contamination source and a sensitive environmental receptor (Source-Pathway-Receptor relationship).
- 6.3 The table considers whether a contamination linkage is potentially present or not and provides a preliminary qualitative assessment of risk, based on the information currently available and in accordance with guidance provided in the CIRIA document C552 (2001) Contaminated Land Risk Assessment – A Guide to Good Practice. The risk evaluation process is described further in Appendix 05.
- 6.4 Where a possible linkage is identified, it does not necessarily mean that a significant risk exists, but indicates that further information is required through appropriate site investigation to substantiate the conceptual model.

Source	Pathway	Receptor	Probability of Linkage	Comment
Based on the previous investigations the presence of significant ground contamination sources due to the site's past use cannot be wholly discounted at this stage, although these may be localised in nature. Based on the previous investigations the presence of ACM within shallow soils should be anticipated, although likely to be localised in nature.	Direct contact, ingestion of soil, dermal contact, dust exposure pathways.	Current Site Users	Unlikely	Due to the transient nature of site use, no significant long-term direct exposure scenario is considered likely. Therefore, the risk to current site users is considered LOW .
		Site End Users	Low	The provision of new buildings and hard cover would maintain a break in the direct contamination linkage to a large degree. However, a direct exposure route could remain within the proposed landscaped areas should made ground be exposed at the surface. Therefore, the risk to site end users from direct contact with contaminated ground is considered MODERATE/LOW .
		Construction Workers	Low	Construction workers could potentially be exposed to contaminated soils during earthworks and foundation construction. Any perceived contamination risks will, however, be mitigated by adopting good site working practices including appropriate Health and Safety measures during the works, thus providing a LOW preliminary risk.
		Adjacent land users	Low	Contact via wind-blown dust/debris, particularly during the development phase is possible. The current risk is considered VERY LOW although this would increase during construction works. Appropriate control measures, including dust suppression, adopted as part of good site working practices will mitigate any perceived risk in this respect.

Source	Pathway	Receptor	Probability of Linkage	Comment
Based on the previous investigations, the presence of significant soluble and/or liquid and therefore potentially mobile contamination occurring at the site cannot be discounted although this is likely to be localised in nature.	Direct downward migration through leaching and/or mobile liquids.	Groundwater	Low	The site is indicated to be underlain by Glacial Till which, due to its relatively impermeable nature, will inhibit significant downward migration of contaminants into the Secondary A (Bedrock) Aquifer. Therefore the preliminary risk to groundwater is considered LOW .
	Off-site migration in groundwater or surface water flow.	Surface water	Low	The nearest water feature is the Ashton Canal which forms the north-western site boundary. Based on the previous chemical analyses and due to the presence of underlying Glacial Till, which will inhibit significant movement of any mobile contamination from the site towards the water body, the preliminary risk to surface water is considered LOW . However, this will need to be confirmed through by further ground investigations.
		Groundwater and surface water abstractions	No linkage anticipated	The site is not within an EA Source Protection Zone with no water abstractions within 500m. The risk to groundwater/surface water abstractions is therefore considered VERY LOW .
		Adjacent Properties	Unlikely	The impermeable nature of the Glacial Till is likely to inhibit significant lateral migration of any mobile contamination from the site. Therefore, the preliminary risk to adjacent properties is assessed as LOW .
		Ecology	No linkage envisaged	There are no designated ecologically sensitive sites within influencing distance of the subject site. The risk to the surrounding ecology from any contamination arising from the site is therefore considered LOW .
Based on the previous investigations, the presence of significant volatile contamination at the site is unlikely but cannot be wholly discounted.	Inhalation of harmful vapours (indoor and outdoor airspaces)	Current Site Users	Unlikely	No widespread sources of volatile contaminants are envisaged and the current site use is transient. Therefore, the current risk from inhalation of indoor/outdoor air is considered LOW .
		Site End Users	Low	A potential pollution linkage resulting from inhalation of indoor vapours in the proposed buildings is possible although a medium consequence determines that a preliminary MODERATE/LOW risk is assessed, subject to further ground investigations.

Source	Pathway	Receptor	Probability of Linkage	Comment
		Construction Workers	Low	In the event of construction workers coming into contact with possible volatile compounds, the exposure time will be relatively short. The chronic exposure risk to construction workers, assuming that appropriate health and safety measures will be adopted, is therefore considered LOW .
		Adjacent Properties	Low	Widespread sources of volatile contaminants at the site are not anticipated with the relatively impermeable nature of the Glacial Till inhibiting any significant lateral off-site migration. Therefore, the preliminary risk to adjacent properties and users is assessed as LOW .
The site is not within influencing distance of any recorded landfills. Based on the previous investigations, the presence of appreciable thicknesses of made ground from historical in-filling at and in proximity to the site is not anticipated but cannot be fully discounted. However, likely age of infilling is such that the potential to generate significant volumes of ground gas in significant concentrations is considered low. The presence of ground gas resulting from shallow unrecorded mine workings is unlikely.	Emissions from the ground beneath the site collecting in confined spaces and excavations	Construction/ services maintenance workers	Unlikely	The potential to generate significant volumes of toxic and/ or flammable/ explosive gas beneath the site is considered low. Assuming that appropriate health and safety measures will be adopted during construction, the preliminary risk is therefore considered LOW .
	Migration of gases on/off site and collecting in confined spaces on/off site.	Adjoining site users	Unlikely	The likelihood of significantly volumes of ground gas arising from the site is low with the relatively impermeable nature of the Glacial Till inhibiting any significant migration of ground gases to adjacent properties. Therefore, the preliminary risk to adjacent properties from the site is considered LOW .
		Current/future site users	Low	The potential to generate significant volumes of toxic and/ or flammable/ explosive gas beneath or close to the site is considered low. Also, the migration of any ground gas arising from any unrecorded off-site sources would be retarded to a degree by relatively impermeable Glacial Till. The preliminary risk to the development is therefore assessed as LOW .

Source	Pathway	Receptor	Probability of Linkage	Comment
The site is within an area where less than 1% of properties are affected by naturally occurring radon gas.	Natural emissions from the ground collecting in confined spaces within buildings	Site end users	Unlikely	The site is not located in an area where radon protection measures are required. Therefore, the potential risk to site end users is considered LOW .
Chemicals which could prove aggressive to construction materials may be present on site.	Direct contact	Construction concrete, plastic water pipes.	Low	Any risks to construction materials identified as part of the site investigation and assessment will be mitigated as part of the structural design. The perceived risk is therefore considered LOW .

Preliminary Risk Assessment

- 6.5 Previous investigations have recorded locally elevated levels of contaminants and localised fibres of asbestos within the eastern section of the site.
- 6.6 However, due to the limited nature of the ground investigations, uncertainties remain as to the contamination status of the site, particularly in relation to localised undetected contamination sources and the potential for asbestos fibres and possible Asbestos Containing Materials (ACM) to be present in shallow soils as a result of previous building demolition.
- 6.7 Locally, the risks from pollution to controlled waters, being the Ashton Canal and to a lesser extent the underlying Undifferentiated (Superficial) and Secondary A (bedrock) Aquifers, are considered low based on the previous chemical analyses, although these were of a limited nature and will need to be confirmed by further ground investigations.
- 6.8 Further ground investigations are therefore considered necessary, especially within the western and southern sections of the site not previously investigated, to verify the conceptual model and to provide an up-to-date Generic Quantitative Risk Assessment (GQRA) for the currently proposed residential end use.
- 6.9 Groundwater analyses or leachate testing (where groundwater is not encountered) should also be undertaken to inform an up-to-date and development specific risk assessment to controlled waters and to determine the scale of any subsequent remediation required.

7.0 PRELIMINARY DEVELOPMENT CONSIDERATIONS

Development Consideration	Summary
Demolition	No demolition should proceed until an asbestos survey of the existing buildings has been undertaken and any ACM so encountered being removed by an appropriately licensed contractor.
Ground Obstructions	Existing and relict foundations together with buried floor slabs are present and these will need to be removed to facilitate the construction of foundations and drainage runs. Subject to appropriate screening and crushing, these may be suitable for re-use as bulk fill beneath hard cover areas.
Excavations	All excavations will need to be adequately supported but with particular consideration being given to maintaining the structural integrity of the adjacent canal and road network.
Foundations	In consideration of the anticipated structural loadings, new foundations are likely to be piled, although this will need to be confirmed by further ground investigations. It is understood that the existing façade is to be retained along Pollard Street and the north-eastern site boundary and, as such, the structural integrity of the retained section, together with the nature and extent of the foundations to remain, will need to be established in consideration of the new construction proposals.
Drainage	In view of the relatively impermeable nature of the cohesive Glacial Till beneath the site, soakaways will not be suitable as a drainage option for the site.
Proximity to the Ashton Canal	The site is bounded by the Ashton Canal to its north-west. Therefore, consultation will be required with the Canal and Rivers Trust who will be a consultee in planning. It is anticipated that the following would be required: • All development must be a minimum of 5.0m from the edge of the canal. • Foundation construction and excavations would need to take into account the location of the Canal in order to ensure such features are not undermined / and or weakened. • The structural integrity of the existing retaining wall to the canal will need to be maintained during and after the construction works All works, adjacent to canals, also have to be undertaken in accordance with the 'Trusts Code of Practice'.

8.0 SUMMARY AND RECOMMENDATIONS

Development Considerations	Comments
Shallow Coal Mining	Negligible risk.
Flood Risk	Low risk.
Ground Obstructions	Historic foundations, ground floor slabs and other buried concrete obstructions are present and will need to be removed as part of the groundworks.
Ashton Canal	All works, adjacent to the canal, will need to be undertaken in accordance with the 'Trusts Code of Practice'. This will require consultation with the Canals and Rivers Trust.
Foundations	The new structure will likely require piled foundations, to be confirmed by ground investigation. The structural integrity of the walls to be retained will need to be established, along with the interaction of their foundations with new foundations.
Ground Contamination	The likelihood of significant and widespread ground contamination sources being present beneath the site is considered low although localised sources cannot be wholly discounted at this stage. The potential requirement for localised ground remediation cannot therefore be discounted. This will need to be confirmed by ground investigation and chemical analysis.
Hazardous Ground Gas	Low preliminary risk.
Radon	No radon protection measures are required.
Soakaway Drainage	Unlikely to be suitable.
Underground Services	A scan survey of underground private and statutory services may be required.

Site Investigation

- 8.1 Site investigations will be necessary to provide information on the physical and chemical ground conditions. This will enable assumptions made in the preliminary site conceptual model to be confirmed or modified so as to assess the actual environmental risks posed by the site.
- 8.2 The investigation will comprise sampling and chemical analysis of the near surface soil and will include analysis for the identification of ACM and asbestos fibres. Depending on the ground conditions encountered, investigations may also need to include limited monitoring for ground gas.
- 8.3 Ground investigations will also provide parameters for the design of foundations, floor slabs and external pavements.

- 8.4 Site investigations will be undertaken in accordance with British Standard Institution (BSI), Code of Practice for Ground Investigations – BS5930:2015 + A1:2020 and Investigation of Potentially Contaminated Sites – Code of Practice. BS 10175:2011 + A2:2017.

APPENDIX 01

Drawings

BUILDING DESIGN PARTNERSHIP SHALL HAVE NO RESPONSIBILITY FOR ANY USE MADE OF THIS DOCUMENT OTHER THAN THAT FOR WHICH IT WAS PREPARED AND ISSUED.
ALL DIMENSIONS SHOULD BE CHECKED ON SITE.
DO NOT SCALE FROM THIS DRAWING
ANY DRAWING ERRORS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF BUILDING DESIGN PARTNERSHIP AT THE ADDRESS SHOWN BELOW.
DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING BEFORE:
• THE CON DESIGN ISSUES REGISTER
• THE ARCHITECTURAL SPECIFICATIONS
• THE PROJECT CONSTRUCTION REGISTER

NOTES

Room Legend:

- Living Room
- Bedroom
- Bathroom
- Plant/ Bin Store
- Riser/ Store/ Bike Store
- Circulation
- Commercial
- Existing element that are being retained and re-used.

Note:
• Existing Ancoats Works retained facade and associated elements and details are illustrative only and are subject to and dependant on a detailed survey.
• OS plan is illustrative only and is subject to a detailed survey.

Numbering Taz:

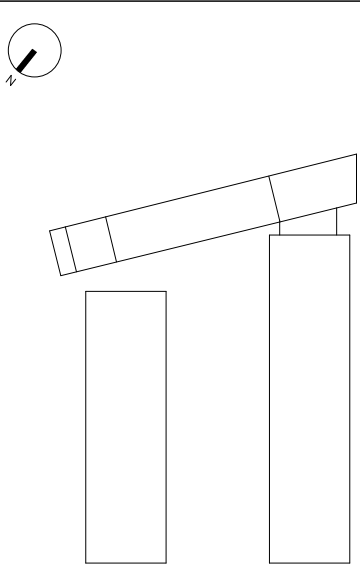
XX-01-01

- Apartment Number
- Floor/Level
- Building Name

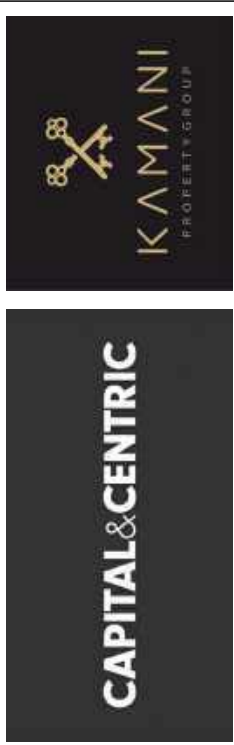
Note:
• Landscape layout is in abeyance - Subject to further design development.

P06	Apartments & townhouses updated to suit client comments, along with updating the existing Ancoats Works to suit SE comments	LA	rOc	20.09.21
P05	Pre App Presentation Update	rOc	MB	23.08.21
P04	Updated to reflect facade studies & DTM feedback	LA	MB	01.07.21
P03	Updated to reflect VE studies	LA	MB	28.08.21
P02	Updated to relocate the bin & bike store	LA	rOc	09.06.21
P01	First Issue	LA	MB	13.05.21

REVISION	DESCRIPTION	DATE
001	ISSUED FOR PERMIT	13.05.21



CLIENT



BDP.

11 Ducie Street
PO Box 65
Piccadilly Basin
Manchester
M60 3JA
United Kingdom
T +44 (0)161 823 2200
www.bdp.com

PROJECT TITLE Ancoats Works, Manchester		
NO. OF SHEETS P3001596	DATE @ A1	REVISION As indicated
DRAWING TITLE Proposed GA Plan - Ground Level 00		
DRAWING NO. 1596-BDP-XX-00-DR-A-20200		
SHEET NO. P06		



APPENDIX 02

Site Photographs



Photograph 1
View from Pollard Street along the south-eastern site boundary across the elevation to be retained.



Photograph 2
Eastern corner of the site at junction of Pollard Street and adjacent Hope Mill.



Photograph 3
Former public house in the southern section of the site at the junctions of Pollard Street and Carruthers Street.



Photograph 4
External area of car parking which forms the western and north-western section of the site.



Photograph 5
View of north-western site boundary from the Ashton Canal tow path.



Photograph 6
View of north-western site boundary from the Ashton Canal tow path.



Photograph 7

View of the residential structure to the north-west of the canal from the site boundary.



Photograph 8

Internal area of Ancoats Works, used for storage of office and fashion industry equipment.



Photograph 9
Internal area of Ancoats Works, used for storage.



Photograph 10
Gas supply and meter to main structure.



Photograph 12
Gas meter information.



Photograph 13
Electricity supply to the main structure.



Photograph 14
Typical roof detail with plastic liner to walls of the large hall area.

APPENDIX 03

Groundsure Enviro & Geosight Report

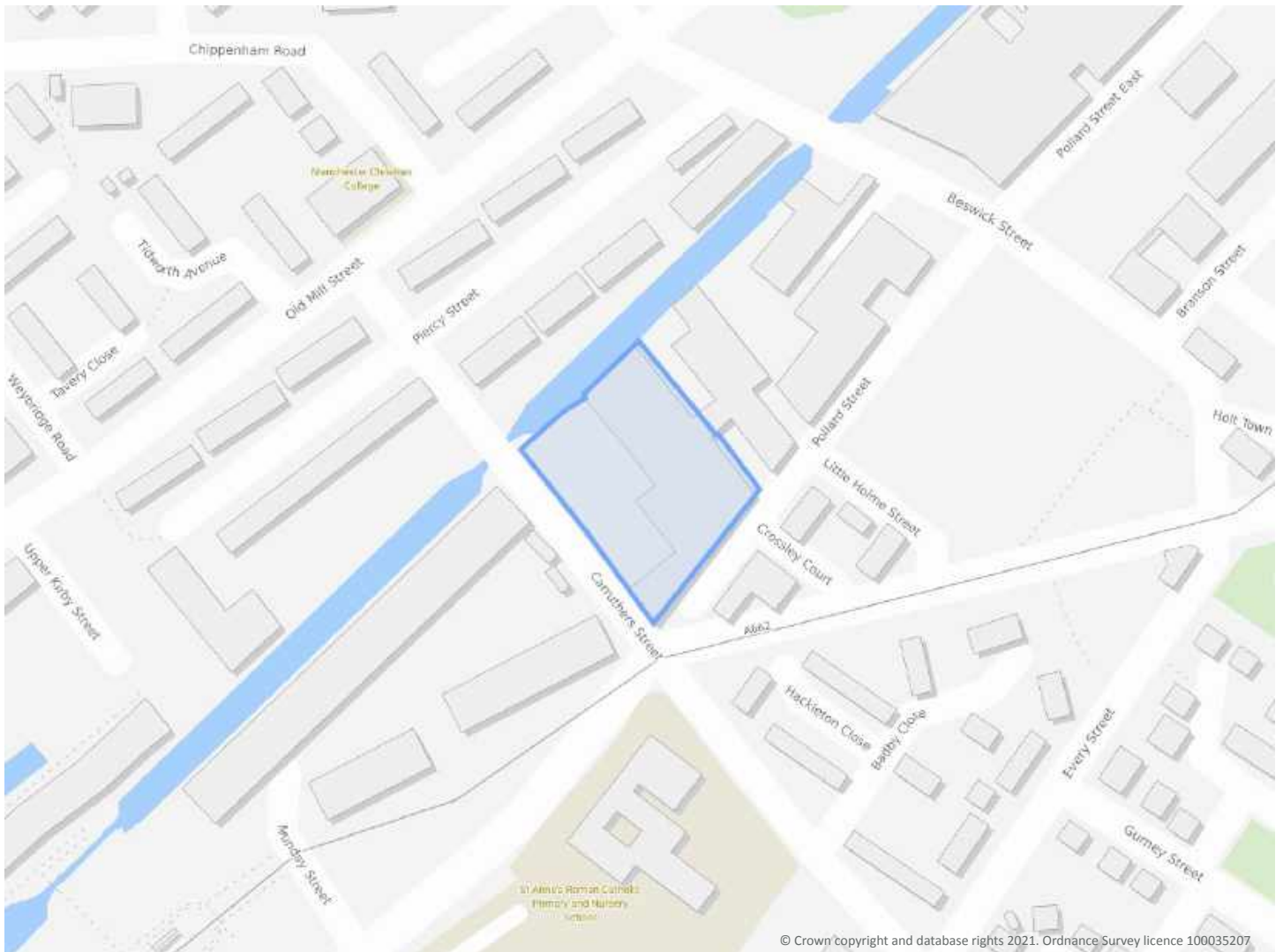
POLLARD STREET, MANCHESTER, M4 7JA

Order Details

Date: 15/10/2021
Your ref: 9809G
Our Ref: HMD-424-8263972
Client: WML Consulting Ltd

Site Details

Location: 385702 398474
Area: 0.51 ha
Authority: [Manchester City Council](#)



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Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.12 groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	<u>Historical industrial land uses</u>	4	14	39	110	-
20	1.2	<u>Historical tanks</u>	0	2	10	68	-
23	1.3	<u>Historical energy features</u>	0	1	7	31	-
25	1.4	Historical petrol stations	0	0	0	0	-
25	1.5	<u>Historical garages</u>	0	0	2	22	-
26	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
27	2.1	<u>Historical industrial land uses</u>	4	18	47	150	-
35	2.2	<u>Historical tanks</u>	0	5	17	109	-
40	2.3	<u>Historical energy features</u>	0	2	20	82	-
44	2.4	Historical petrol stations	0	0	0	0	-
45	2.5	<u>Historical garages</u>	0	0	3	27	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
47	3.1	Active or recent landfill	0	0	0	0	-
47	3.2	Historical landfill (BGS records)	0	0	0	0	-
48	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
48	3.4	<u>Historical landfill (EA/NRW records)</u>	0	0	0	1	-
48	3.5	<u>Historical waste sites</u>	0	0	7	31	-
53	3.6	<u>Licensed waste sites</u>	0	0	0	3	-
54	3.7	<u>Waste exemptions</u>	0	0	9	14	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
57	4.1	<u>Recent industrial land uses</u>	0	4	13	-	-
59	4.2	Current or recent petrol stations	0	0	0	0	-
59	4.3	Electricity cables	0	0	0	0	-
59	4.4	Gas pipelines	0	0	0	0	-
59	4.5	Sites determined as Contaminated Land	0	0	0	0	-



59	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
60	4.7	Regulated explosive sites	0	0	0	0	-
60	4.8	Hazardous substance storage/usage	0	0	0	0	-
60	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
60	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
60	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	1	-
61	4.12	Radioactive Substance Authorisations	0	0	0	0	-
61	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	7	23	-
66	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
66	4.15	Pollutant release to public sewer	0	0	0	0	-
66	4.16	List 1 Dangerous Substances	0	0	0	0	-
66	4.17	List 2 Dangerous Substances	0	0	0	0	-
66	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	14	10	-
69	4.19	Pollution inventory substances	0	0	0	0	-
69	4.20	Pollution inventory waste transfers	0	0	0	0	-
70	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
71	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
72	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
74	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
75	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
75	5.5	Groundwater vulnerability- local information	None (within 0m)				
76	5.6	<u>Groundwater abstractions</u>	0	0	0	0	45
88	5.7	<u>Surface water abstractions</u>	0	0	0	0	1
88	5.8	<u>Potable abstractions</u>	0	0	0	0	9
91	5.9	Source Protection Zones	0	0	0	0	-
91	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
92	6.1	<u>Water Network (OS MasterMap)</u>	0	1	5	-	-



93	6.2	<u>Surface water features</u>	1	1	3	-	-
93	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
94	6.4	<u>WFD Surface water bodies</u>	0	1	1	-	-
94	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
96	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
96	7.2	Historical Flood Events	0	0	0	-	-
96	7.3	Flood Defences	0	0	0	-	-
97	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
97	7.5	Flood Storage Areas	0	0	0	-	-
98	7.6	Flood Zone 2	None (within 50m)				
98	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
99	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
101	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
102	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
103	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
103	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
103	10.4	Special Protection Areas (SPA)	0	0	0	0	0
103	10.5	National Nature Reserves (NNR)	0	0	0	0	0
104	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
104	10.7	Designated Ancient Woodland	0	0	0	0	0
104	10.8	Biosphere Reserves	0	0	0	0	0
104	10.9	Forest Parks	0	0	0	0	0
105	10.10	Marine Conservation Zones	0	0	0	0	0
105	10.11	Green Belt	0	0	0	0	0
105	10.12	Proposed Ramsar sites	0	0	0	0	0



105	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
105	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
106	10.15	Nitrate Sensitive Areas	0	0	0	0	0
106	10.16	<u>Nitrate Vulnerable Zones</u>	0	0	0	0	4
107	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
108	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
109	11.1	World Heritage Sites	0	0	0	-	-
110	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
110	11.3	National Parks	0	0	0	-	-
110	11.4	<u>Listed Buildings</u>	0	2	6	-	-
111	11.5	Conservation Areas	0	0	0	-	-
111	11.6	Scheduled Ancient Monuments	0	0	0	-	-
111	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
113	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
114	12.2	Open Access Land	0	0	0	-	-
114	12.3	Tree Felling Licences	0	0	0	-	-
114	12.4	Environmental Stewardship Schemes	0	0	0	-	-
114	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
115	13.1	<u>Priority Habitat Inventory</u>	0	0	4	-	-
116	13.2	Habitat Networks	0	0	0	-	-
116	13.3	<u>Open Mosaic Habitat</u>	0	0	1	-	-
116	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
117	14.1	<u>10k Availability</u>	Identified (within 500m)				
118	14.2	<u>Artificial and made ground (10k)</u>	0	1	0	2	-
119	14.3	<u>Superficial geology (10k)</u>	1	0	1	2	-



120	14.4	Landslip (10k)	0	0	0	0	-
<u>121</u>	<u>14.5</u>	<u>Bedrock geology (10k)</u>	2	1	4	4	-
<u>122</u>	<u>14.6</u>	<u>Bedrock faults and other linear features (10k)</u>	0	0	0	1	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>123</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
<u>124</u>	<u>15.2</u>	<u>Artificial and made ground (50k)</u>	0	1	0	0	-
<u>125</u>	<u>15.3</u>	<u>Artificial ground permeability (50k)</u>	0	1	-	-	-
<u>126</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	1	0	1	1	-
<u>127</u>	<u>15.5</u>	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
127	15.6	Landslip (50k)	0	0	0	0	-
127	15.7	Landslip permeability (50k)	None (within 50m)				
<u>128</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	2	1	4	2	-
<u>129</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>129</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	0	0	0	1	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>130</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	3	51	-	-
Page	Section	Natural ground subsidence					
<u>134</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Very low (within 50m)				
<u>135</u>	<u>17.2</u>	<u>Running sands</u>	Very low (within 50m)				
<u>136</u>	<u>17.3</u>	<u>Compressible deposits</u>	Very low (within 50m)				
<u>138</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>139</u>	<u>17.5</u>	<u>Landslides</u>	Very low (within 50m)				
<u>140</u>	<u>17.6</u>	<u>Ground dissolution of soluble rocks</u>	Very low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
142	18.1	Natural cavities	0	0	0	0	-
<u>143</u>	<u>18.2</u>	<u>BritPits</u>	0	0	0	2	-
<u>143</u>	<u>18.3</u>	<u>Surface ground workings</u>	9	2	5	-	-
144	18.4	Underground workings	0	0	0	0	0
144	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<u>145</u>	<u>18.6</u>	<u>Non-coal mining</u>	0	0	2	0	0
145	18.7	Mining cavities	0	0	0	0	0
<u>145</u>	<u>18.8</u>	<u>JPB mining areas</u>	Identified (within 0m)				
<u>146</u>	<u>18.9</u>	<u>Coal mining</u>	Identified (within 0m)				
146	18.10	Brine areas	None (within 0m)				
146	18.11	Gypsum areas	None (within 0m)				
146	18.12	Tin mining	None (within 0m)				
147	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>148</u>	<u>19.1</u>	<u>Radon</u>	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>150</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	2	3	-	-	-
<u>150</u>	<u>20.2</u>	<u>BGS Estimated Urban Soil Chemistry</u>	4	3	-	-	-
151	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
152	21.1	Underground railways (London)	0	0	0	-	-
152	21.2	Underground railways (Non-London)	0	0	0	-	-
153	21.3	Railway tunnels	0	0	0	-	-
<u>153</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	0	0	1	-	-
153	21.5	Royal Mail tunnels	0	0	0	-	-
153	21.6	Historical railways	0	0	0	-	-
<u>154</u>	<u>21.7</u>	<u>Railways</u>	0	5	5	-	-
154	21.8	Crossrail 1	0	0	0	0	-
154	21.9	Crossrail 2	0	0	0	0	-
155	21.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 22/04/2019

Site Area: 0.51ha



Recent site history - 2015 aerial photograph

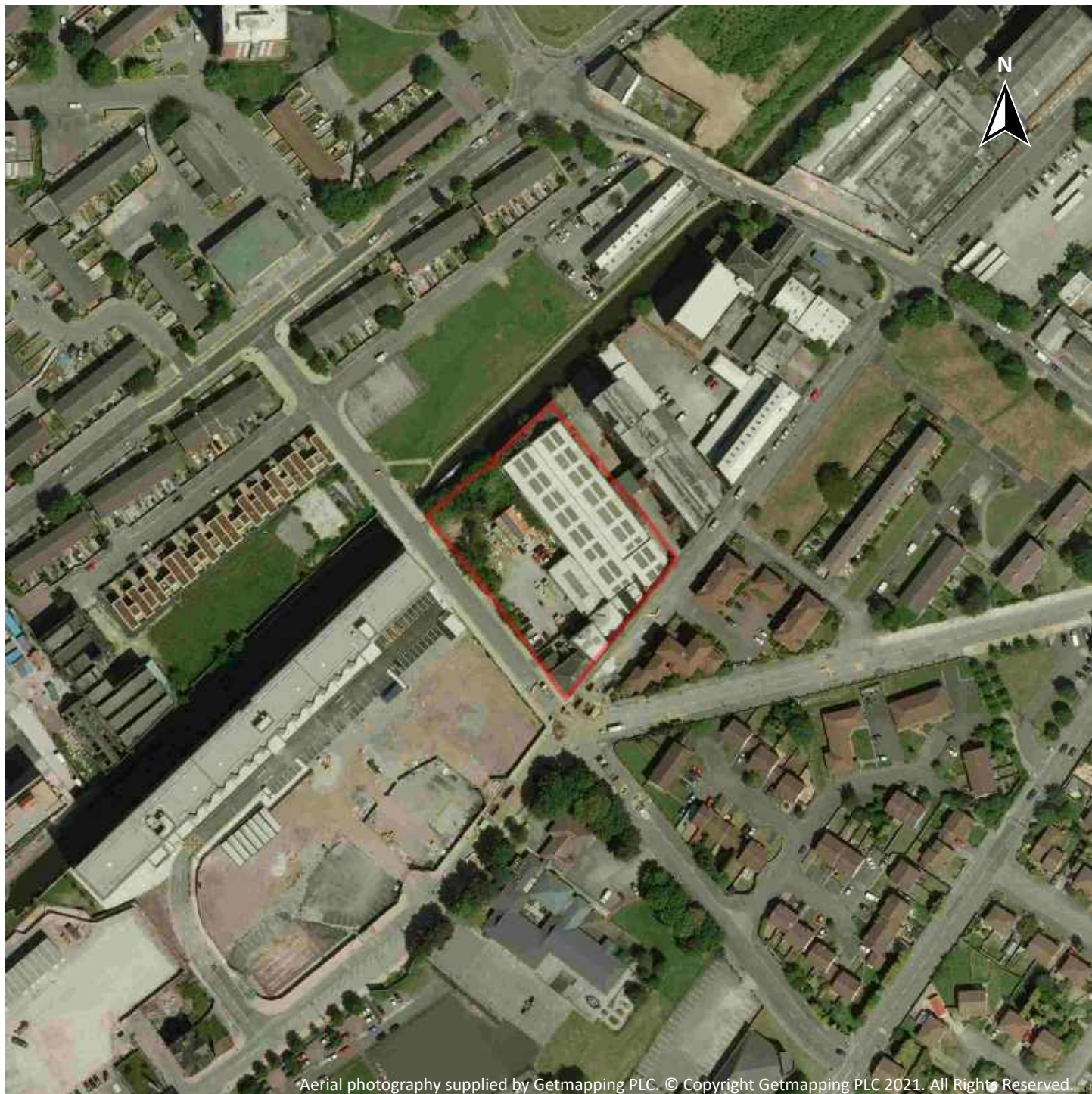


Capture Date: 11/06/2015

Site Area: 0.51ha



Recent site history - 2009 aerial photograph



Capture Date: 02/06/2009

Site Area: 0.51ha



Recent site history - 2000 aerial photograph

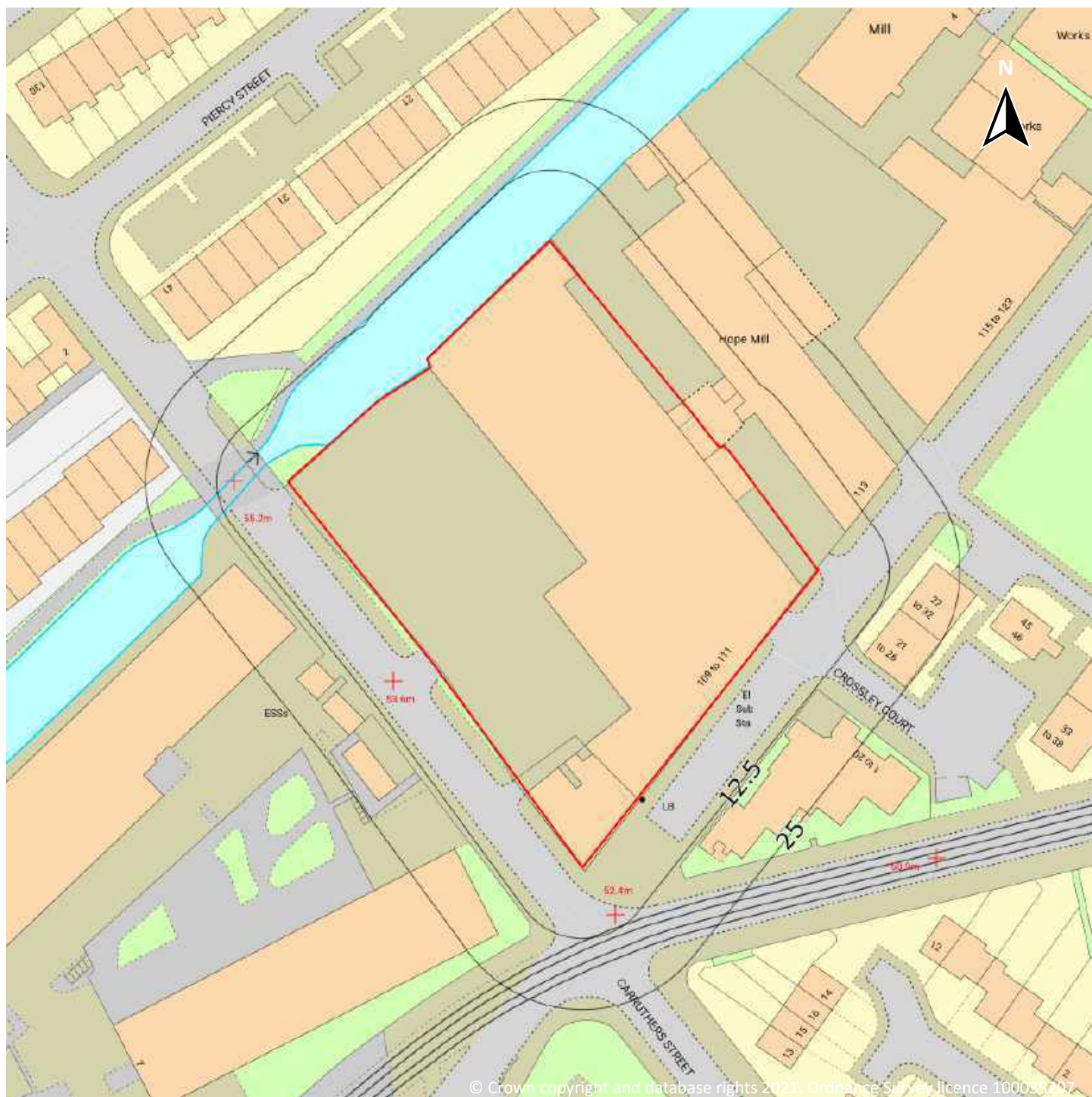


Capture Date: 19/06/2000

Site Area: 0.51ha



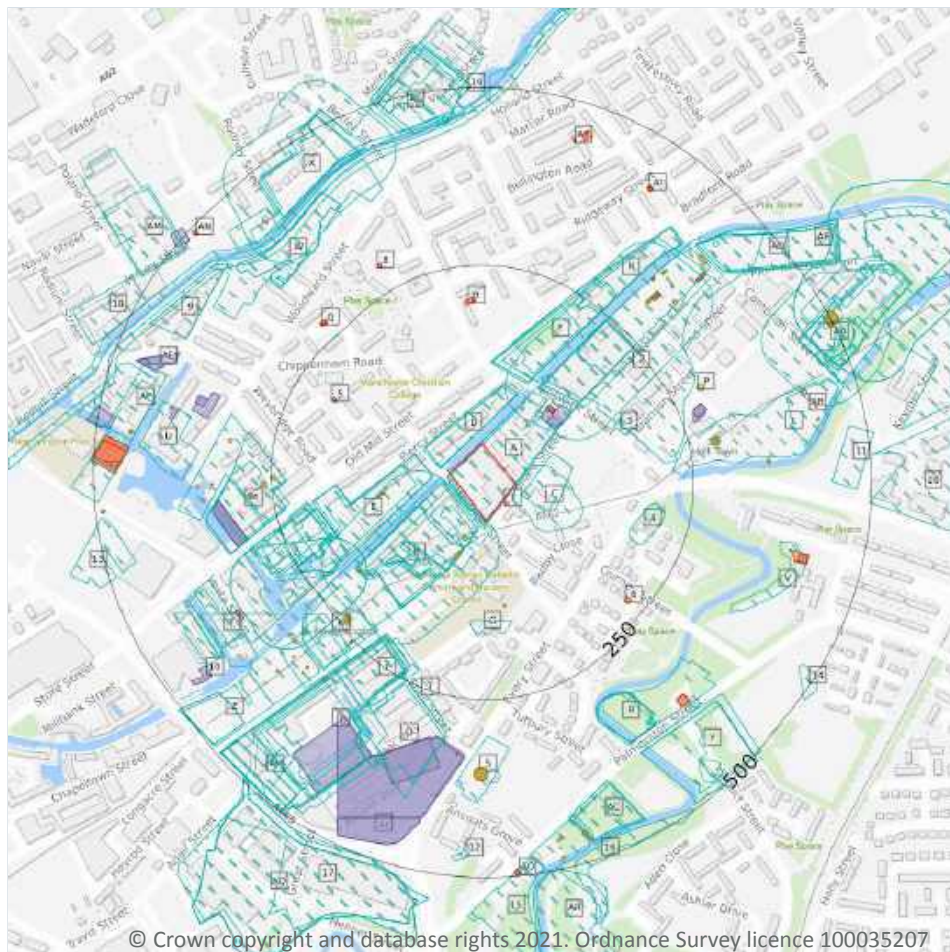
OS MasterMap site plan



Site Area: 0.51ha



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

167

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Works	1968	830475



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Commercial/Industrial	1956	899187
A	On site	Unspecified Commercial/Industrial	1923	958186
B	On site	Unspecified Mills	1938	917952
C	4m SE	Hospital	1985	899552
B	6m SW	Industrial Estate	1985 - 1991	854771
B	11m SW	Unspecified Mill	1978	916152
D	13m NW	Unspecified Mill	1923	971932
D	14m NW	Unspecified Mill	1933 - 1938	856419
D	14m NW	Unspecified Mill	1921	911603
C	15m SE	Hospital	1956	945599
B	16m SW	Unspecified Mills	1956 - 1968	898421
B	23m SW	Unspecified Mills	1923	937329
E	23m W	Unspecified Commercial/Industrial	1933	796757
E	25m W	Machine Works	1921 - 1923	953970
E	48m W	Unspecified Works	1968	830477
B	49m SW	Unspecified Mills	1933	861126
B	49m SW	Unspecified Mills	1921	986585
A	64m NE	Unspecified Mill	1938	920927
F	104m NE	Unspecified Works	1923	939107
F	107m NE	Unspecified Works	1921	920682
F	107m NE	Unspecified Works	1933 - 1938	936908
A	111m NE	Unspecified Mill	1923	912959
A	114m NE	Unspecified Commercial/Industrial	1985 - 1991	918075
A	118m NE	Unspecified Works	1968	830455
F	121m NE	Unspecified Works	1968	889764
2	123m NE	Brick Field	1851	817950
G	139m S	Railway Building	1890	820432
3	161m NE	Police Station	1968	832596



ID	Location	Land use	Dates present	Group ID
E	167m SW	Unspecified Wharf	1906	879975
E	167m SW	Unspecified Wharf	1921	971613
4	173m E	Tanks	1851	832184
E	180m SW	Hospital	1985 - 1991	926141
E	180m SW	Hospital	1891	962056
A	185m NE	Unspecified Mill	1933	913105
A	185m NE	Unspecified Mill	1921	967711
E	188m SW	Hospital	1956 - 1968	937930
E	188m SW	Hospital	1978	988199
E	190m SW	Hospital	1921	885106
E	191m SW	Hospital	1923	891870
I	206m SW	Unspecified Works	1985 - 1991	918302
I	210m SW	Unspecified Works	1968	907384
E	213m SW	Unspecified Wharf	1923	854227
J	214m SW	Unspecified Commercial/Industrial	1956	796795
K	216m SW	Unspecified Mill	1923	975402
J	218m SW	Vulcan Works	1905	883538
L	221m E	Cotton Mills	1851	862251
J	222m SW	Vulcan Works	1915	918761
J	222m SW	Vulcan Works	1934 - 1938	930130
J	223m SW	Vulcan Works	1923	923425
M	229m W	Unspecified Works	1968	830476
M	230m W	Unspecified Commercial/Industrial	1933	796758
M	230m W	Glass Works	1921 - 1923	903107
N	234m NE	Unspecified Mill	1921	941996
N	234m NE	Unspecified Mill	1933 - 1938	974727
E	238m SW	Unspecified Tank	1923	825272
7	238m SW	Unspecified Works	1923	830480



ID	Location	Land use	Dates present	Group ID
O	256m SW	Unspecified Workhouse	1915 - 1923	892233
K	260m SW	Unspecified Mill	1915	977947
M	266m W	Bedstead and Safe Works	1921 - 1923	988994
K	270m SW	Unspecified Depot	1985 - 1991	858910
N	275m NE	Unspecified Mill	1923	926128
K	292m SW	Unspecified Tank	1915	857486
J	293m SW	Unspecified Warehouse	1985 - 1991	945086
K	296m SW	Unspecified Tank	1923	861167
R	298m SE	Unspecified Works	1915	957217
J	298m SW	Unspecified Warehouse	1968	908490
R	298m SE	Unspecified Works	1968	895289
R	299m SE	Unspecified Works	1905	900664
R	299m SE	Unspecified Works	1923	945484
R	300m SE	Unspecified Commercial/Industrial	1934	796794
S	301m S	Grave Yard	1851	817298
T	309m SW	Unspecified Works	1915	888993
K	312m SW	Unspecified Works	1915 - 1923	892569
J	320m SW	Unspecified Mills	1890	808185
V	347m SE	Unspecified Pit	1991	840535
S	348m S	Unspecified Tank	1985 - 1991	982136
W	351m NW	Sawmills	1923	938961
U	353m W	Unspecified Works	1968	830474
W	353m NW	Sawmills	1933 - 1938	910990
W	353m NW	Sawmills	1921	964387
T	364m SW	Unspecified Works	1968	957976
X	365m NW	Unspecified Commercial/Industrial	1938	925844
T	368m SW	Unspecified Works	1923	982336
R	378m SE	Electric Substation	1985 - 1991	852887



ID	Location	Land use	Dates present	Group ID
Y	386m SE	Unspecified Depot	1968	818424
Y	391m SE	Unspecified Commercial/Industrial	1905	796796
Y	391m SE	Sewing Factory	1890	808088
W	392m NW	Disused Canal	1991	849130
Z	394m SW	Corporation Yard	1923	916320
AA	395m NE	Oil Works	1921 - 1923	952223
AB	399m E	Unspecified Works	1968	830456
AC	402m SE	Unspecified Foundry	1934 - 1938	879549
AC	402m SE	Unspecified Foundry	1915	892400
T	404m SW	Unspecified Wharf	1923	917487
T	406m SW	Unspecified Wharf	1915	854827
AC	407m SE	Unspecified Foundry	1923	955107
Y	408m SE	Disused Brick Kiln	1915 - 1923	964336
AD	408m NE	Unspecified Mills	1923	989977
W	409m NW	Disused Canal	1985	2367192
AD	412m NE	Unspecified Mills	1938	963506
AD	412m NE	Unspecified Mills	1921	966437
AC	414m S	Unspecified Foundry	1890	856081
9	415m NW	Unspecified Works	1968	830462
X	415m NW	Unspecified Mills	1921 - 1923	864010
X	415m NW	Unspecified Commercial/Industrial	1933	990780
AD	417m NE	Unspecified Mills	1956	914363
AF	420m W	Coal Wharf	1851	794093
AG	420m NW	Unspecified Commercial/Industrial	1956	886609
X	421m NW	Unspecified Works	1968	830463
AH	425m SW	Unspecified Warehouse	1968	893418
AF	427m W	Unspecified Works	1968	830440
N	428m NE	Chimney	1985 - 1991	959165



ID	Location	Land use	Dates present	Group ID
AC	430m S	Dye Works	1851 - 1890	847116
Z	441m SW	Corporation Yard	1915	937912
Z	441m SW	Corporation Yard	1934 - 1938	938193
AG	444m NW	Unspecified Mill	1968	810298
AH	445m SW	Grain Store	1915	945610
11	445m E	Unspecified Works	1985 - 1991	975823
AA	445m NE	Sanitary Works	1938	846336
AA	445m NE	Sanitary Works	1891 - 1906	971025
AL	445m N	Unspecified Mill	1906 - 1938	949515
AA	446m NE	Sanitary Works	1956	876771
AL	446m N	Unspecified Works	1985	845311
AH	448m SW	Grain Store	1923	849549
AH	448m SW	Grain Store	1905	904364
AL	451m N	Unspecified Works	1991	935699
AL	451m N	Unspecified Works	1968	963260
AL	451m N	Chimney	1985 - 1991	888277
Y	453m SE	Lime Works	1851	806812
AA	454m NE	Unspecified Works	1978	890255
12	454m S	Unspecified Ground Workings	1923	800646
AA	456m NE	Sanitary Works	1933	888668
AA	456m NE	Sanitary Works	1921	963542
13	457m W	Unspecified Mill	1968	810291
AL	458m N	Cotton Mills	1851	811451
AA	459m E	Unspecified Ground Workings	1906 - 1933	923784
AA	459m NE	Unspecified Ground Workings	1938	951822
AA	462m NE	Unspecified Works	1991	905493
AA	462m NE	Unspecified Works	1985	987762
AA	467m NE	Unspecified Heap	1956 - 1968	875105



ID	Location	Land use	Dates present	Group ID
AA	469m E	Unspecified Ground Workings	1891	971049
AF	470m W	Unspecified Mill	1968	810292
14	474m SE	Unspecified Pit	1985 - 1991	936510
15	475m S	Rubber Works	1923 - 1934	947315
16	479m S	Unspecified Pit	1956 - 1968	899499
17	481m SW	Railway Sidings	1956 - 1968	845148
AA	484m NE	Unspecified Tank	1923	953286
AM	485m NW	Unspecified Works	1991	974737
AA	486m NE	Unspecified Tank	1923	920137
AM	486m NW	Unspecified Works	1985	849231
18	490m NW	Glass Works	1851	797986
AA	491m NE	Unspecified Tank	1906 - 1938	946622
AA	493m NE	Unspecified Tank	1906 - 1938	973359
AP	494m NE	Unspecified Mills	1985 - 1991	922374
AP	494m NE	Unspecified Mills	1968 - 1978	912751
AQ	494m SW	Railway Sidings	1934	857332
AQ	494m SW	Railway Sidings	1915	905447
AQ	494m SW	Railway Sidings	1905	943711
AQ	494m SW	Railway Sidings	1938	947526
AQ	494m SW	Railway Sidings	1923	964887
AL	497m N	Unspecified Mill	1968	855696
AR	497m S	Unspecified Works	1938	989832
20	498m E	Brick Field	1851	817947
Y	498m SE	Lime Kiln	1851	842734
AR	498m S	Dye Works	1915	853120
AQ	499m S	Goods Station	1956	897884

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

80

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
B	35m SW	Unspecified Tank	1948 - 1951	139591
B	45m SW	Unspecified Tank	1891	115982
B	56m SW	Unspecified Tank	1948	127493
A	63m NE	Unspecified Tank	1891	115983
A	72m NE	Unspecified Tank	1891	115984
E	90m W	Tanks	1948 - 1951	127701
E	96m W	Tanks	1948	131391
E	96m W	Tanks	1948 - 1951	142420
G	119m S	Unspecified Tank	1908 - 1931	129703
A	136m NE	Unspecified Tank	1891	115985
B	182m SW	Unspecified Tank	1908 - 1922	137618
M	245m W	Unspecified Tank	1893	115973
M	257m W	Unspecified Tank	1893	115974
M	277m W	Unspecified Tank	1893	115981
P	288m NE	Unspecified Tank	1955 - 1958	147176
K	296m SW	Unspecified Tank	1908 - 1922	128680
N	304m NE	Unspecified Tank	1994	115991
N	305m NE	Tanks	1963 - 1989	122961
M	308m W	Unspecified Tank	1893	115976
M	310m W	Tanks	1891	106804
N	312m NE	Unspecified Tank	1994	132278



ID	Location	Land use	Dates present	Group ID
K	314m SW	Tanks	1908	106802
N	314m NE	Unspecified Tank	1965	131919
N	315m NE	Unspecified Tank	1965	115989
K	316m SW	Tanks	1908 - 1932	132347
N	319m NE	Unspecified Tank	1965	115990
N	319m NE	Unspecified Tank	1965	115988
K	322m SW	Unspecified Tank	1948 - 1967	126201
N	323m NE	Tanks	1948 - 1951	130642
N	323m NE	Unspecified Tank	1951 - 1967	132971
N	324m NE	Unspecified Tank	1951	124084
N	324m NE	Tanks	1948	129565
N	324m NE	Unspecified Tank	1965	143055
N	324m NE	Unspecified Tank	1967	143708
N	324m NE	Tanks	1948	129812
N	324m NE	Unspecified Tank	1963	136578
N	324m NE	Tanks	1951	145557
K	329m SW	Unspecified Tank	1908 - 1922	143306
N	330m NE	Tanks	1948 - 1967	133797
N	330m NE	Unspecified Tank	1965	115993
M	332m W	Unspecified Tank	1891	115975
K	332m SW	Unspecified Tank	1908 - 1932	148442
N	332m NE	Unspecified Tank	1963 - 1967	138789
N	333m NE	Unspecified Tank	1965	115992
M	336m W	Unspecified Tank	1891	115980
N	344m NE	Unspecified Tank	1922	115986
S	345m S	Unspecified Tank	1948 - 1951	132951
M	345m W	Tanks	1891	106805
S	346m S	Unspecified Tank	1985 - 1990	132759

ID	Location	Land use	Dates present	Group ID
S	346m S	Unspecified Tank	1948 - 1957	134196
N	346m NE	Unspecified Tank	1931	115987
N	348m NE	Unspecified Tank	1963	123225
N	348m NE	Unspecified Tank	1951	138273
N	348m NE	Unspecified Tank	1948	144363
N	348m NE	Unspecified Tank	1967	142226
N	348m NE	Unspecified Tank	1965	144329
N	348m NE	Unspecified Tank	1948	144440
N	348m NE	Unspecified Tank	1951	148157
O	349m SW	Unspecified Tank	1889	115906
N	352m NE	Unspecified Tank	1963	147013
N	352m NE	Unspecified Tank	1965	133006
N	352m NE	Unspecified Tank	1967	148313
M	352m W	Unspecified Tank	1891	115979
N	354m NE	Unspecified Tank	1951	140144
L	355m E	Tanks	1931	106803
K	359m SW	Unspecified Tank	1889	115908
N	400m NE	Tanks	1948 - 1958	128872
N	400m NE	Unspecified Tank	1948	115996
W	432m NW	Unspecified Tank	1893	115995
AB	433m E	Unspecified Tank	1948 - 1955	138415
AB	434m E	Unspecified Tank	1891	116122
AC	454m S	Tanks	1908 - 1922	129386
AC	455m S	Tanks	1908 - 1922	137498
AC	469m S	Unspecified Tank	1889	115866
AC	482m S	Unspecified Tank	1922	115883
AA	490m NE	Tanks	1922 - 1931	134829
AA	493m NE	Unspecified Tank	1908	122777



ID	Location	Land use	Dates present	Group ID
AA	493m NE	Unspecified Tank	1922 - 1931	138312
19	498m N	Unspecified Tank	1891	115997
AA	499m NE	Tanks	1908	143683

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

39

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
1	5m SE	Electricity Substation	1994 - 1997	68555
A	99m NE	Electricity Substation	1989	73379
A	100m NE	Electricity Substation	1948 - 1967	73404
A	101m NE	Electricity Substation	1994	82404
5	188m NW	Electricity Substation	1967 - 1994	76092
H	196m N	Electricity Substation	1989	72199
H	200m N	Electricity Substation	1967 - 1994	67904
6	220m SE	Electricity Substation	1990 - 1997	67796
K	252m SW	Electricity Substation	1997	62188
Q	272m NW	Electricity Substation	1994	68754
Q	272m NW	Electricity Substation	1987	78295
Q	273m NW	Electricity Substation	1978 - 1991	64036
8	285m NW	Electricity Substation	1967 - 1994	75887
K	312m SW	Electricity Substation	1948 - 1997	65447
S	326m S	Electricity Substation	1989 - 1991	74775



ID	Location	Land use	Dates present	Group ID
S	328m S	Electricity Substation	1994 - 1997	81016
T	352m SW	Electricity Substation	1988 - 1997	81397
R	366m SE	Electricity Substation	1979	75437
R	366m SE	Electricity Substation	1985	81279
N	378m NE	Electricity Substation	1955 - 1992	70235
N	378m NE	Electricity Substation	1989	81416
V	396m E	Electricity Substation	1948 - 1987	64694
V	411m E	Electricity Substation	1993	72378
AB	422m E	Electricity Substation	1955	62198
AI	425m NE	Electricity Substation	1967	69189
AI	425m NE	Electricity Substation	1994	64537
AI	425m NE	Electricity Substation	1989	69614
AK	441m N	Electricity Substation	1967	62199
AF	448m W	Electricity Substation	1978 - 1994	70177
AK	448m N	Electricity Substation	1989 - 1994	72588
AF	448m W	Electricity Substation	1987	64729
AF	451m W	Hydraulic Power Station	1948 - 1951	65750
AF	452m W	Corporation Hydraulic Power Station	1948 - 1951	66629
AF	454m W	Hydraulic Power Station	1908 - 1931	72594
AF	463m W	Hydraulic Power Station	1948 - 1955	84311
AF	487m W	Electricity Substation	1988 - 1997	64799
AN	489m NW	Electricity Substation	1967 - 1994	76474
AO	490m S	Electricity Substation	1948 - 1953	74707
AO	490m S	Electricity Substation	1948	73028

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

24

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
A	86m NE	Garage	1965 - 1967	26353
A	88m NE	Garage	1963	23572
P	265m E	Garage	1992	23945
P	269m E	Garage	1986 - 1989	25656
M	298m W	Corporation Cleansing Department Garage	1948	21128
M	298m W	Garage	1965 - 1967	27438
M	298m W	Corporation Cleansing Department Garage	1948 - 1955	25856
O	309m S	Garage	1989 - 1990	27786
O	311m S	Garage	1994 - 1997	26249
O	313m S	Garage	1991	21495
J	335m SW	Garage and Workshops	1951	20550
J	339m SW	Co-op Garage and Workshops	1948	20621
U	340m W	Garage	1965	21074
J	351m SW	Co-operation Garage and Workshops	1948	20539



ID	Location	Land use	Dates present	Group ID
U	355m W	Garage	1963	22256
U	391m W	Garage	1951	20323
AE	415m NW	Garage	1967	22827
AJ	427m S	Garage	1996	21966
AJ	427m S	Garage	1994	23944
AE	430m W	Garage	1965	23113
10	436m SW	Garage	1948	20325
AE	448m W	Garage	1963	21004
AF	476m W	Garage	1951	20322
AN	490m NW	Garage	1951	20321

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

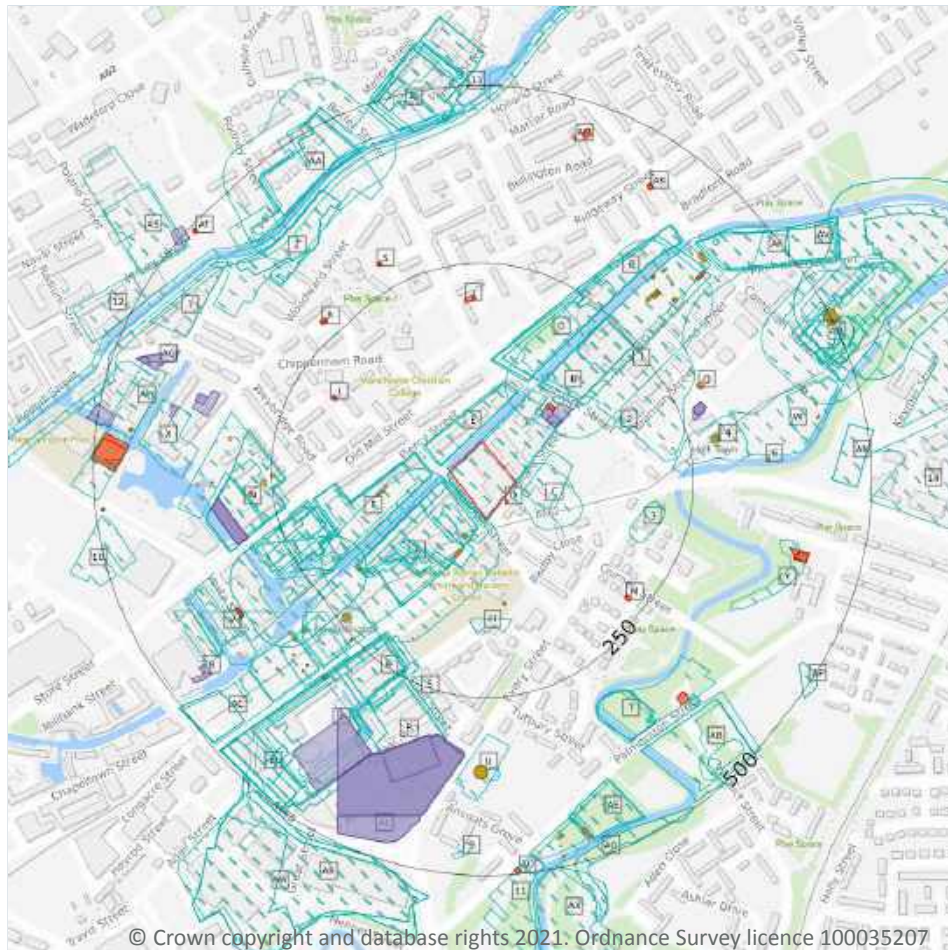
Records within 500m

0

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

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

2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

219

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

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

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mills	1938	917952
B	On site	Unspecified Commercial/Industrial	1956	899187
B	On site	Unspecified Works	1968	830475



ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Commercial/Industrial	1923	958186
C	4m SE	Hospital	1985	899552
A	6m SW	Industrial Estate	1985	854771
A	6m SW	Industrial Estate	1991	854771
A	11m SW	Unspecified Mill	1978	916152
E	13m NW	Unspecified Mill	1923	971932
E	14m NW	Unspecified Mill	1921	911603
E	14m NW	Unspecified Mill	1938	856419
E	14m NW	Unspecified Mill	1933	856419
C	15m SE	Hospital	1956	945599
A	16m SW	Unspecified Mills	1956	898421
A	16m SW	Unspecified Mills	1968	898421
A	23m SW	Unspecified Mills	1923	937329
F	23m W	Unspecified Commercial/Industrial	1933	796757
F	25m W	Machine Works	1921	953970
F	26m W	Machine Works	1923	953970
F	48m W	Unspecified Works	1968	830477
A	49m SW	Unspecified Mills	1921	986585
A	49m SW	Unspecified Mills	1933	861126
B	64m NE	Unspecified Mill	1938	920927
G	104m NE	Unspecified Works	1923	939107
G	107m NE	Unspecified Works	1921	920682
G	107m NE	Unspecified Works	1938	936908
G	107m NE	Unspecified Works	1933	936908
B	111m NE	Unspecified Mill	1923	912959
B	114m NE	Unspecified Commercial/Industrial	1985	918075
B	114m NE	Unspecified Commercial/Industrial	1991	918075
B	118m NE	Unspecified Works	1968	830455



ID	Location	Land Use	Date	Group ID
G	121m NE	Unspecified Works	1968	889764
1	123m NE	Brick Field	1851	817950
H	139m S	Railway Building	1890	820432
2	161m NE	Police Station	1968	832596
F	167m SW	Unspecified Wharf	1921	971613
F	167m SW	Unspecified Wharf	1906	879975
3	173m E	Tanks	1851	832184
F	180m SW	Hospital	1891	962056
F	180m SW	Hospital	1985	926141
F	180m SW	Hospital	1991	926141
B	185m NE	Unspecified Mill	1921	967711
B	185m NE	Unspecified Mill	1933	913105
F	188m SW	Hospital	1956	937930
F	188m SW	Hospital	1978	988199
F	189m SW	Hospital	1968	937930
F	190m SW	Hospital	1921	885106
F	191m SW	Hospital	1923	891870
K	206m SW	Unspecified Works	1985	918302
K	206m SW	Unspecified Works	1991	918302
K	210m SW	Unspecified Works	1968	907384
F	213m SW	Unspecified Wharf	1923	854227
L	214m SW	Unspecified Commercial/Industrial	1956	796795
L	216m SW	Unspecified Mill	1923	975402
L	218m SW	Vulcan Works	1905	883538
4	221m E	Cotton Mills	1851	862251
L	222m SW	Vulcan Works	1938	930130
L	222m SW	Vulcan Works	1934	930130
L	222m SW	Vulcan Works	1915	918761



ID	Location	Land Use	Date	Group ID
L	223m SW	Vulcan Works	1923	923425
N	229m W	Unspecified Works	1968	830476
N	230m W	Glass Works	1921	903107
N	230m W	Unspecified Commercial/Industrial	1933	796758
N	230m W	Glass Works	1923	903107
O	234m NE	Unspecified Mill	1921	941996
O	234m NE	Unspecified Mill	1938	974727
O	234m NE	Unspecified Mill	1933	974727
F	238m SW	Unspecified Tank	1923	825272
5	238m SW	Unspecified Works	1923	830480
P	256m SW	Unspecified Workhouse	1915	892233
P	258m SW	Unspecified Workhouse	1923	892233
L	260m SW	Unspecified Mill	1915	977947
N	266m W	Bedstead and Safe Works	1921	988994
L	270m SW	Unspecified Depot	1985	858910
L	270m SW	Unspecified Depot	1991	858910
N	270m W	Bedstead and Safe Works	1923	988994
O	275m NE	Unspecified Mill	1923	926128
L	292m SW	Unspecified Tank	1915	857486
L	293m SW	Unspecified Warehouse	1985	945086
L	293m SW	Unspecified Warehouse	1991	945086
L	296m SW	Unspecified Tank	1923	861167
T	298m SE	Unspecified Works	1915	957217
L	298m SW	Unspecified Warehouse	1968	908490
T	298m SE	Unspecified Works	1968	895289
T	299m SE	Unspecified Works	1905	900664
T	299m SE	Unspecified Works	1923	945484
T	300m SE	Unspecified Commercial/Industrial	1934	796794



ID	Location	Land Use	Date	Group ID
U	301m S	Grave Yard	1851	817298
V	309m SW	Unspecified Works	1915	888993
L	312m SW	Unspecified Works	1915	892569
L	313m SW	Unspecified Works	1923	892569
W	314m E	Cotton Mills	1851	862251
L	320m SW	Unspecified Mills	1890	808185
Y	347m SE	Unspecified Pit	1991	840535
U	348m S	Unspecified Tank	1985	982136
U	348m S	Unspecified Tank	1991	982136
Z	351m NW	Sawmills	1923	938961
X	353m W	Unspecified Works	1968	830474
Z	353m NW	Sawmills	1921	964387
Z	353m NW	Sawmills	1933	910990
Z	358m NW	Sawmills	1938	910990
V	364m SW	Unspecified Works	1968	957976
AA	365m NW	Unspecified Commercial/Industrial	1938	925844
V	368m SW	Unspecified Works	1923	982336
T	378m SE	Electric Substation	1985	852887
T	381m SE	Electric Substation	1991	852887
AB	386m SE	Unspecified Depot	1968	818424
AB	391m SE	Sewing Factory	1890	808088
AB	391m SE	Unspecified Commercial/Industrial	1905	796796
Z	392m NW	Disused Canal	1991	849130
AC	394m SW	Corporation Yard	1923	916320
AD	395m NE	Oil Works	1921	952223
W	399m E	Unspecified Works	1968	830456
AE	402m SE	Unspecified Foundry	1938	879549
AE	402m SE	Unspecified Foundry	1934	879549



ID	Location	Land Use	Date	Group ID
AE	402m SE	Unspecified Foundry	1915	892400
V	404m SW	Unspecified Wharf	1923	917487
V	406m SW	Unspecified Wharf	1915	854827
AE	407m SE	Unspecified Foundry	1923	955107
AB	408m SE	Disused Brick Kiln	1915	964336
AF	408m NE	Unspecified Mills	1923	989977
Z	409m NW	Disused Canal	1985	2367192
AF	412m NE	Unspecified Mills	1921	966437
AF	412m NE	Unspecified Mills	1938	963506
AE	414m S	Unspecified Foundry	1890	856081
7	415m NW	Unspecified Works	1968	830462
AA	415m NW	Unspecified Mills	1921	864010
AA	415m NW	Unspecified Mills	1923	864010
AA	415m NW	Unspecified Commercial/Industrial	1933	990780
AF	417m NE	Unspecified Mills	1956	914363
AH	420m W	Coal Wharf	1851	794093
AI	420m NW	Unspecified Commercial/Industrial	1956	886609
AA	421m NW	Unspecified Works	1968	830463
AJ	425m SW	Unspecified Warehouse	1968	893418
AH	427m W	Unspecified Works	1968	830440
O	428m NE	Chimney	1985	959165
O	428m NE	Chimney	1991	959165
AE	430m S	Dye Works	1851	847116
AE	440m S	Dye Works	1890	847116
AD	440m NE	Oil Works	1923	952223
AC	441m SW	Corporation Yard	1938	938193
AC	441m SW	Corporation Yard	1934	938193
AC	441m SW	Corporation Yard	1915	937912



ID	Location	Land Use	Date	Group ID
AI	444m NW	Unspecified Mill	1968	810298
AJ	445m SW	Grain Store	1915	945610
AN	445m E	Unspecified Works	1985	975823
AN	445m E	Unspecified Works	1991	975823
AD	445m NE	Sanitary Works	1906	971025
AD	445m NE	Sanitary Works	1891	971025
AD	445m NE	Sanitary Works	1938	846336
AO	445m N	Unspecified Mill	1921	949515
AO	445m N	Unspecified Mill	1906	949515
AO	445m N	Unspecified Mill	1938	949515
AO	445m N	Unspecified Mill	1933	949515
AO	445m N	Unspecified Mill	1923	949515
AD	446m NE	Sanitary Works	1956	876771
AO	446m N	Unspecified Works	1985	845311
AJ	448m SW	Grain Store	1905	904364
AJ	448m SW	Grain Store	1923	849549
AO	451m N	Unspecified Works	1991	935699
AO	451m N	Unspecified Works	1968	963260
AO	451m N	Chimney	1991	888277
AB	453m SE	Lime Works	1851	806812
AD	454m NE	Unspecified Works	1978	890255
9	454m S	Unspecified Ground Workings	1923	800646
AO	455m N	Chimney	1985	888277
AD	456m NE	Sanitary Works	1933	888668
AD	456m NE	Sanitary Works	1921	963542
10	457m W	Unspecified Mill	1968	810291
AB	457m SE	Disused Brick Kiln	1923	964336
AO	458m N	Cotton Mills	1851	811451



ID	Location	Land Use	Date	Group ID
AD	459m E	Unspecified Ground Workings	1933	923784
AD	459m E	Unspecified Ground Workings	1921	923784
AD	459m E	Unspecified Ground Workings	1906	923784
AD	459m E	Unspecified Ground Workings	1923	923784
AD	459m NE	Unspecified Ground Workings	1938	951822
AD	462m NE	Unspecified Works	1985	987762
AD	462m NE	Unspecified Works	1991	905493
AD	467m NE	Unspecified Heap	1956	875105
AD	467m NE	Unspecified Heap	1968	875105
AD	469m E	Unspecified Ground Workings	1891	971049
AH	470m W	Unspecified Mill	1968	810292
AP	474m SE	Unspecified Pit	1985	936510
AP	474m SE	Unspecified Pit	1991	936510
11	475m S	Rubber Works	1923	947315
AQ	479m S	Unspecified Pit	1956	899499
AQ	479m S	Unspecified Pit	1968	899499
AR	481m SW	Railway Sidings	1968	845148
AD	484m NE	Unspecified Tank	1923	953286
AS	485m NW	Unspecified Works	1991	974737
AD	486m NE	Unspecified Tank	1923	920137
AS	486m NW	Unspecified Works	1985	849231
12	490m NW	Glass Works	1851	797986
AD	491m NE	Unspecified Tank	1921	946622
AD	491m NE	Unspecified Tank	1906	946622
AD	491m NE	Unspecified Tank	1938	946622
AD	491m NE	Unspecified Tank	1933	946622
AD	493m NE	Unspecified Tank	1921	973359
AD	493m NE	Unspecified Tank	1906	973359



ID	Location	Land Use	Date	Group ID
AD	493m NE	Unspecified Tank	1938	973359
AD	493m NE	Unspecified Tank	1933	973359
AV	494m NE	Unspecified Mills	1985	922374
AV	494m NE	Unspecified Mills	1978	912751
AV	494m NE	Unspecified Mills	1991	922374
AV	494m NE	Unspecified Mills	1968	912751
AW	494m SW	Railway Sidings	1938	947526
AW	494m SW	Railway Sidings	1934	857332
AW	494m SW	Railway Sidings	1915	905447
AW	494m SW	Railway Sidings	1905	943711
AW	494m SW	Railway Sidings	1923	964887
AD	495m NE	Unspecified Tank	1923	946622
AD	497m NE	Unspecified Tank	1923	973359
AO	497m N	Unspecified Mill	1968	855696
AX	497m S	Unspecified Works	1938	989832
14	498m E	Brick Field	1851	817947
AB	498m SE	Lime Kiln	1851	842734
AX	498m S	Dye Works	1915	853120
AR	499m S	Railway Sidings	1956	845148
AW	499m S	Goods Station	1956	897884

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

131

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

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



ID	Location	Land Use	Date	Group ID
A	35m SW	Unspecified Tank	1948	139591
A	35m SW	Unspecified Tank	1951	139591
A	36m SW	Unspecified Tank	1951	139591
A	36m SW	Unspecified Tank	1948	139591
A	45m SW	Unspecified Tank	1891	115982
A	56m SW	Unspecified Tank	1948	127493
A	56m SW	Unspecified Tank	1948	127493
B	63m NE	Unspecified Tank	1891	115983
B	72m NE	Unspecified Tank	1891	115984
F	90m W	Tanks	1951	127701
F	90m W	Tanks	1948	127701
F	96m W	Tanks	1948	131391
F	96m W	Tanks	1951	142420
F	96m W	Tanks	1951	142420
F	96m W	Tanks	1948	142420
H	119m S	Unspecified Tank	1908	129703
H	119m S	Unspecified Tank	1922	129703
H	119m S	Unspecified Tank	1931	129703
B	136m NE	Unspecified Tank	1891	115985
A	182m SW	Unspecified Tank	1908	137618
A	182m SW	Unspecified Tank	1922	137618
N	245m W	Unspecified Tank	1893	115973
N	257m W	Unspecified Tank	1893	115974
N	277m W	Unspecified Tank	1893	115981
Q	288m NE	Unspecified Tank	1955	147176
Q	288m NE	Unspecified Tank	1958	147176
L	296m SW	Unspecified Tank	1908	128680
L	296m SW	Unspecified Tank	1922	128680



ID	Location	Land Use	Date	Group ID
O	304m NE	Unspecified Tank	1994	115991
O	305m NE	Tanks	1989	122961
N	308m W	Unspecified Tank	1893	115976
N	310m W	Tanks	1891	106804
O	312m NE	Unspecified Tank	1994	132278
L	314m SW	Tanks	1908	106802
O	314m NE	Tanks	1963	122961
O	314m NE	Unspecified Tank	1965	131919
O	314m NE	Tanks	1967	122961
O	314m NE	Tanks	1967	122961
O	315m NE	Unspecified Tank	1965	115989
L	316m SW	Tanks	1908	132347
L	316m SW	Tanks	1922	132347
L	316m SW	Tanks	1932	132347
O	319m NE	Unspecified Tank	1965	115990
O	319m NE	Unspecified Tank	1965	115988
L	322m SW	Unspecified Tank	1955	126201
L	322m SW	Unspecified Tank	1948	126201
L	322m SW	Unspecified Tank	1965	126201
L	322m SW	Unspecified Tank	1967	126201
L	322m SW	Unspecified Tank	1951	126201
L	322m SW	Unspecified Tank	1948	126201
L	322m SW	Unspecified Tank	1967	126201
O	323m NE	Tanks	1951	130642
O	323m NE	Unspecified Tank	1963	132971
O	323m NE	Tanks	1948	130642
O	323m NE	Unspecified Tank	1965	132971
O	323m NE	Unspecified Tank	1967	132971



ID	Location	Land Use	Date	Group ID
O	323m NE	Unspecified Tank	1951	132971
O	323m NE	Tanks	1948	130642
O	324m NE	Unspecified Tank	1965	143055
O	324m NE	Unspecified Tank	1967	143708
O	324m NE	Unspecified Tank	1951	124084
O	324m NE	Tanks	1948	129565
O	324m NE	Tanks	1951	145557
O	324m NE	Unspecified Tank	1963	136578
O	324m NE	Tanks	1948	129812
L	329m SW	Unspecified Tank	1908	143306
L	329m SW	Unspecified Tank	1922	143306
O	330m NE	Tanks	1951	133797
O	330m NE	Tanks	1963	133797
O	330m NE	Tanks	1948	133797
O	330m NE	Unspecified Tank	1965	115993
O	331m NE	Tanks	1967	133797
O	331m NE	Tanks	1951	133797
O	331m NE	Tanks	1948	133797
N	332m W	Unspecified Tank	1891	115975
L	332m SW	Unspecified Tank	1908	148442
L	332m SW	Unspecified Tank	1922	148442
L	332m SW	Unspecified Tank	1932	148442
O	332m NE	Unspecified Tank	1963	138789
O	333m NE	Unspecified Tank	1965	138789
O	333m NE	Unspecified Tank	1967	138789
O	333m NE	Unspecified Tank	1965	115992
N	336m W	Unspecified Tank	1891	115980
O	344m NE	Unspecified Tank	1922	115986



ID	Location	Land Use	Date	Group ID
U	345m S	Unspecified Tank	1951	132951
U	345m S	Unspecified Tank	1948	132951
N	345m W	Tanks	1891	106805
U	346m S	Unspecified Tank	1985	132759
U	346m S	Unspecified Tank	1990	132759
U	346m S	Unspecified Tank	1990	132759
U	346m S	Unspecified Tank	1989	132759
U	346m S	Unspecified Tank	1957	134196
U	346m S	Unspecified Tank	1951	134196
U	346m S	Unspecified Tank	1948	134196
O	346m NE	Unspecified Tank	1931	115987
O	348m NE	Unspecified Tank	1951	138273
O	348m NE	Unspecified Tank	1963	123225
O	348m NE	Unspecified Tank	1948	144363
O	348m NE	Unspecified Tank	1965	144329
O	348m NE	Unspecified Tank	1967	142226
O	348m NE	Unspecified Tank	1951	148157
O	348m NE	Unspecified Tank	1948	144440
P	349m SW	Unspecified Tank	1889	115906
O	352m NE	Unspecified Tank	1963	147013
O	352m NE	Unspecified Tank	1965	133006
O	352m NE	Unspecified Tank	1967	148313
N	352m W	Unspecified Tank	1891	115979
O	354m NE	Unspecified Tank	1951	140144
6	355m E	Tanks	1931	106803
L	359m SW	Unspecified Tank	1889	115908
O	400m NE	Tanks	1948	128872
O	400m NE	Tanks	1955	128872

ID	Location	Land Use	Date	Group ID
O	400m NE	Tanks	1958	128872
O	400m NE	Unspecified Tank	1948	115996
Z	432m NW	Unspecified Tank	1893	115995
W	433m E	Unspecified Tank	1948	138415
W	433m E	Unspecified Tank	1955	138415
W	434m E	Unspecified Tank	1891	116122
AE	454m S	Tanks	1908	129386
AE	454m S	Tanks	1922	129386
AE	455m S	Tanks	1908	137498
AE	455m S	Tanks	1922	137498
AE	469m S	Unspecified Tank	1889	115866
AE	482m S	Unspecified Tank	1922	115883
AD	490m NE	Tanks	1922	134829
AD	490m NE	Tanks	1931	134829
AD	493m NE	Unspecified Tank	1908	122777
AD	493m NE	Unspecified Tank	1922	138312
AD	493m NE	Unspecified Tank	1931	138312
13	498m N	Unspecified Tank	1891	115997
AD	499m NE	Tanks	1908	143683

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

104

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

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

ID	Location	Land Use	Date	Group ID
D	5m SE	Electricity Substation	1994	68555



ID	Location	Land Use	Date	Group ID
D	5m SE	Electricity Substation	1997	68555
B	99m NE	Electricity Substation	1989	73379
B	100m NE	Electricity Substation	1951	73404
B	100m NE	Electricity Substation	1948	73404
B	100m NE	Electricity Substation	1967	73404
B	100m NE	Electricity Substation	1951	73404
B	100m NE	Electricity Substation	1948	73404
B	101m NE	Electricity Substation	1994	82404
I	188m NW	Electricity Substation	1967	76092
I	188m NW	Electricity Substation	1987	76092
I	188m NW	Electricity Substation	1994	76092
I	188m NW	Electricity Substation	1978	76092
I	188m NW	Electricity Substation	1983	76092
I	188m NW	Electricity Substation	1991	76092
J	196m N	Electricity Substation	1989	72199
J	200m N	Electricity Substation	1967	67904
J	200m N	Electricity Substation	1994	67904
M	220m SE	Electricity Substation	1990	67796
M	222m SE	Electricity Substation	1991	67796
M	222m SE	Electricity Substation	1994	67796
M	222m SE	Electricity Substation	1997	67796
L	252m SW	Electricity Substation	1997	62188
R	272m NW	Electricity Substation	1994	68754
R	272m NW	Electricity Substation	1987	78295
R	273m NW	Electricity Substation	1978	64036
R	273m NW	Electricity Substation	1983	64036
R	273m NW	Electricity Substation	1991	64036
S	285m NW	Electricity Substation	1989	75887



ID	Location	Land Use	Date	Group ID
S	285m NW	Electricity Substation	1994	75887
S	285m NW	Electricity Substation	1967	75887
L	312m SW	Electricity Substation	1951	65447
L	312m SW	Electricity Substation	1948	65447
L	313m SW	Electricity Substation	1955	65447
L	313m SW	Electricity Substation	1989	65447
L	313m SW	Electricity Substation	1981	65447
L	313m SW	Electricity Substation	1948	65447
L	313m SW	Electricity Substation	1997	65447
L	313m SW	Electricity Substation	1978	65447
L	313m SW	Electricity Substation	1988	65447
L	313m SW	Electricity Substation	1991	65447
L	313m SW	Electricity Substation	1992	65447
U	326m S	Electricity Substation	1990	74775
U	326m S	Electricity Substation	1990	74775
U	326m S	Electricity Substation	1989	74775
U	326m S	Electricity Substation	1991	74775
U	328m S	Electricity Substation	1994	81016
U	328m S	Electricity Substation	1997	81016
V	352m SW	Electricity Substation	1997	81397
V	353m SW	Electricity Substation	1989	81397
V	353m SW	Electricity Substation	1988	81397
V	353m SW	Electricity Substation	1991	81397
V	353m SW	Electricity Substation	1992	81397
T	366m SE	Electricity Substation	1979	75437
T	366m SE	Electricity Substation	1979	75437
T	366m SE	Electricity Substation	1985	81279
O	378m NE	Electricity Substation	1979	70235



ID	Location	Land Use	Date	Group ID
O	378m NE	Electricity Substation	1986	70235
O	378m NE	Electricity Substation	1989	81416
O	378m NE	Electricity Substation	1955	70235
O	379m NE	Electricity Substation	1992	70235
Y	396m E	Electricity Substation	1948	64694
Y	397m E	Electricity Substation	1980	64694
Y	397m E	Electricity Substation	1987	64694
Y	408m E	Electricity Substation	1979	64694
Y	408m E	Electricity Substation	1983	64694
Y	408m E	Electricity Substation	1986	64694
Y	411m E	Electricity Substation	1993	72378
W	422m E	Electricity Substation	1955	62198
AK	425m NE	Electricity Substation	1967	69189
AK	425m NE	Electricity Substation	1967	69189
AK	425m NE	Electricity Substation	1994	64537
AK	425m NE	Electricity Substation	1989	69614
AM	441m N	Electricity Substation	1967	62199
AH	448m W	Electricity Substation	1994	70177
AM	448m N	Electricity Substation	1989	72588
AH	448m W	Electricity Substation	1987	64729
AH	449m W	Electricity Substation	1978	70177
AH	449m W	Electricity Substation	1983	70177
AH	449m W	Electricity Substation	1991	70177
AH	451m W	Hydraulic Power Station	1951	65750
AH	451m W	Hydraulic Power Station	1948	65750
AM	452m N	Electricity Substation	1994	72588
AH	452m W	Corporation Hydraulic Power Station	1948	66629
AH	452m W	Corporation Hydraulic Power Station	1951	66629



ID	Location	Land Use	Date	Group ID
AH	454m W	Hydraulic Power Station	1908	72594
AH	454m W	Hydraulic Power Station	1922	72594
AH	454m W	Hydraulic Power Station	1931	72594
AH	463m W	Hydraulic Power Station	1955	84311
AH	463m W	Hydraulic Power Station	1948	84311
AH	487m W	Electricity Substation	1997	64799
AH	487m W	Electricity Substation	1989	64799
AH	488m W	Electricity Substation	1988	64799
AH	488m W	Electricity Substation	1991	64799
AH	488m W	Electricity Substation	1992	64799
AT	489m NW	Electricity Substation	1967	76474
AT	489m NW	Electricity Substation	1994	76474
AT	489m NW	Electricity Substation	1978	76474
AT	489m NW	Electricity Substation	1983	76474
AT	489m NW	Electricity Substation	1991	76474
AT	489m NW	Electricity Substation	1987	76474
AU	490m S	Electricity Substation	1948	74707
AU	490m S	Electricity Substation	1948	73028
AU	490m S	Electricity Substation	1953	74707

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



2.5 Historical garages

Records within 500m

30

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

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

ID	Location	Land Use	Date	Group ID
B	86m NE	Garage	1965	26353
B	86m NE	Garage	1967	26353
B	88m NE	Garage	1963	23572
Q	265m E	Garage	1992	23945
Q	269m E	Garage	1989	25656
Q	270m E	Garage	1986	25656
N	298m W	Garage	1965	27438
N	298m W	Garage	1967	27438
N	298m W	Corporation Cleansing Department Garage	1948	21128
N	298m W	Corporation Cleansing Department Garage	1955	25856
N	298m W	Corporation Cleansing Department Garage	1948	25856
P	309m S	Garage	1990	27786
P	309m S	Garage	1989	27786
P	311m S	Garage	1997	26249
P	311m S	Garage	1994	26249
P	313m S	Garage	1991	21495
L	335m SW	Garage and Workshops	1951	20550
L	339m SW	Co-op Garage and Workshops	1948	20621
X	340m W	Garage	1965	21074
L	351m SW	Co-operation Garage and Workshops	1948	20539
X	355m W	Garage	1963	22256
X	391m W	Garage	1951	20323
AG	415m NW	Garage	1967	22827

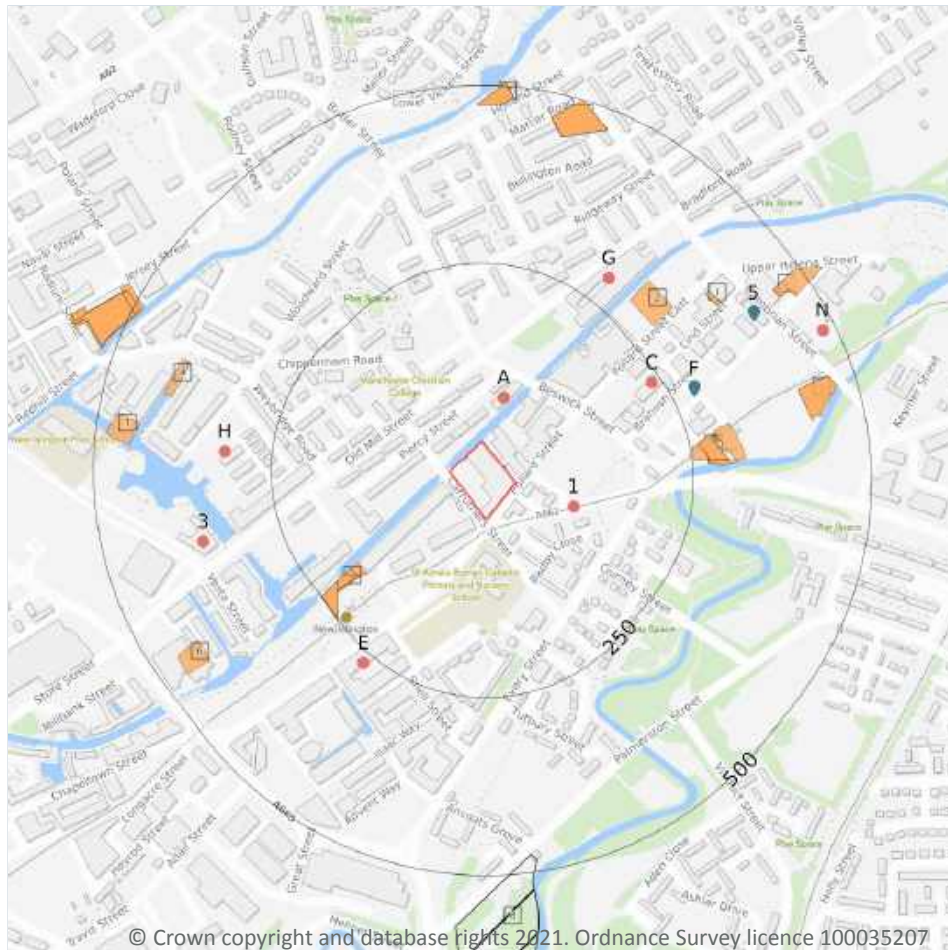


ID	Location	Land Use	Date	Group ID
AL	427m S	Garage	1994	23944
AL	427m S	Garage	1996	21966
AG	430m W	Garage	1965	23113
8	436m SW	Garage	1948	20325
AG	448m W	Garage	1963	21004
AH	476m W	Garage	1951	20322
AT	490m NW	Garage	1951	20321

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 47**

ID	Location	Details		
8	474m S	Site Address: Palmerston Street Landfill, Great Ancoats Street, River Medlock, Ardwick, Manchester, Greater Manchester Licence Holder Address: Clarence House, Mellor Road, Cheadle Hulme, Stockport	Waste Licence: Yes Site Reference: RD/LIC/440/86, F046 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 20/08/1986 Licence Surrender: 21/07/1988	Operator: - Licence Holder: Peter Birse Limited First Recorded 01/09/1986 Last Recorded: 31/12/1987

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

3.5 Historical waste sites

Records within 500m

38

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 47**

ID	Location	Address	Further Details	Date
B	178m SW	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931

ID	Location	Address	Further Details	Date
B	187m SW	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
B	187m SW	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
B	192m SW	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
B	192m SW	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
B	218m SW	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
B	218m SW	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
D	252m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
D	262m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
D	262m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986



ID	Location	Address	Further Details	Date
D	272m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
D	273m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
D	273m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
D	286m E	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
2	287m NE	Site Address: N/A	Type of Site: Waste Paper Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931
I	373m NE	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
I	373m NE	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
4	394m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1967
J	417m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988



ID	Location	Address	Further Details	Date
J	418m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
6	424m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1980
7	439m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1967
K	441m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
K	441m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
K	442m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
K	442m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
L	450m NE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
L	451m NE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979



ID	Location	Address	Further Details	Date
M	473m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
M	473m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
M	473m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
M	473m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
O	485m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931
O	490m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
O	490m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
K	491m N	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
O	493m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948



ID	Location	Address	Further Details	Date
O	493m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951

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 47**

ID	Location	Details		
F	282m NE	Site Name: Lumns Lane, Clifton Junction, Swinton Site Address: - Correspondence Address: Central House, 299, Grimshaw Lane, Middleton, Manchester, M40 2AT	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ME001 EPR reference: - Operator: Murray Mills Conservation Ltd Waste Management licence No: 50069 Annual Tonnage: 0	Issue Date: 16/05/2001 Effective Date: 07/10/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
F	282m NE	Site Name: Lumns Lane, Clifton Junction, Swinton Site Address: Upper Helena Street, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ME001 EPR reference: EA/EPR/VP3098CU/T002 Operator: Murray Mills Conservation Ltd Waste Management licence No: 50069 Annual Tonnage: 24999	Issue Date: 16/05/2001 Effective Date: 07/10/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
5	409m NE	Site Name: Olympia Motor Services Site Address: Union Mill, 1, Cambrian Street, Ancoats, Manchester, M40 7EG Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HUR001 EPR reference: EA/EPR/VP3594CG/A001 Operator: Hurstfield Paul Waste Management licence No: 50405 Annual Tonnage: 1040	Issue Date: 07/06/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

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

3.7 Waste exemptions

Records within 500m	23
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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 47**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	68m NE	Urban Splash Site off, Piercy Street, Manchester, M4 7HY	WEX186803	Treating waste exemption	Not on a farm	Screening and blending of waste
A	68m NE	Urban Splash Site off, Piercy Street, Manchester, M4 7HY	WEX186803	Using waste exemption	Not on a farm	Use of waste in construction
1	88m SE	-	WEX166443	Treating waste exemption	Not on a farm	Screening and blending of waste
C	236m NE	Manchester Joinery and Interiors Limited, Branson Street, Manchester, M40 7FJ	WEX212482	Disposing of waste exemption	Not on a farm	Disposal by incineration
C	236m NE	Manchester Joinery and Interiors Limited, Branson Street, Manchester, M40 7FJ	WEX212482	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	236m NE	Manchester Joinery and Interiors Limited, Branson Street, Manchester, M40 7FJ	WEX212482	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance



ID	Location	Site	Reference	Category	Sub-Category	Description
C	236m NE	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7FJ	WEX212646	Disposing of waste exemption	Not on a farm	Disposal by incineration
C	236m NE	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7FJ	WEX212646	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	236m NE	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7FJ	WEX212646	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
E	266m SW	Vulcan Mill Phase 2 - New build construction by Russells, Malta Street, Manchester, M4 7AN	WEX118448	Treating waste exemption	Not on a farm	Screening and blending of waste
E	266m SW	Vulcan Mill Phase 2 - New build construction by Russells, Malta Street, Manchester, M4 7AN	WEX118448	Using waste exemption	Not on a farm	Use of waste in construction
G	290m NE	Brunswick mill, Old mill yard, Manchester, M407ez	WEX168923	Treating waste exemption	Not on a farm	Screening and blending of waste
G	290m NE	Brunswick mill, Old mill yard, Manchester, M407ez	WEX168923	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	290m NE	Brunswick mill, Old mill yard, Manchester, M407ez	WEX168923	Treating waste exemption	Not on a farm	Sorting mixed waste
G	290m NE	Brunswick mill, Old mill yard, Manchester, M407ez	WEX168923	Using waste exemption	Not on a farm	Use of waste in construction
G	290m NE	Brunswick mill, Old mill yard, Manchester, M407ez	WEX168923	Using waste exemption	Not on a farm	Use of mulch
H	317m W	-	WEX243781	Treating waste exemption	Not on a farm	Screening and blending of waste
H	317m W	-	WEX243781	Using waste exemption	Not on a farm	Use of waste in construction
3	360m W	OLD MILL STREET, MANCHESTER, M4 6EE	WEX234237	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
N	481m NE	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers

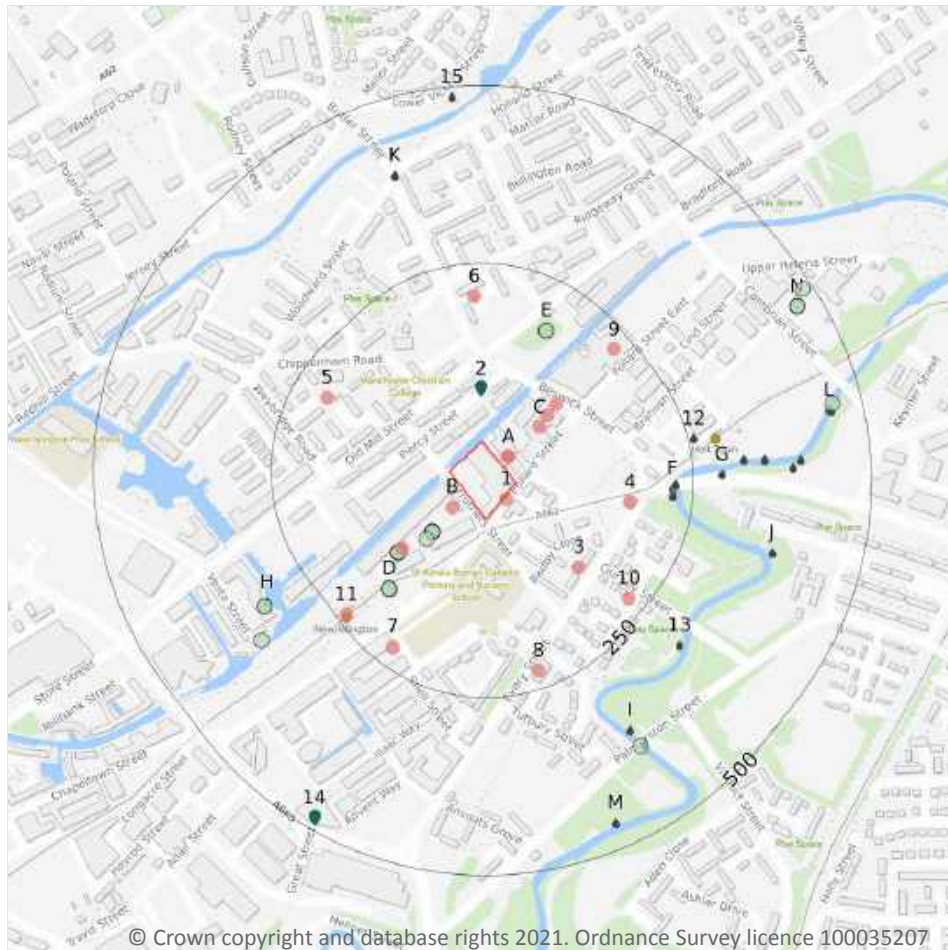


ID	Location	Site	Reference	Category	Sub-Category	Description
N	481m NE	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Storing waste exemption	Non- Agricultura l Waste Only	Storage of waste in a secure place
N	481m NE	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Treating waste exemption	Non- Agricultura l Waste Only	Recovery of scrap metal
N	481m NE	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Using waste exemption	Non- Agricultura l Waste Only	Use of depolluted end-of-life vehicles for vehicle parts

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
- 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

17

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 57**

ID	Location	Company	Address	Activity	Category
1	4m SE	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
A	15m NE	Crooked Cartoon	113, Pollard Street, Manchester, Greater Manchester, M4 7JA	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services

ID	Location	Company	Address	Activity	Category
A	15m NE	White Bear Studios	Hope Mill, 113 Pollard Street, Manchester, Greater Manchester, M4 7JB	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
B	28m SW	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
C	75m NE	Works	Greater Manchester, M4	Unspecified Works Or Factories	Industrial Features
C	94m NE	Works	Greater Manchester, M4	Unspecified Works Or Factories	Industrial Features
C	113m NE	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
B	119m SW	Milliners Wharf	Greater Manchester, M4	Moorings and Unloading Facilities	Water
3	143m SE	Max Tec UK Ltd	9, Maidford Close, Manchester, Greater Manchester, M4 7EG	Electronic Equipment	Industrial Products
4	163m E	A B O M S	The Bank 209, Every Street, Manchester, Greater Manchester, M4 7EX	Office and Shop Equipment	Industrial Products
5	201m NW	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
6	204m N	Electricity Sub Station	Greater Manchester, M40	Electrical Features	Infrastructure and Facilities
7	222m SW	Zolpidem UK	2, Malta Street, Manchester, Greater Manchester, M4 7BH	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
8	225m S	Works	Greater Manchester, M4	Unspecified Works Or Factories	Industrial Features
9	225m NE	Mantree Designs	Wellington House, Pollard Street East, Manchester, Greater Manchester, M40 7FS	Furniture	Consumer Products
10	226m SE	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
11	237m SW	New Islington (Manchester Metrolink)	Greater Manchester, M4	Tram, Metro and Light Railway Stations and Stops	Public Transport, Stations and Infrastructure

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

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

2

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 57**

ID	Location	Address	Details	
2	73m N	Manchester Coppersmiths, Phoenix Mill, Piercy St, M4 7HY	Process: Di-isocyanate Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
14	483m SW	Advent Manchester, 309 Great Ancoats Street, Manchester M4 7DF	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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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	30
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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 57**

ID	Location	Address	Details	
F	220m E	BESWICK ST ASHTON NEW RD CSO 281DO, MITCHELL ARMS, 215 EVERY STREET, MANCHESTER, GREATER MANCHESTER, M4 7EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982710 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 31/08/1999 Revocation Date: 31/03/2018
F	220m E	BESWICK ST ASHTON NEW RD CSO 281DO, MITCHELL ARMS, 215 EVERY STREET, MANCHESTER, GREATER MANCHESTER, M4 7EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982710 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 21/03/2018 Effective Date: 01/04/2018 Revocation Date: -



ID	Location	Address	Details	
F	220m E	BESWICK ST/HOLT TOWN BRIDGE, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0256 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: 31/08/1999
F	225m E	BUTLER STREET/WOODWARD STREET CSO, 112-130 BUTLER STREET, MANCHESTER, GREATER MANCHESTER, M4 7JJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0038 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 05/12/2018
F	225m E	BUTLER STREET/WOODWARD STREET CSO, 112-130 BUTLER STREET, MANCHESTER, GREATER MANCHESTER, M4 7JJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0038 Permit Version: 4 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 06/12/2018 Effective Date: 06/12/2018 Revocation Date: -
F	225m E	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 22/10/2019
F	225m E	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 Permit Version: 4 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 23/10/2019 Effective Date: 23/10/2019 Revocation Date: -
12	257m E	HOLT TOWN/WESTON STREET, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0373 Permit Version: 1 Receiving Water: -	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 24/11/2014
G	290m E	ASHTON NEW RD(M SEWER), MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0195 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 18/07/1995



ID	Location	Address	Details	
H	316m SW	SOHO WORKS SITE SWO, POLLARD STREET, ANCOATS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991041 Permit Version: 1 Receiving Water: MANCHESTER & ASHTON CANAL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 30/09/1985 Revocation Date: 01/07/1991
G	321m E	AGAR ST, HOLT TOWN, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0258 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: -
13	322m SE	RUSSELL ST/ EAST OF RAGLA, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0262 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: 10/05/2017
G	351m E	ROADWAY SWO, REAR BUILDING UNIT 1, HOLT TOWN, ANCOATS, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991184 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/11/1994 Revocation Date: 01/11/1994
I	358m SE	PALMERSTON STREET CSO, PALMERSTON STREET, 55M EAST OF 1 GRACE WALK, MANCHESTER, GREATER MANCHESTER, M4 7DA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016983279 Permit Version: 1 Receiving Water: THE RIVER MEDLOCK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 15/01/1999 Effective Date: 31/08/1999 Revocation Date: 22/10/2019
J	373m E	ASHFORD ST/BREWIN ST, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0006 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
J	373m E	ASHFORD ST/BREWIN ST, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0006 Permit Version: 2 Receiving Water: UNKNOWN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 01/01/1995 Revocation Date: 31/08/1999



ID	Location	Address	Details	
I	385m SE	PALMERSTON STREET CSO, PALMERSTON STREET, 55M EAST OF 1 GRACE WALK, MANCHESTER, GREATER MANCHESTER, M4 7DA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016983279 Permit Version: 2 Receiving Water: THE RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 23/10/2019 Effective Date: 23/10/2019 Revocation Date: -
G	390m E	PHILIP PARK RD, RUSHOLM, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0298 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: 31/08/1999
K	393m N	BUTLER ST/HOLLAND ST, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0037 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: 02/09/2010
K	393m N	BUTLER ST/HOLLAND ST, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0037 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 29/04/2019
K	393m N	RIDGEWAY ST/BUTLER ST, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0129 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 18/10/1999
K	393m N	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 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: 02/09/2010
K	393m N	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016



ID	Location	Address	Details	
G	401m E	OFF HILLKIRK STREET CSO, BRADFORD, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982726 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 31/08/1999 Revocation Date: -
L	451m E	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982733 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 30/09/1994 Revocation Date: 03/12/2019
L	451m E	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0320 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
L	454m E	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982733 Permit Version: 2 Receiving Water: RIVER MEDLOCK VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 04/12/2019 Effective Date: 04/12/2019 Revocation Date: -
M	463m SE	PALMERSTON STREET CSO, PALMERSTON STREET, 60M EAST OF 1 GRACE WALK, MANCHESTER, GREATER MANCHESTER, M4 7DA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016983280 Permit Version: 2 Receiving Water: THE RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 23/10/2019 Effective Date: 23/10/2019 Revocation Date: -
M	463m SE	PALMERSTON STREET CSO, PALMERSTON STREET, 60M EAST OF 1 GRACE WALK, MANCHESTER, GREATER MANCHESTER, M4 7DA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016983280 Permit Version: 1 Receiving Water: THE RIVER MEDLOCK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 15/01/1999 Effective Date: 31/08/1999 Revocation Date: 22/10/2019
15	485m N	ROYLE STREET, SSO, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0064 Permit Version: 1 Receiving Water: SHOOTERS BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993



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

24

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 57**



ID	Location	Details	
B	70m SW	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	70m SW	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	70m SW	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	70m SW	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	70m SW	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: General Biodegradable Materials and Wastes:Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Food and Drink:Commercial Waste:Household Waste:Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	83m SW	Incident Date: 28/08/2001 Incident Identification: 27218 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	127m SW	Incident Date: 30/05/2002 Incident Identification: 82011 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	127m SW	Incident Date: 30/05/2002 Incident Identification: 82011 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	127m SW	Incident Date: 30/05/2002 Incident Identification: 82011 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
D	167m SW	Incident Date: 29/05/2003 Incident Identification: 161551 Pollutant: Inert Materials and Wastes:Oils and Fuel Pollutant Description: Other Inert Material or Waste:Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	167m SW	Incident Date: 14/07/2003 Incident Identification: 173497 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	167m SW	Incident Date: 10/10/2002 Incident Identification: 114010 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	179m NE	Incident Date: 23/07/2019 Incident Identification: 1721462 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
E	179m NE	Incident Date: 23/07/2019 Incident Identification: 1721462 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
H	321m SW	Incident Date: 22/07/2002 Incident Identification: 93360 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
H	321m SW	Incident Date: 22/07/2002 Incident Identification: 93360 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
H	354m SW	Incident Date: 11/03/2002 Incident Identification: 63079 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	384m SE	Incident Date: 10/12/2001 Incident Identification: 47487 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
L	458m E	Incident Date: 29/07/2002 Incident Identification: 95435 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
N	466m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
N	466m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
N	466m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
N	466m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Household Waste:Tyres:Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
N	486m NE	Incident Date: 13/12/2002 Incident Identification: 125940 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0
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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
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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

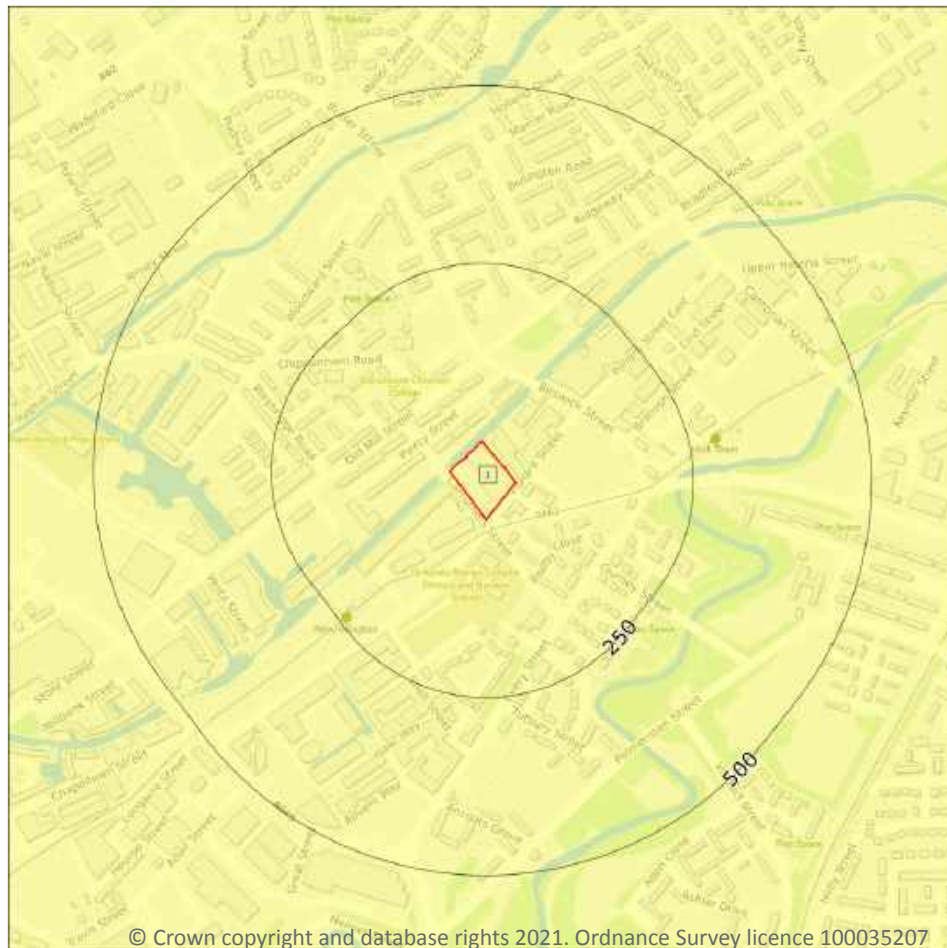
0

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

1

Aquifer status of groundwater held within superficial geology.

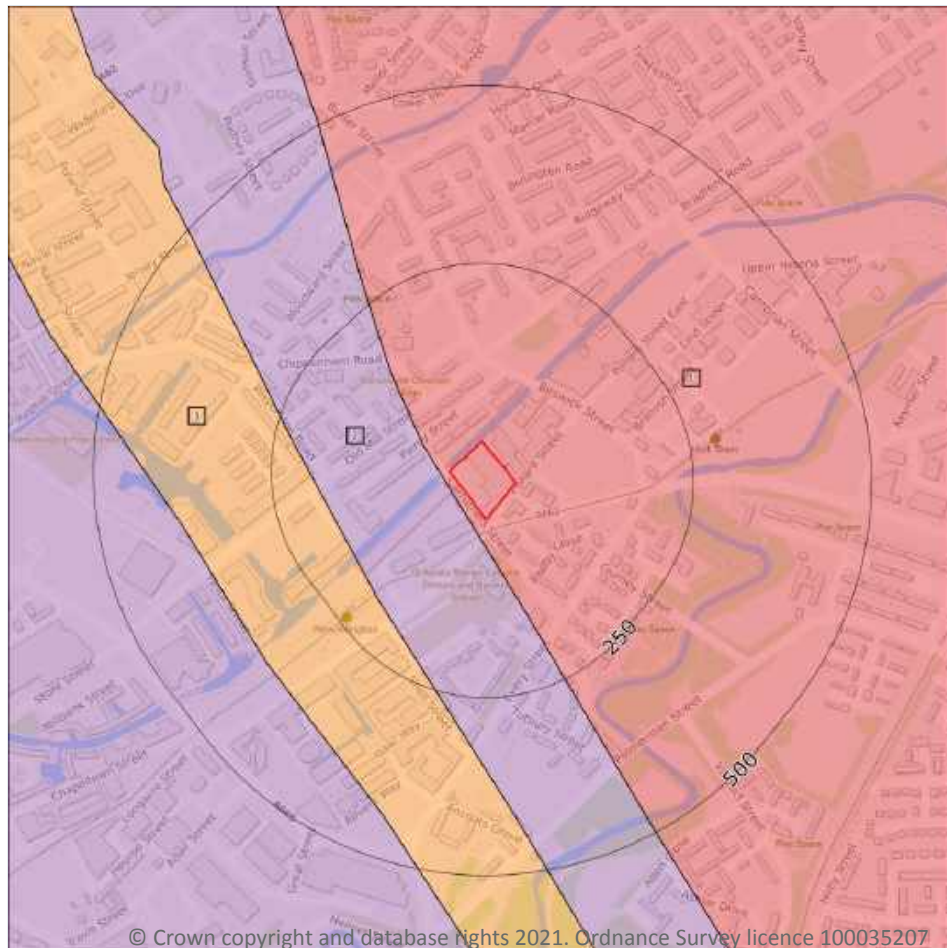
Features are displayed on the Hydrogeology map on **page 71**

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

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

3

Aquifer status of groundwater held within bedrock geology.

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

ID	Location	Designation	Description
1	On site	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	12m SW	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

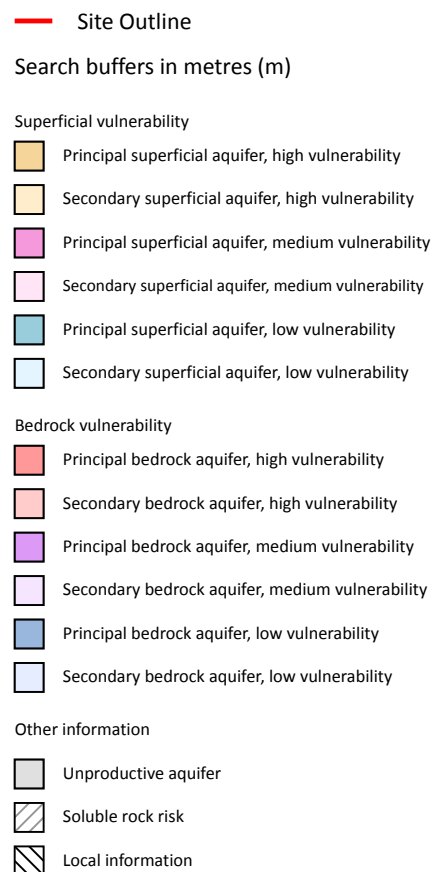


ID	Location	Designation	Description
3	174m SW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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 74**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
A	12m SW	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	1
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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.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	2.0%

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

45

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 76**

ID	Location	Details	
-	993m SW	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER" Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	993m SW	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m ³): 331858 Max Daily Volume (m ³): 909.2 Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	1483m SW	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: -
-	1483m SW	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: -

ID	Location	Details	
-	1521m NE	Status: Historical Licence No: 2569005061 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER" Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 386550 Northing: 399790	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/2000 Expiry Date: - Issue No: 2 Version Start Date: 01/07/2000 Version End Date: -
-	1521m NE	Status: Active Licence No: 2569005061 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LIMITED Easting: 386550 Northing: 399790	Annual Volume (m ³): 33,000 Max Daily Volume (m ³): 125 Original Application No: - Original Start Date: 08/02/2000 Expiry Date: - Issue No: 3 Version Start Date: 13/08/2012 Version End Date: -
-	1630m W	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: -
-	1630m W	Status: Historical Licence No: 2569007069 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT GEORGE ST, MANCHESTER Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 384100 Northing: 398000	Annual Volume (m ³): 1100 Max Daily Volume (m ³): 860 Original Application No: - Original Start Date: 01/04/1984 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -

ID	Location	Details	
-	1638m S	Status: Historical Licence No: NW/069/0004/005 Details: Heat Pump Direct Source: Ground Water - North West Region Point: AREA OF ABSTRACTION - LOWER CARBONIFEROUS LIMESTONE Data Type: Poly4 Name: G T Energy UK Limited Easting: 385729 Northing: 396778	Annual Volume (m ³): 2,049,840 Max Daily Volume (m ³): 8640 Original Application No: - Original Start Date: 17/01/2013 Expiry Date: 16/01/2037 Issue No: 2 Version Start Date: 11/06/2013 Version End Date: -
-	1723m NW	Status: Historical Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10" Data Type: Point Name: PACKAGING PRODUCTS LTD Easting: 385000 Northing: 400100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1995 Version End Date: -
-	1723m NW	Status: Active Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10 Data Type: Point Name: Packaging Products (Coatings) Ltd Easting: 385000 Northing: 400100	Annual Volume (m ³): 438,689 Max Daily Volume (m ³): 1,636.56 Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/02/2011 Version End Date: -
-	1962m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -



ID	Location	Details	
-	1962m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1962m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1962m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1962m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -



ID	Location	Details	
-	1962m NW	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1967m W	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1967m W	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1967m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -



ID	Location	Details	
-	1967m W	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1967m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1967m W	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1968m W	Status: Historical Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DIAL HOUSE, CHAPEL ST, SALFORD" Data Type: Point Name: BRITISH TELECOM Easting: 383700 Northing: 398700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1971 Version End Date: -



ID	Location	Details	
-	1968m W	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: -
-	1968m W	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: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2007 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -

ID	Location	Details	
-	1969m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -



ID	Location	Details	
-	1975m NW	Status: Historical Licence No: 2569004011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3" Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
-	1975m NW	Status: Historical Licence No: 2569004011 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3" Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
-	1975m NW	Status: Active Licence No: 2569004011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m ³): 45,460 Max Daily Volume (m ³): 181.84 Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
-	1975m NW	Status: Active Licence No: 2569004011 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m ³): 45,460 Max Daily Volume (m ³): 181.84 Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -



ID	Location	Details	
-	1979m E	Status: Historical Licence No: NW/069/0006/005 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1979m E	Status: Historical Licence No: NW/069/0006/005 Details: Horticultural Watering Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1979m E	Status: Historical Licence No: NW/069/0006/005 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1979m E	Status: Active Licence No: NW/069/0006/005/R01 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 221,650 Max Daily Volume (m ³): 1,000 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1979m E	Status: Active Licence No: NW/069/0006/005/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 221,650 Max Daily Volume (m ³): 1,000 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -

ID	Location	Details	
-	1984m E	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1984m E	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1984m E	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): 633962 Max Daily Volume (m ³): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1984m E	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): 633962 Max Daily Volume (m ³): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

1

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 76**

ID	Location	Details	
-	1851m E	Status: Historical Licence No: 2569006996 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER [VITACOM] Data Type: Point Name: BRITISH WATERWAYS Easting: 387600 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

9

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 76**

ID	Location	Details	
-	1962m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -



ID	Location	Details	
-	1962m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1962m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1967m W	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1967m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -



ID	Location	Details	
-	1967m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1969m W	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

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)

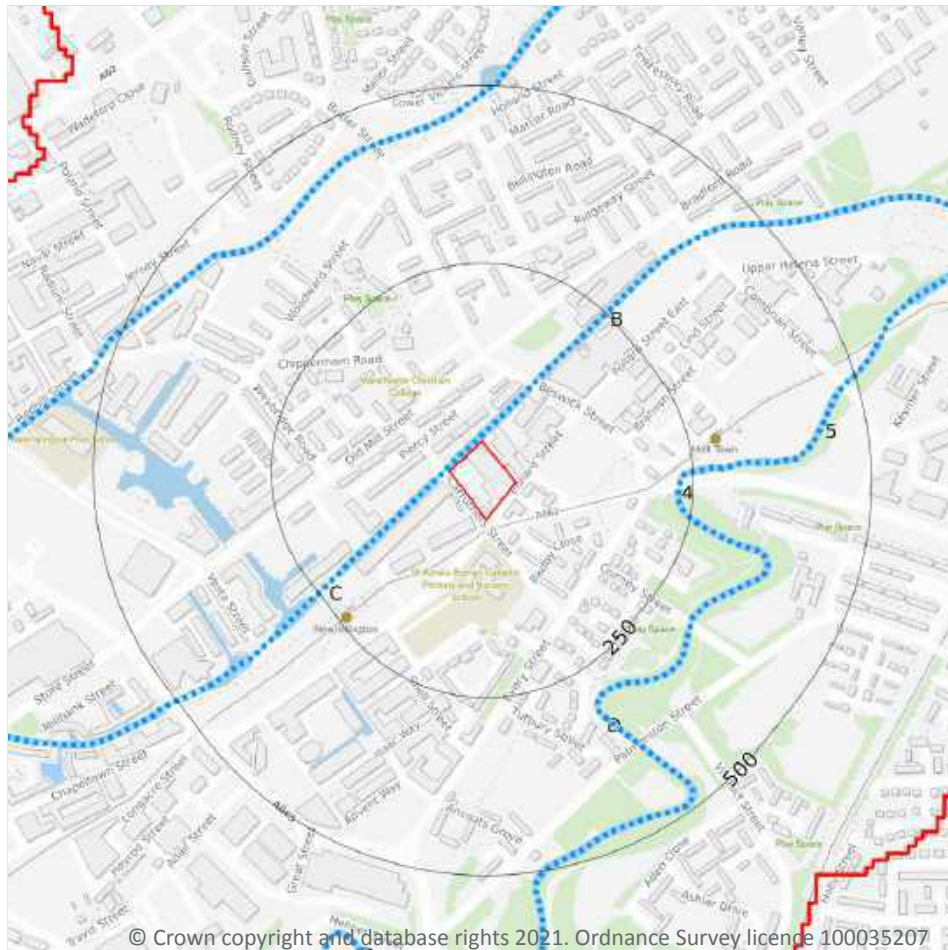
Records within 500m**0**

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

6

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 92**

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



ID	Location	Type of water feature	Ground level	Permanence	Name
C	221m SW	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
4	228m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
D	228m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
5	232m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
C	245m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

5

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 92**

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 92**



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

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

6.4 WFD Surface water bodies

Records identified	2
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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 92**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
A	5m NW	Canal	Ashton Canal and Peak Forest Canal, lower section	GB71210219	Moderate	Good	Moderate	2016
3	229m E	River	Medlock (Lumb Brook to Irwell)	GB112069061152	Moderate	Good	Moderate	2016

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 92**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Manchester and East Cheshire Permo-Triassic Sandstone Aquifers	GB41201G101100	Poor	Poor	Poor	2015



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

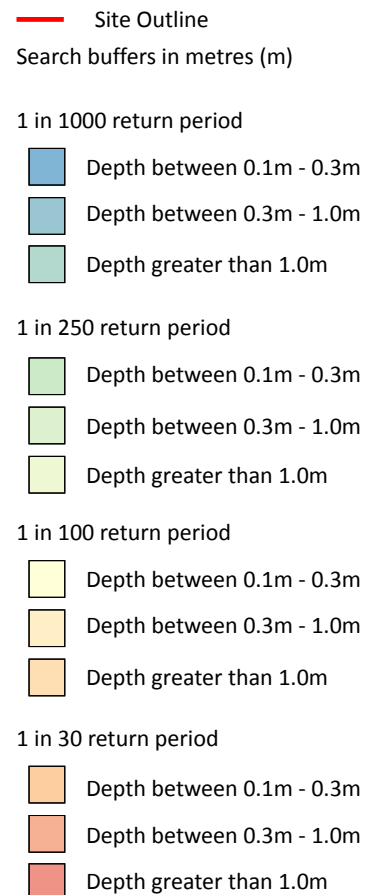
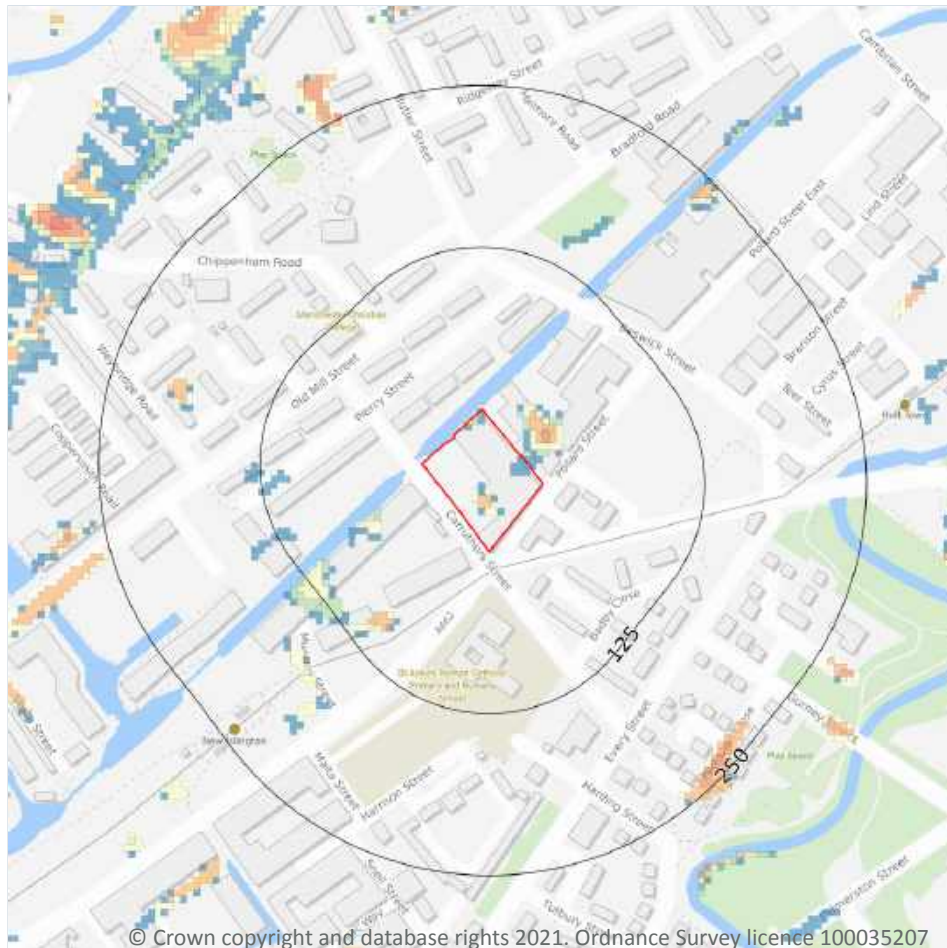
0

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

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on **page 99**

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

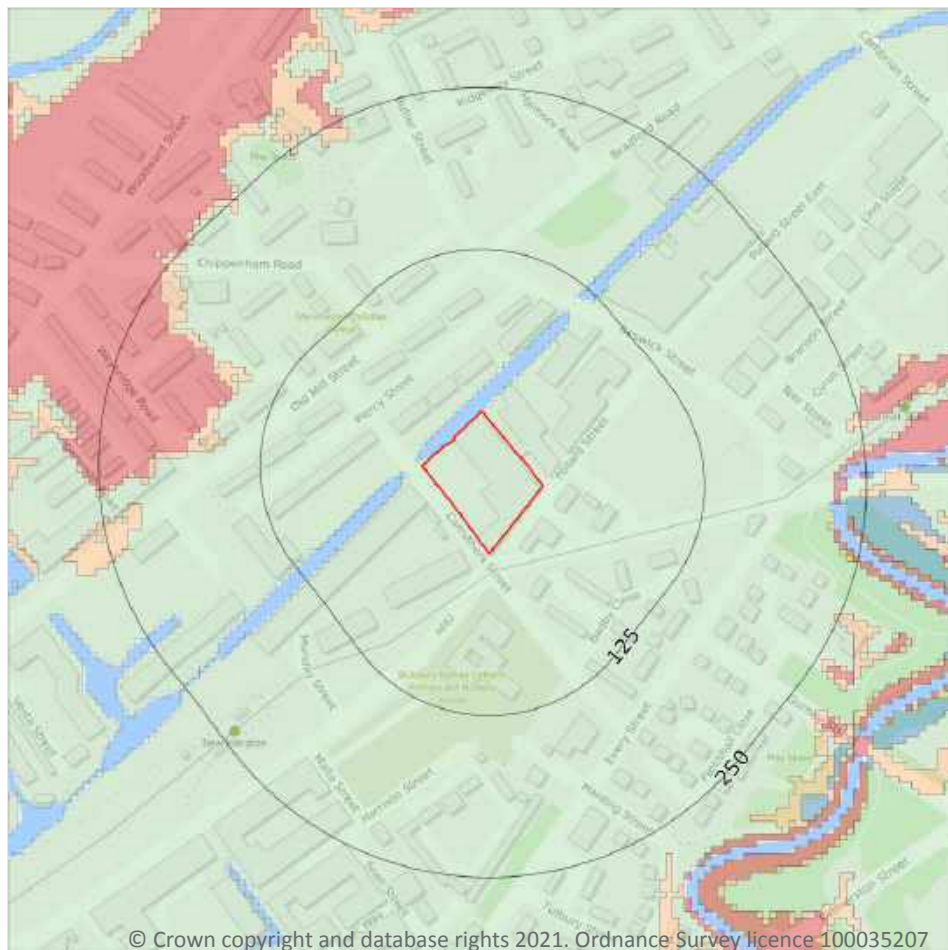
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Low

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 101**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)

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**1**

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.

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Data source
-	1829m E	Clayton Vale	Natural England

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**4**

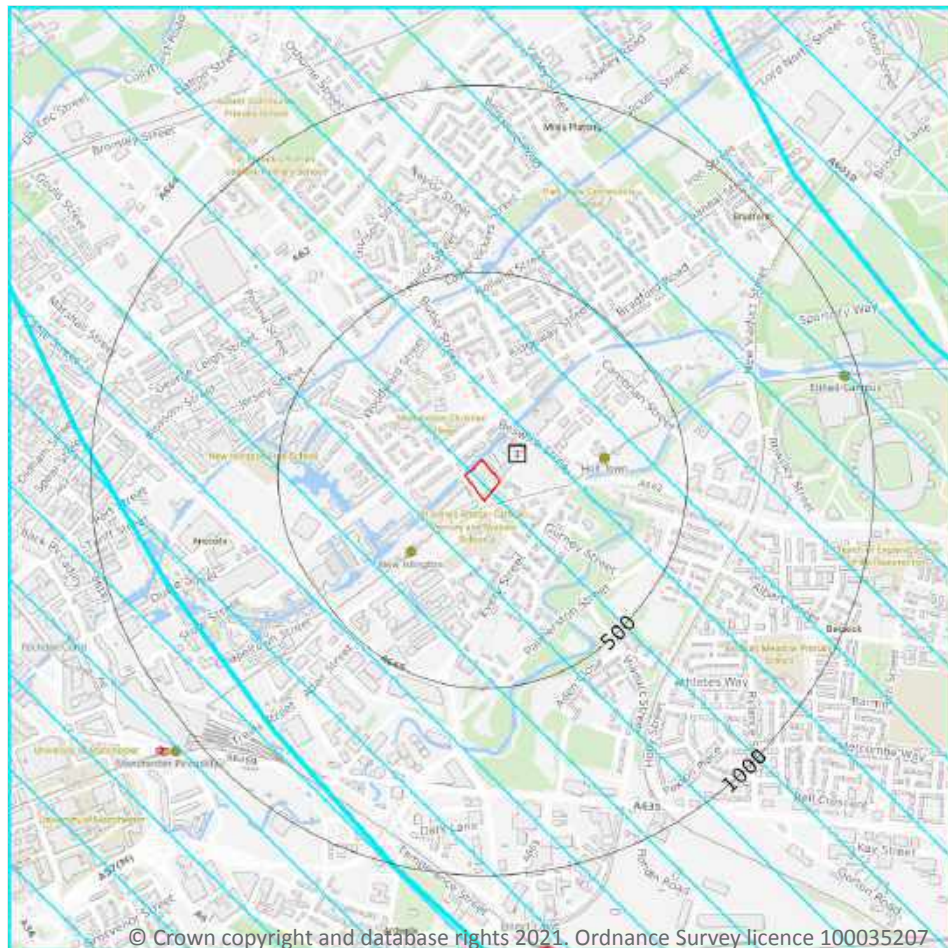
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
590m NE	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	S638	Existing
1569m NW	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	S638	Existing
1835m NW	Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ	Surface Water	S643	Existing
1905m NW	Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ	Surface Water	S643	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 107**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t) 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
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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

8

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 109**

ID	Location	Name	Grade	Reference Number	Listed date
1	8m W	Bridge Number 4 Over Ashton Canal, Ancoats And Beswick, Manchester, M4	II	1197777	06/06/1994
2	15m NE	Hope Mill, Ancoats And Beswick, Manchester, M4	II*	1246950	06/06/1994
3	68m NE	Spectator Mill, Ancoats And Beswick, Manchester, M4	II	1270677	06/06/1994
4	108m NE	Bridge Number 5 Over Ashton Canal, Ancoats And Beswick, Manchester, M4	II	1197805	06/06/1994



ID	Location	Name	Grade	Reference Number	Listed date
5	167m NE	Former Cotton Mill Immediately West Of Brunswick Mill, Ancoats And Beswick, Manchester, M40	II	1208138	06/06/1994
6	214m W	Ardwick And Ancoats Hospital, Ancoats And Beswick, Manchester, M4	II	1283019	03/10/1974
7	227m S	Former Church Of All Souls, Ancoats And Beswick, Manchester, M4	II	1200825	15/10/1984
8	233m SW	Ashton Canal Lock Number 3 On South Side Of Ancoats Hospital, Ancoats And Beswick, Manchester, M4	II	1283048	06/06/1994

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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

0

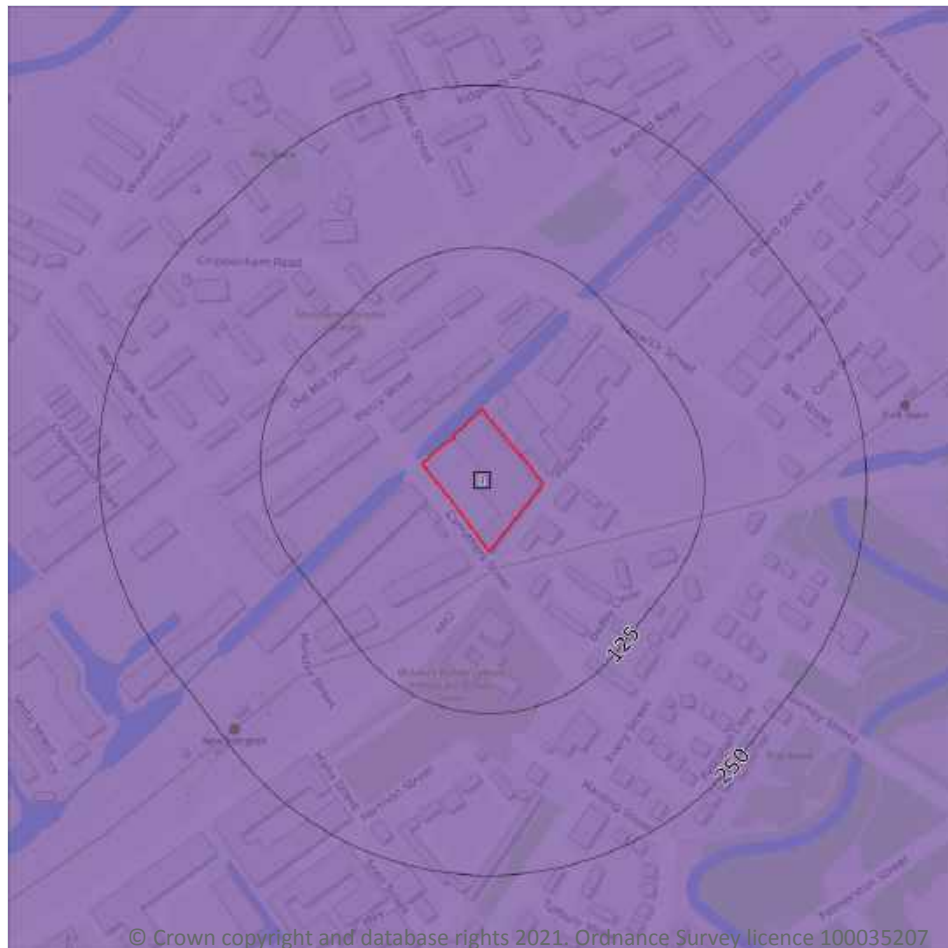
Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the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



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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on **page 113**

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

4

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

Features are displayed on the Habitat designations map on **page 115**

ID	Location	Main Habitat	Other habitats
1	182m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	206m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	222m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	234m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



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 115**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
2	214m W	NLUD Ref: 421501470	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

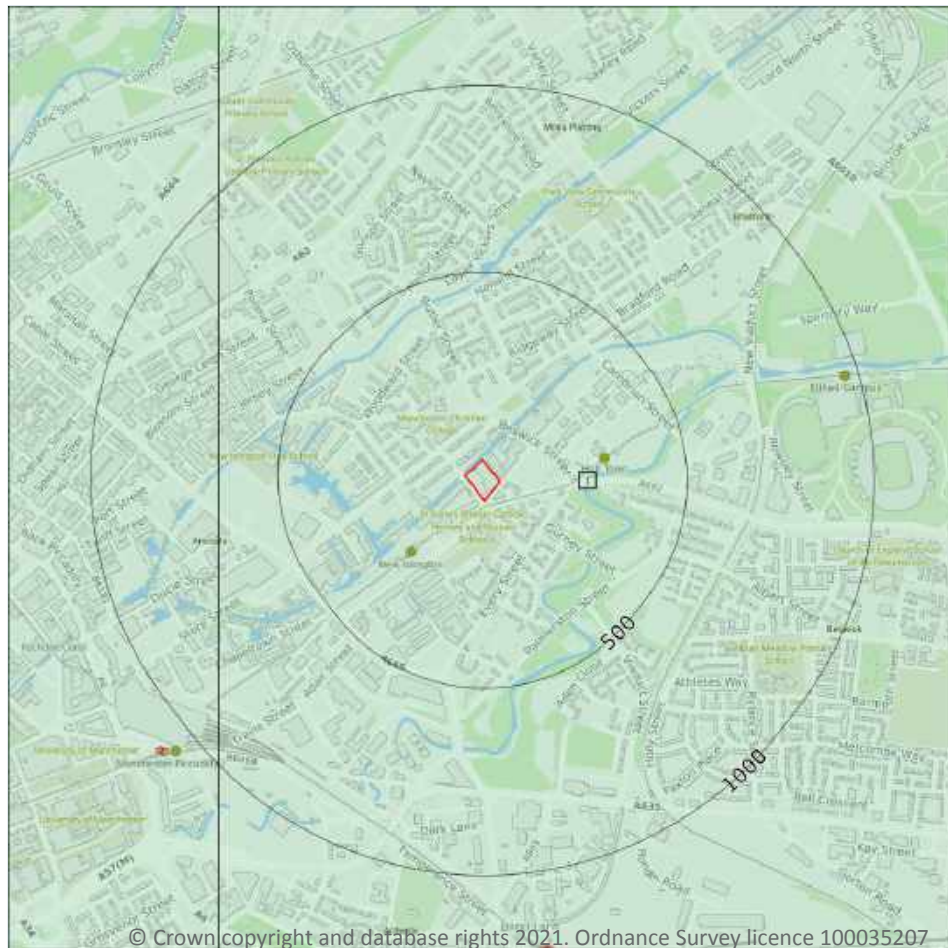
0

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.

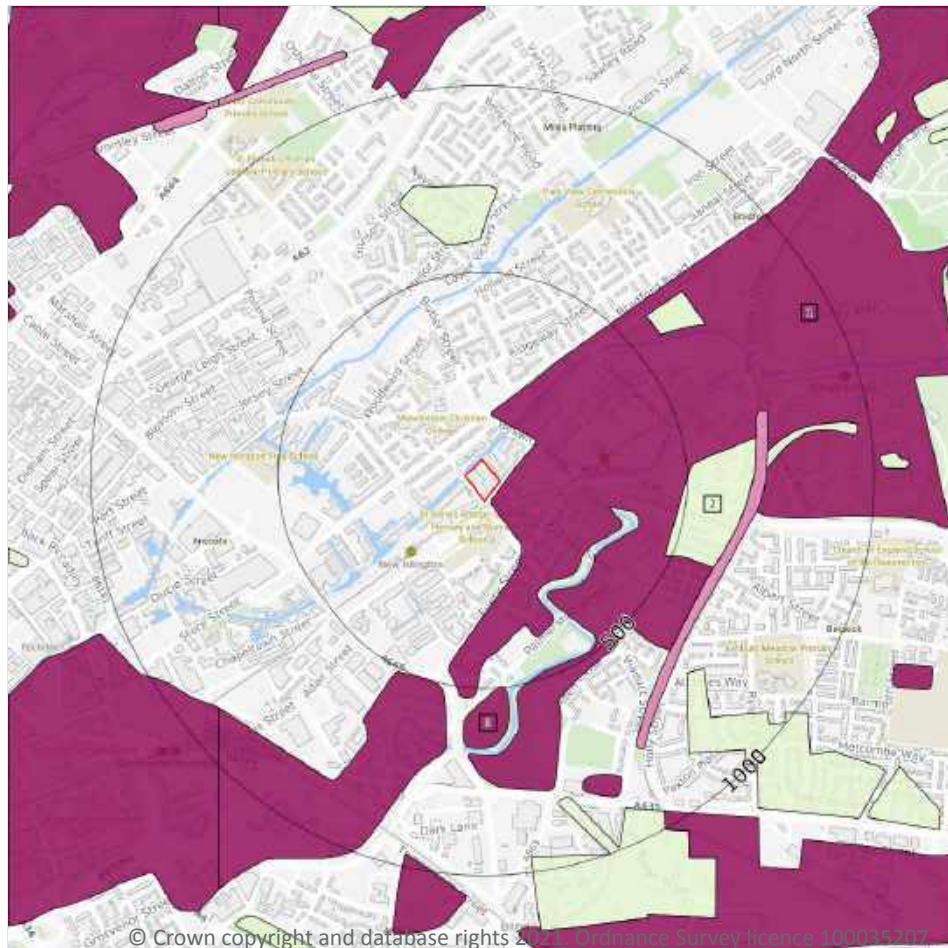
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 117**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SJ89NE

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.

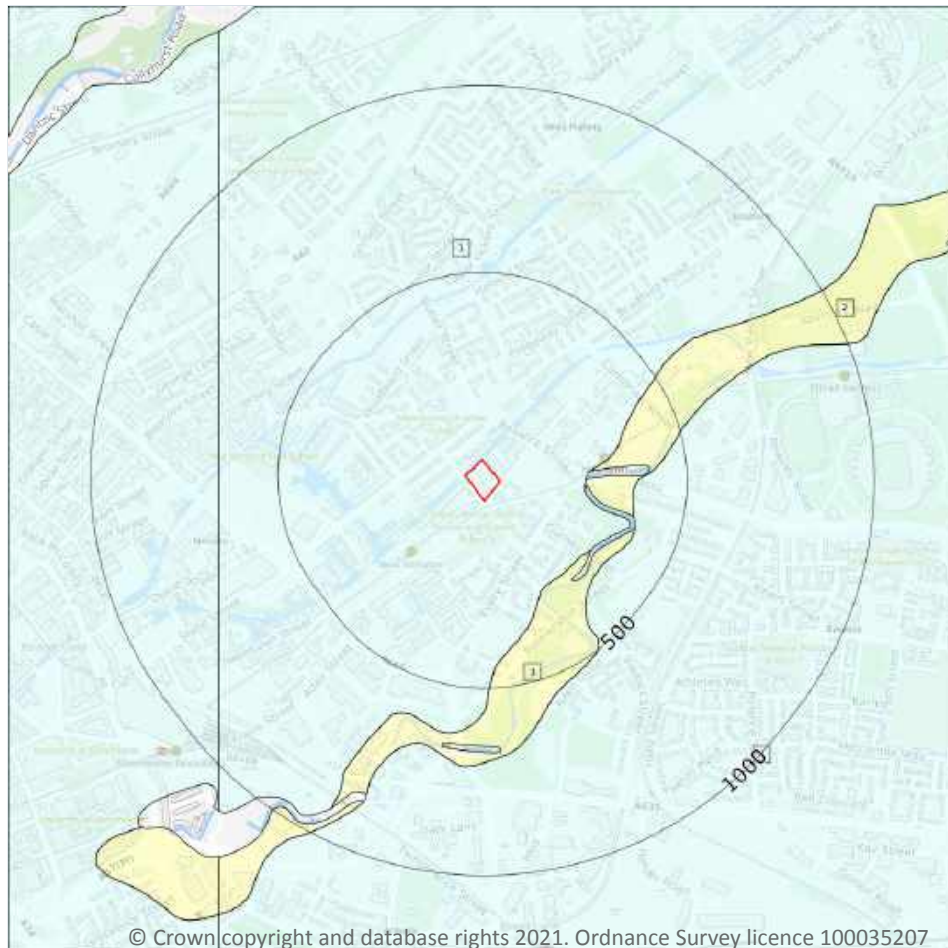
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 118**

ID	Location	LEX Code	Description	Rock description
1	11m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	478m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	498m S	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 119**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
2	228m E	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	279m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

ID	Location	LEX Code	Description	Rock description
4	353m SE	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

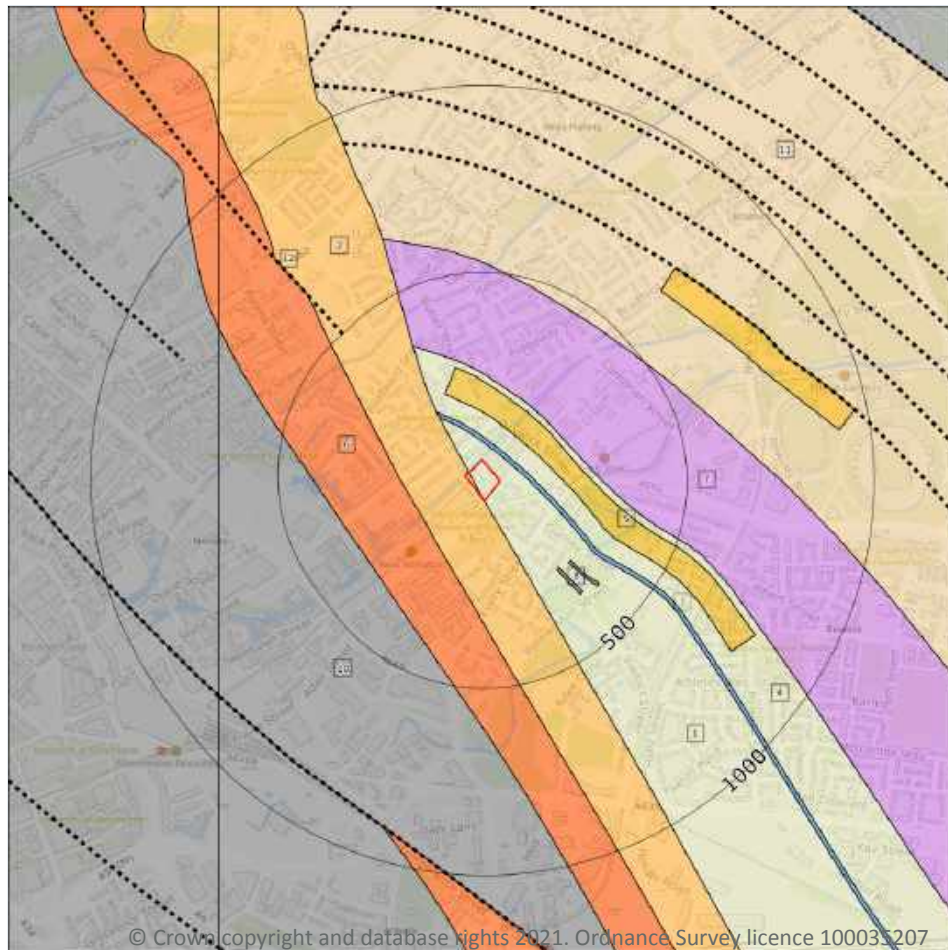
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

11

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 121**

ID	Location	LEX Code	Description	Rock age
1	On site	HA-MDSS	Halesowen Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
2	On site	CS-SDST	Collyhurst Sandstone Formation - Sandstone	Cisuralian Epoch
3	39m NE	GML-LMST	Great Mine Limestone - Limestone	Westphalian D Sub-age

ID	Location	LEX Code	Description	Rock age
4	50m NE	HA-MDSS	Halesowen Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
5	105m NE	HTS-SDST	Holt Town Sandstone Bed - Sandstone	Westphalian D Sub-age
6	155m SW	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]
7	193m NE	ETM-STMD	Etruria Formation - Sandstone And Mudstone	Westphalian Age
8	266m SE	YDLS-LMST	Yard Limestone - Limestone	Westphalian D Sub-age
9	279m SE	HYLS-LMST	Half Yard Limestone - Limestone	Westphalian D Sub-age
10	342m SW	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch
11	463m NE	PUCM-MDSS	Pennine Upper Coal Measures Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age - Bolsovian Sub-age

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 121**

ID	Location	Category	Description
12	499m NW	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.

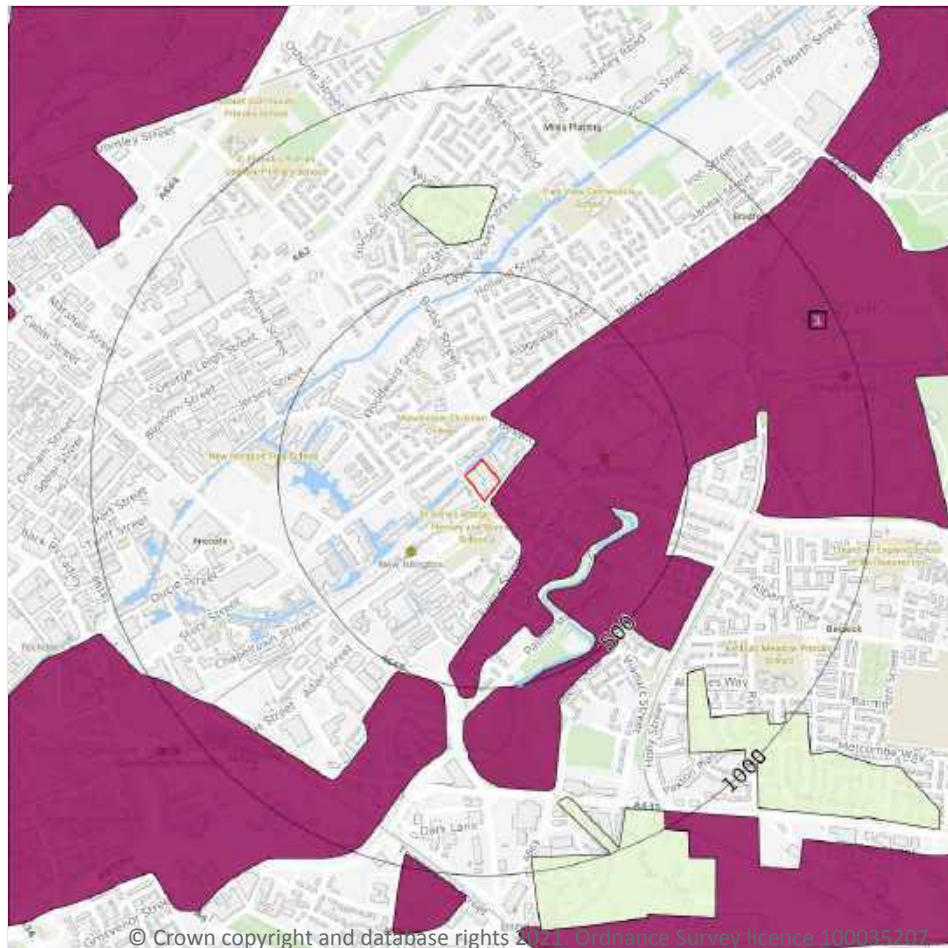
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 123**

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 124**

ID	Location	LEX Code	Description	Rock description
1	11m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

1

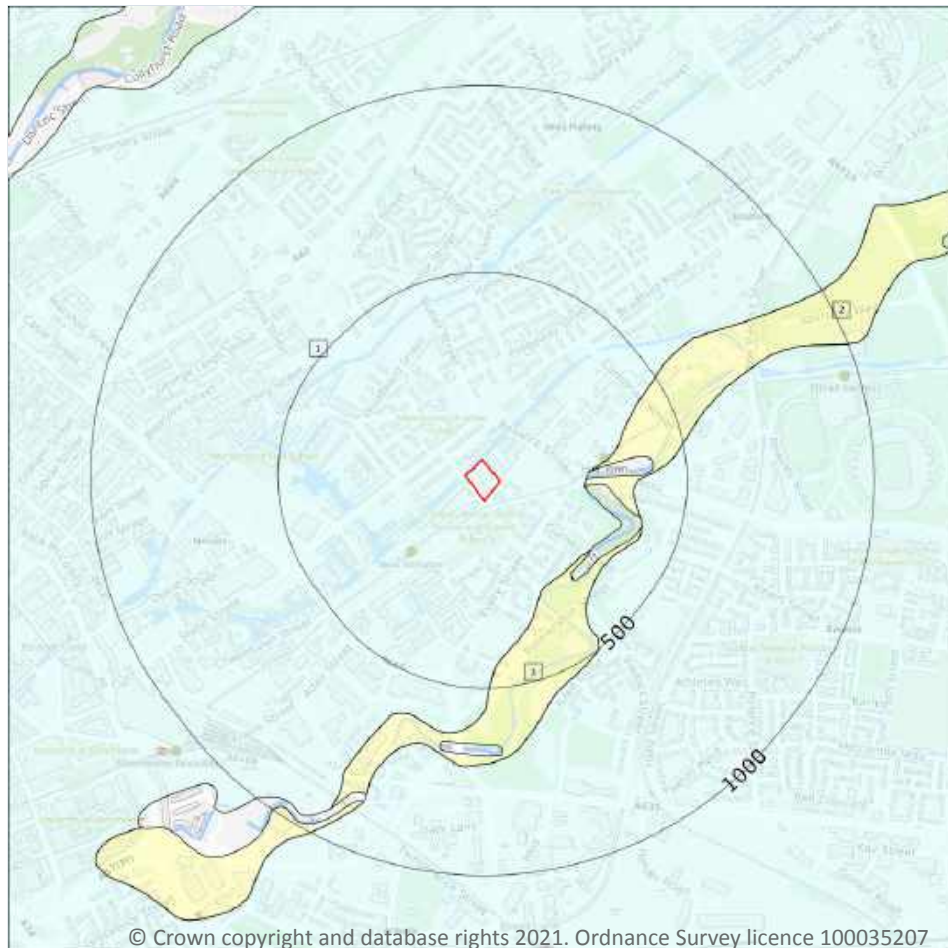
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
11m E	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

3

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 126**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON
2	227m E	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	280m SE	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	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

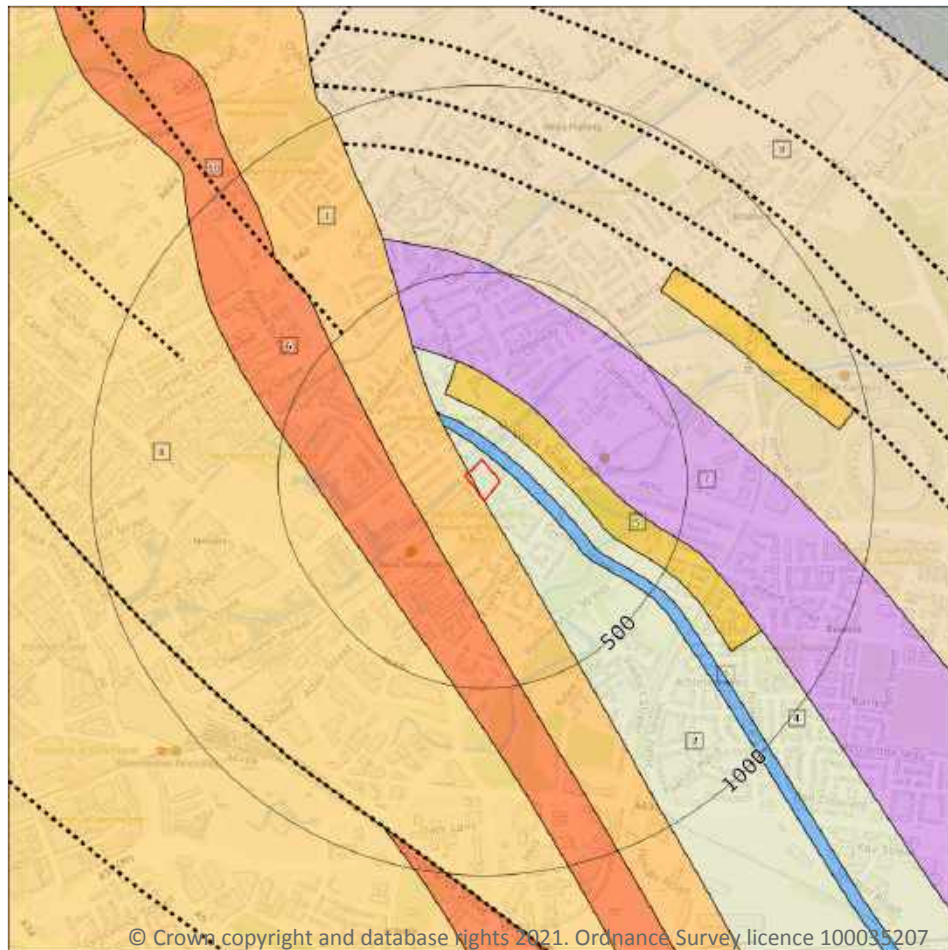
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

9

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 128**

ID	Location	LEX Code	Description	Rock age
1	On site	CS-SDST	COLLYHURST SANDSTONE FORMATION - SANDSTONE	-
2	On site	HA-MDSS	HALESOWEN FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	19m NE	GML-LMST	GREAT MINE LIMESTONE - LIMESTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
4	50m NE	HA-MDSS	HALESOWEN FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
5	105m NE	HTS-SDST	HOLT TOWN SANDSTONE BED - SANDSTONE	WESTPHALIAN
6	155m SW	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-
7	193m NE	ETM-STMD	ETRURIA FORMATION - SANDSTONE AND MUDSTONE	WESTPHALIAN
8	342m SW	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN
9	462m NE	PUCM-MDSS	PENNINE UPPER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

3

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	Intergranular	High	High
On site	Fracture	Moderate	Low
19m SE	Fracture	High	High

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.

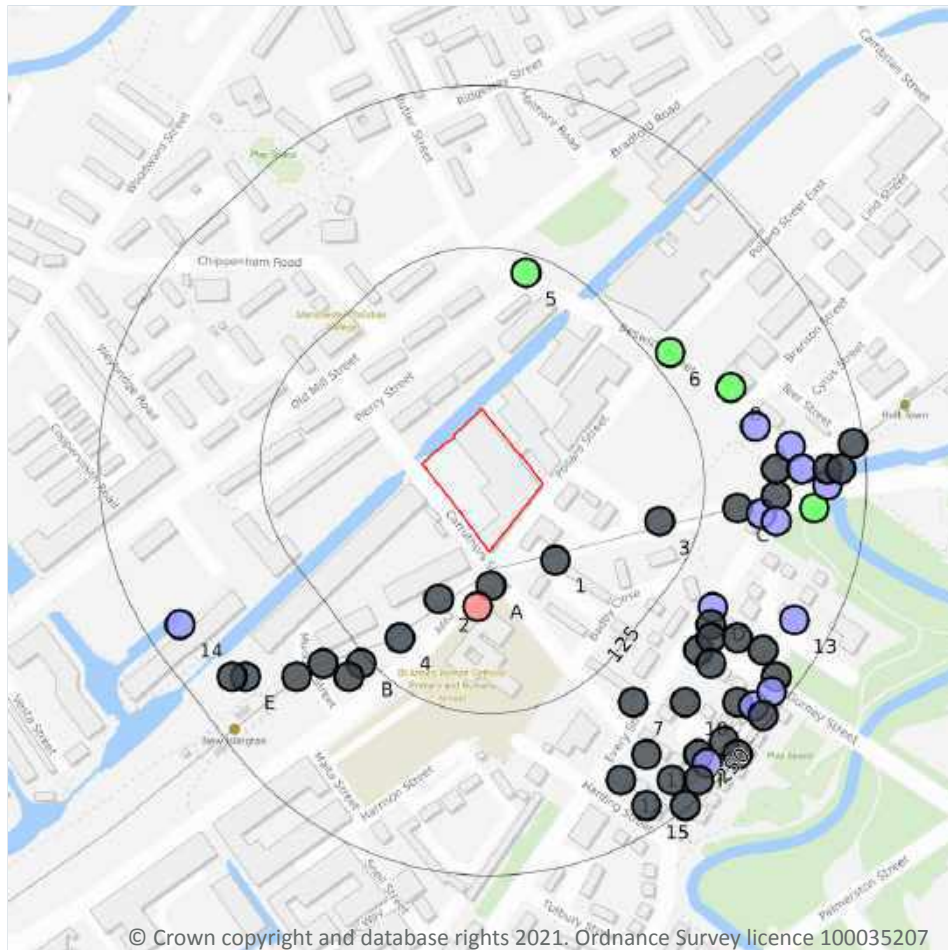
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 128**

ID	Location	Category	Description
10	499m NW	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

54

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 130**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	26m S	385710 398390	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHD1	-	Y	N/A
A	43m S	385700 398374	HUGH STEVENSON & SONS LTD, POLLARD STREET	60.96	N	936506



ID	Location	Grid reference	Name	Length	Confidential	Web link
1	44m SE	385760 398410	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP D1	-	Y	N/A
2	53m SW	385670 398380	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C8	-	Y	N/A
3	94m E	385840 398440	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP D2	-	Y	N/A
4	95m SW	385640 398350	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C7	-	Y	N/A
5	111m N	385737 398632	MANCHESTER CORP. BESWICK STREET	13.41	N	936463
B	131m SW	385610 398330	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C6	-	Y	N/A
6	139m NE	385848 398570	MANCHESTER CORP. BESWICK STREET	13.72	N	936464
B	145m SW	385600 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHC2	-	Y	N/A
C	151m E	385900 398450	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP D3	-	Y	N/A
B	155m SW	385580 398330	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C5	-	Y	N/A
7	161m SE	385820 398300	EVERY STREET 5	-	Y	N/A
D	162m SE	385881 398373	MANCHESTER CORP. RUSSEL STREET	9.45	N	936469
8	163m NE	385895 398543	MANCHESTER CORP. BESWICK STREET	10.97	N	936465
D	169m SE	385880 398360	EVERY STREET 6	-	Y	N/A
9	170m E	385914 398513	MANCHESTER CORP. BESWICK STREET	9.14	N	936462
C	171m E	385919 398446	MANCHESTER CORP. MITCHELL STREET	8.53	N	936468
D	174m SE	385870 398340	EVERY STREET SEWER REPLACEMENT 6A	-	Y	N/A
D	176m SE	385880 398350	EVERY STREET SEWER REPLACEMENT TP6	-	Y	N/A
B	177m SW	385560 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C4	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
C	180m E	385930 398460	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHD2	-	Y	N/A
C	180m E	385930 398480	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP D4	-	Y	N/A
C	182m E	385930 398440	LOWER MEDLOCK UCSO 513	10.0	N	937048
D	188m SE	385880 398330	EVERY STREET THV	-	Y	N/A
10	191m SE	385860 398300	EVERY STREET THW	-	Y	N/A
D	191m SE	385900 398350	EVERY STREET 3	-	Y	N/A
C	193m E	385941 398498	MANCHESTER CORP. BESWICK STREET	9.45	N	936466
11	198m SE	385830 398260	EVERY STREET 2	-	Y	N/A
C	200m E	385950 398480	LOWER MEDLOCK UCSO 511	7.4	N	937046
12	203m SE	385810 398240	EVERY STREET THX	-	Y	N/A
E	209m SW	385520 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHC1	-	Y	N/A
C	211m E	385960 398450	LOWER MEDLOCK UCSO 512	30.0	N	937047
D	213m SE	385920 398340	EVERY STREET THU	-	Y	N/A
E	217m SW	385510 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C3	-	Y	N/A
C	220m E	385970 398468	MANCHESTER CORP. BESWICK STREET	7.62	N	936467
C	220m E	385970 398480	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 9	-	Y	N/A
13	220m SE	385944 398364	EVERY STREET, ANCOATS 5.	6.5	N	18018794
D	222m SE	385900 398300	EVERY STREET 5	-	Y	N/A
14	224m SW	385470 398360	ANCOATS HOSPITAL SITE ANCOATS MANCHESTER TP6	3.0	N	17722641
F	225m SE	385870 398260	EVERY STREET THN	-	Y	N/A
F	226m SE	385850 398240	EVERY STREET THJ	-	Y	N/A
C	230m E	385980 398480	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHE4	-	Y	N/A

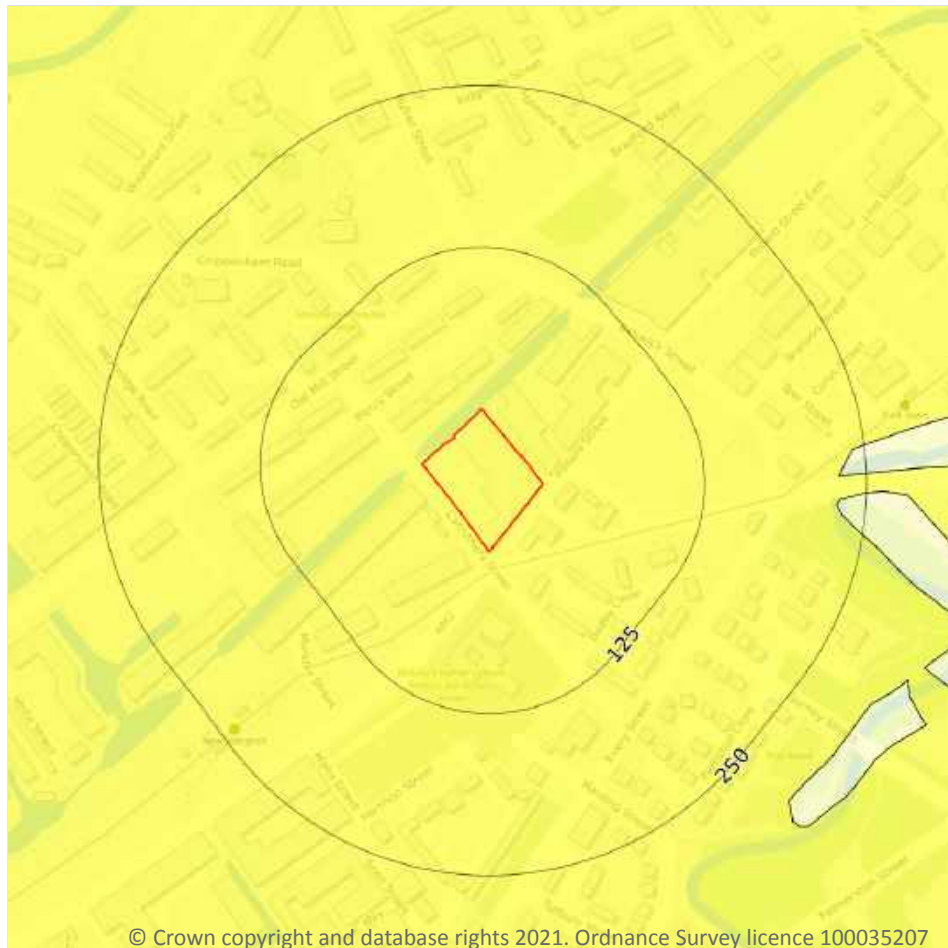


ID	Location	Grid reference	Name	Length	Confidential	Web link
15	231m SE	385830 398220	EVERY STREET THH	-	Y	N/A
F	233m SE	385890 398270	EVERY STREET THP	-	Y	N/A
D	233m SE	385930 398320	EVERY STREET THT	-	Y	N/A
D	234m SE	385913 398297	MANCHESTER CORP. RUSSEL STREET	7.16	N	936470
F	235m SE	385877 398253	MANCHESTER CORP. CORNER OF KIRK ST & JUNCTION ST	7.32	N	936433
D	238m SE	385927 398308	EVERY STREET, ANCOATS 3.	8.5	N	18018792
F	239m SE	385870 398240	EVERY STREET THM	-	Y	N/A
C	242m E	385990 398500	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP E1	-	Y	N/A
D	244m SE	385920 398290	EVERY STREET SEWER REPLACEMENT 5	-	Y	N/A
F	247m SE	385900 398260	EVERY STREET THQ	-	Y	N/A
F	248m SE	385860 398220	EVERY STREET THK	-	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).

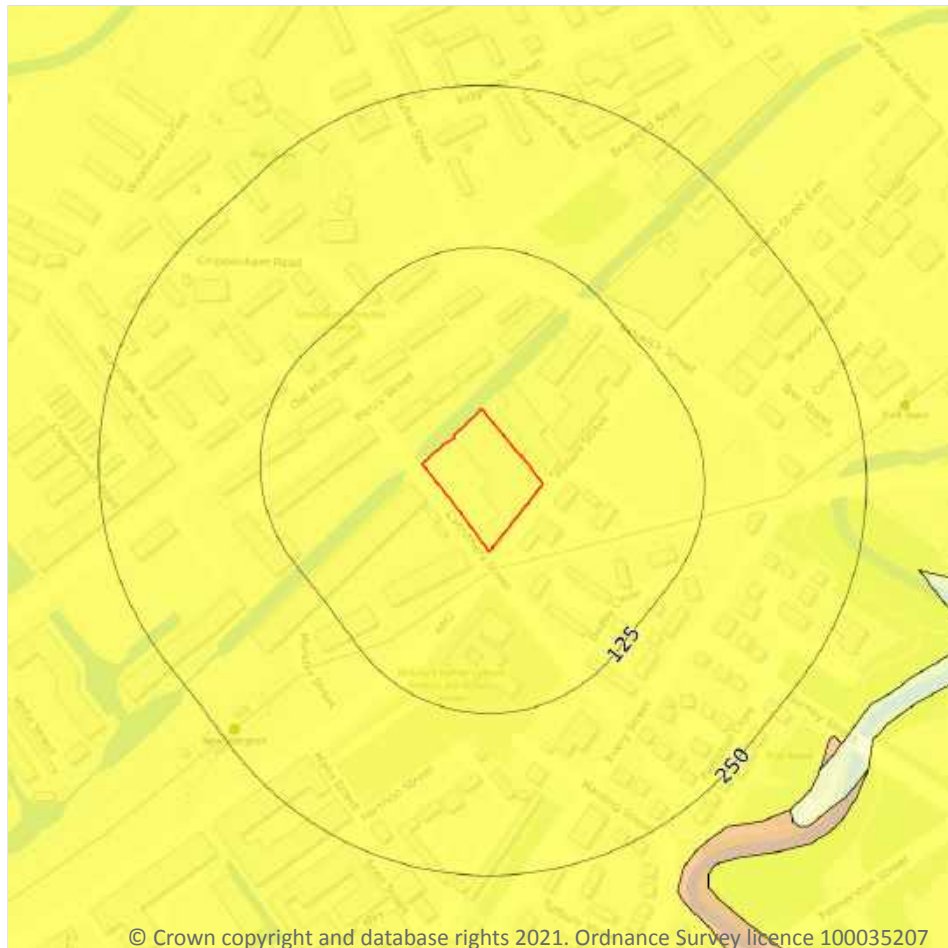
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 134**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- 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.

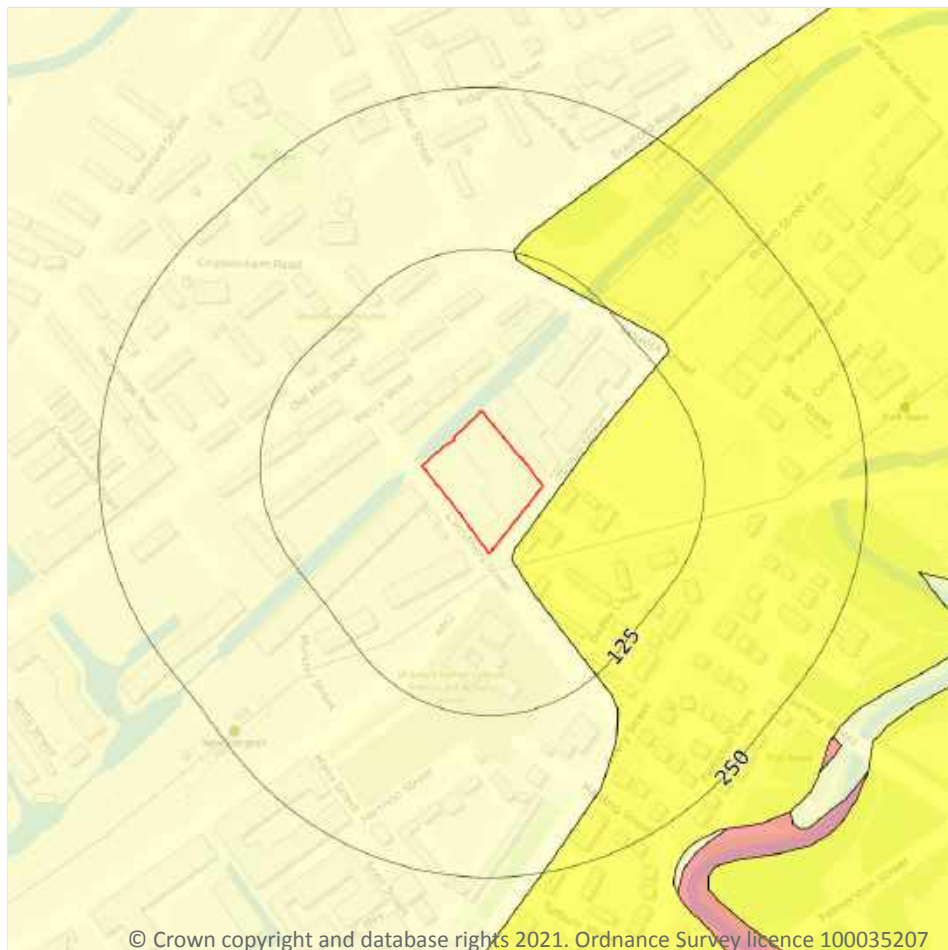
Features are displayed on the Natural ground subsidence - Running sands map on **page 135**

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

2

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

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 136**

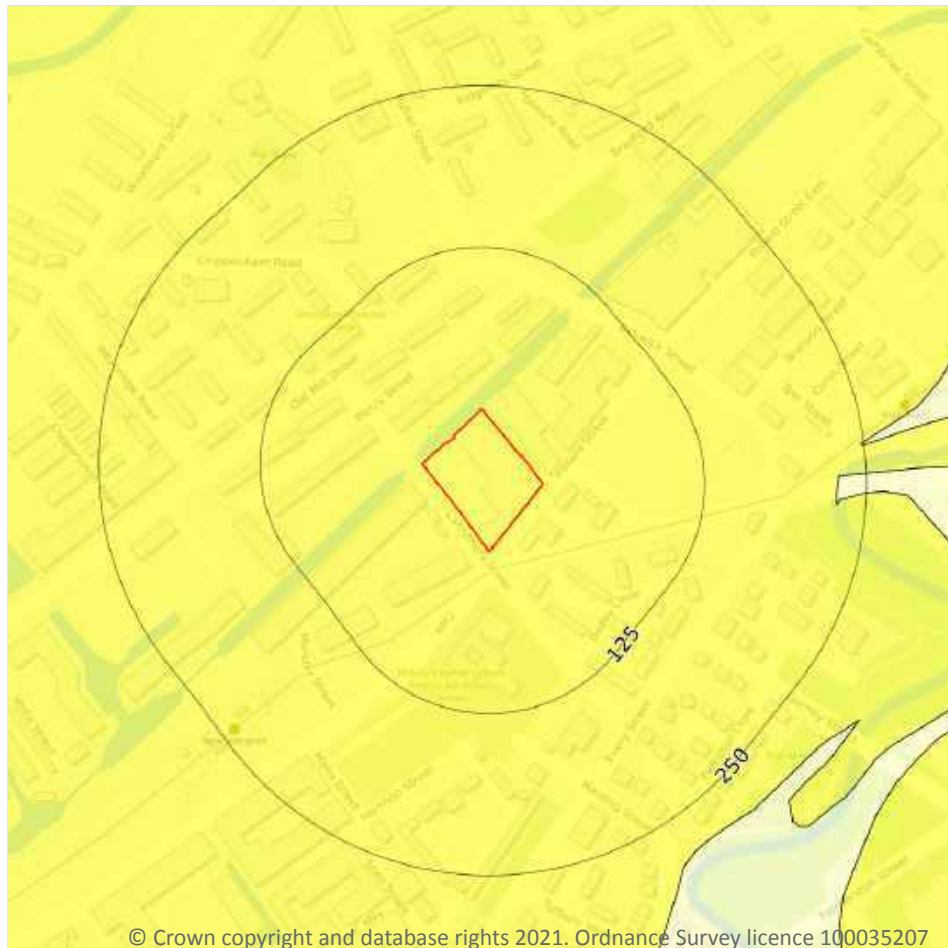
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
11m SE	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.



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.

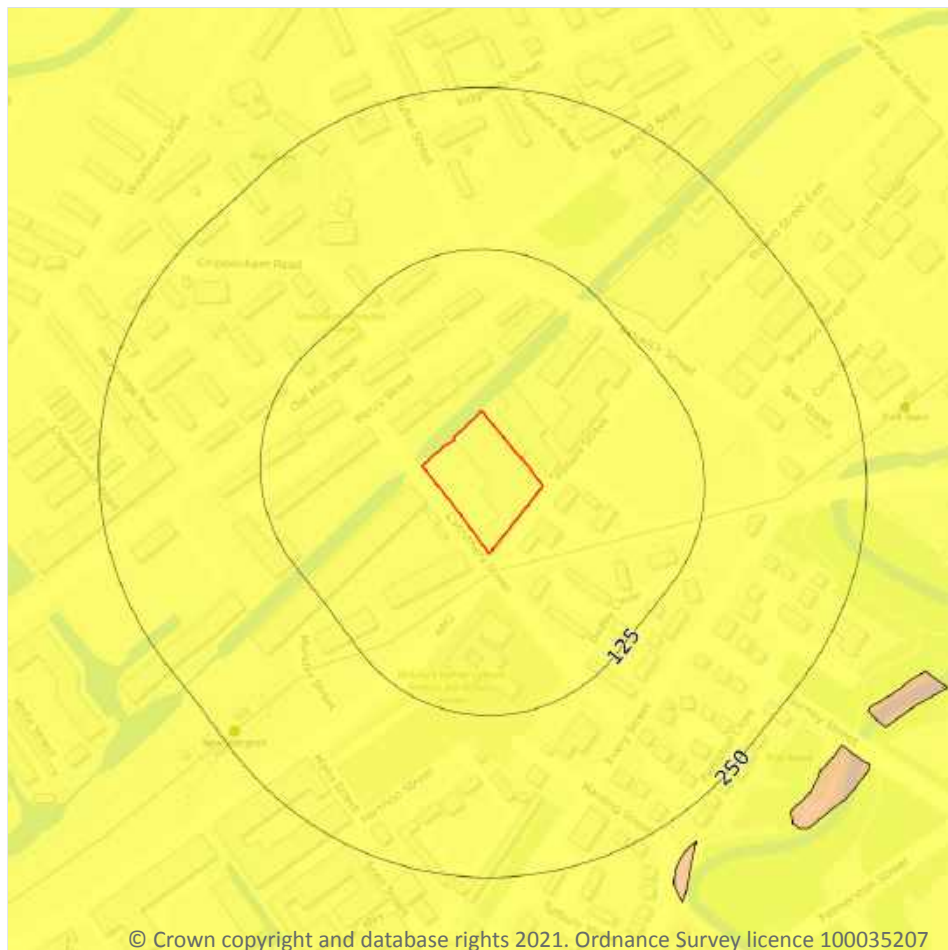
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 138**

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.

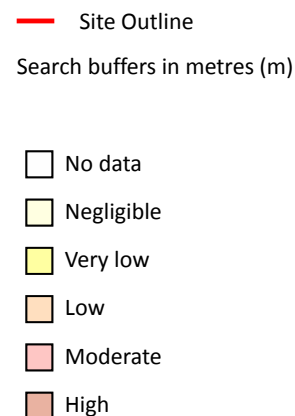
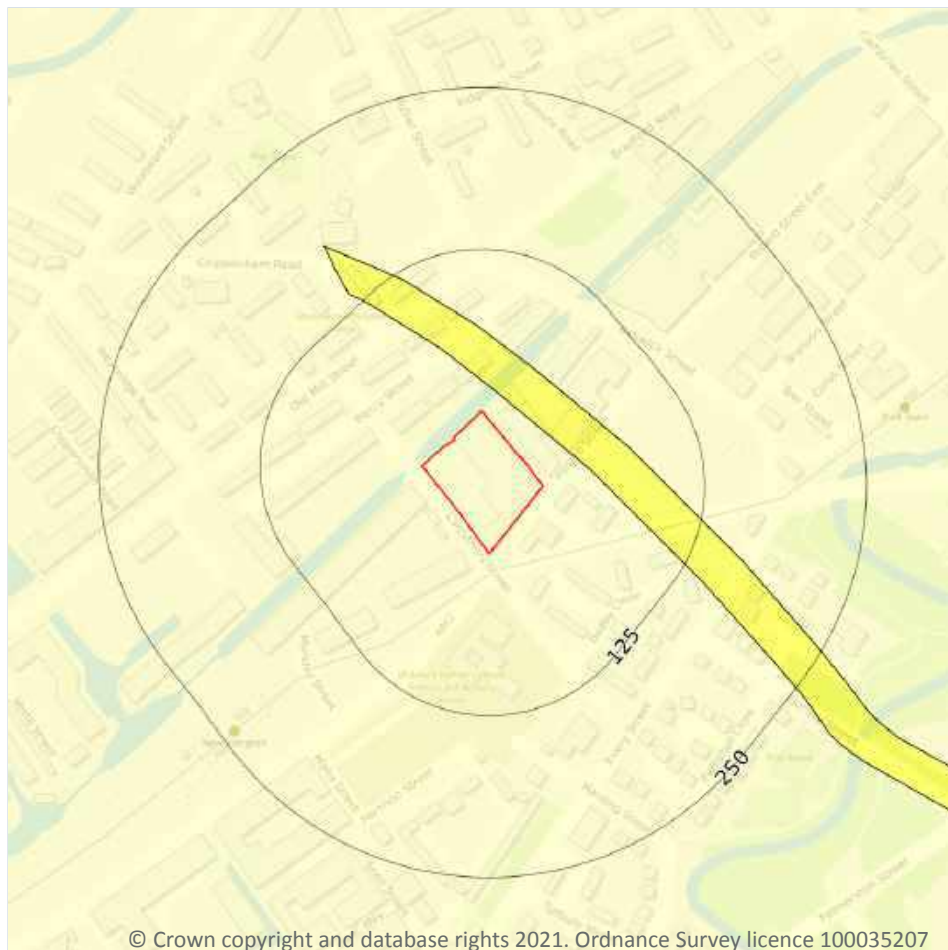
Features are displayed on the Natural ground subsidence - Landslides map on **page 139**

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



17.6 Ground dissolution of soluble rocks

Records within 50m

2

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 140**

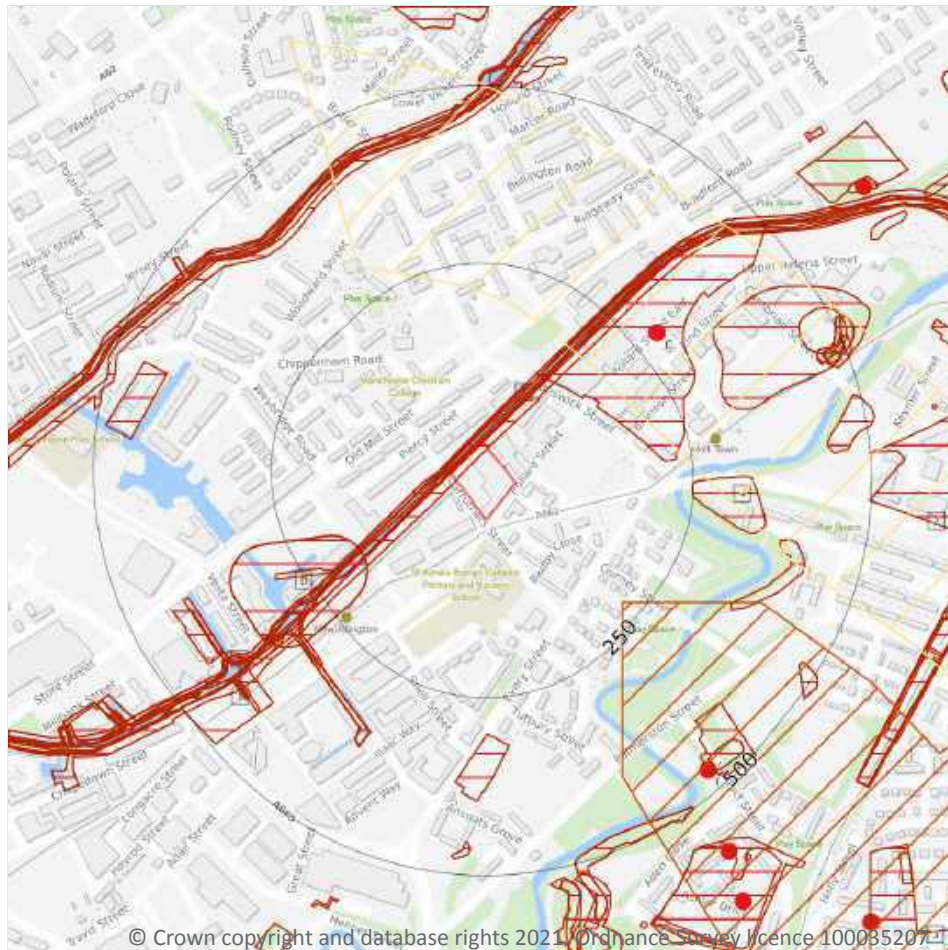
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

Location	Hazard rating	Details
19m NE	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

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

2

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 142**

ID	Location	Details	Description
C	286m NE	Name: Holt Town Brick Field Address: Miles Platting, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	469m SE	Name: Ardwick Lime Works Pit Address: Ardwick, MANCHESTER, Lancashire Commodity: Limestone Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

16

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 142**

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Canal	1923	1:10560
A	On site	Canal	1938	1:10560
A	On site	Canal	1933	1:10560
A	On site	Canal	1921	1:10560
A	On site	Canal	1906	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Canal	1891	1:10560
B	On site	Canal	1968	1:10560
B	On site	Canal	1956	1:10560
B	On site	Canal	1991	1:10000
B	3m NW	Canal	1985	1:10000
B	3m NW	Canal	1978	1:10000
C	123m NE	Brick Field	1851	1:10560
D	167m SW	Unspecified Wharf	1921	1:10560
D	167m SW	Unspecified Wharf	1906	1:10560
D	213m SW	Unspecified Wharf	1923	1:10560
4	249m E	Pond	1851	1:10560

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

2

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).

Features are displayed on the Mining, ground workings and natural cavities map on **page 142**

ID	Location	Name	Commodity	Class	Likelihood
2	180m NE	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
3	222m SE	Ardwick	Limestone - Ardwick	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

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
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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
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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
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



18.13 Clay mining

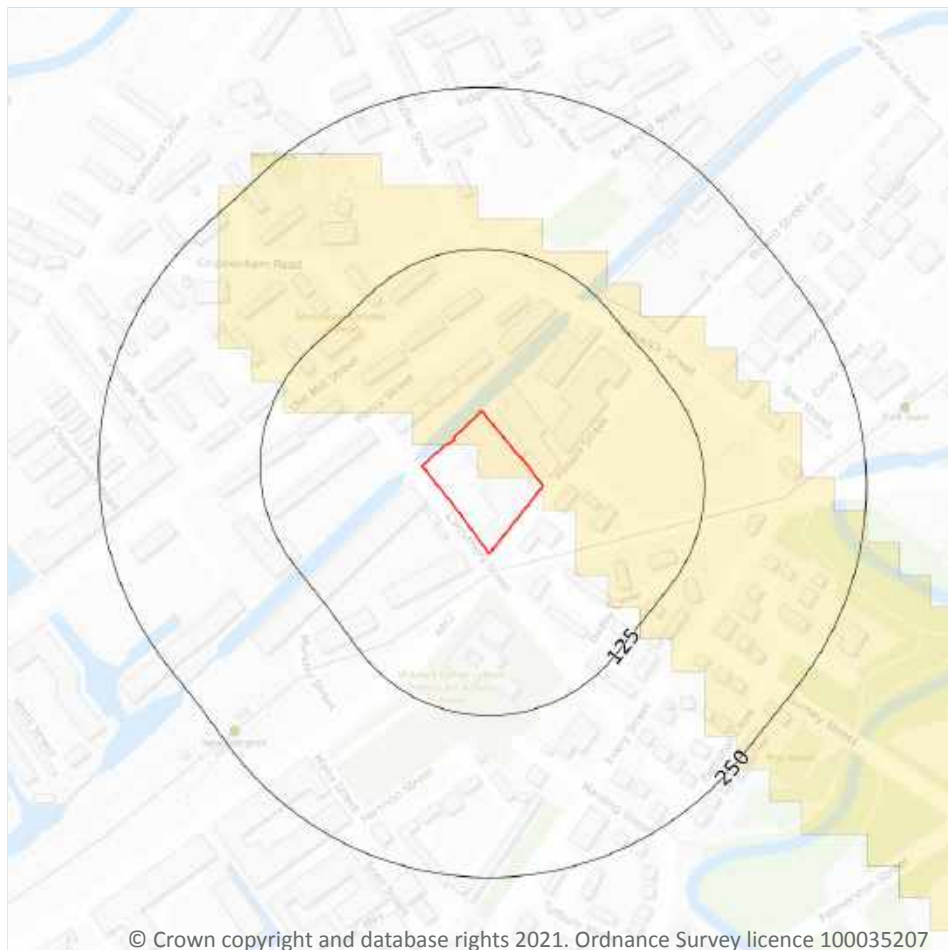
Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

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



19 Radon



- Site Outline**
- Search buffers in metres (m)**
- Greater than 30%
 - Between 10% and 30%
 - Between 5% and 10%
 - Between 3% and 5%
 - Between 1% and 3%
 - Less than 1%

19.1 Radon

Records on site

2

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 148**

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None
On site	Less than 1%	None**



This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

5

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	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
12m S	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
29m NW	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
40m N	25 - 35 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

7

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	20	3.5	113	78	0.8	95	24	26	4



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	22	3.8	149	102	1.6	121	30	28	5
On site	22	3.8	162	111	1.6	112	32	28	6
On site	22	3.8	120	82	0.8	106	25	27	4
16m S	19	3.3	142	98	1.6	113	28	26	4
18m SW	20	3.5	65	45	0.5	102	29	27	5
50m E	23	4	282	194	0.8	131	120	29	27

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

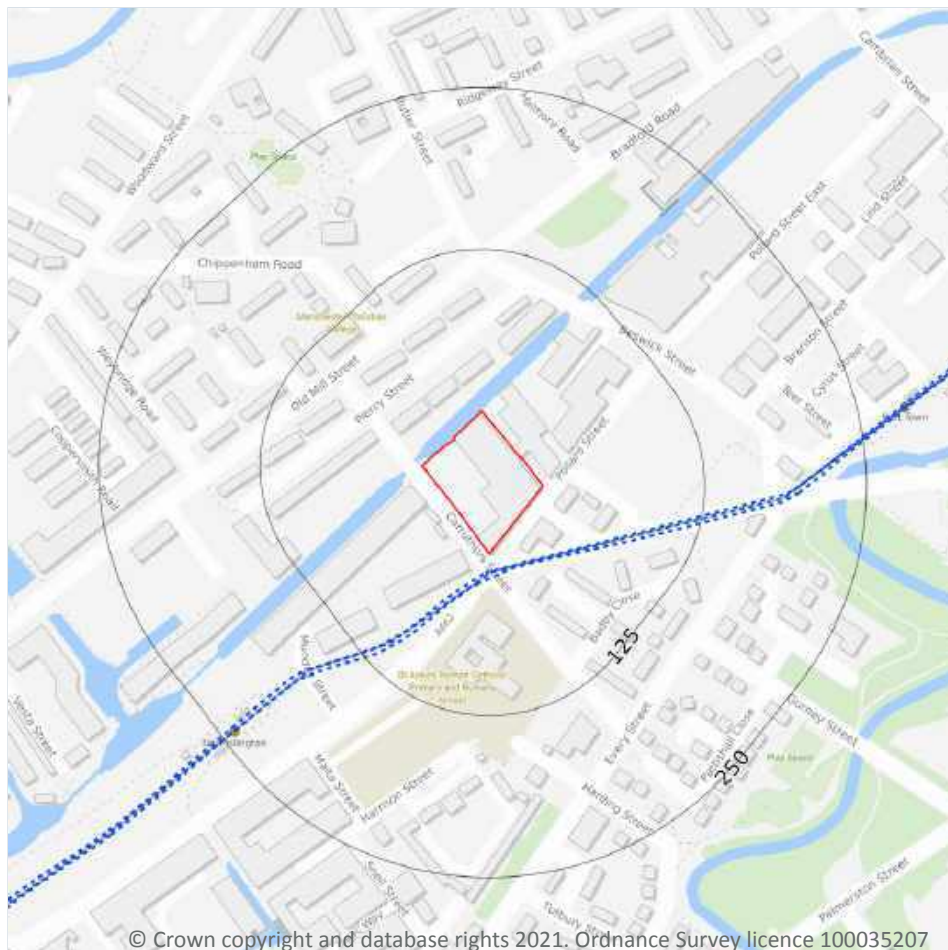
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

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
- Crossrail 1 Worksites
- 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 152**

Location	Land Use	Year of mapping	Mapping scale
204m NE	Tramway Sidings	1891	500

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

10

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 152**

Location	Name	Type
14m S		light_rail
14m S	Not given	Multi Track
15m S		light_rail
18m SE		light_rail
25m S		light_rail
174m SW		light_rail
189m E		light_rail
192m SW		light_rail
198m E		light_rail
230m E		light_rail

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>.

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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: 1056 Scale Town Plan

Map date: 1851

Scale: 1:1,056

Printed at: 1:1,056



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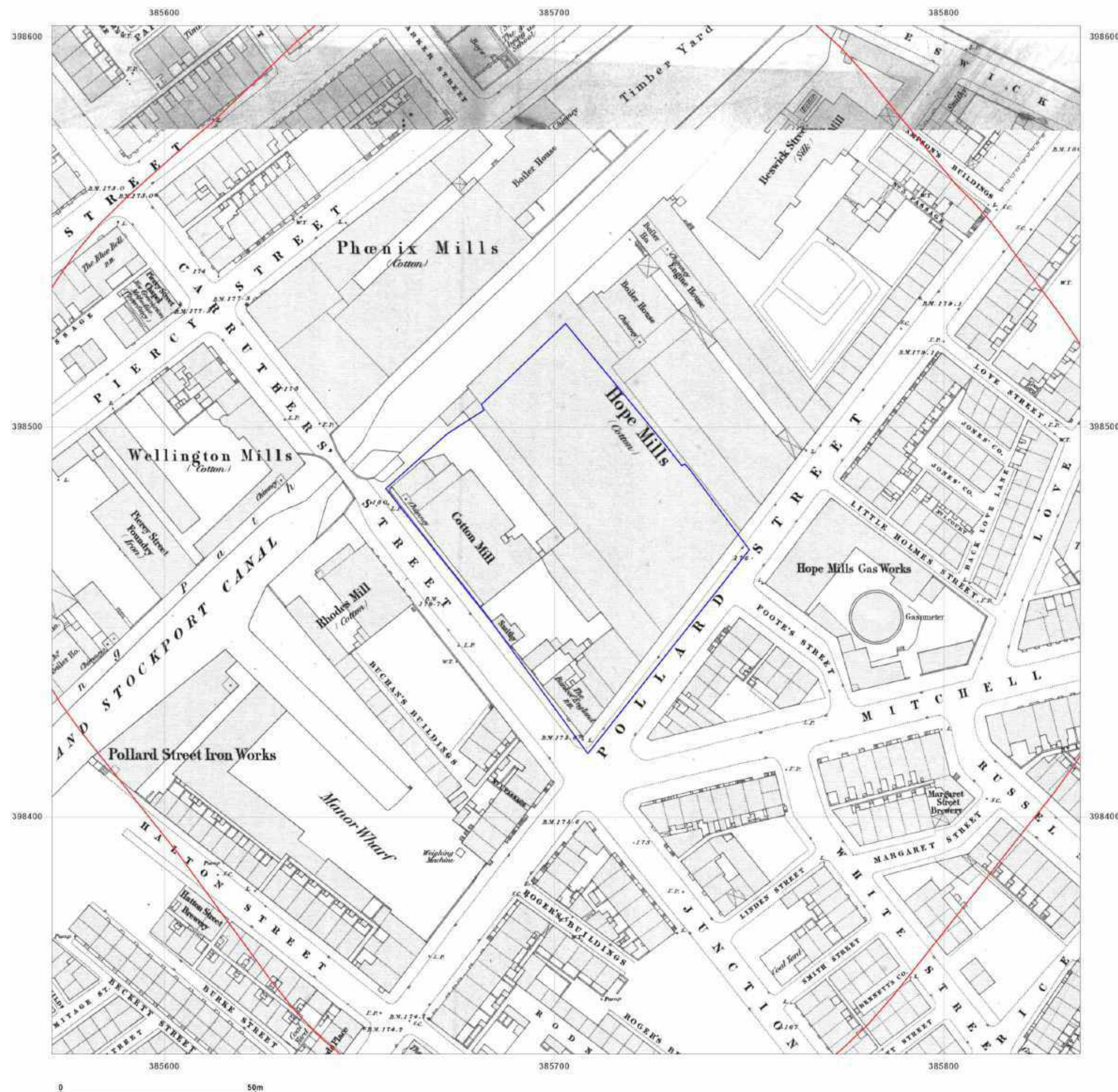


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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: County Series Town Plan

Map date: 1891

Scale: 1:500

Printed at: 1:1,000



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Grid Ref: 385703, 398471

Map Name: County Series

Map date: 1889-1893

Scale: 1:2,500

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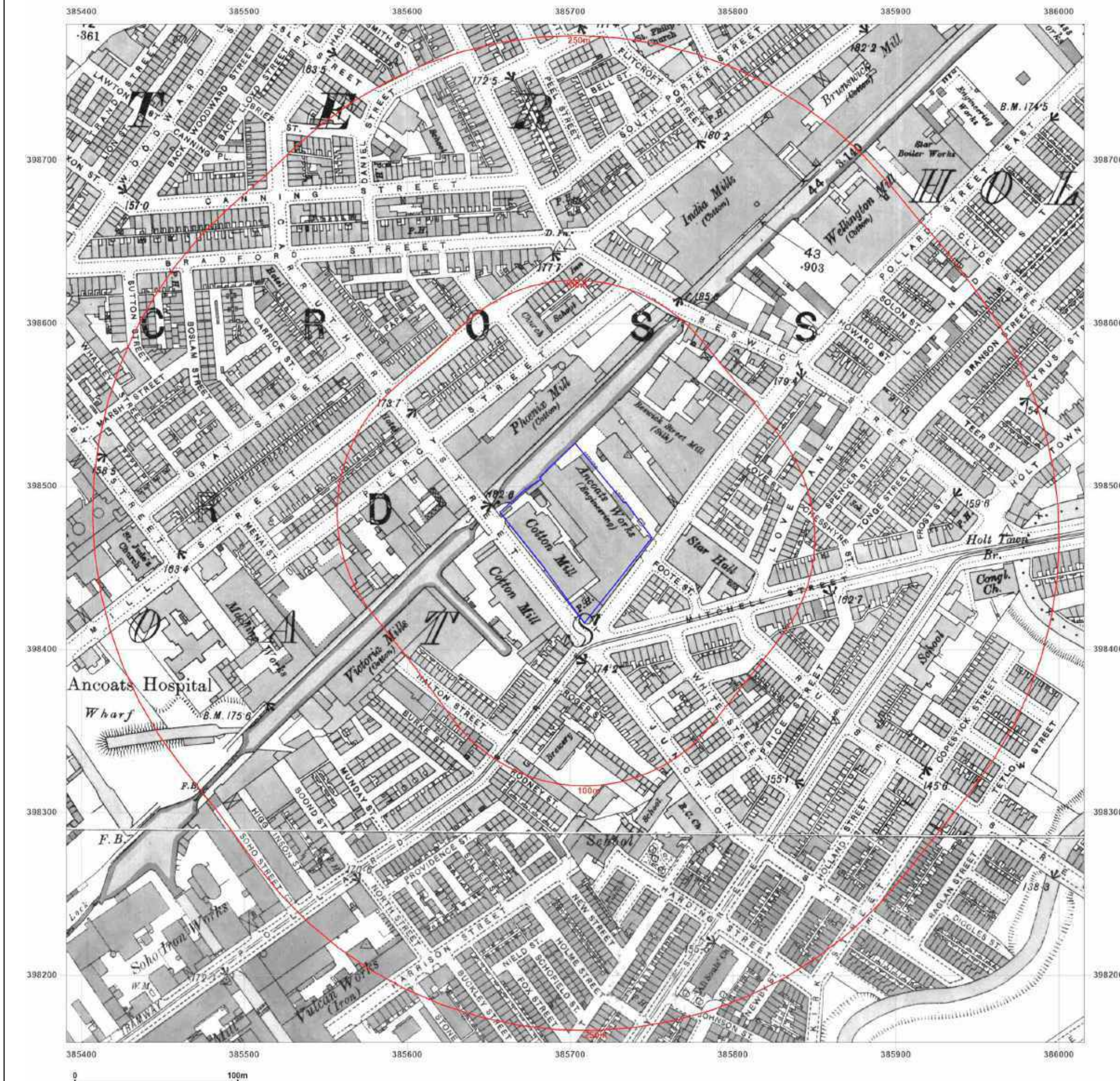


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Grid Ref: 385703, 398471

Map Name: County Series

Map date: 1908

Scale: 1:2,500

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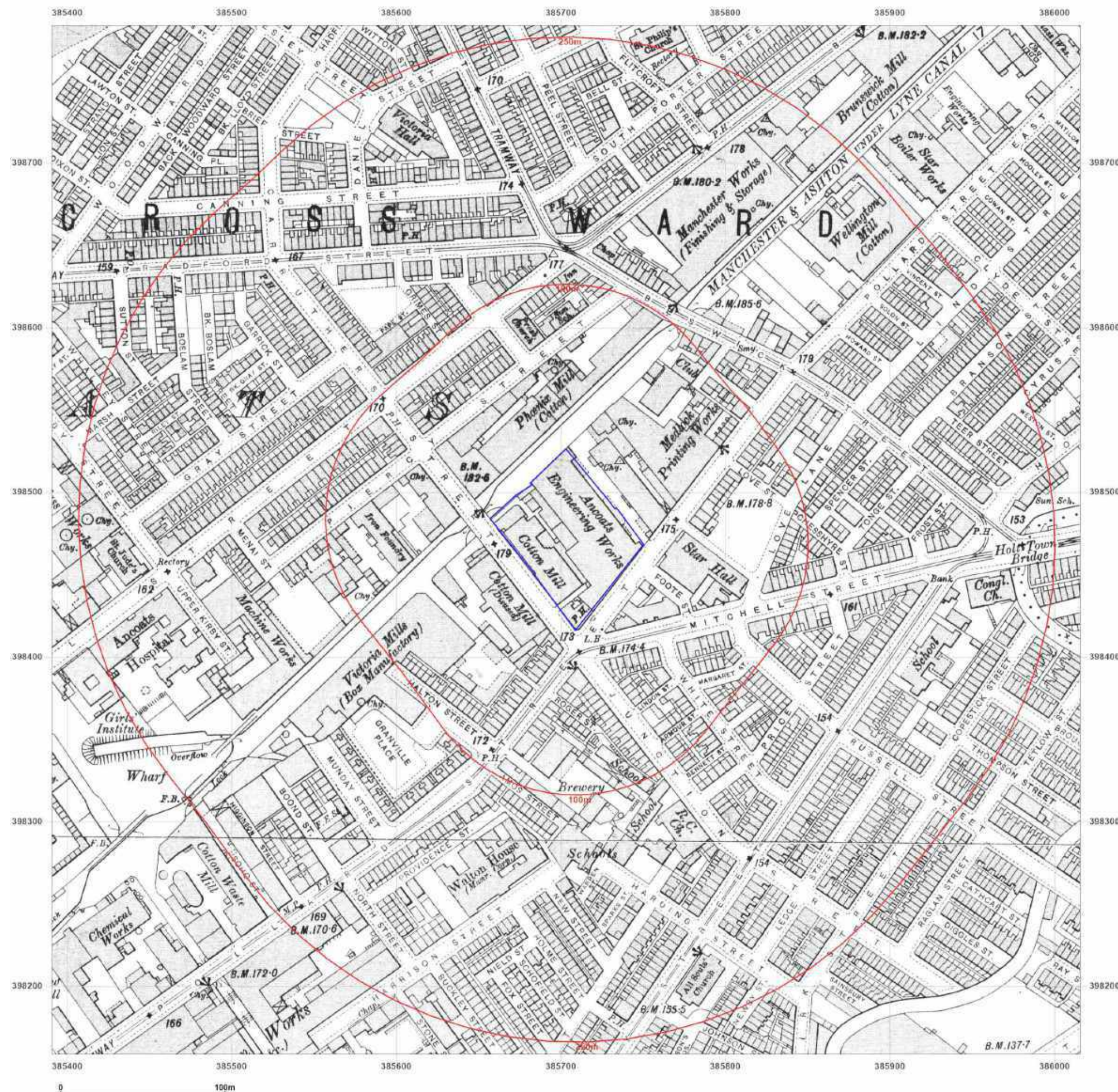


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Map Name: County Series

Map date: 1922

Scale: 1:2,500

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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1948

Scale: 1:2,500

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Edition N/A
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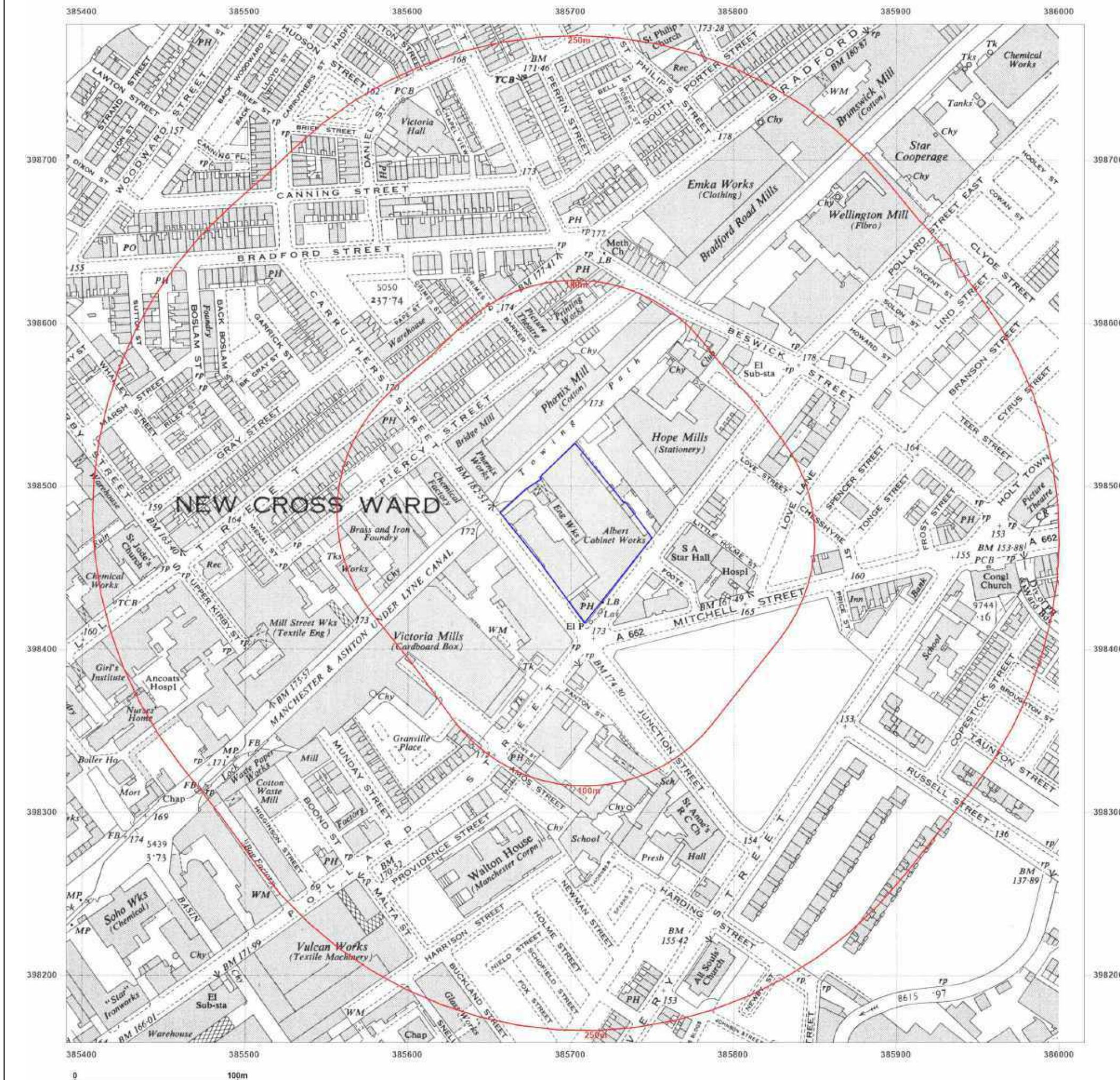


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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1951

Scale: 1:2,500

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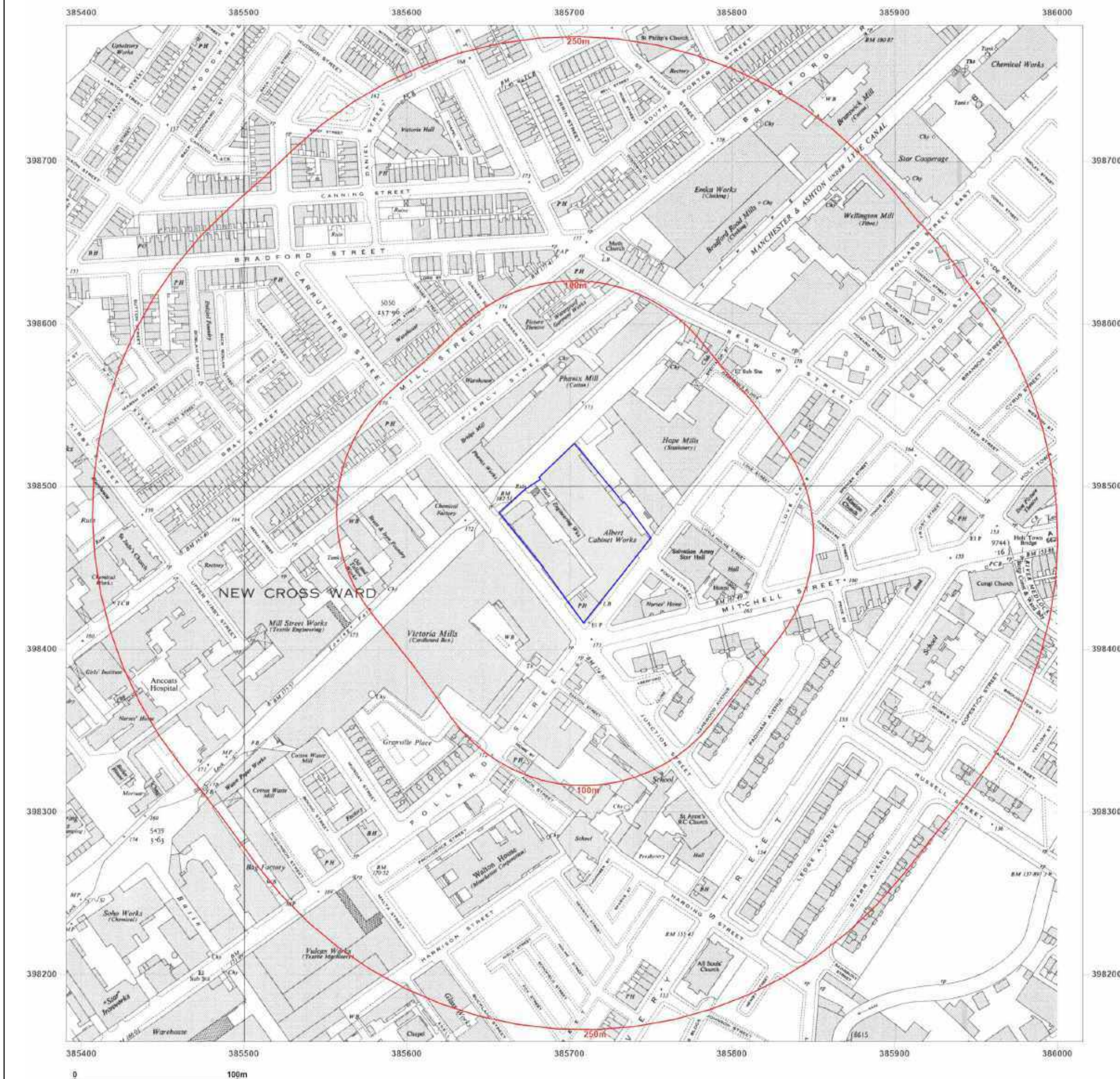


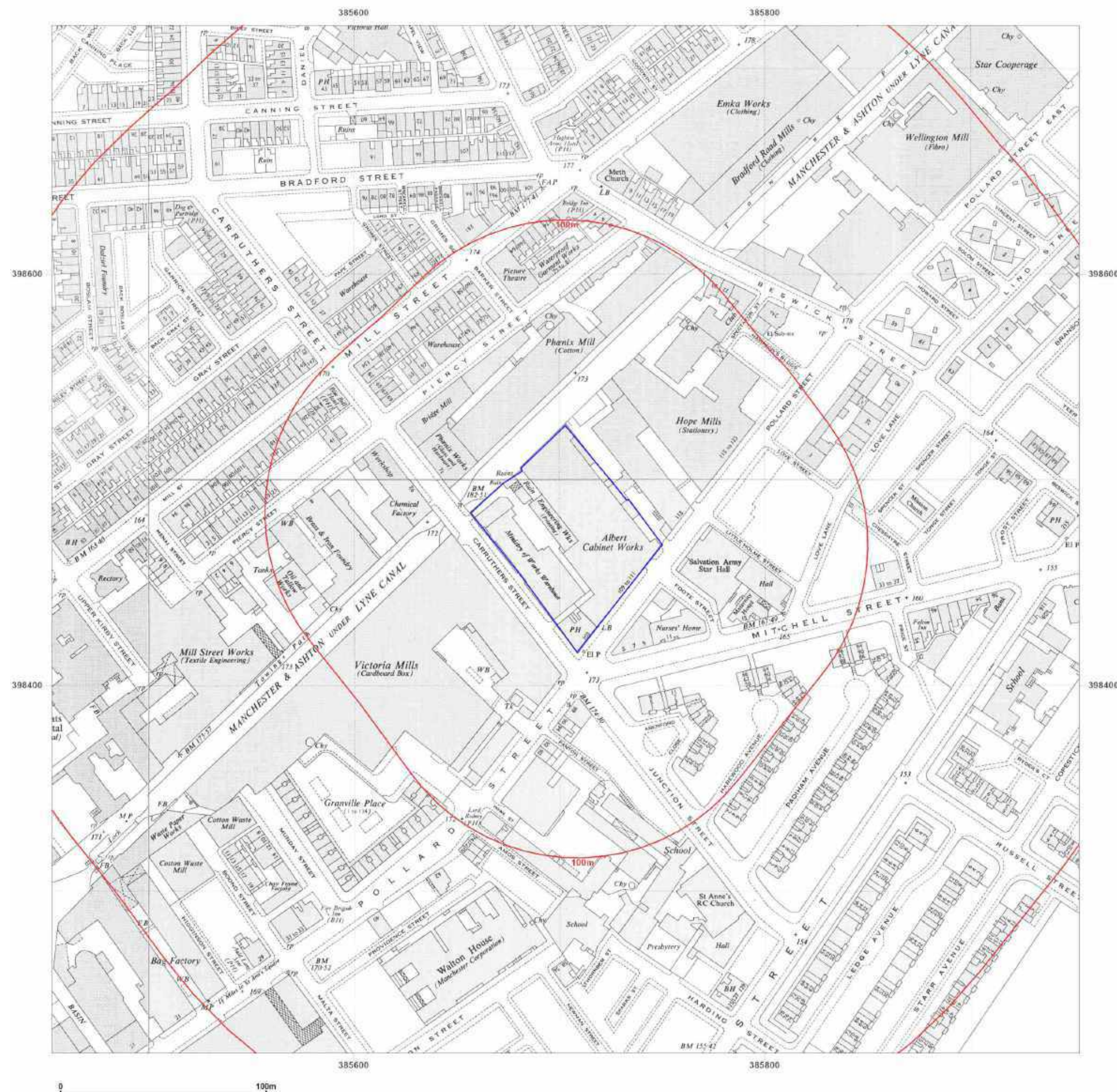
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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1952-1955

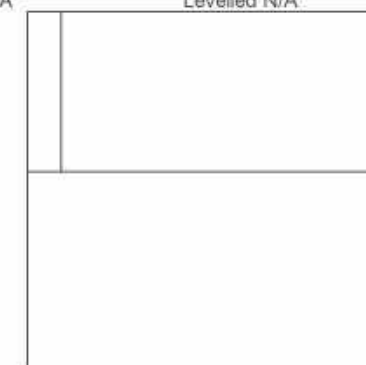
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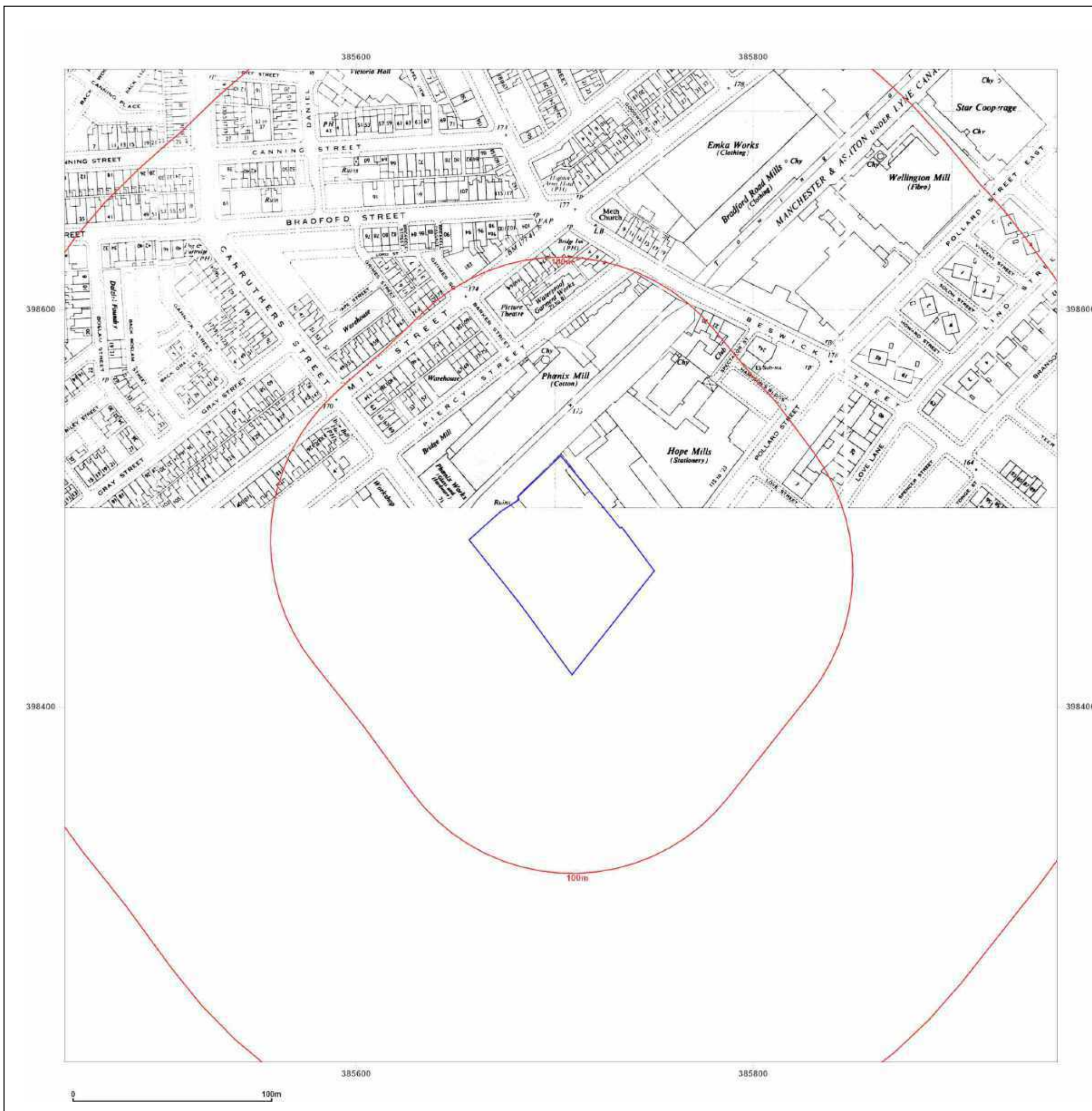


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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1952-1957

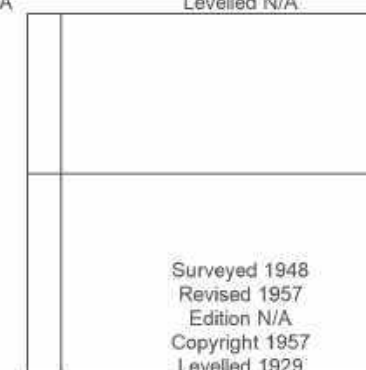
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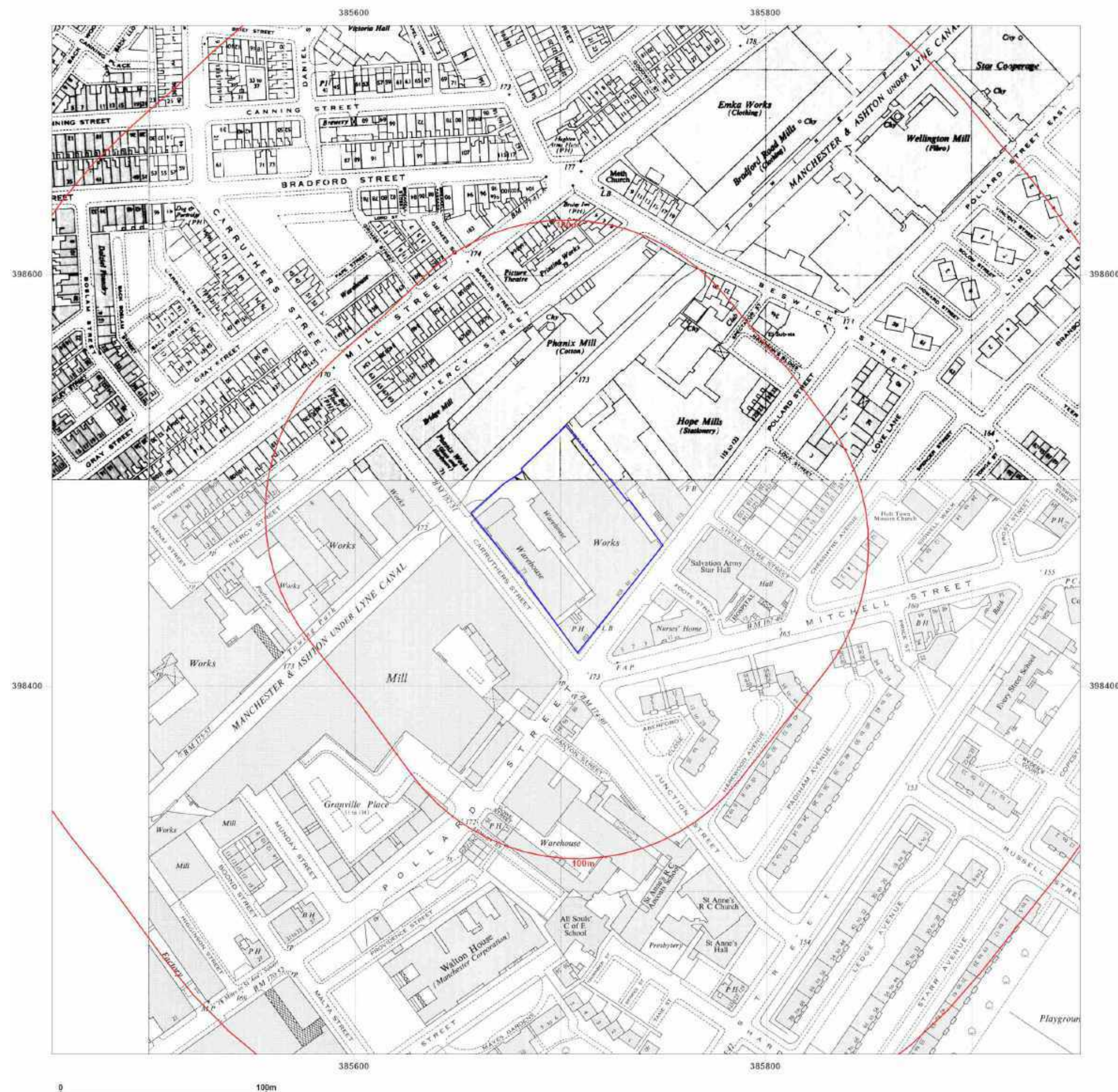


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Map date: 1963

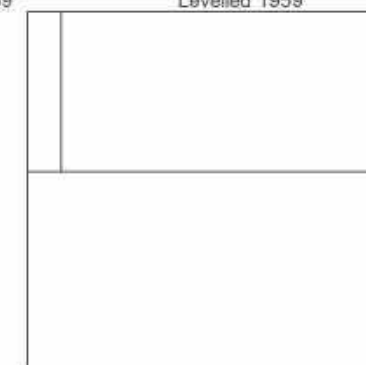
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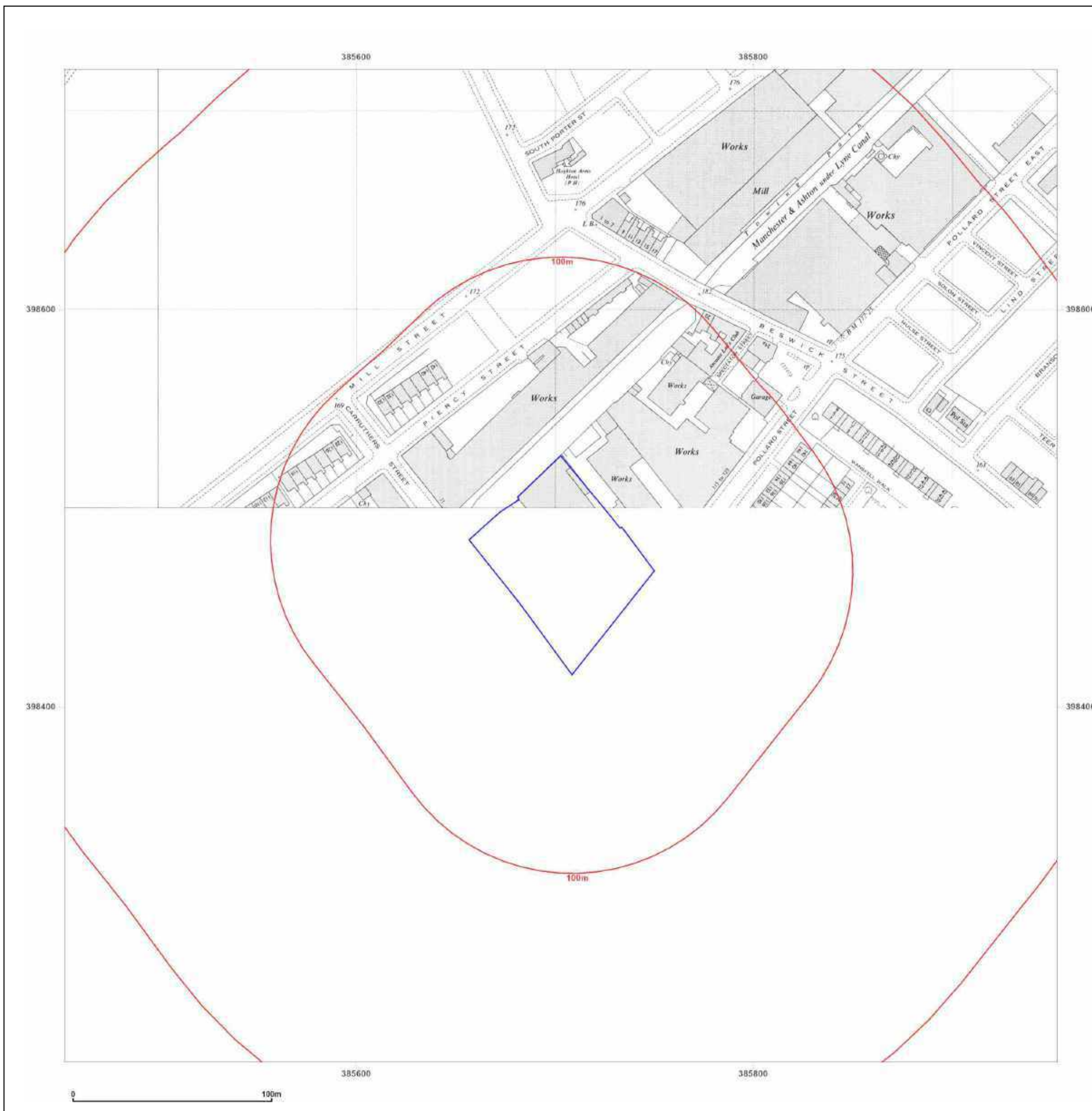


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Map Name: National Grid

Map date: 1965

Scale: 1:2,500

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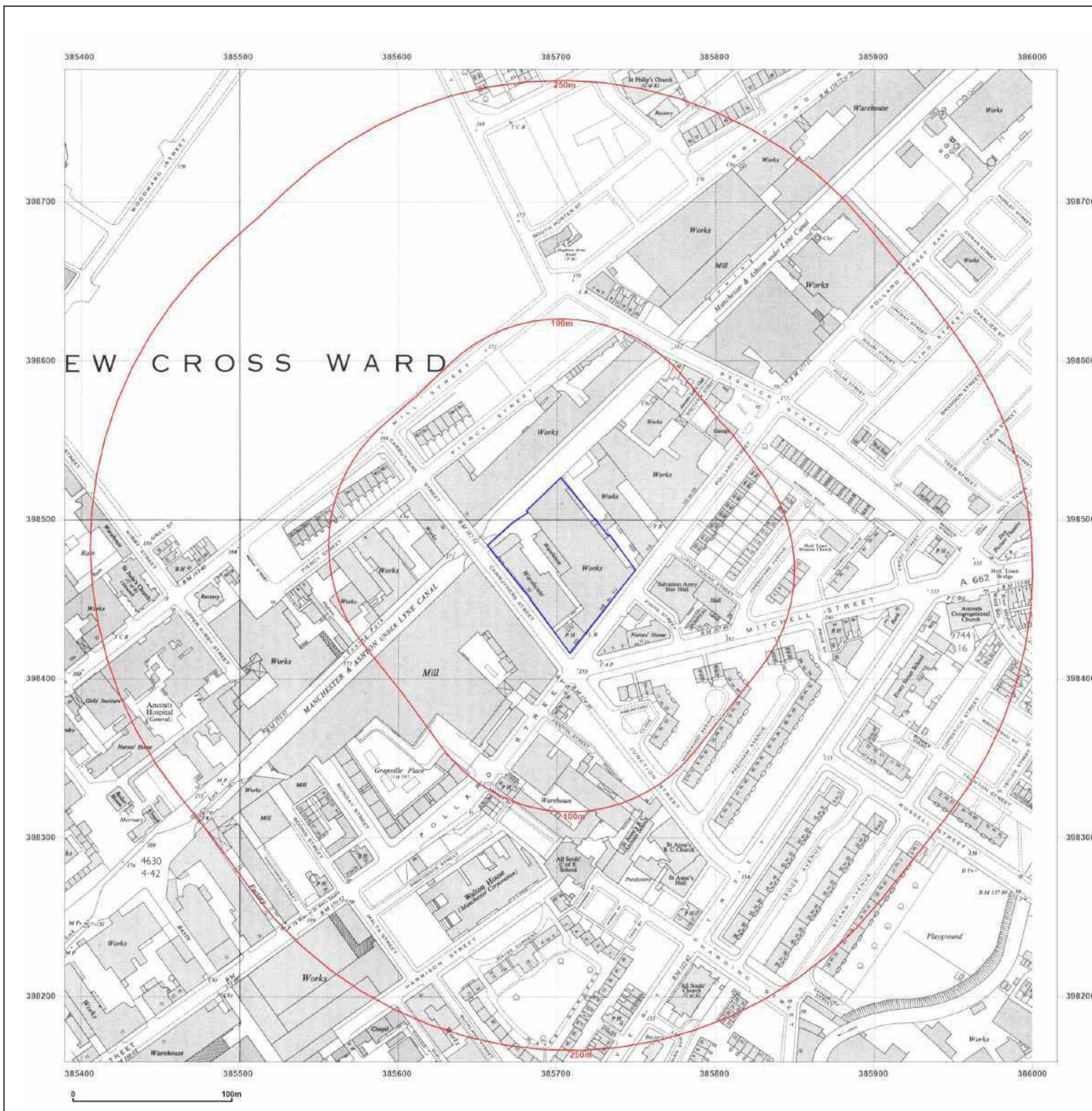


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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1968

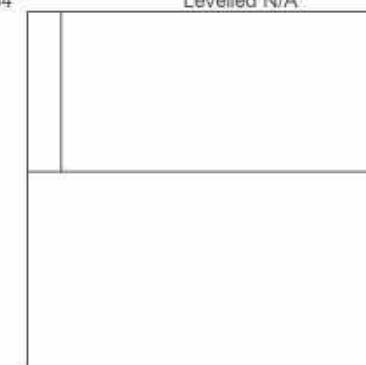
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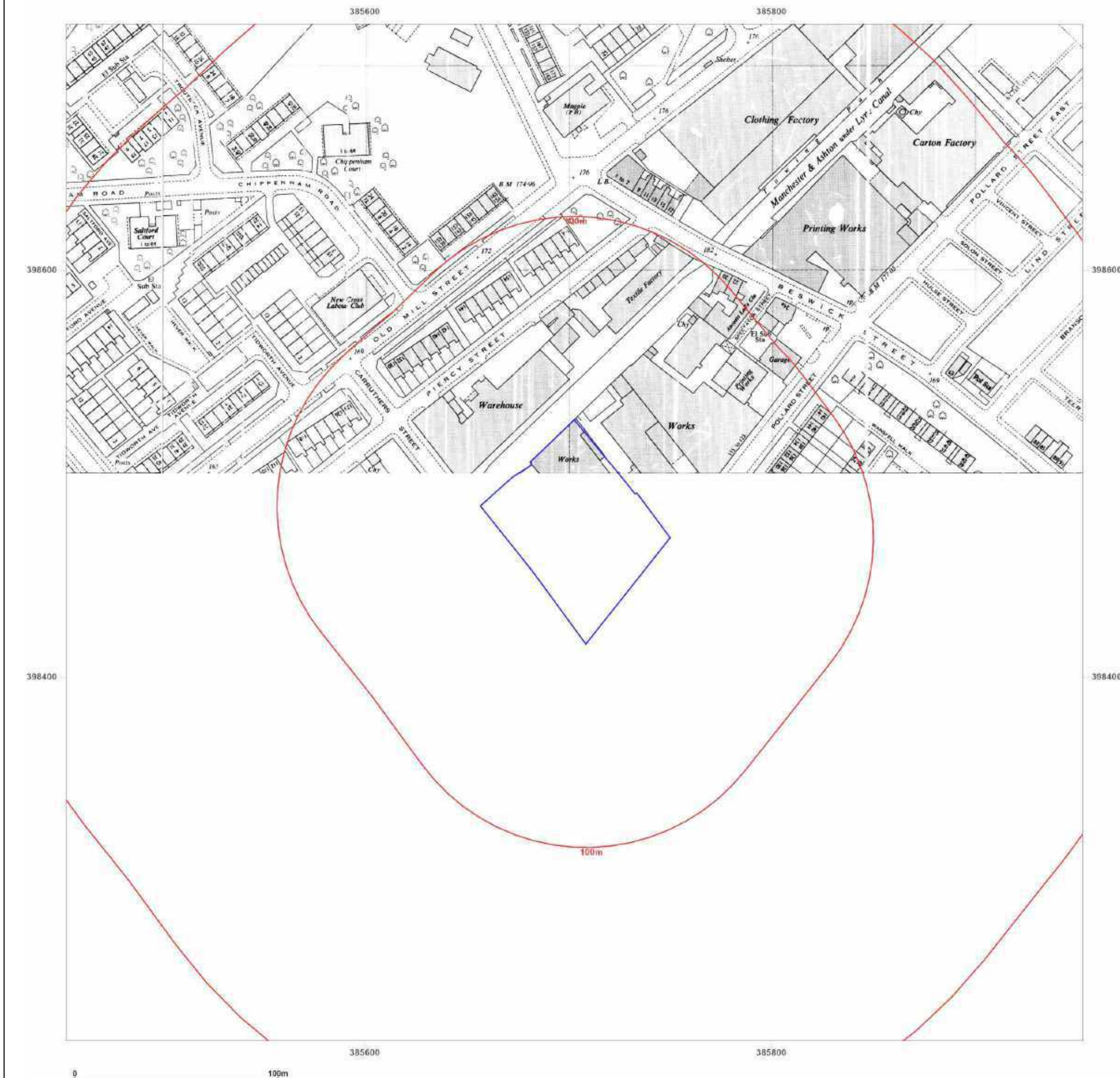


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Map Name: National Grid

Map date: 1974-1979

Scale: 1:1,250

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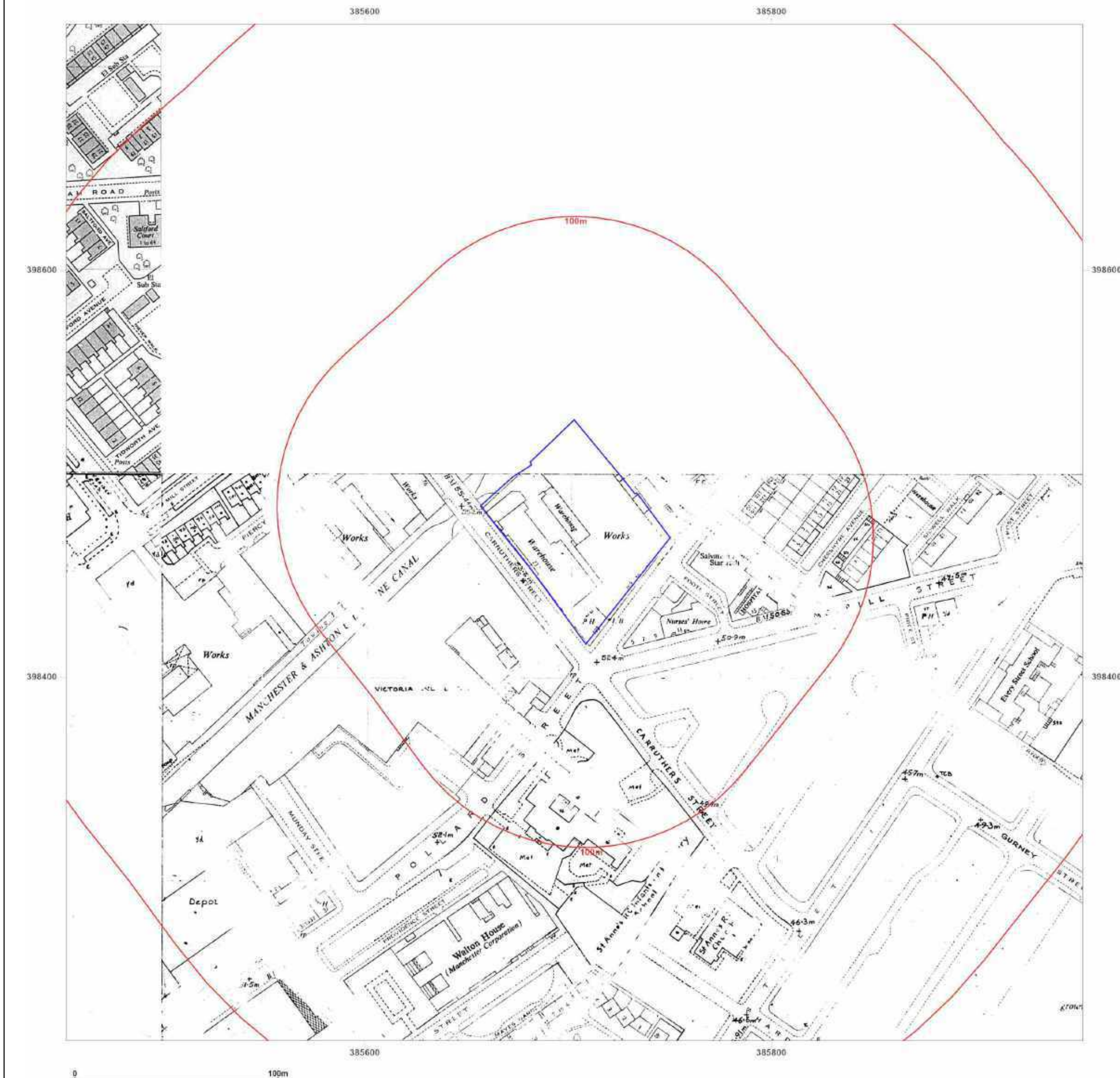


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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1979-1983

Scale: 1:1,250

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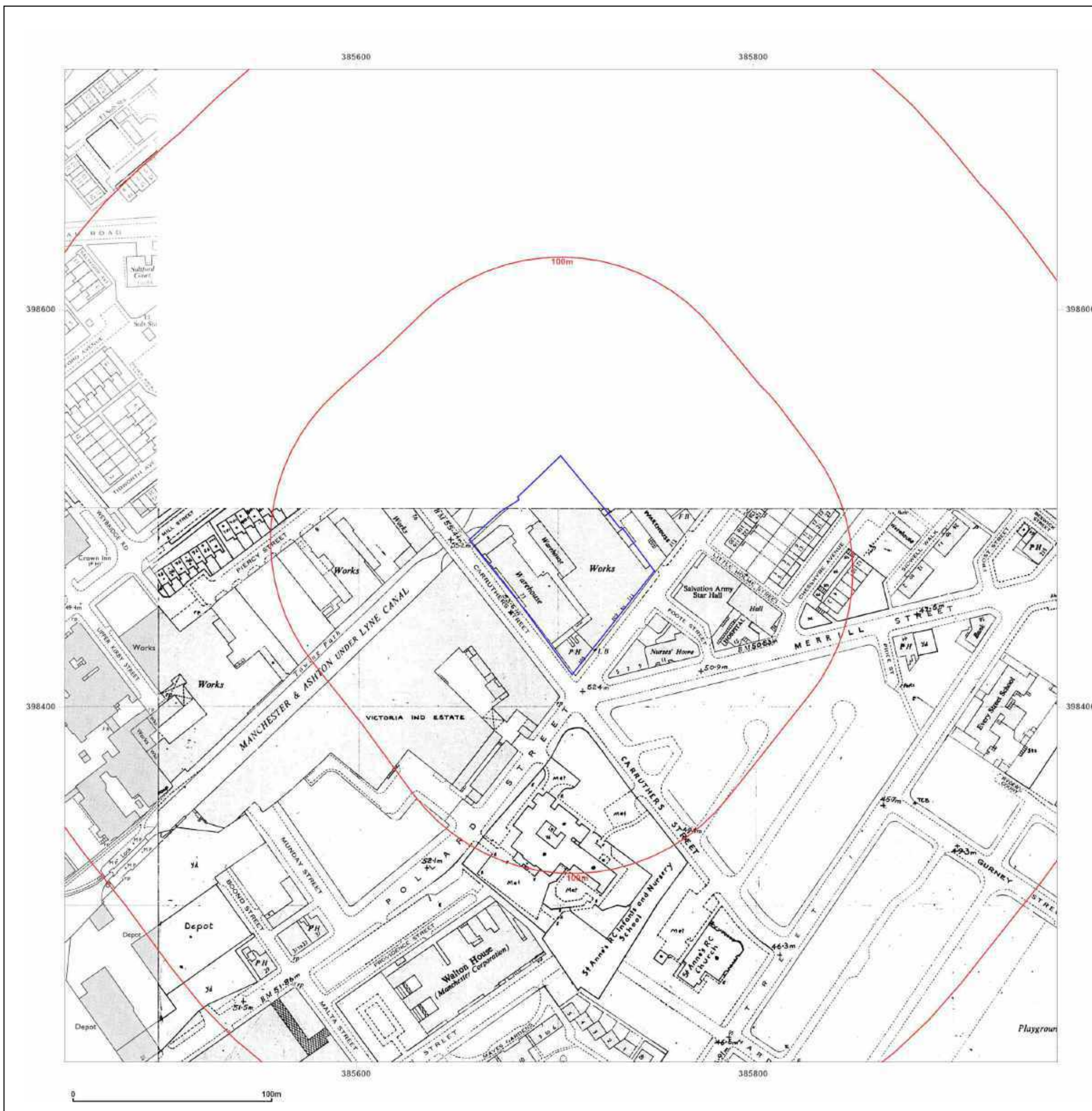


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Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1985-1989

Scale: 1:1,250

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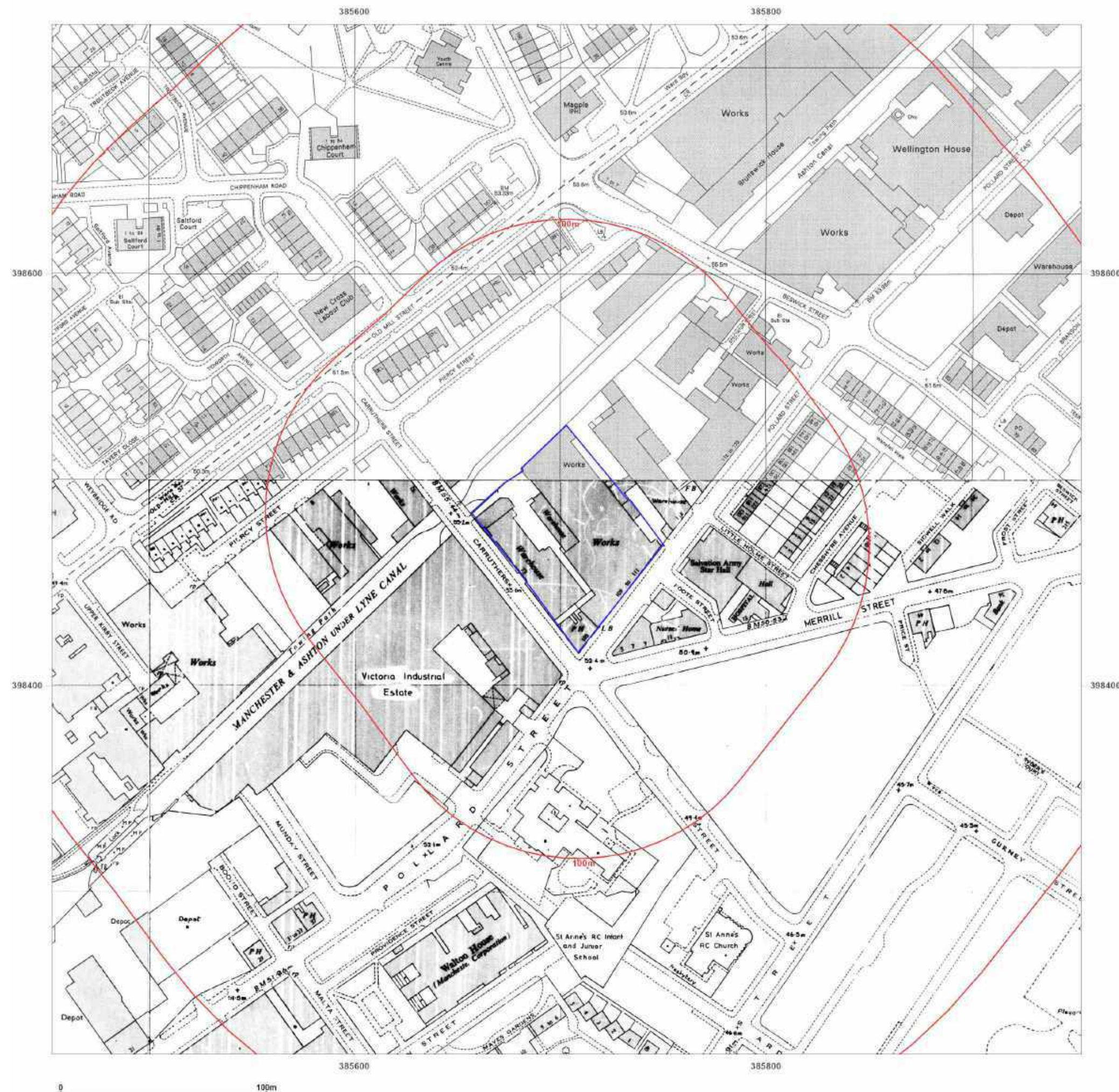


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Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1988-1992

Scale: 1:1,250

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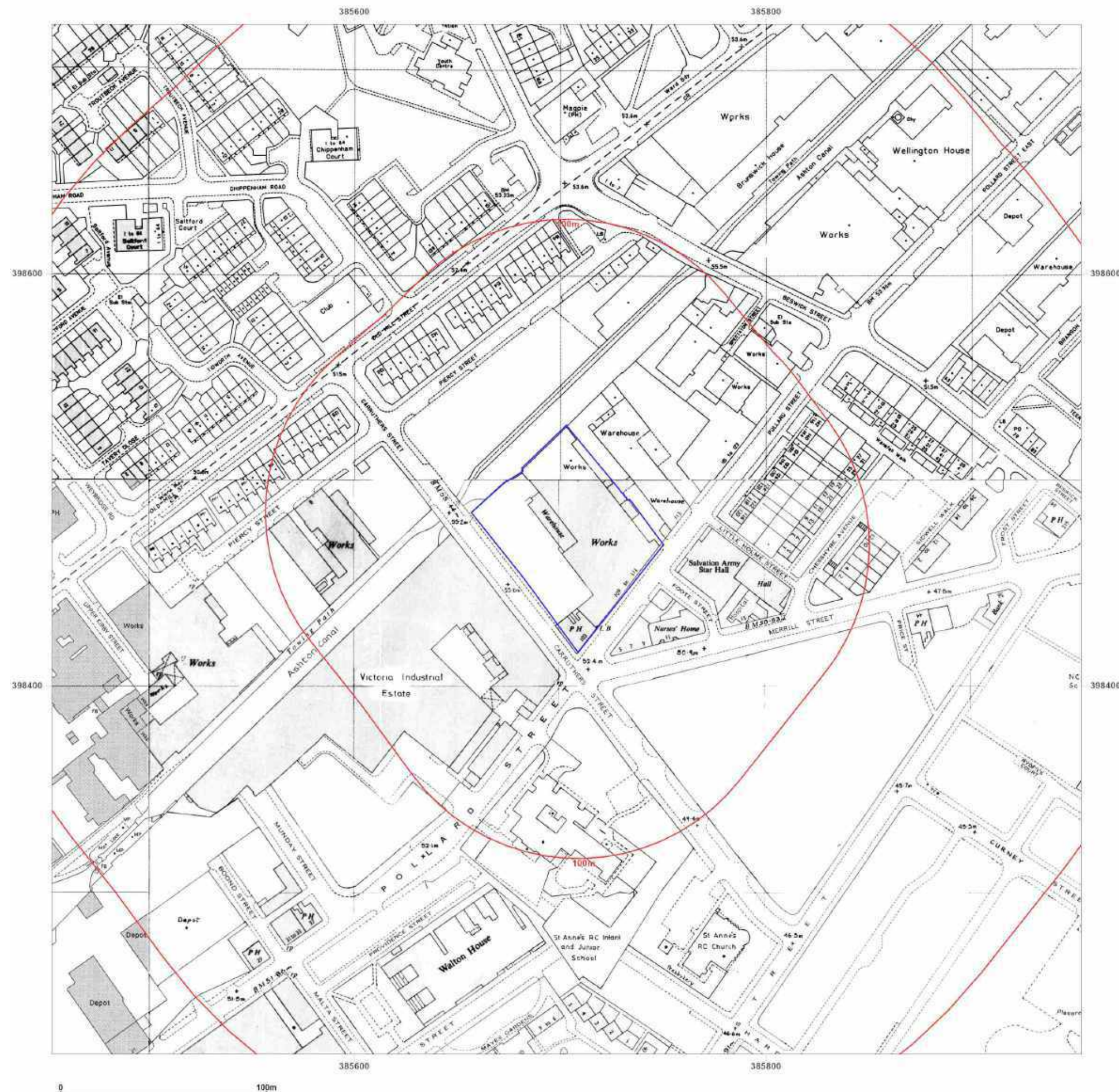


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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1990-1994

Scale: 1:1,250

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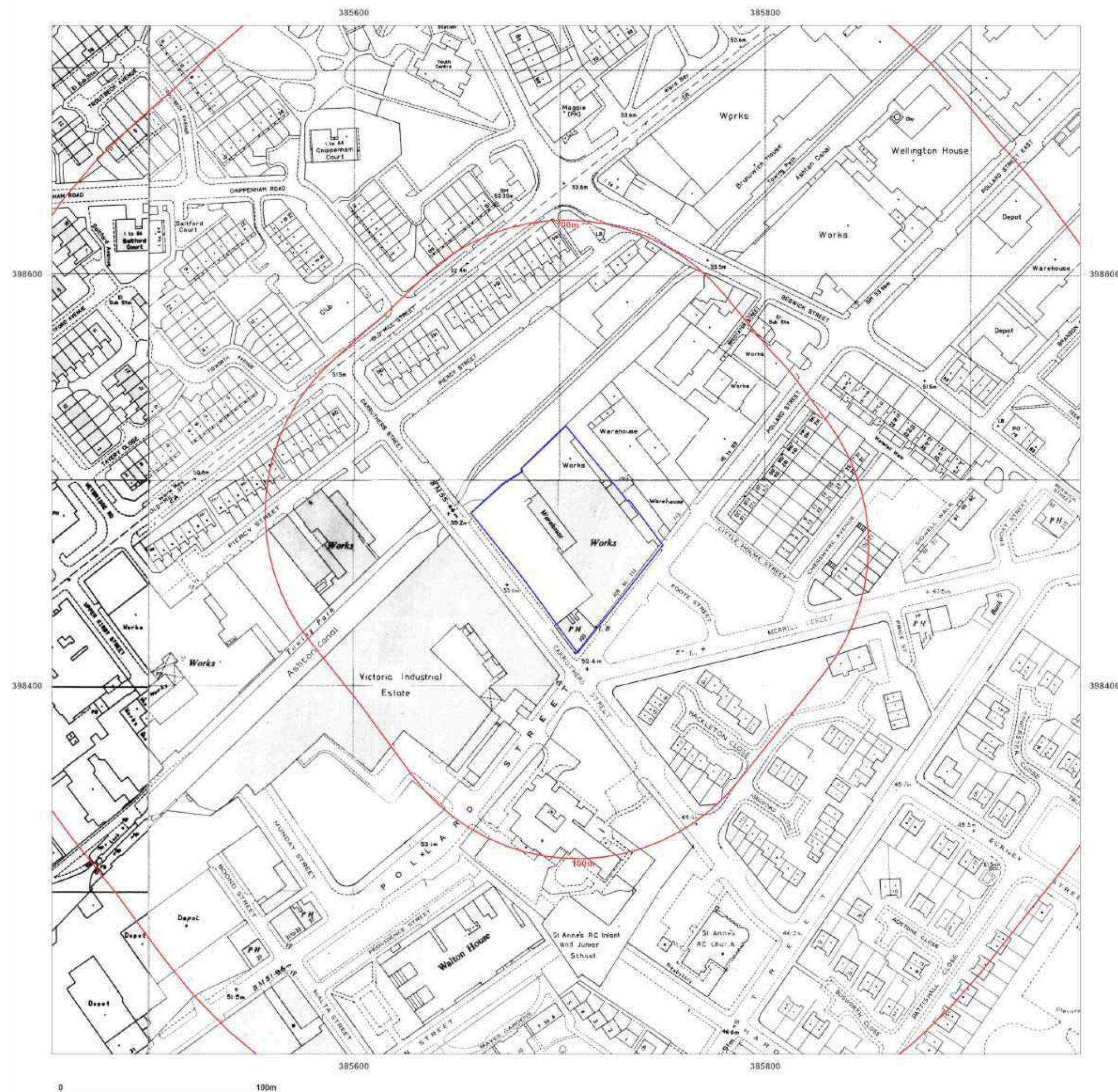


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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1990-1994

Scale: 1:1,250

Printed at: 1:2,000



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

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

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

Surveyed 1948
Revised 1957
Edition N/A
Copyright 1990
Levelled N/A

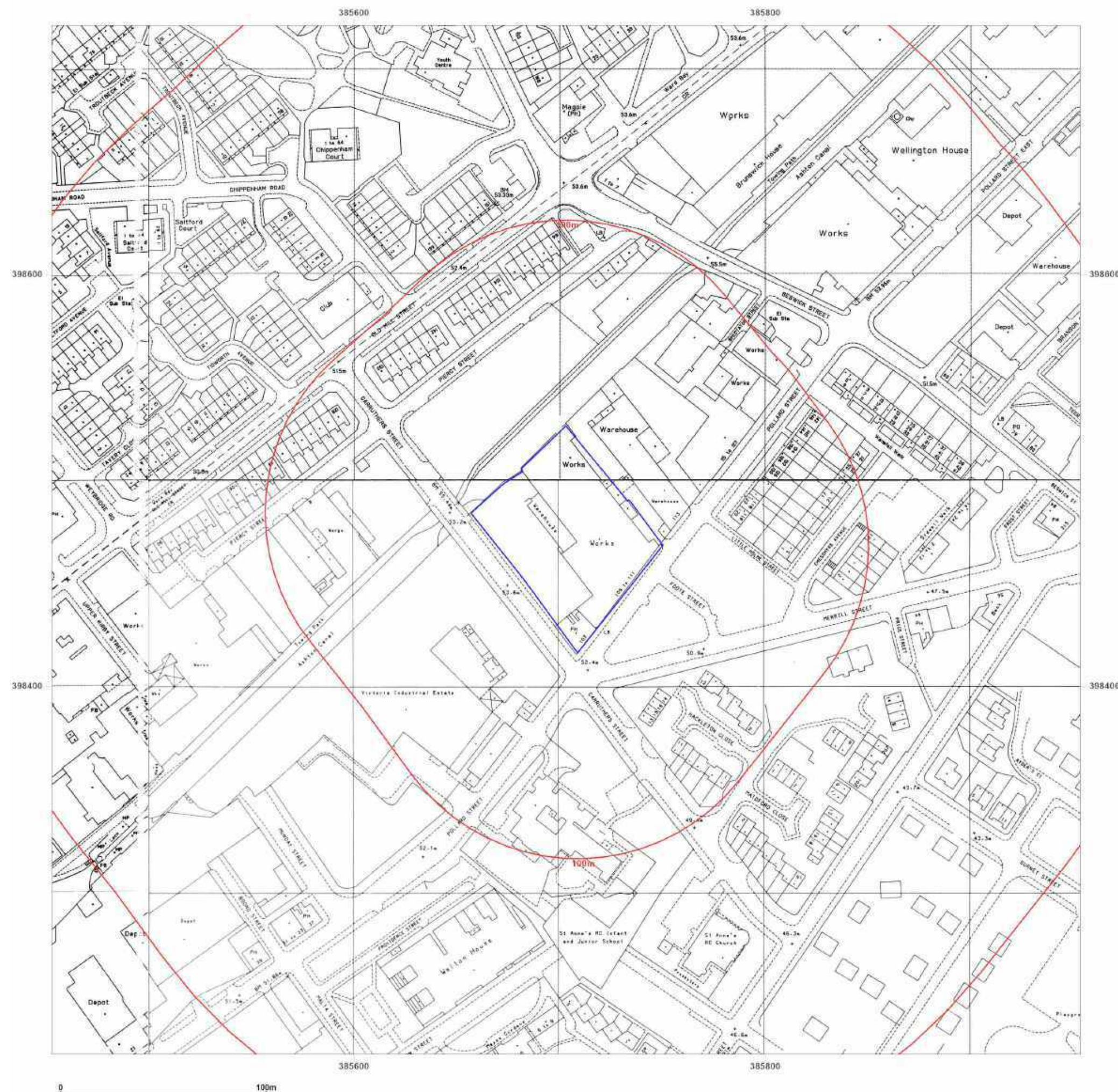


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Production date: 14 October 2021

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Site Details:

POLLARD STREET,
MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1991-1994

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed 1948
Revised 1980
Edition N/A
Copyright 1992
Levelled N/A

Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

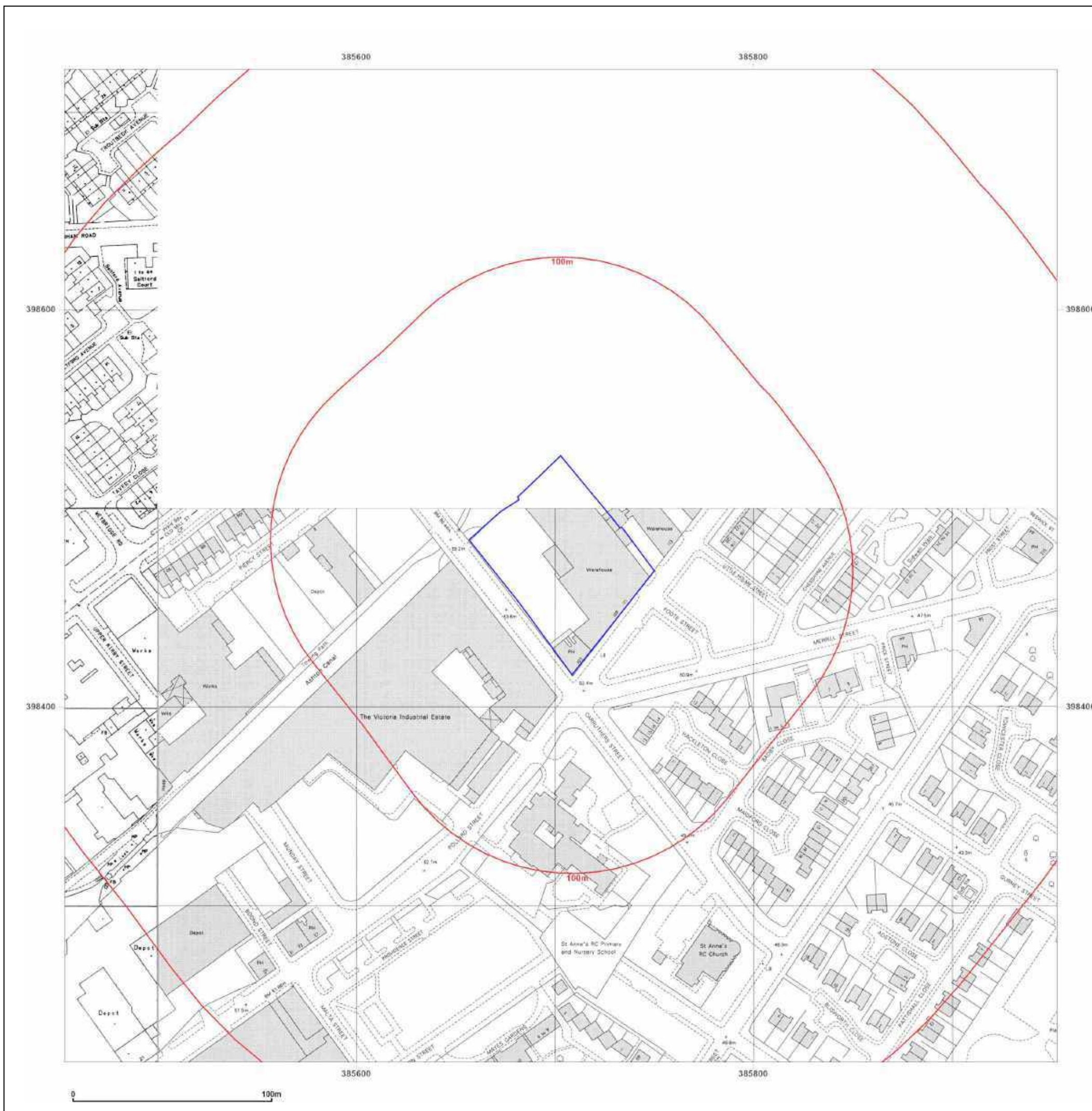


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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

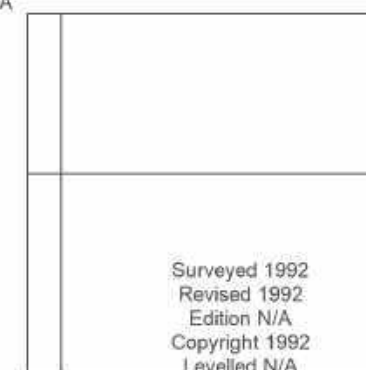
Map date: 1992-1994

Scale: 1:1,250

Printed at: 1:2,000



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

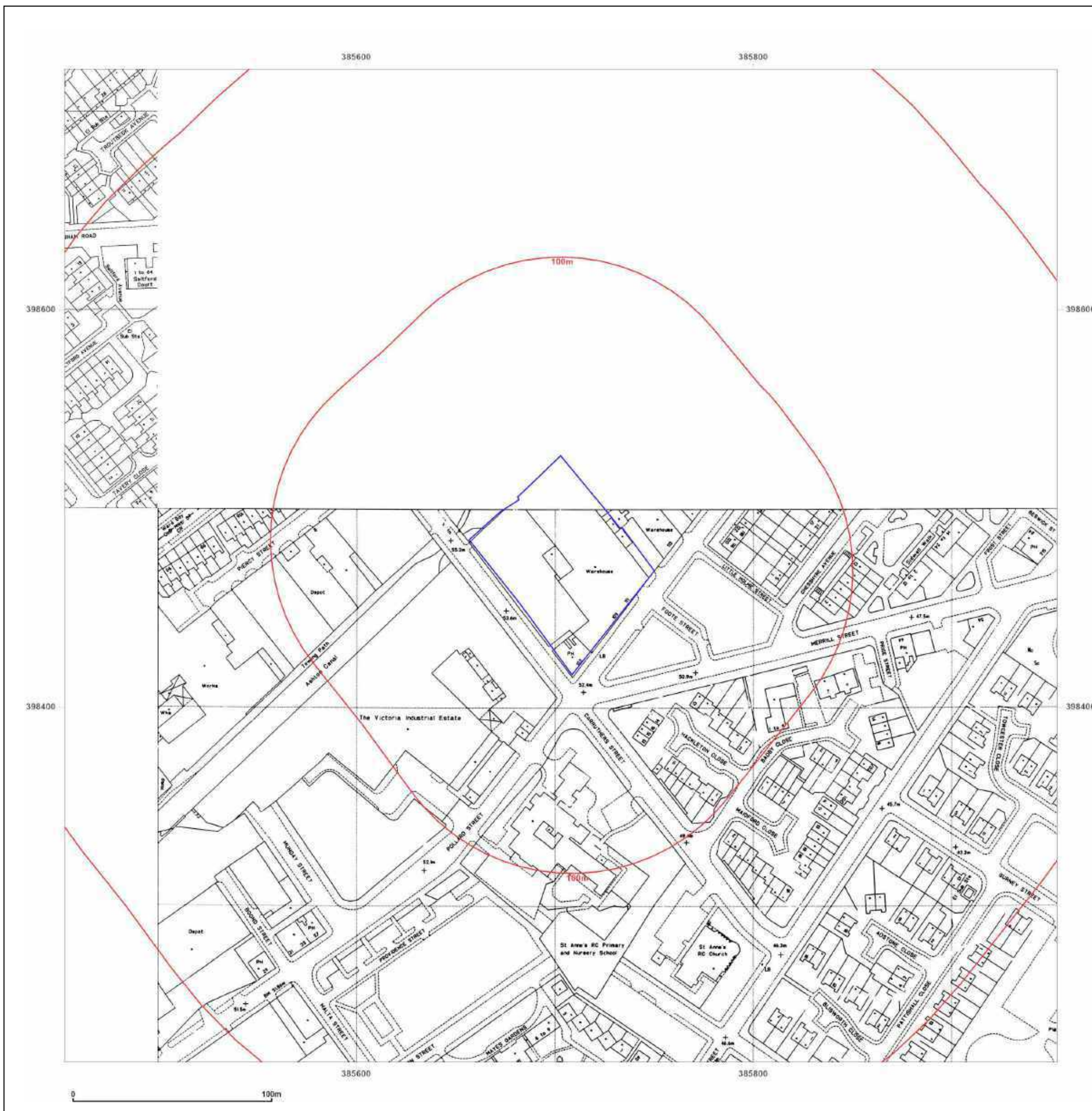


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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



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

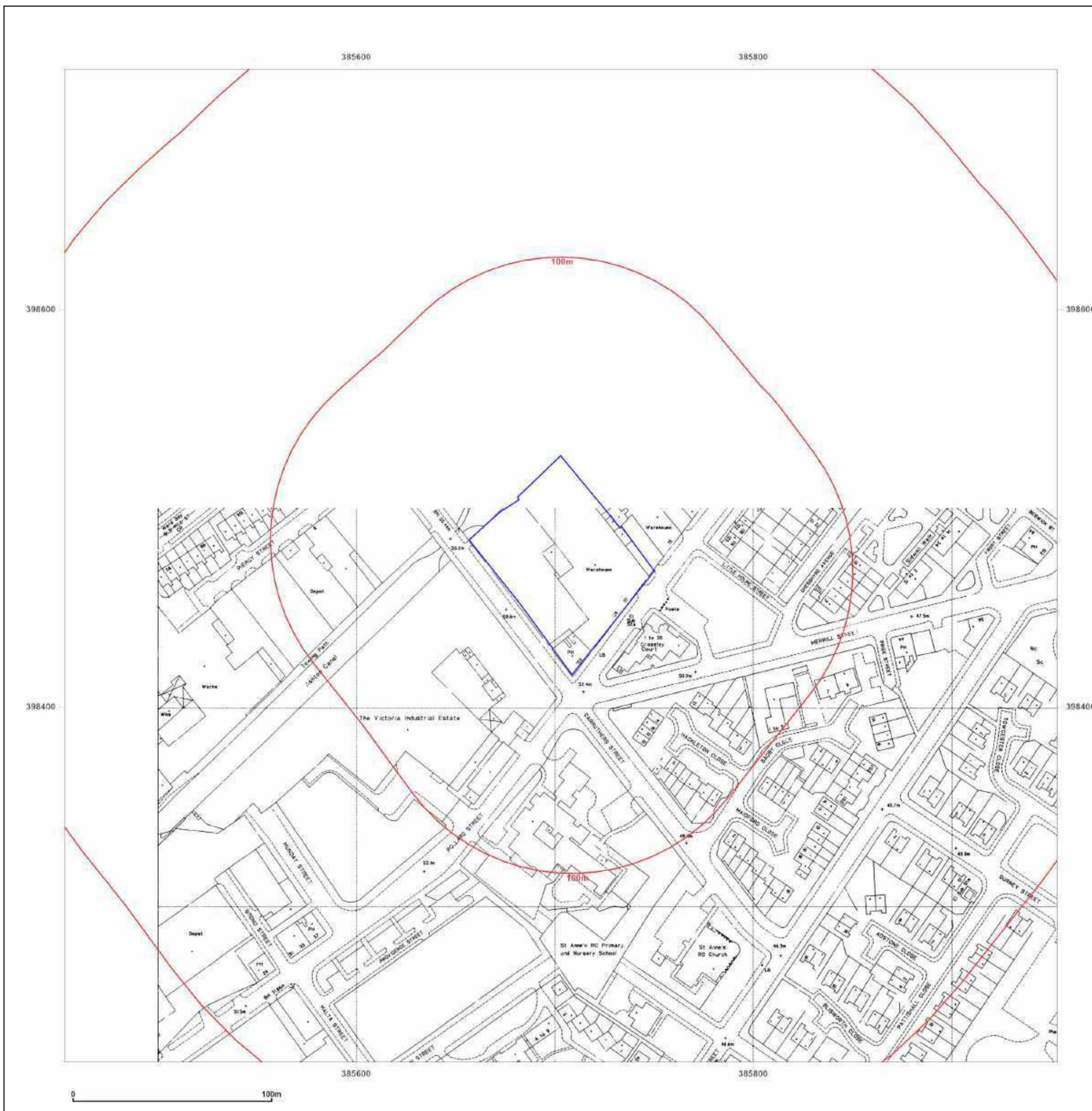


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Site Details:

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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



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

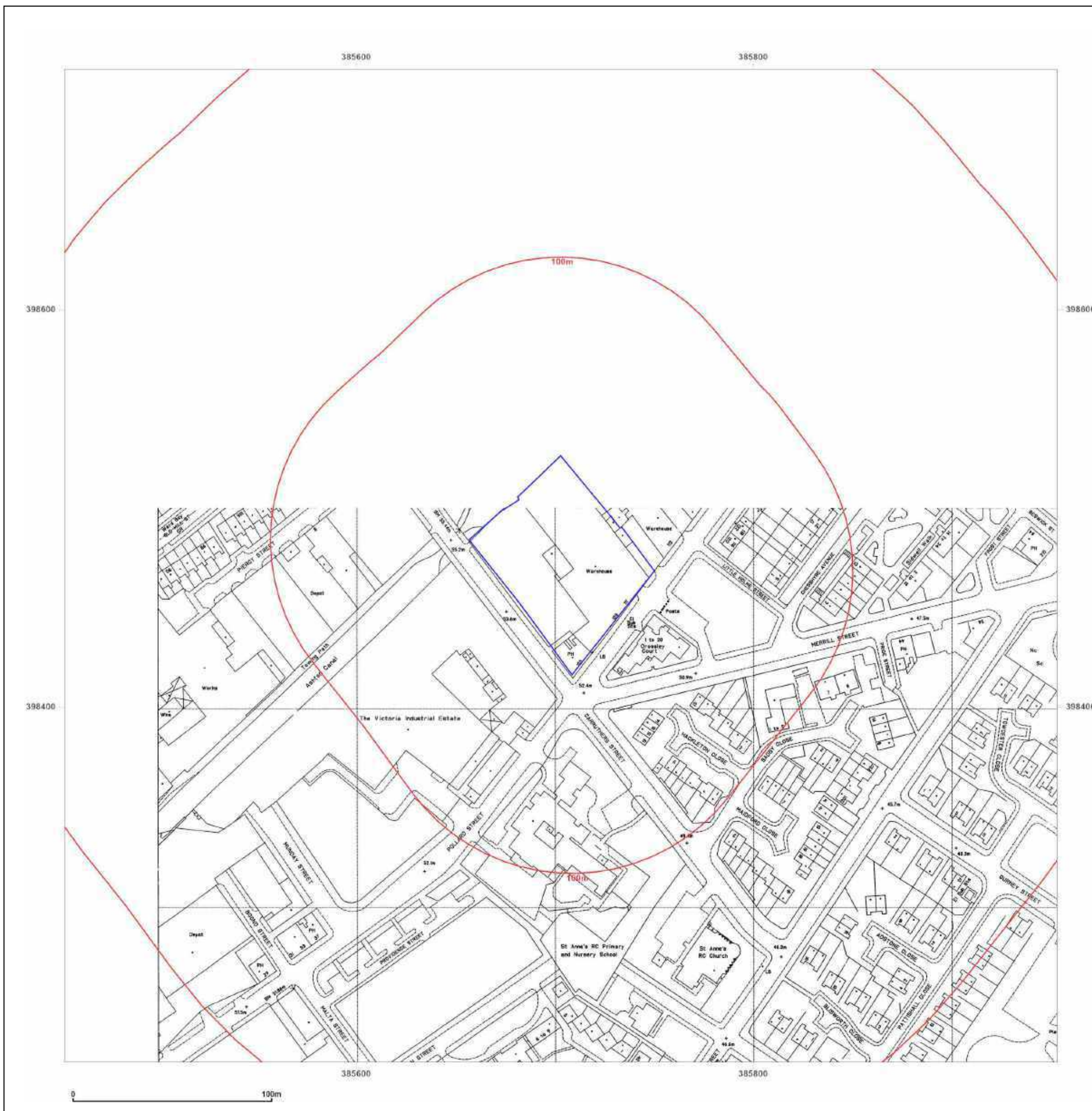


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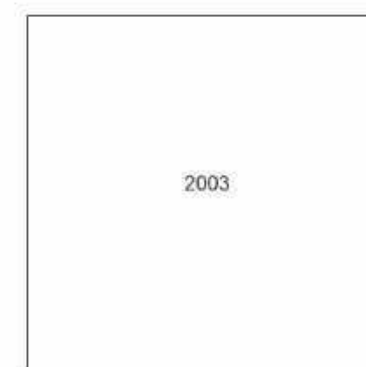
Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

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

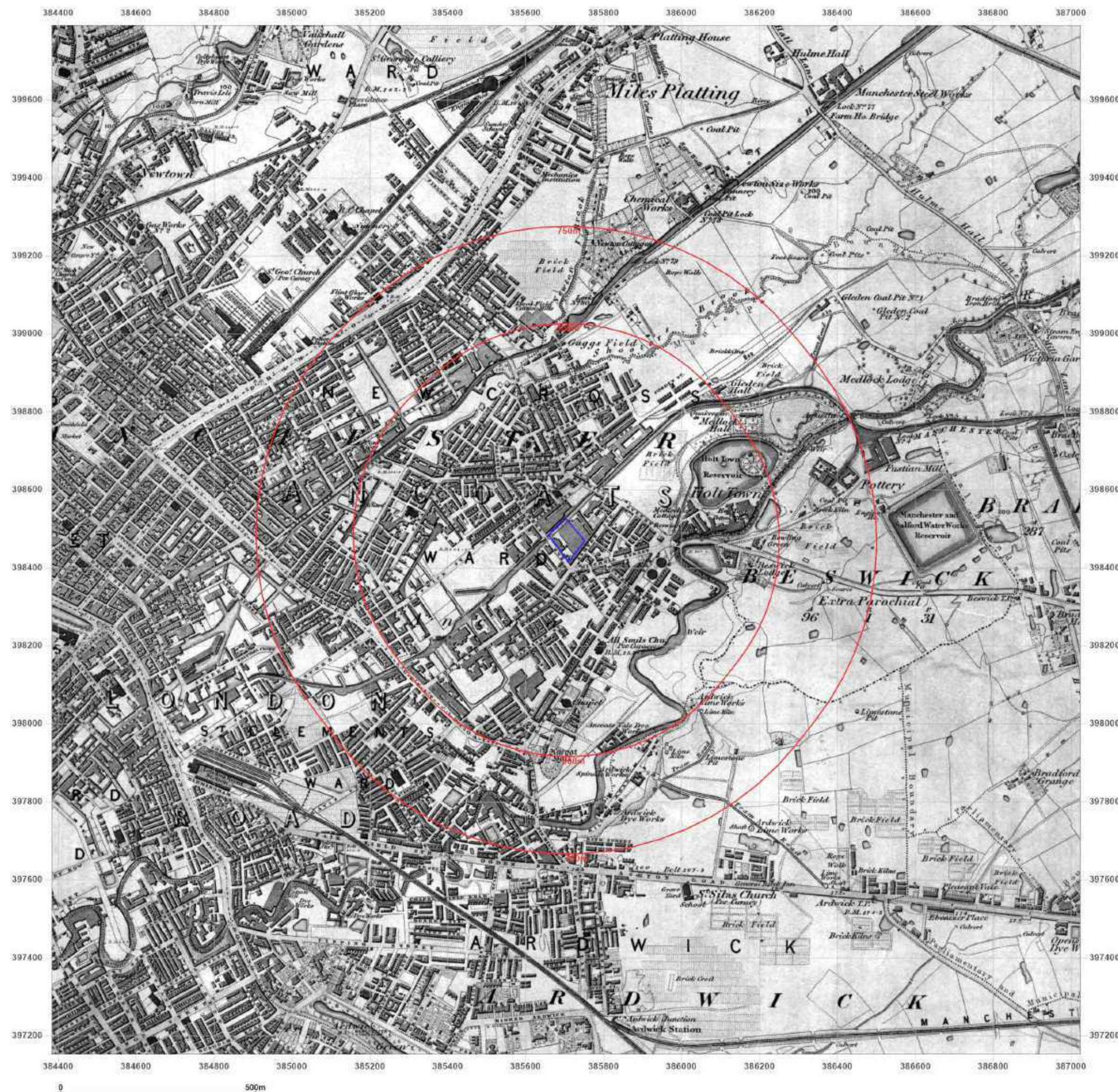


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Production date: 14 October 2021

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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: County Series

Map date: 1890-1894

Scale: 1:10,560

Printed at: 1:10,560



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

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

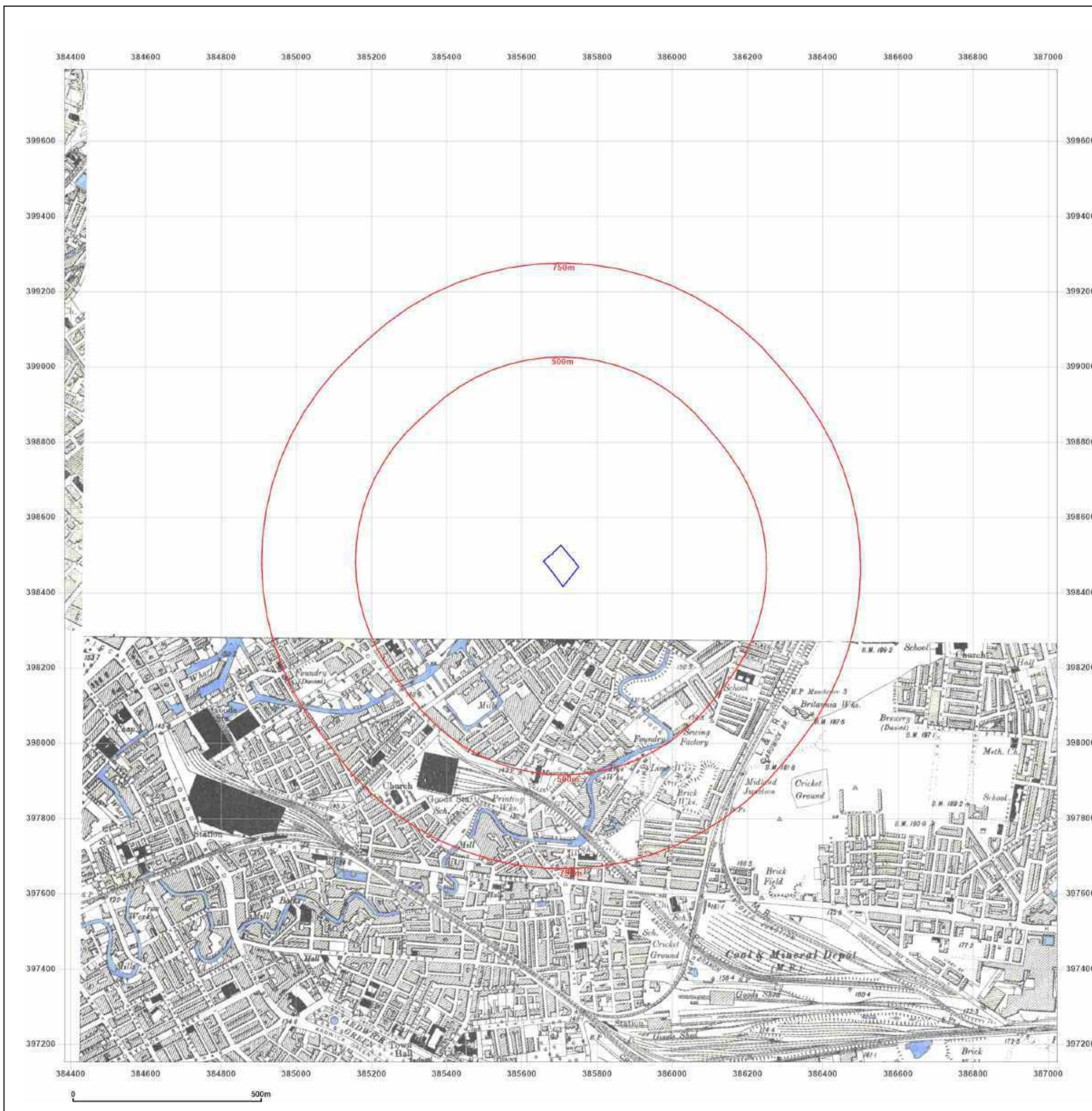


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Site Details:

POLLARD STREET,
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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: County Series

Map date: 1891-1896

Scale: 1:10,560

Printed at: 1:10,560



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

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

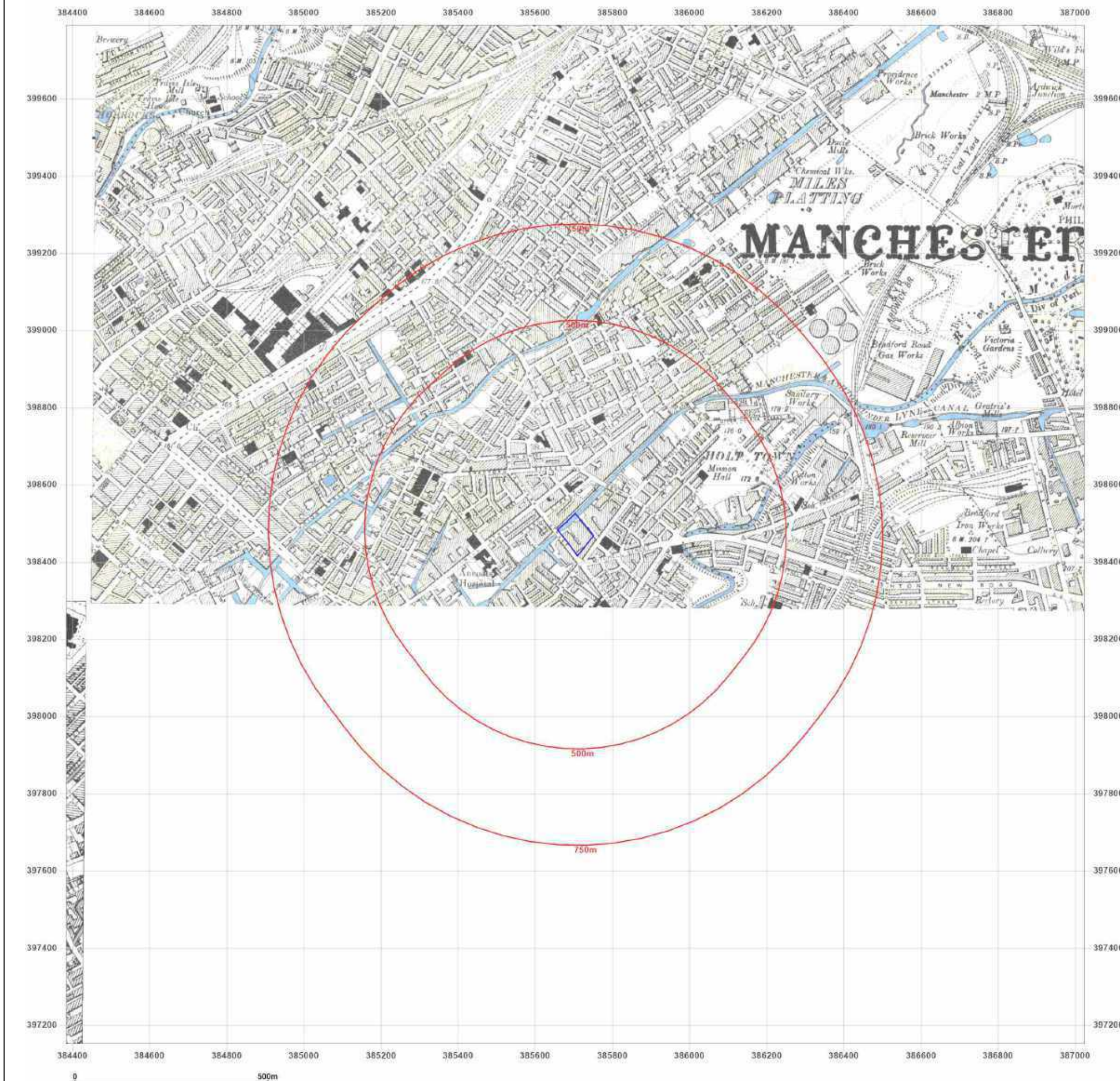


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Site Details:

POLLARD STREET,
MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: County Series

Map date: 1905-1906

Scale: 1:10,560

Printed at: 1:10,560



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

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

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

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Revised 1905
Edition 1905
Copyright N/A
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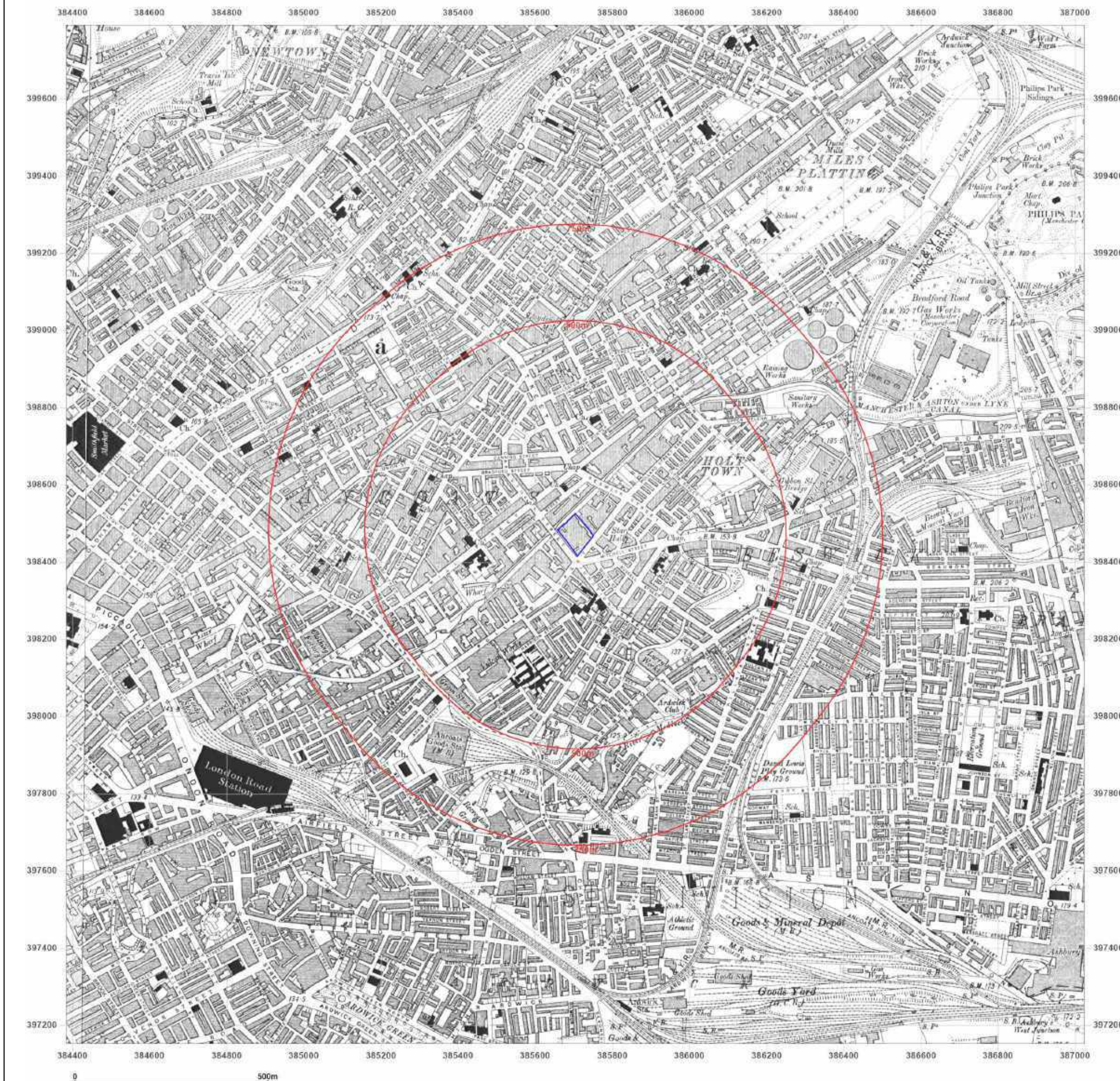


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Site Details:

POLLARD STREET,
MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

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

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

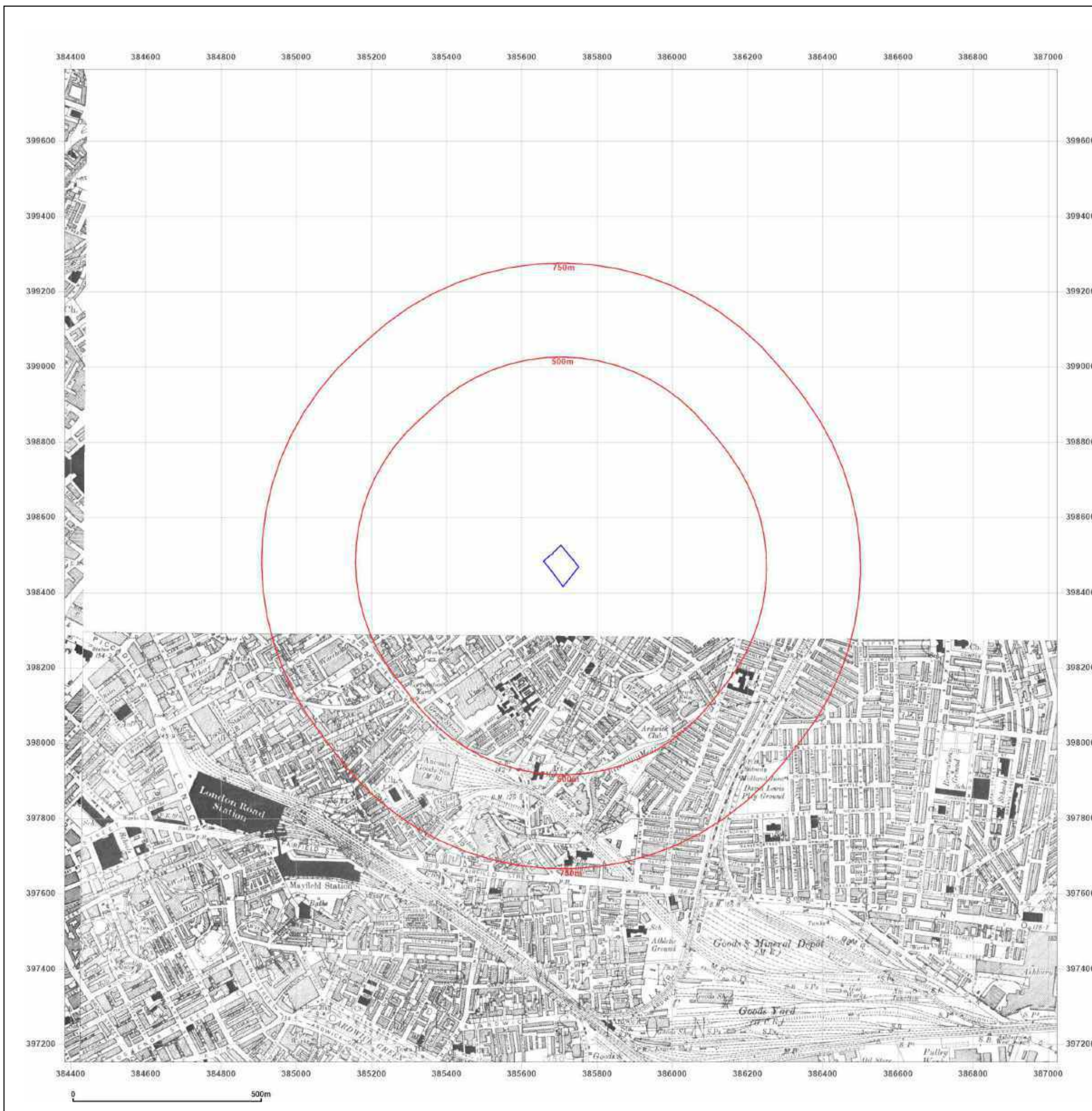


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Production date: 14 October 2021

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Site Details:

POLLARD STREET,
MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: County Series

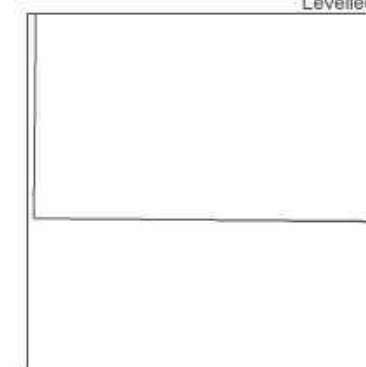
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Scale: 1:10,560

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Surveyed 1844
Revised 1921
Edition 1923
Copyright N/A
Levelled 1906

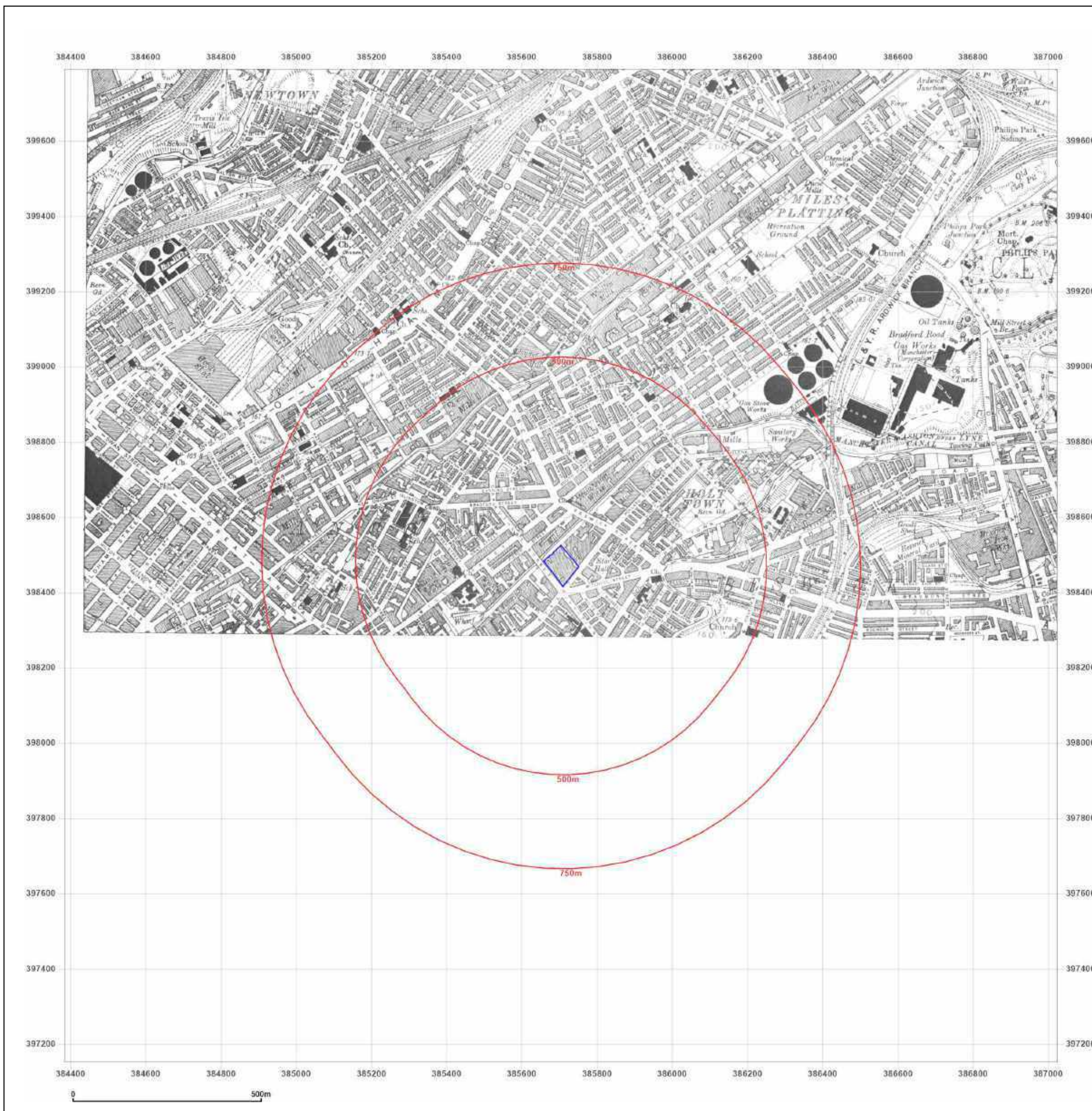


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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

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

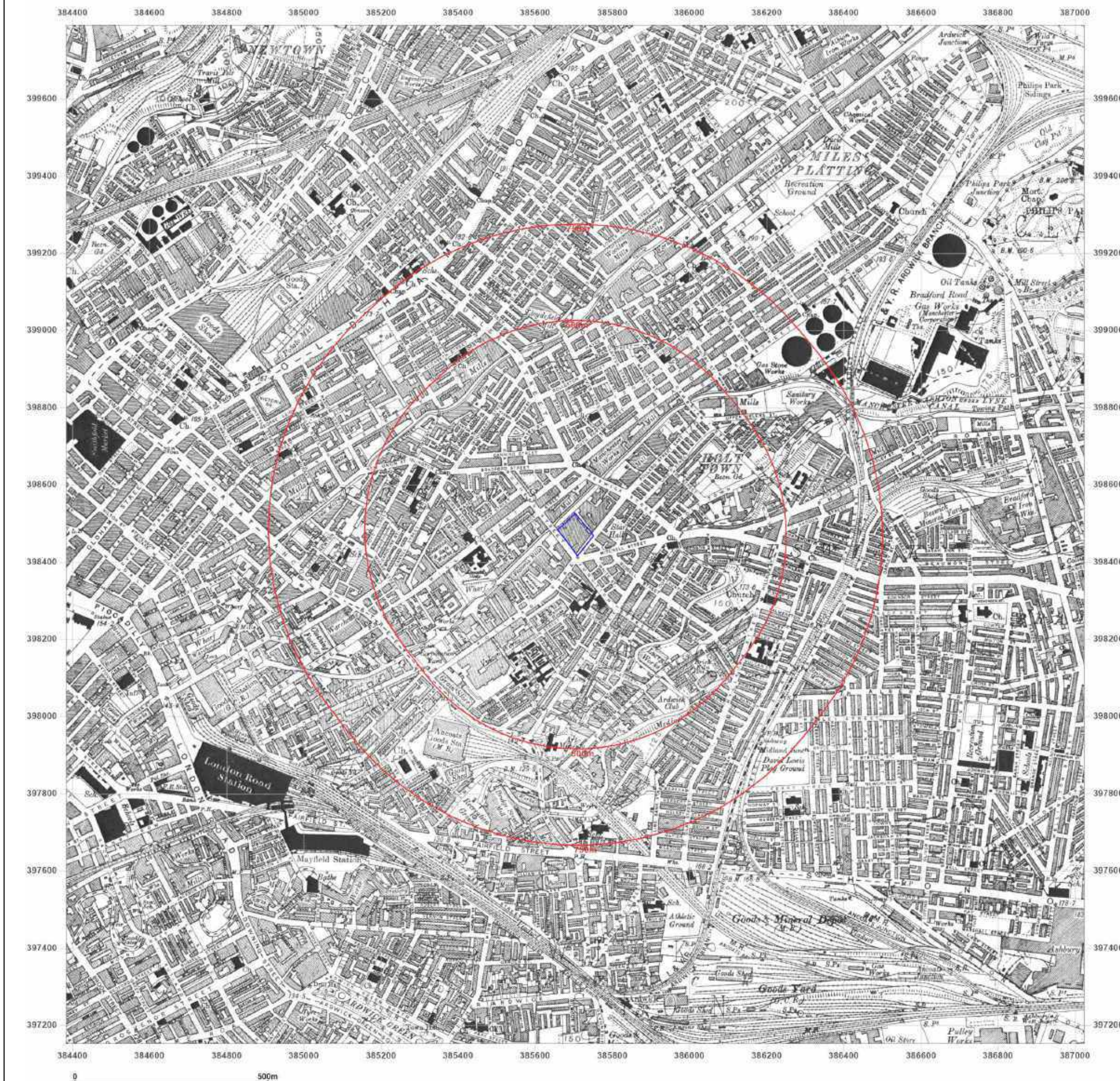


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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: County Series

Map date: 1931-1934

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed 1844
Revised 1933
Edition 1933
Copyright N/A
Levelled 1927

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

Surveyed 1844
Revised 1934
Edition 1934
Copyright N/A
Levelled 1927

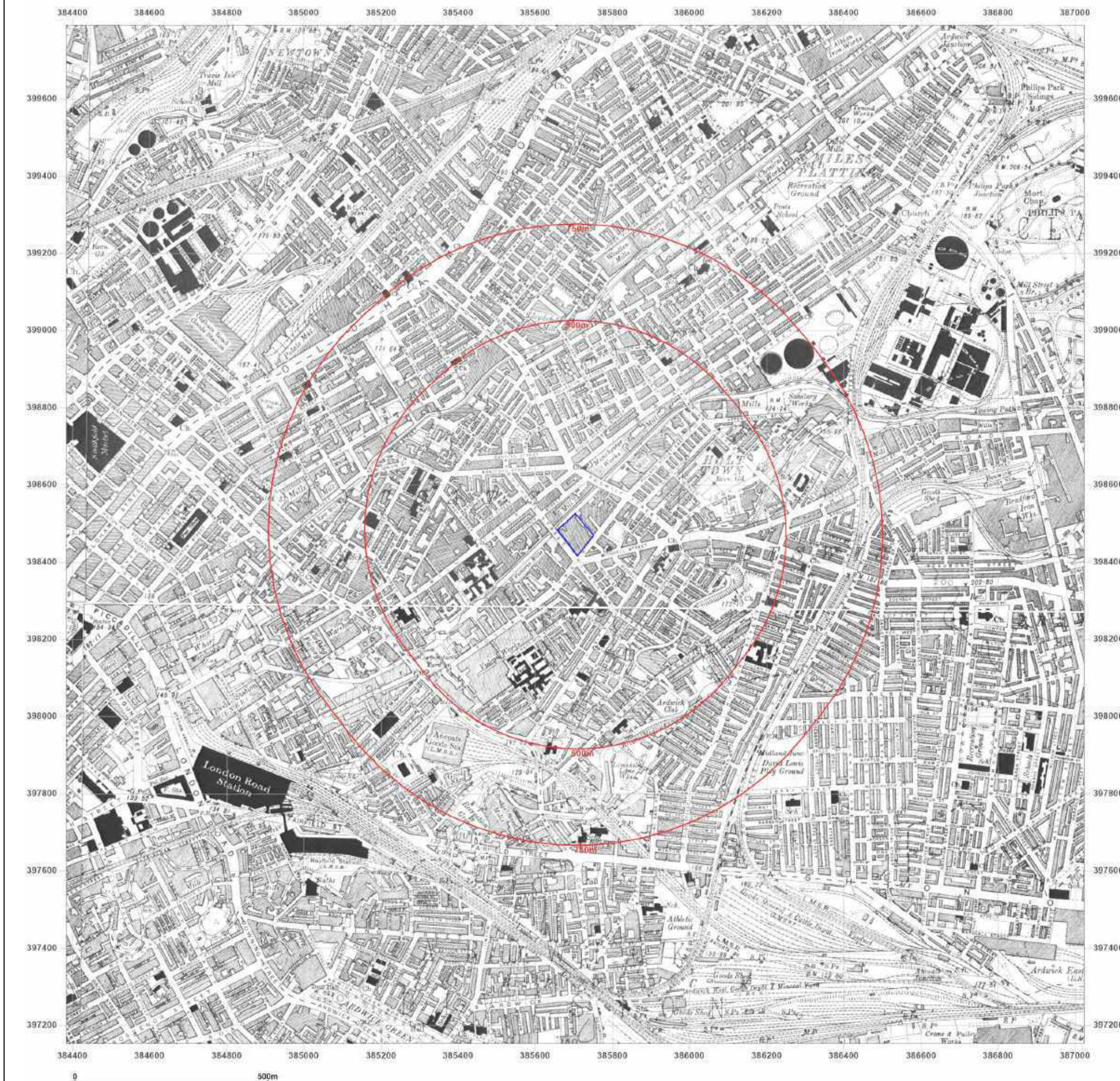


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Production date: 14 October 2021

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Site Details:

POLLARD STREET,
MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

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

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

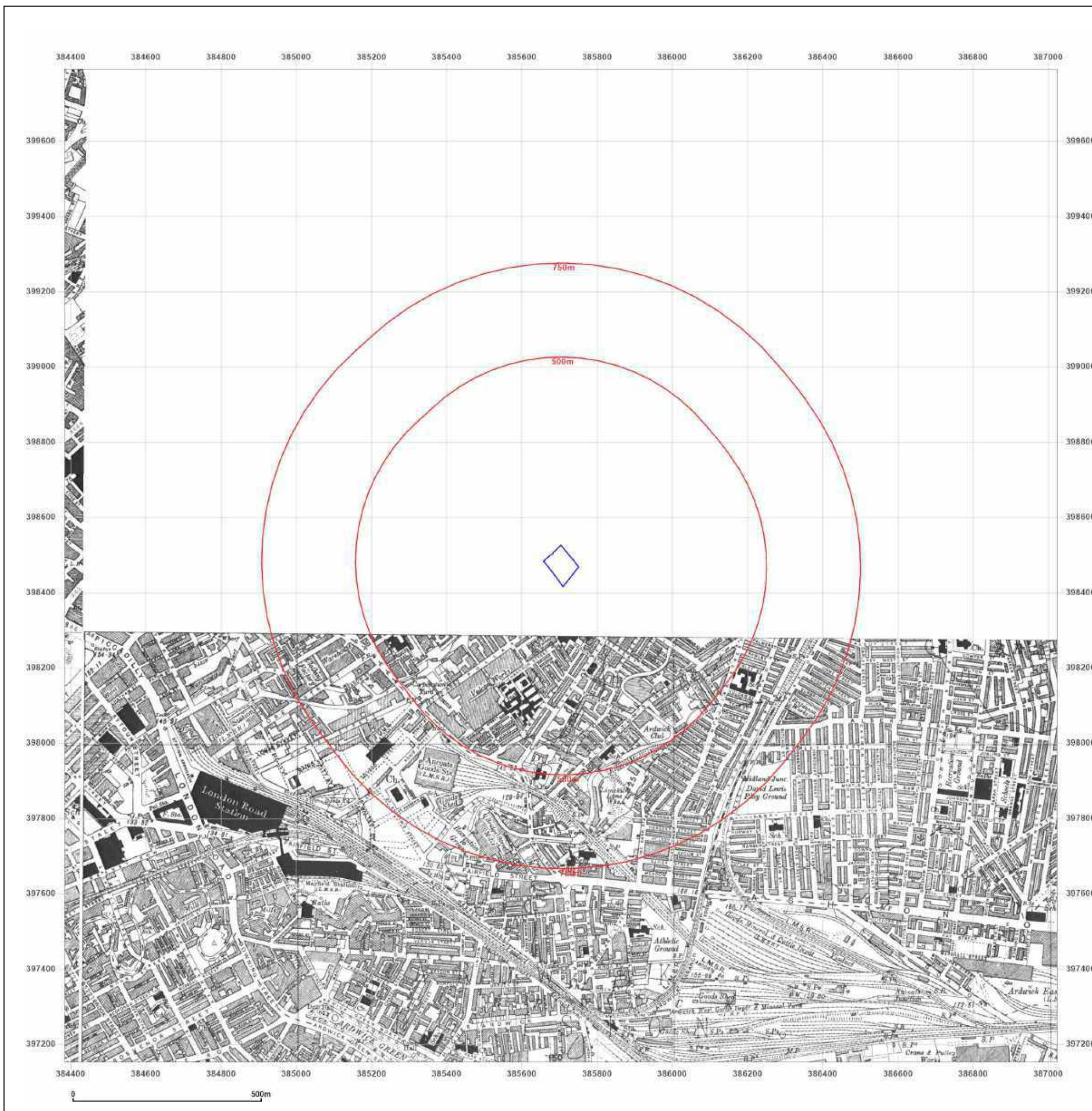


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Production date: 14 October 2021

Map legend available at:
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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: County Series

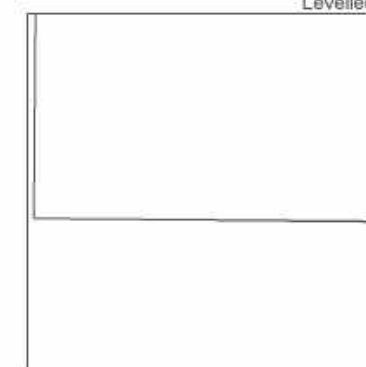
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Scale: 1:10,560

Printed at: 1:10,560



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

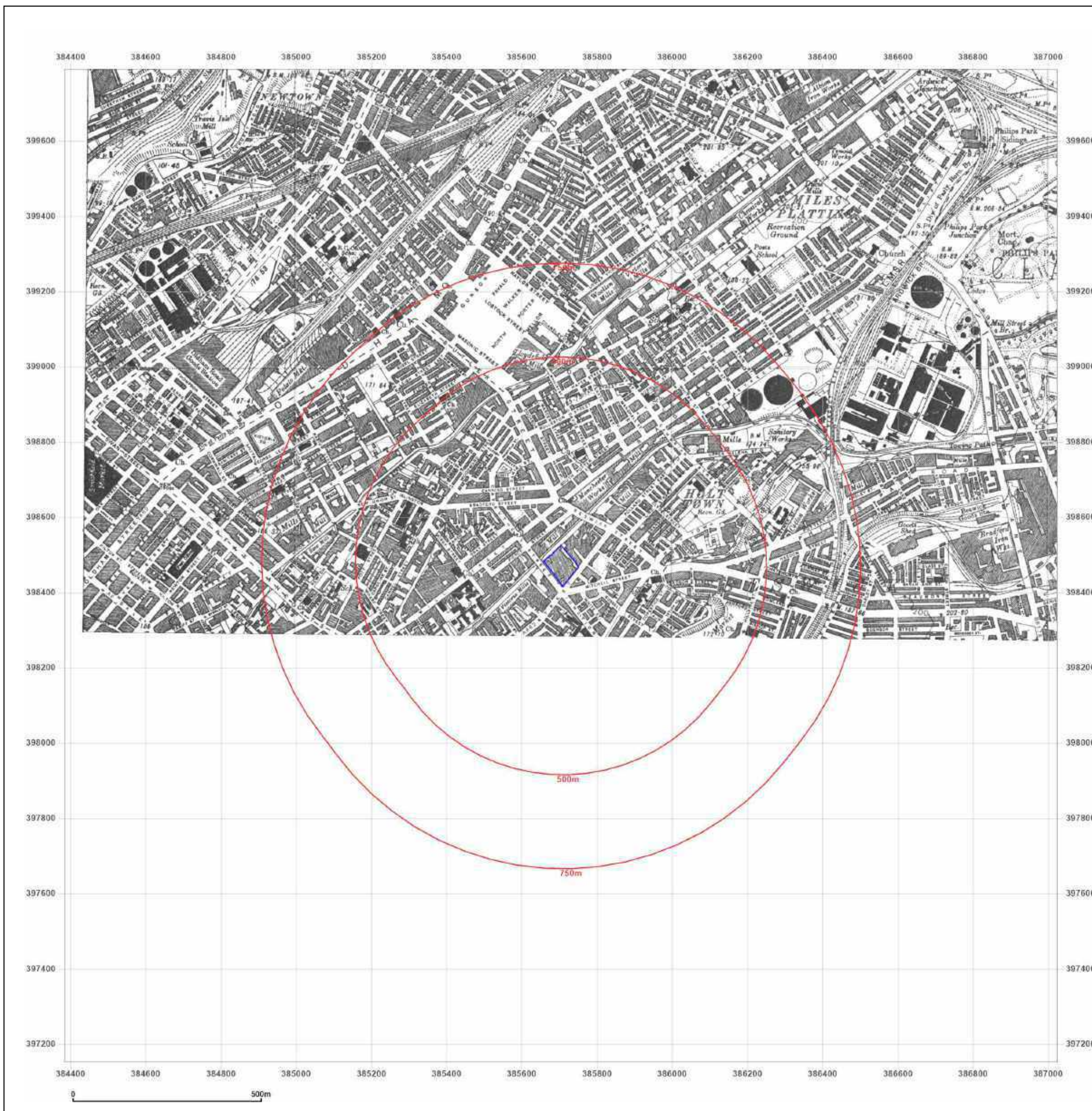


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Site Details:

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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

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

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

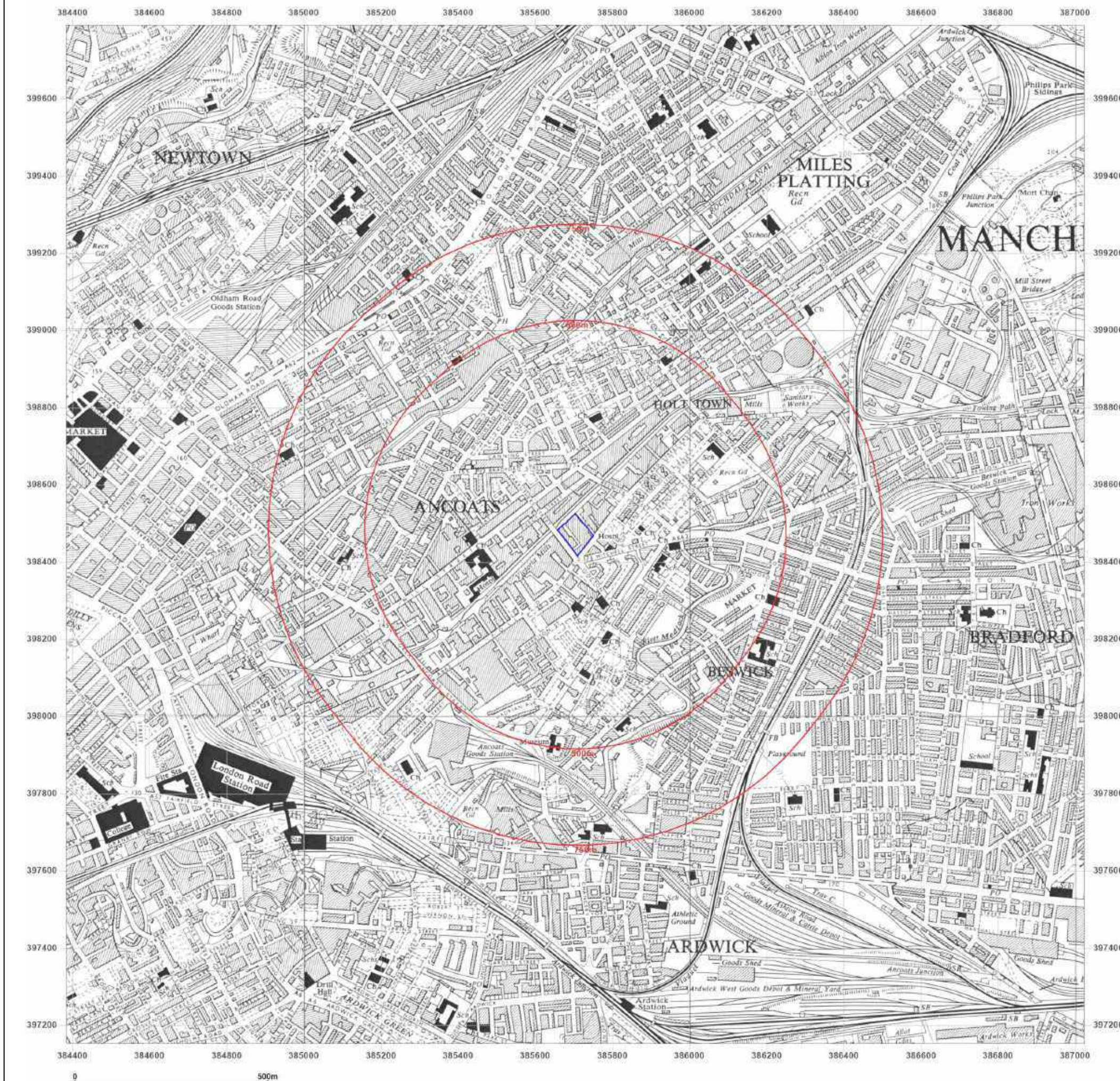


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Production date: 14 October 2021

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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: Provisional

Map date: 1968

Scale: 1:10,560

Printed at: 1:10,560



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

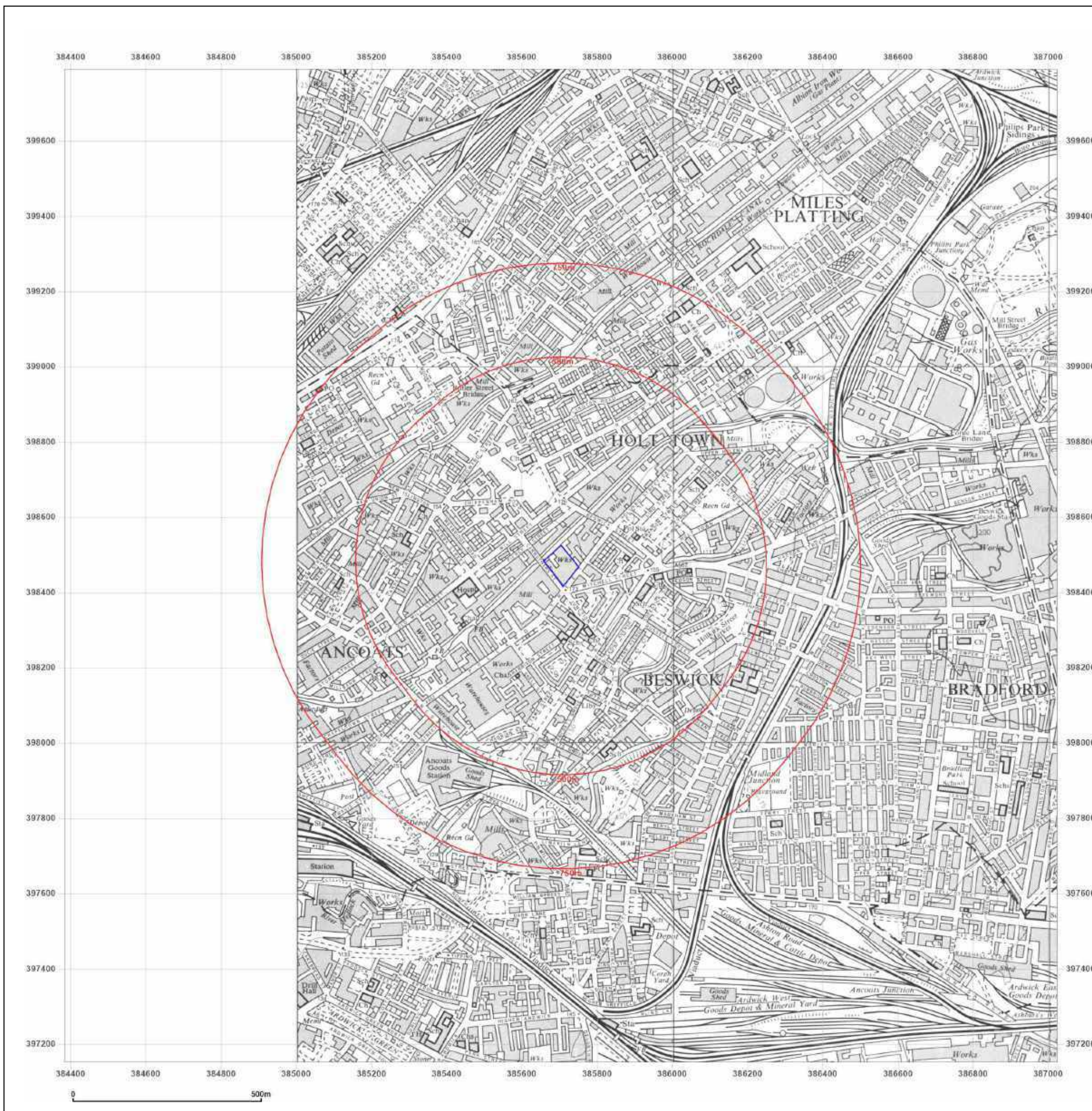


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Site Details:

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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1980-1981

Scale: 1:10,000

Printed at: 1:10,000



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

Surveyed 1976
Revised 1980
Edition N/A
Copyright 1981
Levelled 1976



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Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1983
Revised 1985
Edition N/A
Copyright 1985
Levelled 1981

Surveyed 1985
Revised 1985
Edition N/A
Copyright 1985
Levelled 1981

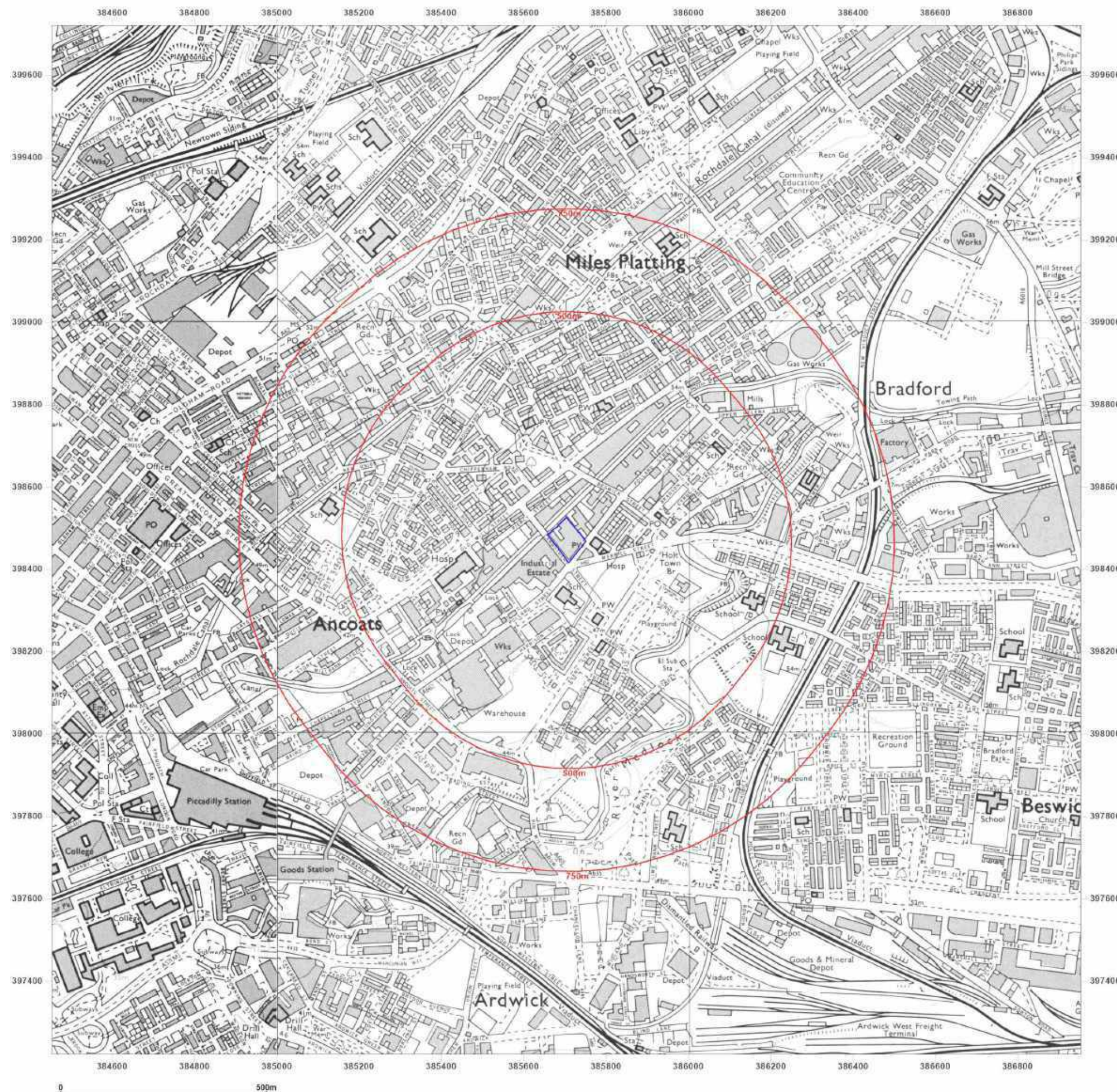


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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 1988-1991

Scale: 1:10,000

Printed at: 1:10,000



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

Surveyed 1985
Revised 1991
Edition N/A
Copyright 1991
Levelled 1981

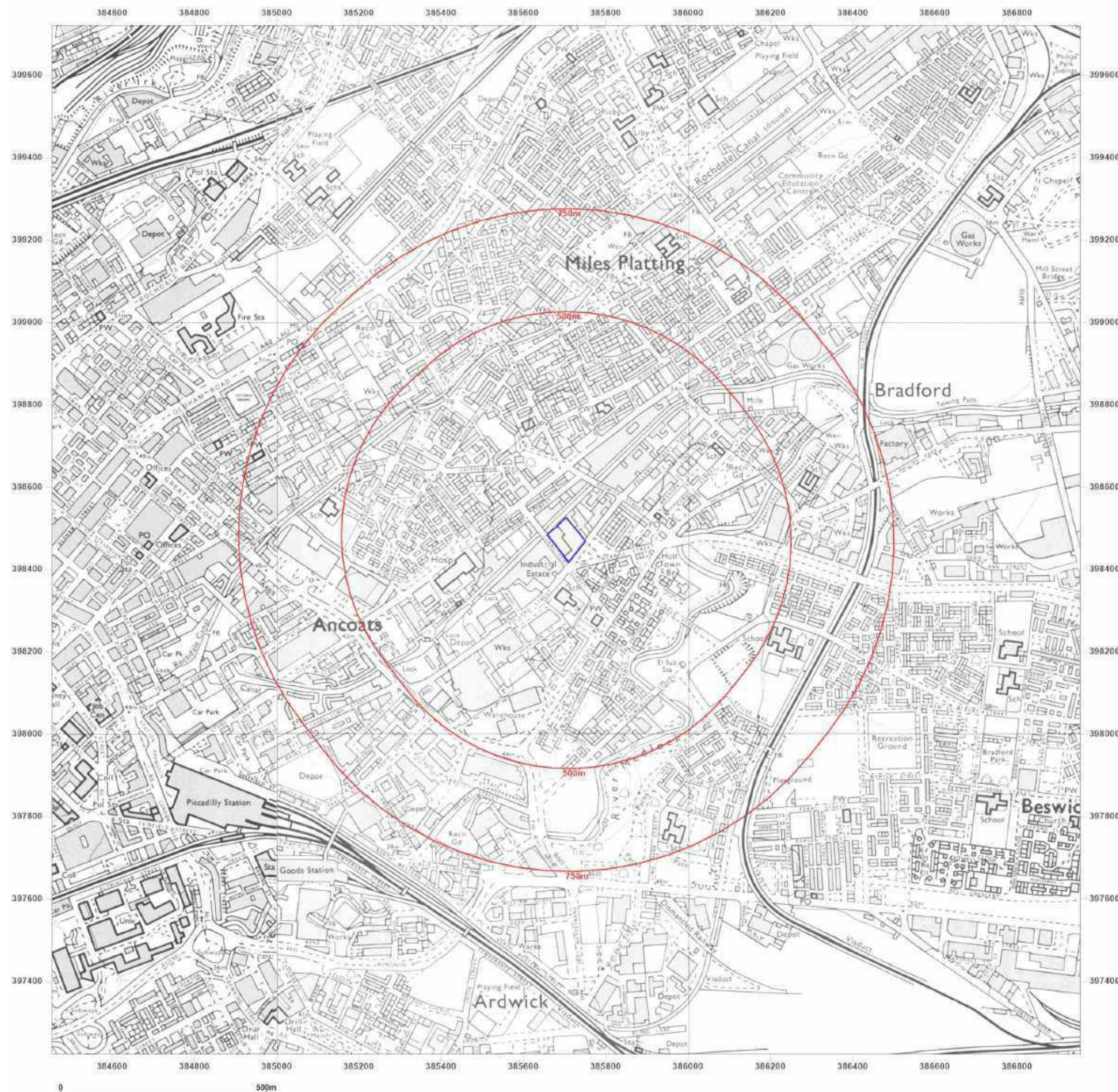


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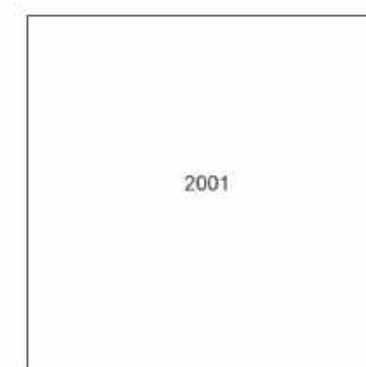
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Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

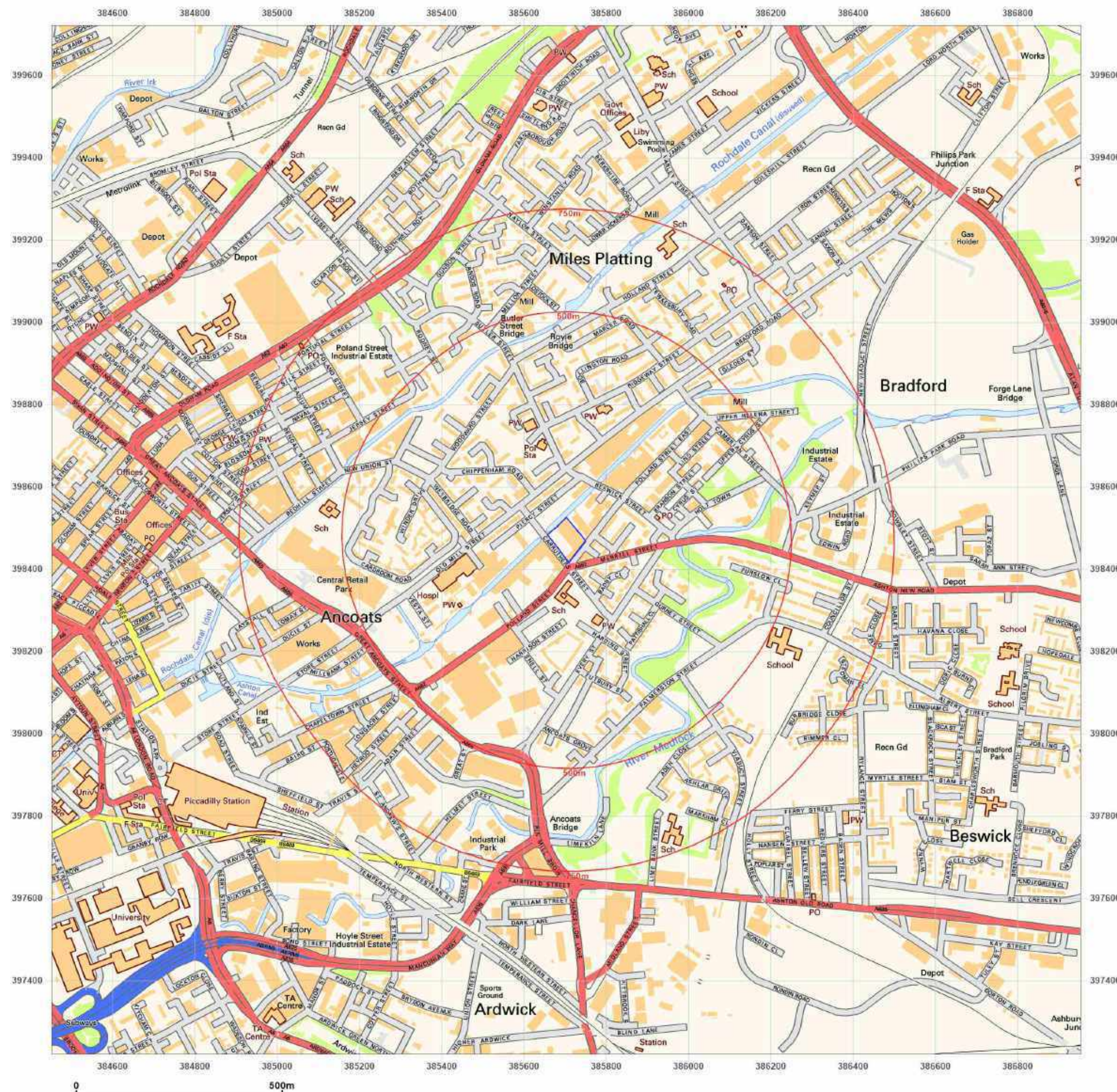


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Production date: 14 October 2021

Map legend available at:
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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

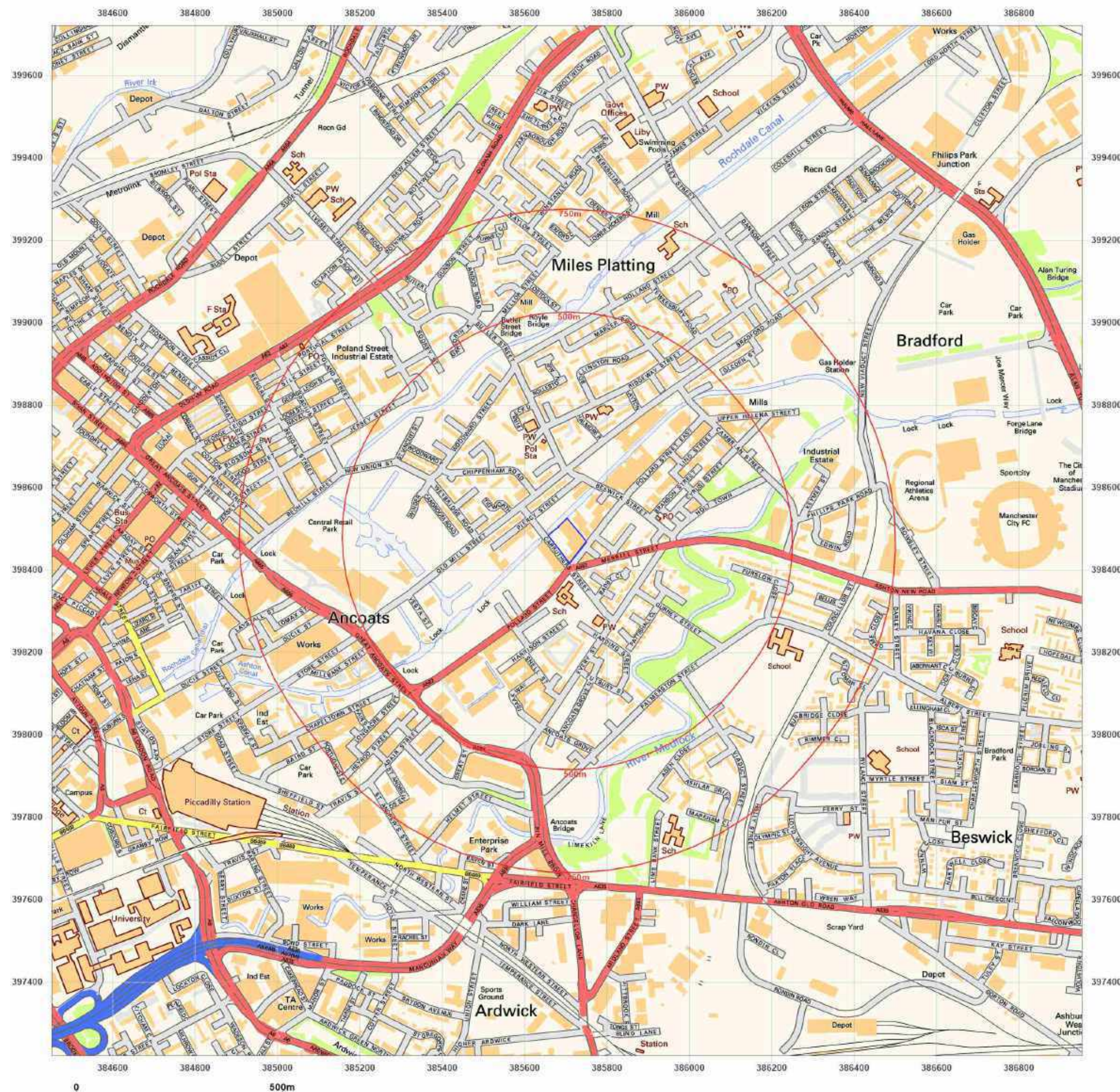


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Production date: 14 October 2021

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Site Details:

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MANCHESTER, M4 7JA

Client Ref: 9809G
Report Ref: HMD-424-8263971
Grid Ref: 385703, 398471

Map Name: National Grid

Map date: 2021

Scale: 1:10,000

Printed at: 1:10,000



2021

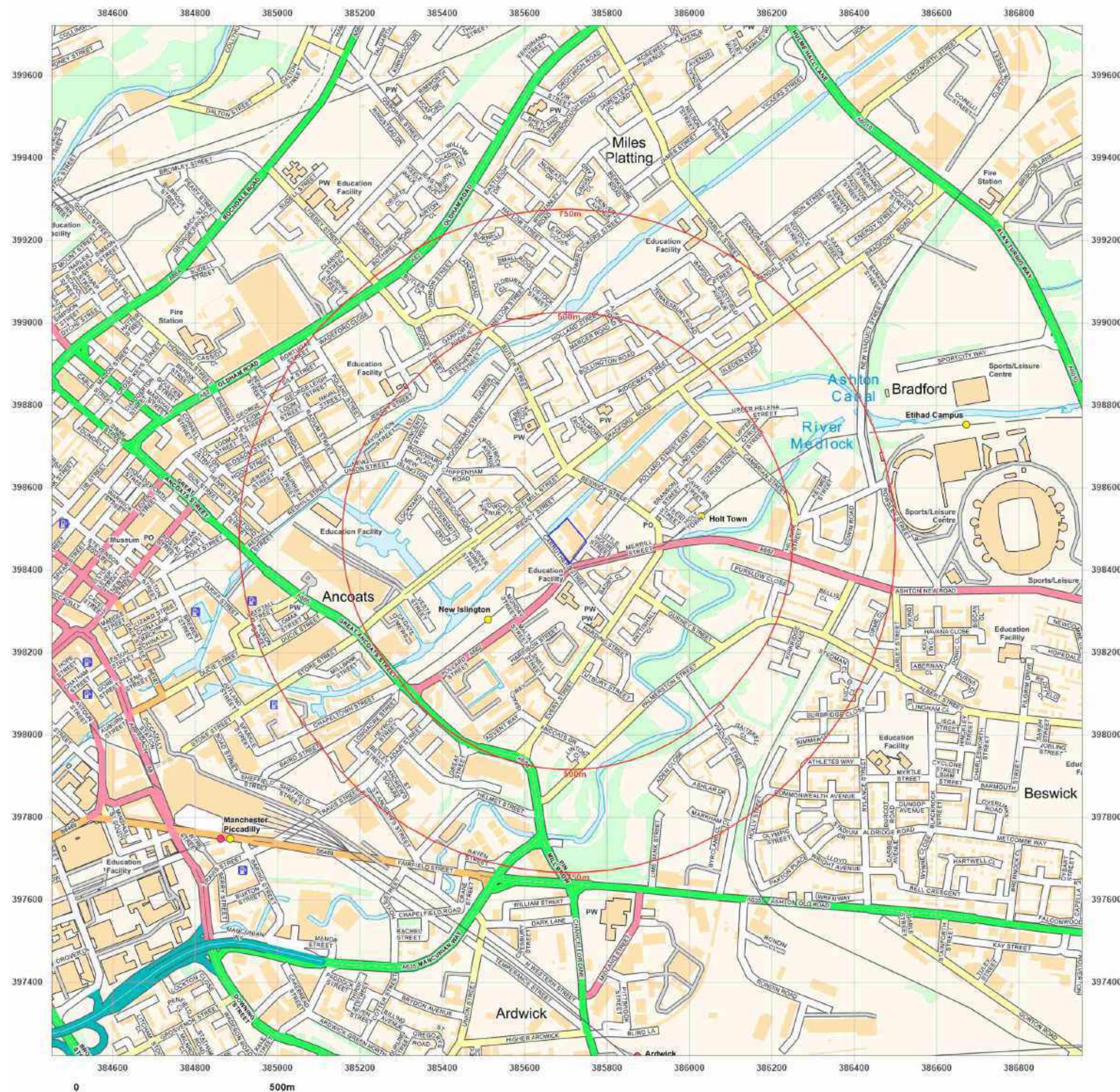


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APPENDIX 04

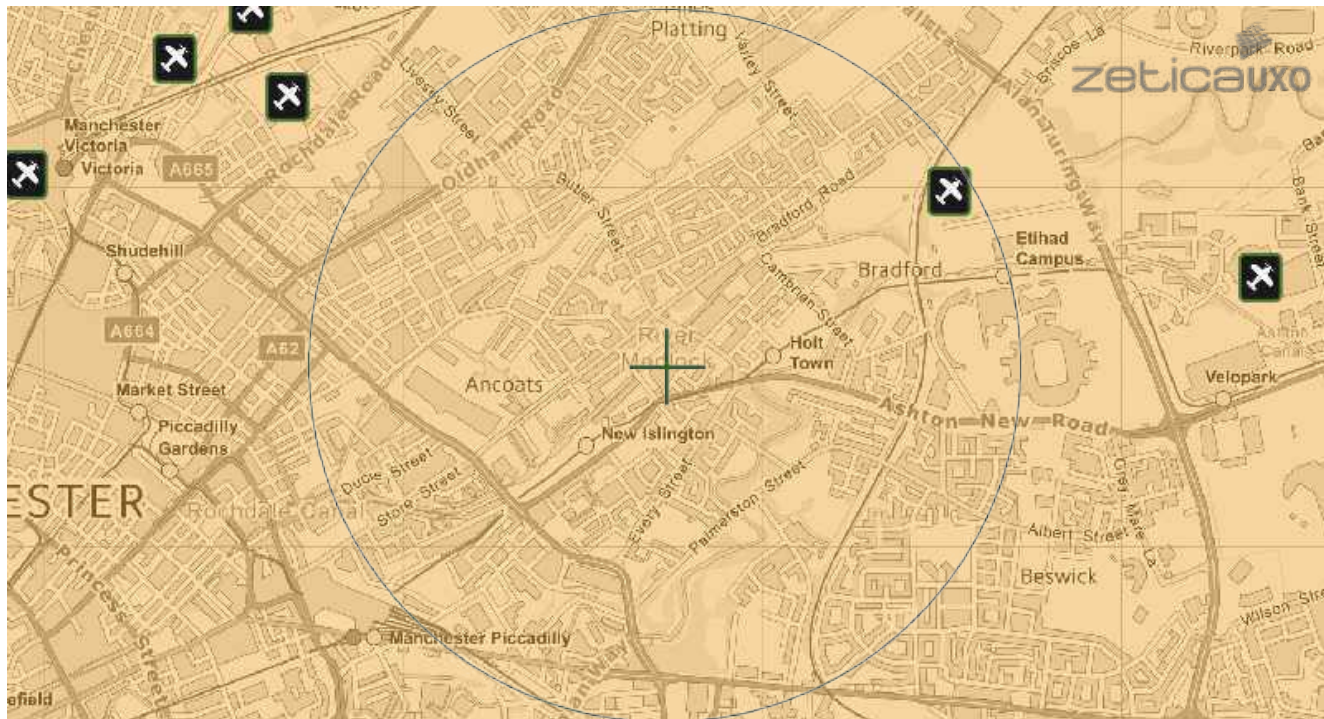
Unexploded Bomb Risk Map – Preliminary

UNEXPLODED BOMB RISK MAP



SITE LOCATION

Location: M4 7JA,
Map Centre: 385740,398505



LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- military
- industry
- UXO find
- transport
- dock
- Luftwaffe targets
- utilities
- Bombing decoy
- other

How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

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web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

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It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

APPENDIX 05

Qualitative Risk Assessment Guidance

Qualitative Risk Assessment Guidance

The Preliminary Contamination Risk Assessment methodology within the Phase 1 Desk Study Report is undertaken with reference to the following CIRIA guidance.

- Contaminated Land Risk Assessment - A Guide to Good Practice CIRIA C552:2001.

In practical terms, risk evaluation is undertaken in order to ascertain if potential risks are considered to be acceptable via classification following factors.

- The magnitude of the potential **consequences** (severity) of the risk occurring.
- The magnitude of the **probability** (likelihood) of the risks occurring.
- The potential consequences of contamination risks occurring at the Site should be classified in accordance with the following table which is adapted from Table 6.3 in the CIRIA guidance.

Table 1 Classification of Consequence

Classification	Definition
Severe	Short term (acute) risk to human health likely to result in 'significant harm' as defined by the <i>Environment Protection Act 1990</i> , Part IIA. Short term risk of (significant) pollution of sensitive water resource or ecosystem. Catastrophic damage to building/property. Short term risk to a particular ecosystem, or organism forming part of such an ecosystem.
Medium	Chronic damage to human health (significant harm). Pollution of sensitive water resources. A significant change in a particular ecosystem, or an organism forming part of such an ecosystem.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment.
Minor	Harm, although not necessarily significant harm, which may results in a financial loss, or expenditure to resolve. Non-permanent, easily preventable effects to human health. Easily repairable damage to buildings, structures and services.

The probability or likelihood of a risk occurring is then classified in accordance with Table 6.4 in the CIRIA Guidance which is also reproduced in Table 2 below.

Table 2 Classification of Probability

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

These classifications are then compared to indicate the risk to each pollution linkage. For each likelihood scenario, it will be assumed that a pollution linkage exists between the source and any potential receptors. The classification is not applied if no active pollution linkage is perceived to exist.

Upon classification of both the consequences and probability, the two can be compared in Table 6.5 within the guidance, in order to produce a risk category rating. The risk categories range from 'Very High Risk' to 'Very Low Risk' and should be determined for each potential pollutant linkage as oppose to each receptor or hazard as indicated above.

The matrix table is reproduced in Table 3 below.

Table 3 Consequence Vs Probability Matrix

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

The outcome of the Consequence vs Probability matrix should be compared to the risk definitions and likely actions required in Table 4 (Table 6.6 in CIRIA C552).

The outcome will then determine the overall risk category for the site and should form the basis for any proposed investigation work and remedial actions to be determined. The assessment is based on a qualitative approach at the initial Phase 1 Desk Study, and should be updated following the results of any subsequent ground investigation results.

Table 4 Definitions of Classified Risks and Likely Required Actions

Risk Category	Definition
Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard OR, there is evidence that severe harm to a designated receptor is currently happening. This risk (if realised) is likely to result in a substantial liability. <u>Required Actions</u> <i>Urgent investigation (if not undertaken already) and remediation are likely to be required.</i>
High	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. <u>Required Actions</u> <i>Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.</i>
Moderate	It is possible that harm could arise to a designated receptor from an identified hazard. However, if it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is likely that the harm would be relatively mild. <i>Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.</i>
Low	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.