

15th February 2022
Our Ref: 42163R1/Iss-RevA

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KMM Homes Limited
31 Sackville Street
Manchester
M1 3LZ

Dear KMM Homes,

**LAND AT 14 CLUB STREET, MANCHESTER, M11 1NF
PHASE 1 ENVIRONMENTAL ASSESSMENT**

Overview

We write, following your instruction, to provide a Phase 1 environmental assessment (site investigation) to assist in preparation for residential development of an area of land at 14 Club Street in the Openshaw area of Manchester, M11 1NF ('the site'). Figure 1 shows the site location (centred on National Grid Reference 389889 397445) and Figures 2 and 3 show the current site layout and boundary location.

This report has been prepared to provide information to help assess potential geo-environmental and land contamination issues that may affect the proposed development.

The report provides details of the environmental site setting based on a site walkover and information gathered from publicly available environmental/geological information from public bodies (including the Environment Agency (EA) (via DATA.GOV.UK) and British Geological Survey (BGS)) via a Groundsure Insight report reproduced in Appendix C. A review of current and historical Ordnance Survey mapping data has also been completed. The assessment includes a site conceptual model, a land contamination preliminary risk assessment, risk evaluation and conclusions and recommendations to assist in furthering development at the site.

The site walkover was undertaken in two parts on the 19th July 2021 and the 9th February 2022, photographs of the site are included in Appendix B.

Limitations of Assessment

The report has been prepared under umbrella frameworks laid out in non-statutory UK guidance provided here: <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm> and in R&D66:2008 ('Guidance for the safe development of housing on land affected by contamination'), as well as in general accordance with the current National Planning Policy Framework. Information provided to or obtained by Peak Environmental Solutions has been relied upon in good faith. Our investigations exclude (i) surveys to identify the presence of injurious and invasive weeds; (ii) surveys to identify the presence of asbestos containing materials in buildings and; (iii) surveys to identify geotechnical risk/issues, including those associated to potential mining legacy concerns. This report is subject to our standard terms of business and the attached limitations and exceptions.

Existing Site Layout

The ~0.63 Hectare site is located in the Openshaw area of Manchester ~6km to the east of the city centre. The site is divided into two parts, as follows:

-)] **Area 1:** ~0.48 hectares in the centre, south and east of the site, is accessed via Club Street and is occupied by the Openshaw AEU Club and Institute.
-)] **Area 2:** ~0.18 hectares in the north and west of the site is accessed separately via Burman Street and through a yard area used by Termstall, a fencing contractor. This area is currently disused.

A brick wall separates the two parts of the site which are shown in Figure 2.

The site walkover for Area 1 was completed in July 2021. The following features were present:

-)] Club Street. An asphalt surfaced dead-end road that extends ~50m north off Ashton Old Road and leads to the Openshaw AEU Club main entrance located at the head of Club Street and to the east.
-)] An asphalt surfaced car parking area located to the east of Club Street in the centre/south of the site.
-)] A brick built social club building located in the east of the site. The main part of the building is a single storey structure with a pitched roof that has been extended at its northern, southern and western elevations.
-)] An overgrown and disused strip of land that is partially hard surfaced with paving slabs located to the east of the main building.
-)] A small, asphalt surfaced area is located to the north of the main building and gives access to a spectator stand and toilet facilities attached to the main building.
-)] To the west of the main building is a grass surfaced crown bowling green surrounded on all sides by a shallow gutter and an asphalt surfaced walkway. Hard surfaced viewing areas are located alongside the walkway in the south and west of the site, extending to the site boundaries. Small spectator stands are present around the green to the south, west and north.
-)] A detached bungalow, surrounded by an overgrown garden occupies the northern part of the site, with the garden extending to the north-western tip of the bowling club area.

Site boundaries are formed by high brick walls to the south, west and north and a palisade fencing to the east.

The main building includes a bar area and a cellar beneath most of the original structure. The cellar was damp, but without standing water at the time of the walkover. The building has gas central heating and is connected to mains water and drainage.

No areas of temporary or permanent waste storage or disposal were identified during the walkover. No bulk liquid (including oil) storage was on-going. Other than the main building basement, no underground structures (excluding underground services) were identified. No visual or olfactory evidence to suggest the presence of ground contamination was observed.

A potential invasive weed species (Japanese knotweed) was observed on the northern and north-eastern site boundary. Its presence should be confirmed by an invasive weed specialist.

Area 2 is accessed via gates in the northern boundary via the adjacent fencing company yard. The area is surrounded by a fencing to the north, west and south and a brick wall to the east. The site walkover was completed in February 2022. The following features were present:

-) A northern undeveloped and un-surfaced area with scrub vegetation where trees have been recently removed. This part of the site has been subject to fly tipping of a wide variety of household waste including car parts and domestic waste, predominantly along the western boundary.
-) A southern area, also un-developed and un-surfaced but where small scrubby trees have yet to be cleared. Minor fly tipping has occurred in this part of the site.

No built development is currently present within Area 2. Possible remnant structures are present in the north in particular, where bricks and other construction materials are present at the surface. No underground structures or bulk liquid storage was observed. No visual or olfactory evidence to suggest the presence of ground contamination was observed.

The whole of the site (Areas 1 & 2) is flat at an elevation of ~91m above Ordnance Datum (AOD). The area around the site is also flat or very gently sloping to the south.

Surrounding Land Use

The site is located in an area of mixed land use in the Manchester suburb of Openshaw. Land uses surrounding the site are as follows:

-) **North:** School playing fields and a fencing contractors yard are present immediately to the north, with allotment gardens, school buildings and residential houses beyond.
-) **East:** Playing fields are also present to the north-east. East of the club building is an overgrown and disused area that extends ~40m to a church development. East of Club Street are a disused and overgrown area, a pub and houses on Gransmoor Avenue, with further housing beyond. A fuel filling station is located ~150m to the east/south-east and is accessed via Ashton Old Road.
-) **South:** Houses are present immediately to the south of the main club and to the north of Ashton Old Road. South of Club Street and Ashton Old Road, further housing extends ~200m to rail lines beyond. A park is present to the south-west.
-) **West:** Houses and a church are present to the west, with houses extending at least 500m.

Proposed Site Layout

The proposed development layout has yet to be finalised, but it is understood to comprise ~26 residential properties. The development will also include hard surfaced access roadways and parking areas and soft landscaped gardens. The main access will be via Club Street.

Geological, Hydrogeological & Hydrological Setting

The 1:50,000 scale BGS geology map for the area records the presence of superficial deposits beneath the site consisting of Quaternary Devensian Till. Bedrock geology consists of the Permian Collyhurst Sandstone Formation. Carboniferous Coal Measures are present at depth beneath the site.

The BGS hold a database of borehole records that can sometimes provide additional ground condition information. The nearest log is for a borehole drilled in 1988 located ~40m to the south-west of the site and extended to 5m below ground level. The log records a thin layer of made ground over Boulder Clay (Till) extending to the base of the borehole. A thin gravel band was encountered at ~3m bgl. The shallow deposits are described as follows:

'Firm brown/grey sandy CLAY with fine to medium gravel. BOULDER CLAY'.

These deposits are likely to have a relatively low permeability and are likely to preclude the use of soakaway drainage at the site.

The site is located in an area where the Coal Authority consider that there may be risks associated with past or present coal mining (i.e. it is located within the Coal Authority Reporting Area). The site is not located within the Development High Risk Area, suggesting that the Coal Authority consider it unlikely that past underground mining will affect development at the site. No mine entries or surface coal outcrops are recorded within 1 km on the on-line planning Coal Authority mapping (viewed July 2021).

Radon Maps provided by Public Health England indicate that the site is located within an area where the maximum radon potential is less than 1%. Radon protection measures should not be required for the proposed properties. This will need to be agreed directly with building control in due course.

The superficial deposits beneath the site are classified as a Secondary Undifferentiated Aquifer suggesting that they are unlikely to represent a significant groundwater resource. The bedrock deposits are classified as a Principal Aquifer and may represent a source for locally and regionally important groundwater supplies. There are no groundwater abstractions recorded on the EA database within 1km of the site however and the site is not located within a Source Protection Zone (SPZ) set by the EA for the protection of important groundwater abstractions (Appendix C).

The nearest surface water feature is the Ashton Canal located ~350m to the north. Surface water runoff is likely to be in a southerly direction however in line with local topography. The nearest surface water feature to the south is the Gorton Reservoir system located more than 600m from the site.

The site is in an area that the EA have categorised as having a low probability of flooding (less than 1 in 1,000 annual probability of river or sea flooding).

Ecologically Sensitive Areas

The Government Information website www.magic.gov.uk lists conservation designations for the area. There are no designated areas including Sites of Special Scientific Interest, Areas of Outstanding Natural Beauty, Environmentally Sensitive Areas, National Nature Reserves, Local Nature Reserves or Specially Protected Areas within 1km of the site. No Scheduled Ancient Monuments are located near the site.

Site History & Potentially Contaminative Landuse

Historic Ordnance Survey (OS) maps for the site (1885 to present day) are attached and provide supporting information about previous on and off-site land use, including potentially contaminative land uses on or around the site. Aerial photography for the period between 2000 and 2020 has also been reviewed via Google Earth Pro.

At the time of the first OS in 1848, the site was undeveloped and occupied by fields. Ashton Old Road was present to the south, with some houses nearby. Rail lines were also already present in their current location to the south and school buildings in approximately their current locations to the north and north-east.

By 1892, the club building (un-extended), an outline possibly representing the bowling green and Club Street are recorded in their current locations. Houses have been built to the south and tram lines are shown within Ashton Old Road. A pond is recorded ~80m to the north.

Mapping from 1906 no longer records the pond. Further housing development in the area has occurred by this time, including beyond the site boundary to the east in the currently disused and overgrown area. This map records the Fairfield Laundry immediately to the north of the site for the first time. The laundry is expanded gradually with tanks and a chimney shown adjacent to the main building for the first time in the 1950s.

Within the site, small buildings assumed to be domestic scale garages are also established, along the western boundary (Area 2) during the 1950s. A second row of garages are added along the boundary with Area 1 in the west of the site sometime before 1974. Domestic scale garages are also added in close proximity to the north of the site and to the south of the car park.

By 1984, the club building has been extended to approximately its current size and the bungalow in the north of the site has been added. The main laundry buildings have been removed by 1991, leaving some small buildings near the site to the north-west.

The aerial photograph record from 2000 shows the western part of the site un-developed, with the two rows of garages having been removed. The former laundry site is also in approximately its current layout as an open yard. Houses immediately to the east, and garages immediately to the west and south have been removed, leaving the undeveloped, fenced off areas that are currently present. Additional school buildings are added to the north-east in ~2003, and areas of houses beyond Burman Street to the west are removed and re-built between 2009 and 2016. No other significant changes are recorded on the subsequent aerial photographs.

Contemporary Potentially Contaminative On-Site & Off-site Landuses

No industrial plants or facilities permitted to operate by the EA have been identified within the site boundaries. No current permitted activities have been identified within 500m of the site.

Contemporary industrial land uses have been identified within 500m of the site are as described above (fuel filling station to the south-east and fencing company immediately to the north).

Contamination Sources - Registered Waste Operations, Infilled Land and Pollution Incidents

No pollution incidents that are likely to affect the development have been identified on the EA database at the site or in the near vicinity (Appendix C).

No currently operational landfill sites are recorded on the EA database within 500m of the site. A closed landfill is recorded ~280m to the north-west of the site but should not affect the development (see Appendix C).

Contaminants & Hazards of Concern

The Phase 1 process has identified the following potential issues that may affect the development:

-)] The main bowling club site has been developed since at least the 1890s, with various phases of expansion occurring until approximately the 1980s. The area has been used as a social club, a bowling green and a residential house. Although none of these uses represent a significant sources of ground contamination, developed site use has been on-going for a considerable period and some contamination may have resulted.
-)] The main bowling green site buildings have also been altered or constructed at a time when use of asbestos containing materials (ACMs) was common. Site buildings and potentially site soils may include asbestos containing.
-)] Imported materials may have been used to form hard surfaced areas and/or improved drainage for the bowling green. Imported made ground can sometimes include concentrations of contaminants that may not be appropriate in a residential setting.
-)] The western part of the site (Area 2) was developed with domestic scale garages sometime around the late 1950s and used in this form until they were demolished sometime prior to 2000. ACMs were commonly used as roofing/guttering/drainage materials for domestic scale garages. Site soils may include ACMs. Some other ground contamination may have occurred as result of garage activities but this is likely to be limited in extent.
-)] Some fly tipping has been carried out in the west of the site in recent years and some limited ground contamination may have occurred as a result.
-)] A laundry was historically (between ~1900 and ~1980s) located in close proximity to the north of the site. A chimney and a tank are both recorded at various times during this period. Dry cleaning, if it was carried out, represents a potentially significant source of ground contamination in the form of chlorinated solvents which can remain in the ground for long periods. Solvents could migrate onto the site via groundwater movement and have the potential to impact the future site residents and other receptors.
-)] Land immediately to the south (of the car park) and immediately north of the western part of the site has also historically also been used to house domestic scale garaging. Some

contamination may be present in these areas as a result. Significant impacts at the site are currently considered unlikely.

No other potential contaminants or sources of contamination that may affect the development have been identified during the Phase 1 assessment process.

Some concentrations of the following contaminants in particular may be present as a result of a history of development at the site and local ground conditions:

-) Arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, vanadium, zinc.
-) Asbestos containing materials (ACMs).
-) Banded speciated total petroleum hydrocarbons (TPH) fractions C6-C35.
-) Volatile organic compounds including chlorinated solvents.
-) Priority 16 polyaromatic hydrocarbons (PAHs): naphthalene, acenaphthene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo-a-anthracene, chrysene, benzo-b-fluoranthene, benzo-k-fluoranthene, benzo-a-pyrene, dibenzo-a,h-anthracene, benzo-g,h,i-perylene, indeno-1,2,3-c,d-pyrene.

Ground gases (methane and carbon dioxide) are currently considered unlikely to affect the site or the development.

Risk Assessment

The qualitative PRA is presented in Table 1 and considers the proposed residential development. The PRA includes an initial conceptual site model to assess the relative significance of risks associated with relevant pollutant linkages identified by a source-pathway-receptor analysis. The relative assessment of risk is based on the following:

-) The likelihood (probability) of an event occurring, taking into account the presence of the hazard & receptor, as well the plausibility of the pathway. The likelihood is defined as the chance of a particular event occurring in a given period of time.
-) The severity of the potential consequence, taking into account the relative significance the hazard (typically site specific) and the relative sensitivity of the receptor. Severity or consequence can be defined as adverse effect(s) or harm arising from a hazard that impairs receptor function/condition in the short term (acute) or longer term (chronic).
-) Risk classification (very low to very high) using a risk matrix that combines 'consequence' and 'likelihood'; the risk matrix is detailed in Appendix E.
-) For the purposes of the qualitative assessment, identified very low and low risks will be considered acceptable for the redeveloped use.

The PRA does not specifically consider risks to construction workers during the development who may come into contact with site soils. Protection of workers should be achieved via routine precautions and compliance with relevant construction health and safety statutory/non-statutory guidance and codes of practice.

Table 1: Post-Development Conceptual Site Model & Preliminary Risk Assessment

Relevant Pollutant Linkages			Risk Assessment			
Source/Hazard	Pathway	Sensitive Receptor	Consequence	Likelihood	Preliminary Risk Classification	Comments
Inorganic/organic substances in soils & groundwater	Direct contact (Ingestion & Dermal) Inhalation of soil dust Internal and external inhalation of organic vapour Migration of organic contaminants into plastic water supply pipes Ingestion of site grown vegetables	Human Health Future site users	Medium	Low likelihood	Moderate to Low risk	Some ground contamination may be present as a result of historic site use or surrounding land use. Sensitive residential receptors will be introduced.
	Soils leaching to groundwater Perched water discharge to groundwater Lateral groundwater flow	Controlled Waters Groundwater	Medium	Low likelihood	Moderate to Low risk	The site is located in an important groundwater resource area, but a significant thickness of low permeability superficial deposits are present. Surface waters are not located in close proximity and are less likely to be affected by contaminants from the site.
	Groundwater discharge to surface waters Direct surface run-off	Controlled Waters Surface water	Medium	Unlikely	Low risk	
Asbestos fibres/fragments in shallow soils	Inhalation of soil dust Direct contact (Ingestion & Dermal)	Human Health Future site users	Medium	Likely	Moderate risk	-
Aggressive ground conditions	Direct contact with contaminated soils & pore water	BBM&S Buildings, building materials and services	Medium	Unlikely	Low risk	-

Note: Identified Very Low and Low risks are considered acceptable for the redeveloped use
BBM&S: Buildings, building materials and services.

Conclusions and Recommendations

A Phase 1 environmental assessment has been undertaken for the site to support the proposed redevelopment. The purpose of the assessment was to:

1. Determine the potential for land contamination issues arising from the current or historical uses of the site and surrounding area; and
2. Provide an assessment of potential risks that identified land contamination issues may pose to sensitive receptors on the developed site (including future site users, controlled waters and infrastructure).

The PRA has identified moderate to low risks to the identified receptors associated with potential land contamination and other related sources/hazards at the site. The following actions should be incorporated into the development scheme to ensure potential risks are effectively managed:

-) The current buildings should be assessed for potential ACMs via an appropriate HSG264 compliant asbestos demolition survey. The recommendations of the survey should be implemented in line with CAR-2012, with all ACMs handled appropriately and removed for appropriate off-site disposal.
-) Potential invasive species observed in the north of the site should be professionally assessed and a management strategy should be agreed and implemented as necessary prior to any ground excavations at the site.
-) Following finalisation of the proposed residential development layout, demolition of the existing buildings, site clearance and where appropriate the removal of the existing hard standing, a targeted Phase 2 investigation that is proportionate to the risk levels highlighted in Table 1 should be completed. In particular, the investigation should:
 - *Establish the groundwater regime and groundwater quality in the north of the site in particular.*
 - *Establish shallow ground conditions and soil quality in future garden/landscaped areas.*
-) The Phase 2 should be followed by generic quantitative/qualitative human health and controlled water risk assessments, as necessary, to identify the significance of any soil/groundwater contamination present.
-) Following the Phase 2 investigation, the initial conceptual model and risk evaluation should be refined, reducing the uncertainties highlighted by this report. It is recommended that the scope of the Phase 2 be agreed in advance with the contaminated land department at Manchester City Council. The Phase 2 report should include conclusions and recommendations for any further investigation or risk assessment work.
-) If required, a remediation/protection strategy should be developed to ensure that new buildings and site soils (including imported soils/sub-soil) do not represent a potentially unacceptable risk to the future site occupants.
-) A discovery strategy should be developed for use during the redevelopment should unexpected impacted made ground deposits and/or natural soils and waste deposits be encountered. The strategy should include a protocol for characterising and dealing with any encountered contamination, including liaison with Manchester City Council.
-) New site services should be laid in clean service corridors.

-) Below ground water supply services should comply with industry best practice for site development and the requirements of the water utility company.

We trust that the above meets your requirements. If you have queries, please do not hesitate to contact us.

Yours sincerely,

For and on behalf of Peak Environmental Solutions Limited



Clare Dainton

Director

Enc.

- Figures:

Figure 1: Site Location Plan

Figure 2: Site Layout Plan

Figure 3: 2021 Aerial Photograph

- Appendix A: Limitations & Exceptions
- Appendix B: Site Walkover Photographs
- Appendix C: Environmental Information Search
- Appendix D: Historical Map Pack
- Appendix E: Risk Matrix

FIGURES

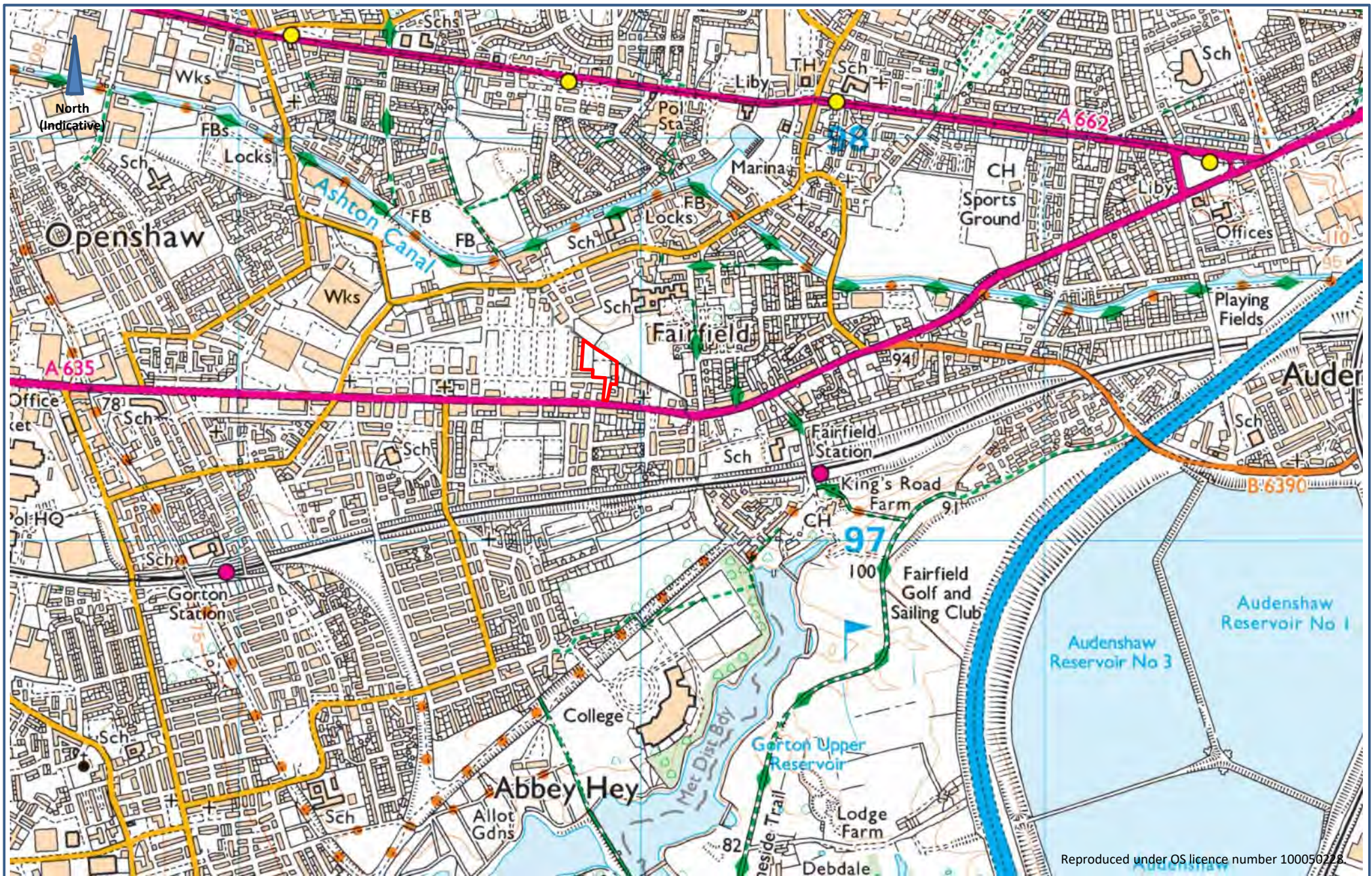


Figure 1 Site Location Plan

Site Location

Scale: Not to scale

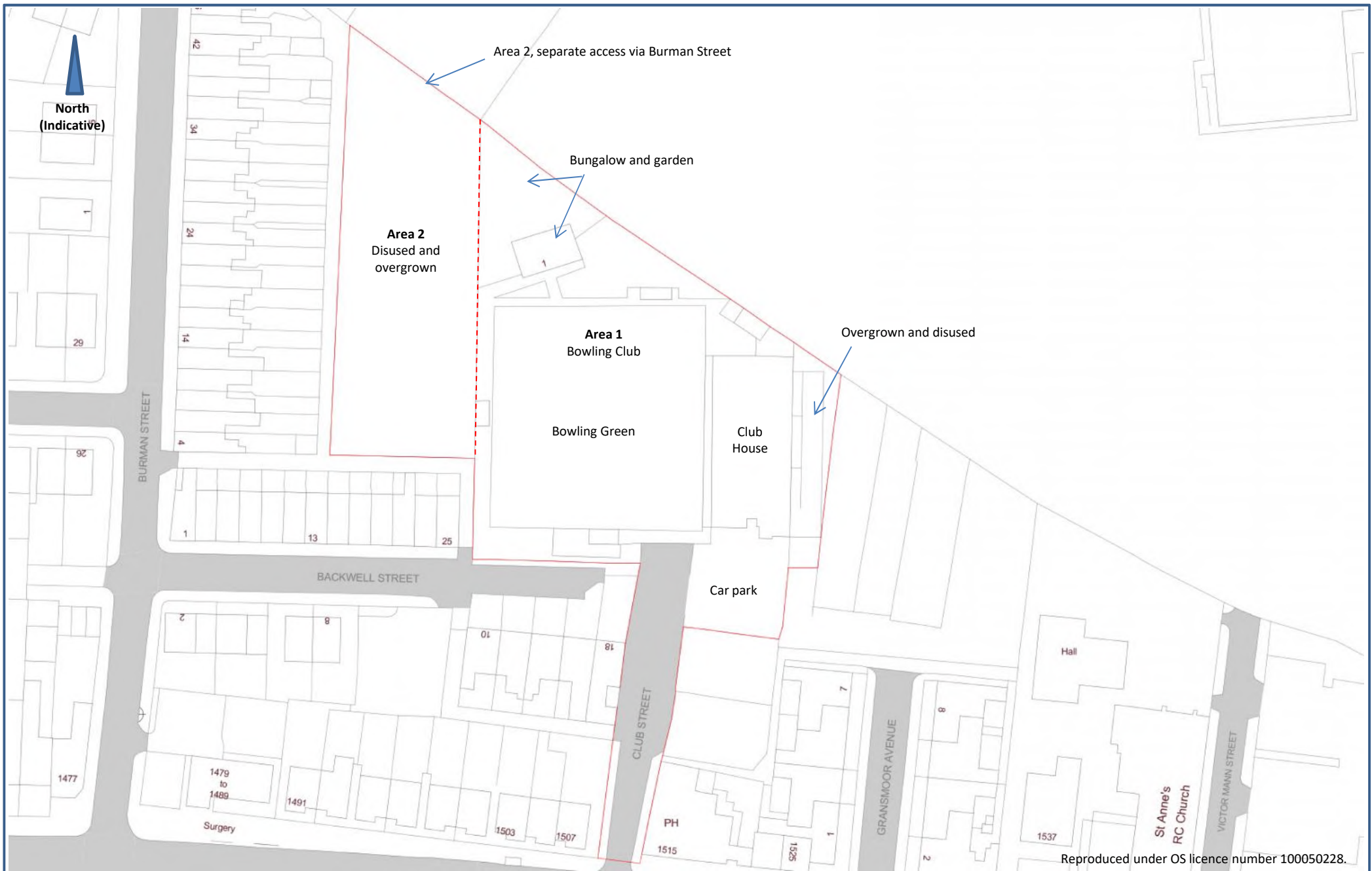


Figure 2

Site Layout Plan

Site Boundary (Indicative)

Scale: Not to scale



**PEAK ENVIRONMENTAL
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Site: Land at 14 Club Street, Openshaw, Manchester, M11 1HR

Project: 42163R1

Beechfield, Ninelands Road, Hathersage
Derbyshire, S32 1BJ
Tel: 01433 659071
www.peakenvironmentalsolutions.com



Figure 3	Aerial Photograph showing Current Site Layout	 Site Boundary (Indicative)	Scale: Not to scale
 PEAK ENVIRONMENTAL SOLUTIONS		Site: Land at 14 Club Street, Openshaw, Manchester, M11 1HR Project: 42163R1	Beechfield, Ninelands Road, Hathersage Derbyshire, S32 1BJ Tel: 01433 659071 www.peakenvironmentalsolutions.com

APPENDIX A

LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

KMM Homes Limited (the Client) has requested that a Phase 1 Environmental Assessment (the 'Project') be performed at the site. The report (and any copies of it) have been prepared for the sole use and reliance of the Client. This report s (and any copies of it) shall not be relied upon or transferred to any other parties without the express written authorisation of Peak Environmental Solutions limited. If an unauthorised third party comes into possession of this report, (and any copies of it) they rely on it at their peril and the authors owe them no duty of care and skill. Findings and opinions conveyed in the services should only be used by competent persons acting on the behalf of the Client and the findings and opinions conveyed in the services should only be used for the intended use. Copyright of reports & documents remains with Peak Environmental Solutions Limited. The project and report are subject to Peak Environmental Solutions standard terms and conditions.

Authorised or unauthorised copies of this document may come into the possession of organisations that are designated under the Freedom of Information Act 2000 ("the Act"). Such organisations that are designated in the Act are requested by Peak Environmental Solutions to respect the above statements relating to confidentiality and copyright.

Our investigations exclude (i) surveys to identify the presence injurious and invasive weeds; (ii) surveys to identify the presence of asbestos containing materials in buildings and; (iii) surveys to identify geotechnical risk/issues, including those associated to potential mining legacy concerns.

The findings and opinions conveyed via this report are based on information obtained from a variety of sources as detailed within this report, and which Peak Environmental Solutions Limited believes are reliable. Nevertheless, Peak Environmental Solutions Limited cannot and does not guarantee the authenticity or reliability of the information it has relied upon. The report represents the findings and opinions of experienced geo-environmental consultants. Peak Environmental Solutions Limited does not provide legal advice and the advice of lawyers may also be required.

The opinions presented in this report are based on a review of records, available investigation reports and historical sources. Peak Environmental Solutions Limited has found indicators that suggest that geo-environmental hazards may exist at the site and these may warrant mitigation or consideration appropriate to the end use stated by the Client. Not finding such indicators does not mean that geo-environmental hazards do not exist at the site. In addition, the Risk Assessment did not include any enquiry with respect to substances not included within the substances of concern.

The Client is advised that the geo-environmental conditions stated within reports supplied to Peak Environmental Solutions Limited are subject to change. Certain indicators of the presence of geo-environmental hazards may have been latent at the time of the most recent site reconnaissance and may subsequently have become observable. It is possible that Peak Environmental Solutions research, while fully appropriate for the Project, failed to indicate the existence of important information sources. Assuming such sources actually exist, their information could not have been considered in the formulation of Peak Environmental Solutions findings and opinions.

Certain indicators or evidence of geo-environmental hazards may have been outside the very limited portion of the subsurface investigated or monitored, latent at the time of this work or only partially intercepted by the works and thus their full significance could not have been appreciated. Groundwater levels are particularly susceptible to variations due to seasonal or other effects. Accordingly, it is possible that Peak Environmental Solutions work, whilst fully appropriate for the Project failed to indicate the presence or significance of geo-environmental hazards. Assuming the presence of a hazard, it could not have been considered in the formulation of Peak Environmental Solutions findings and opinions. The subsurface geological profiles and other descriptions are generalised by necessity and have been based on the information found at the locations of the exploratory holes and depths sampled and tested.

Any interpretation of the results of the Project have been based on the proposed site usage and the findings are not valid should the proposed land use and/or the regulatory regime/guidance change. Where interpretation is based on public domain guidance/protocols/models/software/code, Peak Environmental Solutions is not liable for errors in the guidance/protocols/models/software/code.

Peak Environmental Solutions Limited believes that providing information about limitations is essential to help the Client identify and thereby manage their risks. These risks can be mitigated, but they cannot be eliminated, through additional research. Peak Environmental Solutions Limited will on request, advise the client of the additional research opportunities available, their impact on risk, and their cost.

In preparing this report, it has been assumed that all past and present occupants have provided all relevant and other information, especially relating to known or potential geo-environmental hazards. This report is not required to identify insufficiencies or mistakes in the information provided by the user/owner or from any other source, but has sought to compensate for these where obvious in the light of other information.

APPENDIX B



Photo 1: Looking north up Club Street



Photo 2: Site entrance and car park looking north-east from Club Street



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Photo 3: Site boundary wall from Backwell Street looking north



Photo 4: Looking north-west across the car park towards the club



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Photo 5: Looking south across the car park. Club Street on the right of the photo



Photo 6: Looking south across the area in the east of the site to the east of the club building



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Photo 7: Looking north-west across the bowling green towards the bungalow



Photo 8: Looking south-east across the green, bungalow on the left of the photo



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Photo 9: Looking south from the northern tip of the site



Photo 10: Looking north towards the northern tip of the site



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Photo 11: Looking east across the green towards the main club building



Photo 12: Inside the main club building



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Photo 13: Main club building basement area 1



Photo 14: Main club building basement area 2



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Photo 15: Access to the west of the site via Burman Street and the Termstall fencing yard



Photo 16: Looking south across the western part of the site



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Photo 17: Looking north towards the site gates and the Termstall yard beyond



Photo 18: Fly tipping along the western site boundary



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Photo 19: Trees in the south of the western site area. Looking south towards houses the back of houses on Backwell Street



Photo 20: Looking west towards the back of houses on Burman Street across the area of trees in the west of the site.



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APPENDIX C

LAND AT CLUB STREET, MANCHESTER, M11 1NF

Order Details

Date: 15/02/2022
Your ref: 42163
Our Ref: HMD-8521115
Client: Peak Environmental Solutions

Site Details

Location: 389889 397445
Area: 0.63 ha
Authority: [Manchester City Council](#), [Tameside Metropolitan Borough Council](#)



Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.12 groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	1	0	18	93	-
18	1.2	Historical tanks	0	4	2	58	-
20	1.3	Historical energy features	0	0	4	12	-
21	1.4	Historical petrol stations	0	0	0	0	-
21	1.5	Historical garages	0	0	2	8	-
22	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
23	2.1	Historical industrial land uses	3	0	30	146	-
30	2.2	Historical tanks	0	4	5	81	-
33	2.3	Historical energy features	0	0	7	29	-
35	2.4	Historical petrol stations	0	0	0	0	-
35	2.5	Historical garages	0	0	4	13	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
37	3.1	Active or recent landfill	0	0	0	0	-
37	3.2	Historical landfill (BGS records)	0	0	0	0	-
38	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
38	3.4	Historical landfill (EA/NRW records)	0	0	0	2	-
38	3.5	Historical waste sites	0	0	0	5	-
39	3.6	Licensed waste sites	0	0	2	7	-
43	3.7	Waste exemptions	0	0	0	3	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
44	4.1	Recent industrial land uses	0	0	7	-	-
45	4.2	Current or recent petrol stations	0	0	1	0	-
45	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
46	4.5	Sites determined as Contaminated Land	0	0	0	0	-



46	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
46	4.7	Regulated explosive sites	0	0	0	0	-
46	4.8	Hazardous substance storage/usage	0	0	0	0	-
46	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
47	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
47	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	0	-
47	4.12	Radioactive Substance Authorisations	0	0	0	0	-
47	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	8	4	-
49	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
50	4.15	Pollutant release to public sewer	0	0	0	0	-
50	4.16	List 1 Dangerous Substances	0	0	0	0	-
50	4.17	List 2 Dangerous Substances	0	0	0	0	-
50	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	1	3	-
51	4.19	Pollution inventory substances	0	0	0	0	-
51	4.20	Pollution inventory waste transfers	0	0	0	0	-
51	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
52	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
54	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
56	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
57	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
57	5.5	Groundwater vulnerability- local information	None (within 0m)				
58	5.6	<u>Groundwater abstractions</u>	0	0	0	0	11
61	5.7	<u>Surface water abstractions</u>	0	0	0	0	4
62	5.8	Potable abstractions	0	0	0	0	0
63	5.9	Source Protection Zones	0	0	0	0	-
63	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
64	6.1	Water Network (OS MasterMap)	0	0	0	-	-



64	6.2	Surface water features	0	0	0	-	-
65	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
65	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
66	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
67	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
67	7.2	Historical Flood Events	0	0	0	-	-
67	7.3	Flood Defences	0	0	0	-	-
68	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
68	7.5	Flood Storage Areas	0	0	0	-	-
69	7.6	Flood Zone 2	None (within 50m)				
69	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
70	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
72	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
73	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
74	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
74	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
74	10.4	Special Protection Areas (SPA)	0	0	0	0	0
74	10.5	National Nature Reserves (NNR)	0	0	0	0	0
75	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
75	10.7	Designated Ancient Woodland	0	0	0	0	0
75	10.8	Biosphere Reserves	0	0	0	0	0
75	10.9	Forest Parks	0	0	0	0	0
76	10.10	Marine Conservation Zones	0	0	0	0	0
76	10.11	<u>Green Belt</u>	0	0	0	0	2
76	10.12	Proposed Ramsar sites	0	0	0	0	0



76	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
77	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
77	10.15	Nitrate Sensitive Areas	0	0	0	0	0
77	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
78	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
79	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
80	11.1	World Heritage Sites	0	0	0	-	-
81	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
81	11.3	National Parks	0	0	0	-	-
81	<u>11.4</u>	<u>Listed Buildings</u>	0	0	1	-	-
82	<u>11.5</u>	<u>Conservation Areas</u>	0	0	1	-	-
82	11.6	Scheduled Ancient Monuments	0	0	0	-	-
82	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
83	<u>12.1</u>	<u>Agricultural Land Classification</u>	Urban (within 250m)				
84	12.2	Open Access Land	0	0	0	-	-
84	12.3	Tree Felling Licences	0	0	0	-	-
84	12.4	Environmental Stewardship Schemes	0	0	0	-	-
84	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
85	<u>13.1</u>	<u>Priority Habitat Inventory</u>	0	0	9	-	-
86	13.2	Habitat Networks	0	0	0	-	-
86	13.3	Open Mosaic Habitat	0	0	0	-	-
86	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
87	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
88	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	0	0	2	6	-
90	<u>14.3</u>	<u>Superficial geology (10k)</u>	1	0	1	0	-



91	14.4	Landslip (10k)	0	0	0	0	-
92	14.5	<u>Bedrock geology (10k)</u>	1	0	1	1	-
93	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
94	15.1	<u>50k Availability</u>	Identified (within 500m)				
95	15.2	Artificial and made ground (50k)	0	0	0	0	-
95	15.3	Artificial ground permeability (50k)	0	0	-	-	-
96	15.4	<u>Superficial geology (50k)</u>	1	0	0	0	-
97	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
97	15.6	Landslip (50k)	0	0	0	0	-
97	15.7	Landslip permeability (50k)	None (within 50m)				
98	15.8	<u>Bedrock geology (50k)</u>	1	0	0	1	-
99	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
99	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
100	16.1	<u>BGS Boreholes</u>	0	1	8	-	-
Page	Section	Natural ground subsidence					
102	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
103	17.2	<u>Running sands</u>	Very low (within 50m)				
104	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
105	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
106	17.5	<u>Landslides</u>	Very low (within 50m)				
107	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
109	18.1	Natural cavities	0	0	0	0	-
110	18.2	BritPits	0	0	0	0	-
110	18.3	<u>Surface ground workings</u>	0	0	19	-	-
111	18.4	Underground workings	0	0	0	0	0
111	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<u>111</u>	<u>18.6</u>	<u>Non-coal mining</u>	0	0	0	0	1
112	18.7	Mining cavities	0	0	0	0	0
<u>112</u>	<u>18.8</u>	<u>JPB mining areas</u>	Identified (within 0m)				
<u>112</u>	<u>18.9</u>	<u>Coal mining</u>	Identified (within 0m)				
113	18.10	Brine areas	None (within 0m)				
113	18.11	Gypsum areas	None (within 0m)				
113	18.12	Tin mining	None (within 0m)				
113	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>114</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>115</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	2	0	-	-	-
<u>115</u>	<u>20.2</u>	<u>BGS Estimated Urban Soil Chemistry</u>	4	4	-	-	-
116	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
117	21.1	Underground railways (London)	0	0	0	-	-
117	21.2	Underground railways (Non-London)	0	0	0	-	-
118	21.3	Railway tunnels	0	0	0	-	-
<u>118</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	0	0	2	-	-
118	21.5	Royal Mail tunnels	0	0	0	-	-
118	21.6	Historical railways	0	0	0	-	-
<u>119</u>	<u>21.7</u>	<u>Railways</u>	0	0	3	-	-
119	21.8	Crossrail 1	0	0	0	0	-
119	21.9	Crossrail 2	0	0	0	0	-
119	21.10	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 22/04/2019

Site Area: 0.63ha



Recent site history - 2015 aerial photograph



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Capture Date: 11/06/2015

Site Area: 0.63ha



Recent site history - 2009 aerial photograph



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Capture Date: 02/06/2009

Site Area: 0.63ha



Recent site history - 2000 aerial photograph



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Capture Date: 19/06/2000

Site Area: 0.63ha



OS MasterMap site plan

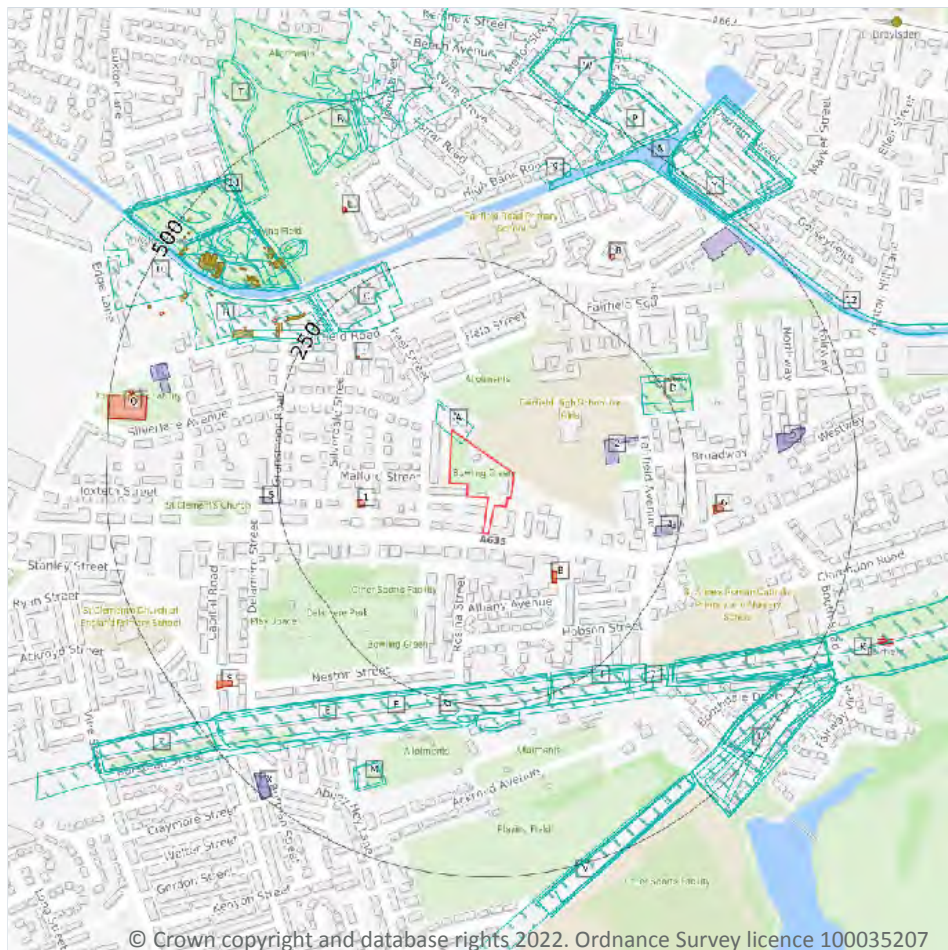


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Site Area: 0.63ha



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

112

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	Laundry	1906 - 1923	986544



ID	Location	Land use	Dates present	Group ID
C	179m NW	Unspecified Works	1968 - 1978	938652
C	179m NW	Unspecified Works	1985 - 1991	960351
C	202m NW	Dye Works	1906	833972
C	202m NW	Chemical Works	1918 - 1923	954275
D	207m NE	Burial Ground	1918 - 1923	987213
D	213m NE	Burial Ground	1845	912069
E	214m S	Cuttings	1956 - 1978	865848
E	214m S	Cuttings	1985 - 1991	939147
F	214m S	Cuttings	1906 - 1938	924154
G	217m S	Railway Sidings	1906	947546
H	221m NW	Unspecified Commercial/Industrial	1923	849213
I	222m SE	Cuttings	1979	881059
F	222m S	Cuttings	1892	914246
H	225m NW	Unspecified Works	1968	830498
I	225m SE	Cuttings	1954	883532
H	230m NW	Copperas Works	1845	843590
G	235m S	Cuttings	1845	932876
H	241m NW	Refuse Heap	1906	829159
G	263m S	Unspecified Heap	1906 - 1923	938605
G	266m S	Unspecified Heap	1991	804164
G	275m S	Unspecified Ground Workings	1934 - 1938	863473
G	275m S	Unspecified Ground Workings	1892	926168
H	303m NW	Unspecified Works	1918 - 1923	873761
H	303m NW	Unspecified Works	1923	904028
H	303m NW	Unspecified Works	1892	909157
H	303m NW	Unspecified Works	1906	950574
H	303m NW	Chemical Works	1934 - 1938	976028
7	303m SE	Disused Railway Station	1892	810858



ID	Location	Land use	Dates present	Group ID
H	305m NW	Unspecified Works	1968 - 1978	904471
H	308m NW	Chemical Works	1934	882364
J	324m SE	Cuttings	1934	909667
K	327m SE	Cuttings	1989	974387
J	328m SE	Cuttings	1892	956777
J	328m SE	Cuttings	1906 - 1938	978838
H	328m NW	Railway Sidings	1923	875471
K	330m SE	Cutting Works	1954	811500
K	330m SE	Cuttings	1965	876751
K	330m SE	Cuttings	1979	947112
H	331m NW	Refuse Heap	1906 - 1923	945380
H	333m NW	Railway Sidings	1918	849896
H	336m NW	Refuse Heap	1906	991049
H	339m NW	Unspecified Heap	1934 - 1938	902537
H	341m NW	Unspecified Heap	1934	887618
H	361m NW	Unspecified Tank	1968	825252
M	366m SW	Unspecified Works	1934	952556
M	367m SW	Unspecified Works	1906 - 1938	921946
N	377m N	Disused Canal	1979	986571
N	377m N	Disused Canal	1989	988967
9	384m N	Unspecified Heap	1934	804190
H	397m NW	Railway Sidings	1934 - 1938	971163
H	400m NW	Refuse Heap	1892 - 1906	912543
H	402m NW	Unspecified Tank	1918 - 1923	987860
H	403m NW	Refuse Heap	1892	927766
H	403m NW	Unspecified Tanks	1968	898035
H	405m NW	Unspecified Tank	1918 - 1923	985927
H	409m NW	Unspecified Tanks	1934 - 1938	906810



ID	Location	Land use	Dates present	Group ID
H	409m NW	Railway Sidings	1934	981583
P	410m NE	Unspecified Mill	1923	875810
R	416m NW	Unspecified Heap	1956 - 1978	931403
R	419m N	Refuse Heap	1934 - 1938	920165
H	420m NW	Unspecified Tanks	1934 - 1938	907271
R	421m N	Brick Works	1892	818781
R	422m N	Refuse Heap	1934	847077
10	426m NW	Unspecified Depot	1985 - 1991	943714
R	428m N	Unspecified Ground Workings	1892	800751
H	433m NW	Unspecified Works	1918	928010
T	433m NW	Lime Beds	1934 - 1938	975932
T	437m NW	Lime Waste Bed	1934	817101
R	438m N	Unspecified Ground Workings	1892	800754
P	440m NE	Unspecified Mill	1892 - 1918	856086
R	442m N	Railway Sidings	1892	794685
P	444m NE	Unspecified Mill	1934	990818
11	448m NW	Refuse Heap	1968	829160
U	450m SE	Railway Sidings	1923 - 1965	900719
U	451m SE	Railway Sidings	1918	857612
U	453m SE	Railway Sidings	1892	844831
V	453m SE	Cuttings	1934	975910
V	455m SE	Cuttings	1965 - 1979	866975
V	455m SE	Cuttings	1954	945698
V	455m SE	Cuttings	1989	973369
V	456m SE	Cuttings	1934 - 1938	907405
V	456m SE	Cuttings	1892	932615
U	456m SE	Cuttings	1906 - 1938	858972
U	456m SE	Cuttings	1892	905950



ID	Location	Land use	Dates present	Group ID
V	458m SE	Cuttings	1906 - 1923	863590
U	463m SE	Railway Sidings	1934	923130
W	463m NE	Unspecified Commercial/Industrial	1938	947158
H	467m NW	Unspecified Ground Workings	1934 - 1938	972539
R	467m N	Refuse Heap	1918 - 1923	865669
U	474m SE	Unspecified Depot	1989	818433
Y	476m NE	Cotton Mills	1845	890528
Y	477m NE	Cotton Mills	1906	881428
Y	477m NE	Unspecified Mills	1918	968651
Y	479m NE	Unspecified Mills	1923	940456
12	480m NE	Disused Canal	1965	922459
Y	482m NE	Unspecified Mills	1892	891243
Y	482m NE	Unspecified Commercial/Industrial	1934 - 1938	966708
Y	486m NE	Unspecified Works	1965 - 1979	848976
Y	486m NE	Unspecified Commercial/Industrial	1989	858460
W	488m NE	Unspecified Mills	1918 - 1923	883673
W	488m NE	Unspecified Commercial/Industrial	1906	886801
Z	489m SW	Cuttings	1892	846473
Z	489m SW	Cuttings	1906 - 1938	979412
Y	490m NE	Unspecified Commercial/Industrial	1954	870687
Z	490m SW	Cuttings	1934	919502
U	491m SE	Railway Building	1918 - 1923	955843
P	493m NE	Unspecified Works	1965	830501
P	493m NE	Unspecified Commercial/Industrial	1979	876364
P	493m NE	Unspecified Commercial/Industrial	1989	880943
W	496m NE	Unspecified Mill	1934	890860
R	499m N	Unspecified Heap	1892	804188

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

64

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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	22m N	Unspecified Tank	1973	147442
A	22m N	Unspecified Tank	1949	148838
A	23m N	Unspecified Tank	1984	122496
A	23m N	Unspecified Tank	1949	142318
H	242m NW	Unspecified Tank	1973 - 1988	135886
C	243m NW	Unspecified Tank	1949 - 1973	125244
C	251m NW	Unspecified Tank	1933	116431
H	270m NW	Tanks	1973	133530
H	271m NW	Tanks	1984 - 1988	124021
H	282m NW	Tanks	1949	143423
H	283m NW	Tanks	1949	138645
H	284m NW	Tanks	1949	132591
H	285m NW	Tanks	1949 - 1973	147325
H	285m NW	Tanks	1933	132365
H	286m NW	Unspecified Tank	1933	116432
H	301m NW	Unspecified Tank	1949	131854
H	301m NW	Unspecified Tank	1949	142112
H	319m NW	Tanks	1933	107045
H	331m NW	Unspecified Tank	1922	116433
H	339m NW	Tanks	1949	137517
H	343m NW	Tanks	1949	147635



ID	Location	Land use	Dates present	Group ID
H	344m NW	Unspecified Tank	1922	116174
H	346m NW	Unspecified Tank	1922	116173
H	349m NW	Tanks	1949	138378
H	352m NW	Unspecified Tank	1933	116170
H	353m NW	Tanks	1949	122683
H	357m NW	Unspecified Tank	1949	148411
H	358m NW	Unspecified Tank	1949	124130
H	358m NW	Tanks	1949	138002
H	360m NW	Unspecified Tank	1949	131502
H	361m NW	Unspecified Tank	1949	137815
H	363m NW	Tanks	1949	107046
H	368m NW	Tanks	1949	146800
H	376m NW	Tanks	1949	143615
H	376m NW	Tanks	1949	141284
H	378m NW	Unspecified Tank	1933	116171
H	379m NW	Unspecified Tank	1949 - 1973	122968
H	400m NW	Unspecified Tank	1922 - 1933	126971
H	404m NW	Unspecified Tank	1949	139852
H	404m NW	Unspecified Tank	1949	141972
H	405m NW	Tanks	1922 - 1933	138338
H	406m NW	Tanks	1949	127561
H	406m NW	Tanks	1949	141880
H	408m NW	Unspecified Tank	1949	135917
H	409m NW	Tanks	1949	126159
H	417m NW	Tanks	1949	126491
H	419m NW	Tanks	1933	133652
H	420m NW	Tanks	1949	140803
H	429m NW	Tanks	1949 - 1957	128676



ID	Location	Land use	Dates present	Group ID
H	430m NW	Tanks	1949	130685
H	430m NW	Disused Tank	1949	128692
H	433m NW	Tanks	1933	107044
H	466m NW	Tanks	1949	129865
H	468m NW	Tanks	1909	132206
H	468m NW	Tanks	1933	138527
H	472m W	Unspecified Tank	1988	131877
H	473m W	Unspecified Tank	1999	147222
H	474m W	Unspecified Tank	1987 - 1991	122474
H	477m NW	Unspecified Tank	1949	130857
H	477m NW	Unspecified Tank	1949	137831
H	477m NW	Unspecified Tank	1949	148031
H	478m NW	Unspecified Tank	1957	129048
H	478m NW	Unspecified Tank	1933	116169
H	488m NW	Tanks	1949 - 1957	128519

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

16

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
B	107m SE	Electricity Substation	1983 - 1986	79747
B	108m SE	Electricity Substation	1990	64120
1	127m W	Electricity Substation	1973 - 1991	65160



ID	Location	Land use	Dates present	Group ID
3	170m NW	Electricity Substation	1988	62221
6	294m E	Electricity Substation	1983 - 1990	81265
H	297m NW	Electricity Substation	1949 - 1973	84042
H	299m NW	Electricity Substation	1949 - 1988	73758
8	336m NE	Electricity Substation	1983 - 1990	84723
L	353m NW	Electricity Substation	1973	75111
L	354m NW	Electricity Substation	1984 - 1988	72739
S	424m SW	Electricity Substation	1984 - 1991	66358
S	424m SW	Electricity Substation	1949 - 1973	69420
Q	446m W	Electricity Substation	1979	64329
H	452m W	Electricity Substation	1987 - 1991	68413
Q	465m W	Electricity Substation	1988	75255
Q	466m W	Electricity Substation	1979 - 1999	69629

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

10

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
2	135m E	Garages	1961	27312
4	214m E	Garages	1961	26747
5	259m W	Garage	1973 - 1991	25236
O	387m E	Garages	1961	22891
O	387m E	Garages	1961	24141
Q	413m W	Garage	1957	22214
Q	417m W	Garage	1979	27799
N	423m NE	Garages	1961	25677
X	472m SW	Garage	1991	24934
X	476m SW	Garage	1973	21837

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

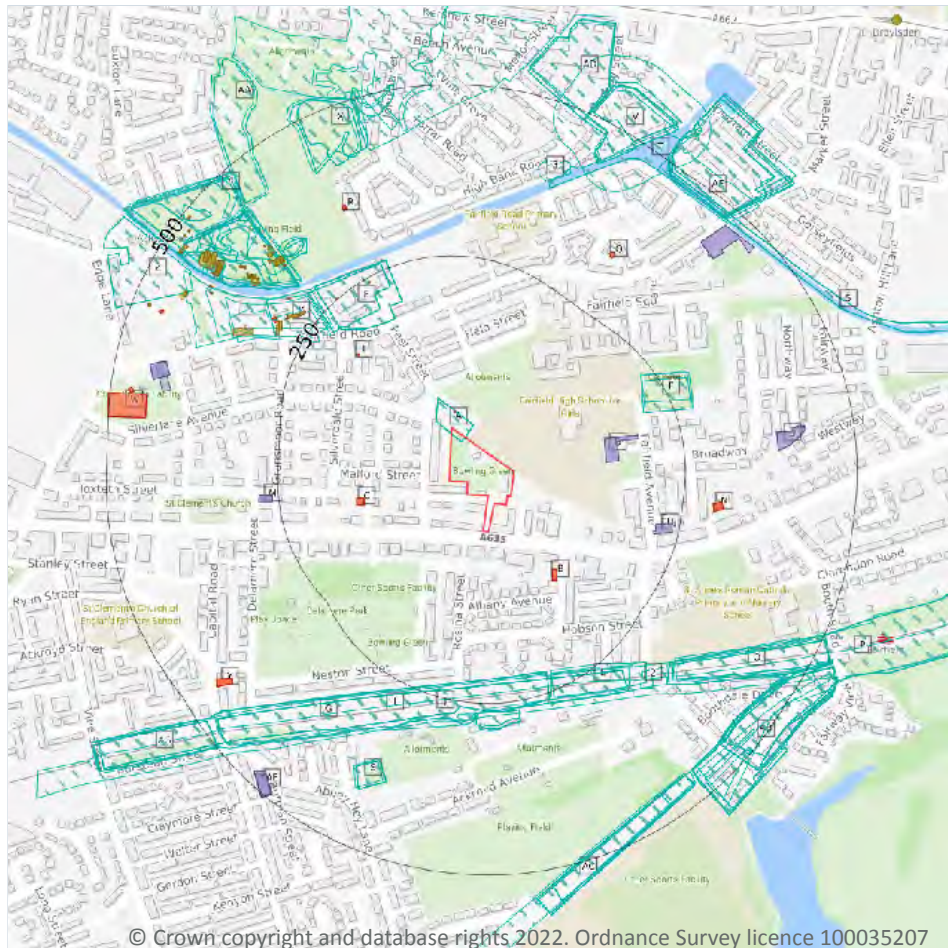
0

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

179

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 23**

ID	Location	Land Use	Date	Group ID
A	On site	Laundry	1906	986544
A	On site	Laundry	1923	986544
A	On site	Laundry	1918	986544

ID	Location	Land Use	Date	Group ID
E	179m NW	Unspecified Works	1985	960351
E	179m NW	Unspecified Works	1978	938652
E	179m NW	Unspecified Works	1991	960351
E	179m NW	Unspecified Works	1968	938652
E	202m NW	Dye Works	1906	833972
E	202m NW	Chemical Works	1923	954275
E	202m NW	Chemical Works	1918	954275
F	207m NE	Burial Ground	1918	987213
F	210m NE	Burial Ground	1923	987213
F	213m NE	Burial Ground	1845	912069
G	214m S	Cuttings	1956	865848
G	214m S	Cuttings	1985	939147
G	214m S	Cuttings	1978	865848
G	214m S	Cuttings	1991	939147
G	214m S	Cuttings	1968	865848
I	214m S	Cuttings	1934	924154
J	217m S	Railway Sidings	1906	947546
K	221m NW	Unspecified Commercial/Industrial	1923	849213
L	222m SE	Cuttings	1979	881059
I	222m S	Cuttings	1923	924154
I	222m S	Cuttings	1918	924154
I	222m S	Cuttings	1938	924154
I	222m S	Cuttings	1934	924154
I	222m S	Cuttings	1906	924154
I	222m S	Cuttings	1892	914246
K	225m NW	Unspecified Works	1968	830498
L	225m SE	Cuttings	1954	883532
K	230m NW	Copperas Works	1845	843590



ID	Location	Land Use	Date	Group ID
J	235m S	Cuttings	1845	932876
K	241m NW	Refuse Heap	1906	829159
J	263m S	Unspecified Heap	1906	938605
J	263m S	Unspecified Heap	1923	938605
J	263m S	Unspecified Heap	1918	938605
J	266m S	Unspecified Heap	1991	804164
J	275m S	Unspecified Ground Workings	1938	863473
J	275m S	Unspecified Ground Workings	1934	863473
J	275m S	Unspecified Ground Workings	1892	926168
K	288m NW	Unspecified Commercial/Industrial	1923	849213
K	303m NW	Unspecified Works	1918	873761
K	303m NW	Chemical Works	1938	976028
K	303m NW	Chemical Works	1934	976028
K	303m NW	Unspecified Works	1906	950574
K	303m NW	Unspecified Works	1892	909157
K	303m NW	Unspecified Works	1923	904028
2	303m SE	Disused Railway Station	1892	810858
K	305m NW	Unspecified Works	1968	904471
K	308m NW	Unspecified Works	1978	904471
K	308m NW	Chemical Works	1934	882364
O	324m SE	Cuttings	1934	909667
P	327m SE	Cuttings	1989	974387
O	328m SE	Cuttings	1923	978838
O	328m SE	Cuttings	1918	978838
O	328m SE	Cuttings	1938	978838
O	328m SE	Cuttings	1934	978838
O	328m SE	Cuttings	1906	978838
O	328m SE	Cuttings	1892	956777



ID	Location	Land Use	Date	Group ID
K	328m NW	Railway Sidings	1923	875471
P	330m SE	Cuttings	1965	876751
P	330m SE	Cuttings	1979	947112
P	330m SE	Cutting Works	1954	811500
K	331m NW	Refuse Heap	1906	945380
K	331m NW	Refuse Heap	1923	945380
K	331m NW	Refuse Heap	1918	945380
K	333m NW	Railway Sidings	1918	849896
K	336m NW	Refuse Heap	1906	991049
K	339m NW	Unspecified Heap	1938	902537
K	339m NW	Unspecified Heap	1934	902537
K	341m NW	Unspecified Heap	1934	887618
K	361m NW	Unspecified Tank	1968	825252
S	366m SW	Unspecified Works	1934	952556
S	367m SW	Unspecified Works	1938	921946
S	367m SW	Unspecified Works	1934	921946
S	367m SW	Unspecified Works	1906	921946
S	367m SW	Unspecified Works	1923	921946
S	367m SW	Unspecified Works	1918	921946
T	377m N	Disused Canal	1979	986571
T	377m N	Disused Canal	1989	988967
3	384m N	Unspecified Heap	1934	804190
K	397m NW	Railway Sidings	1938	971163
K	397m NW	Railway Sidings	1934	971163
K	400m NW	Refuse Heap	1906	912543
K	402m NW	Unspecified Tank	1918	987860
K	402m NW	Unspecified Tank	1923	987860
K	403m NW	Refuse Heap	1892	927766

ID	Location	Land Use	Date	Group ID
K	403m NW	Unspecified Tanks	1968	898035
K	404m NW	Refuse Heap	1892	912543
K	405m NW	Unspecified Tank	1923	985927
K	406m NW	Unspecified Tank	1918	985927
K	409m NW	Unspecified Tanks	1938	906810
K	409m NW	Unspecified Tanks	1934	906810
K	409m NW	Railway Sidings	1934	981583
V	410m NE	Unspecified Mill	1923	875810
X	416m NW	Unspecified Heap	1956	931403
X	416m NW	Unspecified Heap	1978	931403
X	416m NW	Unspecified Heap	1968	931403
X	419m N	Refuse Heap	1938	920165
X	419m N	Refuse Heap	1934	920165
K	420m NW	Unspecified Tanks	1938	907271
K	420m NW	Unspecified Tanks	1934	907271
X	421m N	Brick Works	1892	818781
X	422m N	Refuse Heap	1934	847077
Z	426m NW	Unspecified Depot	1985	943714
Z	426m NW	Unspecified Depot	1991	943714
X	428m N	Unspecified Ground Workings	1892	800751
K	433m NW	Unspecified Works	1918	928010
AA	433m NW	Lime Beds	1938	975932
AA	433m NW	Lime Beds	1934	975932
K	434m NW	Unspecified Works	1923	873761
K	435m NW	Unspecified Works	1892	909157
AA	437m NW	Lime Waste Bed	1934	817101
X	438m N	Unspecified Ground Workings	1892	800754
V	440m NE	Unspecified Mill	1906	856086



ID	Location	Land Use	Date	Group ID
V	440m NE	Unspecified Mill	1918	856086
V	441m NE	Unspecified Mill	1892	856086
X	442m N	Railway Sidings	1892	794685
V	444m NE	Unspecified Mill	1934	990818
4	448m NW	Refuse Heap	1968	829160
AB	450m SE	Railway Sidings	1965	900719
AB	450m SE	Railway Sidings	1954	900719
AB	451m SE	Railway Sidings	1918	857612
AB	453m SE	Railway Sidings	1938	900719
AB	453m SE	Railway Sidings	1934	900719
AB	453m SE	Railway Sidings	1892	844831
AC	453m SE	Cuttings	1934	975910
AB	454m SE	Railway Sidings	1923	900719
AC	455m SE	Cuttings	1965	866975
AC	455m SE	Cuttings	1954	945698
AC	455m SE	Cuttings	1979	866975
AC	455m SE	Cuttings	1989	973369
AC	456m SE	Cuttings	1938	907405
AC	456m SE	Cuttings	1934	907405
AC	456m SE	Cuttings	1892	932615
AB	456m SE	Cuttings	1923	858972
AB	456m SE	Cuttings	1918	858972
AB	456m SE	Cuttings	1938	858972
AB	456m SE	Cuttings	1934	858972
AB	456m SE	Cuttings	1906	858972
AB	456m SE	Cuttings	1892	905950
AC	458m SE	Cuttings	1923	863590
AC	458m SE	Cuttings	1918	863590



ID	Location	Land Use	Date	Group ID
AC	458m SE	Cuttings	1906	863590
AB	463m SE	Railway Sidings	1934	923130
AD	463m NE	Unspecified Commercial/Industrial	1938	947158
K	467m NW	Unspecified Ground Workings	1938	972539
K	467m NW	Unspecified Ground Workings	1934	972539
X	467m N	Refuse Heap	1918	865669
X	468m N	Refuse Heap	1923	865669
AB	474m SE	Unspecified Depot	1989	818433
AF	476m NE	Cotton Mills	1845	890528
AF	477m NE	Cotton Mills	1906	881428
AF	477m NE	Unspecified Mills	1918	968651
AF	479m NE	Unspecified Mills	1923	940456
5	480m NE	Disused Canal	1965	922459
AF	482m NE	Unspecified Mills	1892	891243
AF	482m NE	Unspecified Commercial/Industrial	1938	966708
AF	482m NE	Unspecified Commercial/Industrial	1934	966708
AF	486m NE	Unspecified Works	1965	848976
AF	486m NE	Unspecified Works	1979	848976
AF	486m NE	Unspecified Commercial/Industrial	1989	858460
AD	488m NE	Unspecified Commercial/Industrial	1906	886801
AD	488m NE	Unspecified Mills	1918	883673
AG	489m SW	Cuttings	1923	979412
AG	489m SW	Cuttings	1918	979412
AG	489m SW	Cuttings	1938	979412
AG	489m SW	Cuttings	1934	979412
AG	489m SW	Cuttings	1906	979412
AG	489m SW	Cuttings	1892	846473
AF	490m NE	Unspecified Commercial/Industrial	1954	870687



ID	Location	Land Use	Date	Group ID
AG	490m SW	Cuttings	1934	919502
AB	491m SE	Railway Building	1918	955843
V	493m NE	Unspecified Works	1965	830501
V	493m NE	Unspecified Commercial/Industrial	1979	876364
V	493m NE	Unspecified Commercial/Industrial	1989	880943
AB	494m SE	Railway Building	1923	955843
AD	496m NE	Unspecified Mill	1934	890860
X	499m N	Unspecified Heap	1892	804188

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

90

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

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
A	22m N	Unspecified Tank	1949	148838
A	22m N	Unspecified Tank	1973	147442
A	23m N	Unspecified Tank	1984	122496
A	23m N	Unspecified Tank	1949	142318
K	242m NW	Unspecified Tank	1973	135886
E	243m NW	Unspecified Tank	1949	125244
E	243m NW	Unspecified Tank	1973	125244
K	243m NW	Unspecified Tank	1984	135886
K	243m NW	Unspecified Tank	1988	135886
E	251m NW	Unspecified Tank	1933	116431
K	270m NW	Tanks	1973	133530
K	271m NW	Tanks	1984	124021



ID	Location	Land Use	Date	Group ID
K	271m NW	Tanks	1988	124021
K	282m NW	Tanks	1949	143423
K	283m NW	Tanks	1949	138645
K	284m NW	Tanks	1949	132591
K	285m NW	Tanks	1949	147325
K	285m NW	Tanks	1973	147325
K	285m NW	Tanks	1949	147325
K	285m NW	Tanks	1933	132365
K	286m NW	Unspecified Tank	1933	116432
K	301m NW	Unspecified Tank	1949	131854
K	301m NW	Unspecified Tank	1949	142112
K	319m NW	Tanks	1933	107045
K	331m NW	Unspecified Tank	1922	116433
K	339m NW	Tanks	1949	137517
K	339m NW	Tanks	1949	137517
K	343m NW	Tanks	1949	147635
K	344m NW	Tanks	1949	147635
K	344m NW	Unspecified Tank	1922	116174
K	346m NW	Unspecified Tank	1922	116173
K	349m NW	Tanks	1949	138378
K	352m NW	Unspecified Tank	1933	116170
K	353m NW	Tanks	1949	122683
K	357m NW	Unspecified Tank	1949	148411
K	357m NW	Unspecified Tank	1949	148411
K	358m NW	Unspecified Tank	1949	124130
K	358m NW	Tanks	1949	138002
K	358m NW	Tanks	1949	138002
K	358m NW	Unspecified Tank	1949	124130



ID	Location	Land Use	Date	Group ID
K	360m NW	Unspecified Tank	1949	131502
K	360m NW	Unspecified Tank	1949	131502
K	361m NW	Unspecified Tank	1949	137815
K	362m NW	Unspecified Tank	1949	137815
K	363m NW	Tanks	1949	107046
K	368m NW	Tanks	1949	146800
K	368m NW	Tanks	1949	146800
K	376m NW	Tanks	1949	143615
K	376m NW	Tanks	1949	141284
K	378m NW	Unspecified Tank	1933	116171
K	379m NW	Unspecified Tank	1949	122968
K	379m NW	Unspecified Tank	1949	122968
K	379m NW	Unspecified Tank	1973	122968
K	400m NW	Unspecified Tank	1922	126971
K	400m NW	Unspecified Tank	1933	126971
K	404m NW	Unspecified Tank	1949	139852
K	404m NW	Unspecified Tank	1949	141972
K	405m NW	Tanks	1922	138338
K	405m NW	Tanks	1933	138338
K	406m NW	Tanks	1949	127561
K	406m NW	Tanks	1949	141880
K	408m NW	Unspecified Tank	1949	135917
K	408m NW	Unspecified Tank	1949	135917
K	409m NW	Tanks	1949	126159
K	417m NW	Tanks	1949	126491
K	419m NW	Tanks	1933	133652
K	420m NW	Tanks	1949	140803
K	429m NW	Tanks	1949	128676



ID	Location	Land Use	Date	Group ID
K	430m NW	Tanks	1949	130685
K	430m NW	Disused Tank	1949	128692
K	430m NW	Tanks	1957	128676
K	430m NW	Disused Tank	1949	128692
K	433m NW	Tanks	1933	107044
K	466m NW	Tanks	1949	129865
K	466m NW	Tanks	1949	129865
K	468m NW	Tanks	1909	132206
K	468m NW	Tanks	1933	138527
K	472m W	Unspecified Tank	1988	131877
K	473m W	Unspecified Tank	1999	147222
K	474m W	Unspecified Tank	1991	122474
K	474m W	Unspecified Tank	1987	122474
K	477m NW	Unspecified Tank	1949	137831
K	477m NW	Unspecified Tank	1949	130857
K	477m NW	Unspecified Tank	1949	137831
K	477m NW	Unspecified Tank	1949	148031
K	478m NW	Unspecified Tank	1957	129048
K	478m NW	Unspecified Tank	1933	116169
K	488m NW	Tanks	1949	128519
K	489m NW	Tanks	1949	128519
K	489m NW	Tanks	1957	128519

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

36

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 23**

ID	Location	Land Use	Date	Group ID
B	107m SE	Electricity Substation	1983	79747
B	107m SE	Electricity Substation	1986	79747
B	108m SE	Electricity Substation	1990	64120
C	127m W	Electricity Substation	1973	65160
C	127m W	Electricity Substation	1984	65160
C	127m W	Electricity Substation	1991	65160
1	170m NW	Electricity Substation	1988	62221
N	294m E	Electricity Substation	1983	81265
N	294m E	Electricity Substation	1986	81265
N	295m E	Electricity Substation	1990	81265
K	297m NW	Electricity Substation	1949	84042
K	297m NW	Electricity Substation	1973	84042
K	299m NW	Electricity Substation	1949	73758
K	299m NW	Electricity Substation	1984	73758
K	299m NW	Electricity Substation	1988	73758
Q	336m NE	Electricity Substation	1983	84723
Q	337m NE	Electricity Substation	1990	84723
R	353m NW	Electricity Substation	1973	75111
R	354m NW	Electricity Substation	1984	72739
R	354m NW	Electricity Substation	1988	72739
Y	424m SW	Electricity Substation	1984	66358
Y	424m SW	Electricity Substation	1991	66358
Y	424m SW	Electricity Substation	1973	69420
Y	424m SW	Electricity Substation	1949	69420
Y	424m SW	Electricity Substation	1949	69420
W	446m W	Electricity Substation	1979	64329
W	446m W	Electricity Substation	1979	64329

ID	Location	Land Use	Date	Group ID
K	452m W	Electricity Substation	1988	68413
K	452m W	Electricity Substation	1991	68413
K	452m W	Electricity Substation	1987	68413
W	465m W	Electricity Substation	1988	75255
W	466m W	Electricity Substation	1999	69629
W	466m W	Electricity Substation	1979	69629
W	466m W	Electricity Substation	1979	69629
W	466m W	Electricity Substation	1991	69629
W	466m W	Electricity Substation	1987	69629

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

17

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 23**

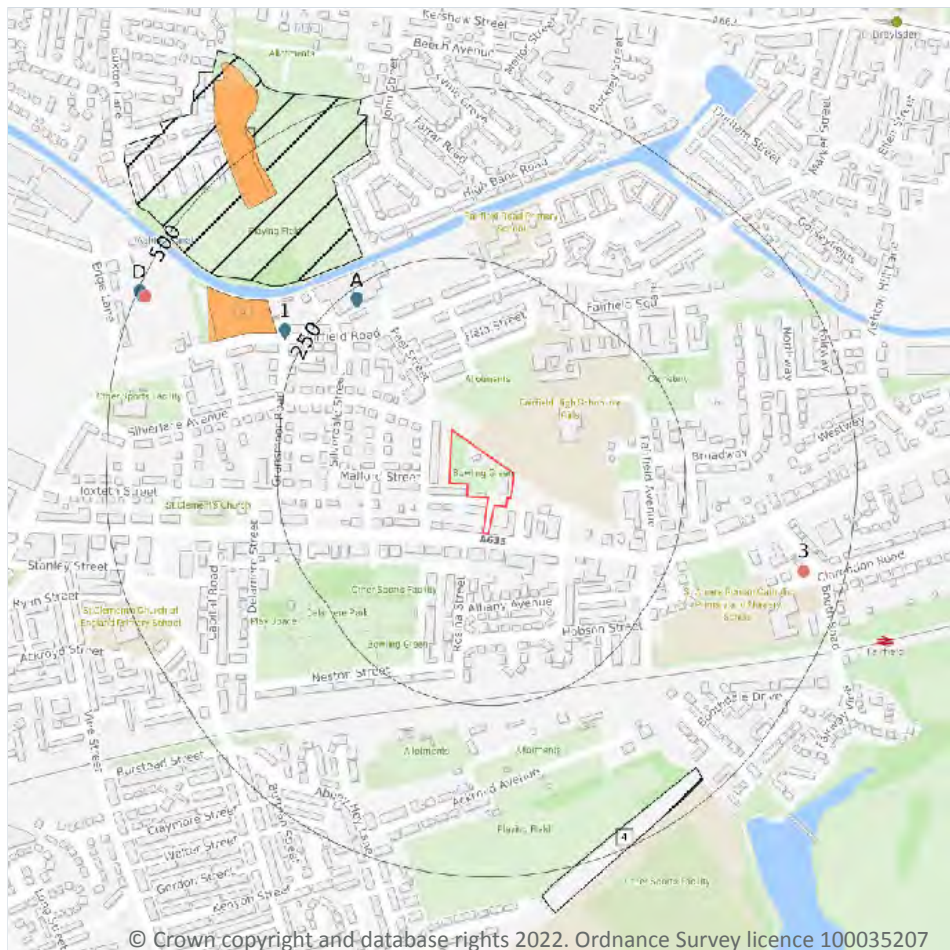
ID	Location	Land Use	Date	Group ID
D	135m E	Garages	1961	27312
D	135m E	Garages	1961	27312
H	214m E	Garages	1961	26747
H	214m E	Garages	1961	26747



ID	Location	Land Use	Date	Group ID
M	259m W	Garage	1973	25236
M	259m W	Garage	1984	25236
M	259m W	Garage	1991	25236
U	387m E	Garages	1961	22891
U	387m E	Garages	1961	24141
W	413m W	Garage	1957	22214
W	417m W	Garage	1979	27799
W	417m W	Garage	1979	27799
T	423m NE	Garages	1961	25677
T	424m NE	Garages	1961	25677
AE	472m SW	Garage	1991	24934
AE	472m SW	Garage	1991	24934
AE	476m SW	Garage	1973	21837

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

2

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

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Details		
2	283m NW	Site Address: Cooperas Lane, Droylsden, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -
4	454m SE	Site Address: Gorton Disused Railway Cutting, Off Abbey Hey Lane, Abbey Hey, Manchester, Greater Manchester Licence Holder Address: -	Waste Licence: Yes Site Reference: F062, 0827 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: NR1/L/SPH001 Licence Issue: 06/03/1996 Licence Surrender: -	Operator: Ruleland Limited Licence Holder: SPH Group First Recorded: - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

5

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

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Address	Further Details	Date
B	289m NW	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	1972
B	290m NW	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	1984
C	427m NW	Site Address: N/A	Type of Site: Lime Waste Bed Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
C	427m NW	Site Address: N/A	Type of Site: Lime Waste Bed Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
C	428m NW	Site Address: N/A	Type of Site: Lime Waste Bed Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1933

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

3.6 Licensed waste sites

Records within 500m	9
----------------------------	----------

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

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Details		
A	233m NW	Site Name: King Tanktechnic Ltd Site Address: 155, Fairfield Road, Droylsden, Manchester, M43 6AR Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIN002 EPR reference: EA/EPR/RP3494CB/A001 Operator: King Tanktechnic Ltd Waste Management licence No: 50443 Annual Tonnage: 5000	Issue Date: 16/06/2006 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	233m NW	Site Name: King Tanktechnic Ltd Site Address: 155, Fairfield Road, Droylsden, Manchester, M43 6AR Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CIT063 EPR reference: EA/EPR/DB3302TT/T001 Operator: City Fuel Services (manchester) Limited Waste Management licence No: 50443 Annual Tonnage: 5000	Issue Date: 16/06/2006 Effective Date: 14/09/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
1	282m NW	Site Name: Manchester Fuel Services Site Site Address: Manchester Fuel Services Site, 155, Fairfield Road, Droylsden, Manchester, M43 6AR Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CIT063 EPR reference: EA/EPR/DB3302TT/V002 Operator: City Fuel Services (Manchester) Ltd Waste Management licence No: 50443 Annual Tonnage: 5000	Issue Date: 16/06/2006 Effective Date: 14/09/2015 Modified: 03/11/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	497m NW	Site Name: Bridge Street Transfer Station Site Address: Bridge House, Bridge Street, Droylsden, Manchester, M43 6SJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMW002 EPR reference: RP3292CW/V002 Operator: A M W (Skip Hire) Ltd Waste Management licence No: 53598 Annual Tonnage: 0	Issue Date: 11/07/1996 Effective Date: 07/06/2005 Modified: 23/09/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	497m NW	Site Name: Bridge Street Transfer Station Site Address: Bridge House, Bridge Street, Droylsden, Manchester, M43 6SJ Correspondence Address: Bridge Street, Droylsden, Manchester, M34 6SJ	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ASH003 EPR reference: - Operator: Ashton & Manchester Waste Executive Ltd Waste Management licence No: 53598 Annual Tonnage: 3906.5	Issue Date: 11/07/1996 Effective Date: 28/09/2002 Modified: 23/09/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	497m NW	Site Name: Bridge Street Transfer Station Site Address: Bridge House, Bridge Street, Droylsden, Manchester, M43 6SJ Correspondence Address: Bridge Street, Droylsden, Manchester, M34 6SJ	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ASH003 EPR reference: - Operator: Ashton & Manchester Waste Executive Ltd Waste Management licence No: 53598 Annual Tonnage: 3906.5	Issue Date: 11/07/1996 Effective Date: 28/09/2002 Modified: 23/09/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	497m NW	Site Name: Bridge Street Transfer Station Site Address: Bridge House, Bridge Street, Droylsden, Manchester, M43 6SJ Correspondence Address: Bridge House, Bridge Street, Droylsden, Manchester, M43 6SJ	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMW002 EPR reference: - Operator: A M W (Skip Hire) Limited Waste Management licence No: 53598 Annual Tonnage: 3906	Issue Date: 11/07/1996 Effective Date: 07/06/2005 Modified: 23/09/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	497m NW	Site Name: Bridge Street Transfer Station Site Address: Bridge House, Bridge Street, Droylsden, Manchester, M43 6SJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMW002 EPR reference: EA/EPR/RP3292CW/V002 Operator: A M W (Skip Hire) Ltd Waste Management licence No: 53598 Annual Tonnage: 42146.25	Issue Date: 11/07/1996 Effective Date: 07/06/2005 Modified: 23/09/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
D	497m NW	Site Name: Bridge Street Transfer Station Site Address: Bridge House, Bridge Street, Droylsden, Manchester, M43 6SJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMW002 EPR reference: EA/EPR/RP3292CW/V002 Operator: A M W (Skip Hire) Ltd Waste Management licence No: 53598 Annual Tonnage: 42146.25	Issue Date: 11/07/1996 Effective Date: 07/06/2005 Modified: 23/09/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked

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



3.7 Waste exemptions

Records within 500m

3

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

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Site	Reference	Category	Sub-Category	Description
3	440m E	npa - Golf Course 2m From Fairfield Golf & Sailing Club, Boothdale King's Road MANCHESTER M34 5QA	EPR/AF0234V A/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
D	487m NW	-	WEX191991	Using waste exemption	Not on a farm	Use of waste in construction
D	487m NW	-	WEX191991	Treating waste exemption	Not on a farm	Screening and blending of waste

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



4 Current industrial land use



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

4.1 Recent industrial land uses

Records within 250m

7

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Company	Address	Activity	Category
1	77m NW	Telephone Exchange	Greater Manchester, M43	Telecommunications Features	Infrastructure and Facilities
2	114m SE	Electricity Sub Station	Greater Manchester, M11	Electrical Features	Infrastructure and Facilities
4	140m W	Electricity Sub Station	Greater Manchester, M11	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
B	170m NW	Electricity Sub Station	Greater Manchester, M43	Electrical Features	Infrastructure and Facilities
A	170m E	Essar	1555-1571, Ashton Old Road, Manchester, Greater Manchester, M11 1GR	Petrol and Fuel Stations	Road and Rail
B	216m NW	City Fuel Services Ltd	155, Fairfield Road, Droylsden, Manchester, Greater Manchester, M43 6AX	Recycling, Reclamation and Disposal	Recycling Services
B	225m NW	Works	Greater Manchester, M43	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Company	Address	LPG	Status
A	152m SE	UNBRANDED	1559, Ashton Old Road, Openshaw, Manchester, Greater Manchester, M11 1GR	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m**0**

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Address	Details	
A	150m SE	St Anne's Service Station, 1559-1571 Ashton Old Road, Openshaw, M11 1GR	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

12

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 44**



ID	Location	Address	Details	
A	214m E	ASHTON OLD RD MANSHAW ST CSO 281CD, ASHTON OLD ROAD, DROYLSDEN, MANCHESTER, GREATER MANCHESTER, M43 6TT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0204 Permit Version: 1 Receiving Water: MOSS BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
A	214m E	ASHTON OLD RD MANSHAW ST CSO 281CD, ASHTON OLD ROAD, DROYLSDEN, MANCHESTER, GREATER MANCHESTER, M43 6TT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0204 Permit Version: 2 Receiving Water: MOSS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016
A	216m E	ASHTON OLD RD MANSHAW ST CSO 281CD, ASHTON OLD ROAD, DROYLSDEN, MANCHESTER, GREATER MANCHESTER, M43 6TT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0204 Permit Version: 3 Receiving Water: MOSS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 10/04/2018
A	216m E	ASHTON OLD RD MANSHAW ST CSO 281CD, ASHTON OLD ROAD, DROYLSDEN, MANCHESTER, GREATER MANCHESTER, M43 6TT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0204 Permit Version: 4 Receiving Water: MOSS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 11/04/2018 Effective Date: 11/04/2018 Revocation Date: -
C	233m SE	HARTSHEAD CLOSE/MANSHAW ROAD CSO, 22 HARTSHEAD CLOSE, AUDENSHAW, MANCHESTER, GREATER MANCHESTER, M11 1HG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0203 Permit Version: 1 Receiving Water: MOSS BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
C	233m SE	HARTSHEAD CLOSE/MANSHAW ROAD CSO, 22 HARTSHEAD CLOSE, AUDENSHAW, MANCHESTER, GREATER MANCHESTER, M11 1HG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0203 Permit Version: 2 Receiving Water: MOSS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016
C	233m SE	HARTSHEAD CLOSE/MANSHAW ROAD CSO, 22 HARTSHEAD CLOSE, AUDENSHAW, MANCHESTER, GREATER MANCHESTER, M11 1HG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0203 Permit Version: 3 Receiving Water: MOSS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 08/01/2020



ID	Location	Address	Details	
C	237m SE	HARTSHEAD CLOSE/MANSHAW ROAD CSO, 22 HARTSHEAD CLOSE, AUDENSHAW, MANCHESTER, GREATER MANCHESTER, M11 1HG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0203 Permit Version: 4 Receiving Water: CULVERTED SECTION MOSS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 09/01/2020 Effective Date: 09/01/2020 Revocation Date: -
C	263m SE	MANCHESTER RD/FAIRFIELD, STOCKPORT, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01TAM0058 Permit Version: 1 Receiving Water: GORE BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 25/10/1995
5	268m SE	HOBSON ST/MANSHAW RD, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0210 Permit Version: 1 Receiving Water: MOSS BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 25/10/1995
E	322m SE	MANSHAW ROAD CSO, OPPOSITE 16 MANSHAW ROAD, AUDENSHAW, MANCHESTER, GREATER MANCHESTER, M11 1HS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982836 Permit Version: 2 Receiving Water: MOSS BROOK VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 24/01/2020 Effective Date: 24/01/2020 Revocation Date: -
E	324m SE	MANSHAW ROAD CSO, OPPOSITE 16 MANSHAW ROAD, AUDENSHAW, MANCHESTER, GREATER MANCHESTER, M11 1HS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982836 Permit Version: 1 Receiving Water: MOSS BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 03/01/1995 Revocation Date: 23/01/2020

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

4

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 44**

ID	Location	Details	
3	138m W	Incident Date: 19/04/2002 Incident Identification: 73072 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	312m S	Incident Date: 18/03/2002 Incident Identification: 64700 Pollutant: General Biodegradable Materials and Wastes: Specific Waste Materials Pollutant Description: Vegetable Cuttings and Deposits: Containers	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

ID	Location	Details	
D	312m S	Incident Date: 18/03/2002 Incident Identification: 64700 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	312m S	Incident Date: 18/03/2002 Incident Identification: 64700 Pollutant: Specific Waste Materials Pollutant Description: Containers	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

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

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

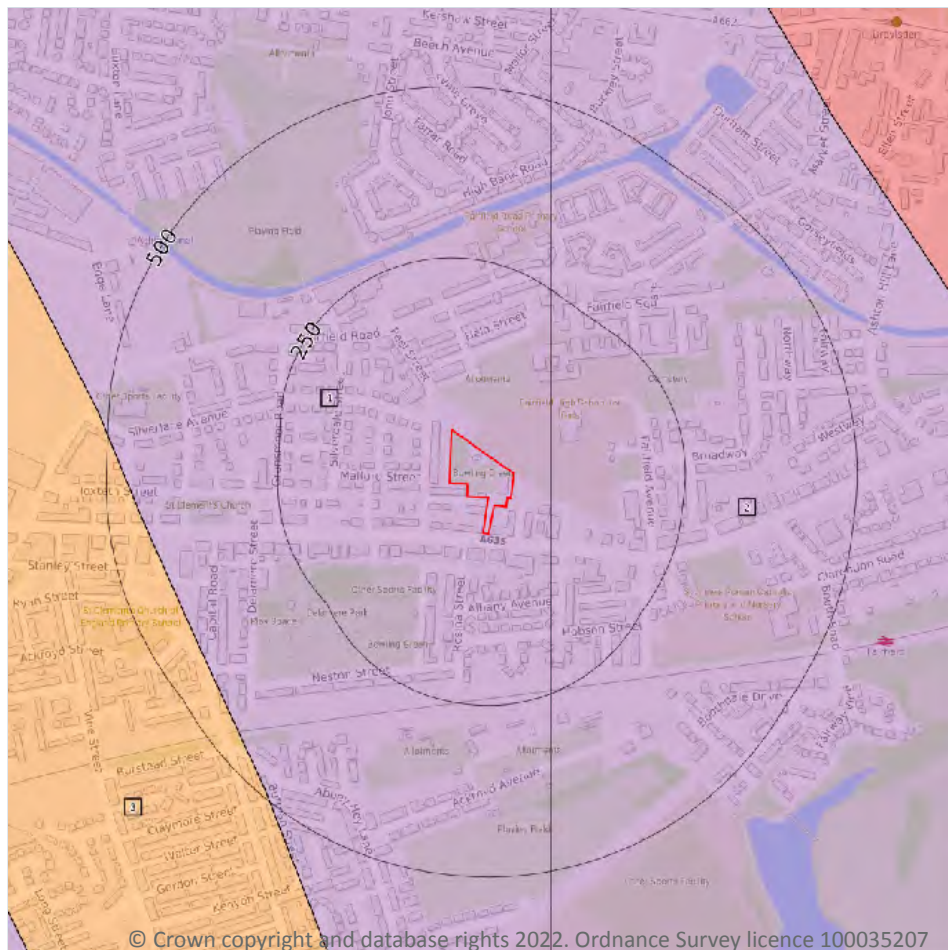
Features are displayed on the Hydrogeology map on **page 52**

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	54m E	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 54**

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	54m E	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

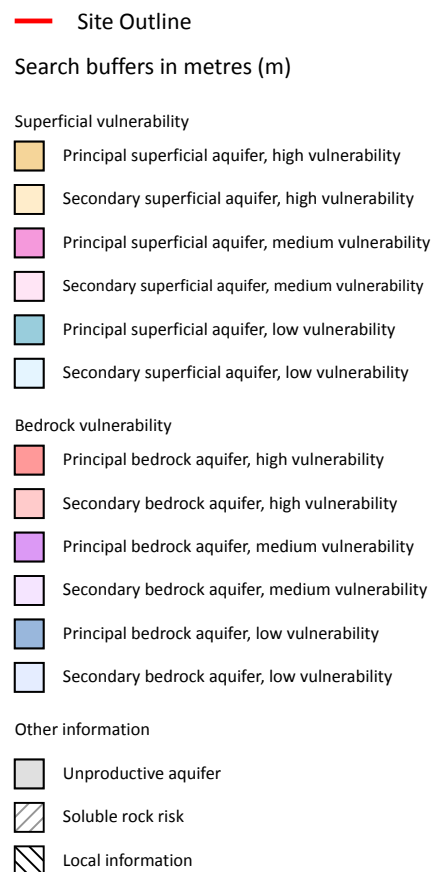
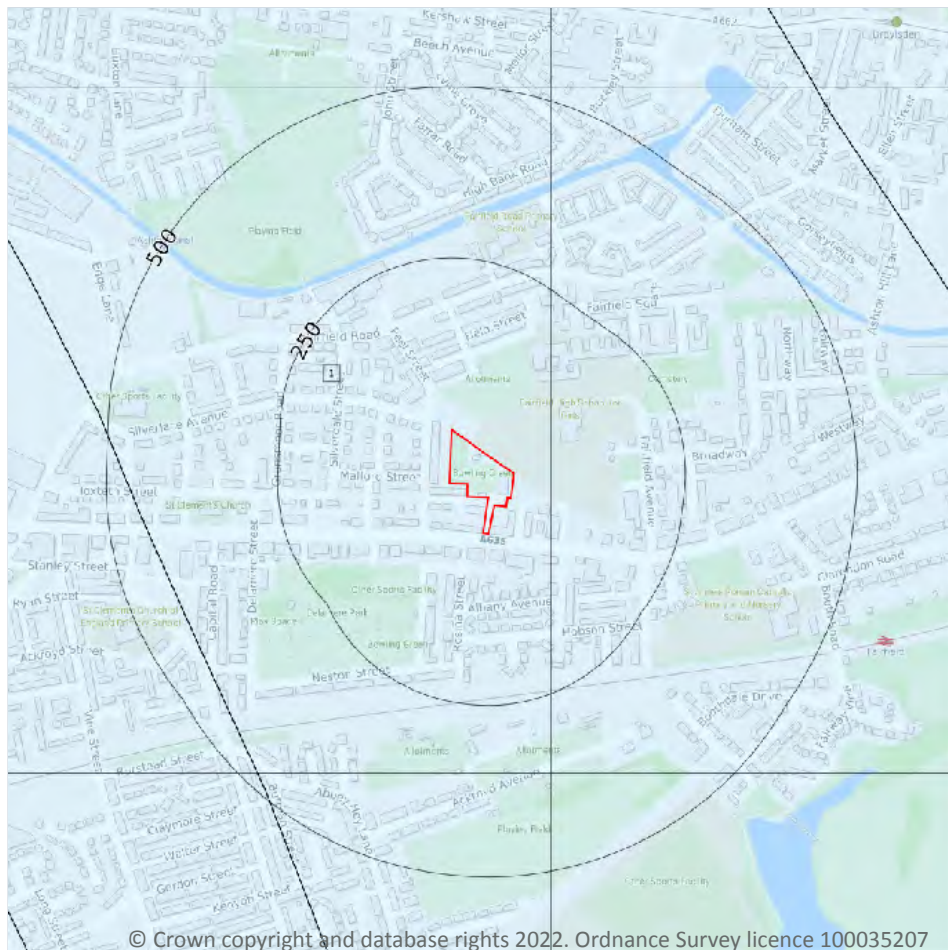


ID	Location	Designation	Description
3	430m SW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

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

1

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

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

Features are displayed on the Groundwater vulnerability map on **page 56**

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

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

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

5.5 Groundwater vulnerability- local information

Records on site	0
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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

11

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 58**

ID	Location	Details	
-	1199m SE	Status: Historical Licence No: NW/069/0013/001 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: DENTON GOLF CLUB BOREHOLE Data Type: Point Name: The Denton Golf Club Limited Easting: 390716 Northing: 396461	Annual Volume (m ³): 8000 Max Daily Volume (m ³): 127.4 Original Application No: - Original Start Date: 27/08/2009 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 27/08/2009 Version End Date: -
-	1199m SE	Status: Active Licence No: NW/069/0013/001/R01 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: DENTON GOLF CLUB BOREHOLE Data Type: Point Name: The Denton Golf Club Limited Easting: 390716 Northing: 396461	Annual Volume (m ³): 8,000 Max Daily Volume (m ³): 127.40 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1901m W	Status: Historical Licence No: 2569006044 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PRESTON STREET, GORTON, MANCHESTER Data Type: Point Name: CEMEX UK MATERIALS LTD Easting: 388030 Northing: 396880	Annual Volume (m ³): 15000 Max Daily Volume (m ³): 115 Original Application No: - Original Start Date: 23/10/2003 Expiry Date: 31/03/2014 Issue No: 3 Version Start Date: 15/10/2007 Version End Date: -
-	1901m W	Status: Active Licence No: NW/069/0004/012 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PRESTON STREET, MANCHESTER Data Type: Point Name: Cemex UK Materials Limited Easting: 388030 Northing: 396880	Annual Volume (m ³): 7,500 Max Daily Volume (m ³): 72 Original Application No: - Original Start Date: 19/06/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 21/12/2018 Version End Date: -
-	1982m W	Status: Historical Licence No: 2569006036 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -



ID	Location	Details	
-	1982m W	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1982m W	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1982m W	Status: Historical Licence No: 2569006036 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1982m W	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): 372772 Max Daily Volume (m ³): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -

ID	Location	Details	
-	1982m W	Status: Historical Licence No: 2569006036 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): 372772 Max Daily Volume (m ³): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1986m NW	Status: Active Licence No: 2569006036 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 388027 Northing: 398277	Annual Volume (m ³): 372,772 Max Daily Volume (m ³): 3,600.50 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

4

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 58**

ID	Location	Details	
A	643m SE	Status: Historical Licence No: 2569006039 Details: Spray Irrigation - Direct Direct Source: "Surface, Non-Tidal - North West Region" Point: "UPPER GORTON RESERVOIR, AUDENSHAW, MANCHESTER" Data Type: Point Name: FAIRFIELD GOLF AND SAILING CLUB Easting: 390450 Northing: 397000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/11/1996 Expiry Date: - Issue No: 100 Version Start Date: 20/11/1996 Version End Date: -



ID	Location	Details	
A	643m SE	Status: Historical Licence No: 2569006039 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UPPER GORTON RESERVOIR, AUDENSHAW, MANCHESTER Data Type: Point Name: FAIRFIELD GOLF AND SAILING CLUB Easting: 390450 Northing: 397000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/11/1996 Expiry Date: - Issue No: 100 Version Start Date: 20/11/1996 Version End Date: -
-	1928m NW	Status: Historical Licence No: 2569006995 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "ASHTON CANAL, MANCHESTER" Data Type: Point Name: BRITISH WATERWAYS Easting: 388100 Northing: 398300	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: -
-	1928m NW	Status: Historical Licence No: 2569006995 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER Data Type: Point Name: Canal and River Trust Easting: 388100 Northing: 398300	Annual Volume (m ³): 68,190 Max Daily Volume (m ³): 68,190 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

0

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

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



5.9 Source Protection Zones

Records within 500m	0
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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
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Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on **page 64**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River	Irwell / Manchester Ship Canal (Irk to confluence with Upper Mers	GB112069061452	Croal Irwell	Irwell

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on **page 64**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	6174m W	River	Irwell / Manchester Ship Canal (Irk to confluence with Upper Mers	GB112069061452	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on **page 64**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Manchester and East Cheshire Permo-Triassic Sandstone Aquifers	<u>GB41201G101100</u>	Poor	Poor	Poor	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

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

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

7.2 Historical Flood Events

Records within 250m**0**

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

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

7.3 Flood Defences

Records within 250m**0**

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

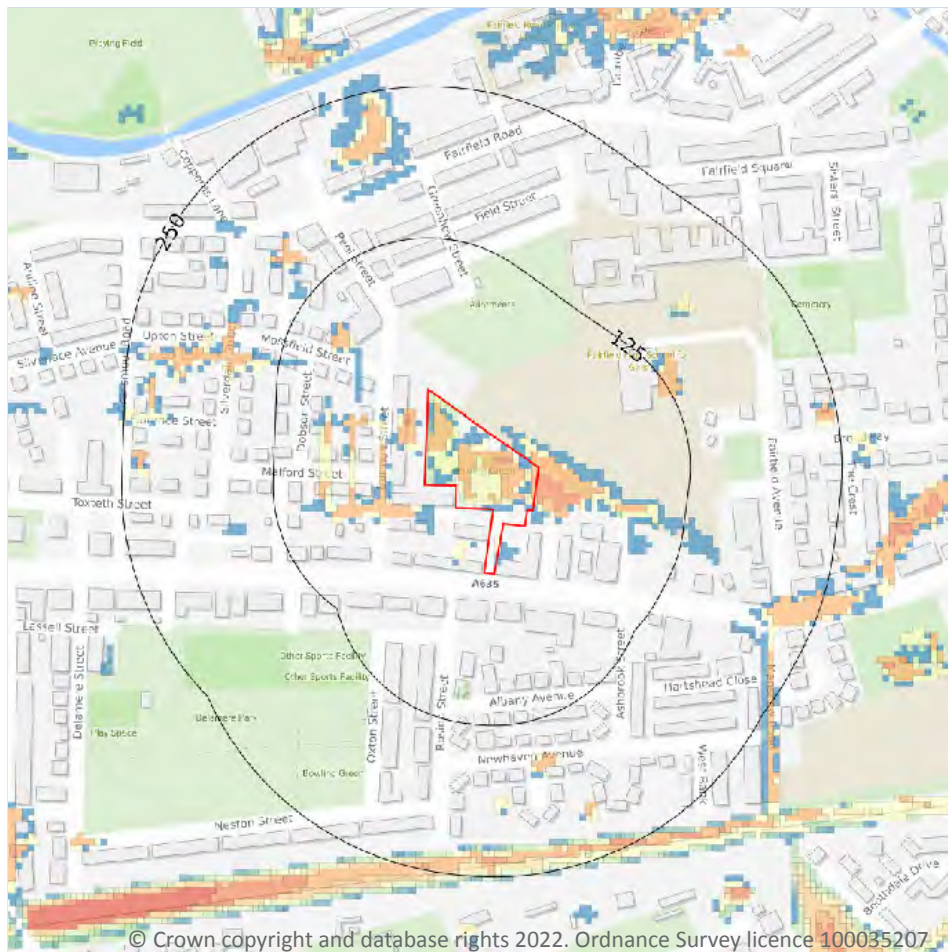
0

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

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

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

1 in 250 return period

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

1 in 100 return period

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

1 in 30 return period

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

8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

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 70**

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

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

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

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

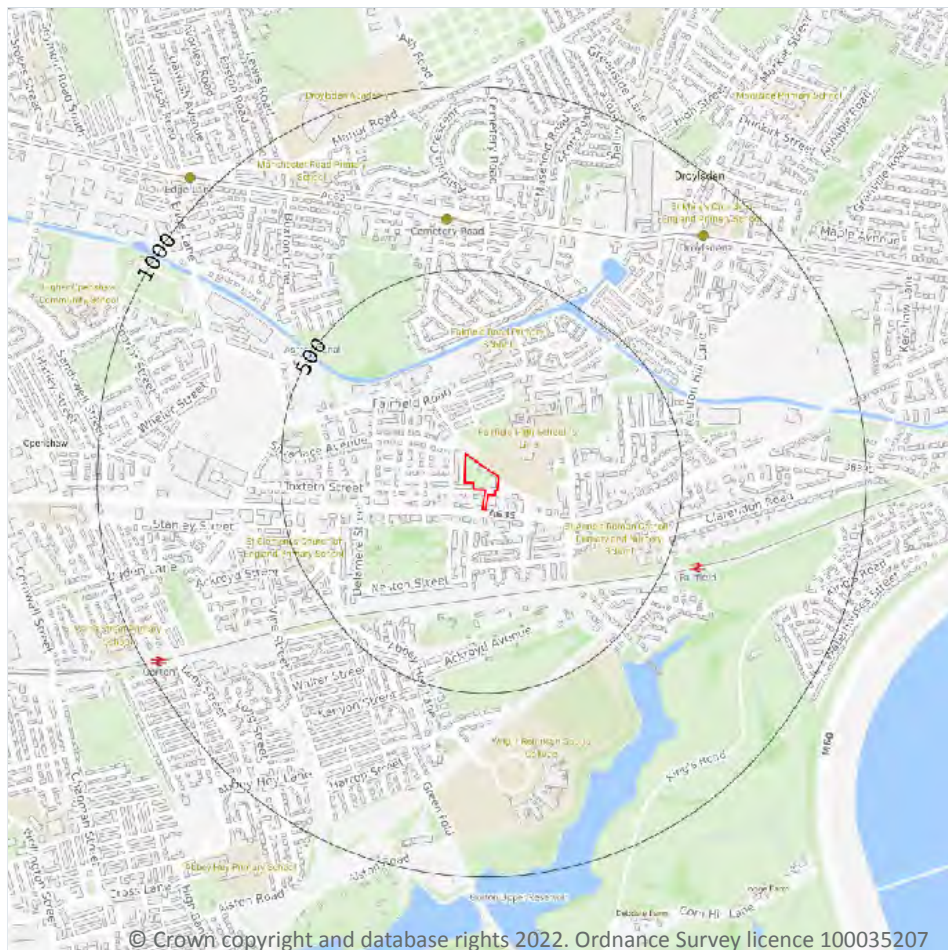
Low

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 72**

This data is sourced from Ambient Risk Analytics.

10 Environmental designations



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

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 73**

ID	Location	Name	Data source
-	1818m NW	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**2**

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

Features are displayed on the Environmental designations map on **page 73**

ID	Location	Name	Local Authority name
-	1577m NE	Merseyside and Greater Manchester	Tameside
-	1819m NW	Merseyside and Greater Manchester	Manchester

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

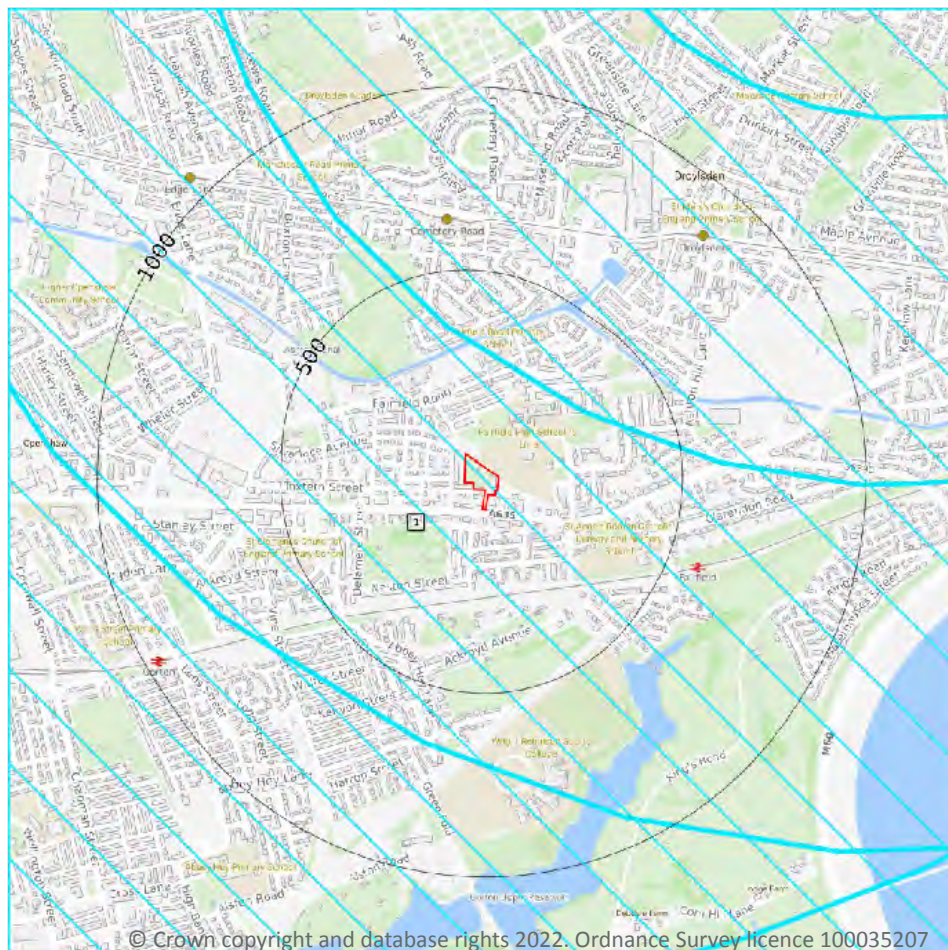
Records within 2000m

0

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

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

SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

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 78**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 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

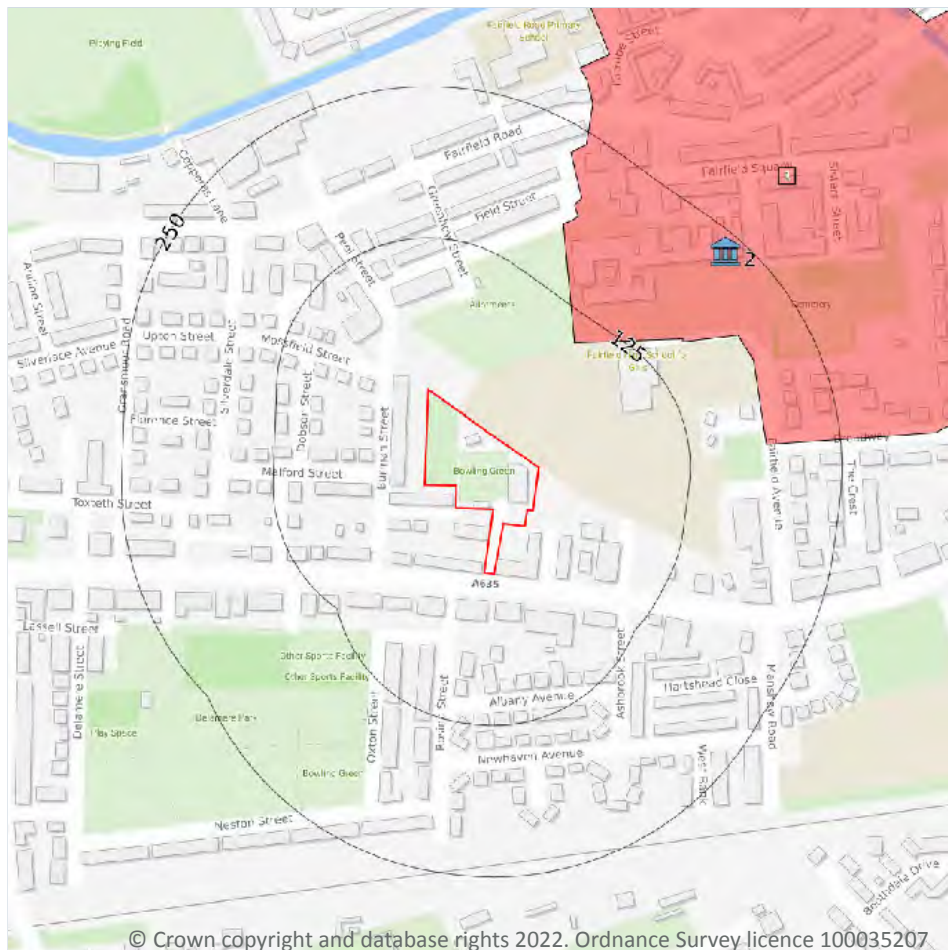
Records within 2000m	0
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management 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

1

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

Features are displayed on the Visual and cultural designations map on **page 80**

ID	Location	Name	Grade	Reference Number	Listed date
2	235m NE	Fairfield High School For Girls, East Block Only, Droylsden, Tameside, M43	II	1067586	14/07/1987

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

11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on **page 80**

ID	Location	Name	District	Date of designation
1	101m NE	Fairfield, Tameside	Tameside	1971

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

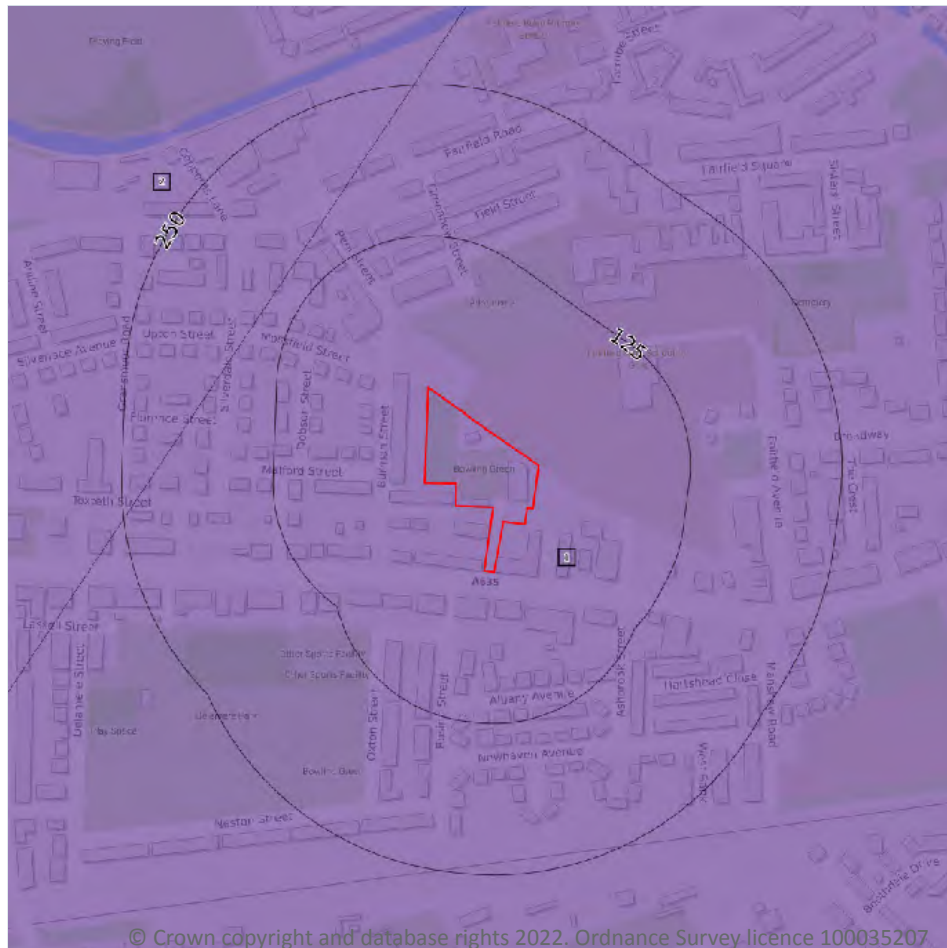
0

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

2

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 83**

ID	Location	Classification	Description
1	On site	Urban	-
2	149m NW	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

9

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 85**

ID	Location	Main Habitat	Other habitats
1	144m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	202m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	213m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	220m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
B	225m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	231m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	238m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	238m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	249m NE	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

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

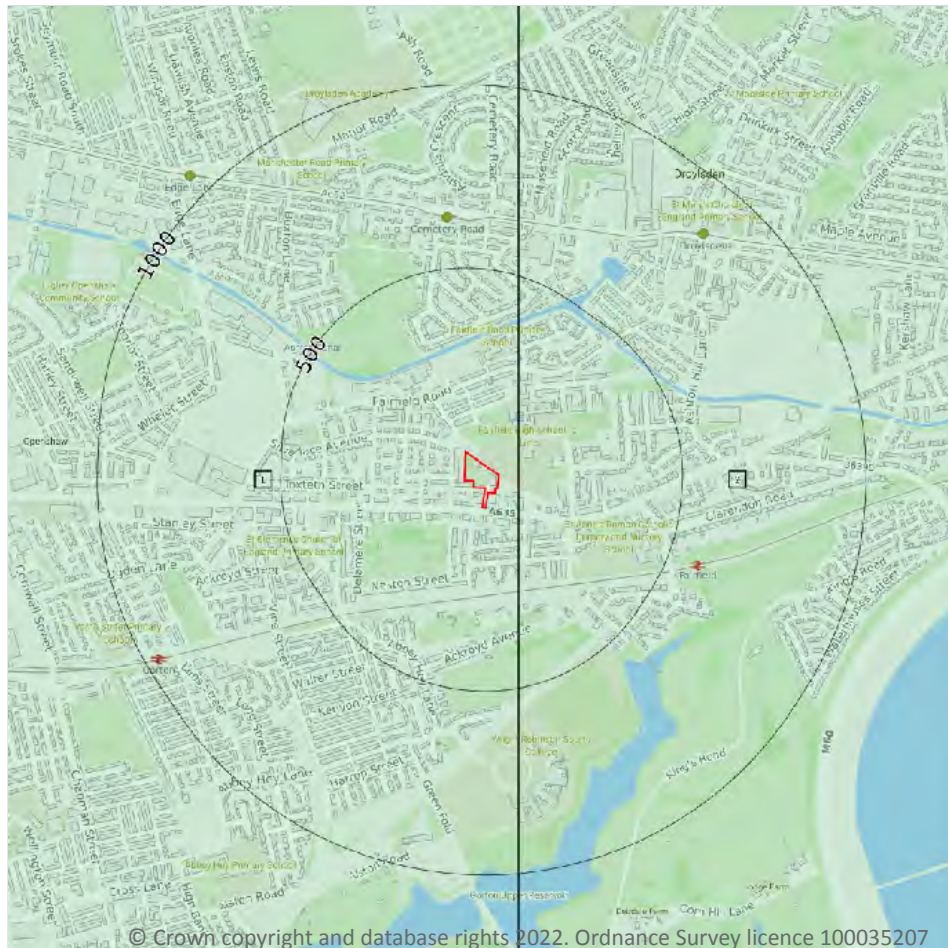
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

2

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

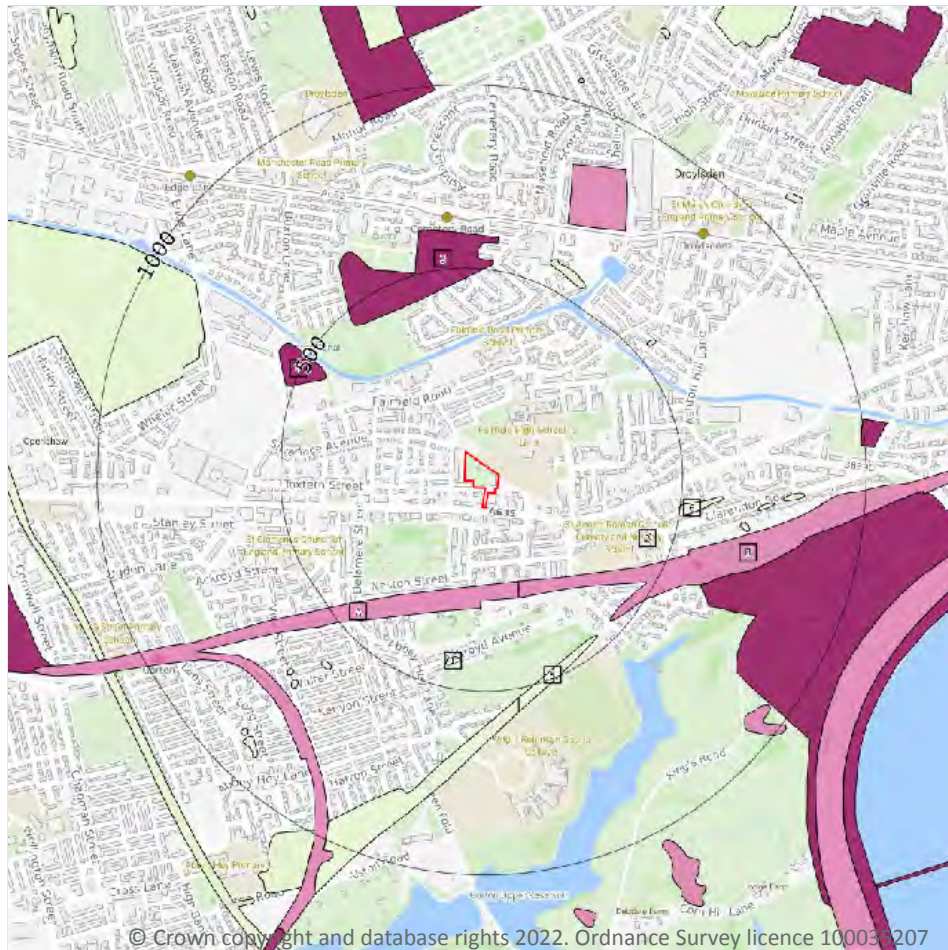
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 87**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SJ89NE
2	54m E	Full	Full	Full	Full	SJ99NW

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

8

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 88**

ID	Location	LEX Code	Description	Rock description
A	209m S	WGR-VOID	Worked Ground (Undivided)	Void
B	220m SE	WGR-VOID	Worked Ground (Undivided)	Void
1	413m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
2	425m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit

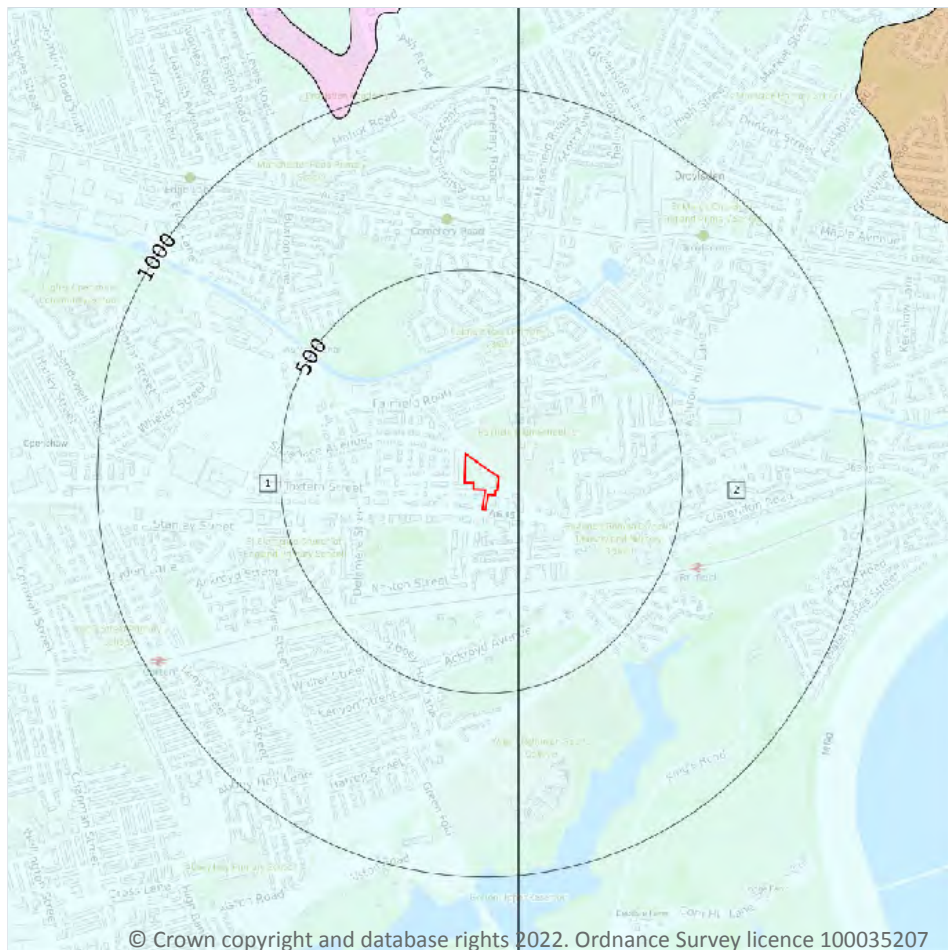


ID	Location	LEX Code	Description	Rock description
3	429m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	431m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	455m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	498m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit

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

2

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 90**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
2	54m E	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

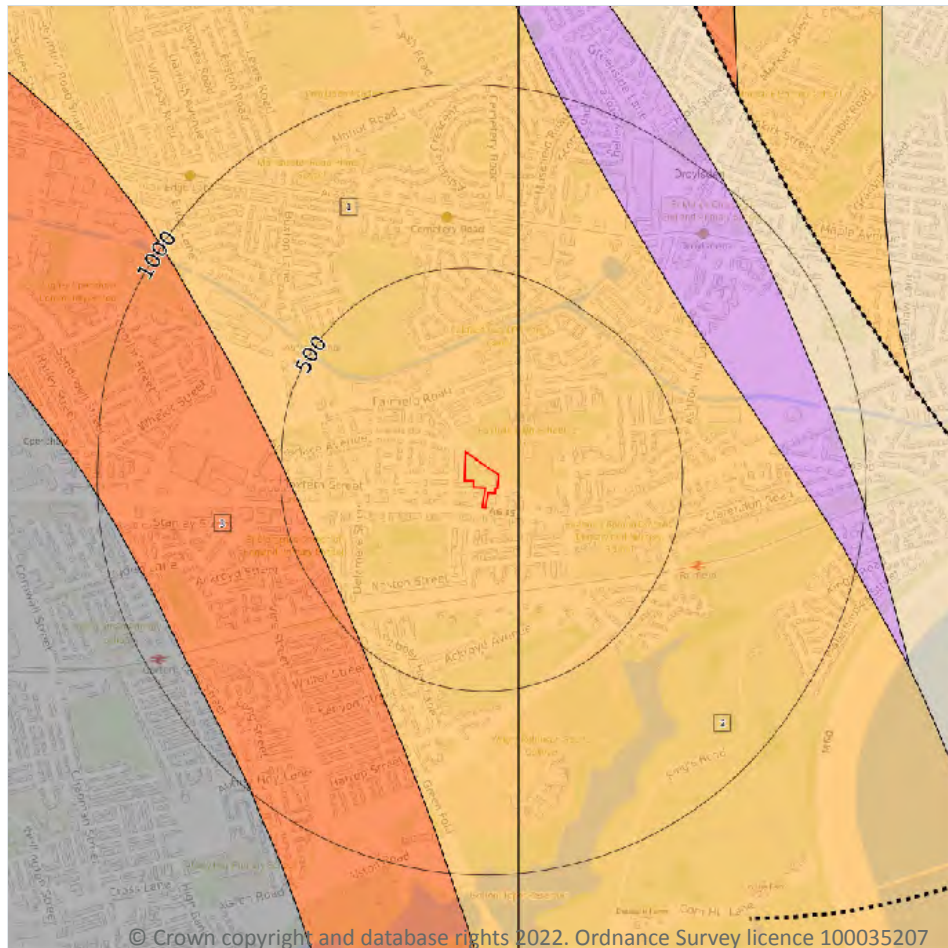
0

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

3

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 92**

ID	Location	LEX Code	Description	Rock age
1	On site	CS-SDST	Collyhurst Sandstone Formation - Sandstone	Cisuralian Epoch
2	54m E	CS-SDST	Collyhurst Sandstone Formation - Sandstone	Cisuralian Epoch
3	435m SW	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

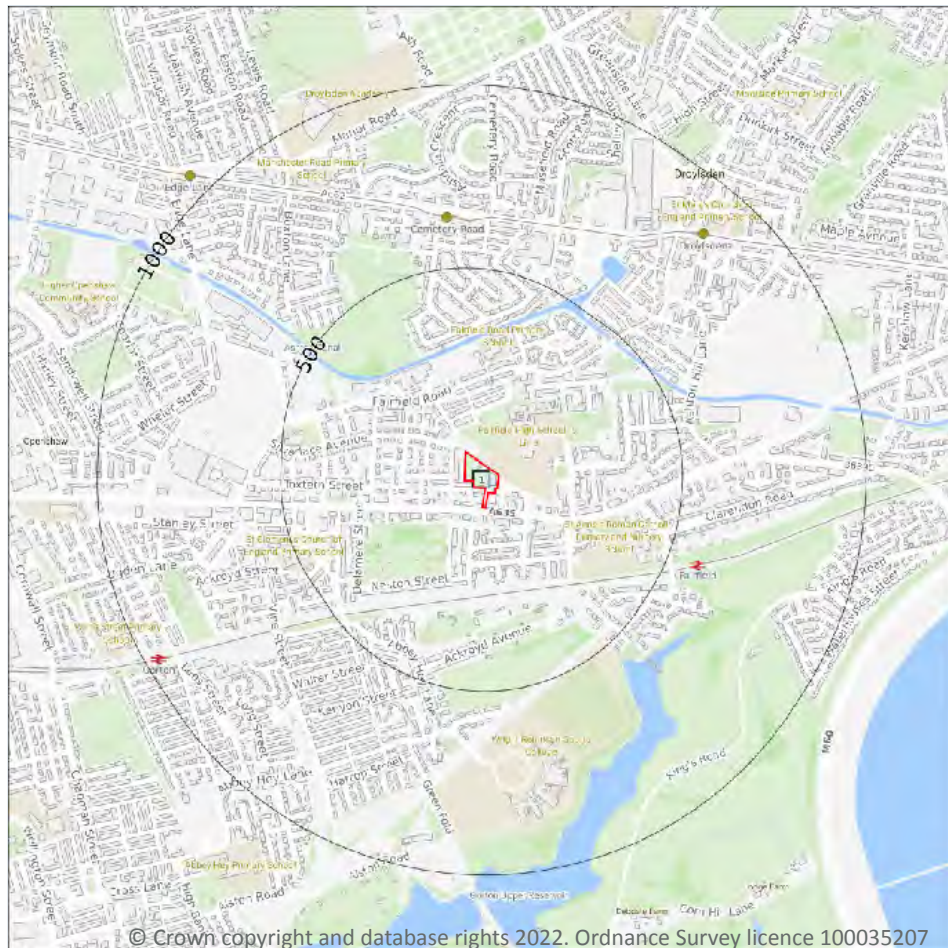
0

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.

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 94**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW085_manchester_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

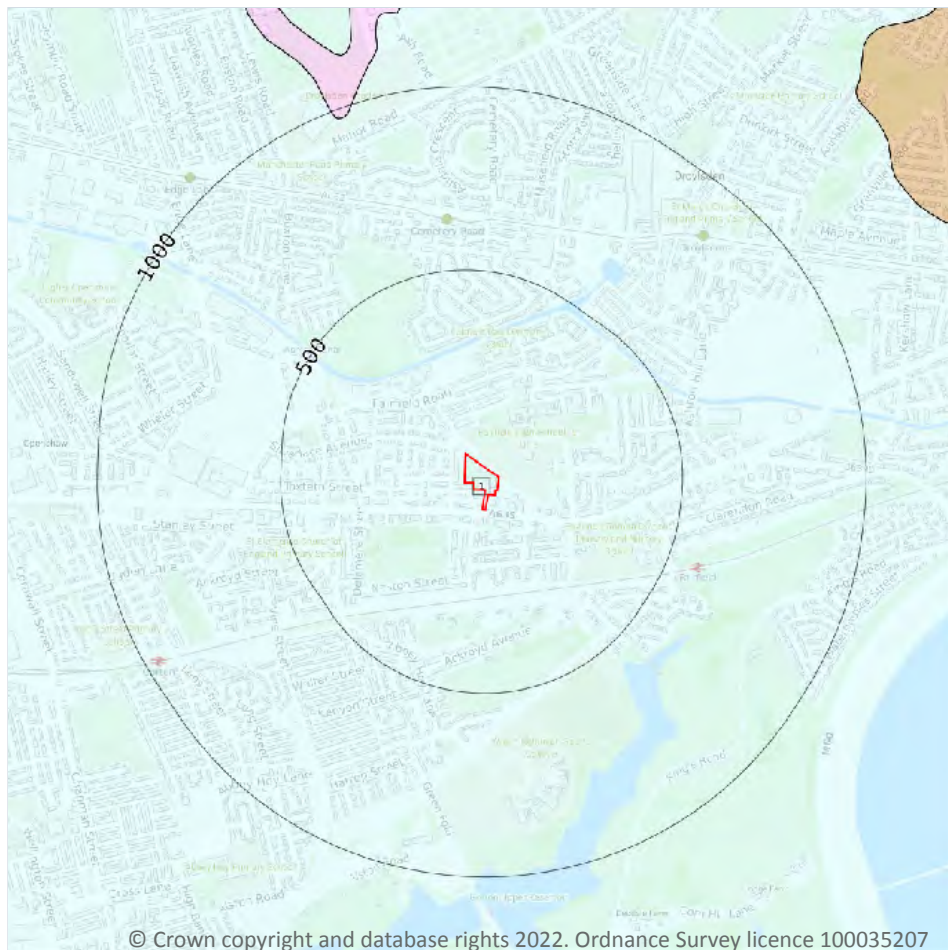
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

1

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 96**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m**1**

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

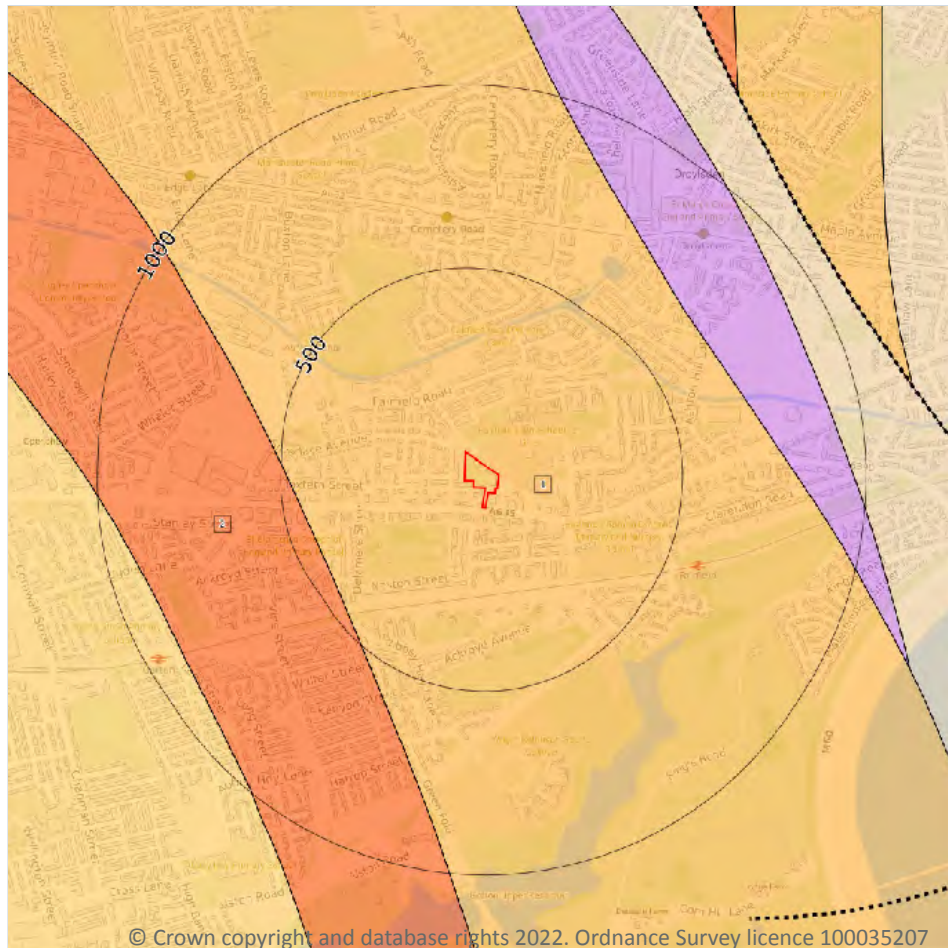
Records within 50m**0**

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 98**

ID	Location	LEX Code	Description	Rock age
1	On site	CS-SDST	COLLYHURST SANDSTONE FORMATION - SANDSTONE	-
2	435m SW	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m**1**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

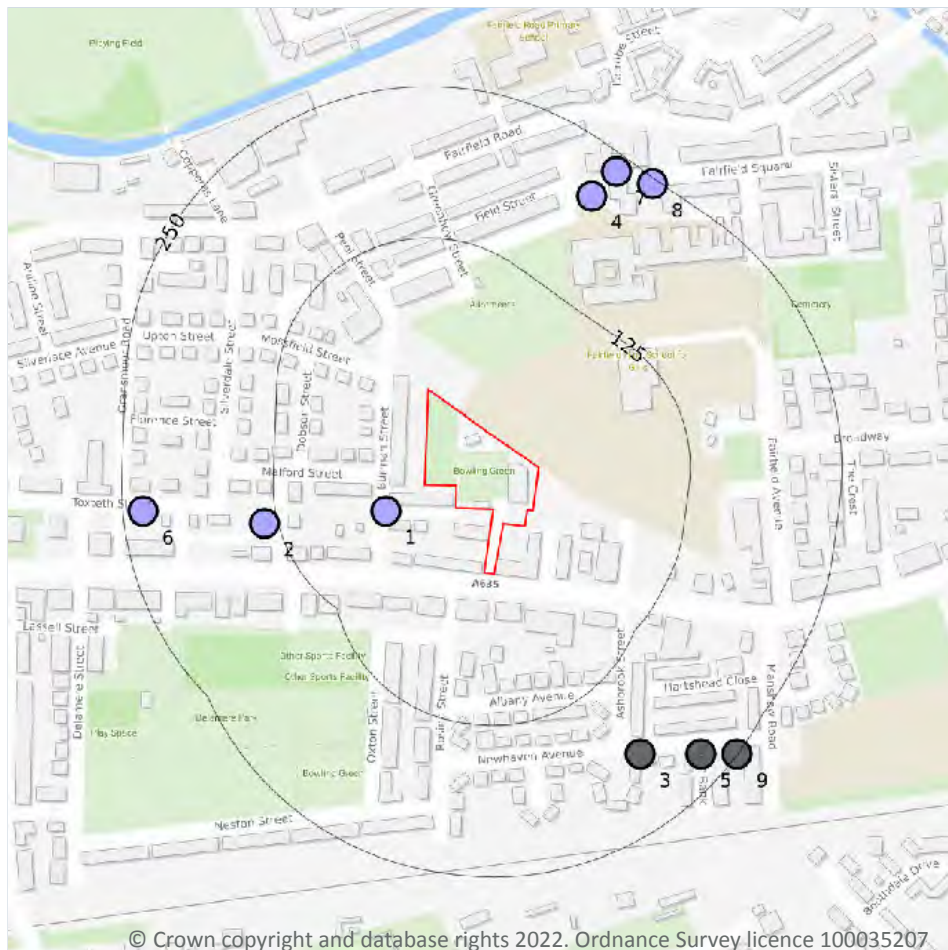
Records within 500m**0**

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.

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

9

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 100**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	39m SW	389820 397400	TOXTETH STREET, SEWER REPLACEMENT 8	5.0	N	15019103
2	136m W	389720 397390	TOXTETH STREET, SEWER REPLACEMENT 7	5.0	N	15019101

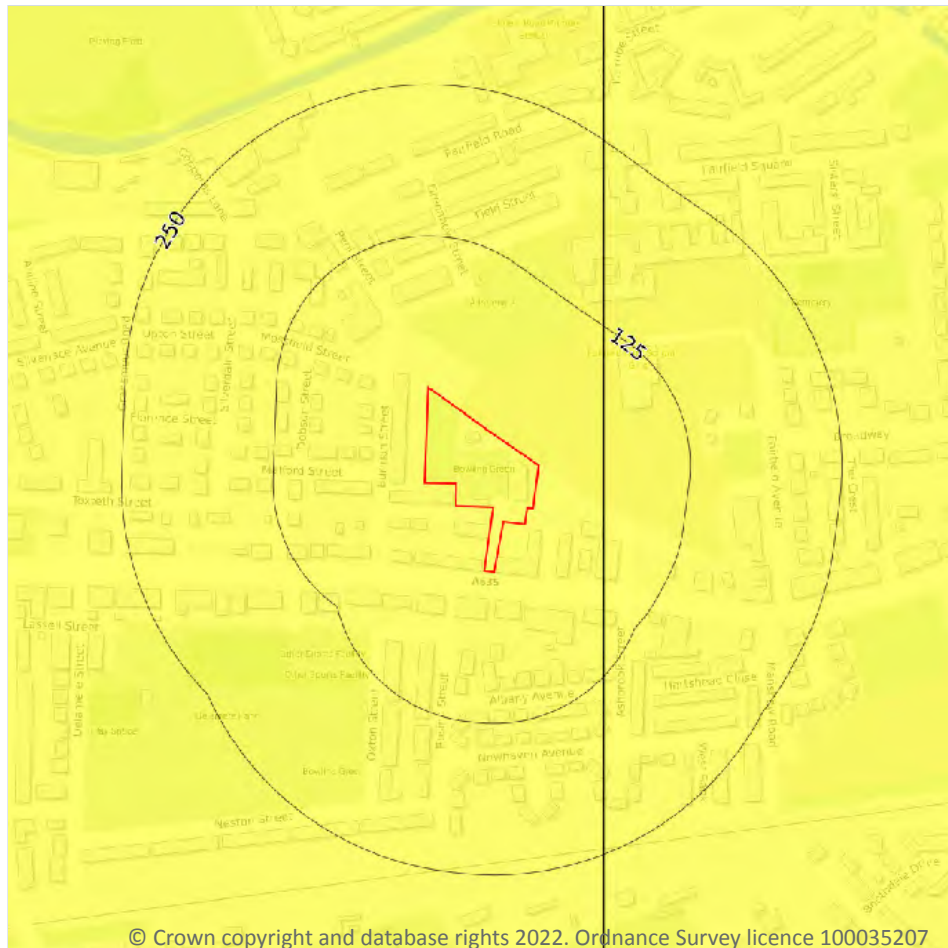


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	191m SE	390030 397200	HOBSON STREET HIGHER OPENSHAW SEWER BH23	-	Y	N/A
4	208m NE	389990 397660	FAIRFIELD COURT DROYLSDEN TP4	3.3	N	936893
5	226m SE	390080 397200	HOBSON STREET HIGHER OPENSHAW SEWER BH22	-	Y	N/A
6	233m W	389620 397400	TOXTETH STREET, SEWER REPLACEMENT 6	5.0	N	15019099
7	236m NE	390010 397680	FAIRFIELD COURT DROYLSDEN TP2	3.0	N	188094
8	246m NE	390040 397670	FAIRFIELD COURT DROYLSDEN TP3	2.5	N	188095
9	250m SE	390110 397200	HOBSON STREET HIGHER OPENSHAW SEWER BH21	-	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).

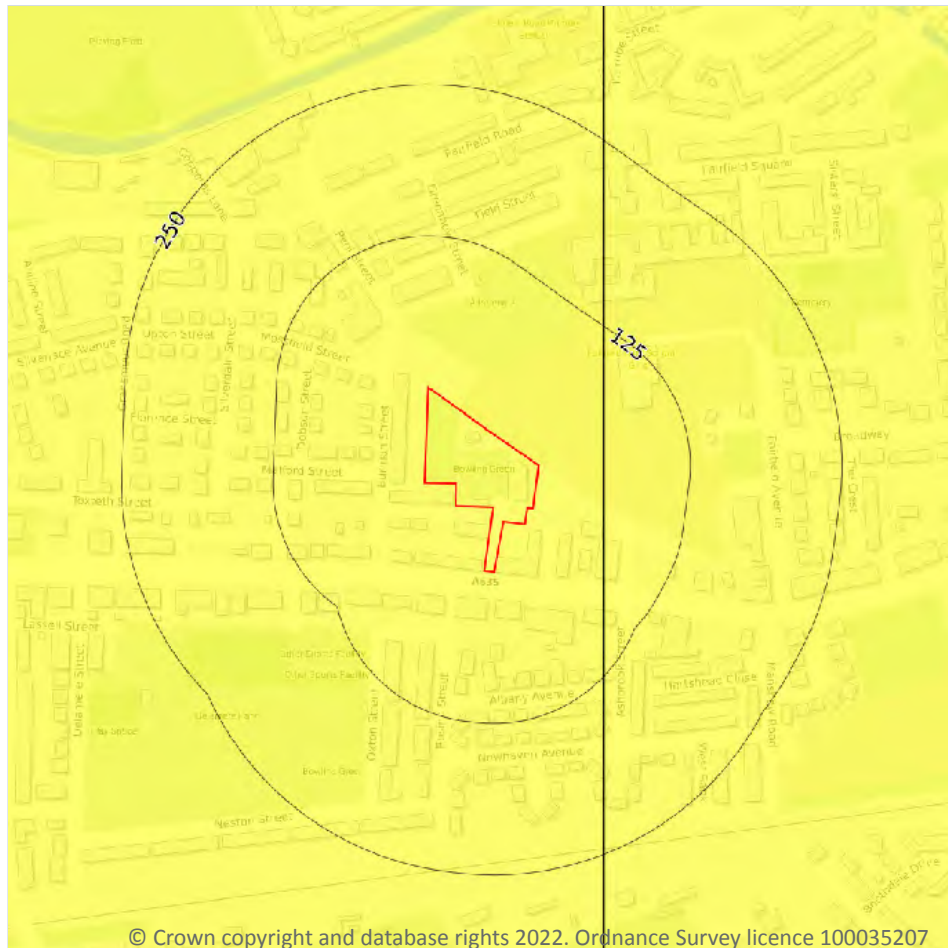
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 102**

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.

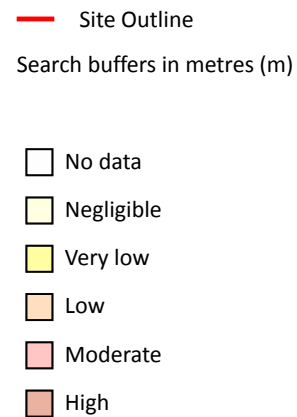
Features are displayed on the Natural ground subsidence - Running sands map on **page 103**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

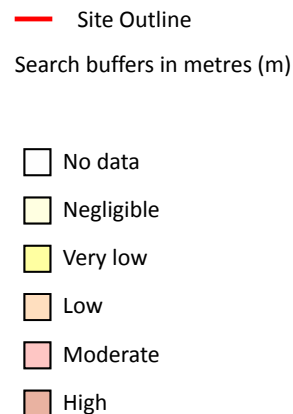
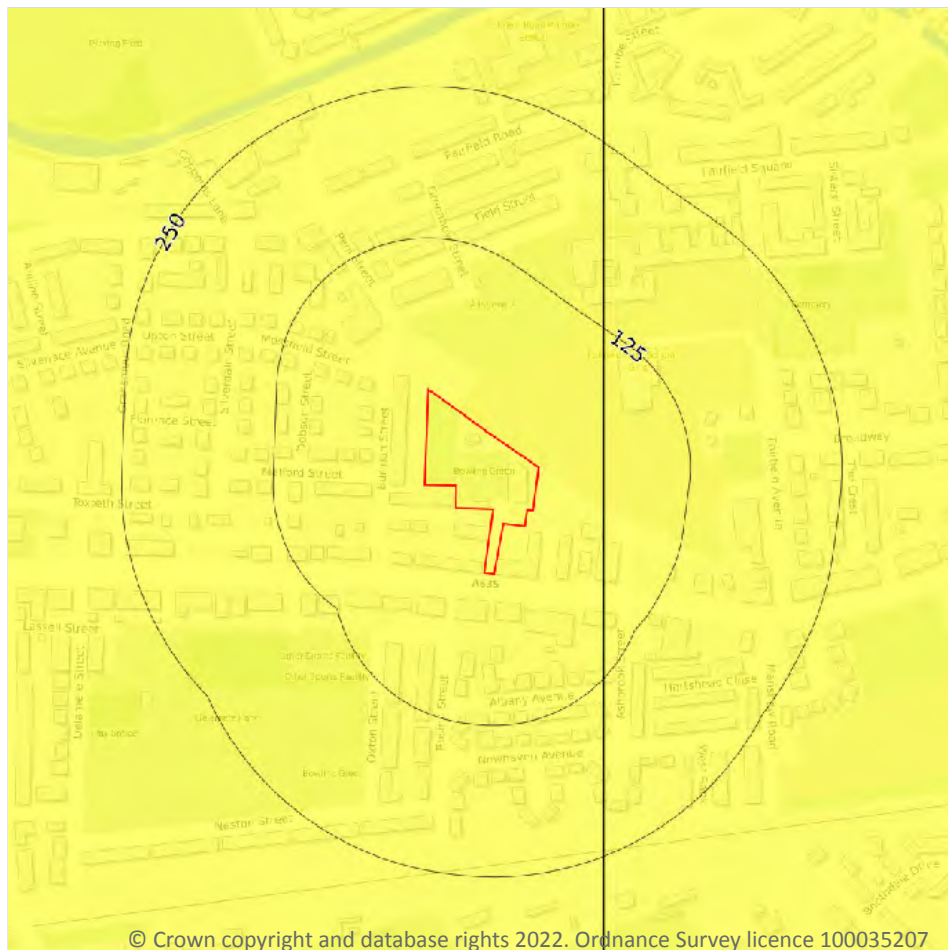
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 104**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

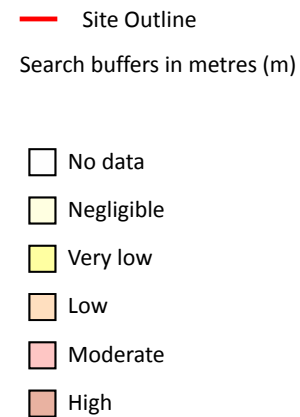
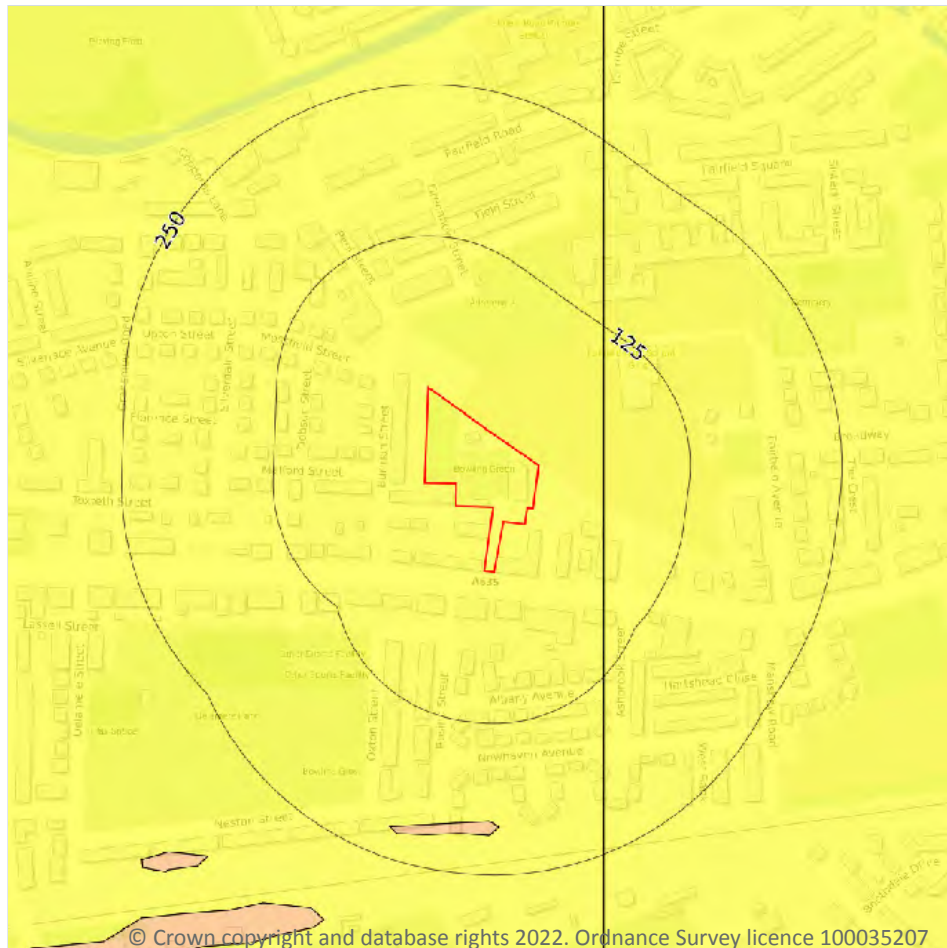
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 105**

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



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 106**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



— Site Outline
Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

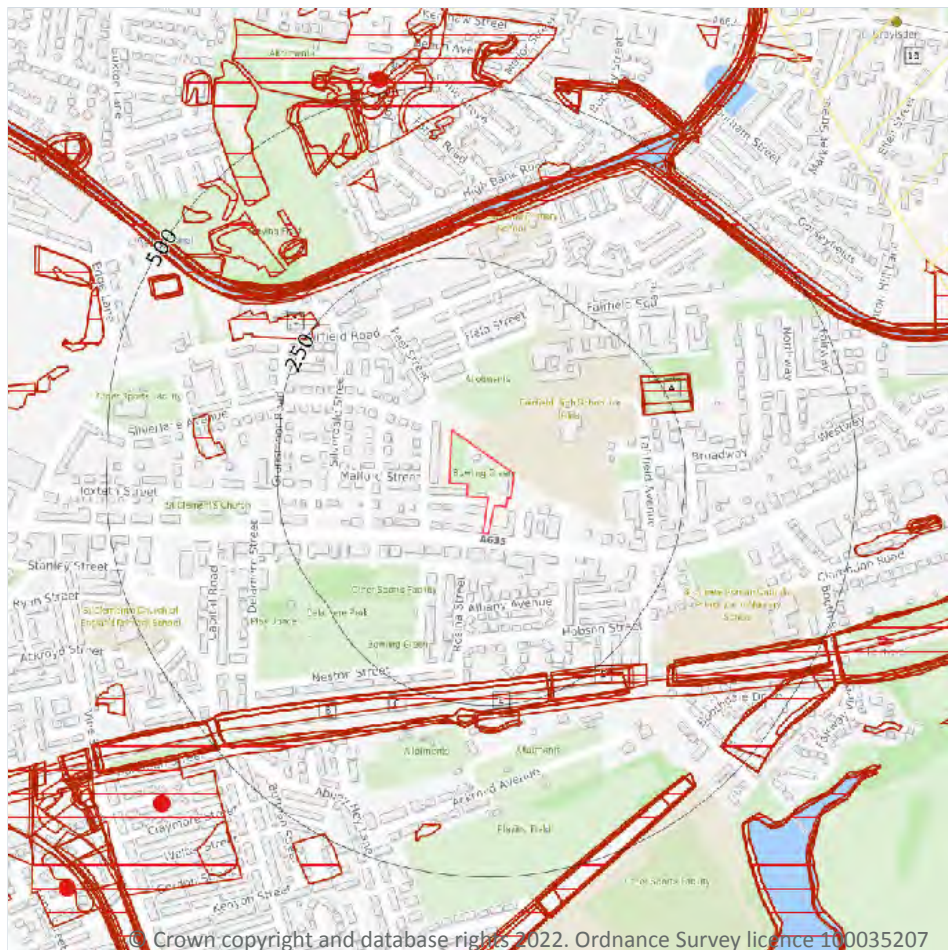
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 107**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



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

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

19

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 109**

ID	Location	Land Use	Year of mapping	Mapping scale
A	207m NE	Burial Ground	1918	1:10560
A	210m NE	Burial Ground	1923	1:10560
A	213m NE	Burial Ground	1845	1:10560
B	214m S	Cuttings	1968	1:10560
B	214m S	Cuttings	1956	1:10560
B	214m S	Cuttings	1985	1:10000
B	214m S	Cuttings	1978	1:10000
B	214m S	Cuttings	1991	1:10000
C	214m S	Cuttings	1934	1:10560
D	222m SE	Cuttings	1979	1:10000
C	222m S	Cuttings	1923	1:10560
C	222m S	Cuttings	1938	1:10560
C	222m S	Cuttings	1934	1:10560
C	222m S	Cuttings	1906	1:10560
C	222m S	Cuttings	1892	1:10560
C	222m S	Cuttings	1918	1:10560
D	225m SE	Cuttings	1954	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
E	235m S	Cuttings	1845	1:10560
1	241m NW	Refuse Heap	1906	1:10560

This 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 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

1

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 109**

ID	Location	Name	Commodity	Class	Likelihood
16	675m 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

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

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

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

This data is sourced from the Coal Authority.



18.10 Brine areas

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

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

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

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

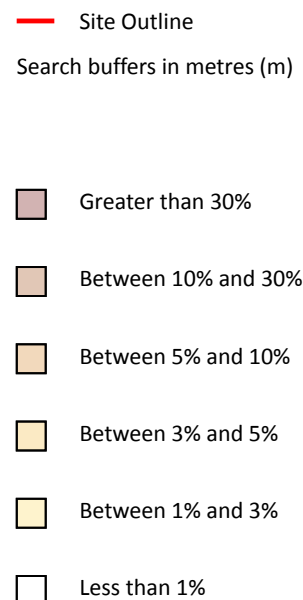
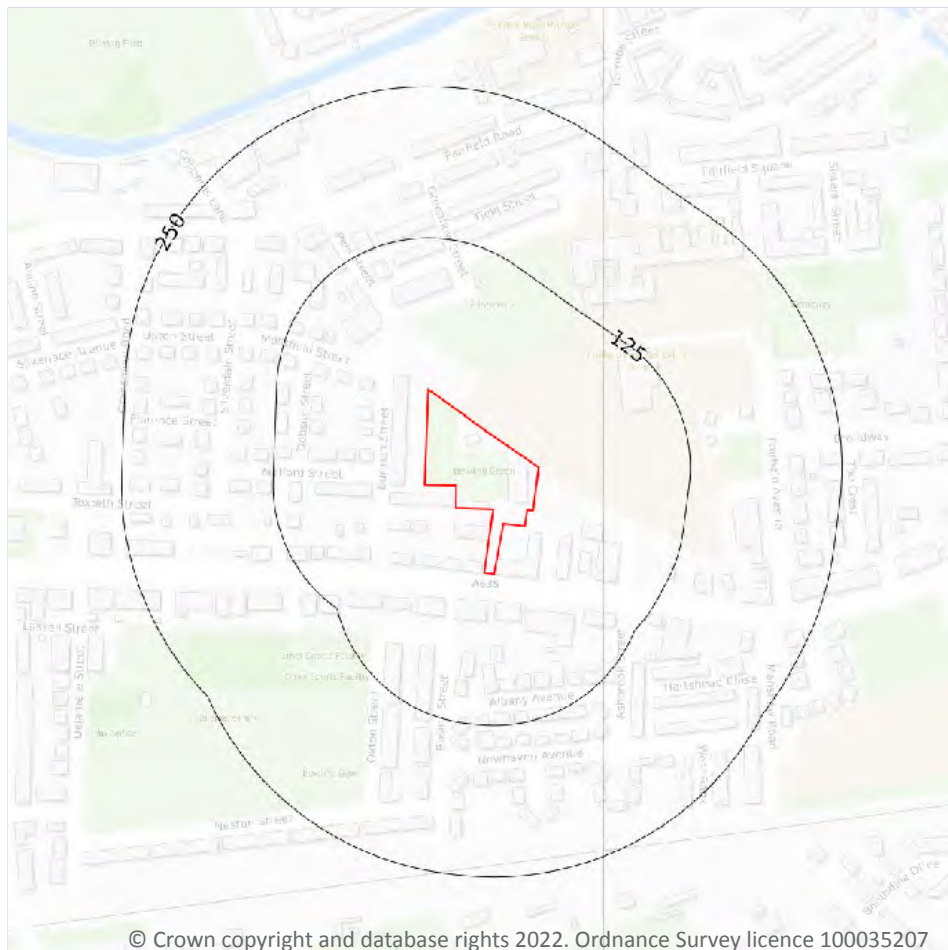
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

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 114**

Location	Estimated properties affected	Radon Protection Measures required
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

2

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 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	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 - 2.2 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

8

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	21	3.7	54	37	0.3	76	20	33	6
On site	28	4.9	91	63	2.1	88	27	41	5
On site	29	5.1	53	36	0.3	89	20	42	6
On site	35	6.1	93	64	1.4	98	28	49	7
1m SW	42	7.3	52	36	0.3	107	20	57	5
26m NE	24	4.2	92	63	2.4	80	26	36	5



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)
48m S	38	6.7	96	66	0.8	103	31	53	10
49m S	49	8.6	51	35	0.3	115	19	64	5

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- 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

2

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 117**

Location	Land Use	Year of mapping	Mapping scale
215m S	Railway	1938	-
217m S	Railway Sidings	1906	10560

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

3

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 117**

Location	Name	Type
236m S		rail
238m S	Not given	Multi Track
239m S		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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APPENDIX D

Site Details:

LAND AT CLUB STREET,
MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1863

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1863
Revised 1863
Edition N/A
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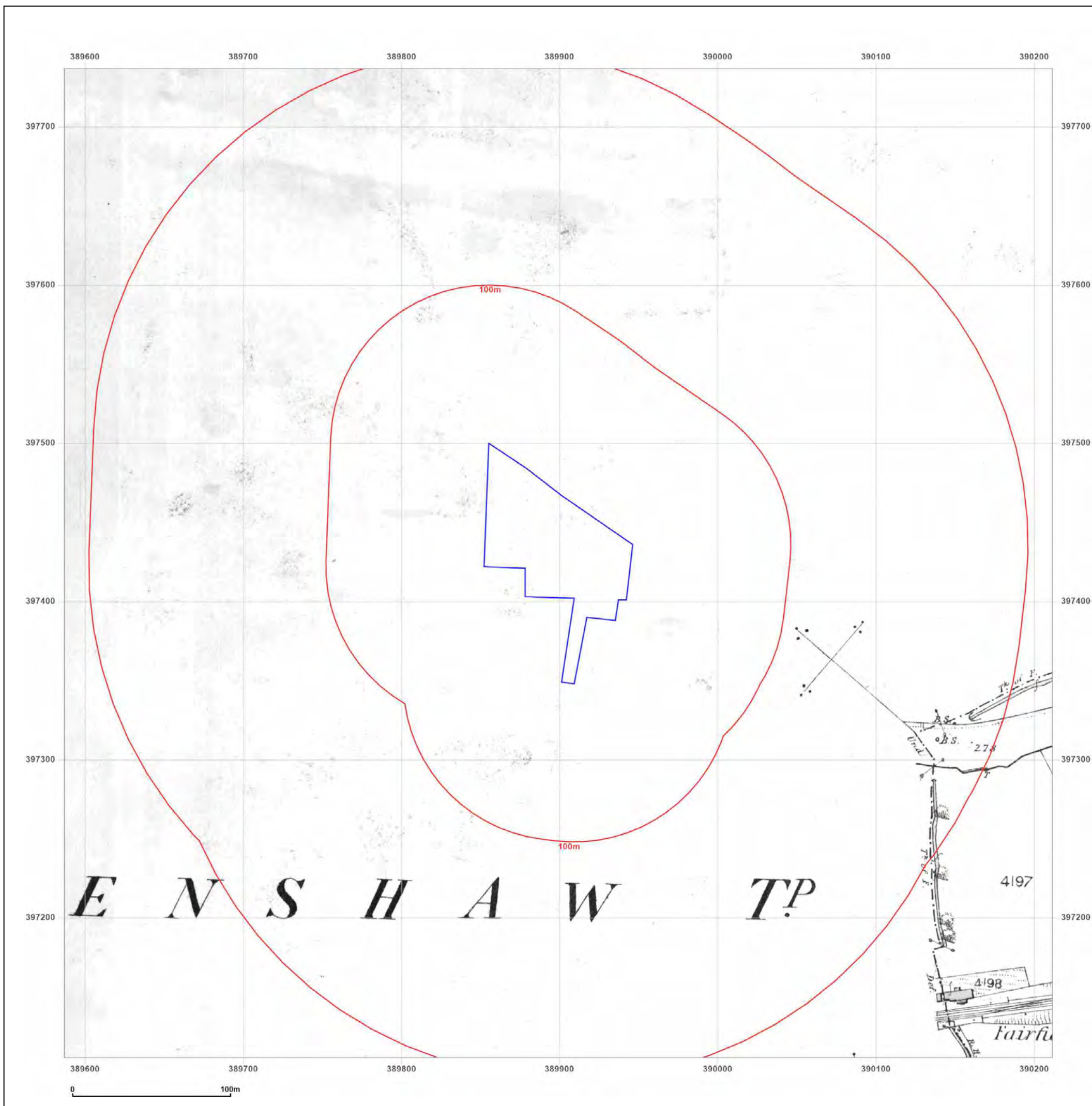


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Site Details:

LAND AT CLUB STREET,
MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1894

Scale: 1:2,500

Printed at: 1:2,500



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

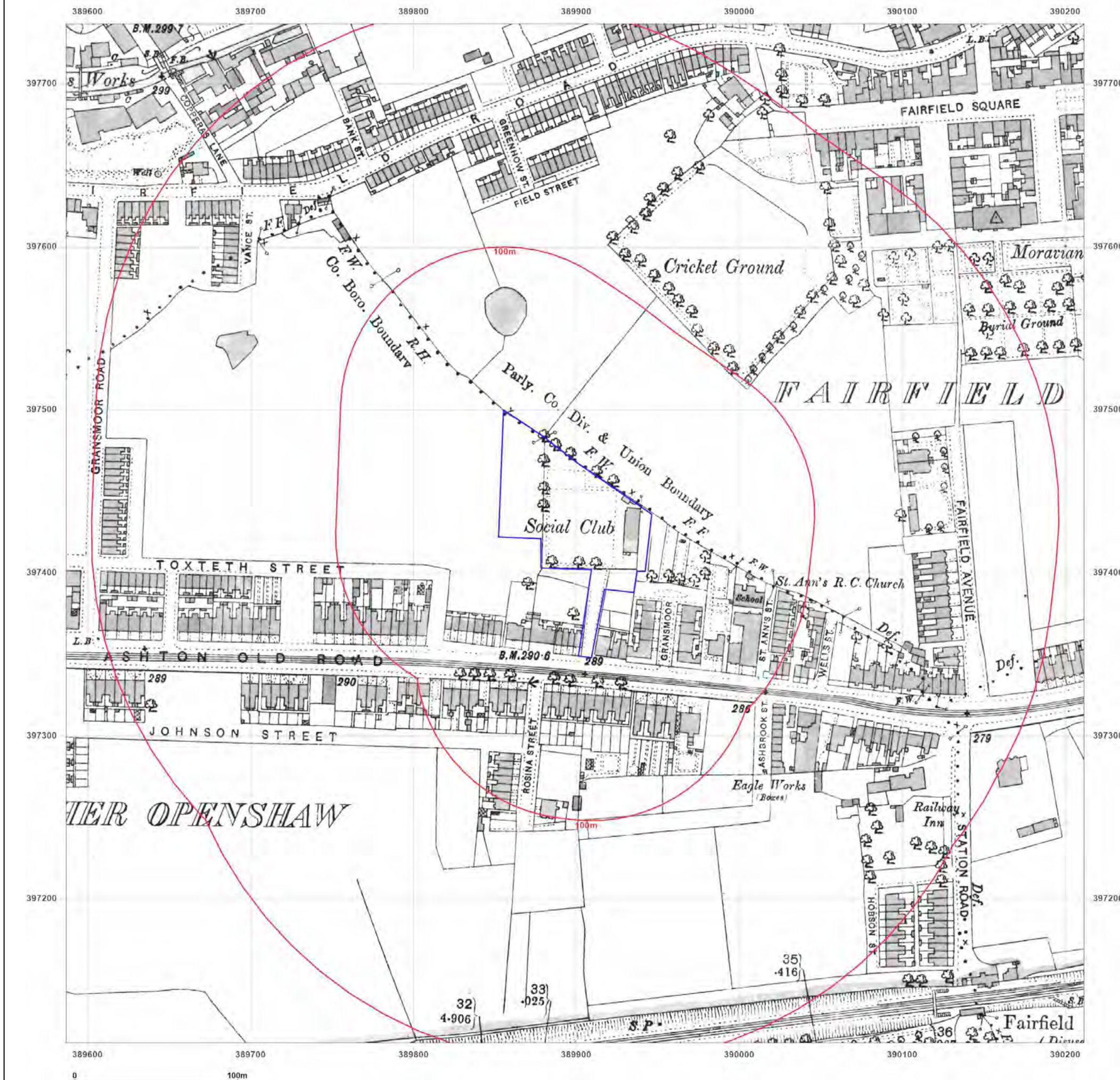


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
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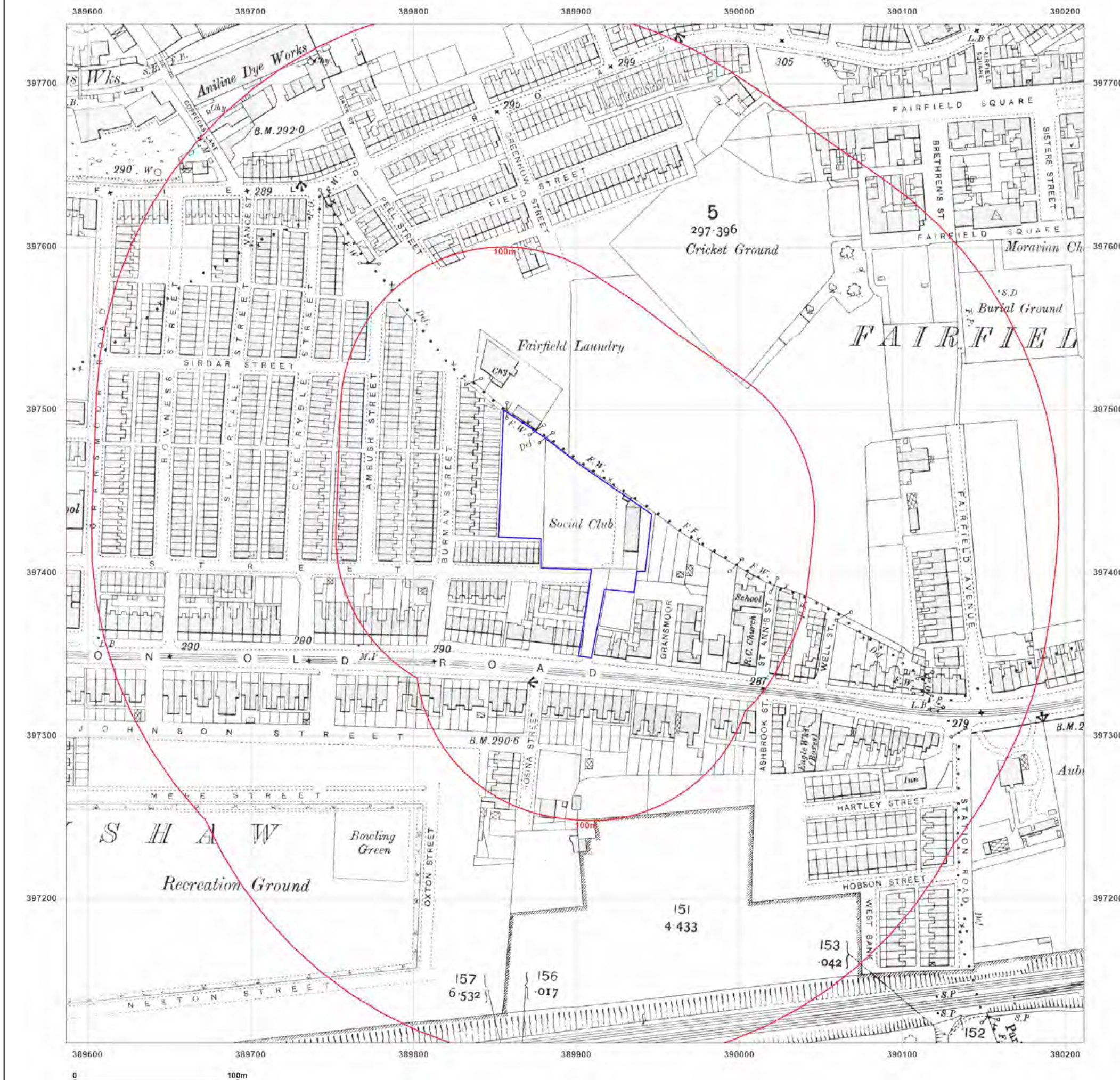


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MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1922

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1922
Revised 1922
Edition N/A
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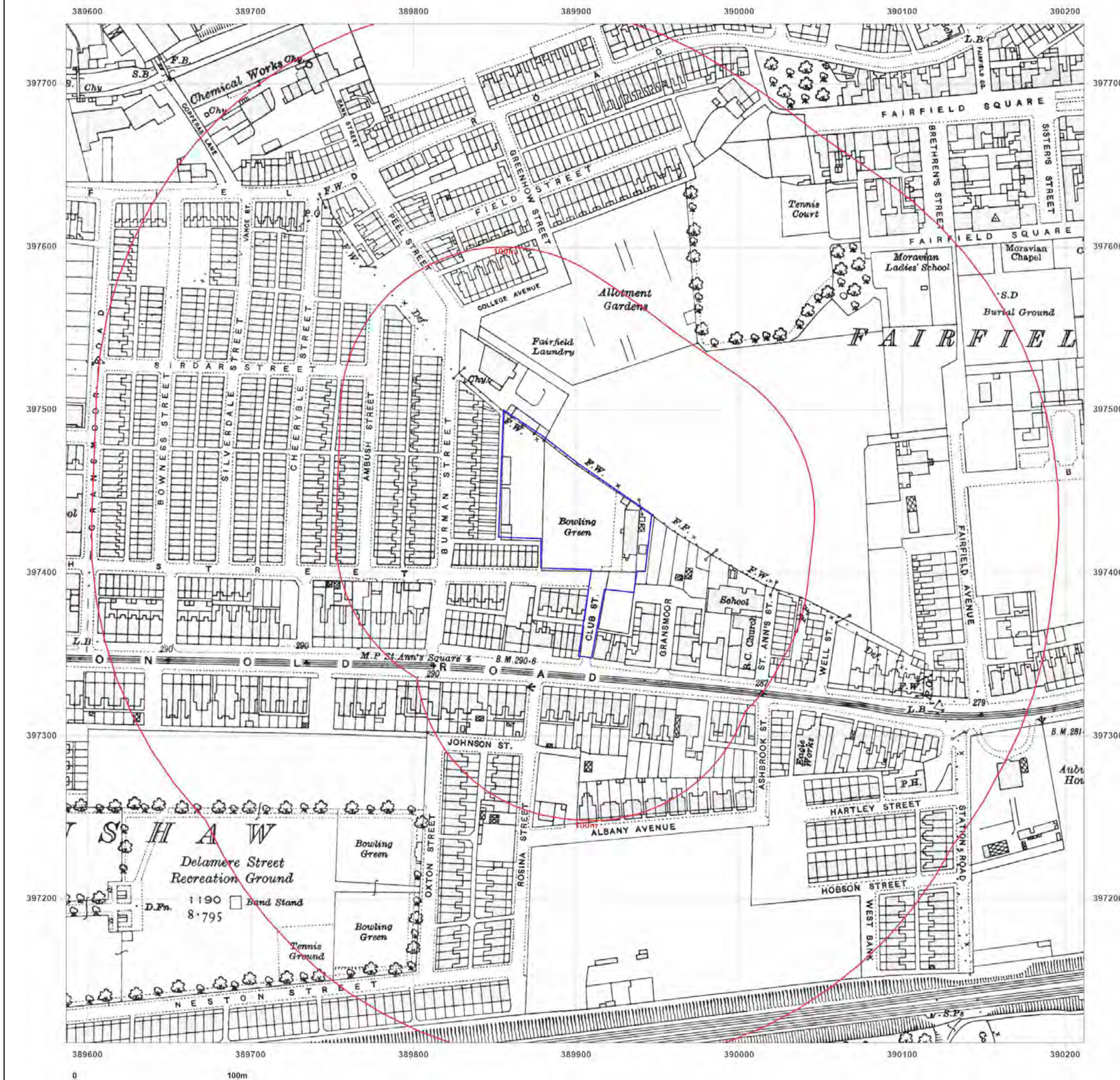


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LAND AT CLUB STREET,
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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1933

Scale: 1:2,500

Printed at: 1:2,500



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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1949

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1949

Scale: 1:2,500

Printed at: 1:2,500



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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1950

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1951

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Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1961

Scale: 1:1,250

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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



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Edition 1962
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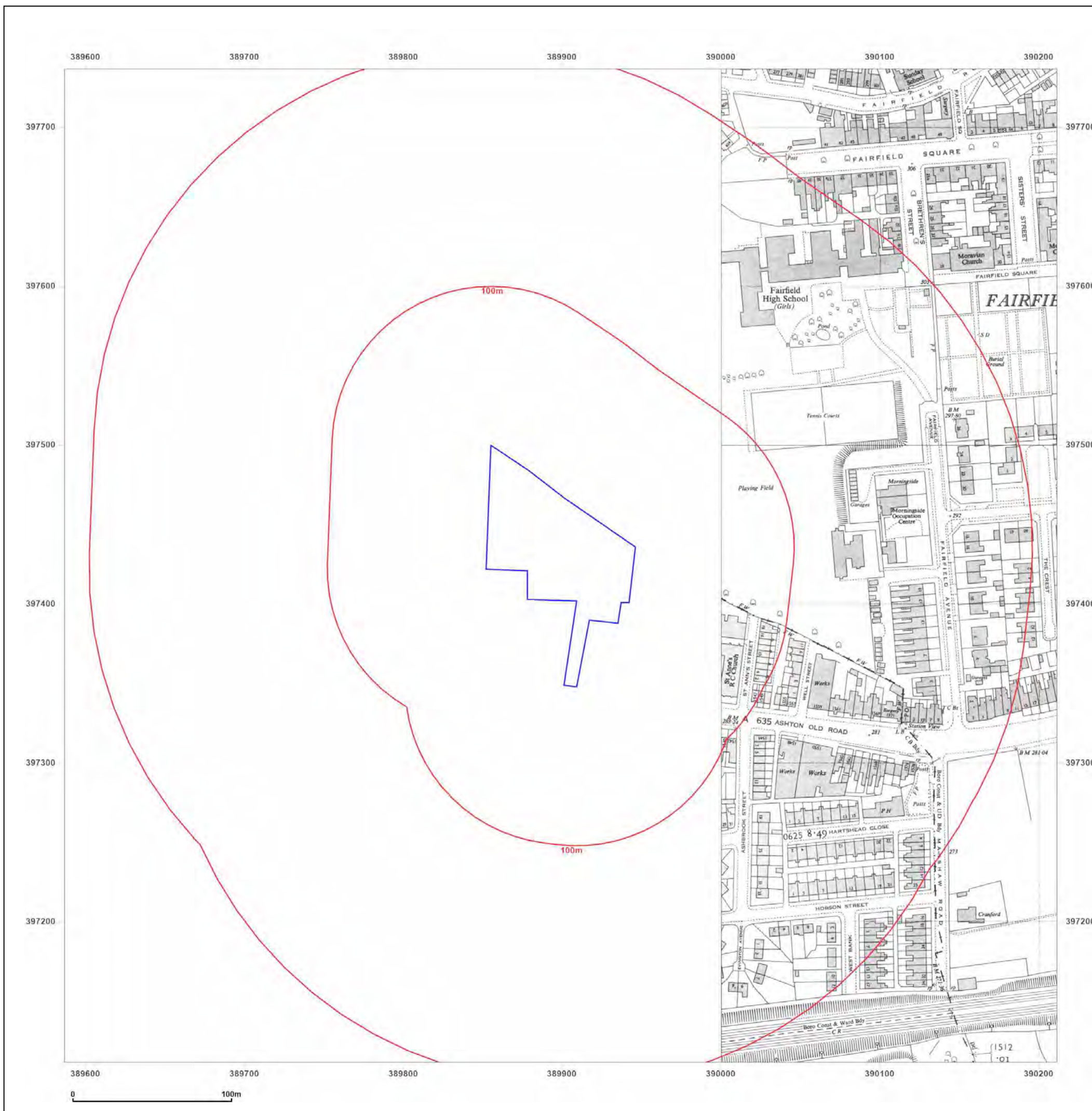


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1973-1974

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1983-1984

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1986-1991

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1949
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Edition N/A
Copyright 1991
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Surveyed 1964
Revised 1986
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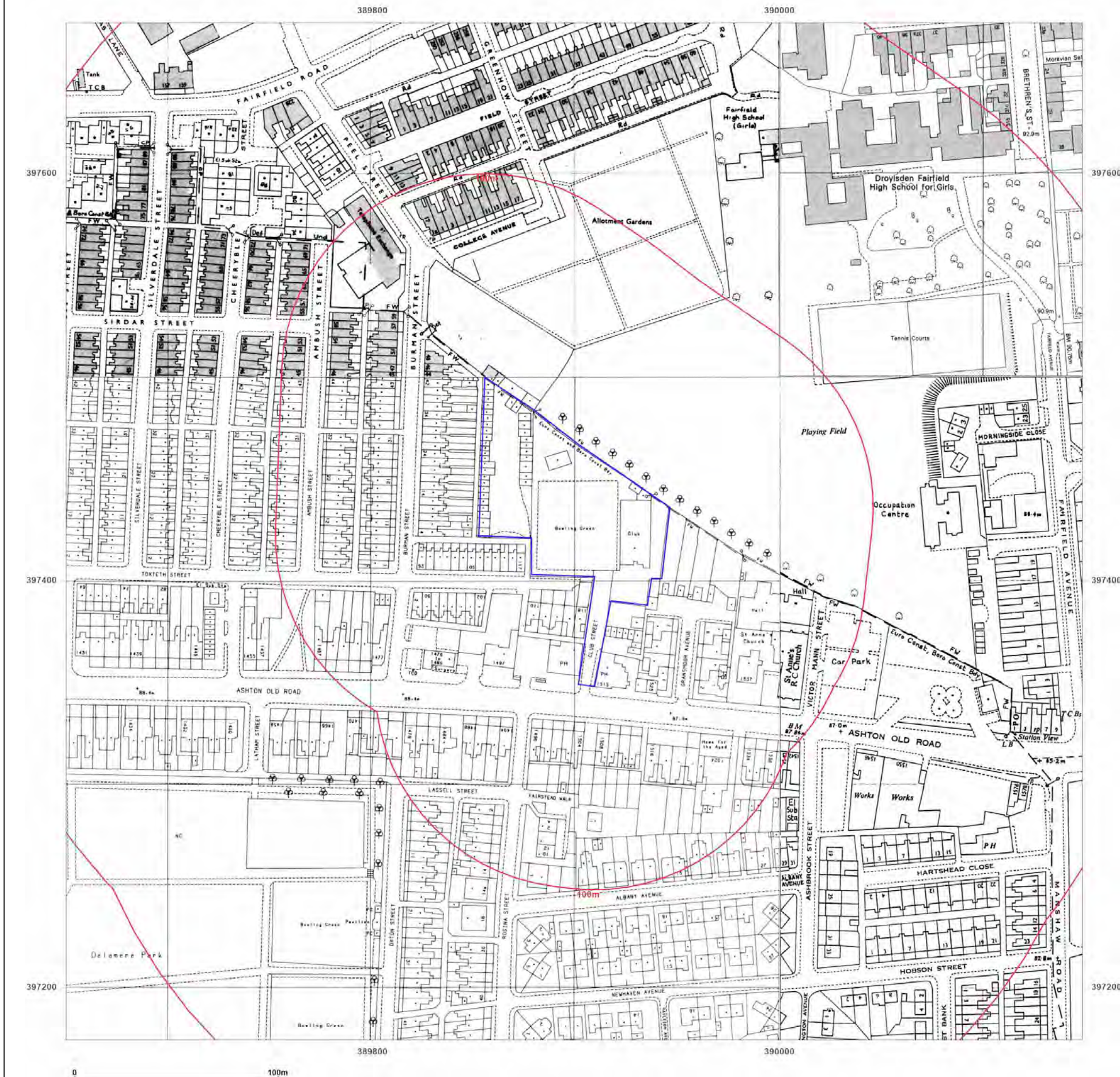


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LAND AT CLUB STREET,
MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1990-1992

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed N/A
Revised N/A
Edition N/A
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Surveyed 1960
Revised 1989
Edition N/A
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Levelled N/A

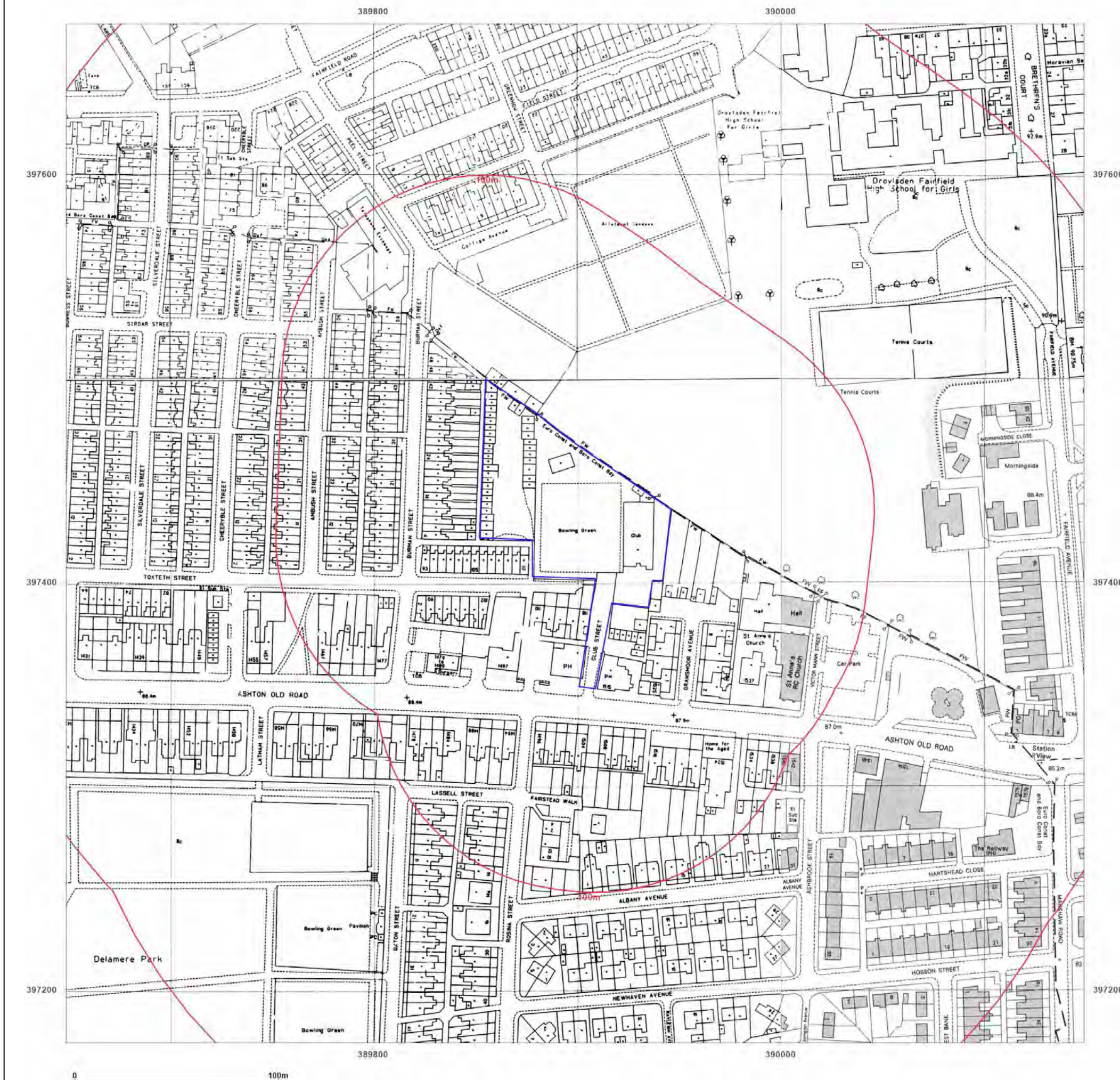


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MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

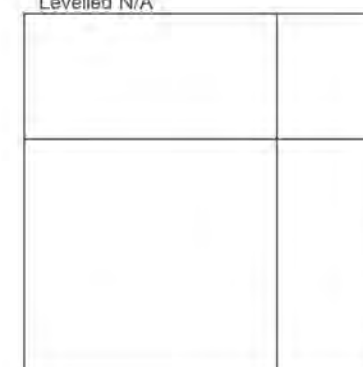
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Scale: 1:1,250

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Edition N/A
Copyright 1992
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Revised N/A
Edition N/A
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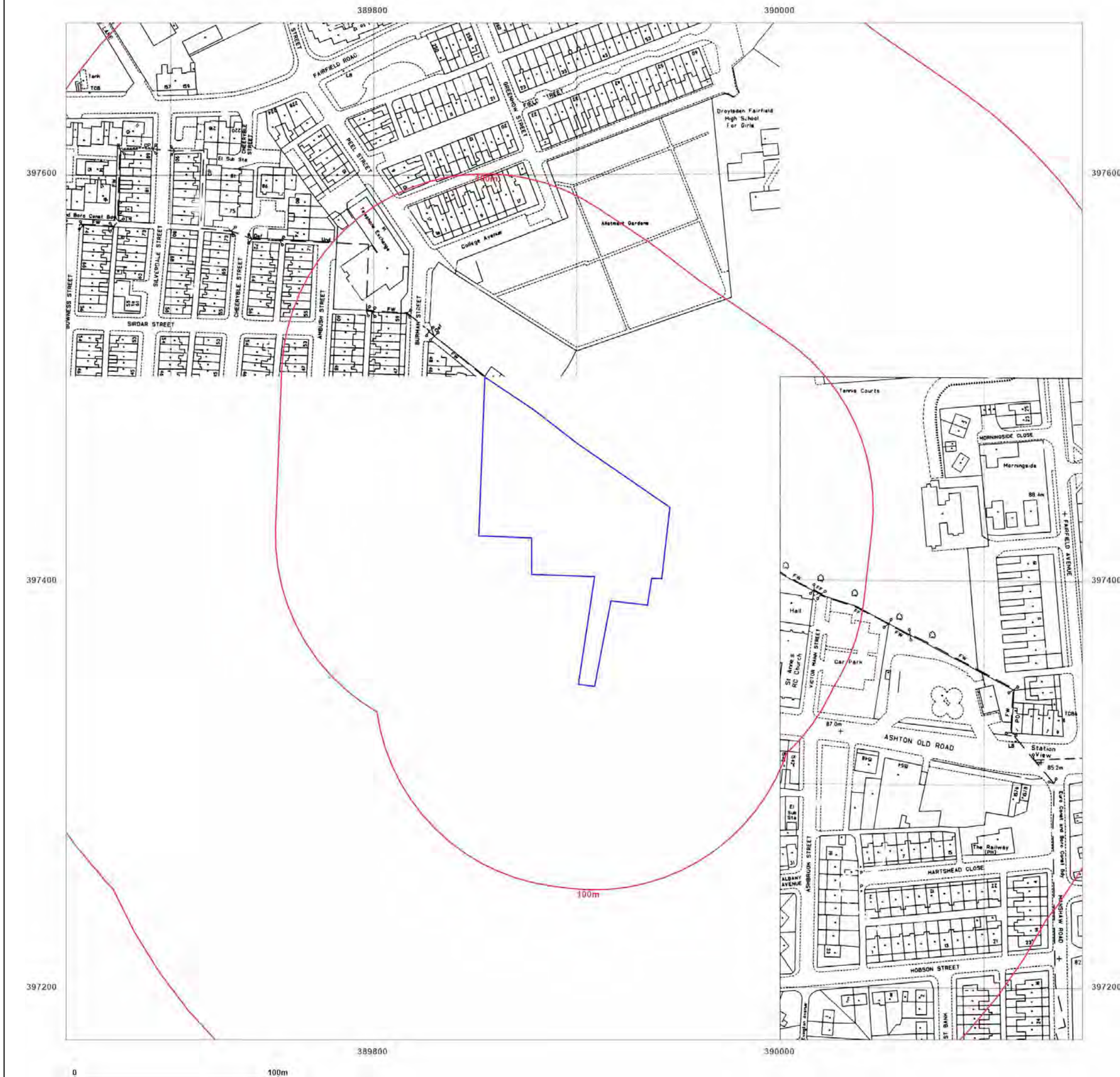


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

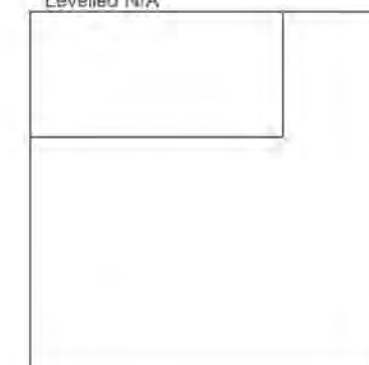
Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1994
Revised 1994
Edition N/A
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Site Details:

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MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

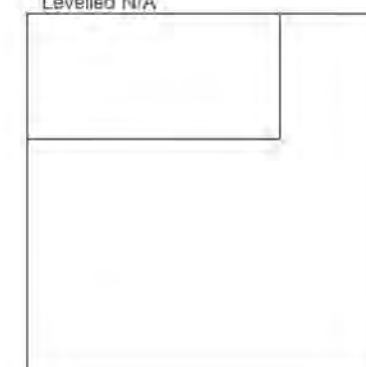
Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



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

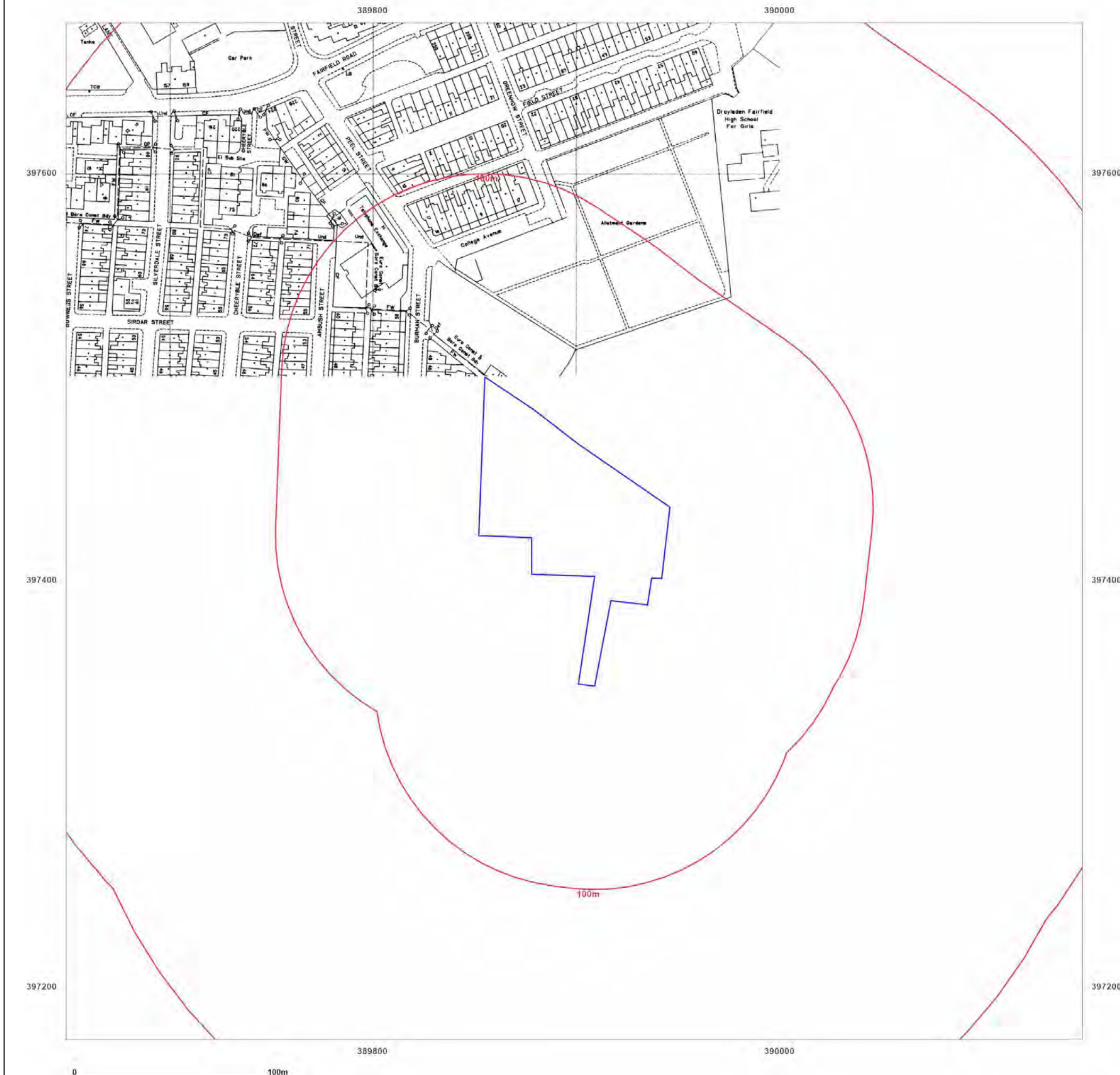


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

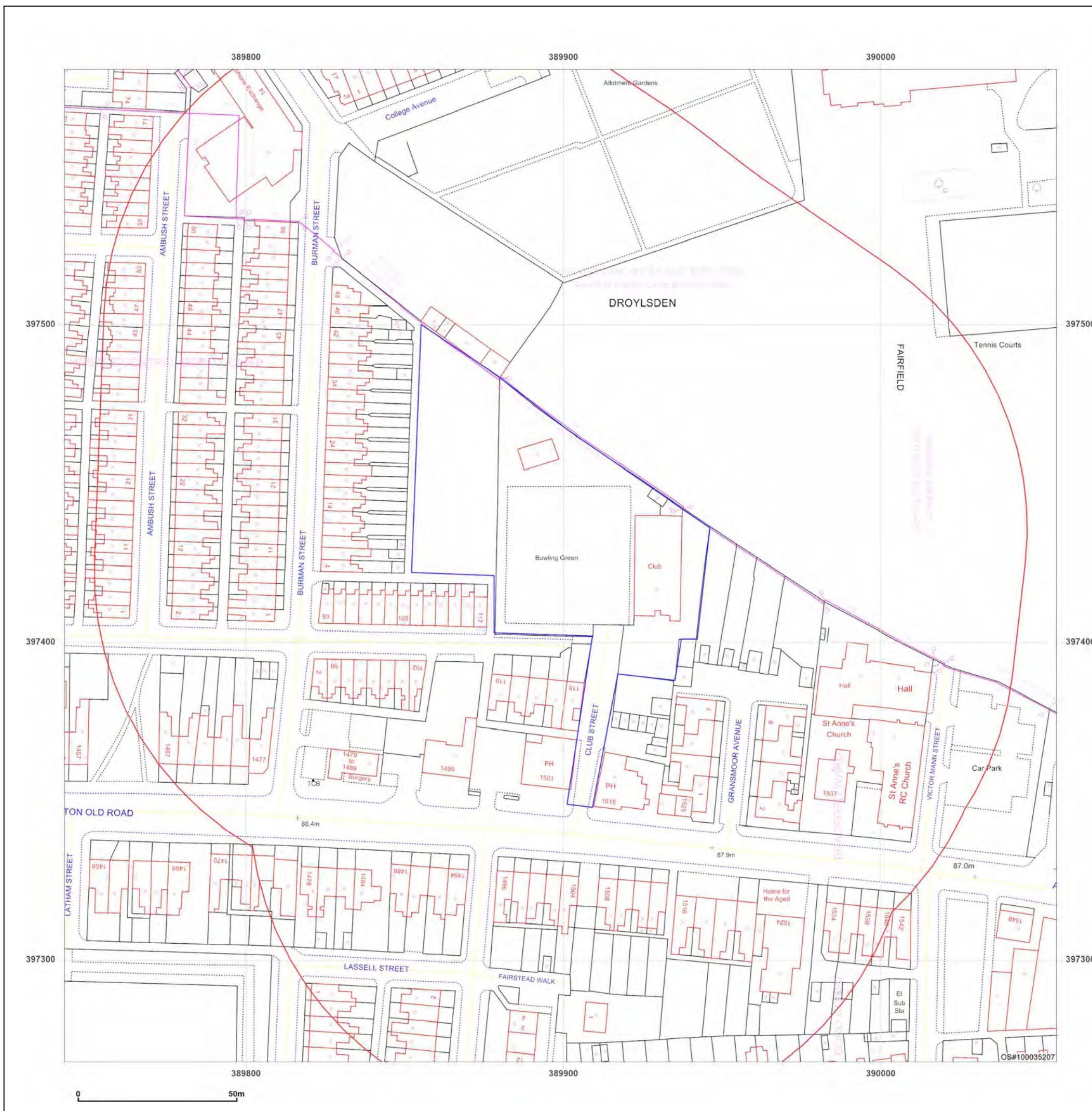


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Site Details:

LAND AT CLUB STREET,
MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

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

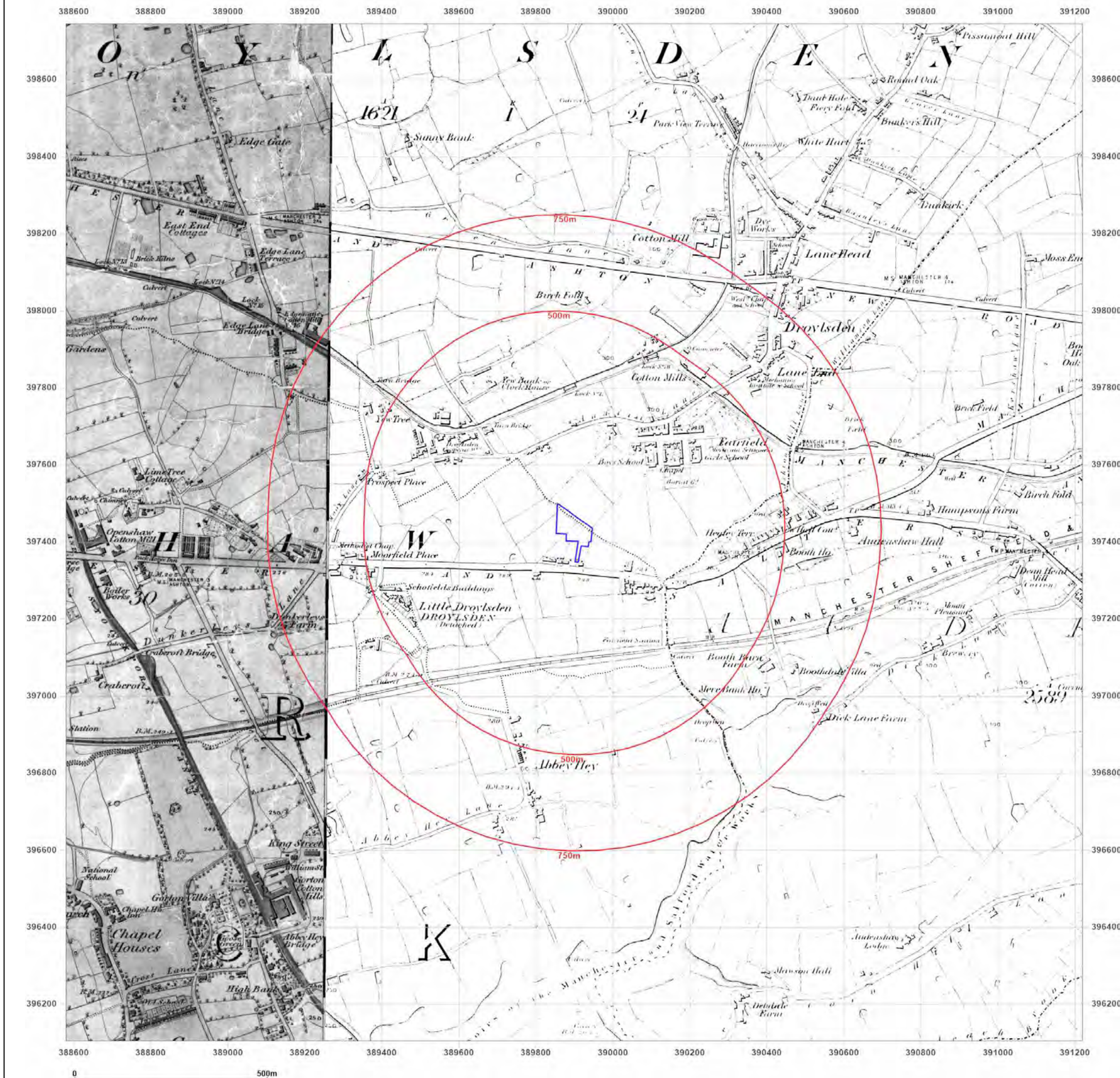


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Site Details:

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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1890-1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1891
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Edition 1891
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Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1890
Revised 1890
Edition 1890
Copyright N/A
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Surveyed 1892
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Edition N/A
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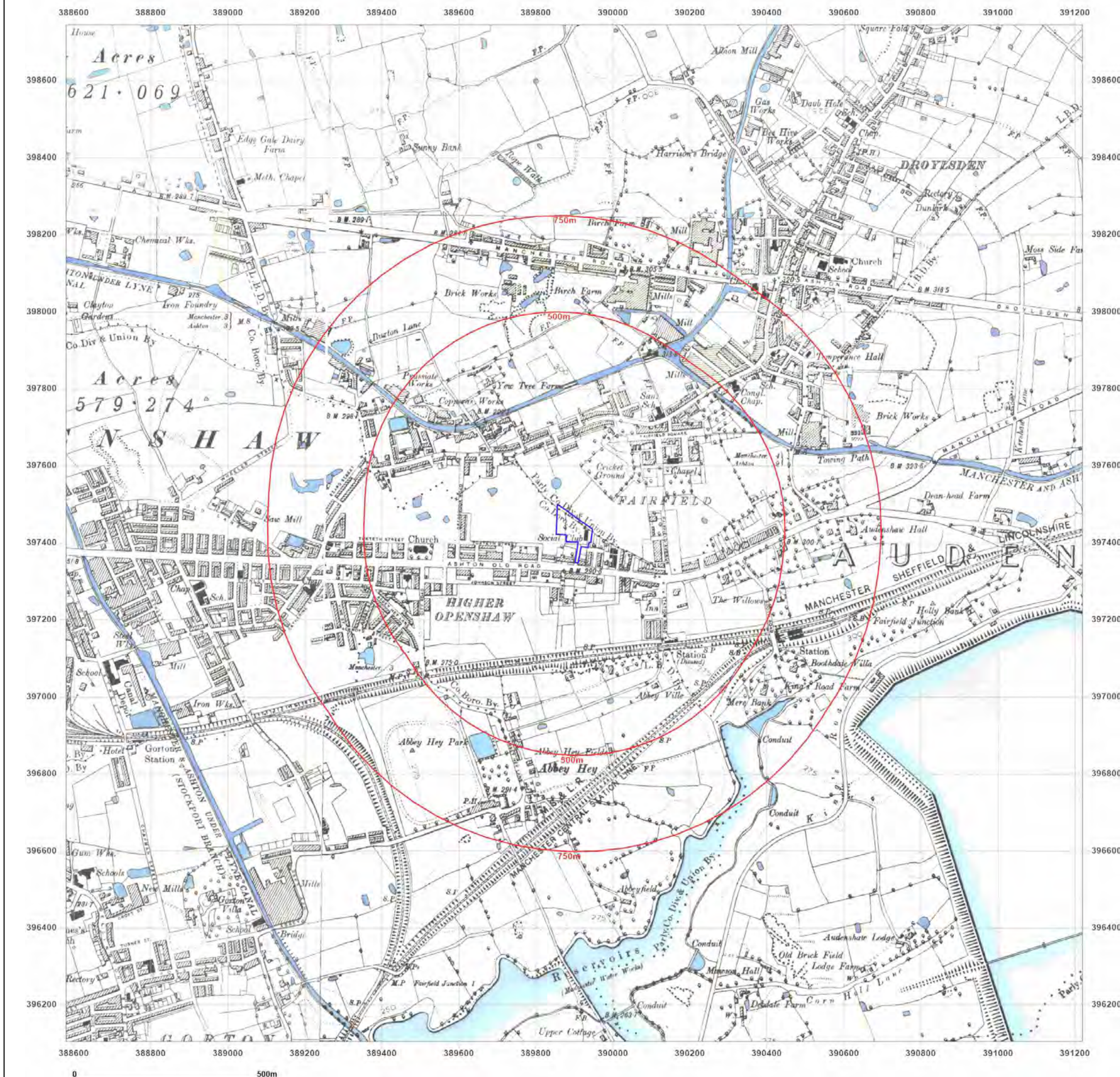


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Site Details:

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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

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

Surveyed 1844
Revised 1905
Edition 1905
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Levelled N/A

Surveyed 1844
Revised 1906
Edition N/A
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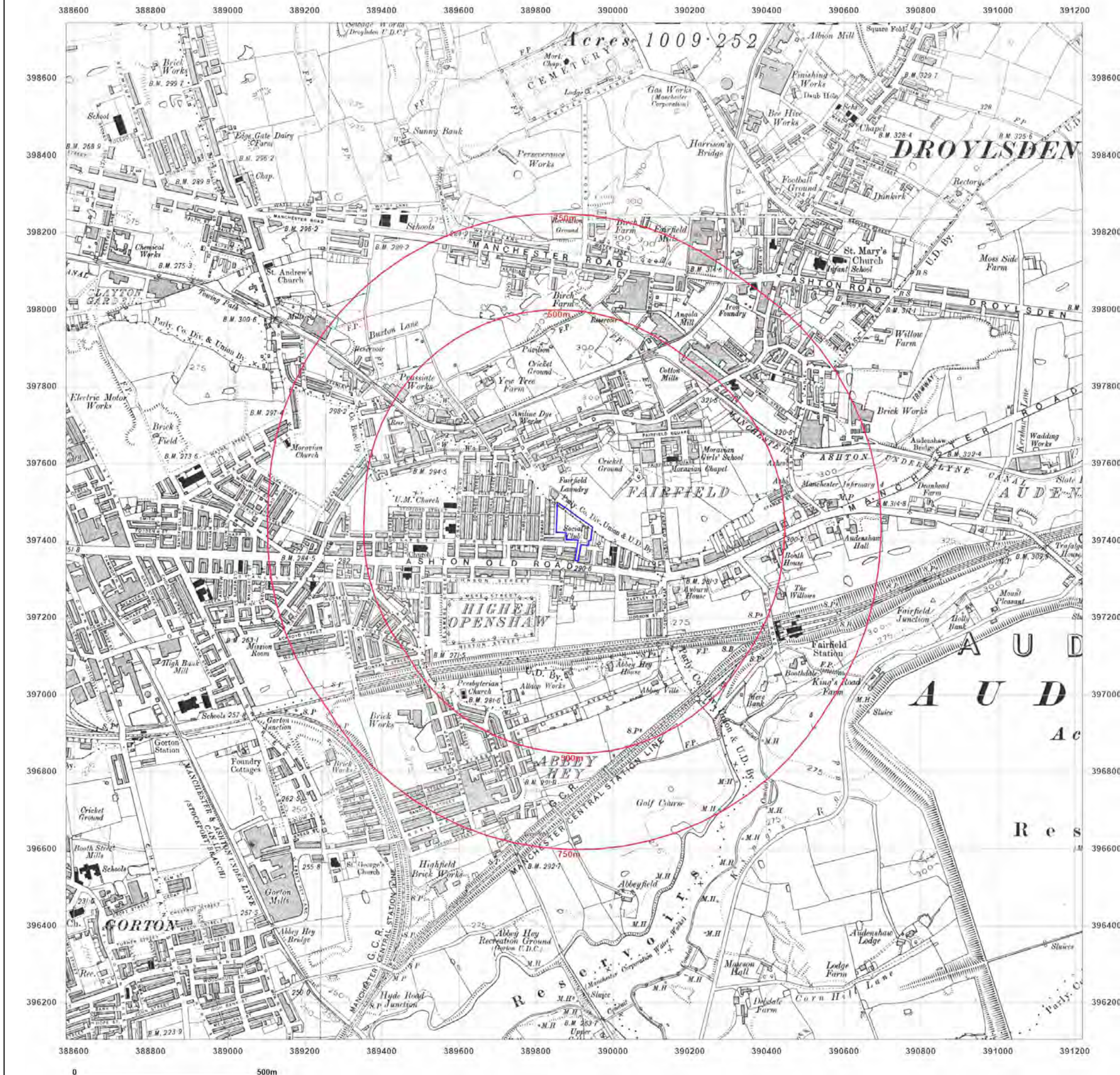


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1916-1918

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1916
Edition N/A
Copyright N/A
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Surveyed 1844
Revised 1918
Edition N/A
Copyright N/A
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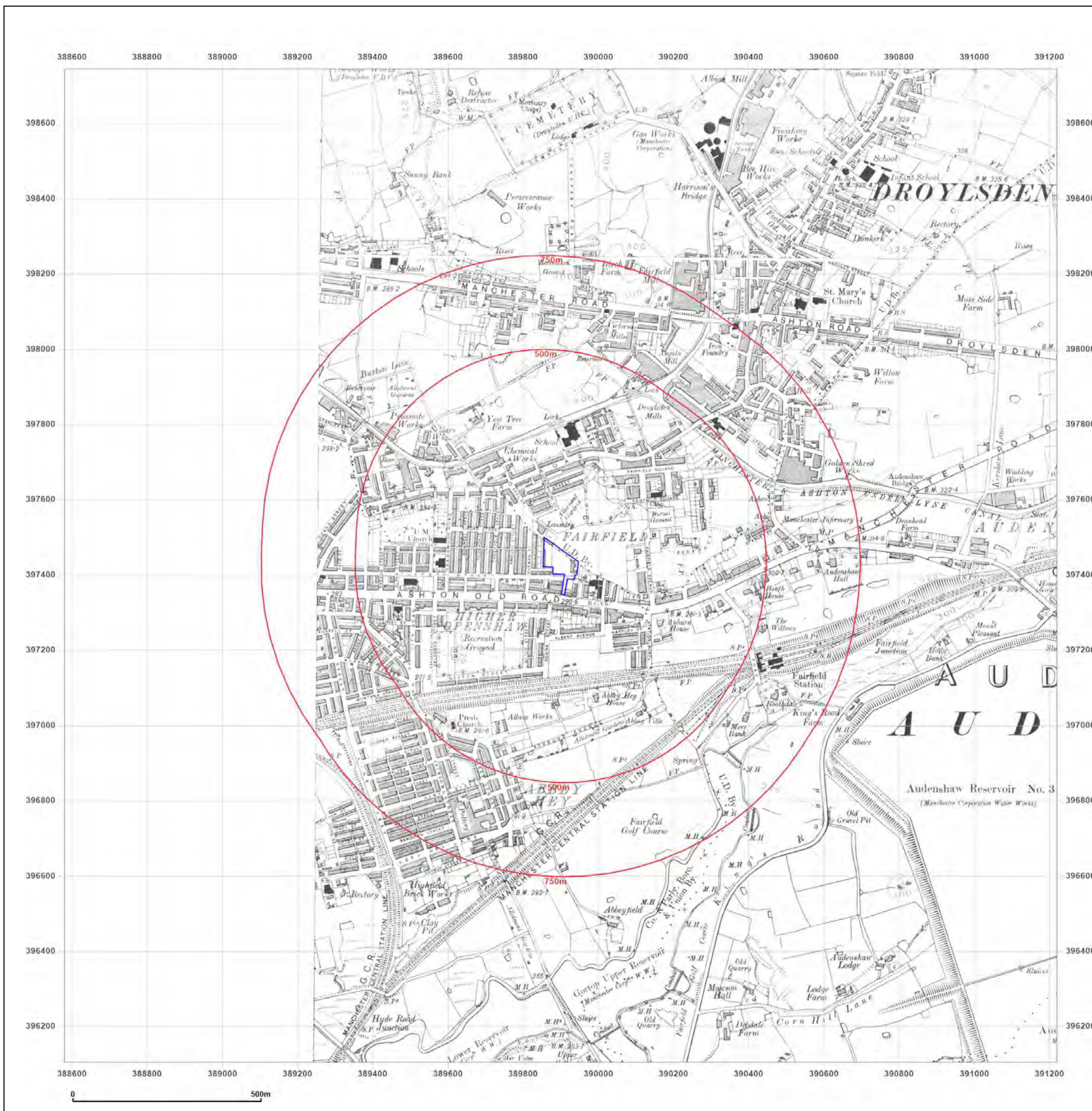


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LAND AT CLUB STREET,
MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1923

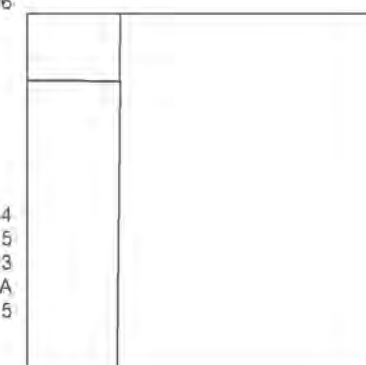
Scale: 1:10,560

Printed at: 1:10,560



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

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

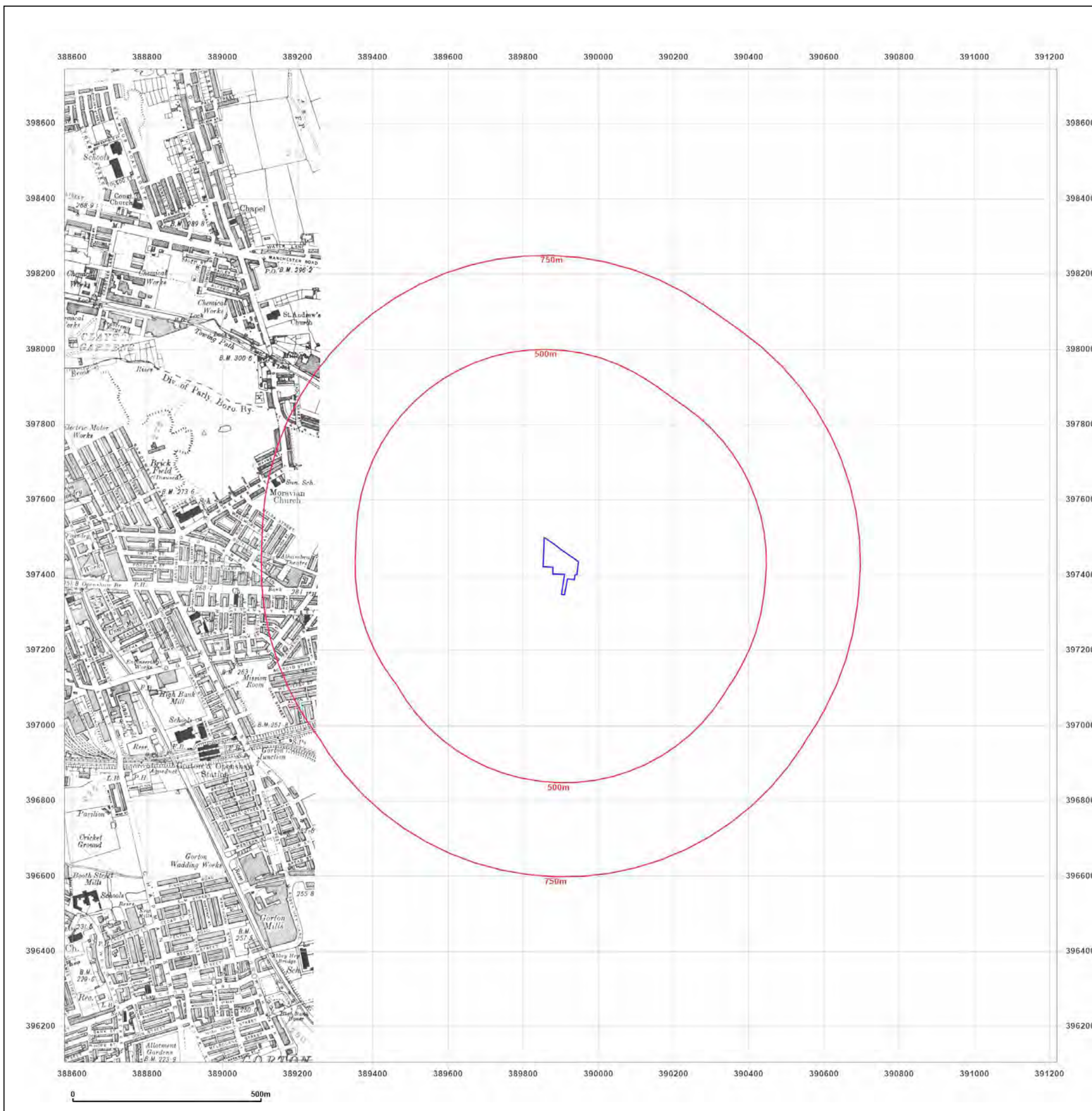


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

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

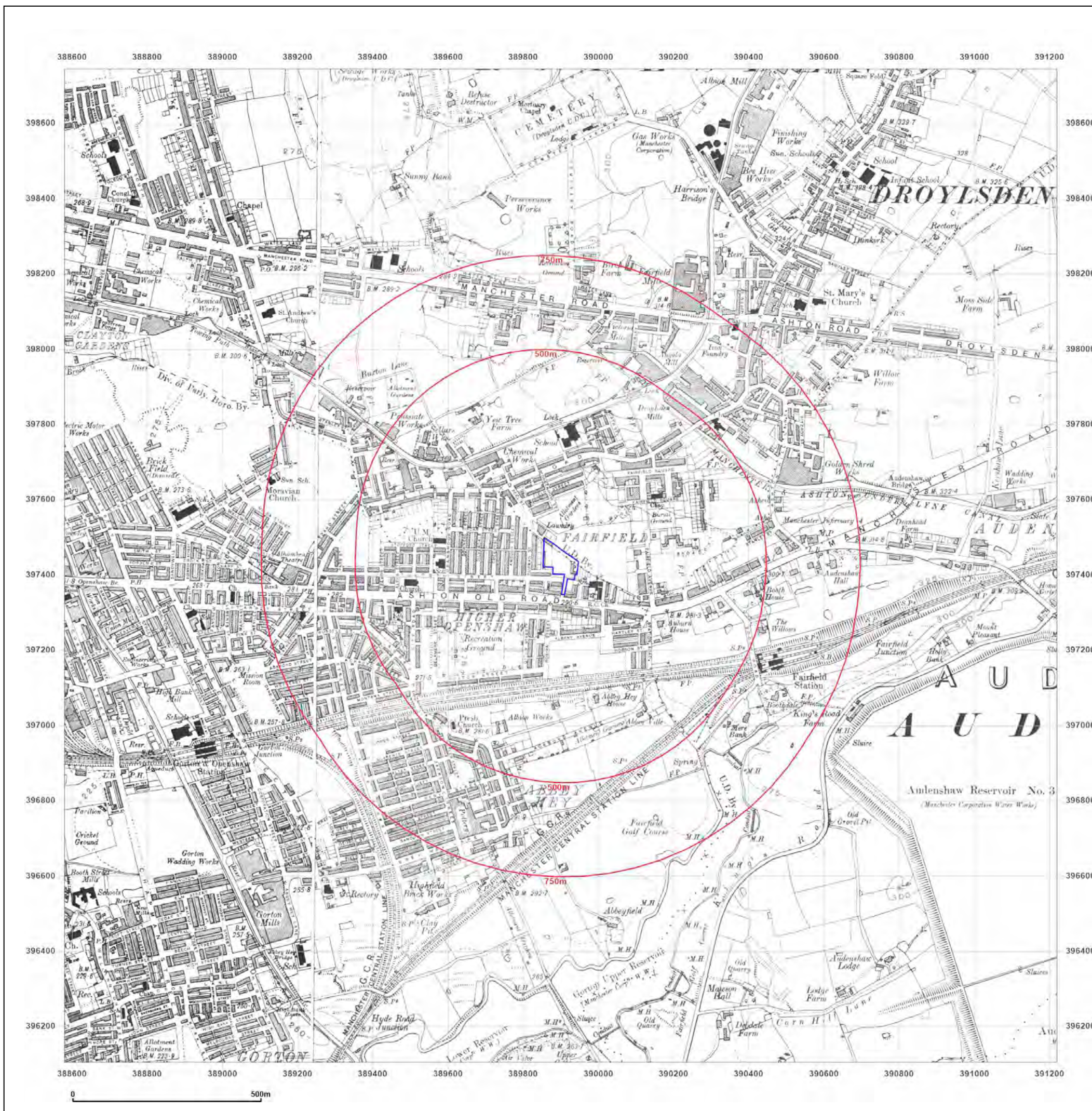


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1934-1938

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 N/A
Copyright N/A
Levelled N/A

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

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

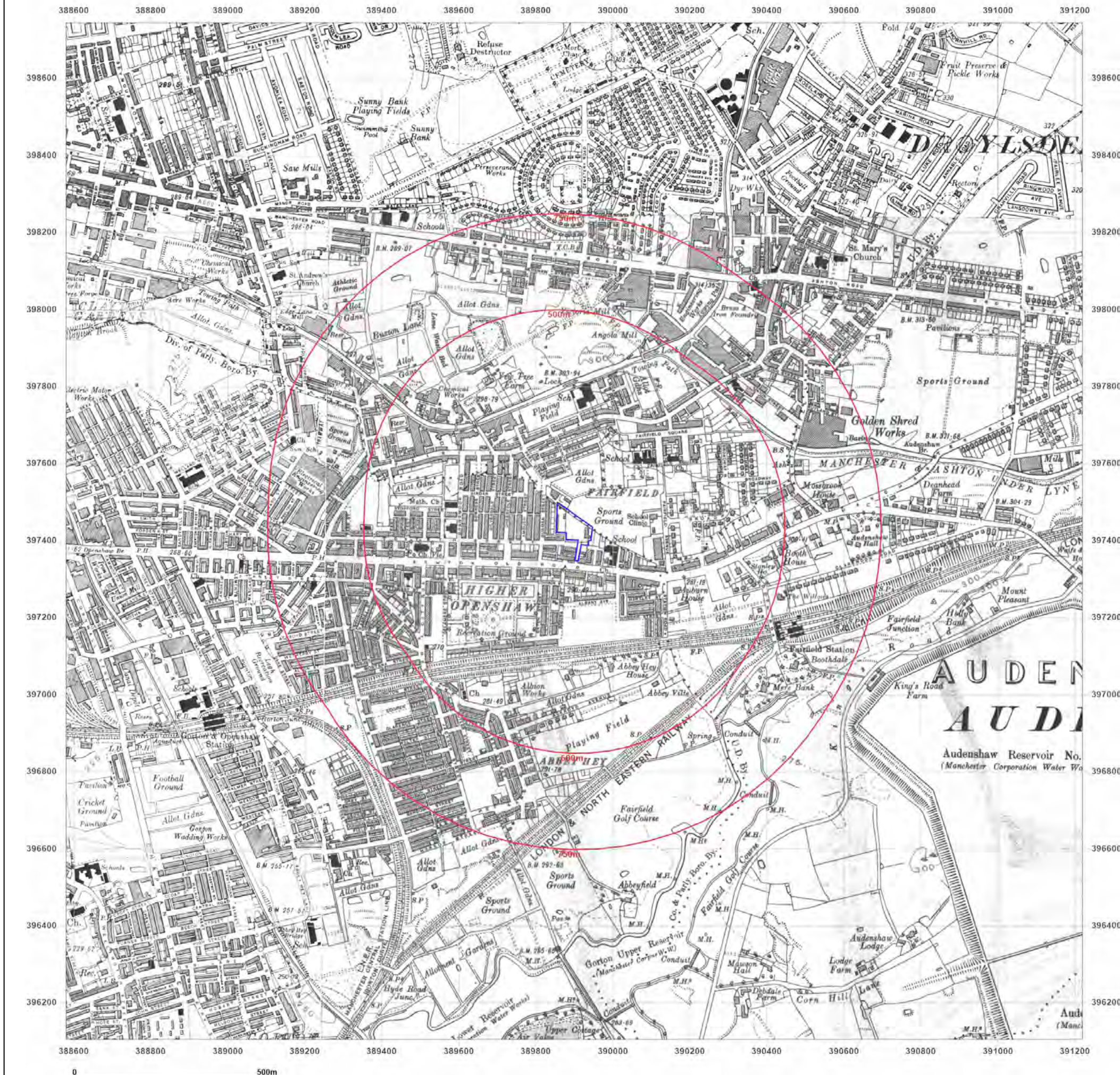


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1934-1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1938
Edition N/A
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Levelled 1929

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

Surveyed 1844
Revised 1938
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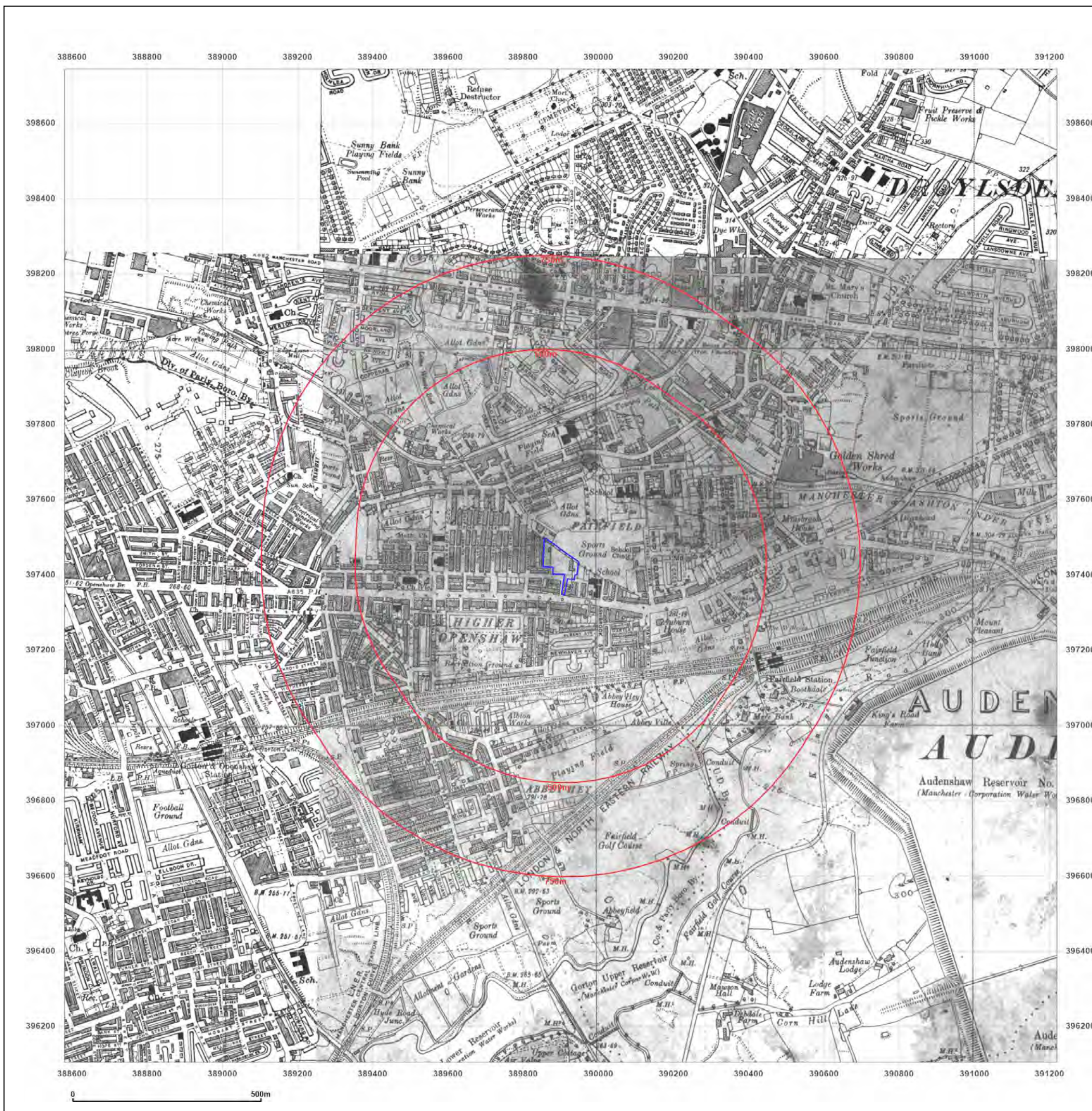


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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

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

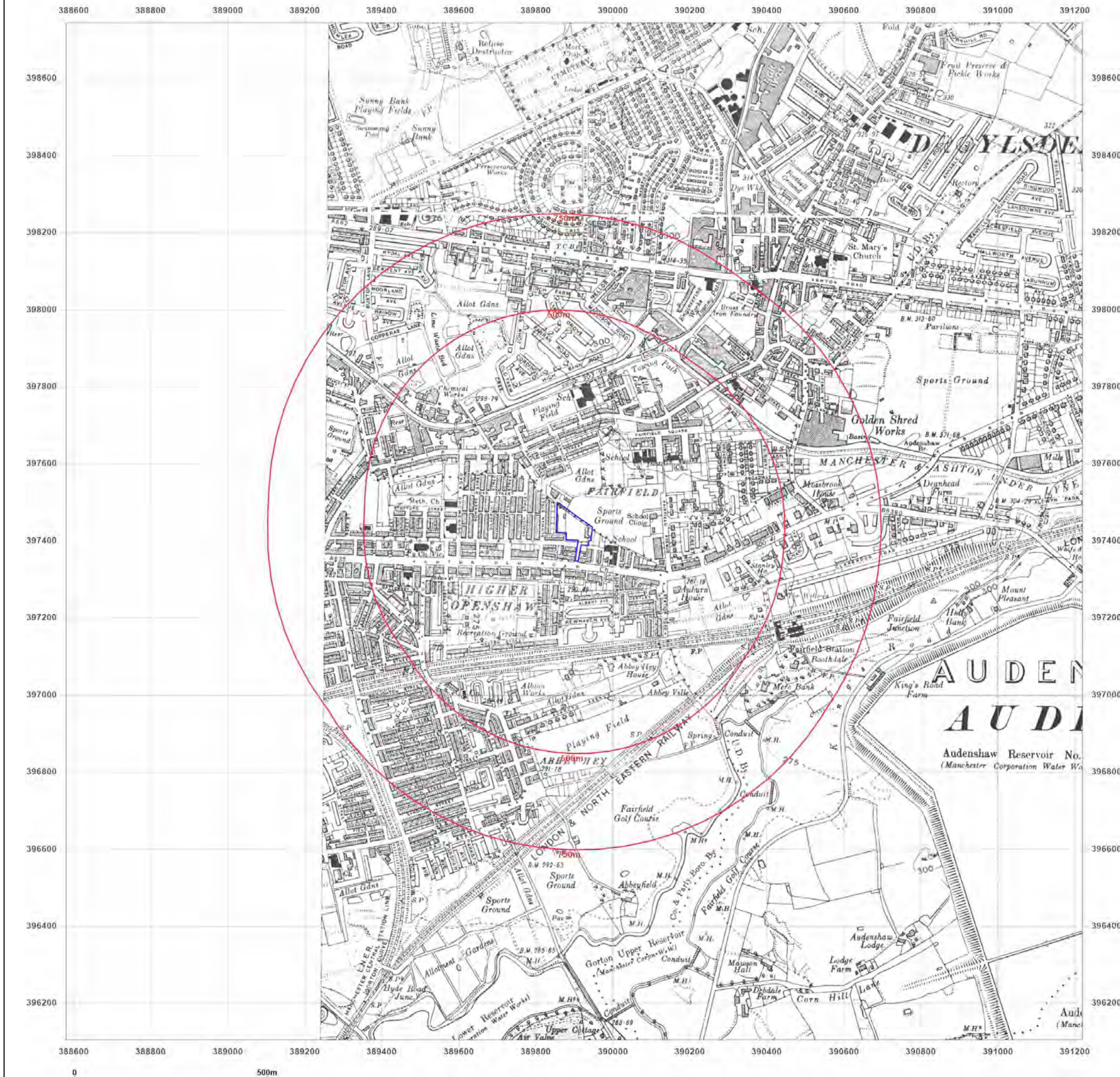


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: Provisional

Map date: 1954-1956

Scale: 1:10,560

Printed at: 1:10,560



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

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

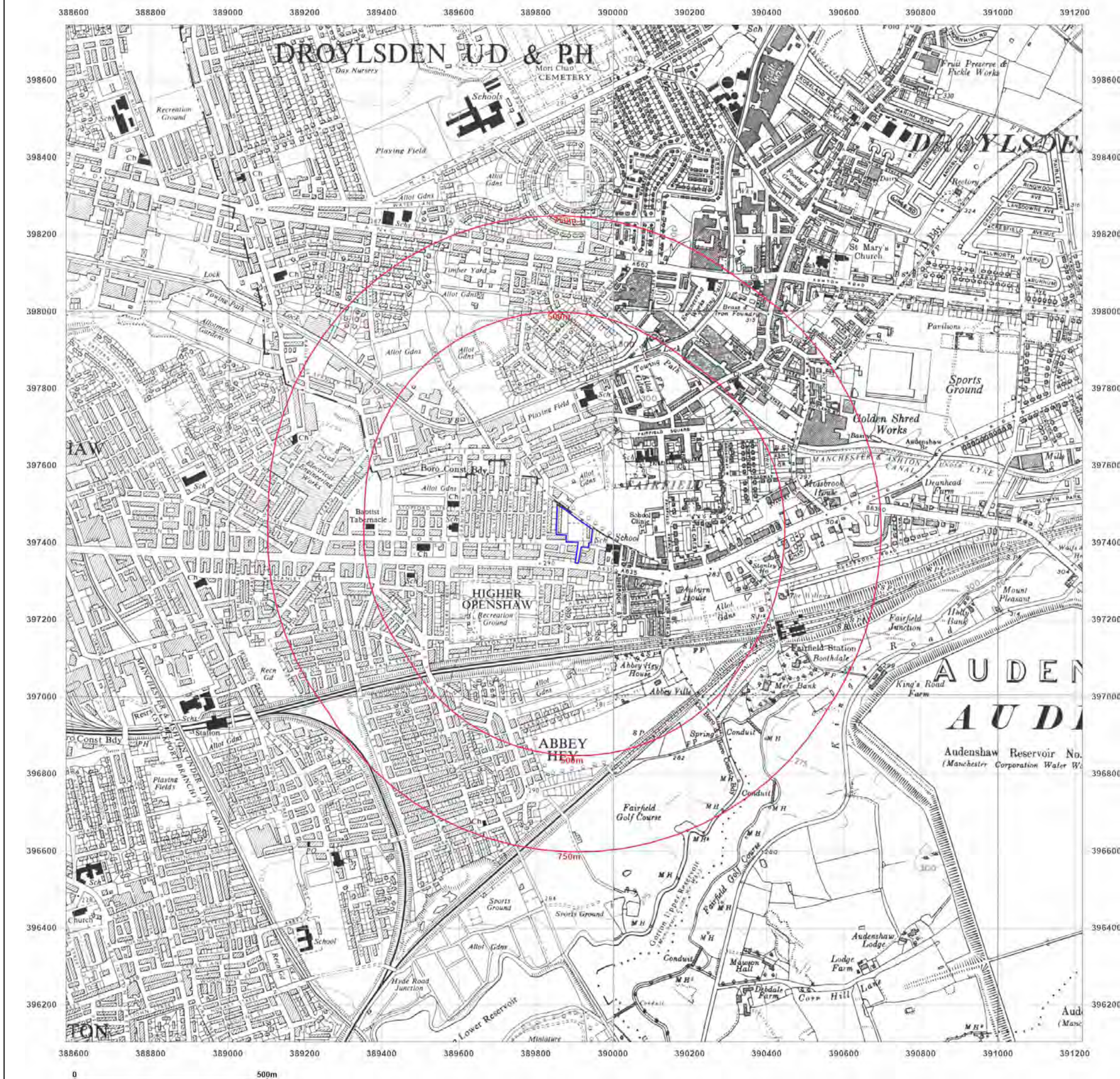


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: Provisional

Map date: 1965-1968

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed 1960
Revised 1965
Edition N/A
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Levelled N/A

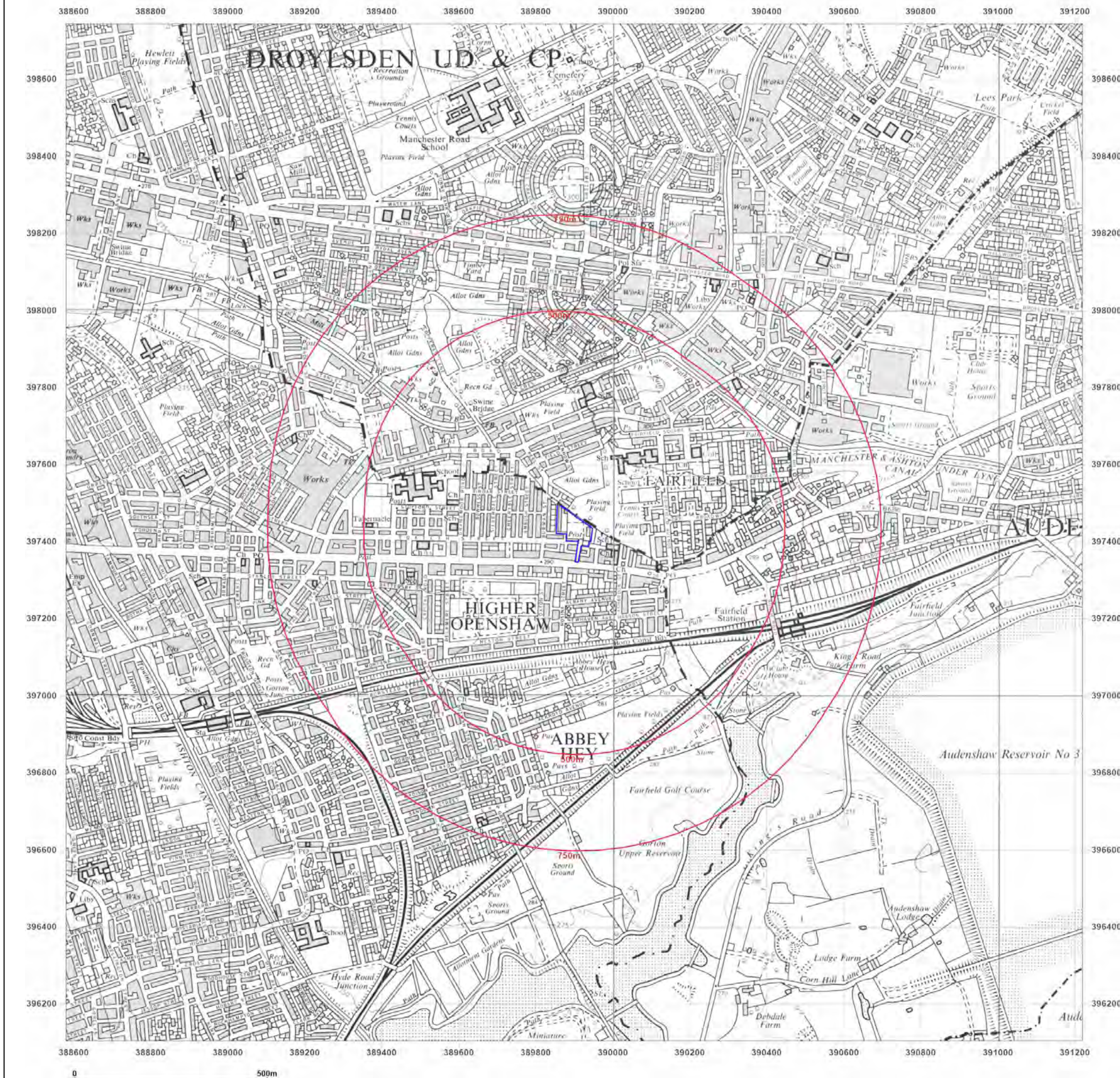


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MANCHESTER, M11 1NF

Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1981-1982

Scale: 1:10,000

Printed at: 1:10,000



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

Surveyed 1979
Revised 1982
Edition N/A
Copyright 1982
Levelled 1977

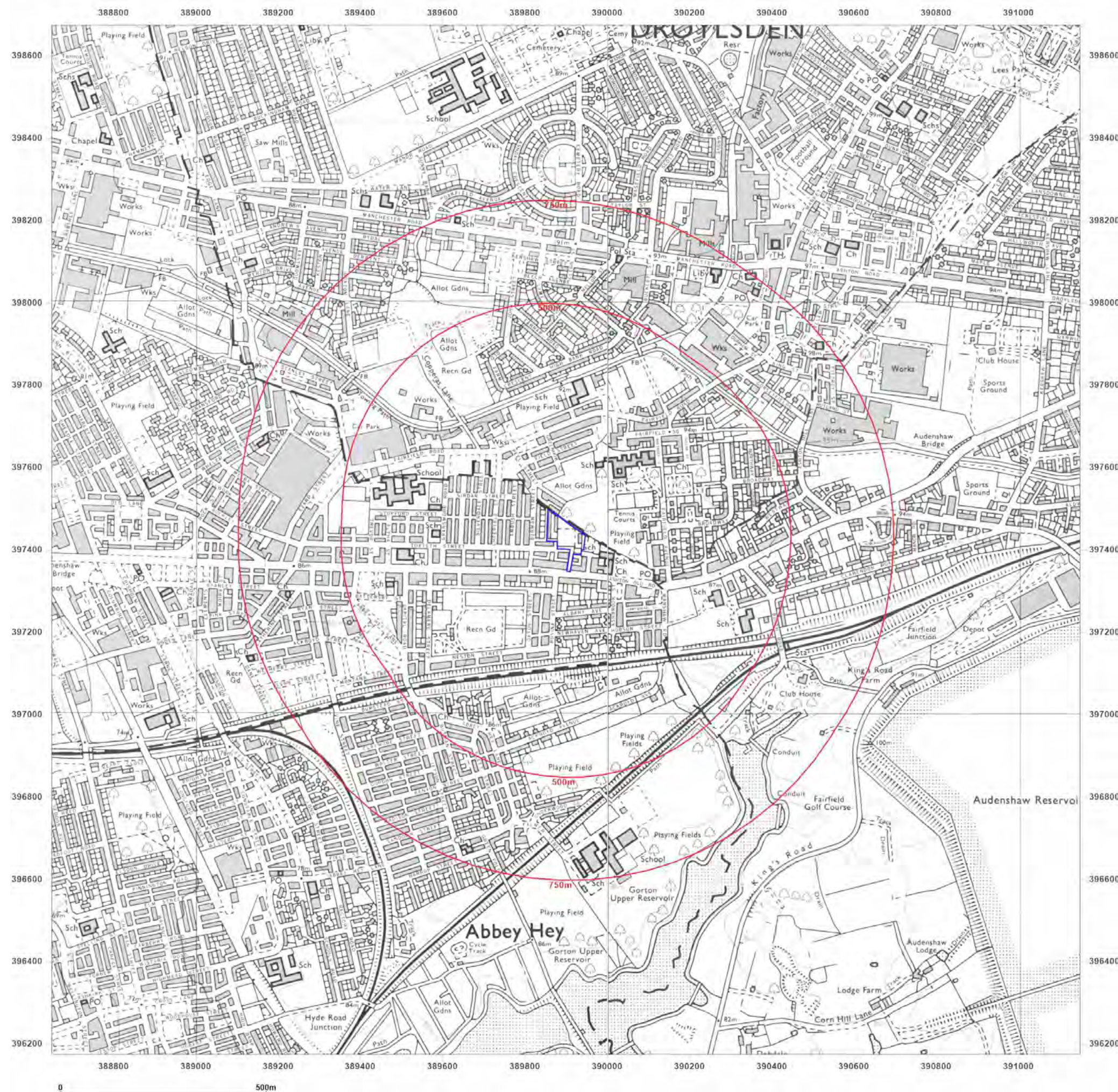


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1985-1989

Scale: 1:10,000

Printed at: 1:10,000



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

Surveyed 1988
Revised 1989
Edition N/A
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Levelled N/A

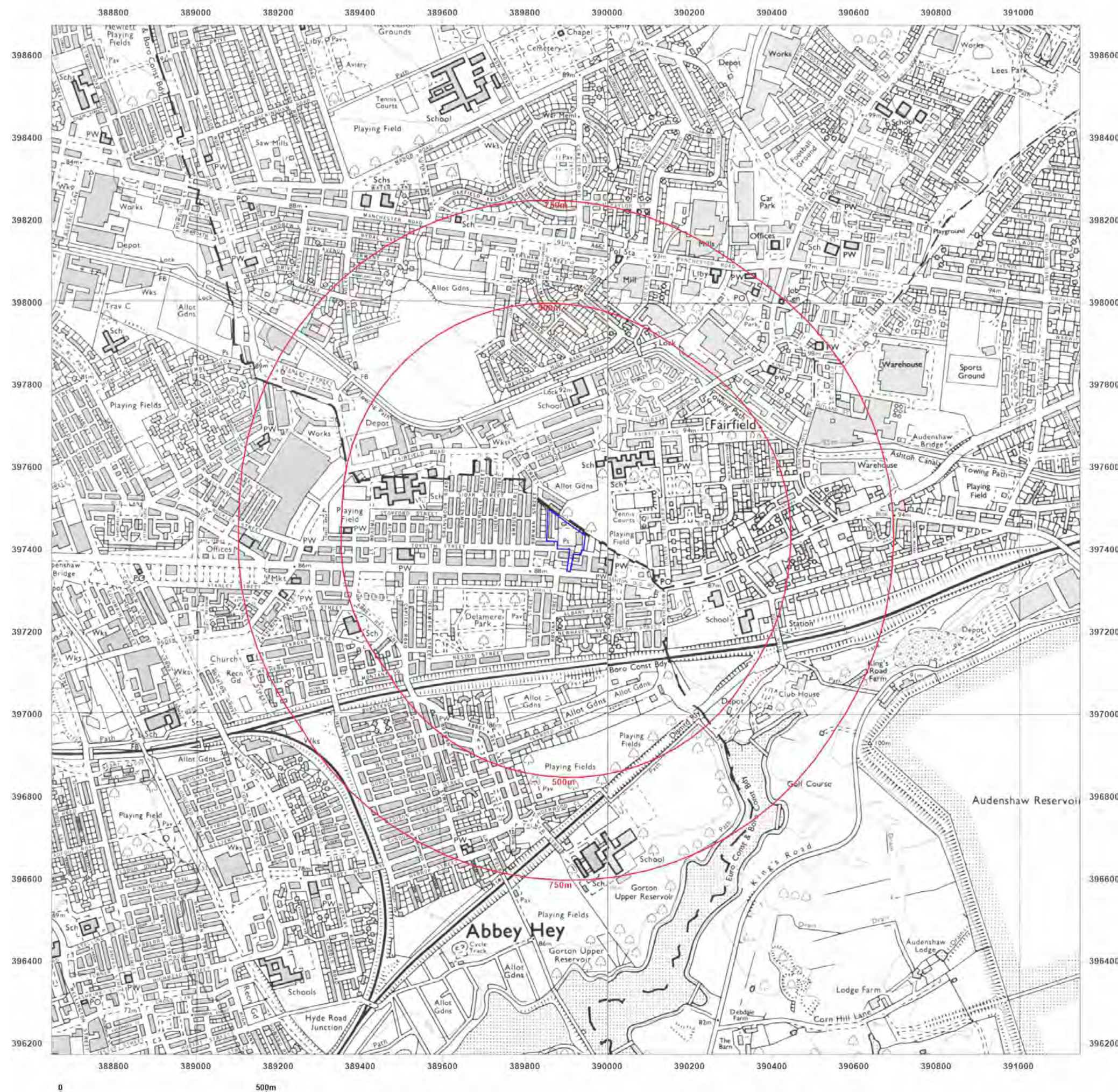


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 1991

Scale: 1:10,000

Printed at: 1:10,000



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

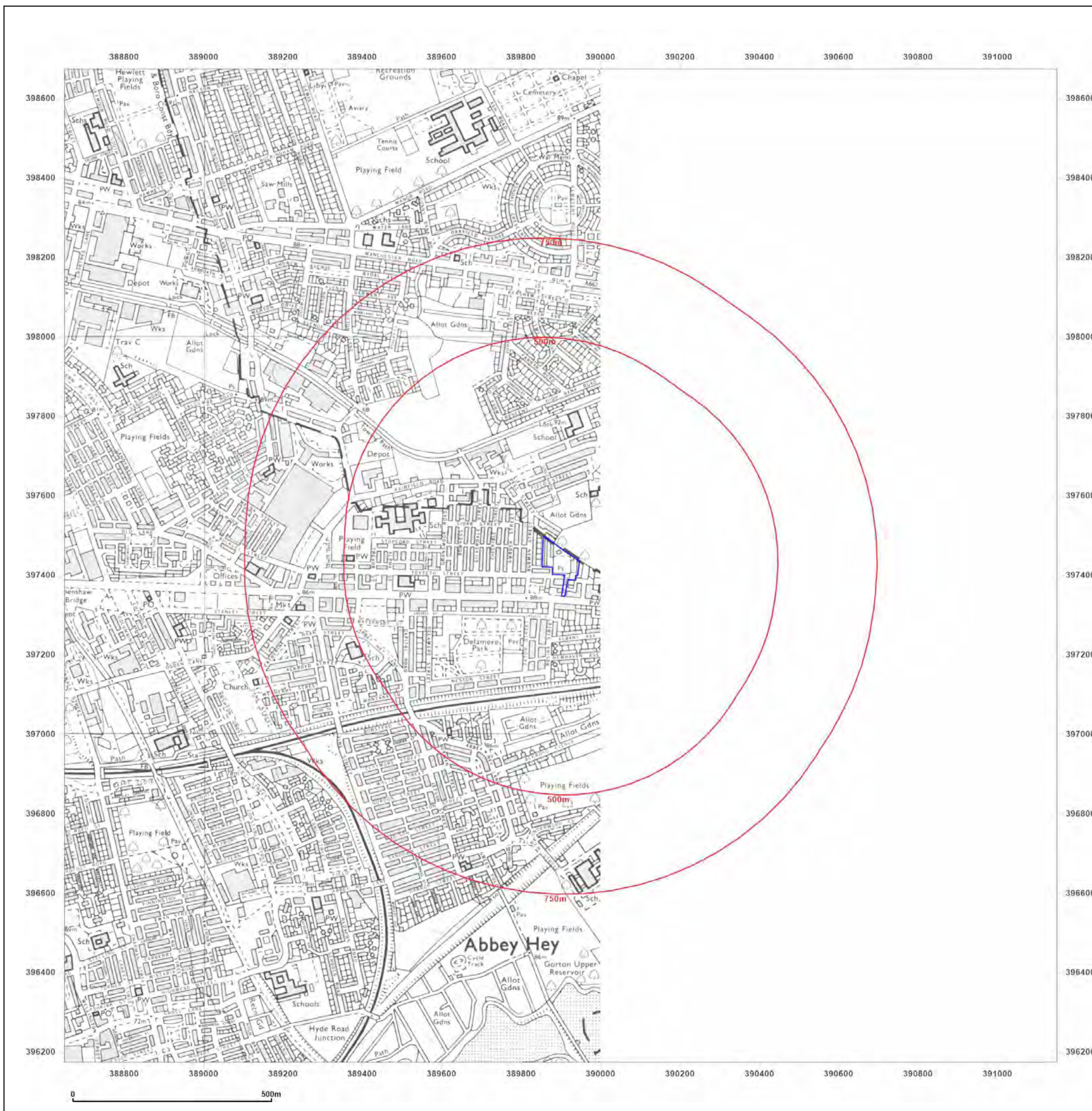


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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

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Client Ref: 42163
Report Ref: HMD-8521114
Grid Ref: 389899, 397424

Map Name: National Grid

Map date: 2022

Scale: 1:10,000

Printed at: 1:10,000

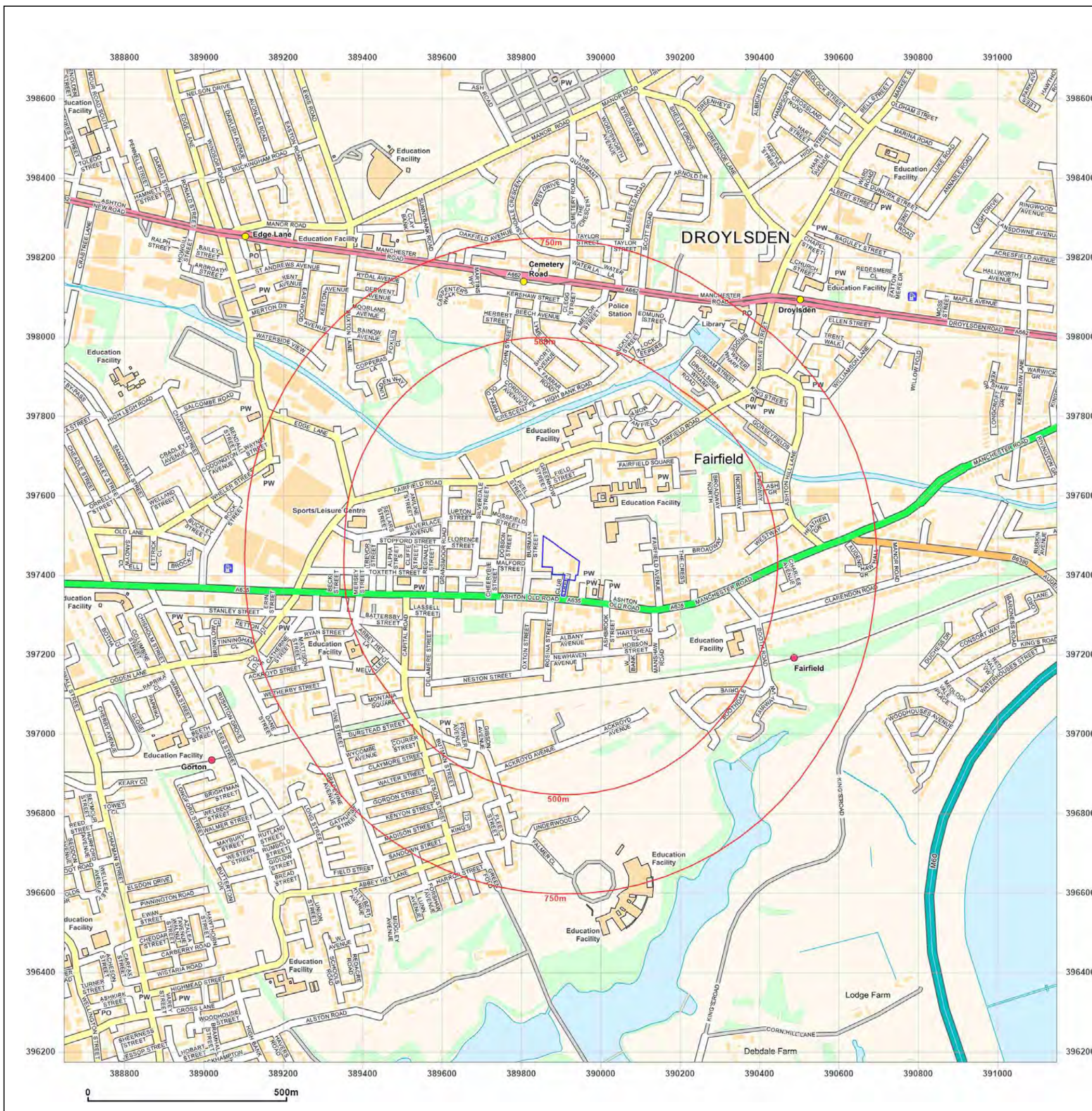


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APPENDIX E

Table - Qualitative Risk Classification Matrix

Probability (likelihood)	Consequence			
	Minor	Mild	Medium	Severe
High likelihood	Low risk	Moderate risk	High risk	Very High Risk
Likely	Low risk	Low to moderate risk	Moderate risk	High risk
Low likelihood	Very low risk	Low risk	Low to moderate risk	Moderate risk
Unlikely	Very low risk	Very low risk	Low risk	Low to moderate risk
No Pollutant Linkage	No potential risk			
Consequence	Minor	Mild	Medium	Severe
Ratings	- No measurable effect on humans - Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems - Repairable effects of damage to buildings, structures and services	- Exposure to human health unlikely to lead to "significant harm" - Equivalent to EA Category 3 pollution incident including minimal or short-lived effect on water quality; marginal effect on amenity value, agriculture or commerce - Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long term maintenance of the population - Minor damage to crops, buildings or property	- Elevated concentrations which could result in "significant harm" to humans health as defined by EPA 1990, Part 2A if exposure occurs - Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce - Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long term maintenance of the population - Significant damage to crops, buildings or property	- Highly elevated concentrations likely to result in "significant harm" to humans health as defined by EPA 1990, Part 2A if exposure occurs - Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce - Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long term maintenance of the population - Catastrophic damage to crops, buildings or property
Probability	Unlikely	Low likelihood	Likely	High likelihood
Classification	Improbable that exposure/event would occur even in the long term	Possible that exposure/event could occur. However, not certain that even over a long period that exposure/event would occur and is less likely in the shorter term	Probable that exposure/event would occur. However, exposure/event is not inevitable, but is possible in the short term and likely over the long term.	Exposure/event very likely in the short term and almost inevitable over the long term, or evidence at the receptor of harm or pollution