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HAWTHORN MEDICAL CENTRE

PHASE 1 PRELIMINARY RISK ASSESSMENT

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Client Name: NHS Property Ltd

Client Address: 99 Gresham Street, London, EC2 7NG

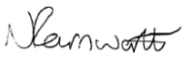
Site Address: Moseley Road, Fallowfield, Manchester M14 6PE

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Author	Signature	Date
R Baksh-Jones BSc (Hons) Geo-Environmental Engineer		16 June 2025

Reviewed	Signature	Date
J Lord BSc (Hons) MSc Senior Geo-Environmental Engineer		16 June 2025

Authorised	Signature	Date
Nial Farnworth BSc (Hons) MCIWEM C.WEM Principal Geo-Environmental Engineer		16 June 2025

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EXECUTIVE SUMMARY

Appointment	Curtins were instructed by NHS Property Ltd to undertake a Phase 1 Preliminary Risk Assessment of a parcel of land located within the Manchester University Armitage Sports Centre, off Moseley Road, Fallowfield, Manchester M14 6PE. The site is centered on NGR 386360, 393950 and covers an area of approximately 0.27 Ha. It is understood that there are proposals to construct a new 1 or 2 storey medical centre building with new access, hardstanding and infrastructure.
Current Site Status	The site is within the southeastern corner of the Armitage Sports Centre and comprises of an area of soft landscaping, including several mature trees within the southeast of the site. The site is a flat and level area of land.
Site History	In earliest mapping (1848) the site was a section within an agricultural field. Between 1907 and present day the parcel of land is part of a wider sports ground, formally known as Owens college, and then part of the grounds for the Armitage Sports Centre, part of Manchester University campus. The site has remained an area of playing fields to present day. From 1894 to 1900s residential expansion including roads and a railway line had been constructed within 300m of the site located east and south of the site. Further residential expansion is recorded south of the site from 1920s and then directly east of the site from 1930s. Commercial development is recorded 70m east of the site from 1990s. The area around the site currently broadly comprised of mainly residential development and sport pitches, including roads, a railway line and limited commercial development.
Geology	BGS mapping indicates the site is underlain by superficial deposits comprising Glacial Till Deposits (clay, sand and gravel). Underlying bedrock deposits comprise of sandstone of the Collyhurst Sandstone Formation.
Hydrogeology	The superficial deposits are designated as a Secondary Undifferentiated Aquifer. The bedrock formation is classified as a Principal Aquifer. The site is located within a Zone III Source Protection Zone (SPZ). There are no potable groundwater abstraction points located within 1km of the site.
Hydrology	The closest surface water feature is recorded to be an unnamed stream, located approximately 293m south-east of the site. There are no active surface water abstractions within 1km of the site. There are no active discharge consent recorded within 1km of the site. There have been 3 No. pollution incidents to controlled waters recorded within 500m of the site, the closest recorded as a Category 2 Significant Incident was recorded in 1992 relating to a sewage disposed into Cringle Brook.
Landfill and Pollution	No operational or historical landfills are recorded within 1km of the site. No active licensed waste management facility is located within 1km of the site. No active registered waste treatment or disposal site located within 1km of the site.
Unexploded Ordnance (UXO)	The site is recorded as being in a Moderate risk UXO area (11 and 50 bombs per 1000 acres). The Envirocheck Report historical mapping does not indicate any ruins, or buildings that were demolished during/immediately after WWII, on or immediately surrounding the site. The location, orientation and general setting of railway infrastructure on-site did not change following WWII. The likelihood of encountering UXO on site as part of the ground investigation works is low based on the available information and the risk is assessed as Low.
Initial Ground Contamination Assessment	The risk from contamination sourced within Made Ground soils to the site end-users (staff and patients) is considered to be **Low**. The risk contamination sourced within Made Ground soils to construction workers is deemed to be **Moderate/Low**. Workers should be provided with appropriate PPE and sanitary facilities to mitigate exposure to any potential contaminants on site. The risk posed to Controlled Waters (groundwater and surface water) is considered to be **Low**. There are no potable groundwater abstractions within 1km of the site. The nearest surface water feature is located approximately 293m southeast of the site (unnamed water feature). However the University of Manchester have confirmed there is a culvert which is located approximately 11m north of the site. It is unlikely that potential leachable contaminants of concern would migrate to the water feature.
Ground Engineering Considerations	Ground stability hazards are largely recorded as Very Low to No Hazard.
Recommendations	The following recommendations are made: • Undertake an intrusive ground investigation to collect soil chemical and geotechnical samples. • Undertake a GQRA as part of the ground investigation to refine the Conceptual Site Model and further assess contaminated land risks.

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1 INTRODUCTION

1.1 Project Background

Curtins were instructed by NHS Property Ltd to undertake a Phase 1 Preliminary Risk Assessment (PRA) of a parcel of land located within the Manchester University Campus, the Armitage Sports Centre, located off Moseley Road, Manchester, M14 6PE.

It is understood that there are proposals to construct a new 1 or 2 storey medical centre building with new access, hardstanding and infrastructure.

1.2 Scope of Services

The Phase 1 PRA is intended to provide an overview of the geo-environmental and geo-technical setting of the site. These works are undertaken in general accordance with the LCRM: Stage 1 risk assessment (Ref. 1).

Through this overview the Phase 1 aims to develop both a working conceptual and ground model for the site, as well as present an initial assessment of any risks that could be presented to the development including its intended end users and the wider environment.

Specifically, the Phase 1 provides an initial assessment of the site regarding:

a) Potential contamination of the site strata by historical and or current use;
b) The potential impact on the wider environment by historical and or current use of the site of interest;
c) The potential impact from surrounding land uses and other environmental factors;
d) Potential problems associated with geological features such as faulting, mineral extraction, mining, and land instability;
e) The location of apparent sub-surface structures that may affect the proposed redevelopment; and
f) The location of above-surface features that may affect the proposed redevelopment.

The Phase 1 PRA is a desk-based exercise written using information provided from a desk based environmental study and other information made available to Curtins from the Client. The PRA can be utilised to inform the requirement for, and extent of, any future investigation work.

Consideration of detailed flood risk, ecology and archaeological issues are outside of the scope of this report.

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2 CURRENT SITE AND SURROUNDING AREA DETAILS

2.1 Site Location and Current Details

Pertinent details for the site have been obtained from satellite imagery and are detailed in Table 1.

Table 1 – Site Details

Site Address	Moseley Road, Manchester, M14 6PE
NGR	386360, 393950
Area of Site	Approximately 0.27 Ha
Current Site Use and Description	The site comprises an area of soft landscaping, including several mature trees within the southeast of the site. The site is a flat and level area of land. There is no vehicular access to the site currently, temporary access may be made via the Armitage centre through the car park east of Chancellors Way and across grassland to west of the site.

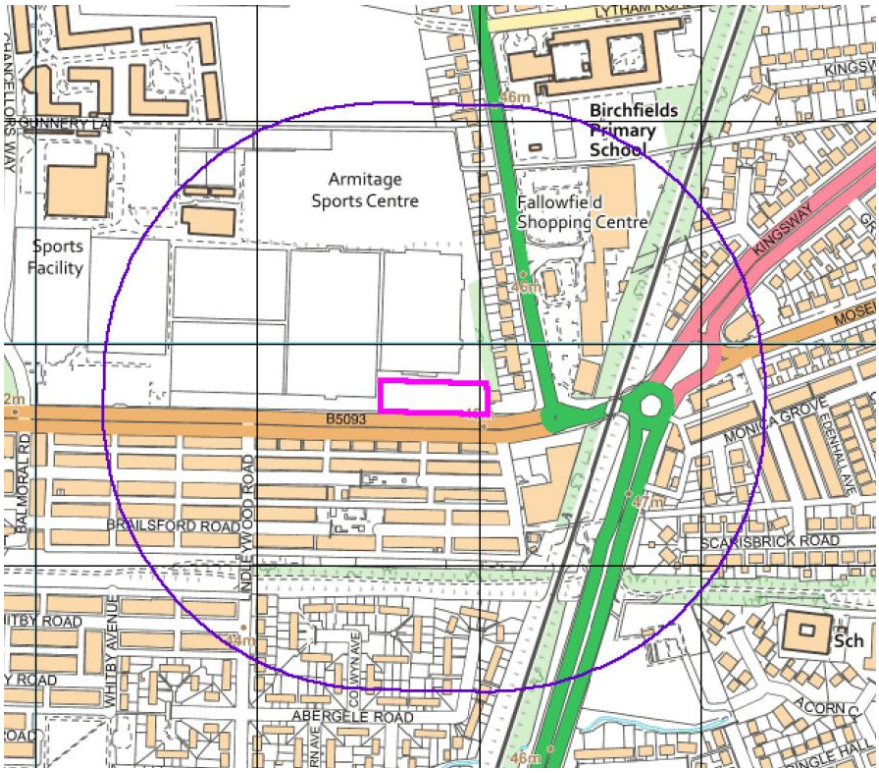


Figure 1 – Site Location Plan, site boundary shown in pink

2.2 Surrounding Area Details

The information detailed in Table 2 was established through undertaking an environmental database search (Envirocheck report (Ref. 2) included in *Appendix B*).

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Table 2 – Surrounding Area

Surrounding Area	N	Astroturf which forms part of the Armitage Sports Centre with playing fields and residential properties beyond.
	E	Car sales yard with A34 road/Kingsway road and railway line beyond.
	S	Moseley Road with residential properties beyond.
	W	Armitage Sports Centre pitches with a car park beyond.

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3 SITE HISTORY

A review of the available historical mapping and other information for the site, as presented within the Envirocheck report (Ref. 2), has been undertaken and is presented in Table 3. Bold text indicates within the site boundary.

Table 3 – Previous Site and Surrounding Area Uses and Potential Sources of Contamination

Date	Description	Potential Sources of Contamination
1848 – 1894	**In earliest mapping (1848) the site comprised of agricultural fields.** The surrounding area generally comprised of agricultural land with Fallowfield Brook located approximately 25m north of the site aligned east to west. By 1893 the Manchester Central Station Railway line is located approximately 70m south of the site. Significant residential development has been recorded from 300m to 1k away from the site.	• **No sources identified onsite.** • Potential for uncontrolled deposition of Made Ground, including ash type materials, during off-site construction and maintenance of the Railway.
1907 – 1923	**Land remains a field but is associated with part of the Owen's College Athletic Ground. The site is record as a Hockey Ground from 1920s.** By the 1900s, Owens's College Athletic Ground is recorded approximately 20m west of the site which comprises of a field and pavilion. Alwyn Road and residential properties have been constructed 20m south of the site. The Fallowfield Brook is now recorded 30m northeast of the site following northeast to southwest. The remaining brook, which was recorded parallel to the site, is assumed to be infilled and/or culverted. Construction of a new railway line is recorded 100m east of the site which is completed by 1920s. Further residential expansion is recorded 60m south of the site from 1920s and Mosley Road is recorded which was previously Alwyn Road.	• **No sources identified onsite.** • Potential for uncontrolled deposition of Made Ground, including ash type materials, during off-site construction and maintenance of the Railway, infilled Fallowfield brook/culvert and residential construction.
1930 - Present	**By 1933 the site is recorded as a parcel of land with the wider field recorded as an 'Athletic Ground' which is then renamed as 'Manchester University Athletic Ground' by 1957 and then renamed as the 'Armitage Sports Centre' between 2000 and 2017. The site remains as a field within the Armitage Sports centre to present day with several mature trees recorded on site. During 2016 to 2017 the Armitage centre artificial pitches have been constructed involving earthworks, the site doesn't appear to have been dug up however the top surface may have been disturbed with heavy traffic passing the site.** By 1930s residential properties have been built approximately 10m east of the site with mature trees recorded adjacent to the eastern boundary. A tramway line is recorded within Mosely Road south of the site until 1958 when the tramline is no longer recorded. Further residential expansion is recorded 125m east of the site. Commercial development recorded from 1990s 70m northeast of the site. The immediate surrounding area in 2025 comprises mainly of residential properties and sport pitches.	• **No sources identified onsite.** • Potential for uncontrolled deposition of Made Ground during off-site removal of the tramline tracks and residential expansion. • Potential for contamination from fuel/oil spillages or leakages from the roads and car parking off-site.

Potential sources of on-site contamination are further discussed in *Section 6.0*.

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4 GEOLOGY, HYDROGEOLOGY AND HYDROLOGY

4.1 Geology and Hydrogeology

A study of the Envirocheck records (Ref. 2), British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Stockport (Sheet 098) (Ref. 3) and BGS GeoIndex (Ref. 4) indicates the following geological and hydrogeological succession underlying the site, summarised in Table 4:

Table 4 – Geological / Hydrogeological Succession

Geology	Associated Hydrogeological Classification
BGS Records do not indicate the presence of Made Ground on site. Accounting for historic land use at the site, it is unlikely that a limited thickness of Made Ground soils will be present beneath the site.	N/A
Glacial Till[1]	Secondary Undifferentiated Aquifer[3]
Collyhurst Sandstone Formation[2]	Principal Aquifer[4]

Notes:

1. *A heterogenous mixture of clay, sand, gravel, and boulders varying widely in size and shape.*
2. *A soft red sandstone with abundant beds of "millet seed" sand grains alternating with beds of fine-grained sharp sand (Tonks, and others, 1931); some interbedded grey sandstones locally.*
3. *Secondary undifferentiated aquifers are aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics of the rock type, these aquifers have only a minor value*
4. *Principal and secondary aquifers provide significant quantities of drinking water, and water for business needs. They may also support rivers, lakes and wetlands.*

There are two BGS boreholes recorded within 100m site, however only one of these records are available to view and is presented within *Table 5*:

Table 5 – BGS Borehole Records

Record Number	Location	Details (Depth to base m bgl, Description and Thickness)
SJ89SE7	29m West 386283, 393941	**Ground Level not stated on Log.** 0.00m Soil (0.61m) 0.61m Illegible - may read 'soft red sand' (12.04m) **Borehole completed at 8.23m bgl.**

There is 1 No. geological fault line located approximately 20m west of the site boundary, striking north northeast to south southwest.

The site is recorded to be above a Secondary Undifferentiated Aquifer associated with the Glacial Till Deposits, and a Principal Aquifer within the Collyhurst Sandstone bedrock.

The site is recorded to be within a Zone III (total catchment) groundwater source protection zone (SPZ), which is the total area needed to support the discharge from the protected groundwater source.

There are no active groundwater abstractions or potable groundwater abstractions located within 1km of the site.

4.1.1 Mining

The Envirocheck Report (Ref. 2) and The Mining Remediation Authority's online interactive mapping (Ref. 5) confirms that the site is not situated within a coal mining reporting area.

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There are no BGS recorded mineral sites within 1km of the site boundary.

Based on the forgoing commentary the likelihood of encountering relic mining features on-site is unlikely and, therefore, has not been considered further.

4.1.2 Other Ground Stability Issues

The Envirocheck Report confirms the following in relation to potential geotechnical hazards highlighted in Table 6 below:

Table 6 – Ground Stability Hazards for the Site and Surrounding Area.

Ground Stability Hazard	Hazard Potential On-site	Hazard Potential Off-site
Collapsible Ground	Very Low – No Hazard	Very Low
Compressible Ground	Very Low – No Hazard	Very Low – No Hazard
Ground Dissolution (Soluble Rocks)	No Hazard	No Hazard
Landslide	Very Low	Low
Running Sand	Very Low – Low	Low – No Hazard
Shrinking or Swelling Clay	Very Low – No Hazard	No Hazard

Intrusive ground investigation works will confirm the nature of the ground conditions at the subject site.

4.1.3 Radon Ground Gas

The Envirocheck report (Ref. 2), BGS GeoIndex (Ref. 4) and UK Radon Mapping (Ref. 6) confirms the site is situated within a lower probability radon area (less than 1% of homes are estimated to be at or above the radon action level).

No radon protection measures are likely to be required.

If this document is being referred to by an employer/prospective employer utilising space in the proposed development as workplaces, they are reminded of their responsibilities in respect of radon in the workplace under the Health and Safety at Work Act 1974. This is a reminder of legal requirements an employer should be aware of and comply with. This is not related to and does not impact upon the Local Authority Planning requirements and the discharge of conditions advised by a planning application decision notice.

4.2 Hydrology

The closest surface water feature is recorded to be an unnamed water feature located approximately 293m south-east of the site, based on the Envirocheck Report (Ref. 2).

There have been 3 No. pollution incidents to controlled waters within 500m of the site, the closest located 255m southeast of the site where a Category 2 Significant Incident was recorded in April 1992, due to a sewage entering Cringle Brook.

There are no active surface water abstractions within 1km of the site.

There is no active discharge consent recorded within 1km of the site. The nearest recorded discharge consent was recorded 388m southeast of the site for the discharge of other matter – surface water in 1994 for a dentist/hospital/nursing home with the permit revoked in 1994.

Curtins have been provided with information which identifies a culvert for the Fallowfield Brook which is located 11m north of the site boundary and is aligned east to west. This culvert is not identified within the Envirocheck Report; however, the drawings provided within Appendix A show the culvert's location. These drawings include drawing number SK001 Rev B by Alan Wood & Partners and T7968/PH E01 Rev A by jpp consulting.

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4.3 Landfill and Pollution

The Envirocheck Report records no currently operational or historic landfills within 1km of the site.

There are no active licensed waste management facility located within 1km of the site.

There are no active registered waste treatment or disposal site located within 1km of the site.

There is 1 No. active local authority pollution prevention and control permits within 500m of the site, which is located 21m east of the site Birchfield's service station, relating to a Petrol Filling Station dated 1998 however this authorisation has been revoked.

There are 2 No. recorded locations of potentially infilled land within 250m of the site. These are located 11m north of the site which is describe as an infilled land (water) dated 1848 which is assumed to be the historic Fallowfield Brook. However this is assumed to now be the culvert which is shown in Appendix A. The second infilled land (water) is located 128m southwest of the site dated 1848.

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5 PRELIMINARY UNEXPLODED ORDNANCE RISK ASSESSMENT

Military activities including those conducted as part of both the First and Second World Wars have resulted in a legacy of unexploded ordnance (UXO) being present within the shallow soils of the UK.

UXO result from various sources including both allied (military training) and German (bombing raids) with a guide figure of approximately 10% of all munitions failing to function as designed.

An assessment of the likelihood of being UXO encountered has been undertaken to advise any intrusive ground investigation in the event that this is undertaken by Curtins. This risk is influenced by a number of factors including the proximity to strategic targets, the nature of the works being undertaken and evidence of local damage in the post-war periods amongst others. In order to determine the likelihood of UXO being present on a site, a stepwise risk assessment process is followed. This process is outlined within CIRIA C681 Unexploded Ordnance: A Guide for the Construction Industry (Ref. 7).

5.1 Preliminary UXO Assessment

It should be noted that the following assessment will only be applicable to future works with respect to ground investigation works completed by Curtins only. This may include trial pitting and/or boreholes to determine the nature of the ground conditions for geo-environmental and geotechnical information. Where the client is looking to determine the risk from UXO throughout the enabling works and construction phase of the below ground level development, the Principal Contractor appointed for the enabling and construction works must undertake their own risk assessment, with reference to their specific scope of works.

The risk presented by Unexploded Ordnance, identified using preliminary Unexploded Bomb (UXB) risk maps retrieved from Zetica UXO, and included in Appendix B (Ref. 8), indicates that the site is situated in a designated **Moderate**-Risk area in respect to the potential presence of UXB as a result of World War Two bombing. Moderate risk areas are defined as regions that show a bomb density of between 11 and 50 bombs per 1000 acres and that may contain potential WWII targets. Action to mitigate the risk is considered essential, albeit more likely that a reduced scope of work is required compared with that needed for high-risk regions.

The Envirocheck Report historical mapping (Ref. 2) does not indicate any ruins, or buildings that were no longer recorded in post-WWII mapping records, on or surrounding the site. The location, orientation and general setting of railway infrastructure on-site did not change following WWII.

Based on the forgoing commentary, the likelihood of encountering UXO on site as part of the intrusive ground investigation works is **Low**.

If unexploded ordnance is discovered, stop immediately, prevent access to the area, and inform the police. If the site boundary or location changes then the UXO risk should be reassessed.

Where the client is looking to determine the risk from UXO throughout the enabling works and construction phase of the below ground level development, the Principal Contractor appointed for the enabling and construction works must undertake their own risk assessment, with reference to their specific scope of works.

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6 CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT

The conceptual site model (CSM) and Qualitative Risk Assessment (QRA) are presented in the table presented in this section.

The CSM details the source-pathway-receptor linkages or potential pollutant linkages (PPL) that have been identified for the site. The QRA details the associated level of risk relating to these potential pollutant linkages.

The CSM and QRA concern risk to human health and water environment with additional, more specific risk assessment protocols contained within the main body of this reporting, as detailed in *Section 6.1* below.

The QRA follows the framework outlined within CIRIA C552 which is summarised within *Appendix C.*

The 'risk rating' within the QRA refers to the risk that the source, pathway, receptor linkage or PPL is complete. Unless specifically stated it does not necessarily refer to an immediate risk and is intended to be used as a tool to assess the necessity for further assessment/investigation.

6.1 Additional Risk Assessments

The following risk assessments, listed below, are not included within the main CSM and QRA but none-the-less can be of critical importance to the onward development of the site.

- The risk presented by Mining is discussed and assessed in Section 4.1.1.
- The risk presented by Radon is discussed and assessed in Section 4.1.3.
- The risk presented by Unexploded Ordnance is discussed and assessed in Section 5.1.

Under current health and safety legislation, employers are required to carry out their own appropriate risk assessments and mitigation to protect themselves and their employees, other human receptors, and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations (2015) (Ref. 9) which require that potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate / manage that risk. It has been assumed that any future construction works on site will be undertaken in compliance with these requirements.

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Qualitative Risk Assessment → Generic Quantitative Risk Assessment → Detailed Quantitative Risk Assessment or; Remedial Action

- The table below represents the first stage in the land quality risk assessment process: The Qualitative Risk Assessment.
- For a development site to be deemed 'suitable for use', the level of risk needs to be brought down to acceptable levels, i.e. low to negligible risk. The purpose of each stage of risk assessment is ultimately to establish, if there is a requirement for additional levels of assessment to be made to have sufficient confidence to support a risk characterisation or management decision, e.g. remedial action.
- In the absence of specific site data, a Generic Quantitative Risk Assessment is invariably recommended.

Table 7 - Preliminary Conceptual Site Model

Conceptual Site Model			Qualitative Risk Assessment			
Source	**Pathway(s)**	**Receptor(s)**	**Consequence**	**Likelihood of Occurrence**	**Risk Rating**	**Recommended Actions**
	Direct contact, ingestion, inhalation (dust and vapours)	**End user of site** Staff and patients	**Medium** Chronic health risk	**Unlikely** Based on the historical mapping, it is unlikely that localised Made Ground soil contamination sources will be present beneath parts of the site. Development proposals include the construction of a new one or two storey medical centre building with associated car parking. The presence of hardstanding will break the source pathway receptor linkage for direct contact. Limited potential vapour sources identified.	**Low**	**Generic Quantitative Risk Assessment** Recommended as part of a ground investigation to confirm or otherwise.
		Construction Workers	**Medium** Chronic health risk	**Low Likelihood** Workers should be provided with appropriate PPE and sanitary facilities to mitigate exposure to any potential contaminants on site.	**Moderate/ Low**	**Construction Workers should be provided with appropriate PPE.**
On-Site Sources of Potential Contamination: • Anticipated Made Ground onsite from nearby sources. **Off-site Sources of Potential Contamination:** • Uncontrolled deposition of Made Ground during the construction of roads and houses adjacent to the site's boundaries.	**Vertical Migration through the superficial deposits** Physical processes including; capillary action and downwards into the natural deposits through infiltration.	**Controlled Waters** (Groundwater) Secondary Undifferentiated Aquifer in superficial deposits. Principal Aquifer in bedrock deposits. Site is located within a designated Zone III Source Protection Zone. There are no potable groundwater abstractions within 1km of the site.	**Medium** Pollution of sensitive water resources	**Unlikely** Superficial deposits are indicated as Glacial Till Deposits, anticipated to comprise of a mix of clay, sand and gravel. It is possible that a pathway exists for leachable contamination from potential Made Ground to enter the Principal Aquifer within the bedrock deposits. However given the non-porous properties of the superficial, and that there are no sources of significant or gross contamination, this is unlikely. There is also no potable groundwater abstractions are located within 1km of the site.	**Low**	**Ground Investigation** Should evidence of gross contamination in soil or groundwater be encountered during ground investigation, groundwater samples should be taken, the risk should be reassessed and Generic Quantitative Risk Assessment carried out.
	Horizontal Migration over and through the superficial deposits (soils) May occur due to the influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. sand lenses or drainage runs.	**Controlled Waters (Surface Water)** Nearest surface water feature is a culvert noted 11m north. No surface water abstraction points within 1km.	**Medium** Pollution of sensitive water resources	**Low Likelihood** The nearest noted surface water receptor is a culvert located approximately 11m north of the site. Given the distance away from site the potential for contamination from site to reach the water course is unlikely.	**Moderate/ Low**	**Ground Investigation** Should evidence of gross contamination in soil or groundwater be encountered during ground investigation, groundwater samples should be taken, the risk should be reassessed and Generic Quantitative Risk Assessment carried out.
On and off-site soils with the potential to generate ground gases: • Potential for Made Ground onsite with unknown material that has the potential to contain organic / putrescible material. • Localised organically rich deposits present within the natural soils. • Infilled land located 11m north of the site and 128m southwest of the site.	**Vertical and horizontal migration through existing service corridors and the underlying superficial deposits**	**End user of site**	**Medium** Acute health risk, e.g. asphyxiation or risk from explosion	**Low Likelihood** There is potential for gas generation from any localised organically rich deposits present in the Made Ground. There is recorded infilled land within close proximity to the site, 11m north, which is assumed to be the historic Fallowfield Brook.	**Moderate/ Low**	**Generic Quantitative Risk Assessment** Recommended as part of a ground investigation to confirm or otherwise.

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7 CONCLUSION AND RECOMMENDATIONS

The qualitative risk assessment (QRA) determined a varied level of level of risk associated with the proposed development, with respect to human health and controlled waters.

The QRA concluded by recommending that generic quantitative risk assessments (GQRA) were conducted to confirm the assessment of risk ascribed to each of the respective potential pollutant linkages (PPLs). It is recommended that the GQRA is conducted as part of a ground investigation in support of the engineering design of the proposed development an outline scope for which is detailed in the section hereafter.

In summary, the following recommendations are made:

- Undertake an intrusive ground investigation to collect soil chemical and geotechnical samples.
- Undertake a GQRA as part of the ground investigation to refine the Conceptual Site Model and further assess contaminated land risks.

It is further recommended that this work is completed in advance of any development works taking place.

7.1 Contaminants of Concern

Potential contaminants of concern associated with the sources identified within the Site History and the Conceptual Site Model in Sections 4.0 and 6.0 respectively include but are not limited to: broad range aliphatic and aromatic hydrocarbons present within any fuel oils; semi-volatile and volatile organic contamination polycyclic aromatic hydrocarbons (PAHs); inorganic compounds including heavy metals, cyanide, thiocyanate, ammoniacal nitrogen, and asbestos.

Potential contaminants associated with the air-born dust/particulates include but are not limited to polycyclic aromatic hydrocarbons and inorganic compounds including toxic metals that are also accounted for by potential on-site contaminants of concern.

7.2 Other Considerations

The requirement for additional surveys, e.g. arboricultural, archaeological and ecological surveys, should be confirmed through advice from a suitably qualified and experienced professional.

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8 REFERENCES

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7. **CIRIA** (2009) Unexploded Ordnance: A Guide for the Construction Industry (Report no. C681).
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9 APPENDICES

Appendix A – Drawings

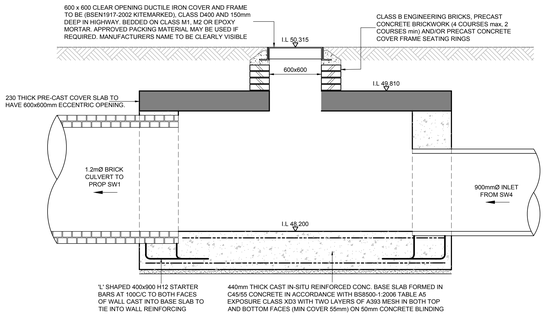
Appendix B – Envirocheck Report

Appendix C – Qualitative Risk Assessment Rationale

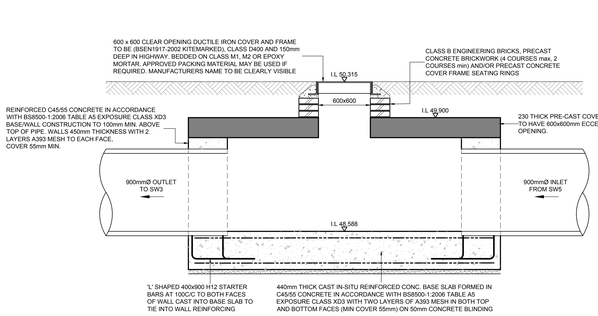
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Appendix A

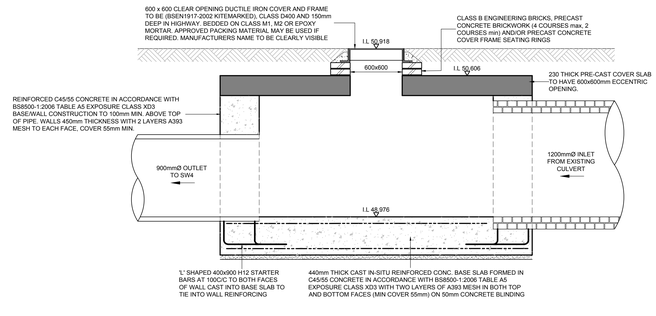
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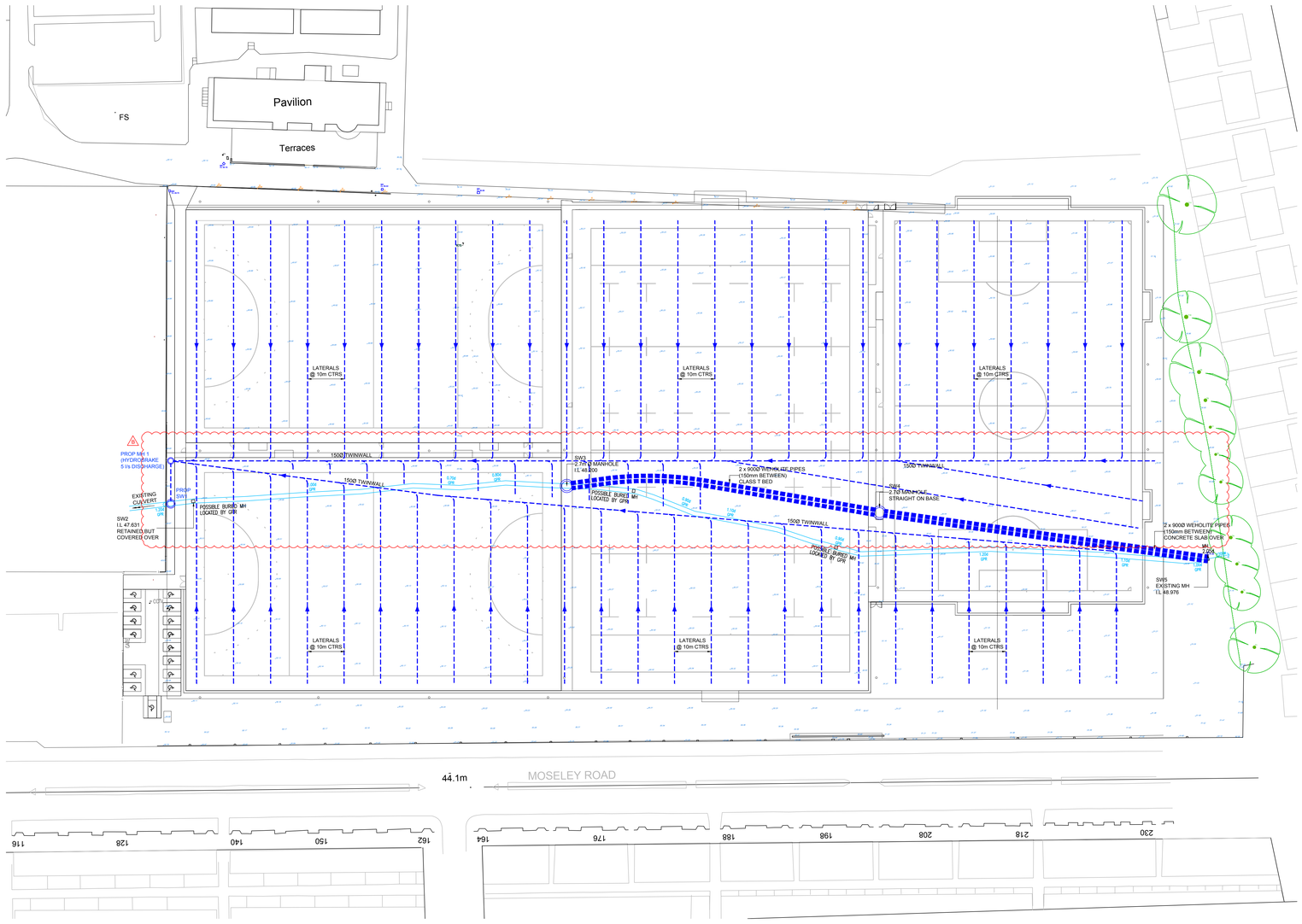
TYPICAL SECTION SW3
SCALE 1:25

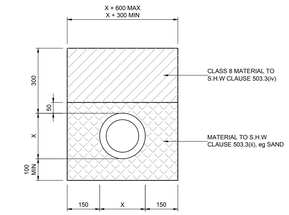


TYPICAL SECTION SW4
SCALE 1:25

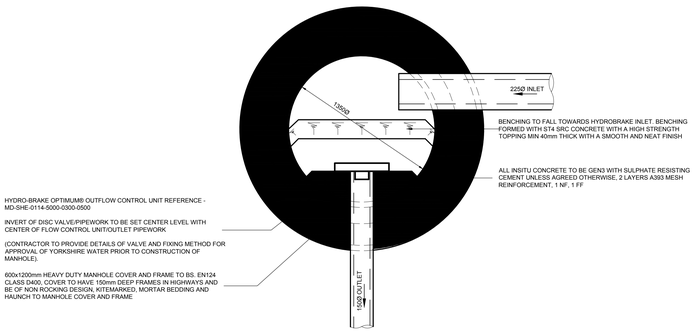


TYPICAL SECTION SW5
SCALE 1:25

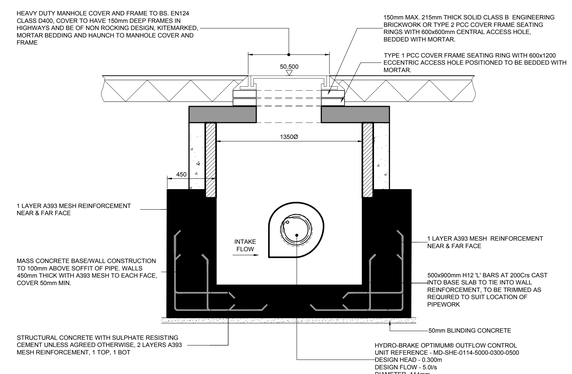




CARRIER DRAINS TYPE T
BEDDING DETAIL
SCALE 1:10



PLAN



SECTION

PROPOSED MANHOLE 1
SCALE 1:20

Notes

A01. THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXISTS THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.

A02. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.

A03. DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.

A04. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE AND ENSURE THAT THE BUILDING AND ITS COMPONENTS ARE SAFE DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS WHICH MAY BE NECESSARY, SUCH MATERIAL REMAINING THE PROPERTY OF THE CONTRACTOR ON COMPLETION, AND FOR ENSURING THAT THE WORKS AND ANY ADJACENT PROPERTIES ARE SAFE IN THE TEMPORARY CONDITION.

NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR PERMISSION IN WRITING FROM ALAN WOOD & PARTNERS.

Rev.	Description	Date	Drn.	Chk.
B	LAYOUT OF PITCH DRAINAGE AMENDED	25/05/16	KR	AR
A	SECTIONS AND BEDDING DETAIL ADDED. NOTES/ I.L AMENDED ON PLAN	20/05/16	PS	AR

Alan Wood & Partners

Hull Office
341 Beverley Road
Hull
HU5 1LD

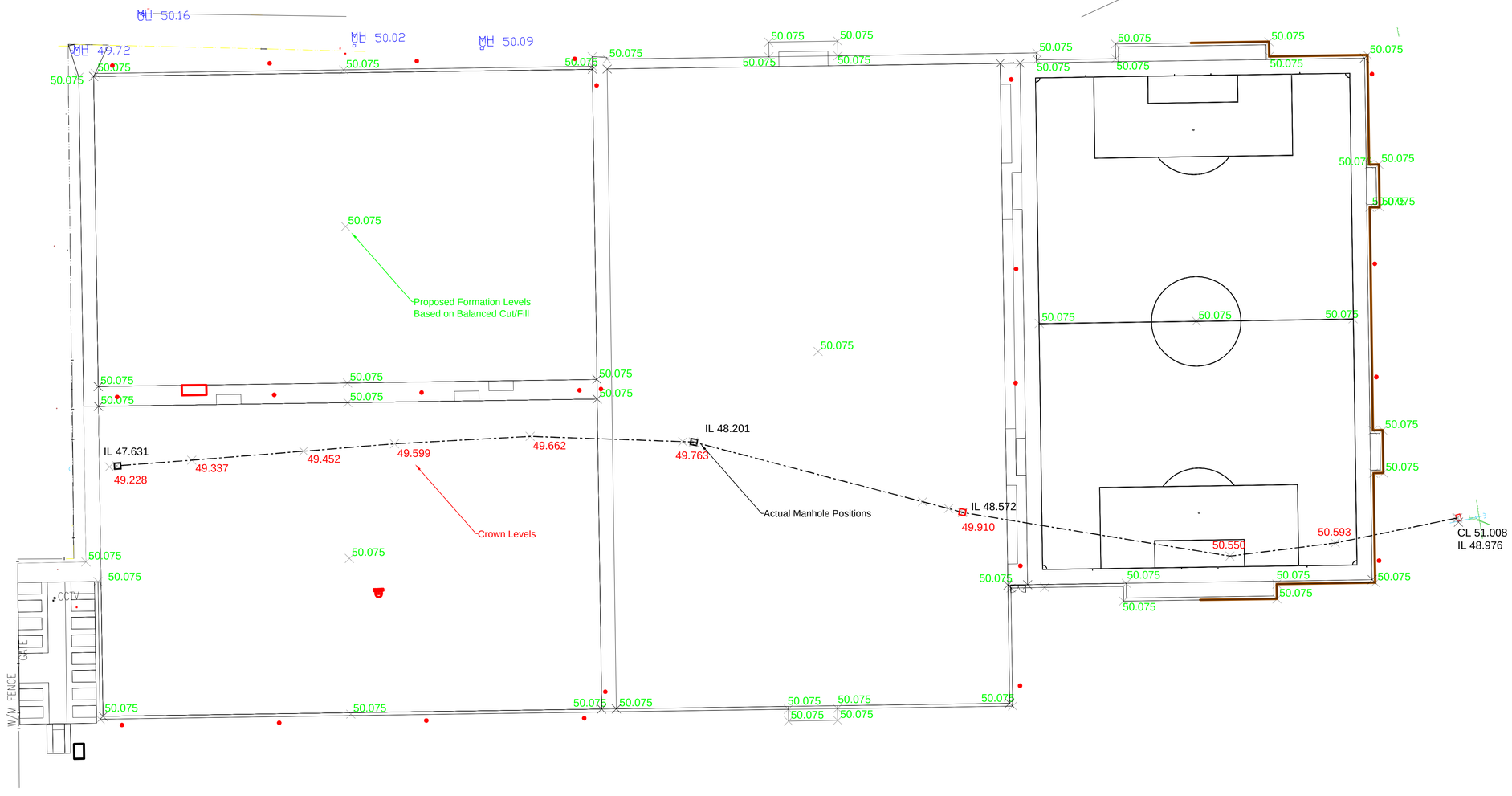
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F. 01482 446086
www.alanwood.co.uk

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Project Managers
Building Surveyors

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Scarborough T. 01723 865464
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Sheffield T. 01142 440077

Project:	CONSTRUCTION OF NEW SPORTS PITCH AT UNIVERSITY OF MANCHESTER
Client:	SIS UK LTD
Drawing:	PRELIMINARY DRAINAGE DESIGN
Date: 13.04.16	Scale@A0: 1:500
Drawn By: PS	Check By: AR / Approved By: CS
Drawing Status:	PRELIMINARY
Job. no. 37903	Dwg. no. SK001 / Rev. B

100mm at A0



LEGEND:-

- SURVEY STATION
- MH MAN HOLE
- IC INSPECTION CHAMBER
- RG ROAD GULLY
- SV STOP VALVE
- BT BT SERVICES
- LP LAMP POST
- LC LIGHTING COLUMN
- TP TELEGRAPH POLE
- SP SIGN POST
- EP ELECTRICITY POLE
- SPOT LEVEL
- CTV CABLE TV
- FH FIRE HYDRANT
- EAVES EAVES
- RIDGE RIDGE
- TREE
- BUSH
- GATE
- Bol BOLLARD
- PYLON
- Column COLUMN
- GAS GAS STOP VALVE
- Stump TREE STUMP
- Earth Rod EARTH ROD
- Service Drain SERVICE DRAIN
- WT WATER STOP VALVE
- ROAD
- FENCE
- BUILDING
- TOP OF BANKING
- BOTTOM OF BANKING
- VEGETATION
- FOOTPATH
- WALL
- MINOR CONTOUR
- MAJOR CONTOUR
- DTM TRIANGLE
- RAILWAY TRACK
- OVERHEAD ELECTRIC POWERLINE
- ROAD MARKING
- ROAD CENTRE LINE

N

APPROXIMATE N.G. NORTH

Groundwork Services
(Durham) Limited

Civil Engineering - Plant Hire - Sports Field Construction

www.groundworkservicesdurham.co.uk

University of Manchester
The Armitage Centre
Manchester
JOB TITLE

Support in Sport
Maryport
Cumbria
CLIENT

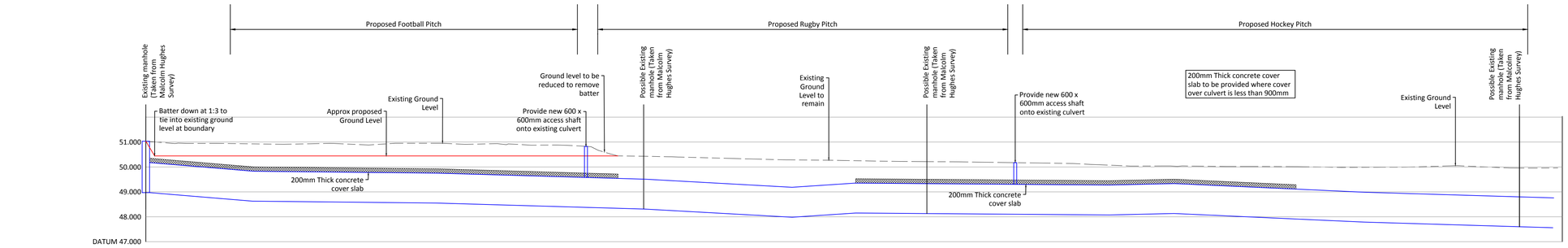
Existing Culvert Position
Showing Crown & Invert Levels
Levels
DRAWING TITLE

1:500 @ A1	JB
SCALE	DRAWN
21/04/16	FJB
DATE	APPROVED

Groundwork Services (Durham) Ltd
Whitbury New Town House
Thistle Road
Littleburn Industrial Estate
Langley Moor
Durham
DH7 8HJ
Tel : 0191 3782777
Fax : 0191 3781977
jbarron@gwsdurham.co.uk

REV.	AMENDMENT	DRAWN	CHECKED

-	-	-
PROJECT No.	DRG No.	REV.



CHAINAGE	0.000	25.000	50.000	75.000	100.000	125.000	150.000	175.000	200.000	225.000	250.000	275.000	283.995 284.897
EXISTING LEVEL Taken from Topographical Survey	51.031	50.919	50.950	50.903	50.431	50.304	50.227	50.172	50.036	50.017	49.991	49.958	49.961

NOTES

GENERAL

This drawing is to be used in conjunction with all relevant drawings, specifications and details.

All dimensions are in millimetres unless noted otherwise.

Do not scale from this drawing.

Topographical survey taken from Surfacing Standards Limited drawing 'SSL1899 - T1 - Artificial Grass Pitches Topographical Survey'

OS Data taken from Surfacing Standards Limited drawing 'SSL1899 - T1 - Artificial Grass Pitches Topographical Survey'

Existing Culvert information taken from Malcolm Hughes Land Surveyors Survey '17356/CUL - Culvert Trace'.

Proposed Layout taken from Surfacing Standards Limited drawing 'SSL1899 - 03 - Artificial Grass Pitches Proposed Plan'

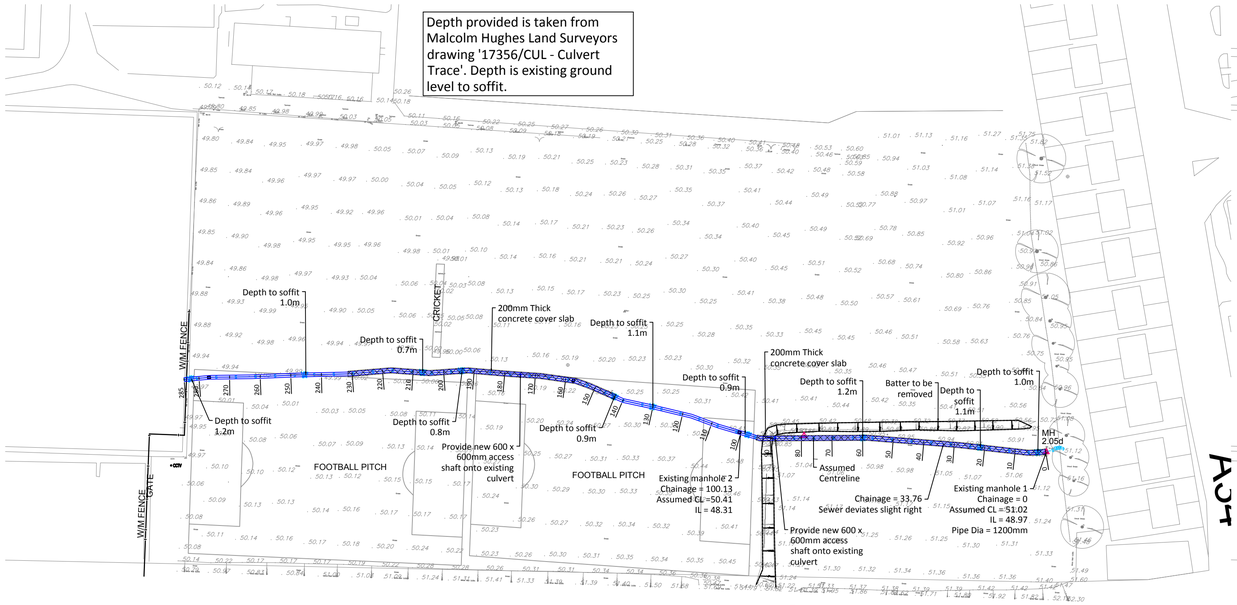
KEY:

50.13 Existing Ground Level

10 Chainage Markers

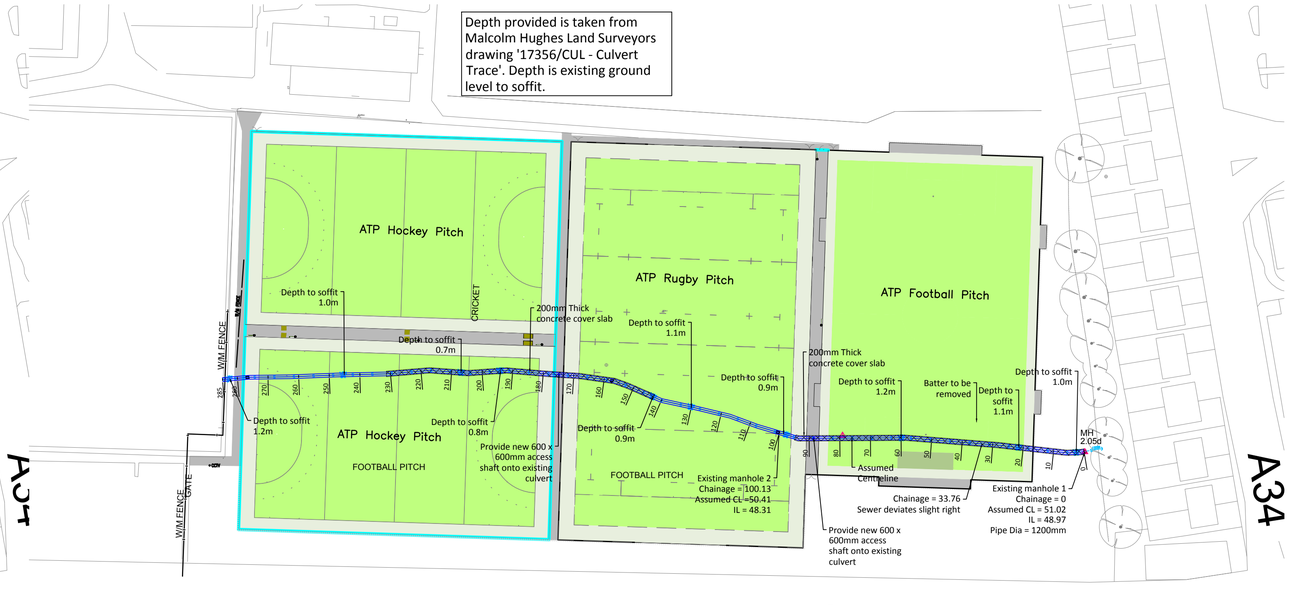
Culvert Long Section

Depth provided is taken from Malcolm Hughes Land Surveyors drawing '17356/CUL - Culvert Trace'. Depth is existing ground level to soffit.



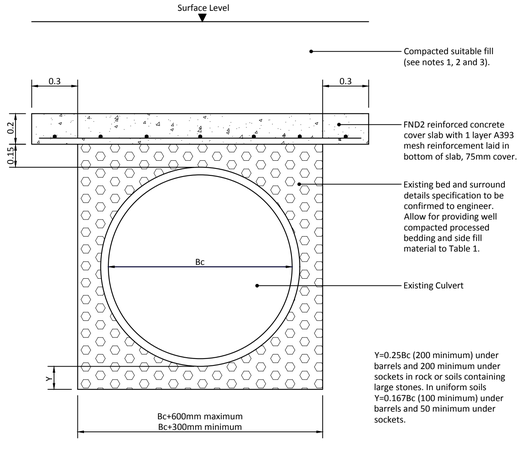
Existing Layout

Depth provided is taken from Malcolm Hughes Land Surveyors drawing '17356/CUL - Culvert Trace'. Depth is existing ground level to soffit.



Proposed Layout

All works subject to land drainage consent application and approval from the lead local flood authority.



Section of Rigid Carrier Drain with Bridging Slab

Notes and Specification

1. Suitable fills shall be capable of accepting compaction plant subject to the Engineer's approval and shall exclude boulders, lumps of concrete, bricks, timber and vegetable matter.
2. Where the pipe is installed in areas which are paved or future settlement of back fills is not acceptable then back filling of the trench shall be carried out using type 1 sub-base to the Highways Agency specification for Highway Works compacted to the same specifications.
3. Back filling and compaction of suitable fills shall not be carried out until the concrete slab has obtained sufficient strength to accommodate back filling operations.
4. Movement joints shall be formed at intervals not exceeding 6.0m centers and comprise 20mm thick compressible filler board placed between slabs.
5. Cover to pipes shall be
   (1) 900mm or less in landscape areas, foot ways, gardens or fields
   (2) 1200mm or less to finished level of main road pavements.
6. Workmanship shall be in accordance with BS 8000 - 14:1989

NOTES AND SPECIFICATION

1. Processed granular bedding and side fill materials shall include aggregates to BS EN 12620 + A1 and lightweight aggregates to BS EN 13055-1 and shall be graded as defined in the following tables:

TABLE 1

Pipe Nominal Size (mm)	Maximum Partical Size (mm)	Class of Bedding	Maximum CF Value	Material
100	10	S B	0.15 0.30	10mm nominal single size
over 100 to 150	15	S B	0.15 0.30	10 or 14mm nominal single size or 14 to 5mm graded.
over 150 to 300	20	S B	0.15 0.30	10, 14 or 20mm nominal single size or 14 to 5mm graded or 20mm to 5mm graded.
over 300 to 550	20	S B	0.15 0.30	14 or 20mm nominal single size or 14 to 5mm graded or 20mm to 5mm graded.
over 550	40	S B	0.15 0.30	14, 20 or 40mm nominal single sized crushed rock or 14 to 5mm graded or 20mm to 5mm graded or 40 to 5mm graded.

2. The sulphate content of bedding and side fill materials shall not be greater than 0.3% as sulphur trioxide.
3. The above specification has been produced based on the Water Industry specification publication No. 4-08-01 (issue 4) February 1994.
4. Compaction factor (CF) shall be determined in accordance with water industry publication No 4-08-02 (issue 1) February 1994 - appendix B.

Rev A Access shafts added to plan view drawing following comments from Surfacing Standards Limited — By TL Checked TH Date 19.10.2015

jpp consulting
Civil & Structural Engineers
Cedar Barn, White Lodge, Walgrave, Northampton NN6 9PY
T: (01604) 781811 E: mail@jppuk.net
F: (01604) 781999 W: www.jppuk.net

Client SURFACING STANDARDS

Project CULVERT WORKS UNIVERSITY OF MANCHESTER

Title PROPOSED CULVERT WORKS

Scale at A1	1:1000	Drawn by	TL	Checked by	TH	Date	OCTOBER 2015

Status	Project ref	Drawing no.	Revision
FOR TECHNICAL APPROVAL	T7968/PH	E01	A

Appendix B

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
375531898_1_1

Customer Reference:
EBMA22988

National Grid Reference:
386360, 393950

Slice:
A

Site Area (Ha):
0.27

Search Buffer (m):
1000

Site Details:

Birchfields Road
MANCHESTER
M14 6PE

Client Details:

Miss R Tidsey
Curtins Consulting Ltd
Merchant Exchange
17-19 Whitworth Street West
Manchester
M1 5WG

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Report Section	Page Number
Summary	-
Agency & Hydrological	1
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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Report Version v53.0

Contents

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			4	3
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2		1		6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters	pg 3			3	8
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5				(*8)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones	pg 8	1			
Extreme Flooding from Rivers or Sea without Defences	pg 8		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 8		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8		1	6	26
Water Framework Directive - Catchment	pg 12	Yes	Yes		Yes
Water Framework Directive - Groundwater	pg 12	Yes			
Water Framework Directive - Surface Waters					

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Summary

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Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 13	1	n/a	n/a	n/a
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Potentially Infilled Land (Non-Water)					
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Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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Summary

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BGS 1:625,000 Solid Geology	pg 16	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 16	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages	pg 19				Yes
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 20	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
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Fuel Station Entries	pg 28		1		1
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Points of Interest - Manufacturing and Production	pg 31				1
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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (N)	0	1	386359 393951
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	188	1	386350 393750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	198	1	386600 394000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	198	1	386550 394100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	346	1	386600 394250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	445	1	386850 393900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	457	1	386650 394350
1	**Discharge Consents** Operator: Barratt Manchester Ltd Property Type: DENTIST/HOSPITAL/NURSING HOME (MEDICAL)/HUMAN HEALTH Location: Former Duchess Of York Hospital Cringle Lane, Burnage, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991372 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Unnamed Watercourse O/F2 **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	388	2	386600 393600
1	**Discharge Consents** Operator: Barratt Manchester Ltd Property Type: DENTIST/HOSPITAL/NURSING HOME (MEDICAL)/HUMAN HEALTH Location: Former Duchess Of York Hospital Cringle Lane, Burnage, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991371 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Canal Receiving Water: The Peak Forest Canal **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	388	2	386600 393600
2	**Discharge Consents** Operator: Barratt Manchester Ltd Property Type: DENTIST/HOSPITAL/NURSING HOME (MEDICAL)/HUMAN HEALTH Location: Former Duchess Of York Hospital Cringle Lane, Burnage, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991373 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Canal Receiving Water: The Peak Forest Canal **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	447	2	386700 393600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Barratt Manchester Ltd Property Type: DENTIST/HOSPITAL/NURSING HOME (MEDICAL)/HUMAN HEALTH Location: Former Duchess Of York Hospital Cringle Lane, Burnage, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991374 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Canal Receiving Water: The Peak Forest Canal **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	447	2	386700 393600
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Holland St/Butler St, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0036 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	599	2	385980 393440
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Victoria Road/Osbourne Ro, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0379 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14NW (E)	608	2	386970 394190
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Palmerston Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0196 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th October 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	921	2	385930 393100
6	**Local Authority Pollution Prevention and Controls** Name: Birchfields Service Station Location: Moseley Road/Birchfields Road, Fallowfield, MANCHESTER, Lancashire, M14 6PN Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/010/06 Dated: 22nd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	21	3	386428 393945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Local Authority Pollution Prevention and Controls** Name: S Marshall Motor Engineers Location: 65-67 Ladybarn Lane, MANCHESTER, Lancashire, M14 6YL Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/16/05/AW Dated: 16th September 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	544	3	385911 393570
8	**Local Authority Pollution Prevention and Controls** Name: Mr Bubbles Location: 246 Wilmslow Road, Fallowfield, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/16/07 Dated: 12th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	768	3	385556 394101
9	**Local Authority Pollution Prevention and Controls** Name: R & B Motors Location: 1 St George's Road, Fallowfield, Manchester, Lancashire, M14 6sx Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/14/05/AW Dated: 16th March 1994 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	855	3	386019 393135
9	**Local Authority Pollution Prevention and Controls** Name: R & B Motors Location: 1 St Georges Road, MANCHESTER, Lancashire, M14 6SX Authority: Manchester City Council, Environmental Health Department Permit Reference: 01/91 Dated: 3rd July 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status:** **Authorisation has varied** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	857	3	386015 393135
10	**Local Authority Pollution Prevention and Controls** Name: Kingsway Service Station Location: 138 Kingsway, Burnage, MANCHESTER, Lancashire, M19 1BB Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/016/05 Dated: 7th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	912	3	386301 393027
11	**Local Authority Pollution Prevention and Controls** Name: Regal Dry Cleaners Location: 986 Stockport Road, Levenshulme, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/27/08 Dated: 10th March 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A15NW (E)	997	3	387402 394016
	Nearest Surface Water Feature	A13SE (SE)	293	-	386511 393663
12	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Cringle Brook Incident Date: 22nd April 1992 Incident Reference: 92640653 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	255	2	386500 393700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Pollution Incidents to Controlled Waters** Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Cringle Brook Incident Date: 30th May 1992 Incident Reference: 92640900 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	259	2	386500 393695
13	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Chorlton Brook Incident Date: 5th March 1995 Incident Reference: 95640450 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	413	2	385900 393900
14	**Pollution Incidents to Controlled Waters** Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Fallowfield Brook; Sink Waste Incident Date: 11th June 1991 Incident Reference: 91640922 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	513	2	386900 394100
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Cringle Brook; No Pollution Found Incident Date: 2nd March 1995 Incident Reference: 95640435 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	678	2	385900 393400
16	**Pollution Incidents to Controlled Waters** Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Cringle Brook Incident Date: 3rd April 1991 Incident Reference: 91640840 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	862	2	387200 393600
17	**Pollution Incidents to Controlled Waters** Property Type: Spillage; Accident In Transit Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Platt Brook; Petrol Incident Date: 6th November 1996 Incident Reference: 96642295 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	890	2	385600 394500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Pollution Incidents to Controlled Waters** Property Type: Petrol/Fuelling Stations Location: Wilmslow Road , RUSHOLME Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Diesel Fuel To Grounds Incident Date: 23rd December 1998 Incident Reference: SO982214 Catchment Area: Mersey - Non-Tidal Receiving Water: Onto Land Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	913	2	385400 394000
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Mud/Clay/Soil Note: Gore Brook Incident Date: 17th December 1991 Incident Reference: 91642011 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	972	2	385805 394795
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Gore Brook Incident Date: 3rd September 1993 Incident Reference: 93641726 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	974	2	385800 394795
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Gore Brook Incident Date: 23rd April 1992 Incident Reference: 92640667 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	979	2	385800 394800
	Water Abstractions Operator: Ocs Group Uk Ltd T/A Cannon Licence Number: 2569013021 Permit Version: 2 Location: Burnage Lane , Levenshulme, Manchester Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Burnage Lane, Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th January 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NW (S)	1150	2	386720 392830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Cannon Hygiene Limited Licence Number: 2569013021 Permit Version: 1 Location: Burnage Lane , Levenshulme, Manchester Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Burnage Lane, Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th March 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NW (S)	1150	2	386720 392830
	Water Abstractions Operator: United Biscuits (Uk) Limited Licence Number: 2569011040 Permit Version: 1 Location: Borehole At Crossley Rd Levenshulme Authority: Environment Agency, North West Region Abstraction: Food And Drink: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 3rd October 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1901	2	387960 392840
	Water Abstractions Operator: United Biscuits (Uk) Limited Licence Number: 2569011037 Permit Version: 101 Location: Borehole At Crossley Rd Levenshulme Authority: Environment Agency, North West Region Abstraction: Food And Drink: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Crossley Road Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1901	2	387960 392840
	Water Abstractions Operator: Mcvities Uk Licence Number: 2569011037 Permit Version: 100 Location: Borehole At Crossley Rd Levenshulme Authority: Environment Agency, North West Region Abstraction: Food And Drink: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 700 Yearly Rate (m3): 170000 Details: Land At Crossley Road Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th March 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1901	2	387960 392840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr Brian Mccrae Licence Number: 2569013020 Permit Version: 102 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 8th April 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1998	2	387260 392130
	Water Abstractions Operator: Colin Denny Licence Number: 2569013020 Permit Version: 101 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1998	2	387260 392130
	Water Abstractions Operator: Heaton Moor Golf Club Licence Number: 2569013020 Permit Version: 100 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 50 Yearly Rate (m3): 8000 Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 18th March 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1998	2	387260 392130
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (N)	0	2	386359 393951
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SW (N)	0	4	386359 393951
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (N)	0	4	386359 393951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (W)	0	2	386341 393955
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	222	2	386526 393750
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	237	2	386522 393730
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2598.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fallowfield Brook Catchment Name: Mersey Primacy: 1	A13SW (S)	59	5	386358 393879
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 140.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A13SE (SE)	294	5	386509 393661
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A13SE (S)	298	5	386451 393639
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A13SE (S)	303	5	386443 393636
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.8 Watercourse Level: Underground Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A13SE (S)	304	5	386437 393635
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 365.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A13SE (S)	314	5	386393 393622

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 410.3 Watercourse Level: Underground Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A13SE (SE)	350	5	386624 393663
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NW (S)	551	5	386269 393390
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NW (S)	551	5	386316 393387
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.6 Watercourse Level: Underground Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NW (S)	551	5	386316 393387
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.8 Watercourse Level: Underground Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NW (S)	552	5	386319 393387
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	567	5	386361 393371
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 67.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	569	5	386366 393369
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 273.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A8NW (S)	570	5	386170 393387
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	589	5	386430 393348

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: Underground Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	606	5	386442 393332
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 165.4 Watercourse Level: Underground Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	610	5	385869 393519
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 83.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	626	5	385830 393539
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	642	5	386465 393297
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	680	5	386500 393264
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	684	5	386477 393256
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 196.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A14SW (SE)	690	5	387024 393629
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1590.6 Watercourse Level: Underground Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	693	5	385749 393534
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	738	5	386496 393205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	829	5	386540 393118
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 379.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	869	5	385592 394452
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 493.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	871	5	386554 393079
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 169.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	871	5	386554 393079
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 72.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	873	5	385830 394694
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 83.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A9NE (SE)	874	5	387210 393591
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 190.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A17NE (NW)	930	5	385756 394712
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gore Brook Catchment Name: Mersey Primacy: 1	A17NE (NW)	934	5	385768 394725
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 341.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A9NE (SE)	957	5	387289 393565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Platt Brook (Source to Fallowfield Bk) WaterBody ID: GB112069061060 Operational Catchment: Bollin Dean Mersey Upper Management Catchment: Mersey Upper Catchment Name: Upper Mersey	A13SW (N)	0	2	386359 393951
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Fallowfield Brook WaterBody ID: GB112069061410 Operational Catchment: Bollin Dean Mersey Upper Management Catchment: Mersey Upper Catchment Name: Upper Mersey	A13SE (S)	175	2	386360 393760
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Chorlton Brook (Princess Parkway to Mersey) WaterBody ID: GB112069061040 Operational Catchment: Bollin Dean Mersey Upper Management Catchment: Mersey Upper Catchment Name: Upper Mersey	A8SW (S)	899	2	386280 393040
	Water Framework Directive - Groundwater Waterbody Name: Manchester and East Cheshire Permo-Triassic Sandstone Aquifers Waterbody ID: GB41201G101100 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41201G101100 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Poor Year: 2019	A13SW (N)	0	2	386359 393951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	6	386359 393951
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (N)	11	-	386356 393978
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (SW)	128	-	386293 393812
56	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (N)	257	-	386334 394223
57	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SE (S)	292	-	386455 393649
58	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13NE (NE)	299	-	386643 394146
59	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SE (S)	308	-	386438 393630
60	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (S)	308	-	386233 393641
61	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SE (W)	319	-	386018 393813
62	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (N)	322	-	386445 394283
63	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A13NW (NW)	332	-	386148 394255
64	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	346	-	386618 393662
65	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A14NW (E)	397	-	386804 393952
66	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A14NW (NE)	412	-	386723 394226
67	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18SW (N)	429	-	386334 394395
68	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8NW (SW)	446	-	386058 393571
69	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A8NE (S)	447	-	386436 393491
70	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A8NW (S)	449	-	386321 393490
71	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A14SW (SE)	474	-	386794 393664
72	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (NE)	550	-	386584 394484
73	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18SW (N)	552	-	386142 394492

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A19SW (NE)	559	-	386713 394431
75	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18SW (N)	564	-	386257 394527
76	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12SE (SW)	570	-	385787 393714
77	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	606	-	387005 393843
78	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	615	-	386916 394307
79	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NE (SW)	616	-	385882 393498
80	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A19SW (NE)	640	-	386817 394454
81	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SE (W)	646	-	385716 393689
82	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SE (W)	659	-	385687 393728
83	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	737	-	387025 394364
84	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	739	-	387047 393566
85	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14SE (E)	741	-	387146 393882
86	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	756	-	385598 393689
87	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18NE (N)	771	-	386403 394735
88	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18NW (N)	771	-	386159 394722
89	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NE (SW)	772	-	385857 393314
90	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18NE (N)	789	-	386541 394741
91	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A19SE (NE)	805	-	387096 394377
92	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	810	-	385542 393684
93	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A9NE (SE)	848	-	387064 393400
94	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A19NW (NE)	856	-	386783 394733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A9SW (SE)	857	-	386922 393253
96	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A9NE (SE)	867	-	387198 393583
97	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A19NW (NE)	895	-	386890 394717
98	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A18NE (N)	901	-	386655 394830
99	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A9SW (SE)	912	-	387005 393249
100	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A9NE (SE)	914	-	387163 393423
101	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18NE (N)	923	-	386577 394871
102	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A9SW (SE)	933	-	386854 393118
103	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17NE (NW)	935	-	385696 394669
104	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18NE (N)	943	-	386409 394907
105	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A8SE (S)	951	-	386416 392986
106	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	972	-	387144 394596
107	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	979	-	385820 393092
108	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	985	-	385381 393617
109	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A19NW (N)	985	-	386708 394901
110	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12NW (W)	992	-	385363 394255

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A13SW (N)	0	1	386359 393951
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	0	1	386339 393955
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (N)	0	1	386359 393951
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (N)	34	1	386347 394000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (E)	93	1	386500 393951
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (S)	154	1	386302 393785
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	162	1	386367 393775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13SW (SW)	166	1	386276 393775
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	189	1	386500 393772
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	216	1	386500 393742
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	288	1	386500 394237
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (S)	572	1	386500 393373
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	593	1	387000 393951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18SE (N)	659	1	386459 394621
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19SW (NE)	720	1	387016 394346
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	901	1	386500 394860
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (S)	931	1	386500 393011
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	965	1	386622 394904
	BGS Measured Urban Soil Chemistry No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Manchester Count Id: 300 Arsenic Minimum Concentration: 3.00 mg/kg Arsenic Average Concentration: 28.00 mg/kg Arsenic Maximum Concentration: 1008.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 1.40 mg/kg Cadmium Maximum Concentration: 80.30 mg/kg Chromium Minimum Concentration: 29.00 mg/kg Chromium Average Concentration: 92.00 mg/kg Chromium Maximum Concentration: 1252.00 mg/kg Lead Minimum Concentration: 20.00 mg/kg Lead Average Concentration: 270.00 mg/kg Lead Maximum Concentration: 2687.00 mg/kg Nickel Minimum Concentration: 5.00 mg/kg Nickel Average Concentration: 32.00 mg/kg Nickel Maximum Concentration: 137.00 mg/kg	A18NW (N)	734	1	386359 394700
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	89	1	386493 393982
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	146	1	386551 393983
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	165	1	386532 394070
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	223	1	386624 394006
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	386359 393952
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	31	1	386281 393959
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	162	1	386367 393775
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	166	1	386276 393775
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	169	1	386255 393779
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	386359 393952
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	162	1	386367 393775
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	169	1	386255 393779
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	386359 393951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	**Contemporary Trade Directory Entries** Name: The Car Centre Location: 227, Moseley Road, Fallowfield, Manchester, M14 6PD Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	6	-	386413 393952
111	**Contemporary Trade Directory Entries** Name: The Car Centre Location: 227, MOSELEY ROAD, MANCHESTER, M14 6PD Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	6	-	386413 393952
112	**Contemporary Trade Directory Entries** Name: Carbuyertom.Com Location: 227 Moseley Road, Manchester, Lancashire, M14 6pa Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	10	-	386389 393927
112	**Contemporary Trade Directory Entries** Name: Autopoint Accident Repair Centre Location: 244a Belvedere Rd, Fallowfield, Manchester, Lancashire, M14 6PD Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	34	-	386397 393903
112	**Contemporary Trade Directory Entries** Name: Auto Direct Location: Unit 1a Belvdere Road, Fallowfield, Manchester, Greater Manchester, M14 6PD Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	35	-	386397 393902
113	**Contemporary Trade Directory Entries** Name: Kwik Fit Location: 244-250, Moseley Road, Fallowfield, Manchester, M14 6PD Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	76	-	386472 393897
113	**Contemporary Trade Directory Entries** Name: Autopoint Accident Repair Centre Ltd Location: 244-250, Moseley Road, Fallowfield, Manchester, M14 6PD Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	78	-	386473 393895
113	**Contemporary Trade Directory Entries** Name: Auto Point Location: 244-250, Moseley Road, Fallowfield, Manchester, M14 6PD Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	78	-	386473 393895
114	**Contemporary Trade Directory Entries** Name: Total Location: Moseley Rd, Fallowfield, Manchester, M14 6PD Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	91	-	386221 393932
114	**Contemporary Trade Directory Entries** Name: Kpn Accident Repair Location: Moseley Rd, Fallowfield, Manchester, M14 6PD Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	122	-	386190 393930
115	**Contemporary Trade Directory Entries** Name: D H Kemp Location: 55, Kingsway, Manchester, M19 2LL Classification: Vacuum Cleaners - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	171	-	386574 393901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	**Contemporary Trade Directory Entries** Name: Jollyes - The Pet Superstore Fallowfield Location: C Fallowfield Shopping Centre,Birchfields Road, Manchester, Greater Manchester, M14 6FS Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	179	-	386516 394105
117	**Contemporary Trade Directory Entries** Name: Drilline Products Location: 5, Brailsford Road, Manchester, M14 6PT Classification: Drilling & Boring Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	299	-	386025 393852
118	**Contemporary Trade Directory Entries** Name: Kreativ3 Entertainment Location: Flat 9, Rylands House, Opal Court, Moseley Road, Fallowfield, Manchester, M14 6ZU Classification: Sound Equipment Systems Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	343	-	385976 393869
119	**Contemporary Trade Directory Entries** Name: Rodney House Assessment Centre Location: Rodney House, 388, Slade Lane, Manchester, M19 2HT Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	365	-	386709 393733
120	**Contemporary Trade Directory Entries** Name: 101 Specialist Cars Location: Kingsway, Manchester, Greater Manchester, M19 2DD Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	379	-	386723 394171
121	**Contemporary Trade Directory Entries** Name: Seasia Consultants Ltd Location: 7, Acorn Close, Manchester, M19 2HS Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	385	-	386676 393662
122	**Contemporary Trade Directory Entries** Name: Jacob & Co Location: 358, Slade Lane, Manchester, M19 2BX Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	416	-	386823 393955
123	**Contemporary Trade Directory Entries** Name: Thi Uk Ltd Location: 9, Kingsway, Manchester, M19 2BZ Classification: Car Washing & Polishing Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	433	-	386794 394155
123	**Contemporary Trade Directory Entries** Name: Mellies Maids Location: 326, Slade Lane, Manchester, Lancashire, M19 2BY Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	463	-	386846 394106
123	**Contemporary Trade Directory Entries** Name: M & B Systems Power Instrumentation Ltd Location: 308-310, Slade Lane, Manchester, M19 2BY Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	470	-	386836 394153
123	**Contemporary Trade Directory Entries** Name: M & B Systems Power Instrumentation Ltd Location: 308-310, Slade Lane, Manchester, M19 2BY Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	470	-	386836 394153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	**Contemporary Trade Directory Entries** Name: Loony Print Ltd Location: 320, Moseley Road, Levenshulme, Manchester, M19 2LH Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	450	-	386848 394044
124	**Contemporary Trade Directory Entries** Name: Logoprint Location: 330, Slade Lane, Manchester, M19 2BY Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	463	-	386850 394093
125	**Contemporary Trade Directory Entries** Name: West Point Hardware Location: 14, Kingsway, Manchester, M19 2DD Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	464	-	386791 394222
126	**Contemporary Trade Directory Entries** Name: Alpha Location: 20, Kingsway Avenue, Manchester, M19 2DH Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	468	-	386761 394269
127	**Contemporary Trade Directory Entries** Name: Car Junction Finance Location: 221, Slade Lane, Manchester, M19 2EX Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	472	-	386876 394007
127	**Contemporary Trade Directory Entries** Name: Rochelle Fabrics Location: 215-217, Slade Lane, Manchester, M19 2EX Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	480	-	386883 394018
128	**Contemporary Trade Directory Entries** Name: T O'Neill Location: 45, Burnage Hall Road, Manchester, M19 2JP Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	523	-	386637 393467
129	**Contemporary Trade Directory Entries** Name: Marshalls Garage Fallowfield Ltd Location: 65-67, Ladybarn Lane, Manchester, M14 6YL Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	540	-	385916 393571
129	**Contemporary Trade Directory Entries** Name: Home & Dry Location: 73, Ladybarn Lane, Manchester, M14 6YL Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	561	-	385916 393541
129	**Contemporary Trade Directory Entries** Name: Hall'S Domestic Appliance Location: 77, Ladybarn Lane, Manchester, M14 6YL Classification: Vacuum Cleaners - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	569	-	385919 393527
130	**Contemporary Trade Directory Entries** Name: Sk Pharma Ltd Location: 7, Dean Bank Avenue, Manchester, M19 2EZ Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	549	-	386956 393938
131	**Contemporary Trade Directory Entries** Name: Stephen Liptrott Location: Ross Av, Manchester, M19 2HW Classification: Control Panels **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	552	-	386948 394068

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	**Contemporary Trade Directory Entries** Name: Unique Blinds Location: 4, Hardon Grove, Manchester, M13 0TX Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	619	-	386647 394534
133	**Contemporary Trade Directory Entries** Name: Ernest Bentley & Sons Ltd Location: Harburg House, 11, Ladybarn Road, Manchester, M14 6WN Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	622	-	385693 393877
134	**Contemporary Trade Directory Entries** Name: A T Equipment Sales Location: 42, Burnage Lane, Manchester, M19 2NL Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	626	-	386782 393436
135	**Contemporary Trade Directory Entries** Name: P T S Handling Location: 55, Linden Park, Manchester, M19 2PG Classification: Fork Lift Trucks **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	640	-	387003 393704
136	**Contemporary Trade Directory Entries** Name: Martas Idea Location: 14, Carill Drive, Manchester, M14 6WR Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	660	-	385652 393927
137	**Contemporary Trade Directory Entries** Name: Dress My Windows Location: 8, Kempton Road, Manchester, M19 2GJ Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	671	-	387002 393625
138	**Contemporary Trade Directory Entries** Name: B K W Hygiene Location: 17, Royle Street, Manchester, M14 6RN Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	673	-	385814 393485
138	**Contemporary Trade Directory Entries** Name: G Brassington & Sons Ltd Location: 17, Royle Street, Manchester, M14 6RN Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	673	-	385814 393485
139	**Contemporary Trade Directory Entries** Name: Silk Road Prints Location: 19, ALEXANDRA DRIVE, MANCHESTER, M19 2WW Classification: T-Shirts **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	715	-	386839 393367
139	**Contemporary Trade Directory Entries** Name: Northern Vacs & Washers Location: 9, Alexandra Drive, Manchester, M19 2WW Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	746	-	386835 393326
140	**Contemporary Trade Directory Entries** Name: T O'Neill Location: 48, Albert Road, Manchester, M19 2AB Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	717	-	387090 394175
140	**Contemporary Trade Directory Entries** Name: Ali Cargo Express Ltd Location: 38 Albert Road, Manchester, Greater Manchester, M19 2AB Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	761	-	387136 394177

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	**Contemporary Trade Directory Entries** Name: Brookside Motors Location: 24a, Egerton Road, Manchester, M14 6XA Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	734	-	385718 393507
142	**Contemporary Trade Directory Entries** Name: M N C Gas Services Location: 31, Windsor Road, Levenshulme, Manchester, M19 2FA Classification: Boilers - Servicing, Replacements & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (NE)	736	-	387074 394271
143	**Contemporary Trade Directory Entries** Name: C-Probe Technologies Location: 63, Derby Road, Manchester, M14 6RE Classification: Corrosion Prevention & Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	736	-	385834 393379
144	**Contemporary Trade Directory Entries** Name: Pro Cleaners Fallowfield Location: 1, Clifton Avenue, Manchester, M14 6UD Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (SW)	749	-	385625 393640
145	**Contemporary Trade Directory Entries** Name: Central Tyre Location: 349, Wilmslow Road, Manchester, M14 6XS Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	752	-	385577 393777
146	**Contemporary Trade Directory Entries** Name: Quick & Spick Location: 36, Albert Road, Manchester, M19 2AB Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	765	-	387140 394177
147	**Contemporary Trade Directory Entries** Name: Mr Bubbles Location: 246, Wilmslow Road, Manchester, M14 6LD Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	768	-	385556 394102
148	**Contemporary Trade Directory Entries** Name: Home Car Valeting Location: 2, Jersey Close, Manchester, M19 2NU Classification: Car Washing & Polishing Equipment & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	802	-	386851 393269
149	**Contemporary Trade Directory Entries** Name: Sylvia'S Candles Location: 26, Bowers Street, Ladybarn, Manchester, M14 6SU Classification: Candle Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (SW)	814	-	386026 393176
150	**Contemporary Trade Directory Entries** Name: R T Wall Care Location: 16, Ranford Road, Manchester, M19 2GL Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	816	-	387137 393572
150	**Contemporary Trade Directory Entries** Name: Dave Bradley Renovations Location: 16, Ranford Road, Manchester, M19 2GL Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	816	-	387137 393572
151	**Contemporary Trade Directory Entries** Name: Cotswold Confectionery Ltd Location: 21-23, Albert Road, Manchester, M19 2EQ Classification: Confectionery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	824	-	387213 394127

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	**Contemporary Trade Directory Entries** Name: Lady Bar Launderette Location: 99, Mauldeth Road, Manchester, M14 6SR Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	833	-	385917 393205
152	**Contemporary Trade Directory Entries** Name: Safein Location: 99, Mauldeth Road, Manchester, Lancashire, M14 6SR Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	833	-	385917 393205
152	**Contemporary Trade Directory Entries** Name: A S D Location: 101, Mauldeth Road, Manchester, M14 6SR Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	835	-	385920 393201
153	**Contemporary Trade Directory Entries** Name: Soap Opera Location: 324-326, Wilmslow Road, Manchester, M14 6XQ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	851	-	385478 393768
154	**Contemporary Trade Directory Entries** Name: R & B Motors Location: 1, St. Georges Road, Manchester, M14 6SX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (S)	858	-	386020 393132
154	**Contemporary Trade Directory Entries** Name: Just Rubbers Location: 1, Talbot Road, Fallowfield, Manchester, M14 6TA Classification: Tyre Repairs & Retreading **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	864	-	386058 393113
154	**Contemporary Trade Directory Entries** Name: Talbot Road Garage Location: 1, Talbot Road, Fallowfield, Manchester, M14 6TA Classification: Breakdown and Recovery **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	876	-	386055 393101
154	**Contemporary Trade Directory Entries** Name: R R S Location: 1, Talbot Road, Fallowfield, Manchester, M14 6TA Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	876	-	386055 393101
155	**Contemporary Trade Directory Entries** Name: Mpa (Uk) Ltd Location: A, 2, Buckhurst Road, Manchester, M19 2DS Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	869	-	387248 394177
155	**Contemporary Trade Directory Entries** Name: G Pennant Roberts Ltd Location: 12, Albert Road, Manchester, M19 3PJ Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	885	-	387262 394184
156	**Contemporary Trade Directory Entries** Name: Sultan Supersotre Location: 7, Meldon Road, Manchester, M13 0TZ Classification: Meat - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	878	-	386292 394844
157	**Contemporary Trade Directory Entries** Name: E M Engineering Location: 100, Mauldeth Road, Manchester, M14 6SQ Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	880	-	385873 393176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	**Contemporary Trade Directory Entries** Name: Brag Cleaning Services Location: 48, Danes Road, Manchester, M14 5JS Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	899	-	385811 394713
159	**Contemporary Trade Directory Entries** Name: Stone Washer Location: Flat 1, Winterley Court, 19-21, Errwood Road, Manchester, Lancashire, M19 2PN Classification: Blast Cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	904	-	387283 393714
160	**Contemporary Trade Directory Entries** Name: Texaco Location: 138, Kingsway, Manchester, M19 1BB Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	909	-	386301 393029
161	**Contemporary Trade Directory Entries** Name: A Dip A Door Location: 3, Albert Road, Manchester, M19 3PJ Classification: Paint & Varnish Stripping **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	940	-	387328 394148
162	**Contemporary Trade Directory Entries** Name: Pool Your Ideas Location: 65-67, Mauldeth Road, Manchester, M20 4NF Classification: Swimming Pool Contractors, Repairers & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	941	-	385724 393204
163	**Contemporary Trade Directory Entries** Name: Wallstyle Location: 958-960, Stockport Road, Manchester, M19 3NN Classification: Wallpapers & Wall Coverings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	954	-	387350 394101
163	**Contemporary Trade Directory Entries** Name: Trust Computers Location: 944, Stockport Road, Manchester, M19 3NN Classification: Electrical goods - servicing & repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	963	-	387351 394149
164	**Contemporary Trade Directory Entries** Name: Kingsway Car Centre Location: 140, Kingsway, Manchester, M19 1BB Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	965	-	386280 392975
164	**Contemporary Trade Directory Entries** Name: Printessentials.Co.Uk Location: 140, Kingsway, Manchester, M19 1BB Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	965	-	386280 392975
165	**Contemporary Trade Directory Entries** Name: Asco Laboratories Location: 40, Derby Road, Manchester, M14 6US Classification: Laboratories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	984	-	385548 393318
166	**Contemporary Trade Directory Entries** Name: Choudhary Trading Co Ltd Location: 1, Carrill Grove, Manchester, M19 3AE Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (E)	987	-	387337 394291

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	**Contemporary Trade Directory Entries** Name: Regal Dry Cleaners Location: 986, Stockport Road, Manchester, M19 3NN Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A15NW (E)	993	-	387398 394014
168	**Contemporary Trade Directory Entries** Name: Shell Service Station Location: 377, Wilmslow Road, Manchester, M14 6AH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	994	-	385406 393530
168	**Contemporary Trade Directory Entries** Name: Shell Fallowfield Service Station Location: 377385 Wilmslow Road,Fallowfield, Manchester, Greater Manchester, M14 6AH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	994	-	385406 393530
168	**Contemporary Trade Directory Entries** Name: Fallowfield Service Location: 377, Wilmslow Road, Manchester, M14 6AH Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	994	-	385405 393531
168	**Contemporary Trade Directory Entries** Name: Shell Location: 377-385, WILMSLOW ROAD, MANCHESTER, M14 6AH Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	994	-	385406 393530
169	**Fuel Station Entries** Name: Birchfields Service Station Location: 227, Moseley Road , Fallowfield , Manchester, Greater Manchester, M14 6PA Brand: Unbranded Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	34	-	386441 393947
170	**Fuel Station Entries** Name: Kingsway Burnage Service Station Location: 138, Kingsway , Burnage , Manchester, Greater Manchester, M19 1BB Brand: TEXACO Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	910	-	386304 393029
171	**Points of Interest - Commercial Services** Name: Car Wash Location: 227 Moseley Road, Fallowfield, Manchester, Lancashire, M14 6PA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SE (E)	34	7	386441 393947
171	**Points of Interest - Commercial Services** Name: Kwik-Fit (GB) Limited Location: 244-250 Moseley Road, Fallowfield, Manchester, M14 6PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	75	7	386471 393897
171	**Points of Interest - Commercial Services** Name: Autopoint Accident Repair Centre Ltd Location: 244-250 Moseley Road, Fallowfield, Manchester, M14 6PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	78	7	386472 393894
171	**Points of Interest - Commercial Services** Name: Manchester Repair Centre Location: 244-250 Moseley Road, Fallowfield, Manchester, M14 6PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	78	7	386473 393895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	**Points of Interest - Commercial Services** Name: Kwik-Fit (GB) Limited Location: 244a Moseley Road, Fallowfield, Manchester, M14 6PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	97	7	386472 393865
171	**Points of Interest - Commercial Services** Name: Kpn Accident Repair Location: 244a Moseley Road, Fallowfield, Manchester, M14 6PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	97	7	386472 393865
171	**Points of Interest - Commercial Services** Name: Auto Direct Location: Unit 1a Belvdere Road, Fallowfield, Manchester, M14 6PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	100	7	386449 393846
172	**Points of Interest - Commercial Services** Name: Alpha Shipping & Forwarding Services Location: 20 Kingsway Avenue, Manchester, M19 2DH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (NE)	468	7	386761 394269
173	**Points of Interest - Commercial Services** Name: Marshall's Location: 65-67 Ladybarn Lane, Manchester, M14 6YL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	539	7	385916 393572
173	**Points of Interest - Commercial Services** Name: Marshalls Garage Fallowfield Ltd Location: 65-67 Ladybarn Lane, Manchester, M14 6YL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	540	7	385916 393571
174	**Points of Interest - Commercial Services** Name: Pretty Clean Location: 3 Standish Road, Manchester, M14 6NP Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SW (W)	664	7	385648 393912
175	**Points of Interest - Commercial Services** Name: Nick Bennett Transport Location: 51 Grangethorpe Drive, Manchester, M19 2LR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	682	7	386544 393269
176	**Points of Interest - Commercial Services** Name: Brookside Motors Location: 24a Egerton Road, Manchester, M14 6XA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	733	7	385719 393508
176	**Points of Interest - Commercial Services** Name: Brookside Motors Location: 24a Egerton Road, Manchester, M14 6XA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	734	7	385718 393507
177	**Points of Interest - Commercial Services** Name: Ali Cargo Express Ltd Location: 38 Albert Road, Manchester, M19 2AB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	761	7	387136 394177
177	**Points of Interest - Commercial Services** Name: Bilko Autos Location: 38 Albert Road, Manchester, M19 2AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	761	7	387136 394178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	**Points of Interest - Commercial Services** Name: Home Car Valeting Location: 2 Jersey Close, Manchester, M19 2NU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A9SW (SE)	802	7	386851 393269
179	**Points of Interest - Commercial Services** Name: P B Carstyle Location: 22 Astor Road, Manchester, M19 2LX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	836	7	386407 393101
179	**Points of Interest - Commercial Services** Name: Phil Ball Location: 22 Astor Road, Manchester, M19 2LX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	836	7	386408 393101
179	**Points of Interest - Commercial Services** Name: Philip Ball Location: 22 Astor Road, Manchester, M19 2LX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	836	7	386408 393101
180	**Points of Interest - Commercial Services** Name: R & B Motors Location: 1 St. Georges Road, Manchester, M14 6SX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	854	7	386015 393138
180	**Points of Interest - Commercial Services** Name: R & B Motors Location: 1 St Georges Road, Manchester, M14 6SX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (S)	858	7	386020 393132
180	**Points of Interest - Commercial Services** Name: Just Rubbers Location: Workshop Next to 1, Talbot Road, Manchester, M14 6TA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	864	7	386058 393113
181	**Points of Interest - Commercial Services** Name: Kingsway Burnage Service Station Location: 138 Kingsway, Manchester, M19 1BB Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8SW (S)	910	7	386304 393029
181	**Points of Interest - Commercial Services** Name: Car Wash Location: 138 Kingsway, Manchester, M19 1BB Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8SW (S)	910	7	386304 393029
181	**Points of Interest - Commercial Services** Name: Sm Motors Location: Harwood Road Garage, Harwood Road, Stockport, SK4 3AW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	981	7	386254 392959
182	**Points of Interest - Commercial Services** Name: Shell Car Wash Location: 377-385 Wilmslow Road, Manchester, M14 6AH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (SW)	994	7	385406 393530
183	**Points of Interest - Education and Health** Name: Rodney House Assessment Centre Location: Rodney House 388, Slade Lane, Manchester, M19 2HT Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A14SW (SE)	365	7	386709 393733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	974	7	386257 392966
185	**Points of Interest - Public Infrastructure** Name: Birchfields Service Station Location: Moseley Road/Birchfield Road, Manchester, Greater Manchester, M14 6PD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SE (E)	33	7	386440 393946
185	**Points of Interest - Public Infrastructure** Name: Birchfields Service Station Location: 227 Moseley Road, Fallowfield, Manchester, Lancashire, M14 6PA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SE (E)	34	7	386441 393947
186	**Points of Interest - Public Infrastructure** Name: Tesco Petrol Filling Station Location: 260 Wilmslow Road, Manchester, M14 6JR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	755	7	385557 393967
187	**Points of Interest - Public Infrastructure** Name: Mauldeth Road Rail Station Location: M14 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8SW (S)	903	7	386235 393039
187	**Points of Interest - Public Infrastructure** Name: Mauldeth Road Station Location: Aubrey Road, M14 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8SW (S)	903	7	386235 393039
187	**Points of Interest - Public Infrastructure** Name: Texaco Location: 138 Kingsway, Manchester, M19 1BB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8SW (S)	910	7	386301 393029
187	**Points of Interest - Public Infrastructure** Name: Kingsway Burnage Sstn Location: 138 Kingsway, Manchester, M19 1BB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8SW (S)	910	7	386301 393029
187	**Points of Interest - Public Infrastructure** Name: Kingsway Burnage Service Station Location: 138 Kingsway, Manchester, M19 1BB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8SW (S)	910	7	386304 393029
188	**Points of Interest - Public Infrastructure** Name: Levenshulme Rail Station Location: M19 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A14NE (E)	905	7	387284 394182
188	**Points of Interest - Public Infrastructure** Name: Levenshulme Station Location: Albert Road, M19 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A14NE (E)	905	7	387284 394182
189	**Points of Interest - Public Infrastructure** Name: Spring Petroleum Co Ltd Location: 377 Wilmslow Road, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	994	7	385405 393531

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	**Points of Interest - Public Infrastructure** Name: Shell Mfg Fallowfield Location: 377-385 Wilmslow Road, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	994	7	385406 393530
189	**Points of Interest - Public Infrastructure** Name: Tcs Fallowfield Location: 377/385 Wilmslow Road, Fallowfield, Manchester, Greater Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	995	7	385404 393530
190	**Points of Interest - Recreational and Environmental** Name: Play Area Location: M14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	382	7	386072 393641

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	November 2013	Annual Rolling Update
Environment Agency - Head Office	November 2023	Annually
Manchester City Council - Environmental Health Department	October 2017	Annual Rolling Update
Salford City Council - Environmental Health Department	October 2017	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	October 2017	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	October 2024	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	October 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Salford City Council - Environmental Health Department	December 2020	Variable
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Salford City Council - Environmental Health Department	December 2020	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Salford City Council - Environmental Health Department	March 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	February 2025	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Historical Prosecutions		
Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances		
Environment Agency - Head Office	May 2023	
Environment Agency - North West Region	May 2023	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	April 2025	Quarterly
Water Abstractions		
Environment Agency - North West Region	April 2025	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	January 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2024	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2024	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	October 2024	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	November 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	October 2024	Quarterly
Local Authority Landfill Coverage		
Manchester City Council - Planning Department	February 2003	Not Applicable
Salford City Council - Environmental Health Department	February 2003	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	February 2003	Not Applicable
Tameside Metropolitan Borough Council	February 2003	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Manchester City Council - Planning Department	October 2018	
Salford City Council - Environmental Health Department	October 2018	
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2018	
Tameside Metropolitan Borough Council	October 2018	
Trafford Metropolitan Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Manchester City Council - Planning Department	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Trafford Metropolitan Borough Council	July 2023	Variable
Salford City Council	June 2016	Variable
Tameside Metropolitan Borough Council - Planning and Building Control	June 2023	Variable
Planning Hazardous Substance Consents		
Trafford Metropolitan Borough Council	April 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Tameside Metropolitan Borough Council - Planning and Building Control	February 2016	Variable
Salford City Council	June 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	March 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	December 2024	Quarterly
Points of Interest - Commercial Services PointX	March 2025	Quarterly
Points of Interest - Education and Health PointX	March 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2025	Quarterly
Points of Interest - Public Infrastructure PointX	March 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	March 2025	Bi-Annually
Areas of Adopted Green Belt		
Manchester City Council	July 2024	Quarterly
Salford City Council	July 2024	Quarterly
Stockport Metropolitan Borough Council	July 2024	Quarterly
Tameside Metropolitan Borough Council	July 2024	Quarterly
Trafford Metropolitan Borough Council	July 2024	Quarterly
Areas of Unadopted Green Belt		
Manchester City Council	July 2024	Quarterly
Salford City Council	July 2024	Quarterly
Stockport Metropolitan Borough Council	July 2024	Quarterly
Tameside Metropolitan Borough Council	July 2024	Quarterly
Trafford Metropolitan Borough Council	July 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	November 2024	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	March 2025	Bi-Annually
Marine Nature Reserves		
Natural England	February 2025	Bi-Annually
National Nature Reserves		
Natural England	January 2025	Bi-Annually
National Parks		
Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	November 2024	Annually
Ramsar Sites		
Natural England	February 2025	Bi-Annually
Sites of Special Scientific Interest		
Natural England	November 2024	Bi-Annually
Special Areas of Conservation		
Natural England	January 2025	Bi-Annually
Special Protection Areas		
Natural England	November 2024	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

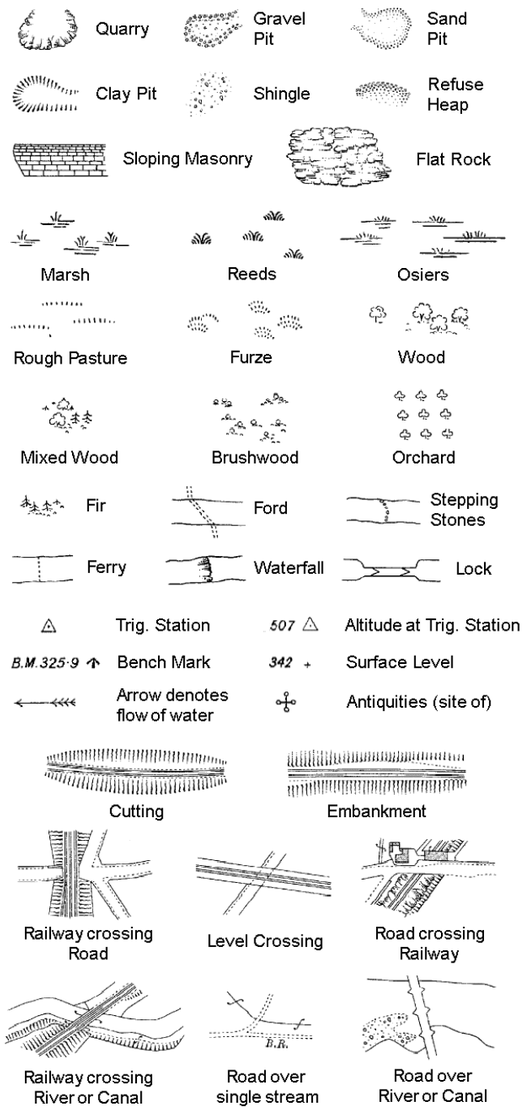
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Manchester City Council - Environmental Health Department** PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
6	**Manchester City Council - Planning Department** Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
7	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

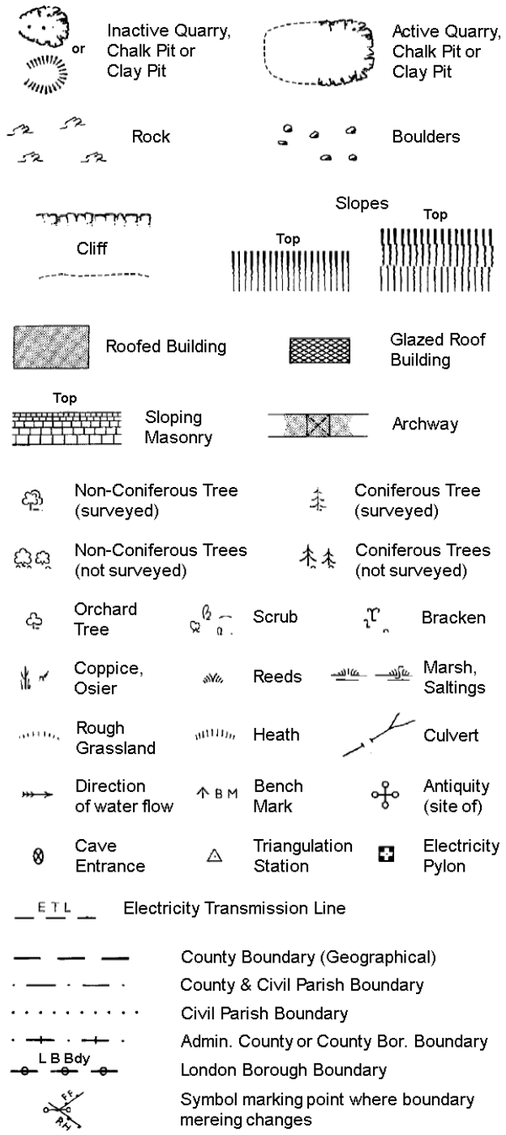
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



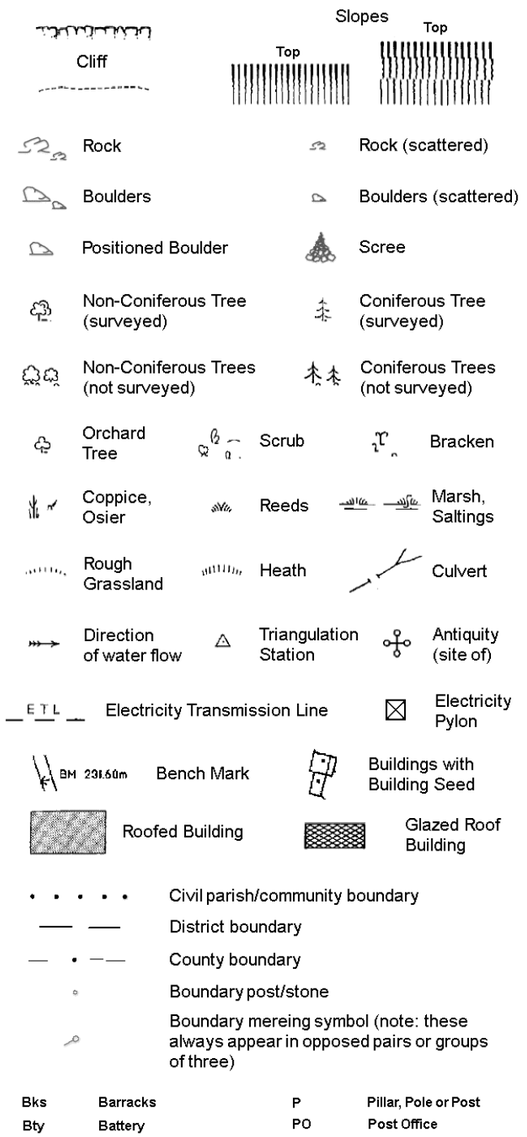
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



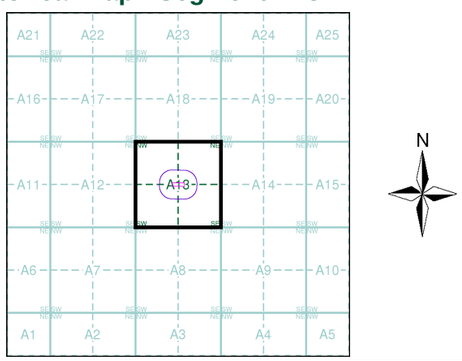
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

Curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1907	3
Lancashire And Furness	1:2,500	1922	4
Lancashire And Furness	1:2,500	1934	5
Ordnance Survey Plan	1:2,500	1957 - 1958	6
Ordnance Survey Plan	1:1,250	1957 - 1958	7
Additional SIMs	1:1,250	1957 - 1988	8
Ordnance Survey Plan	1:1,250	1970	9
Additional SIMs	1:1,250	1984 - 1989	10
Large-Scale National Grid Data	1:1,250	1992	11
Large-Scale National Grid Data	1:1,250	1995	12
Historical Aerial Photography	1:2,500	2000	13

Historical Map - Segment A13



Order Details

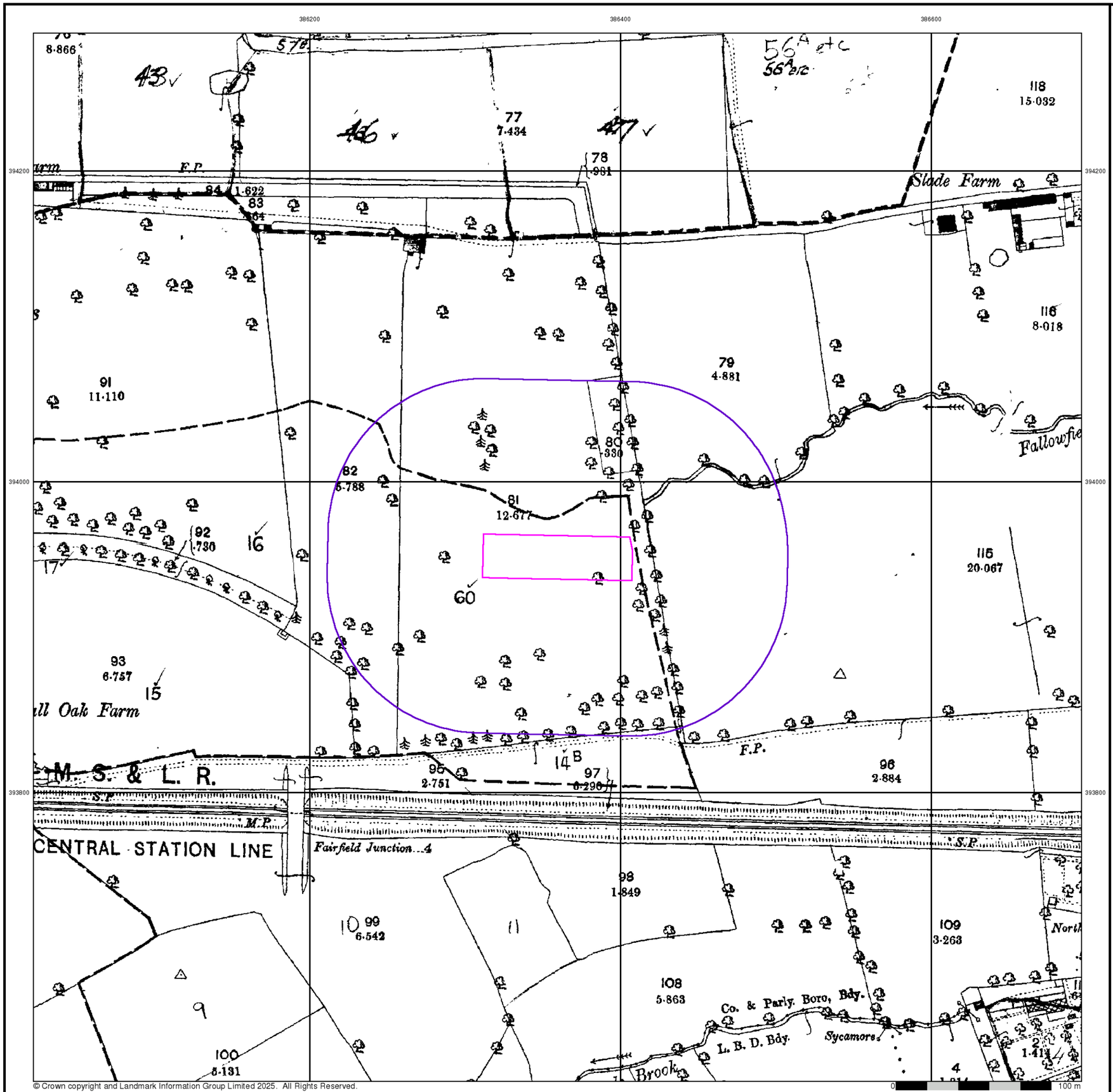
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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

Site Details

Birchfields Road, MANCHESTER, M14 6PE

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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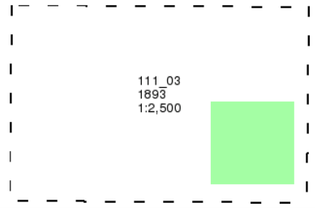
Lancashire And Furness

Published 1893

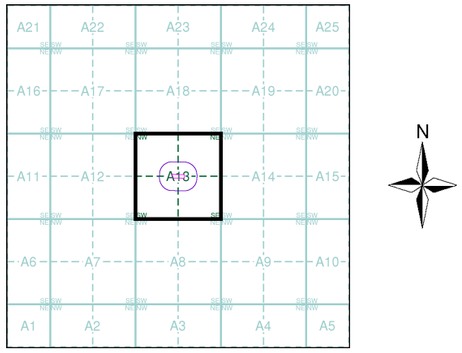
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



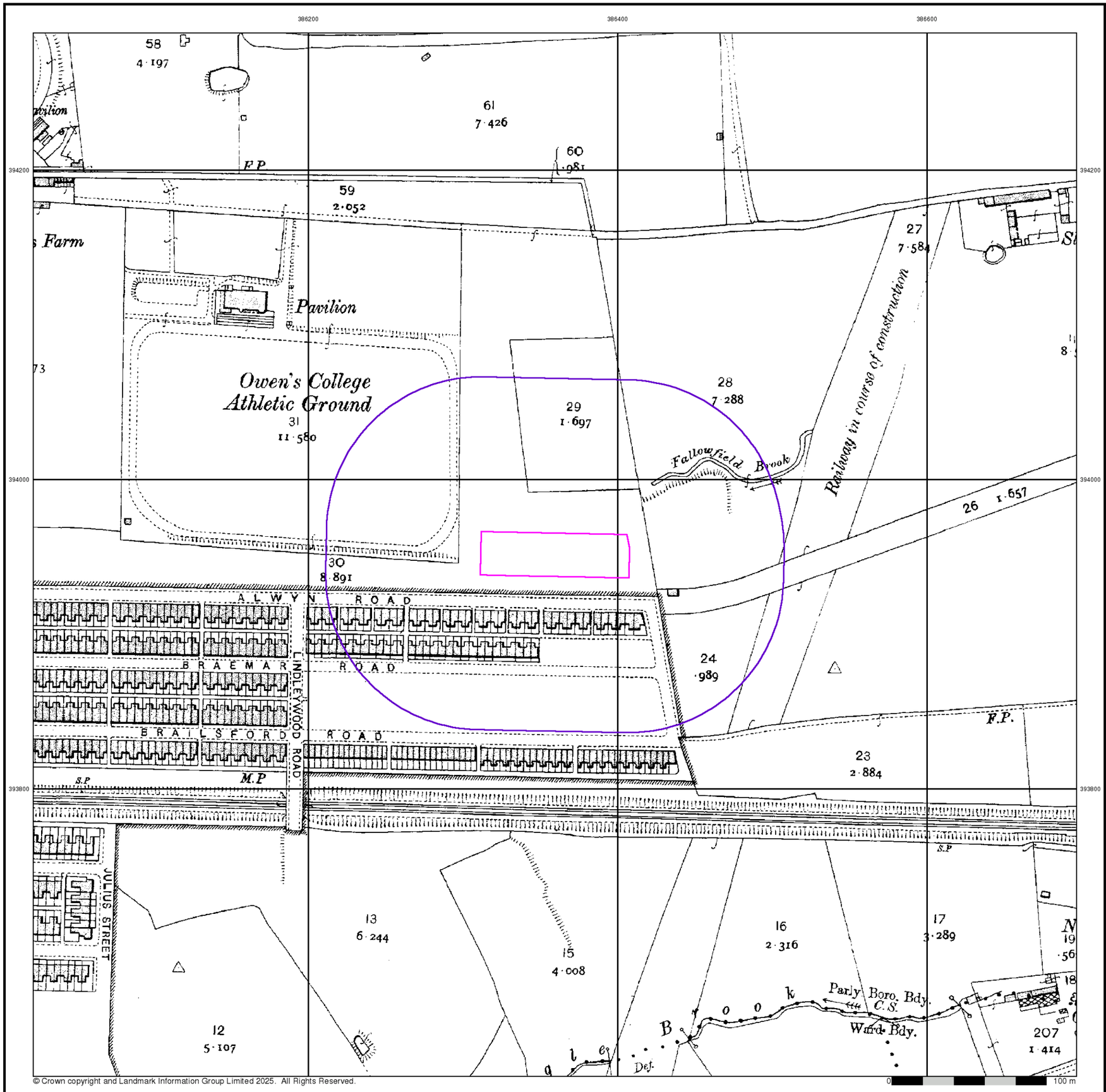
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National Grid Reference:	386360, 393950
Slice:	A
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Search Buffer (m):	100

Site Details

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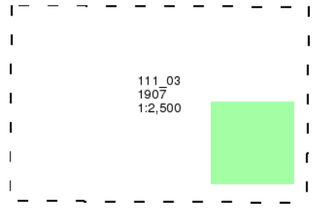
Lancashire And Furness

Published 1907

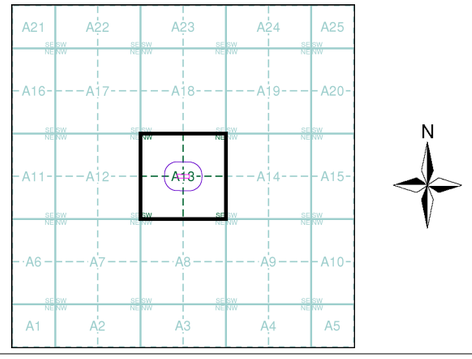
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



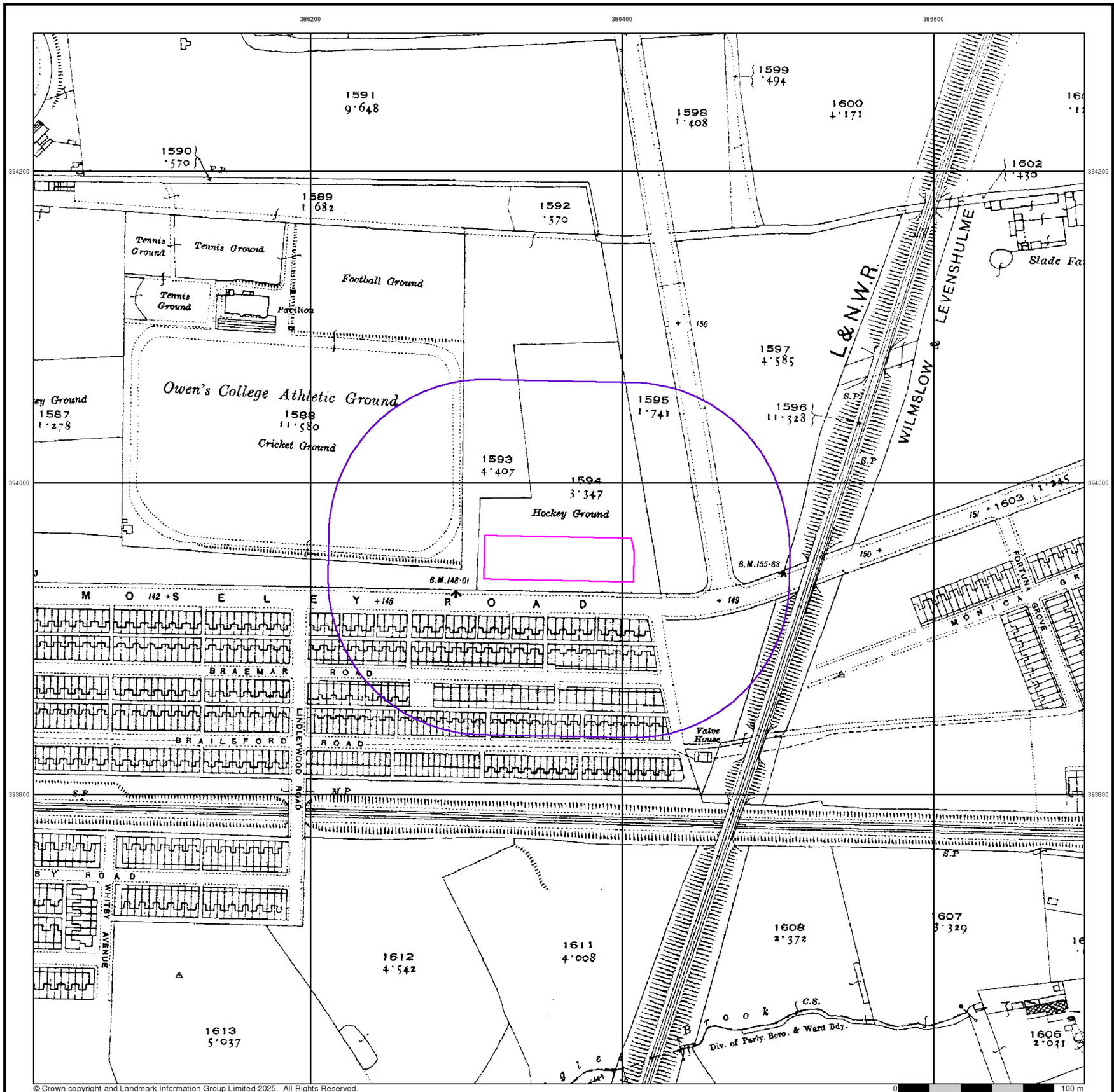
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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

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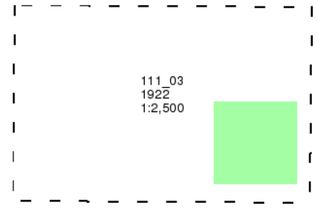
Lancashire And Furness

Published 1922

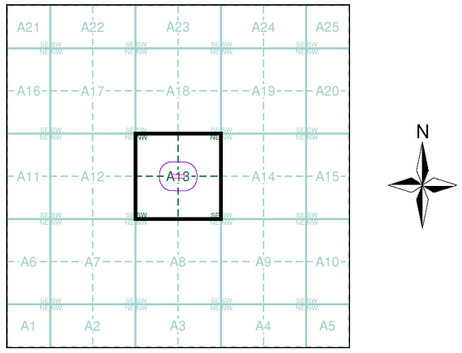
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



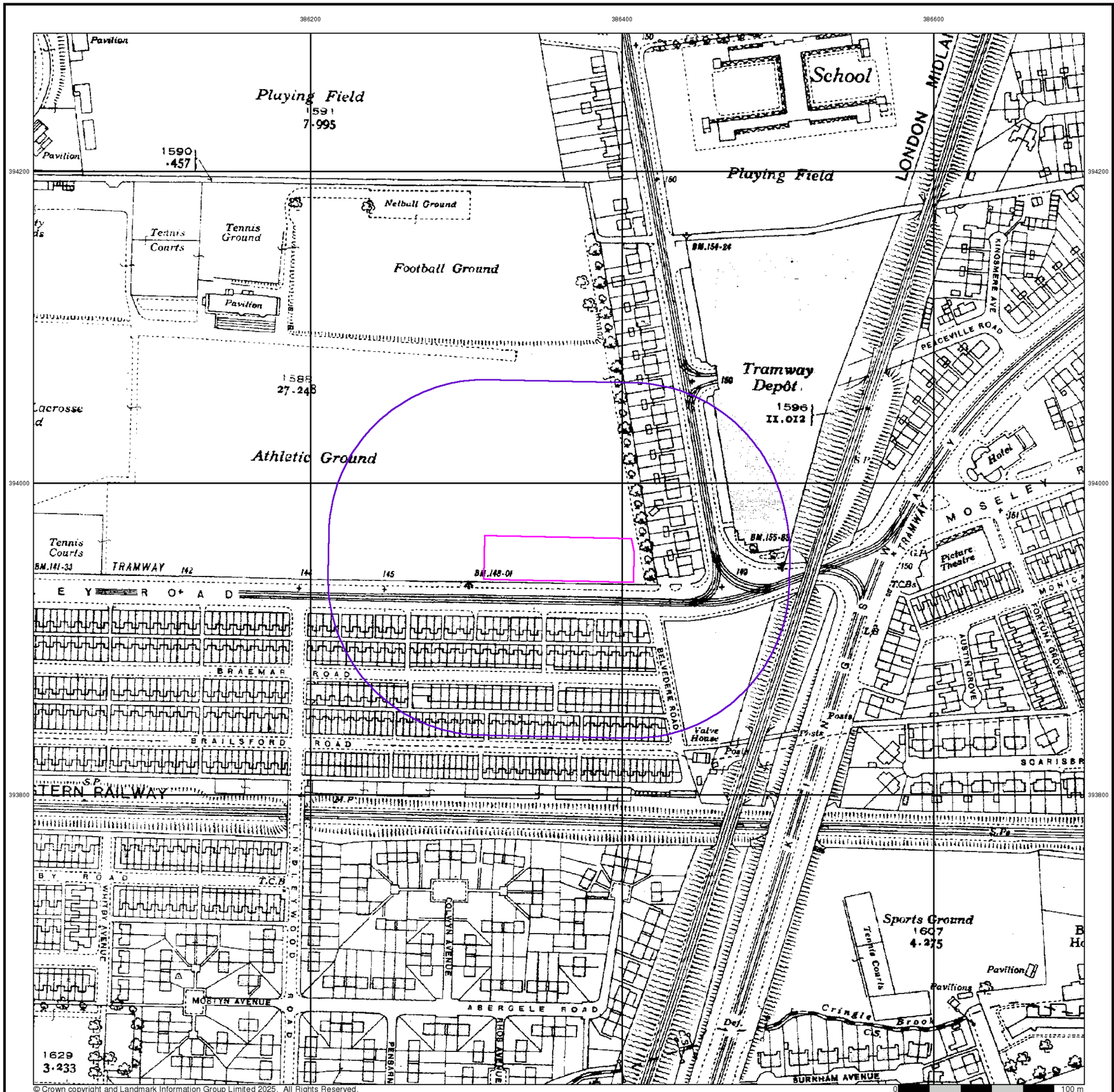
Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

Site Details

Birchfields Road, MANCHESTER, M14 6PE

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Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Curtins

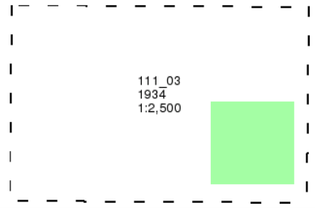
Lancashire And Furness

Published 1934

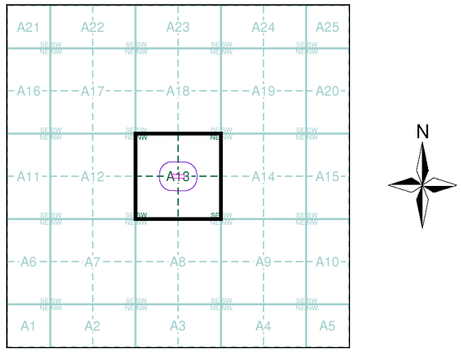
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



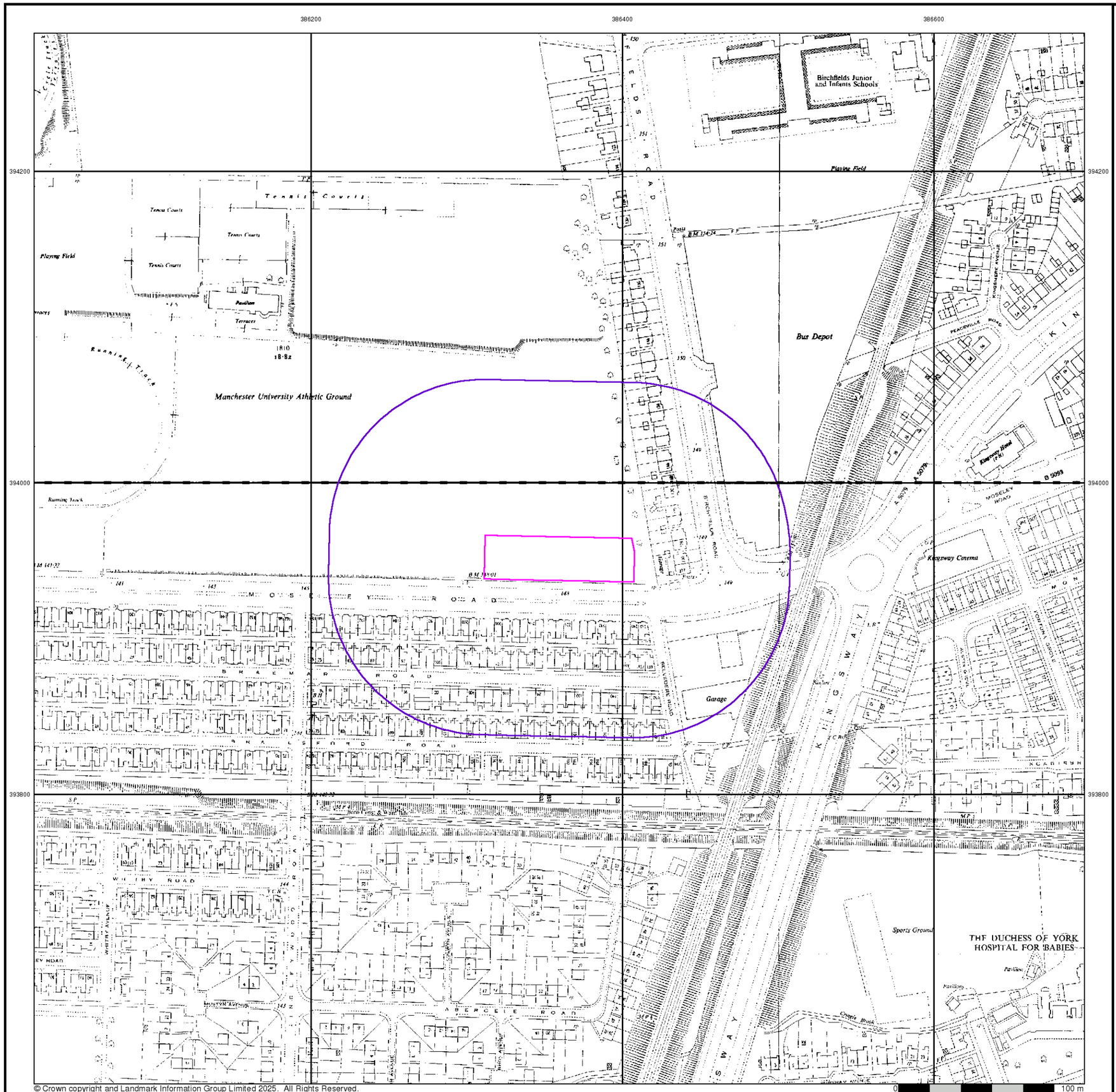
Order Details

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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
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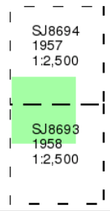
Ordnance Survey Plan

Published 1957 - 1958

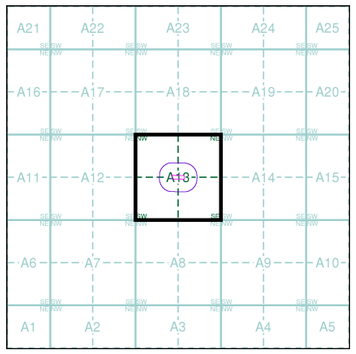
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

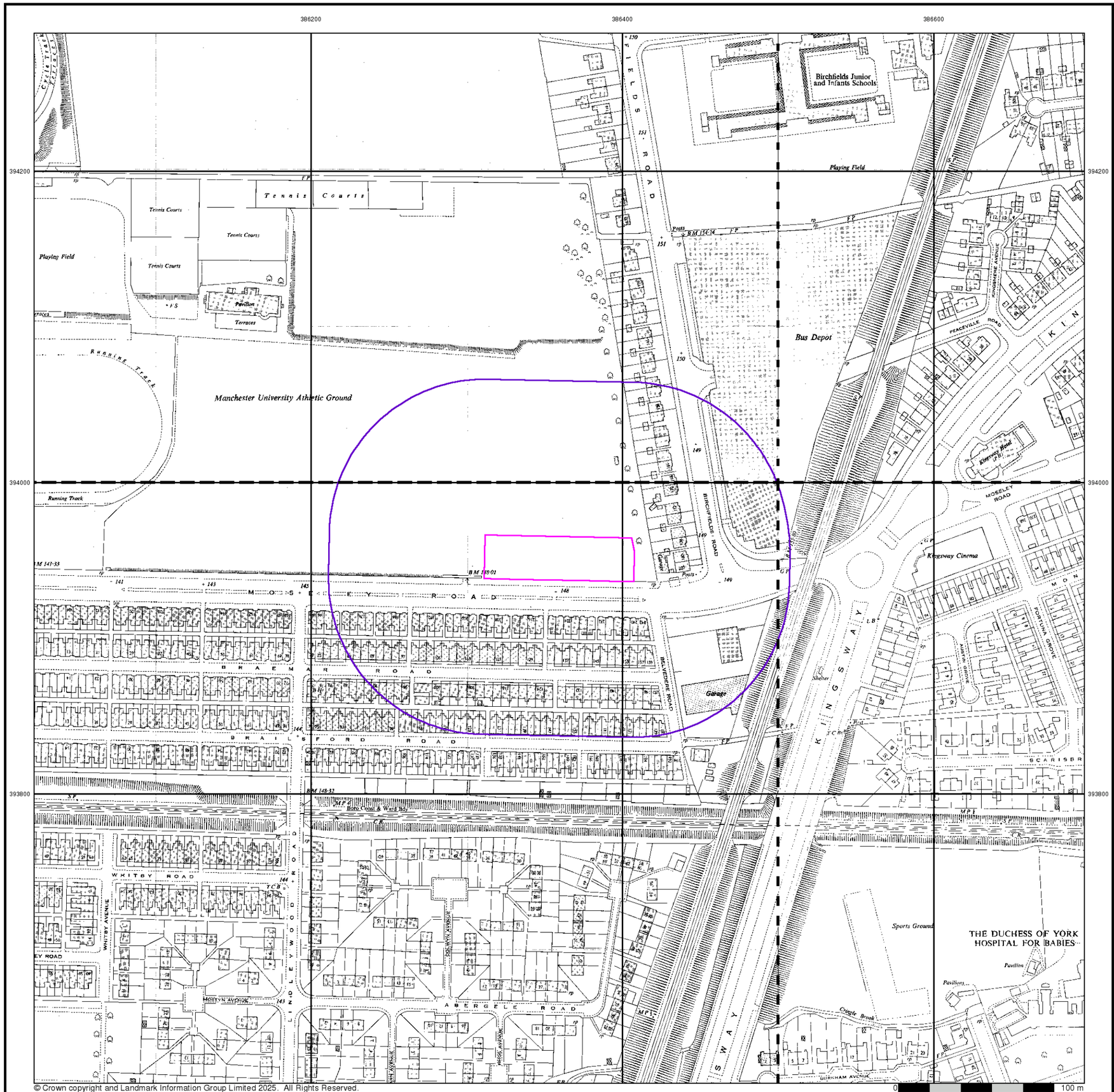
Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

Site Details

Birchfields Road, MANCHESTER, M14 6PE

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Curtins

Ordnance Survey Plan

Published 1957 - 1958

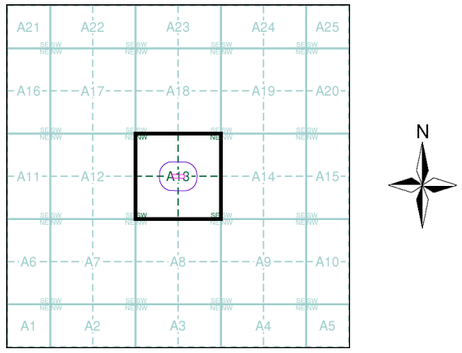
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ8694SW 1957 1:1,250	SJ8694SE 1957 1:1,250
SJ8693NW 1958 1:1,250	SJ8693NE 1958 1:1,250

Historical Map - Segment A13



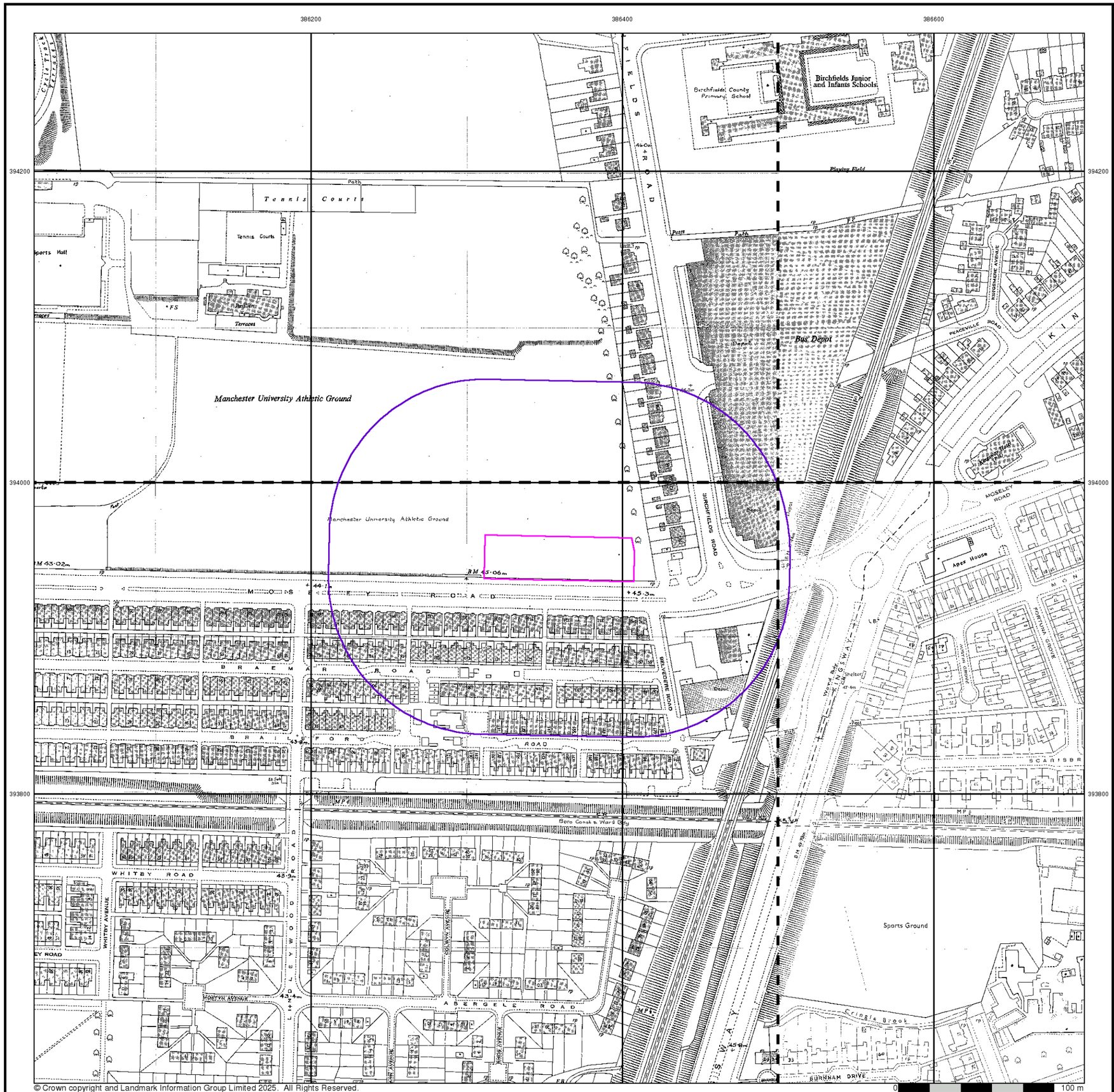
Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

Site Details

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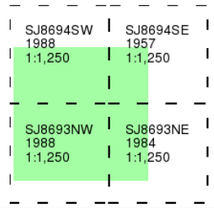
Additional SIMs

Published 1957 - 1988

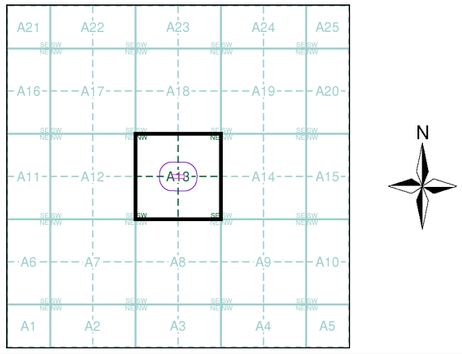
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



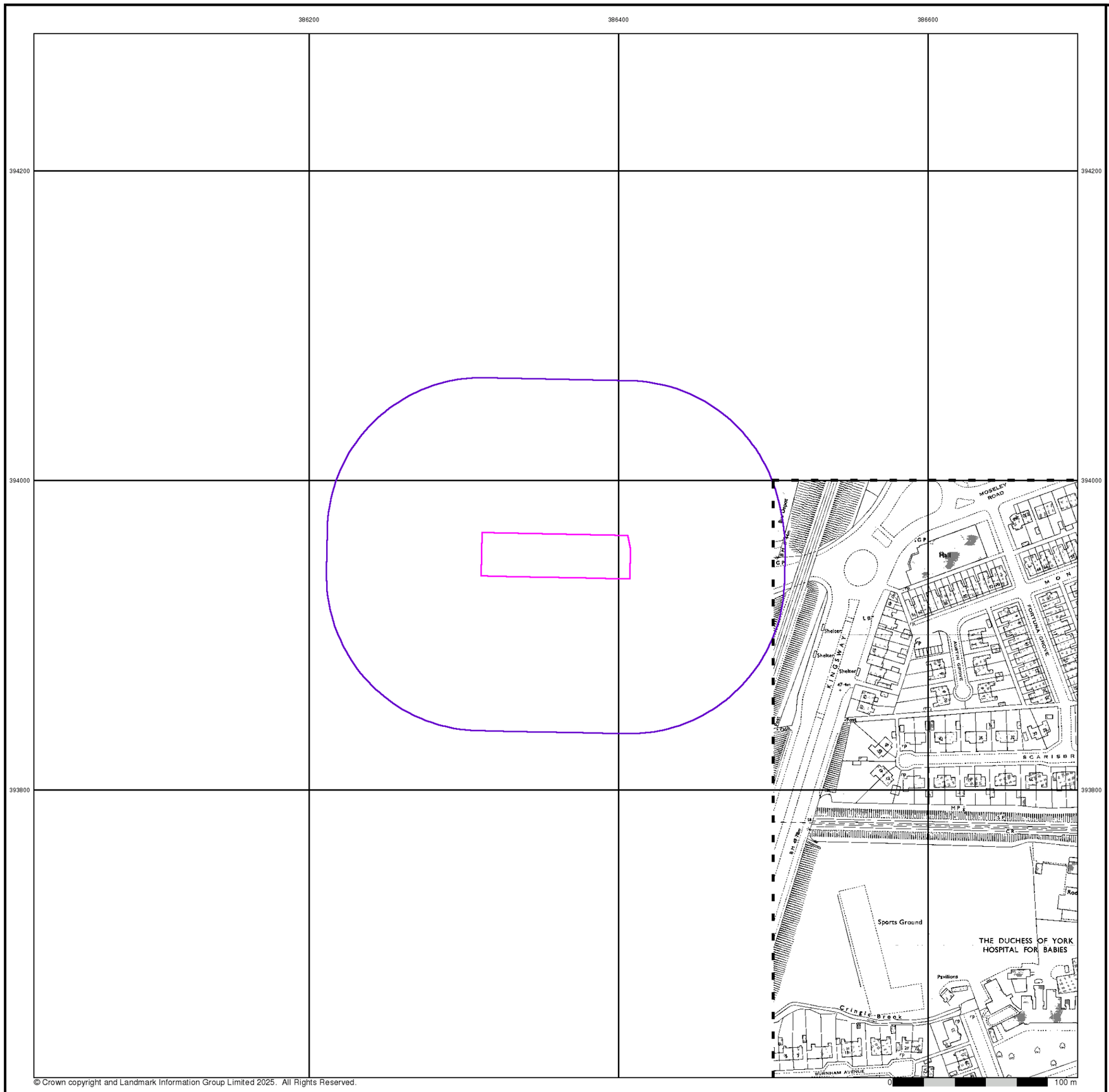
Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

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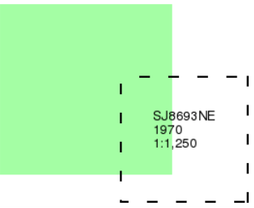
Ordnance Survey Plan

Published 1970

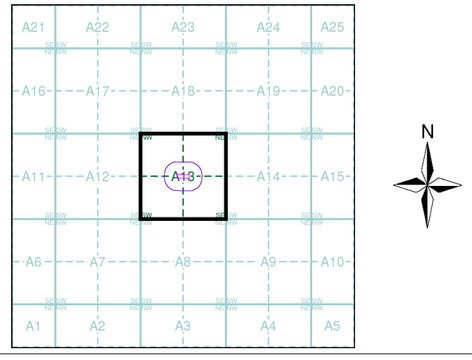
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



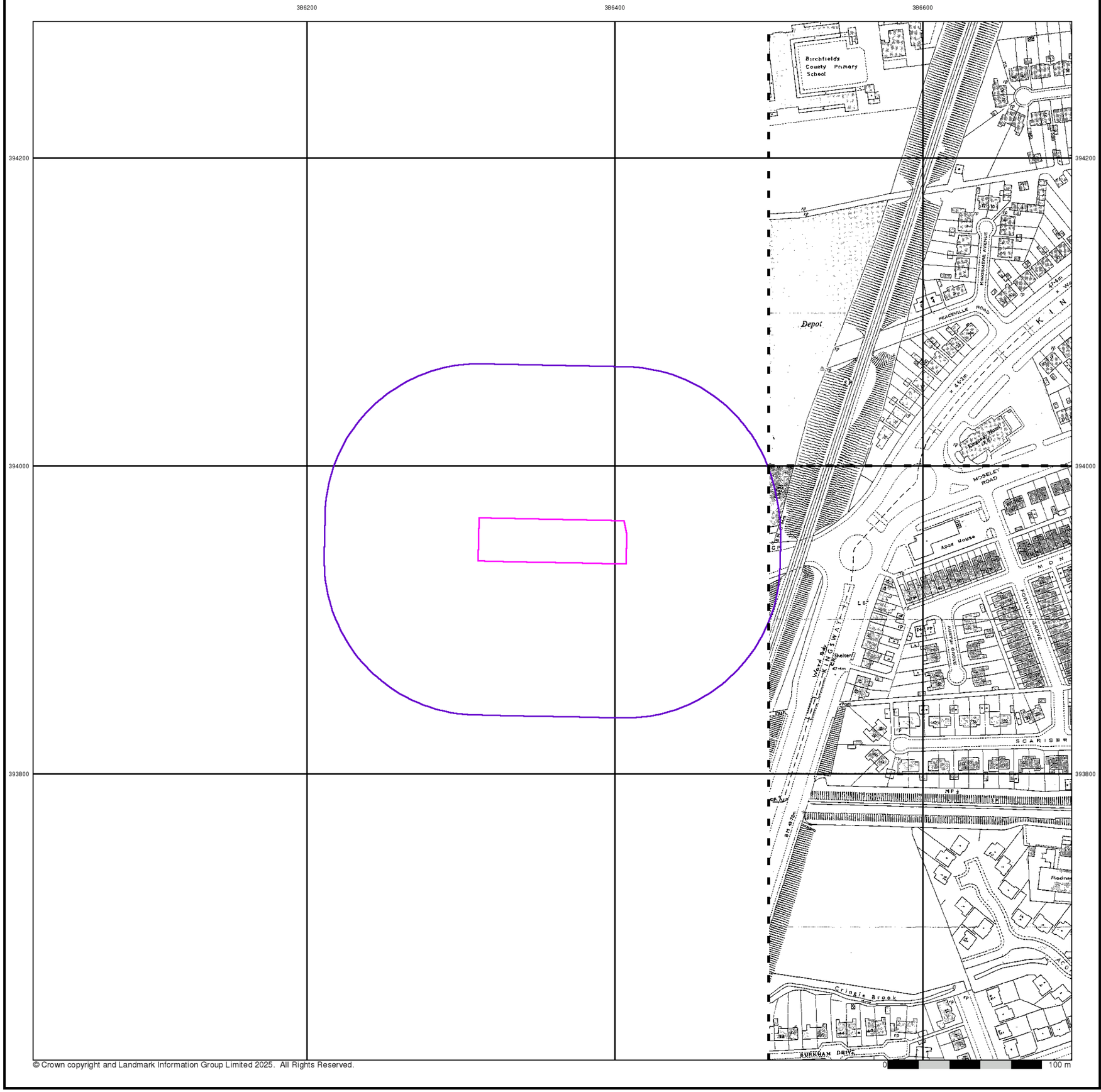
Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
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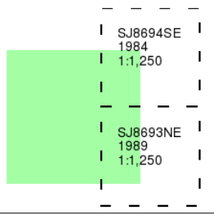
Additional SIMs

Published 1984 - 1989

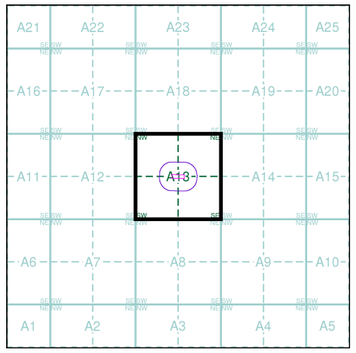
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



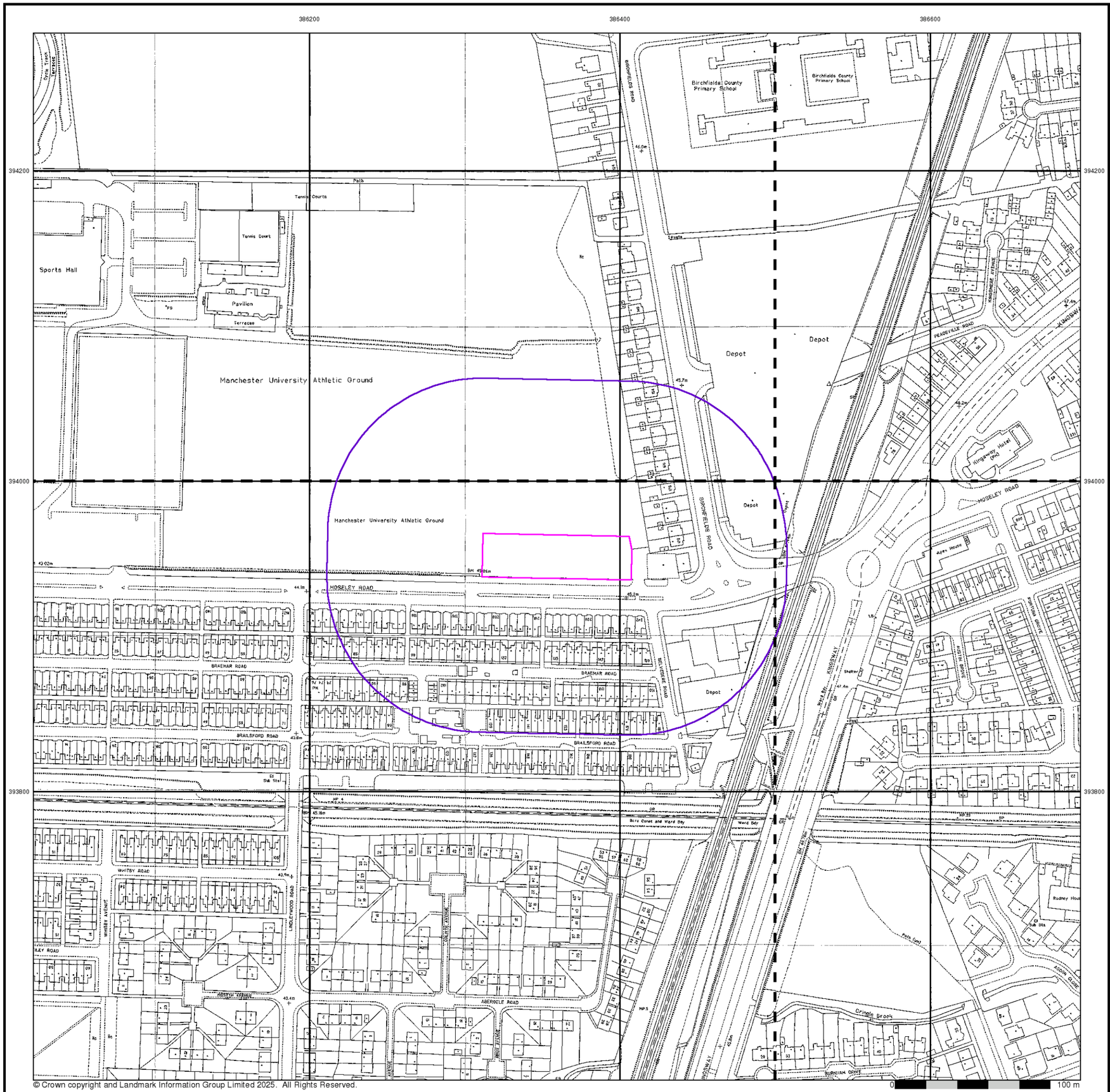
Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

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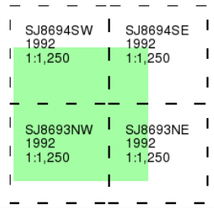
Large-Scale National Grid Data

Published 1992

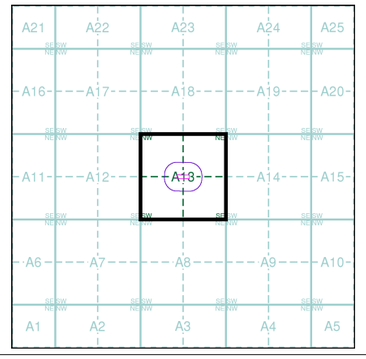
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

Site Details

Birchfields Road, MANCHESTER, M14 6PE

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Curtins

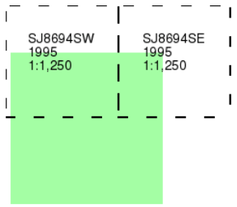
Large-Scale National Grid Data

Published 1995

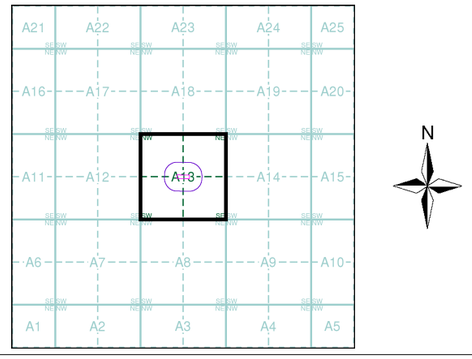
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

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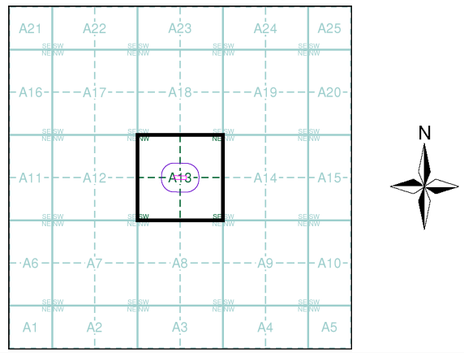
Curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	100

Site Details

Birchfields Road, MANCHESTER, M14 6PE

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

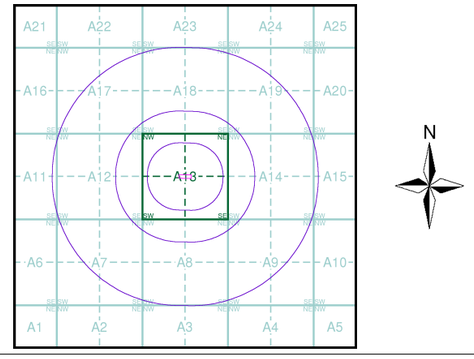
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

Curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1909	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1933 - 1934	10
Lancashire And Furness	1:10,560	1938	11
Cheshire	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955 - 1956	13
Ordnance Survey Plan	1:10,000	1965 - 1968	14
Manchester	1:25,000	1975	15
Ordnance Survey Plan	1:10,000	1976	16
Ordnance Survey Plan	1:10,000	1981 - 1985	17
Ordnance Survey Plan	1:10,000	1987	18
Ordnance Survey Plan	1:10,000	1990 - 1993	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2024	22

Historical Map - Slice A



Order Details

Order Number: 375531898_1_1
Customer Ref: EBMA22988
National Grid Reference: 386360, 393950
Slice: A
Site Area (Ha): 0.27
Search Buffer (m): 1000

Site Details

Birchfields Road, MANCHESTER, M14 6PE

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

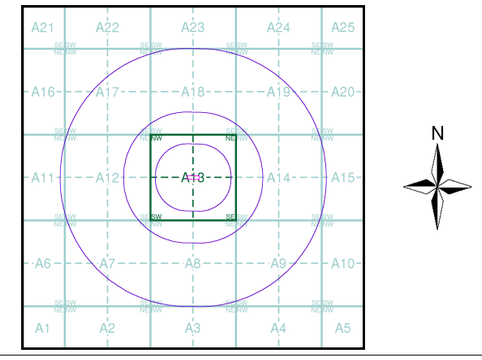
Key to Numbers on Mapping

Curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1909	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1933 - 1934	10
Lancashire And Furness	1:10,560	1938	11
Cheshire	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955 - 1956	13
Ordnance Survey Plan	1:10,000	1965 - 1968	14
Manchester	1:25,000	1975	15
Ordnance Survey Plan	1:10,000	1976	16
Ordnance Survey Plan	1:10,000	1981 - 1985	17
Ordnance Survey Plan	1:10,000	1987	18
Ordnance Survey Plan	1:10,000	1990 - 1993	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2024	22

Russian Map - Slice A



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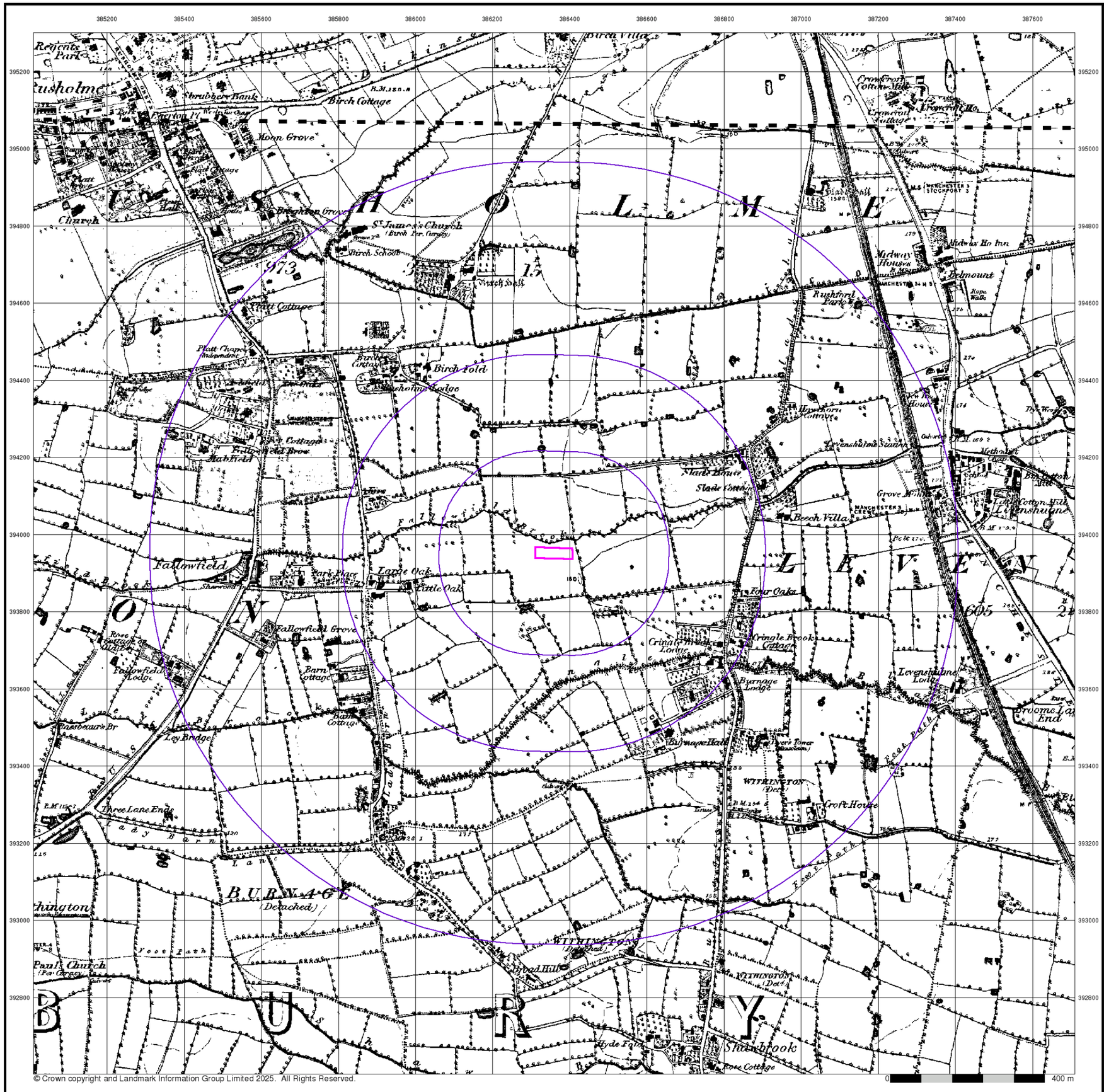
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Search Buffer (m):	1000

Site Details

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Curtins

Lancashire And Furness

Published 1848

Source map scale - 1:10,560

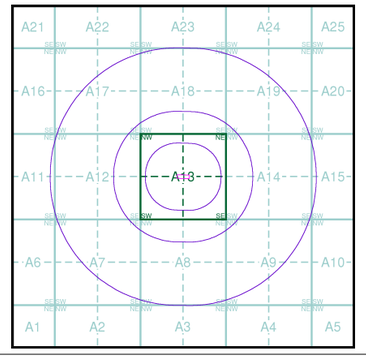
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

10400
1848
1:10,560

11100
1848
1:10,560

Historical Map - Slice A



Order Details

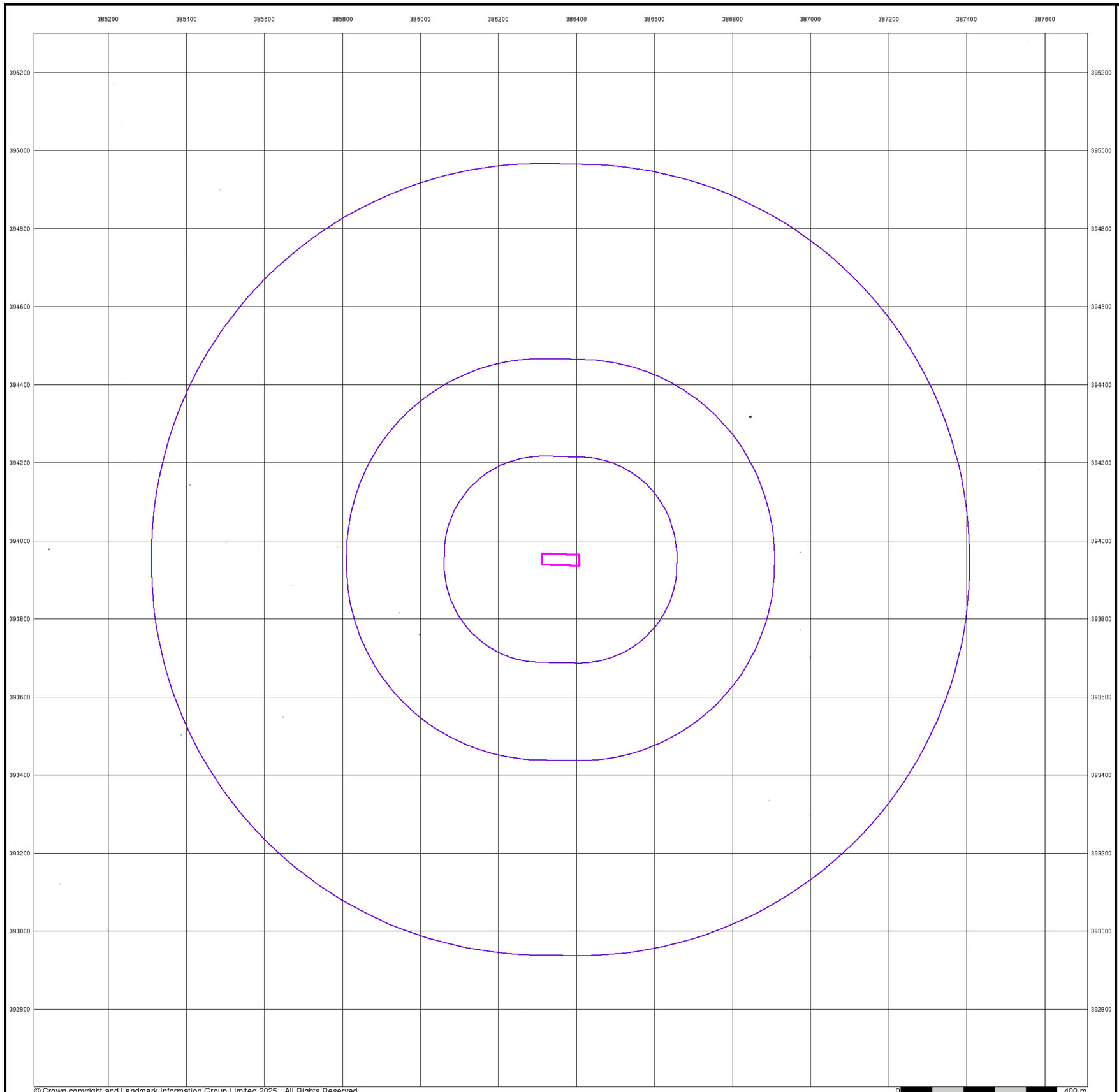
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Site Area (Ha):	0.27
Search Buffer (m):	1000

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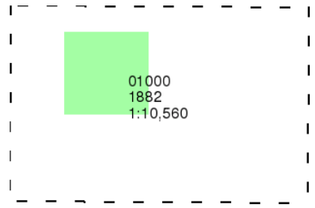
Cheshire

Published 1882

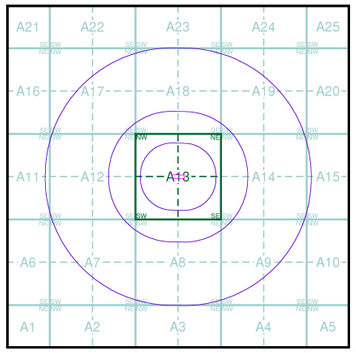
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

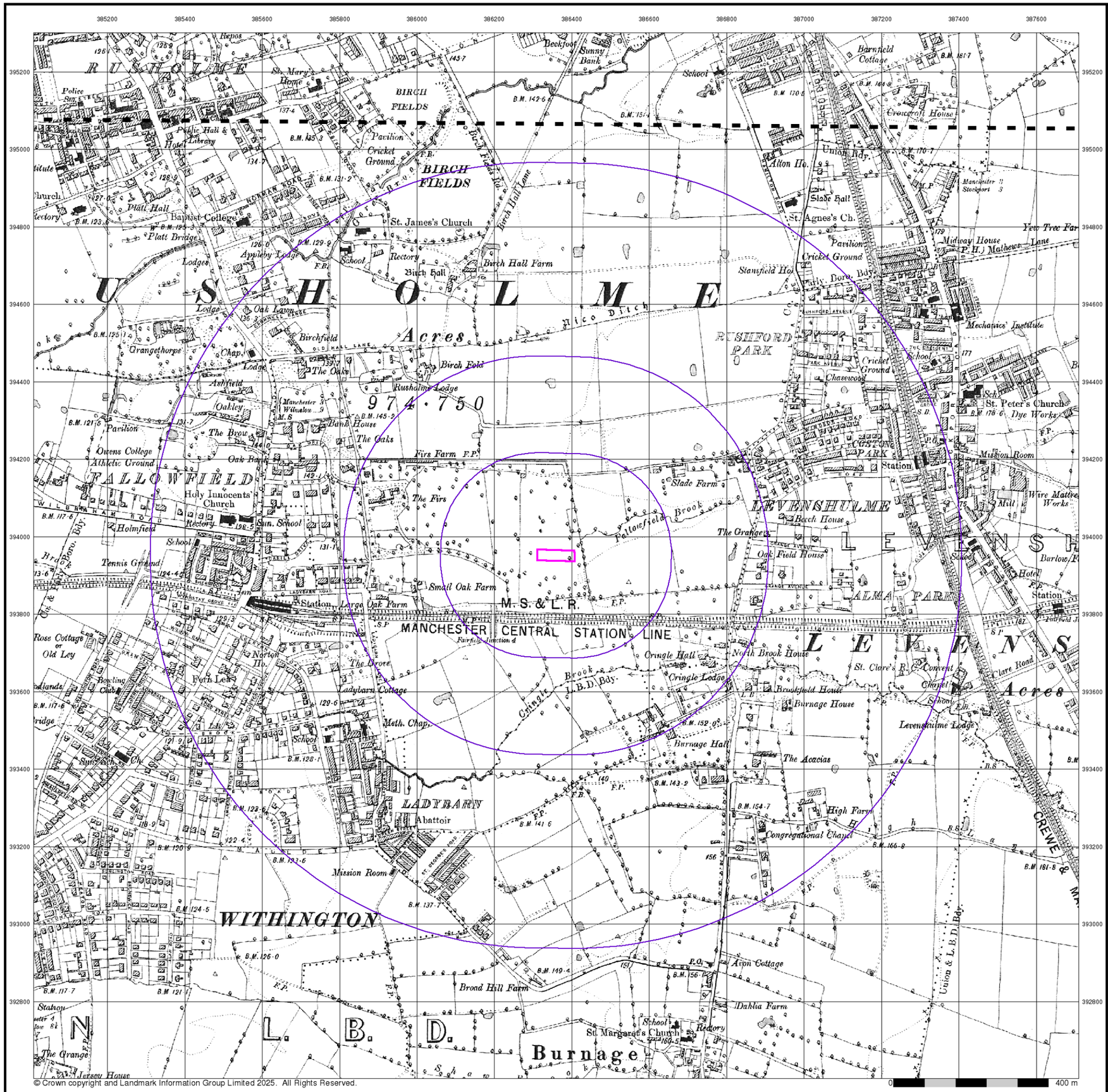
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Curtins

Lancashire And Furness

Published 1894

Source map scale - 1:10,560

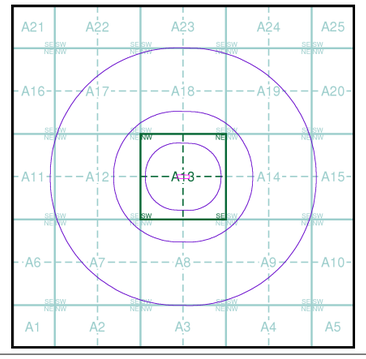
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Map Name(s) and Date(s)

104SE
1894
1:10,560

111NE
1894
1:10,560

Historical Map - Slice A



Order Details

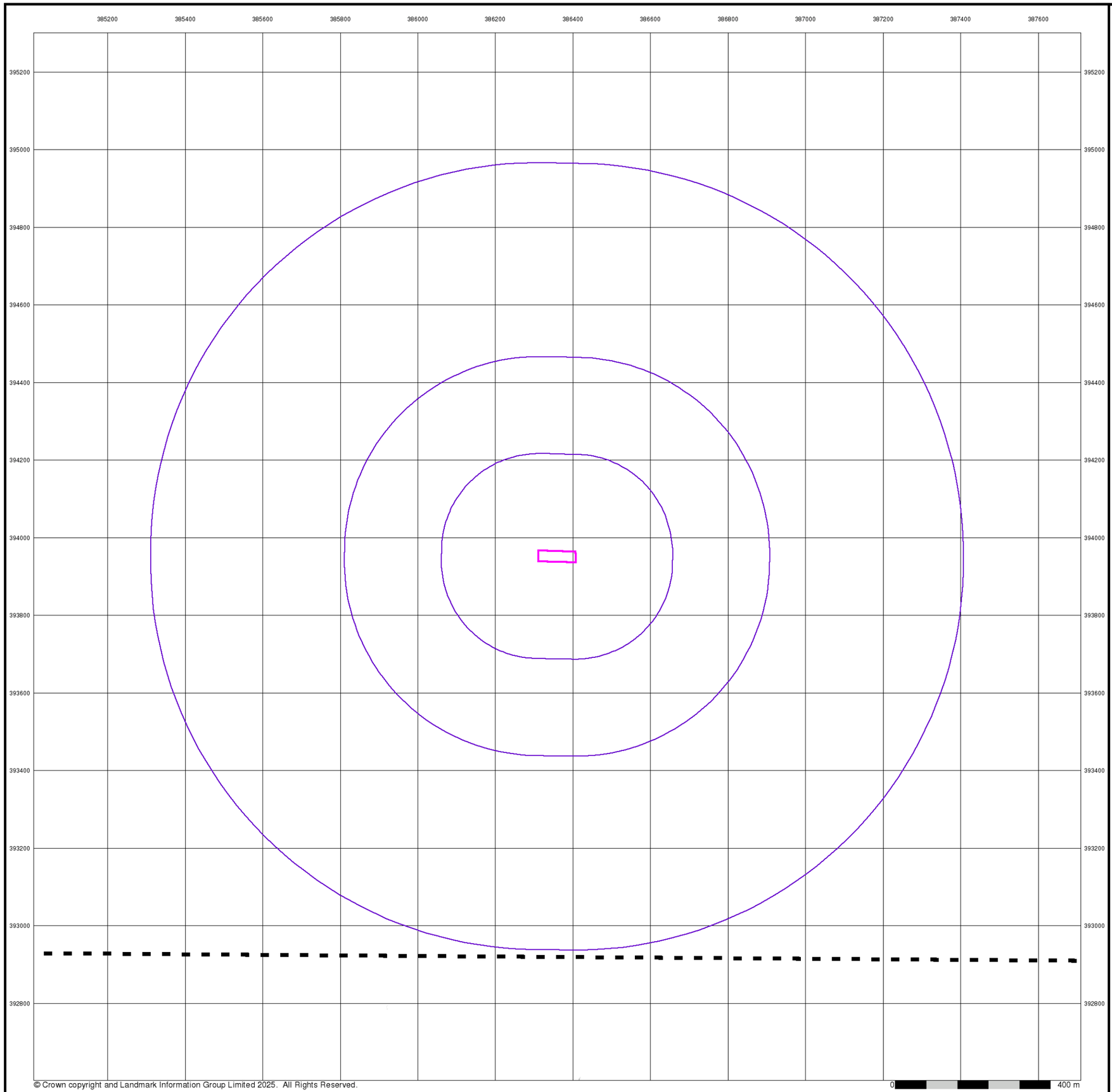
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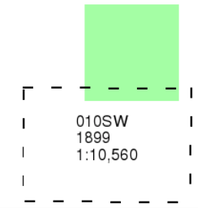
Cheshire

Published 1899

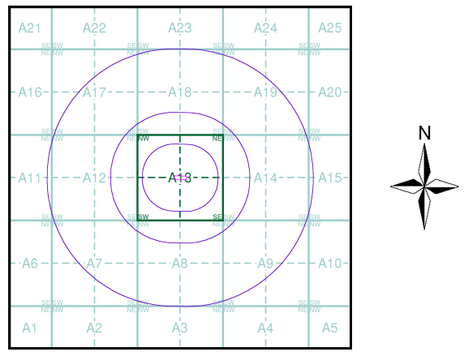
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

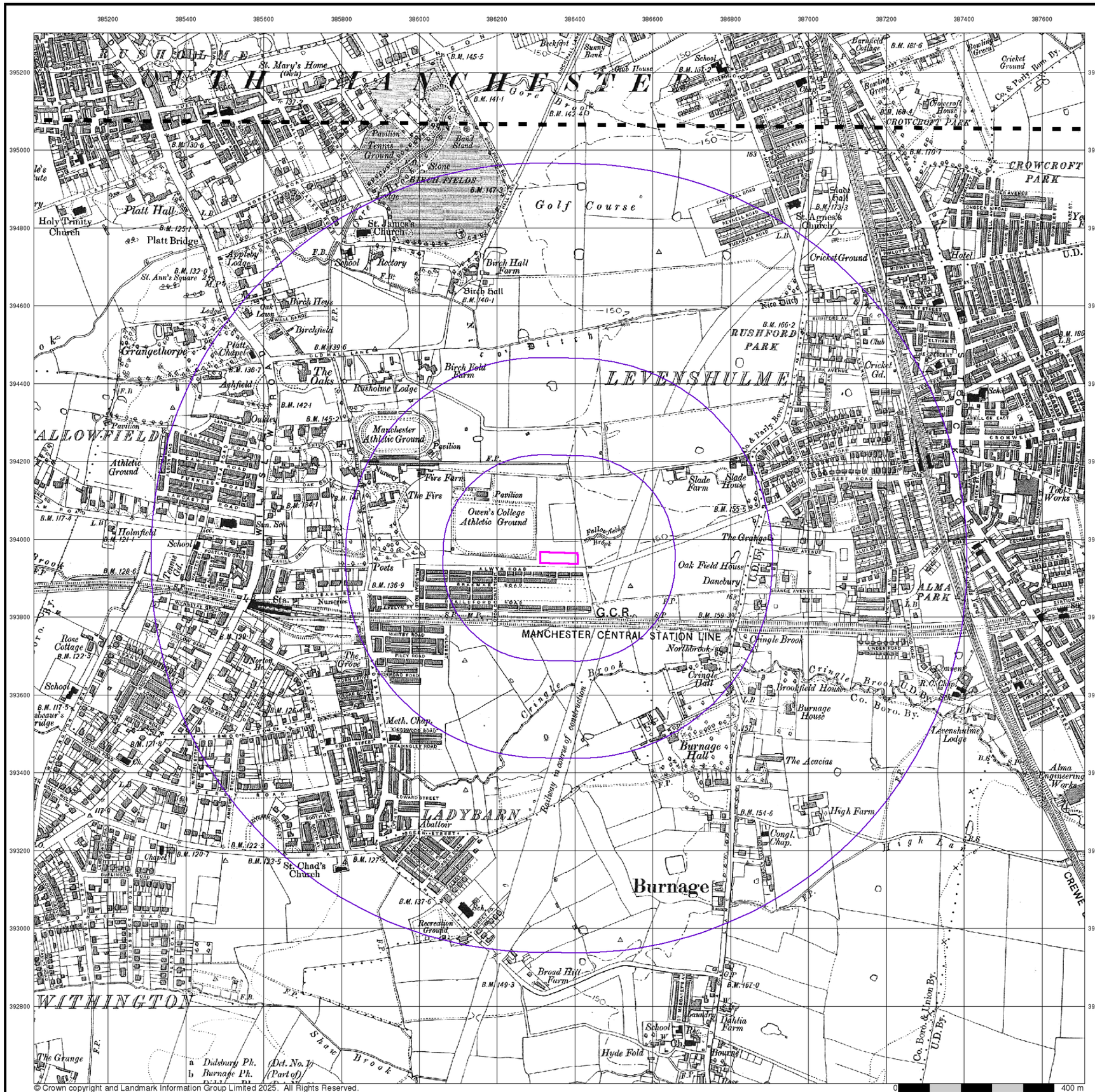
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Search Buffer (m):	1000

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Curtins

Lancashire And Furness

Published 1908 - 1909

Source map scale - 1:10,560

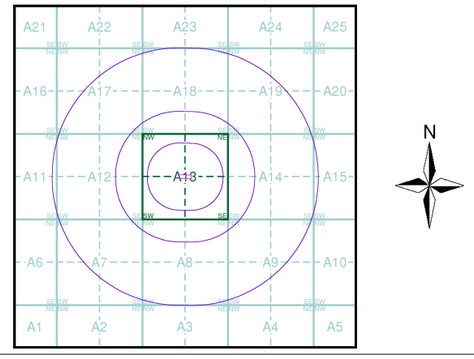
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Map Name(s) and Date(s)

104SE
1909
1:10,560

111NE
1908
1:10,560

Historical Map - Slice A



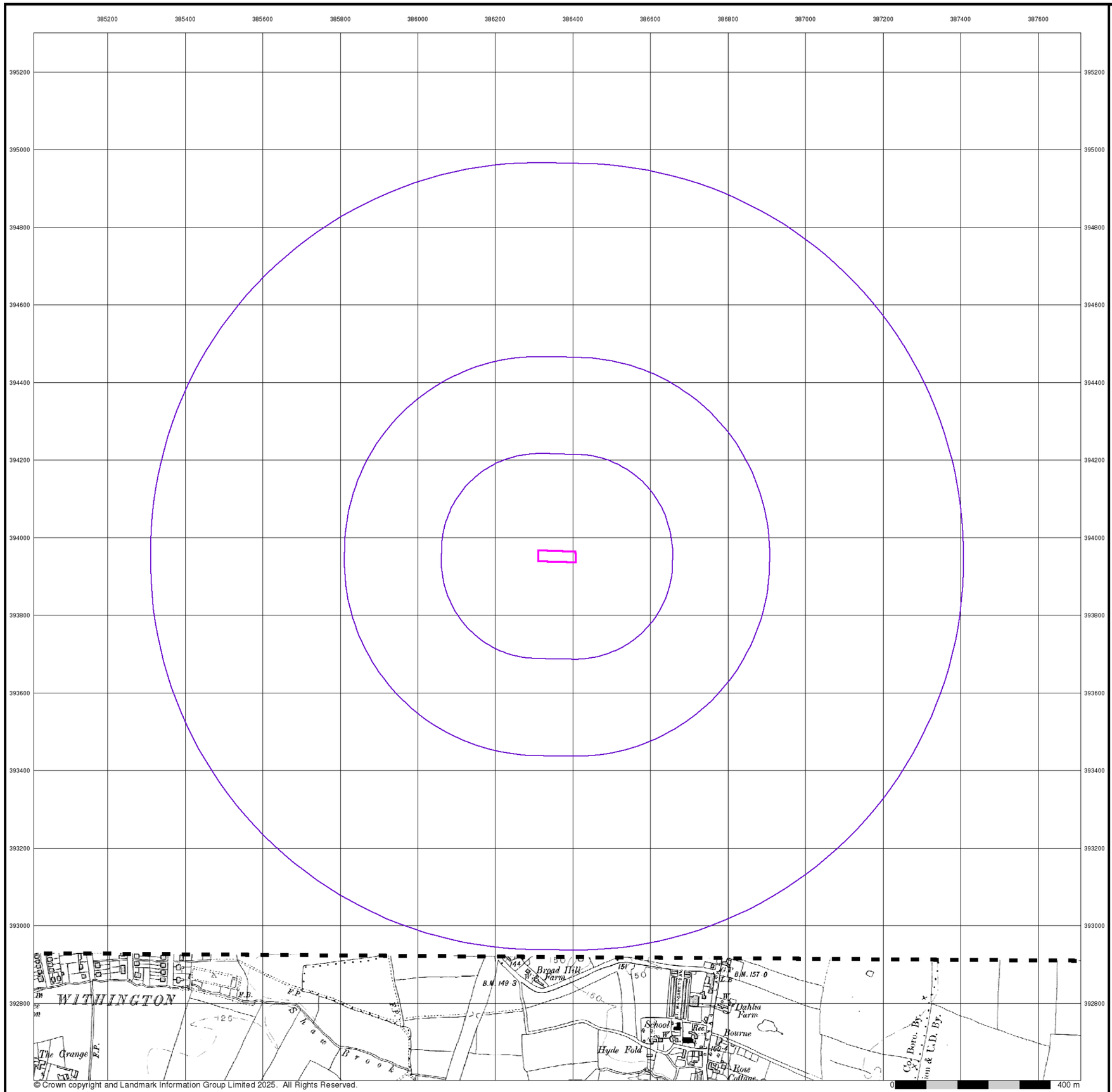
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Site Area (Ha):	0.27
Search Buffer (m):	1000

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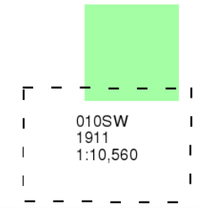
Cheshire

Published 1911

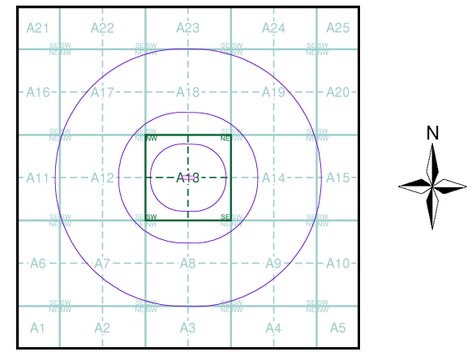
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	1000

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Curtins

Lancashire And Furness

Published 1923

Source map scale - 1:10,560

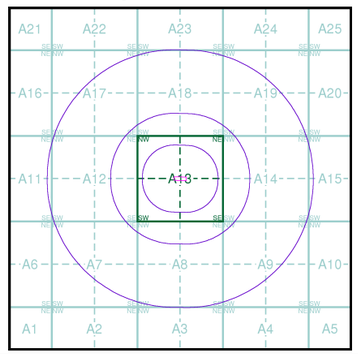
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Map Name(s) and Date(s)

104SE
1923
1:10,560

111NE
1923
1:10,560

Historical Map - Slice A



Order Details

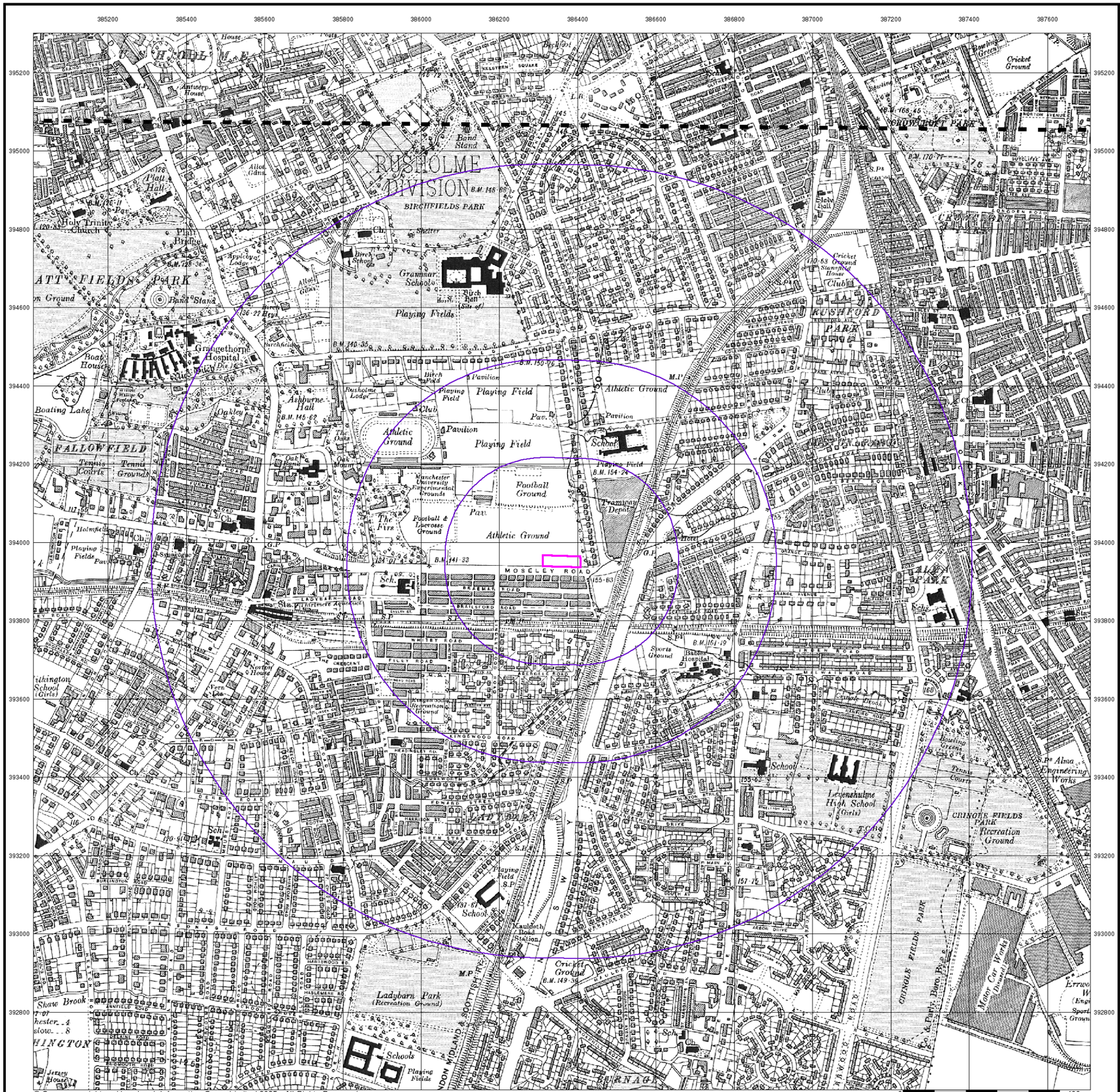
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Curtins

Lancashire And Furness

Published 1933 - 1934

Source map scale - 1:10,560

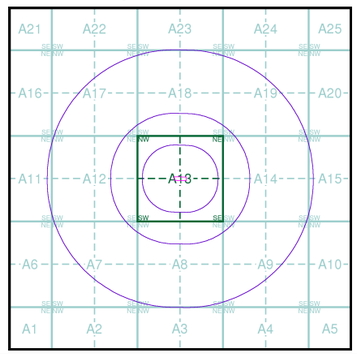
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Map Name(s) and Date(s)

104SE
1933
1:10,560

111NE
1934
1:10,560

Historical Map - Slice A



Order Details

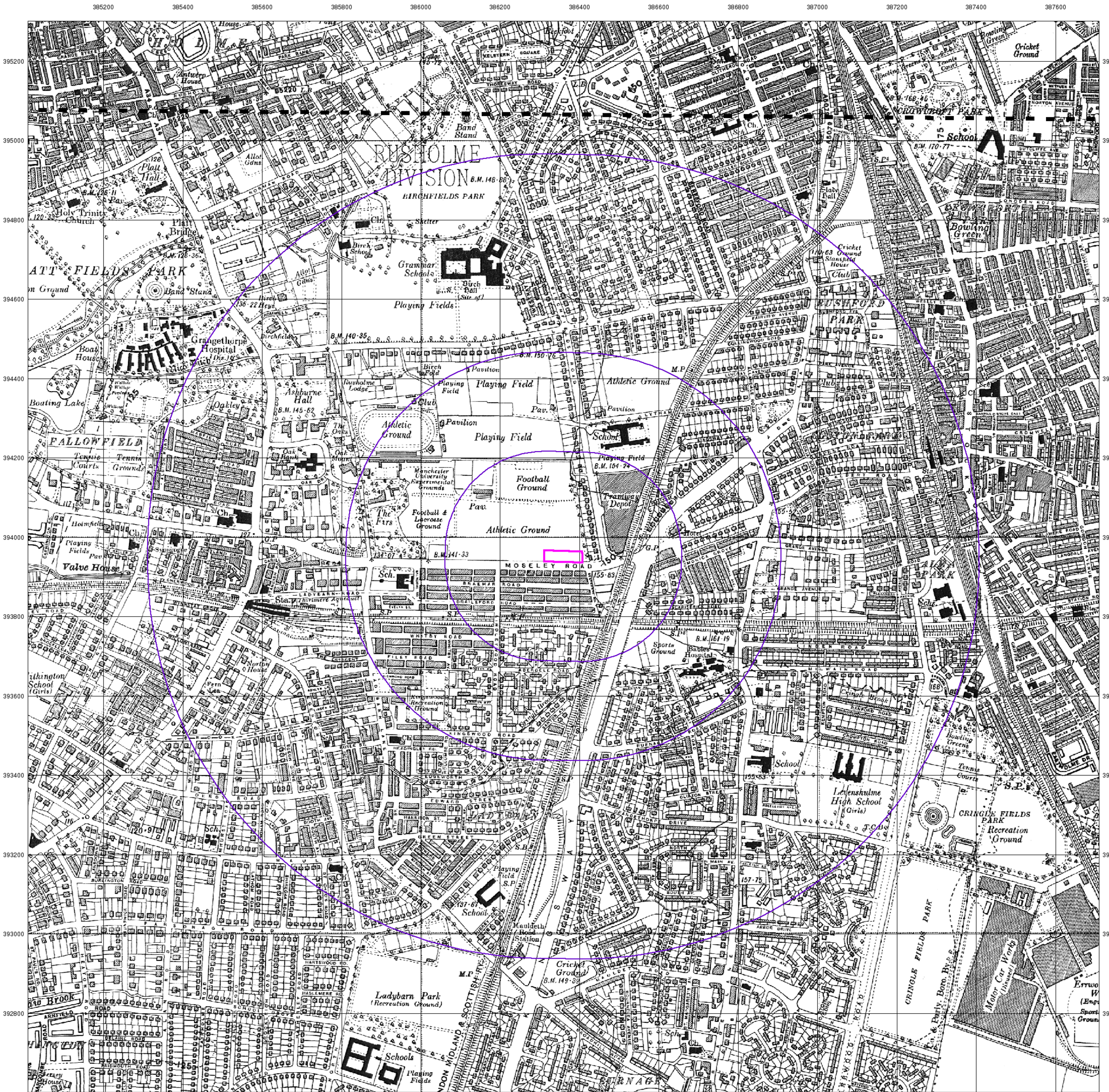
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Curtins

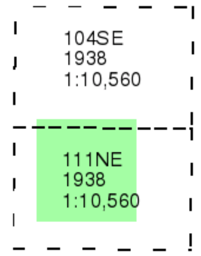
Lancashire And Furness

Published 1938

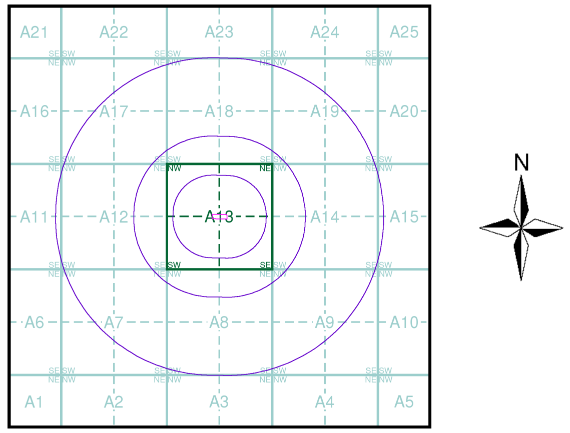
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

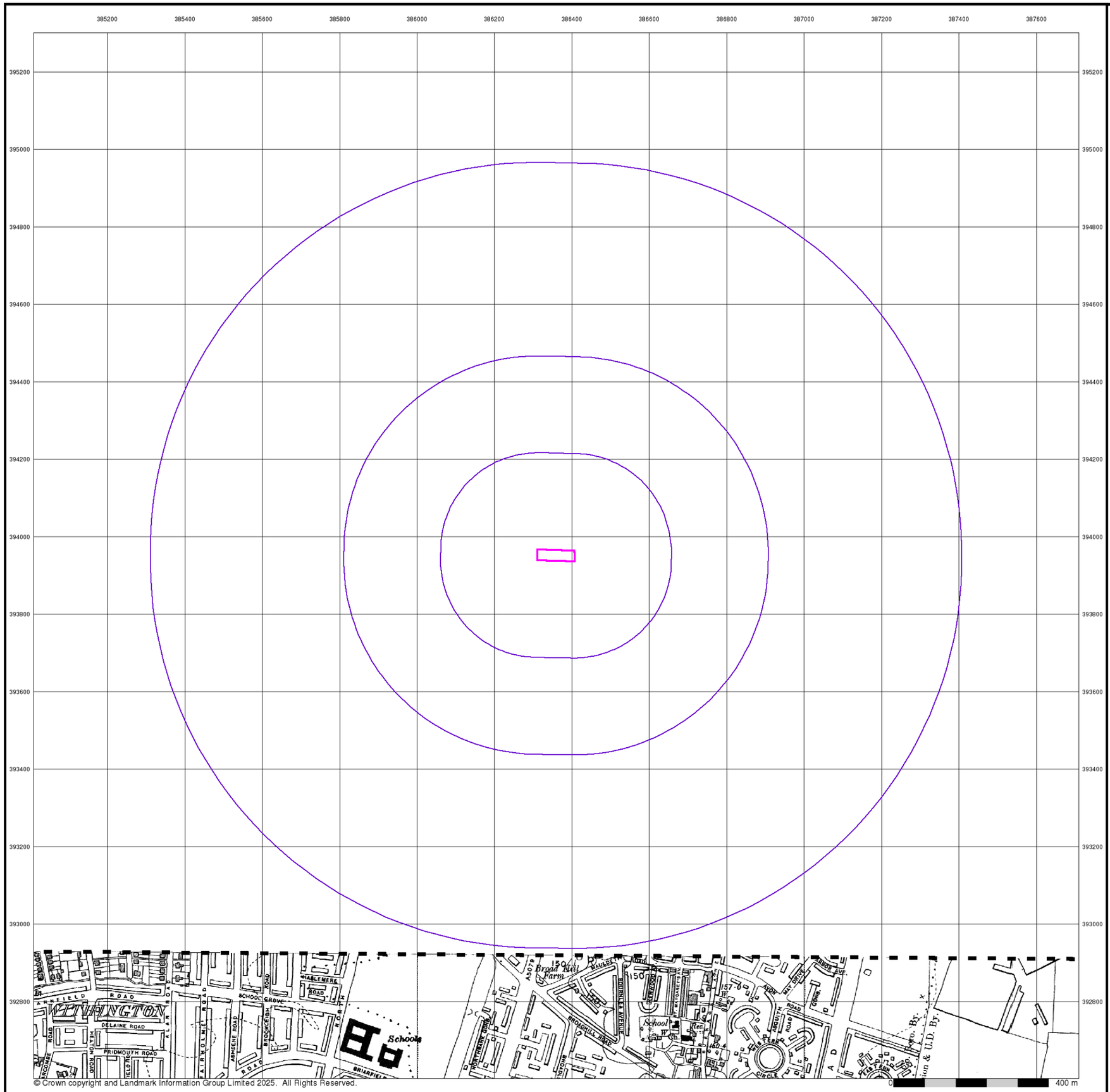
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Site Details

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Curtins

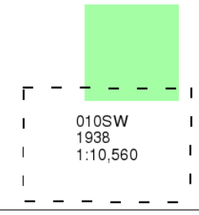
Cheshire

Published 1938

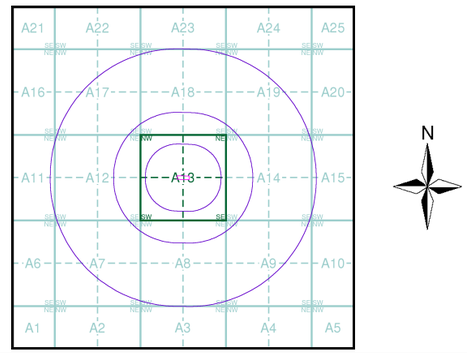
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



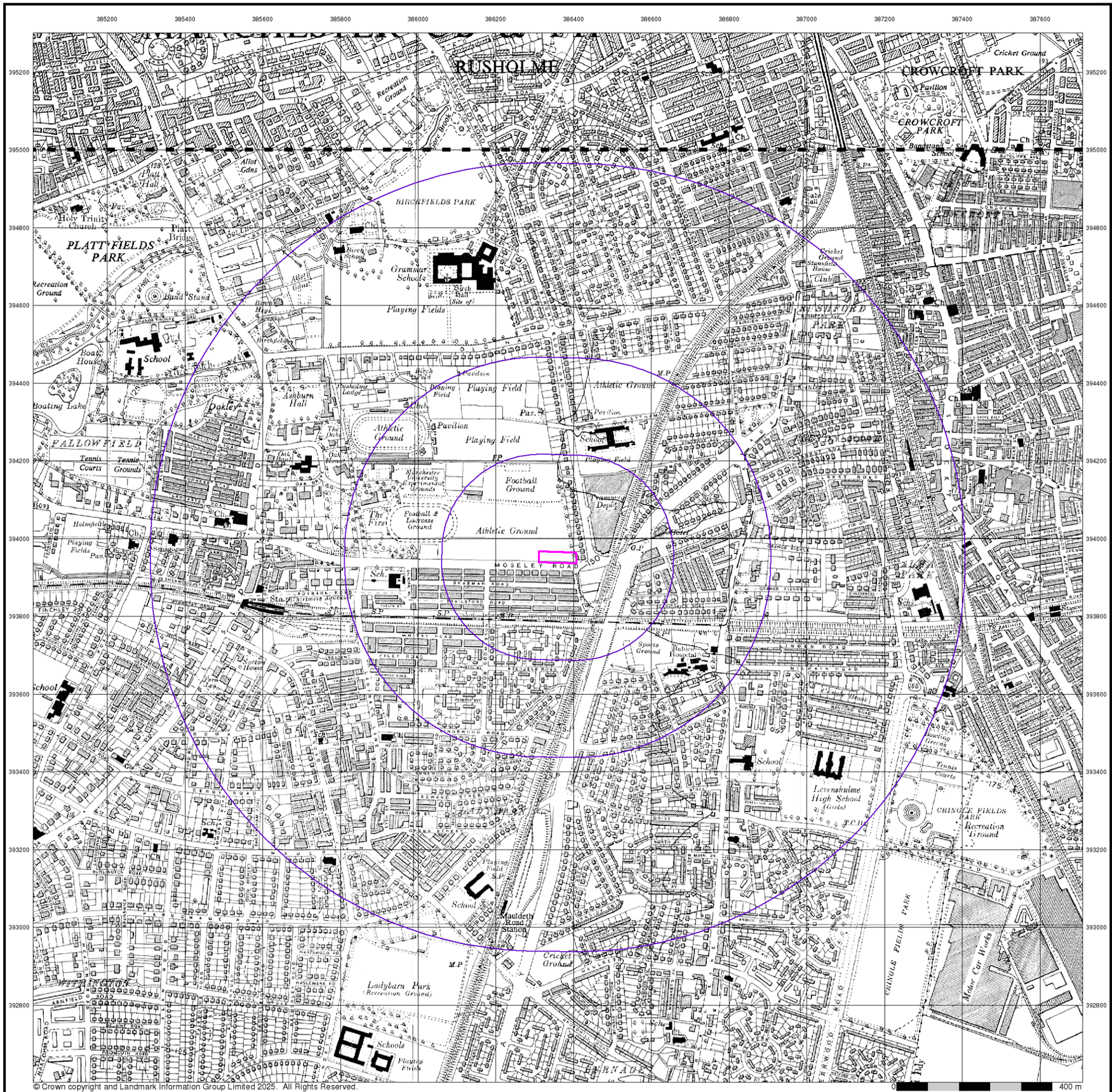
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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	1000

Site Details

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Curtins

Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:10,000

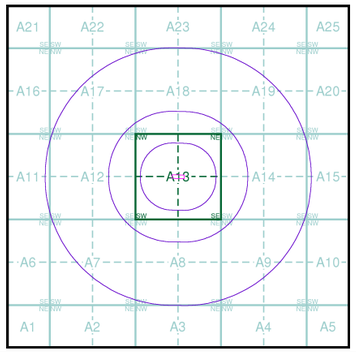
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ89NE
1956
1:10,560

SJ89SE
1955
1:10,560

Historical Map - Slice A



Order Details

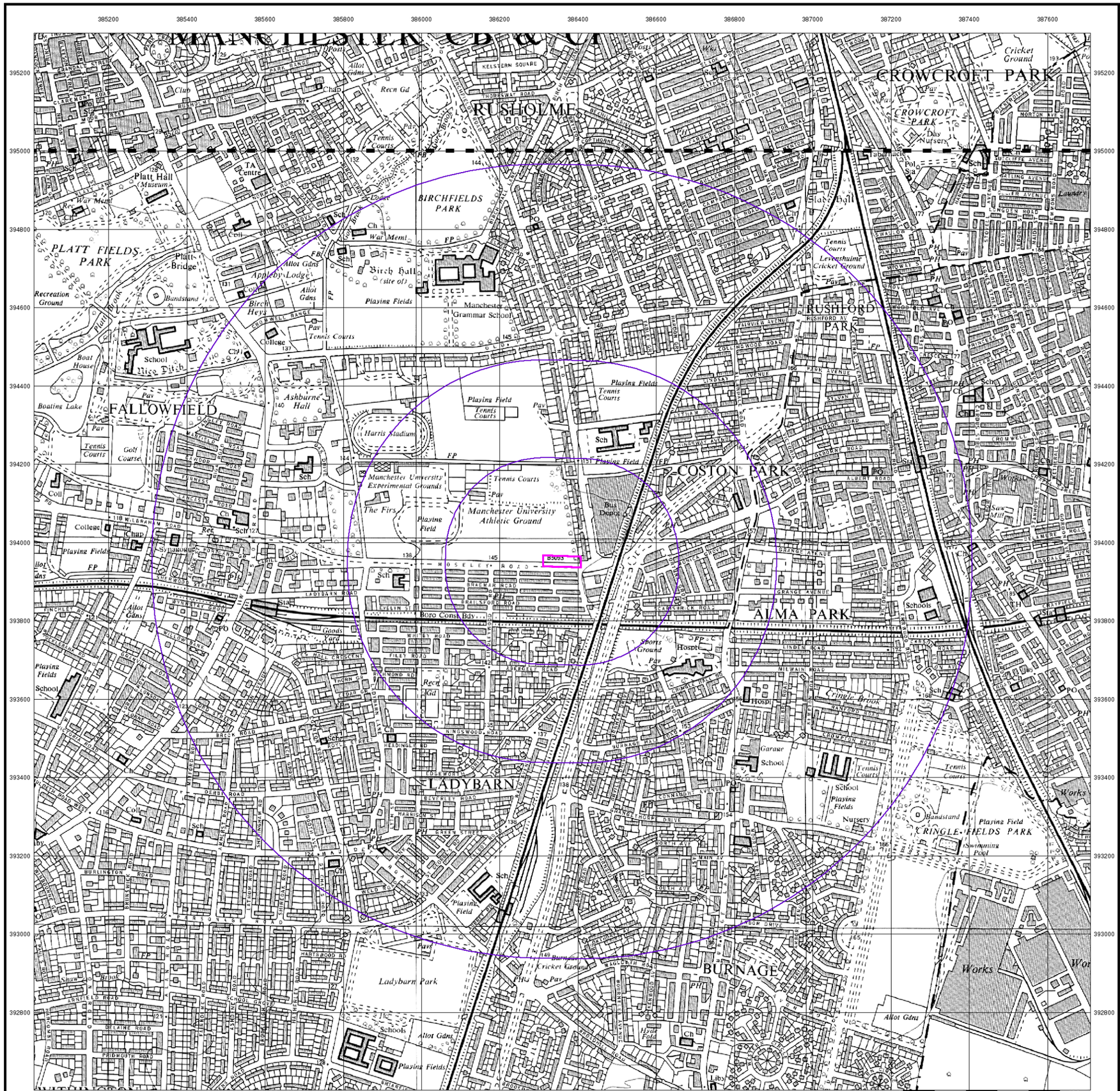
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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
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Search Buffer (m):	1000

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Curtins

Ordnance Survey Plan

Published 1965 - 1968

Source map scale - 1:10,000

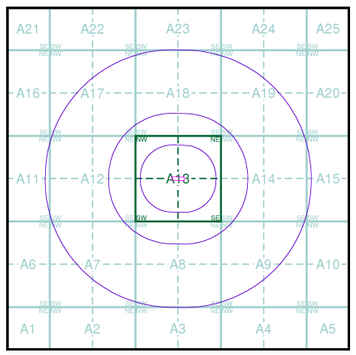
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ89NE
1968
1:10,560

SJ89SE
1965
1:10,560

Historical Map - Slice A



Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
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Site Details

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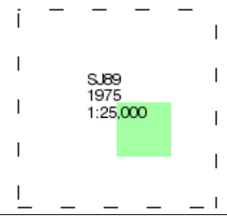
Manchester

Published 1975

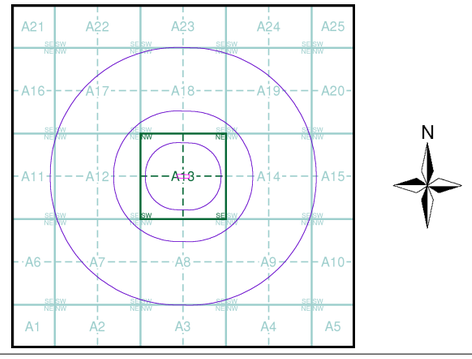
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



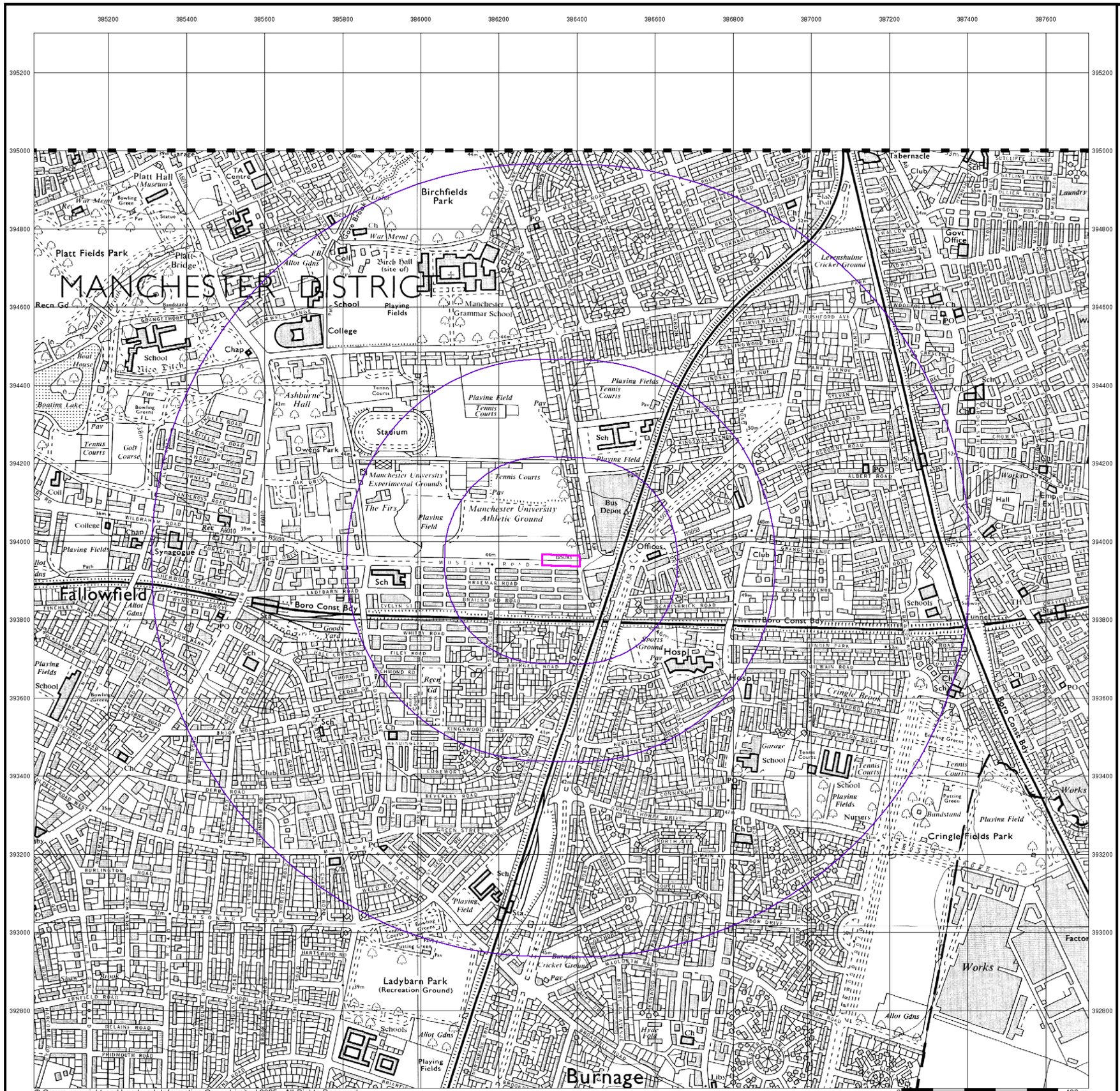
Order Details

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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
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Site Area (Ha):	0.27
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1976

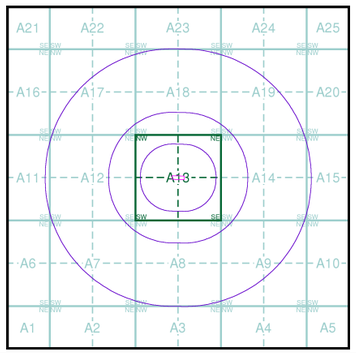
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ89SE
1976
1:10,000

Historical Map - Slice A



Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	1000

Site Details

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Curtins

Ordnance Survey Plan

Published 1981 - 1985

Source map scale - 1:10,000

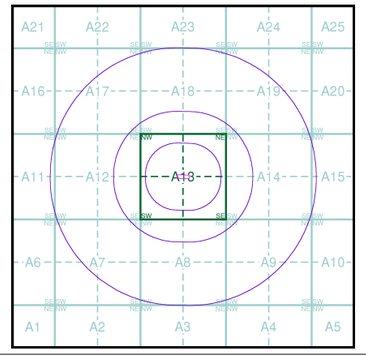
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ89NE
1981
1:10,000

SJ89SE
1985
1:10,000

Historical Map - Slice A



Order Details

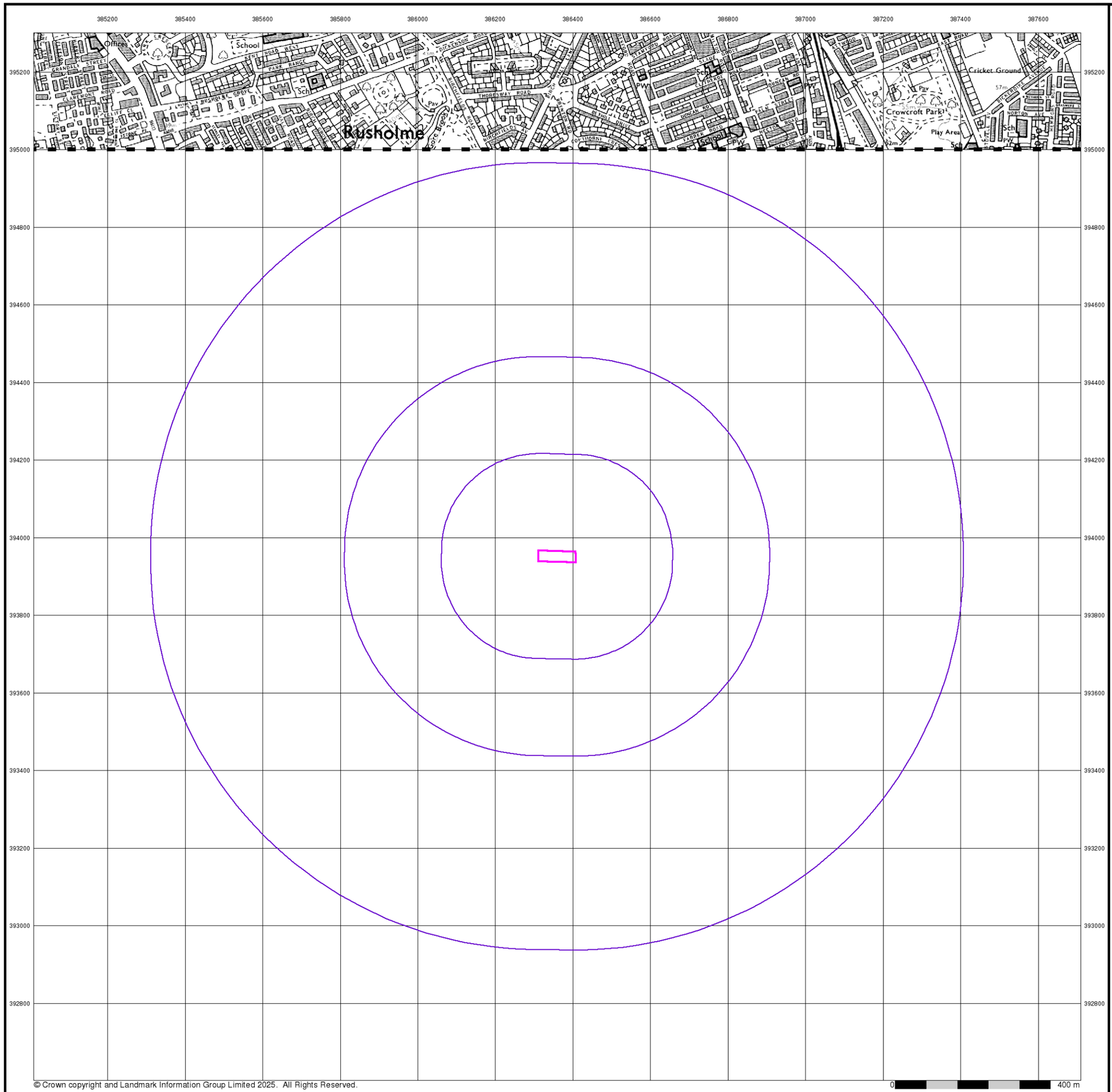
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National Grid Reference:	386360, 393950
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Site Area (Ha):	0.27
Search Buffer (m):	1000

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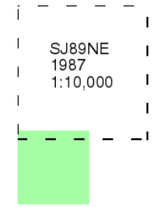
Ordnance Survey Plan

Published 1987

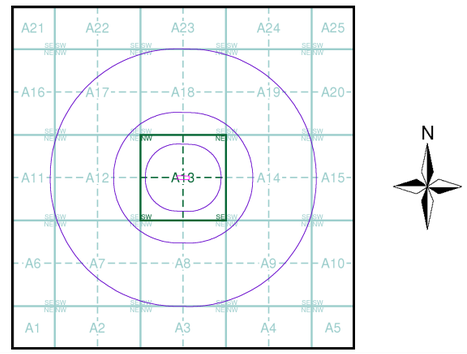
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



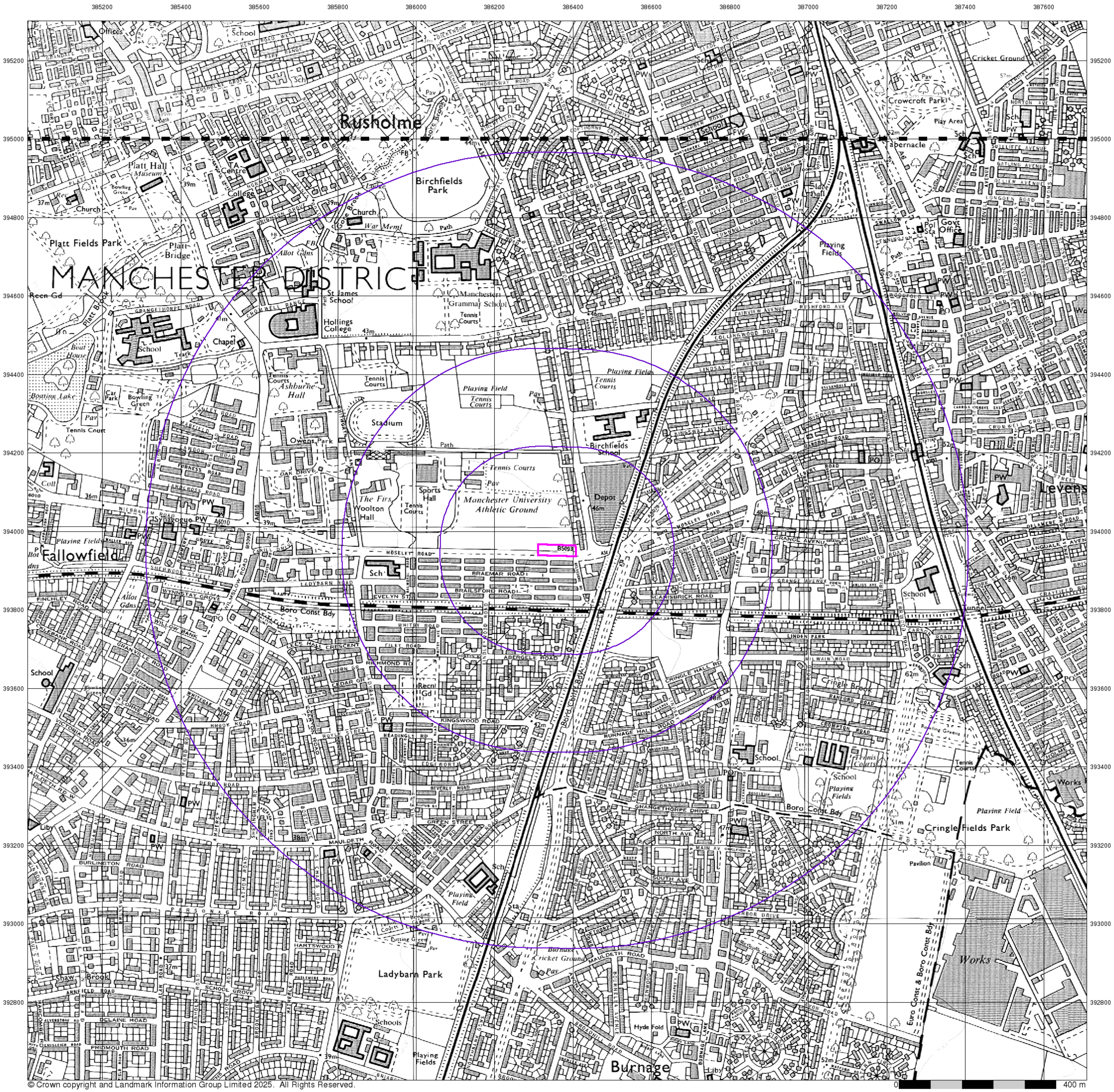
Order Details

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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1990 - 1993

Source map scale - 1:10,000

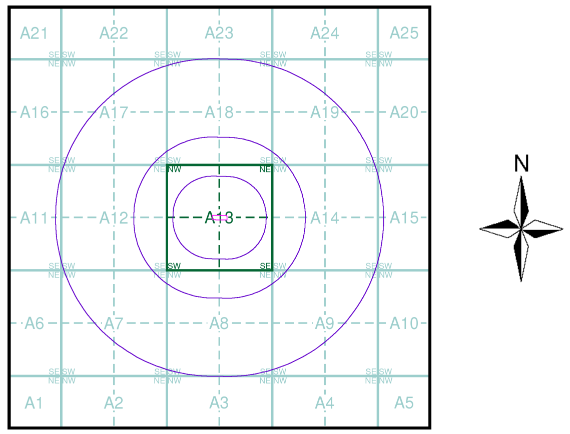
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ89NE
1993
1:10,000

SJ89SE
1990
1:10,000

Historical Map - Slice A



Order Details

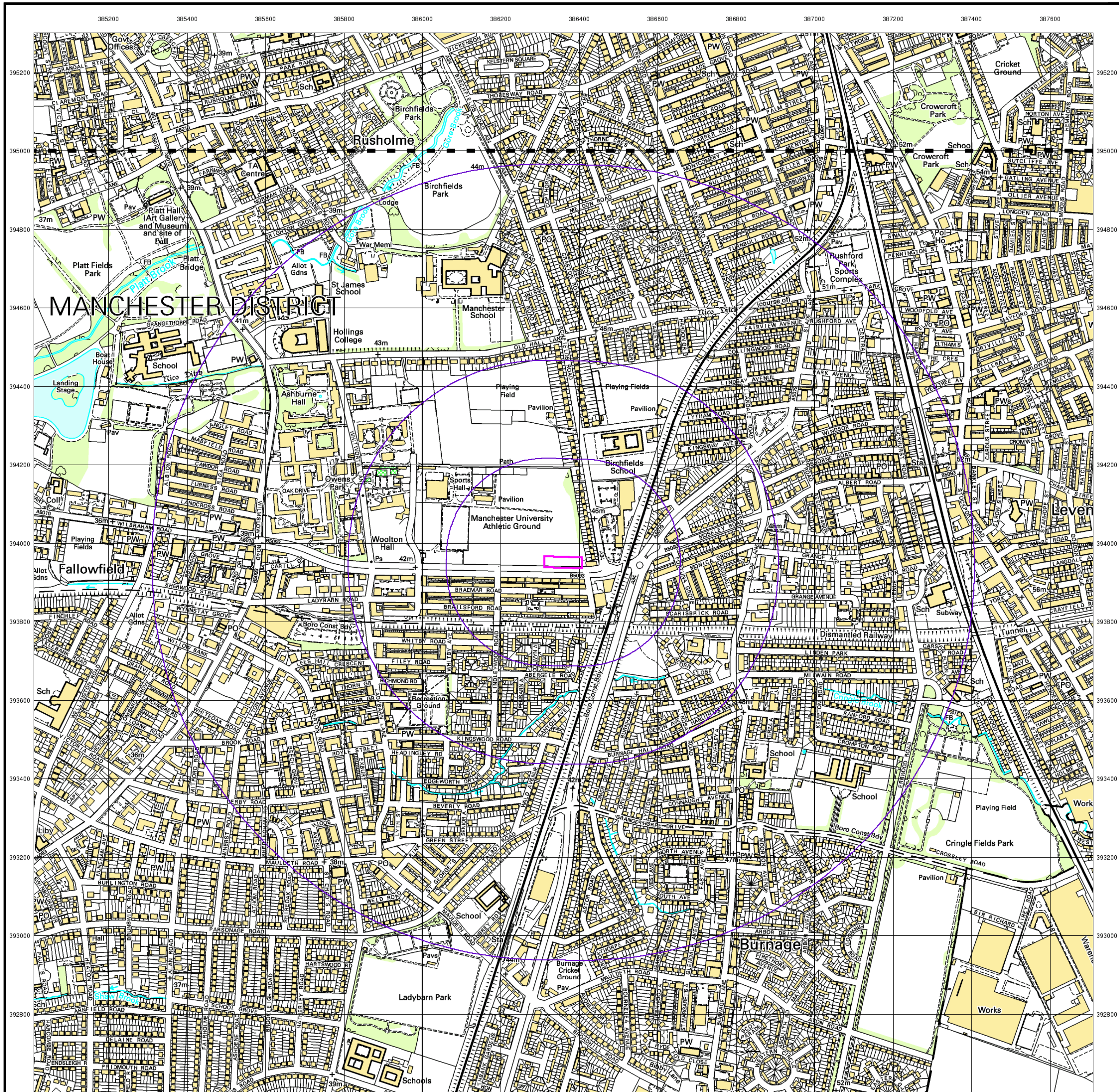
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Slice: A
Site Area (Ha): 0.27
Search Buffer (m): 1000

Site Details

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0 400 m

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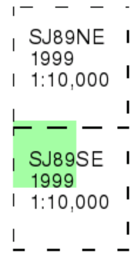
10k Raster Mapping

Published 1999

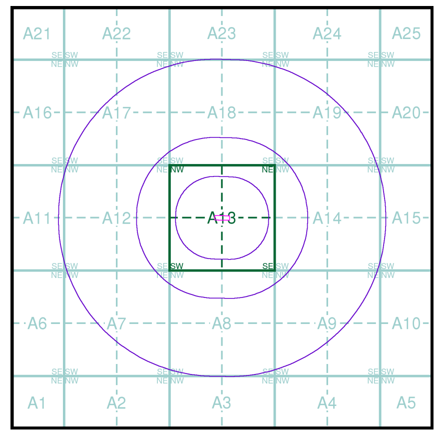
Source map scale - 1:10,000

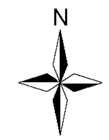
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A





Order Details

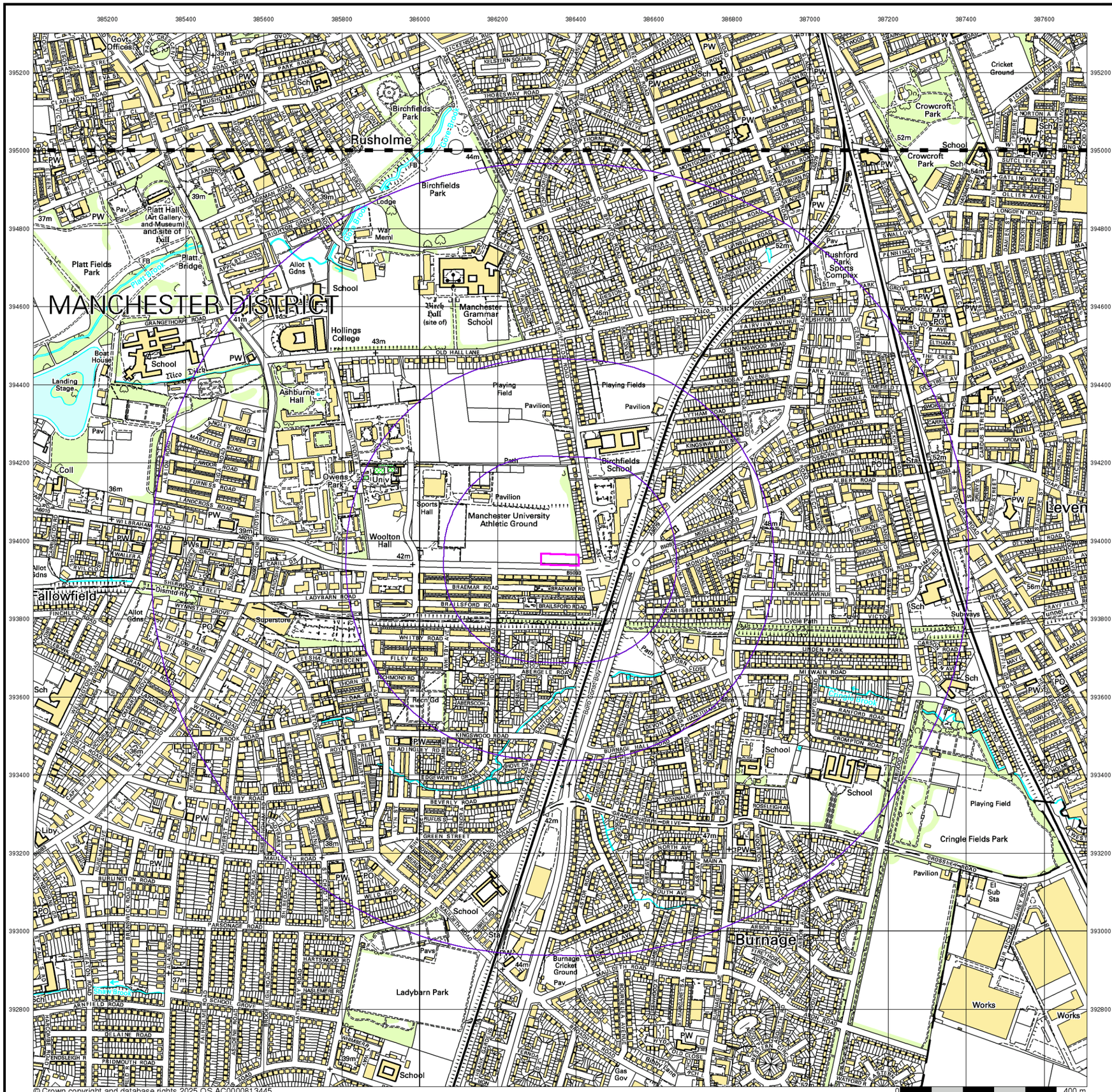
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Search Buffer (m):	1000

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0 400 m

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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

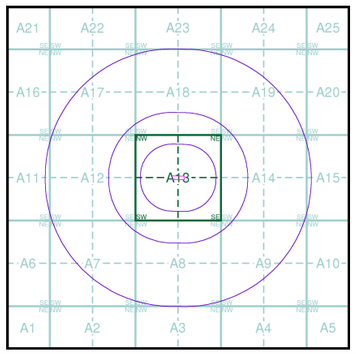
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SJ89NE 2006 1:10,000

SJ89SE 2006 1:10,000

Historical Map - Slice A



Order Details

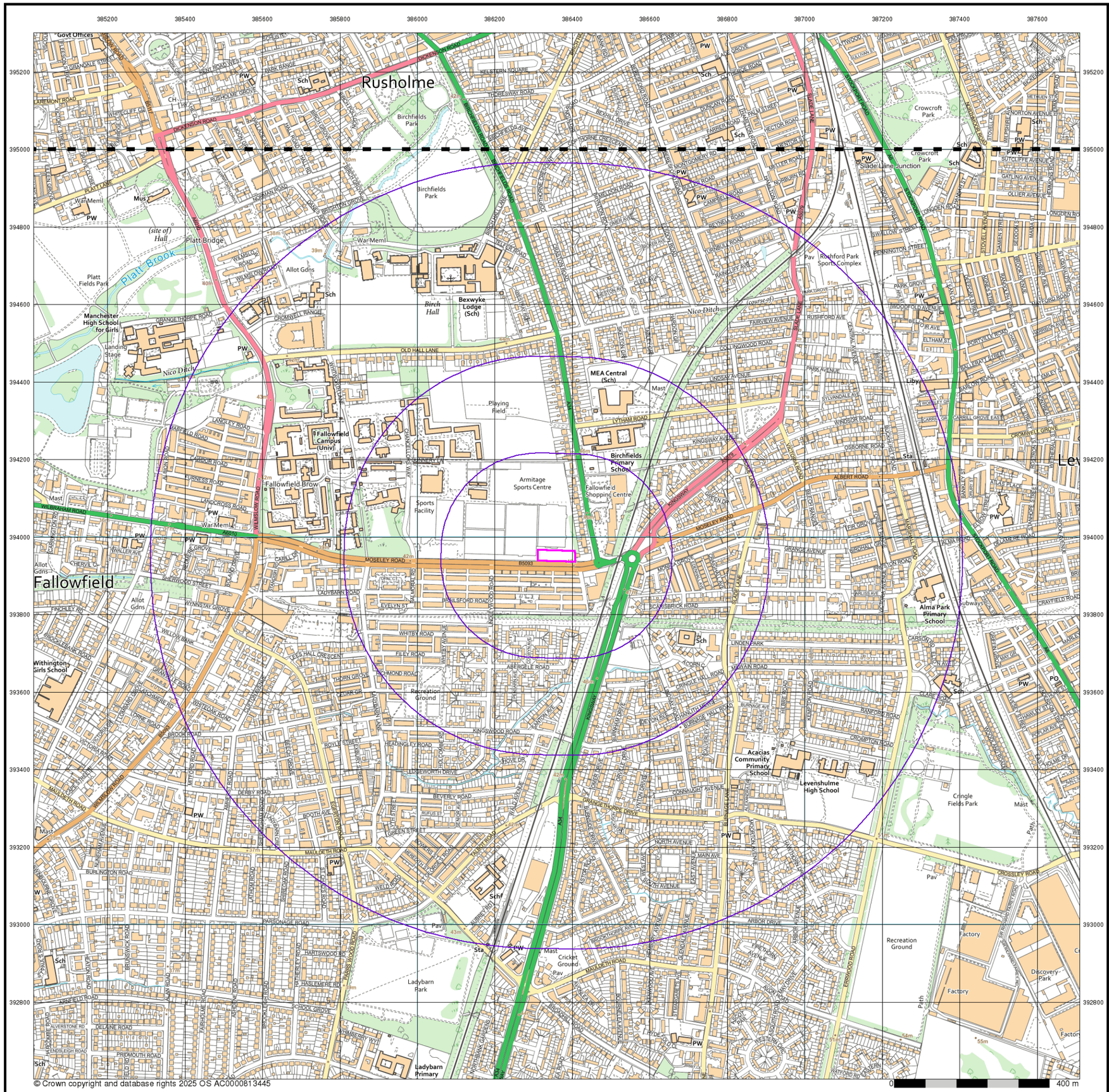
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Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	1000

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VectorMap Local

Published 2024

Source map scale - 1:10,000

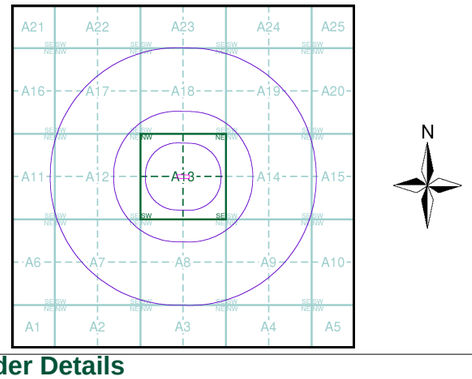
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SJ89NE 2024 Variable

SJ89SE 2024 Variable

Historical Map - Slice A



Order Details

Order Number:	375531898_1_1
Customer Ref:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	1000

Site Details

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	SSA	Shirdley Hill Sand Formation	Sand	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	CHES	Chester Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Olenekian
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Not Supplied - GUADALUPIAN
	CS	Collyhurst Sandstone Formation	Sandstone	Not Supplied - Cisuralian
	HA	Halesowen Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	ETM	Etruria Formation	Sandstone and Mudstone	Not Supplied - Westphalian
		Faults		

Curtins

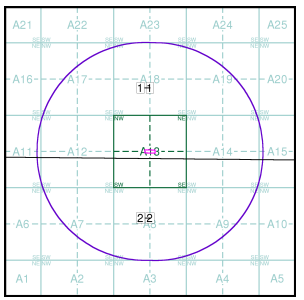
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**2**	**Map ID:**	**1**
Map Sheet No:	**098**	**Map Sheet No:**	**085**
Map Name:	**Stockport**	**Map Name:**	**Manchester**
Map Date:	**1962**	**Map Date:**	**2010**
Bedrock Geology:	**Available**	**Bedrock Geology:**	**Available**
Superficial Geology:	**Available**	**Superficial Geology:**	**Not Available**
Artificial Geology:	**Not Available**	**Artificial Geology:**	**Not Available**
Faults:	**Not Supplied**	**Faults:**	**Not Supplied**
Landslip:	**Available**	**Landslip:**	**Not Available**
Rock Segments:	**Not Supplied**	**Rock Segments:**	**Not Supplied**

Geology 1:50,000 Maps - Slice A

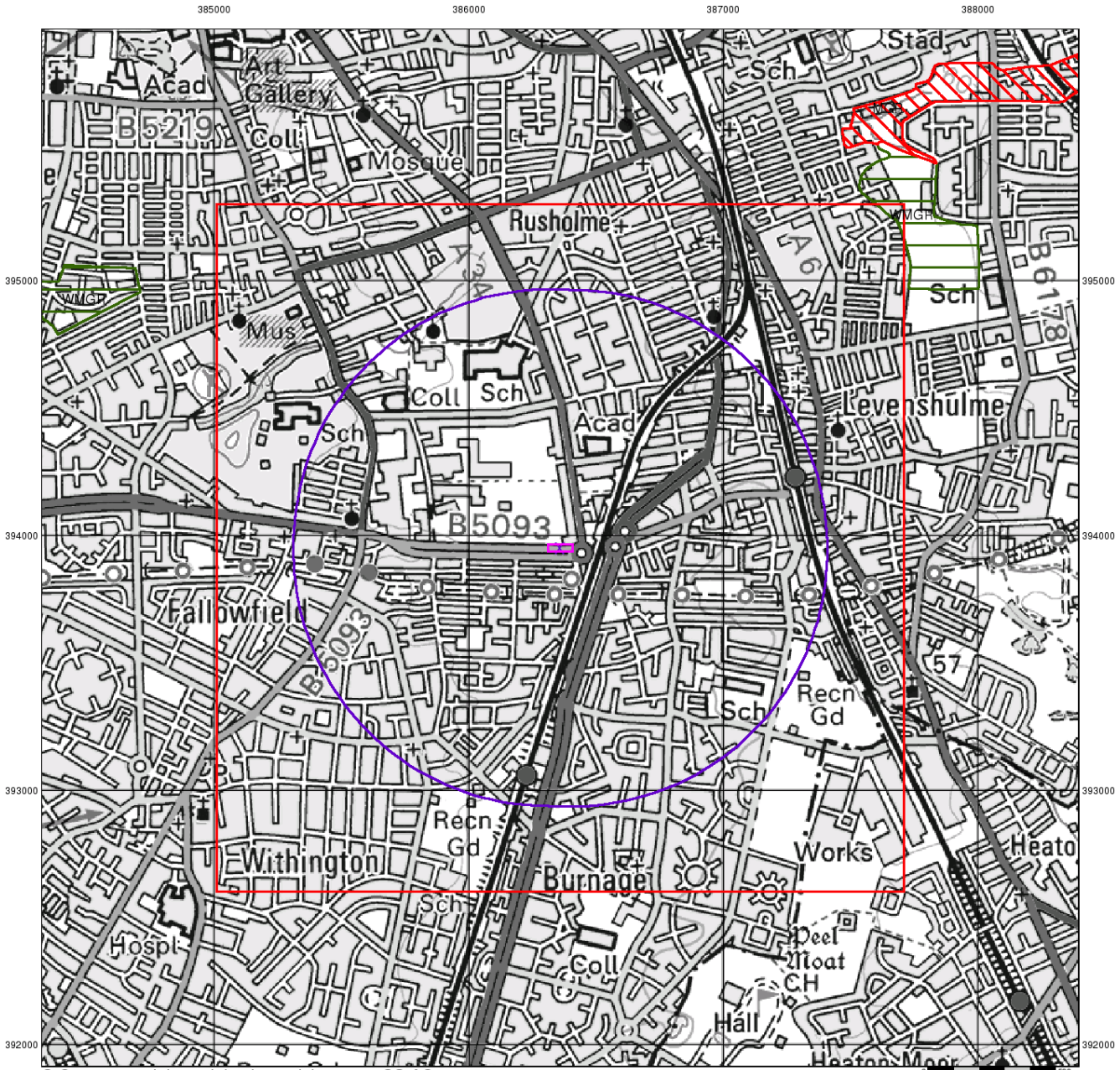


Order Details:

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Customer Reference:	EBMA22988
National Grid Reference:	386360, 393950
Slice:	A
Site Area (Ha):	0.27
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

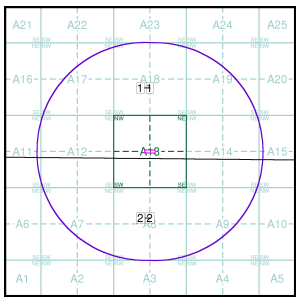
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



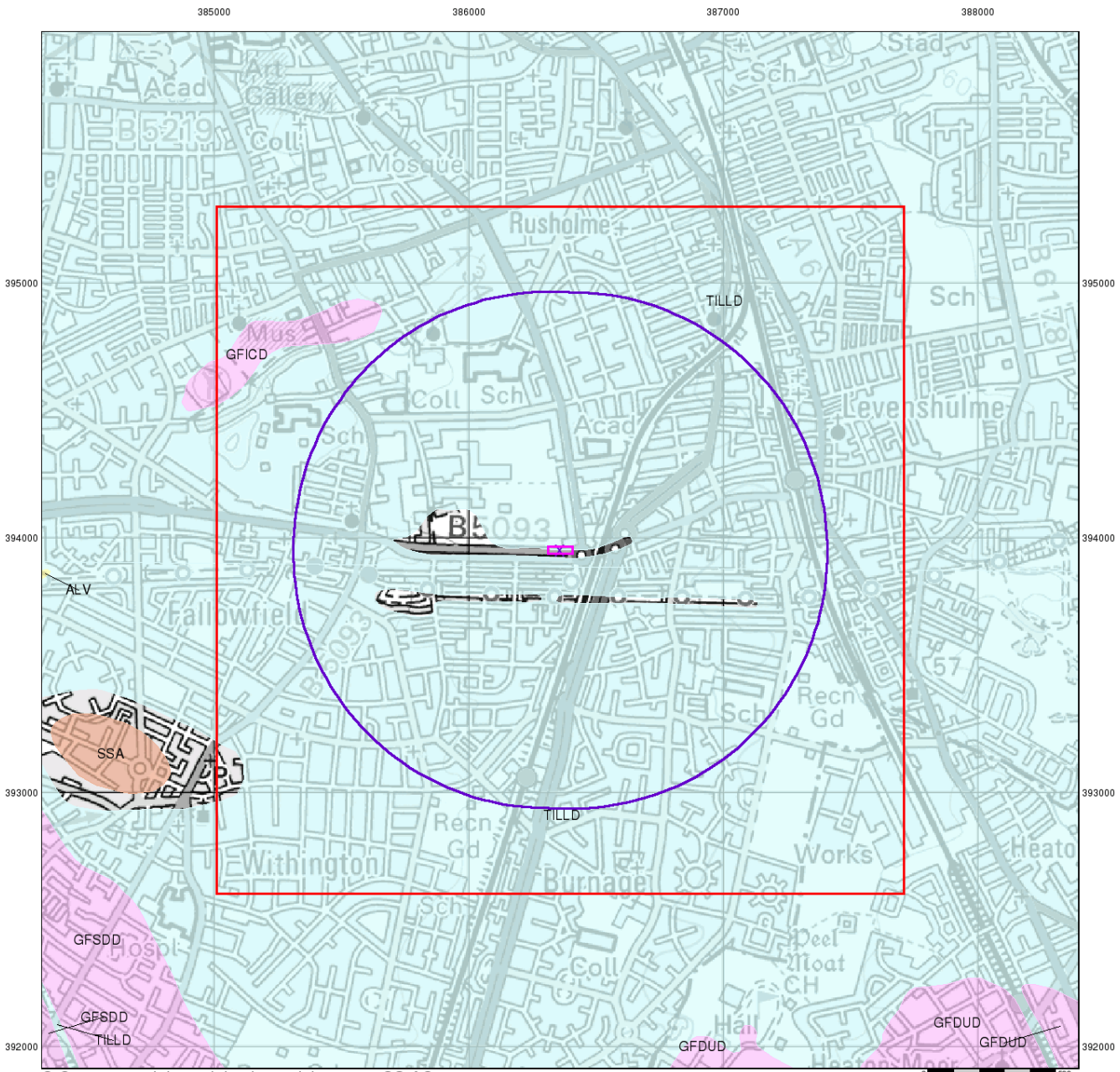
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Landmark® INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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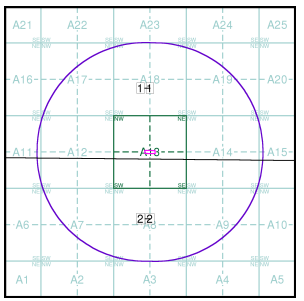
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



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Tel: 0844 844 9952
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Web: www.envirocheck.co.uk



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Bedrock and Faults

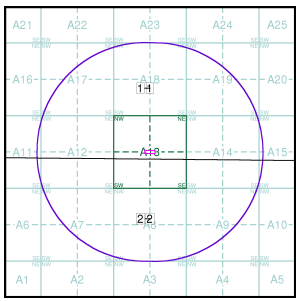
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



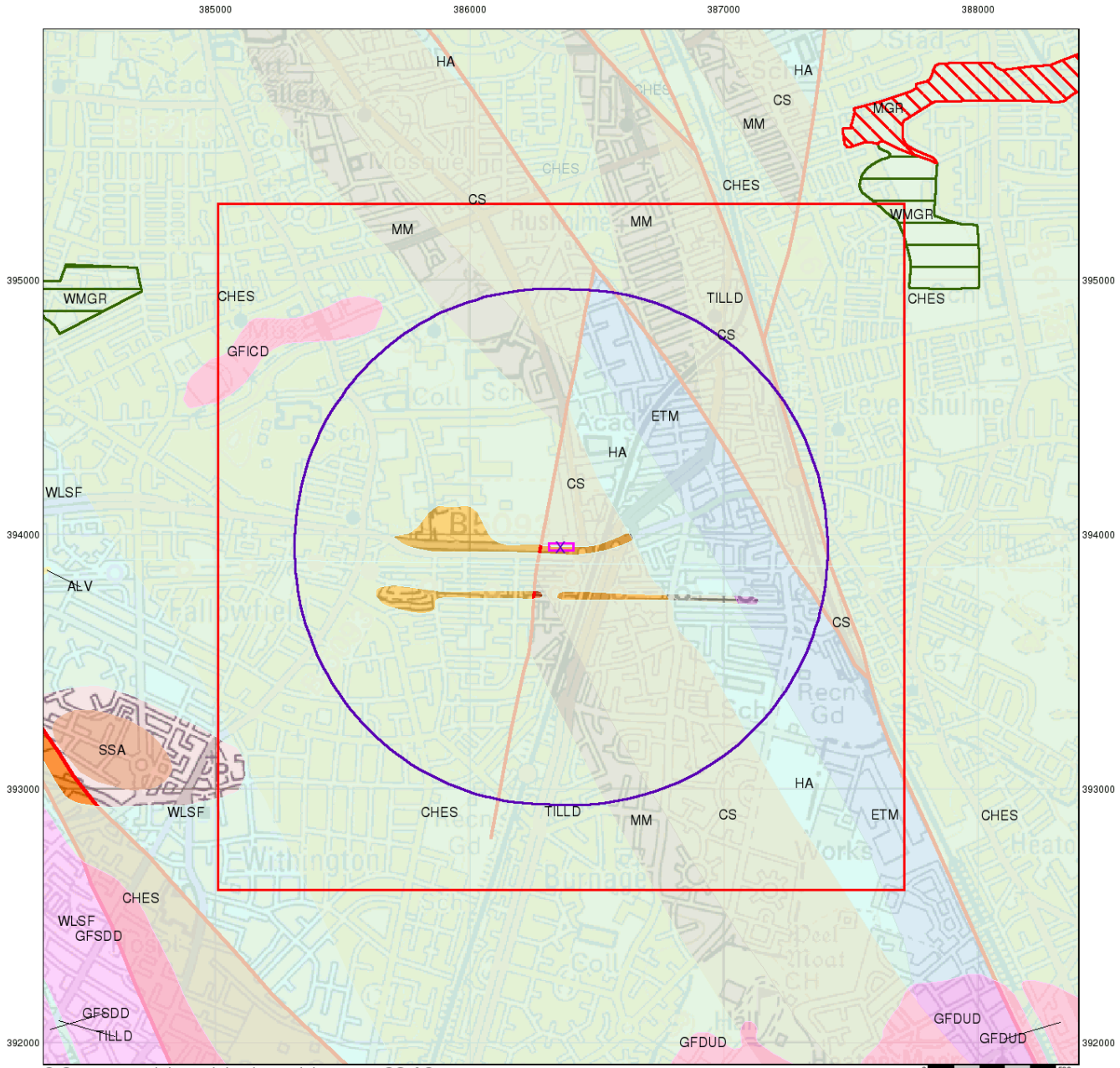
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

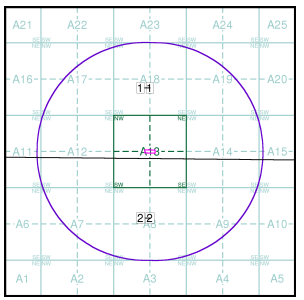
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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Appendix C – Qualitative Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem, or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway, and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of a particular event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment the consequence of the hazard has been classified as severe, medium, mild, or minor and the probability (likelihood) of the circumstances occurring classified as high likelihood or low likelihood or unlikely.

The consequences and probabilities are subsequently cross correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

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

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In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

Classification	Definition	Examples
Severe	Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to an ecosystem or organisation forming part of such ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in an ecosystem or organism forming part of such ecosystem.	Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria. Leaching of contaminants from a site to a Principal or Secondary A aquifer. Death of a species within a designated nature reserve. Lesser toxic and asphyxiate effects
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures, and services. Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater (Inc. Secondary B aquifers). Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc). Easily repairable effects of damage to buildings, structures, and services.	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discoloration of concrete.

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In accordance with DoE guidance, the following categorisation of **probability** has been developed.

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

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

Classification	Definition
Very High Risk	There is a *high probability* that *severe harm* could arise to a designated receptor from an identified hazard at the site without appropriate further action.
High Risk	*Harm* is *likely to arise* to a designated receptor from an identified hazard at the site without appropriate further action.
Moderate Risk	*It is possible* that without appropriate further action *harm could arise* to a designated receptor. It is relatively *unlikely* that any such harm would be *severe**,*** and if any harm were to occur it is *more likely* that such harm would be *relatively mild.*
Low Risk	*It is possible* that *harm could arise* to a designated receptor from an identified hazard. It is *likely* that, at worst, if any harm was realised any effects would be *mild.*
Negligible Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

The term ‘risk’ in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.

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