



## **Phase 1**

# **Environmental Assessment Report**

**30 Melling Street**

**Manchester**

**M12 4PH**

**Date: 5<sup>th</sup> February 2026**

**Version 2**

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# EnviroSolution Ltd

## Document Verification

|                     |                                              |                       |                                                                                       |
|---------------------|----------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|
| <b>Site Address</b> | 30 Melling Street, Manchester M12 4PH        |                       |                                                                                       |
| <b>Report Title</b> | Phase 1 Environmental Site Assessment Report |                       |                                                                                       |
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### Executive Summary

The preliminary environmental site assessment indicates that the site can be classified as low risk in terms of contamination and the risks to the identified receptors (e.g., human health, controlled waters, buildings) following redevelopment is considered to be low. A Phase 2 intrusive ground investigation is not deemed necessary prior to site redevelopment.

However, during site preparation works, if any unexpected visual or olfactory evidence of contamination is encountered, it is recommended that the material is removed and stockpiled on site and advice is sought from a suitably qualified person (Environmental Consultant) on how to deal with the material. Testing of the material will be necessary to identify whether it is suitable for re-use on site or if it will have to be taken off-site for disposal.

In addition, to ensure that they do not come into contact with contaminated soils and groundwater, it is recommended that workers wear appropriate personal protective equipment (PPE) and that suitable Health and Safety procedures be adopted to ensure that ingestion of contaminated soils and groundwater is avoided (e.g., by washing hands prior to eating, drinking and smoking).

## Disclaimer

This report has been prepared by EnviroSolution Ltd who has exercised such professional skill, care and diligence as may reasonably be expected of a properly qualified and competent consultant experienced in preparing reports of a similar scope.

However, to the extent that the report is based on or relies upon information contained in records, reports or other materials provided to EnviroSolution Ltd, which have not been independently produced or verified, EnviroSolution Ltd, gives no warranty, representation or assurance as to the accuracy or completeness of such information.

The scope of this report is restricted to potential ground contamination and its environmental impact; it does not cover above-ground hazards (e.g., asbestos in buildings), ecological sensitivities (e.g., bats), biological or horticultural hazards (e.g., Japanese Knotweed) or structural hazards (e.g., building stability) unless specifically referred to in the text of this report.

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# 1 Introduction

## 1.1 Background

EnviroSolution Ltd was commissioned to undertake a Phase 1 Environmental Site Assessment at a site located at Melling Street, in Manchester. This report was commissioned to provide information on the potential contamination status of the site.

## 1.2 Objectives

The objective of the preliminary environmental site assessment was:

1. To provide a summary of the environmental setting and historical land use of the site and immediate surrounding area.
2. To obtain information on the ground conditions present beneath the site.
3. To develop a conceptual site model and complete a generic quantitative risk assessment to identify any environmental risks and liabilities associated with ground conditions at the site.

## 1.3 Scope of Work

To achieve the objectives, the following scope of work was completed:

1. A desk-based study of the site comprising a review of available environmental information for the site such as geological and hydrogeological data and historical land use information.
2. A site walkover survey.
3. Assessment of potential hazards and constraints during construction and longer term.

This work has been devised to generally comply with the relevant principles and requirements of the following legalisation and guidance:

- Part IIA of the Environmental Protection Act, 1990 and Section 57 of the Environmental Act 1995;
- Contaminated Land (England) (Amendment) Regulations 2012 and Contaminated Land Statutory Guidance (DEFRA, April 2012);
- National Planning Policy Framework (Ministry of Housing, Communities and Local Government, July 2021);
- BS10175: 2011 +A2:2017 "Investigation of Potentially Contaminated Sites- Code of Practice"; and

- Environment Agency (2020) Land Contamination Risk Management Report LCRM “How to assess and manage the risks from land contamination”.

#### 1.4 Information Sources

Historical Ordnance Survey maps have been obtained from historical records, ranging from 1848 to 2025. These maps provide high quality information on historical site use.

The British Geological Survey Geoindex database has been used to provide information on geo-environmental aspects of the site and the immediate surrounding area such as geological, hydrogeological and hydrological data.

The Environment Agency website ([www.gov.uk/government/organisations/environment-agency](http://www.gov.uk/government/organisations/environment-agency)) and Magic website ([www.magic.gov.uk](http://www.magic.gov.uk)) was also used to obtain environmental information.

Industry Profiles produced by the Department of the Environment were utilised to obtain information on processes, materials and wastes associated with potential contaminative land uses near the site.

Readily available information sources have been used to produce this desk-based study. Additional information may be requested by the Local Planning Authority (e.g., local authority environmental information request).

## 2 The Site

### 2.1 Site Location

The site is located adjacent to 30 Melling Street, Manchester M12 4PH. The British National Grid Reference for the approximate site centre is GR: 387340, 395595

The site location is shown on **Figure 1** in **Appendix A**.

### 2.2 Site Description

The site description has been prepared following a walkover survey conducted by EnviroSolution Ltd on the 2<sup>nd</sup> of December 2025. The site photographs are included in **Appendix B**.

The site is irregular in shape and covers an approximate area of 380 m<sup>2</sup>. It is bounded by residential properties to the east and west, Farrant Road to the south and Melling Street to the north, which currently forms the main point of access to the site. Boundary treatments comprise mainly timber panel and occasional steel palisade fencing and temporary heras fencing.

The ground is generally flat lying at an approximate elevation of 54m aOD.

A concrete-paved driveway in poor condition provides vehicular access from Melling Street. There is a secondary gated access from the south. A wooden-built shed, with an attached canopy to the west, is located approximately within the central portion of the site.

The site has been recently cleared of overgrown vegetation and small trees. Tree trimmings and vegetation waste has been piled south of the existing shed. During the site walkover, no evidence of invasive species were noted.

Anecdotal information from the client has revealed they are aware of asbestos cladding in the shed materials. It is understood a plan is in place to remove these safely and appropriately.

Visual inspection of the site did not identify any obvious signs of contamination; however, litter was scattered across the site including plastic packaging, empty cans, fruit crates, old timber, etc.

Land use in the surrounding area is predominantly residential. No petrol filling stations were identified within 250 m of the site.

The existing site plan is shown on **Figure 2** which is included in **Appendix A**.

### 2.3 Development Proposals

A formal Planning Application has been submitted for the site to Manchester City Council. Development plans include the erection of 2 no. two-storey dwellinghouses, together with associated parking, landscaping and boundary treatment.

The proposed development plan is shown on **Figure 3** which is included in **Appendix A**.

### 2.4 Site History

The development site and surrounding area has been reviewed with reference to historical Ordnance Survey (OS) maps. The history of the site and immediate surrounding area is summarised in Table 1. Copies of the historical OS maps are included in **Appendix C**. A search buffer of 250m has been used.

**Table 1 - Historic Mapping Review**

| Date | Scale    | On Site                                                                  | Off Site                                                                                                                                                                                                                                                                                   |
|------|----------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1848 | 1:10,560 | The site is an undeveloped parcel of land within and agricultural field. | Surrounding land mostly undeveloped agricultural land.<br><br>Gore brook directly south of the site.<br><br>Industrial type buildings approximately 125m east of the site.                                                                                                                 |
| 1893 | 1:2,500  | No significant change.                                                   | Sparse cottages north of the site, and moderate residential development to the northwest.<br><br>Reservoir 150m east.<br><br>Rope, twine and tarpaulin works 150m northeast.<br><br>Dye works 125m east.<br><br>Iron works 130m southeast.<br><br>Clay pit and brick works 120m southwest. |

| Date      | Scale    | On Site                                           | Off Site                                                                                                                                                                                                                                                                       |
|-----------|----------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1908      | 1:2,500  | No significant change.                            | Significant residential development northwest and south of the site.<br><br>Tanks 190m east.<br><br>Pit 175m southeast.<br><br>Brick works 200m southeast.<br><br>Tramway line 175m northwest.                                                                                 |
| 1933      | 1:2,500  | No significant change.                            | Brook culverted and no longer identified on the map.<br><br>Allotment gardens 50m northeast.                                                                                                                                                                                   |
| 1951      | 1:1,250  | No significant change.                            | Significant residential development north and west of the site.<br><br>Electricity substation 180m north.<br><br>Engineering works 130m northeast.<br><br>Refuse heap 190m east.<br><br>Tramway line 175m southeast.<br><br>Tank 240m southeast.<br><br>Timber yard 125m west. |
| 1968-1972 | 1:1,250  | Existing shed built onsite.                       | Engineering works relabelled as depot.<br><br>Refuse heap 175m northeast.<br><br>Timber yard relabelled as depot.                                                                                                                                                              |
| 1981-1985 | 1:10,000 | No significant change.                            | No significant change.                                                                                                                                                                                                                                                         |
| 1992      | 1:1,250  | Second small shed built adjacent to previous one. | Brickworks to the southeast no longer identified on the map.                                                                                                                                                                                                                   |
| 2006      | 1:10,000 | No significant change.                            | No significant change.                                                                                                                                                                                                                                                         |
| 2025      | 1:10,000 | No significant change.                            | No significant change.                                                                                                                                                                                                                                                         |

### 3 Environmental Setting

#### 3.1 Geology

Geological maps of the area indicate that the site is underlain by superficial diamicton (till) deposits, sedimented during the Late Pleistocene. Diamicton is a type of sediment that is poorly sorted and contains a wide range of clast sizes.

The underlying bedrock is the Collyhurst Sandstone Formation which is of Permian age. It generally consists of soft red sandstone with abundant beds of rounded sand grains alternating with beds of fine-grained angular sand.

A geological fault intersects the south-easternmost corner of the site.

A borehole (Ref: SJ89NE1842) located 115m west of the site was obtained from BGS online records. The borehole penetrates to 11.65m bgl. and shows 3.6m of concrete slab overlying Made Ground, overlying a succession of sandy and silty clay with common stone and coal inclusions. A thin sand and gravel level was recorded at 5.25m bgl.

A copy of the geological maps is included in **Appendix D**. A copy of the BGS borehole records is included in **Appendix E**.

#### 3.2 Radon

The site lies within the lowest band of radon potential where it is estimated that less than 1% of the properties are above the action level (low probability). Radon protective measures are not deemed necessary for the development.

#### 3.3 Coal Mining Activity

The site falls within a coal mining reporting area described as having minable coal deposits but does not lie within a 'Development High Risk Area' for coal mining, as defined by the Mining Remediation Authority. As such, it is considered that there are no coal mining related hazards which could affect the site.

#### 3.4 Hydrogeology

The superficial till deposits are designated as a Secondary (Undifferentiated) Aquifer, defined as; cases where it has not been possible to attribute either category A or B to a rock type. In most cases this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

The underlying Collyhurst Sandstone Formation bedrock is designated as a Principal Aquifer, defined as; layers of rock or drift deposits that have high intergranular and/or fracture

permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.

There are no records of groundwater abstraction licences located within a 1km radius of the site and the site does not lie within a Source Protection Zone.

A copy of the hydrogeological maps is included in **Appendix F**.

### 3.5 Hydrology

There are no significant surface water features (rivers, lakes and reservoirs) located within a 1km radius of the site.

There are no minor surface water features located within a 250m radius of the site.

### 3.6 Flood Risk

The site lies within a Flood Zone 1 (low probability), land assessed as having less than a 1 in 1,000 annual probability of river flooding (0.01%) in any year (low risk). The completion of a detailed Flood Risk Assessment is not deemed necessary for this site.

A copy of the flood risk map is included in **Appendix G**.

### 3.7 Waste Management Facilities

There are 5 no. records of historic landfill sites located within a 1km radius of the site. The landfill information is summarised in Table 2 below:

**Table 2 - Historic Landfill Summary**

| Landfill Site         | Operation Dates | Waste Type                                        | Distance from Site |
|-----------------------|-----------------|---------------------------------------------------|--------------------|
| Pink Bank Lane        | 1981            | Inert, commercial household                       | 135m SE            |
| Mount Road Plant Site | No information  | Household                                         | 345m E             |
| Matthews Lane         | 1969-1978       | Inert, industrial, commercial, household, special | 465m SE            |

A copy of the historic landfill map is included in **Appendix H**.

There are no records of currently authorised landfill sites located within a 1km radius of the site.

There is a single record of a site operating under an environmental permit for waste operations within a 1km radius of the site. The permit is held by Urosh Ventaj 255m east of the site for a metal Recycling Site (vehicle dismantler).

### 3.8 Environmental Permits, Incidents and Registers

There are 3 no. records of sites located within a 1km radius of the development site operating under an environmental permit for discharges to water and groundwater. The nearest is held by United Utilities Water Limited 92m southwest of the site.

There are no records of pollution incidents recorded by the Environment Agency having occurred within a 1km radius of the site.

There are no records of sites located within a 1km radius of the development site operating under an environmental installation permit.

### 3.9 Designated Environmentally Sensitive Sites

There are no records of designated environmentally sensitive sites located within a 1km radius of the site.

## 4 Preliminary Conceptual Site Model

### 4.1 Introduction

In order to assess the environmental risks present, a preliminary conceptual model has been developed for the site. This model has been developed using best practice guidelines in conjunction with the current assessment framework taking into account the development proposals. This preliminary conceptual model is based on the gathered desk-based information (e.g., historical OS data and data sourced from the EA, Geoindex and Magic databases).

The conceptual site model is a representation of the hypothesised relationships between sources, pathways and receptors which allows the identification of potential pollutant linkages and whether these linkages have the potential to comprise significant harm and/or pollution of controlled waters in relation to the site. This model comprises three elements:

Source – the key pollutant hazards associated with the site

Receptor – the key targets at risk from the sources

Pathway – the means by which the contaminant can cause harm to the receptor

If all three elements are present, then a potential pollutant linkage exists, and this may require further assessment.

### 4.2 Potential Contamination Sources

The site has remained mostly undeveloped until today. The existing wooden shed was built between the 1060s and 1980s. No current or historical onsite sources of contamination have been identified.

Several off-site land uses have been identified in the surrounding area that have the potential to contaminate the shallow soils at the site. The land uses and their associated contaminants are summarised in Table 3 below:

**Table 3 - Off-Site Land Use Summary**

| Land Use                        | Potential Contaminants                                                                  |
|---------------------------------|-----------------------------------------------------------------------------------------|
| Industrial type buildings       | Heavy metals, hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), asbestos, solvents |
| Rope, twine and tarpaulin works | Heavy metals, polycyclic aromatic hydrocarbons (PAHs), asbestos                         |

|                          |                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Dye works                | Heavy metals, inorganic compounds, sizing agents, organic solvents, other organic compounds, polychlorinated biphenyls (PCBs), dyes, asbestos |
| Iron works               | Heavy metals, inorganic compounds, organic compounds, polychlorinated biphenyls (PCBs), asbestos                                              |
| Clay pit and brick works | Heavy metals, polycyclic aromatic hydrocarbons (PAHs), asbestos, ground gas (i.e., methane and carbon dioxide)                                |
| Tanks                    | Hydrocarbons                                                                                                                                  |
| Pit (infilled)           | Ground gas (i.e., methane and carbon dioxide)                                                                                                 |
| Tramway line             | Hydrocarbons, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), heavy metals      |
| Allotment gardens        | Heavy metals, polycyclic aromatic hydrocarbons (PAHs), nitrates                                                                               |
| Electricity substation   | Polychlorinated biphenyls (PCBs)                                                                                                              |
| Engineering works        | Heavy metals, hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), asbestos, solvents                                                       |
| Refuse heap              | Heavy metals, ground gas (i.e., methane and carbon dioxide)                                                                                   |
| Timber yard              | Heavy metals, inorganic compounds, acids/alkalis, asbestos, organic solvents, polychlorinated biphenyls (PCBs)                                |
| Depot                    | Heavy metals, hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), asbestos, solvents                                                       |

The above off-site land uses and the historic landfill sites can be discounted as feasible sources of contamination due to the distance from site ( $\geq 50\text{m}$ ) and the impermeable nature of the geology beneath the site which would sever any migration pathway.

#### 4.3 Receptors

The potential receptors considered to be at risk from soil and groundwater contamination associated with the site are summarised in Table 4 below:

**Table 4 - Receptor Description**

| Receptor                         | Details                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Human (On Site)                  | <ul style="list-style-type: none"> <li>- Construction workers</li> <li>- Future site users</li> <li>- Site visitors</li> </ul> |
| Human (Off Site)                 | <ul style="list-style-type: none"> <li>- Adjacent site users</li> </ul>                                                        |
| Controlled Waters                | <ul style="list-style-type: none"> <li>- Secondary (undifferentiated) Aquifer</li> <li>- Principal Aquifer</li> </ul>          |
| Building/ construction materials | <ul style="list-style-type: none"> <li>- Foundations</li> <li>- Buried services</li> </ul>                                     |
| Environmental Receptors          | <ul style="list-style-type: none"> <li>- N/A</li> </ul>                                                                        |

#### 4.4 Pathways

The potential exposure pathways linking contamination with the receptors identified above are summarised in Table 5 below:

**Table 5 - Exposure Pathways Summary**

| Receptor          | Details of Exposure Pathway                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Human (on-site)   | <ul style="list-style-type: none"> <li>- Direct ingestion of contaminated soil/groundwater</li> <li>- Dermal contact with soil/groundwater</li> <li>- Inhalation of gases and vapours</li> </ul>                                       |
| Human (off-site)  | <ul style="list-style-type: none"> <li>- Inhalation of fibres and particulates</li> <li>- Inhalation of migrating gases and vapours</li> </ul>                                                                                         |
| Controlled waters | <ul style="list-style-type: none"> <li>- Vertical and lateral migration of dissolved phase contaminants via preferential pathways to groundwater aquifers</li> <li>- Direct surface water run-off to surface water features</li> </ul> |

| Receptor              | Details of Exposure Pathway                                                     |
|-----------------------|---------------------------------------------------------------------------------|
| Building/construction | - Buried materials/services - Contact with contaminated soil and/or groundwater |

## 4.5 Potential Pollution Linkages

### 4.5.1 Human Health

Development plans include the erection of 2 no. two-storey dwellinghouses, together with associated parking, landscaping and boundary treatment. This is considered to be a sensitive end use.

The presence of buildings and hardstanding would eliminate the risk of exposure, via the dermal contact and ingestion pathways to future site users to any ground contamination that may remain following development.

There could be a potential risk of exposure to any ground contamination that remains following redevelopment in any areas of soft landscaping (i.e., gardens), to future site users, via all possible exposure pathways including the potential consumption of homegrown produce. However, onsite contamination is not anticipated.

Any ground gases (i.e., methane and carbon dioxide) and vapours that are present within the soils beneath the site could potentially ingress into future buildings through preferential pathways (e.g., service entry points). Therefore, there could be a risk of exposure via inhalation to future site users. However, ground gas or vapours are not anticipated onsite.

There is the potential for construction workers and adjacent land users to be exposed to soil and groundwater contamination during site redevelopment. However, the use of appropriate PPE and the adoption of suitable Health and Safety methods will help to reduce the risks posed to human health during this work.

### 4.5.2 Controlled Waters

The site is immediately underlain by superficial till deposits which is designated as a Secondary (Undifferentiated) Aquifer. It is considered that the impermeable nature of the superficial deposits would prevent the migration of any potential contaminants to the underlying groundwater aquifer. Additionally, the site does not lie within a Source Protection Zone and there are no groundwater abstraction licences held within a 1km radius of the site.

There are no surface water features within a 250m radius of the site.

Overall, the risk to controlled waters is deemed to be negligible.

#### 4.5.3 Building/Construction Materials/Buried Services

The presence of any soil and groundwater contaminants beneath the site could potentially impact on construction materials for future new developments, such as below ground structures and services. Concrete foundations are particularly sensitive to aggressive ground conditions, i.e., sulphate attack.

If ground gases and vapour are present in the soil beneath the site, then there would be the potential risk of ingress into new properties which could present a risk of explosion.

#### 4.6 Environmental Designations

No sensitive environmental designations have been identified.

#### 4.7 Preliminary Hazard Assessment

A preliminary hazard assessment is presented in Table 6. The preliminary hazard assessment is a qualitative assessment of the risks posed by each potential pollutant linkage described above and is used to identify the requirement for additional work (e.g., intrusive ground investigation).

**Table 6 - Preliminary Hazard Assessment**

| Source 1                          | Pathway                                                                                                                              | Receptor                                                                                 | Likelihood | Effect | Risk | Assessment                                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------|--------|------|---------------------------------------------------------------------------------------------------------------------------------|
| Contaminated soil                 | Ingestion (via soil dust), inhalation (via soil dust and vapours),<br>ingestion through dirty hands, dermal contact with soil/water. | Future site users<br>Adjacent site users<br>Construction workers                         | 1          | 3      | Low  | Contamination source potential not identified.                                                                                  |
| Contaminated soil / groundwater   | Direct contact                                                                                                                       | Buildings/ services                                                                      | 1          | 3      | Low  | Contamination source potential not identified.                                                                                  |
| Contaminated groundwater          | Downward or lateral migration<br>Surface water run-off                                                                               | Secondary (Undifferentiated) Aquifer<br>Principal Aquifer                                | 1          | 3      | Low  | Contamination source potential not identified.                                                                                  |
| Ground gas / vapours<br><br>Radon | Inhalation, ingress into buildings                                                                                                   | Buildings / services<br>Future site users<br>Adjacent site users<br>Construction workers | 1          | 4      | Low  | No significant ground gas / vapours source potential identified.<br><br>Site located within the lowest band of radon potential. |

Using Risk Matrix (Table 7) Degree of Risk (R) = Likelihood (L) x Effect (E)

**Table 7 - Risk Matrix, Degree of Risk (R) = Likelihood (L) x Effect (E)**

| Likelihood | Description    | Probability                                                    | Effect (E) | Description |
|------------|----------------|----------------------------------------------------------------|------------|-------------|
| 5          | Almost certain | >70%                                                           |            |             |
| 4          | Probable       | 50-70%                                                         | 4          | Severe      |
| 3          | Likely         | 30-50%                                                         | 3          | Medium      |
| 2          | Unlikely       | 10-30%                                                         | 2          | Mild        |
| 1          | Negligible     | <10%                                                           | 1          | Minor       |
| Risk (R)   | Risk Level     | Action                                                         |            |             |
| 1-5        | Low            | None required                                                  |            |             |
| 6-10       | Moderate       | Further assessment via Phase 2 intrusive ground investigation. |            |             |
| >10        | High           | Further assessment via Phase 2 intrusive ground investigation. |            |             |

## 5 Conclusions and Recommendations

The preliminary environmental site assessment indicates that the site can be classified as low risk in terms of contamination and the risks to the identified receptors (e.g., human health, controlled waters, buildings) following redevelopment is considered to be low. A Phase 2 intrusive ground investigation is not deemed necessary prior to site redevelopment.

However, during site preparation works, if any unexpected visual or olfactory evidence of contamination is encountered, it is recommended that the material is removed and stockpiled on site and advice is sought from a suitably qualified person (Environmental Consultant) on how to deal with the material. Testing of the material will be necessary to identify whether it is suitable for re-use on site or if it will have to be taken off-site for disposal.

In addition, to ensure that they do not come into contact with contaminated soils and groundwater, it is recommended that workers wear appropriate personal protective equipment (PPE) and that suitable Health and Safety procedures be adopted to ensure that ingestion of contaminated soils and groundwater is avoided (e.g., by washing hands prior to eating, drinking and smoking).

## APPENDICES

## Appendix A – Site Location and Site Plan





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Existing Site Plan

Figure 2



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Proposed Development Plan

Figure 3

## Appendix B – Site Photographs



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**Gated entrance along Melling street**



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Access driveway looking north



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View of site looking north



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**Eastern and southern boundaries, litter and garden waste**



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**Gated access on Farrant Road**



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Garden waste, litter and shed



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Canopy attached to the shed

## Appendix C - Historical Maps

# Historical Mapping Legends

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

|  |                                   |  |                                  |  |                                               |
|--|-----------------------------------|--|----------------------------------|--|-----------------------------------------------|
|  | Quarry                            |  | Gravel Pit                       |  | Sand Pit                                      |
|  | Clay Pit                          |  | Shingle                          |  | Refuse Heap                                   |
|  | Sloping Masonry                   |  | Flat Rock                        |  |                                               |
|  | Marsh                             |  | Reeds                            |  | Osiers                                        |
|  | Rough Pasture                     |  | Furze                            |  | Wood                                          |
|  | Mixed Wood                        |  | Brushwood                        |  | Orchard                                       |
|  | Fir                               |  | Ford                             |  | Stepping Stones                               |
|  | Ferry                             |  | Waterfall                        |  | Lock                                          |
|  | Trig. Station                     |  | Altitude at Trig. Station        |  |                                               |
|  | B.M. 325.9                        |  | Bench Mark                       |  | Surface Level                                 |
|  | Arrow denotes flow of water       |  | Antiquities (site of)            |  |                                               |
|  | Cutting                           |  | Embankment                       |  |                                               |
|  | Railway crossing Road             |  | Level Crossing                   |  | Road crossing Railway                         |
|  | Railway crossing River or Canal   |  | Road over single stream          |  | Road over River or Canal                      |
|  | County Boundary (Geographical)    |  | County & Civil Parish Boundary   |  | Administrative County & Civil Parish Boundary |
|  | County Borough Boundary (England) |  | County Burgh Boundary (Scotland) |  |                                               |
|  | 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                  |  | S.L. 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

|  |                                                                                         |  |                                      |
|--|-----------------------------------------------------------------------------------------|--|--------------------------------------|
|  | Inactive Quarry, Chalk Pit or Clay Pit                                                  |  | Active Quarry, Chalk Pit or Clay Pit |
|  | Rock                                                                                    |  | Boulders                             |
|  | Cliff                                                                                   |  | Slopes                               |
|  | Roofed Building                                                                         |  | Glazed Roof Building                 |
|  | Sloping Masonry                                                                         |  | Archway                              |
|  | Non-Coniferous Tree (surveyed)                                                          |  | Coniferous Tree (surveyed)           |
|  | Non-Coniferous Trees (not surveyed)                                                     |  | Coniferous Trees (not surveyed)      |
|  | Orchard Tree                                                                            |  | Scrub                                |
|  | Coppice, Osier                                                                          |  | Reeds                                |
|  | Rough Grassland                                                                         |  | Heath                                |
|  | Direction of water flow                                                                 |  | Bench Mark                           |
|  | Cave Entrance                                                                           |  | Triangulation Station                |
|  | Electricity Transmission Line                                                           |  | Electricity Pylon                    |
|  | County Boundary (Geographical)                                                          |  | County & Civil Parish Boundary       |
|  | County Boundary                                                                         |  | Boundary post/stone                  |
|  | Boundary mereing symbol (note: these always appear in opposed pairs or groups of three) |  |                                      |
|  | 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                              |
|  | EI 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                      |

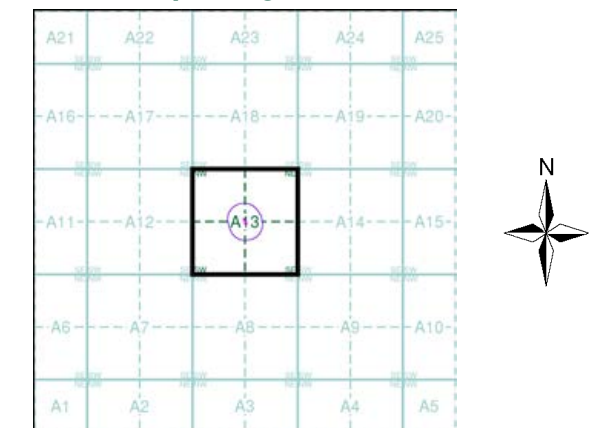
## Large-Scale National Grid Data 1:2,500 and 1:1,250

|  |                                                                                         |  |                                       |
|--|-----------------------------------------------------------------------------------------|--|---------------------------------------|
|  | Cliff                                                                                   |  | Slopes                                |
|  | Rock                                                                                    |  | Rock (scattered)                      |
|  | Boulders                                                                                |  | Boulders (scattered)                  |
|  | Positioned Boulder                                                                      |  | Scree                                 |
|  | Non-Coniferous Tree (surveyed)                                                          |  | Coniferous Tree (surveyed)            |
|  | Non-Coniferous Trees (not surveyed)                                                     |  | Coniferous Trees (not surveyed)       |
|  | Orchard Tree                                                                            |  | Scrub                                 |
|  | Coppice, Osier                                                                          |  | Reeds                                 |
|  | Rough Grassland                                                                         |  | Heath                                 |
|  | Direction of water flow                                                                 |  | Triangulation Station                 |
|  | Electricity Transmission Line                                                           |  | Electricity Pylon                     |
|  | Bench Mark                                                                              |  | Buildings with Building Seed          |
|  | Roofed Building                                                                         |  | Glazed Roof Building                  |
|  | Civil parish/community boundary                                                         |  |                                       |
|  | District boundary                                                                       |  |                                       |
|  | County boundary                                                                         |  |                                       |
|  | Boundary post/stone                                                                     |  |                                       |
|  | Boundary mereing symbol (note: these always appear in opposed pairs or groups of three) |  |                                       |
|  | Bks Barracks                                                                            |  | P Pillar, Pole or Post                |
|  | Bty Battery                                                                             |  | PO Post Office                        |
|  | Cem Cemetery                                                                            |  | PC Public Convenience                 |
|  | Chy Chimney                                                                             |  | Pp Pump                               |
|  | Cis Cistern                                                                             |  | Ppg Sta Pumping Station               |
|  | Disntd Rly Dismantled Railway                                                           |  | PW Place of Worship                   |
|  | El Gen Sta Electricity Generating Station                                               |  | Sewage Ppg Sta Sewage Pumping Station |
|  | EI 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 Governor                                                                        |  | 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                                |

## Historical Mapping & Photography included:

| Mapping Type                   | Scale   | Date        | Pg |
|--------------------------------|---------|-------------|----|
| Lancashire And Furness         | 1:2,500 | 1893        | 2  |
| Lancashire And Furness         | 1:2,500 | 1908        | 3  |
| Lancashire And Furness         | 1:2,500 | 1933        | 4  |
| Ordnance Survey Plan           | 1:1,250 | 1951        | 5  |
| Additional SIMs                | 1:1,250 | 1951 - 1984 | 6  |
| Ordnance Survey Plan           | 1:2,500 | 1952        | 7  |
| Ordnance Survey Plan           | 1:1,250 | 1953 - 1983 | 8  |
| Additional SIMs                | 1:1,250 | 1979 - 1991 | 9  |
| Additional SIMs                | 1:1,250 | 1980 - 1983 | 10 |
| Ordnance Survey Plan           | 1:1,250 | 1984 - 1989 | 11 |
| Large-Scale National Grid Data | 1:1,250 | 1992        | 12 |
| Large-Scale National Grid Data | 1:1,250 | 1993 - 1995 | 13 |
| Large-Scale National Grid Data | 1:1,250 | 1994        | 14 |
| Large-Scale National Grid Data | 1:1,250 | 1995        | 15 |
| Large-Scale National Grid Data | 1:1,250 | 1996        | 16 |
| Historical Aerial Photography  | 1:2,500 | 2000        | 17 |

## Historical Map - Segment A13

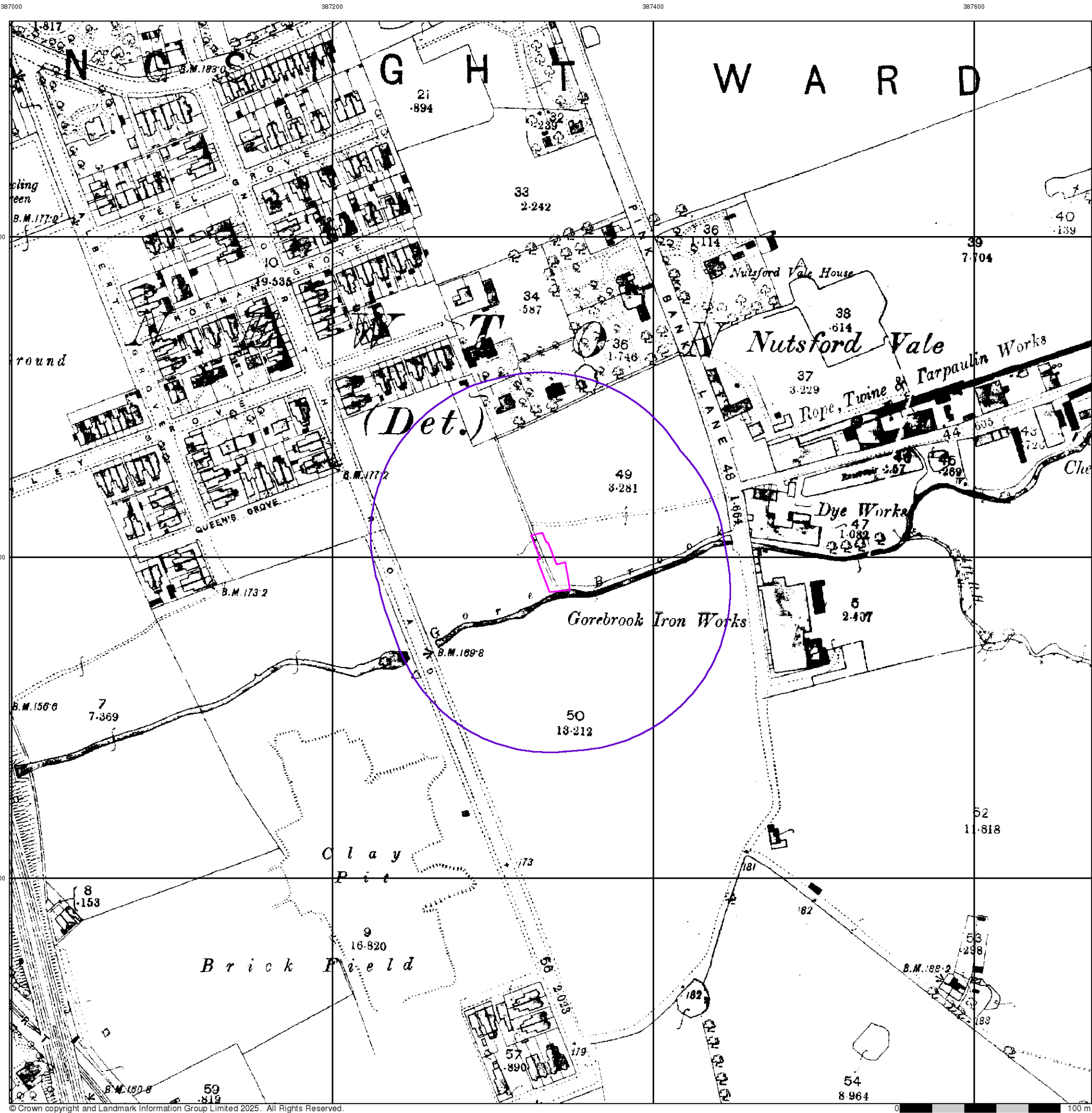


## Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

## Site Details

30, Melling Street, Manchester, M12 4PH



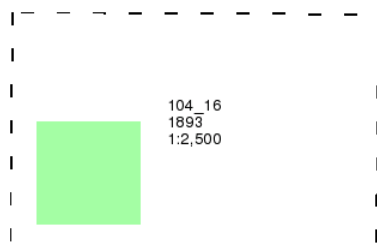
## Lancashire And Furness

Published 1893

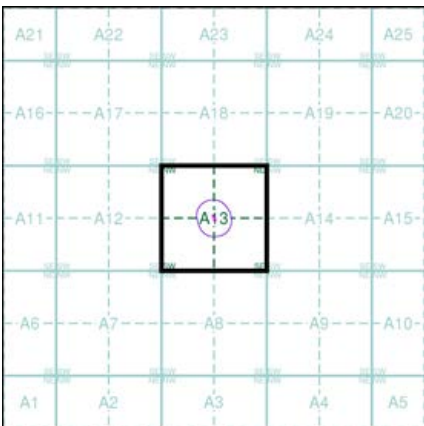
Source map scale - 1:2,500

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



### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

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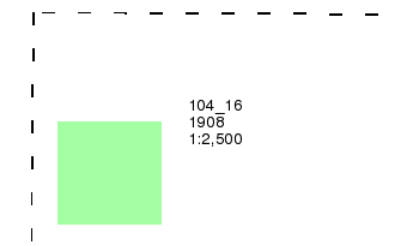
## Lancashire And Furness

Published 1908

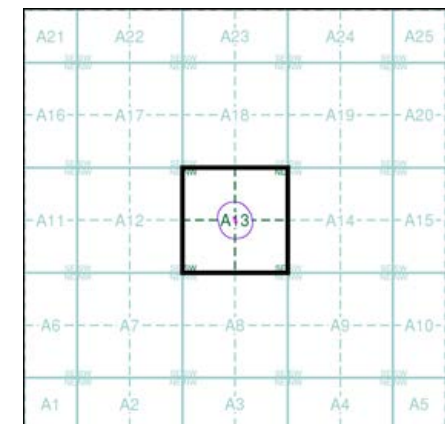
Source map scale - 1:2,500

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: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

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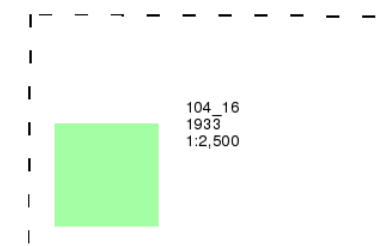
## Lancashire And Furness

Published 1933

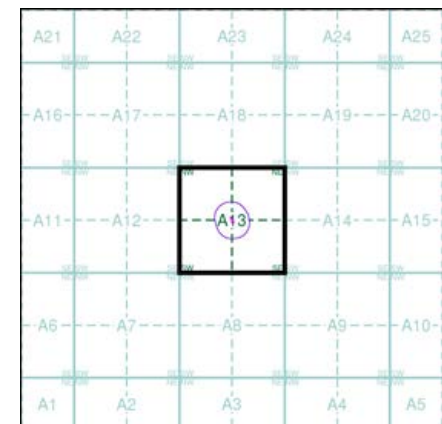
Source map scale - 1:2,500

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

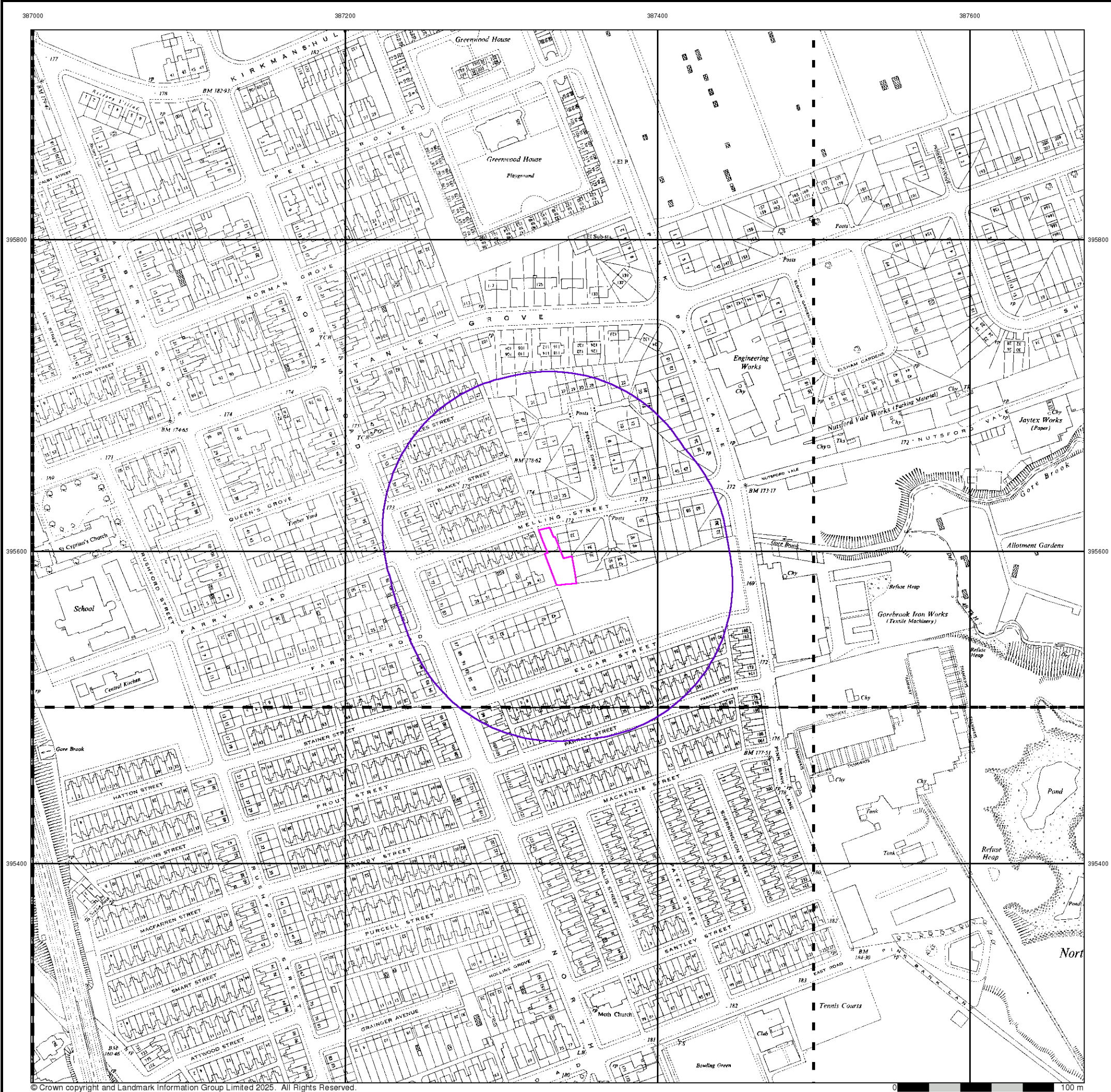
Order Number: 391217610\_1\_1  
 Customer Ref: ES011225  
 National Grid Reference: 387340, 395600  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

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Ordnance Survey Plan

Published 1951

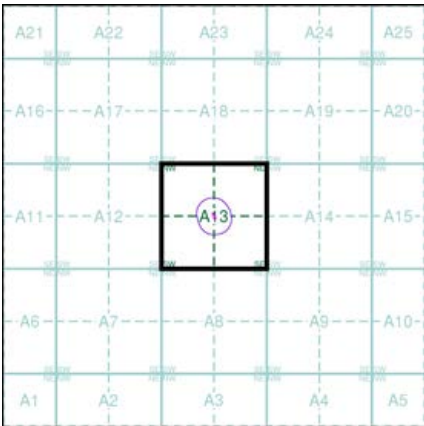
Source map scale - 1:1,250

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)

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| SJ8695NE<br>1951<br>1:1,250 | SJ8795NW<br>1951<br>1:1,250 | SJ8795NE<br>1951<br>1:1,250 |
| SJ8695SE<br>1951<br>1:1,250 | SJ8795SW<br>1951<br>1:1,250 | SJ8795SE<br>1951<br>1:1,250 |

Historical Map - Segment A13

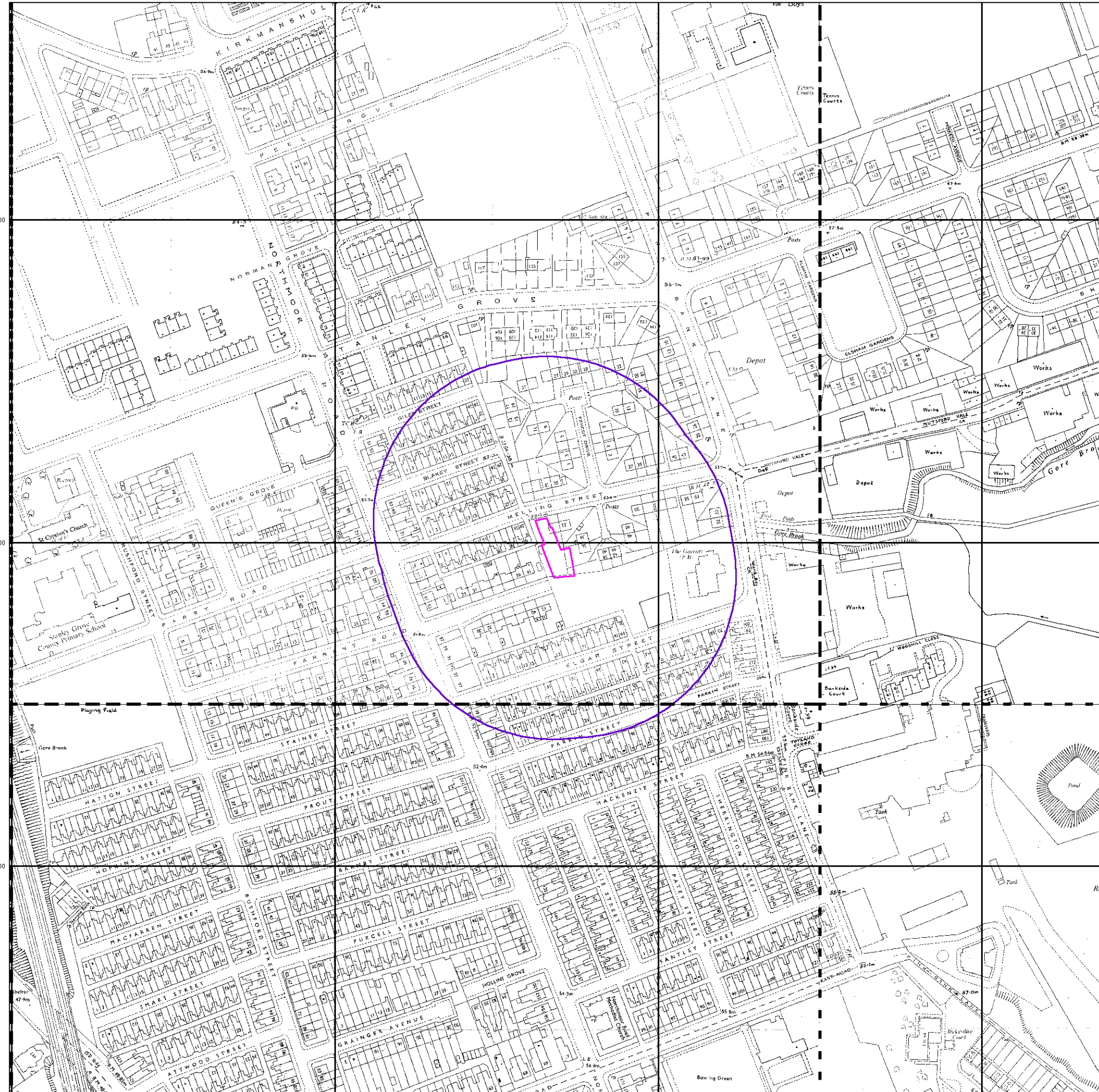


Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

Site Details

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## Additional SIMs

Published 1951 - 1984

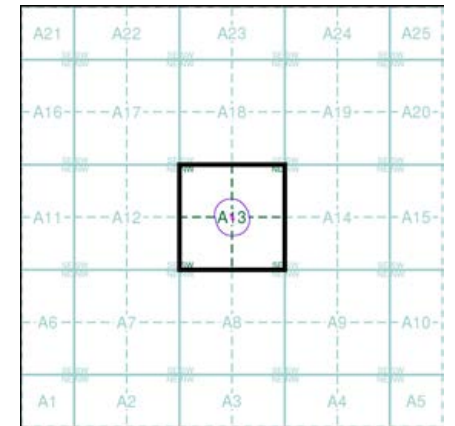
Source map scale - 1:1,250

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)

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| SJ8695NE<br>1951<br>1:1,250 | SJ8795NW<br>1980<br>1:1,250 | SJ8795NE<br>1984<br>1:1,250 |
| SJ8695SE<br>1979<br>1:1,250 | SJ8795SW<br>1984<br>1:1,250 | SJ8795SE<br>1978<br>1:1,250 |

## Historical Map - Segment A13

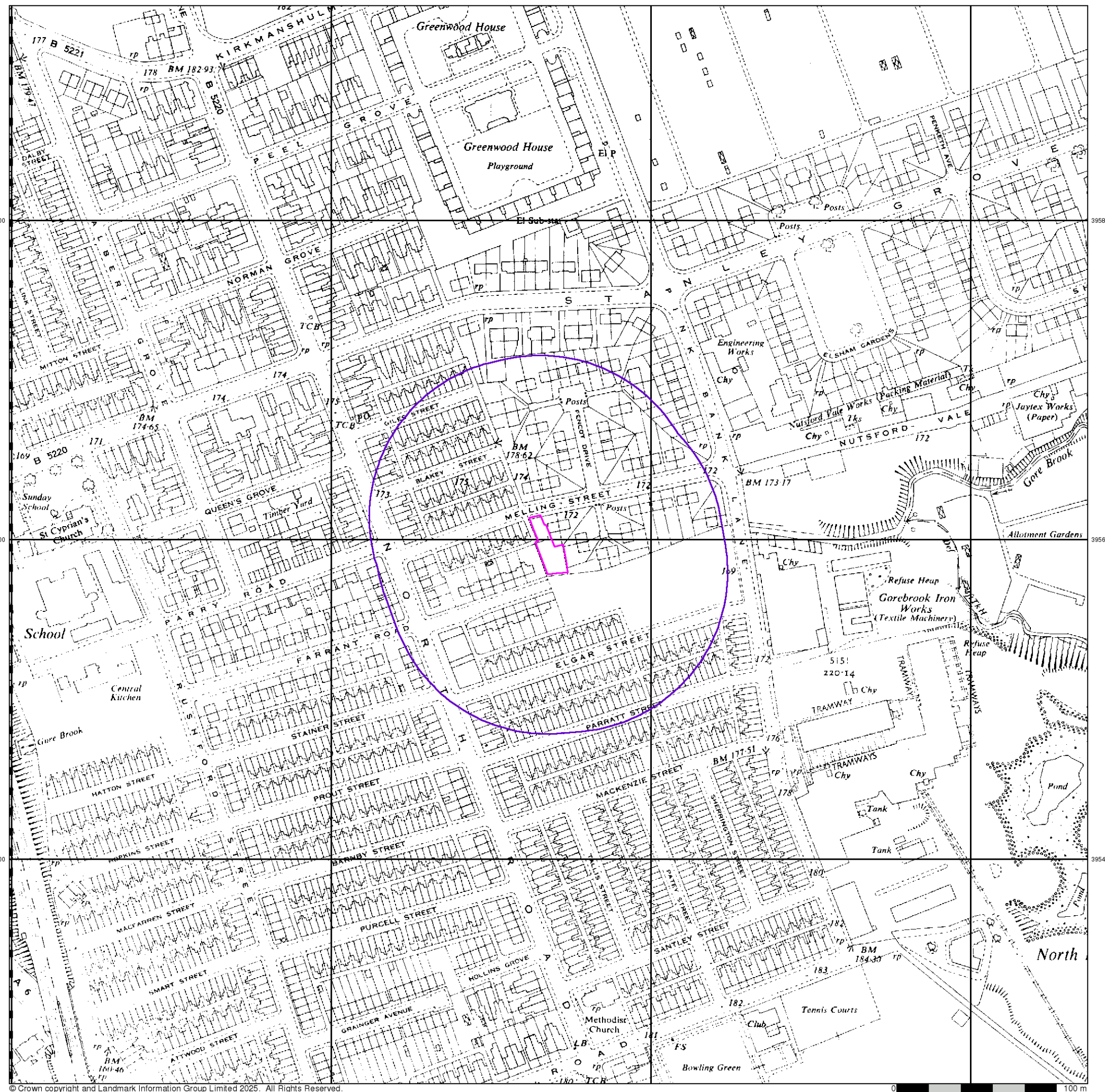


## Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

## Site Details

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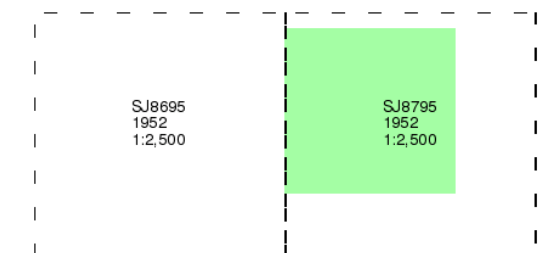
## Ordnance Survey Plan

Published 1952

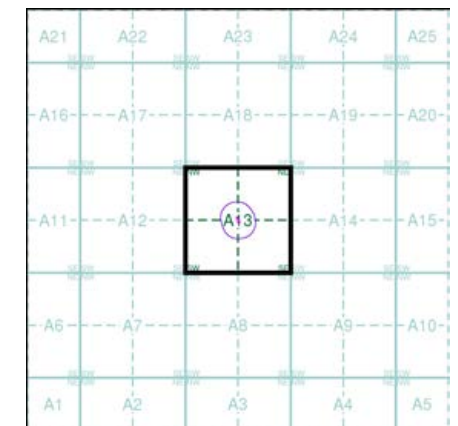
Source map scale - 1:2,500

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

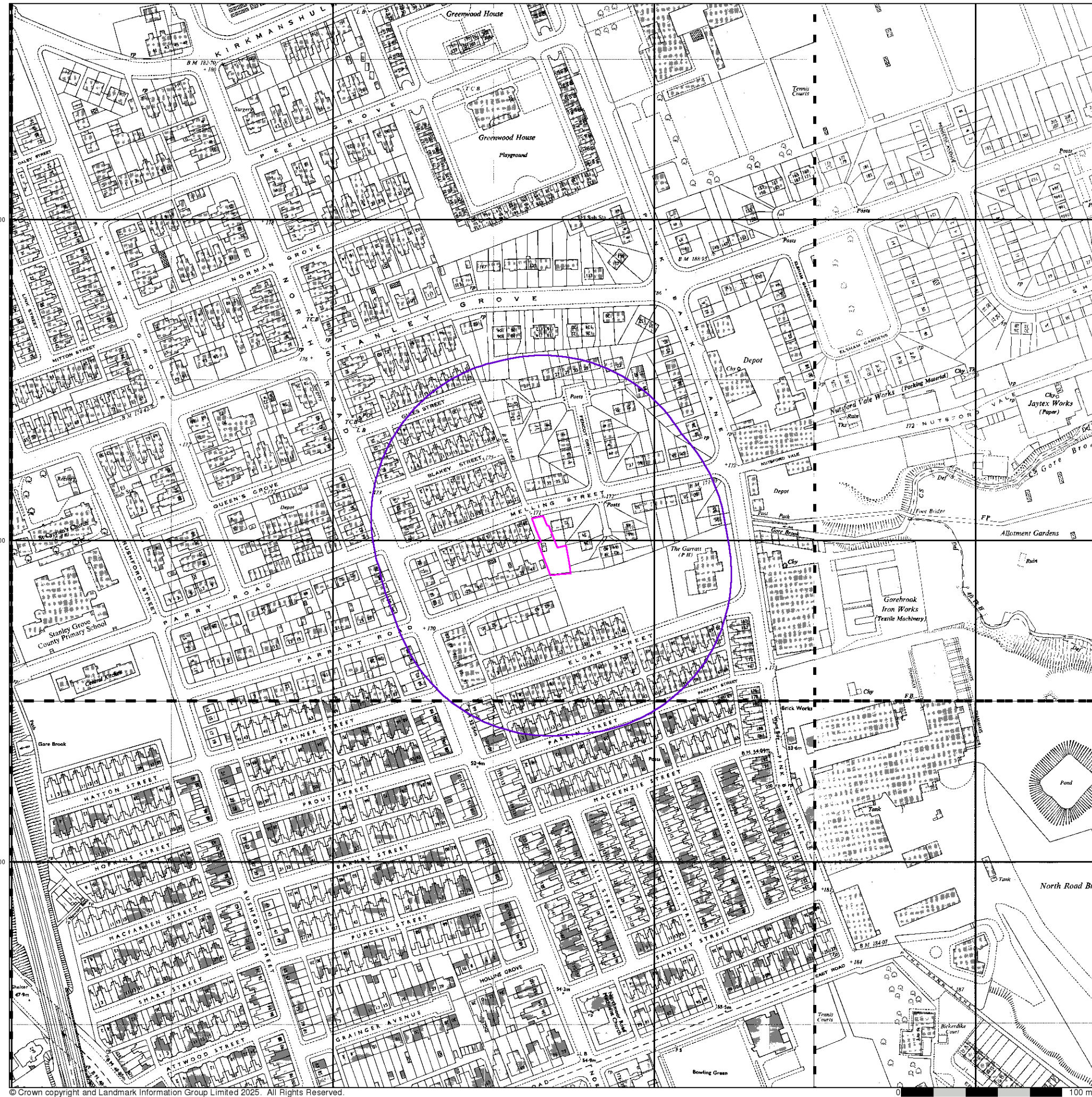
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

## Site Details

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## Ordnance Survey Plan

Published 1953 - 1983

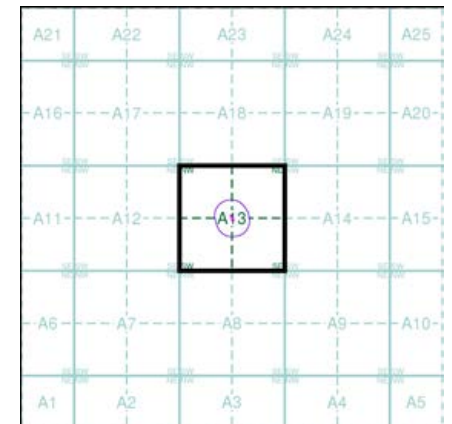
Source map scale - 1:1,250

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)

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| SJ8695NE<br>1983<br>1:1,250 | SJ8795NW<br>1968<br>1:1,250 | SJ8795NE<br>1953<br>1:1,250 |
|                             | SJ8795SW<br>1972<br>1:1,250 | SJ8795SE<br>1968<br>1:1,250 |

### Historical Map - Segment A13



### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

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## Ordnance Survey Plan

**Published 1984 - 1989**

**Source map scale - 1:1,250**

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### Map Name(s) and Date(s)

|                             |                             |
|-----------------------------|-----------------------------|
| SJ8795NW<br>1989<br>1:1,250 | SJ8795SE<br>1984<br>1:1,250 |
|-----------------------------|-----------------------------|

### Historical Map - Segment A13

### Order Details

|                          |                |
|--------------------------|----------------|
| Order Number:            | 391217610_1_1  |
| Customer Ref:            | ES011225       |
| National Grid Reference: | 387340, 395600 |
| Slice:                   | A              |
| Site Area (Ha):          | 0.05           |
| Search Buffer (m):       | 100            |

### Site Details

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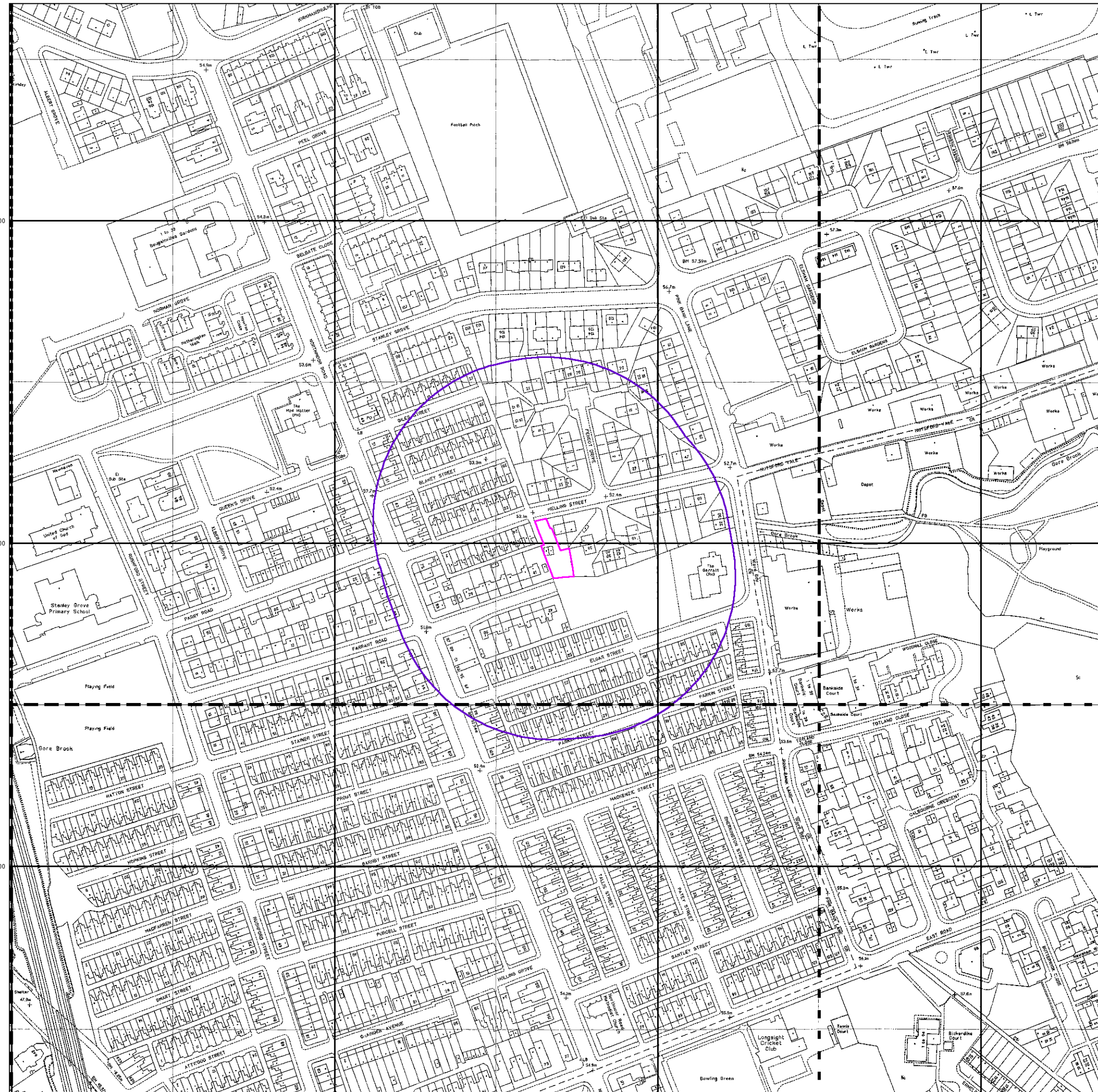
A Landmark Information Group Service v50.0 01-Dec-2025 Page 11 of 17

387000

387200

387400

387600



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0 100 m

## Large-Scale National Grid Data

Published 1992

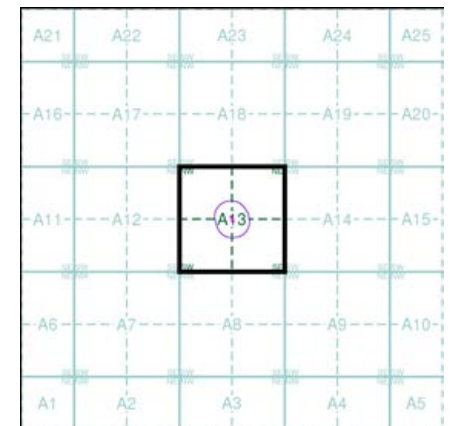
Source map scale - 1:1,250

'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)

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| SJ8695NE<br>1992<br>1:1,250 | SJ8795NW<br>1992<br>1:1,250 | SJ8795NE<br>1992<br>1:1,250 |
| SJ8695SE<br>1992<br>1:1,250 | SJ8795SW<br>1992<br>1:1,250 | SJ8795SE<br>1992<br>1:1,250 |

### Historical Map - Segment A13

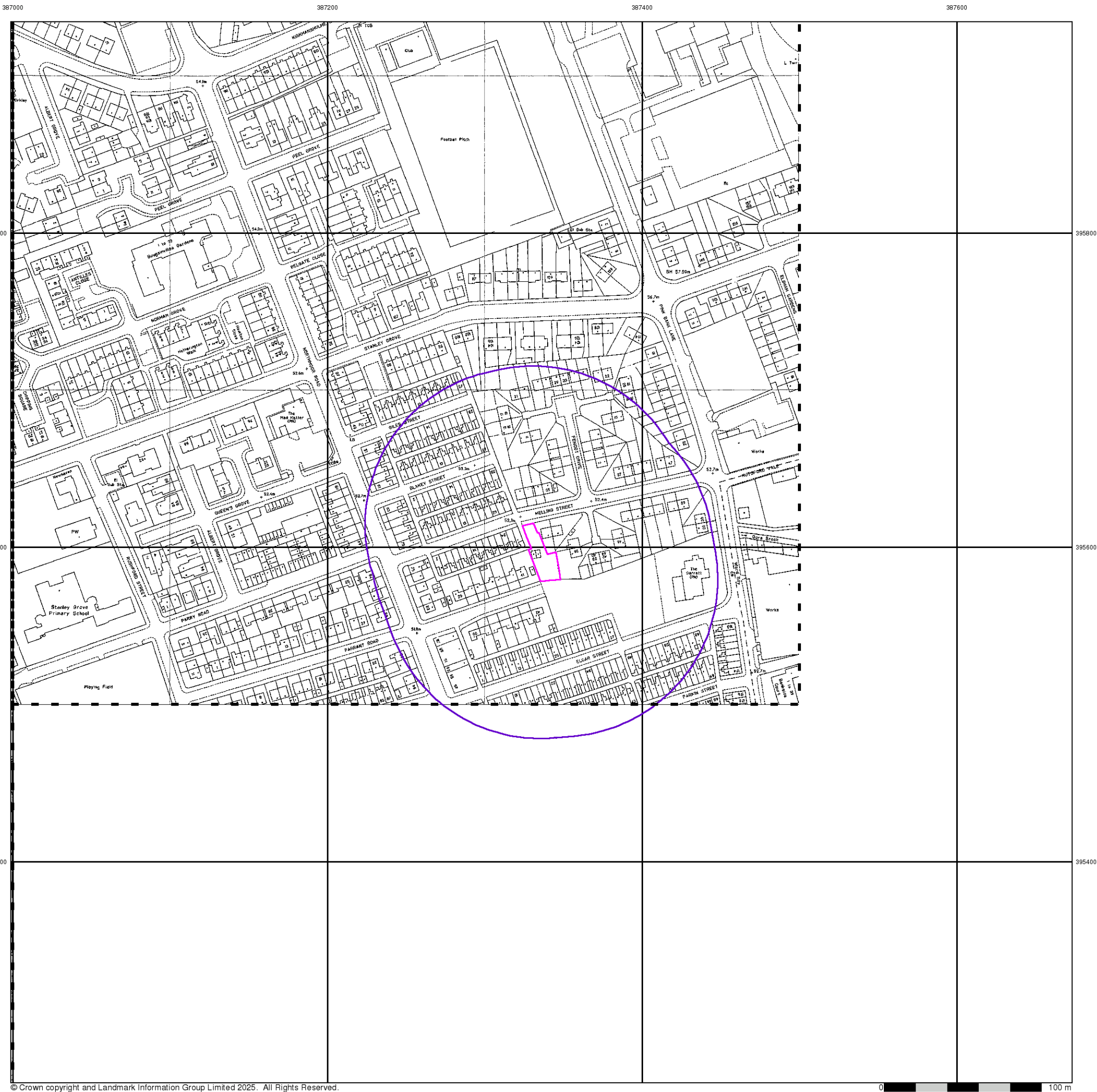


### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

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## Large-Scale National Grid Data

Published 1993 - 1995

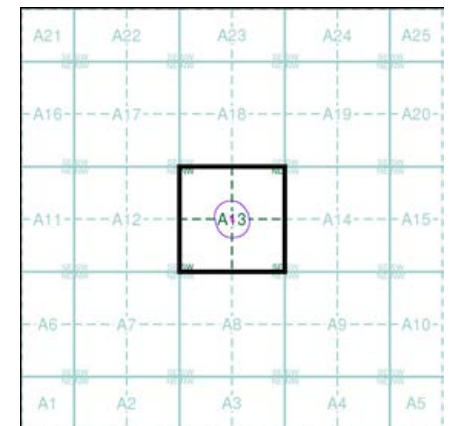
Source map scale - 1:1,250

'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.

### Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SJ8695NE | SJ8795NW |
| 1993     | 1993     |
| 1:1,250  | 1:1,250  |
| SJ8695SE |          |
| 1995     |          |
| 1:1,250  |          |

### Historical Map - Segment A13

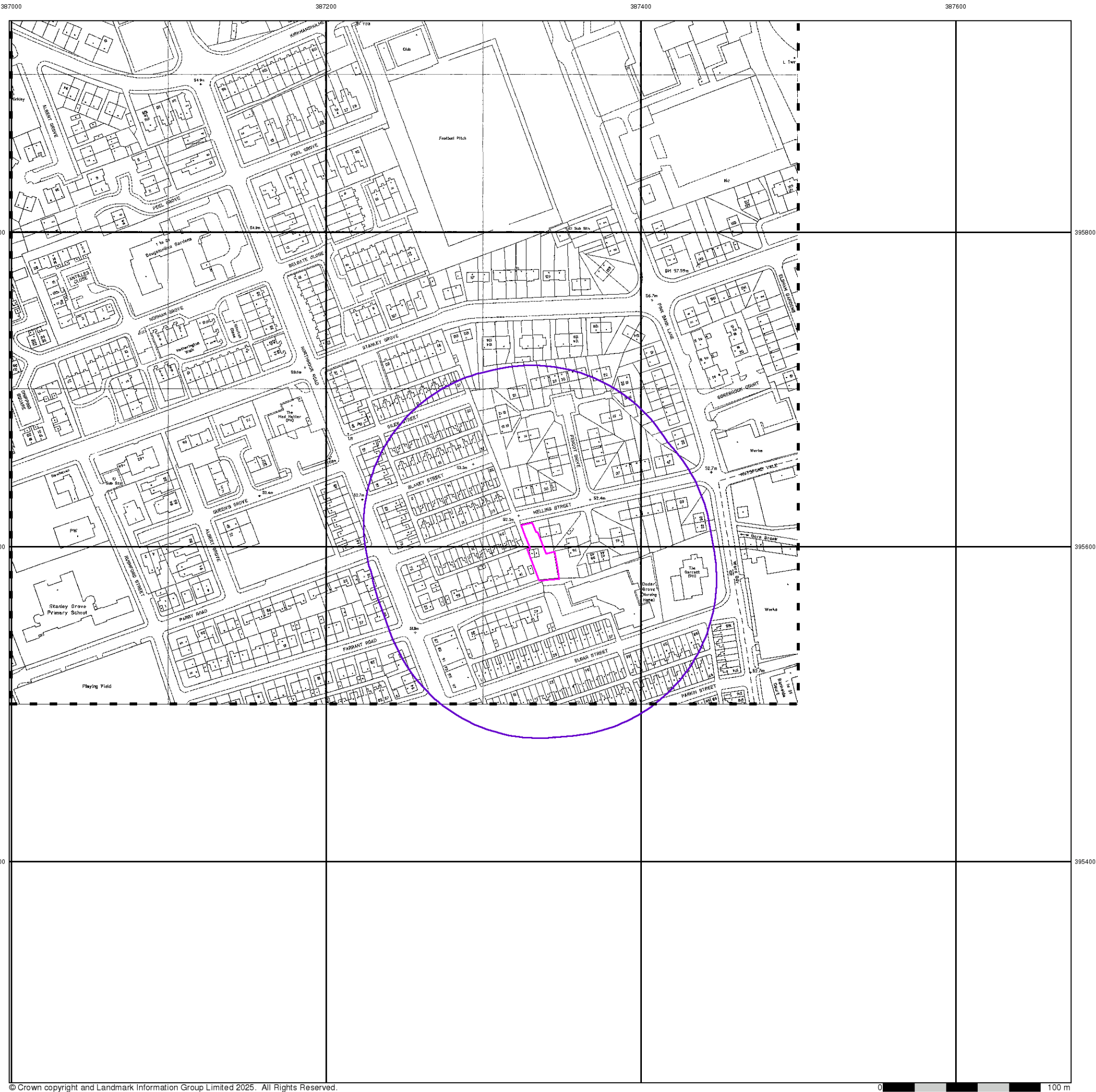


### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

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0 100 m

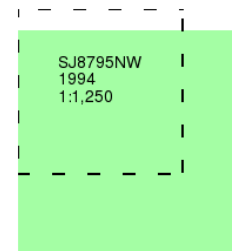
## Large-Scale National Grid Data

Published 1994

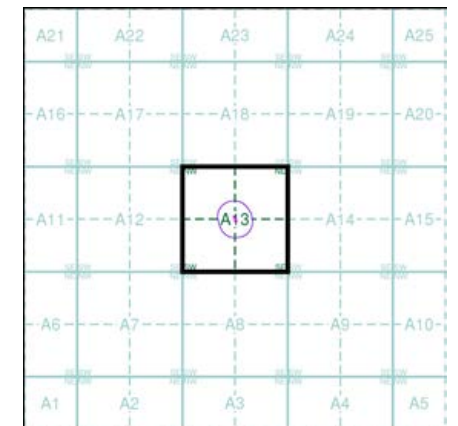
Source map scale - 1:1,250

'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

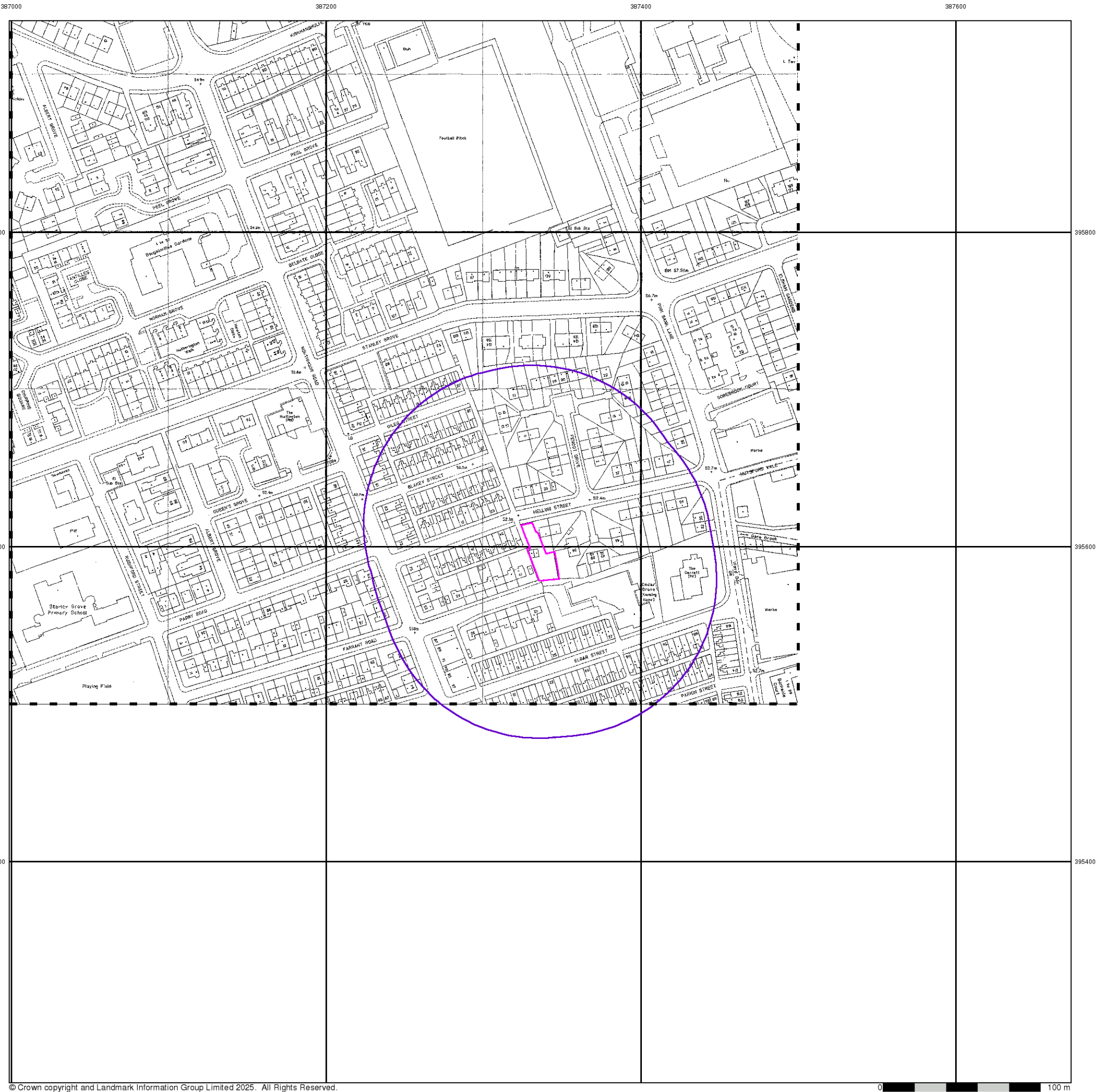


### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

30, Melling Street, Manchester, M12 4PH



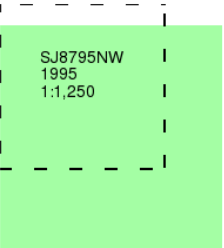
**Large-Scale National Grid Data**

**Published 1995**

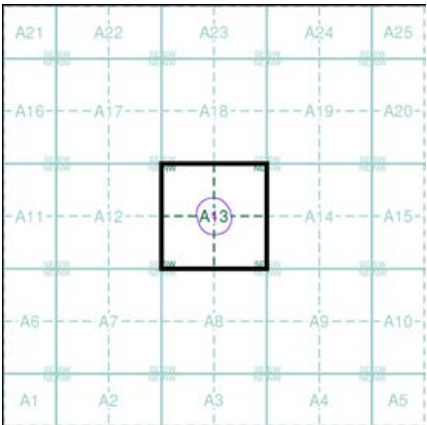
**Source map scale - 1:1,250**

'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.

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



**Order Details**

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

**Site Details**

30, Melling Street, Manchester, M12 4PH

387000

387200

387400

387600

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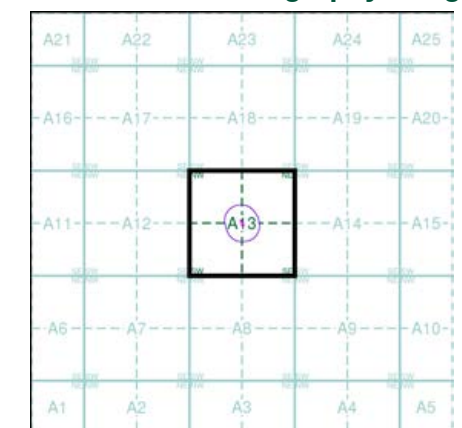
LANDMARK INFORMATION GROUP<sup>®</sup>

## 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: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

30, Melling Street, Manchester, M12 4PH

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
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Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

395600

395600

395400

395400

# 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                                    |  | Minor Roads                 |  |               |
|  | 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 |  |                             |  |               |
|  | County Borough Boundary (England)             |  |                             |  |               |
|  | County Burgh Boundary (Scotland)              |  |                             |  |               |
|  | 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                                                   |
|  | Bracken                                                               |  | Heath                                                   |
|  | Marsh                                                                 |  | Reeds                                                   |
|  | Building                                                              |  | Glasshouse                                              |
|  | Sloping Masonry                                                       |  | Pylon                                                   |
|  | Cutting                                                               |  | Embankment                                              |
|  | Road Under                                                            |  | Road Over                                               |
|  | Level Crossing                                                        |  | Foot Bridge                                             |
|  | Standard Gauge Multiple Track                                         |  | 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                   |
|  | Civil Parish                                                          |  |                                                         |
|  | BP, BS Boundary Post or Stone                                         |  | Police Station                                          |
|  | Church                                                                |  | Post Office                                             |
|  | Club House                                                            |  | Public Convenience                                      |
|  | Fire Engine Station                                                   |  | Public House                                            |
|  | Foot Bridge                                                           |  | Signal Box                                              |
|  | Fountain                                                              |  | Spring                                                  |
|  | Guide Post                                                            |  | Telephone Call Box                                      |
|  | Mile Post                                                             |  | Telephone Call Post                                     |
|  | Mile Stone                                                            |  | Well                                                    |

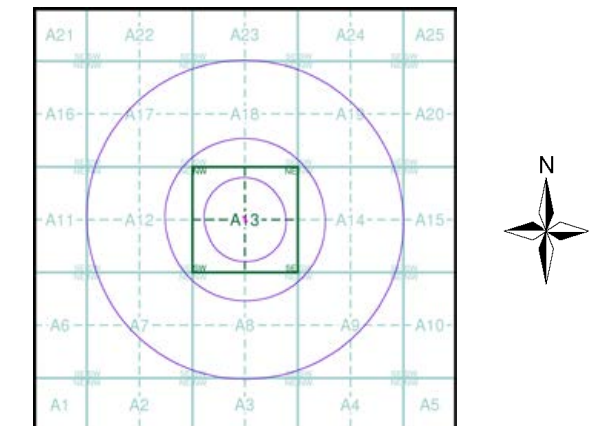
## 1:10,000 Raster Mapping

|  |                                                          |  |                                            |
|--|----------------------------------------------------------|--|--------------------------------------------|
|  | 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                                |
|  | Mean high water (springs)                                |  | Mean low water (springs)                   |
|  | Telephone line (where shown)                             |  | Electricity transmission line (with poles) |
|  | 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                         |

## 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 | 2025        | 22 |

## Historical Map - Slice A



## Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

30, Melling Street, Manchester, M12 4PH

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

180/12    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

Telegraph/Telephone Lines    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    Direction and velocity of current    Water Gauge    Water Level Mark

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

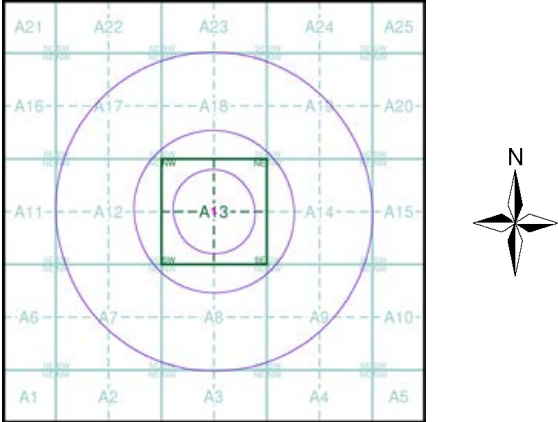
SJ89\_Manchester

| No. | Description     |
|-----|-----------------|
| 25  | Depot (Railway) |

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 | 2025        | 22 |

Russian Map - Slice A

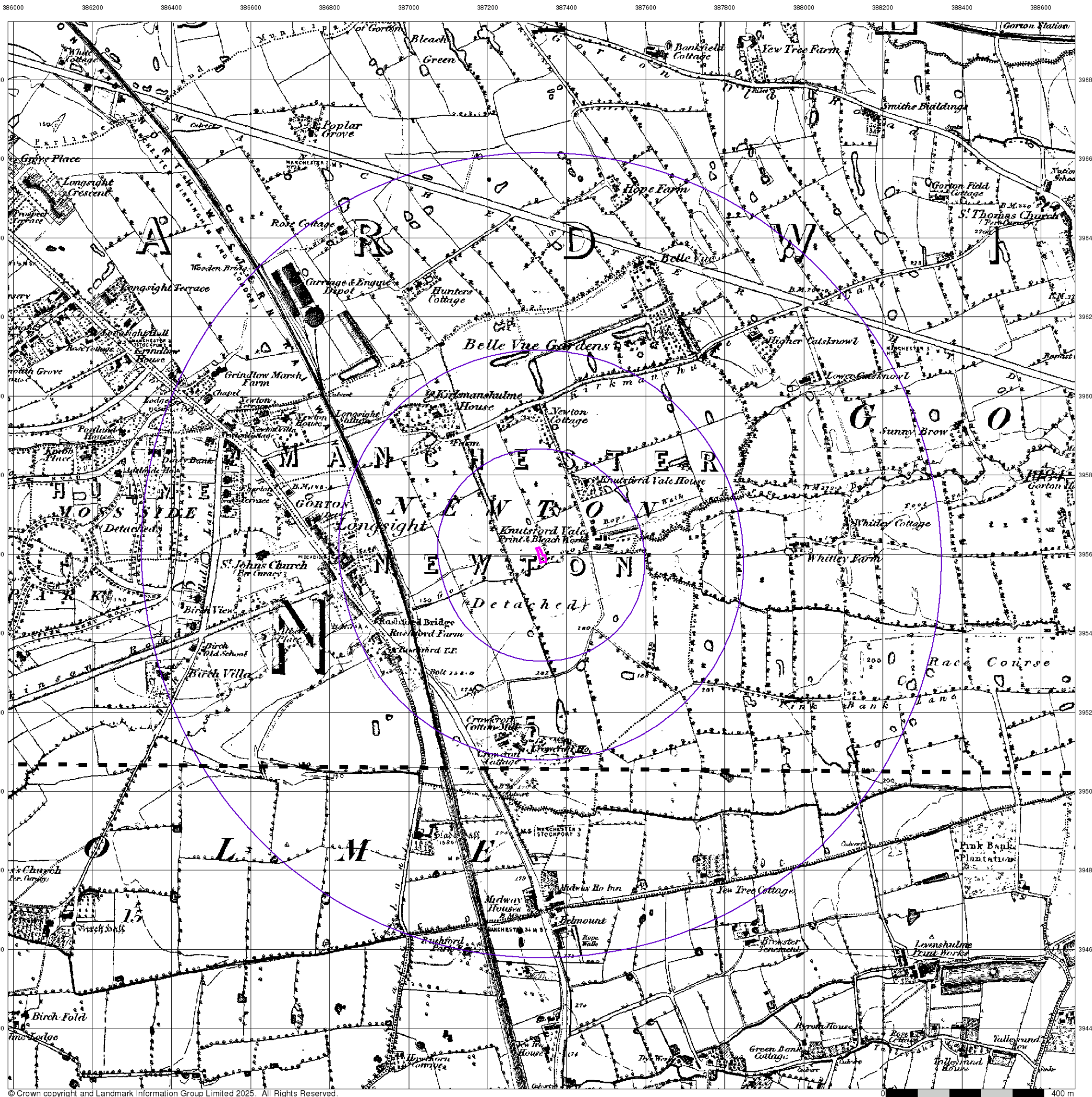


Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

Site Details

30, Melling Street, Manchester, M12 4PH



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## Lancashire And Furness

### Published 1848

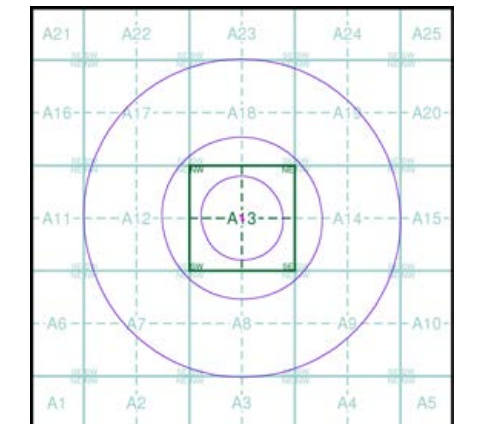
### Source map scale - 1:10,560

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

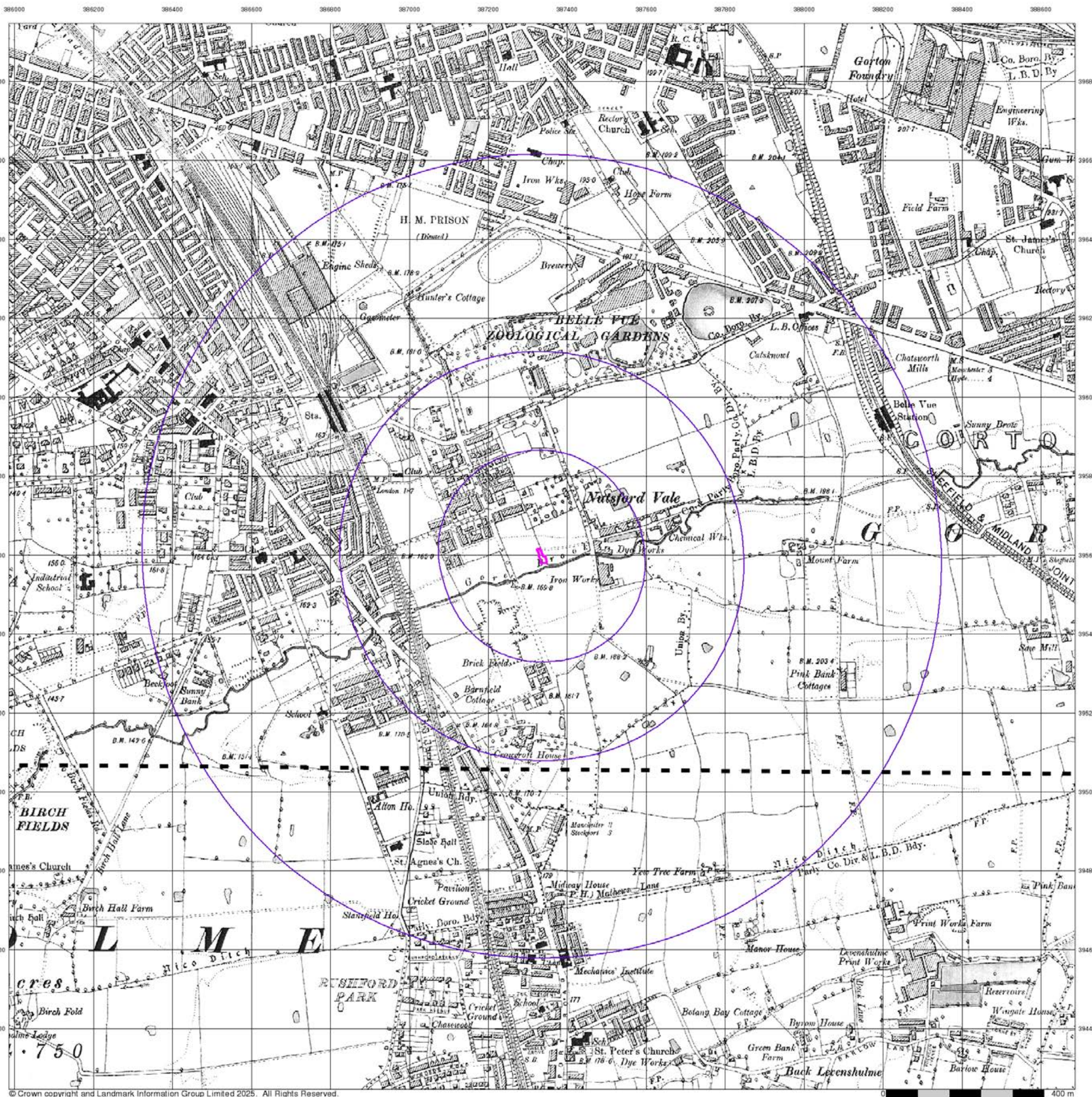
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

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## Lancashire And Furness

Published 1894

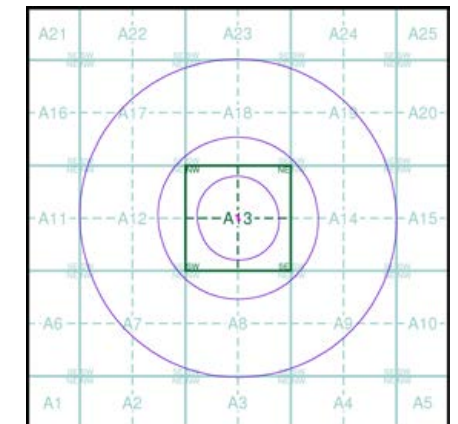
Source map scale - 1:10,560

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)

|          |
|----------|
| 104SE    |
| 1894     |
| 1:10,560 |
| 111NE    |
| 1894     |
| 1:10,560 |

### Historical Map - Slice A

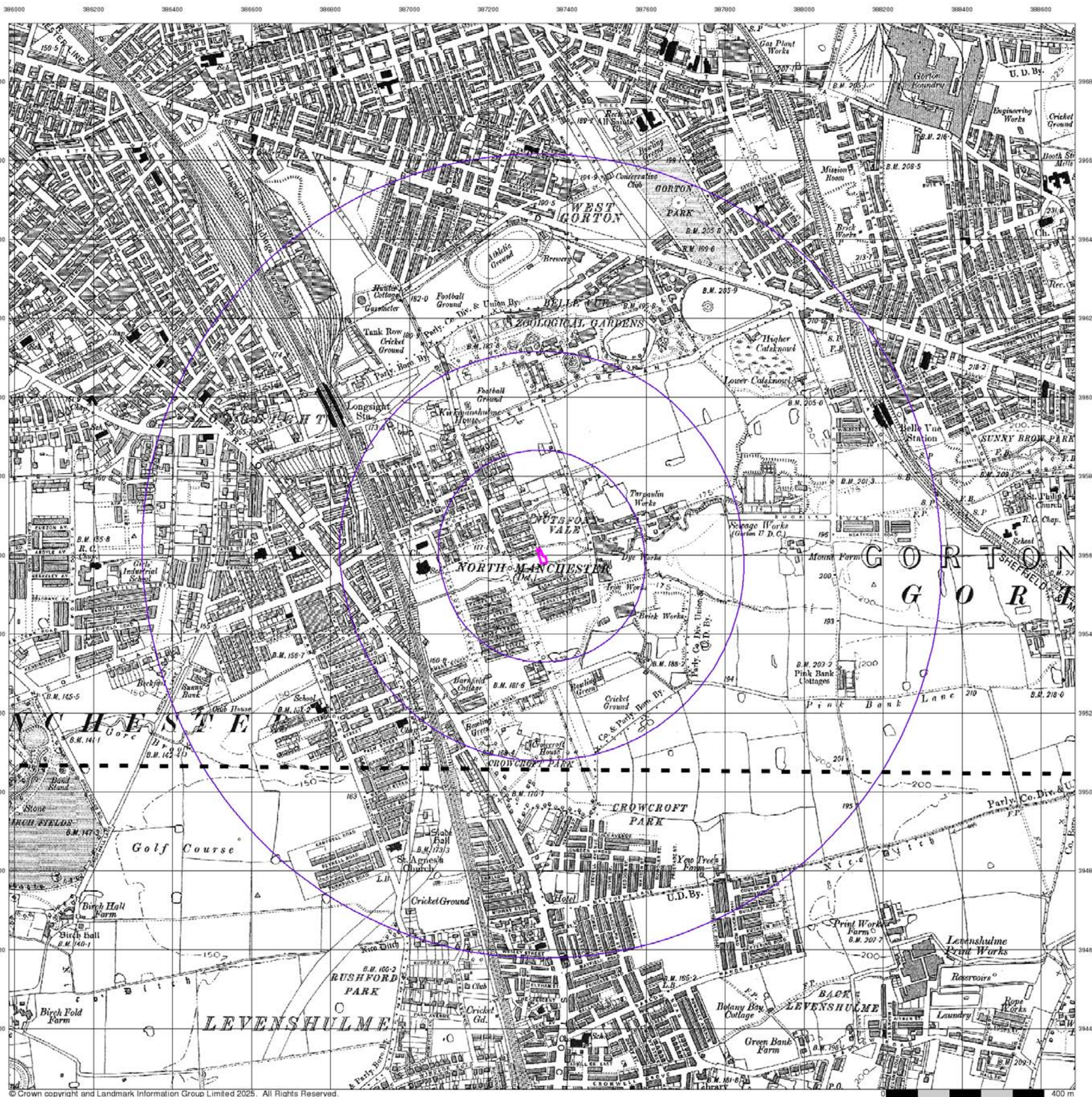


### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

30, Melling Street, Manchester, M12 4PH



## Lancashire And Furness

Published 1908 - 1909

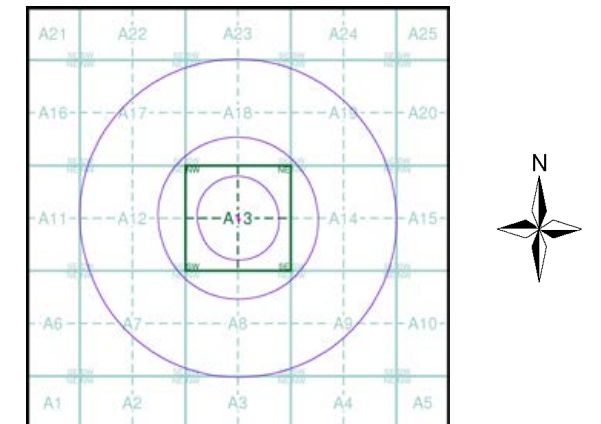
Source map scale - 1:10,560

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)

|          |
|----------|
| 104SE    |
| 1909     |
| 1:10,560 |
| 111NE    |
| 1908     |
| 1:10,560 |

### Historical Map - Slice A

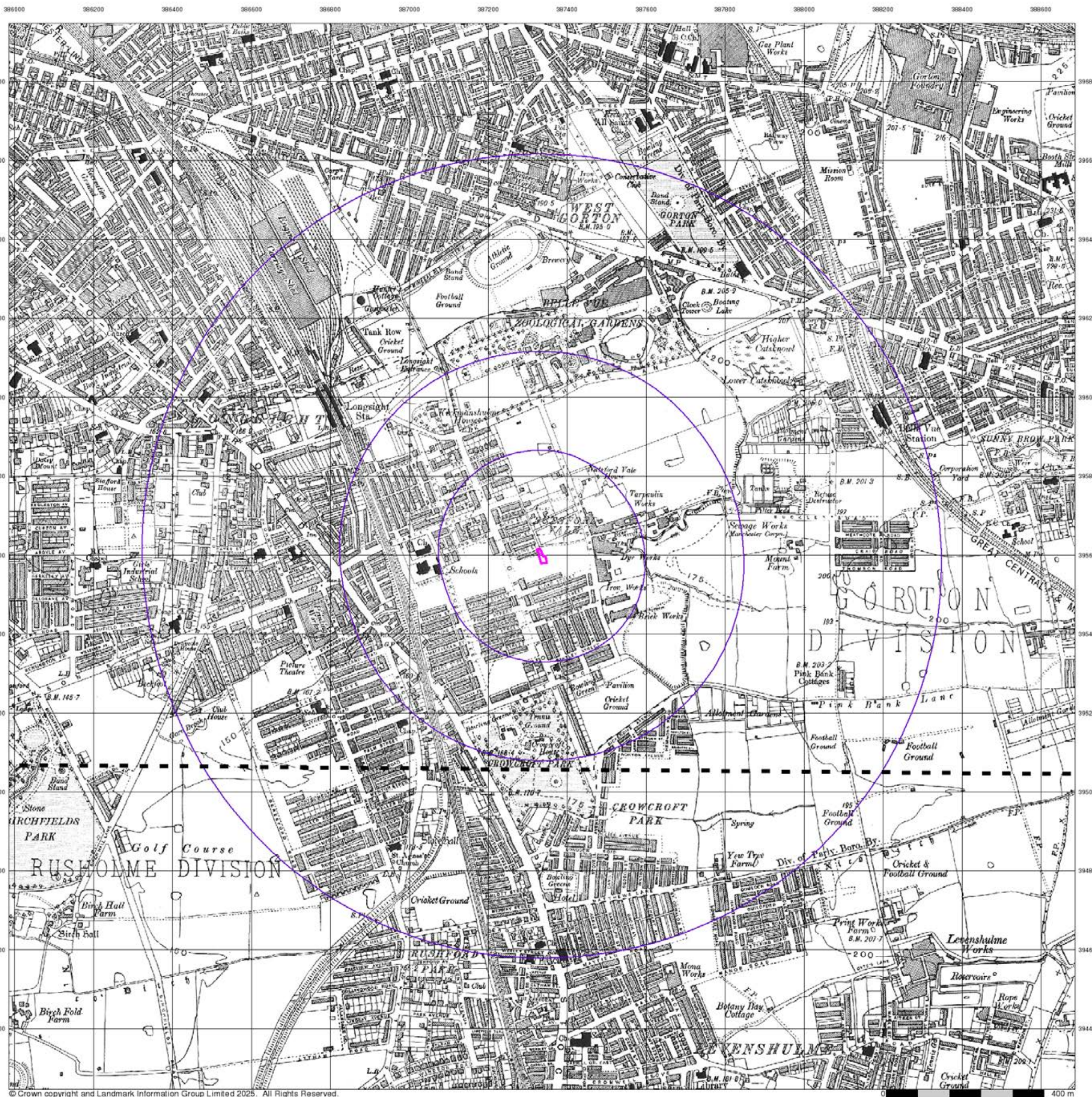


### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

30, Melling Street, Manchester, M12 4PH



# Envirocheck®

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## Lancashire And Furness

### Published 1923

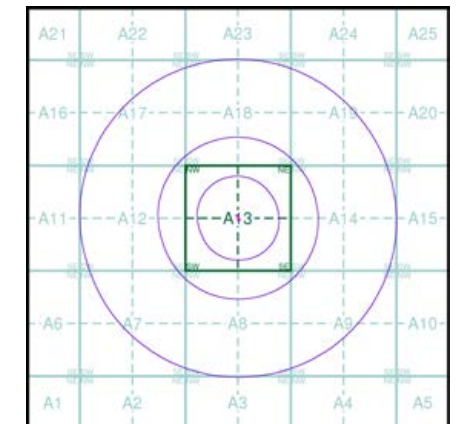
### Source map scale - 1:10,560

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)

|          |
|----------|
| 104SE    |
| 1923     |
| 1:10,560 |
| 111NE    |
| 1923     |
| 1:10,560 |

### Historical Map - Slice A



### Order Details

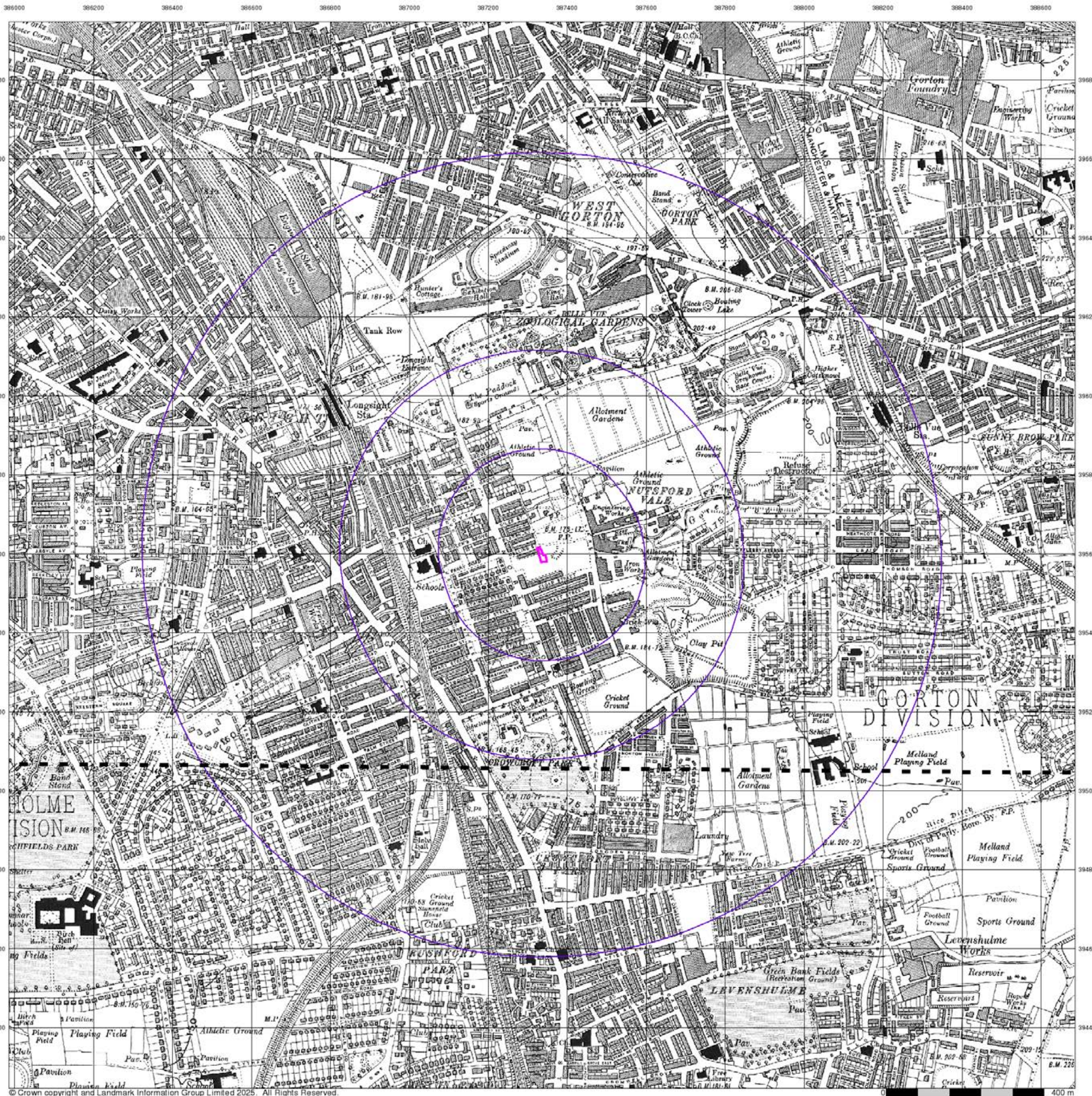
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

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**Landmark**  
INFORMATION GROUP

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## Lancashire And Furness

Published 1933 - 1934

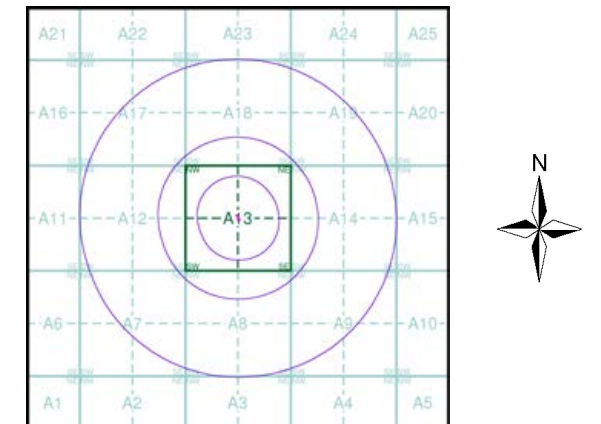
Source map scale - 1:10,560

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)

|          |
|----------|
| 104SE    |
| 1933     |
| 1:10,560 |
| 111NE    |
| 1934     |
| 1:10,560 |

### Historical Map - Slice A

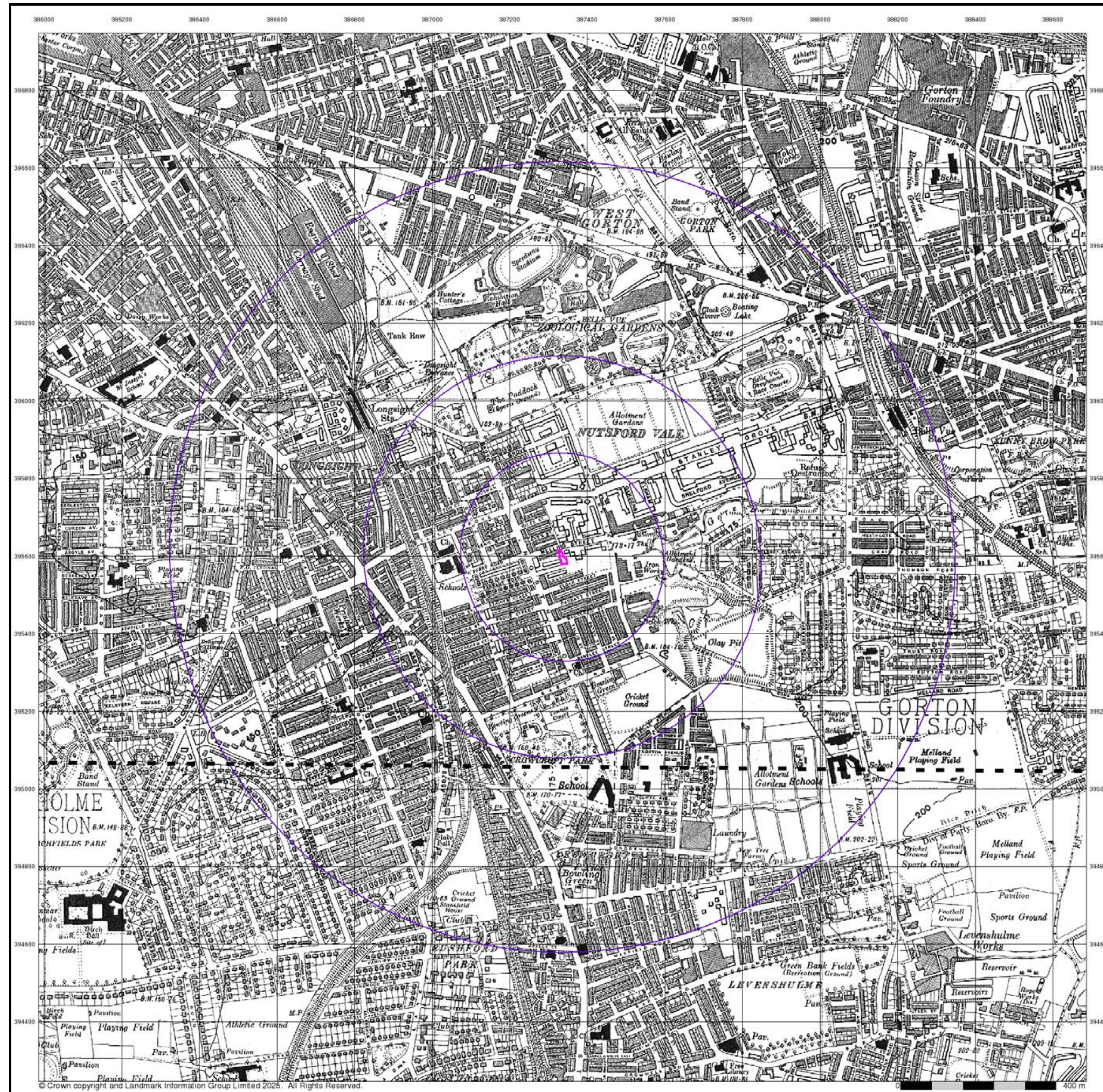


### Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

30, Melling Street, Manchester, M12 4PH



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## Lancashire And Furness

Published 1938

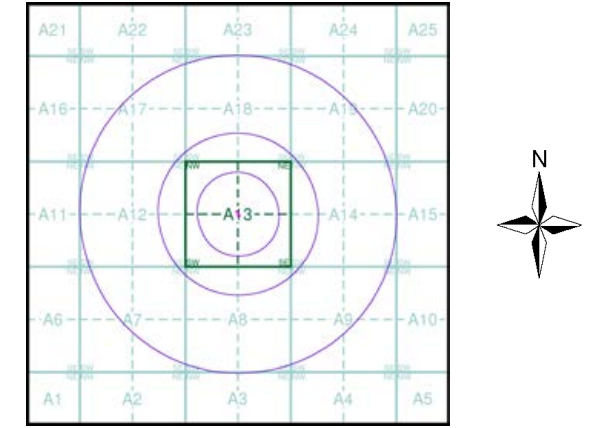
Source map scale - 1:10,560

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)

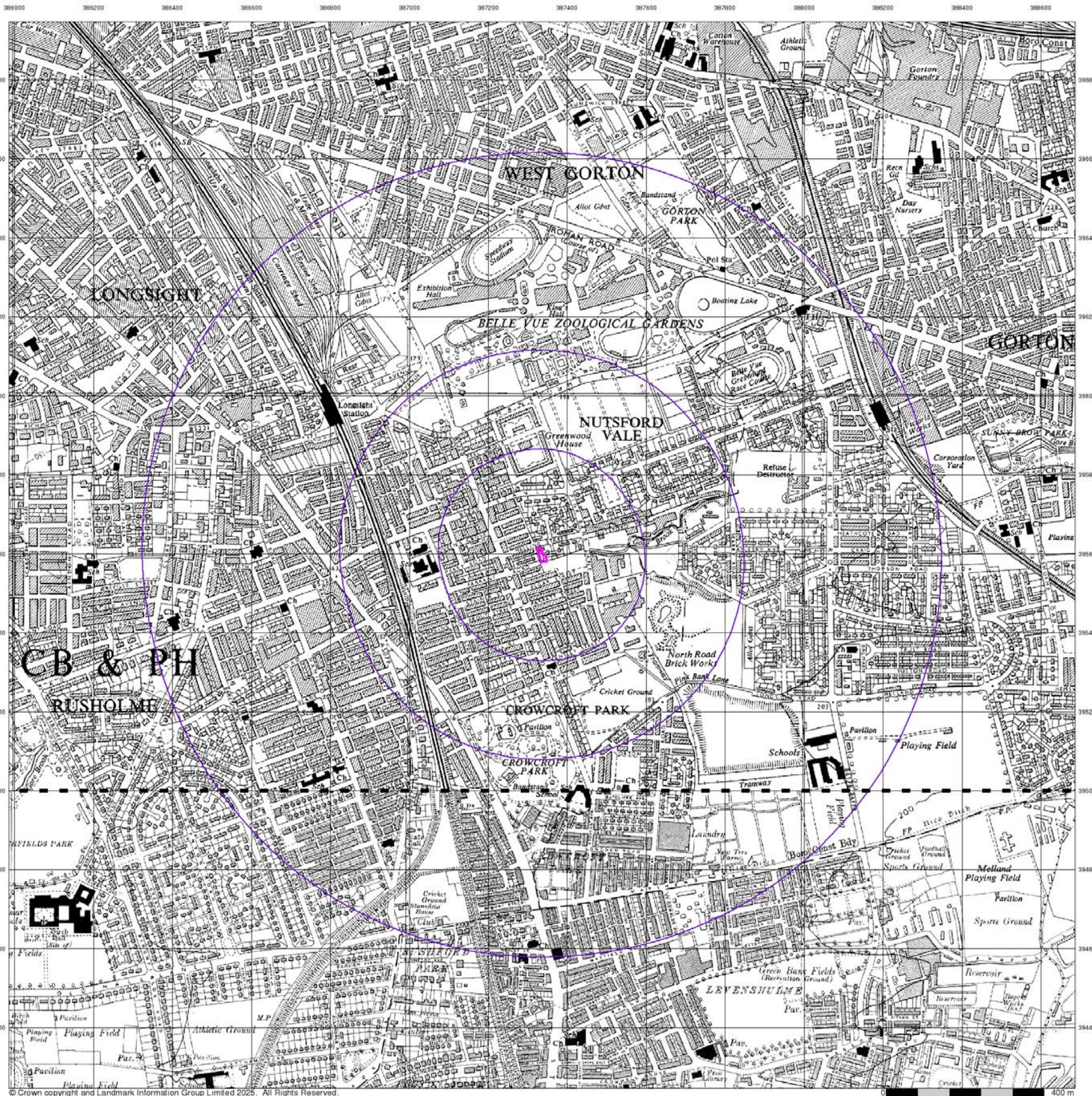
|          |
|----------|
| 104SE    |
| 1938     |
| 1:10,560 |
| 111NE    |
| 1938     |
| 1:10,560 |

### Historical Map - Slice A



| Order Details            |                |
|--------------------------|----------------|
| Order Number:            | 391217610_1_1  |
| Customer Ref:            | ES011225       |
| National Grid Reference: | 387340, 395600 |
| Slice:                   | A              |
| Site Area (Ha):          | 0.05           |
| Search Buffer (m):       | 1000           |

**Site Details**  
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## Ordnance Survey Plan

Published 1955 - 1956

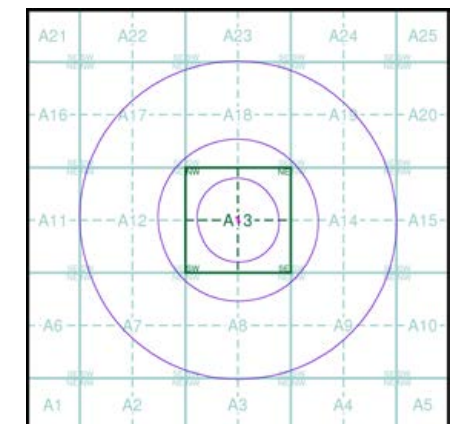
Source map scale - 1:10,000

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

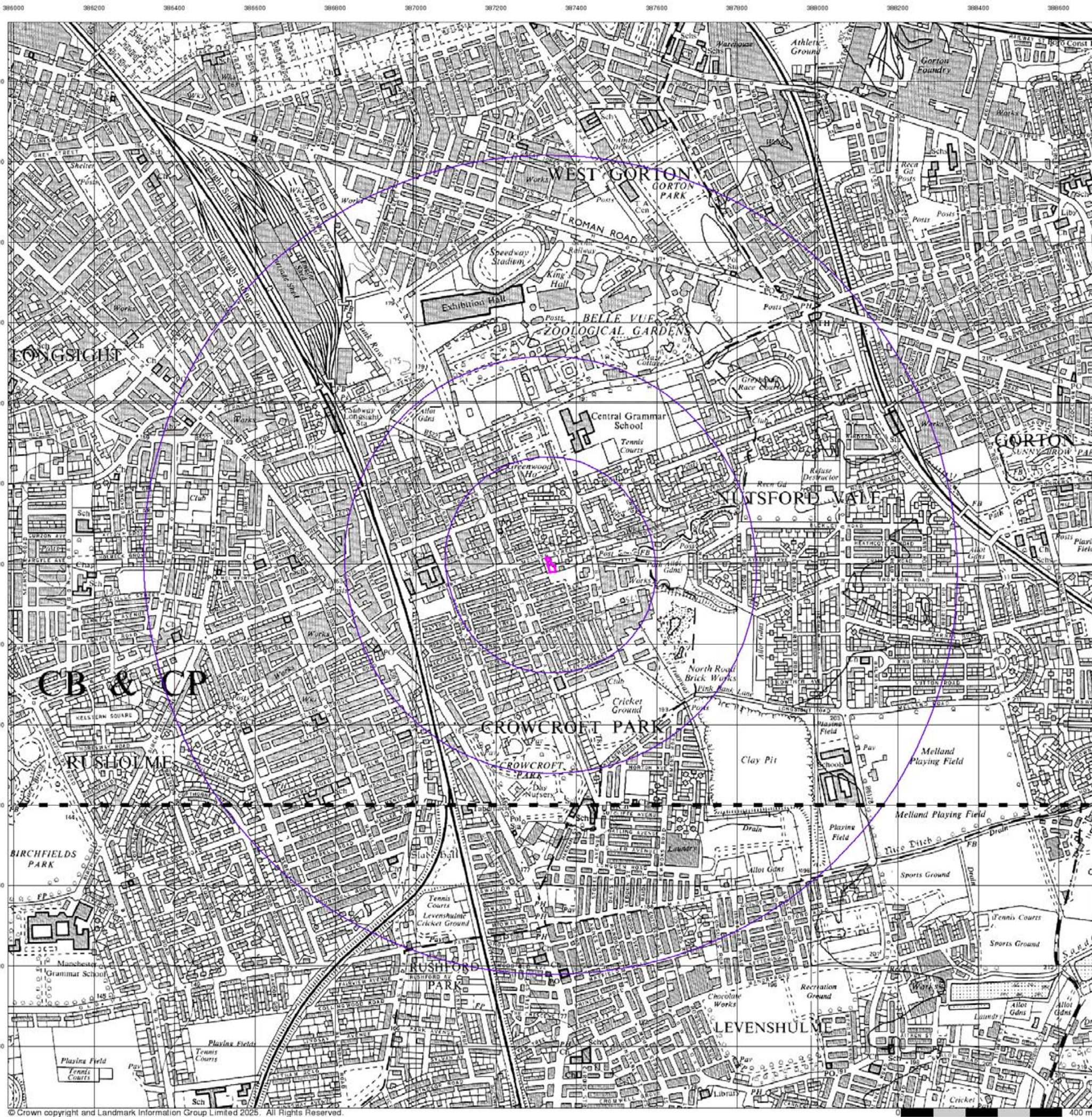
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

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## Ordnance Survey Plan

Published 1965 - 1968

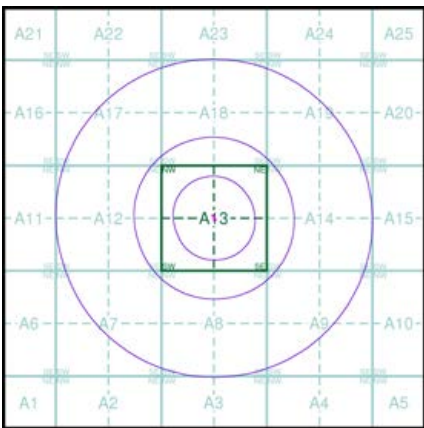
Source map scale - 1:10,000

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: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

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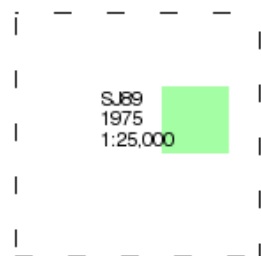
Manchester

Published 1975

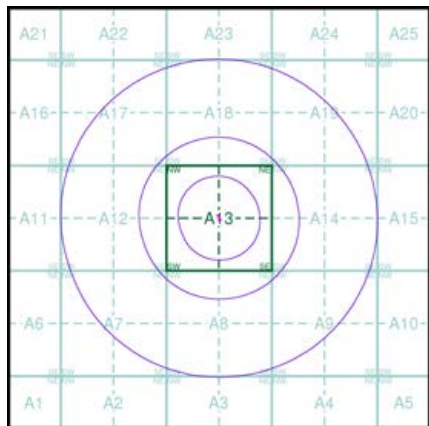
Source map scale - 1:25,000

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

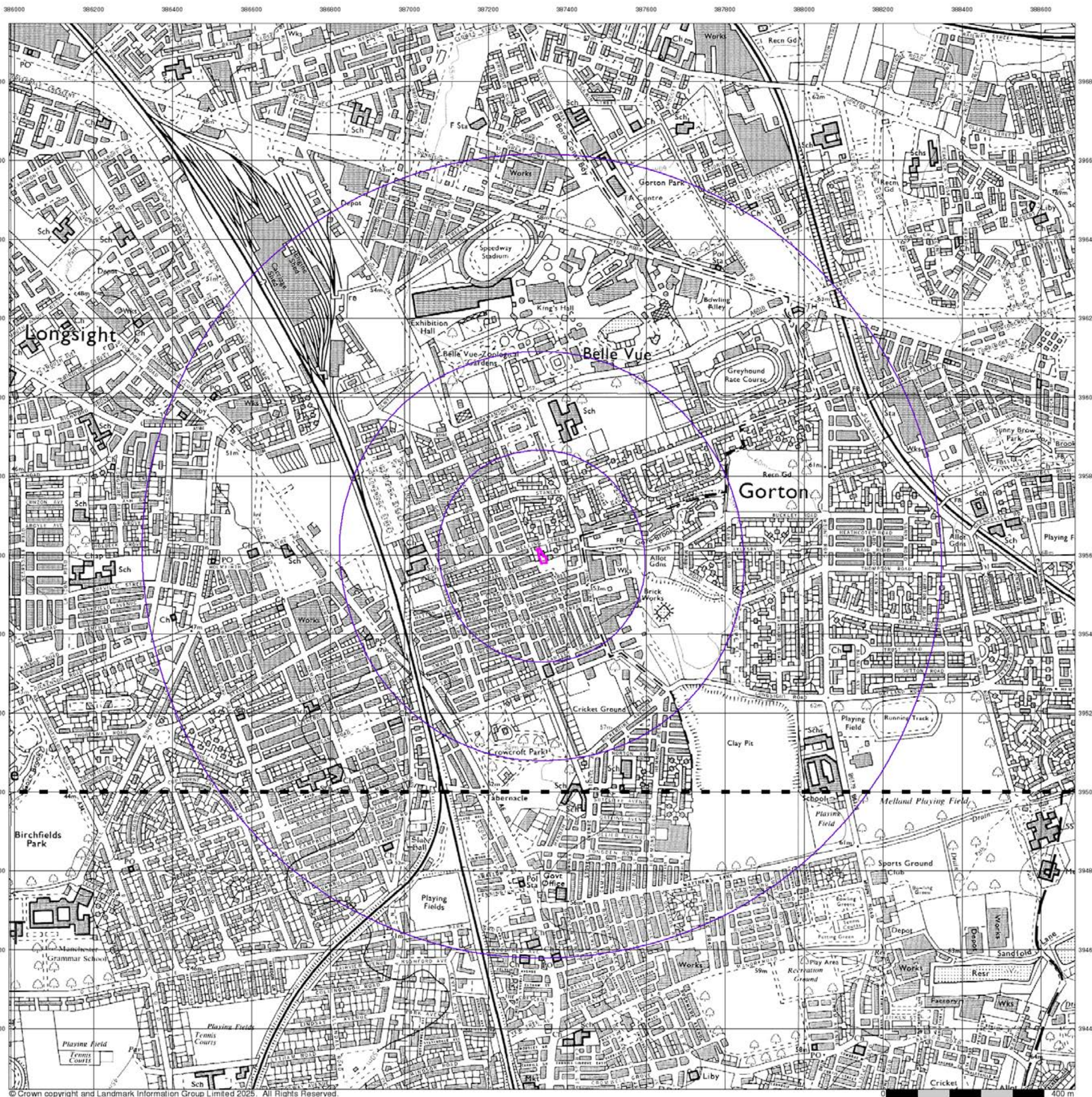
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

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## Ordnance Survey Plan

Published 1981 - 1985

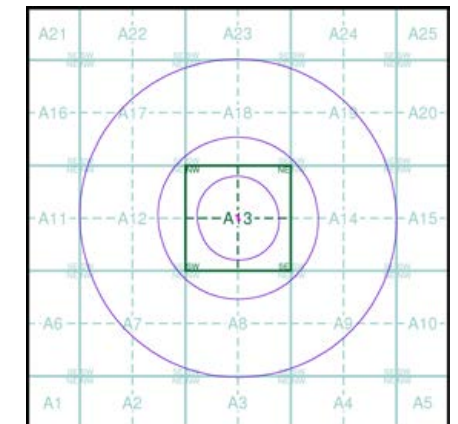
Source map scale - 1:10,000

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

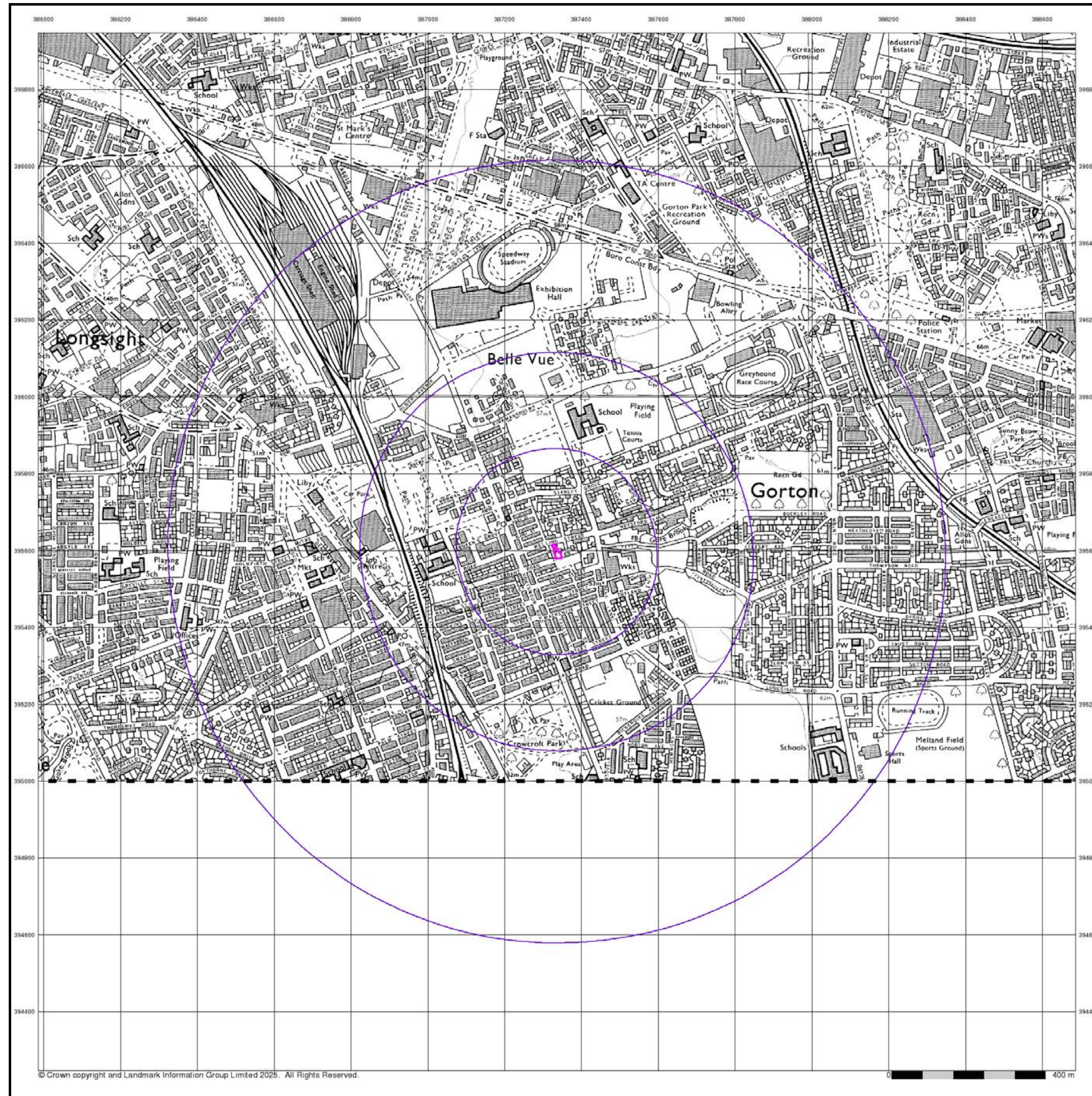


## Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

30, Melling Street, Manchester, M12 4PH



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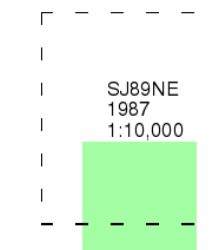
## Ordnance Survey Plan

Published 1987

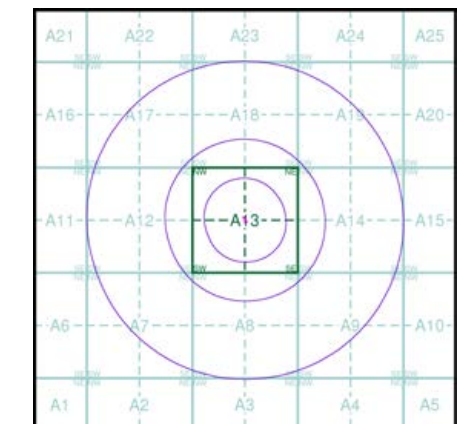
Source map scale - 1:10,000

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

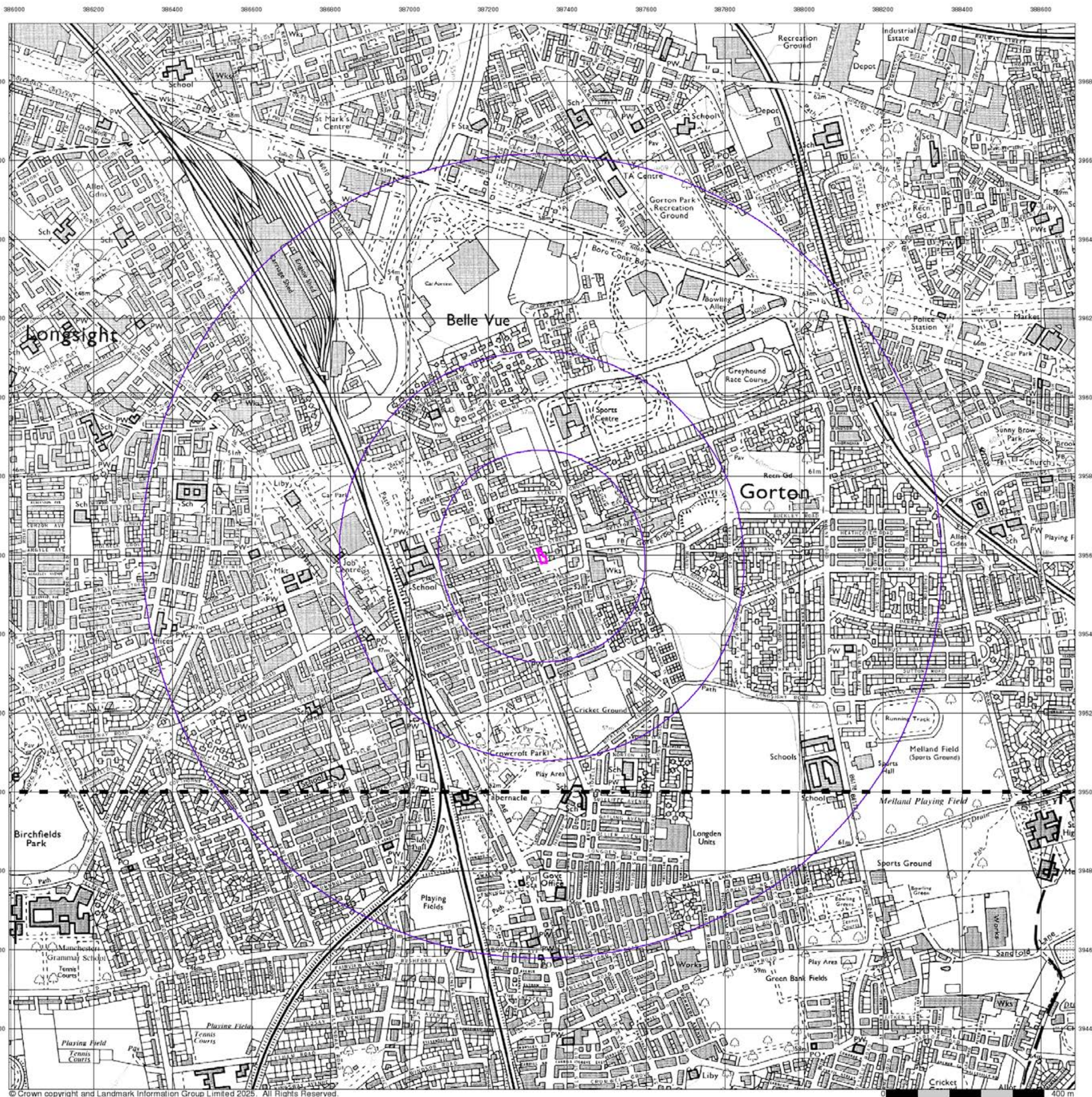


## Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

30, Melling Street, Manchester, M12 4PH



## Ordnance Survey Plan

Published 1990 - 1993

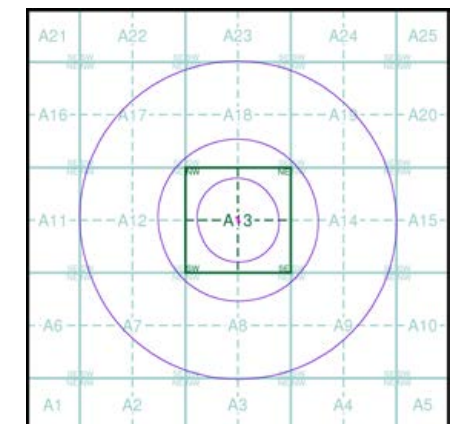
Source map scale - 1:10,000

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

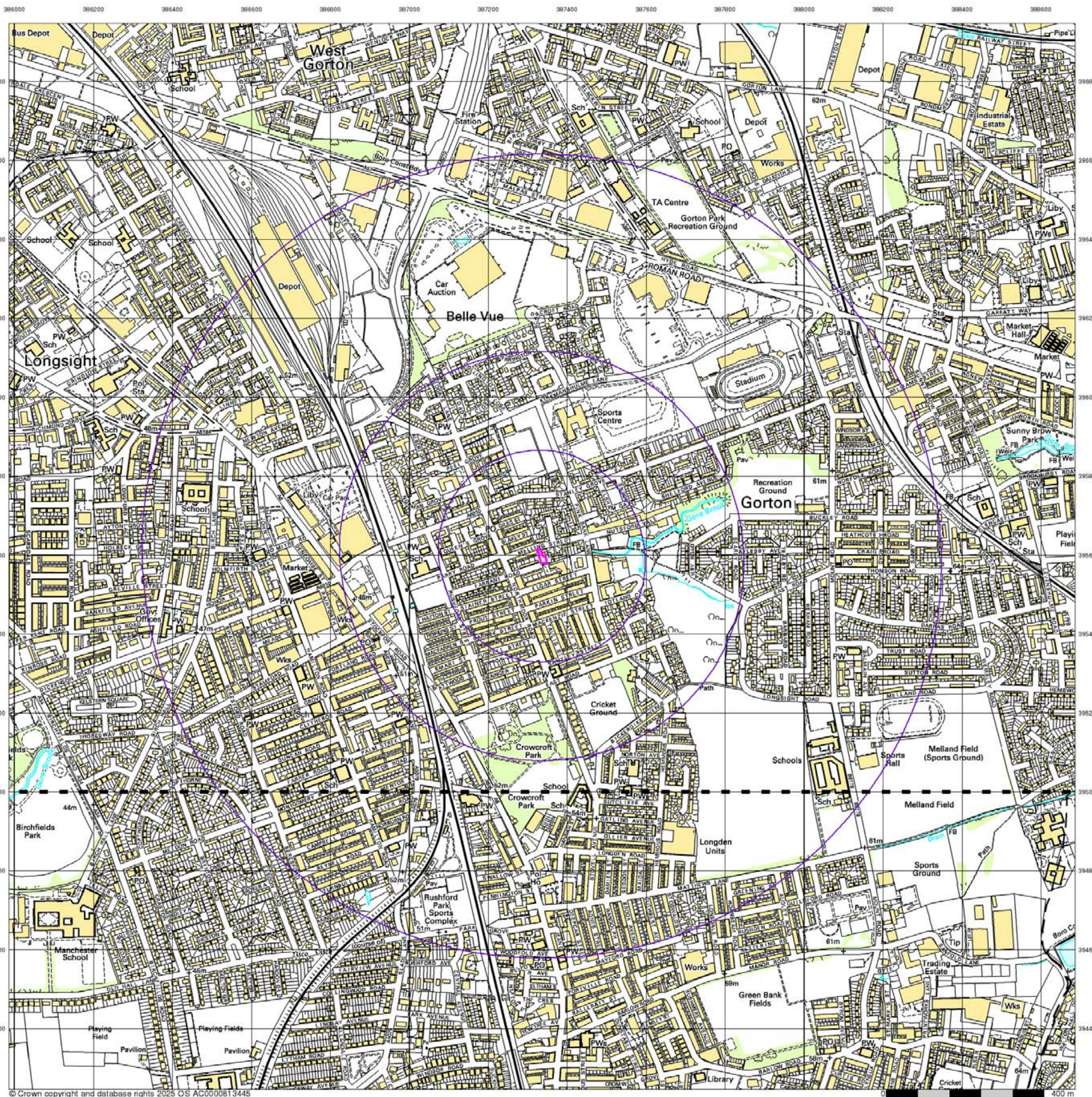


## Order Details

Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

30, Melling Street, Manchester, M12 4PH



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## 10k Raster Mapping

### Published 1999

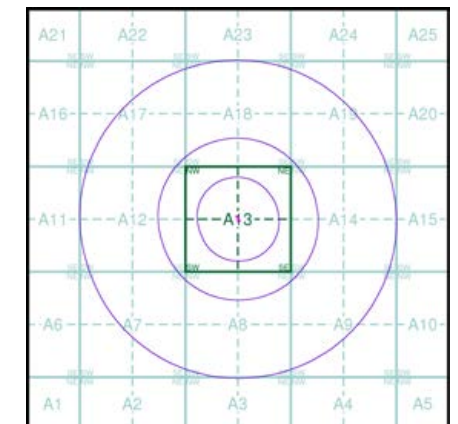
### Source map scale - 1:10,000

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)

SJ89NE  
1999  
1:10,000  
SJ89SE  
1999  
1:10,000

### Historical Map - Slice A



### Order Details

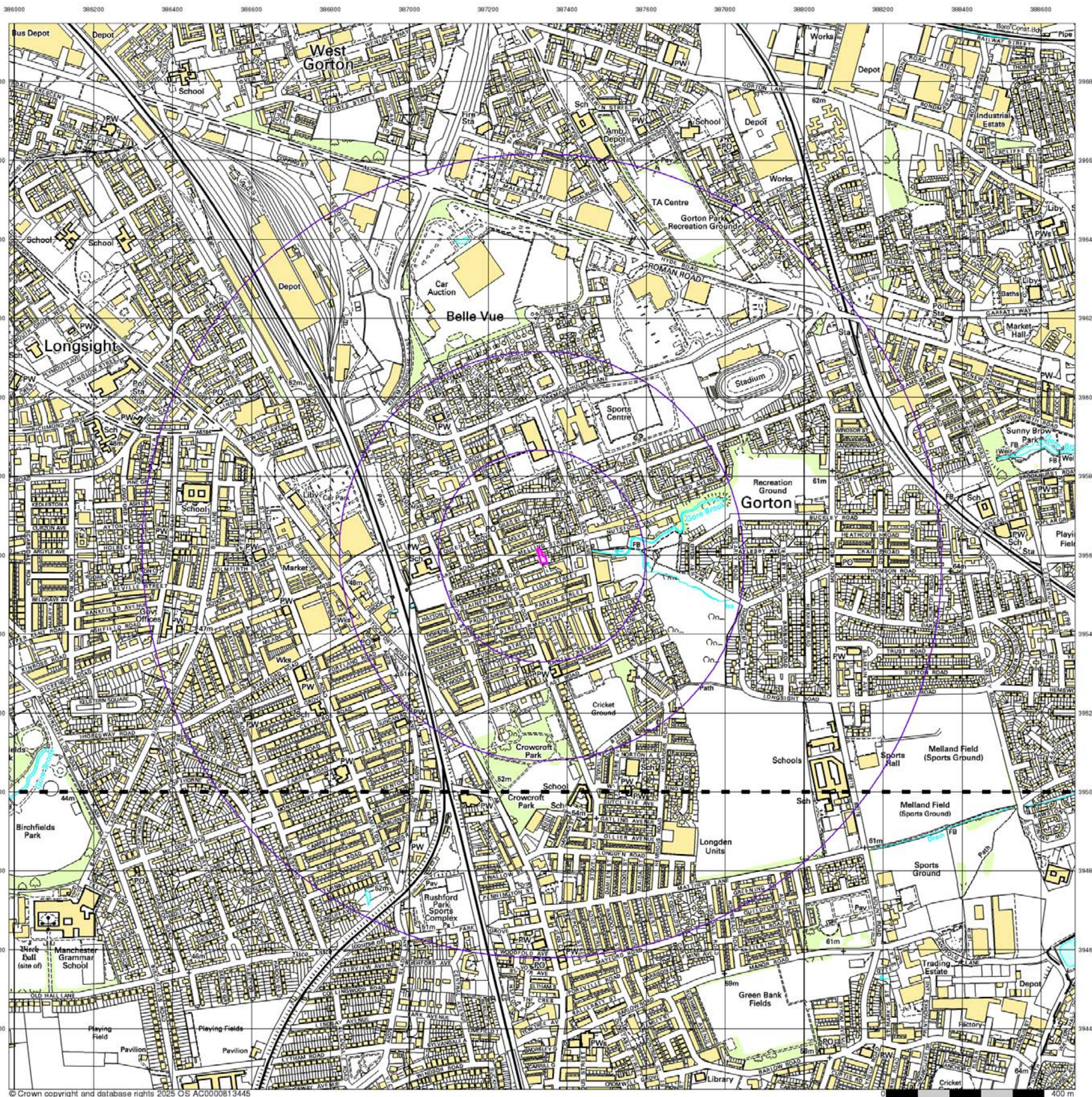
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

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## 10k Raster Mapping

### Published 2006

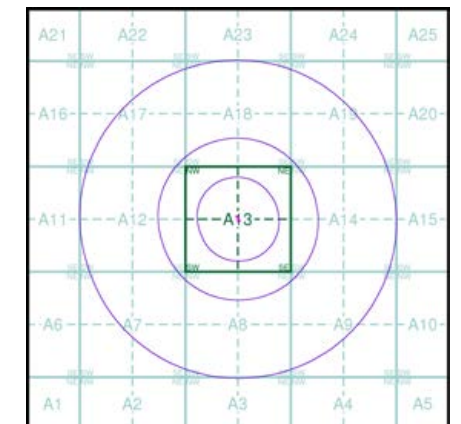
### Source map scale - 1:10,000

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

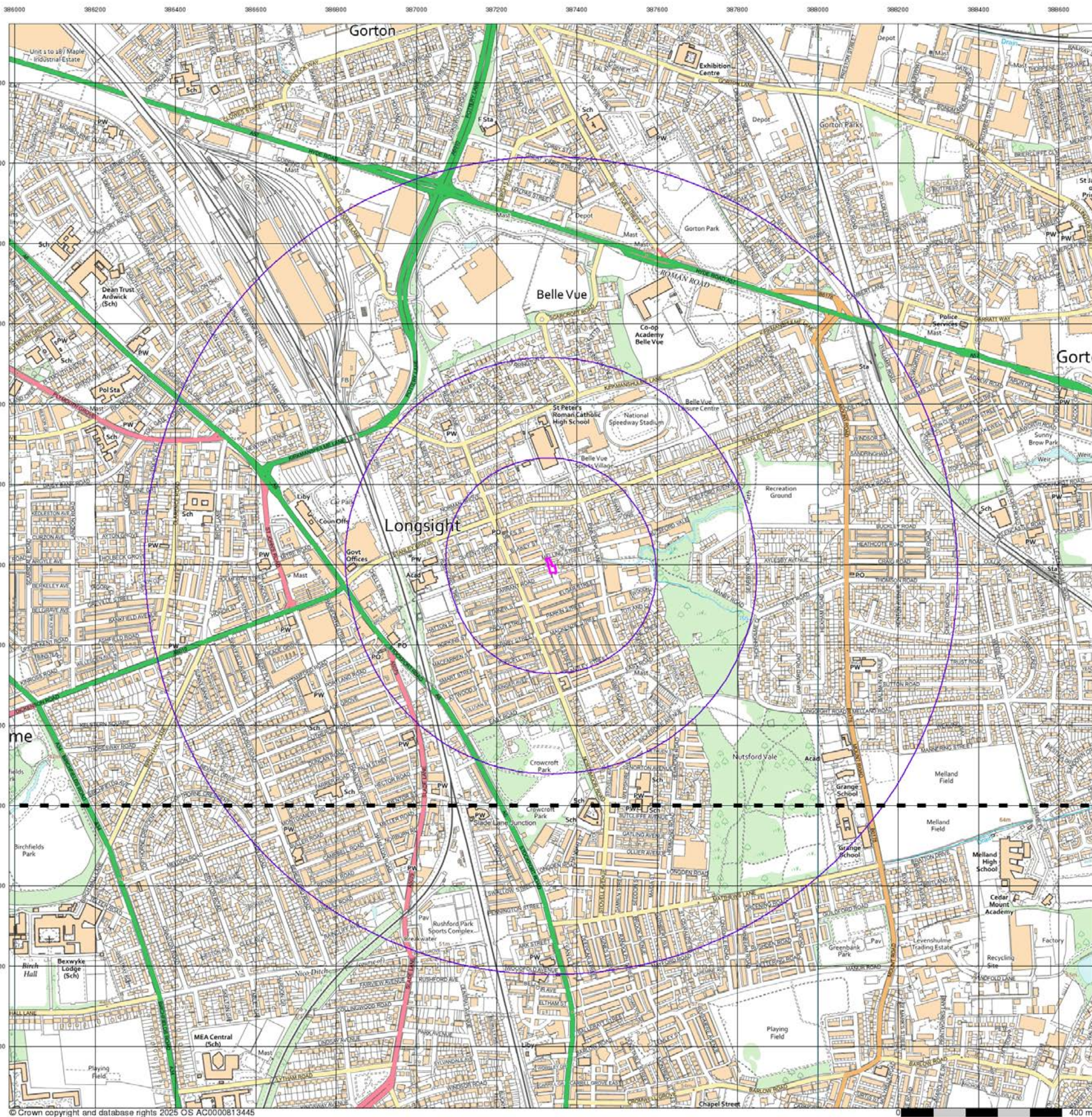
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

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## VectorMap Local

Published 2025

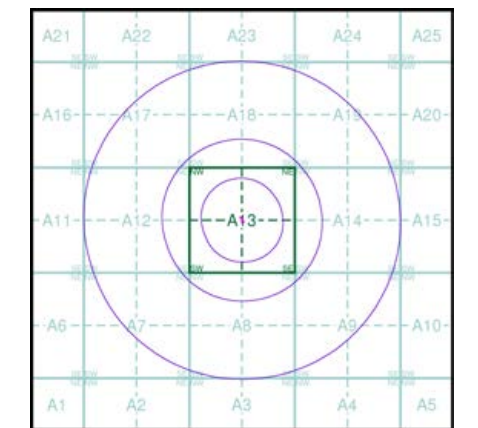
Source map scale - 1:10,000

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  
2025  
Variable  
SJ89SE  
2025  
Variable

## Historical Map - Slice A



## Order Details

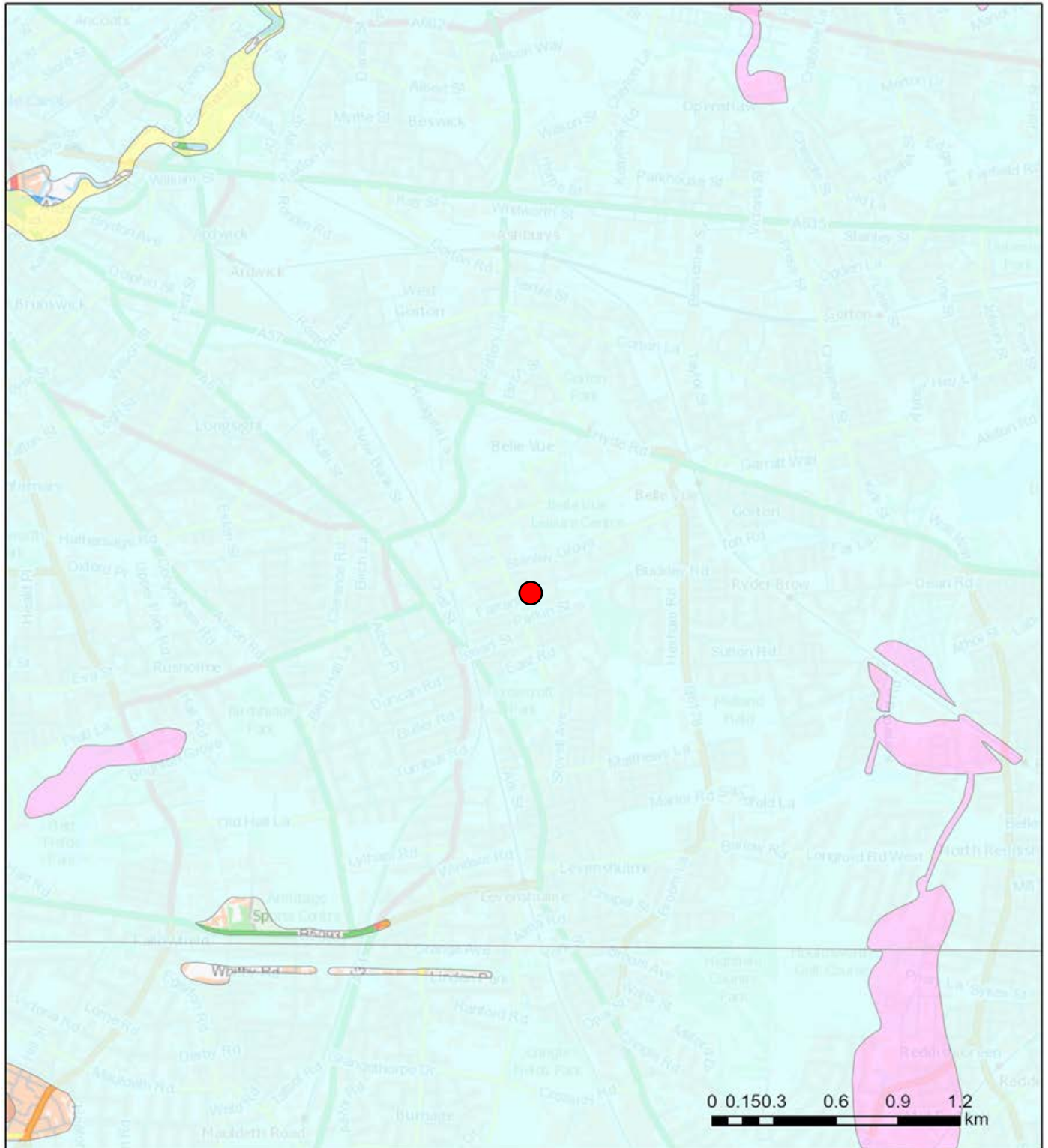
Order Number: 391217610\_1\_1  
Customer Ref: ES011225  
National Grid Reference: 387340, 395600  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

## Site Details

30, Melling Street, Manchester, M12 4PH

## Appendix D – Geological Maps

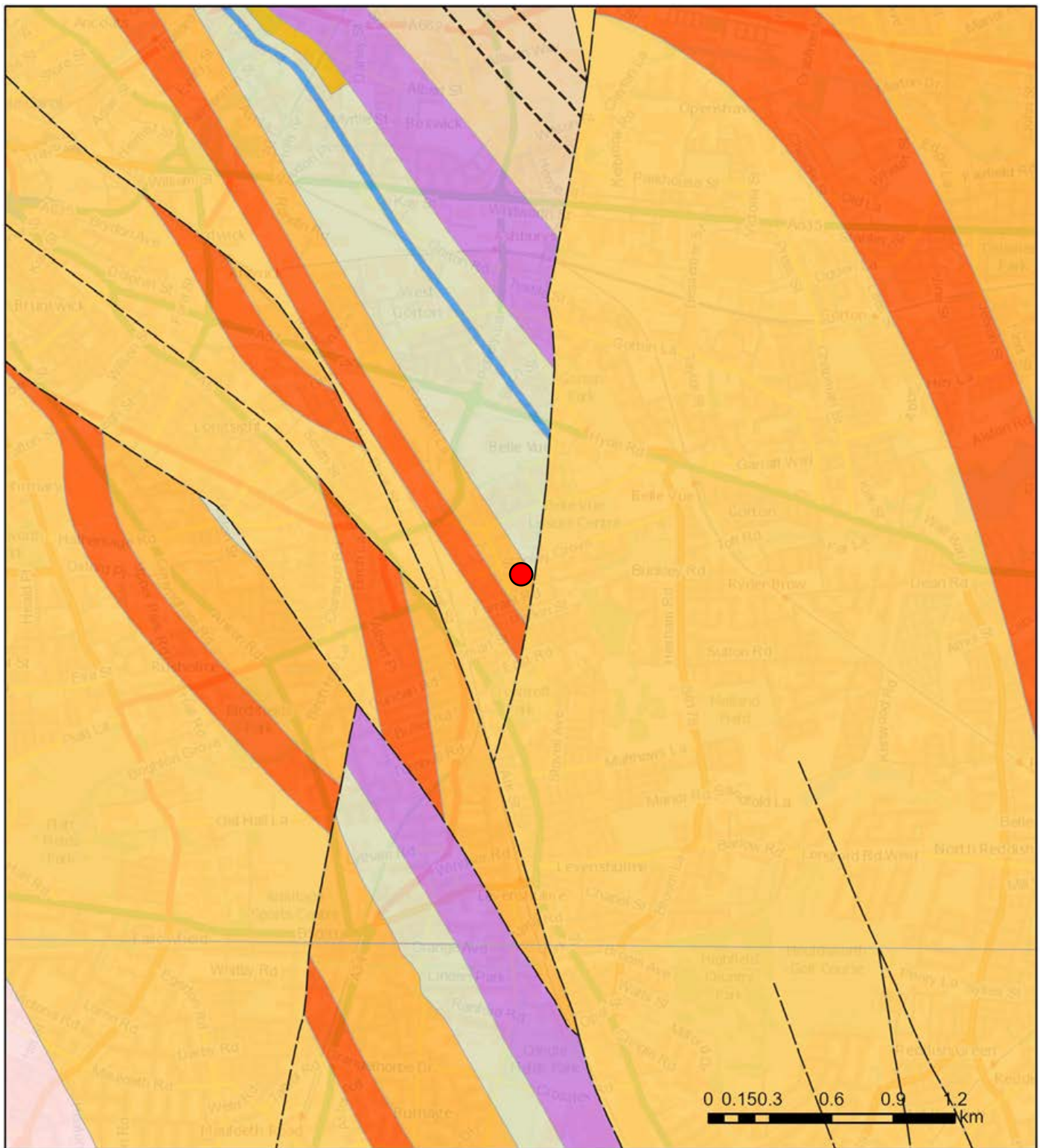
### Superficial Geology



Superficial deposits 1:50,000 scale

|                                                                                   |                                                                                      |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  | <a href="#"><u>Glaciofluvial deposits, Devensian-Sand and gravel</u></a>             |
|  | <a href="#"><u>Glaciofluvial ice contact deposits, Devensian-Sand and gravel</u></a> |
|  | <a href="#"><u>Glaciofluvial sheet deposits, Devensian-Sand and gravel</u></a>       |
|  | <a href="#"><u>Till, Devensian-Diamicton</u></a>                                     |
|  | <a href="#"><u>Alluvium-Clay, silt, sand and gravel</u></a>                          |
|  | <a href="#"><u>River Terrace Deposits, 1-Sand and gravel</u></a>                     |
|  | <a href="#"><u>River Terrace Deposits (Undifferentiated)-Sand and gravel</u></a>     |
|  | <a href="#"><u>Shirdley Hill Sand Formation-Sand</u></a>                             |
|  | <a href="#"><u>Peat-Peat</u></a>                                                     |

## Bedrock Geology



## Bedrock geology 1:50,000 scale

|                                                                                   |                                                                                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|  | <a href="#"><u>Great Mine Limestone-Limestone</u></a>                                           |
|  | <a href="#"><u>Wilmslow Sandstone Formation-Sandstone</u></a>                                   |
|  | <a href="#"><u>Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone</u></a>  |
|  | <a href="#"><u>Etruria Formation-Sandstone and mudstone</u></a>                                 |
|  | <a href="#"><u>Halesowen Formation-Mudstone, siltstone and sandstone</u></a>                    |
|  | <a href="#"><u>Pennine Upper Coal Measures Formation-Mudstone, siltstone and sandstone</u></a>  |
|  | <a href="#"><u>Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone</u></a> |
|  | <a href="#"><u>Chester Formation-Sandstone</u></a>                                              |
|  | <a href="#"><u>Chester Formation-Pebbly (gravelly) sandstone</u></a>                            |
|  | <a href="#"><u>Collyhurst Sandstone Formation-Sandstone</u></a>                                 |
|  | <a href="#"><u>Blenfire Rock-Sandstone</u></a>                                                  |
|  | <a href="#"><u>Newton Heath Sandstone-Sandstone</u></a>                                         |
|  | <a href="#"><u>Bardsley Rock-Sandstone</u></a>                                                  |
|  | <a href="#"><u>Huncliffe Rock-Sandstone</u></a>                                                 |
|  | <a href="#"><u>Pennine Middle Coal Measures Formation-Sandstone</u></a>                         |
|  | <a href="#"><u>Helsby Sandstone Formation-Pebbly (gravelly) sandstone</u></a>                   |
|  | <a href="#"><u>Openshaw Sandstone-Sandstone</u></a>                                             |
|  | <a href="#"><u>Manchester Marls Formation-Mudstone</u></a>                                      |
|  | <a href="#"><u>Holt Town Sandstone Bed-Sandstone</u></a>                                        |

## Linear features 1:50,000 scale

|                                                                                     |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
|   | Buried_channel_Margin                 |
|  | Coal_seam_Inf                         |
|  | Fault_Inf_Crossmark_on_downthrow_side |
|  | Fault_Inf_Downthrow_unspecified       |
|  | Marine_band                           |

# Appendix E – BGS Borehole Records

Ref: SJ89NE1842

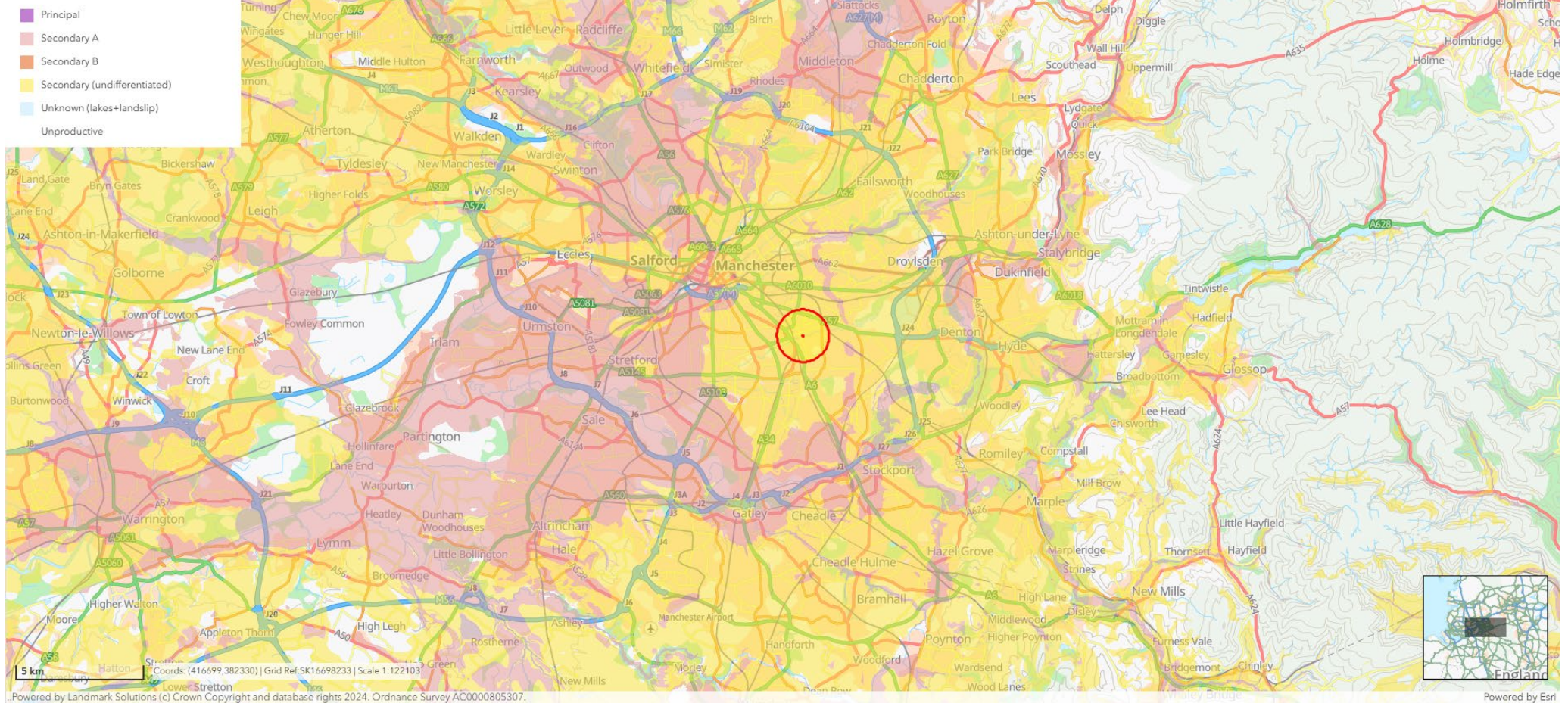
| SITE INVESTIGATION FOR MAIN DRAINAGE                                                                                            |                    |                               |                                 |               | DATE COMMENCED 26.9.84                                                                         |                        |                          |      |              |        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|---------------------------------|---------------|------------------------------------------------------------------------------------------------|------------------------|--------------------------|------|--------------|--------|
| LOCATION NORTHMOOR ROAD REF:                                                                                                    |                    |                               |                                 |               | BORING METHOD SHELL AND AUGER                                                                  |                        |                          |      |              |        |
| BOREHOLE No. 3 (Sheet 1 of 2)                                                                                                   |                    |                               |                                 |               | BORING DIAMETER 200mm 387217                                                                   |                        |                          |      |              |        |
| GRID REFERENCE                                                                                                                  |                    |                               |                                 |               | SCALE: 1 : 50 approx. 395597                                                                   |                        |                          |      |              |        |
| DATE                                                                                                                            | CASING DEPTH (m)   | WATER LEVEL MORNING & EVENING | DEPTH OF STRATA BELOW GL        | Reduced Level | DESCRIPTION                                                                                    | No. and Type of Sample | SAMPLE DEPTH PENETRATION |      | No. of Blows | Legend |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        | From                     | To   |              |        |
| 26.9.84                                                                                                                         |                    |                               | 0.3                             |               | Concrete                                                                                       |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               | Ashes, cinders, brick pieces etc. with clayey zones.                                           | D1                     | 0.5                      |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                | P2                     | 1.15                     | 1.45 | 7            |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                | P3                     | 2.15                     | 2.45 | 10           |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               | 3.6                             |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               | 4.0                             |               | Soft brown sandy CLAY                                                                          |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               | 4.6                             |               | Stiff brown silty and sandy CLAY with grey fissures, stone and coal inclusions.                | U4                     | 4.0                      | 4.45 |              |        |
|                                                                                                                                 |                    |                               | 5.25                            |               | Very stiff brown silty and sandy CLAY with grey fissures, stone and coal inclusions.           | U6                     | 5.0                      | 5.45 |              |        |
|                                                                                                                                 |                    |                               | 5.40                            |               | Clayey SAND and GRAVEL                                                                         |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               | 5.45                            |               | Soft brown very silty and sandy CLAY with grey fissures, stone and coal inclusions.            |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               | Very stiff brown sandy CLAY with stone and coal inclusions.                                    | D7                     | 5.45                     |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                | U8                     | 6.0                      | 6.45 |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                | D9                     | 6.45                     |      |              |        |
| 26.9.84                                                                                                                         | 3.2                | Dry                           |                                 |               |                                                                                                |                        |                          |      |              |        |
| 27.9.84                                                                                                                         | 3.2                | 4.2                           | 7.0                             |               |                                                                                                |                        |                          |      |              |        |
| WATER OBSERVATIONS DURING BORING                                                                                                |                    |                               |                                 |               | WATER LEVEL IN CASED/UNCASED BOREHOLE ON COMPLETION                                            |                        |                          |      |              |        |
| DEPTH OF WATER ENTRY (m)                                                                                                        | ESTIMATED SEE PAGE | STANDING LEVEL (m)            | DEPTH OF CASING WHEN SEALED (m) | DATE          | WATER LEVEL                                                                                    | DEPTH OF CASING        |                          |      |              |        |
| 4.8                                                                                                                             | Veryslow           | 4.8                           |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
|                                                                                                                                 |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
| REMARKS:—                                                                                                                       |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
| SAMPLE TEST KEY                                                                                                                 |                    |                               |                                 |               | D – DISTURBED SAMPLE B – BULK SAMPLE U – UNDISTURBED SAMPLE<br>P – SPT SAMPLE W – WATER SAMPLE |                        |                          |      |              |        |
| NOTE: WHERE FULL 0.3 PENETRATION HAS NOT BEEN ACHIEVED, THE NUMBER OF BLOWS FOR THE QUOTED PENETRATION IS GIVEN (NOT N – VALUE) |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
| ALL DEPTHS AND REDUCED LEVELS IN (m) UNLESS OTHERWISE STATED                                                                    |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
| REMARKS                                                                                                                         |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |
| Trial hole excavated to 1.0m below ground level.                                                                                |                    |                               |                                 |               |                                                                                                |                        |                          |      |              |        |

| SITE INVESTIGATION FOR MAIN DRAINAGE |                  |                               |                          |               |                                                                                       | DATE COMMENCED         |                          |       |              |        |  |                                                                                       |     |       |       |  |  |
|--------------------------------------|------------------|-------------------------------|--------------------------|---------------|---------------------------------------------------------------------------------------|------------------------|--------------------------|-------|--------------|--------|--|---------------------------------------------------------------------------------------|-----|-------|-------|--|--|
| LOCATION NORTHMOOR ROAD              |                  |                               |                          | REF:          |                                                                                       | BORING METHOD          |                          |       |              |        |  |                                                                                       |     |       |       |  |  |
| BOREHOLE No. 3 (Sheet 2 of 2)        |                  |                               |                          |               |                                                                                       | BORING DIAMETER        |                          |       |              |        |  |                                                                                       |     |       |       |  |  |
| GRID REFERENCE                       |                  |                               |                          |               |                                                                                       | SCALE:                 |                          |       |              |        |  |                                                                                       |     |       |       |  |  |
| DATE                                 | CASING DEPTH (m) | WATER LEVEL MORNING & EVENING | DEPTH OF STRATA BELOW GL | Reduced Level | DESCRIPTION                                                                           | No. and Type of Sample | SAMPLE DEPTH PENETRATION |       | No. of Blows | Legend |  |                                                                                       |     |       |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       |                        | From                     | To    |              |        |  |                                                                                       |     |       |       |  |  |
| 27.9.84                              |                  |                               | 10.00                    |               | Stiff brown silty and sandy CLAY (laminated in parts) with stone and coal inclusions. | U10                    | 7.3                      | 7.75  |              |        |  |                                                                                       |     |       |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       | D11                    | 7.75                     |       |              |        |  |                                                                                       |     |       |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       | U12                    | 8.4                      | 8.85  |              |        |  |                                                                                       |     |       |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       | D13                    | 8.85                     |       |              |        |  |                                                                                       |     |       |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       | U14                    | 9.5                      | 9.95  |              |        |  |                                                                                       |     |       |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       | D15                    | 9.95                     |       |              |        |  |                                                                                       |     |       |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       | 27.9.84                |                          | 11.65 |              |        |  | Stiff to very stiff brown silty and sandy CLAY with stone inclusions and sand lenses. | U16 | 10.4  | 10.85 |  |  |
|                                      |                  |                               |                          |               |                                                                                       |                        |                          |       |              |        |  |                                                                                       | D17 | 10.85 |       |  |  |
|                                      |                  |                               |                          |               |                                                                                       |                        |                          |       |              |        |  |                                                                                       | U18 | 11.2  | 11.65 |  |  |
|                                      |                  |                               |                          |               |                                                                                       |                        |                          |       |              |        |  |                                                                                       | D19 | 11.65 |       |  |  |
|                                      |                  |                               |                          |               | W20                                                                                   | 4.2                    |                          |       |              |        |  |                                                                                       |     |       |       |  |  |

## Appendix F – Hydrogeology Maps

### Superficial Aquifer

Aquifer Designation Map (Superficial Drift)



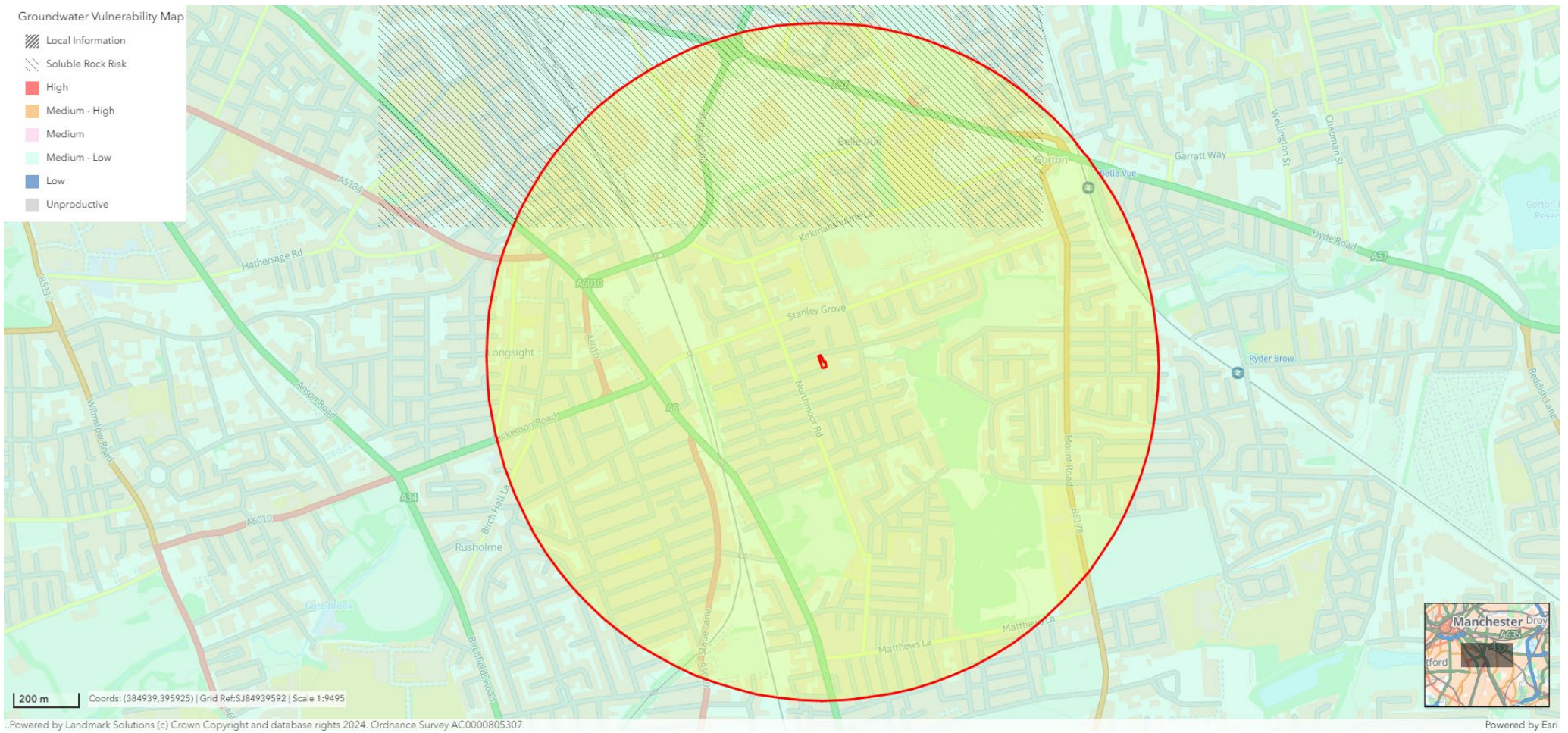
Bedrock Aquifer

Aquifer Designation Map (Bedrock)

- Principal
- Secondary A
- Secondary B
- Secondary (undifferentiated)
- Unproductive



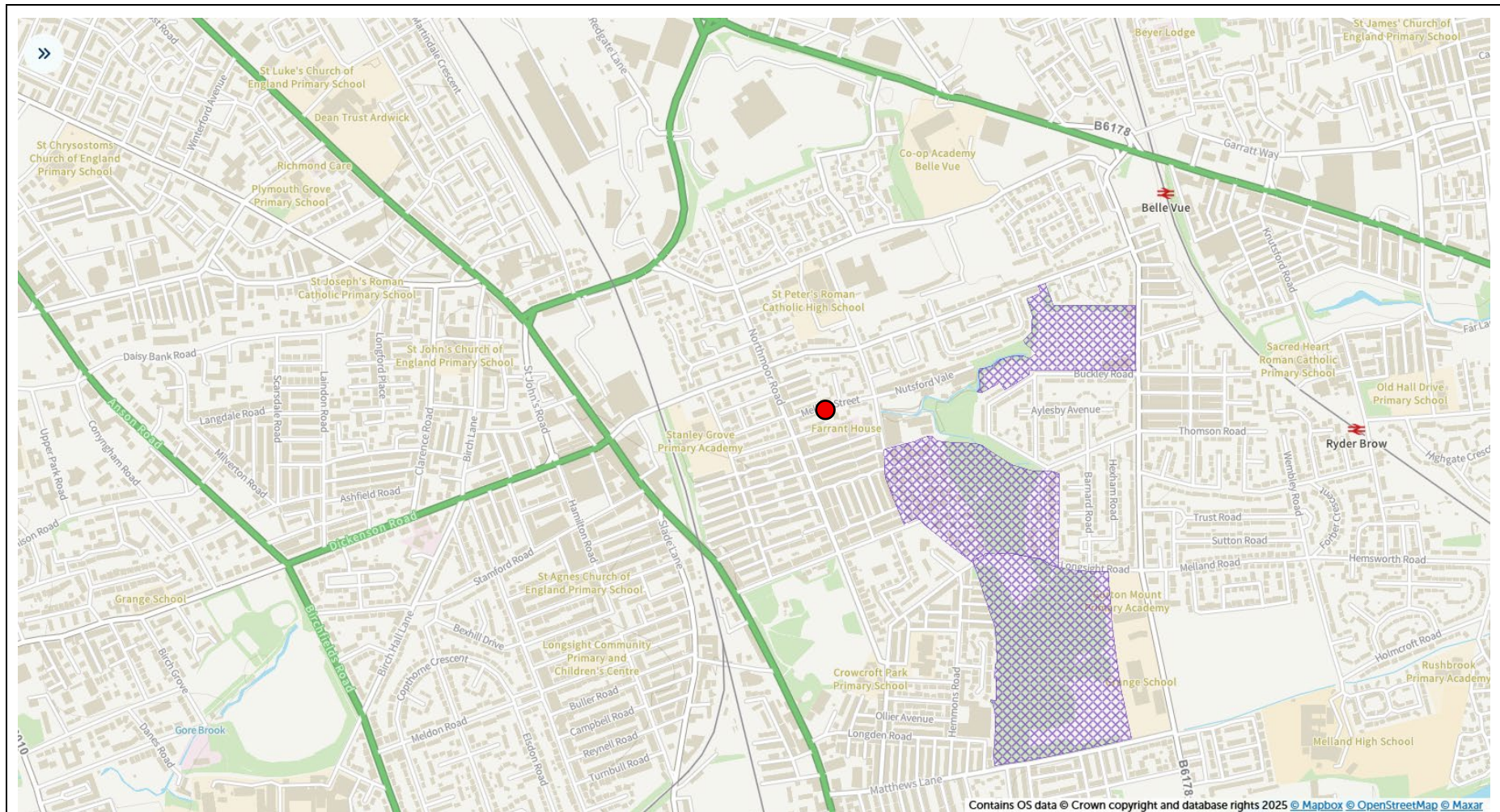
## Groundwater Vulnerability



## Appendix G – Flood Risk Map



## Appendix H – Historic Landfill Map



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Historic Landfill Map