



**PHASE I PRELIMINARY RISK ASSESSMENT
OF LAND AT
48 OVERLEA DRIVE
MANCHESTER**

Prepared for: -

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1.0 INTRODUCTION

1.1 Instruction

- 1.1.1 GeoCon Site Investigations Ltd (GeoCon) have been commissioned by Barcx Ltd to undertake a Phase I Preliminary Risk Assessment (PRA) on land at 48 Overlea Drive, Manchester, M19 12U.
- 1.1.2 It is understood that a PRA is required to assist with a planning application for a proposed residential development at the site.
- 1.1.3 This report is therefore provided to establish the potential for contamination at the site as a result of current and historic land uses both on site and within influencing distance of the site, to understand the potential type of contamination that may be present and to identify the ground conditions and provide details of the engineering properties of the underlying soils and rocks encountered with subsequent recommendations on suitable foundation solutions the proposed development.
- 1.1.4 This report is written in accordance with the guidance set out in Land Contamination Risk Management (LCRM), Guiding Principles for Land Contamination (GPLC) 1 – 3, and the National Planning Policy Framework (NPPF).

1.2 Scope of Works

- 1.2.1 Prior to commencing the site works the proposed scope of investigation was as follows, however the proposed scope will be subject to change dependent upon site conditions, access, restrictions and obstructions.
 - To undertake a site walkover and reconnaissance.
 - To appraise the land use history of the site by the examination of available historical plans.
 - To assess the environmental setting of the site with specific reference to geology, mining & quarrying, hydrogeology and hydrology.
 - To gain an understanding of any concerns of the regulatory authorities (Local Authority Planning, Building Control and Environmental Health departments and the Environment Agency) regarding local land filling, flooding, mining, quarrying and other concerns.
 - To produce a Preliminary Conceptual Site Model (CSM).

1.3 Previous Investigations

- 1.3.1 GeoCon have not been provided with any previous investigation reports and are unaware that any have been carried out to date.

1.4 Reliance and Limitations

- 1.4.1 This report has been prepared using published information and information provided by the Client and their professional advisers which has been made available to GeoCon at the time of writing only. GeoCon accepts no liability for any changes resulting from new information which has become available since this time.
- 1.4.2 This report is provided for the sole use of the client and their professional advisors and is confidential to them unless agreed otherwise in writing. This report may only be used and relied on once the work has been paid for in full. GeoCon owes no duty of care and has no liability to any third party who is not authorised by GeoCon to use this report. Any unauthorised third parties using information contained in this report do so at their own risk.
- 1.4.3 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, resulting from potential contamination at the site, based on the proposed development. Should any revisions in the development proposals result in a change in any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.

- 1.4.4 Whilst this report may reference observations made regarding the presence of features/ issues such as invasive species, Asbestos Containing Materials (ACM), site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to GeoCon so that we may determine if this has any impact on the findings of this report.
- 1.4.5 The assessment and interpretation of the factual data obtained as part of this Phase I Preliminary Risk Assessment has been undertaken in accordance with standard consulting practise and with current national and international guidance.
- 1.4.6 This report presents the observations made during the Phase I Preliminary Risk Assessment and the factual data obtained. The conclusions and recommendations in this report are limited to those which can be made based on the findings of the survey and information provided by third parties. GeoCon assumes all third-party data to be true and correct. No responsibility can be accepted by GeoCon for inaccuracies in the information provided by any other party.
- 1.4.7 This report is written in the context of an agreed scope of works and should not be used in a different context. Furthermore, new information, improved practises, and changes in legislation may require the reinterpretation of the report in whole or in part after its original issue. GeoCon reserve the right to alter their conclusions and recommendations in the light of further information that may become available.
- 1.4.8 It should be noted that ground conditions including contaminant concentrations and groundwater levels may vary spatially with time. This factor should be given due consideration in the event that the information contained within this report is used after any significant period of time has elapsed.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

- 2.1.1 The site is located at 48 Overlea Drive, Manchester, at approximate National Grid Reference NGR: 386350 : 392000 (centre of the site).
- 2.1.2 A site location plan is presented as Drawing No. GSI 1861/01 in Appendix A.

2.2 Site Reconnaissance

- 2.2.1 A site reconnaissance was carried out on the 19th of March. Details from the site walkover are included in the site description below.

2.3 Site Description

- 2.3.1 The site is an irregular shaped piece of land with an approximate area of 0.03Ha.
- 2.3.2 The topography of the site is generally flat.
- 2.3.3 The site is currently occupied by a two-storey semi-detached brick built residential property with associated driveway and garden areas. The sites boundaries are defined by a mixture of hedge rows and fencing. Semi-mature conifers are along the western and part of the southern boundaries. A small storage/shed unit is also situated in the rear garden area.
- 2.3.4 The front (north) of the property comprises a concrete driveway. The rear (south) garden area of the site is predominantly surfaced with paving slabs. The western area of the site is soft landscaped with grass and sapling to semi-mature trees.
- 2.3.5 Immediately to the west of the site is a soft landscaped area which is mostly grassed with a number of trees.
- 2.3.6 An approximate distribution of the surface covering is given below in Table 2.1: Site Surface Covering.

Table 2.1: Site Surface Covering

Type of Surface Cover	Distribution (%)
Soft Ground (grassed and landscaped areas)	40
Hardstanding	10
Roadways	0
Buildings	50
Water (ponds, streams)	0

- 2.3.7 The site is bound by Overlea drive to the north, Southholme Gardens to the west and residential properties to the east and south.
- 2.3.8 Access to the site is directly off Overlea drive to the north.
- 2.3.9 A selection of photographs from the site walkover are presented as GSI 1861/03-04 in Appendix A.

2.4 Surrounding Area

- 2.4.1 The current surrounding land use to the site is generally residential properties, open green spaces and parks.in all directions.
- 2.4.2 The topography of the surrounding area is seen to be generally flat, with a slight decline in elevation to the east.

2.5 Future Site Usage

- 2.5.1 It is currently proposed to construct and renovate the existing two storey residential property into two, two storey developments with an attic conversion. This will include the demolition of the conservatory

currently on site and a new extension constructed, as shown on the client drawings (ref: T-0123-1-0002 to T-0123-1-0220) and contained with Appendix A.

- 2.5.2 This assessment has been carried out with reference to this proposed development plan as provided by the client, any changes to the proposed development may result in this assessment requirement updating.

3.0 SITE HISTORY

3.1 General

- 3.1.1 The history of the site has been determined from available historical maps obtained as part of the Envirocheck Report and via the Envirocheck Analysis online historical mapping tool. The history of the site and of the surrounding area is summarised overleaf in Table 3.1: Site History. It should be noted that some of the maps come with little to no coverage.
- 3.1.2 The information presented overleaf in Table 3.1: Site History, is given based on the distance and direction from the closest point of each feature to the site. The table presents the data broken down into the following categories: - feature; the potential use of each feature where applicable; the date each particular feature is first observed; the direction of each feature from the site; the approximate distance of each feature from the site; the approximate area of each feature; and any other relevant information regarding the site and surrounding area in general.

3.2 Aerial Photography

2000 Aerial Photograph:

- 3.2.1 The 2000 aerial photography shows the site to be occupied by the existing semi-detached residential property. The surrounding area fully developed with residential properties and outdoor recreational areas.

Recent Aerial Photograph:

- 3.2.2 Recent aerial photography shows the site has remained the same since 2000 and the surrounding area is still within an urban setting and is occupied by predominantly residential properties with associated highway network and open green spaces.

Table 3.1: Site History

Feature	Date first observed	Date no longer shown	Direction (from site)	Distance (from site)	Area (m ²)	General notes
Building	1934	Present Day	SE	0	113	Semi-detached residential property located on the east boundary of the site.
Pit	1848	1922	SW	14	687	Becomes a marsh in 1907. Infilled with unknown material.
Pond	1848	1922	N	24	112	Becomes a marsh in 1907. Infilled with unknown material.
Pond	1848	1922	NW	25	101	Becomes a marsh in 1907. Infilled with unknown material.
Pit	1848	1934	N	110	144	Infilled with unknown material.
Marsh	1848	1907	N	128	613	Infilled with unknown material.
Marsh	1848	1934	SE	176	224	Infilled with unknown material.
Pond	1922	1934	E	234	100	Infilled with unknown material.
Marsh	1848	1934	NE	244	537	Becomes a marsh in 1907. Infilled with unknown material.
Site and surrounding area in general	From the earliest mapping records (1848), the site appears to be located within an agricultural field west of the small village of Green End. There are several ponds and pits located around the site. The site and surrounding area remain relatively unchanged until 1922 when the L&N.W. railway is built approximately 400m west of the site, then between 1922 and 1934 there are rapid development of residential housing, with associated roads and open green spaces. A semi-detached residential property is constructed by 1934 on the site and remains in this configuration until the present day.					

4.0 ENVIRONMENTAL SETTING

4.1 General

- 4.1.1 A number of third parties have been approached to collate information relating to the site, its environmental setting, and any issues pertaining. The following third-party sources have been utilised which are outlined in Table 4.1: Sources of Information:

Table 4.1: Sources of Information

Source	Information
Landmark	Envirocheck Report Geology Report
British Geological Survey (BGS)	BGS Open Geoscience online geological mapping tool
Ordnance Survey	OS Open Data online mapping tool
Coal Authority	Online Gazetteer of England and Wales Coal Authority Interactive Viewer
Environment Agency (EA) Online	Water Quality Data and Aquifer designation

- 4.1.2 The Landmark Envirocheck report is provided in Appendix B.

4.2 Published Geology

- 4.2.1 The British Geological Survey shows the site to be underlain by the geological succession outlined below Table 4.2: Published Geology.

Table 4.2: Published Geology

Geology	Description /strata	BGS General Description (Lexicon)
Artificial	None recorded	N/A
Superficial	Till, Devensian - Diamicton	No BGS description available; however, it is generally described as a silty clay with inclusions of sand and gravels
Bedrock	Chester Formation - Sandstone	Comprises of a brown, horizontally bedded conglomerate with subordinate lenticular beds of trough cross-bedded pebbly sand and sand.

- 4.2.2 No relevant historical BGS borehole records are available for the site.

4.3 Potential Contamination Sources

- 4.3.1 The following potential sources of contamination have been identified.

Fuel Storage

- 4.3.2 There are no fuel station entries within 500m of the site.

Potentially Contaminative Uses

- 4.3.3 There are three contemporary trade directories within 250m of the site. The closest to the site is located approximately 53m to the northeast for Domestic Cleaning services. Remaining pertinent entries include:

- Laundries and laundrettes (Active), 223m east.
- Cargo and Handling Services (Inactive), 226m east.

Local Authority Pollution Prevention and Controls (LAPPCs)

- 4.3.4 There are no LAPPCs on or within 250m of the site.

Hazardous Substances

- 4.3.5 There are no hazardous substance uses recorded within 500m of the site.

Landfills and Waste

- 4.3.6 There are no historical landfills, registered landfills or other waste associated sites within 250m of the site boundary.
- 4.3.7 Information provided by Landmark indicates that there are seven areas within 250m of the site where the potential for infilling is possible. These include seven former ponds or reservoirs that may have been infilled within unknown materials.
- Potentially infilled Land (Water) 37m southwest, last seen in 1894.
 - Potentially infilled Land (Water) 114m north, last seen in 1923.
 - Potentially infilled Land (Water) 191m north, last seen in 1848.
 - Potentially infilled Land (Water) 192m southeast, last seen in 1911.
 - Potentially infilled Land (Water) 224m northwest, last seen in 1848.
 - Potentially infilled Land (Water) 230m west, last seen in 1848.
 - Potentially infilled Land (Water) 249m east, last seen in 1911.
- 4.3.8 There are eight areas identified on the historical maps within 250m of the site where the potential for infilling is possible which include six former ponds or marshes and two pits that are no longer shown on more recent maps indicating that they may have been infilled within unknown materials.
- Pit, 14m southwest, last seen in 1922.
 - Pond, 24m north, last seen in 1922.
 - Pond, 25m northwest, last seen in 1922.
 - Pit, 110m north, last seen in 1934.
 - Marsh, 128m north, last seen in 1907.
 - Marsh, 176m southeast, last seen in 1934.
 - Pond, 234m east, last seen in 1934.
 - Marsh, 244m northeast, last seen in 1934.
- 4.3.9 Made Ground may be present on the site with unknown thickness and composition.

4.4 Radon

- 4.4.1 The Envirocheck report shows the site is located within a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are necessary in the construction of new dwellings or extensions.

4.5 Hydrogeology

Superficial Deposits

- 4.5.1 The Environment Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as Secondary Undifferentiated aquifer which are generally described as having been '*assigned in 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.*' (EA general description).

Bedrock

- 4.5.2 The Environment Agency aquifer classification scheme indicates that the bedrock aquifer designation for the site is classed as Principal Aquifer which are generally described as *‘these are 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. In most cases, principal aquifers are aquifers previously designated as major aquifer’* (EA general description).

Groundwater Abstractions

- 4.5.3 There are eight licenced groundwater abstraction points within 1000m of the site. The nearest to the site is located approximately 902m to the east for Spray Irrigation. There are a further four licensed groundwater abstraction points between 1000 and 2000m of the site for drinking and spray irrigation.
- 4.5.4 The nearest public drinking water abstraction is located approximately 1799m to the northeast of the site.
- 4.5.5 It is possible that there may be private unlicensed water abstractions that exist locally in the area.
- 4.5.6 There are no Source Protection Zones (SPZ) within 2000m of the site.

4.6 Hydrology

- 4.6.1 There are no major surface water courses or features within 250m of the site.
- 4.6.2 There is no EA General Quality Assessment (GQA) data available within relevant distance to the site.
- 4.6.3 There are no discharge consents within 250m of the site. Further details are as follows:
- 4.6.4 There are no pollution incidents to controlled waters within 250m of the site.
- 4.6.5 These are unlikely to have affected the site.

Surface Water Abstractions

- 4.6.6 There are no licensed surface water abstraction points within 1000m of the site.
- 4.6.7 It is possible that there may be private unlicensed water abstractions that exist locally in the area.

4.7 Mining, Subsidence and Foundations

- 4.7.1 There are no BGS recorded mineral sites within 250m of the site boundary
- 4.7.2 The Coal Authority online gazetteer indicates that the site is not located within a coal mining area and that a Coal Authority mining report is not required for the site.
- 4.7.3 The Cheshire Brine Subsidence Compensation Board indicates that the site not located within a brine extraction area.
- 4.7.4 Landmark indicates that the risk from non-coal mining is negligible.
- 4.7.5 The British Geological Survey provide risk ratings for the potential geological hazards outlined below in Table 4.3: Potential Geological Hazards.

Table 4.3: Potential Geological Hazards

Potential Geological Hazard	Hazard Potential
Collapsible Ground	Very low
Compressible Ground	No hazard
Ground Dissolution	No hazard
Landslides	Very low
Running Sands	Very low

Shrinking or Swelling Clay	Very low
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4.8 Flooding

- 4.8.1 Envirocheck indicates that the site is not located within an area at risk of flooding or within 250m of an area at risk of flooding from rivers or sea.
- 4.8.2 Envirocheck indicates that the site is located within 250m of an area at risk of flooding from surface waters (i.e. pluvial – rainfall, sewers, drains etc.).
- 4.8.3 The site lies within an area that may be affected by flooding from groundwater at the surface.

4.9 Environmentally Sensitive Sites

- 4.9.1 There are no Nitrate Vulnerable Zones, Sites of Special Scientific Interest, Areas of Adopted Green Belt or other significant environmentally sensitive sites within 250m of the site.

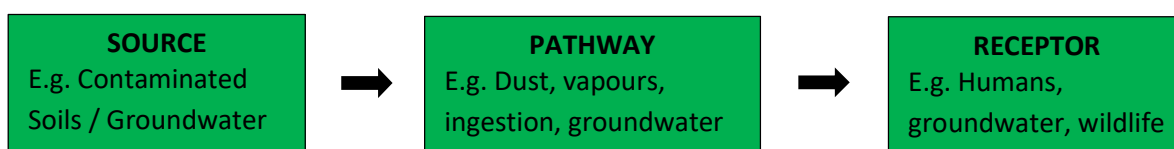
5.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

5.1 Introduction

- 5.1.1 In statutory guidance regarding potentially contaminated land, risk assessments are used as a technique on a site-specific basis to identify potential environmental issues. As recommended by BS 10175 an Initial Conceptual Generic Model has been formulated which defines the 'pollutant linkage' through source, pathway and receptor methodology. All three must be present in order to pose a risk to the end users and to the environment; i.e., if there is no pathway between the source and the receptor, then there is no 'pollutant linkage' and hence negligible risk to the receptor.

5.2 Risk Assessment Methodology

- 5.2.1 The purpose of a Phase I Preliminary Risk Assessment (PRA) is to obtain information regarding the site to gain a preliminary understanding of potential environmental issues and the potential for land contamination. This information includes existing and proposed site uses, the history of the site and surrounding area, and the environmental setting. The information obtained is used to develop a Conceptual Site Model (CSM), which describes sources (potential hazards), pathways, and receptors, which may be relevant to the site. The following definitions have been adapted from Part IIA of the Environmental Protection Act (EPA) 1990:



- 5.2.2 **Source** – A source can be defined as a potential contaminant, substance, or condition that has the potential to cause harm to the environment, humans or other flora and fauna.
- 5.2.3 **Pathway** – A pathway is defined as the route by which a source is brought into contact with a receptor. This can include the transport of contamination via groundwater, wind borne dust, vapours, excavation and deposition, dermal contact, ingestion and inhalation.
- 5.2.4 **Receptor** – Receptors are defined as anything that can be affected by a source such as human beings, flora and fauna, other living organisms, groundwater and surface water, physical systems and built structures.
- 5.2.5 Some of the above, such as groundwater, surface water, flora, and fauna can be considered as both pathways and receptors.
- 5.2.6 A risk may be considered present if all three of the above exist and thereby form a “**pollutant linkage**”.

5.3 Outline Conceptual Site Model

- 5.3.1 As part of this Phase I Preliminary Risk Assessment, the following potential sources, pathways and receptors have been considered and are discussed below.

Potential Sources (on and off site):

- 5.3.2 The following are potential sources of contamination that have been considered: -
- Made Ground / reworked soils and rock beneath the site associated with construction and demolition on site and of the surrounding area.
 - Potential for contamination to have occurred at the site as a result of historical and contemporary land uses and processes on the site and within influencing of the distance.
 - Potential for mobile and leachable contamination at the site associated with historical and contemporary land uses and processes both on site and within influencing of the distance.

- Potential for volatile and semi-volatile contamination at the site associated with historical and contemporary land uses and processes both on site and within influencing of the distance.
- Historic electrical substations on the site and within influencing of the distance.
- Potential for hazardous ground gasses associated with any Made Ground, landfill sites and other areas of potentially infilled land both on site and within influencing distance of the site.

Potential Pathways

5.3.3 The following potential pathways have been identified at the site:

- Ingestion of contaminated soils.
- Inhalation of site generated particulates.
- Dermal contact with contaminated materials.
- Ingestion of home grown produce.
- Inhalation of hazardous ground gasses.
- Build-up of hazardous ground gasses in confined spaces.
- Groundwater.
- Surface water courses within influencing of the distance.

Potential Receptors

5.3.4 The following potential receptors have been identified:

- Current site end users.
- Future site end users.
- Construction workers.
- Members of the public and neighbouring site users.
- Neighbouring land.
- Aquifers and drinking water.
- Surface water courses within influencing of the distance.
- Flora and fauna.
- Other ecosystems.

5.4 Preliminary Risk Assessment

- 5.4.1 The Preliminary Risk Assessment has been evaluated using a probability / consequence matrix, which is provided in Appendix C.
- 5.4.2 The proposed development comprises an extension to the current 2 story residential development with the demolition of a conservatory.
- 5.4.3 The underlying geology of the site and surrounding area is indicated to be till overlying sandstone which are of low and high permeability respectively.
- 5.4.4 The following risk assessment has been based on the above information and the proposed development plan as detailed in Section 2.0.
- 5.4.5 The discussion below assesses the likelihood of potential Contaminants of Concern (CoC's) with a justification on whether they would likely be present.
- 5.4.6 The CSM in Table 5.1 then provides a risk rating for the site.

Land Contamination

- 5.4.7 From the information available, the site itself has had limited historical use. It is therefore likely that Made Ground will be present beneath the site associated with past construction, however it is not expected to be present in any significant thickness. Therefore, the probability for heavy metals, metalloids & inorganics, and PAH to be present on or beneath the site is considered to be **unlikely**.
- 5.4.8 Historical and contemporary land uses likely to produce mobile, organic and leachable contamination both on the site and within influencing distance have not been identified. Considering the distances between the features and the site, and the low permeability of the underlying superficial geology beneath the site, the probability for mobile, organic and leachable contamination to be present at the site is considered to be **unlikely**.
- 5.4.9 Historical and contemporary land uses likely to produce volatile contamination (VOC's & SVOC's) both on the site and within influencing distance have not been identified. Considering the distances between the features and the site, and low permeability of the underlying superficial geology beneath the site, the probability for VOC's & SVOC's to be present at the site is considered to be **unlikely**.
- 5.4.10 There are no known electric substations or other sources of Polychlorinated Biphenyls contamination (PCB's) within influencing distance of the site. Therefore, the probability for PCBs to be present at the site is considered to be **unlikely**.
- 5.4.11 It is possible that further electric substations or former electric substations are present within influencing distance to the site associated with the surrounding area that have not been identified on the historical maps.
- 5.4.12 Asbestos fibres and Asbestos Containing Materials (ACM's) could be present within any Made Ground and or shallow natural soils beneath the site as a result of historic site uses, and phases of construction and demolition. Although the property was built prior to the ban on asbestos, none was reported during site reconnaissance. Therefore, the probability for ACM's to be present at the site is considered to be **unlikely**.
- 5.4.13 Therefore, based on the above, the site history, and the environmental information available, the potential contaminants identified on this site include heavy metals, metalloids & inorganics; PAH's; and the risk to human health is considered to be **Very Low**.

Hazardous Ground Gasses

- 5.4.14 There are no historical landfills, registered landfills or other waste associated sites within 250m of the site boundary.
- 5.4.15 There are at least fifteen areas where the potential for infilling is possible, including two pits and thirteen ponds and marshes. However, these are infilled approximately 100 years ago, and considered likely that any ground gas generation to have ceased.
- 5.4.16 Considering the distances between the features and the site, and the low permeability of the underlying superficial beneath the site, the probability of hazardous gases being present beneath the site is unlikely, and therefore the risk from hazardous ground gases is considered to be **Low**.
- 5.4.17 Landmark indicates that the site is within a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are necessary in the construction of new dwellings or extensions.

Groundwater

- 5.4.18 There are eight licenced groundwater abstraction points within 1000m of the site and nearest public drinking water abstraction is located approximately 1799m to the northeast of the site. There are no Source Protection Zones (SPZ) within 2000m of the site.
- 5.4.19 The Environment Agency aquifer classification scheme indicates that the superficial aquifer is classed as a Secondary Undifferentiated aquifer and the bedrock aquifer is classed as a principal aquifer.

- 5.4.20 The potential contaminants identified on this site include heavy metals, metalloids and inorganics, and PAH's.
- 5.4.21 Therefore, based on the above, the environmental information available, and considering the low permeability of the underlying superficial geology, the absence of the nearest potable groundwater abstraction point, the probability for contamination at the site to impact the groundwater is unlikely and therefore the risk to groundwater is considered to be **Low**.

Surface Water

- 5.4.22 There are no major surface water courses, EA General Quality Assessment (GQA) data, discharge consents or pollution incidents to controlled waters within 250m of the site.
- 5.4.23 There are no surface water abstractions within 1000m of the site.
- 5.4.24 The potential contaminants identified on this site include heavy metals, metalloids and inorganics, and PAH's.
- 5.4.25 Therefore, based on the above, the environmental information available, and considering the low permeability of the underlying geology, and the lack of surface water features, the probability for contamination at the site to impact the surface water courses is unlikely, and therefore the risk to surface water courses is considered to be **Very Low**.

Plants and Native Grasses

- 5.4.26 Any plants that may be grown at the site in areas of landscaping may potentially be at risk from phytotoxic elements in any artificial soils beneath the site.
- 5.4.27 All plant growth appeared normal across the site during the site reconnaissance.
- 5.4.28 Therefore, based on the above, the site history, and the environmental information available, the potential contaminants identified on this site may include heavy metals, metalloids & inorganics, the risk to plants is considered to be **Very Low**.

Flooding

- 5.4.29 Envirocheck indicates that the site is not located within an area at risk of flooding or within 250m of an area at risk of flooding from rivers or sea.
- 5.4.30 Envirocheck indicates that the site is located within 250m of an area at risk of flooding from surface waters (i.e. pluvial – rainfall, sewers, drains etc.).
- 5.4.31 The site lies within an area that may be affected by flooding from groundwater at the surface.

Water Supply / Plastic Pipes

- 5.4.32 Any organic contamination present in the soils or groundwater beneath the site would pose a risk of premature failure to below ground services via chemical reaction.

Preliminary Conceptual Site Model

- 5.4.33 From the above information a CSM has been produced showing the preliminary conceptual model and potential pollutant linkages for the site and is presented overleaf in Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages.
- 5.4.34 At this stage only contaminants of concern that are considered potentially present from the information available have been included in the CSM.

Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Potential Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground both on site and within influencing distance of the site Current and former land uses both on site and within influencing distance of the site	Heavy metals, sulphates and inorganics PAH's	Ingestion Inhalation Dermal Contact	Human health Including current site users, future site users	Considered potentially active	Unlikely	Mild	Very low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
			Human health Construction workers	Considered potentially active	Low likelihood	Mild	Very low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
			Human health Neighbouring residents	Considered potentially active	Low likelihood	Mild	Very low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Landfill sites Potentially infilled Land (ponds, quarries, reservoirs etc) Made Ground Natural organic soils Coal mining Fuel Stations (on and off-site sources)	Hazardous ground gases including CO₂, CH₄, CO, H₂S Vapours	Inhalation Explosion	Human health Including current site users, future site users, neighbouring residents and constructions workers	Considered potentially active	Unlikely	Severe	Low	There are at least fifteen areas where the potential for infilling is possible. However, these are infilled approximately 100 years ago, therefore any ground gas generation is likely to have ceased. No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
		Explosion	Buildings	Considered potentially active	Unlikely	Medium	Low	

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Potential Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAH's	Lateral and vertical migration and leaching of contaminants into local groundwater	Underlying Aquifer (Potable water)	Considered potentially active	Unlikely	Medium	Low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAH's	Lateral and vertical migration and leaching of contaminants into surface water bodies via permeable strata and features.	Local water courses and associated flora and fauna	Considered inactive	Unlikely	Mild	Very low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Made Ground beneath the site Current and former site uses	Phytotoxic elements	Plant uptake	Plants and vegetation	Considered potentially active	Unlikely	Mild	Very Low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.

6.0 PRELIMINARY GEOTECHNICAL ASSESSMENT

6.1 General

- 6.1.1 The underlying shallow geology is likely to consist of till overlying Chester formation which generally comprise Clay, and sandstone respectively.
- 6.1.2 Made Ground may also be present on site.
- 6.1.3 Based upon the information reviewed, a list of potential geotechnical risks has been outlined below in Table 6.1: Potential Geotechnical Risks, which presents a summary of the likely geotechnical risks potentially present at the site.

Table 6.1: Potential Geotechnical Risks

Features of Concern	Geotechnical Consideration	Geotechnical Risk to Proposed Development	Likelihood
Made Ground	Any potential Made Ground beneath the site.	Made Ground can cause total and differential settlement of any new structures.	Possible
Trees and vegetation	Large mature trees on site or within close proximity to the site boundaries.	Tree roots have the potential to cause clay soils to shrink causing settlement of new structures.	Likely
Shrinkage and expansion of clay soils	Clay soils beneath the site.	Potential for shrinkage and / or heave of clay soils causing damage to new structures.	Possible
Groundwater ingress	Shallow groundwater beneath the site.	Shallow ground water can have an impact on construction and foundation excavations. Pumping and / or dewatering may be required.	Possible
Existing / former foundations and underground structures	New buildings may be situated upon the sites of former demolished buildings or buildings that will be demolished as part of the proposed development.	Uneven founding, inconsistent ground conditions, and unsuitable bearing capacity for new structures.	Possible
Aggressive ground	Chemical content of the soils beneath the site.	Chemically aggressive ground may have the potential to attack buried concrete.	Unlikely
Soft / loose / weak soils and / or rock beneath the site	Unsuitable founding strata beneath the site.	Soft and loose soils or weak rock may be inadequate to found on. A suitable foundation option should be selected based on the actual ground conditions beneath the site.	Possible
Embankments	Unstable slopes and embankments.	Collapse onto or into any new developments	Negligible
Shallow mine workings beneath the site	Coal seams or mine entries present on or beneath the site which may have been worked in the past. Non coal related mining.	Worked mine seams or areas of mineral extraction leave voids underground that have the potential to settle when new loads are placed above them.	Negligible
Ground Dissolution	Dissolution of carbonaceous geology beneath the site.	Carbonaceous ground beneath the site can dissolve over time with groundwater percolating through causing sink holes giving rise to settlement or complete collapse of structures.	Negligible
Brine Extraction	Areas of brine extraction beneath the site at shallow depths.	Affected areas may leave voids underground that have the potential to settle when new loads are placed above them.	Negligible

6.2 Discussion

Structures

- 6.2.1 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage, to give meaningful advice as to the type, nature, and construction of any foundations for the proposed development.
- 6.2.2 A suitable geotechnical site investigation should be carried out at the site to confirm ground conditions, geotechnical parameters, details of the groundwater regime, and other general site details to facilitate suitable foundation and substructure design.

Sustainable Drainage

- 6.2.3 In accordance with National Planning and Policy Framework (NPPF) and Local Planning Guidance, the Local Planning Authority (LPA) will require that surface water drainage from the proposed development complies with current design practices for Sustainable Drainage Systems (SuDS) construction of separate drainage systems for foul and surface water. Surface water shall be required to be attenuated to Greenfield runoff rates or better and attenuation up to the 1 in 100-year storm event plus 40% for climate change will be required on site.
- 6.2.4 Based on the indicative ground conditions encountered it is **unlikely** that soakaways would be suitable at the site, however the presence and thickness (if present) of Made Ground at the site may result in sustainable drainage not being practical or feasible. If sustainable drainage is to be considered, it is recommended that soak-away testing is carried out in accordance with BRE 365 at the site to establish the sites suitability for sustainable drainage.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

Environmental

- 7.1.1 A review of the preliminary information reveals that future end users of the site are potentially at **Very low** risk of being affected by contamination in soils and / or groundwater beneath this site.
- 7.1.2 Risks to construction workers from the site are considered to be **Very Low** at this stage.
- 7.1.3 Risks to neighbouring residents from the site are considered to be **Very Low** at this stage.
- 7.1.4 The risks of hazardous ground gasses affecting the site are considered to be **Low** at this stage.
- 7.1.5 No radon protection measures are necessary in the construction of new dwellings or extensions.
- 7.1.6 The risks to drinking water and groundwater are considered to be **Low** at this stage.
- 7.1.7 The risks to surface waters are considered to be **Very Low** at this stage.
- 7.1.8 Risks to plants and native grasses are considered to be **Low** at this stage.

Geotechnical

- 7.1.9 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage, to give meaningful advice as to the type, nature, and construction of any foundations for the proposed development.
- 7.1.10 Inadequately designed buried concrete may be at risk from potentially elevated sulphates and low pH in the soils and groundwater beneath the site.
- 7.1.11 The site is not considered to be affected shallow coal mining. Therefore, risks from shallow coal mining are considered to be **Very Low** at this stage.
- 7.1.12 The site is not considered to be affected by brine extraction. Therefore, risks from brine extraction are considered to be **Very Low** at this stage.
- 7.1.13 The site is not considered to be affected by ground dissolution. Therefore, risks from brine extraction are considered to be **Very Low** at this stage.
- 7.1.14 Based on the indicative ground conditions identified it is unlikely that sustainable drainage would be suitable at the site, however the presence and thickness (if present) of Made Ground at the site may result in sustainable drainage not being practical or feasible.

7.2 Recommendations

- 7.2.1 No further action is required based on the CSM with respect to the environmental condition of the site.
- 7.2.2 It is recommended that a suitable geotechnical site investigation is carried out at the site to identify the ground conditions to ratify this assessment and provide details of the ground's engineering properties in order to facilitate foundation design for the proposed development.
- 7.2.3 It is recommended that the above conclusions and recommendations are agreed in principle with the Local Planning Authority (LPA) to gain their approval prior to commencement of the development to avoid unnecessary complications or delays at a later stage.

7.3 Other Considerations

Soakaways

- 7.3.1 In accordance with National Planning and Policy Framework (NPPF) and Local Planning Guidance, the LPA will require that surface water drainage from the proposed development complies with current design practices for Sustainable Drainage Systems (SuDS) construction of separate drainage systems for foul and surface water.

- 7.3.2 Soakaway Testing should be considered to determine the suitability for sustainable drainage at the site.

Plastic Water Pipes

- 7.3.3 Any organic contamination present in the soils or groundwater beneath the site would pose a risk of premature failure to below ground services via chemical reaction.
- 7.3.4 Any subsequent Phase II Site Investigation would be primarily concerned with human health risk assessment.
- 7.3.5 Considerations should be given to sampling and chemical analysis of the materials that any plastic water supply pipes will be laid in.
- 7.3.6 It is also likely that the water utilities provider will require their own risk assessment to be completed.

Asbestos Survey

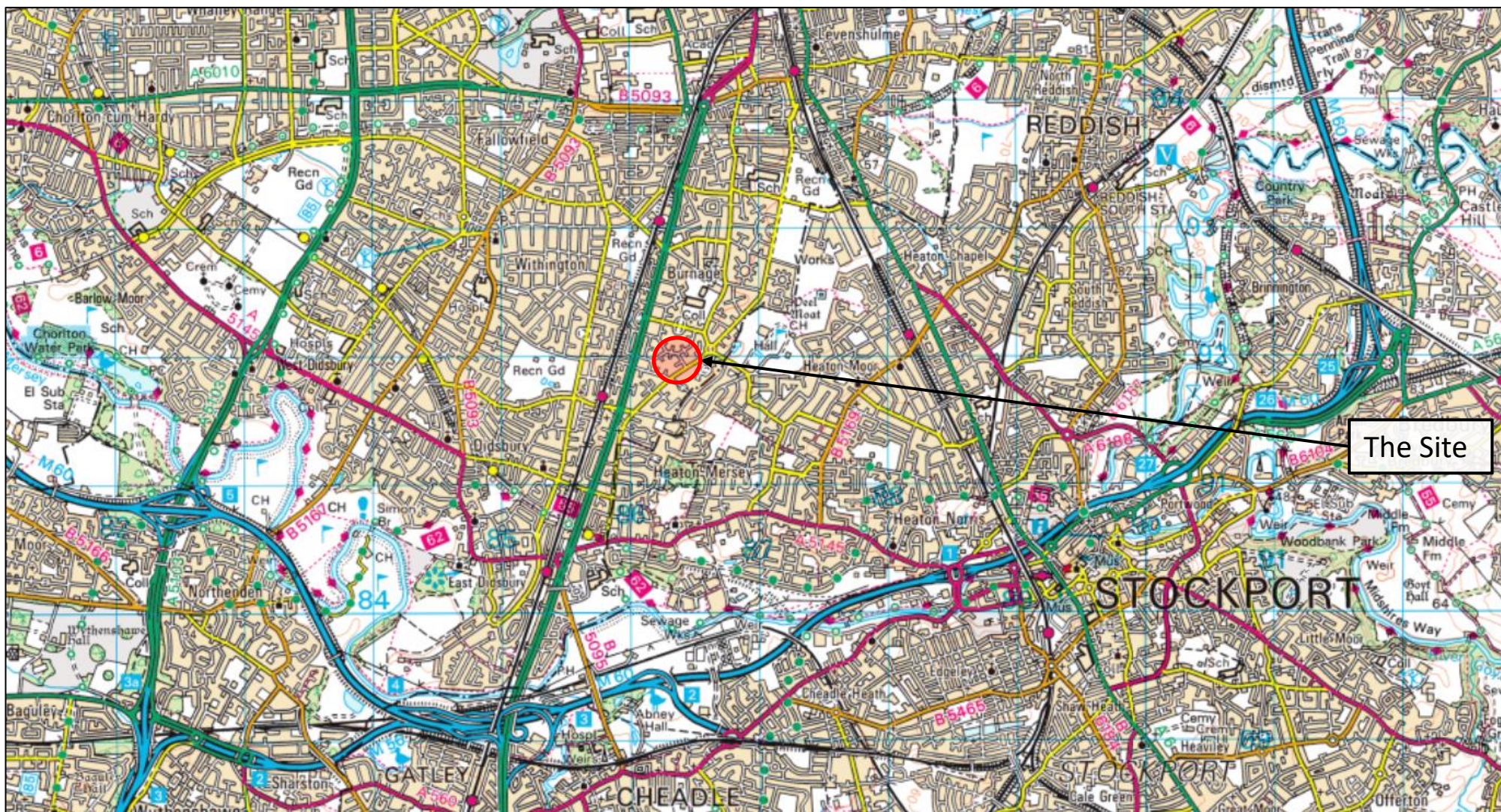
- 7.3.7 Any existing buildings and structures on site will require an Asbestos Survey prior to demolition by a competent asbestos contractor.

8.0 REFERENCES

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- *CIRIA 665: Assessing the Risks Posed by Hazardous Ground Gases for Buildings 2007.*
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- *EN ISO 14688-2: Geotechnical investigation and testing -- Identification and classification of soil -- Part 2: Principles for a classification.*
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- *R&D Publication CLR 8: Assessment of risks to human health from land contamination.*
- *R&D Publication CLR 10: The Contaminated Land Exposure Model (CLEA).*
- *R&D Publication CLR 11: Model Procedure for the Management of Contaminated Land DEFRA 2004.*
- *UK Specification for Ground Investigation Second Edition 2012.*

APPENDIX A

DRAWINGS



The Site



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Tel: 0844 504 3901, Fax: 0844 504 3902,
Email: info@geoconsiteinvestigations.com
Web: www.geoconsiteinvestigations.com

PROJECT ID

GSI 1861 Overlea Drive, Manchester

TITLE

Site Location Plan

DRAWING NUMBER

GSI 1861/01

DATE

March 2023

SCALE

N.T.S

DRAWN BY

LR



1



2



3



4



5



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12



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Tel: 0844 504 3901, Fax: 0844 504 3902,
Email: info@geoconsiteinvestigations.com
Web: www.geoconsiteinvestigations.com

PROJECT ID
GSI 1861 Overlea Drive, Manchester

TITLE
Site walk over Photos

DRAWING NUMBER
GSI 1861/03

DATE
March 2023

SCALE
N.T.S

DRAWN BY
LR



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 Web: www.geoconsiteinvestigations.com

PROJECT ID

GSI 1861 Overlea Drive, Manchester

TITLE

Site walk over Plan

DRAWING NUMBER

GSI 1861/04

DATE

March 2023

SCALE

N.T.S

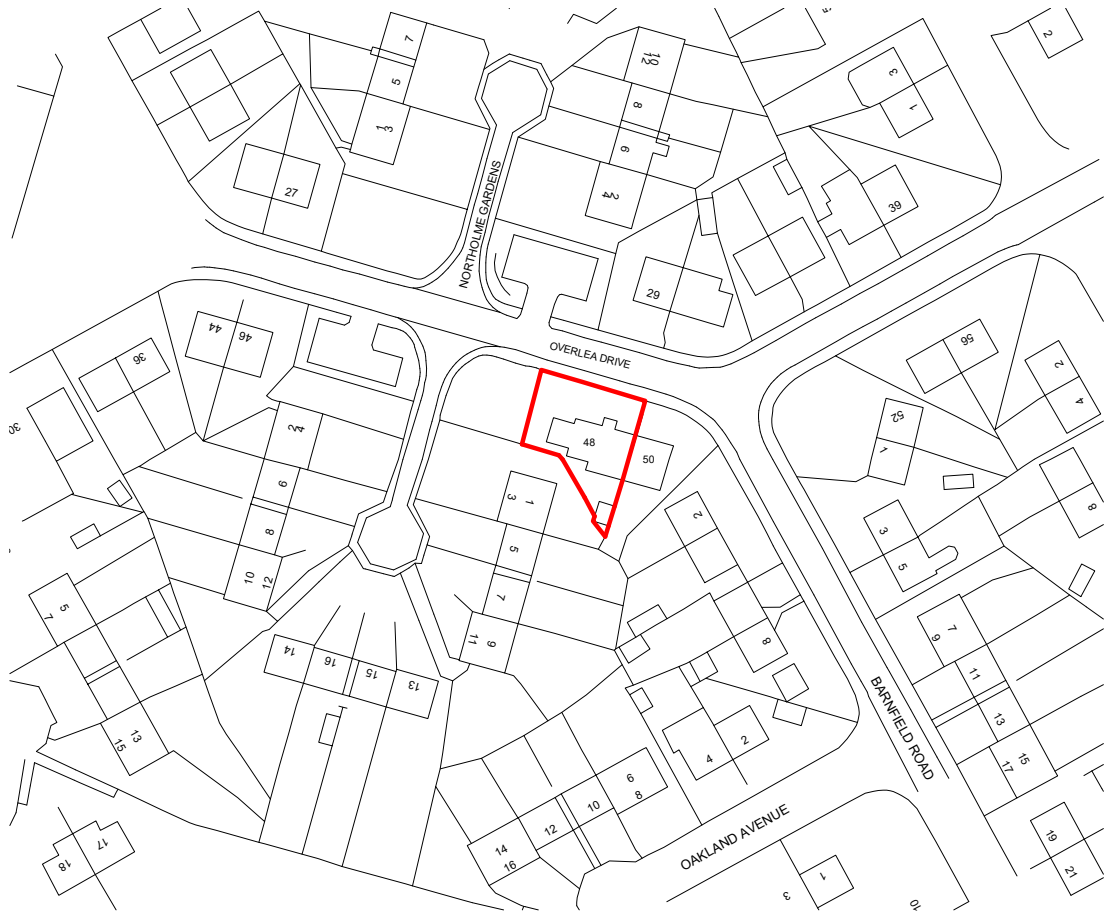
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LR

KEY



SITE BOUNDARY
AND OWNERSHIP
LINE



revision	date	drawn	description
-	10.08.20	TH3M	ISSUED FOR PLANNING



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Site Location Plan
EXISTING

Mr Bilbas
48 Overlea Drive

T-0123-1-0001-Site Location Plan

number revision

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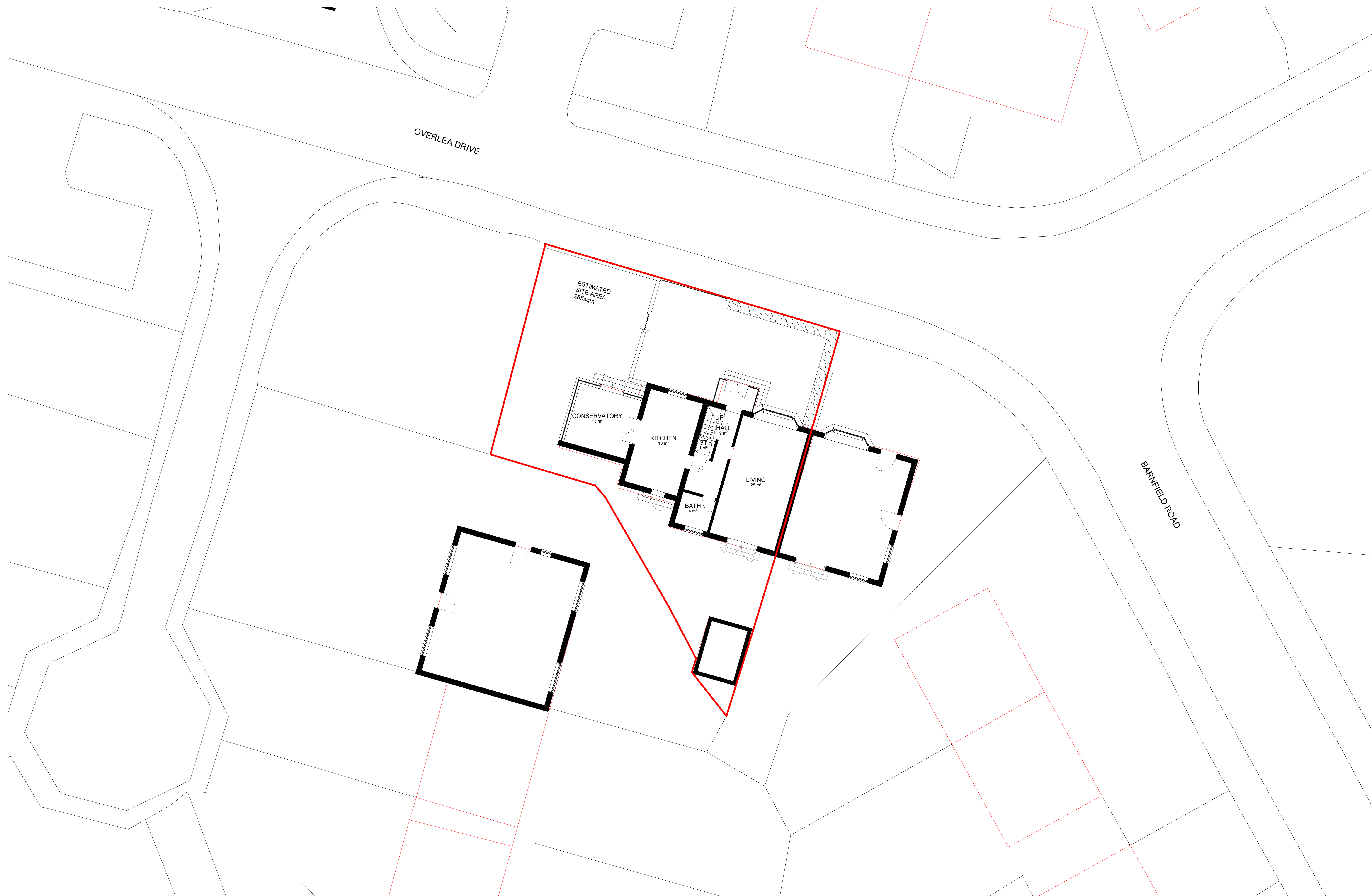
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FOR PLANNING

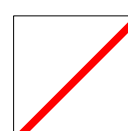


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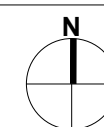
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Site Plan EXISTING

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T-0123-1-0002-Site Plan

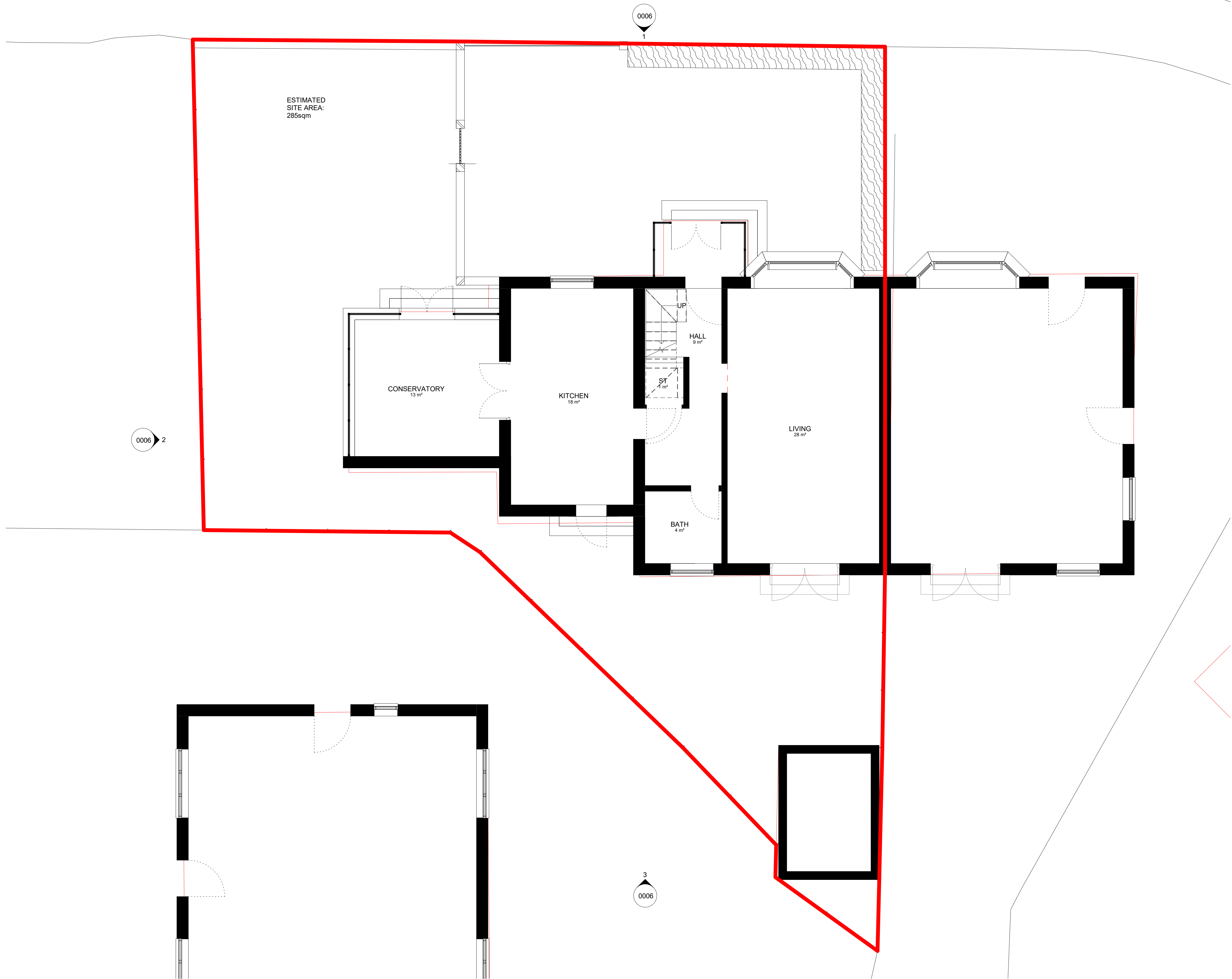
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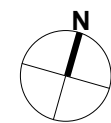
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T H 3 M

0m 1m 2m 3m 4m 5m

Ground Floor Plan
EXISTING

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FOR PLANNING

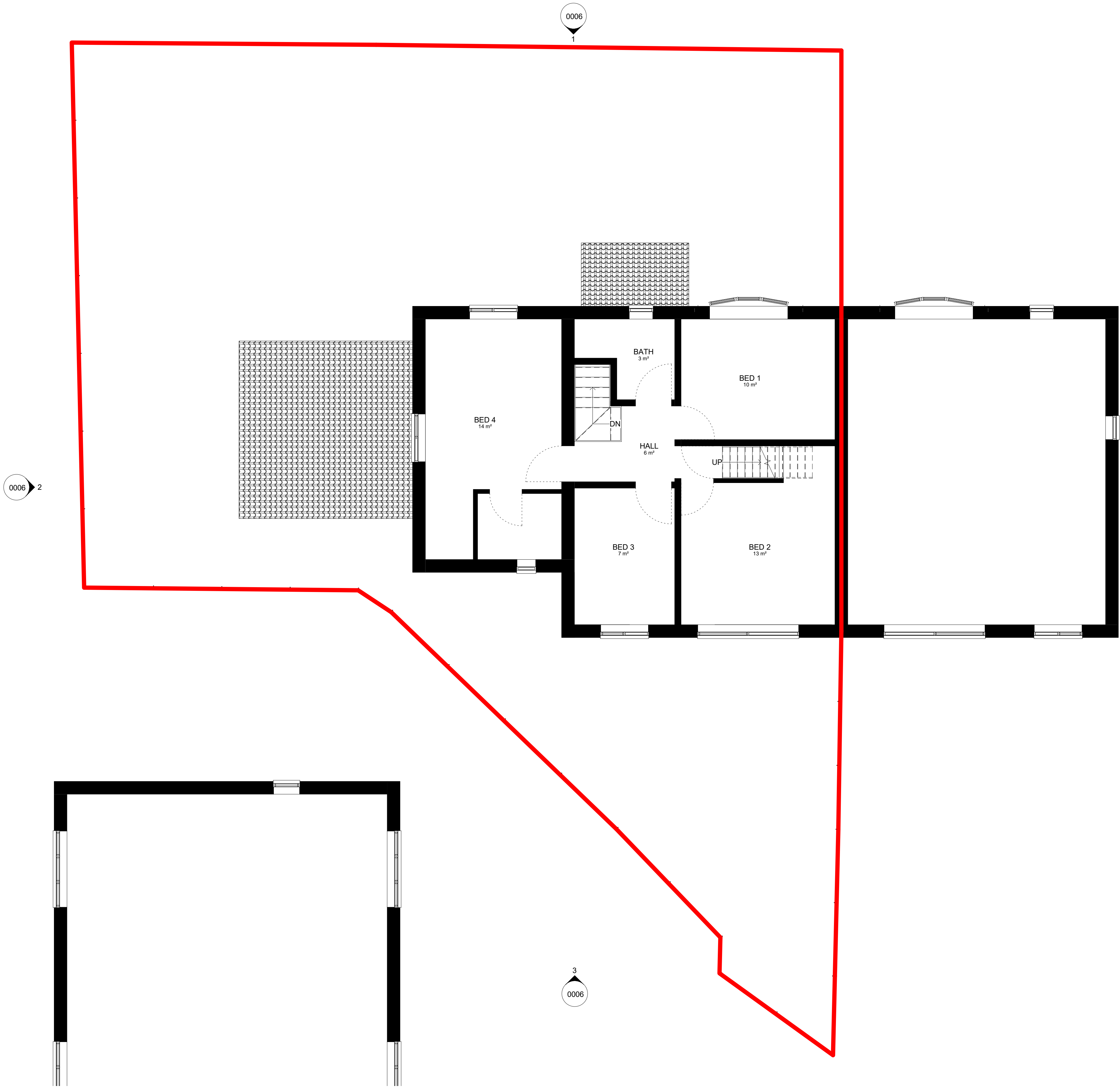
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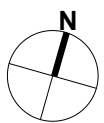


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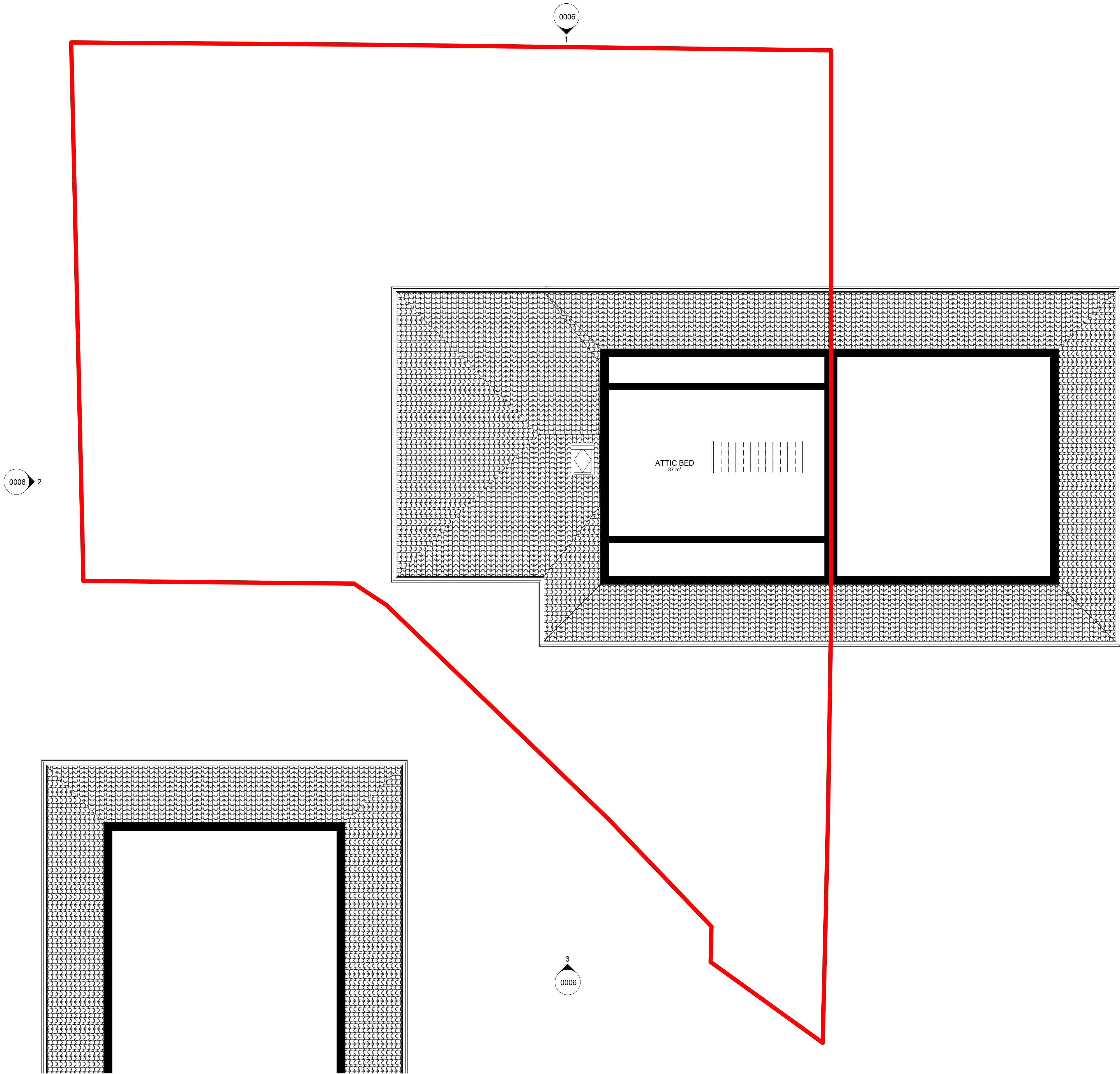
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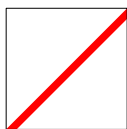
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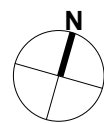
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Second Floor Plan
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T-0123-1-0005-Second Floor Plan

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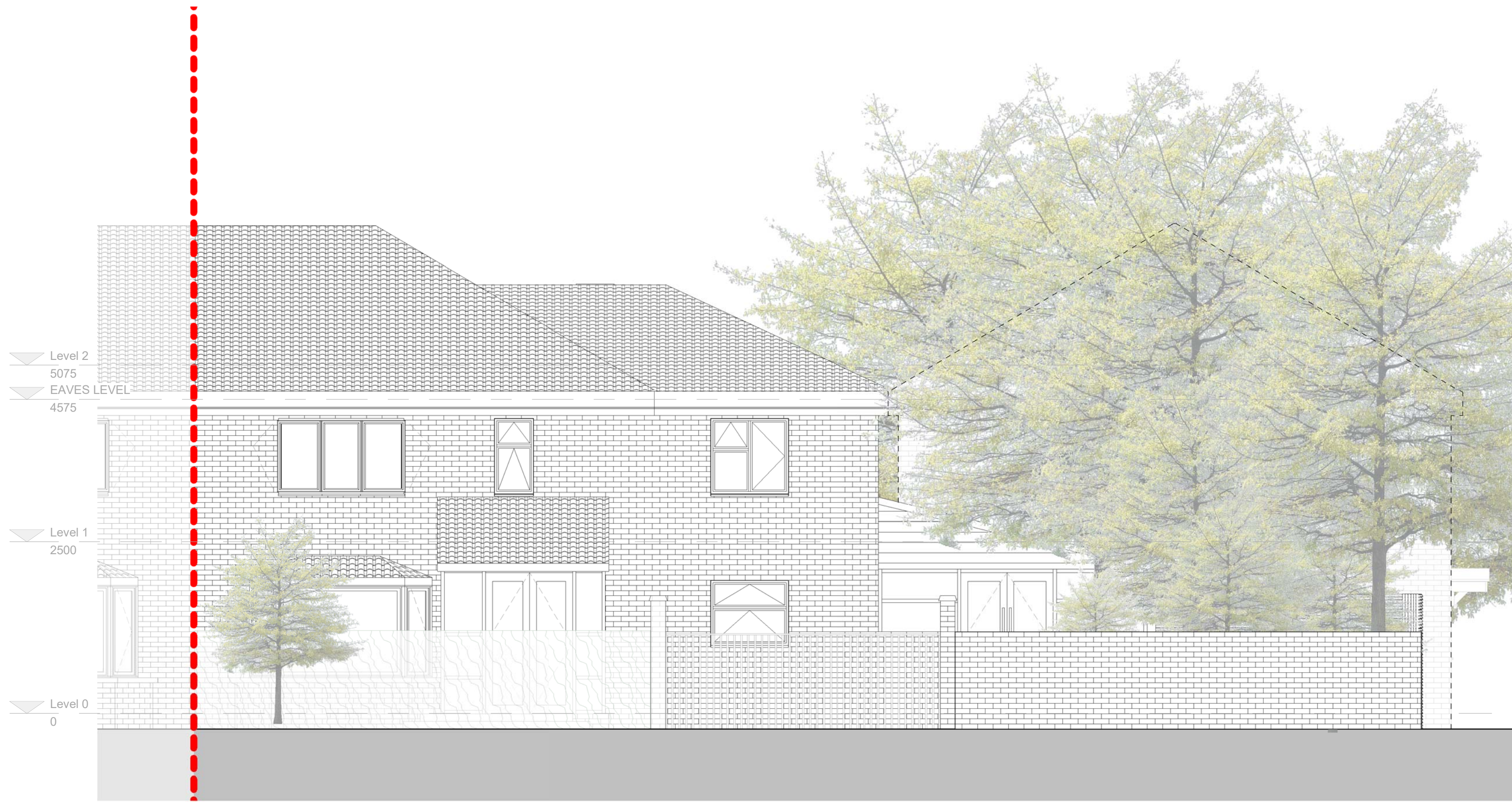
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T H 3 M

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1 North Elevation
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2 West elevation
1 : 50



3 South Elevation
1 : 50

revision	date	drawn	description
-	10.08.20	TH3M	ISSUED FOR PLANNING

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Elevations
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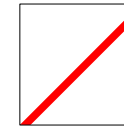
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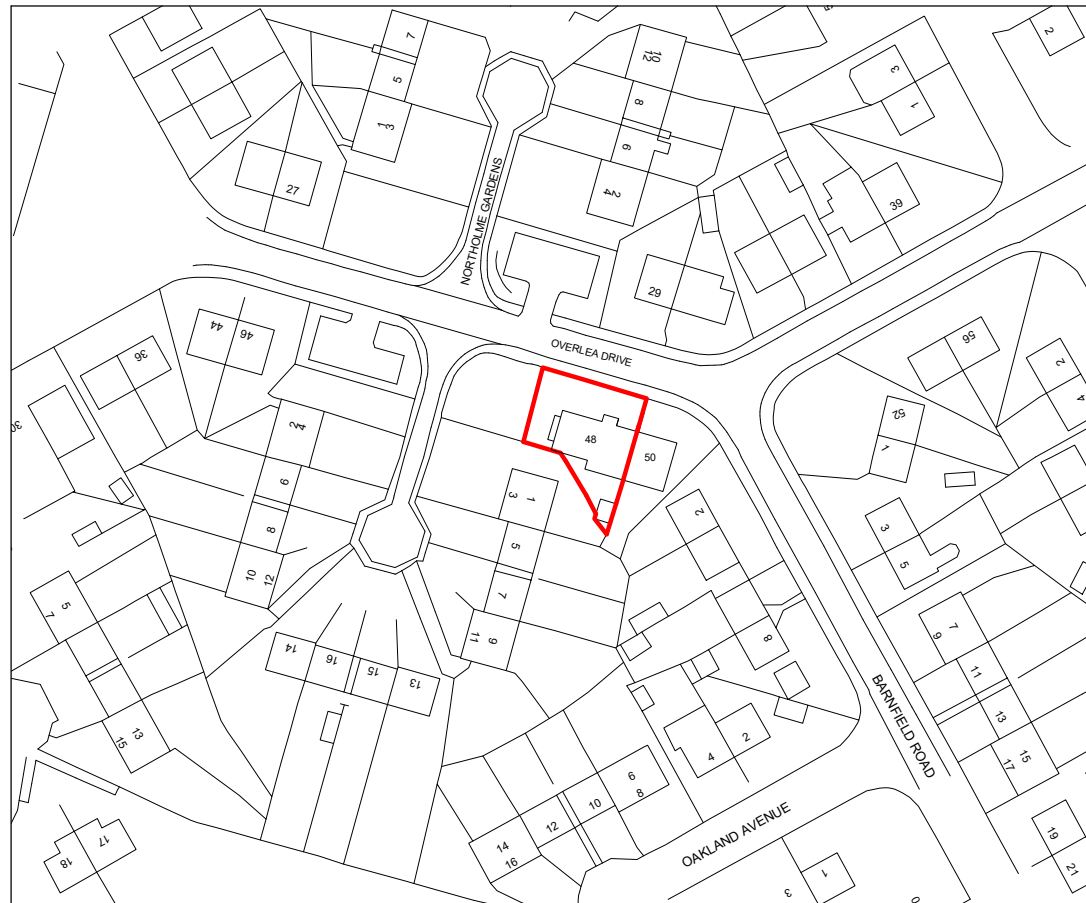
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KEY



SITE BOUNDARY
AND OWNERSHIP
LINE



revision	date	drawn	description
-	10.08.20	TH3M	ISSUED FOR PLANNING



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T H 3 M

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Site Location Plan
PROPOSED

Mr Bilbas
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FOR PLANNING

T-0123-1-0100-Site Location Plan

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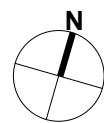
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revision	date	drawn	description
-	10.08.20	TH3M	ISSUED FOR PLANNING



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TH3M

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Ground Floor Plan
PROPOSED

Mr Bilbas
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FOR PLANNING

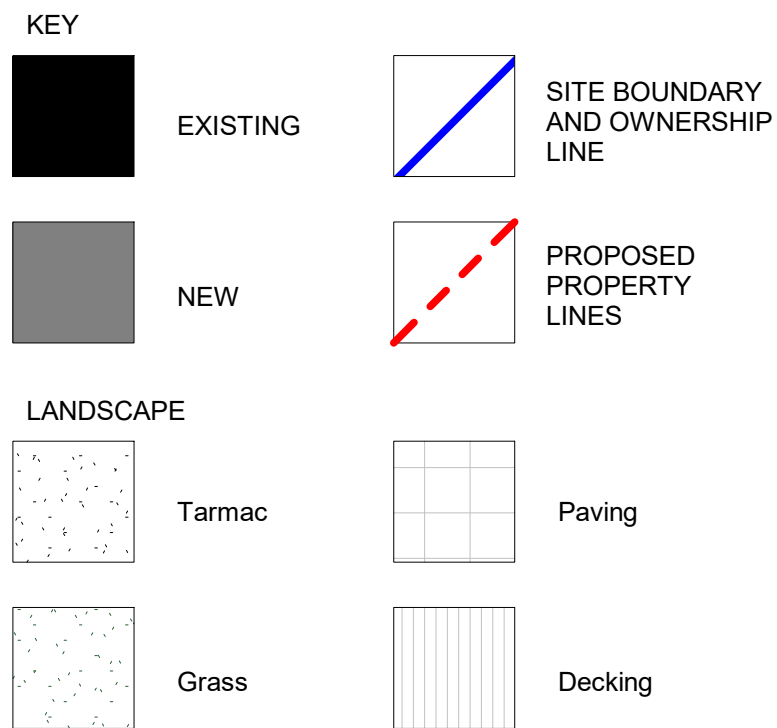
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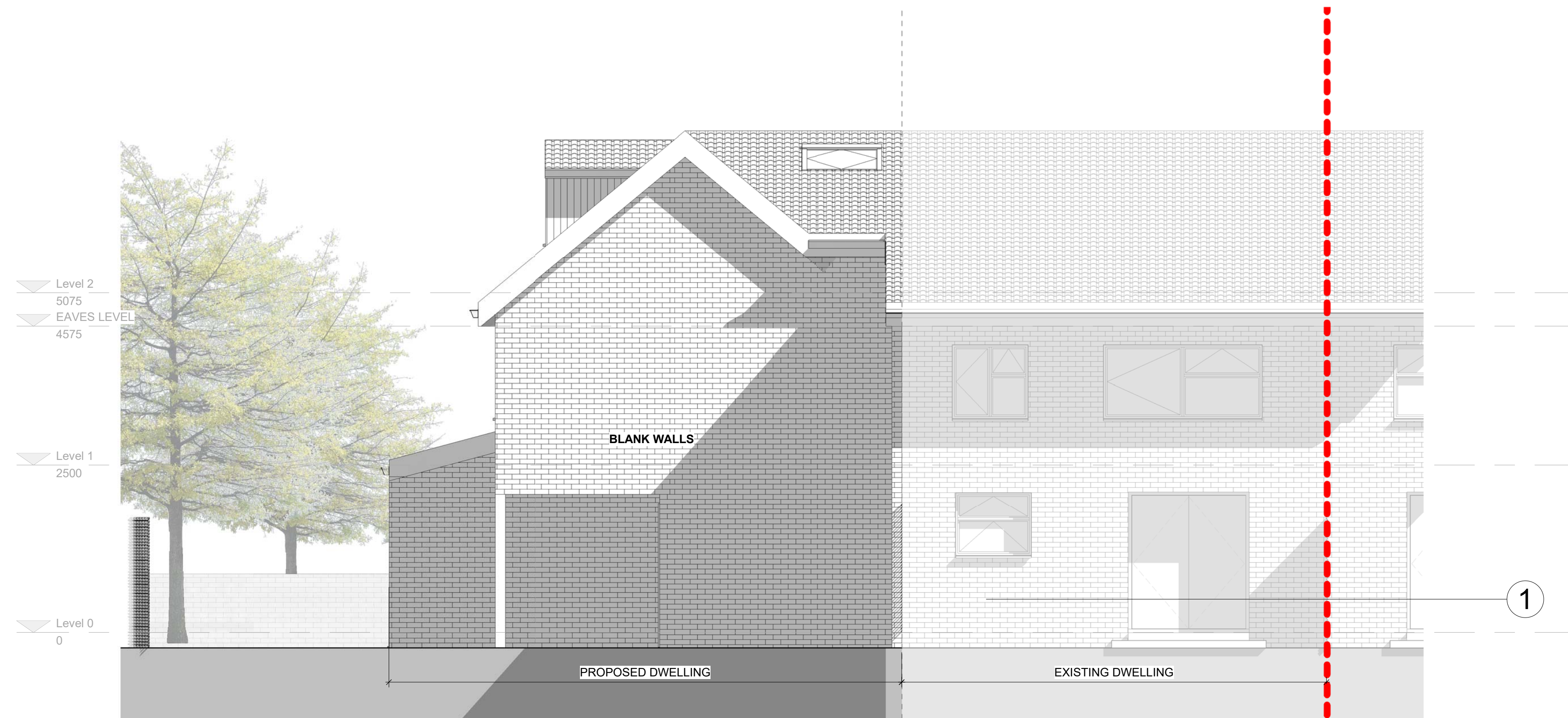




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1 : 50



3 West elevation
1 : 50



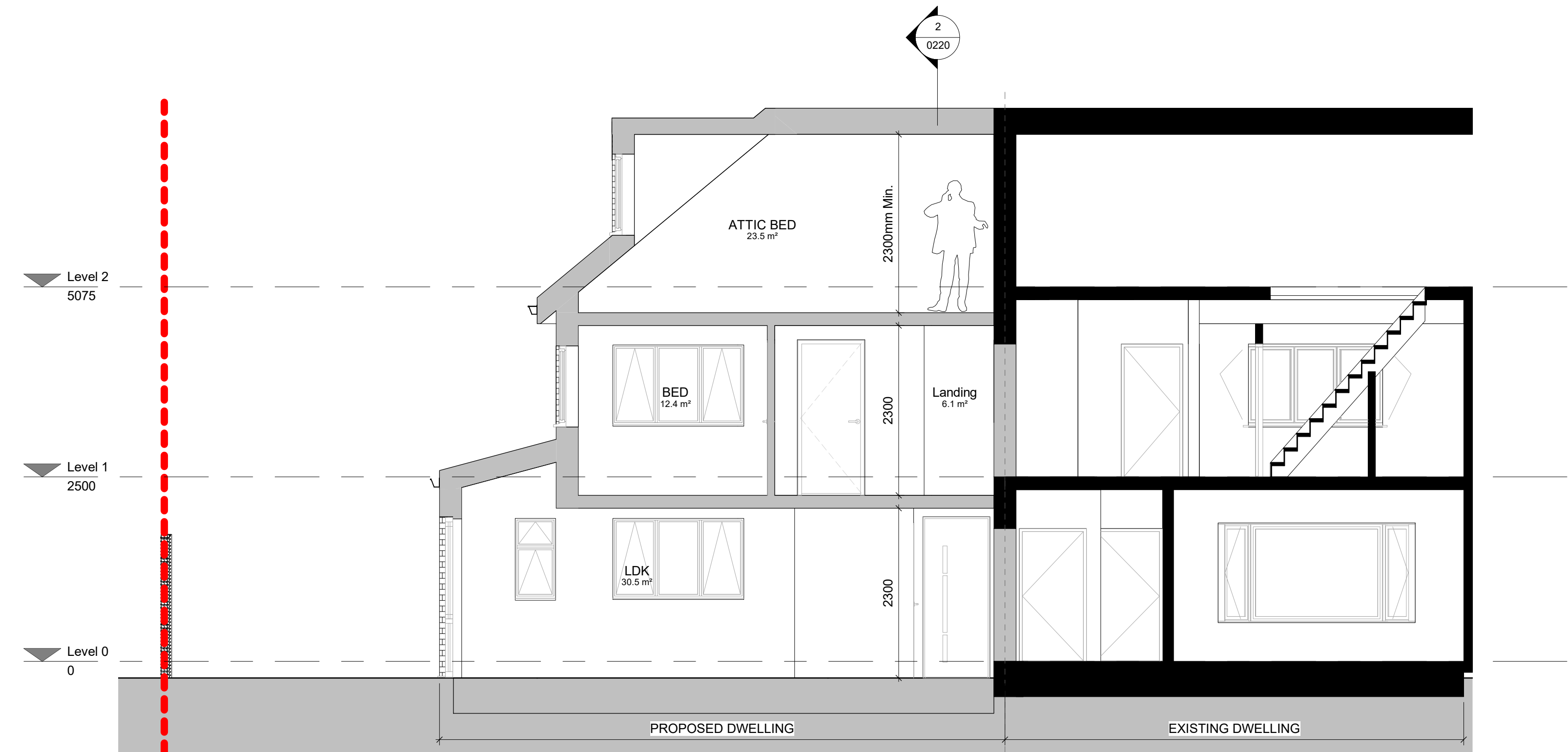
2 South Elevation
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Material Key

ID	Description
1	Proposed Brickwork to match existing
2	Proposed roof tiles to match existing
3	Proposed Dormer. Timber wall cladding



2 Section B
1 : 50



1 Section A
1 : 50

KEY			
EXISTING		SITE BOUNDARY AND OWNERSHIP LINE	
NEW		PROPOSED PROPERTY LINES	
LANDSCAPE			
Tarmac		Paving	
Grass		Decking	

revision	date	drawn	description
-	10.08.20	TH3M	ISSUED FOR PLANNING

Do not scale from drawings unless by agreement with architect. Use figured dimensions only. Check all dimensions on site prior to commencing the works. Drawing to be read in conjunction with other relevant consultant information.

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Sections
PROPOSED

Mr Bilbas
48 Overlea Drive

T-0123-1-0220-Sections

number

1:50 @ A1
scale

0123
job reference

MGS
drawn

T H 3 M

0m 1m 2m 3m 4m 5m

FOR PLANNING

APPENDIX B

ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

308757392_1_1

Customer Reference:

GSI 1861

National Grid Reference:

386350, 392000

Slice:

A

Site Area (Ha):

0.03

Search Buffer (m):

1000

Site Details:

48, Overlea Drive

Manchester

M19 1QU

Client Details:

Mr I Walker

Geocon Site Investigations

Suite 2 Marple House,

39 Stockport Road,

Marple,

Stockport

Cheshire

SK6 6BD

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	13
Industrial Land Use	18
Sensitive Land Use	26
Data Currency	27
Data Suppliers	33
Useful Contacts	34

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters	pg 1				4
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2				8 (*4)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 5				23

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 9				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 9				3
Potentially Infilled Land (Water)	pg 9		7	19	29
Registered Landfill Sites	pg 12				2
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 13	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 13	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 16				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 18		4	7	44
Fuel Station Entries	pg 22				2
Points of Interest - Commercial Services	pg 22		1	1	9
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 23				6
Points of Interest - Public Infrastructure	pg 24			2	9
Points of Interest - Recreational and Environmental	pg 25				3
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 26				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (S)	0	1	386354 392002
1	Local Authority Pollution Prevention and Controls Name: Tcs Kingsway Location: 370 Kingsway, Burnage, MANCHESTER, Lancashire, M19 1PL Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/21/98-2000 Dated: 7th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A7NE (SW)	658	2	385866 391551
2	Local Authority Pollution Prevention and Controls Name: Shell Kingsburn Location: Kingsway, Burnage, MANCHESTER, Lancashire, M19 1RD Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/036/05 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	682	2	385906 391477
	Nearest Surface Water Feature	A14NW (E)	423	-	386786 392037
3	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Water Affected; No Pollution Found Incident Date: 21st June 1996 Incident Reference: 96641386 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	690	3	386300 391300
4	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Near Lock Lane, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Other Note: Not Supplied Incident Date: 10th August 1999 Incident Reference: 31141 Catchment Area: Manchester Ship Canal Receiving Water: Canal Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	775	3	386000 391300
5	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Heating Oil Note: Cringle Brook Incident Date: 2nd September 1992 Incident Reference: 92641593 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	801	3	385800 392600
6	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Heaton Mersey Common, HEATON MERSEY COMMON, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Other Note: Not Supplied Incident Date: 16th August 1999 Incident Reference: 31446 Catchment Area: River Mersey (Etherow) Receiving Water: River Stretch (Freshwater) Cause of Incident: Unauthorised Activity : Flytipping: MOU Response B Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	989	3	386400 391000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Water Abstractions Operator: Renold Power Transmission Limited Licence Number: 2569013002 Permit Version: Not Supplied Location: Borehole, DIDSBURY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 455 Yearly Rate (m3): 45460 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (S)	589	3	386400 391400
8	Water Abstractions Operator: Ocs Group Uk Ltd T/A Cannon Licence Number: 2569013021 Permit Version: 2 Location: Burnage Lane , Levenshulme, Manchester Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Burnage Lane, Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th January 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	895	3	386720 392830
8	Water Abstractions Operator: Cannon Hygiene Limited Licence Number: 2569013021 Permit Version: 1 Location: Burnage Lane , Levenshulme, Manchester Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Burnage Lane, Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th March 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	895	3	386720 392830
9	Water Abstractions Operator: Heaton Moor Golf Club Limited Licence Number: 2569013020 Permit Version: 104 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 9th August 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	902	3	387258 392126

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Water Abstractions Operator: The Trustees Of Heaton Moor Golf Club Licence Number: 2569013020 Permit Version: 103 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 27th June 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	902	3	387258 392126
9	Water Abstractions Operator: Mr Brian McCrae Licence Number: 2569013020 Permit Version: 102 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 8th April 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	904	3	387260 392130
9	Water Abstractions Operator: Colin Denny Licence Number: 2569013020 Permit Version: 101 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	904	3	387260 392130
9	Water Abstractions Operator: Heaton Moor Golf Club Licence Number: 2569013020 Permit Version: 100 Location: Borehole At Heaton Moor Golf Club, Stockport Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 50 Yearly Rate (m3): 8000 Details: Land At Heaton Moor Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 18th March 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	904	3	387260 392130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: United Biscuits (Uk) Limited Licence Number: 2569011040 Permit Version: 1 Location: Borehole At Crossley Rd Levenshulme Authority: Environment Agency, North West Region Abstraction: Food And Drink: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 3rd October 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NE (NE)	1799	3	387960 392840
	Water Abstractions Operator: United Biscuits (Uk) Limited Licence Number: 2569011037 Permit Version: 101 Location: Borehole At Crossley Rd Levenshulme Authority: Environment Agency, North West Region Abstraction: Food And Drink: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Crossley Road Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NE (NE)	1799	3	387960 392840
	Water Abstractions Operator: Mcvities Uk Licence Number: 2569011037 Permit Version: 100 Location: Borehole At Crossley Rd Levenshulme Authority: Environment Agency, North West Region Abstraction: Food And Drink: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 700 Yearly Rate (m3): 170000 Details: Land At Crossley Road Levenshulme Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th March 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NE (NE)	1799	3	387960 392840
	Water Abstractions Operator: G D Shaw Licence Number: 2569013019 Permit Version: 100 Location: A Borehole At Heaton Mersey Lodge,Vale Road, Stockport Authority: Environment Agency, North West Region Abstraction: Amenity: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 18 Yearly Rate (m3): 4860 Details: Land At Heaton Mersey Lodge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1911	3	386880 390150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Secondary Superficial Aquifer - Low Vulnerability Classification: Low Combined Vulnerability: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial >90% Patchiness: 3-10m Superficial Thickness: Low Superficial Recharge: Low	A13NE (S)	0	4	386354 392002
	Groundwater Vulnerability Map Combined Secondary Superficial Aquifer - Low Vulnerability Classification: Low Combined Vulnerability: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: <40% Superficial >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge: Low	A13SE (S)	0	4	386354 392000
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (S)	0	4	386354 392002
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (S)	0	4	386354 392002
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
10	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	646	5	387010 392021
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A18SE (NE)	648	5	386689 392570

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 493.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A18SE (NE)	653	5	386652 392595
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 339.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	655	5	386715 392561
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	686	5	387050 392011
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	738	5	387003 392380
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	764	5	385797 391469
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	784	5	385756 391484
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	829	5	387182 391879
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	829	5	387186 391902
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	831	5	387188 391908

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	839	5	387199 391922
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	840	5	387201 391938
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	844	5	387206 391954
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	857	5	386436 391135
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	864	5	387177 392300
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	871	5	387168 392343
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	877	5	387233 392130
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	891	5	387246 392136
29	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 35.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	901	5	386285 391090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	902	5	387265 392043
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	928	5	387290 392077
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	951	5	387257 392336

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Historical Landfill Sites Licence Holder: Renold Limited Location: Burnage Lane, Didsbury, Manchester Name: Rear of Renolds Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16785 First Input Date: 31st December 1937 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Special Waste, and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9170 BGS Ref: Not Supplied Other Ref: RD/LIC/011/76, J025	A8SW (S)	766	3	386251 391229
34	Historical Landfill Sites Licence Holder: Not Supplied Location: Greater Manchester Name: Heaton Mersey Common Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16784 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: J052	A8SW (S)	775	3	386281 391217
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	6	386354 392002
	Local Authority Landfill Coverage Name: Stockport Metropolitan Borough Council - Has not been able to supply Landfill data		268	7	386478 391748
35	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A8SW (S)	767	-	386255 391228
36	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A8SW (S)	946	-	386227 391050
37	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A7SE (SW)	988	-	385812 391164
38	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SW (SW)	37	-	386334 391960
39	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13NE (N)	114	-	386365 392127
40	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (N)	191	-	386354 392205
41	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A13SE (SE)	192	-	386498 391857
42	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	224	-	386190 392174
43	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (W)	230	-	386127 392082

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A13SE (E)	249	-	386594 391911
45	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (W)	264	-	386081 391992
46	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SE (E)	275	-	386639 391992
47	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (N)	282	-	386387 392294
48	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A13SE (S)	326	-	386434 391671
49	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13SW (SW)	339	-	386154 391717
50	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (S)	359	-	386410 391632
51	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (NW)	389	-	386191 392371
52	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A14SW (E)	391	-	386731 391873
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	395	-	386352 391593
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14NW (E)	396	-	386758 392050
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	397	-	386615 392317
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (NW)	410	-	386112 392350
57	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	424	-	386734 391794
58	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (E)	433	-	386784 392111
59	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18SW (N)	457	-	386227 392455
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (SW)	477	-	386076 391602
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18SE (NE)	484	-	386583 392441
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	486	-	386331 391503
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (N)	489	-	386381 392503
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	511	-	386352 391477

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A19SW (NE)	523	-	386748 392365
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A14NW (NE)	537	-	386837 392263
67	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A8NW (S)	543	-	386240 391458
68	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	550	-	385994 392436
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18SW (N)	556	-	386298 392568
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18SW (N)	566	-	386287 392577
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A8NW (S)	570	-	386197 391440
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A14NW (NE)	585	-	386866 392308
73	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	598	-	386222 391406
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A8NW (S)	619	-	386204 391388
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A8NW (S)	653	-	386179 391360
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18NW (N)	754	-	386191 392752
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	782	-	385568 392095
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A19SW (NE)	783	-	386979 392493
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A19SW (NE)	792	-	386892 392599
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	807	-	385546 392122
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	839	-	385886 391294
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A7NE (SW)	854	-	385788 391352
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NE (N)	863	-	386387 392876
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	866	-	385913 391244
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18NE (N)	894	-	386408 392906

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	901	-	387253 392153
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A19NW (NE)	909	-	386897 392745
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	923	-	385441 392192
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NE (N)	930	-	386558 392920
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	953	-	385878 391164
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A12SW (W)	960	-	385408 391791
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18NE (N)	974	-	386416 392986
93	Registered Landfill Sites Licence Holder: Wimpey Homes Holdings Ltd Licence Reference: 00011/76/M2 Site Location: Burnage Lane, Didsbury, Manchester, Greater Manchester Licence Easting: 386400 Licence Northing: 391100 Operator Location: 27 Hammersmith Grove, HAMMERSMITH, London, W6 7EN Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 3rd April 1984 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes	A8SE (S)	889	3	386400 391100
93	Registered Landfill Sites Licence Holder: Renold Ltd Licence Reference: 00011 Site Location: Renold Works, Burnage Lane, Didsbury, Manchester, Greater Manchester Licence Easting: 386400 Licence Northing: 391100 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 13th June 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Industrial Effluent Treatment Sludge Other Elemental Metals Other Metal Oxides Slag, Boiler/Flue Cleanings	A8SE (S)	889	3	386400 391100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NE (S)	0	1	386354 392002
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	0	1	386354 392000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (S)	0	1	386354 392002
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	136	1	386500 392002
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (SE)	423	1	386751 391833
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (E)	482	1	386846 392000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	486	1	386354 392500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NE (S)	488	1	386354 391500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SE (N)	509	1	386500 392500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8NE (SE)	542	1	386594 391500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	608	1	386877 392335
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A14SW (E)	636	1	387000 392000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (E)	636	1	387000 392002

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	637	1	387001 392000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	644	1	386782 392500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NE (E)	703	1	387066 392038
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	726	1	387090 392000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	773	1	387137 392000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	807	1	387000 391500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A19SE (NE)	812	1	387052 392441
94	BGS Recorded Mineral Sites Site Name: Heaton Mersey Brick Works Location: Heaton Mersey, Stockport, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 91145 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SE (S)	992	1	386461 391001
94	BGS Recorded Mineral Sites Site Name: Heaton Mersey Brick Works Location: Heaton Mersey, Stockport, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 91145 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8SE (S)	992	1	386461 391001
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	386354 392002

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	Contemporary Trade Directory Entries Name: Cleaners Crazy Cleaners Location: 39, Overlea Drive, Manchester, M19 1QY Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	53	-	386403 392045
96	Contemporary Trade Directory Entries Name: Wash World Location: 470-474, Burnage Lane, Manchester, M19 1LH Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	223	-	386585 392041
96	Contemporary Trade Directory Entries Name: Burnage Laundry Location: 470-474, Burnage Lane, Manchester, M19 1LH Classification: Laundries & Launderettes Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	223	-	386585 392041
96	Contemporary Trade Directory Entries Name: Swift Cargo & Travel Location: 468, Burnage Lane, Manchester, M19 1LH Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	226	-	386587 392045
97	Contemporary Trade Directory Entries Name: The Handy Shop Location: 343-345, Kingsway, Manchester, M19 1NQ Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	313	-	386136 392246
98	Contemporary Trade Directory Entries Name: Site Clean Ltd Location: 3a, Kingsway Buildings, Kingsway, Manchester, M19 1PH Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	341	-	386183 392313
98	Contemporary Trade Directory Entries Name: The Print Store Location: 3, Kingsway Buildings, Kingsway, Manchester, Lancashire, M19 1PH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	362	-	386169 392329
98	Contemporary Trade Directory Entries Name: Siraj Light Ltd Location: 4 Central Buildings, Kingsway, Manchester, M19 1SP Classification: Lampshade Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	383	-	386170 392354
99	Contemporary Trade Directory Entries Name: Abs Plumbing & Heating Location: 64, KINGSLEIGH ROAD, HEATON MOOR, STOCKPORT, SK4 3PP Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	396	-	386613 391685
100	Contemporary Trade Directory Entries Name: Anystamp Location: H, 28, Sunnybank Avenue, Stockport, Cheshire, SK4 3PR Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	477	-	386664 391623
100	Contemporary Trade Directory Entries Name: Anystamp Location: H, 28, Sunnybank Avenue, Stockport, Cheshire, SK4 3PR Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	477	-	386664 391623
101	Contemporary Trade Directory Entries Name: Snacketz Location: 21, Lane End Road, Manchester, M19 1WA Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	526	-	386019 391586

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Contemporary Trade Directory Entries Name: Proclean Services Location: 11, Kingsleigh Road, Stockport, Cheshire, SK4 3QF Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	532	-	386856 391804
103	Contemporary Trade Directory Entries Name: C W Travel Location: BURNAGE LANE, MANCHESTER, M19 1TF Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	550	-	386124 391490
104	Contemporary Trade Directory Entries Name: M19 Laundry Location: Unit 7, 12, Lane End Road, Manchester, M19 1TU Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	553	-	386045 391531
105	Contemporary Trade Directory Entries Name: Kingsway Auto Electrical Services Ltd Location: 10, Lane End Road, Manchester, M19 1WA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	584	-	385979 391543
105	Contemporary Trade Directory Entries Name: Kingsway Tyres Location: 10 Lane End Road, Manchester, Greater Manchester, M19 1WA Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	585	-	385978 391543
105	Contemporary Trade Directory Entries Name: Reproduction Furniture Location: 2, Lane End Road, Manchester, M19 1WA Classification: Furniture - Reproduction Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	593	-	385953 391555
106	Contemporary Trade Directory Entries Name: Shine & Sparkle Cleaning Location: 15, Brookdene Road, Manchester, M19 1BQ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	585	-	386283 392596
107	Contemporary Trade Directory Entries Name: Northern Railway Ltd Location: Burnage Railway Station, Fog Lane, Manchester, M20 6FJ Classification: Railways Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	627	-	385790 391708
108	Contemporary Trade Directory Entries Name: Pot Pourri Home Cleaning Location: 7, Mauldeth Road, Stockport, Cheshire, SK4 3NW Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	638	-	386961 391784
109	Contemporary Trade Directory Entries Name: Aztec Wrought Iron Location: 63, Southlea Road, Manchester, M20 4TH Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	657	-	385755 392298
110	Contemporary Trade Directory Entries Name: I L Kirkham Ltd Location: 370, Kingsway, Manchester, Lancashire, M19 1PL Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	657	-	385867 391551
110	Contemporary Trade Directory Entries Name: Broomhalls Domestics Location: 382, Kingsway, Manchester, M19 1PL Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	691	-	385859 391510

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	Contemporary Trade Directory Entries Name: Baxondale Flat Surface Regeneration Ltd Location: 47, Westcroft Road, Manchester, M20 6FE Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	675	-	385670 391970
112	Contemporary Trade Directory Entries Name: H P C Repairs Location: 280a, Fog Lane, Manchester, M19 1SR Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7NE (SW)	681	-	385814 391576
113	Contemporary Trade Directory Entries Name: Shell Service Staion Location: Kingsway, Manchester, Greater Manchester, M19 1RD Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	694	-	385909 391458
113	Contemporary Trade Directory Entries Name: Shell Service Station Location: Kingsway, Manchester, Greater Manchester, M19 1RD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	694	-	385909 391458
114	Contemporary Trade Directory Entries Name: S K Eco Solutions Ltd Location: 195 Emery House, Manchester, Greater Manchester, M20 6FJ Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	718	-	385726 391638
114	Contemporary Trade Directory Entries Name: Space Facility Services Group Ltd Location: Emery House, 195, Fog Lane, Manchester, Lancashire, M20 6FJ Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	724	-	385722 391632
114	Contemporary Trade Directory Entries Name: Fog Lane Laundrette & Dry Cleaners Location: 248-252, Fog Lane, Manchester, M20 6EL Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	748	-	385716 391598
114	Contemporary Trade Directory Entries Name: Care & Assist Location: 240a, Fog Lane, Manchester, M20 6EL Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	775	-	385680 391605
115	Contemporary Trade Directory Entries Name: Handy Clean Location: 260, Burnage Lane, Manchester, M19 1EN Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	724	-	386722 392639
116	Contemporary Trade Directory Entries Name: Smart Uk Ltd Location: 9, Heddon Close, Stockport, Cheshire, SK4 3RS Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	732	-	386496 391269
117	Contemporary Trade Directory Entries Name: Deefield Ltd Location: 154, Parris Wood Road, Manchester, M20 4RQ Classification: Leather Merchants & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	752	-	385698 392395
118	Contemporary Trade Directory Entries Name: Bentleys Location: 208, Errwood Road, Manchester, M19 1HX Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	783	-	386987 392484

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	Contemporary Trade Directory Entries Name: Epos G-Tech Ltd Location: 202, Mauldeth Road, Manchester, M19 1AJ Classification: Cash Registers & Check-Out Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	814	-	386375 392828
120	Contemporary Trade Directory Entries Name: T J K Repairs Location: Unit 3a Tank Hill Road, Manchester, Greater Manchester, M19 1SX Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	821	-	385814 391372
121	Contemporary Trade Directory Entries Name: K K Damp Proofing Location: 251, Kingsway, Manchester, M19 1AL Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	842	-	386310 392855
121	Contemporary Trade Directory Entries Name: 999print Location: 251, Kingsway, Manchester, Lancashire, M19 1AL Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	842	-	386310 392855
122	Contemporary Trade Directory Entries Name: Angel Maids Location: 593, Kingsway, Manchester, M19 1RA Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	845	-	385852 391310
122	Contemporary Trade Directory Entries Name: O M G Super Clean Location: 593, Kingsway, MANCHESTER, M19 1RA Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	845	-	385852 391310
122	Contemporary Trade Directory Entries Name: Angel Maids Location: 593, Kingsway, Manchester, M19 1RA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	845	-	385852 391310
123	Contemporary Trade Directory Entries Name: Cannon Textile Care Ltd Location: 210, Burnage Lane, Manchester, M19 1FL Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	868	-	386709 392805
123	Contemporary Trade Directory Entries Name: Smarts Laundries Location: 210, Burnage Lane, Manchester, M19 1FL Classification: Industrial Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	868	-	386709 392805
124	Contemporary Trade Directory Entries Name: Vehicle Solutions Manchester Ltd Location: 1a Station Approach, Mauldeth Road, Manchester, Greater Manchester, M19 1BA Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	908	-	386223 392914
125	Contemporary Trade Directory Entries Name: A & H Taxis Location: 32, Heathside Road, Manchester, Lancashire, M20 4XJ Classification: Commercial Vehicle Bodybuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	934	-	385558 392513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	Contemporary Trade Directory Entries Name: Khan Zada Food Location: 1a Mauldeth Rd, Manchester, Lancashire, M19 1BA Classification: Frozen Food Processors & Distributors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	941	-	386176 392940
127	Contemporary Trade Directory Entries Name: Avalon Steels Ltd Location: 49, Priestnall Road, Stockport, Cheshire, SK4 3HW Classification: Wire Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	941	-	386766 391140
128	Contemporary Trade Directory Entries Name: Wilkins Location: 57, Berwick Avenue, Stockport, Cheshire, SK4 3AA Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	946	-	386138 391067
129	Contemporary Trade Directory Entries Name: 2 Die 4 Domestic & Commercial Cleaning Location: 446, Kingsway, Manchester, M19 1QJ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	956	-	385767 391236
130	Contemporary Trade Directory Entries Name: Kingsway Car Centre Location: 140, Kingsway, Manchester, M19 1BB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	963	-	386280 392975
130	Contemporary Trade Directory Entries Name: Printessentials.Co.Uk Location: 140, Kingsway, Manchester, M19 1BB Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	963	-	386280 392975
131	Contemporary Trade Directory Entries Name: Wallties Location: 19, Mauldeth Close, Stockport, Cheshire, SK4 3NP Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	990	-	387016 391249
132	Contemporary Trade Directory Entries Name: Pereira Location: 37, Priestnall Road, Stockport, Cheshire, SK4 3HW Classification: Metals - Mining Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	996	-	386842 391117
133	Fuel Station Entries Name: Tcs Kingsway Location: 370, Kingsway Fog Lane, Burnage , Manchester, Greater Manchester, M19 1AL Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A7NE (SW)	658	-	385866 391551
134	Fuel Station Entries Name: Shell Kingsburn Location: Kingsway , Burnage , Manchester, Greater Manchester, M19 1RD Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	696	-	385909 391455
135	Points of Interest - Commercial Services Name: Swift Cargo & Travel Location: 468 Burnage Lane, Manchester, M19 1LH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (E)	226	8	386587 392046

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Points of Interest - Commercial Services Name: E Ryan Haulage Ltd Location: 85 Broadlea Road, Manchester, M19 1ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (N)	358	8	386309 392370
137	Points of Interest - Commercial Services Name: Auto Response Location: 15 Lane End Road, Manchester, M19 1WA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	531	8	386006 391590
137	Points of Interest - Commercial Services Name: Kingsway Auto Electrical Services Ltd Location: 10 Lane End Road, Manchester, M19 1WA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	584	8	385979 391543
138	Points of Interest - Commercial Services Name: Waves Hand Car Wash Burnage Location: Burnage Lane, Manchester, M19 1TF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NW (SW)	550	8	386124 391490
138	Points of Interest - Commercial Services Name: Tesco Hand Car Wash Location: Burnage Lane, Manchester, M19 1TF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NW (SW)	576	8	386081 391482
139	Points of Interest - Commercial Services Name: M R B Auto Detailing & Valeting Location: 1 Ainsford Road, Manchester, M20 4ST Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SE (NW)	692	8	385934 392570
140	Points of Interest - Commercial Services Name: German & French Location: 147 Parrs Wood Road, Manchester, M20 4RS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	713	8	385735 392380
141	Points of Interest - Commercial Services Name: S K Eco Solutions Ltd Location: Emery House, 195, Fog Lane, Manchester, M20 6FJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	725	8	385721 391632
142	Points of Interest - Commercial Services Name: Vehicle Solutions Manchester Ltd Location: 1a Station Approach, Mauldeth Road, Manchester, M19 1BA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	889	8	386242 392897
142	Points of Interest - Commercial Services Name: Sm Motors Location: Harwood Road Garage, Harwood Road, Stockport, SK4 3AW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	950	8	386254 392959
143	Points of Interest - Manufacturing and Production Name: Tanks Location: M19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	524	8	386242 391477
143	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	555	8	386212 391452

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	528	8	386140 391507
145	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	860	8	386708 392797
145	Points of Interest - Manufacturing and Production Name: Works Location: M19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	860	8	386708 392797
146	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	956	8	386257 392966
147	Points of Interest - Public Infrastructure Name: Sluice Location: M19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	473	8	386825 392117
147	Points of Interest - Public Infrastructure Name: Sluice Location: M19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	482	8	386834 392118
148	Points of Interest - Public Infrastructure Name: Garden of Rest Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	607	8	385963 391527
148	Points of Interest - Public Infrastructure Name: Garden of Rest Location: M19 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	615	8	385951 391526
148	Points of Interest - Public Infrastructure Name: Shell Service Staion Location: Kingsway, Manchester, M19 1RD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	694	8	385909 391458
148	Points of Interest - Public Infrastructure Name: Shell Service Station Location: Kingsway, Manchester, M19 1RD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	694	8	385909 391458
148	Points of Interest - Public Infrastructure Name: Shell Kingsburn Location: Kingsway, Burnage, Manchester, Lancashire, M19 1 Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	694	8	385910 391457
148	Points of Interest - Public Infrastructure Name: Shell Kingsburn Location: Kingsway, Manchester, M19 1RA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	696	8	385909 391455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	Points of Interest - Public Infrastructure Name: Burnage Rail Station Location: Melbury Avenue, M19 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12SE (SW)	623	8	385798 391703
149	Points of Interest - Public Infrastructure Name: Burnage Station Location: Melbury Avenue, M20 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12SE (SW)	623	8	385798 391703
150	Points of Interest - Public Infrastructure Name: C W Travel Location: 637a Burnage Lane, Manchester, M19 1TF Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A7NE (SW)	726	8	385942 391392
151	Points of Interest - Recreational and Environmental Name: Fog Lane Park Location: 133b Fog Lane, Manchester, M20 6ED Category: Recreational Class Code: Municipal Parks And Gardens Positional Accuracy: Positioned to address or location	A12SW (W)	921	8	385474 391701
152	Points of Interest - Recreational and Environmental Name: Playground Location: Parkville Road, M20 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	996	8	385348 392014
152	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	998	8	385346 391986

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Local Nature Reserves Name: Heaton Mersey Common Multiple Area: N Area (m2): 82088.26 Source: Natural England Designation Date: 15th February 2008	A8SW (S)	768	11	386283 391224

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Trafford Metropolitan Borough Council - Renewal and Environmental Protection Manchester City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environment Team (Land & Water) Tameside Metropolitan Borough Council - Environmental Health Department	June 2020 November 2013 October 2017 October 2017 October 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	January 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Tameside Metropolitan Borough Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department	June 2015 October 2014 October 2014 September 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Tameside Metropolitan Borough Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department	June 2015 October 2014 October 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Tameside Metropolitan Borough Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department	June 2015 October 2014 October 2014 September 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2023	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	
Registered Radioactive Substances Environment Agency - North West Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	January 2023	Quarterly
Water Abstractions Environment Agency - North West Region	January 2023	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	

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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	November 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	January 2023	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	January 2023	Quarterly
Local Authority Landfill Coverage Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Tameside Metropolitan Borough Council Trafford Metropolitan Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Tameside Metropolitan Borough Council Trafford Metropolitan Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Trafford Metropolitan Borough Council Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Tameside Metropolitan Borough Council - Planning and Building Control	April 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable
Planning Hazardous Substance Consents Trafford Metropolitan Borough Council Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Tameside Metropolitan Borough Council - Planning and Building Control	April 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2023	Quarterly
Points of Interest - Education and Health PointX	March 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2023	Quarterly
Points of Interest - Public Infrastructure PointX	March 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

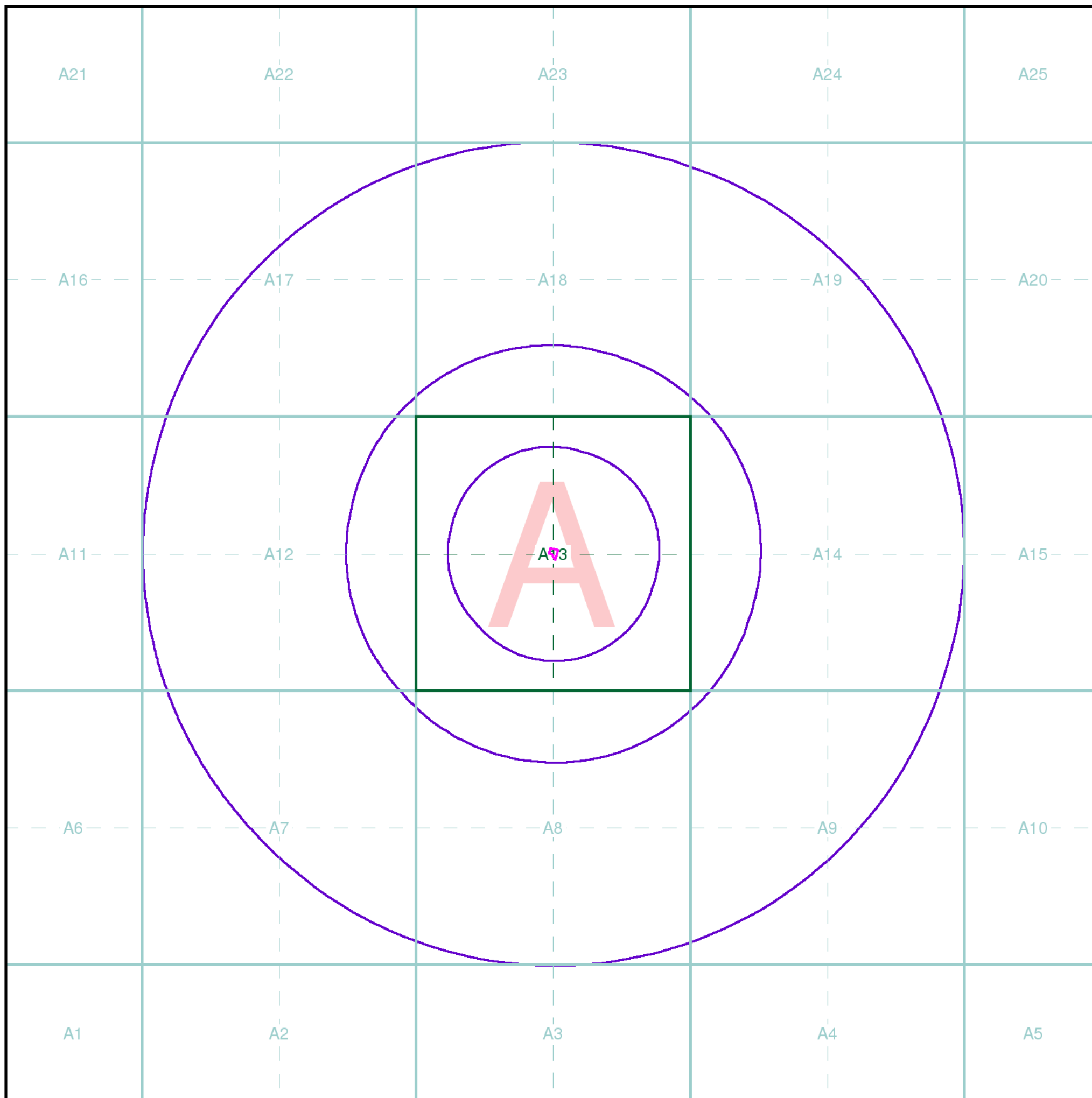
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Manchester City Council Stockport Metropolitan Borough Council Tameside Metropolitan Borough Council Trafford Metropolitan Borough Council	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Manchester City Council Stockport Metropolitan Borough Council Tameside Metropolitan Borough Council Trafford Metropolitan Borough Council	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Manchester City Council - Environmental Health Department PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Manchester City Council - Planning Department Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
7	Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Stopford House, Piccadilly, Stockport, SK1 3XE	Telephone: 0161 474 4210 Fax: 0161 477 8589 Email: environment.team@stockport.gov.uk Website: www.stockport.gov.uk
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Stockport Metropolitan Borough Council Hygarth House, 103 Wellington Road South, Stockport, Greater Manchester, SK1 3TP	Telephone: 0161 480 4949 Fax: 0161 477 9530 Website: www.stockport.gov.uk
10	Manchester City Council Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
11	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr I Walker, Geocon Site Investigations, Suite 2 Marple House,, 39 Stockport Road,, Marple,, Stockport, Cheshire, SK6 6BD

Order Details

Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Site Area (Ha): 0.03
Search Buffer (m): 1000

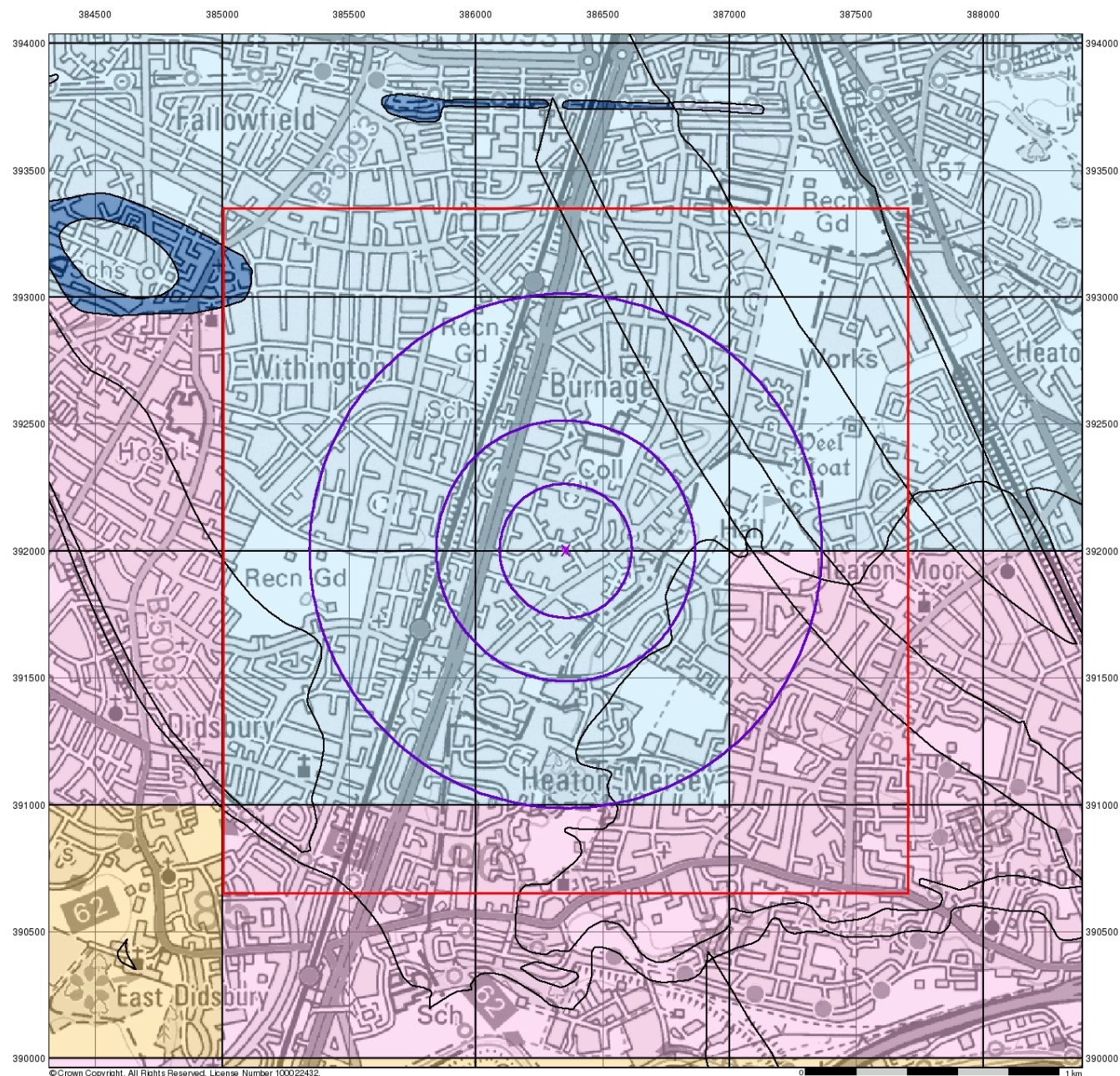
Site Details

48, Overlea Drive, Manchester, M19 1QU

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



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Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Bedrock Aquifers

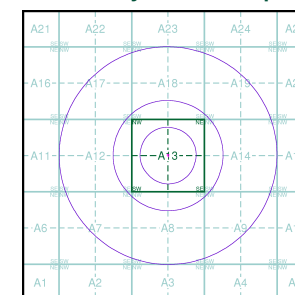
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

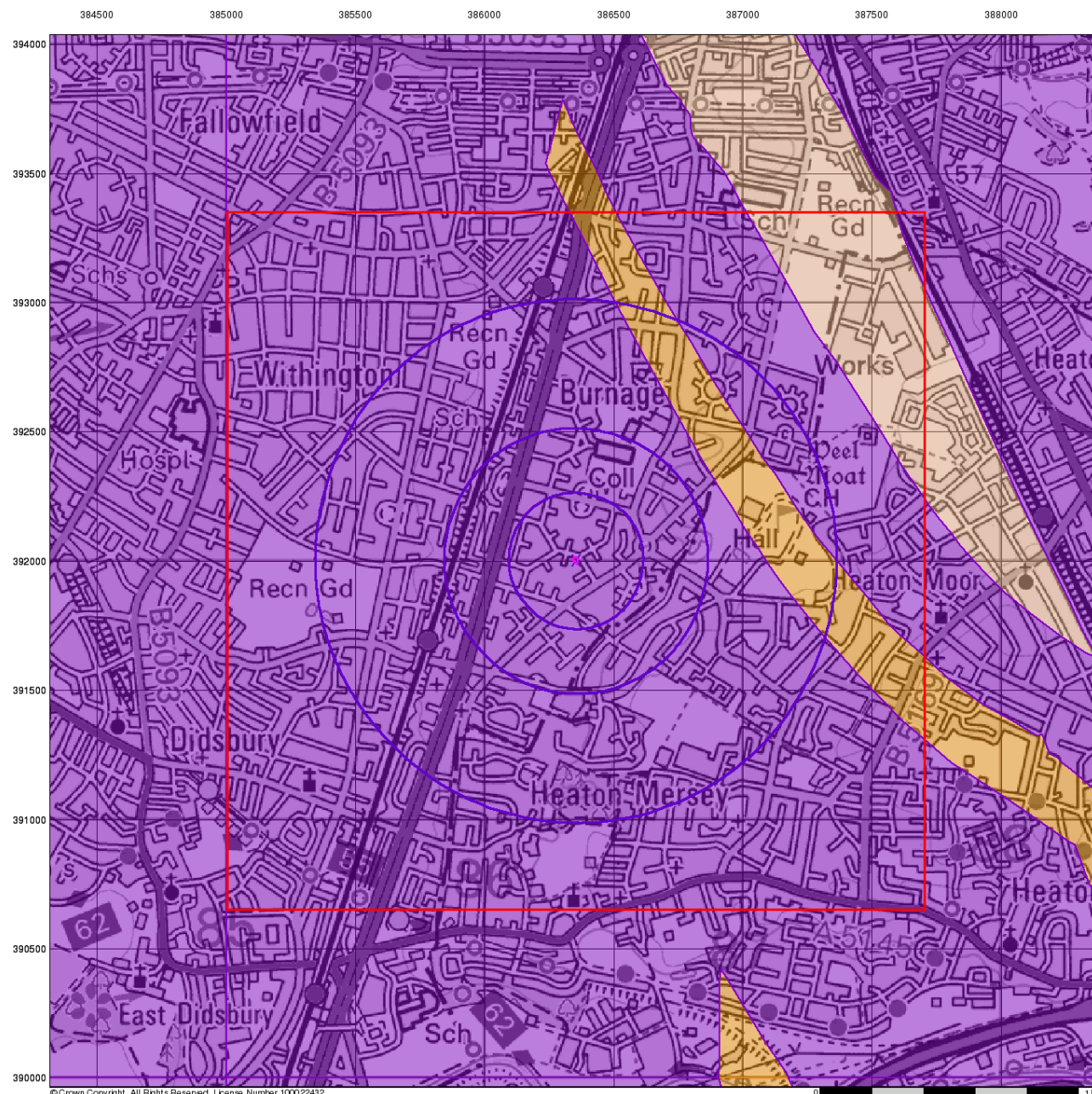
Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

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Bedrock Aquifer Designation

General

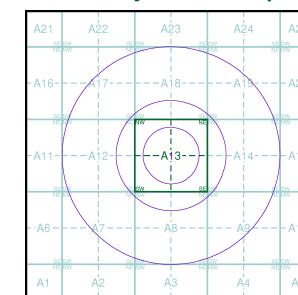
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

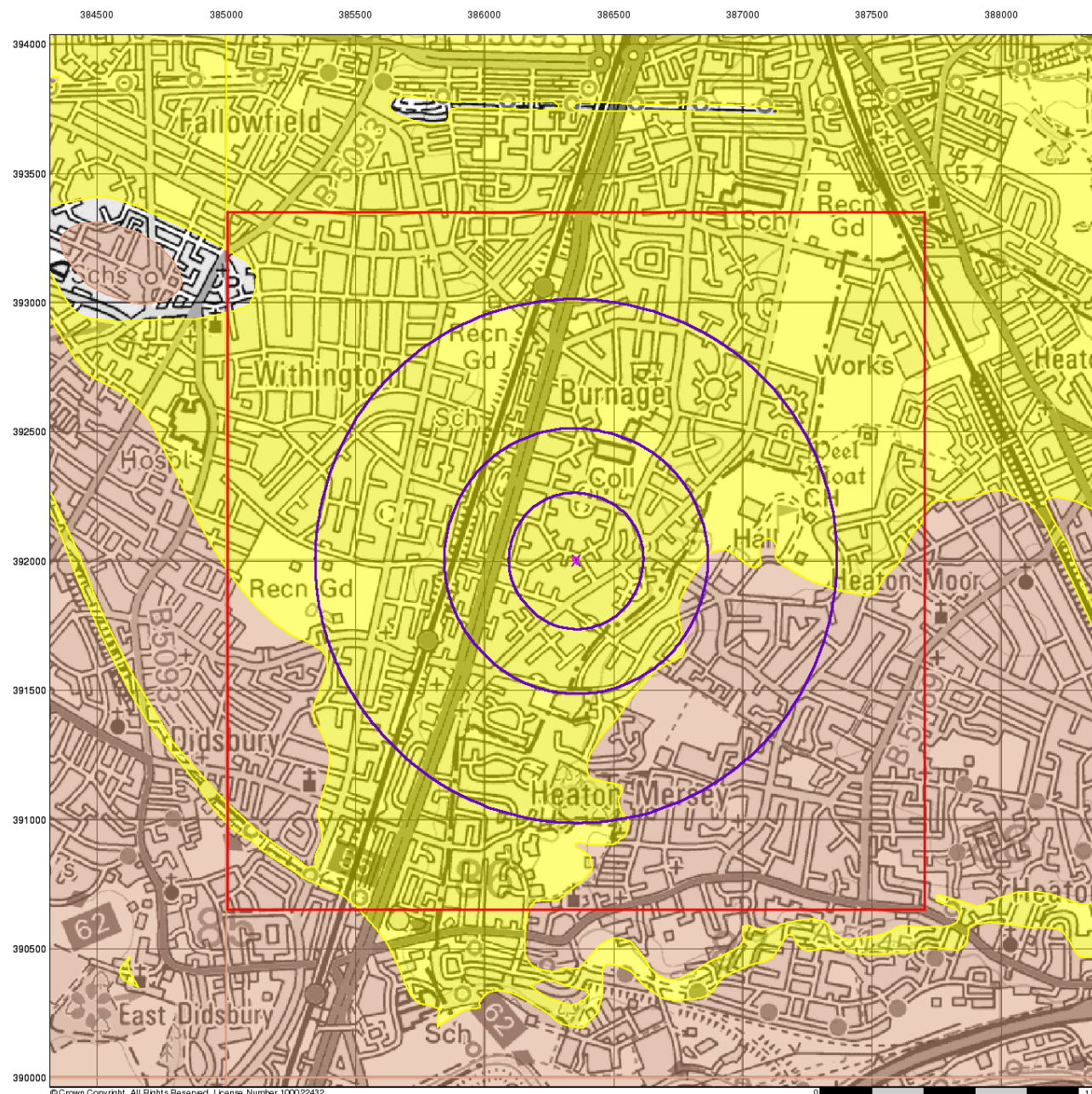
Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

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0 1 km



Superficial Aquifer Designation

General

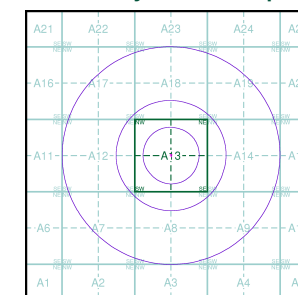
- Specified Site
- Specified Buffer(s)
- Slice
- Bearing Reference Point
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

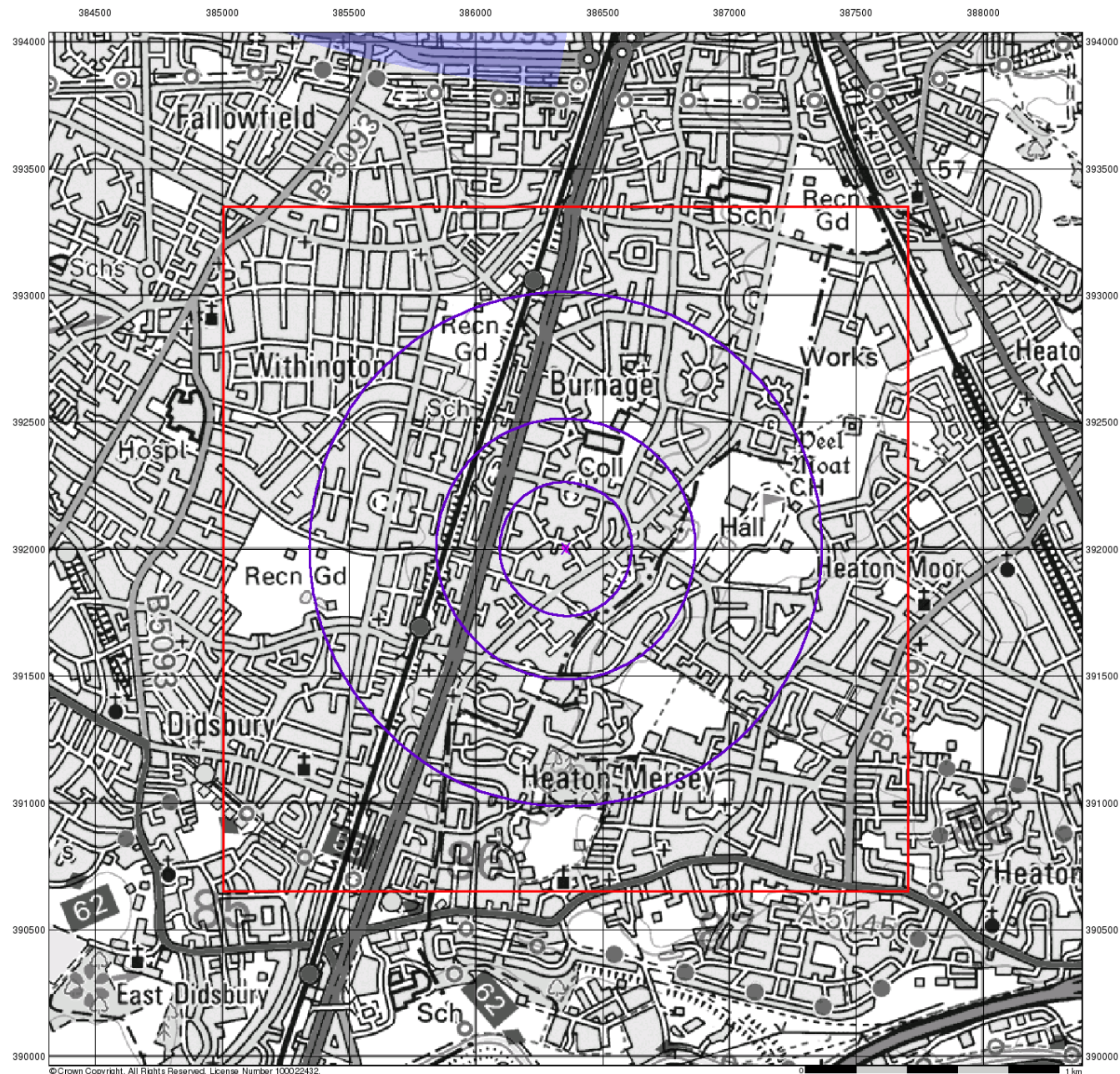
Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

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0 1 km



Source Protection Zones

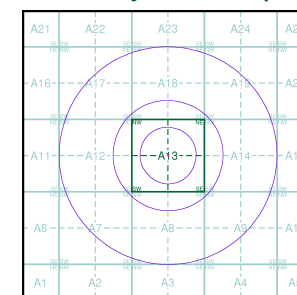
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

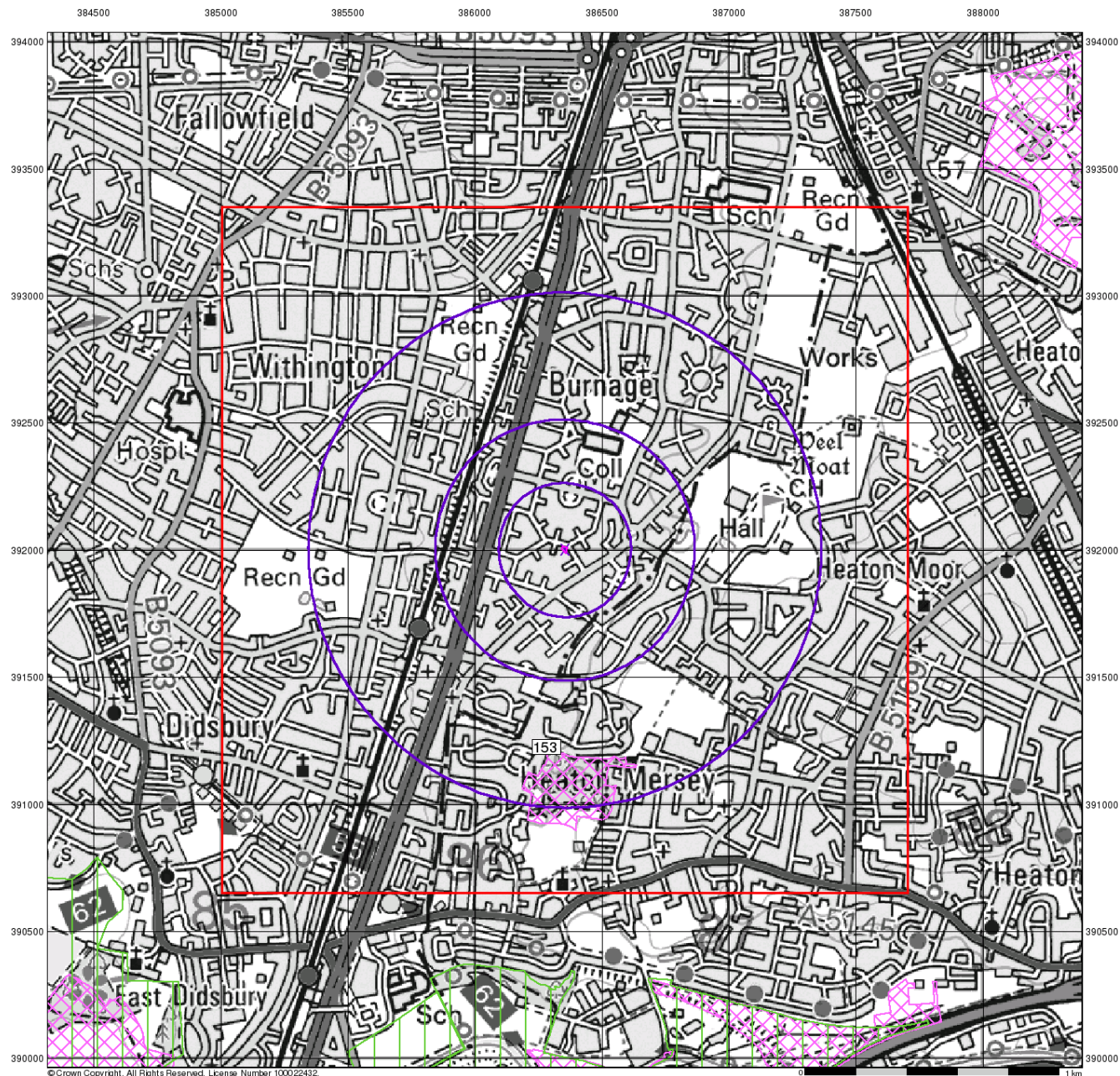
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 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

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Sensitive Land Uses

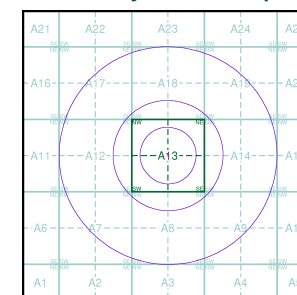
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

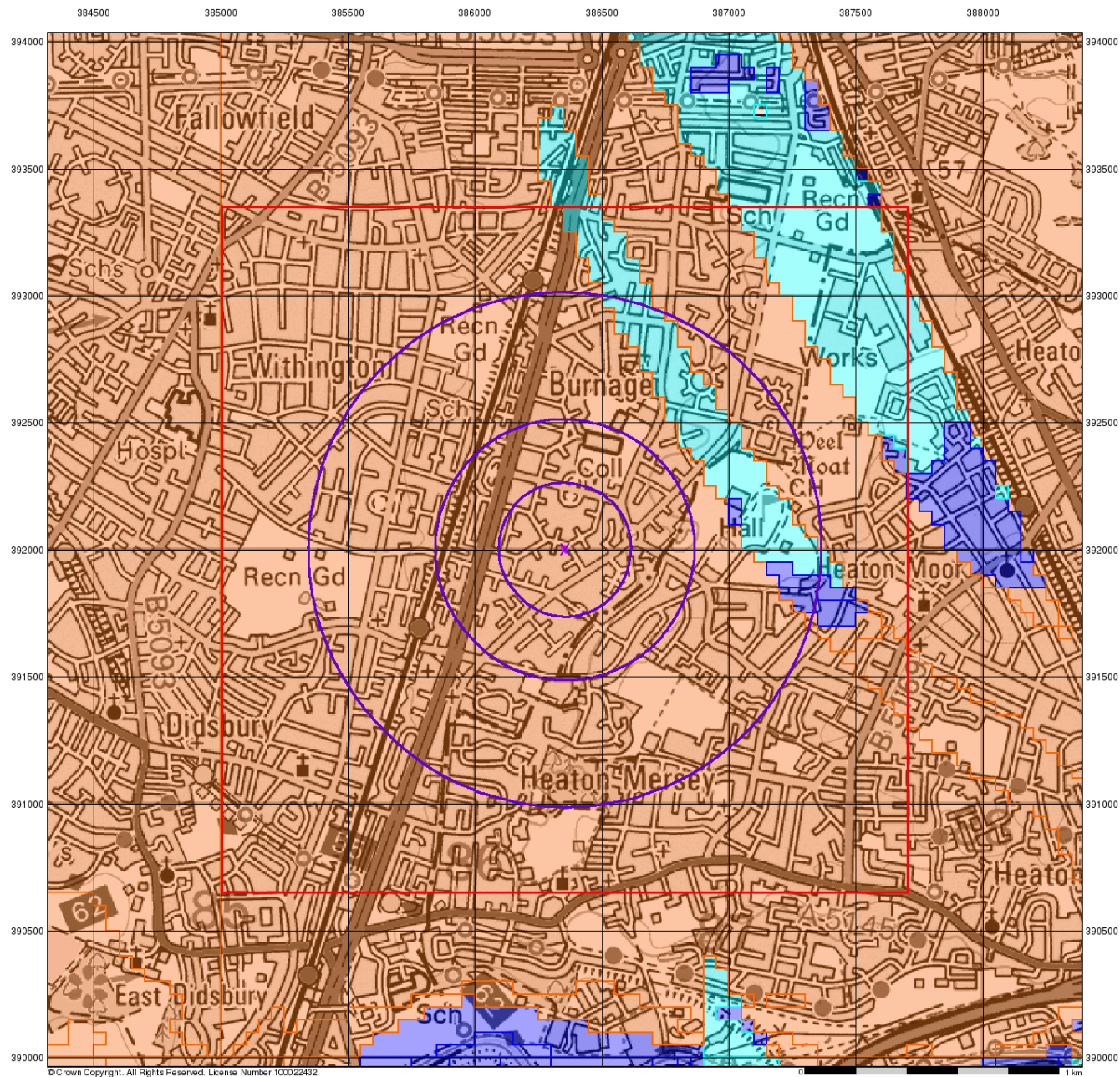
Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

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BGS Flood GFS Data

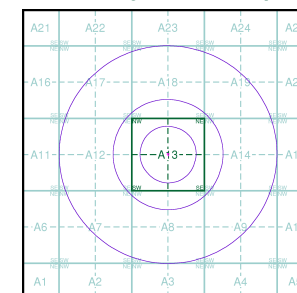
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

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Historical Land Use Information (1:10,000)

General

- Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

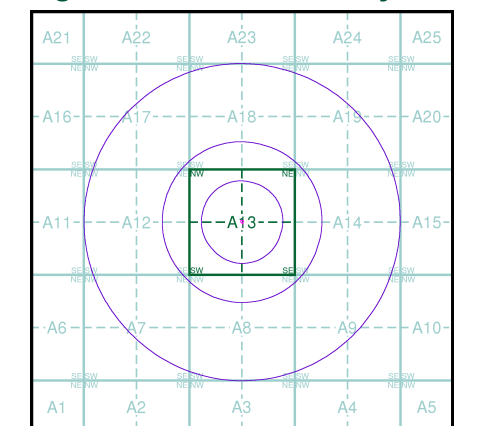
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

- Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

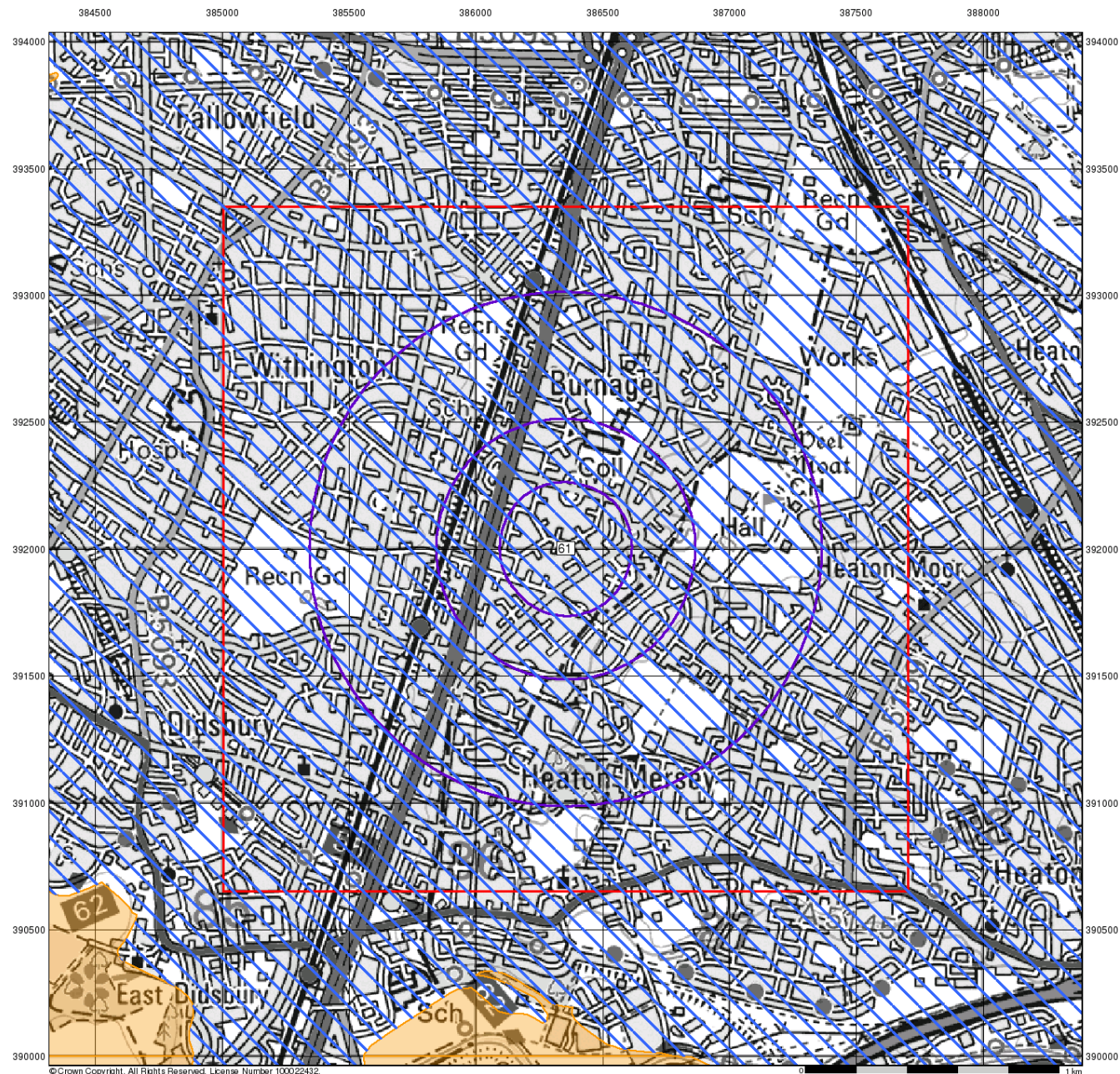
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

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Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

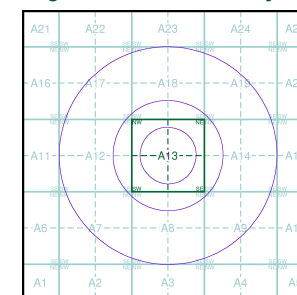
- High
- Moderate
- Low
- Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Feature
- Salt Mining Related Feature

- Point
- Polygon

Mining and Ground Stability - Slice A



Order Details

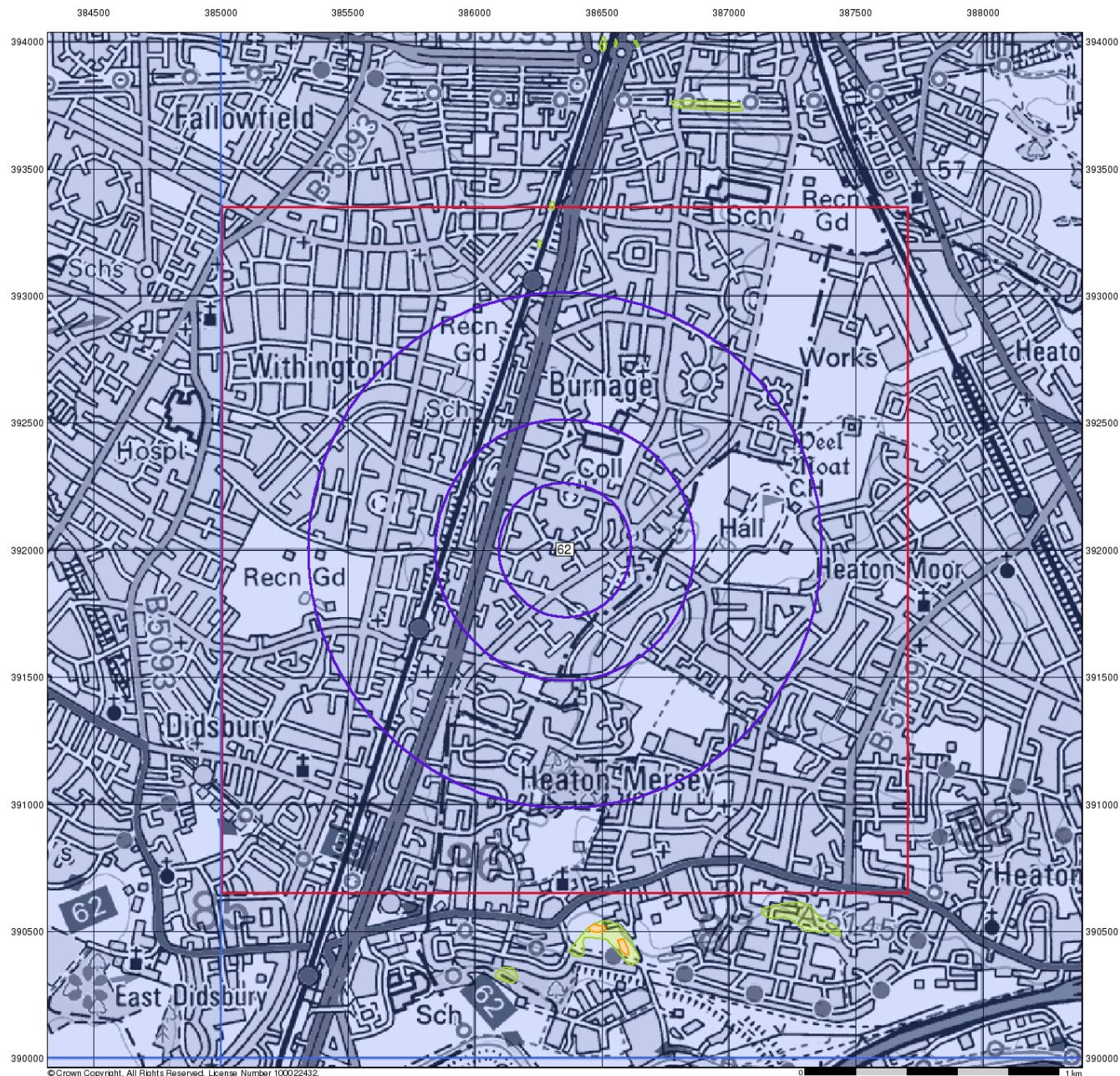
Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

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Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

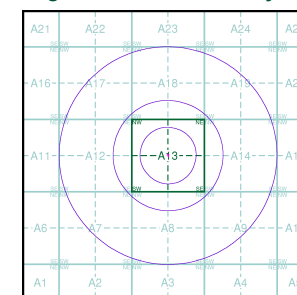
Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

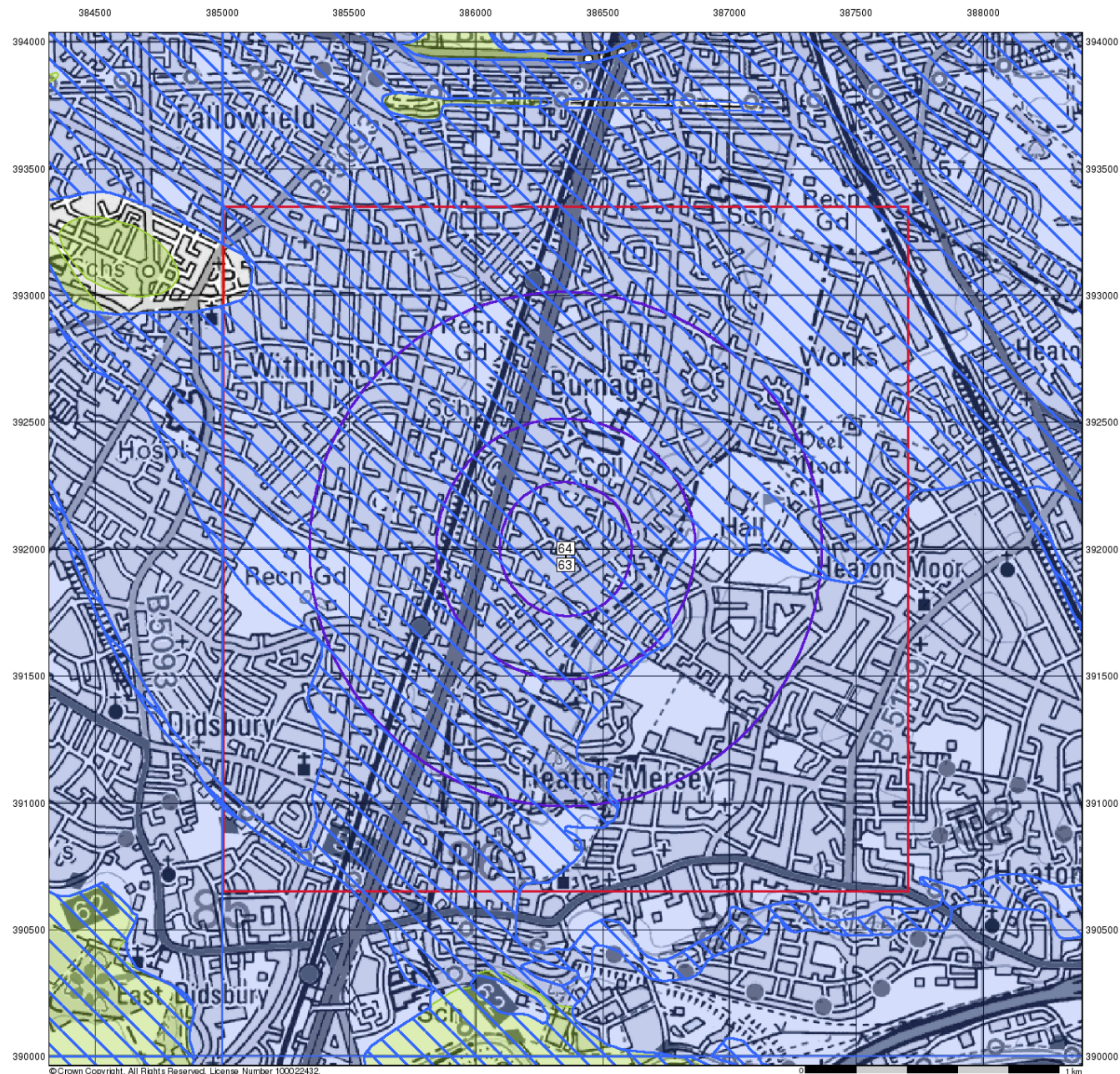
Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

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 Web: www.ernirocheck.co.uk



Ground Stability Data (1:50,000)

General

- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

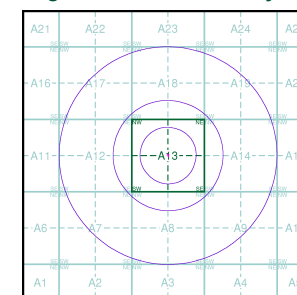
Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

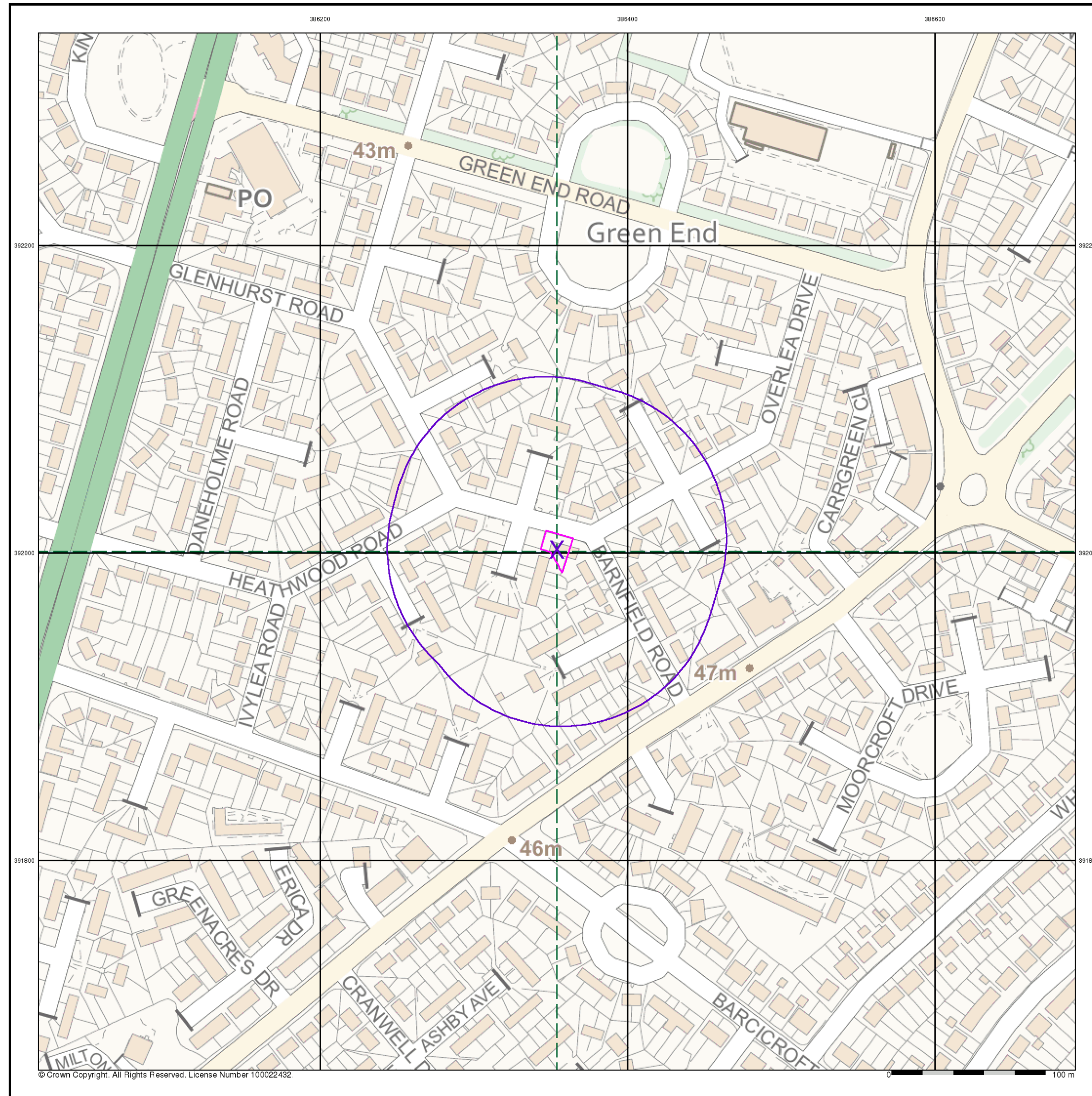
Order Number: 308757392_1_1
 Customer Ref: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

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Historical Land Use Information (1:2,500)

General

- Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location

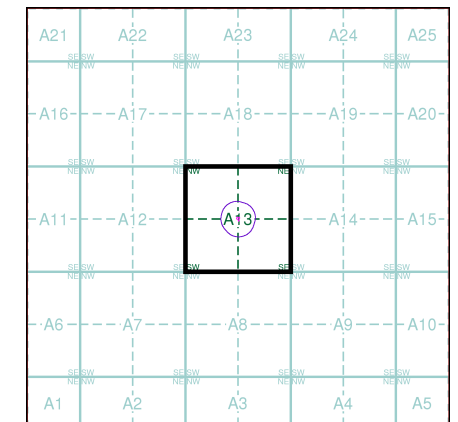
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A13



Order Details

Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Plot Buffer (m): 100

Site Details

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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	SSA	Shirdley Hill Sand Formation	Sand	Not Supplied - Devensian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

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



Geology 1:50,000 Maps

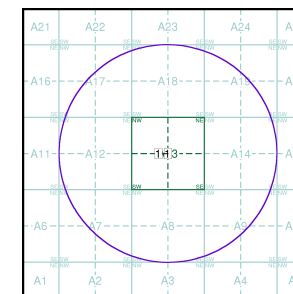
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

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

Geology 1:50,000 Maps - Slice A

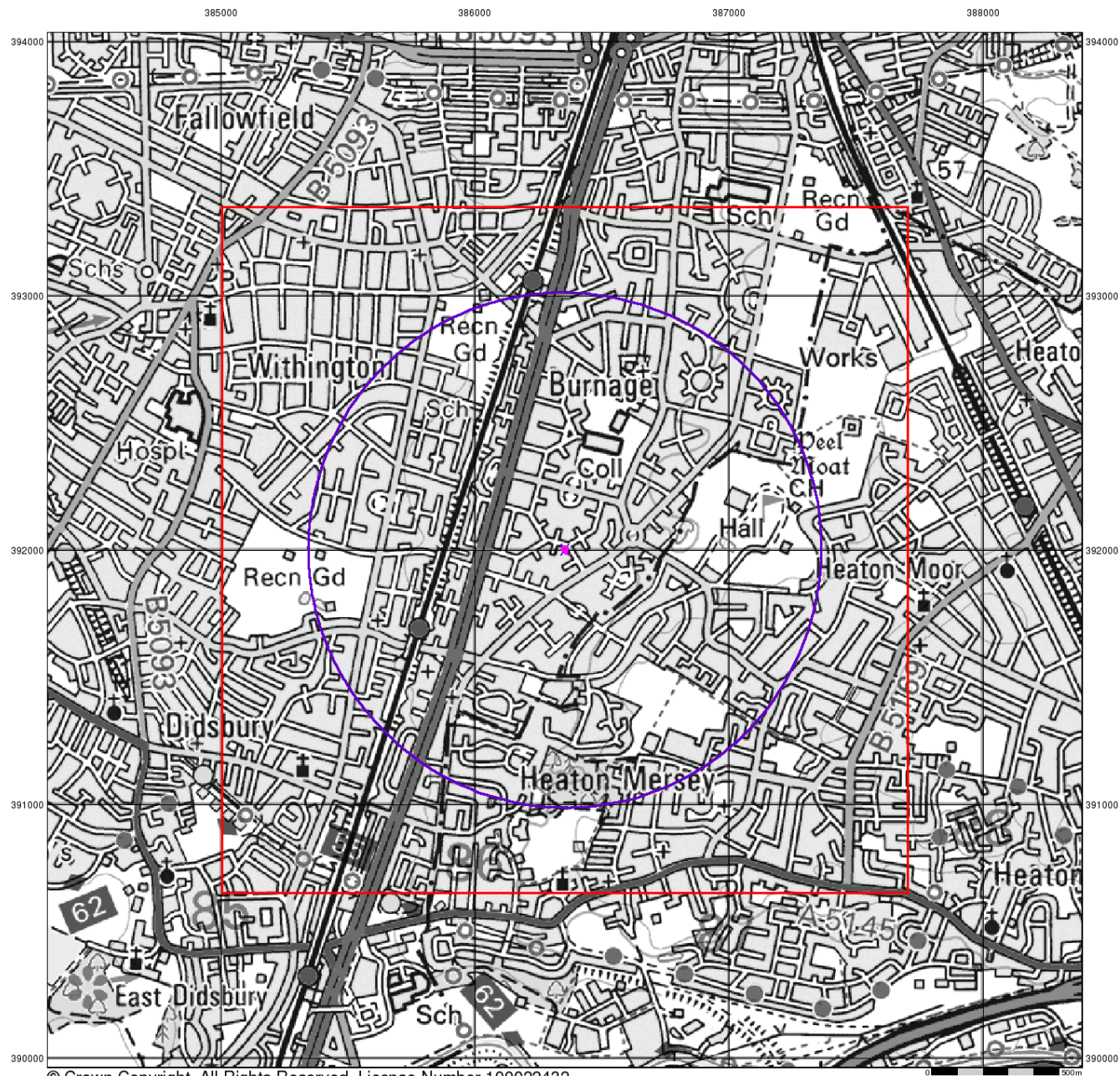


Order Details:

Order Number: 308757392_1_1
 Customer Reference: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details:

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Artificial Ground and Landslip

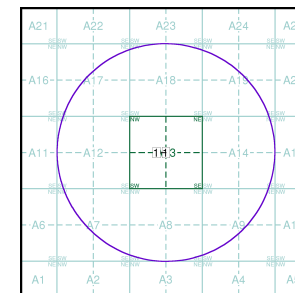
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 308757392_1_1
 Customer Reference: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details:

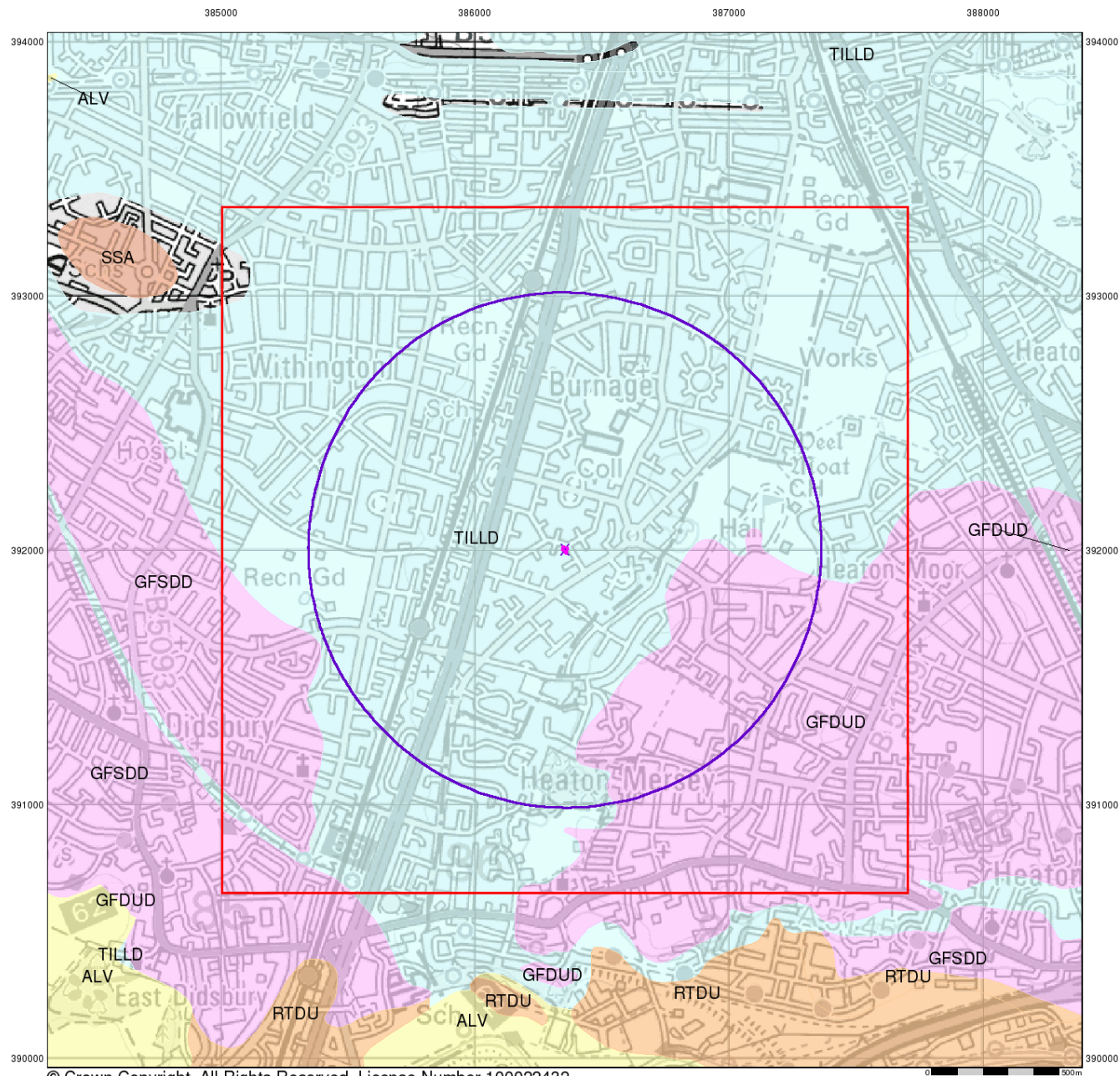
48, Overlea Drive, Manchester, M19 1QU

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v15.0 20-Mar-2023

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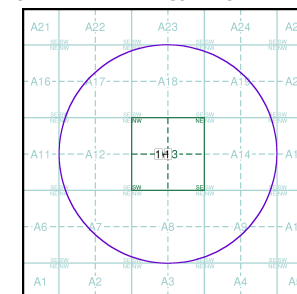
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 308757392_1_1
 Customer Reference: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details:

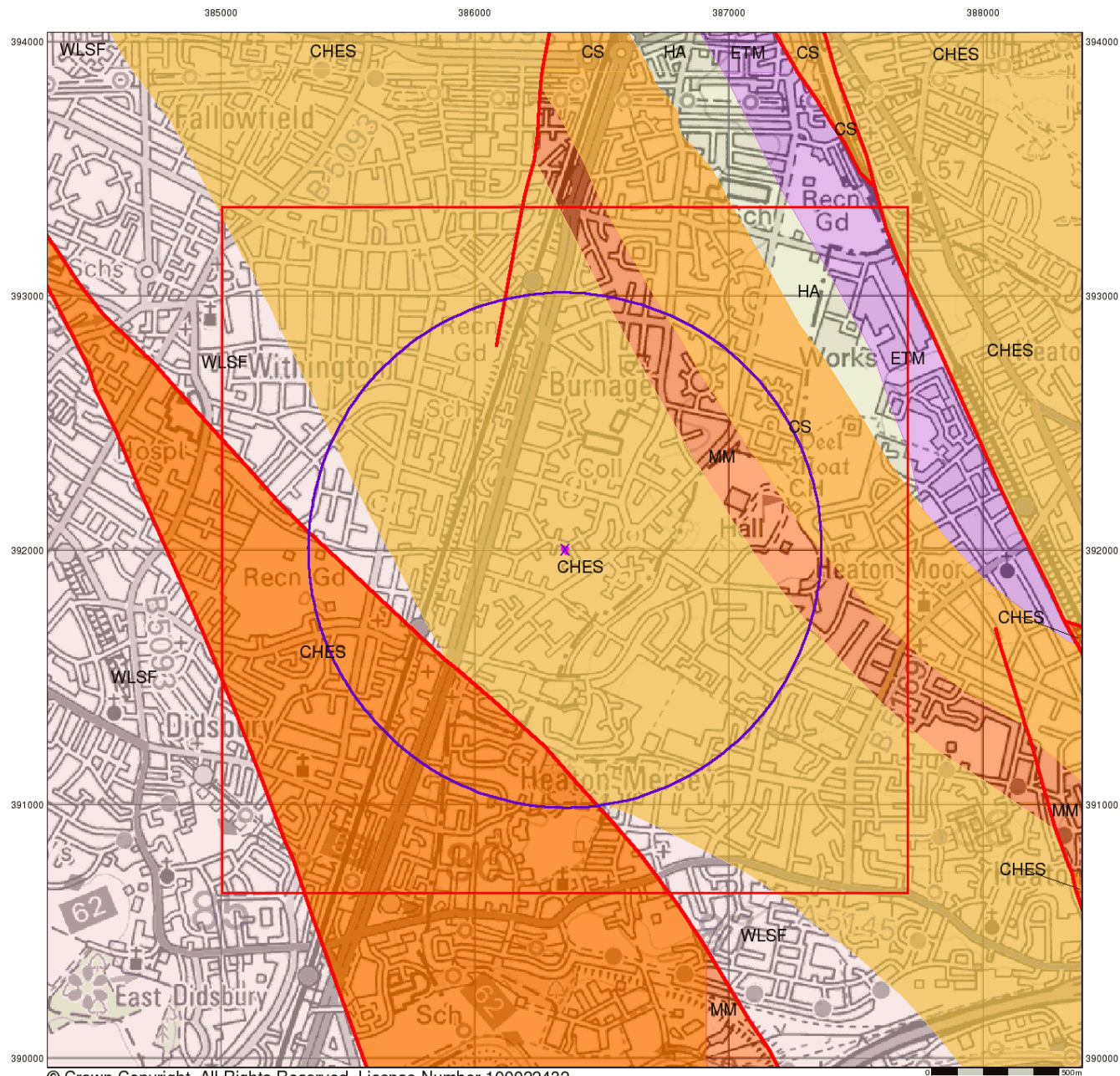
48, Overlea Drive, Manchester, M19 1QU

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Bedrock and Faults

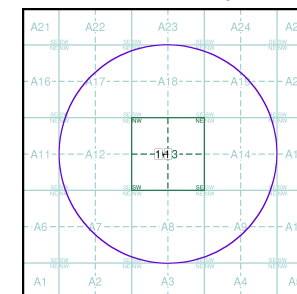
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 308757392_1_1
 Customer Reference: GSI 1861
 National Grid Reference: 386350, 392000
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details:

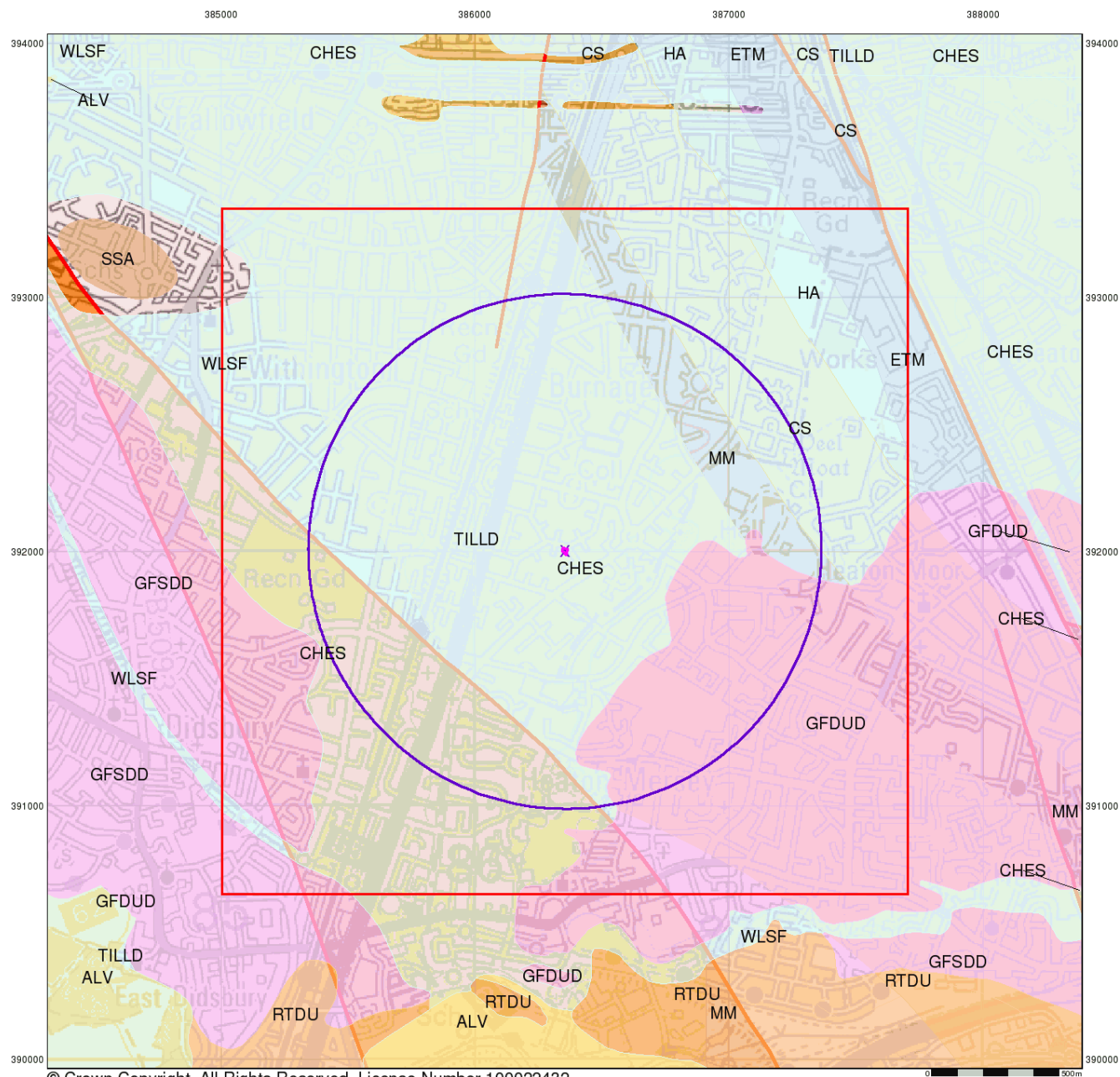
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Combined Surface Geology

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

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

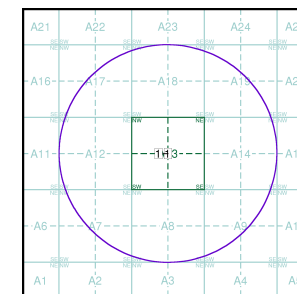
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 308757392_1_1
Customer Reference: GSI 1861
National Grid Reference: 386350, 392000
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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

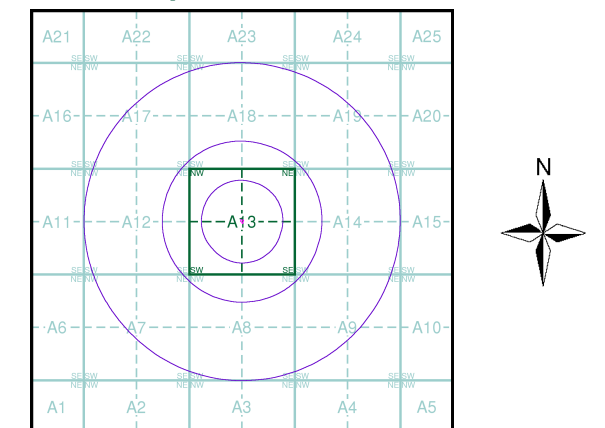
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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 - 1895	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1911	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1934	10
Cheshire	1:10,560	1938	11
Lancashire And Furness	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955	13
Ordnance Survey Plan	1:10,000	1965	14
Manchester	1:25,000	1975	15
Ordnance Survey Plan	1:10,000	1976	16
Ordnance Survey Plan	1:10,000	1985	17
Ordnance Survey Plan	1:10,000	1990	18
10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2022	21

Historical Map - Slice A



Order Details

Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

0.2 Velocity of the current, width of river bed, depth of river

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 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

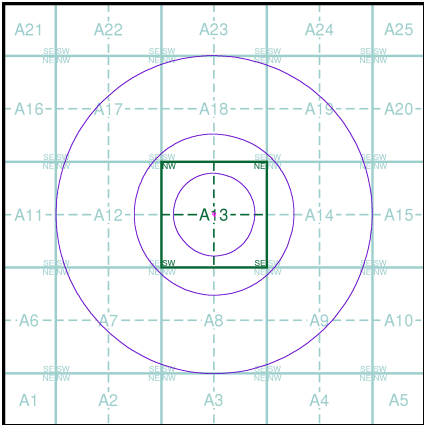
No.	Description
73	Factory (Coke)



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 - 1895	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1911	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1934	10
Cheshire	1:10,560	1938	11
Lancashire And Furness	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955	13
Ordnance Survey Plan	1:10,000	1965	14
Manchester	1:25,000	1975	15
Ordnance Survey Plan	1:10,000	1976	16
Ordnance Survey Plan	1:10,000	1985	17
Ordnance Survey Plan	1:10,000	1990	18
10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2022	21

Russian Map - Slice A



Order Details

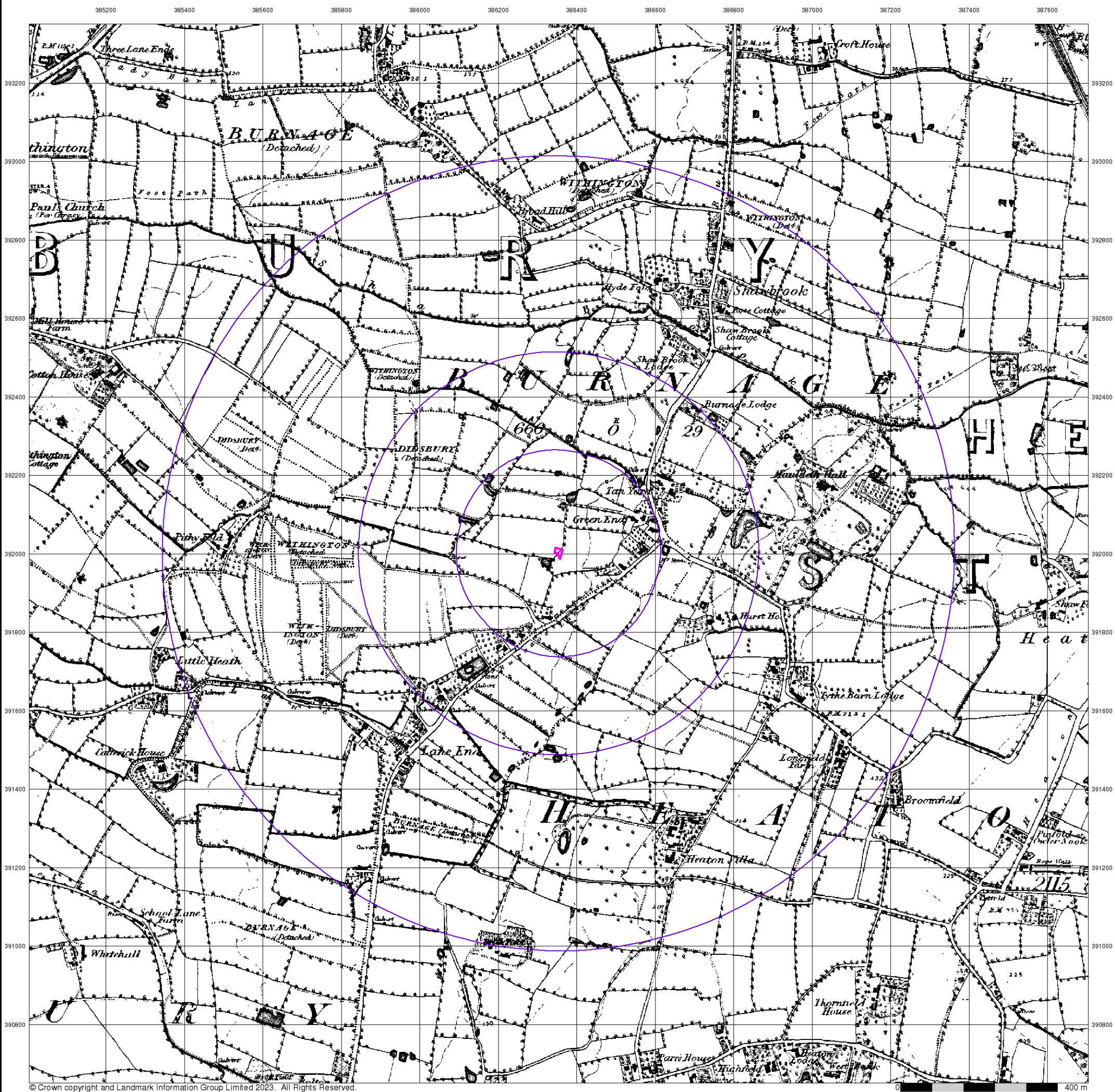
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Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

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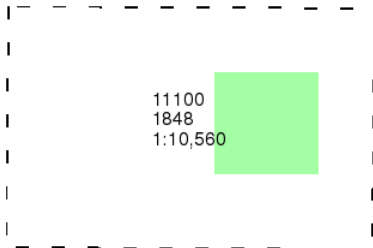
Lancashire And Furness

Published 1848

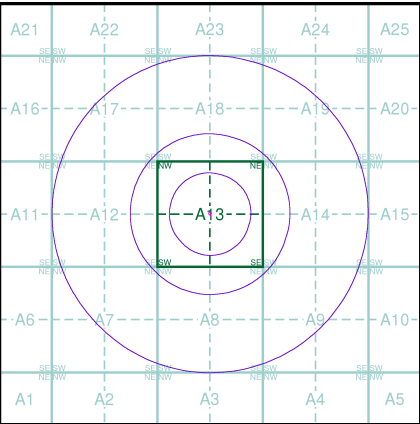
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

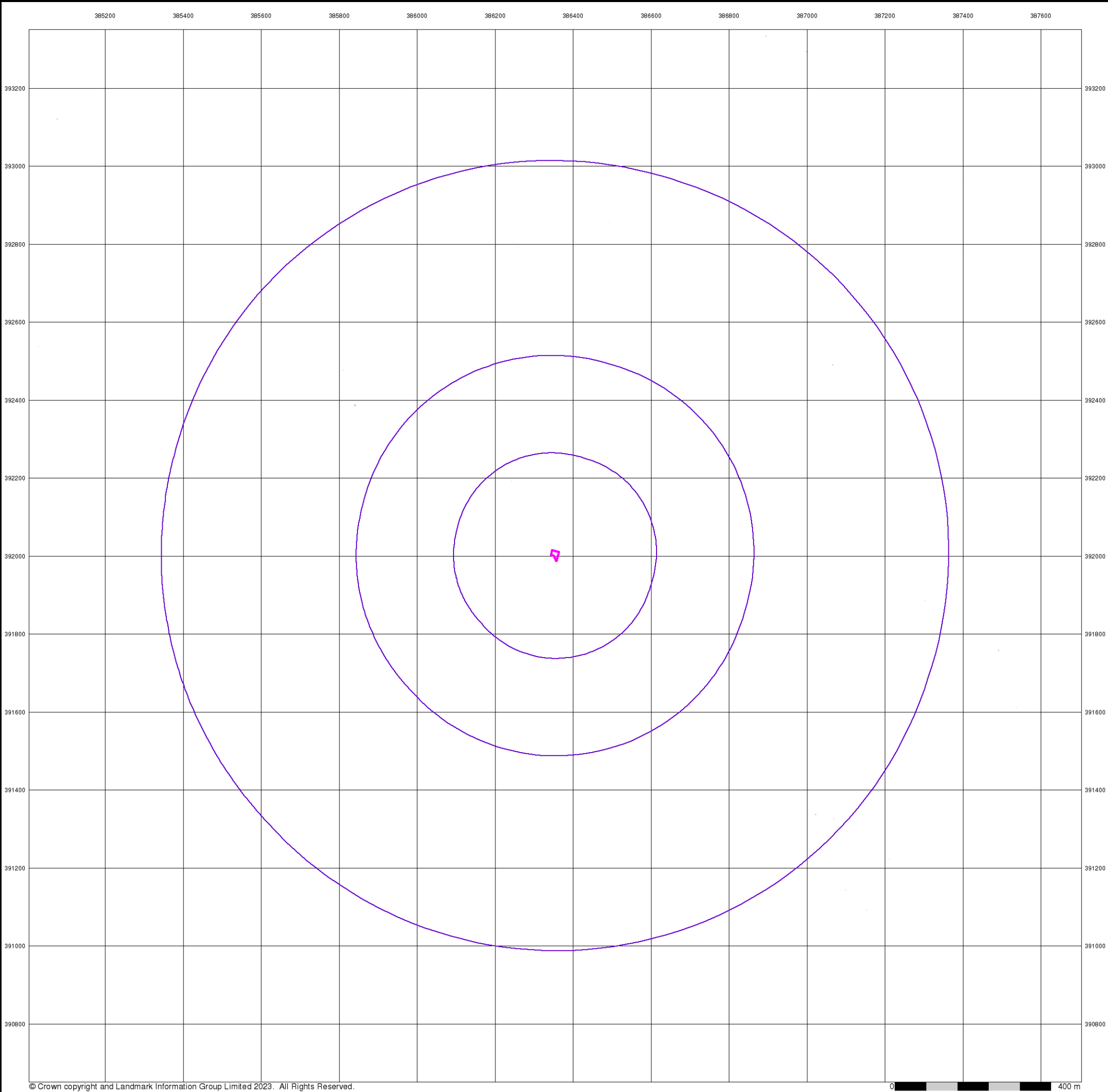
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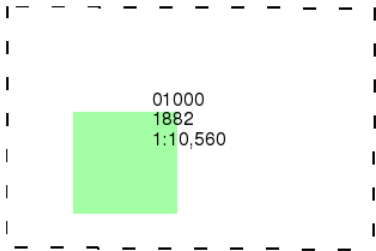
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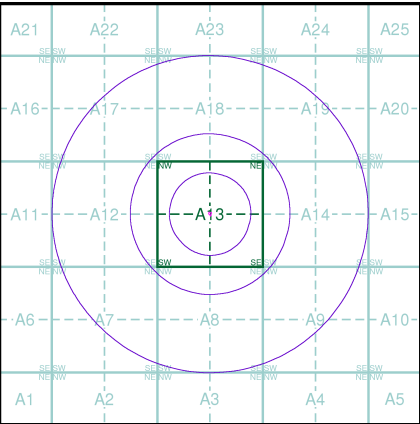
Cheshire
Published 1882
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A

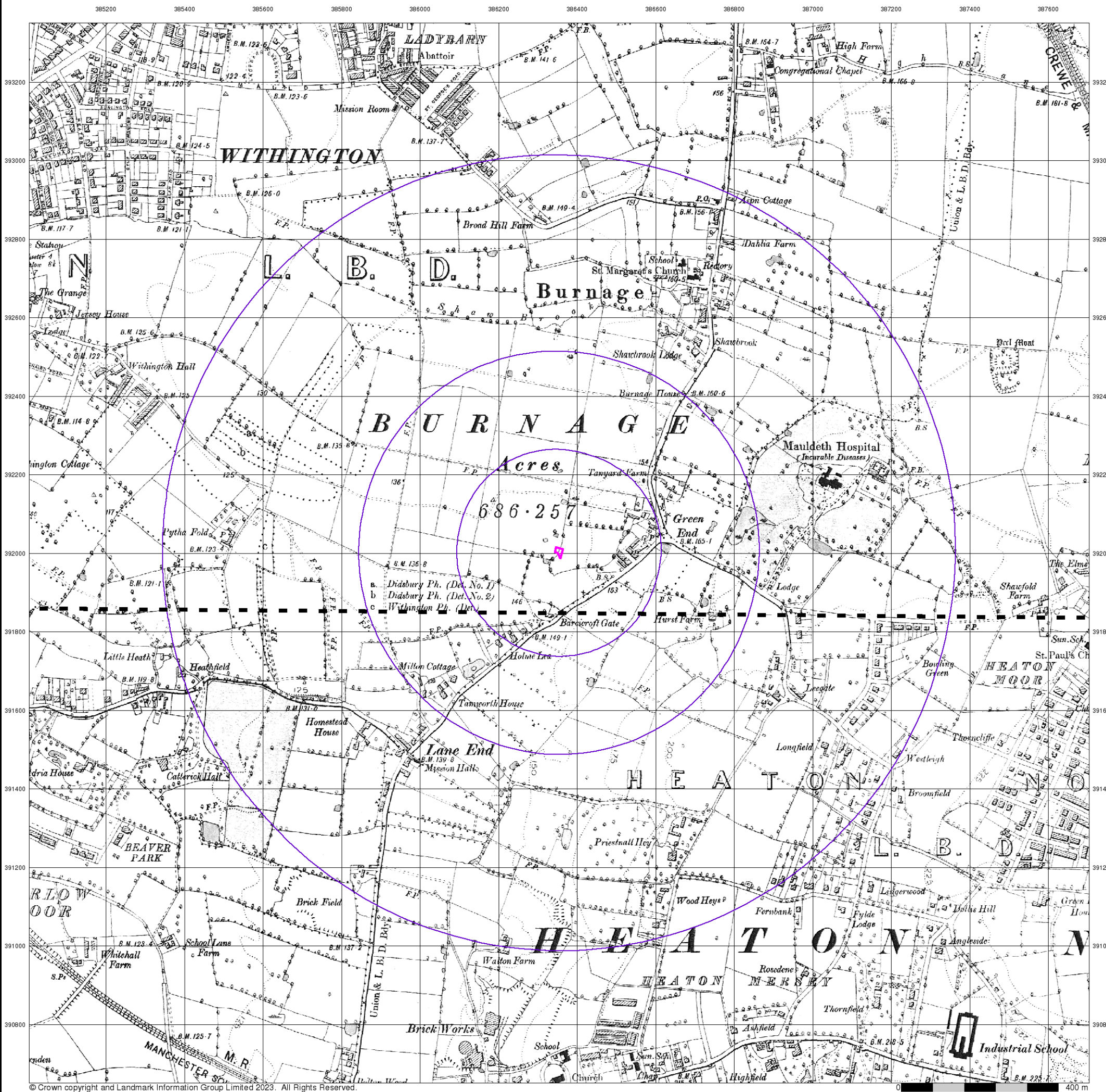


Order Details
Order Number: 308757392_1_1
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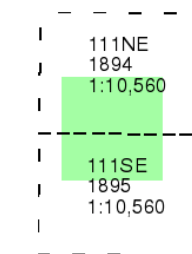
Lancashire And Furness

Published 1894 - 1895

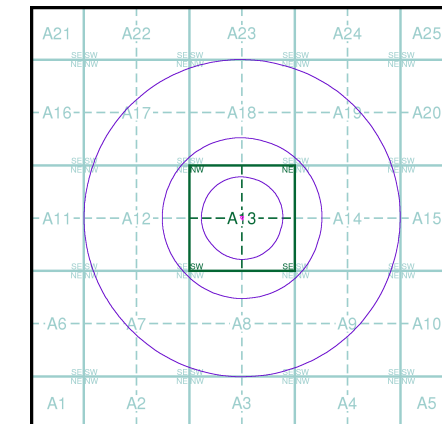
Source map scale - 1:10,560

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.

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Historical Map - Slice A



Order Details

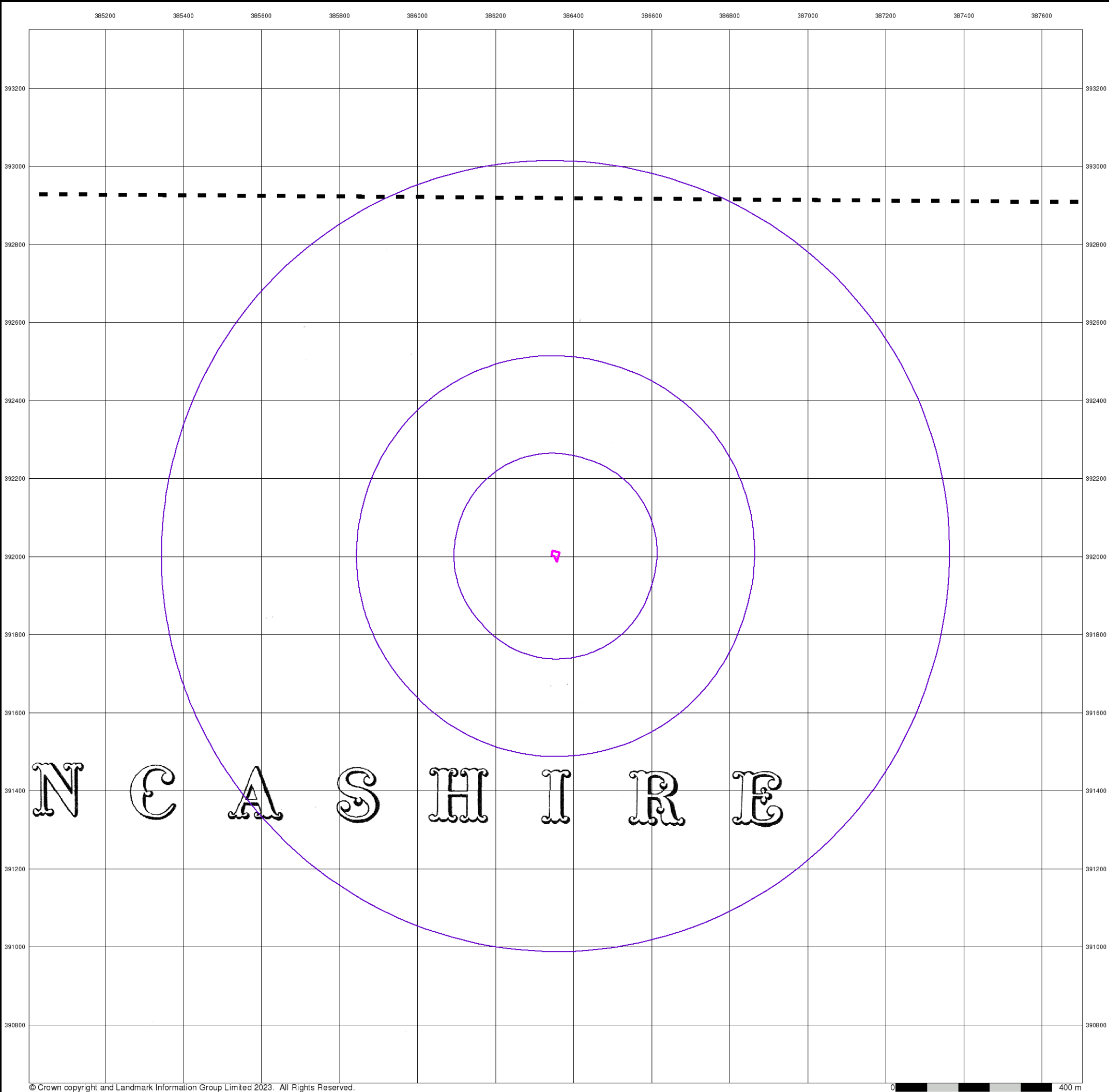
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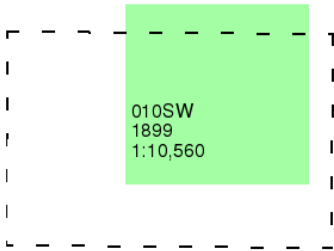
Cheshire

Published 1899

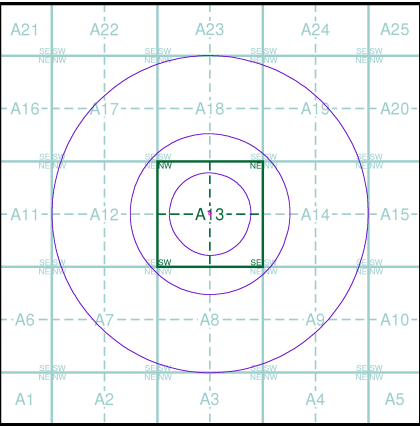
Source map scale - 1:10,560

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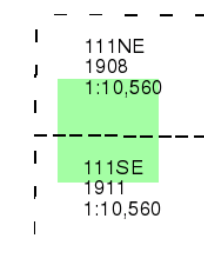
Lancashire And Furness

Published 1908 - 1911

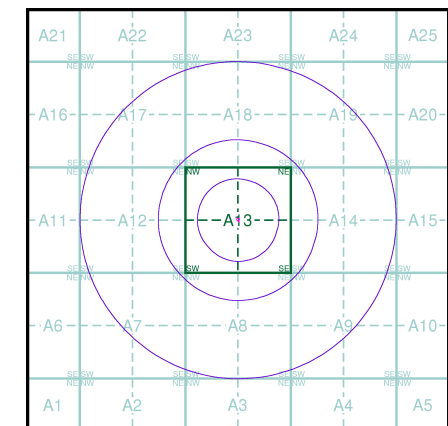
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

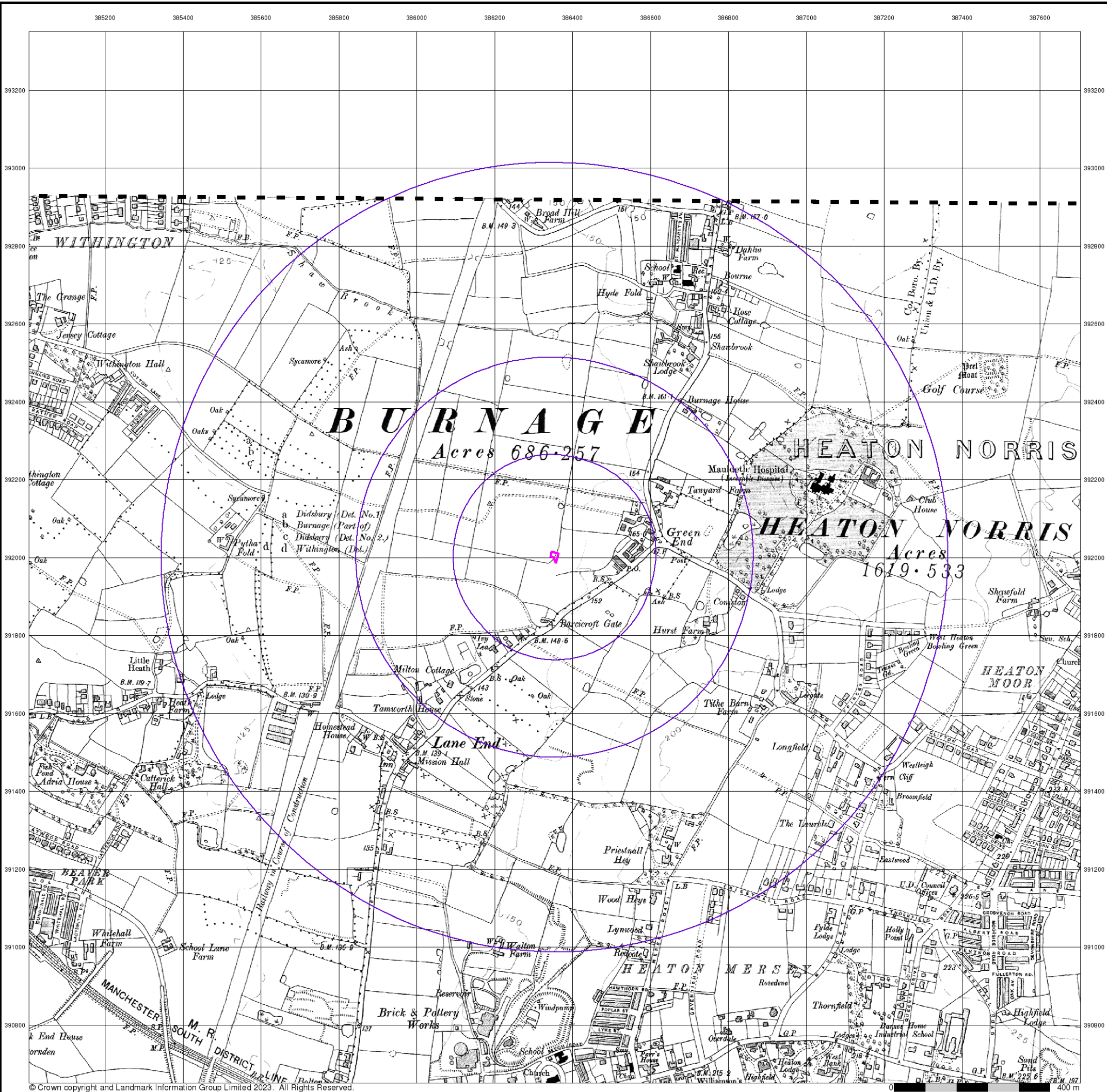
Order Number: 308757392_1_1
Customer Ref: GSI 1861
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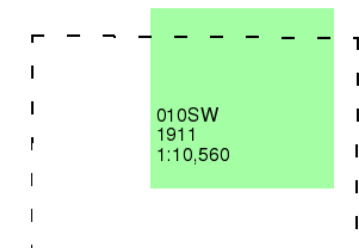
Cheshire

Published 1911

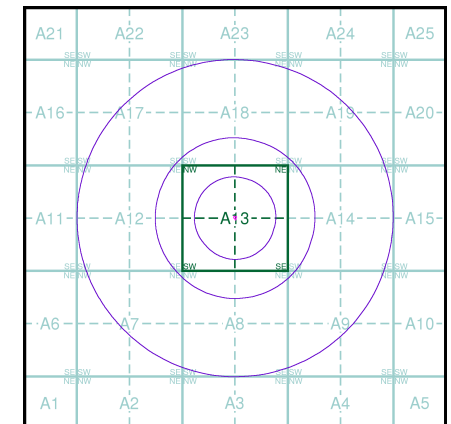
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

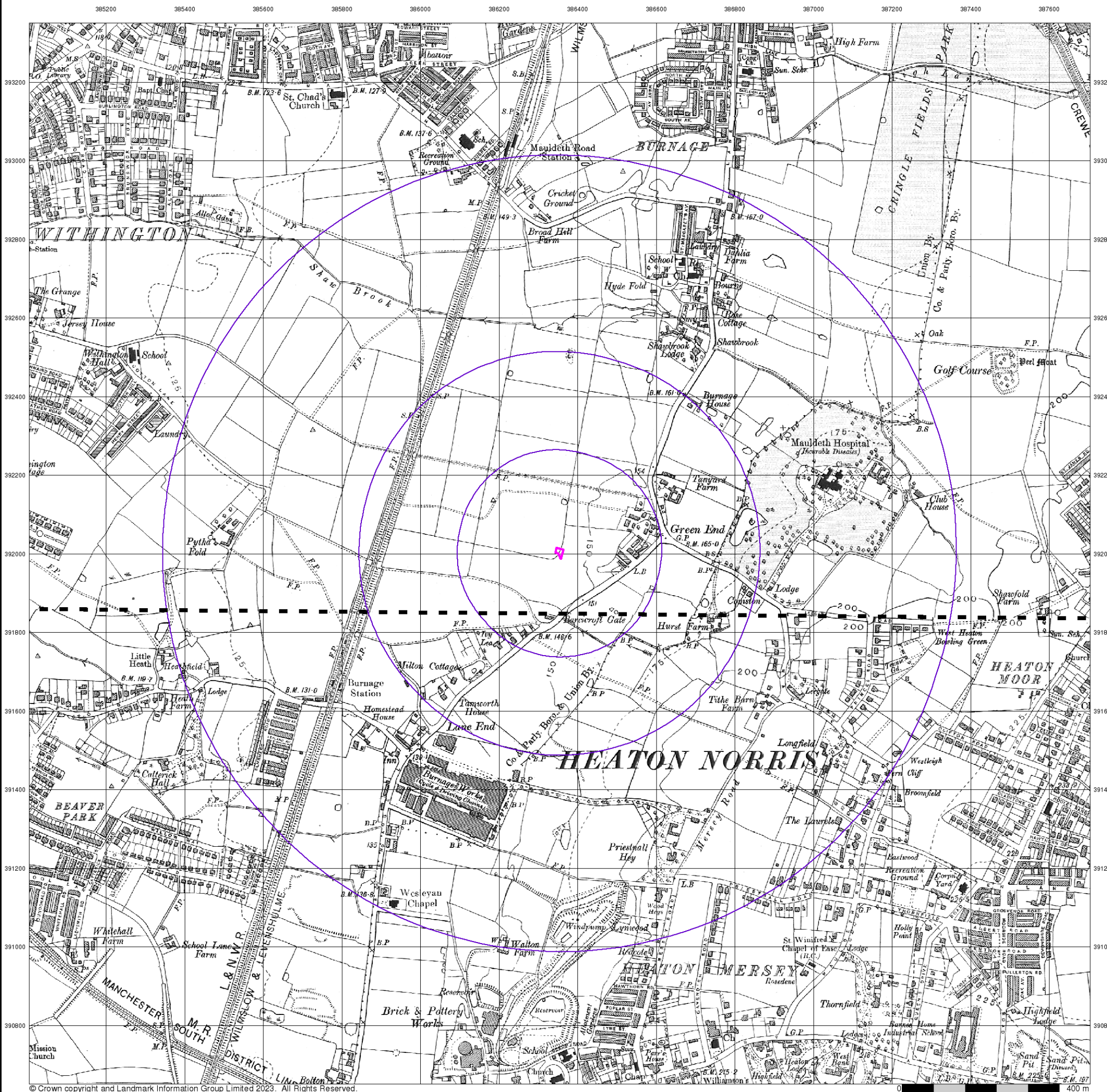
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National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

48, Overlea Drive, Manchester, M19 1QU



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



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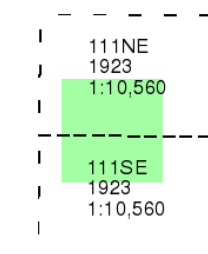
Lancashire And Furness

Published 1923

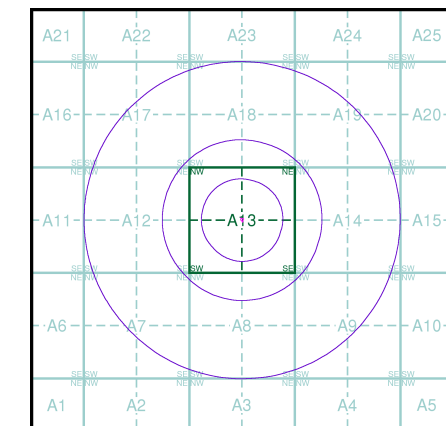
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

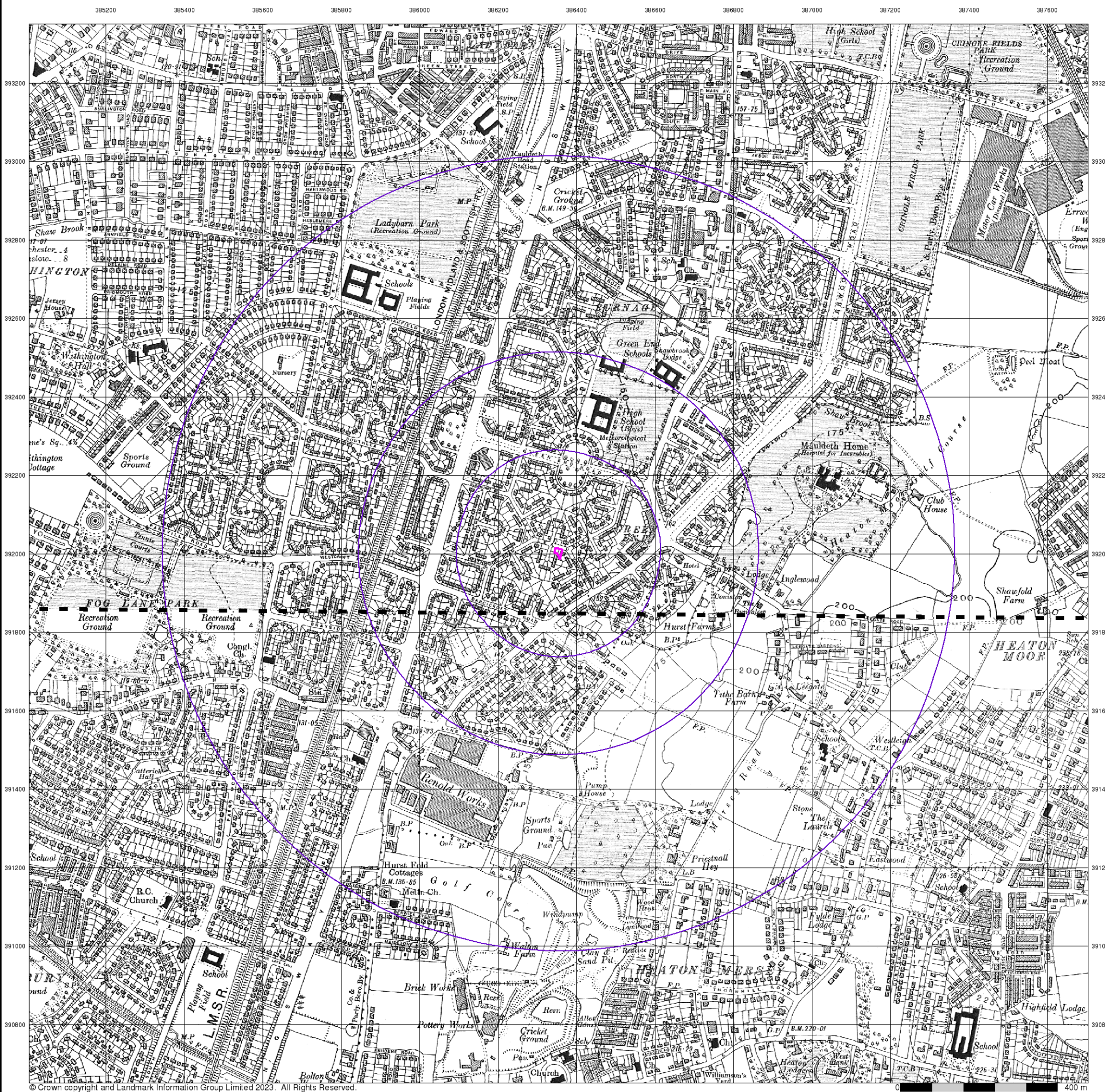
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Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1934

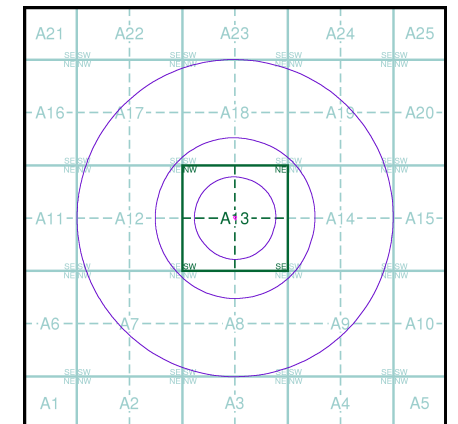
Source map scale - 1:10,560

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)

111NE
1934
1:10,560
111SE
1934
1:10,560

Historical Map - Slice A



Order Details

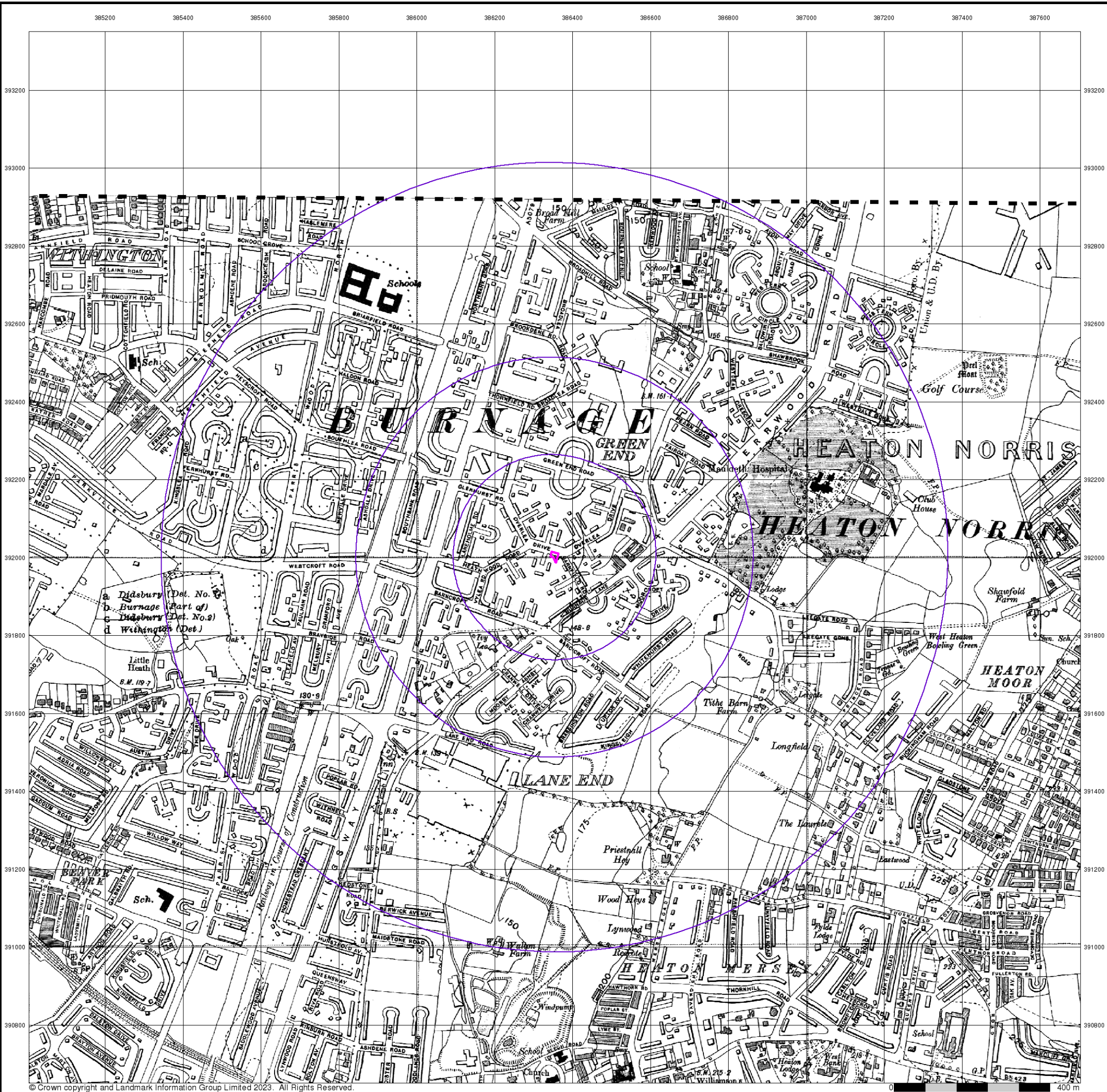
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Customer Ref: GSI 1861
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Slice: A
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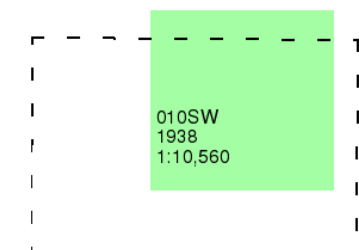
Cheshire

Published 1938

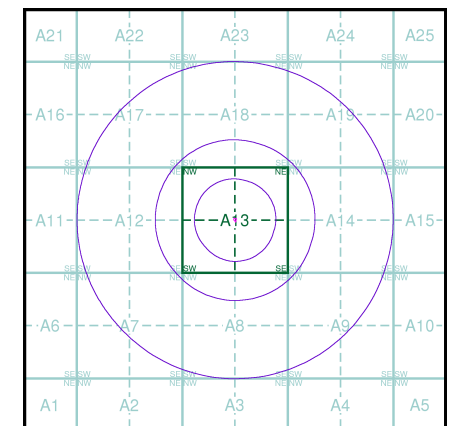
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
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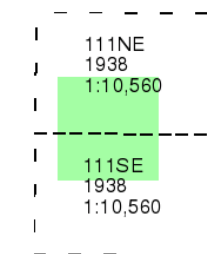
Lancashire And Furness

Published 1938

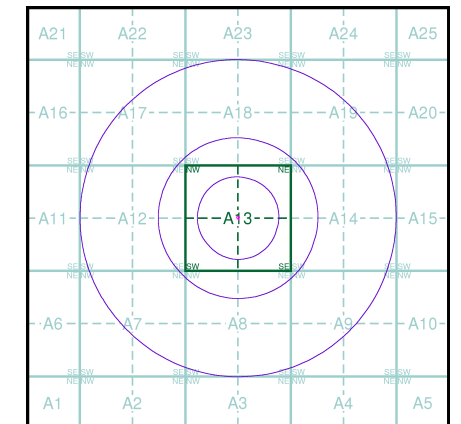
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

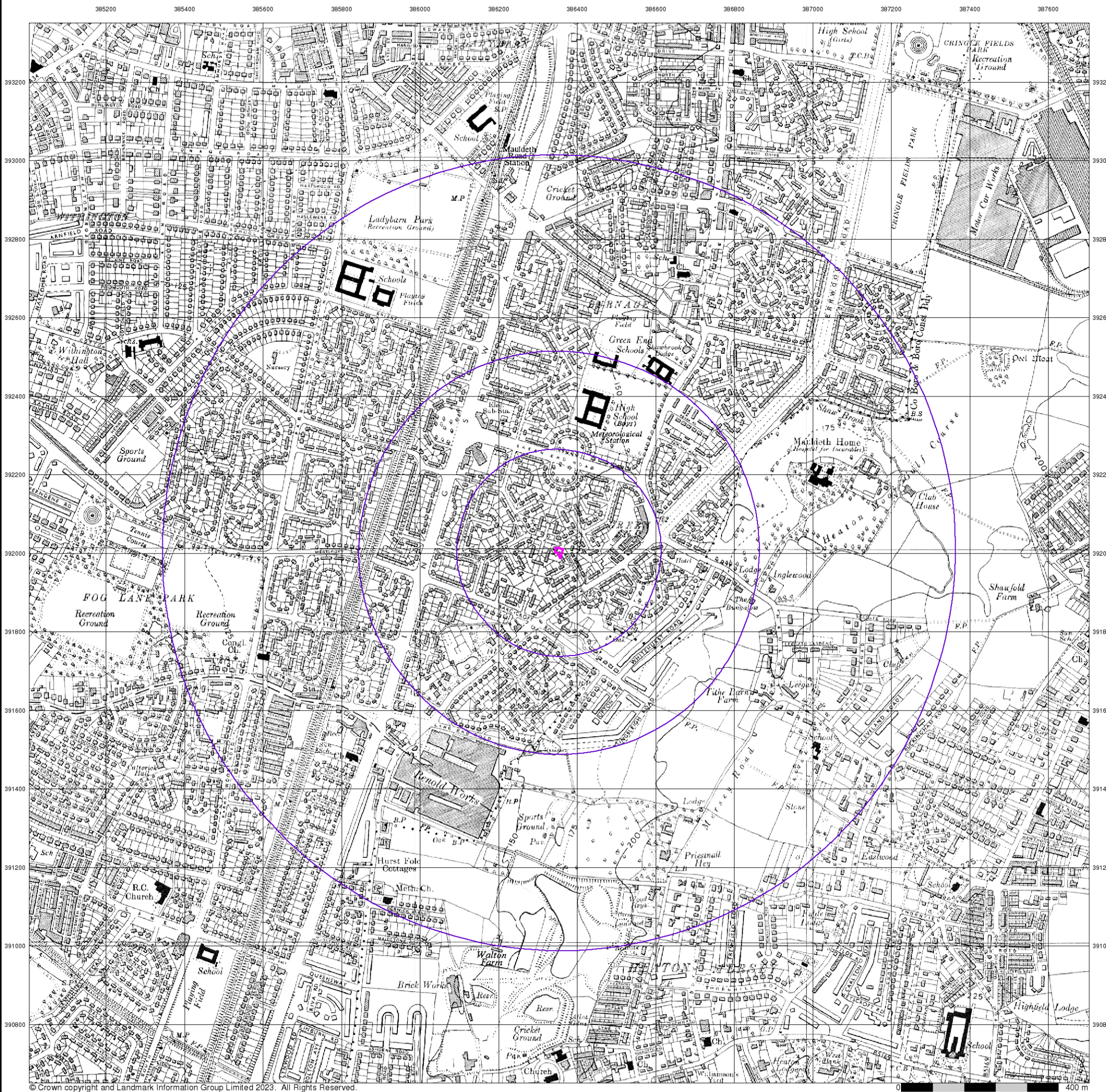
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Slice: A
Site Area (Ha): 0.03
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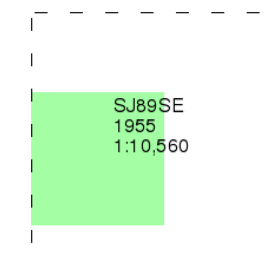
Ordnance Survey Plan

Published 1955

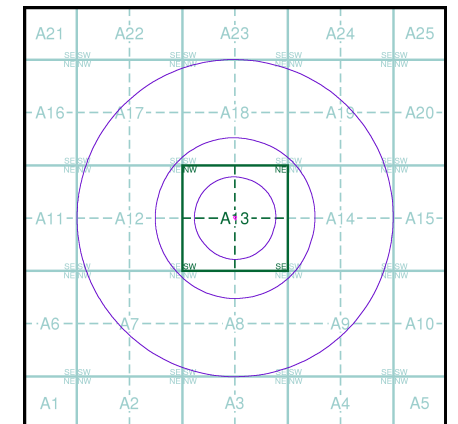
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

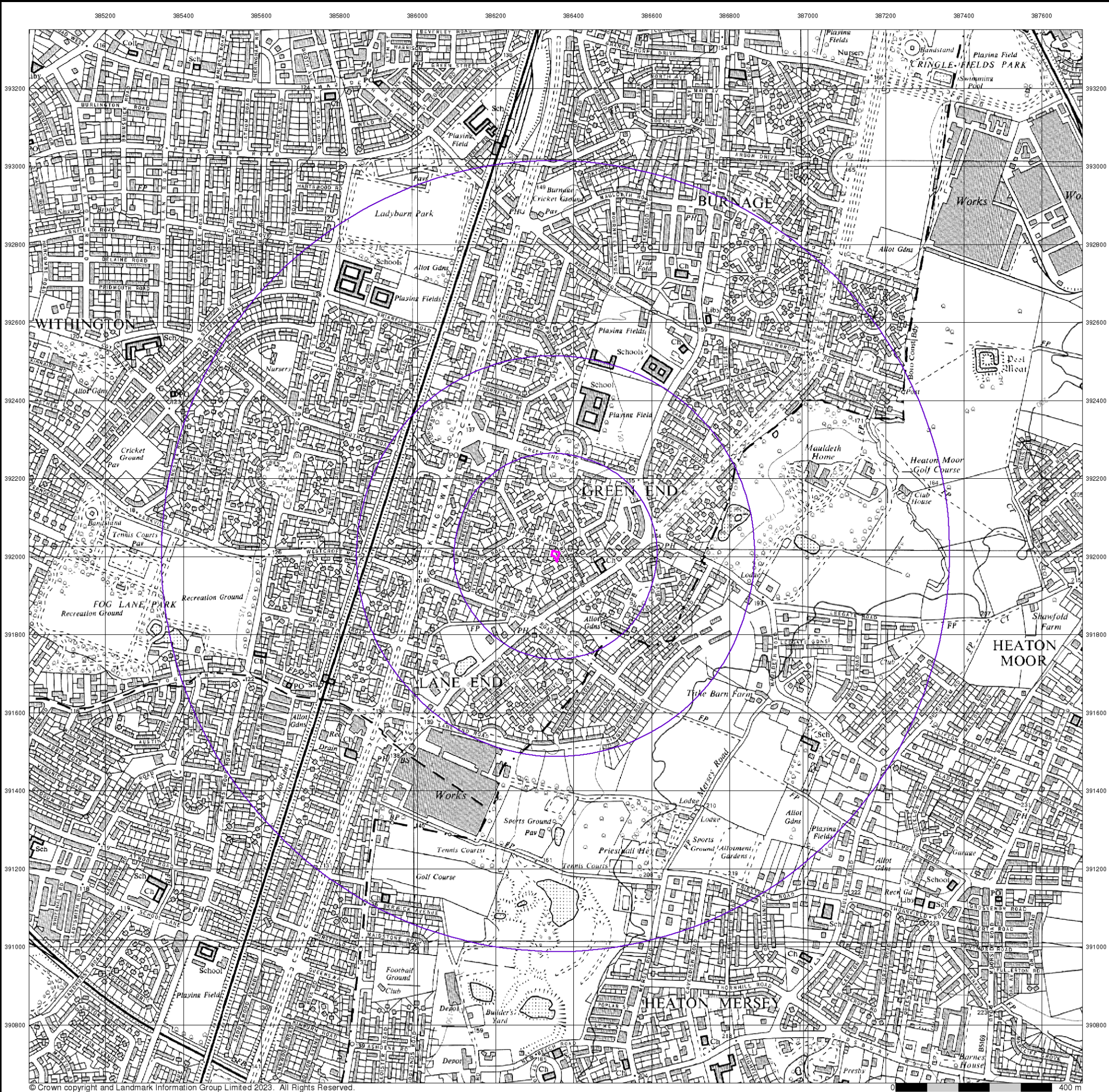
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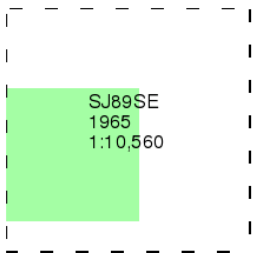
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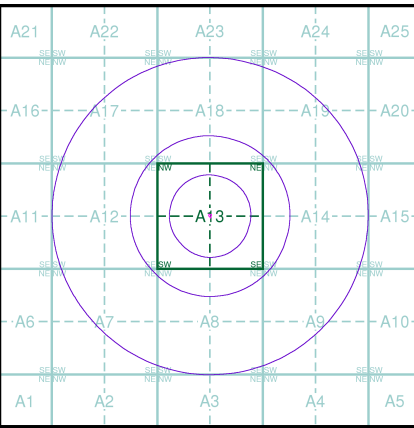
Ordnance Survey Plan
Published 1965
Source map scale - 1:10,000

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)

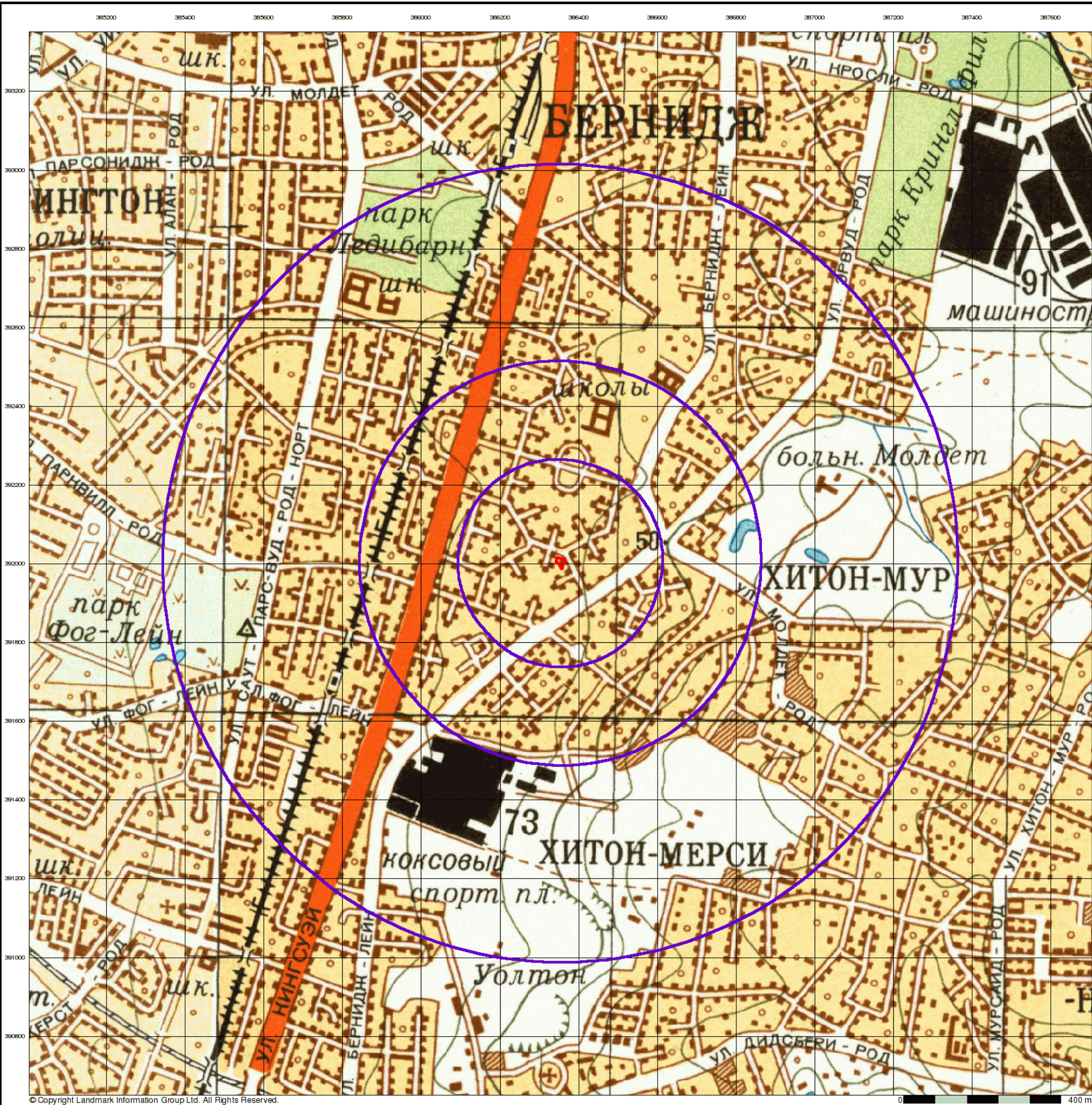


Historical Map - Slice A



Order Details
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details
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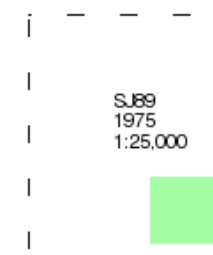
Manchester

Published 1975

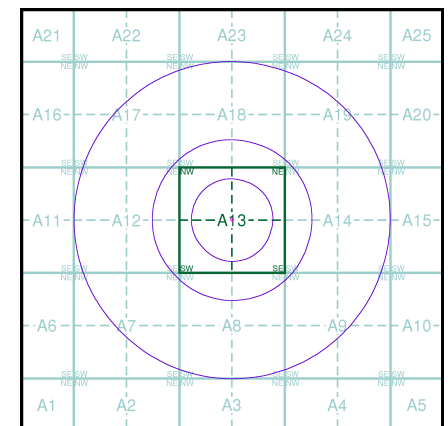
Source map scale - 1:25,000

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

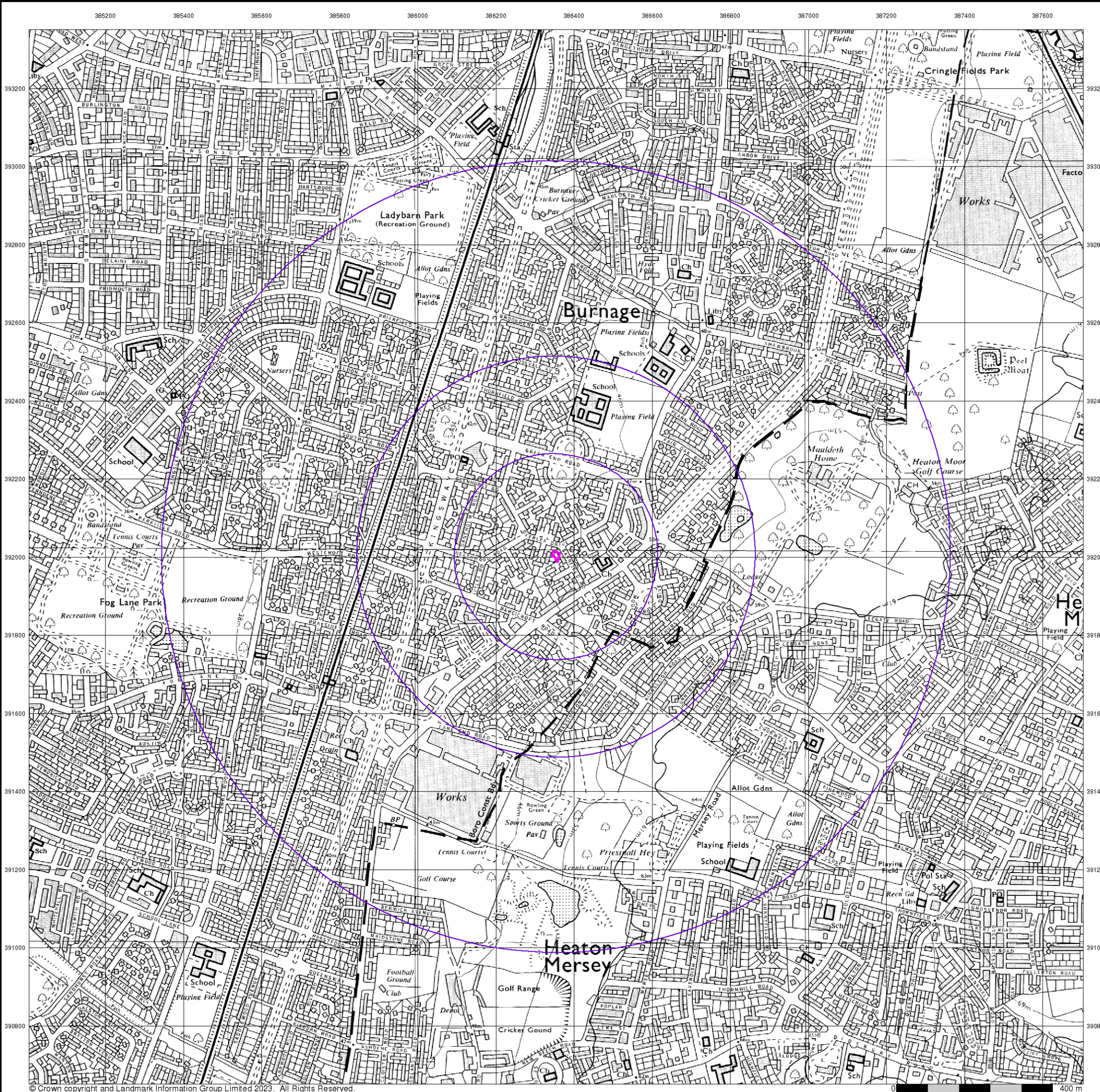
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Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
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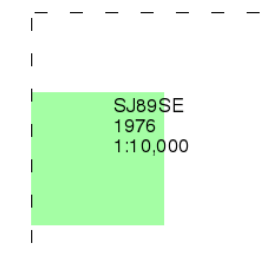
Ordnance Survey Plan

Published 1976

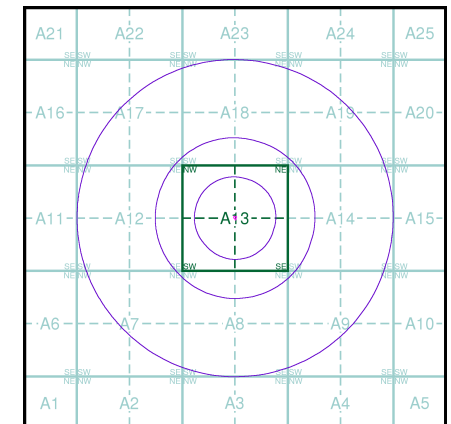
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

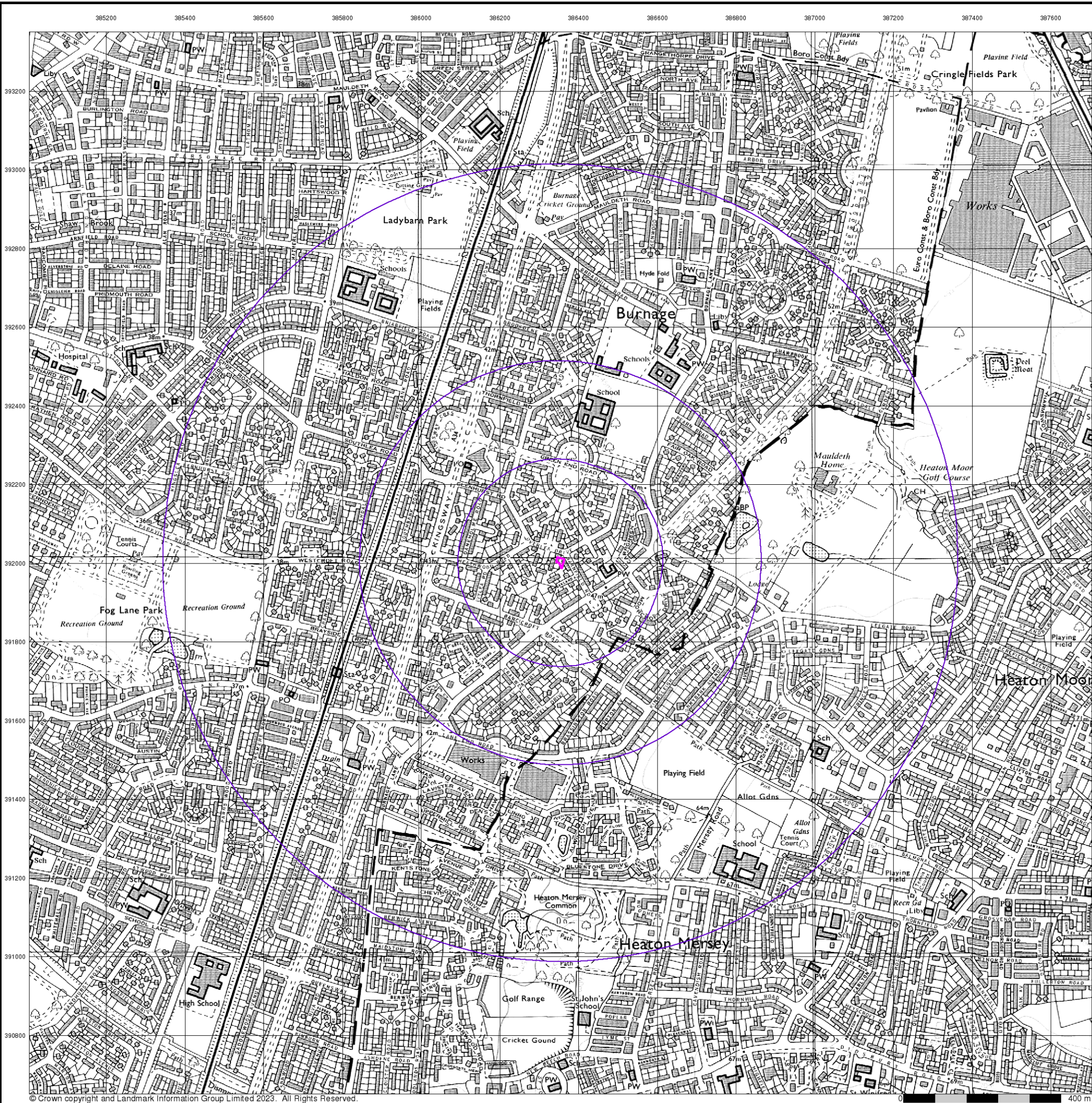
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Slice: A
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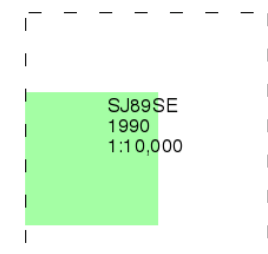
Ordnance Survey Plan

Published 1990

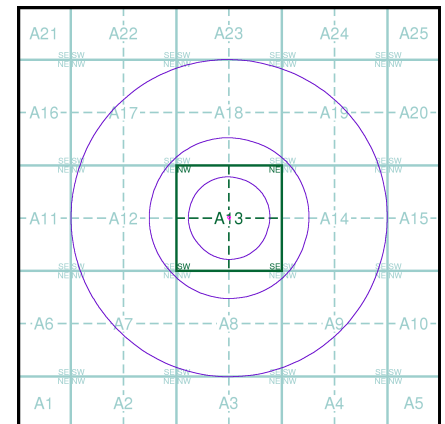
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

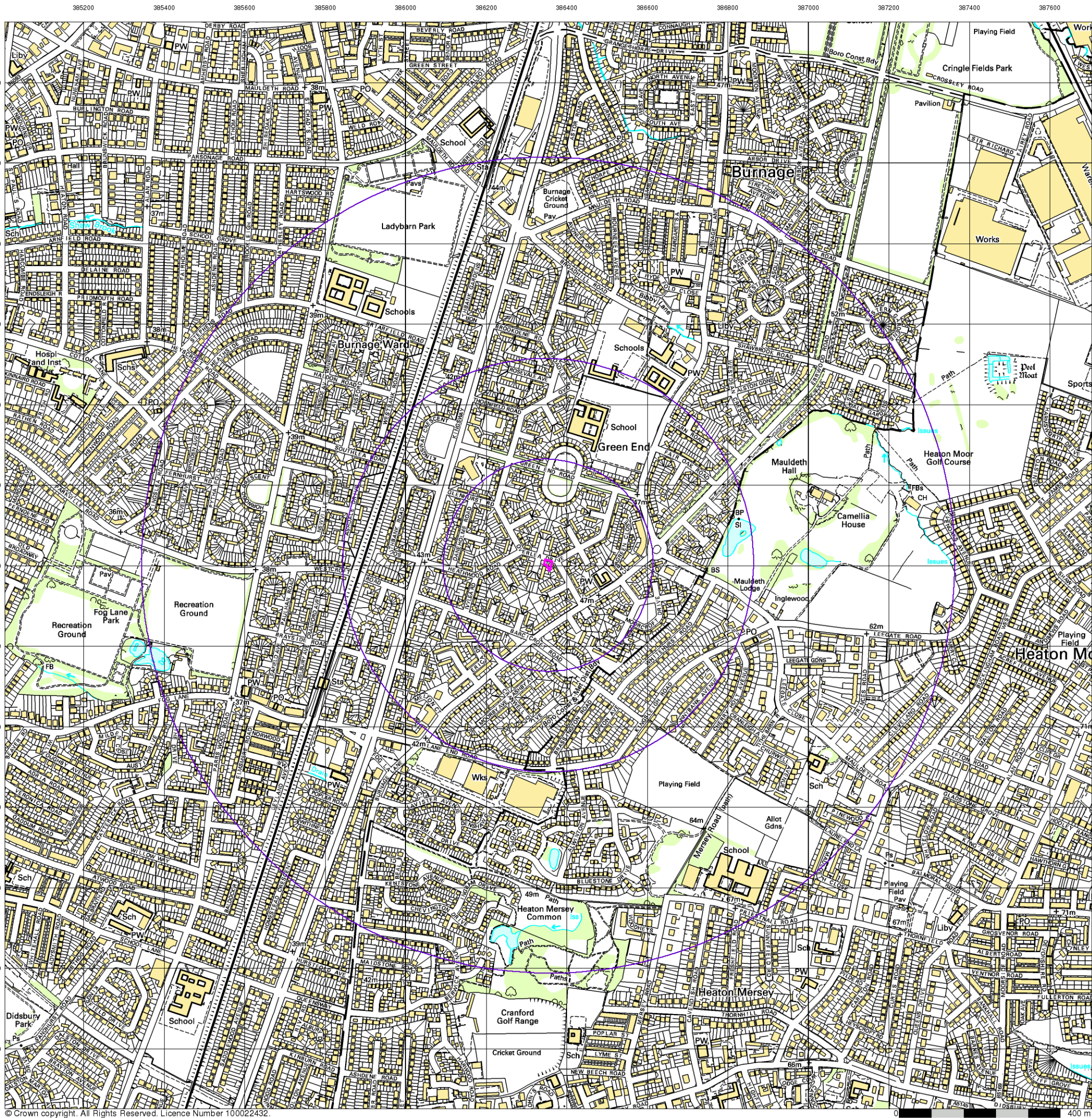
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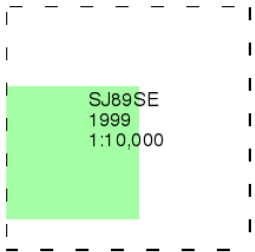
10k Raster Mapping

Published 1999

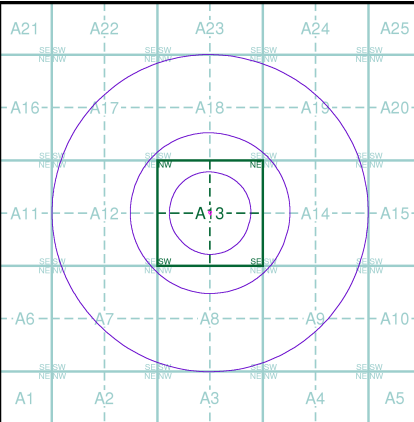
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

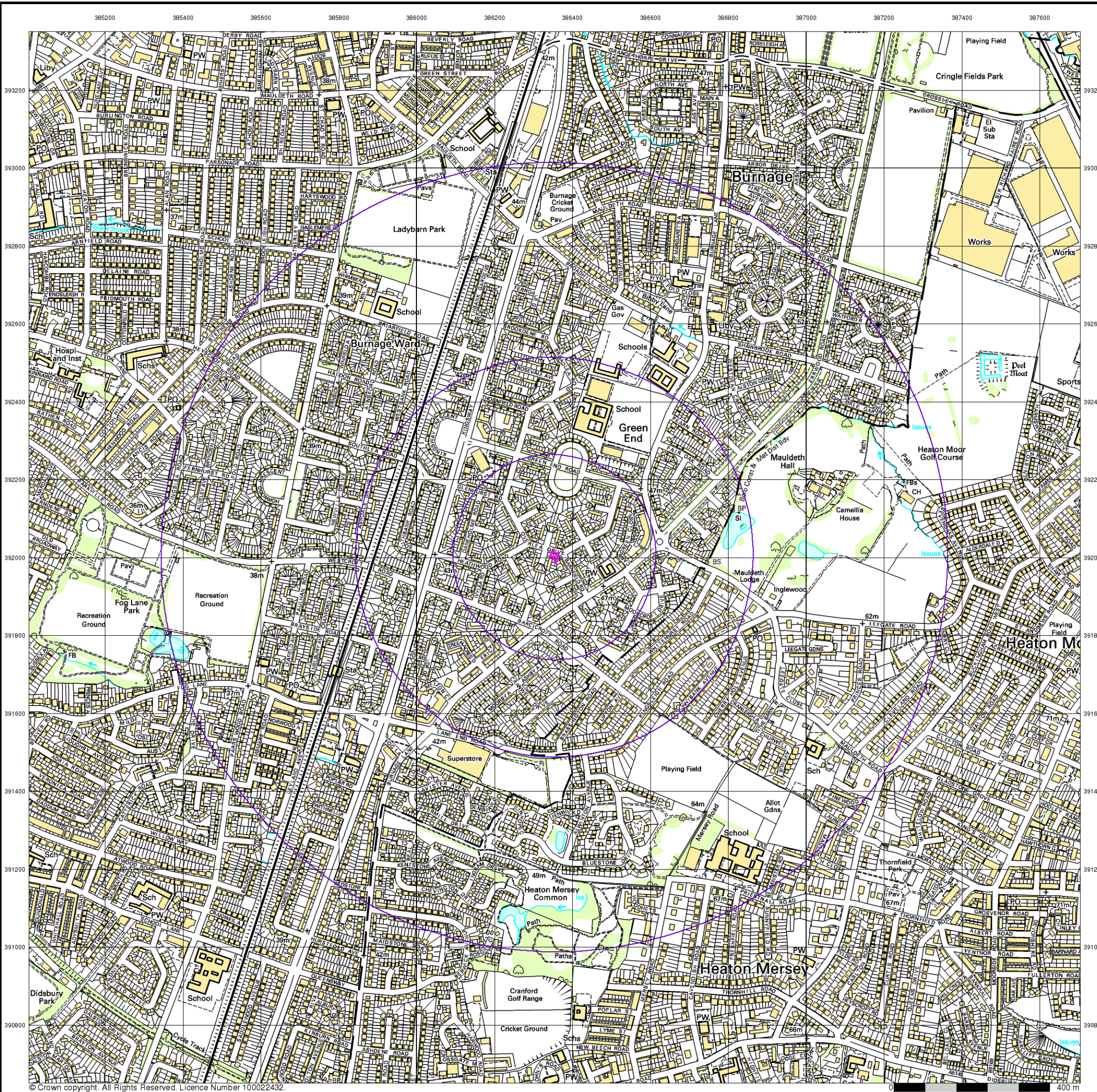
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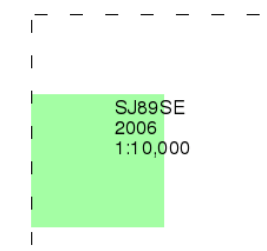
10k Raster Mapping

Published 2006

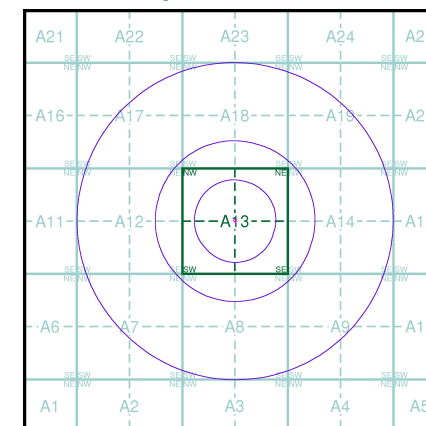
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
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Historical Mapping Legends

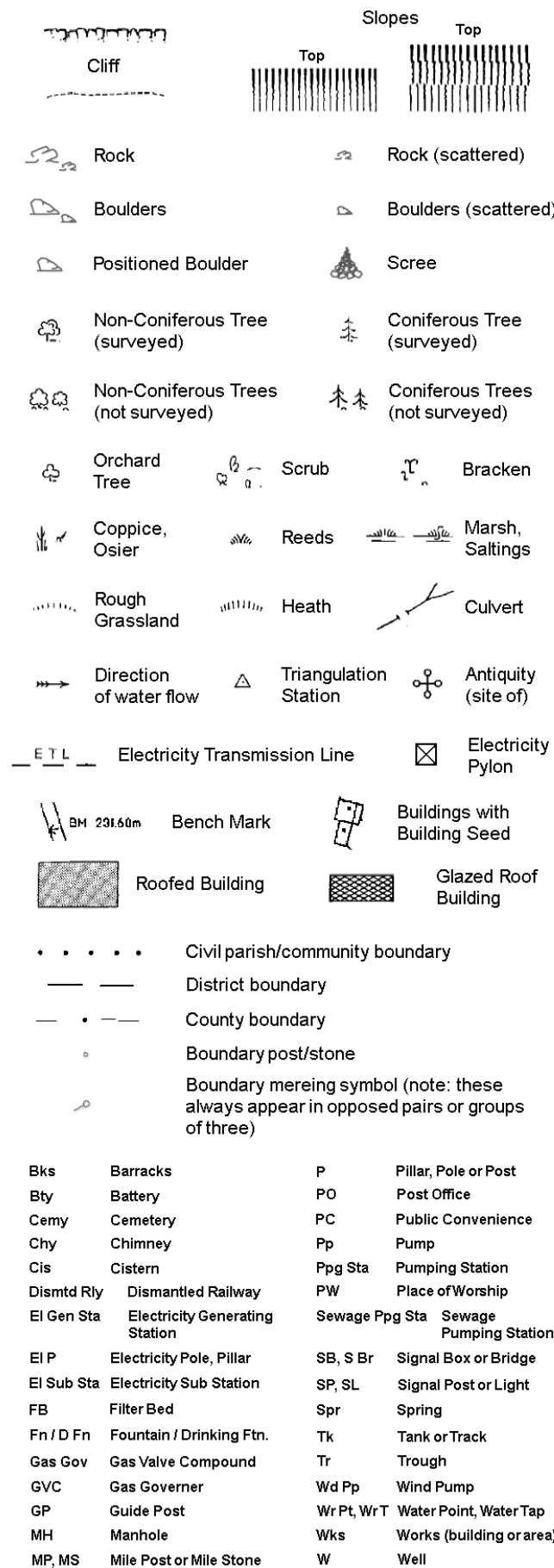
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



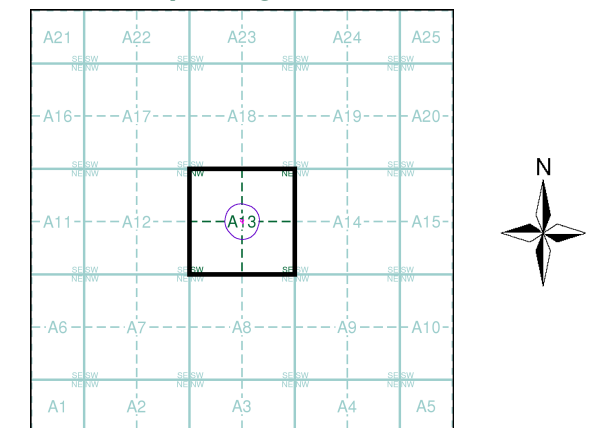
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1894	2
Lancashire And Furness	1:2,500	1907	3
Lancashire And Furness	1:2,500	1922	4
Lancashire And Furness	1:2,500	1934	5
Ordnance Survey Plan	1:1,250	1958	6
Ordnance Survey Plan	1:2,500	1959	7
Ordnance Survey Plan	1:1,250	1963 - 1971	8
Additional SIMs	1:1,250	1979 - 1988	9
Additional SIMs	1:1,250	1988	10
Ordnance Survey Plan	1:1,250	1989	11
Large-Scale National Grid Data	1:1,250	1992	12
Historical Aerial Photography	1:2,500	2000	13

Historical Map - Segment A13



Order Details

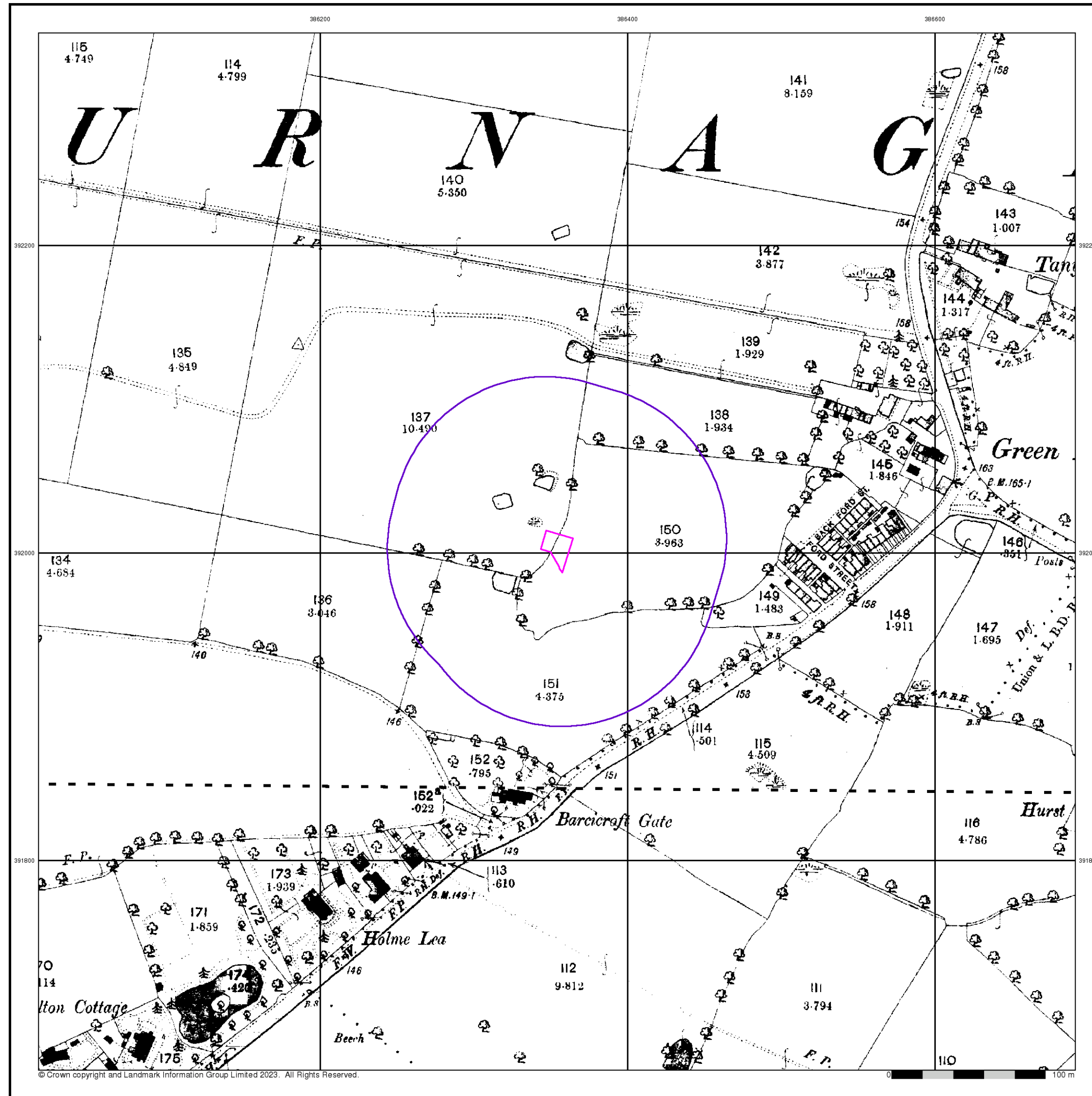
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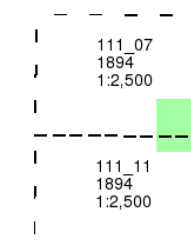
Lancashire And Furness

Published 1894

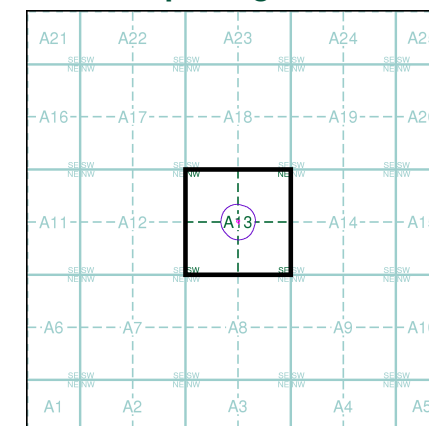
Source map scale - 1:2,500

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: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
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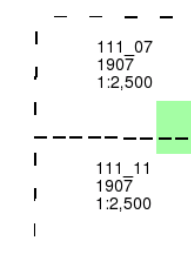
Lancashire And Furness

Published 1907

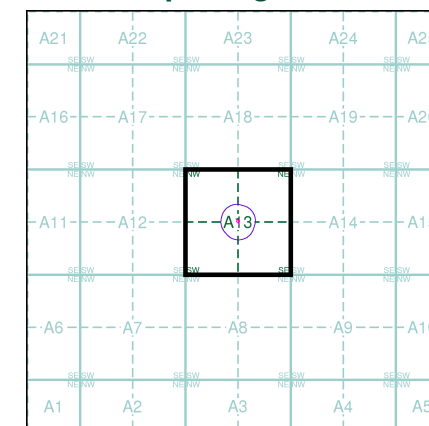
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

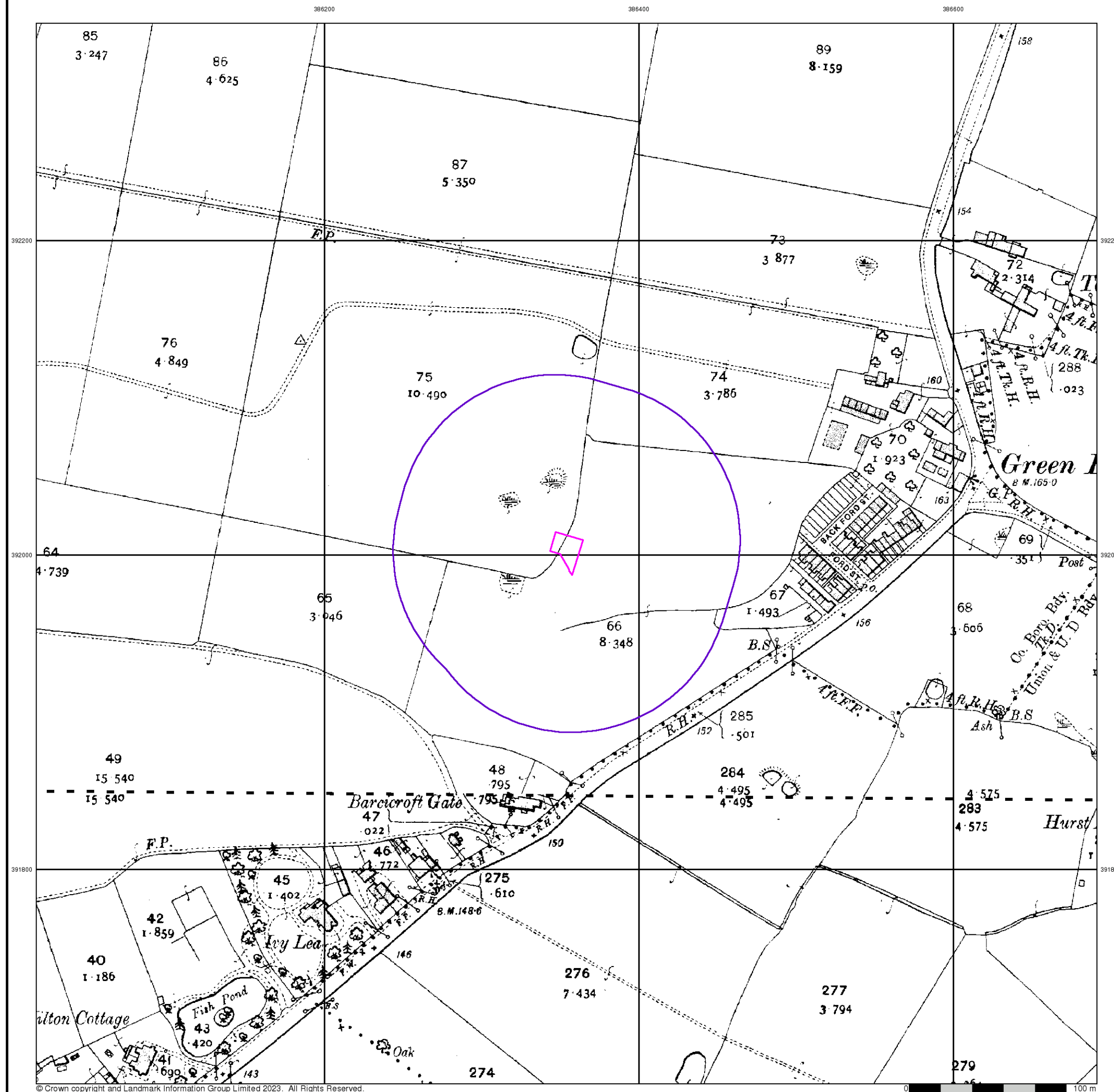
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Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
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Lancashire And Furness

Published 1922

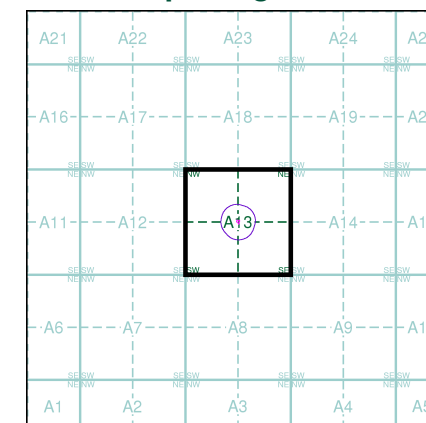
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

111_07
1922
1:2,500
111_11
1922
1:2,500

Historical Map - Segment A13



Order Details

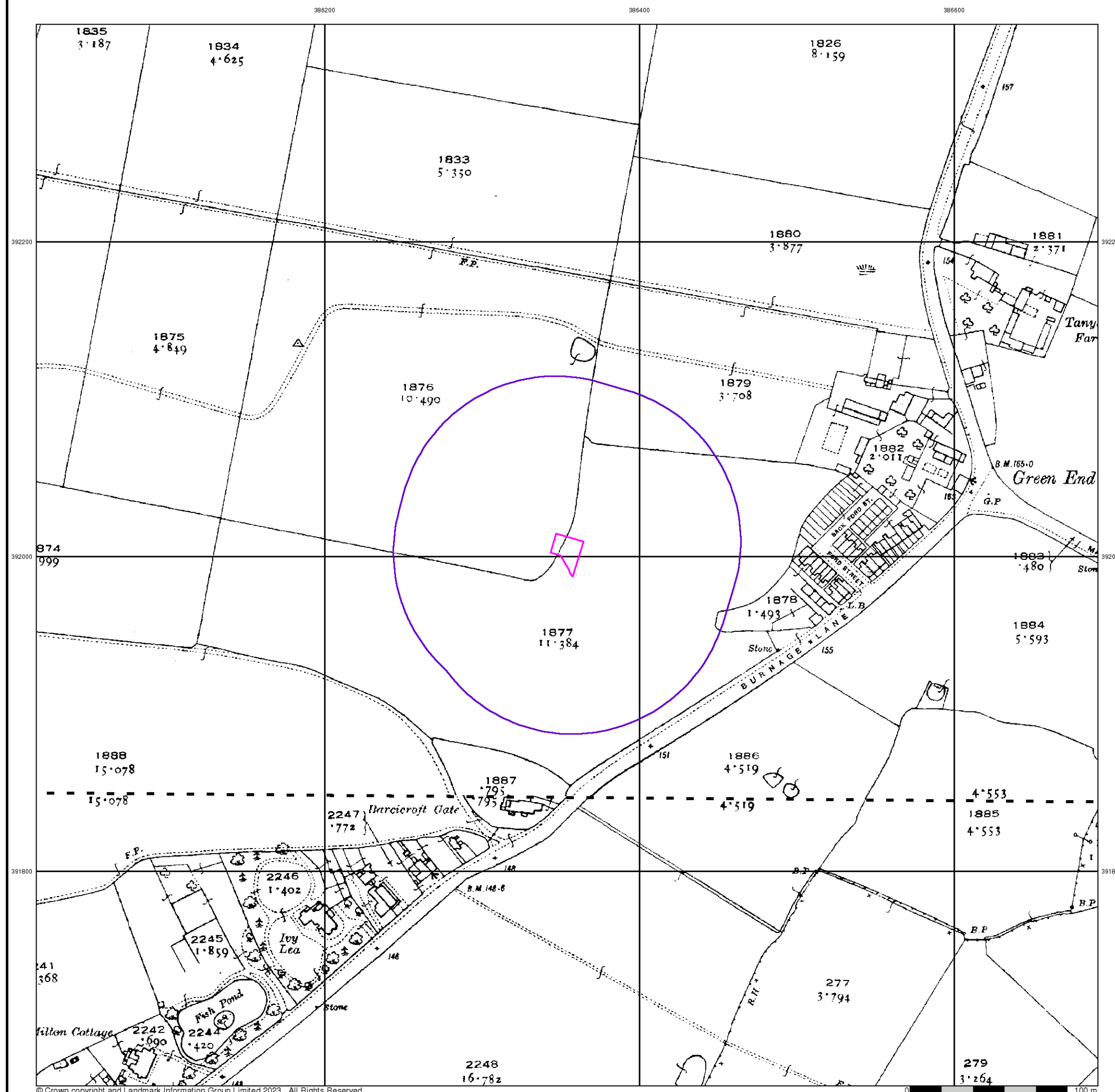
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

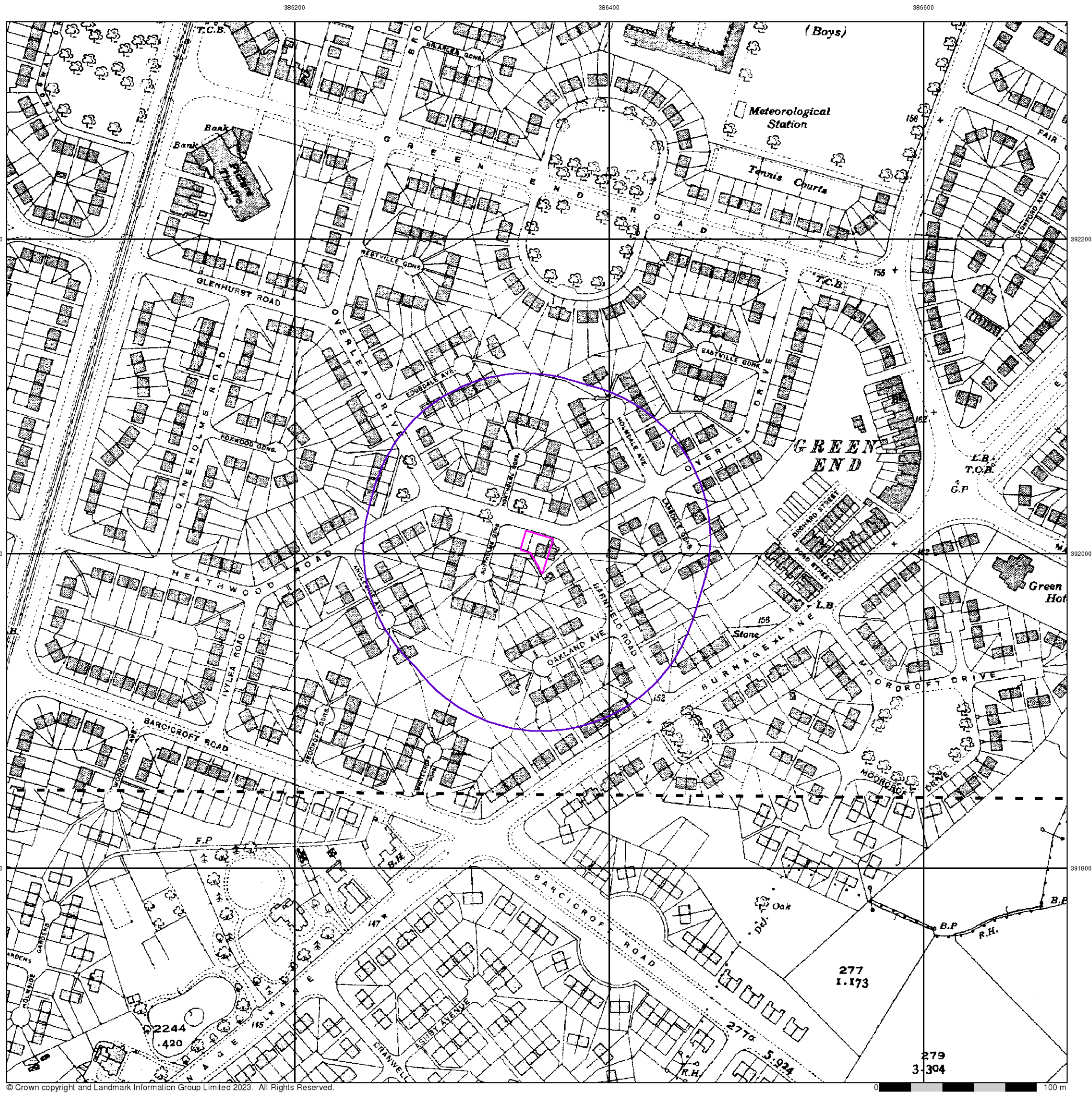
Site Details

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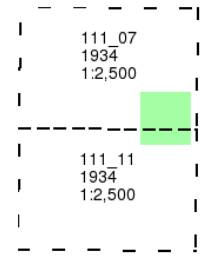
Lancashire And Furness

Published 1934

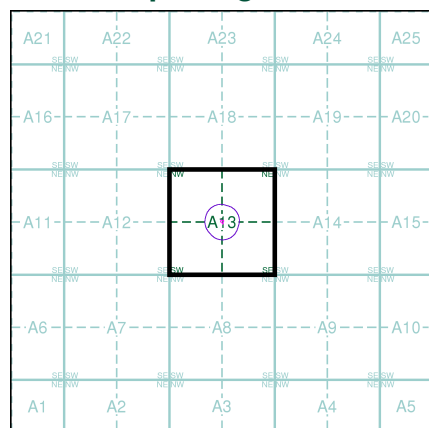
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

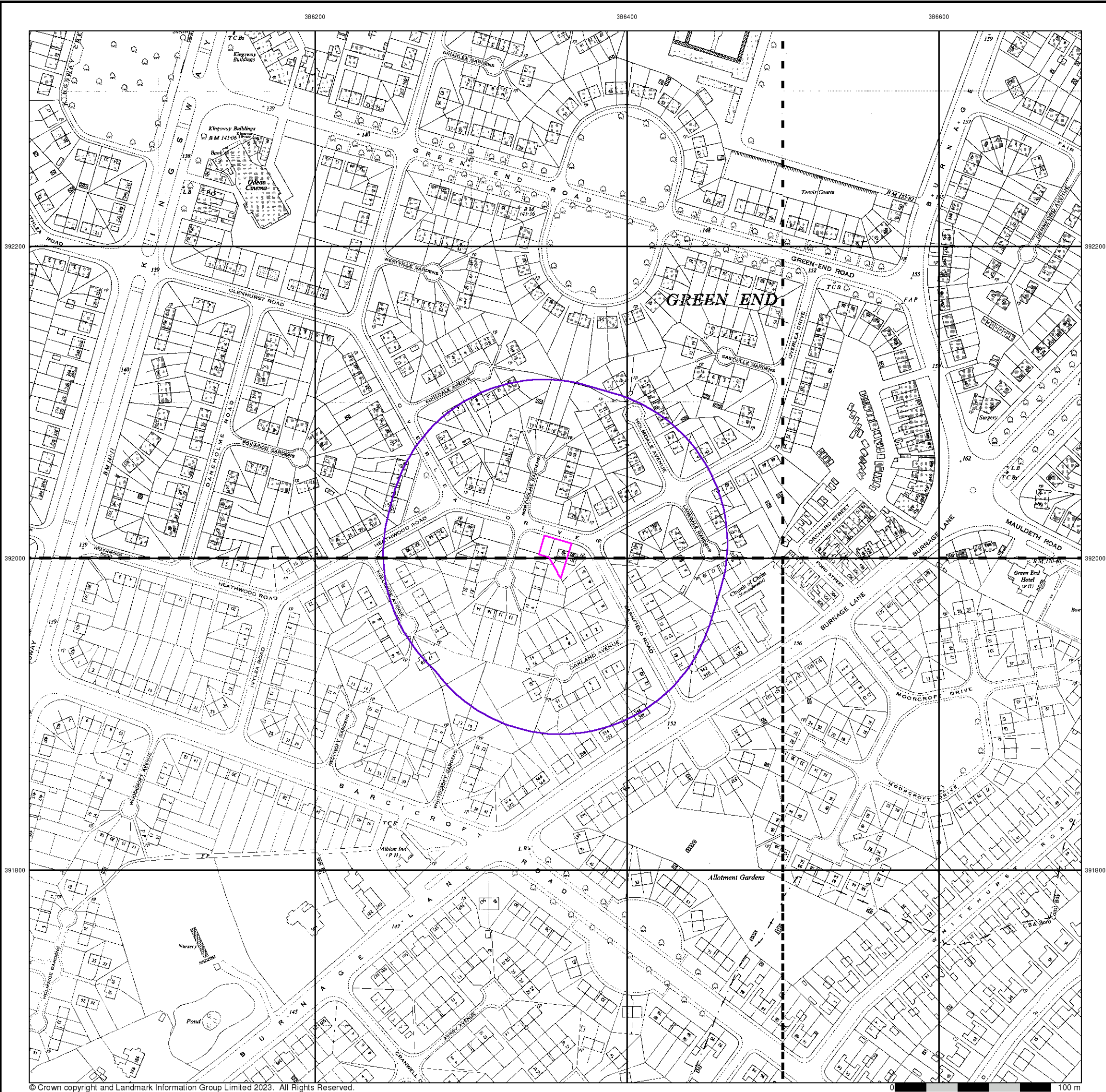
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1958

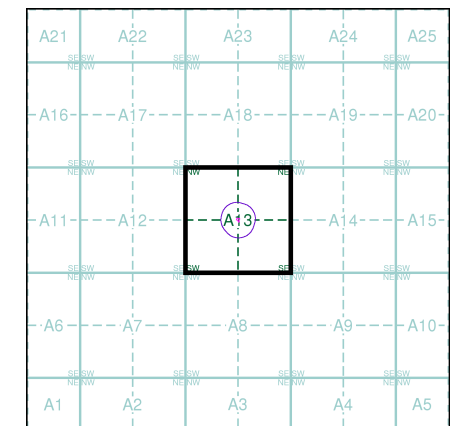
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8692SW	SJ8692SE
1958	1958
1:1,250	1:1,250
SJ8691NW	SJ8691NE
1958	1958
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1959

Source map scale - 1:2,500

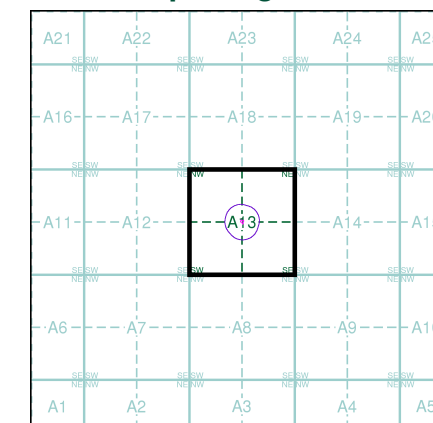
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

SJ8692
1959
1:2,500

SJ8691
1959
1:2,500

Historical Map - Segment A13



Order Details

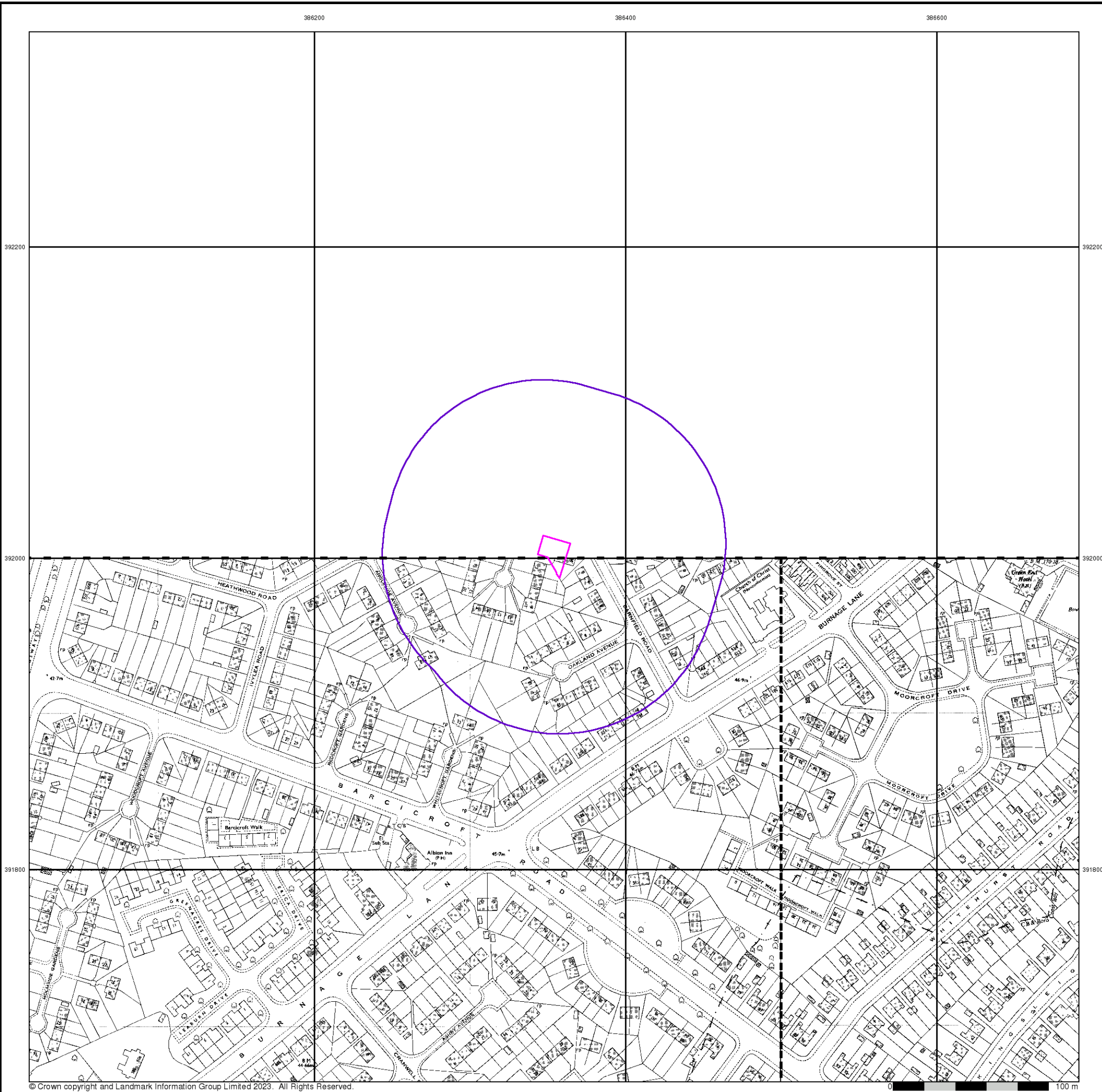
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

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Ordinance Survey Plan

Published 1963 - 1971

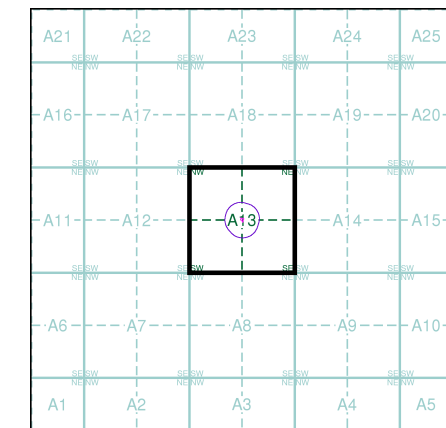
Source map scale - 1:1,250

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)

SJ8891NW		SJ8891NE	
1971		1963	
1:1,250		1:1,250	

Historical Map - Segment A13



Order Details

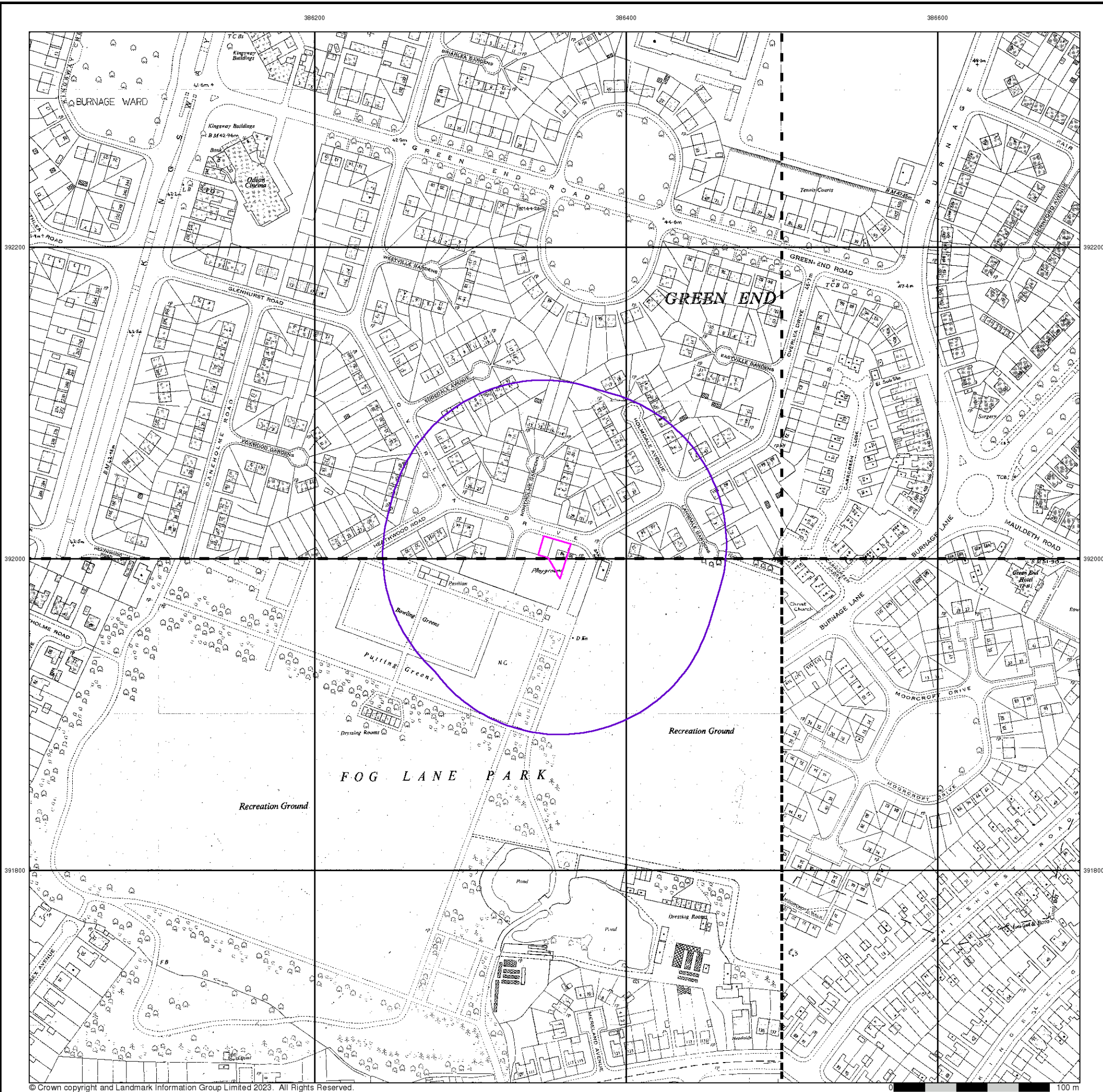
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

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Additional SIMs

Published 1979 - 1988

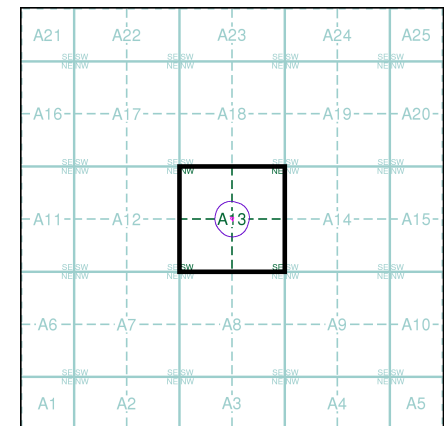
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8692SW	SJ8692SE
1986	1984
1:1,250	1:1,250
SJ8691NW	SJ8691NE
1979	1988
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

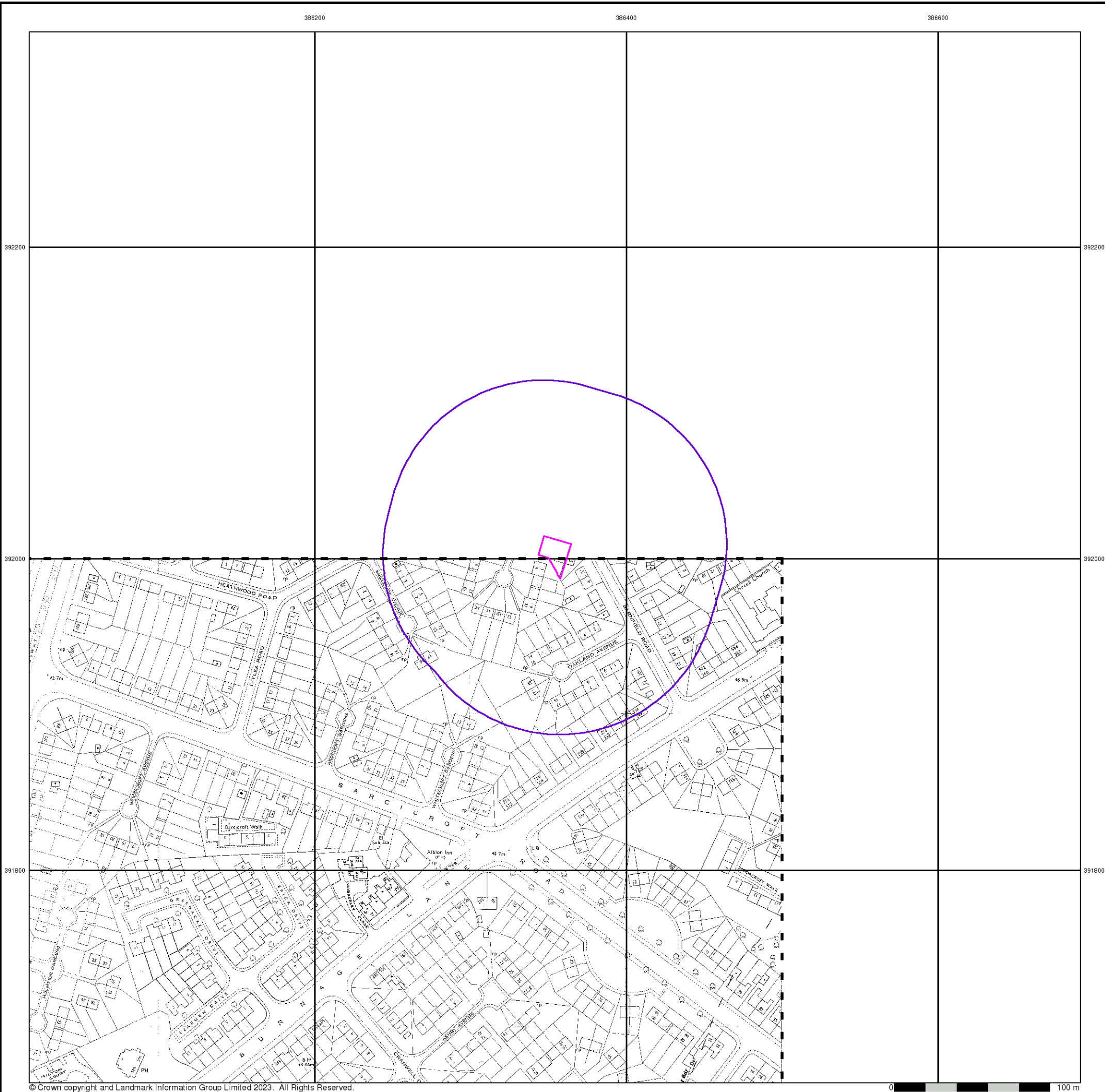
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

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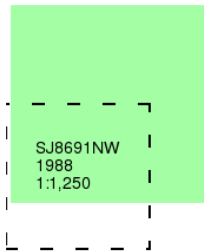
0 100 m



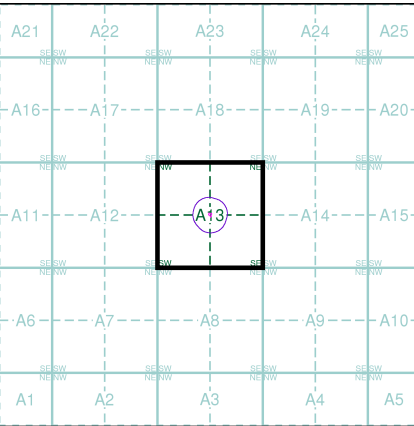
Additional SIMs
Published 1988
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

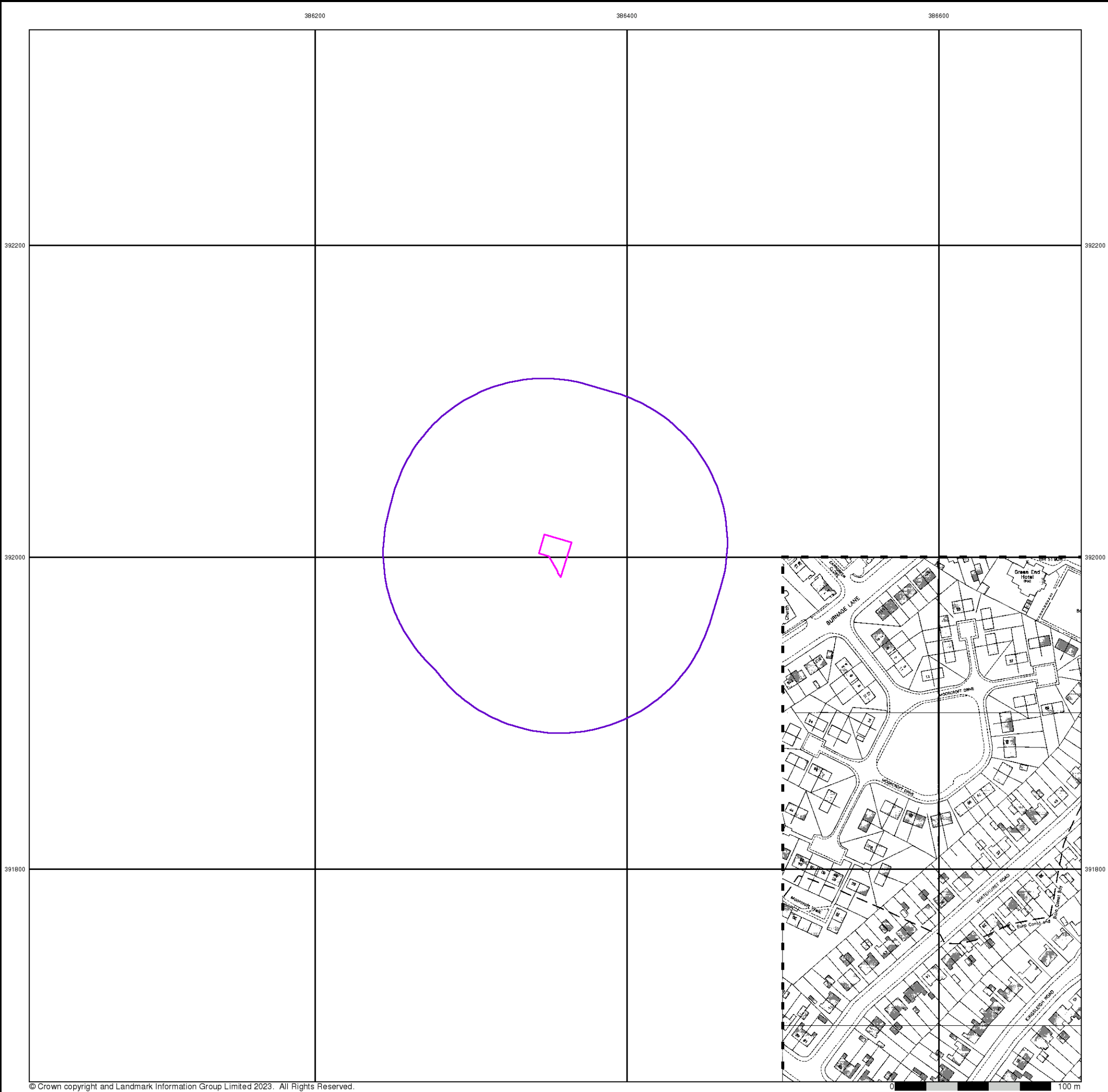


Order Details
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

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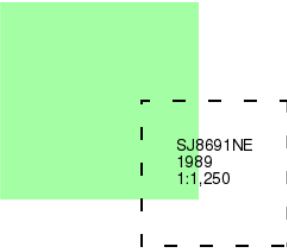
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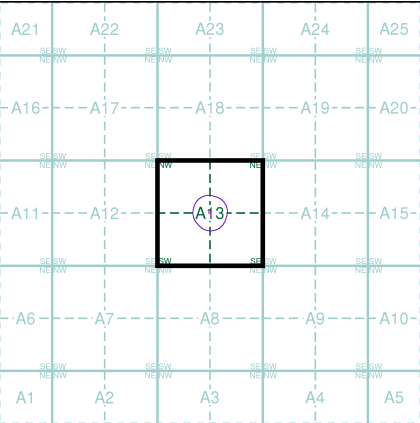
Ordinance Survey Plan
Published 1989
Source map scale - 1:1,250

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)

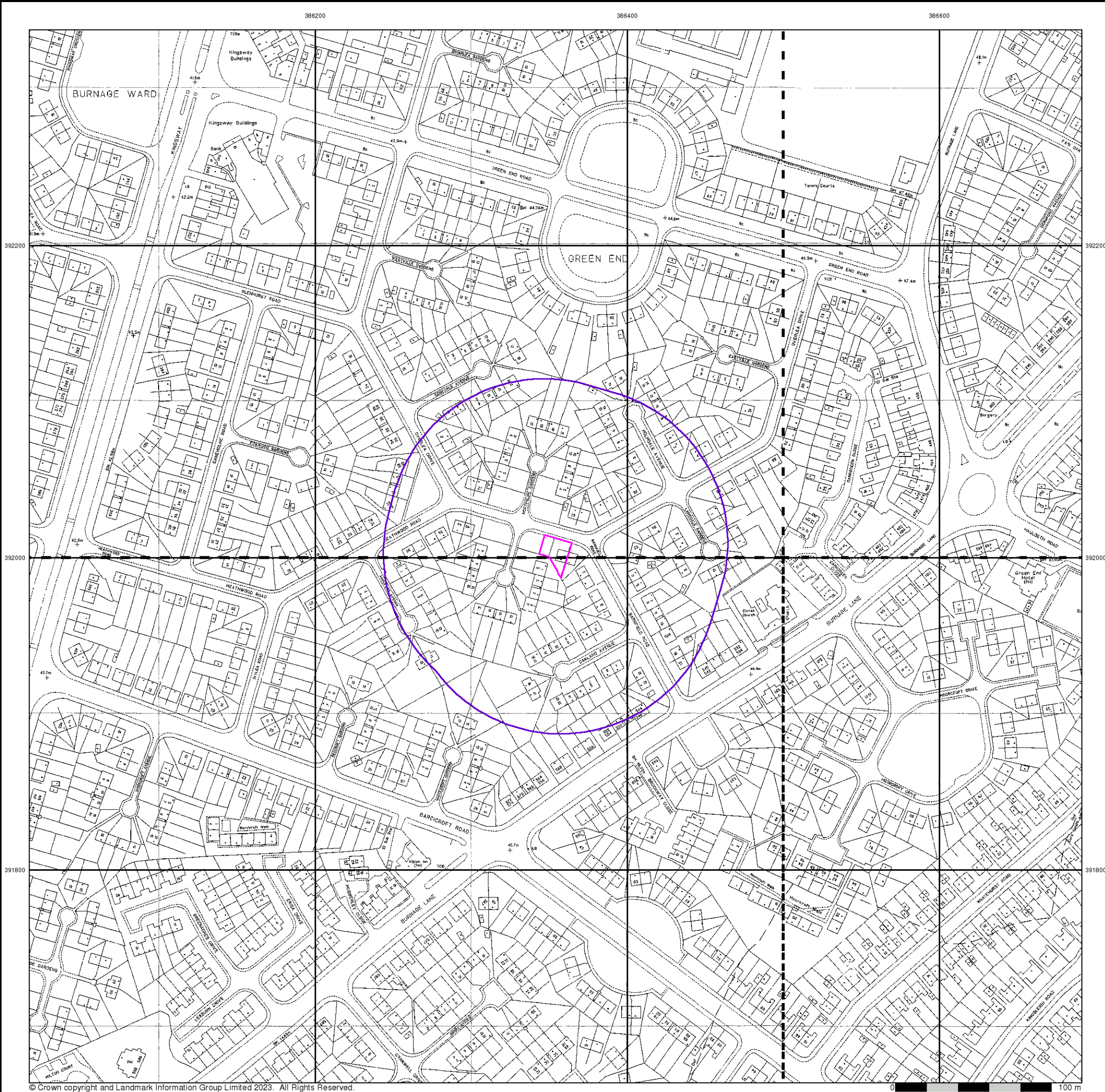


Historical Map - Segment A13



Order Details
Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details
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Large-Scale National Grid Data

Published 1992

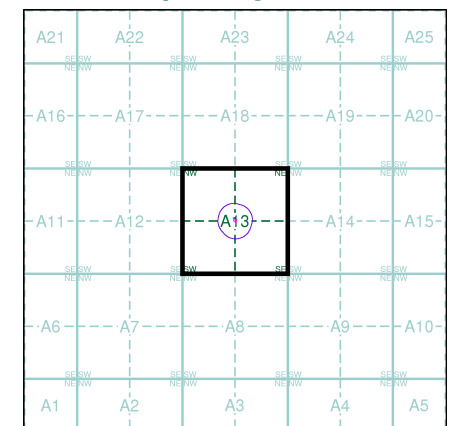
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8692SW	SJ8692SE
1992	1992
1:1,250	1:1,250
SJ8691NW	SJ8691NE
1992	1992
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 308757392_1_1
Customer Ref: GSI 1861
National Grid Reference: 386350, 392000
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

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