

Phase 1 Preliminary Risk Assessment

05 June 2025

JC Brennan Development Ltd

Land at Church Avenue, Middleton, M24 2UA

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Supervised by Mr Joseph Turner

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1. Introduction

The following document is a Phase 1 Preliminary Risk Assessment carried out by Oakshire Environmental, and includes details of the site, environmental setting, contaminant linkages and an evaluation of risk.

1.1 Project Overview

The client's proposed project involves the erection of up to 5 dwellings and associated work on land at Church Avenue, Middleton, M24 2UA. Oakshire Environmental have carried out a Phase 1 Preliminary Risk Assessment, as described below.

1.2 Purpose of Investigation

The objectives of the Phase 1 Preliminary Risk Assessment were to:

- Develop a detailed assessment of the site.
- Identify potential contamination sources, receptors and pathways at the site.
- Assess the level of potential contamination risk.
- Determine the requirement or scope of further investigations.

1.3 Scope of Work

- Brief introductory information has been noted to provide context to the report and include an Introduction, Project Overview, Scope of Work and Limitations.
- To develop a detailed assessment of the site, desk studies have been carried out to collate information obtained from sources including the British Geological Society, Environment Agency and Ordnance Survey on planning and site history, ground conditions and environmental setting.
- This information has been used to identify potential contamination sources, receptors and pathways at the site, as part of an initial Conceptual Site Model.
- To assess the level of potential contamination risk, a Conceptual Site Model has been produced to categorise the potential severity of the impact of the contaminant linkage on the receptor and the probability of the contaminant linkage being present.
- Following the assessment of contaminant linkages, an evaluation of contamination risk has been conducted to determine the requirement and scope of further investigations.
- Supporting appendix include photographs, maps, and plans of the site.

1.4 Limitations

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This report excludes consideration of potential hazards arising from any activities at the site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities. Oakshire Environmental does not warrant or guarantee that the site is free of hazardous or potentially hazardous materials or conditions. It should be noted that this report has been produced for environmental purposes only.

2. Site

The following section provides a description of the site, location and proposed development, in addition to, planning and site history, utilising information obtained from the client and publicly available sources.

2.1 Site Description and Location

The site is located on Church Avenue to the north of Middleton and south of Rochdale and covers an area of approximately 0.15ha. The site is comprised of a parcel of grass and scrubland with mature trees at the north east, south east and west, timber outbuildings with felt roofs at the east and an area of paving at the north west. No visible evidence of contamination was identified at the site.

The site is bordered by Church Avenue to the north with dwelling beyond, open agricultural land to the east, private amenity space and a storage building to the south and garages and greenhouses to the west. The surrounding area is a mixture of agricultural and residential land.

National Grid Reference: SD 88573 08810

2.2 Proposed Development

The proposed development involves the construction of 5 detached dwellings with an access road at the west and private grass gardens at the east and south.

2.3 Relevant Planning History

A search of Rochdale Borough Council's planning website identified the following relevant applications near the site.

Table 1: Planning applications at or near the site

Application No.	Year	Address	Proposal	Decision	Details
23/00650/HYBR	2023	Land At Stakehill, Off Rochdale Road (bordering the site to the east)	Full Planning permission for the erection of residential development of 233 dwellings (Use Class C3) with associated landscaping, means of access, drainage, and other necessary supporting infrastructure Outline planning permission with access (all other matters reserved) for residential development of up to 1147 dwellings (Use Class C3), mixed-use development, land for primary school extension, local centre and MUGA, landscaping, and supporting infrastructure.	Awaiting decision	A Preliminary Risk Assessment carried out by RSK Geosciences in September 2022 identified several contaminant linkages relating to former landfill at Newhay Farm, the storage of oils, fuels and agricultural chemicals and an above ground storage tank. It was recommended that former sand and gravel pits are investigated to determine whether they have been infilled along with an investigation of the precise nature and extent of the former Newhay Farm (inert) landfill. It was also recommended that further assessment is carried out to understand conditions on site with respect to ground gases and risks associated with proposed structures. Coal Mining Risk Assessment carried out by RSK Geosciences concluded that no further assessment is required with regards to underground coal mining activities.
24/00959/FUL	2025	Land Adjacent To Rochdale Road At Hillbank Street And Church Avenue (bordering the site to the west and 20m south)	Erection of 5 no. dwellinghouses with associated landscaping and car parking following the demolition of existing garages	Grant subject to conditions	A Phase 1 Contaminated Land Assessment has been carried out by GeoSmart in August 2024 which identified a moderate to low risk to future site occupants, underlying groundwater and the adjacent watercourse due to the site's previous use as garages and the possible presence of made ground. It was recommended that a site investigation is undertaken to establish the presence or absence of contamination.

2.4 Site History

A detailed assessment of historical Ordnance Survey maps and associated data has highlighted the below on-site and off-site, current and historical land uses.

Table 2: Description of the site and surrounding area over time, according to historical maps

Year	Site Description	Surrounding Area
1893	No development on the site	Watercourse along east boundary beginning 110m north east with agricultural fields beyond Additional agricultural fields bordering the site to the north, south and west Terraced dwellings 80m south and south west
1910		Additional terraced dwellings 40m west and semi-detached dwellings 90m north Tramway on road 60m west Cricket ground with cuttings along the boundaries 110m north Church and associated grave yard 110m east
1929		New road along north boundary and semi-detached dwellings 10m north along with additional dwellings to the north west Map now shows that the watercourse along the east boundary begins 80m north east
1939		Additional dwellings to the west
1954 - 1956	Site is now demarcated but no structures are shown suggesting it may be used for informal storage or amenity space	Unlabelled buildings on plot bordering the site to the west (same layout as existing garages) Allotment gardens adjacent to the site to the south west Additional dwellings to the north
1975 - 1977		Additional garages bordering the site to the west Unlabelled buildings 20m south west (same layout as existing garages) Buildings 180m south west now labelled as Hopwood Arms Farm
1992		Buildings at Hopwood Arms Farm removed and replaced by petrol filling station Agricultural buildings and a dwelling 130m north west
2000	Aerial photo shows two outbuildings at the east, additional unknown objects at the east and west and remainder of the site is covered by grass and mature trees	No significant change
2005	Unknown objects at the east and west no longer shown and a small allotment has been developed in the centre	No significant change
2017	Additional allotments developed at the north east and north west along with a small area of hardstanding at the north west where unknown items are stored	Garages bordering the site to the west removed Ground workings appear to have taken place around the beginning of the watercourse to the north east of the site
2019	Allotments now appear to be disused	New garage building bordering the site to the west

3. Environmental Setting

The following section provides information on the environmental setting of the site, utilising data from the British Geological Survey (BGS), Environment Agency, Department for Environment, Food and Rural Affairs (DEFRA), Mining Remediation Authority and Public Health England (PHE).

Table 3: Summary of the site's environmental setting

Environmental Factor		Details	
Hydrogeology	Aquifer Designation	Superficial	Secondary A
		Bedrock	Secondary A
	Groundwater Vulnerability	Superficial	Medium
		Bedrock	Medium
	Source Protection Zones and Abstractions		Site does not lie within a Source Protection Zone, Drinking Water Protected Area or Drinking Water Safeguard Zone
Hydrology	Water Network		Unnamed watercourse bordering the site to the east that appears to be a tributary of Whit Brook
Geology	Artificial Ground		None within 250m of the site
	Superficial Deposits		Till, Devensian - Diamicton
	Bedrock Geology		Pennine Lower Coal Measures Formation - Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part
	Superficial Permeability		Low to High
	Bedrock Permeability		Low to High
	Borehole Records		Borehole record 30m north from 1913 identified soil to 0.45m above boulder clay to 12.19m and alternating layers of sand and clay to 80.69m before reaching shale and coal bedrock to the end of the borehole at 142.19m (shallowest coal was identified at the top of the bedrock layer between 80.69m and 80.77m)
Workings	Mining and Ground Workings		Site is situated within the Lancashire Coal Mining Reporting Area, however, there is no evidence of any past or current coal mining activity within 500m of the site Watercourse bordering the site to the east appears to have been partially infilled between 80m and 110m north east of the site by 1929 Ground workings appear to have taken place around the beginning of the watercourse to the north east of the site from around 2017 onwards
Radon	PHE UKradon		<1% probability of being above action level
Waste and Landfill	Historical Landfill		None within 250m of the site
	Permitted Waste Sites		None within 250m of the site

4. Initial Conceptual Site Model

The following section outlines potential contamination sources, pathways and receptors, utilising information gathered in the previous sections, to develop an initial conceptual site model.

4.1 Potential Contamination Sources

Information collated through detailed desk studies has identified the following potential sources of contamination.

Allotment Gardens

Historical maps show that the land to the south west of the site has been used for allotment gardens since at least 1954 and aerial photos show that allotments were also developed on the site around 2005 until around 2019. Allotment gardens have the potential to contaminate shallow soils from the use of chemical fertilisers, pesticides and herbicides, particularly when regulations and product formulations were less stringent. Potential contaminants of concern include heavy metals (e.g. Lead, Cadmium and Arsenic), PAHs and SVOCs, however, it is unlikely that volatile contaminants will be present in the soil given that the allotment gardens on the site have not been in use since around 2019.

Contamination from the adjacent allotment gardens is not likely to impact the site given that these are situated on land lower than and sloping away from the site.

Infilled Ground

Historical maps show that the watercourse bordering the site to the east appears to have been partially infilled between 80m and 110m north east of the site by 1929. Where contaminated or putrescible material has been used as infill, this may impact the site if contaminants are able to leach through soil or produce ground gases, however, given the extent of this infilling and the time elapsed since it occurred, the risk of contaminant leaching and ground gas production is likely to be low. It should also be noted that the watercourse is likely to have been infilled with adjacent natural soil, therefore, contaminated and/or putrescible material is not likely to be present.

4.2 Potential Contamination Receptors

Given the proposed use of the site, the following receptors are considered:

- Residential end users
- Construction workers
- Secondary superficial aquifer
- Unnamed watercourse

4.3 Potential Contamination Pathways

Based on the expected on-site receptors, relevant pathways for the above receptors include:

- Ingestion/inhalation of contaminated soil dust
- Dermal contact with contaminated soil
- Inhalation of soil vapours
- Ingestion of homegrown produce
- Permeation into drinking water pipes
- Ground gas permeation into the buildings
- Leaching through soil
- Surface runoff

Pathways between off-site sources and off-site receptors is beyond the scope of this assessment.

4.4 Risk Assessment Methodology

The potential level of risk posed by a particular source is determined by assessing the potential severity of the impact of the contaminant linkage on the receptor, if it is assumed to be present, and the probability of the contaminant linkage being present.

Severities are categorised from Minor to Severe and probabilities are categorised from Unlikely to High Likelihood to give a potential level of risk output.

Table 4: Risk Matrix

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

Very High Risk

There is a high probability that severe harm could arise to a designated receptor from an identified source; or there is evidence that severe harm to a designated receptor is currently happening.

High Risk

Harm is likely to arise to a designated receptor from an identified source.

Moderate Risk

It is possible that harm could arise to a designated receptor from an identified source. It is relatively unlikely that any such harm would be severe or if any harm were to occur it is more likely that the harm would be relatively mild.

Low Risk

It is possible that harm could arise to a designated receptor from an identified source, however, it is likely that this harm, if realised, would normally be mild.

Very Low Risk

There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

4.5 Conceptual Site Model

The information in this section has been compiled to produce an initial conceptual site model outlining the potential sources, pathways and receptors to consider at the site. The level of risk was categorised by considering the severity and probability, as outlined in the previous section.

Table 5: Conceptual site model

Sources	Pathways	Receptors	Severity	Probability	Potential Level of Risk
Allotment Gardens	Ingestion/inhalation of contaminated soil dust Dermal contact with contaminated soil Inhalation of soil vapours Ingestion of homegrown produce Permeation into drinking water pipes	Residential end users	Medium	Low Likelihood	Low to Moderate Allotment gardens have the potential to contaminate shallow soils from the use of chemical fertilisers, pesticides and herbicides, particularly when regulations and product formulations were less stringent. Potential contaminants of concern include heavy metals (e.g. Lead, Cadmium and Arsenic), PAHs and SVOCs, however, it is unlikely that volatile contaminants will be present in the soil given that the allotment gardens on the site have not been in use since around 2019.
	Ingestion/inhalation of contaminated soil dust Dermal contact with contaminated soil	Construction workers	Mild	Likely	Low to Moderate Construction workers will be at risk from direct exposure to potential contaminants in shallow soil/made ground during groundworks, however, any residual risks can be mitigated through the use of appropriate Personal Protective Equipment.
	Leaching through soil Surface runoff	Secondary superficial aquifer Unnamed watercourse	Medium	Low Likelihood	Low to Moderate Given the variable permeability of the underlying soil, groundwater is also potentially at risk from contamination. Groundwater within the Coal Measures Formation bedrock is not likely to be impacted by contamination from the site due to its significant depth below ground level, however, any shallow groundwater within the superficial deposits may be impacted. It is noted that there are no nearby abstractions or protected/safeguarding areas, therefore, underlying groundwater is not particularly vulnerable to contamination. Surface runoff from the site may also have impacted the adjacent watercourse to the east.
Infilled Ground	Ingestion/inhalation of contaminated soil dust Dermal contact with contaminated soil Inhalation of soil vapours Ingestion of homegrown produce Permeation into drinking water pipes Ground gas permeation into the buildings	Residential end users	Medium	Unlikely	Low Where contaminated or putrescible material has been used to partially infill the watercourse to the north east, this may impact the site if contaminants are able to leach through soil or produce ground gases, however, given the extent of this infilling and the time elapsed since it occurred, the risk of contaminant leaching and ground gas production is likely to be low. It should also be noted that the watercourse is likely to have been infilled with adjacent natural soil, therefore, contaminated and/or putrescible material is not likely to be present.

5. Conclusions

5.1 Risk Evaluation

The initial conceptual site model identified the following potential contaminant linkages present at the site and the following conclusions have been drawn:

- There is a **low to moderate risk** to residential end users from the ingestion/inhalation of contaminated soil dust, dermal contact with contaminated soil, inhalation of soil vapours, ingestion of homegrown produce and permeation into drinking water pipes from the allotment gardens on the site and to the south west.
- There is a **low to moderate risk** to construction workers from the ingestion/inhalation of contaminated soil dust and dermal contact with contaminated soil from the allotment gardens on the site and to the south west
- There is a **low to moderate risk** to controlled waters from the leaching and surface runoff of contaminants from the allotment gardens on the site and to the south west.
- There is a **low risk** to residential end users from the ingestion/inhalation of contaminated soil dust, dermal contact with contaminated soil, inhalation of soil vapours, ingestion of homegrown produce, permeation into drinking water pipes and ground gas permeation into the buildings from infilled ground to the north east.

Based on the findings of this Phase 1 Preliminary Risk Assessment, the risk to residential end users, construction workers and controlled waters is considered to be low to moderate.

5.2 Further Investigation

Based on the above conclusions, further investigation is recommended in the form of a Phase 2 Intrusive Site Investigation. This should include sampling of shallow soil at the site to be tested for a suite of contaminants including heavy metals and hydrocarbons. It is important to note that this conclusion is based on the proposed development plan.

6. References

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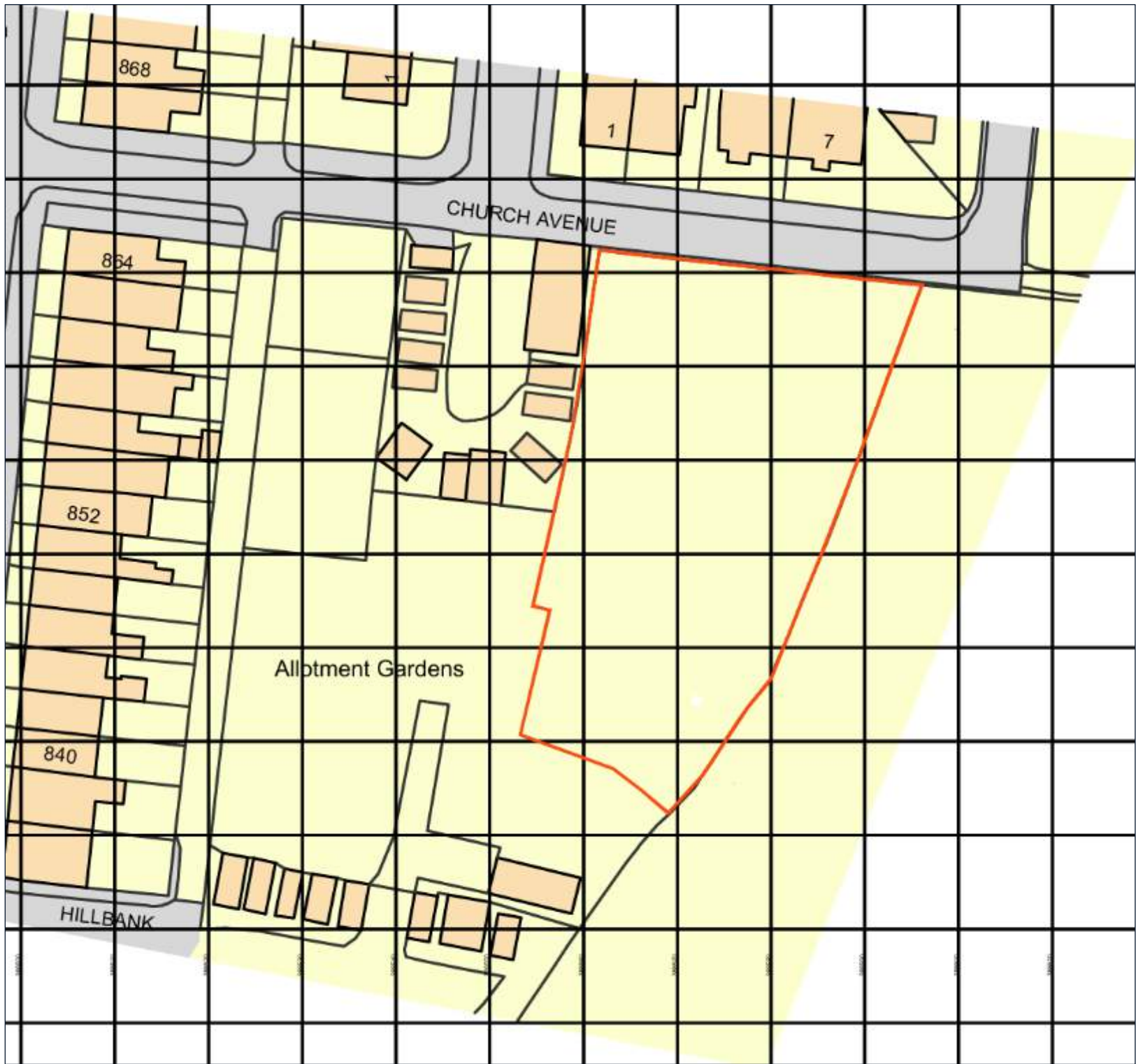
Landmark Information Group.

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Ordnance Survey. [online] Available at: <ordnancesurvey.co.uk>.

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Oakshire Environmental. Available at: <oakshireenvironmental.co.uk>.



Appendix - Site Maps & Plans

Description

Site location plan

Sources

Contains OS data © Crown copyright and database rights

Key

Site boundary

North



Appendix - Site Maps & Plans	
Description	
Existing site plan and topographical survey	
Sources	
A.L.H. Design Services	
Key	
▲	North



Appendix - Site Maps & Plans

Description

Proposed site plan showing proposed landscaping

Sources

A.L.H. Design Services

Key

Site boundary

North



Appendix - Site Photos

Description

Photo of grass, shrubs and mature trees at the north east of the site and outbuildings at the east, facing north east



Appendix - Site Photos

Description

Photo of shrubs at the centre and outbuildings at the east, facing north east



Appendix - Site Photos

Description

Photo of grass and shrubs at the south of the site , facing south



Appendix – Historical Maps

Description

Aerial photograph dated 2000

Sources

The GeoInformation Group

Key

Site boundary

North



Appendix – Historical Maps

Description

Aerial photograph dated 2005

Sources

Infoterra Ltd & Bluesky

Key

Site boundary

North



Appendix – Historical Maps

Description

Aerial photograph dated 2017

Sources

Google Earth

Key

Site boundary

North



Appendix – Historical Maps

Description

Aerial photograph dated 2019

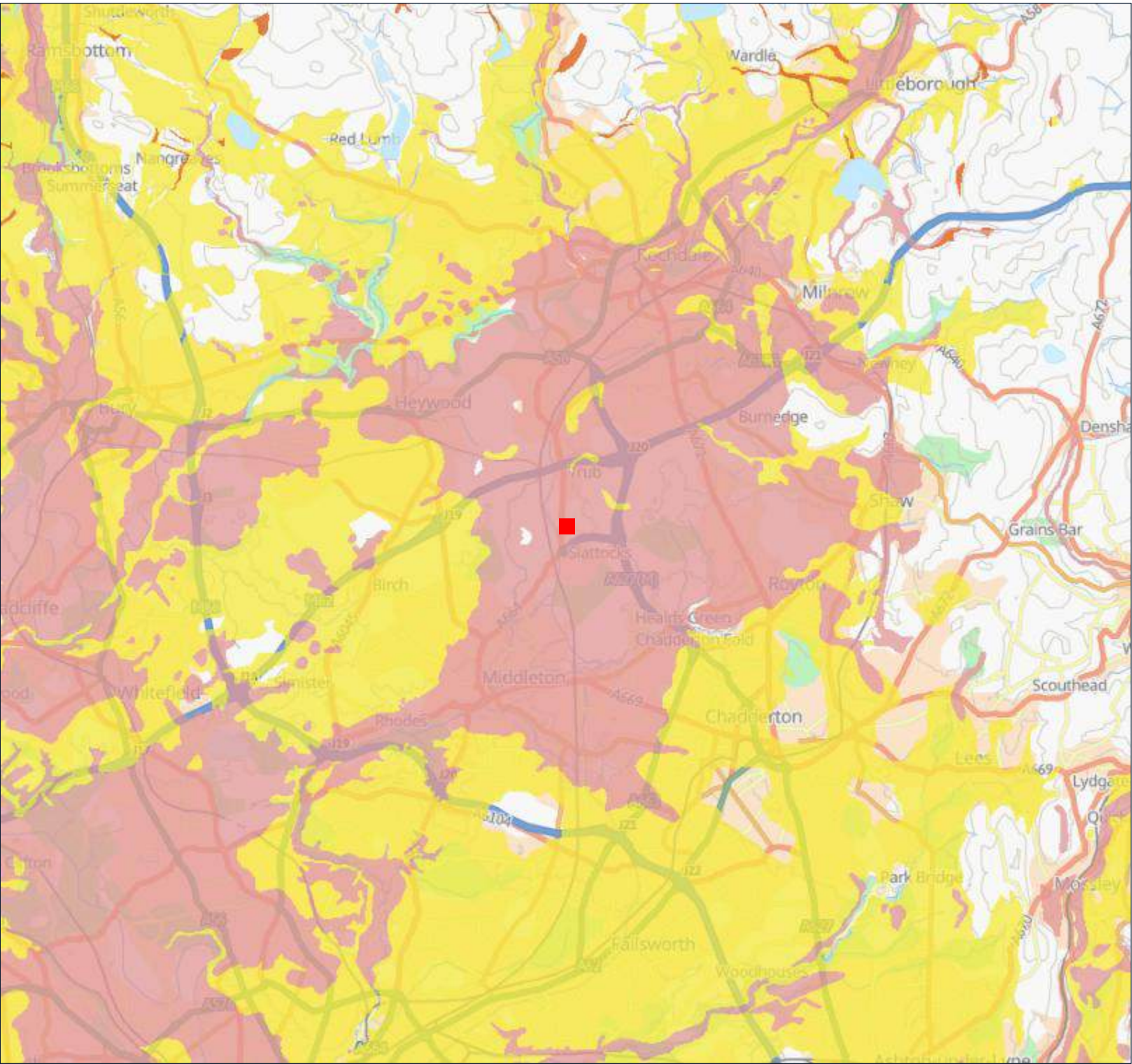
Sources

Google Earth

Key

Site boundary

North



Appendix - Geological Maps

Description

BGS map showing superficial hydrogeology on site

Sources

DEFRA Magic Map
British Geological Survey

Key

Site location

Principal

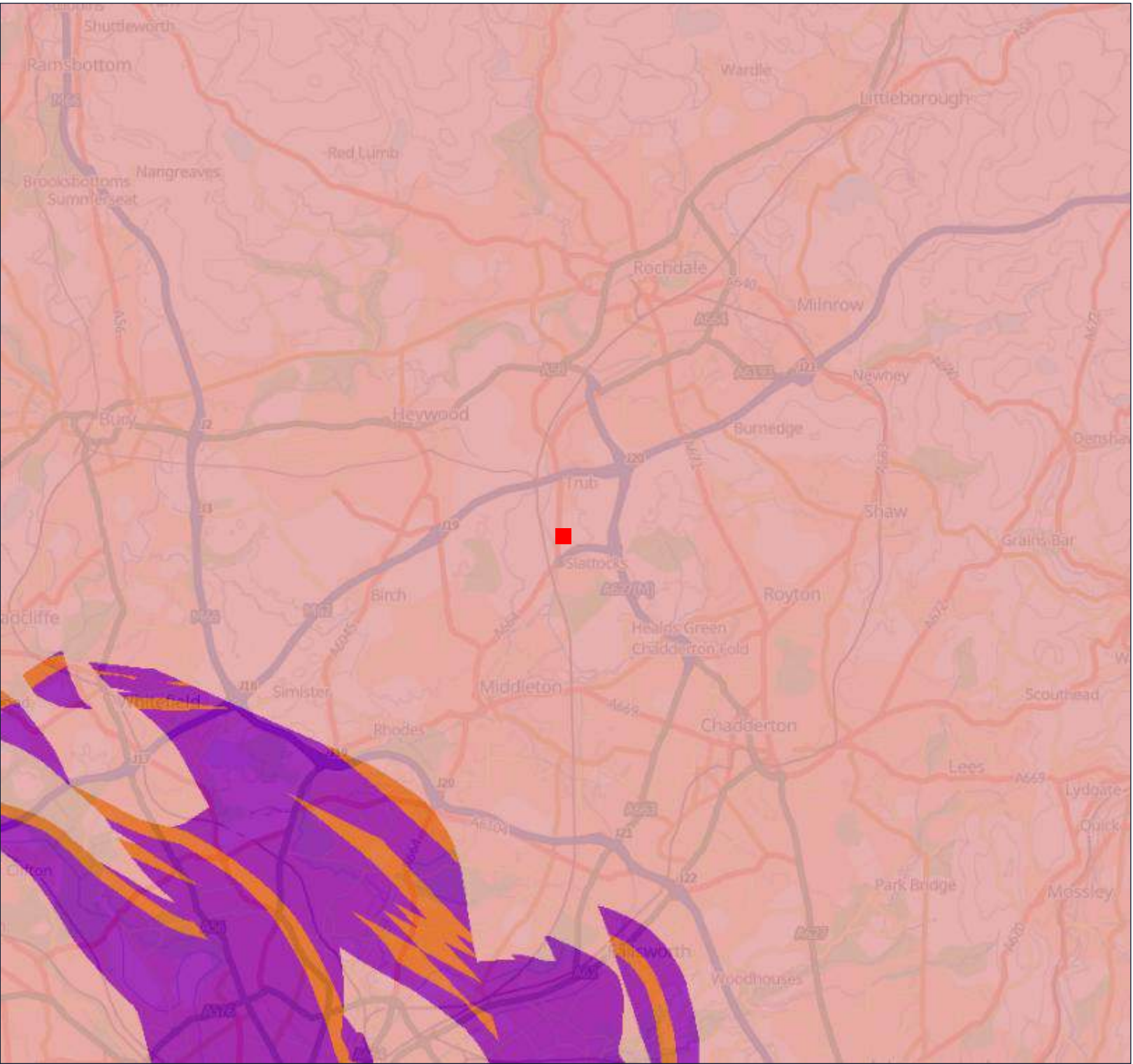
Secondary A

Secondary B

Secondary Undifferentiated

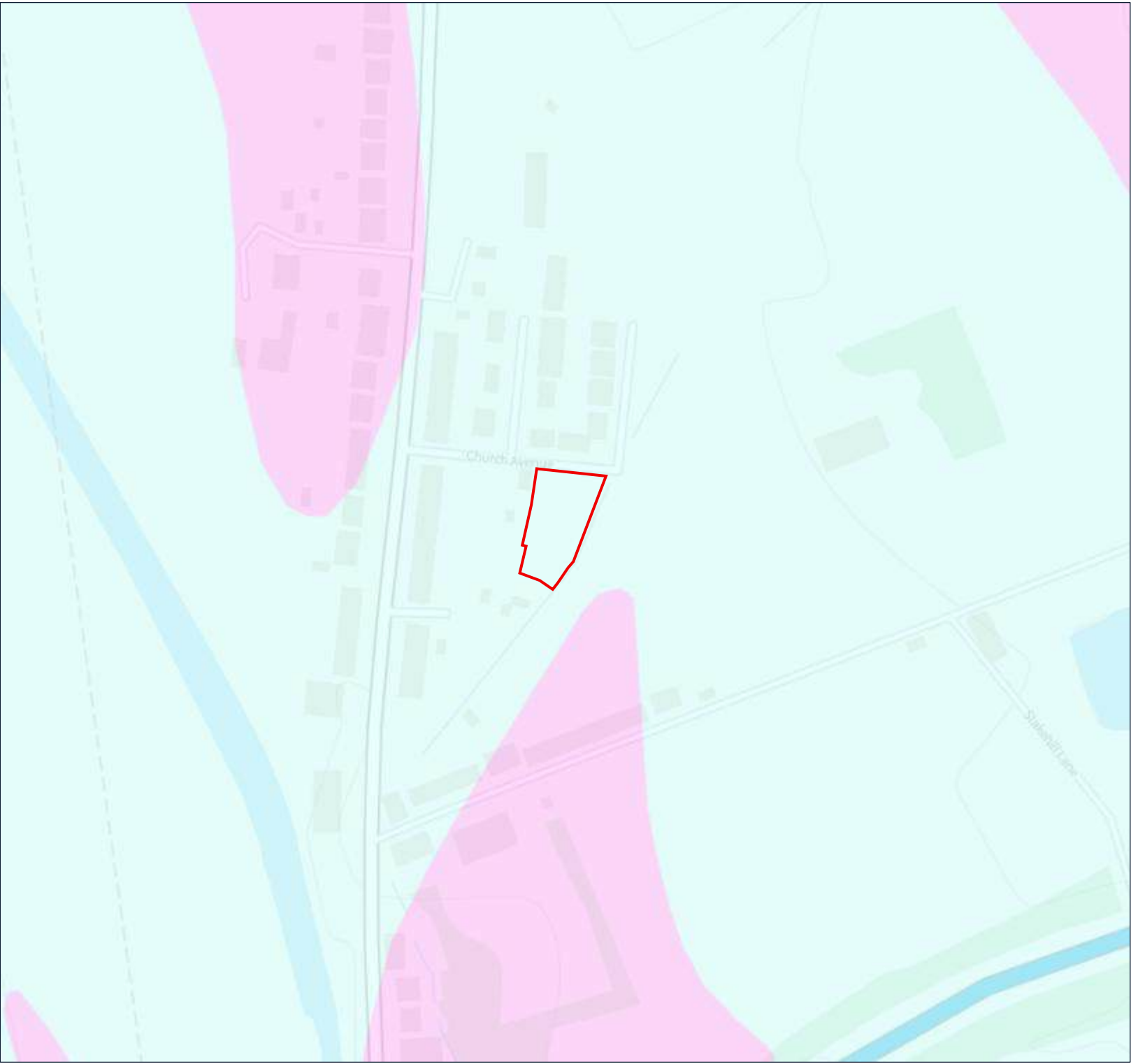
Unproductive

▲ North



Appendix - Geological Maps

Description	
BGS map showing bedrock hydrogeology on site	
Sources	
DEFRA Magic Map British Geological Survey	
Key	
	Site location
	Principal
	Secondary A
	Secondary B
	Secondary Undifferentiated
	Unproductive
	North



Appendix - Geological Maps

Description

BGS map showing superficial deposits on site

Sources

British Geological Survey

Key

Site boundary

Till, Devensian

Glaciofluvial Sheet Deposits, Devensian

▲ North



Appendix - Geological Maps

Description

BGS map showing bedrock geology on site

Sources

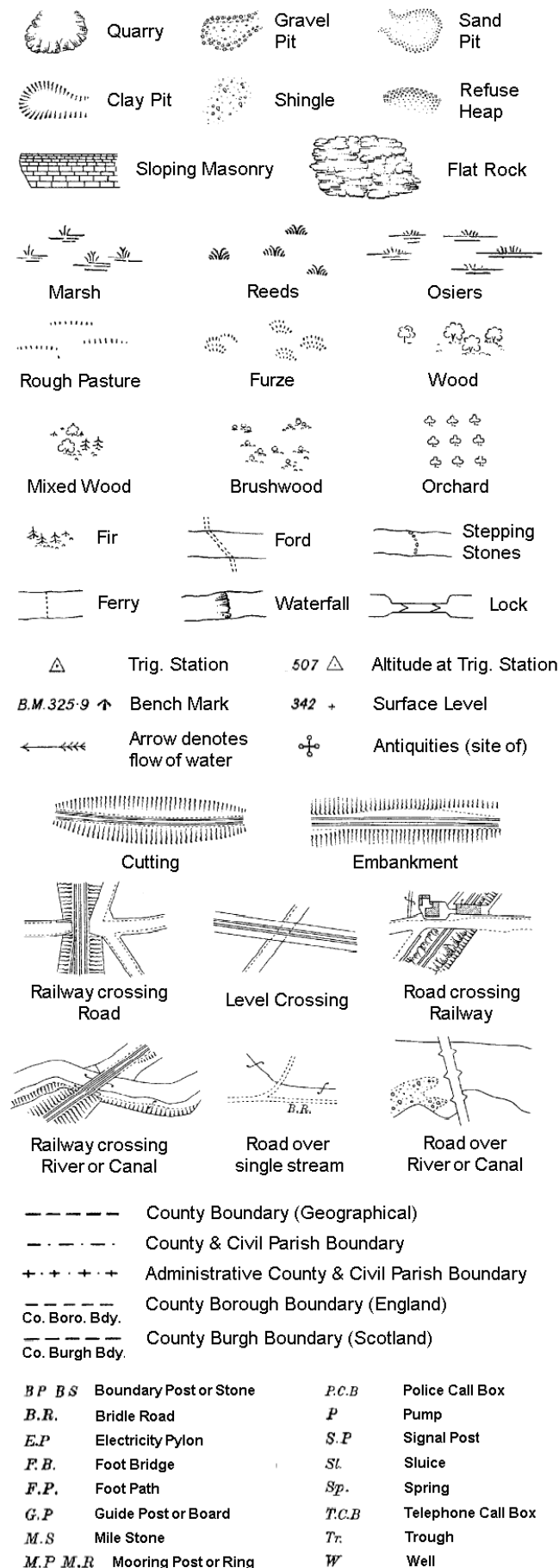
British Geological Survey

Key

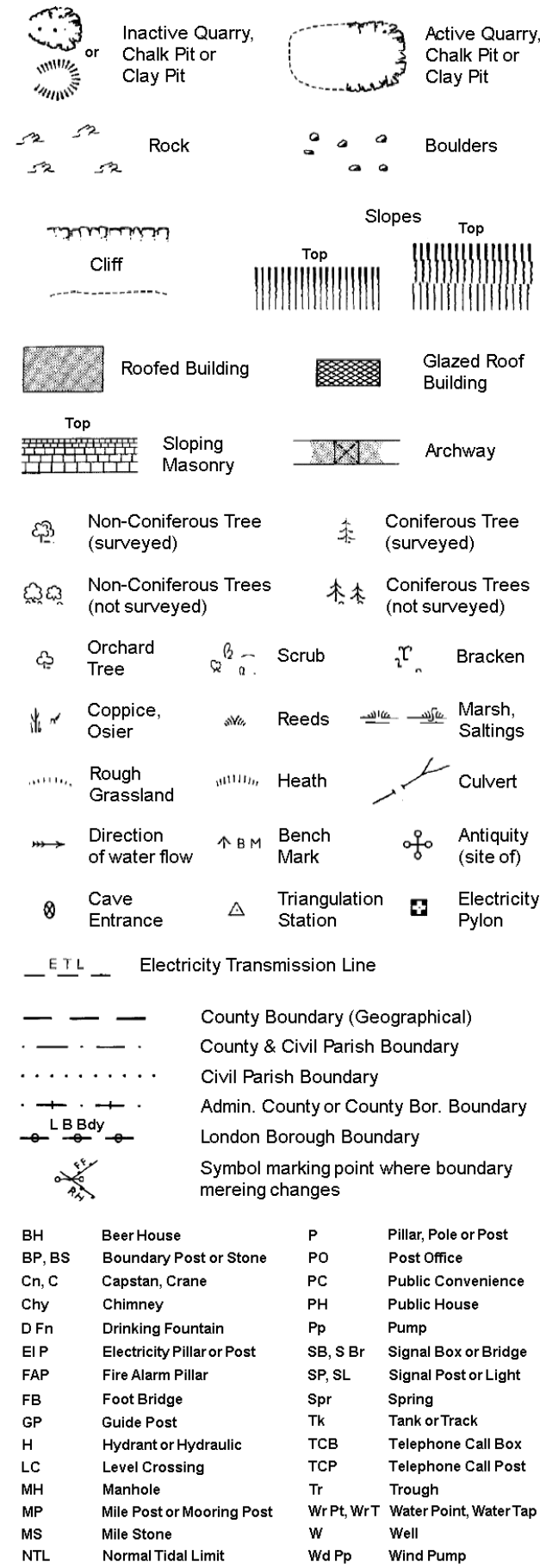
	Site boundary
	Pennine Lower Coal Measures Formation
	Royley Sandstone
	North

Historical Mapping Legends

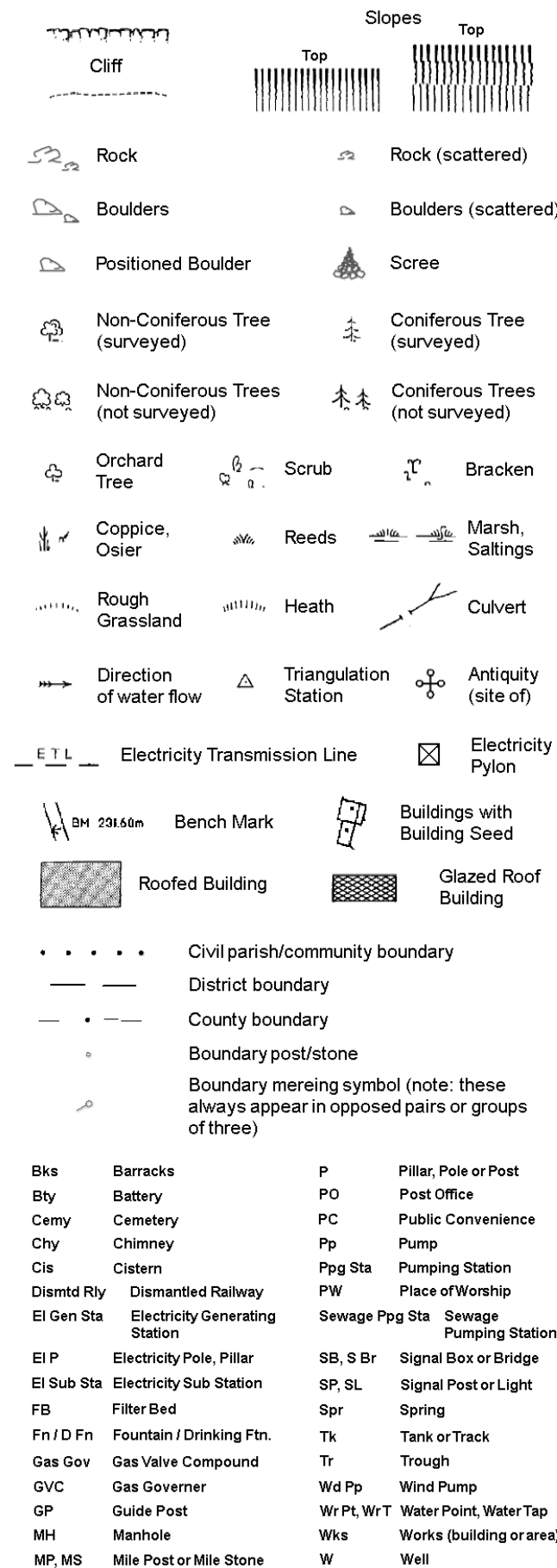
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



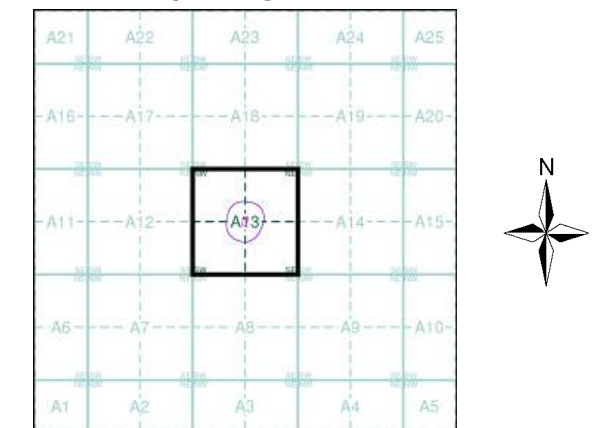
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929	4
Lancashire And Furness	1:2,500	1939	5
Ordnance Survey Plan	1:1,250	1954 - 1956	6
Ordnance Survey Plan	1:2,500	1955 - 1956	7
Supply of Unpublished Survey Information	1:1,250	1973 - 1977	8
Supply of Unpublished Survey Information	1:1,250	1975	9
Supply of Unpublished Survey Information	1:1,250	1976	10
Additional SIMs	1:1,250	1978 - 1992	11
Ordnance Survey Plan	1:1,250	1979 - 1981	12
Additional SIMs	1:1,250	1982	13
Large-Scale National Grid Data	1:1,250	1992	14
Historical Aerial Photography	1:2,500	2000	15

Historical Map - Segment A13



Order Details

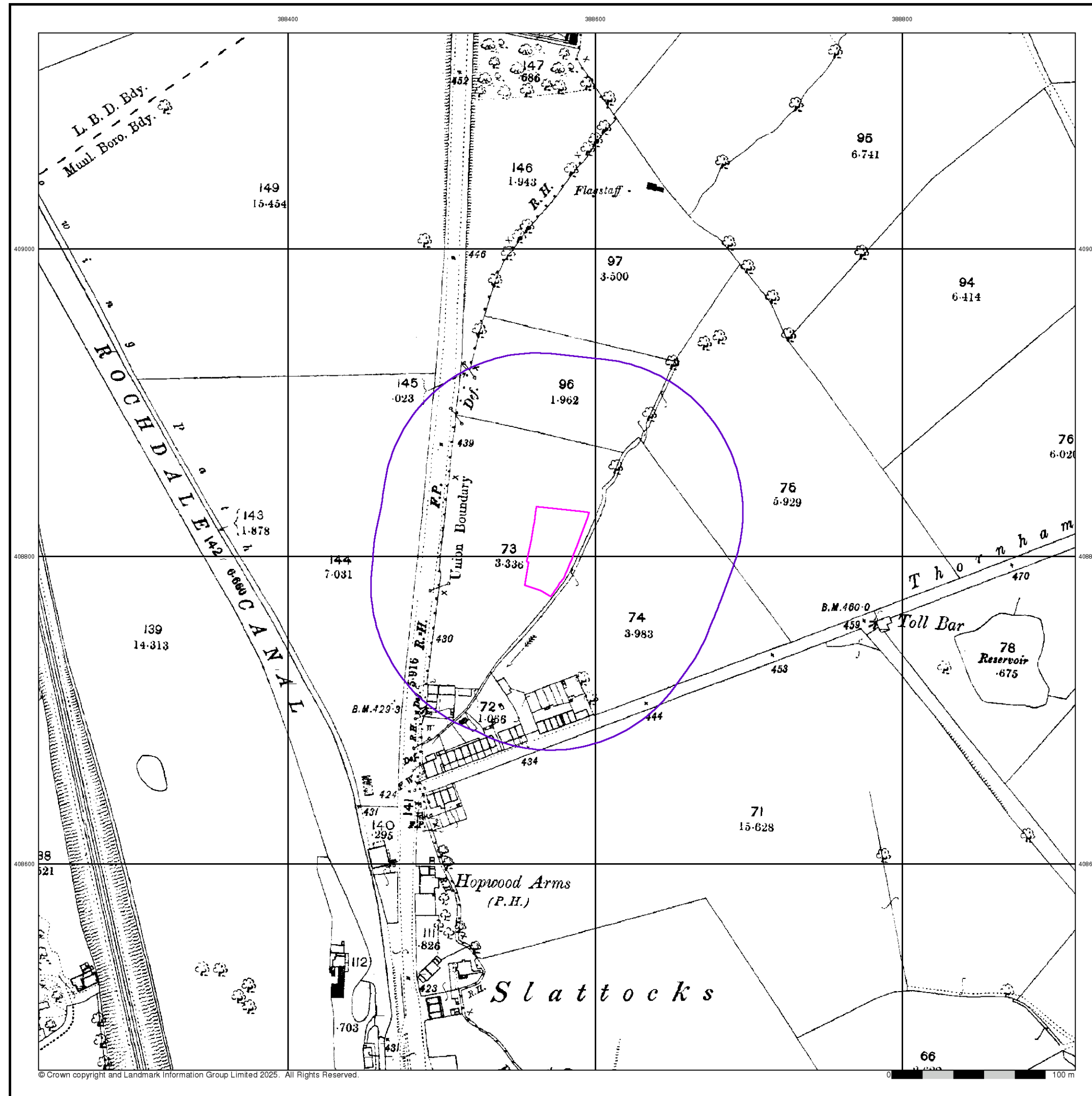
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Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA

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INFORMATION GROUP

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Web: www.envirocheck.co.uk



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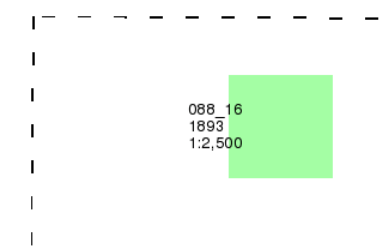
Lancashire And Furness

Published 1893

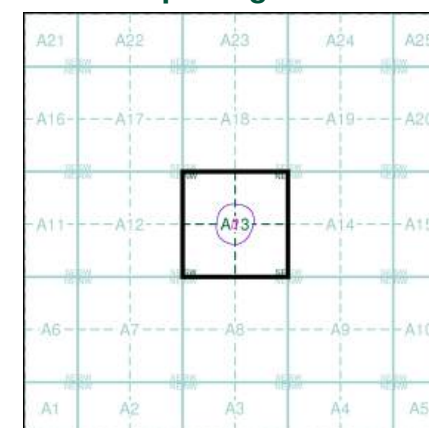
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

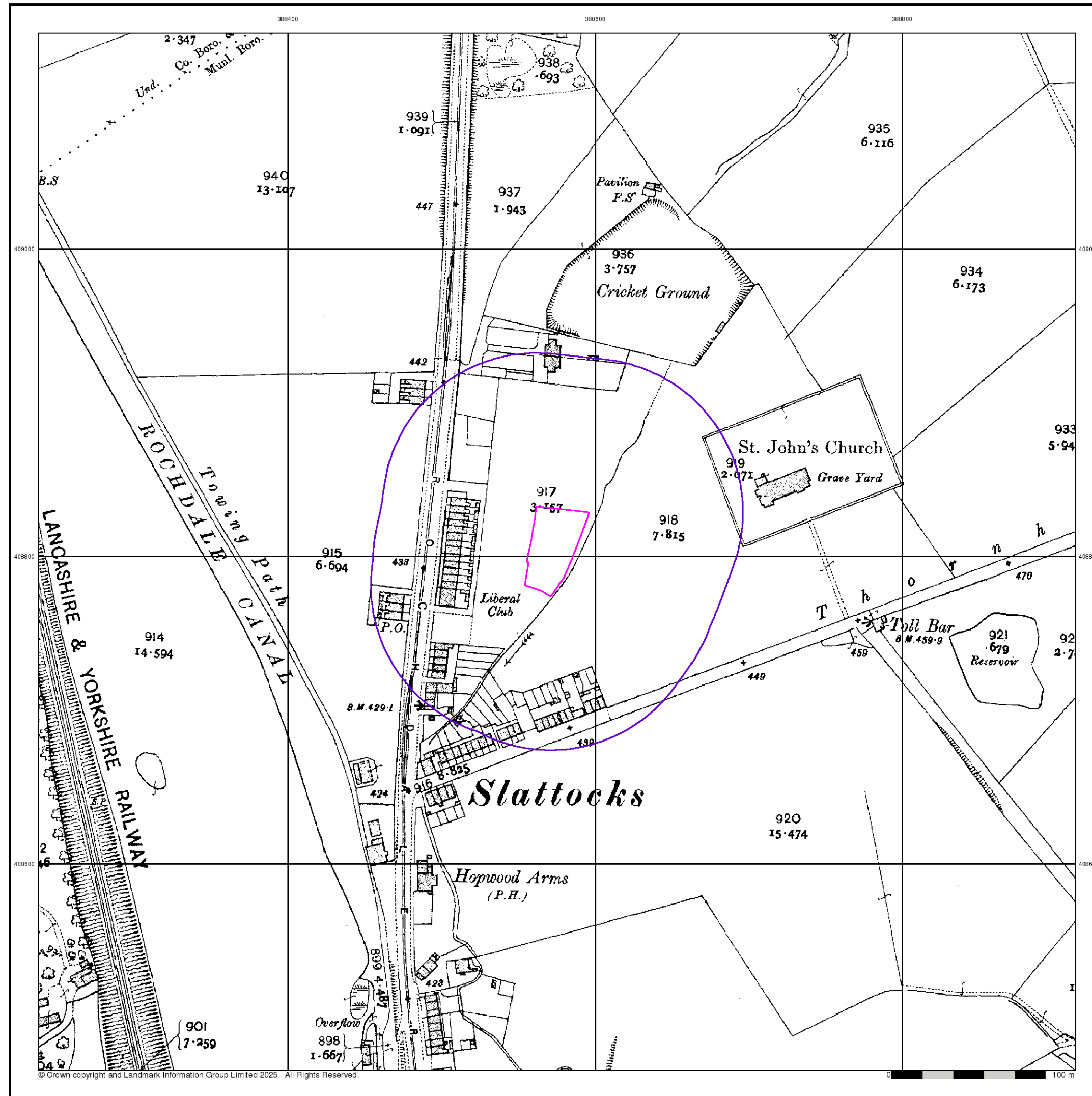


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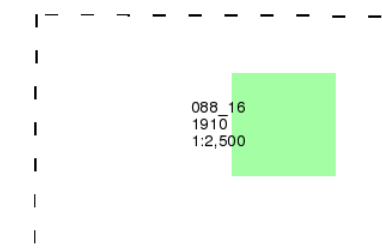
Lancashire And Furness

Published 1910

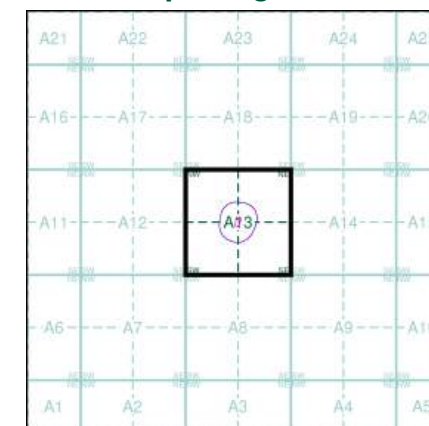
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Historical Map - Segment A13

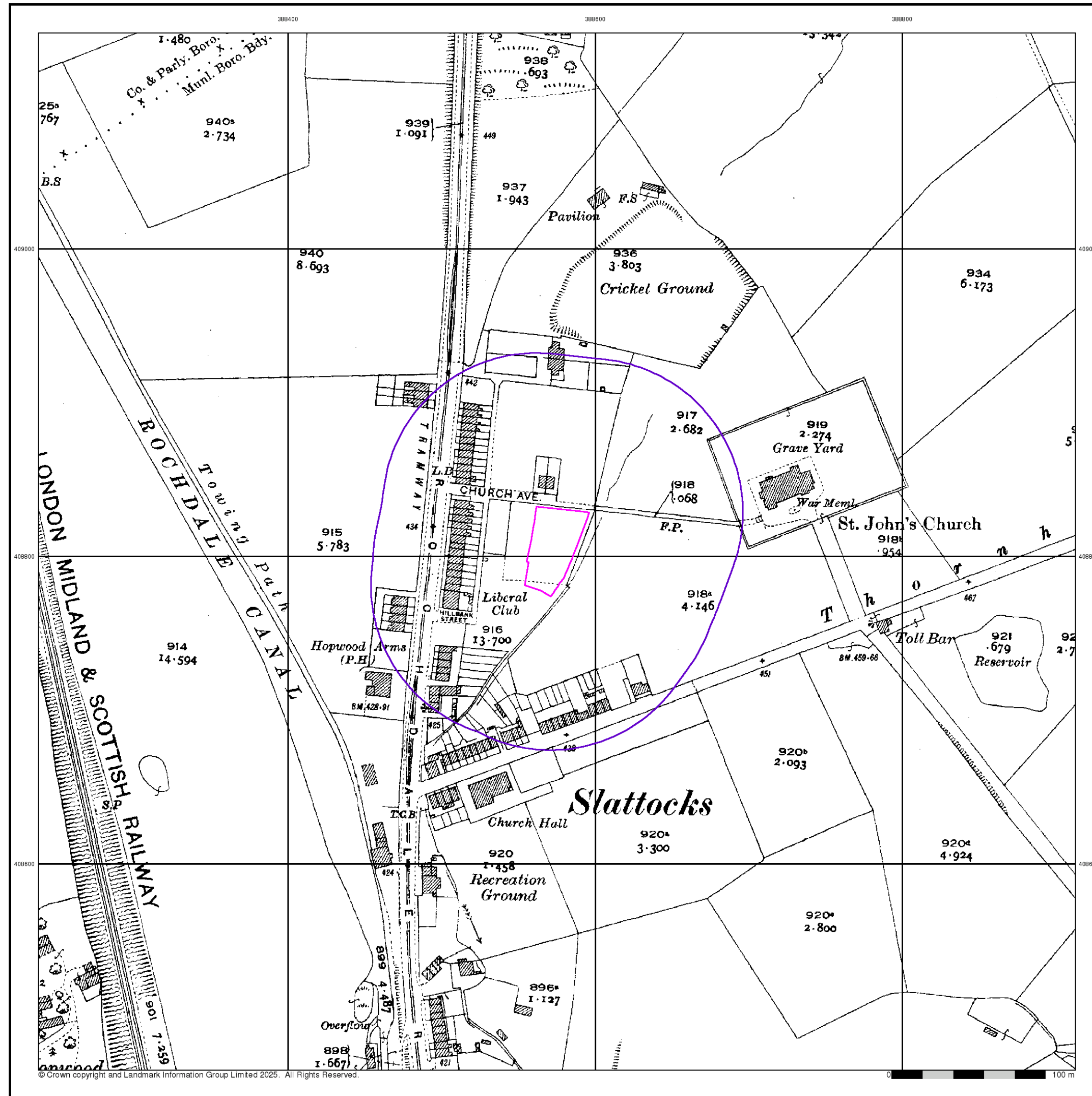


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Church Avenue, Middleton, Manchester, M24 2UA



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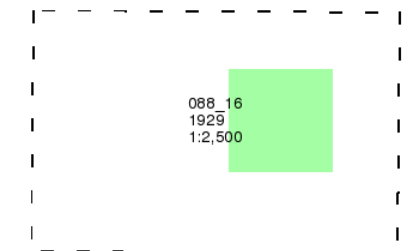
Lancashire And Furness

Published 1929

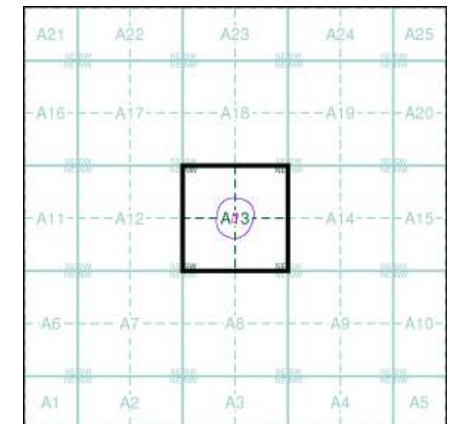
Source map scale - 1:2,500

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

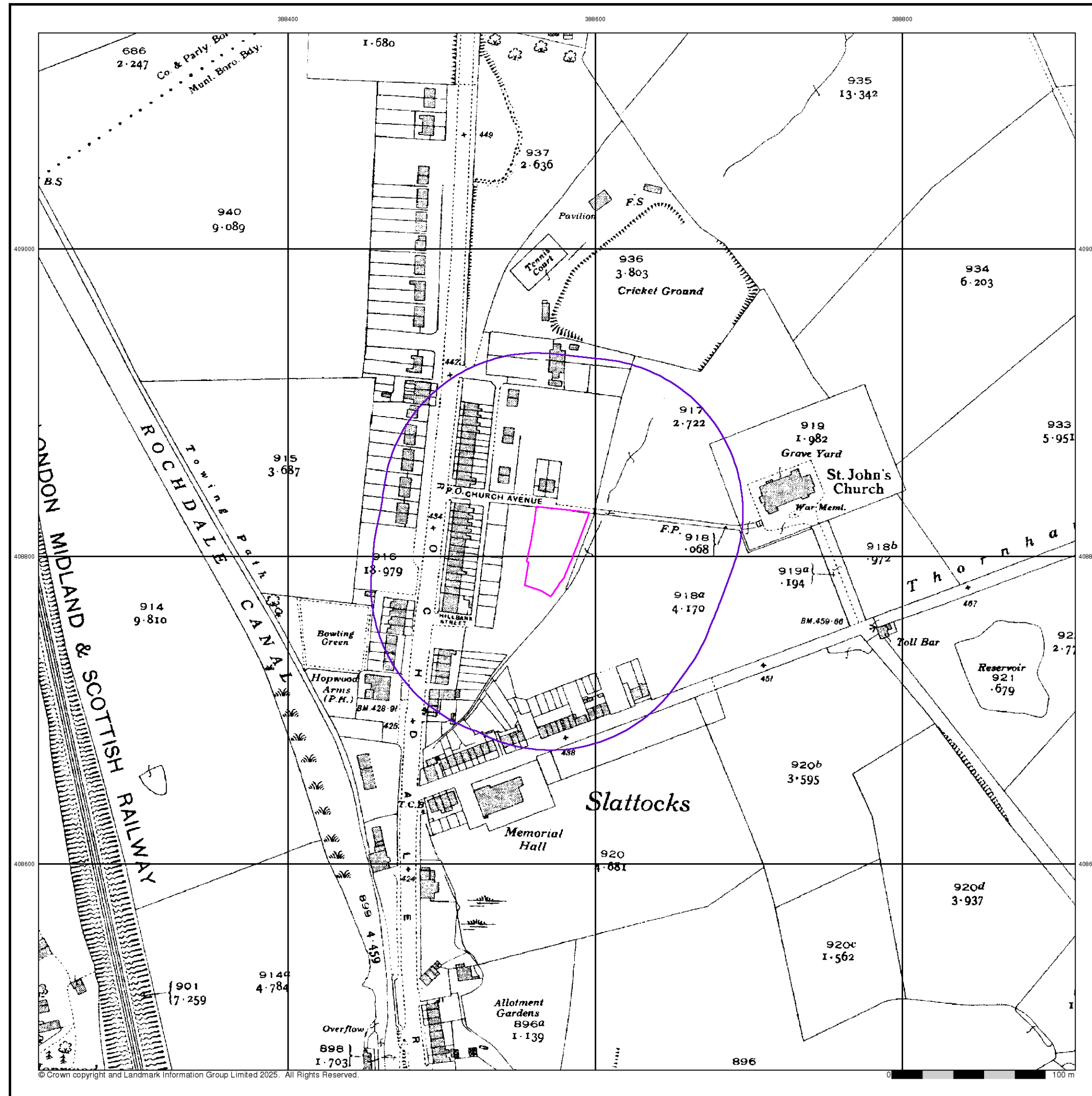


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



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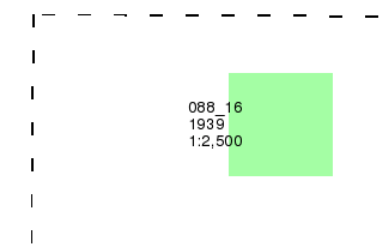
Lancashire And Furness

Published 1939

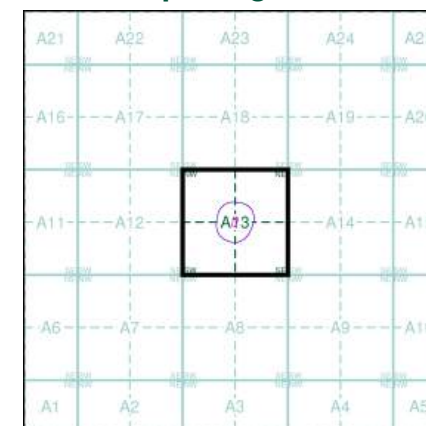
Source map scale - 1:2,500

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

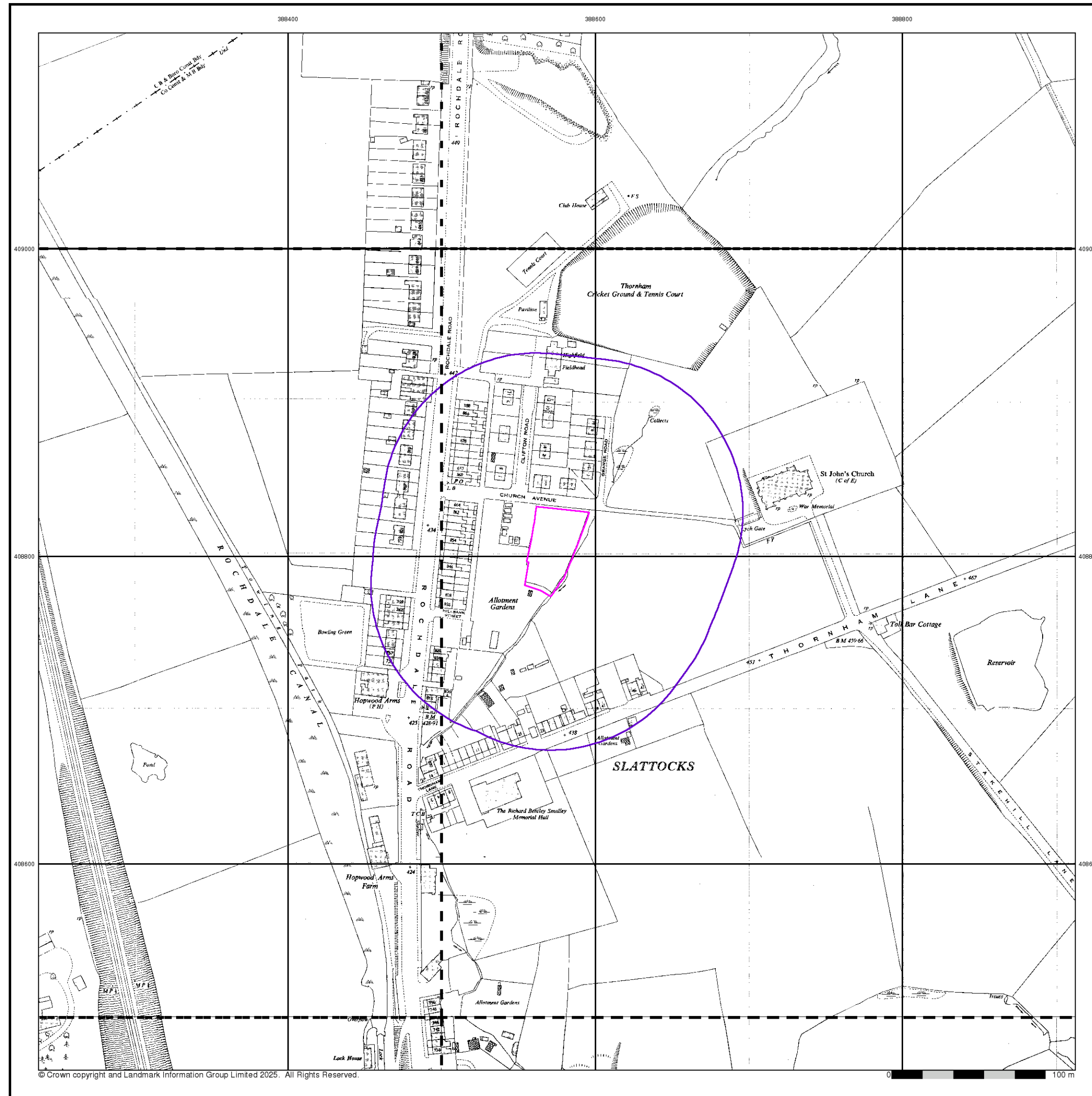


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



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Ordnance Survey Plan

Published 1954 - 1956

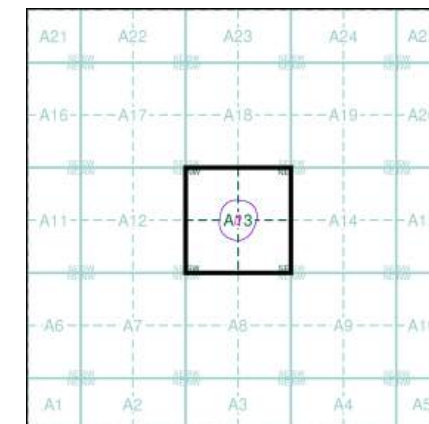
Source map scale - 1:1,250

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)

SD8809SE	SD8809SE
1956	1956
1:1,250	1:1,250
SD8808NE	SD8808NE
1954	1954
1:1,250	1:1,250
SD8808SE	SD8808SE
1954	1954
1:1,250	1:1,250

Historical Map - Segment A13

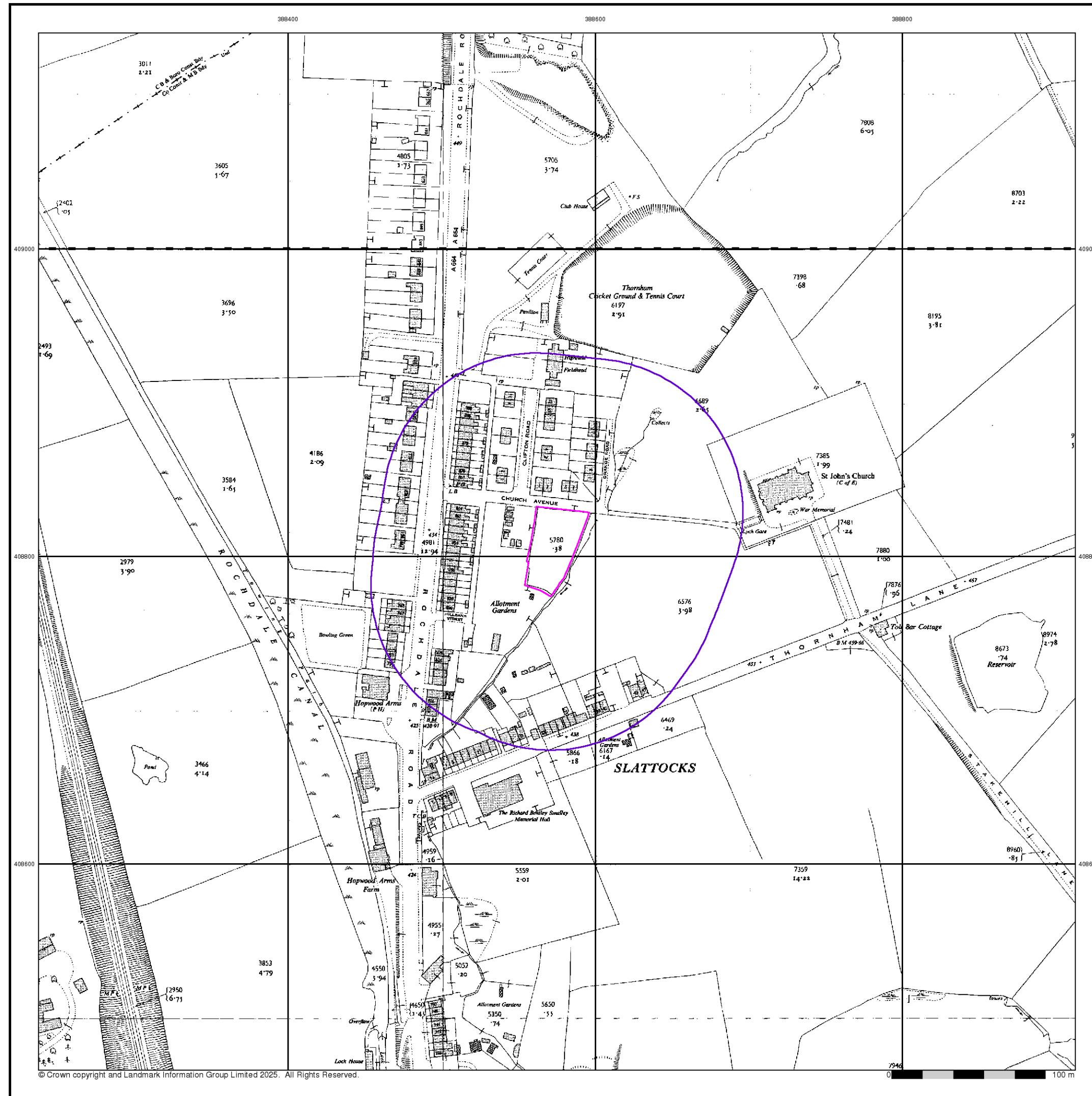


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



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Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:2,500

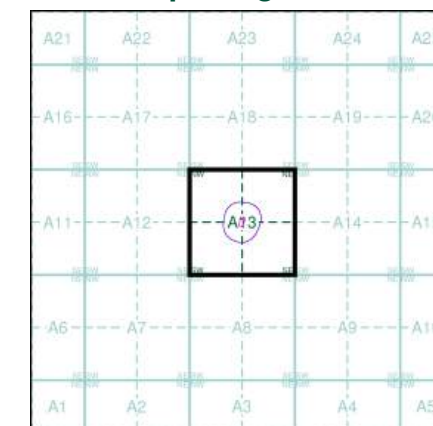
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

SD8809
1956
1:2,500

SD8808
1955
1:2,500

Historical Map - Segment A13

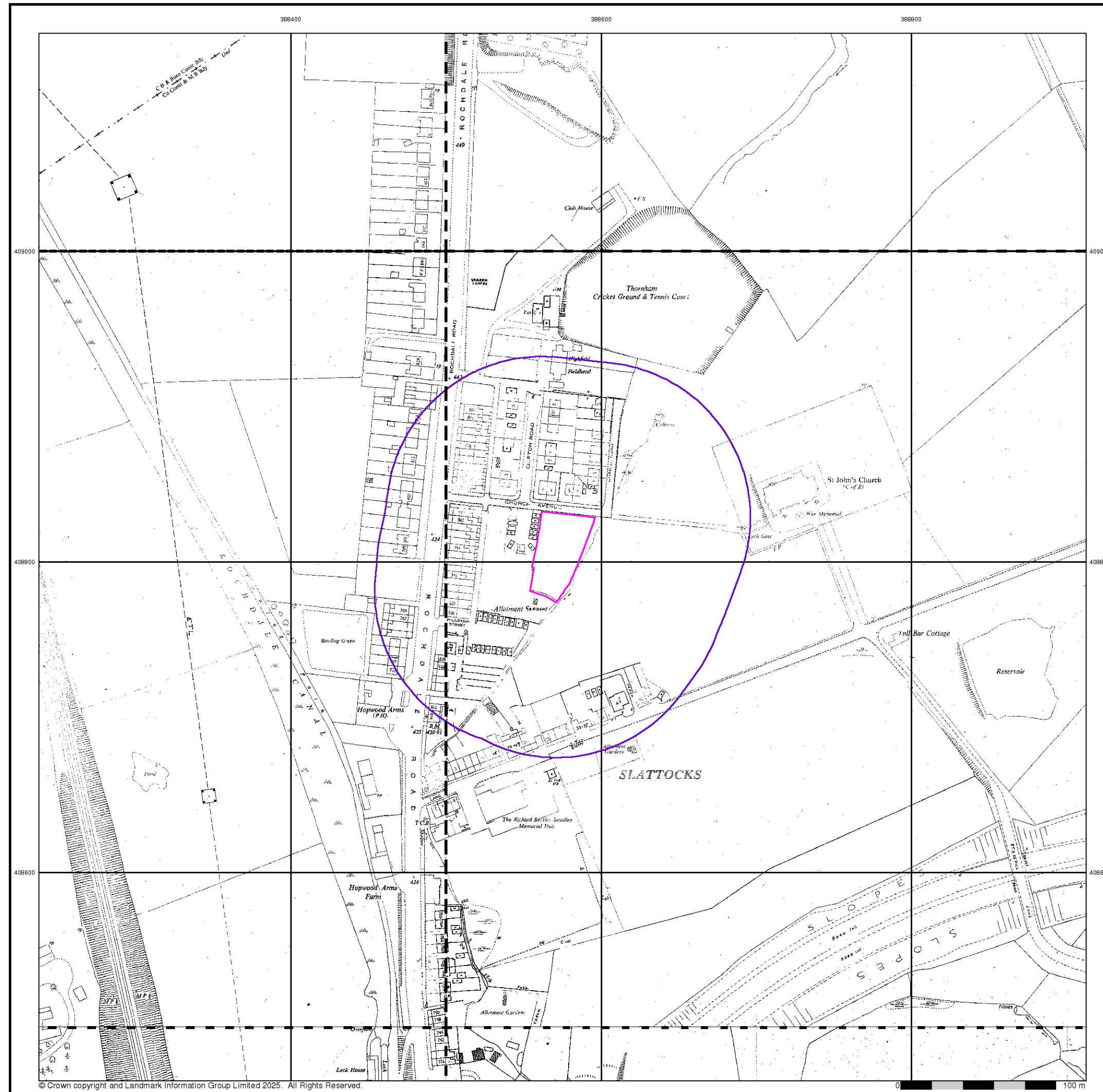


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



Supply of Unpublished Survey Information

Published 1973 - 1977

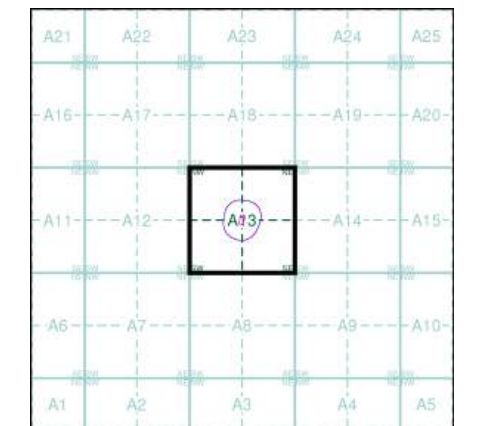
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

ID8809SV6D8809SE	1975	1975
1:1,250	1:1,250	1:1,250
ID8808NV6D8808NE	1975	1977
1:1,250	1:1,250	1:1,250
ID8808SV6D8808SE	1975	1973
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13

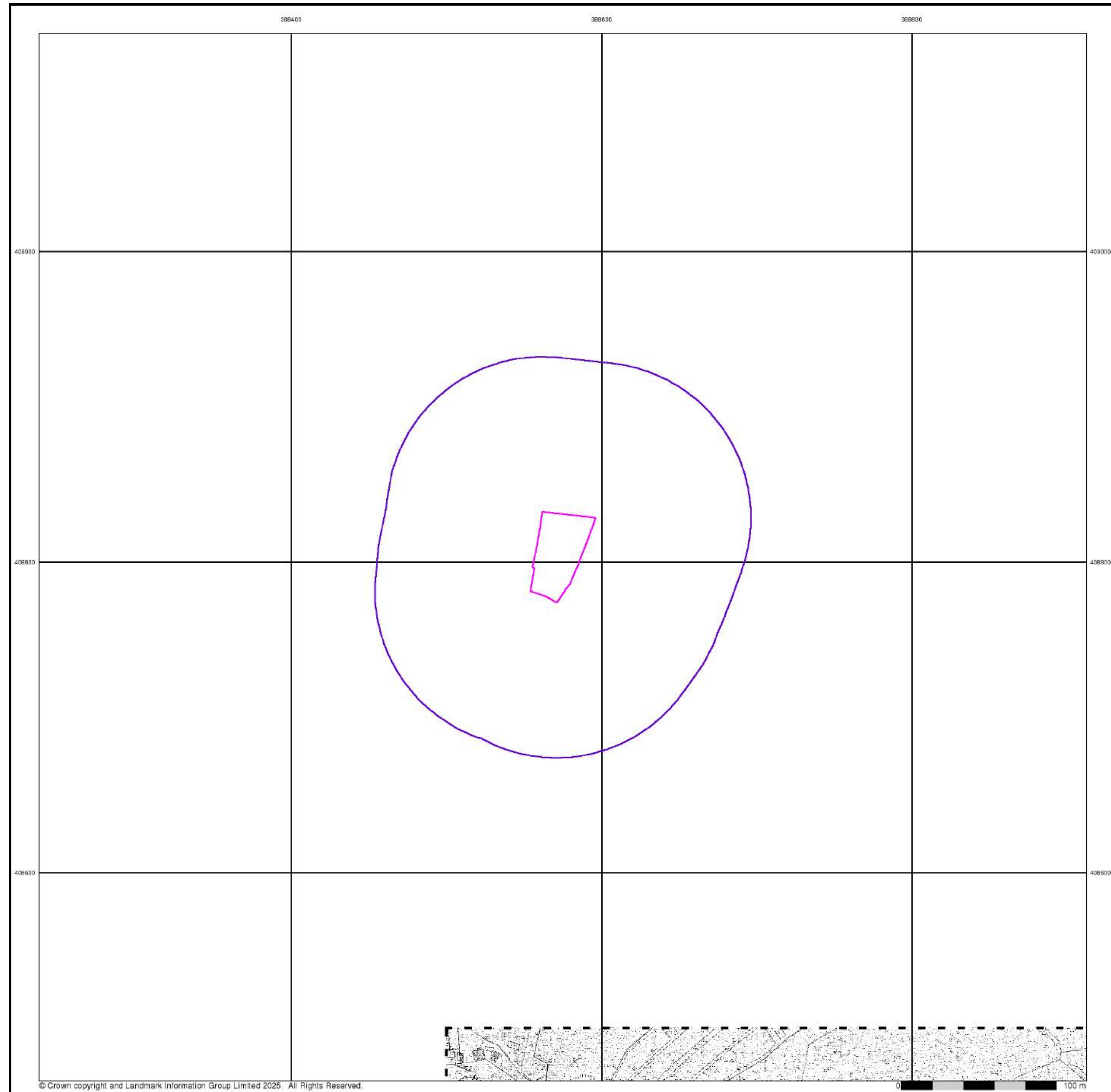


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Supply of Unpublished Survey Information

Published 1975

Source map scale - 1:1,250

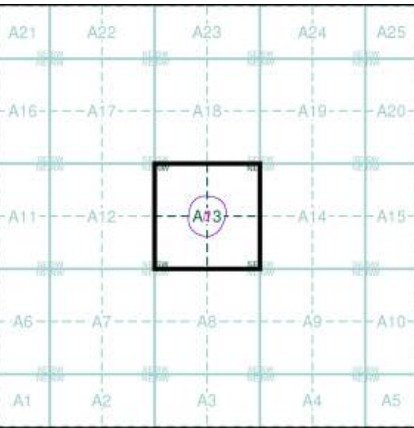
SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



SD8808SE
1975
1:1,250

Historical Map - Segment A13



Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA

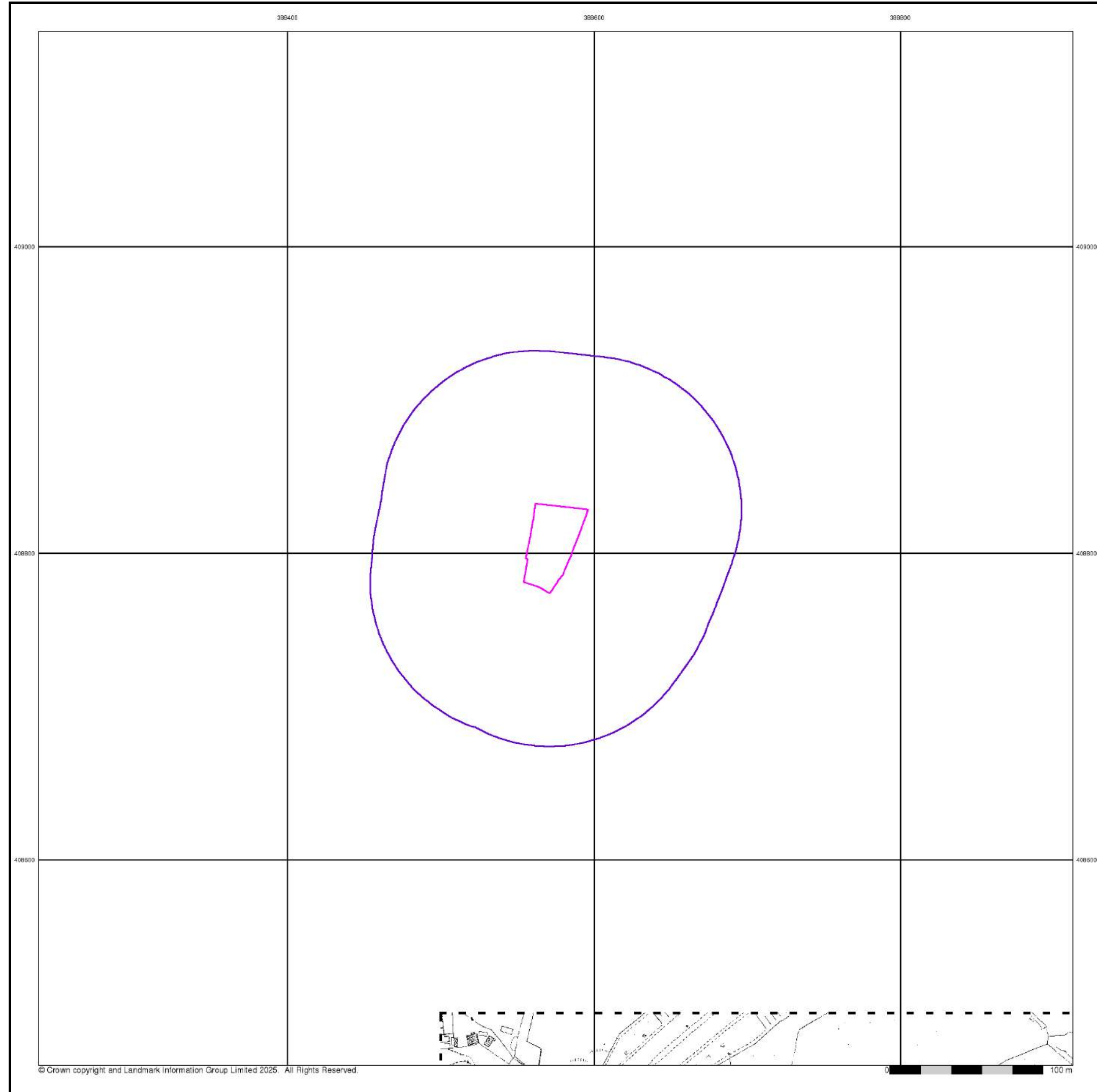
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Supply of Unpublished Survey Information

Published 1976

Source map scale - 1:1,250

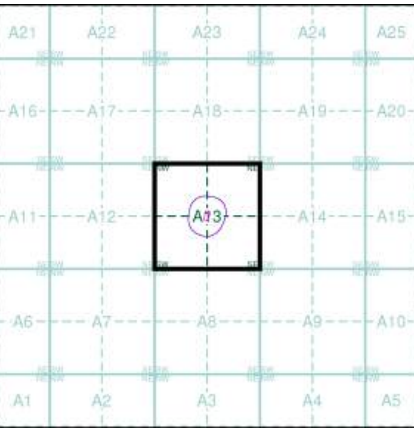
SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



SD8808SE
1976
1:1,250

Historical Map - Segment A13



Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA

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Additional SIMs

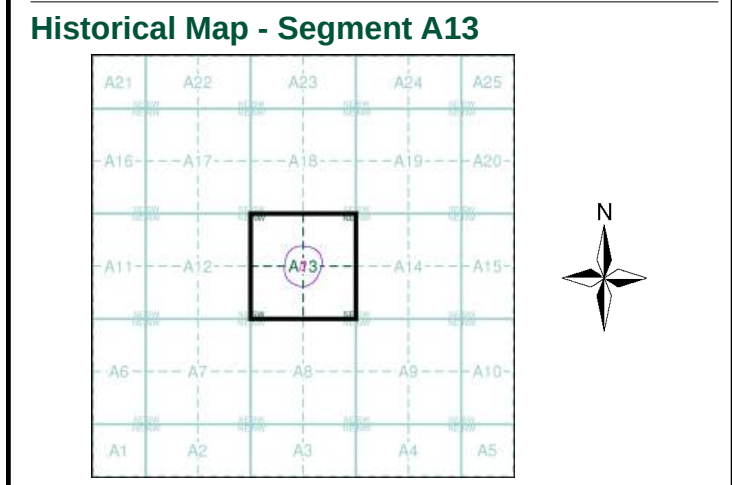
Published 1978 - 1992

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)

ID8809SV	ID8809SE
992	1989
1:1,250	1:1,250
ID8808NV	ID8808NE
984	1978
1:1,250	1:1,250
ID8808SV	ID8808SE
984	1978
1:1,250	1:1,250



Order Details

Order Number: 378288817_1_1

Customer Ref: Mullberry Homes (Church Avenue)

National Grid Reference: 388570, 408810

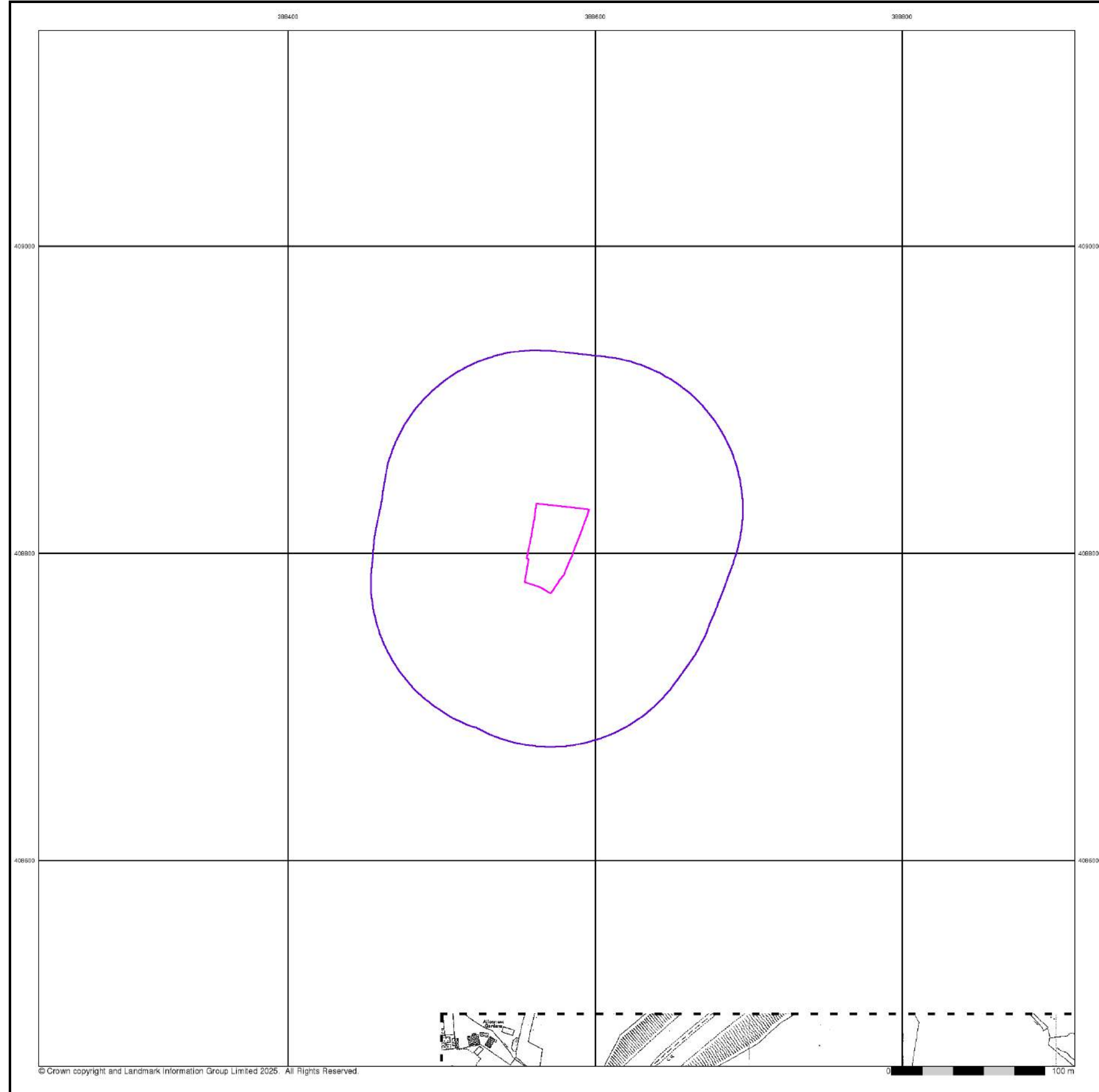
Slice: A

Site Area (Ha): 0.16

Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



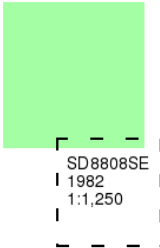
Additional SIMs

Published 1982

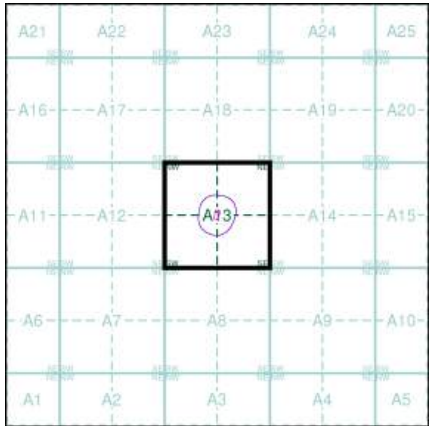
Source map scale - 1:1,250

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

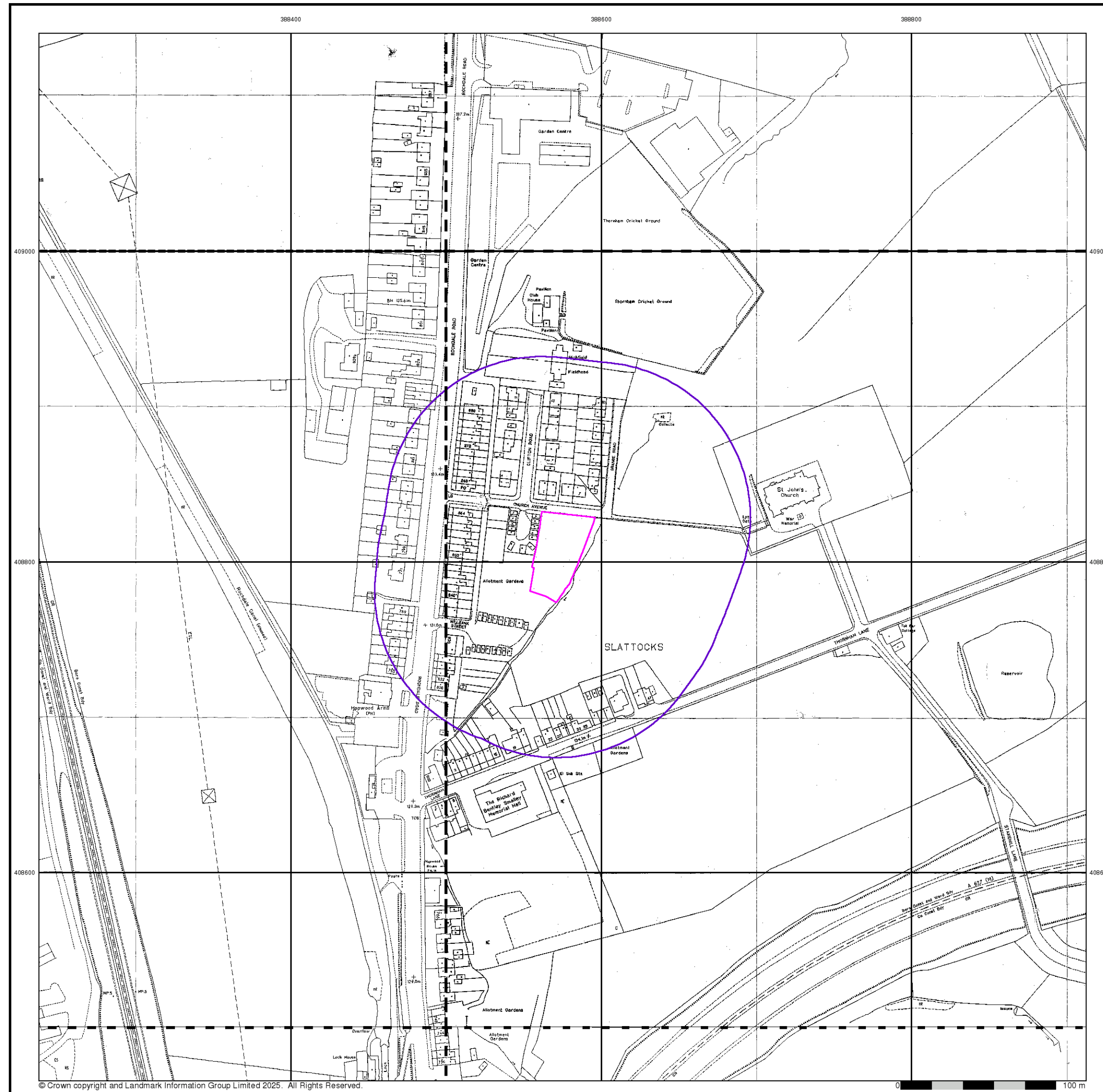


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



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Large-Scale National Grid Data

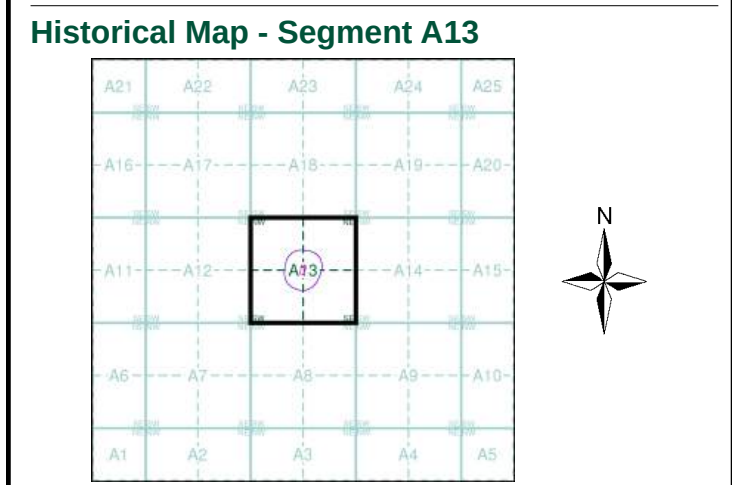
Published 1992

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)

ID8809SV	ID8809SE
992	992
1:1,250	1:1,250
ID8808NV	ID8808NE
992	992
1:1,250	1:1,250
ID8808SV	ID8808SE
992	992
1:1,250	1:1,250



Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA

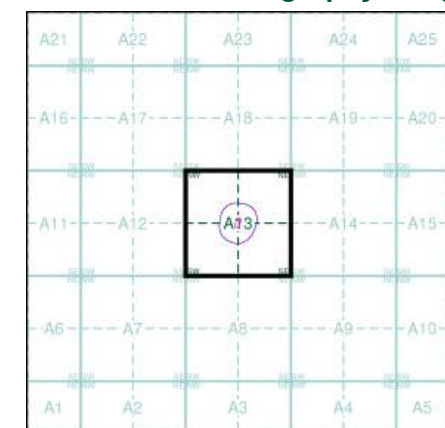


Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

Church Avenue, Middleton, Manchester, M24 2UA

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

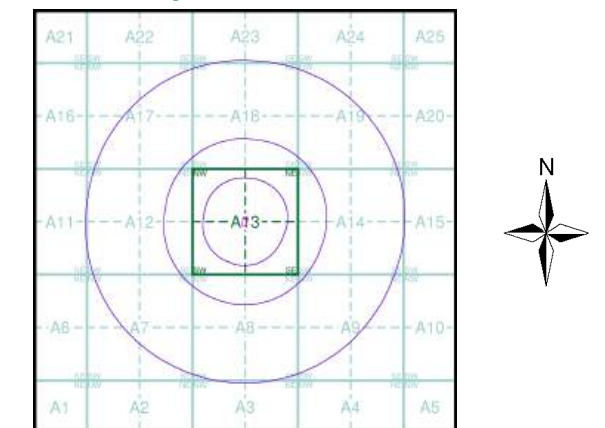
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1922 - 1932	7
Lancashire And Furness	1:10,560	1932	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1977	13
Ordnance Survey Plan	1:10,000	1984 - 1988	14
Ordnance Survey Plan	1:10,000	1993	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2024	18

Historical Map - Slice A



Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

Site Details

Church Avenue, Middleton, Manchester, M24 2UA

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Web: www.envirocheck.co.uk

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

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

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

SD80_Manchester

No.	Description
223	Factory (Bleach)

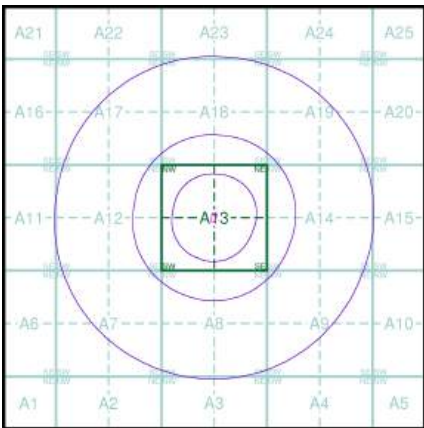
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1922 - 1932	7
Lancashire And Furness	1:10,560	1932	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1977	13
Ordnance Survey Plan	1:10,000	1984 - 1988	14
Ordnance Survey Plan	1:10,000	1993	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2024	18

Russian Map - Slice A



Order Details

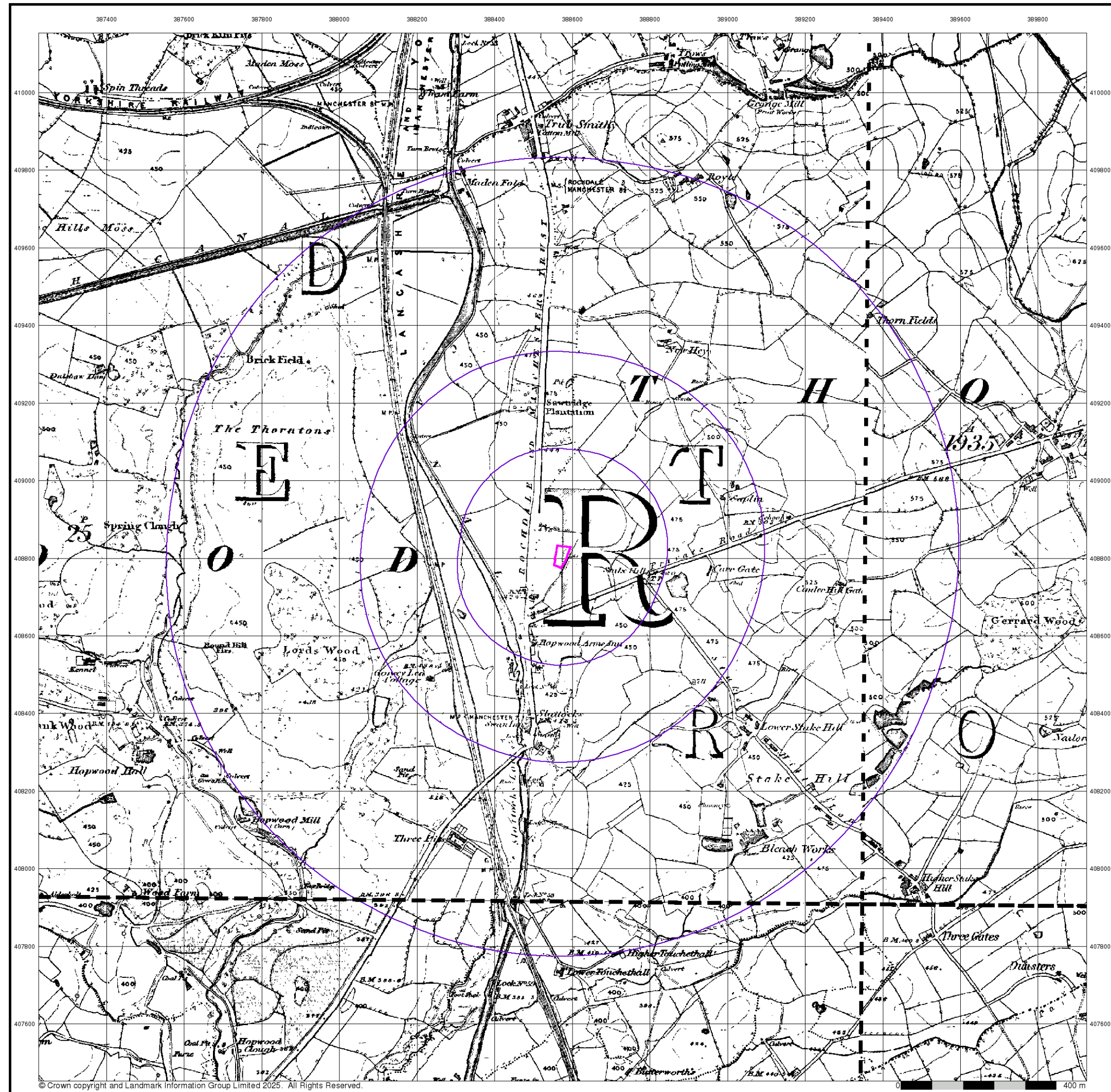
Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

Site Details

Church Avenue, Middleton, Manchester, M24 2UA

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Lancashire And Furness

Published 1848 - 1851

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)

08800 1851 1:10,560	08900 1851 1:10,560
09600 1848 1:10,560	09700 1848 1:10,560

Historical Map - Slice A

Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

Site Details

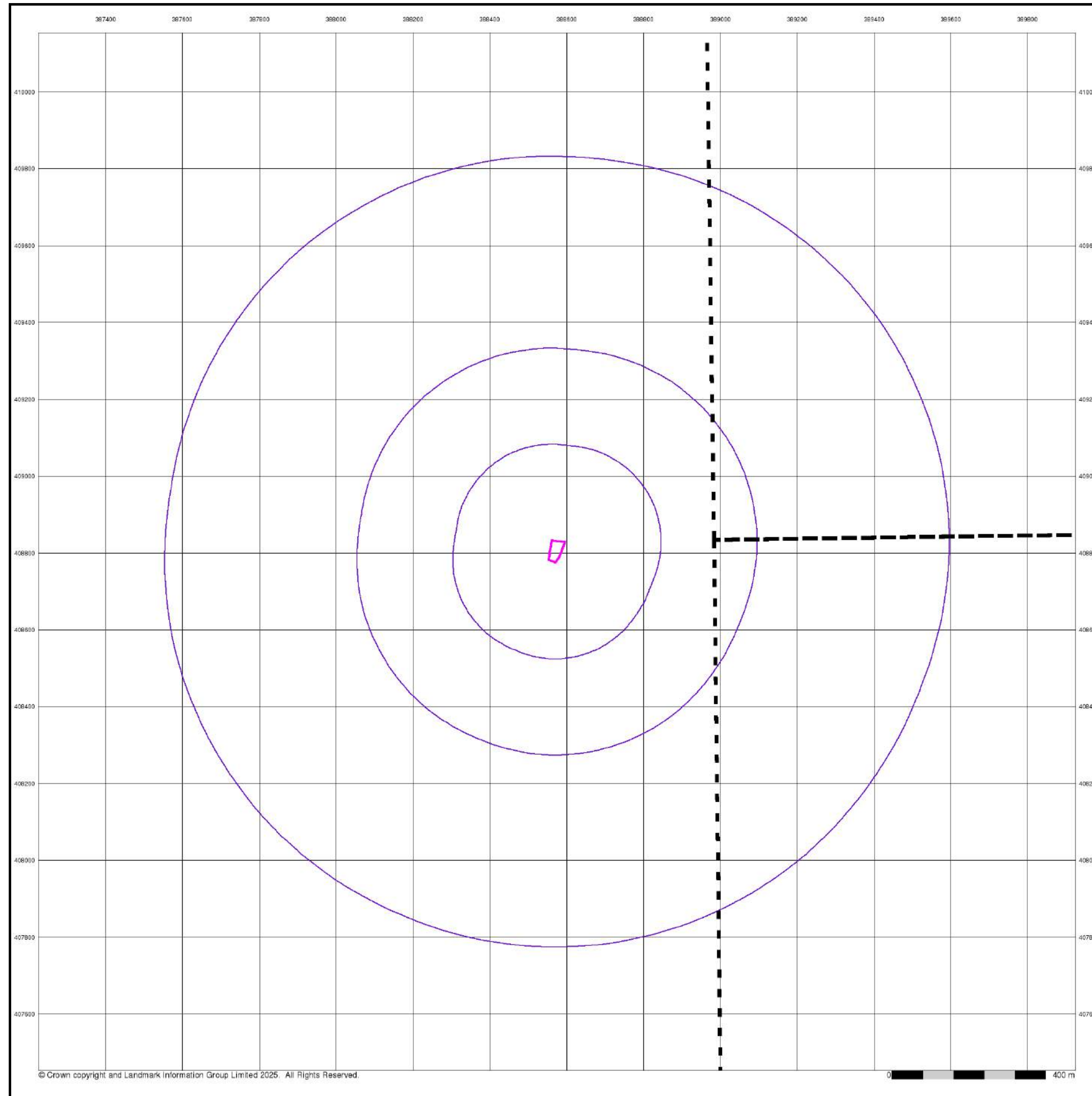
Church Avenue, Middleton, Manchester, M24 2UA

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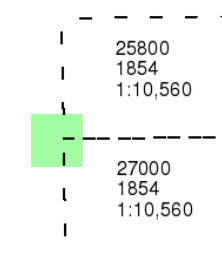
Yorkshire

Published 1854

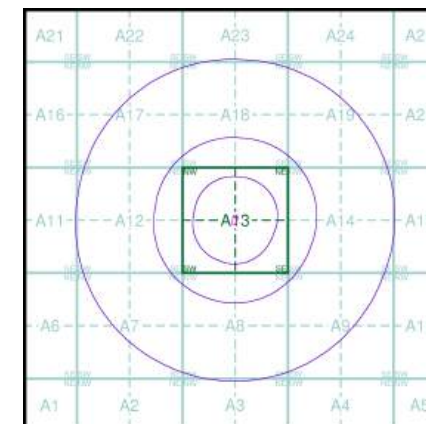
Source map scale - 1:10,560

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

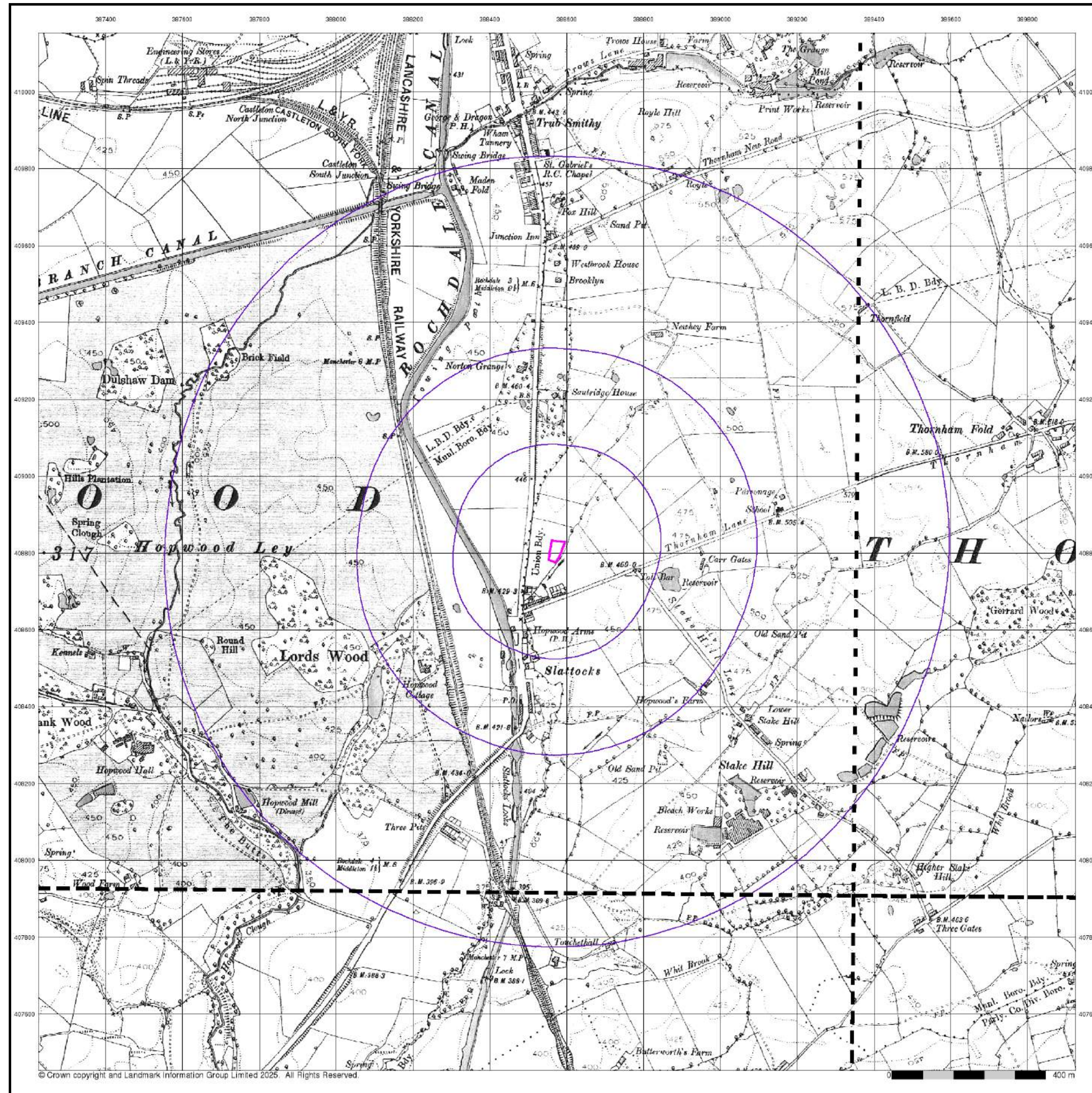
Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1894 - 1895

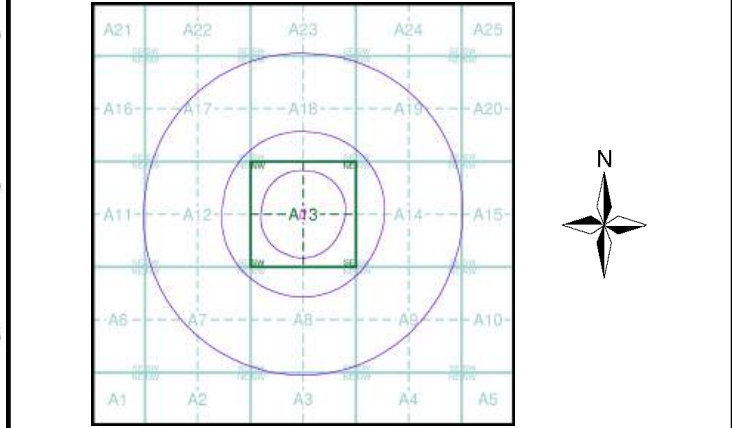
Source map scale - 1:10,560

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.

Map Name(s) and Date(s)

088SE 1894 1:10,560	089SW 1894 1:10,560
096NE 1894 1:10,560	097NW 1895 1:10,560

Historical Map - Slice A

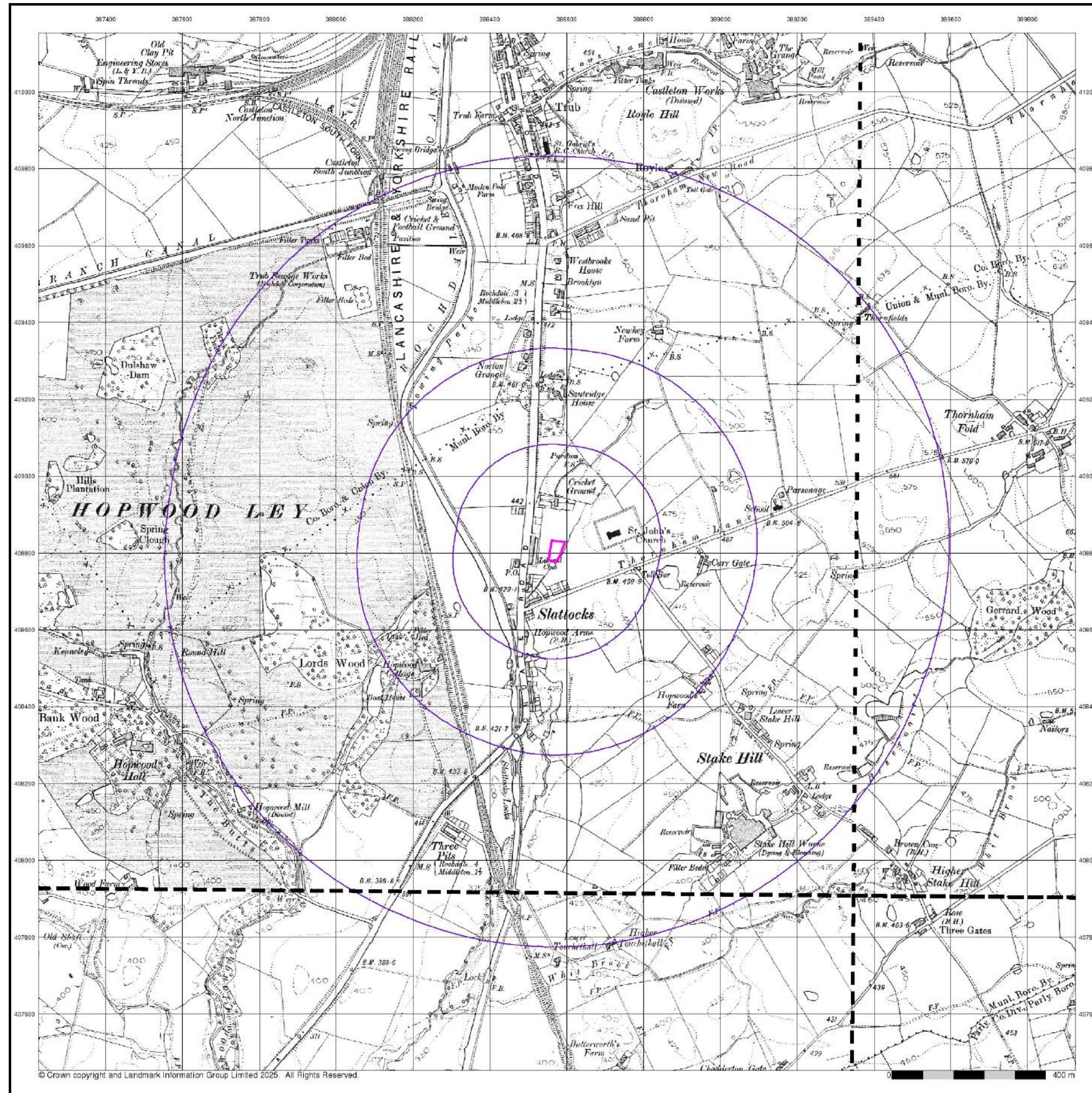


Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

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Lancashire And Furness

Published 1910

Source map scale - 1:10,560

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Map Name(s) and Date(s)

088SE 1910 1:10,560	089SW 1910 1:10,560
096NE 1910 1:10,560	097NW 1910 1:10,560

Historical Map - Slice A

Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

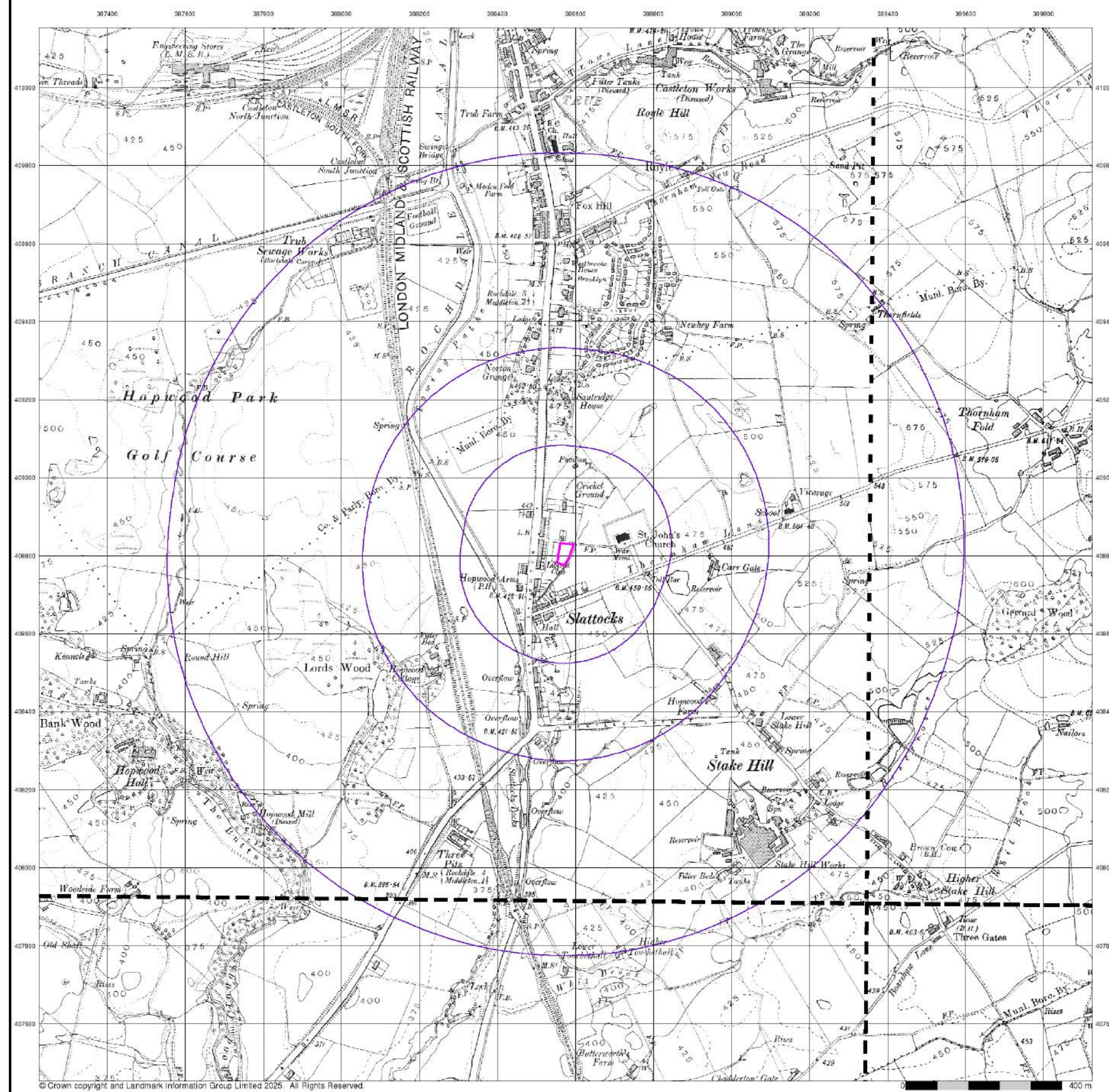
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Lancashire And Furness

Published 1922 - 1932

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)

088SE 1932 1:10,560	089SW 1931 1:10,560
096NE 1923 1:10,560	097NW 1922 1:10,560

Historical Map - Slice A

A diagram showing a grid of map slices. The horizontal axis is labeled A1 to A25, and the vertical axis is labeled A1 to A15. A site area is highlighted in pink, centered on slice A13. A purple circle represents the search buffer.

Order Details

Order Number: 37828817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

Site Details

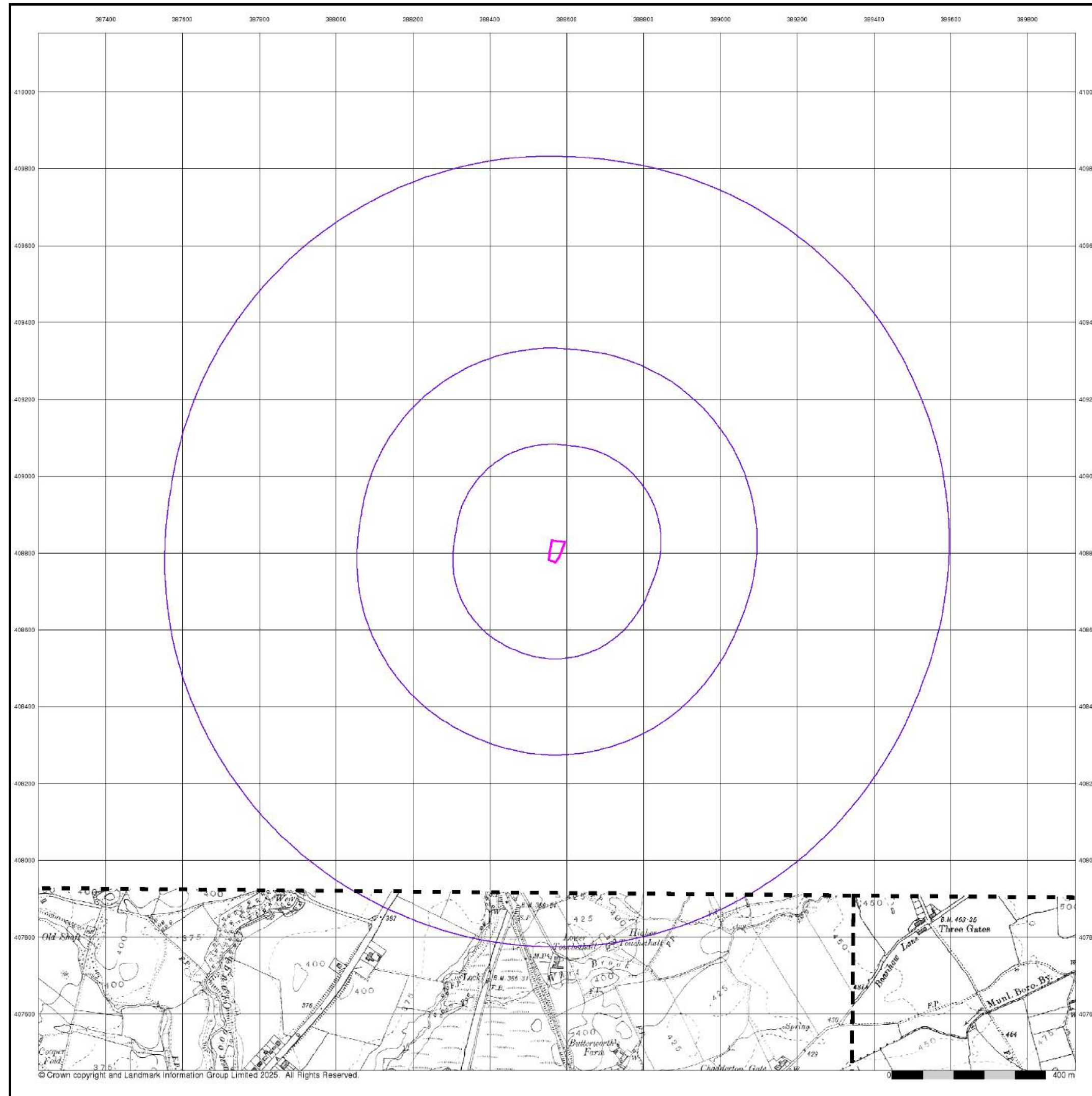
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Lancashire And Furness

Published 1932

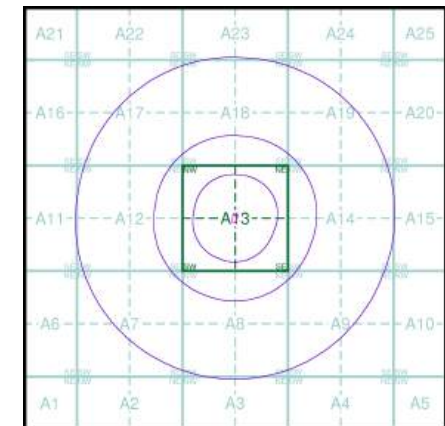
Source map scale - 1:10,560

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)

096NE 1932 1:10,560	097NW 1932 1:10,560

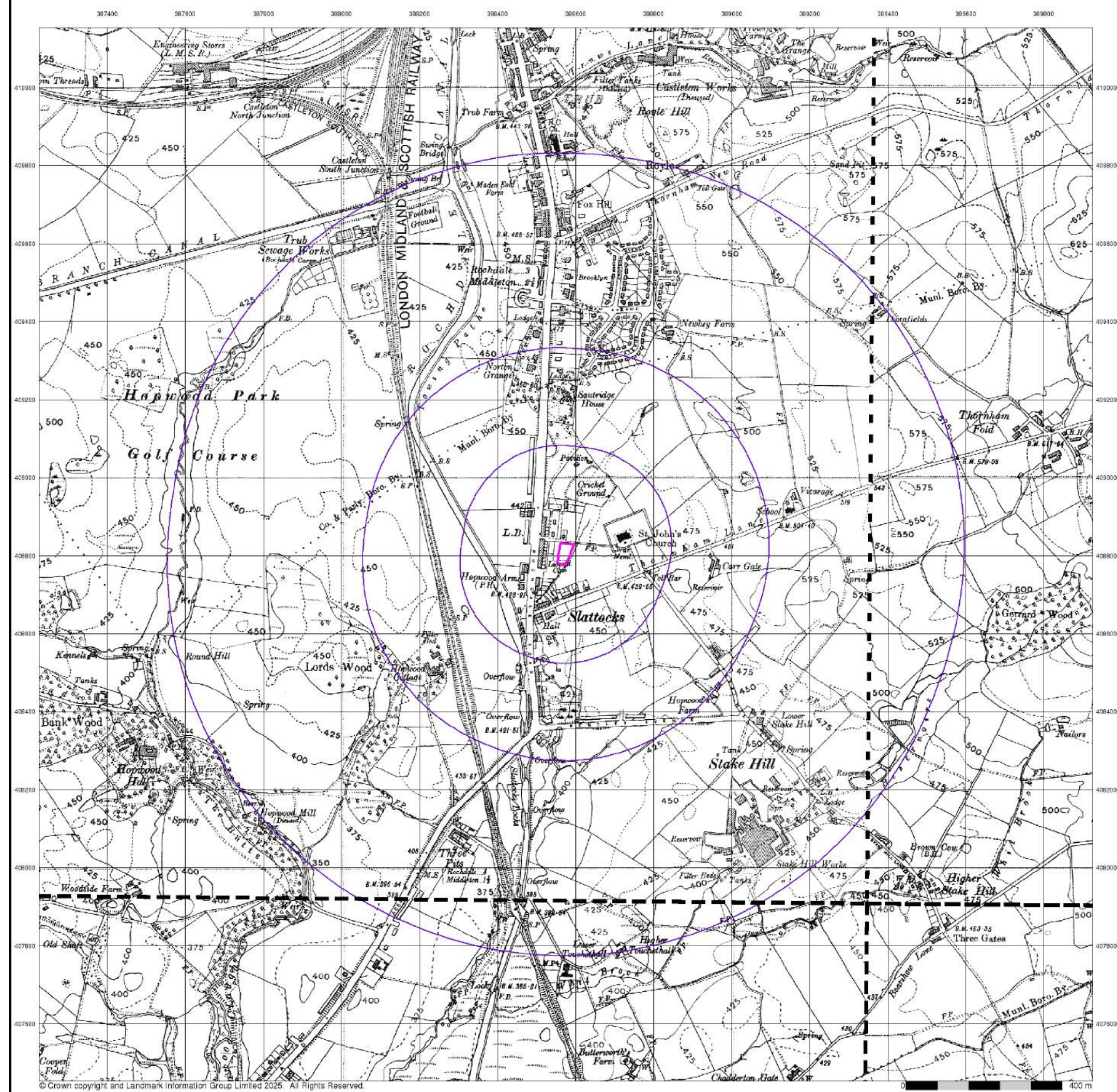
Historical Map - Slice A



Order Details	
Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

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Lancashire And Furness

Published 1938

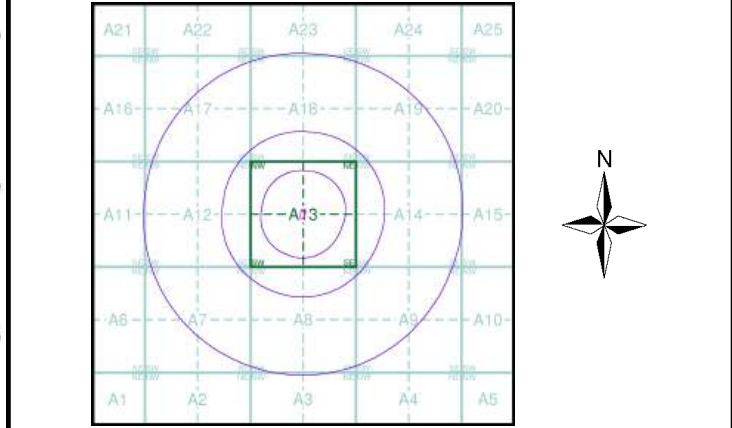
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088SE 1938 1:10,560	089SW 1938 1:10,560
096NE 1938 1:10,560	097NW 1938 1:10,560

Historical Map - Slice A

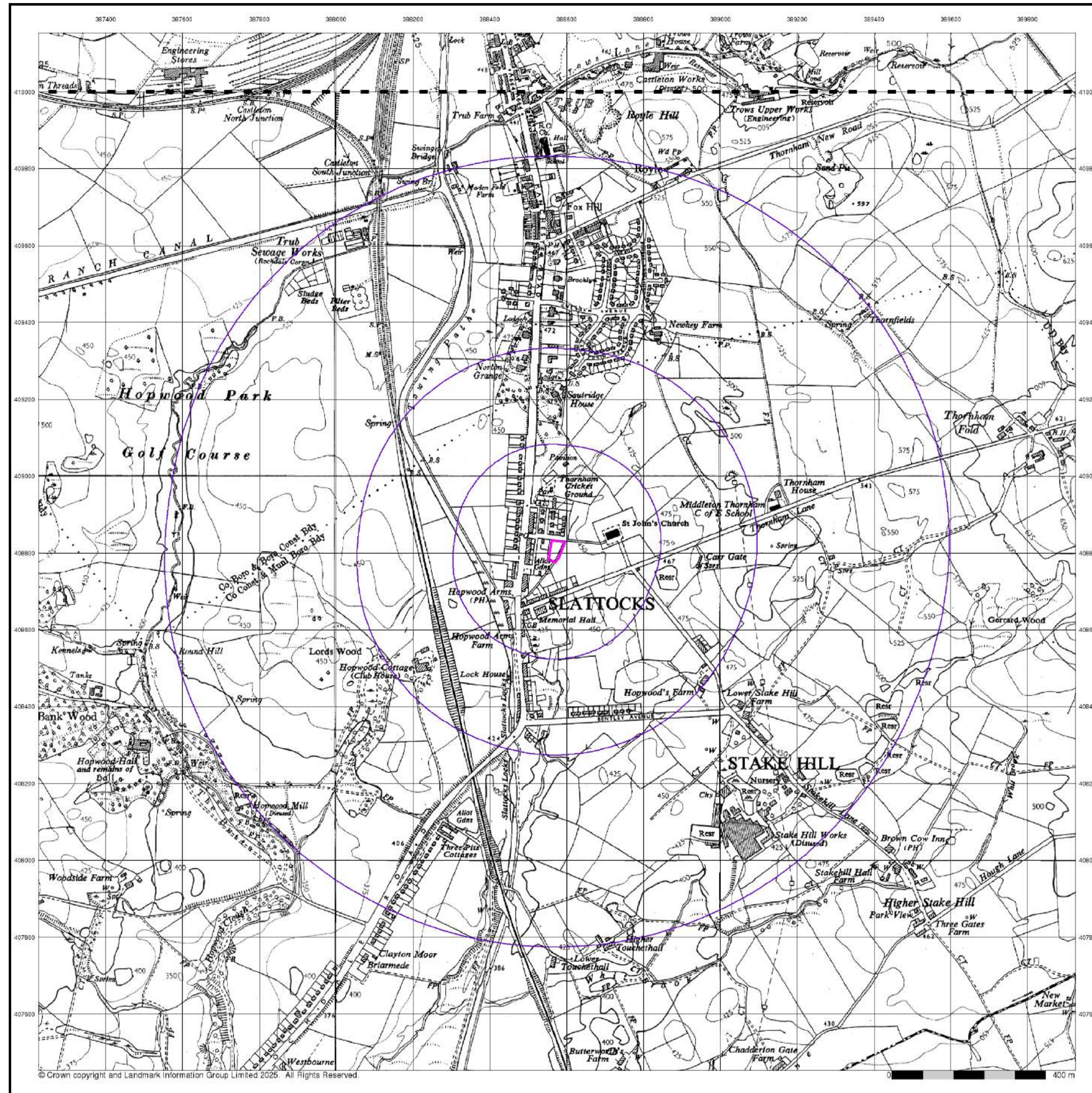


Order Details

Order Number:	37828817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1956

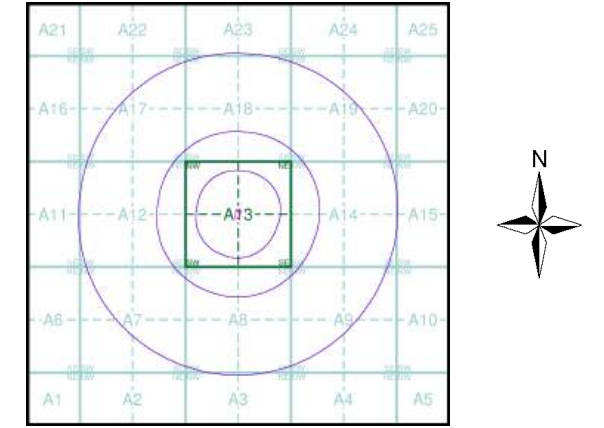
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE
1956
1:10,560
SD80NE
1956
1:10,560

Historical Map - Slice A

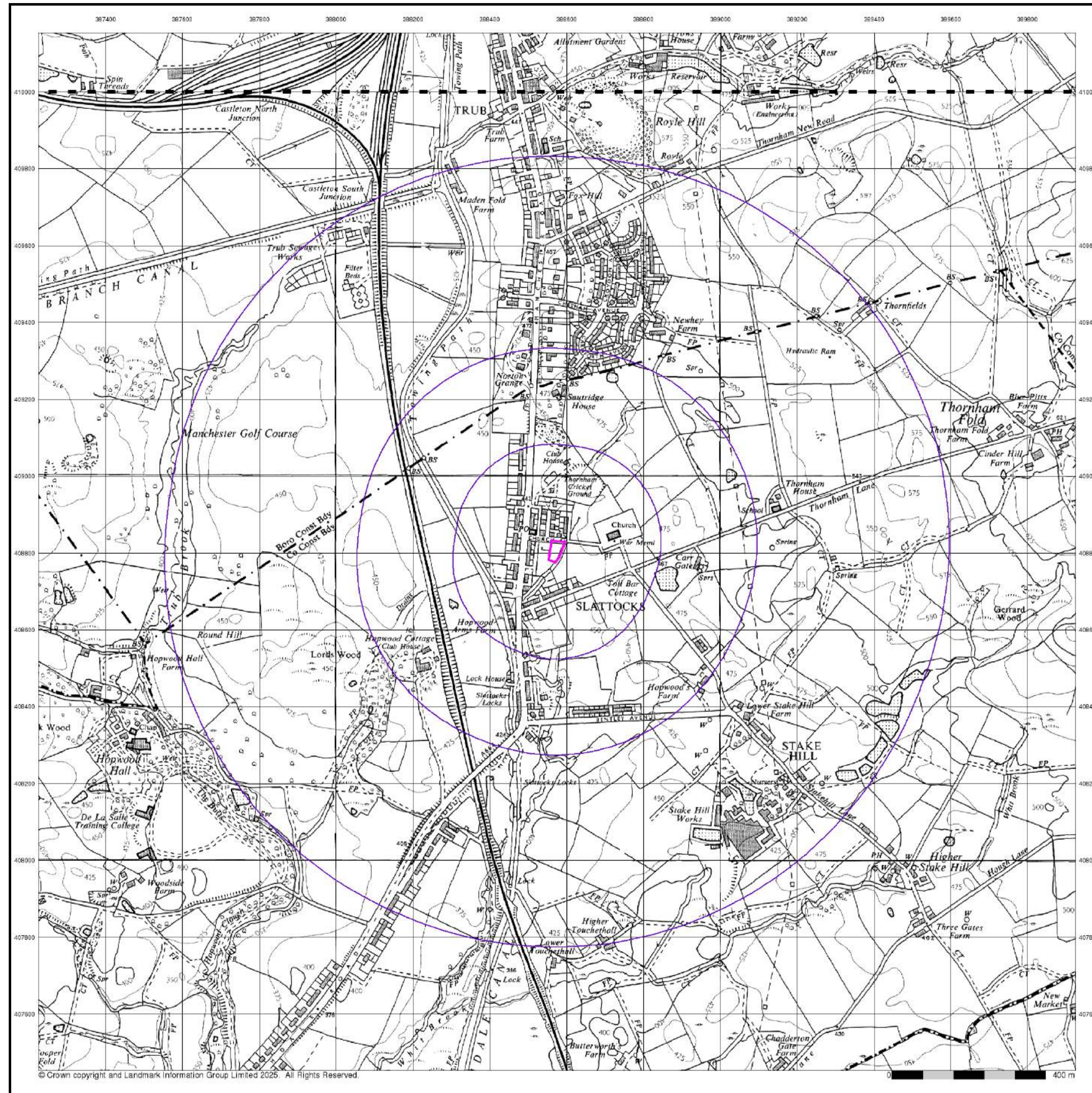


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1965 - 1968

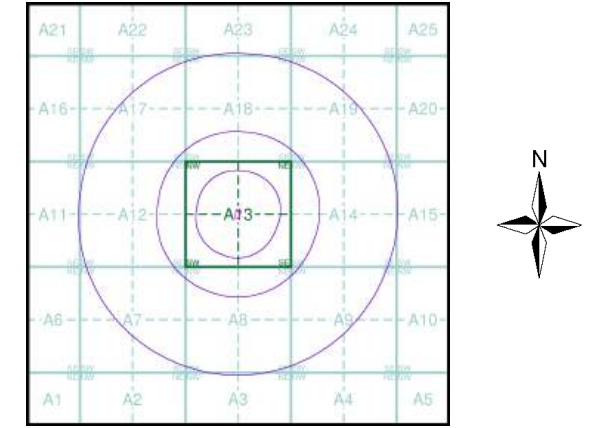
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE
1968
1:10,560
SD80NE
1965
1:10,560

Historical Map - Slice A

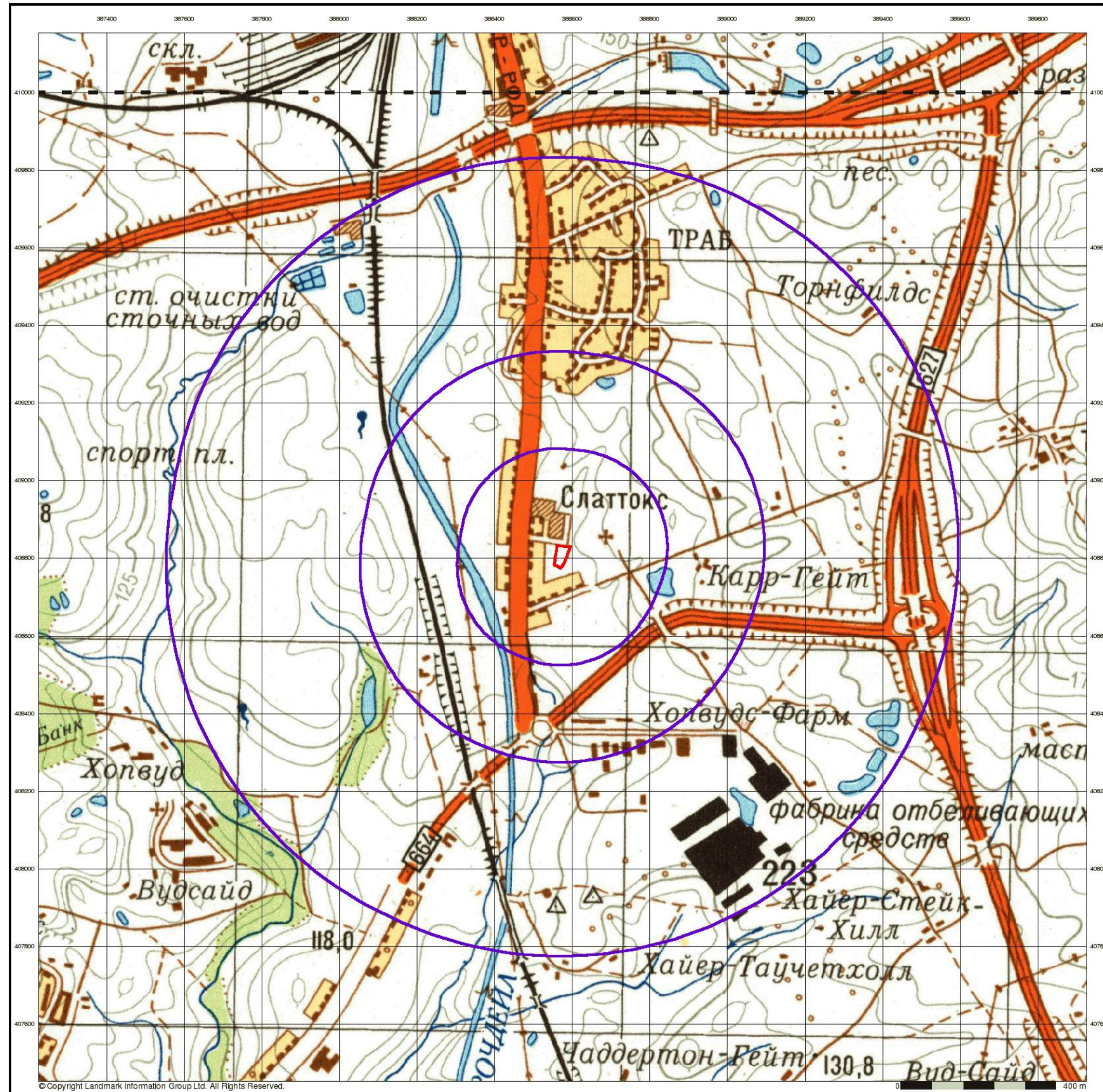


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

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Manchester

Published 1975

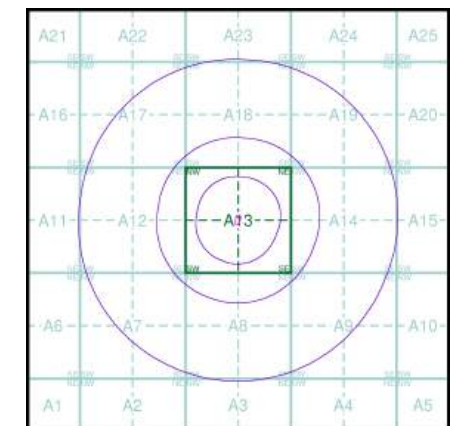
Source map scale - 1:25,000

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)

SD81	1975	1:25,000
SD80	1975	1:25,000

Russian Map - Slice A



Order Details

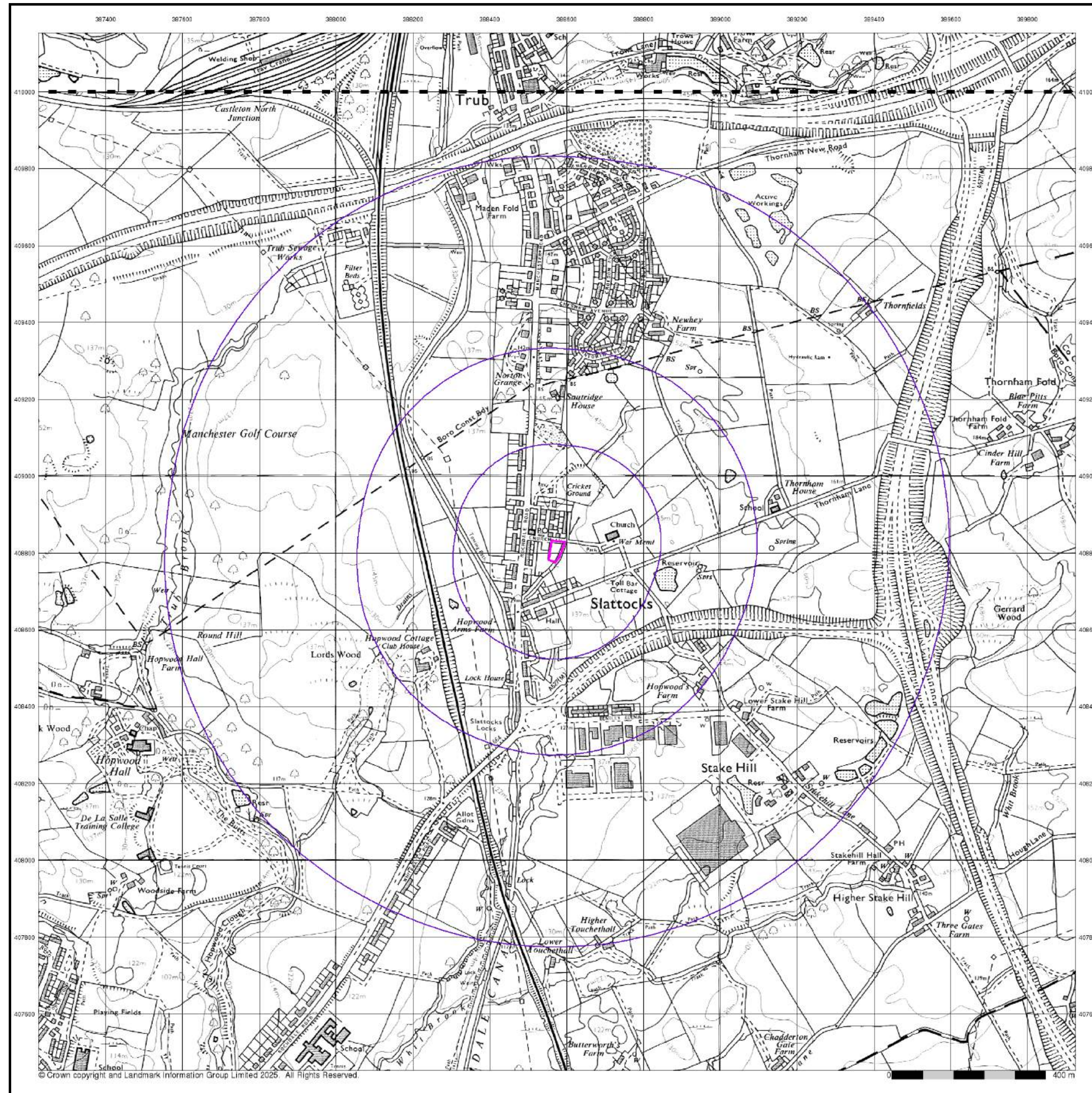
Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1977

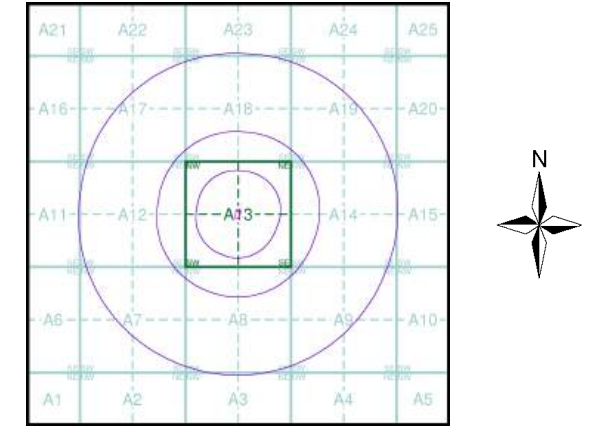
Source map scale - 1:10,000

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)

SD81SE
1977
1:10,000
SD80NE
1977
1:10,000

Historical Map - Slice A

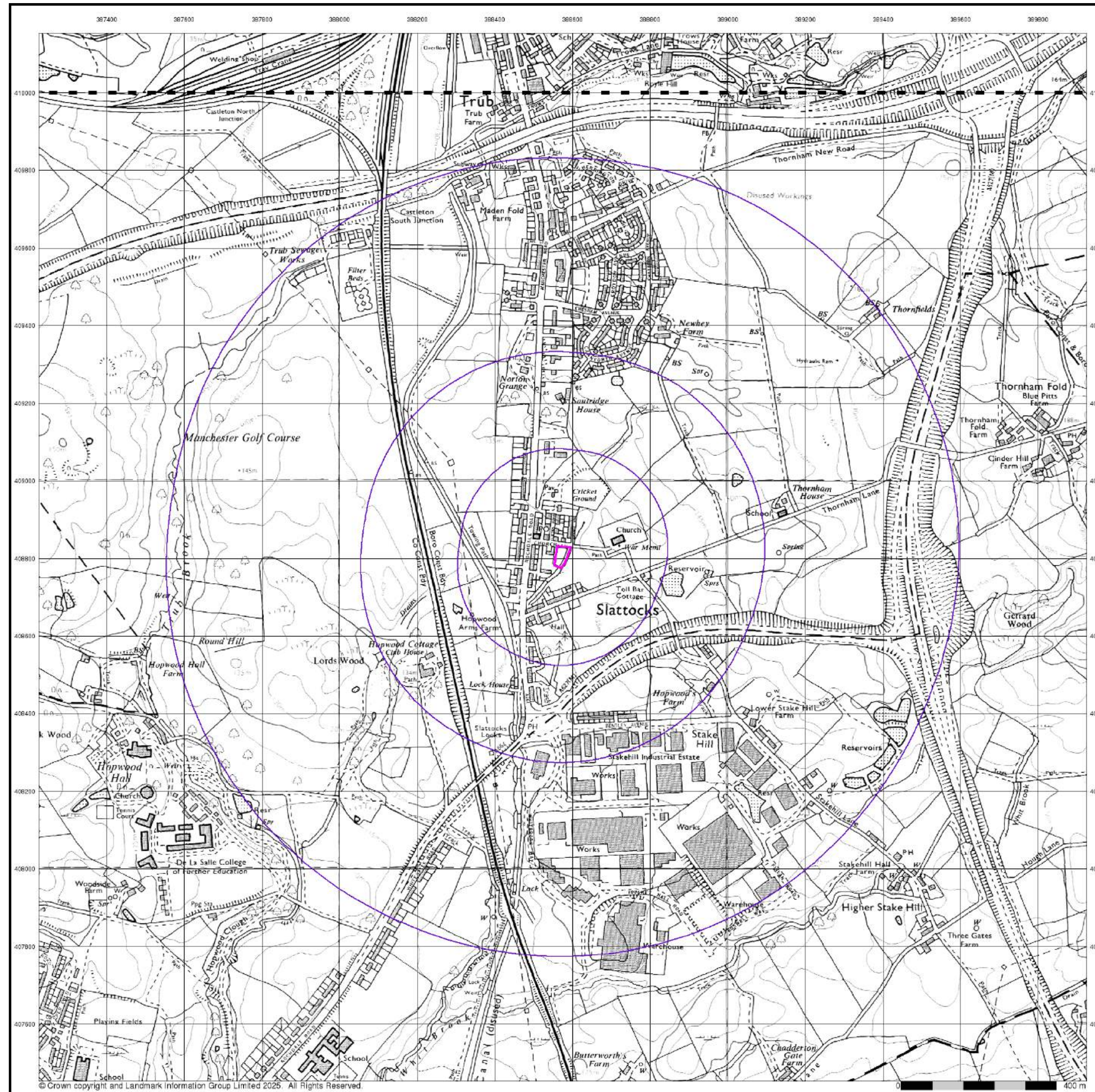


Order Details

Order Number: 378288817_1_1
Customer Ref: Mullberry Homes (Church Avenue)
National Grid Reference: 388570, 408810
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1984 - 1988

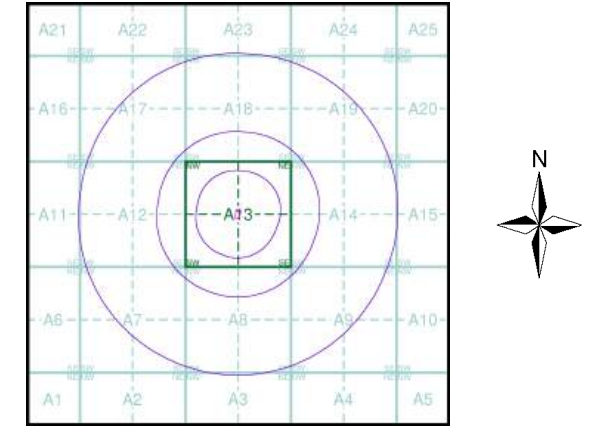
Source map scale - 1:10,000

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)

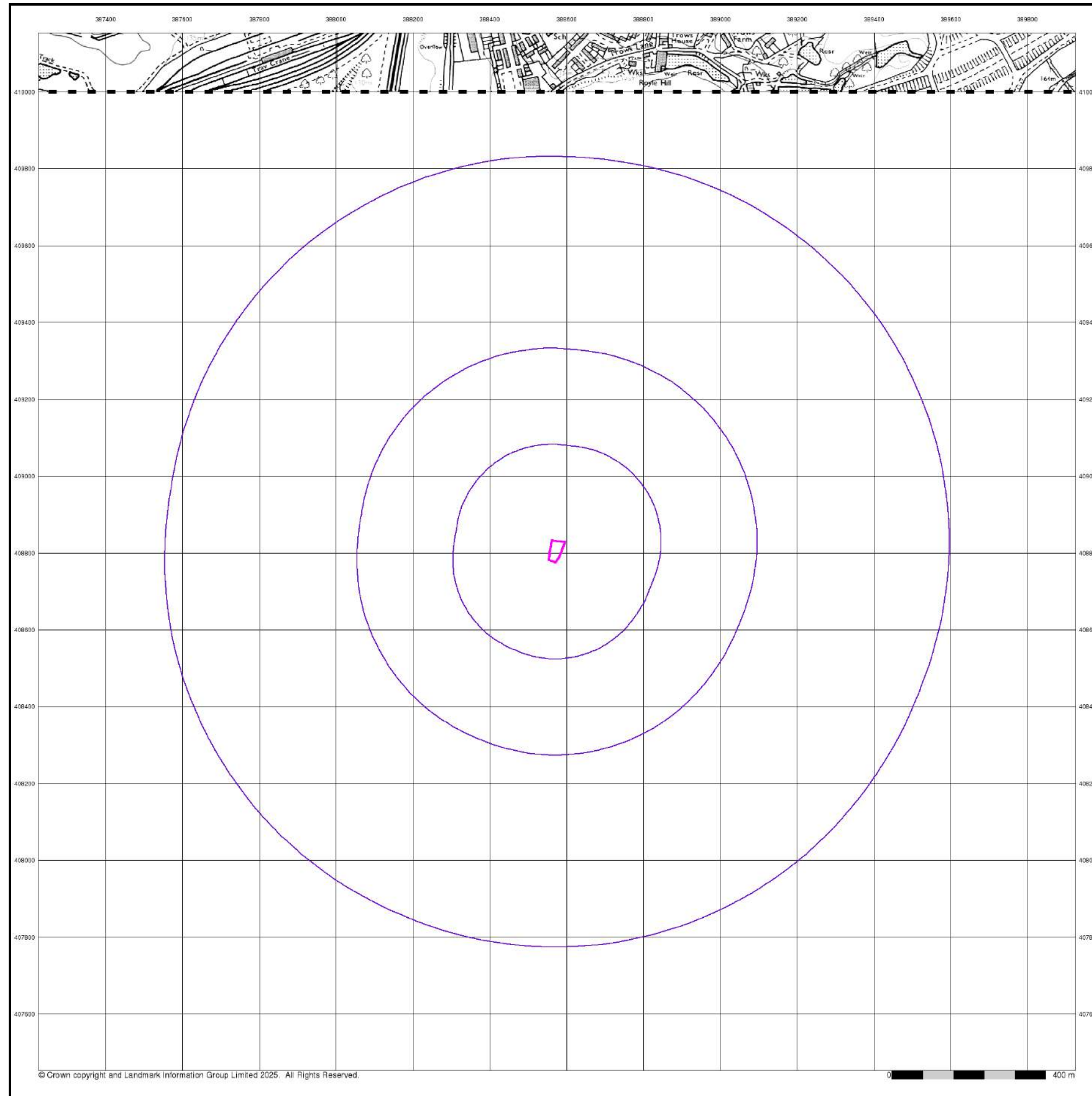
SD81SE	1988	1:10,000
SD80NE	1984	1:10,000

Historical Map - Slice A



Order Details	
Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1993

Source map scale - 1:10,000

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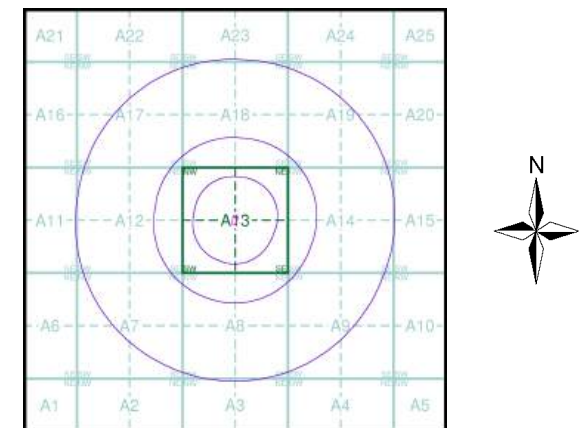
Map Name(s) and Date(s)

SD81SE

1993

1:10,000

Historical Map - Slice A



Order Details

Order Number:

Customer Ref:

National Grid Reference:

Slice:

Site Area (Ha):

Search Buffer (m):

378288817_1_1

Mullberry Homes (Church Avenue)

388570, 408810

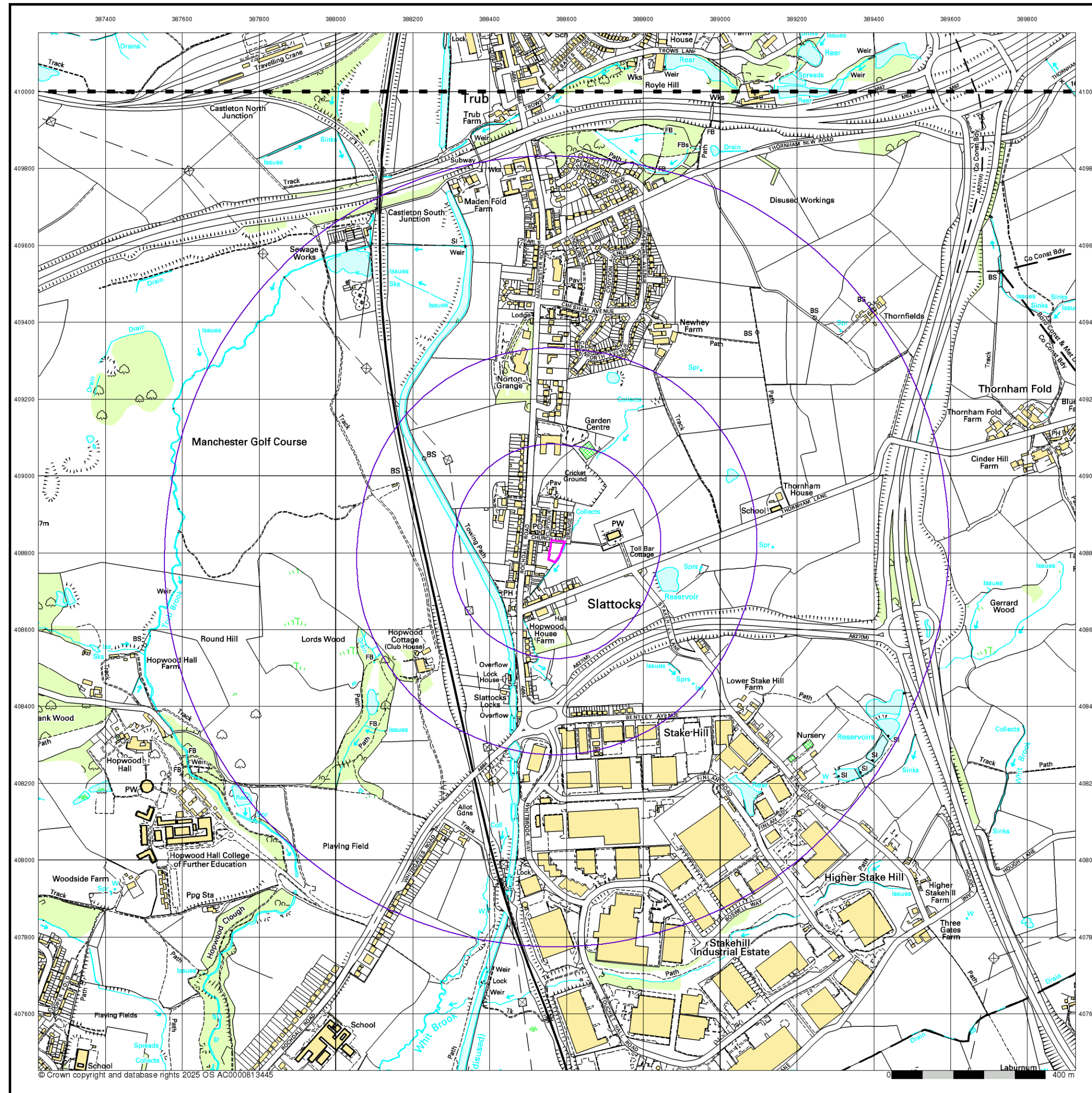
A

0.16

1000

Site Details

Church Avenue, Middleton, Manchester, M24 2UA



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10k Raster Mapping

Published 1999

Source map scale - 1:10,000

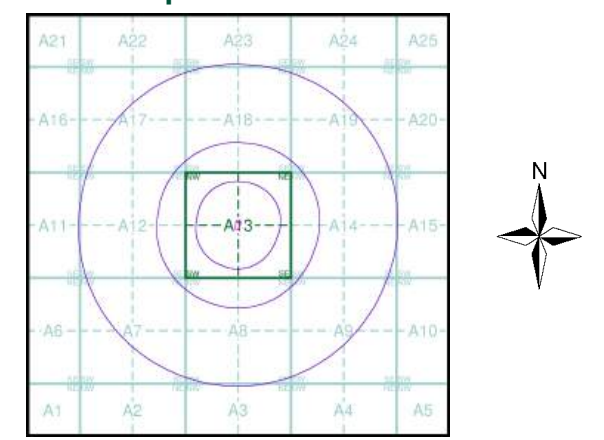
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SD81SE
1999
1:10,000

SD80NE
1999
1:10,000

Historical Map - Slice A

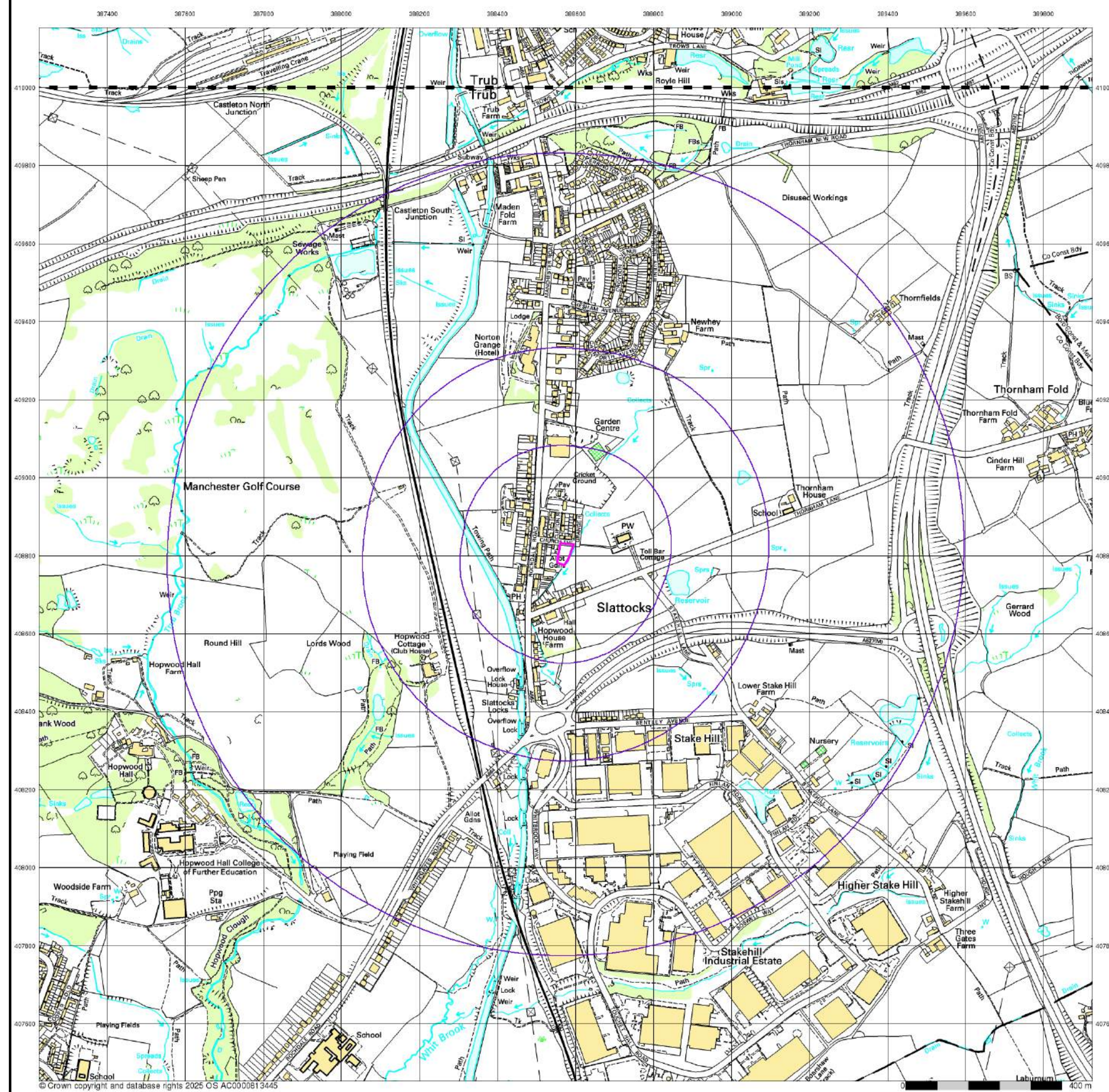


Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE	2006	1:10,000
SD80NE	2006	1:10,000

Historical Map - Slice A

Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

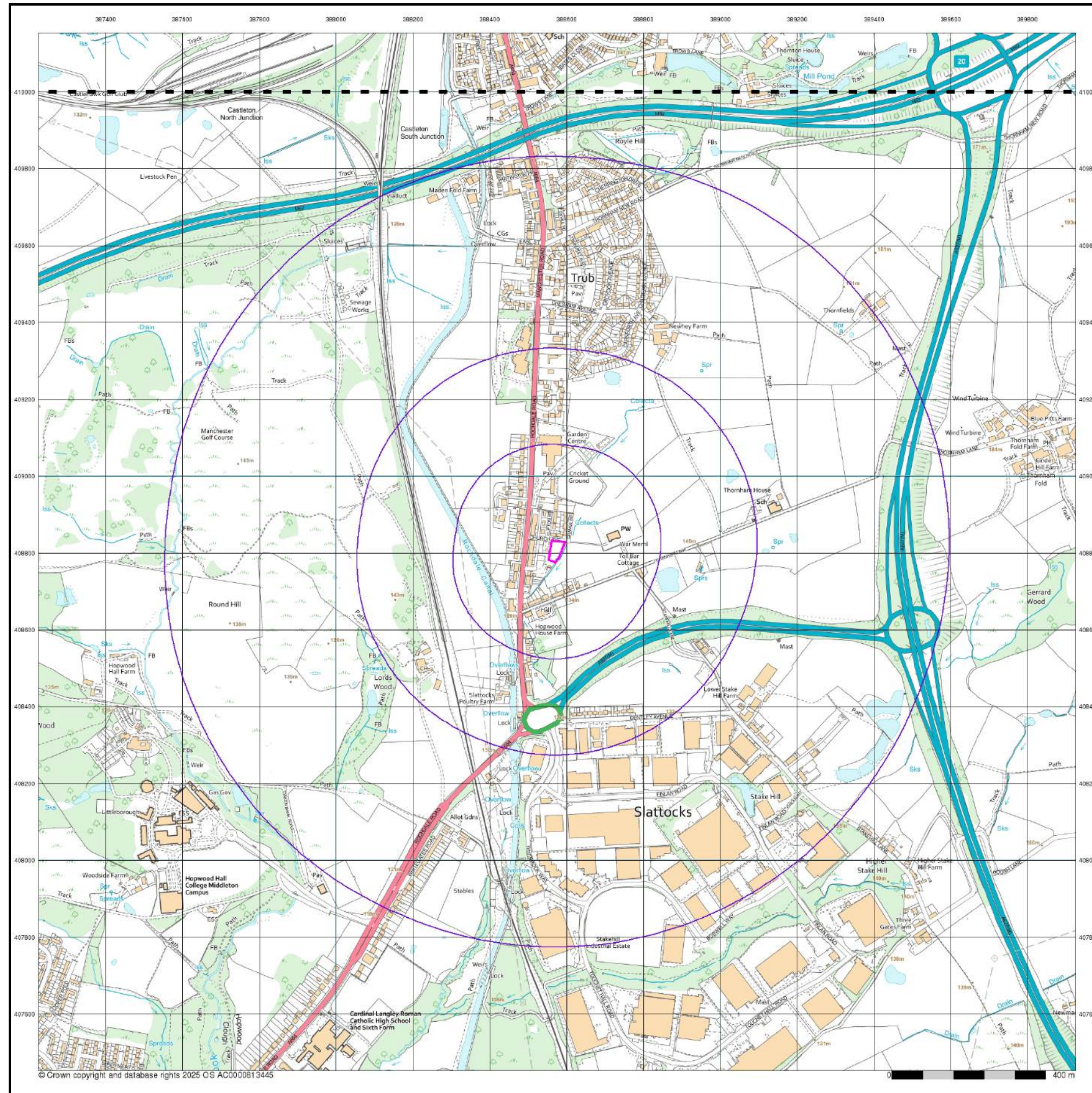
Church Avenue, Middleton, Manchester, M24 2UA

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VectorMap Local

Published 2024

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE	2024	Variable
SD80NE	2024	Variable

Historical Map - Slice A

Order Details

Order Number:	378288817_1_1
Customer Ref:	Mullberry Homes (Church Avenue)
National Grid Reference:	388570, 408810
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

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