



Riverside Drive, Rochdale

Preliminary Risk Assessment

Job Number
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Client
Fothergill Coated Fabrics



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1. Introduction

LK Consult Ltd (LKC) has been commissioned to carry out a Phase 1 Preliminary Risk Assessment (PRA) for Riverside Drive, Rochdale.

In accordance with current guidance (including LCRM¹ and the National Planning Policy Framework (NPPF)²), the PRA will include a site reconnaissance, site history, geology, hydrogeology, hydrology, mineral search, and a landfill search. Information gathered from the desk study and site reconnaissance will be used to develop a contamination conceptual model for the site.

In addition, the information gathered will be used to identify potential geotechnical constraints associated with the redevelopment of the site.

Based on the findings of this report, an appropriate site investigation can be derived, if required.

A summary of the site details is presented in Table 1-1. Figure 1 indicates the site location and boundary plan. Figure 2 indicates the proposed development.

Location	Unit north of Riverside Drive, Rochdale. Centred at National Grid Reference 391255E, 414845N.
Area	5,400m ² .
Topography	Approximately 130 metres above ordnance datum (AOD). Site is approximately level and is raised above the access road to the south. The site is lower than the adjacent properties to the north-east and north-west.
Current Site Use	Industrial unit with associated office space, car parking and storage space.
Proposed Development	Extension to the north-eastern side of the current development including the existing soft landscaping on the current slope.

Table 1-1: Summary of site details.

2. Historical Review

In compiling the site history, LKC consulted Envirocheck historical mapping (Appendix A) and other public domain maps / aerial photography.

Table 2-1 summarises features on site. Table 2-2 summarises potentially contaminative land uses within approximately 50m and potentially infilled features within approximate 250m.

Site Features	Location on Site	Dates Present		Comments
		From	To	
Undeveloped land	Entire	1851	1851	Entire site undeveloped.
Spring Mill	SW	1892	1975	Part of large mill on site associated with cotton until relabelled as bleaching, dyeing, raising and finishing by 1910. Linked infrastructure include tank in the east no longer present from 1894. Mill no longer shown from 1979.
Spring cottage	NE	1892	1975	Residential building with private driveway and garden areas. No longer shown from 1979.
Reservoir	SE	1892	1975	Reservoir occupying south-east of the site, most likely associated with Spring Mill. No longer shown from 1979. New development built over this location by 2006.
Unoccupied land	Entire	1979	2003	No development shown on site. All previous buildings no longer present.
Building	SW	2006	2025	Current development. Single building with hardstanding surrounding and small amounts of soft landscaping.

Table 2-1: Summary of site features. Dates are based on available historical map editions.

Surrounding Area Features	Distance (m)	Direction	Dates Present		Comments
			From	To	
Spring Mill	Adj.	SW	1892	1975	Remainder of Spring Mill (cotton & bleaching, dyeing, raising and finishing) with associated features including tanks and 1 no. chimney (no longer shown from 1910). Mill no longer present from 1979. 1 no. Tanks labelled until 1939, but outline remains until 1967.
Commercial/industrial building	Adj.	SE	2003	2025	Unlabelled large unit built by 2003. Current mapping indicated building used as printing works.
Roach Vale Mill	15	E	1892	2025	Mill building associated with cotton. Reduced in size and relabelled as works by 1996. From 2025 imaging this area now forms part of a groundworkers yard with evidence of construction waste.
Filter Tanks	35	SE	1910	1975	No longer present by 1979.
Reservoirs	45-210	N, NE, SW	1892	1975-1999	Reservoirs associated with several mills in the area. Most no longer shown by 1979. 1 no. reservoir 122m NE present until 1999.

Table 2-2: Summary of potentially contaminative features within 50m and potentially infilled features within 250m. Dates are based on available historical map editions.

Surrounding Area Features	Distance (m)	Direction	Dates Present		Comments
			From	To	
Reservoir/pit	75	N	1892	1975	Unlabelled pit from 1892. Relabelled as reservoir by 1910. No longer shown from 1979.
Small Bridge Colliery	155	NE	1851	1894	Colliery contains 2no. shafts and a mix of buildings. No longer labelled from 1910 but has old shafts labelled in same location. Area become allotment gardens.
Old clay pit	220	S	1892	1894	No longer present by 1910.

Table 2-3 (continued): Summary of potentially contaminative features within 50m and potentially infilled features within 250m. Dates are based on available historical map editions.

Plate 2-1 below shows some of the features on site and surrounding the site highlighted in the Table 2-2. These include the reservoir, mill and cottage on site as well as the remainder of the mill offsite and Roach Vale Mill to the east.



Plate 2-1: Extract of the 1958 historical map showing the site features and surrounding area.

3. Environmental Setting

A summary of environmental settings is presented in Table 3-1, based on a review of available environmental data.

Categories ^(data sources)			Details
Geology ^{1, 2, 3}	Artificial Ground		No BGS recorded artificial ground.
	Superficial Deposits		Till (diamicton). Alluvium deposits encroach onto the south-western corner of the site.
	Bedrock		Pennine Lower Coal Measures (mudstone, siltstone and sandstone with occasional coal bands).
	BGS Logs (100m)		BH Ref: SD91SW11, Onsite under northern corner of current building (summarised to 50mbgl): made ground to 1.52m, clay to 2.74m, sandy clay to 3.96m, peat to 4.72m, clay and gravel to 6.40m, clay to 7.39m, loamy sand to 18.44m, shale with ironstone to 21.95m, broken sandstone to 42.06m, interbedded sandstone and shale to >50m.
Hydro-geology ¹	Aquifer Designation	Superficial	Secondary A Aquifer (Alluvium) and Secondary Undifferentiated Aquifer (Till)
		Bedrock	Secondary A Aquifer.
	Source Protection Zone (SPZ)		Site not within an SPZ.
	Groundwater Abstractions (100m)		None.
Hydrology ¹	Surface Watercourses (100m)		Ash Brook 35m E, flowing S.
	Flooding Risk ^{1, 4}		Flood Zone 1.
	Surface Water Abstractions (100m)		90m SE, general cooling.
	Discharge Consents (onsite)		None.
	Pollution Incidents (onsite)		None.
Minerals & Mining ^{1, 5}	Coal Mining		Within a Coal Reporting Area. Not within a Development High Risk Area.
	Surface Mineral Extractions (250m)		None.
	Non-Coal Mining Area		No hazard.
Ground Stability ¹	Collapsible Ground		Very low hazard.
	Compressible Ground		Moderate hazard.
	Ground Dissolution		No hazard.
	Landslide		Very low hazard.
	Running Sand		Low hazard.
	Shrinking / Swelling Clay		Very low hazard.

Table 3-1: Summary of the environmental setting.

Notes: Distance in brackets is the distance from site that features are included. Where no distance given, features relate to onsite only.

Data Sources:

1 Envirocheck Report (Appendix A & B).

2 BGS Sheet 76 Rochdale 1:50,000

3 <http://mapapps2.bgs.ac.uk/geoindex/home.html>

4 <https://flood-map-for-planning.service.gov.uk/location>

5 The Mining Remediation Authority Web Mapping Services (WMS) / <http://coal.decc.gov.uk/en/coal/cms/publications/data/map/map.aspx>.

6 Zetica UXO Unexploded Bomb Risk Map (Appendix D).

Categories ^(data sources)		Details
Landfill Sites (250m) ¹	Known / Registered	82m NE - Household, Commercial and Industrial transfer stations. Licence issued 2005 (revoked). 186m SE – Deposited waste including inert waste. Operational 1983-1985.
	Potentially Infilled Land (non-water and water), based on Envirocheck Report	10no. features: onsite, 76m N, 80m NE, 105m SW, 118m SW, 122m NE, 136m S, 176m N, 204m S and 223m NE.
	Potentially Infilled Sites, based on LKC historical review	8no. features: See Table 2-1 and Table 2-2.
Radon Potential ¹		<1% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions.
Designated Sites (50m) ¹		None.
Contemporary Trade Directory (50m) ¹		21m SE, Printers. 28m NE, Washing machine servicing and repairs.
Fuel Station Entries (50m) ¹		None.
Unexploded Ordnance Risk (UXO) – Zetica Risk Map	Zetica Risk Map ⁶	Bomb Risk: Low. Strategic Targets: None identified within 100m.

Table 3-2 (continued): Summary of the environmental setting.

Notes: Distance in brackets is the distance from site that features are included. Where no distance given, features relate to onsite only.

Data Sources:

1 Envirocheck Report (Appendix A & B).

2 BGS Sheet 76 Rochdale 1:50,000

3 <http://mapapps2.bgs.ac.uk/geoindex/home.html>

4 <https://flood-map-for-planning.service.gov.uk/location>

5 The Mining Remediation Authority Web Mapping Services (WMS) / <http://coal.decc.gov.uk/en/coal/cms/publications/data/map/map.aspx>.

6 Zetica UXO Unexploded Bomb Risk Map (Appendix D).

4. Site Reconnaissance

A site reconnaissance was carried out on 19th March 2025. Relevant features identified on site are summarised below:

- Site comprised part of a large metal industrial unit in the west, an external yard area in the centre, east and north-west, a car park / storage in the south, and a large soil slope in the north / north-east of site.
- External groundcover comprised tarmacadam in the car park and area adjacent north and east surrounding the building. Soft standing was present in the central area and across the sloped mound in the north / north-east of the site.
- The majority of the site was relatively flat, except for the area adjacent to the north-eastern boundary, which comprised a large steep slope up to the site boundary.
- Shipping containers and IBCs (empty) were present in the east / south of the site, within the yard / car park areas. Labels on the IBCs suggest they used to contain powder coating.
- Storage of chemicals in drums and IBCs adjacent to the structure on hardstood ground. No spills or leaks noted. Chemicals are indicated to be adhesives, one of which is Xylene and ethyl benzene based. Some of the drums appeared to be stored upside down.
- The majority of chemical were stored on hardstood ground.
- Anecdotal evidence of a 'tank' below current building. After clarification this is interpreted to be an interceptor as part of the surface water drainage system and not anticipated to pose a significant risk of contamination.
- No visual or olfactory evidence of significant contamination identified.

The surrounding area comprises an industrial / commercial park, with a road adjacent to the north-eastern boundary.

Site photographs are provided in Table 4-1.

	
Photograph 1: View of area adjacent north-east of building from the north-west, facing south-east.	Photograph 2: View of west of site from the north-west, facing south-west.

Table 4-1: Site photographs.

	
Photograph 3: View of area adjacent north-east of building from the centre, facing north-west. Not the IBCs and drums adjacent to building.	Photograph 4: View of mounded area on north-eastern boundary of site from centre, facing north.
	
Photograph 5: View of yard area in east of site containing IBCs and shipping containers.	Photograph 6: View of yard area and car park / yard in east of site containing IBCs and shipping containers.
	
Photograph 7: View of drum with Xylene and ethyl benzene based adhesive.	Photograph 8: View inside structure of east of gable end.

Table 4-1: Site photographs.

5. Preliminary Conceptual Model

5.1. Introduction

The aim of the conceptual model is to provide a preliminary assessment of the likelihood of a pollutant linkage for each potential combination of contaminant, pathway, and receptor. A conceptual model can be used to make an informed decision on the contamination risks associated with the site and whether further site investigation work is required.

The sections below are therefore divided into potential contaminant, potential pathway and potential receptor as described in LCRM³, on the premise that, if there is no pollutant linkage, then there will be no risk to the receptor. The final section provides an assessment of the potential pollutant linkages that may still be present on the site if redevelopment were to occur.

5.2. Potential Contaminants

Potential viable contamination sources are detailed in Table 5-1. These are split into onsite sources, offsite sources and underlying geology.

Potential Source	Contaminants
On site	
Shallow made ground below some of the site (e.g., site levelling).	Assuming predominantly reworked natural soils with possible demolition rubble, ash and clinker: asbestos, heavy metals, sulphates, PAHs ⁴ . Ash / clinker noted in the site reconnaissance. Not expected to be a significant source of gas given anticipated depth and nature of made ground.
Deep made ground below centre and east of site (infilled reservoir).	Demolition rubble, ash, and clinker: asbestos, heavy metals, sulphates, PAHs ⁵ , naphthalene. Other fill material sources: unknown organic / inorganic compounds. If organic / putrescible material: hazardous gas (principally carbon dioxide and methane).
Demolished buildings	Asbestos containing material (ACM).
Car park (current use of east of site)	No significant contamination source anticipated.
Cotton mill also used for bleaching and dyeing (continues offsite).	Metals, inorganic compounds, chlorinated organic solvents, organic compounds ⁶ , PAHs, petroleum hydrocarbons. Asbestos may have been used within the building as insulation and lagging or as roofing and cladding ⁷ .
Chemicals stored on current site (indicated to be adhesives).	Various chemicals currently stored on site. Xylene and ethyl-benzene based adhesives and powder coatings were identified.
Assumed Interceptor Tank (under current building between two towers).	Not anticipated to be significant source of contamination assumed maintained.
Surrounding Area	
Surrounding land uses (Spring Mill - cotton & bleaching, dyeing, raising and finishing, tank, chimney)	Potential source identified: Metals, inorganic compounds, chlorinated organic solvents, organic compounds ⁸ , petroleum hydrocarbons, PAHs. Not expected to be a significant source due to age of the features (>50 years).
9no. infilled features: to 223m. Known landfills 82m NE., 186m SE.	Given size, distance and age of features, there is not considered to be a source of hazardous gas (principally carbon dioxide and methane).
Offsite mining activity (colliery)	Hazardous gas risk (colliery spoil), given size, distance and age of the feature, there is not considered to be a source of hazardous gas.

Table 5-1: Potential contamination sources.

Potential Source	Contaminants
Surrounding Area	
Underlying Geology	
Pennine Lower Coal Measures	Ground Gas (principally carbon dioxide and methane) ⁹ . Potentially worked deep coal seams could be a source of ground gas.
Underlying Peat (identified in local area from BGS borehole logs)	Ground gas (carbon dioxide and methane). Whilst a potential source, not considered a likely source of ground gas emissions into buildings.
Radon Affected Area	<1% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions. No further consideration required.
Superficial / Bedrock	Glacial Till over Pennine Lower Coal Measures. No significant contamination sources identified.

Table 5-2 (continued): Potential contamination sources.

5.3. Potential Receptors

Potential receptors are detailed in Table 5-2.

Receptors	
Human health	Future site users (visitors, and site workers). Offsite land users. As the proposed development is for commercial / industrial use, the most sensitive receptors (children) have not been included in this assessment.
Controlled waters	Ash Brook 35m east. Secondary A Aquifers.
Buildings.	
Potable water pipes.	

Table 5-3: Potential receptors.

5.4. Potential Pathways

Potential pathways are detailed in Table 5-3.

Pathways		
Soil	Human health ¹⁰ (commercial land use with soft landscaping)	Ingestion of soil & Ingestion of soil-derived indoor dust. Dermal contact with soil & soil-derived indoor dust. Inhalation of soil-derived outdoor & indoor dust. Inhalation of vapours outside. Inhalation of vapours inside.
Soil	Windblown dust and fibres to adjacent receptors.	
Soil	Direct contact with receptors (services).	
Surface water	Surface run-off over impermeable surface.	
Groundwater	Infiltration into the ground, through potentially contaminated material (contamination possibly going into solution).	
Groundwater and gas	Migration through potentially permeable strata and preferential pathways. Superficial (Till) likely to be low permeability. Superficial (sand and gravel) is likely to be relatively permeable. Bedrock (mudstone, siltstone, sandstone) likely to be variably permeable.	
Gas	Migration into buildings (e.g., via services) and accumulation of gases in confined spaces (potentially causing explosion if methane is present).	

Table 5-4: Potential pathways.

5.5. Preliminary Contamination Conceptual Model

The Preliminary Contamination Conceptual Model is illustrated in Table 5-4.

Generic potential pollutant linkages are described along with an assessment of the risk based upon guidance on probabilities and consequences outlined in CIRIA C552¹¹.

In order to assess the potential risk for each pollutant linkage, an assessment of the magnitude of the potential consequence (severity) of the risk occurring and the magnitude of the probability (likelihood) of the risk occurring has been considered and classified. This is based on the guidance provided in CIRIA C552 and further details including a risk matrix is provided in Appendix E.

The probability is based on the site history, site reconnaissance, environmental setting, pathways, and receptors.

Reasonable worst-case consequence has been assumed at this stage.

Where LKC identified a low to very low risk, targeted or low-density intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what further work will be required.

Where LKC identifies a moderate or higher risk, intrusive investigation work or precautionary remediation is recommended.

Recommendations are discussed further in Section 7.

Due to the minor consequence associated with the phytotoxic effect to flora (i.e., loss of plants in a landscaping scheme), the overall risk for the majority of sites will be very low to low. Where soils contain significant concentrations of heavy metals, in general there will other pollutant linkages (i.e., the risk to human health) that will trigger the requirement for remediation (e.g., a clean environmental cover system). As such the risk to flora associated with phytotoxic contaminants will not be considered further.

The risk to buildings associated with elevated sulphate will be considered as part of the geotechnical assessment and will not be included in the contamination risk assessment.

It should be noted that there may be risk from short term exposure from contaminated soil to site workers. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors. Acute risks can be easily mitigated by good environmental management of the site during site works. Standard health and safety precautions (as per HSE guidance¹²) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

PL	Contaminants of Concern (source)	Pathway	Receptor	Probability	Consequence	Risk	Assessment and Recommendations
1	Asbestos, PAHs, heavy metals, petroleum hydrocarbons, ethyl-benzene, xylene (made ground, infilled reservoir, demolished building, cotton and dyeworks mill, current chemical storage).	Dermal contact. Inhalation of soil, fibres, and dust. Ingestion of soils, dust. Windblown dust.	Future site users. Offsite receptors.	Likely	Medium	Moderate	Likely probability given sites history. There is a potential source, pathway (through soft landscaping) and receptor. Recommendation: Intrusive investigation required to include soil sampling.
2	PAHs, Naphthalene (made ground, infilled reservoir, cotton and dyeworks).	Inhalation of vapours. Migration via permeable strata and preferential pathways.	Future site users. Offsite receptors.	Unlikely	Medium	Low	Coal/ash derived naphthalene unlikely to generate significant vapours. Potential source associated with former mill and chemical storage Recommendation: Intrusive investigation required with soil sampling if evidence of volatile contaminants are present.
	Ethyl-benzene, xylene (current chemical storage)			Low Likelihood		Moderate/ Low	
3	Hazardous / ground gas: methane, carbon dioxide (deep made ground, peat, infilled reservoir onsite).	Migration via permeable strata and preferential pathways. Inhalation of gas.	Future site users. Buildings. Offsite receptors.	Low	Severe	Moderate	Infilled reservoir and possible deep made ground on site. Recommendations: Gas monitoring required.
	Radon	Explosion in confined spaces.		Unlikely	Medium	Low	Radon is <1% of homes above action level. Recommendations: No radon protection required.
4	Heavy metals, PAHs, petroleum hydrocarbons, , xylene, ethyl-benzene (made ground, infilled reservoir, cotton and dyeworks mill, current chemical storage).	Surface run-off. Migration via permeable strata and preferential pathways. Perched waters migration.	Groundwater Surface water	Low likelihood	Medium	Moderate / Low	Low likelihood given limited sources of mobile contamination and site surfaced in hardstanding. Any oil spills (if present) likely to be localised and not generate a significant risk to low sensitivity receptors. Recommendations: No water sampling or leaching tests required unless evidence of significant mobile contamination is noted in the soils on site.
5	PAHs, petroleum hydrocarbons, naphthalene, ethyl-benzene, xylene (made ground, infilled reservoir, cotton and dyeworks mill, current chemical storage).	Permeation of pipes. Ingestion of tainted water supply.	Future site users. Water pipes.	Likely	Medium	Moderate	Likely given site history and possible deep made ground. Recommendations: Sampling and analysis of soils at anticipated pipeline depths (c. 0.75-1.35mbgl). Water pipe assessment required.

Table 5-5: Preliminary Contamination Conceptual Model.

Notes: PL = Pollutant Linkage. Contaminant of Concern (CoC) - See Table 5-1 for contamination sources. See Section 7 for recommendations.

6. Preliminary Geotechnical Risk Assessment

Table 6-1 summarises the possible geotechnical constraints of the site, based on the site history, environmental settings and site reconnaissance. Investigation work will be required to confirm the risks and provide a detailed geotechnical assessment and foundation design.

Coal Mining	Site is not within a Development High Risk Area. No further assessment required.
Slope Stability	Steep slope at north-east boundary of site. If material being removed from toe of slope assessment may be required.
Envirocheck Ground Stability Hazards	Moderate Risk identified for Compressible Ground. Likely associated with the infilled reservoir onsite.
Made Ground	Unknown depth (borehole onsite recorded made ground to 1.52mgb) and constituent of made ground across the site. Initial information indicates relatively shallow made ground but could be deep where former reservoir is located. Possible in-ground structures from previous developments. Unlikely to be a suitable founding stratum unless engineering work is undertaken.
Superficial	Unknown strength of soils for foundation design. Clay / sand anticipated below the site. Strata may be variable giving differential settlement.
Bedrock	Borehole on site recorded bedrock as shale from 18.44mgb.
Groundwater	Unknown depth and variability of groundwater. Shallow / fluctuating groundwater can affect the strength of the soil, particularly in granular ground. Shallow groundwater can also affect construction works.
Plasticity	Plasticity of clay deposits should be confirmed, particularly where trees are present or proposed, to identify the shrink / swell risk. Clay recorded on site.
Sulphate	Unknown sulphate content of the made ground and natural.
Road / Pavement Design	Unknown CBR values for footpath and road design.

Table 6-1: Summary of geotechnical constraints.

7. Summary Conclusions and Recommendations

7.1. Summary Conclusions

Table 7-1 summarises the site details, historical review, environmental settings and site reconnaissance.

Current Site Use & Pertinent Features	Industrial unit with associated office space, car parking and storage space.
Proposed Development	Extension to the north-eastern side of the current development.
Main Historical Features	Onsite: Spring Mill, reservoir, house, tank, industrial building. Surrounding Area: Cotton mill, colliery, filter tanks, tanks, chimney, reservoirs, old clay pit.
Geology / Hydrogeology	Artificial: No BGS recorded artificial. Superficial: Till (diamicton), alluvium deposits in south-west corner (sand and gravel). Secondary A Aquifer. Bedrock: Pennine Lower Coal Measures (sandstone, siltstone, mudstone and coal) Secondary A Aquifer.
Site Reconnaissance	Site comprised part of a large metal industrial unit in the west, an external yard area in the centre, east and north-west, a car park / storage in the south, and a large soil slope in the north / north-east of site. Shipping containers and IBCs (empty) were present in the east / south of the site. Storage of chemicals in drums and IBCs adjacent to the structure on hardstood ground. No spills or leaks noted. Anecdotal evidence of a 'tank' below current building. After clarification this is interpreted to be an interceptor as part of the surface water drainage system and not anticipated to pose a significant risk of contamination. No visual or olfactory evidence of significant contamination identified.
Landfills / Infilled ground	10no. features: onsite, 76m N, 80m NE, 105m SW, 118m SW, 122m NE, 136m S, 176m N, 204m S and 223m NE.

Table 7-1: Summary of site details, historical review, environmental settings and site reconnaissance.

A preliminary contamination conceptual model has been produced by LKC, which is summarised in Table 7-2.

Pollutant Linkage	Contaminants	Risk
PL1: Contaminants posing a risk to receptors via dermal contact, ingestion and inhalation (of soil, dust, fibres).	Asbestos, PAHs, heavy metals, VOCs, SVOCs, solvents, ethyl-benzene, xylene.	Moderate
PL2: Volatile contaminants posing a risk to receptors via the inhalation of vapours.	PAHs, Naphthalene.	Low
	Ethylbenzene, xylene	Moderate / Low
PL3: Gas posing a risk to buildings and receptors via the migration of gas into building causing explosion and asphyxiation.	Hazardous Gas / Ground gas.	Moderate
	Radon.	Low
PL4: Mobile contamination posing a risk to controlled waters via the migration through permeable strata.	Heavy metals, PAHs, petroleum hydrocarbons, VOCs, SVOCs, chlorinated solvents, xylene, ethyl-benzene.	Moderate / Low
PL5: Organic contaminants posing a risk to receptors.	PAHs, petroleum hydrocarbons, naphthalene, VOCs, SVOCs, ethyl-benzene, xylene.	Moderate

Table 7-2: Summary risk table.

A preliminary geotechnical assessment has been carried out by LKC. Table 7-3 summarises the geotechnical constraints.

Slope Stability	Steep slope at north-east boundary of site. If material being removed from toe of slope assessment may be required.
Made Ground	Unknown depth and constituent of made ground across the site. Borehole onsite recorded made ground to 1.52mbgl.
Superficial	Unknown strength of soils for foundation design.
Bedrock	Bedrock recorded at 18.44mbgl on site.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed.
Sulphate	Unknown sulphate content of the made ground and natural.
Road / Pavement Design	Unknown CBR values for footpath and road design should be calculated.

Table 7-3: Summary of geotechnical constraints.

Based upon the available information, LKC conclude there is a viable contamination and geotechnical risk and therefore further assessment is recommended.

7.2. Recommendations

Recommendations are provided in Table 7-4.

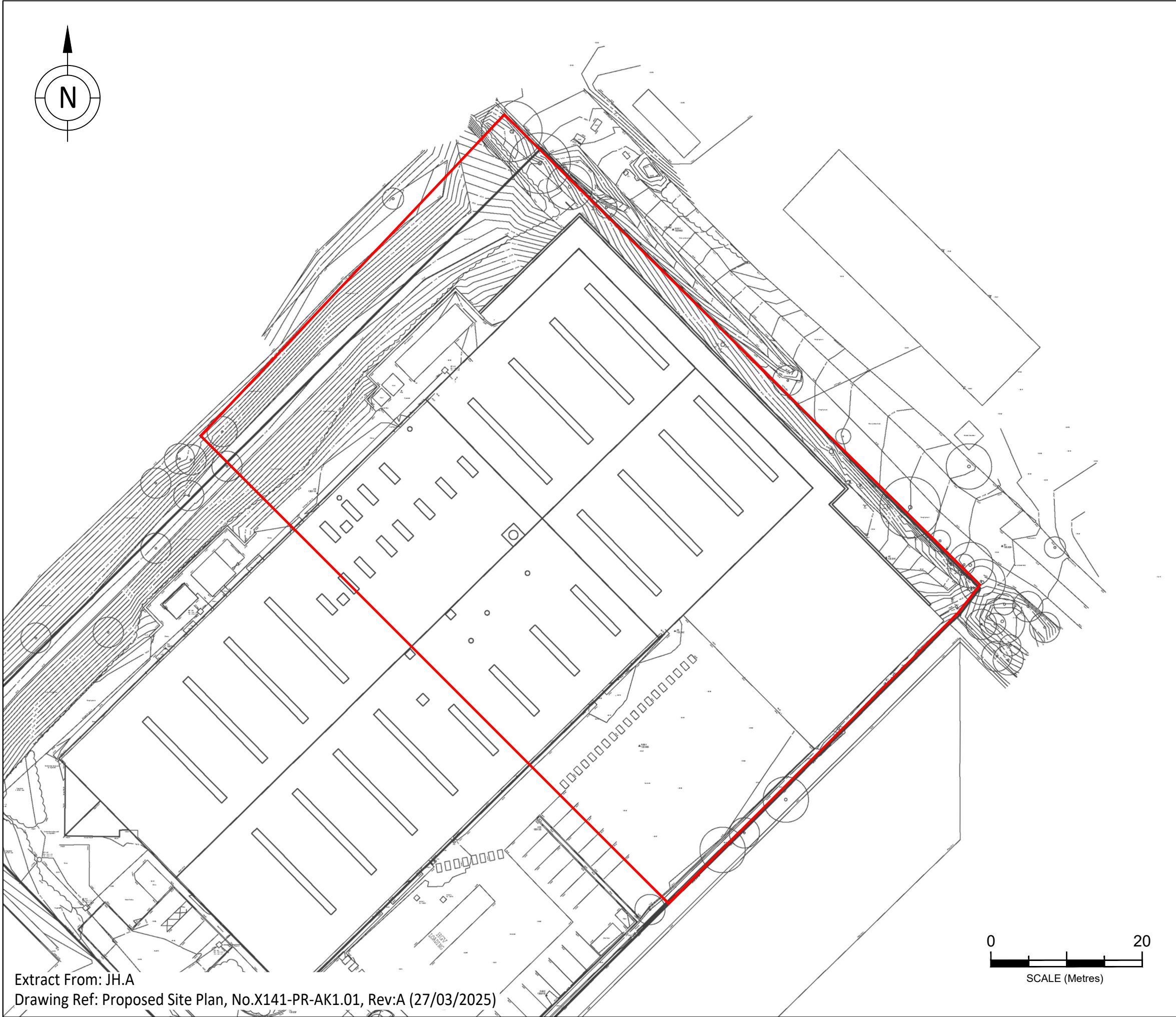
Contamination Status	There is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA.
Further Assessment Recommendations	Phase 2 intrusive investigation required. Phase 2 investigation to be carried out in line with current guidance, including BS10175 ¹³ , BS5930 ¹⁴ CIRIA C665 ¹⁵ , RB17 ¹⁶ and BS8485 ¹⁷ . 'Detailed investigation': 1 sample per 10-25m square centres. To be agreed with the local authority.
Local Authority Approval	Conditional planning approval is likely to require an agreed detailed scope of work.
Type of Investigation Work	Boreholes. The extent of the peat deposits recorded on site should be determined. Investigation of soils around the interceptor tank to assess condition.
PL 1, 2, 5	Intrusive investigation work recommended to confirm ground conditions across the site. Testing of contaminants of concern based on preliminary conceptual model and field observations (PID tests and visual / olfactory evidence).
PL 3	Gas monitoring required. Gas monitoring: monitoring wells to be installed in boreholes, monitoring frequency and period subject to anticipated risk.
PL 4	Groundwater sampling, subject to ground conditions encountered. Groundwater samples to be collected from monitoring wells and tested for contaminants of concern based on preliminary conceptual model and ground conditions encountered.
Reporting	Information from the above can be used to carry out a contamination and geotechnical assessment and provide a remediation strategy for the site.

Table 7-4: Recommendations.

Figures



Client: Fothergill Coated Fabrics Ltd				Title: Site Location & Boundary Plan		 LK CONSULT	
Site: Riverside Drive, Rochdale				Scale (see scale bar): 1:25,000 & 1:1250 @ A4			
Job No.: LKC 251054		Drawn By: MB	Checked By: PD	Drawn: April 2025	Figure: 1		



Extract From: JH.A
Drawing Ref: Proposed Site Plan, No.X141-PR-AK1.01, Rev:A (27/03/2025)

KEY

 Site Boundary

Sampling Locations and features annotated by LK Consult Ltd are approximate and are based upon observed measurements unless otherwise stated. Do not scale from this drawing and work from marked dimensions only. All dimensions and features should be confirmed on site by the Contractor. Where this drawing includes information provided to LK Consult Ltd by others, LK Consult Ltd gives no warranty, representation or assurance as to the accuracy of such information.



LK CONSULT

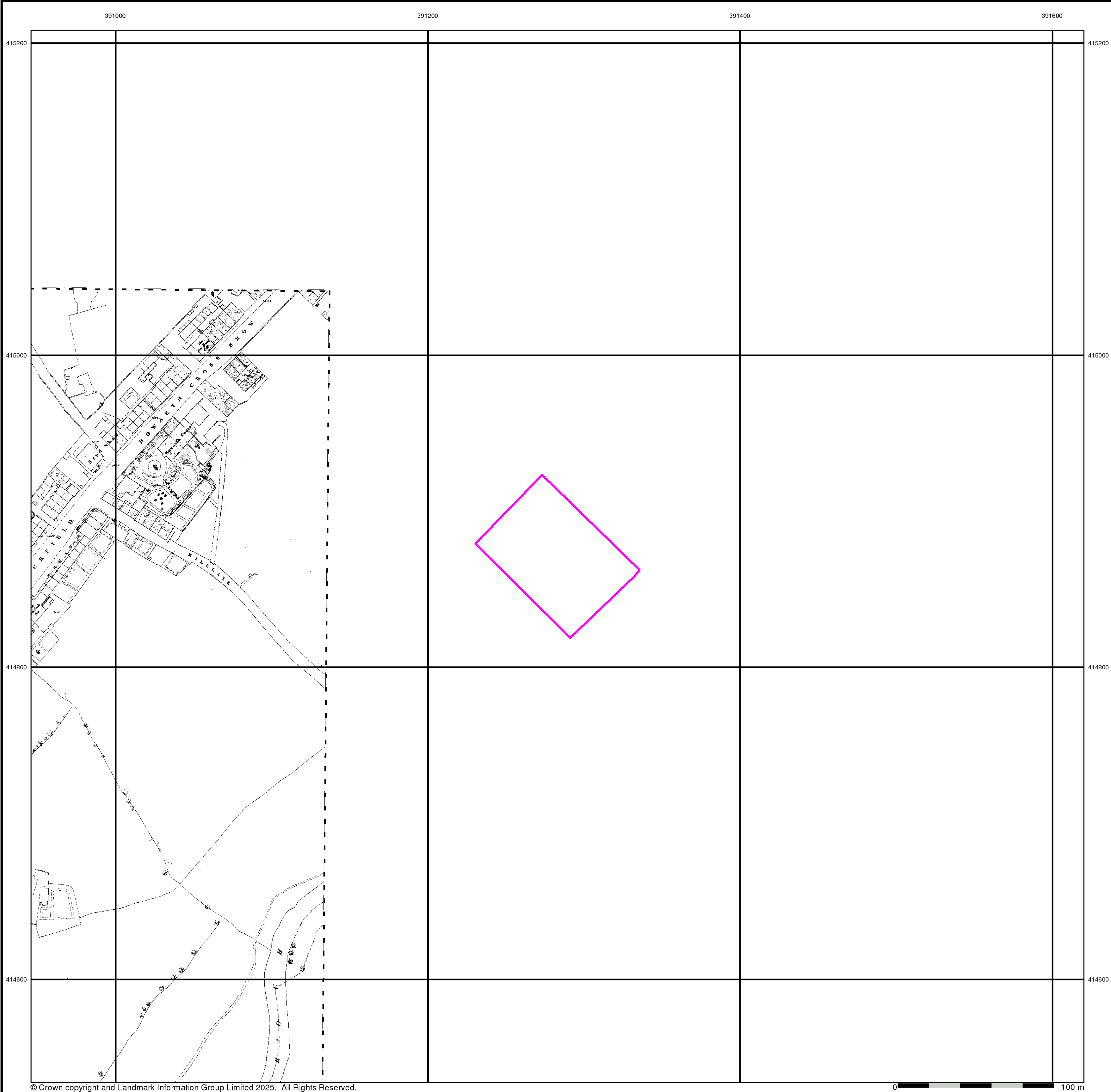
Client:
Fothergill Coated Fabrics

Site:
Riverdale Drive, Rochdale

Title:
Proposed Development Plan

Job No.:	LKC251054	Scale (See Scale Bar):	1:500 @ A3	Figure:	Revision:
Drawn By:	AC	Checked By:	MB	Drawn:	Apr 2025
				2	

Appendix A – Historical Maps



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0 100 m



LK CONSULT

Lancashire And Furness

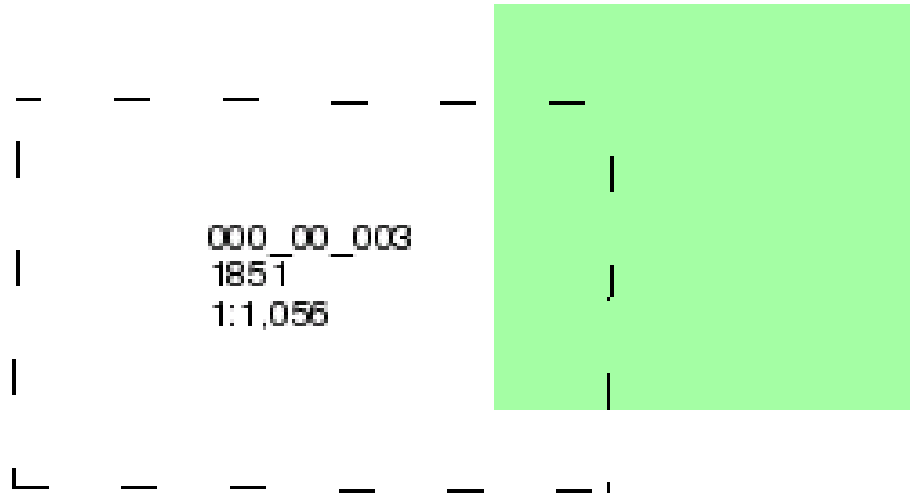
Published 1851

Source map scale - 1:1,056

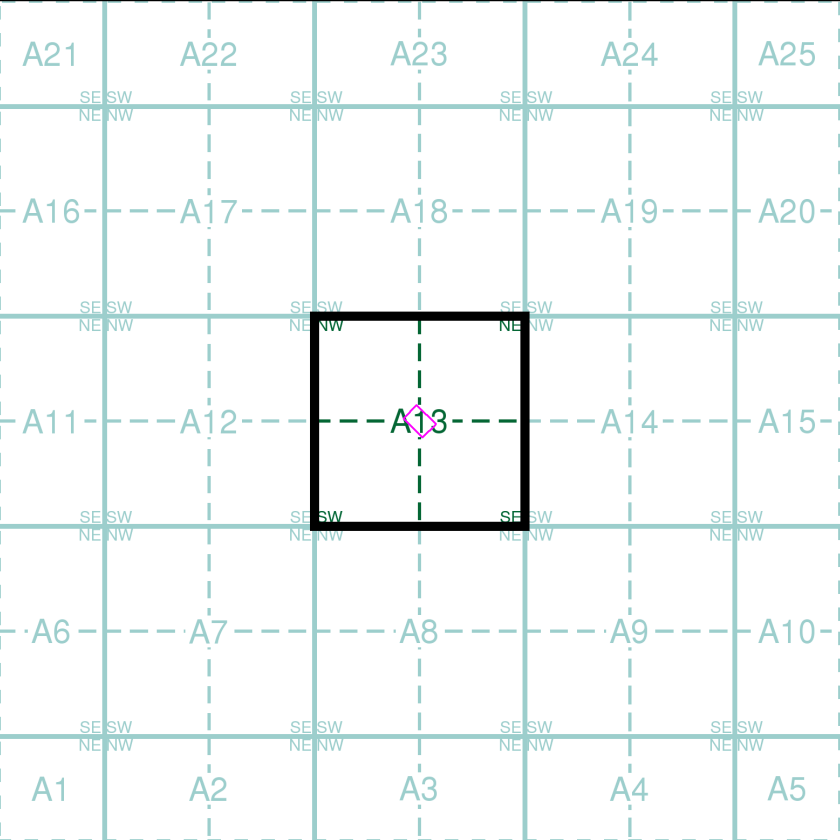
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the Ordnance Survey and a 'skeleton' survey of the capital, showing little more than streets, street names, frontages and altitudes, was undertaken between 1848 and 1850. The majority of the 1:1056 surveys were later replaced by 1:500 surveys; although almost all the remainder were revised at this scale, sometimes more than once before 1895. The type of detail shown on the 1:1056 scale is broadly similar to that on 1:500; the apparent omission of minor details such as sewer access points and street lights may be as much a reflection of the generally earlier date of these plans, as of the specification of the map.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

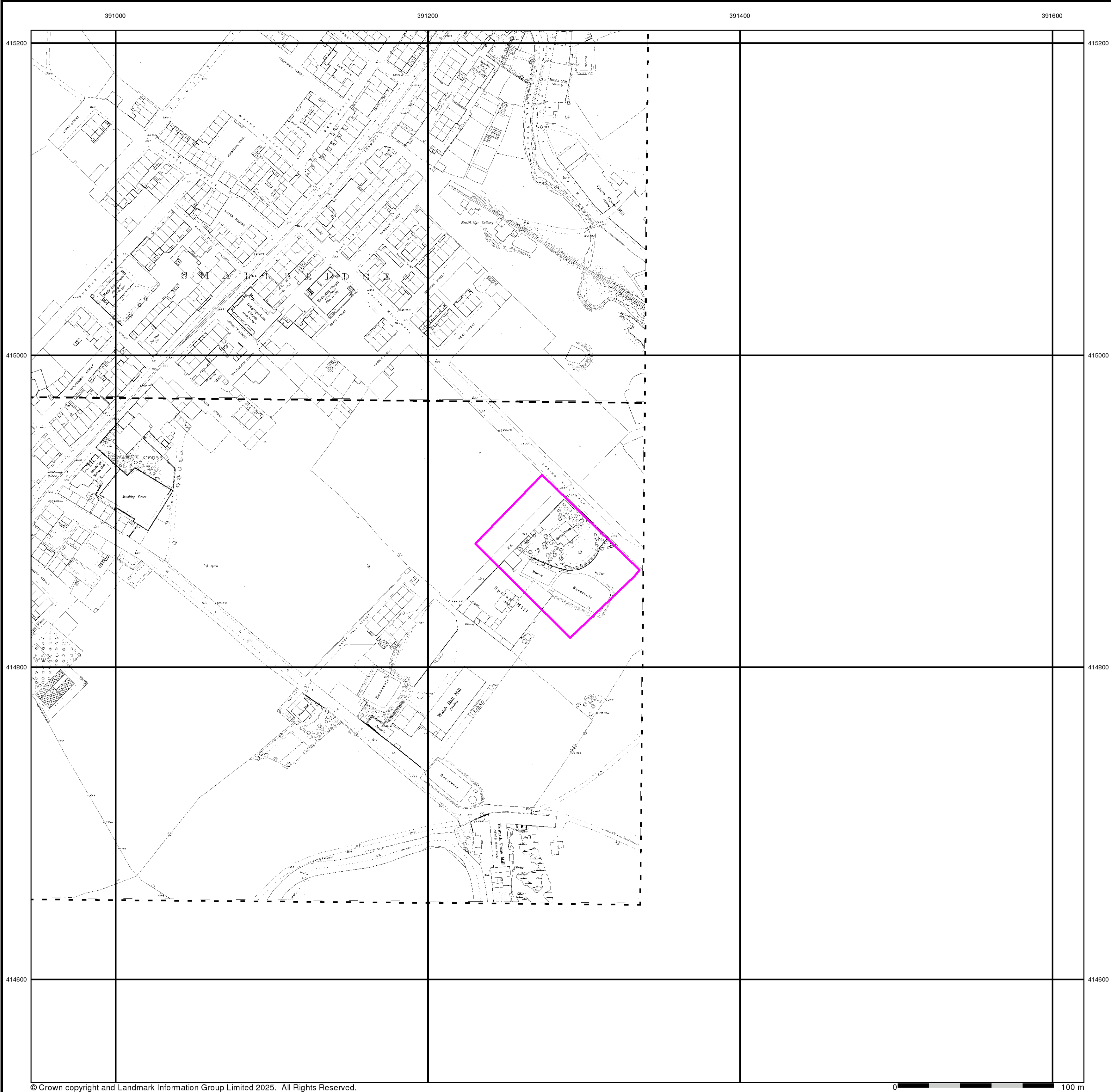
Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 0

Site Details

Riverside Drive

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Lancashire And Furness

Published 1892

Source map scale - 1:500

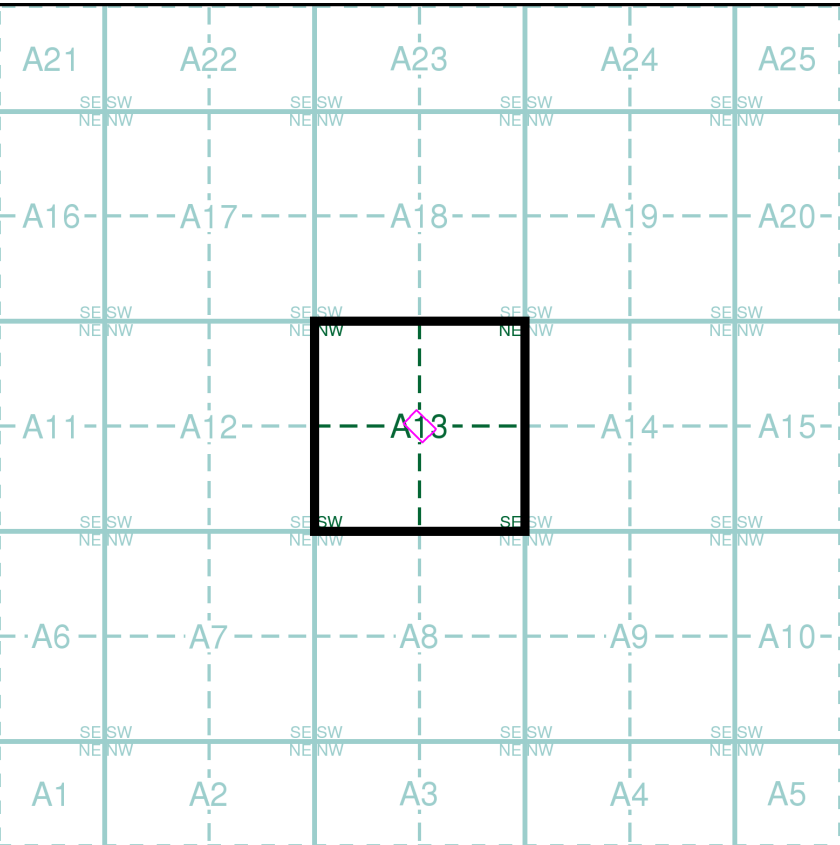
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)

081_13_014	1892	1:500
081_13_019	1892	1:500

Historical Town Plan - Segment A13



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
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Historical Mapping Legends

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

	Quarry		Gravel Pit		Sand Pit
	Clay Pit		Shingle		Refuse Heap
	Sloping Masonry		Flat Rock		
	Marsh		Reeds		Osiers
	Rough Pasture		Furze		Wood
	Mixed Wood		Brushwood		Orchard
	Fir		Ford		Stepping Stones
	Ferry		Waterfall		Lock
	Trig. Station		Altitude at Trig. Station		
	B.M. 325.9		Bench Mark		Surface Level
	Arrow denotes flow of water		Antiquities (site of)		
	Cutting		Embankment		
	Railway crossing Road		Level Crossing		Road crossing Railway
	Railway crossing River or Canal		Road over single stream		Road over River or Canal
	County Boundary (Geographical)		County & Civil Parish Boundary		Administrative County & Civil Parish Boundary
	County Borough Boundary (England)		County Burgh Boundary (Scotland)		
	B.P. B.S. Boundary Post or Stone		P.C.B. Police Call Box		
	B.R. Bridle Road		P. Pump		
	E.P. Electricity Pylon		S.P. Signal Post		
	F.B. Foot Bridge		S.L. Sluice		
	F.P. Foot Path		Sp. Spring		
	G.P. Guide Post or Board		T.C.B. Telephone Call Box		
	M.S. Mile Stone		Tr. Trough		
	M.P. M.R. Mooring Post or Ring		W. Well		

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

	Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit
	Rock		Boulders
	Cliff		Slopes
	Roofed Building		Glazed Roof Building
	Sloping Masonry		Archway
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Bench Mark
	Cave Entrance		Triangulation Station
	Electricity Transmission Line		Electricity Pylon
	County Boundary (Geographical)		County & Civil Parish Boundary
	County Boundary		Boundary post/stone
	County Boundary		Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
	BH Beer House		P Pillar, Pole or Post
	BP, BS Boundary Post or Stone		PO Post Office
	Cn, C Capstan, Crane		PC Public Convenience
	Chy Chimney		PH Public House
	D Fn Drinking Fountain		Pp Pump
	EI P Electricity Pillar or Post		SB, S Br Signal Box or Bridge
	FAP Fire Alarm Pillar		SP, SL Signal Post or Light
	FB Foot Bridge		Spr Spring
	GP Guide Post		Tk Tank or Track
	H Hydrant or Hydraulic		TCB Telephone Call Box
	LC Level Crossing		TCP Telephone Call Post
	MH Manhole		Tr Trough
	MP Mile Post or Mooring Post		Wr Pt, Wr T Water Point, Water Tap
	MS Mile Stone		W Well
	NTL Normal Tidal Limit		Wd Pp Wind Pump

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

	Cliff		Slopes
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Positioned Boulder		Scree
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Triangulation Station
	Electricity Transmission Line		Electricity Pylon
	Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
	Civil parish/community boundary		
	District boundary		
	County boundary		
	Boundary post/stone		
	Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)		
	Bks Barracks		P Pillar, Pole or Post
	Bty Battery		PO Post Office
	Cem Cemetery		PC Public Convenience
	Chy Chimney		Pp Pump
	Cis Cistern		Ppg Sta Pumping Station
	Disntd Rly Dismantled Railway		PW Place of Worship
	El Gen Sta Electricity Generating Station		Sewage Ppg Sta Sewage Pumping Station
	EI P Electricity Pole, Pillar		SB, S Br Signal Box or Bridge
	El Sub Sta Electricity Sub Station		SP, SL Signal Post or Light
	FB Filter Bed		Spr Spring
	Fn / D Fn Fountain / Drinking Ftn.		Tk Tank or Track
	Gas Gov Gas Valve Compound		Tr Trough
	GVC Gas Governor		Wd Pp Wind Pump
	GP Guide Post		Wr Pt, Wr T Water Point, Water Tap
	MH Manhole		Wks Works (building or area)
	MP, MS Mile Post or Mile Stone		W Well

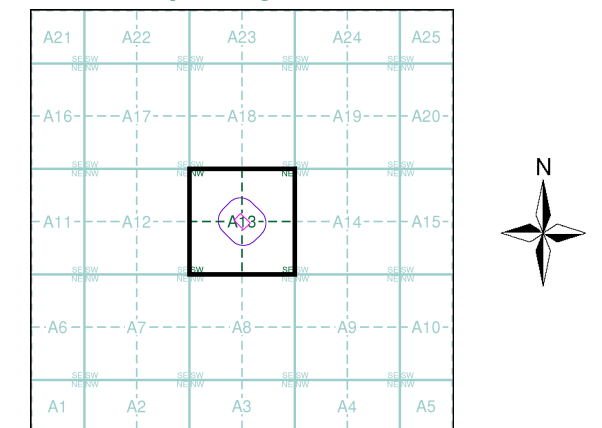


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Lancashire And Furness	1:2,500	1939	5
Ordnance Survey Plan	1:1,250	1958 - 1960	6
Ordnance Survey Plan	1:2,500	1959 - 1961	7
Ordnance Survey Plan	1:1,250	1970 - 1976	8
Supply of Unpublished Survey Information	1:1,250	1974 - 1976	9
Supply of Unpublished Survey Information	1:1,250	1975	10
Additional SIMs	1:1,250	1981 - 1985	11
Ordnance Survey Plan	1:1,250	1989	12
Large-Scale National Grid Data	1:1,250	1992	13
Large-Scale National Grid Data	1:1,250	1993 - 1995	14
Large-Scale National Grid Data	1:1,250	1994	15
Large-Scale National Grid Data	1:1,250	1996	16
Large-Scale National Grid Data	1:1,250	1996	17
Historical Aerial Photography	1:2,500	2000	18

Historical Map - Segment A13



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 100

Site Details

Riverside Drive

Landmark
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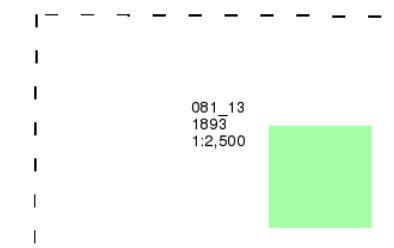
Lancashire And Furness

Published 1893

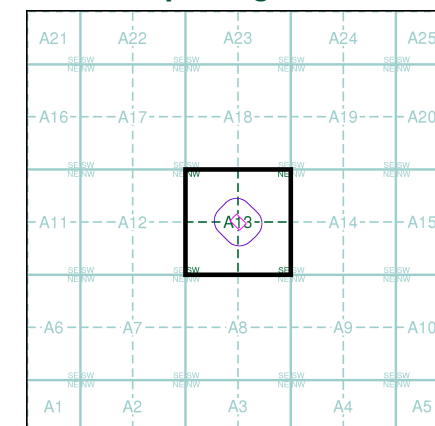
Source map scale - 1:2,500

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



Order Details

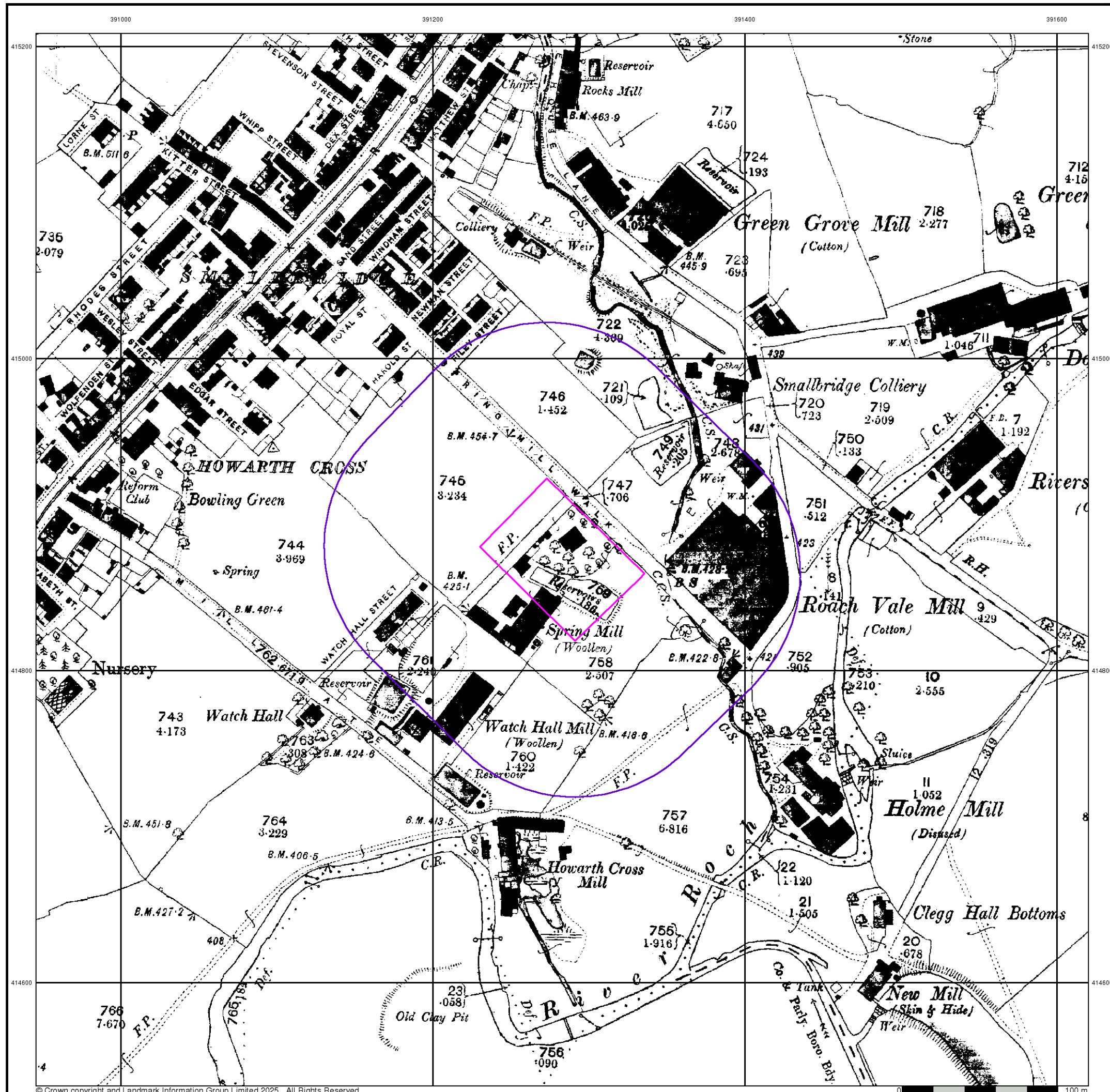
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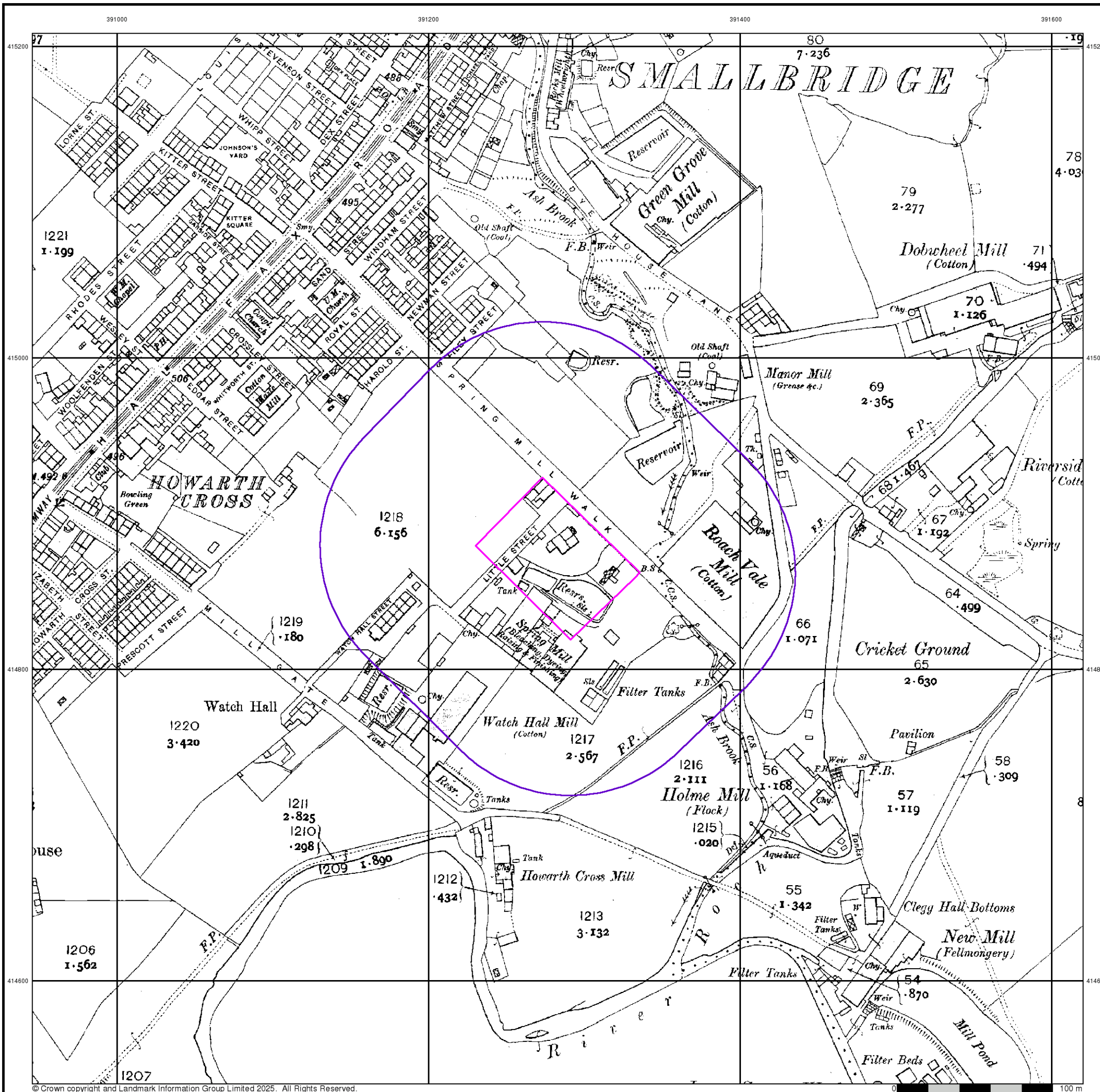
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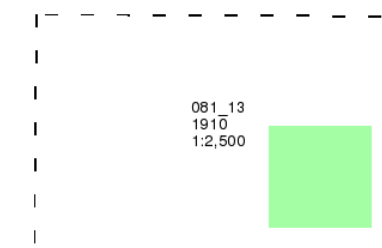
Lancashire And Furness

Published 1910

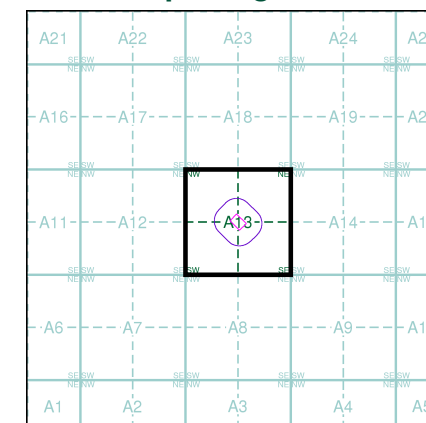
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Customer Ref: LKC251054
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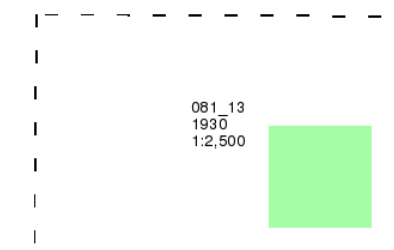
Lancashire And Furness

Published 1930

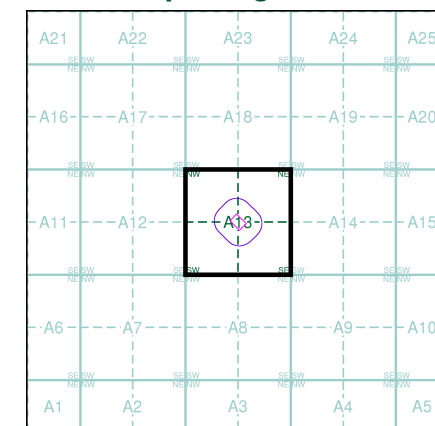
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

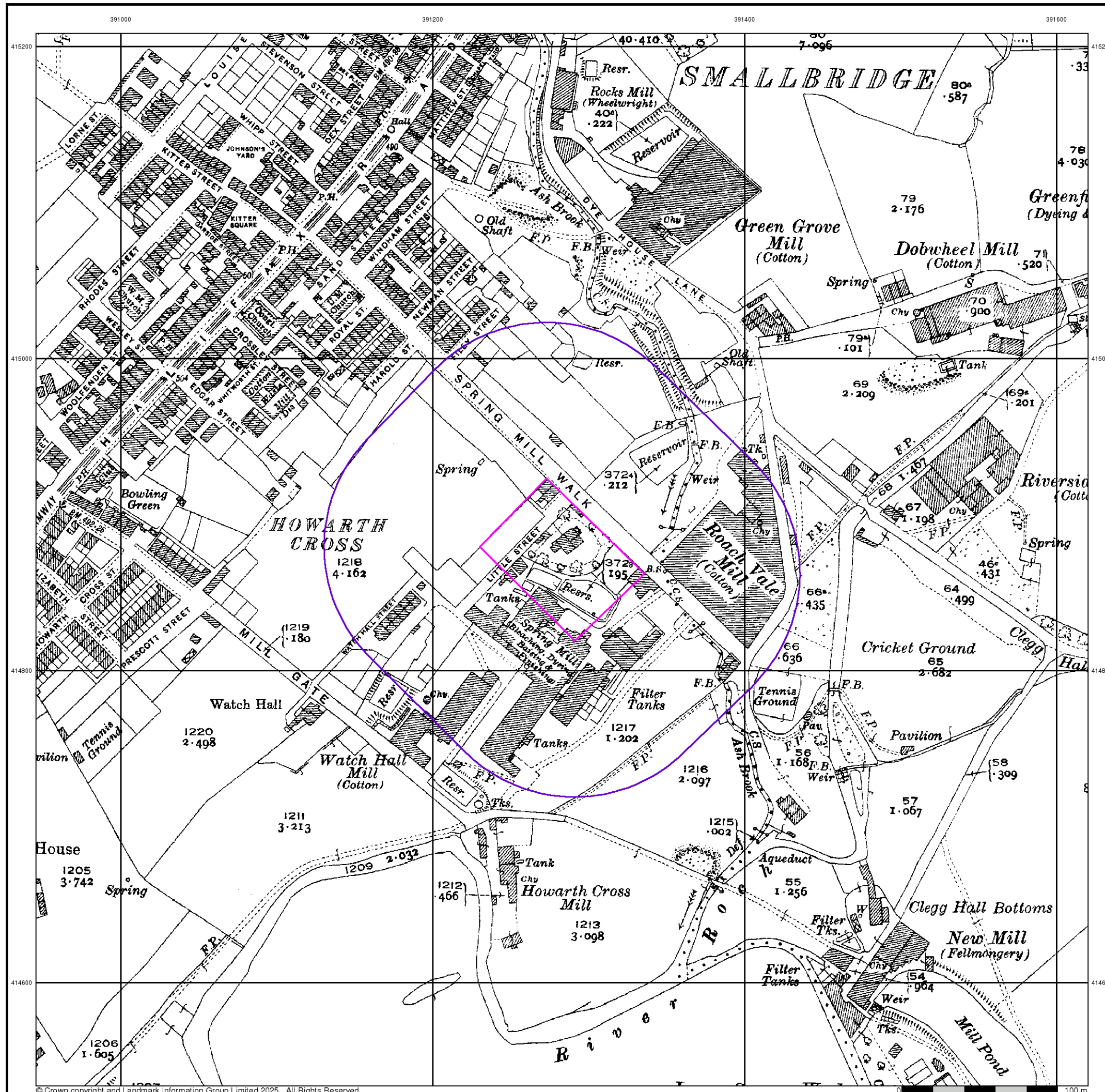
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Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
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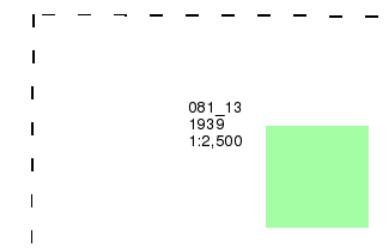
Lancashire And Furness

Published 1939

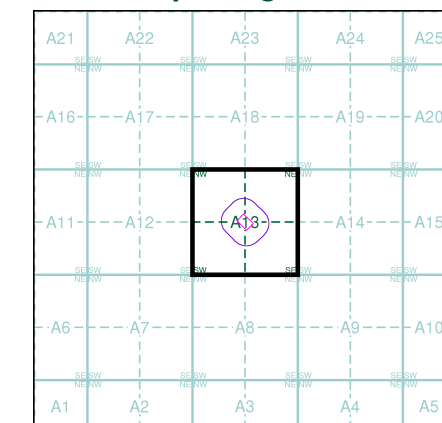
Source map scale - 1:2,500

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

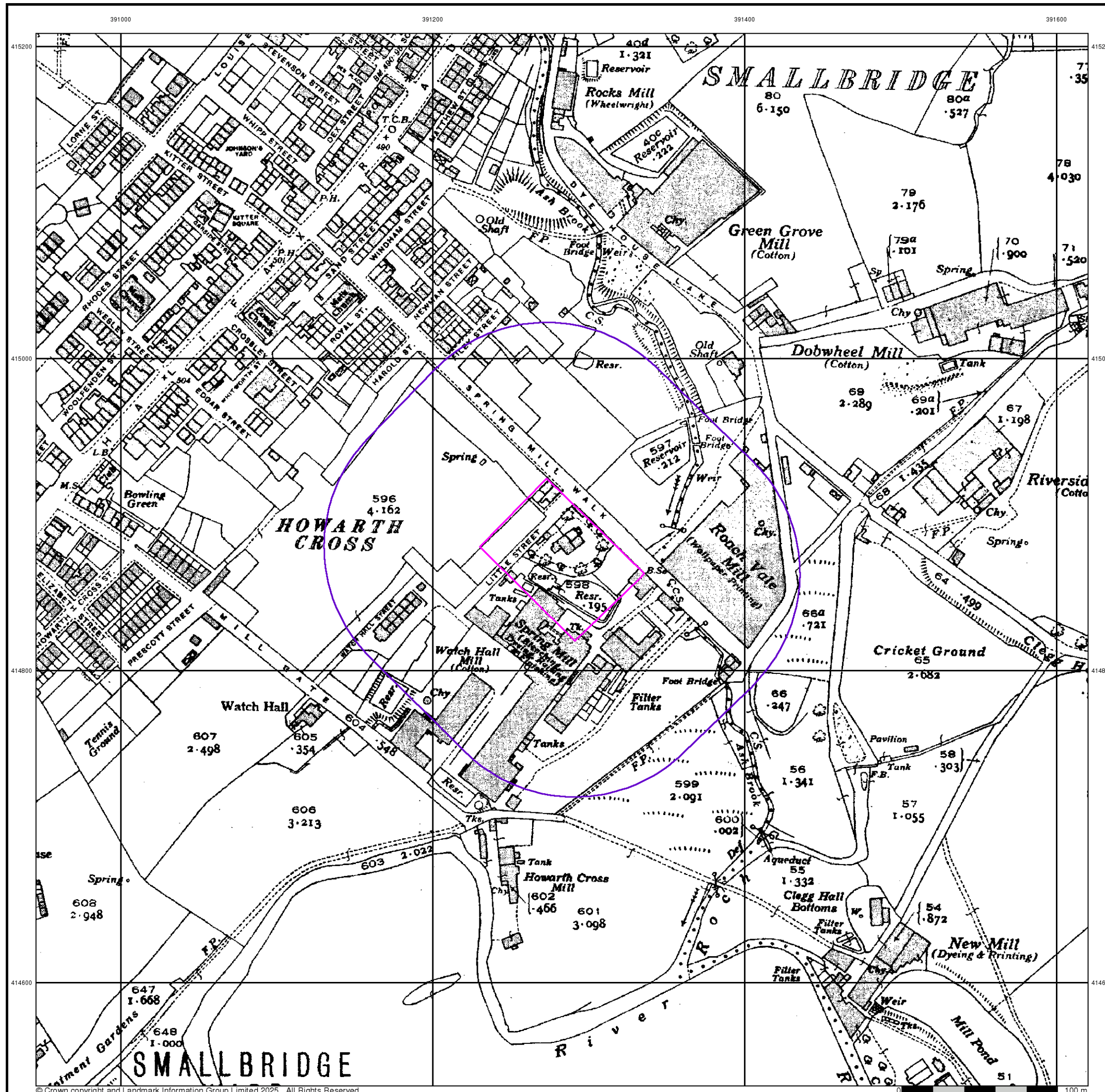
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Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1958 - 1960

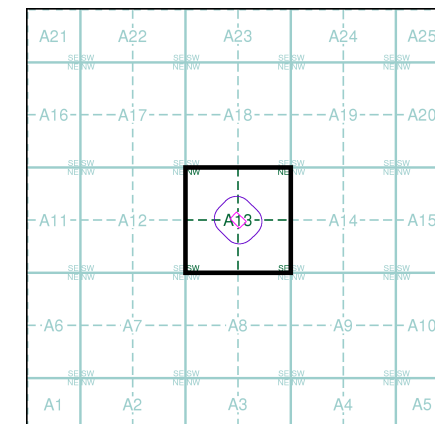
Source map scale - 1:1,250

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)

SD9115SW	SD9115SE
1960	1960
1:1,250	1:1,250
SD9014NE	SD9114NW
1959	1958
1:1,250	1:1,250
	SD9114NE
	1958
	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
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Site Details

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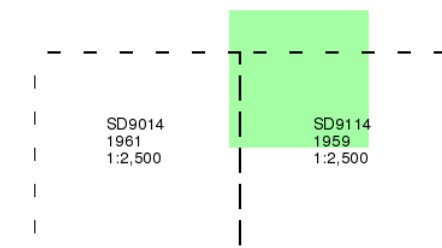
Ordnance Survey Plan

Published 1959 - 1961

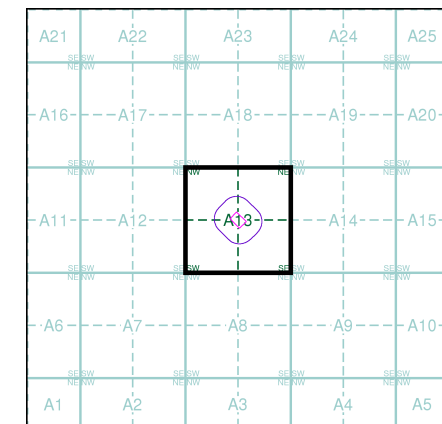
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

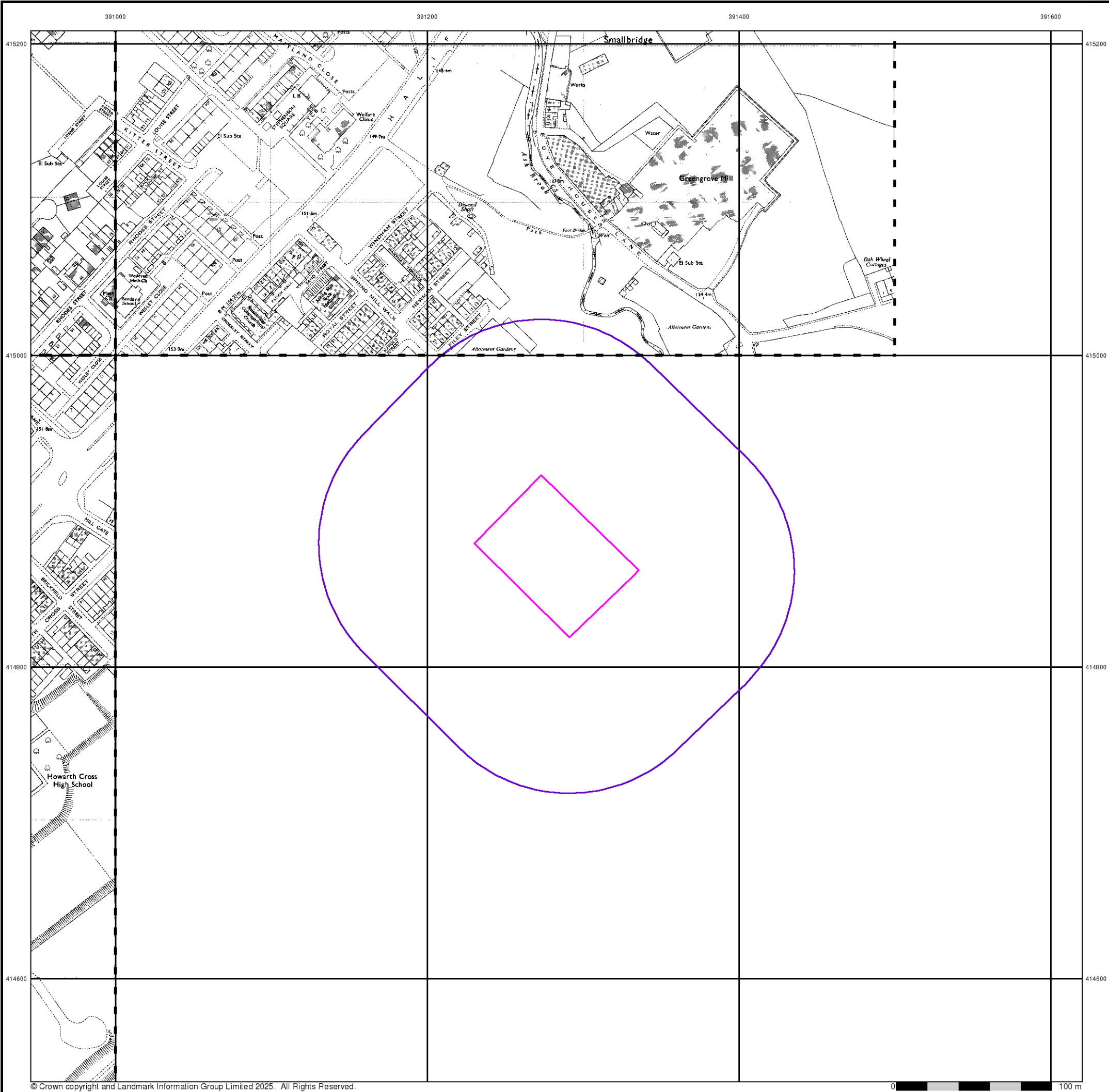
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Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1970 - 1976

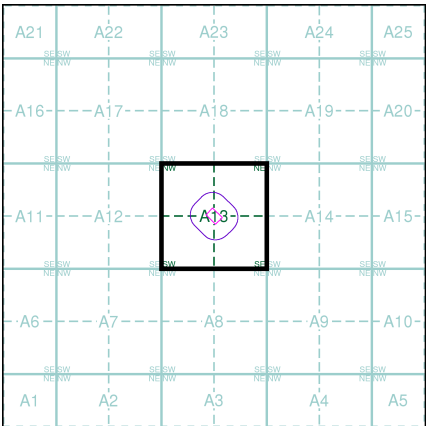
Source map scale - 1:1,250

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)

SD9015SE 1970 1:1,250	SD9115SW 1970 1:1,250
SD9014NE 1976 1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
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Site Details

Riverside Drive

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Supply of Unpublished Survey Information

Published 1974 - 1976

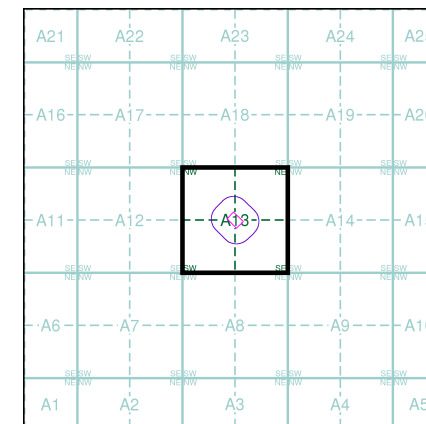
Source map scale - 1:1,250

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)

SD9015SE	SD9115SW	SD9115SE
1976	1976	1976
1:1,250	1:1,250	1:1,250
SD9014NE	SD9114NW	
1974	1975	
1:1,250	1:1,250	

Historical Map - Segment A13



Order Details

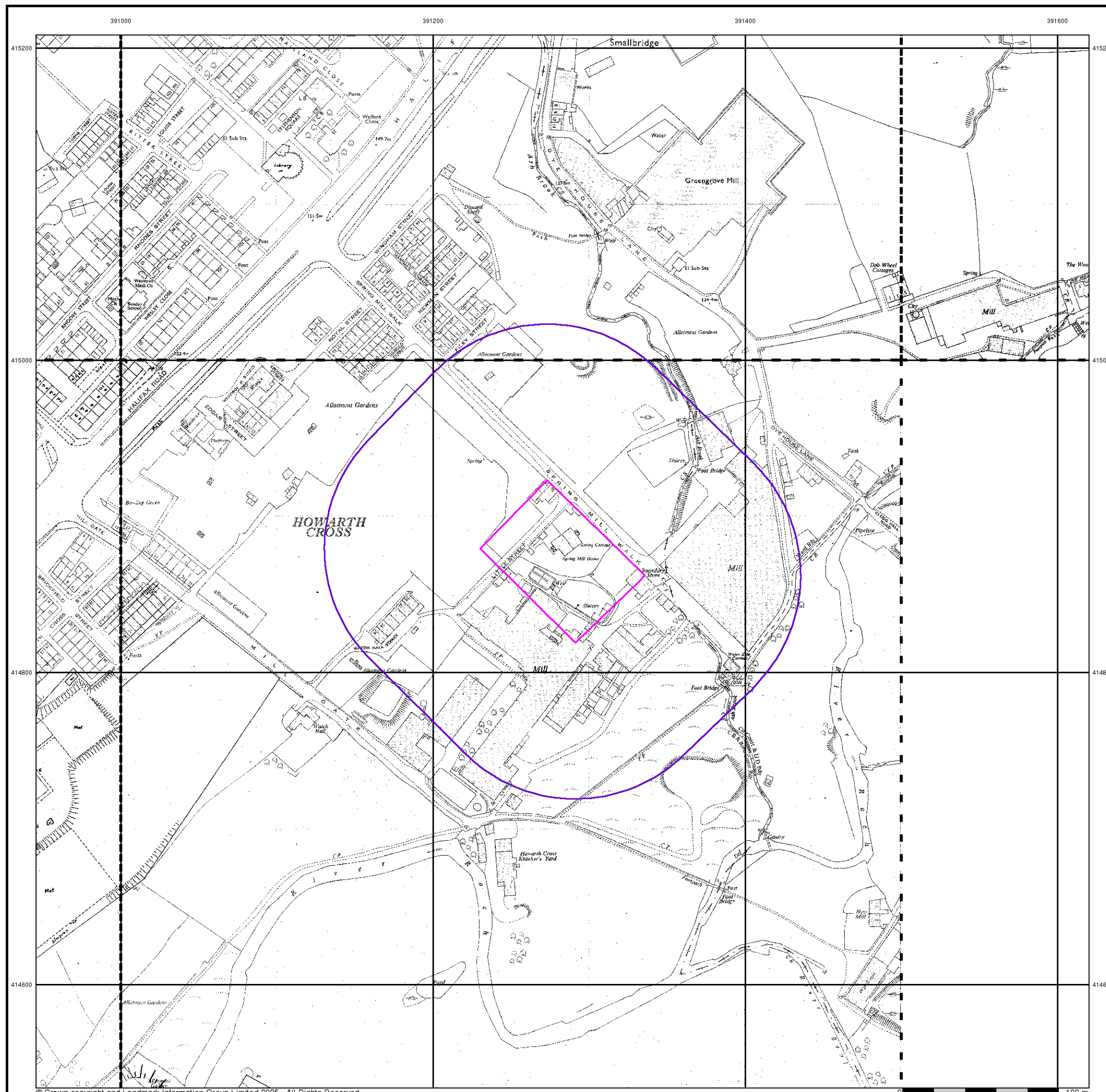
Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 100

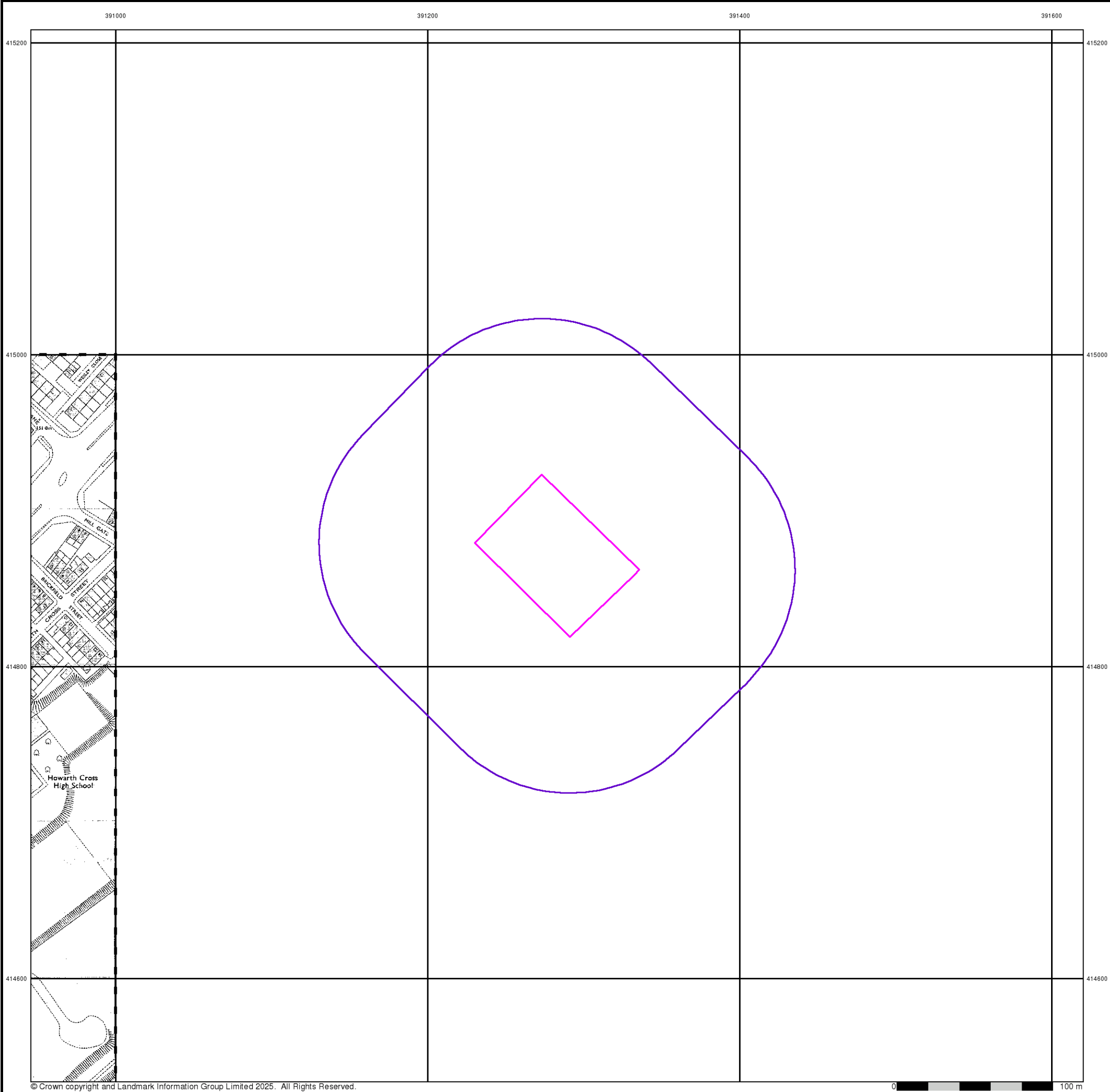
Site Details

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LK CONSULT

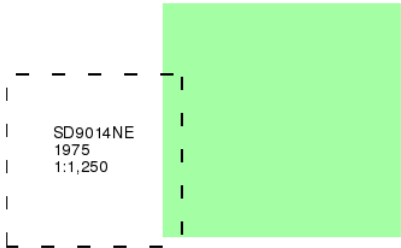
Supply of Unpublished Survey Information

Published 1975

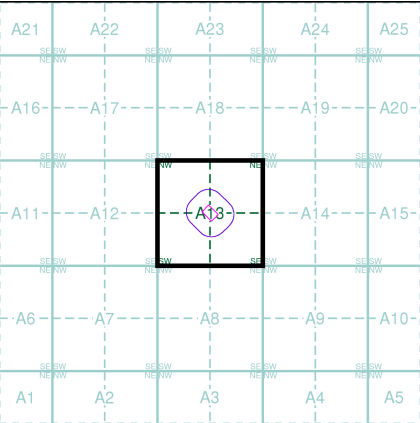
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 100

Site Details

Riverside Drive



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Additional SIMs

Published 1981 - 1985

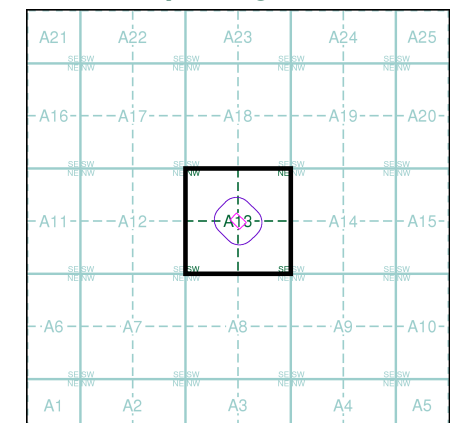
Source map scale - 1:1,250

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)

SD9015SE 1982 1:1,250	SD9115SW 1982 1:1,250	SD9115SE 1985 1:1,250
SD9014NE 1981 1:1,250	SD9114NW 1982 1:1,250	

Historical Map - Segment A13



Order Details

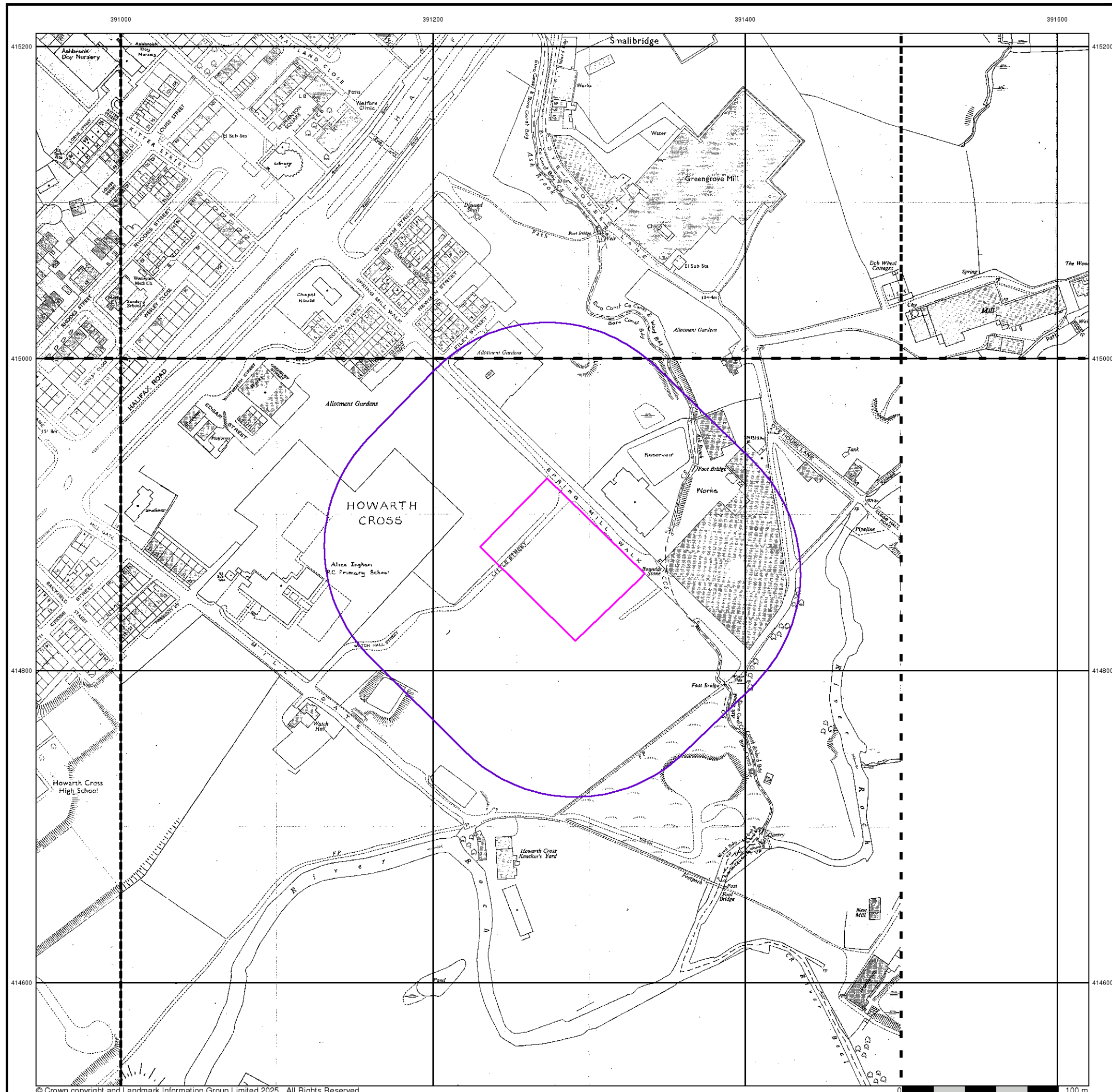
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Customer Ref: LKC251054
National Grid Reference: 391280, 414870
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Site Area (Ha): 0.54
Search Buffer (m): 100

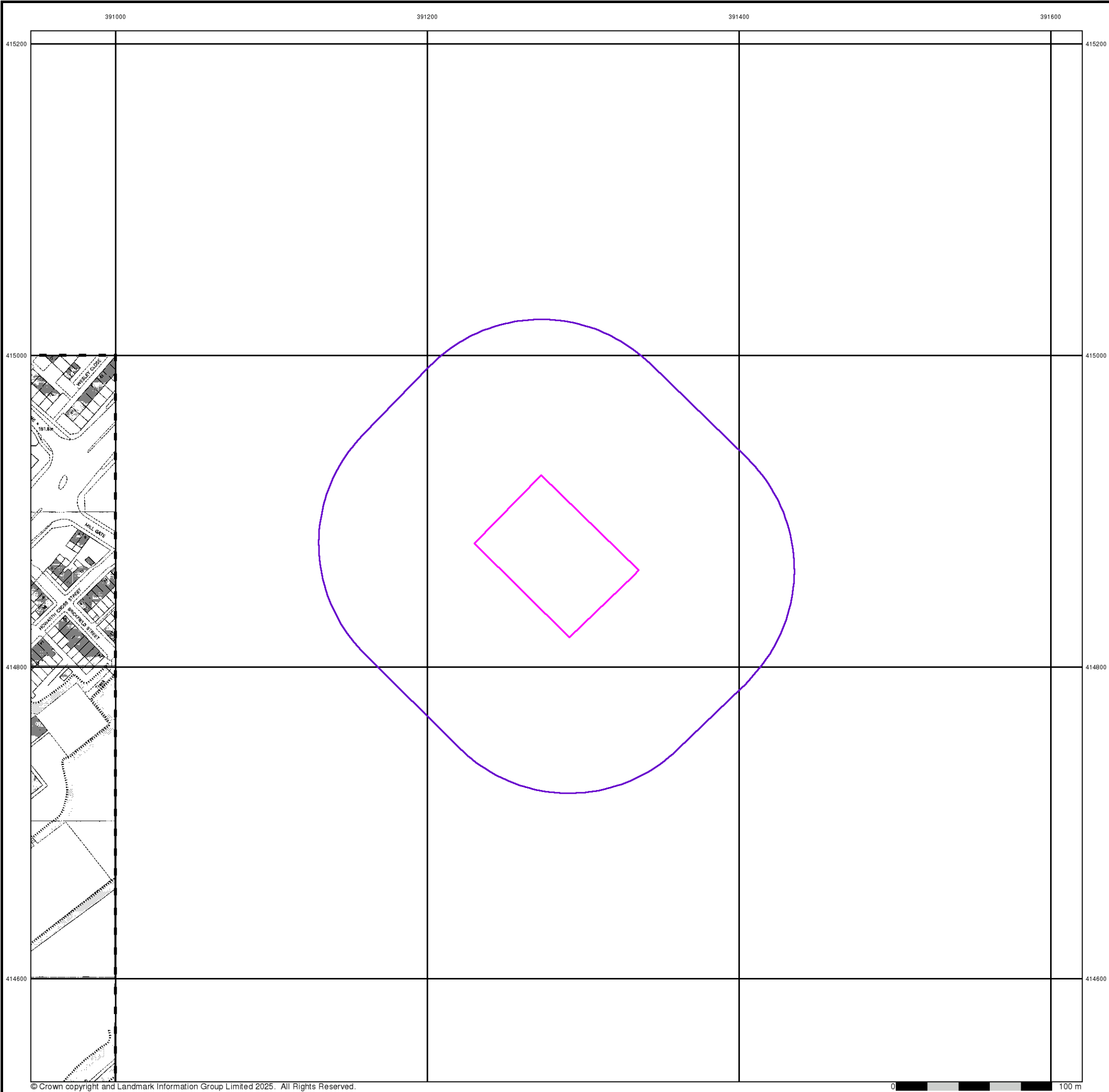
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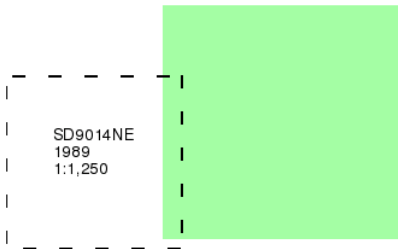
Ordnance Survey Plan

Published 1989

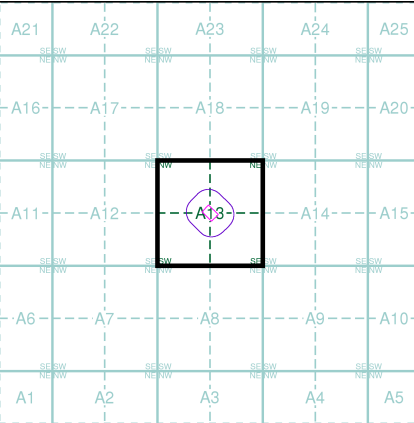
Source map scale - 1:1,250

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: 373249898_1_1
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Large-Scale National Grid Data

Published 1992

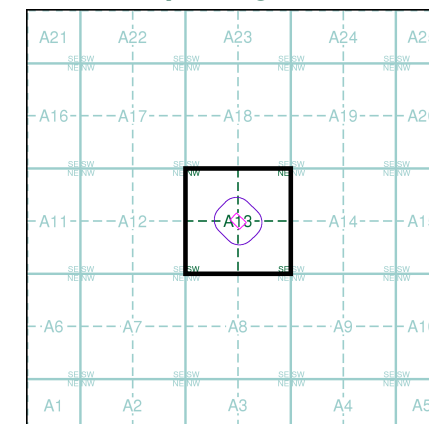
Source map scale - 1:1,250

'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)

SD9015SE	SD9115SW	SD9115SE
1992	1992	1992
1:1,250	1:1,250	1:1,250
SD9014NE	SD9114NW	SD9114NE
1992	1992	1992
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 373249898_1_1
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LK CONSULT

Large-Scale National Grid Data

Published 1993 - 1995

Source map scale - 1:1,250

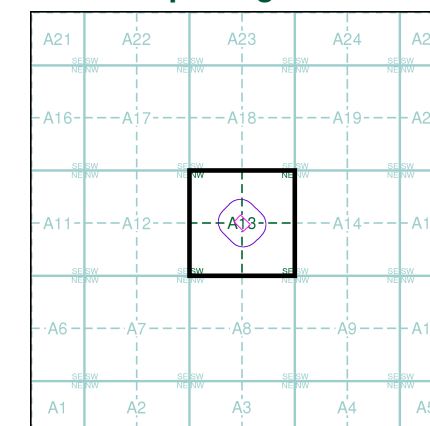
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SD9015SE	SD9115SW	SD9115SE
1995	1993	1995
1:1,250	1:1,250	1:1,250



Historical Map - Segment A13



Order Details

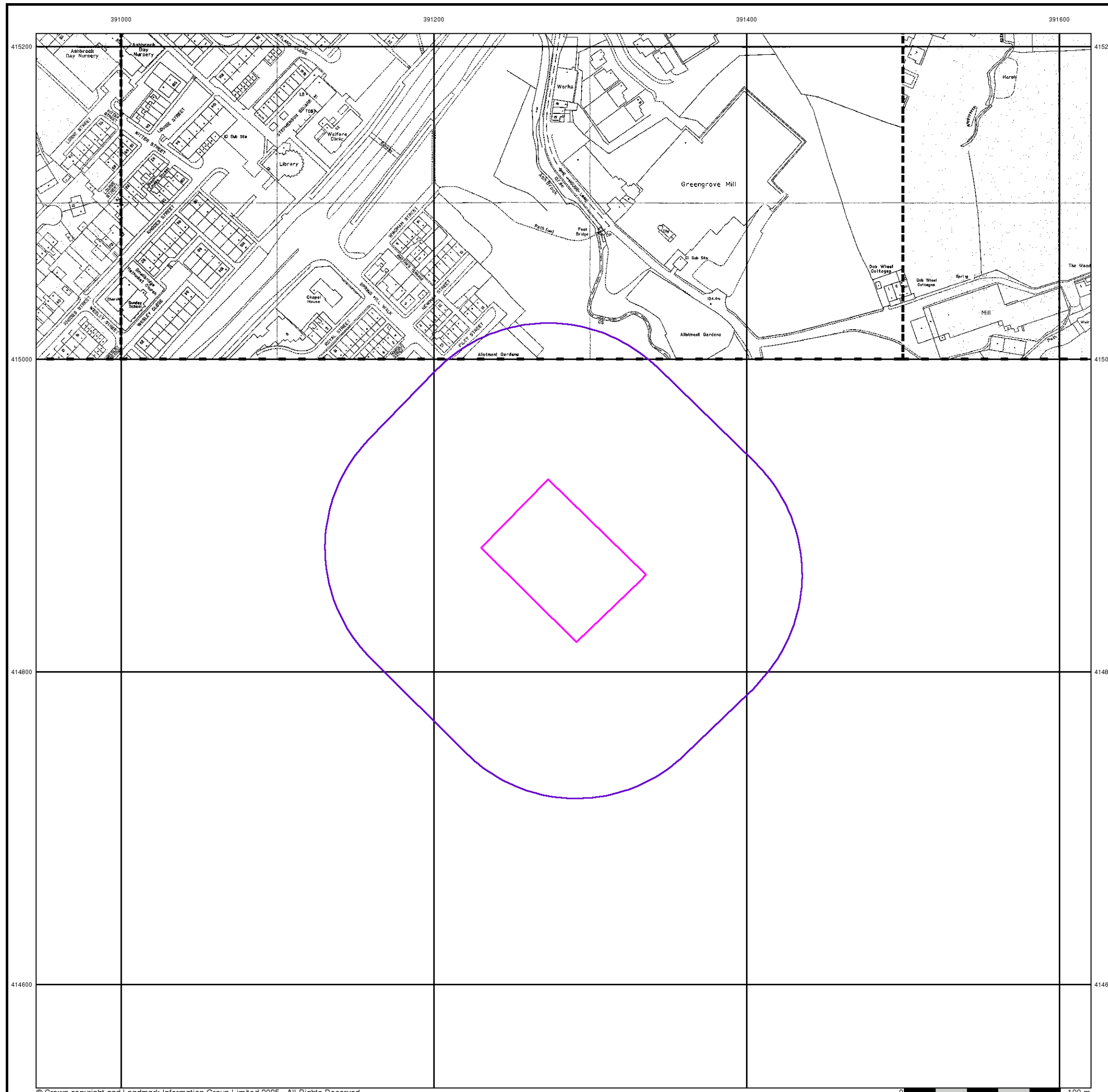
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Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 100

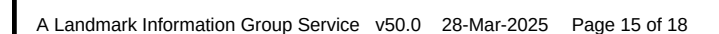
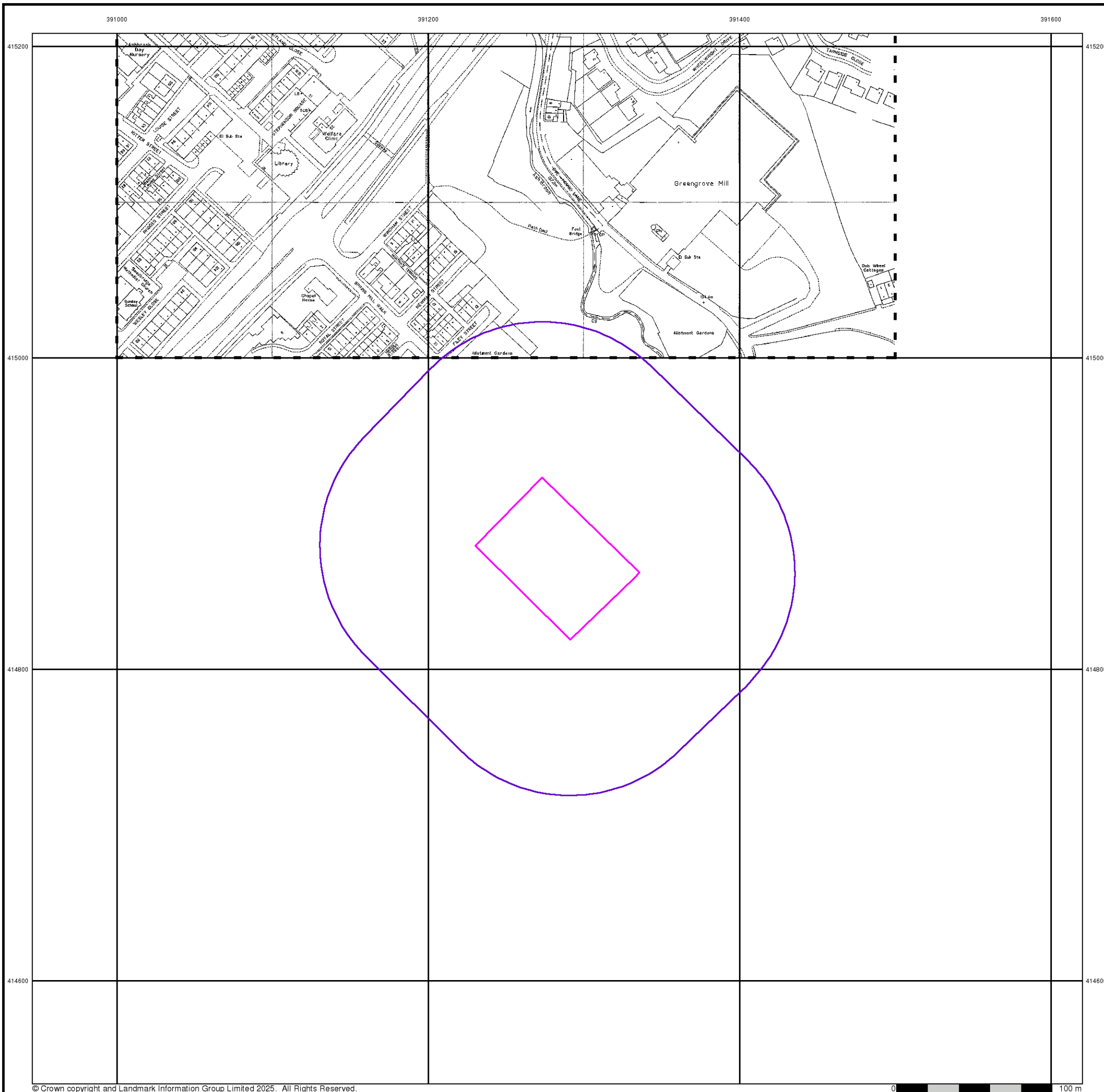
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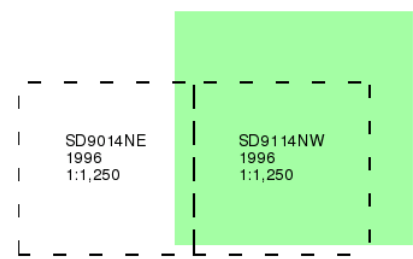
Large-Scale National Grid Data

Published 1996

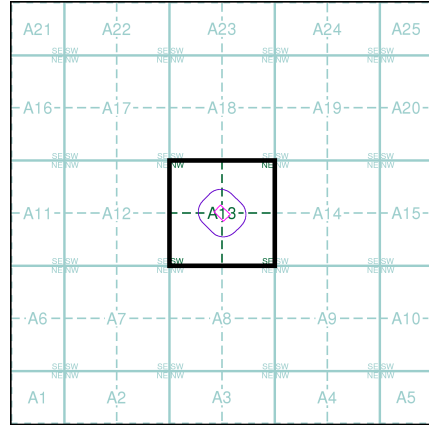
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details
Order Number: 373249898_1_1
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National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
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Large-Scale National Grid Data

Published 1996

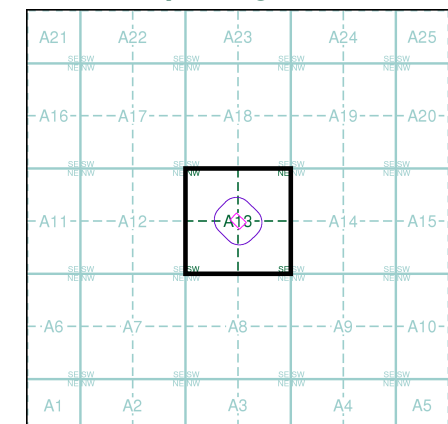
Source map scale - 1:1,250

'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)

SD9115SW
1996
1:1,250

Historical Map - Segment A13



Order Details

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National Grid Reference: 391280, 414870
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Search Buffer (m): 100

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0 100 m



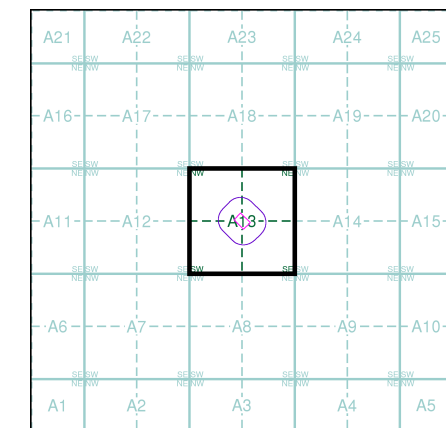
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Historical Aerial Photography

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

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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		Pol Sta
	Ch		PO
	CH		PC
	F E Sta		PH
	FB		SB
	Fn		Spr
	GP		TCB
	MP		TCP
	MS		W

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

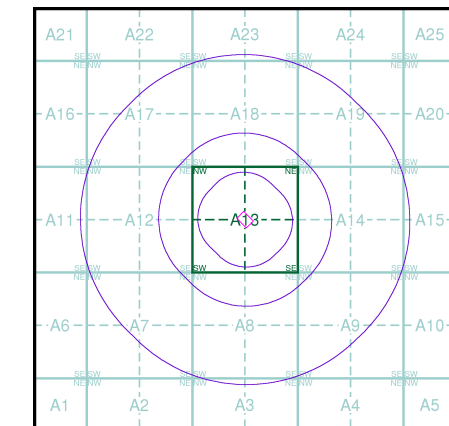


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Lancashire And Furness	1:10,560	1931 - 1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1981 - 1988	13
Ordnance Survey Plan	1:10,000	1990 - 1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Historical Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
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

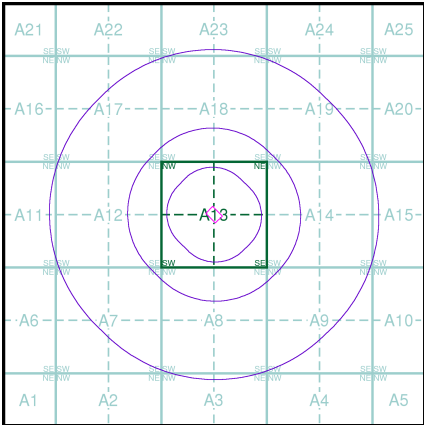


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Lancashire And Furness	1:10,560	1931 - 1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1981 - 1988	13
Ordnance Survey Plan	1:10,000	1990 - 1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Russian Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1851

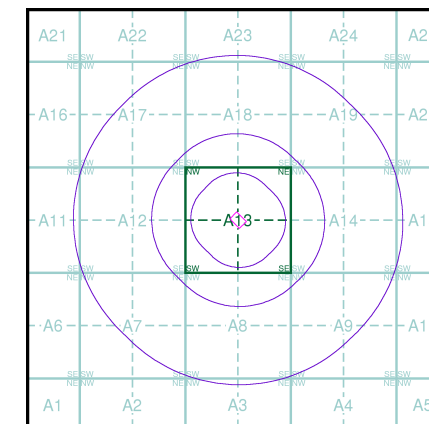
Source map scale - 1:10,560

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)

08100
1851
1:10,560
08900
1851
1:10,560

Historical Map - Slice A



Order Details

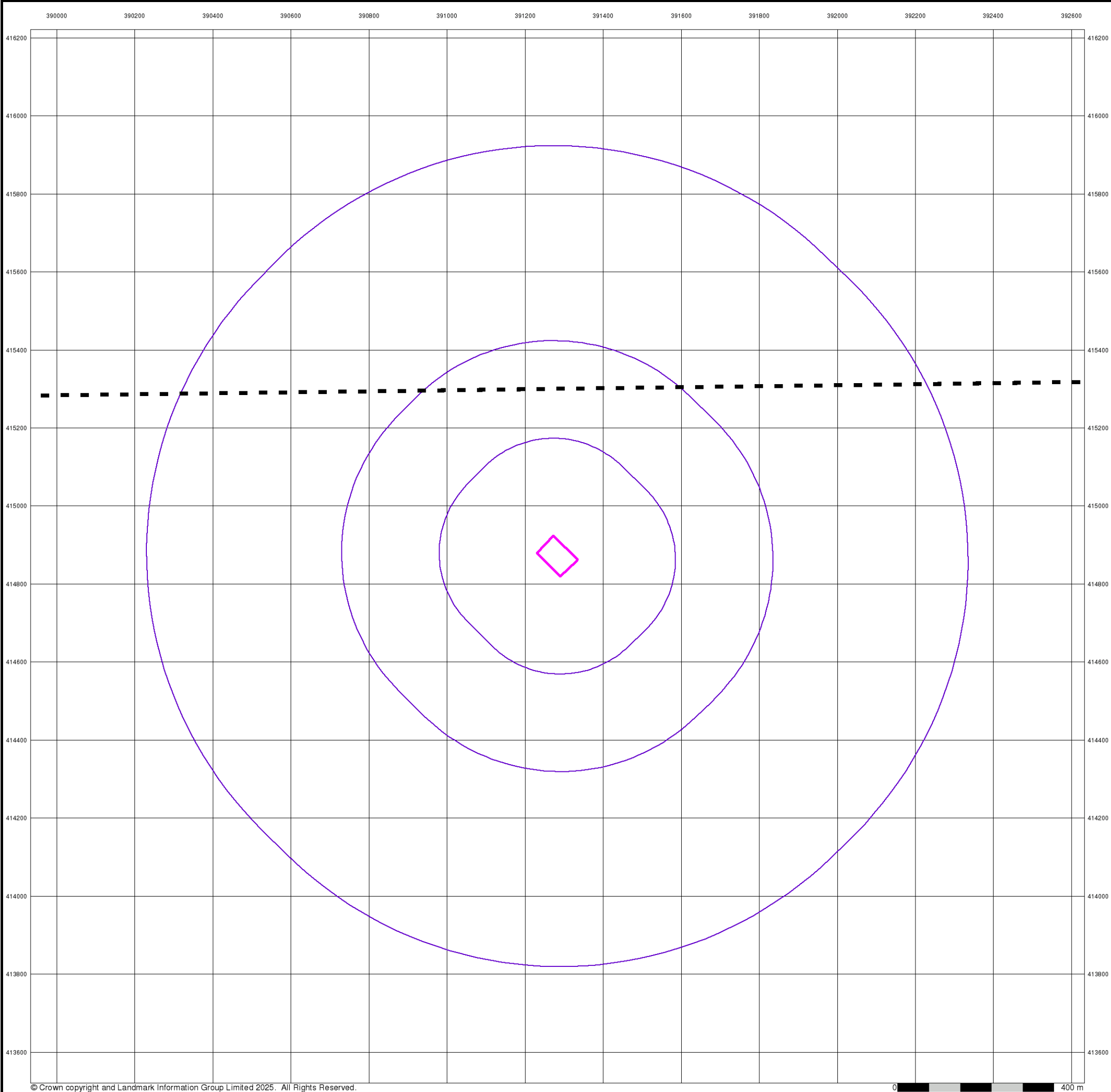
Order Number: 373249898_1_1
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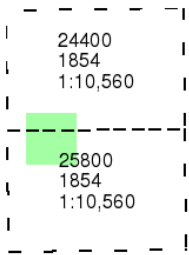
Yorkshire

Published 1854

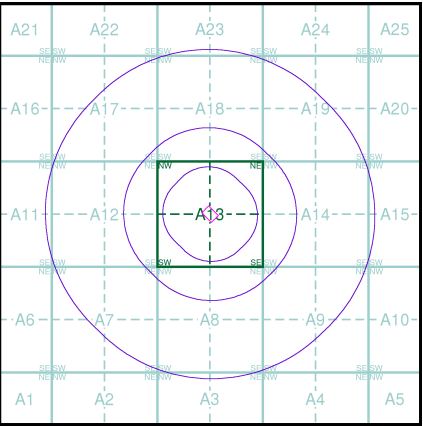
Source map scale - 1:10,560

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



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Lancashire And Furness

Published 1894

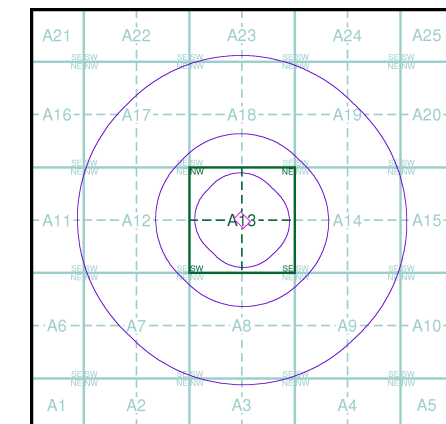
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

081SW
1894
1:10,560
089NW
1894
1:10,560

Historical Map - Slice A



Order Details

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LK CONSULT

Lancashire And Furness

Published 1910 - 1911

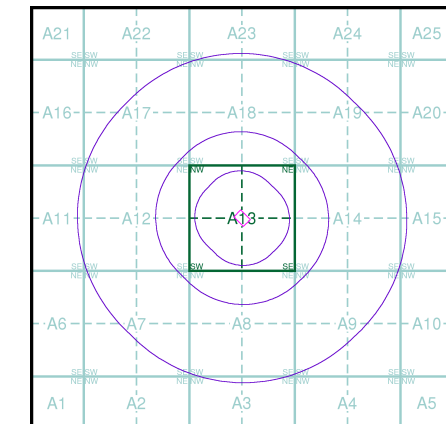
Source map scale - 1:10,560

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)

081SW
1911
1:10,560
089NW
1910
1:10,560

Historical Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

Site Details

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LK CONSULT

Lancashire And Furness

Published 1931 - 1932

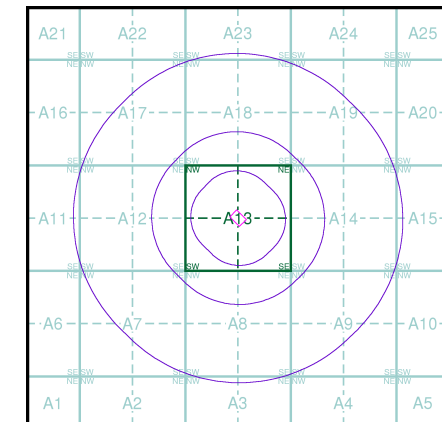
Source map scale - 1:10,560

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)

081SW
1932
1:10,560
089NW
1931
1:10,560

Historical Map - Slice A



Order Details

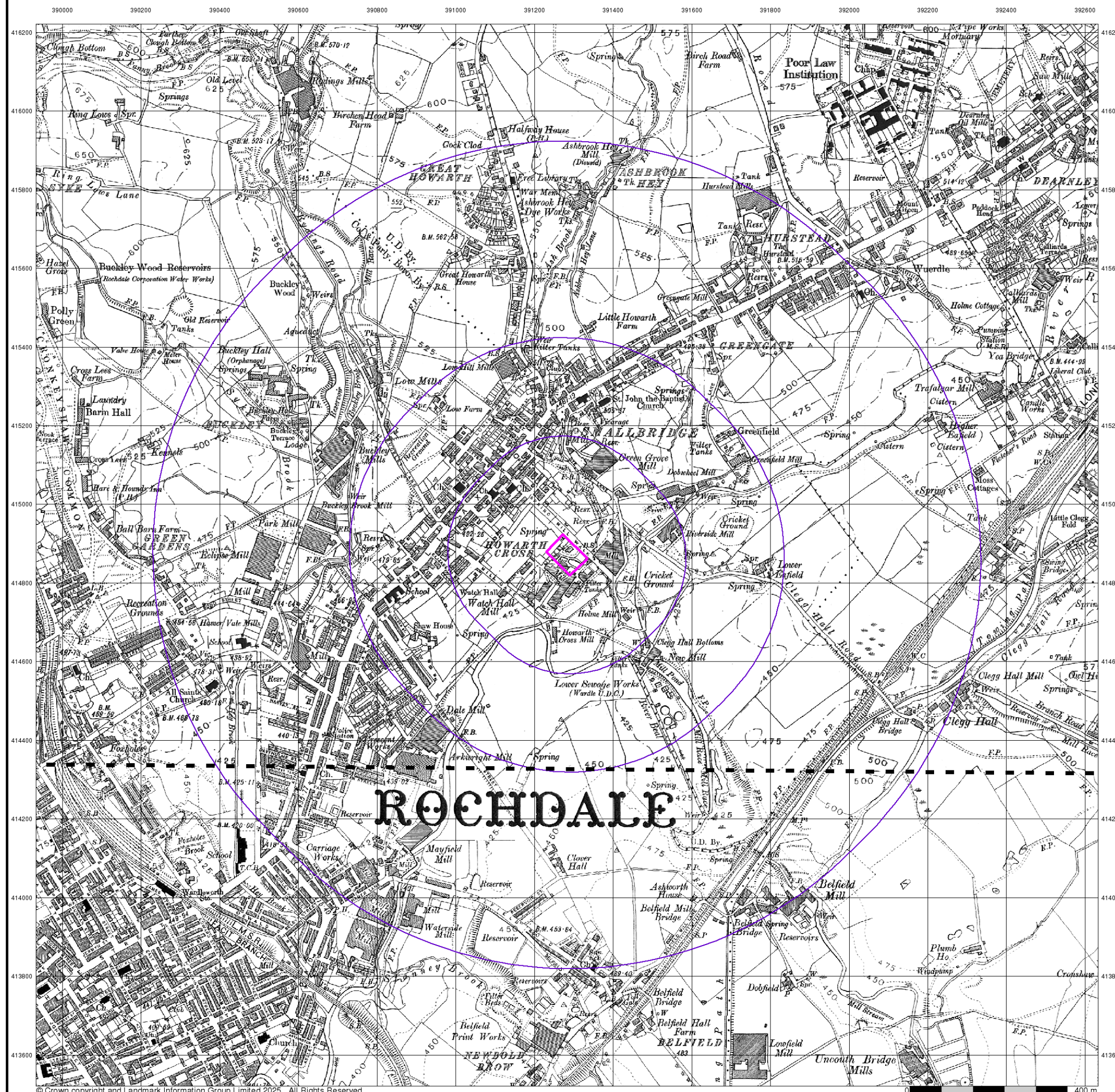
Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

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LK CONSULT

Lancashire And Furness

Published 1938

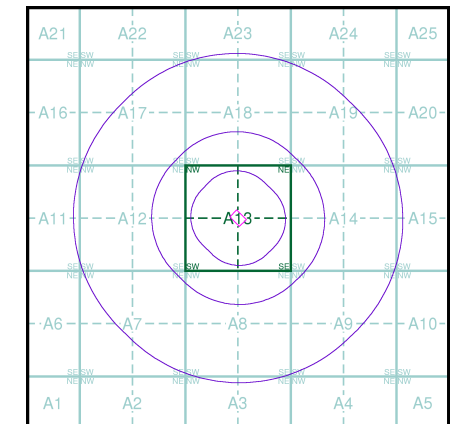
Source map scale - 1:10,560

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)

081SW
1938
1:10,560
089NW
1938
1:10,560

Historical Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

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LK CONSULT

Ordnance Survey Plan

Published 1956

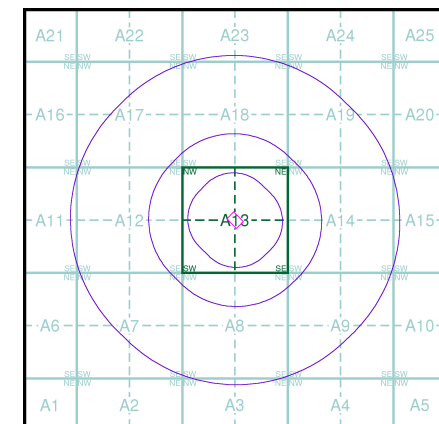
Source map scale - 1:10,000

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)

SD81NE	SD91NW
1956	1956
1:10,560	1:10,560
SD81SE	SD91SW
1956	1956
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1967 - 1968

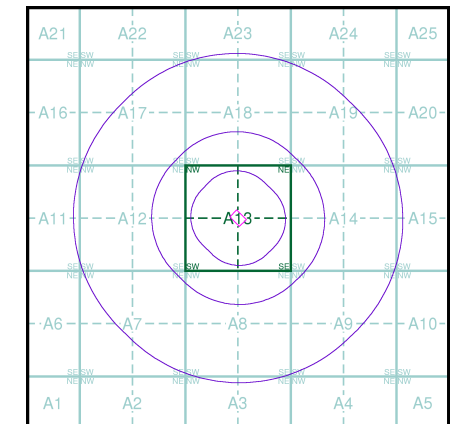
Source map scale - 1:10,000

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)

SD81NE	SD91NW
1967	1968
1:10,560	1:10,560
SD81SE	SD91SW
1968	1967
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

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LK CONSULT

Manchester

Published 1975

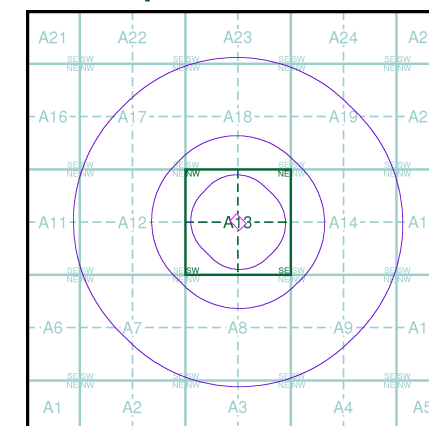
Source map scale - 1:25,000

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	SD91 1975 1:25,000
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Russian Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1977 - 1979

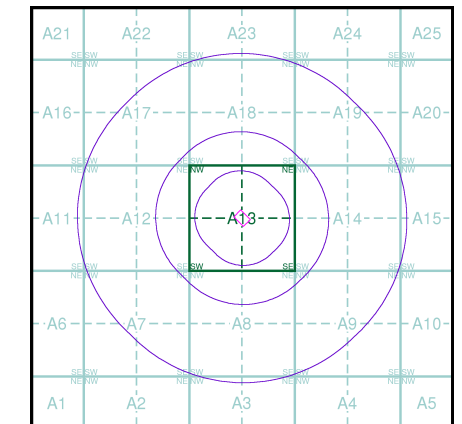
Source map scale - 1:10,000

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)

SD91NW	1978	1:10,000
SD81SE	1977	1:10,000
SD91SW	1979	1:10,000

Historical Map - Slice A



Order Details

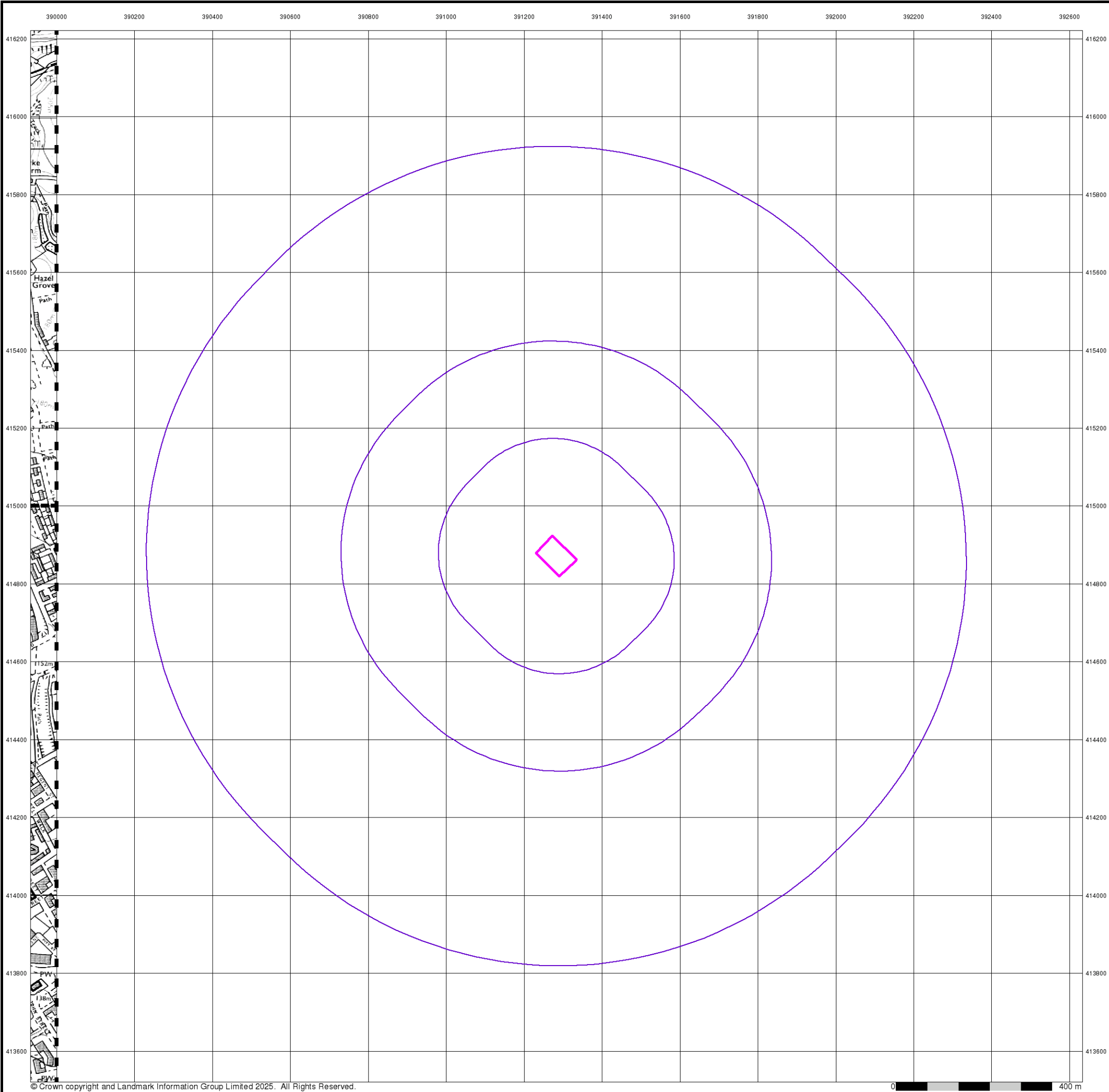
Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

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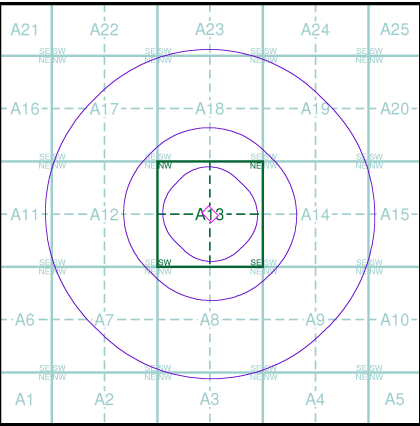
Ordinance Survey Plan
Published 1981 - 1988
Source map scale - 1:10,000

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)

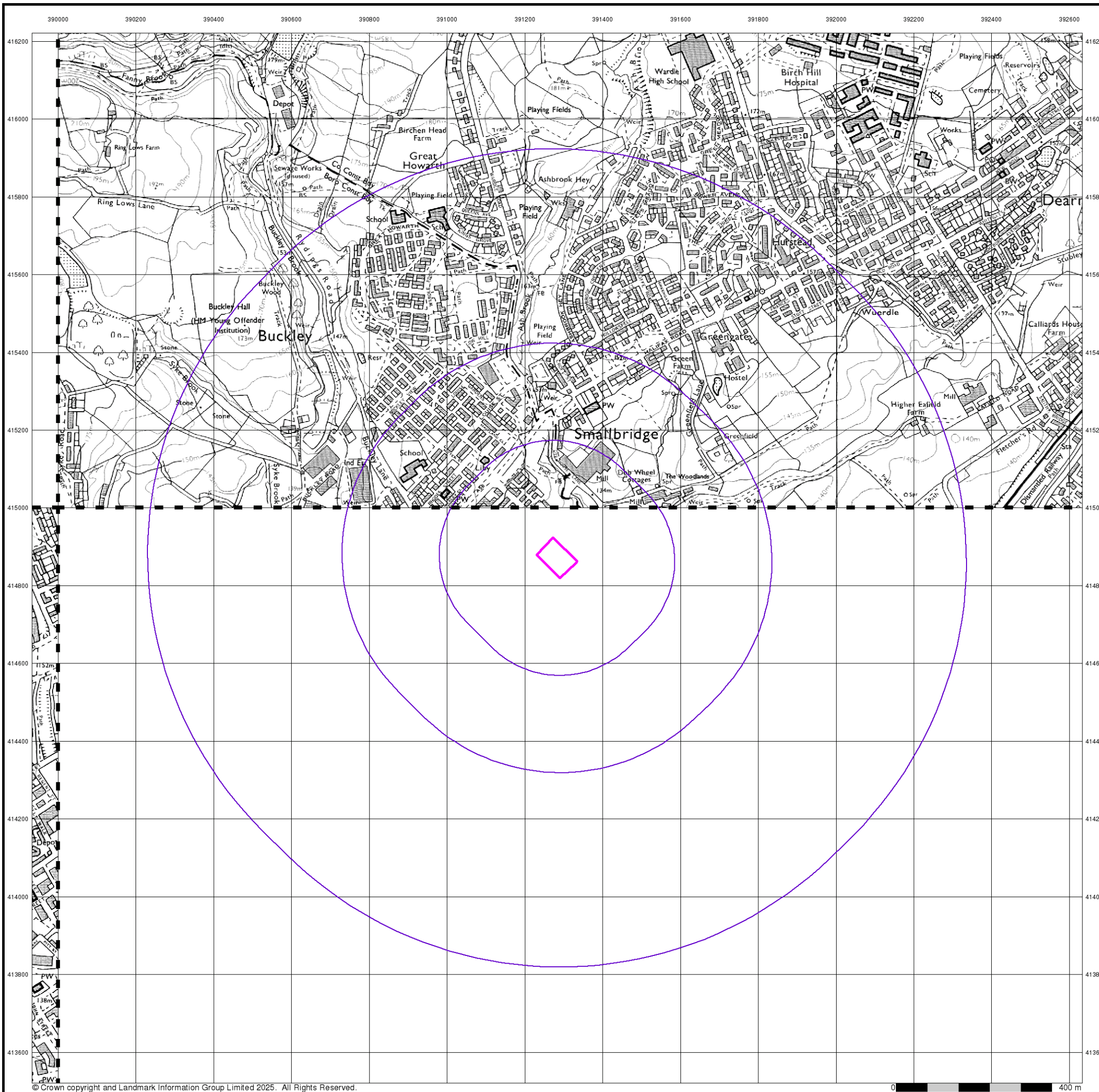
SD81NE	1981	1:10,000
SD81SE	1988	1:10,000

Historical Map - Slice A



Order Details
Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
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Search Buffer (m): 1000

Site Details
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0 400 m



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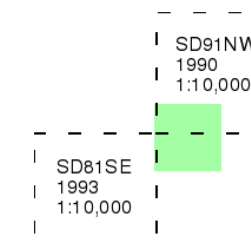
Ordnance Survey Plan

Published 1990 - 1993

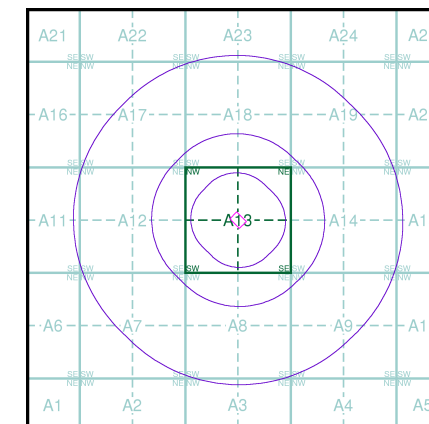
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 373249898_1_1
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10k Raster Mapping

Published 1999

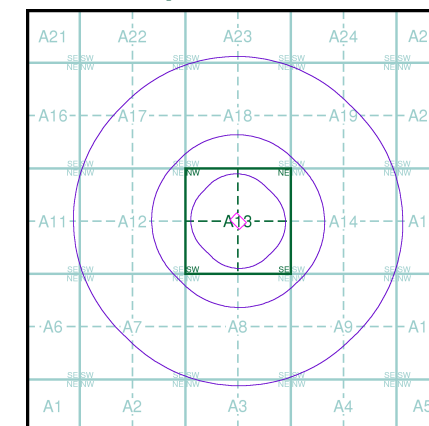
Source map scale - 1:10,000

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)

SD81NE	SD91NW
1999	1999
1:10,000	1:10,000
SD81SE	SD91SW
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 373249898_1_1
Customer Ref: LKC251054
National Grid Reference: 391280, 414870
Slice: A
Site Area (Ha): 0.54
Search Buffer (m): 1000

Site Details

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LK CONSULT

10k Raster Mapping

Published 2006

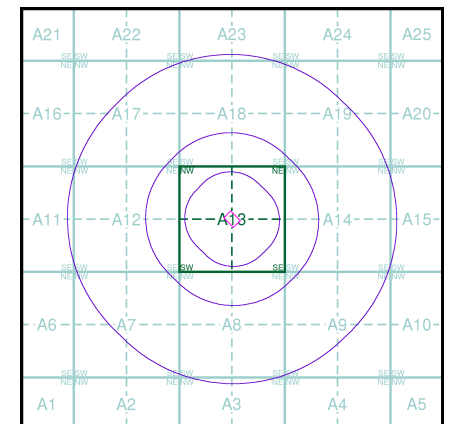
Source map scale - 1:10,000

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)

SD81NE	SD91NW
2006	2006
1:10,000	1:10,000
SD81SE	SD91SW
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

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LK CONSULT

VectorMap Local

Published 2024

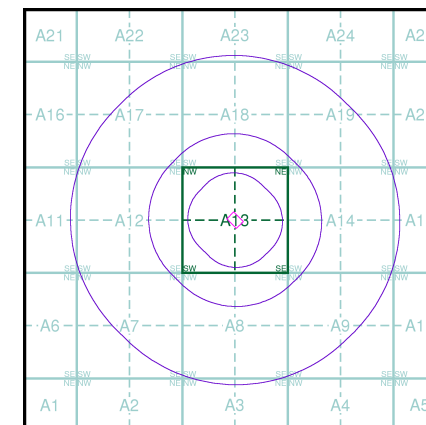
Source map scale - 1:10,000

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)

SD81NE	SD91NW
2024	2024
Variable	Variable
SD81SE	SD91SW
2024	2024
Variable	Variable

Historical Map - Slice A



Order Details

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