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Water Map

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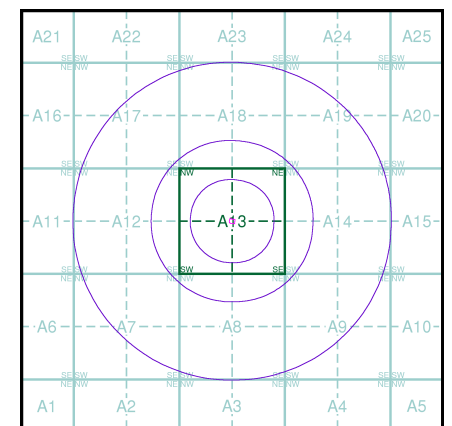
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The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, 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 area date

SE12NE	SE22NW
2000	2000
1:10,000	1:10,000
SE12SE	SE22SW
2000	2000
1:10,000	1:10,000

Historical Map slice



Order etai

Order Number: 106470940_1_1
Customer Ref: JBB/01
National Grid Reference: 418690, 423990
Slice: A
Site Area (Ha): 0.1
Search Buffer (m): 1000

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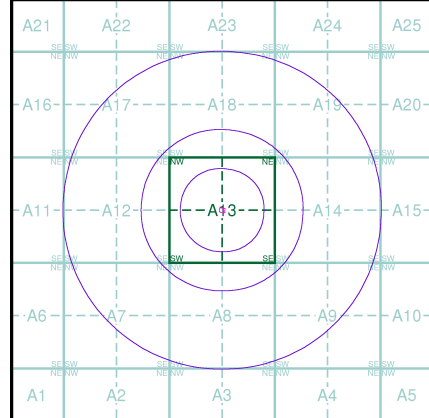
treeview
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Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map area and date

SE12NE 2016 1:10,000	SE22NW 2016 1:10,000
SE12SE 2016 1:10,000	SE22SW 2016 1:10,000

treeview Map slice



Order details

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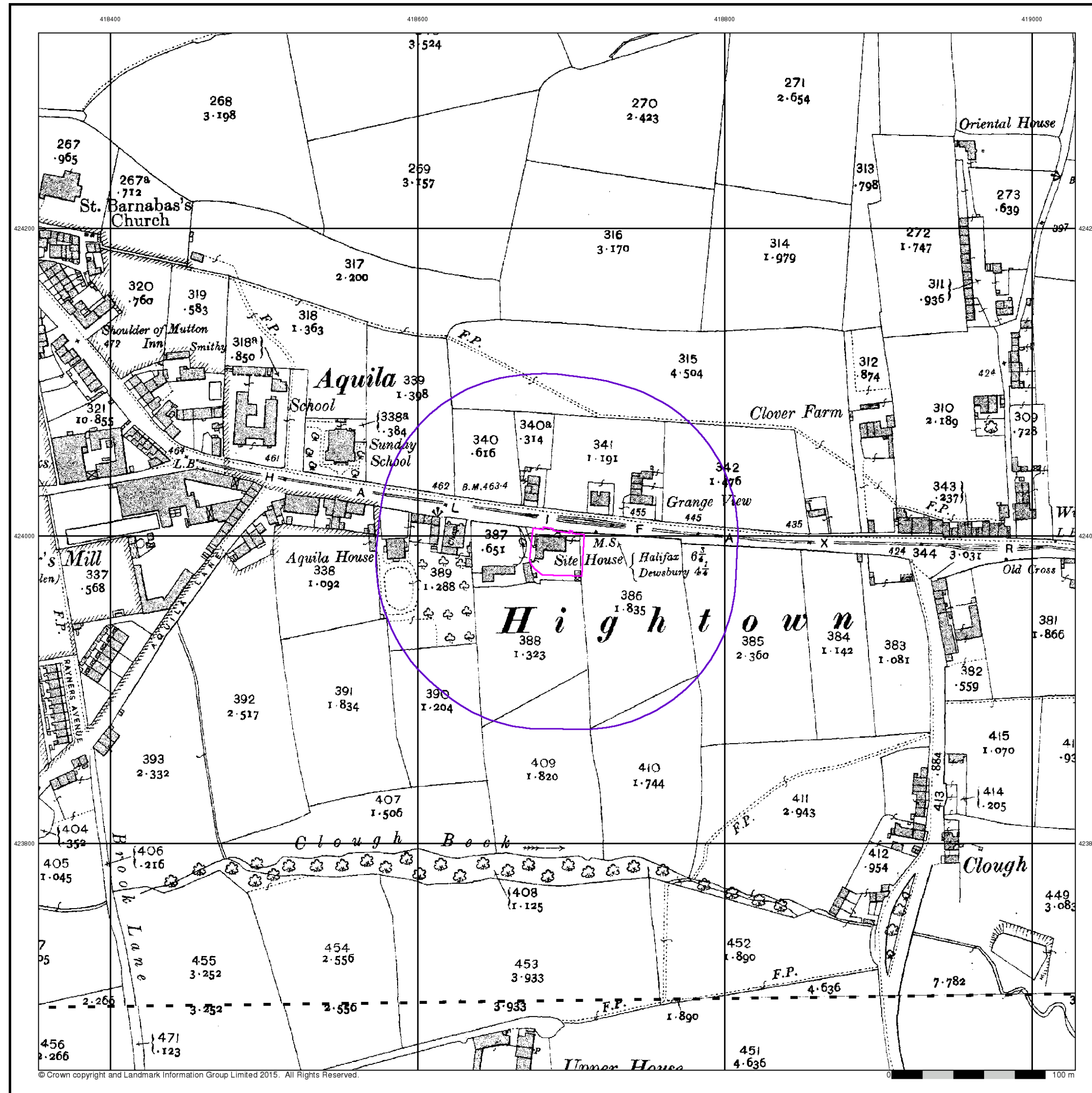
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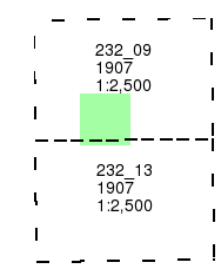
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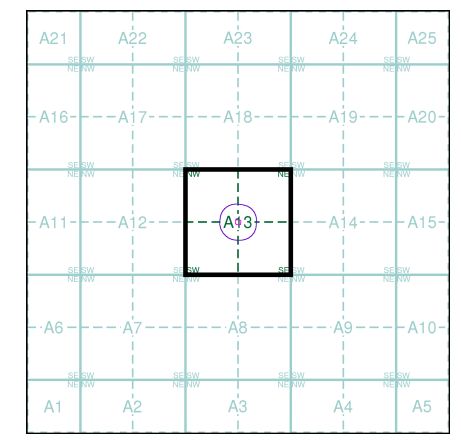
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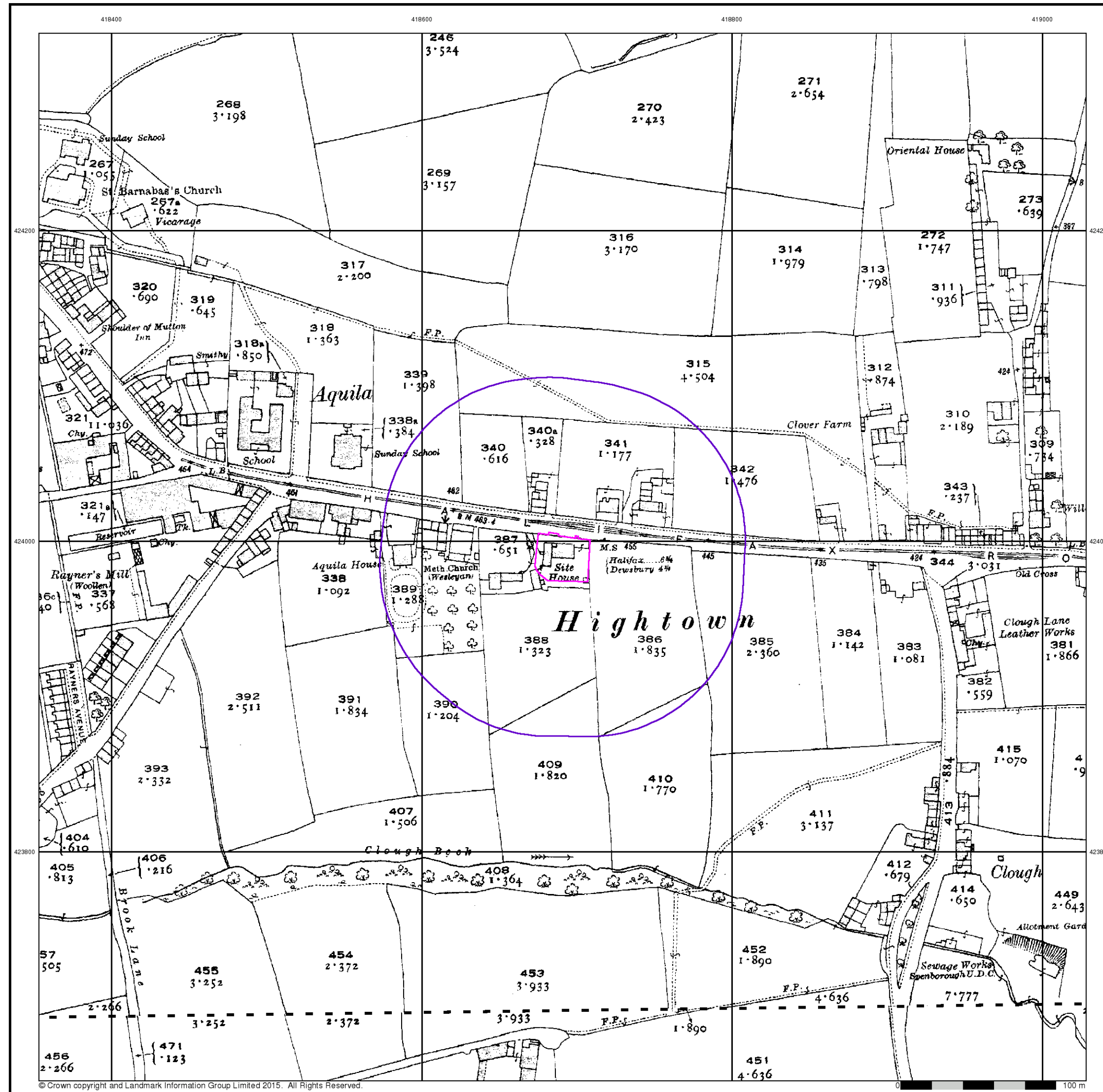
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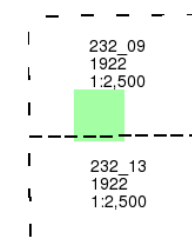
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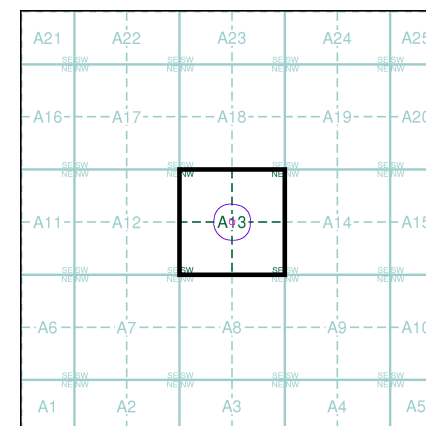
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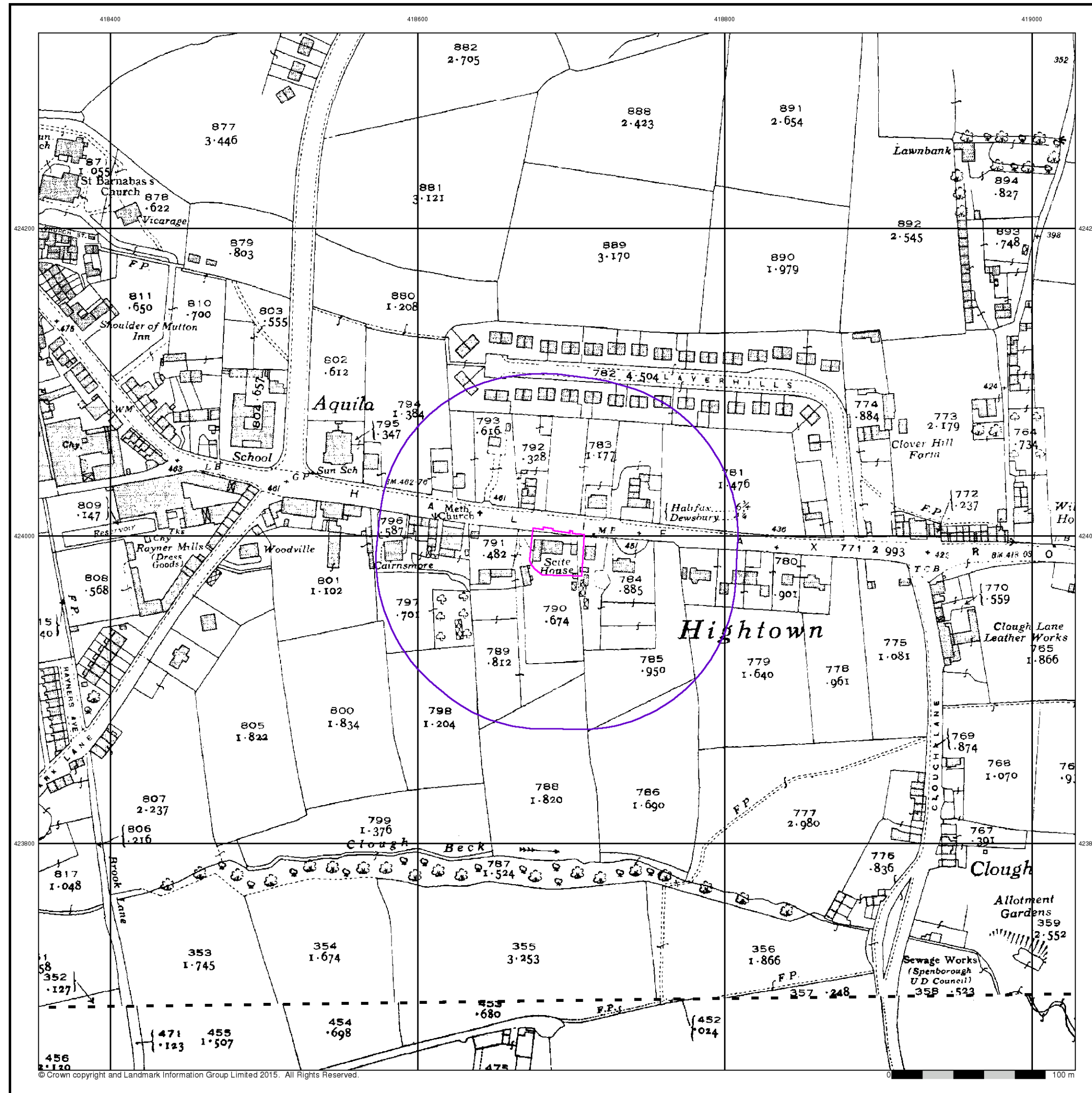
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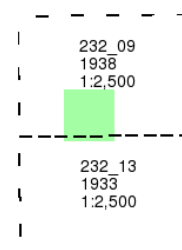
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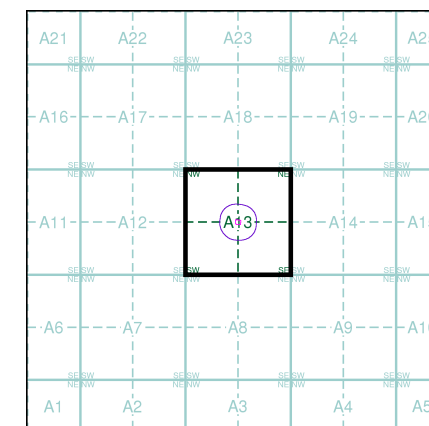
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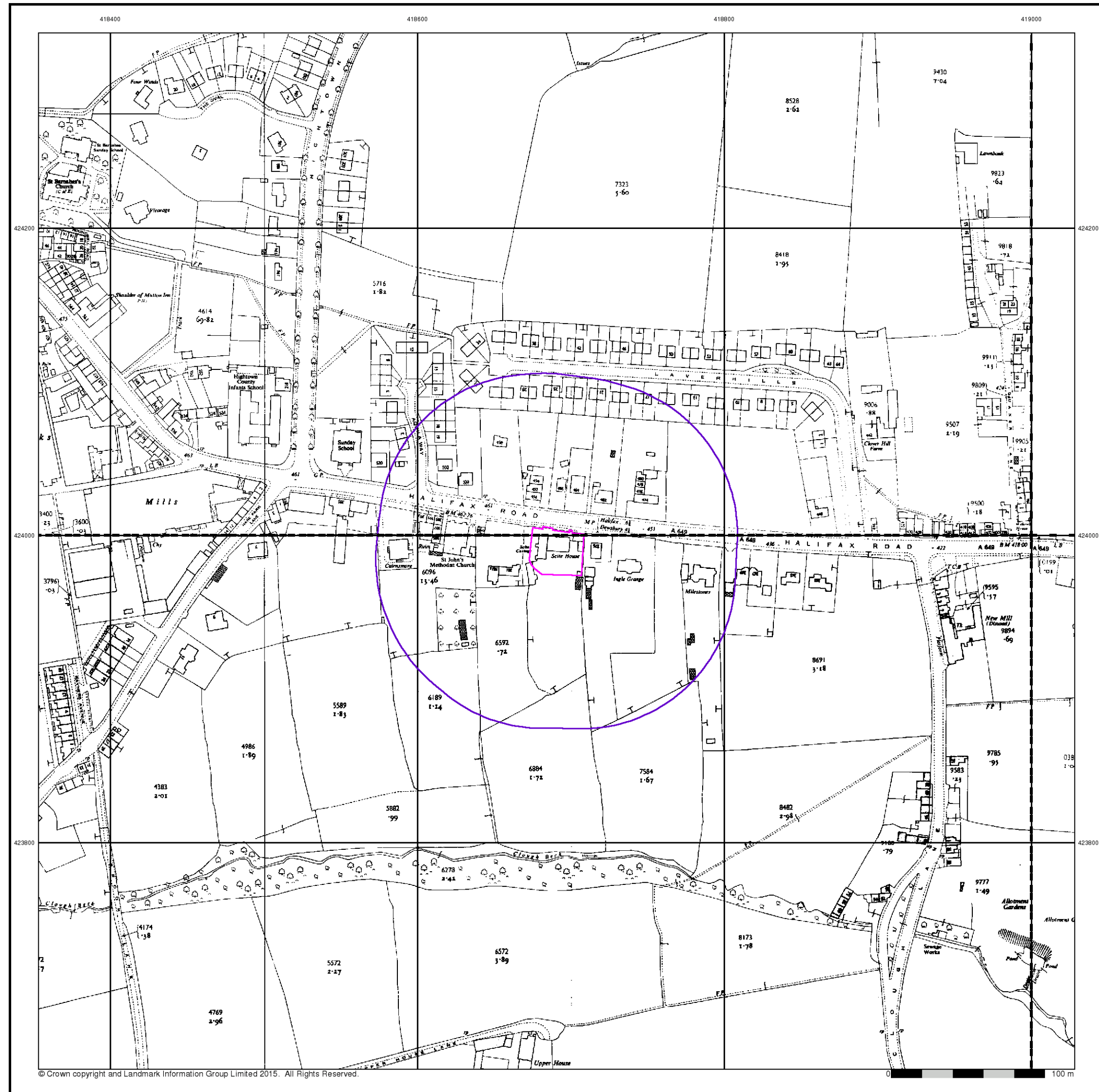
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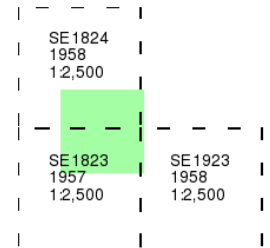


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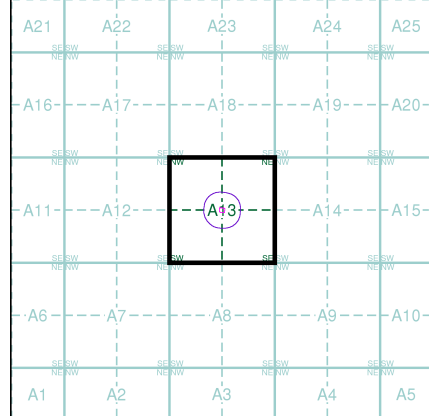
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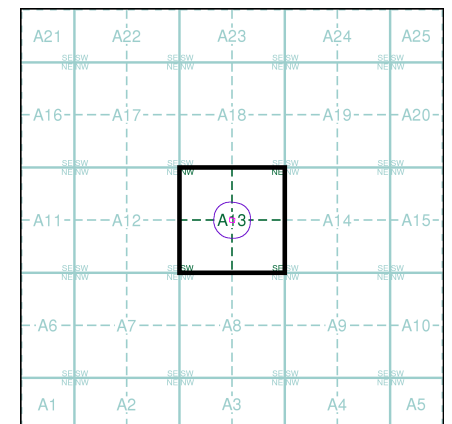
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Ma a e a d ate

SE1824SW 1958 1:1,250	SE1824SE 1958 1:1,250	SE1924SW 1957 1:1,250
SE1823NW 1957 1:1,250	SE1823NE 1957 1:1,250	SE1923NW 1957 1:1,250

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Order etai

Order Number: 106470940_1_1
Customer Ref: JBB/01
National Grid Reference: 418690, 423990
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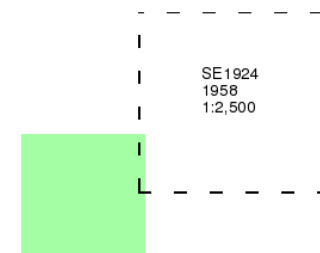
Additional Maps

Unpublished

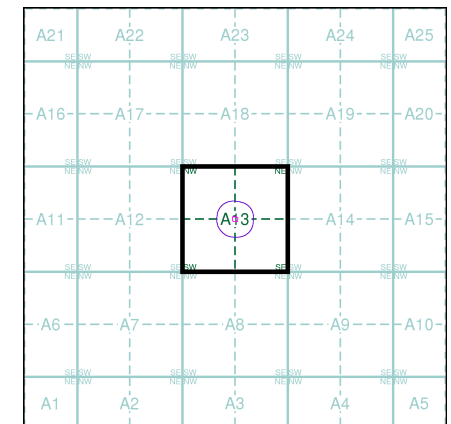
Source and Scale

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.

Main area of interest



Historical Mapsheet



Order details

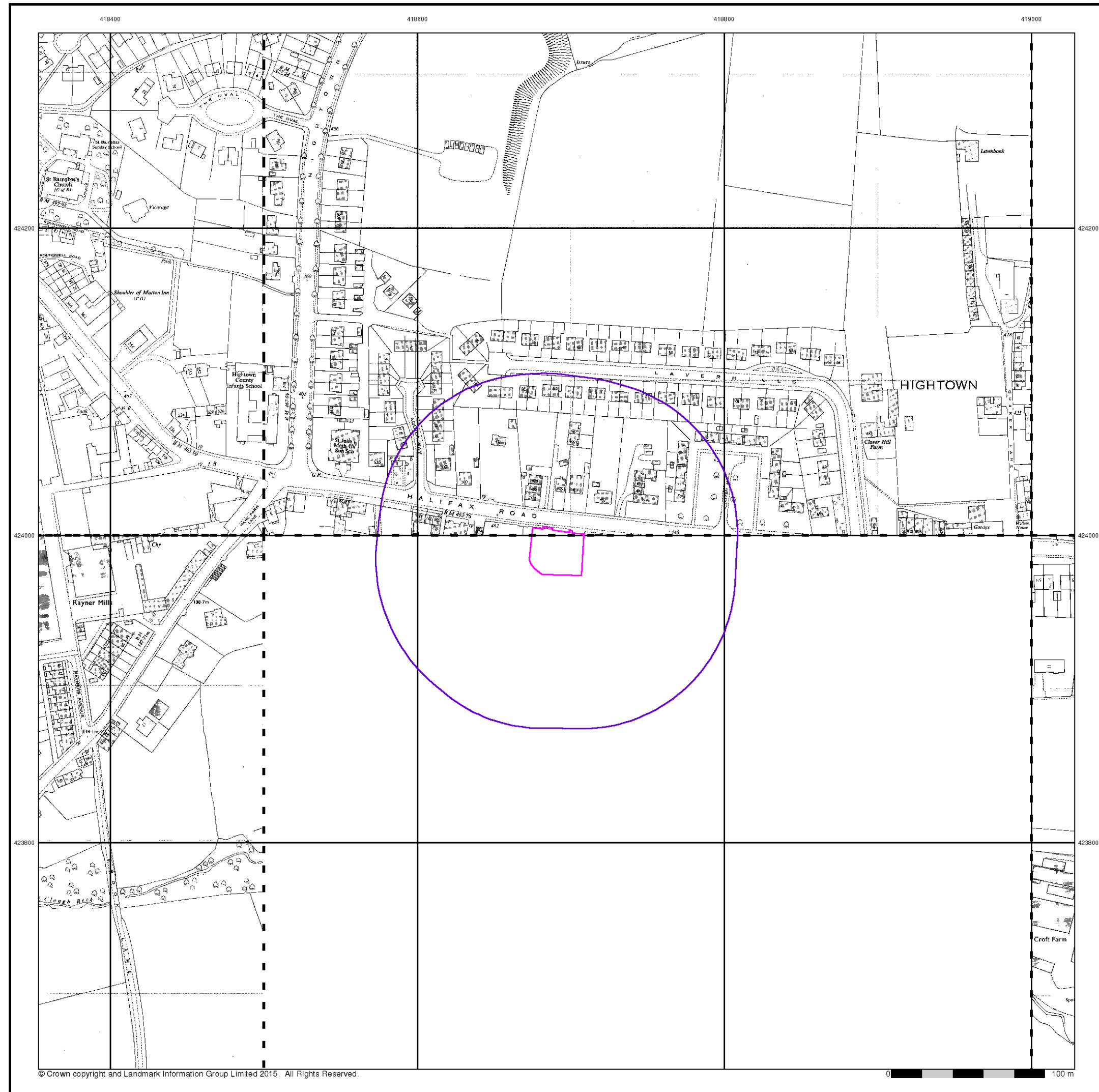
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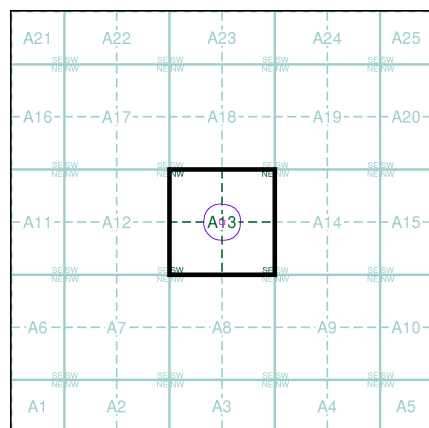
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Ma a e a d ate

SE1824SW 1965 1:1,250	SE1824SE 1968 1:1,250
SE1823NW 1970 1:1,250	SE1923NW 1978 1:1,250

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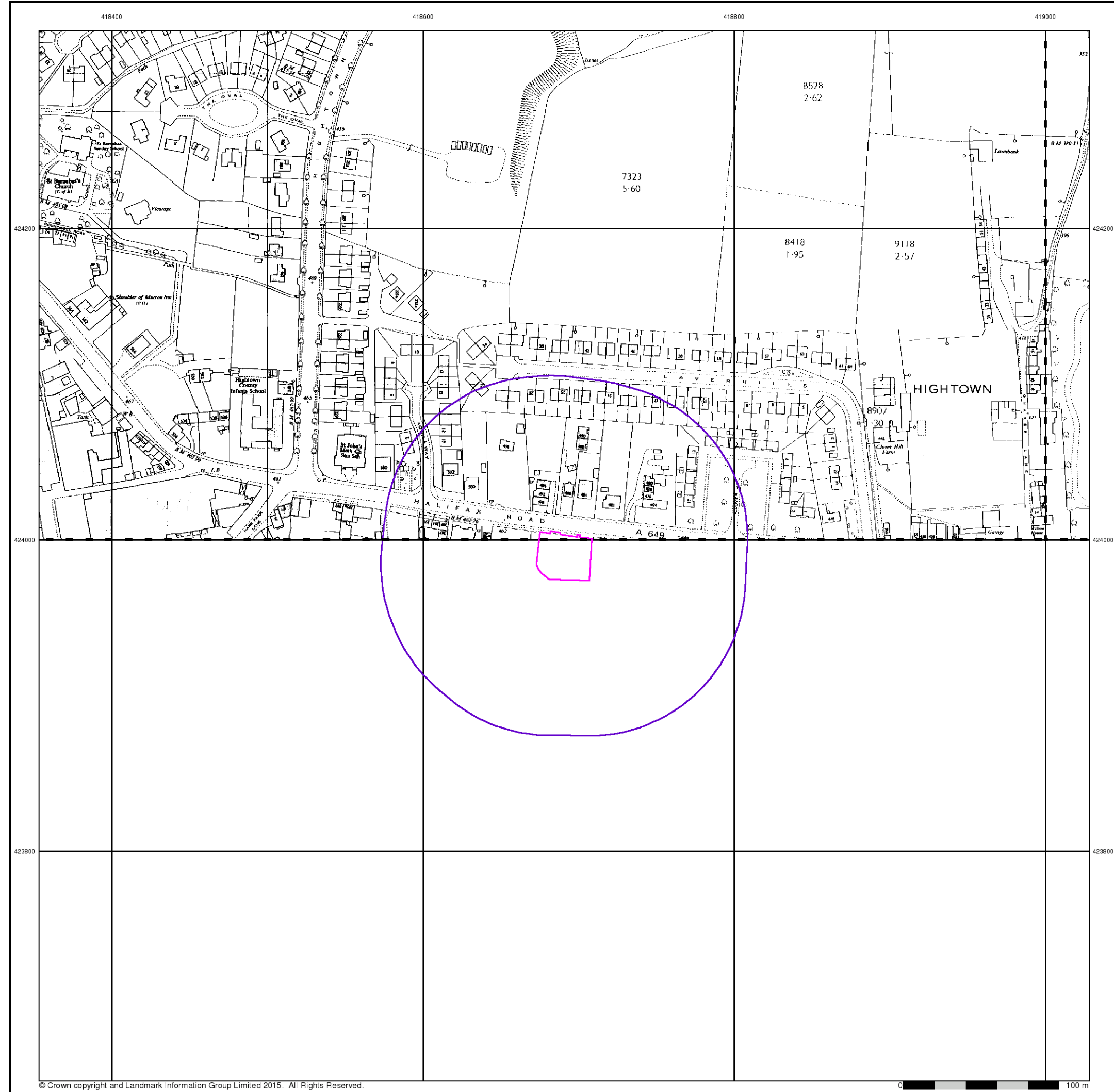
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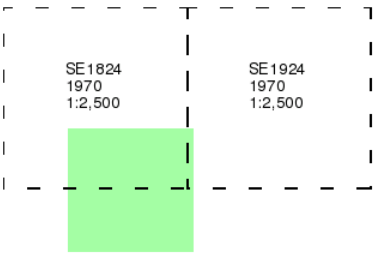


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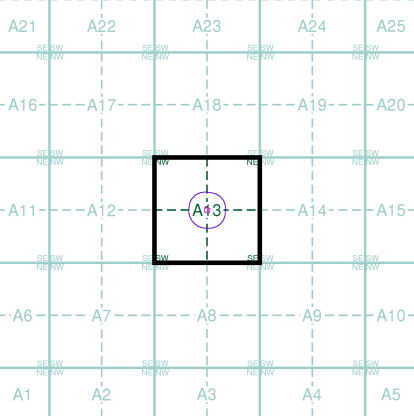
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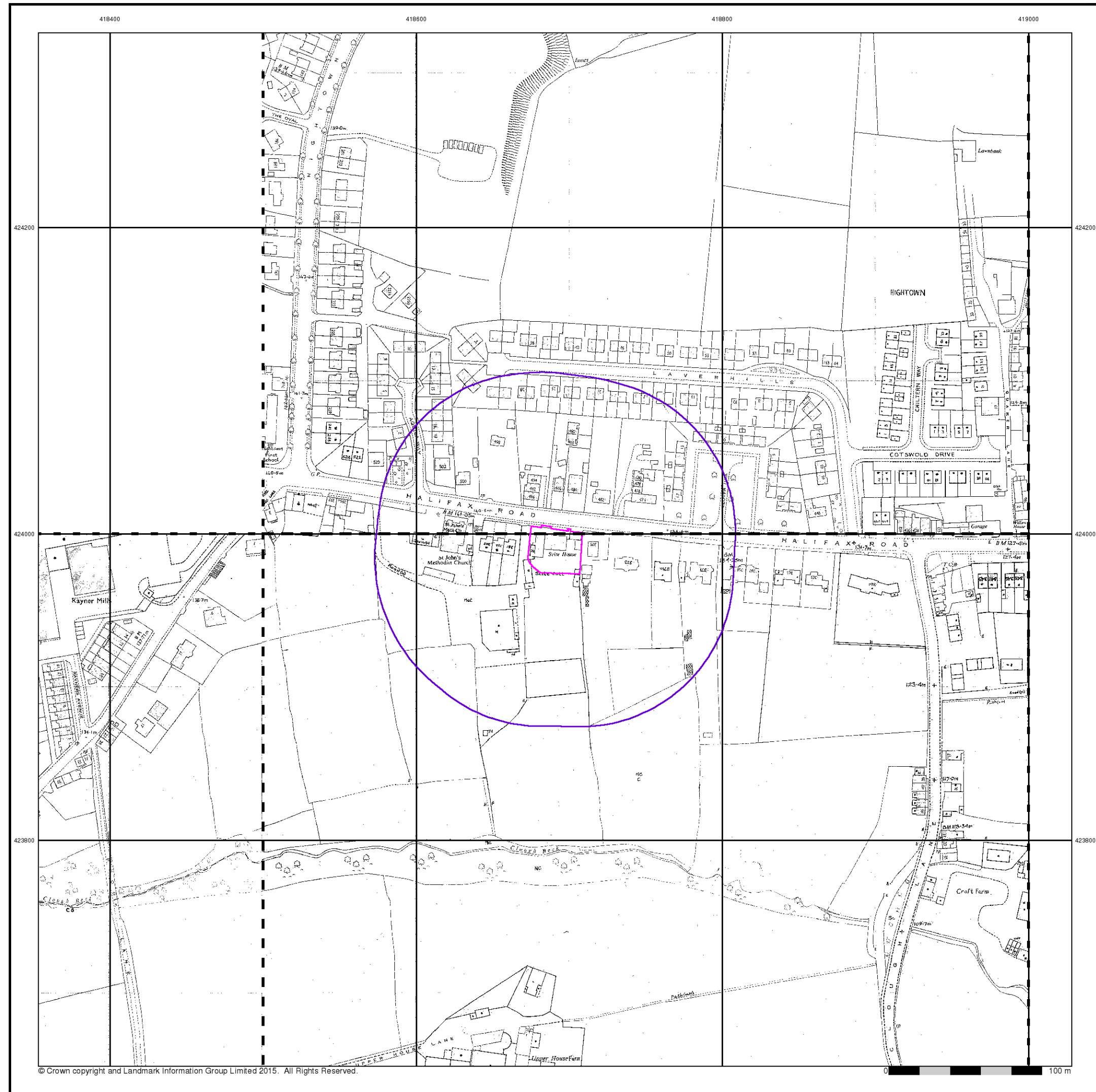
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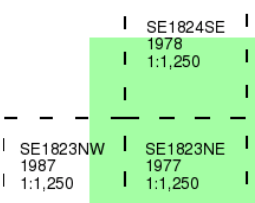


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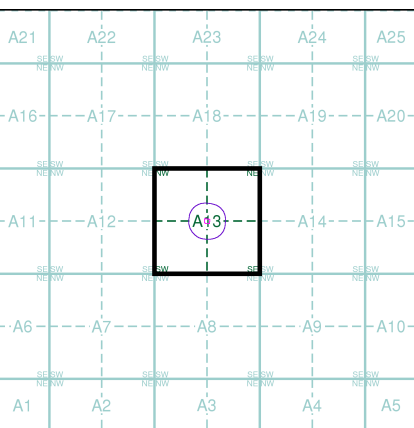
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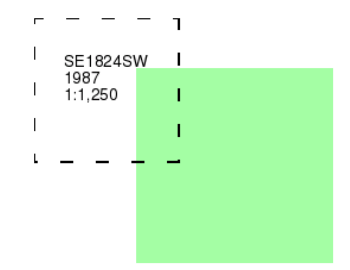


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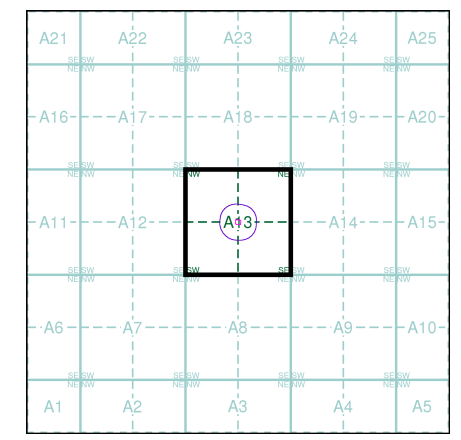
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Main area



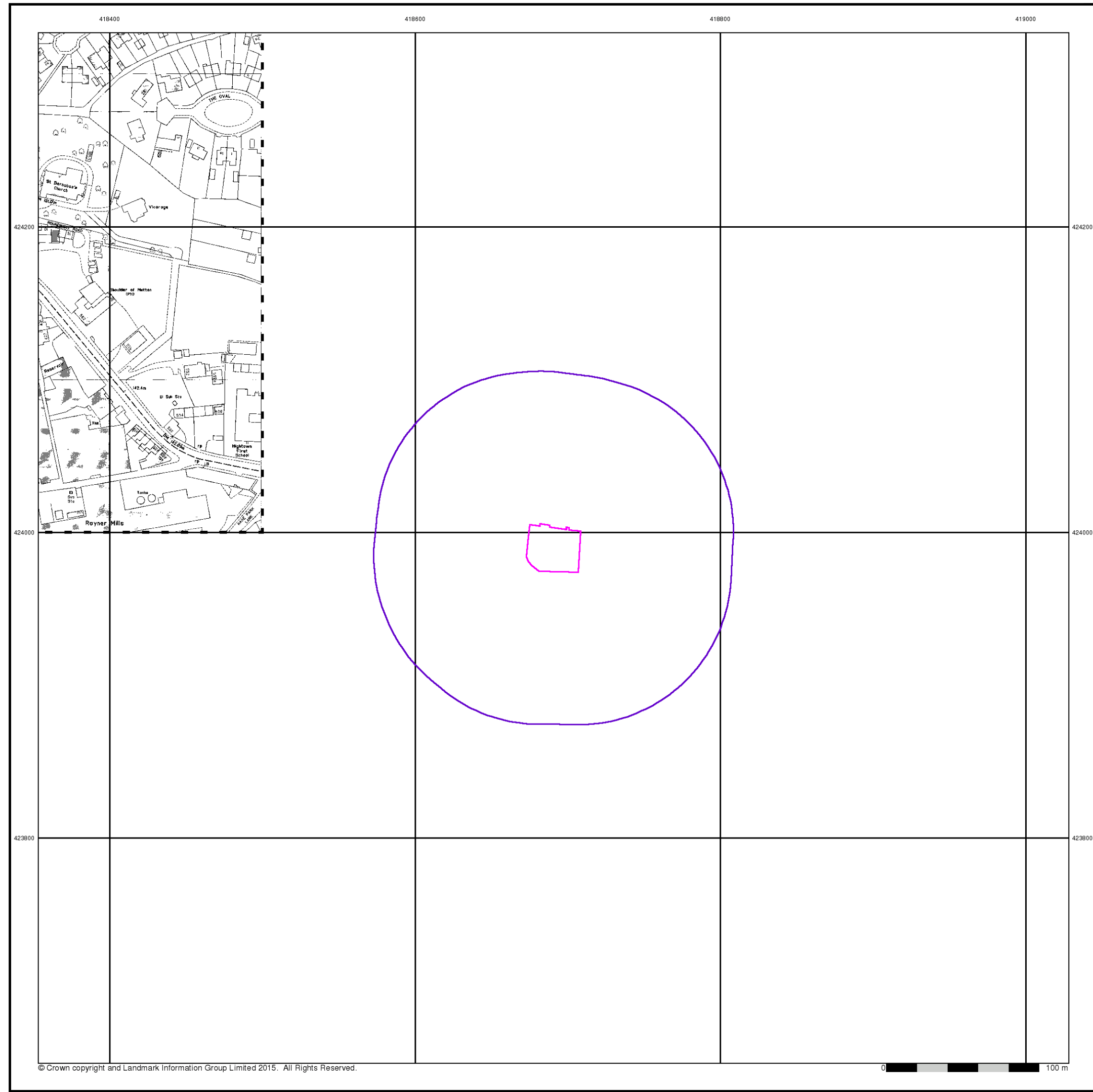
Historical Map

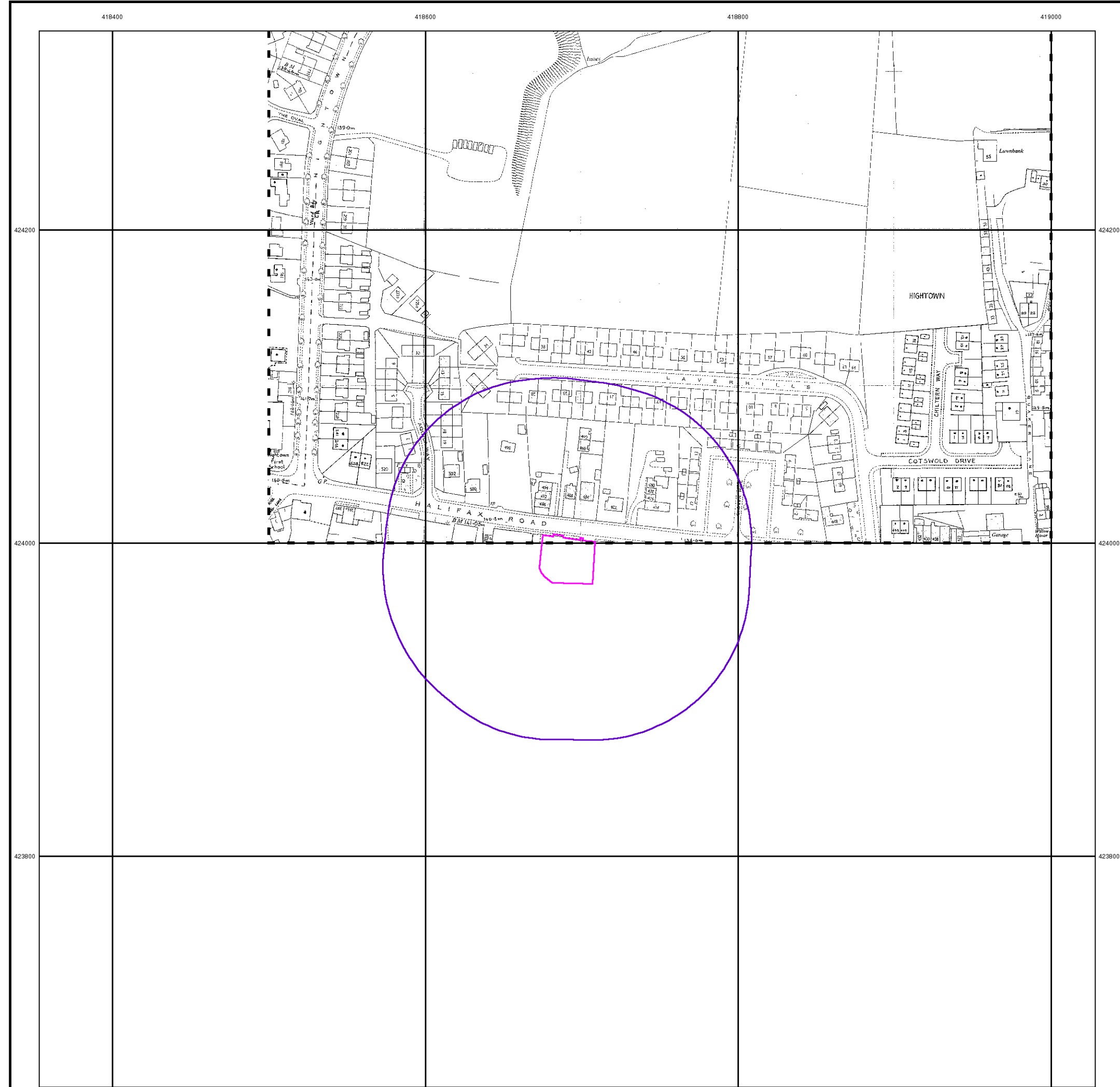


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Site
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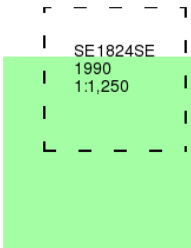


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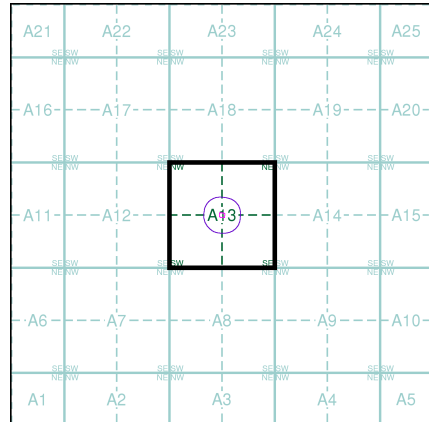
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Large Scale National Grid Data

Unpublished

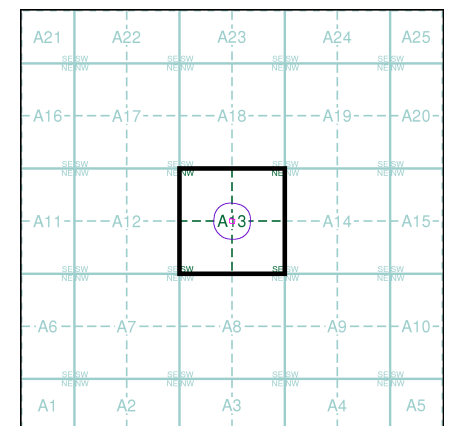
Source: Ordnance Survey

'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 area and date

SE1824SW 1993 1:1,250	SE1824SE 1993 1:1,250	SE1924SW 1993 1:1,250
SE1823NW 1993 1:1,250	SE1823NE 1993 1:1,250	SE1923NW 1993 1:1,250

Historical Map sheet



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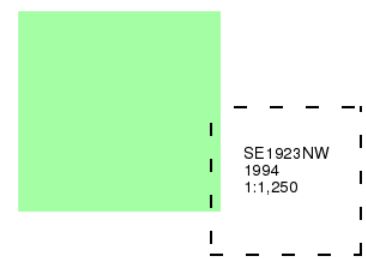


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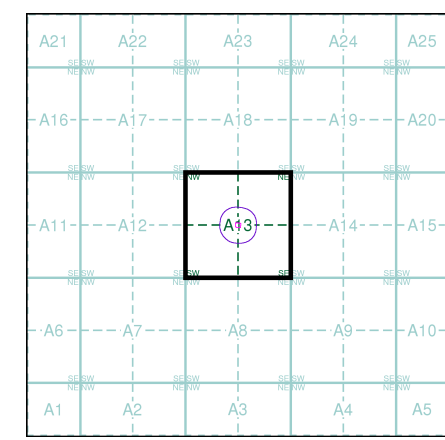
Large Scale National Grid Data
used as a source of information

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Map area and date



Historical Map reference



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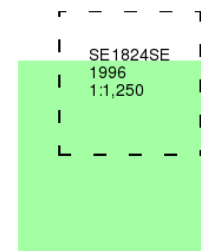
Large Scale National Grid Data

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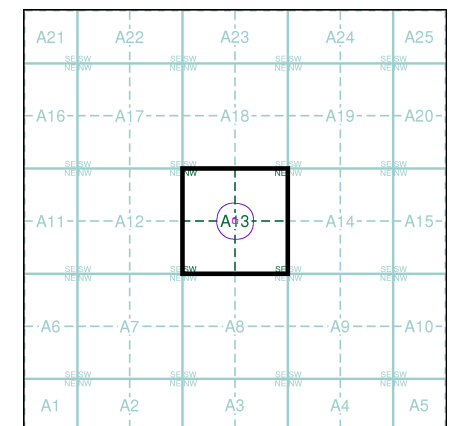
Source: Ordnance Survey

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Map of area dated



Historical Map of area



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APPENDIX C

LANDMARK GEOLOGY MAPS

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Quaternary - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	ALF	Alluvial Fan Deposits	Sand and Gravel	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Langsettian - Langsettian
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Langsettian - Langsettian
	FHR	Falhouse Rock	Sandstone	Langsettian - Langsettian
	CLRK	Clifton Rock	Sandstone	Langsettian - Langsettian
	BRSR	Birstall Rock	Sandstone	Langsettian - Langsettian
	LPE	Lepton Edge Rock	Sandstone	Langsettian - Langsettian
	ER	Emley Rock	Sandstone	Langsettian - Langsettian
	KKBS	Kirkburton Sandstone	Sandstone	Langsettian - Langsettian
		Faults		
		Rock Segments		



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Geology 1:50,000 Maps

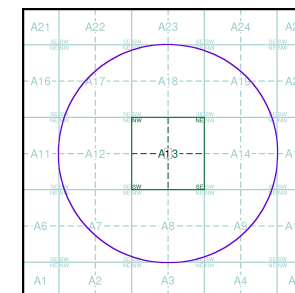
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 077
Map Name: Huddersfield
Map Date: 2003
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

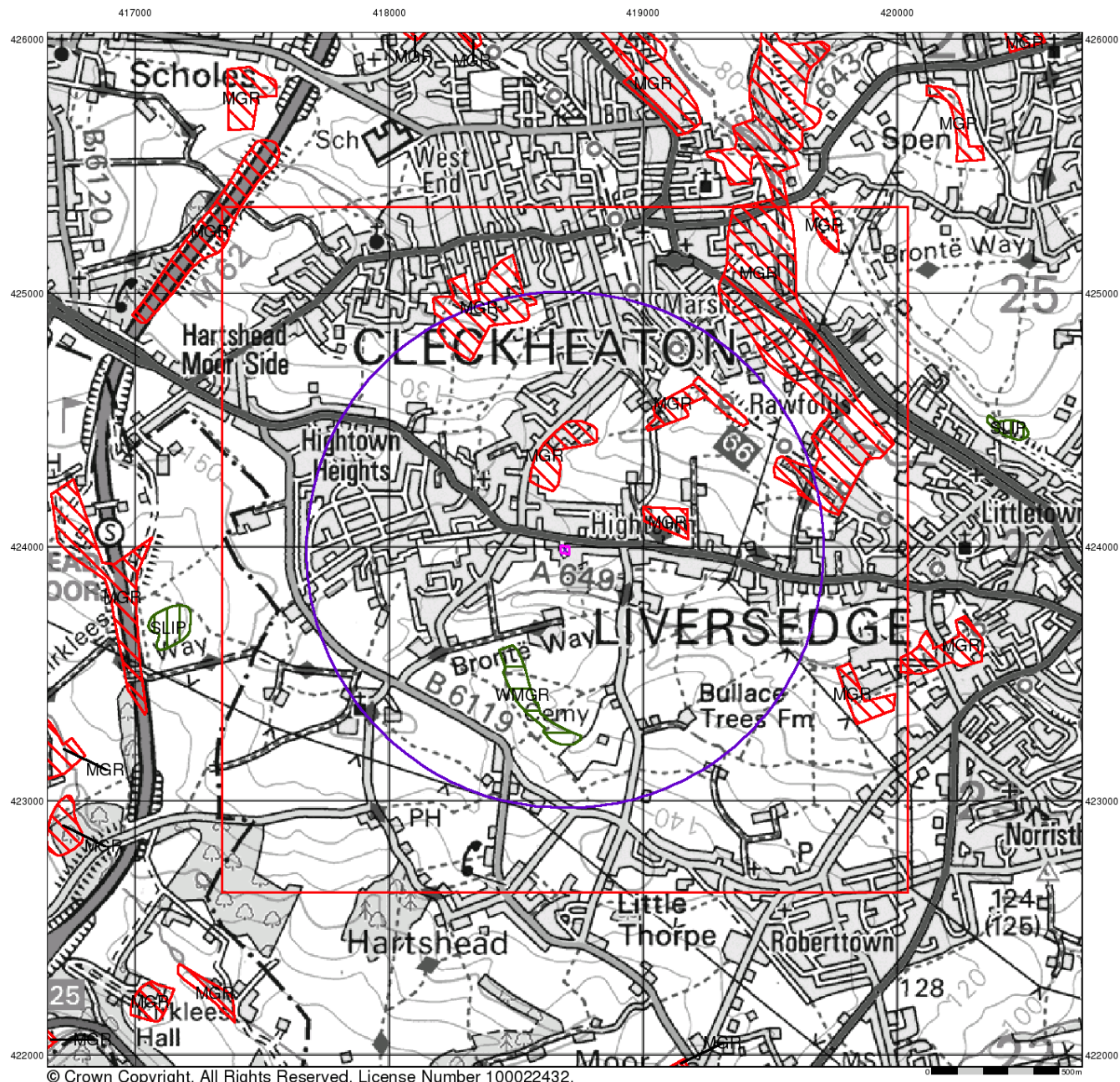
Order Number: 106470940_1_1
Customer Reference: JBB/01
National Grid Reference: 418690, 423990
Slice: A
Site Area (Ha): 0.1
Search Buffer (m): 1000

Site Details:

377 Halifax Road, LIVERSEDGE, West Yorkshire, WF15 8DU

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Artificial Ground and Landslip

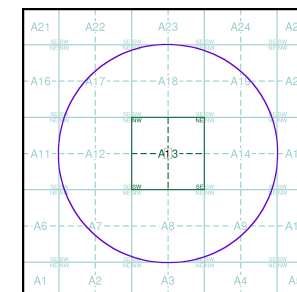
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 106470940_1_1
Customer Reference: JBB/01
National Grid Reference: 418690, 423990
Slice: A
Site Area (Ha): 0.1
Search Buffer (m): 1000

Site Details:

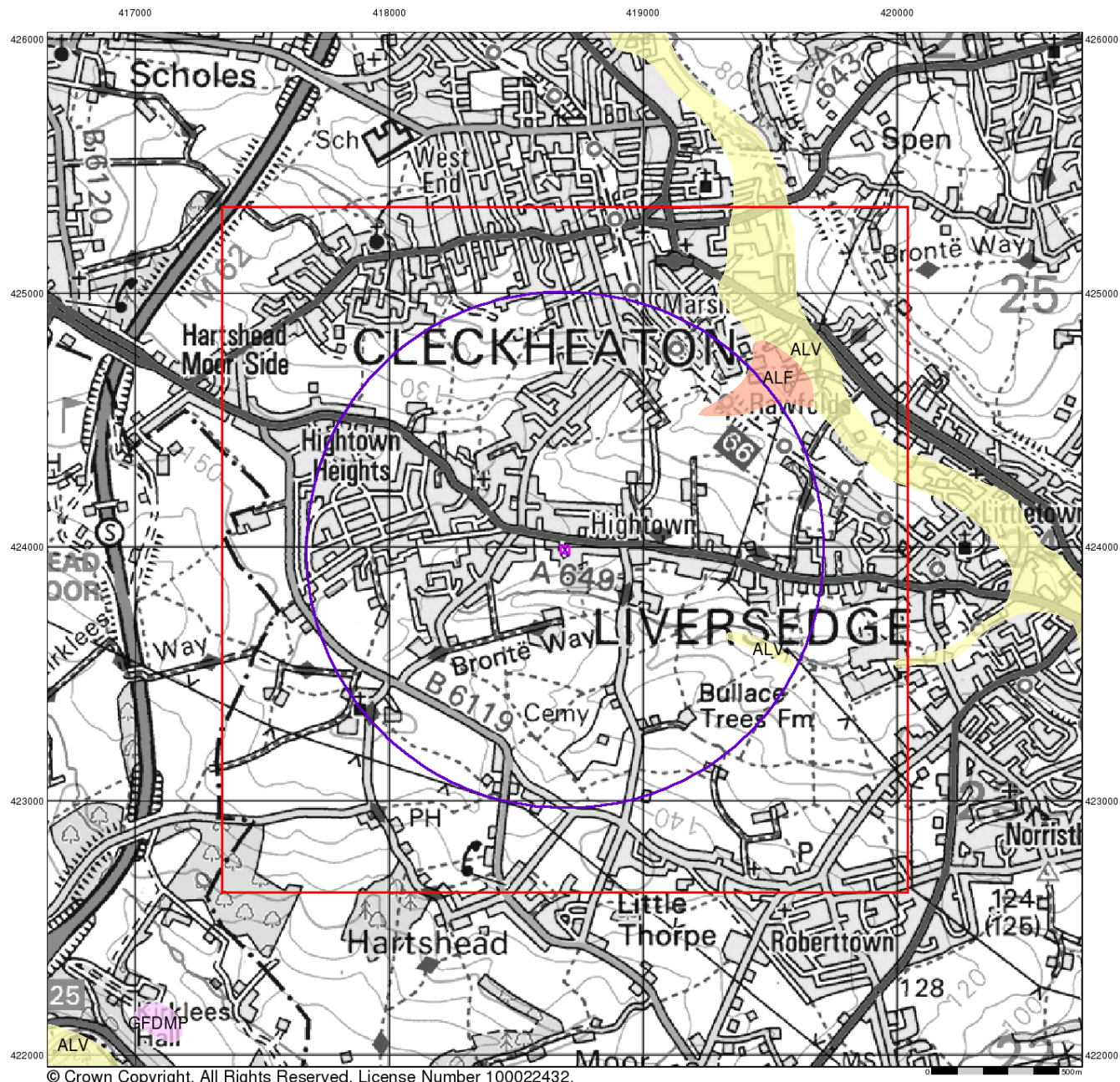
377 Halifax Road, LIVERSEDGE, West Yorkshire, WF15 8DU

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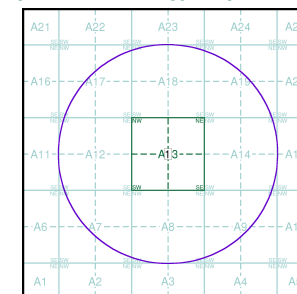
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 106470940_1_1
Customer Reference: JBB/01
National Grid Reference: 418690, 423990
Slice: A
Site Area (Ha): 0.1
Search Buffer (m): 1000

Site Details:

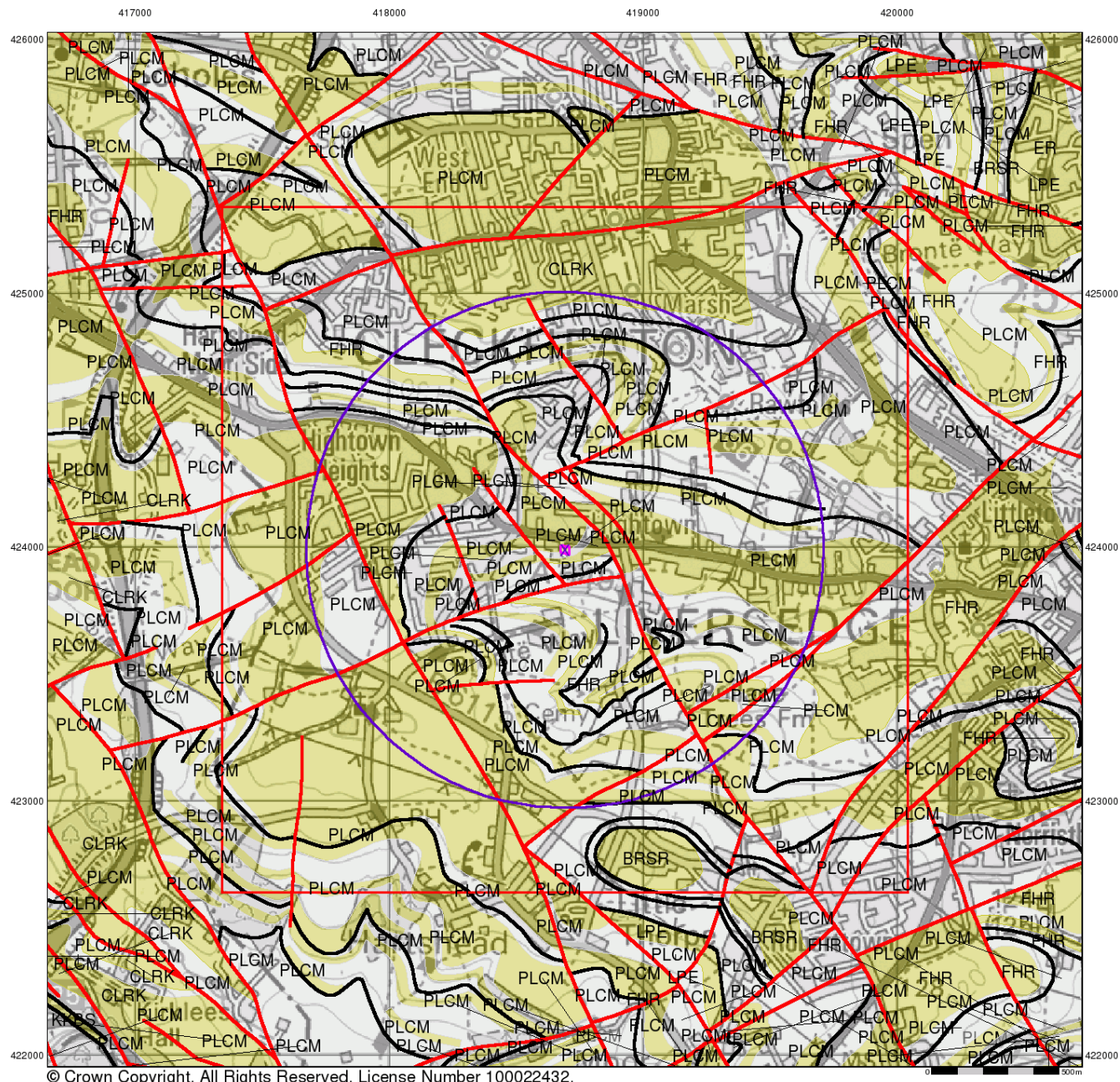
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Bedrock and Faults

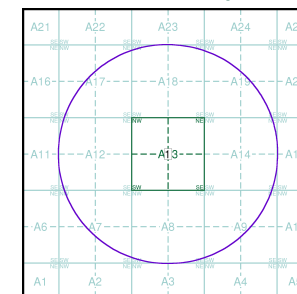
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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