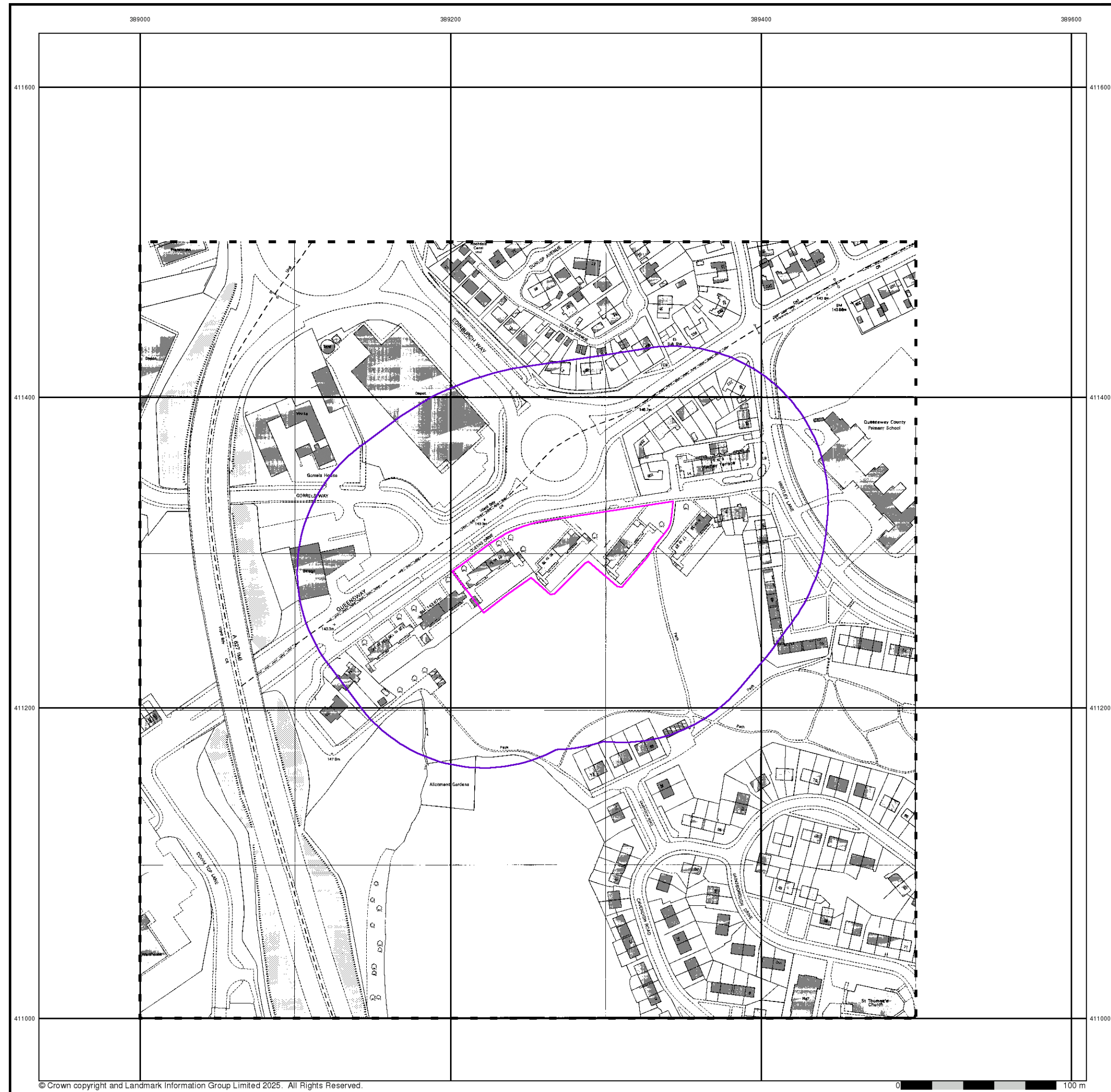




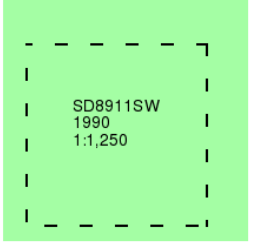
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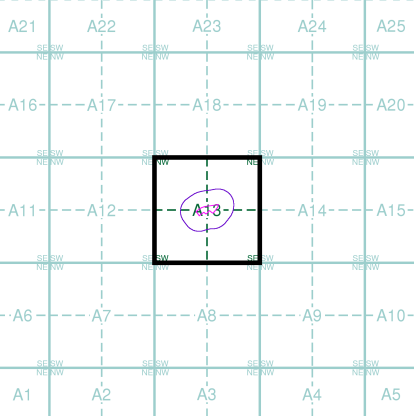
Ordnance Survey Plan
Published 1990
Source map scale - 1:1,250

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

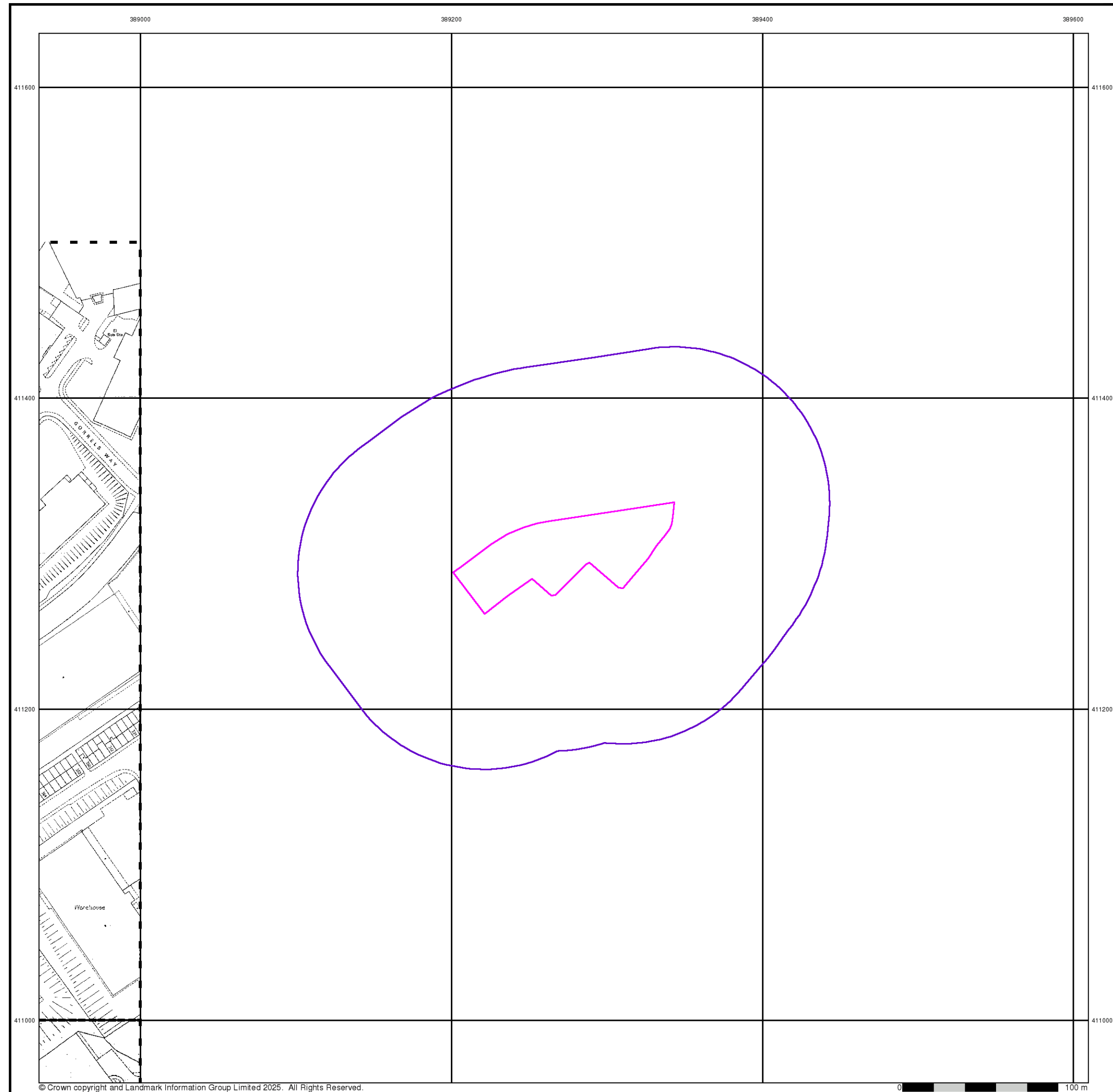
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1990

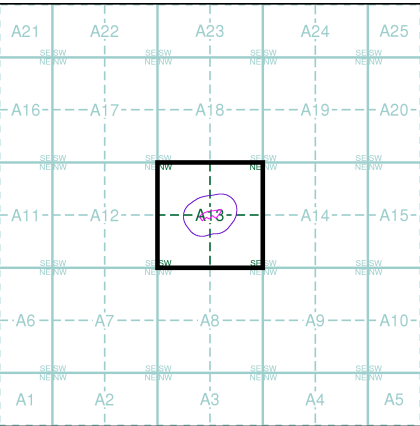
Source map scale - 1:1,250

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)

SD8811SE	
1990	
1:1,250	
SD8810NE	
1990	
1:1,250	

Historical Map - Segment A13



Order Details

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Large-Scale National Grid Data

Published 1992

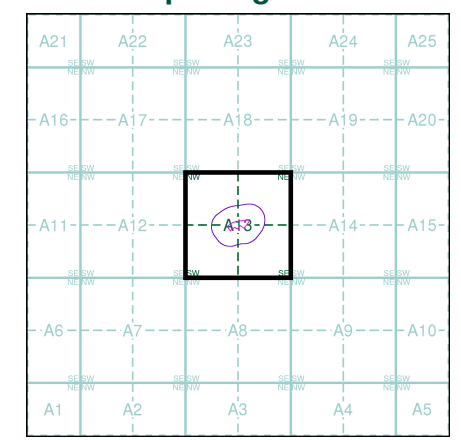
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999.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

Map Name(s) and Date(s)

SD8811NE	SD8911NW	SD8911NE
1992	1992	1992
1:1,250	1:1,250	1:1,250
SD8811SE	SD8911SW	SD8911SE
1992	1992	1992
1:1,250	1:1,250	1:1,250
SD8810NE	SD8910NW	SD8910NE
1992	1992	1992
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

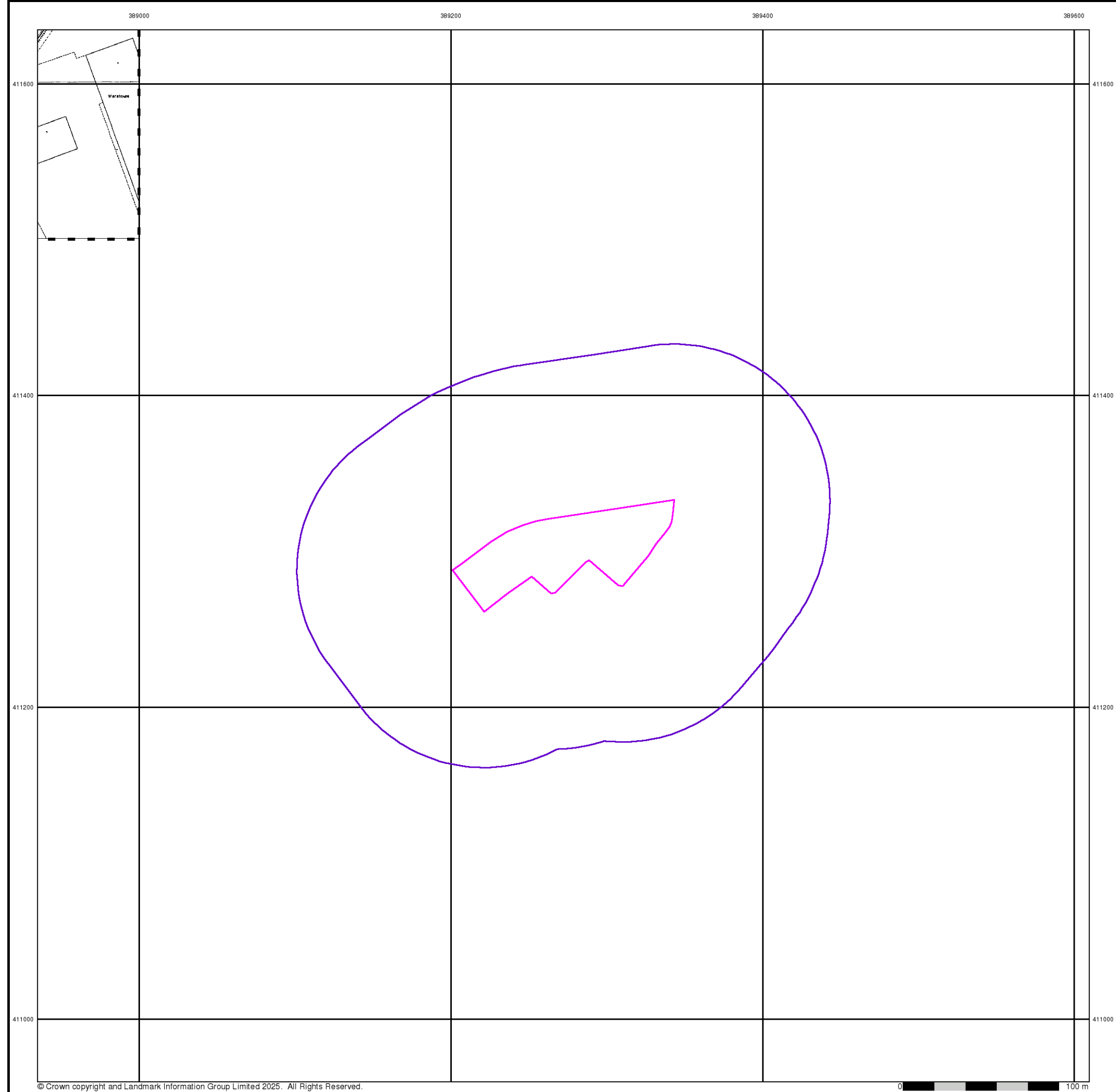
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 100

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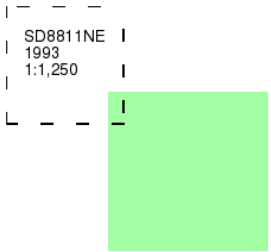
Large-Scale National Grid Data

Published 1993

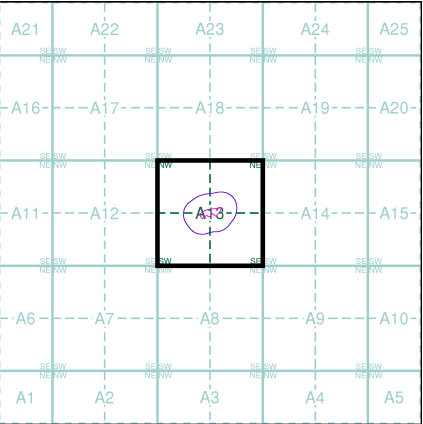
Source map scale - 1:1,250

'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: 380671801_1_1
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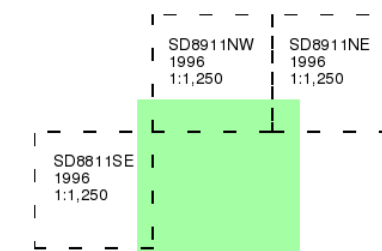
Large-Scale National Grid Data

Published 1996

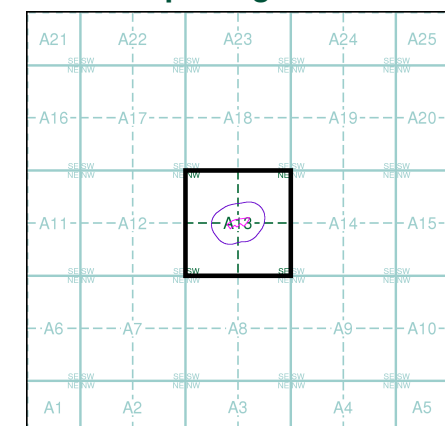
Source map scale - 1:1,250

'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

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Customer Ref: 25-446
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0 100 m

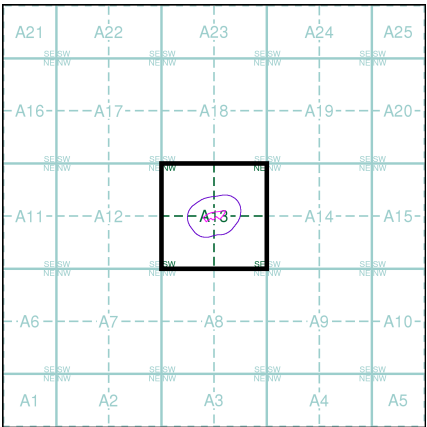


Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 380671801_1_1
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National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 100

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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		Ch
	CH		F E Sta
	FB		Fn
	GP		MP
	MS		Pol Sta
	PO		PC
	PH		SB
	Spr		TCB
	TCP		W
	Police Station		Post Office
	Public Convenience		Public House
	Signal Box		Spring
	Telephone Call Box		Telephone Call Post
	Well		

1:10,000 Raster Mapping

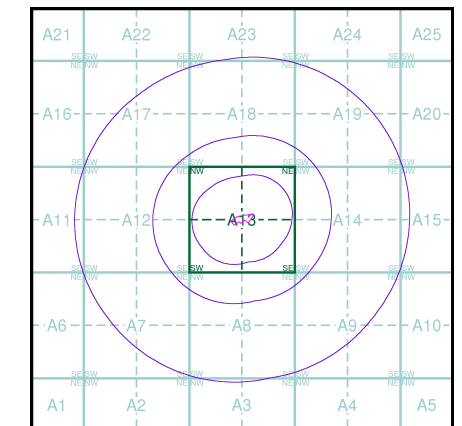
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	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	1965 - 1968	10
Ordnance Survey Plan	1:10,000	1975 - 1979	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1983 - 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: 380671801_1_1
 Customer Ref: 25-446
 National Grid Reference: 389270, 411300
 Slice: A
 Site Area (Ha): 0.51
 Search Buffer (m): 1000

Site Details

17, Queens Drive, ROCHDALE, OL11 2NP

Landmark
 INFORMATION GROUP

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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

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

SD81_Manchester

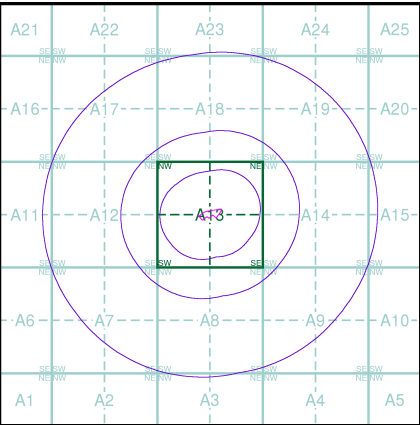
No.	Description
8	Industrial Buildings (Use Unknown)
108	Mill (Flour)
134	Foundry (Cast Iron)



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	1965 - 1968	10
Ordnance Survey Plan	1:10,000	1975 - 1979	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1983 - 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

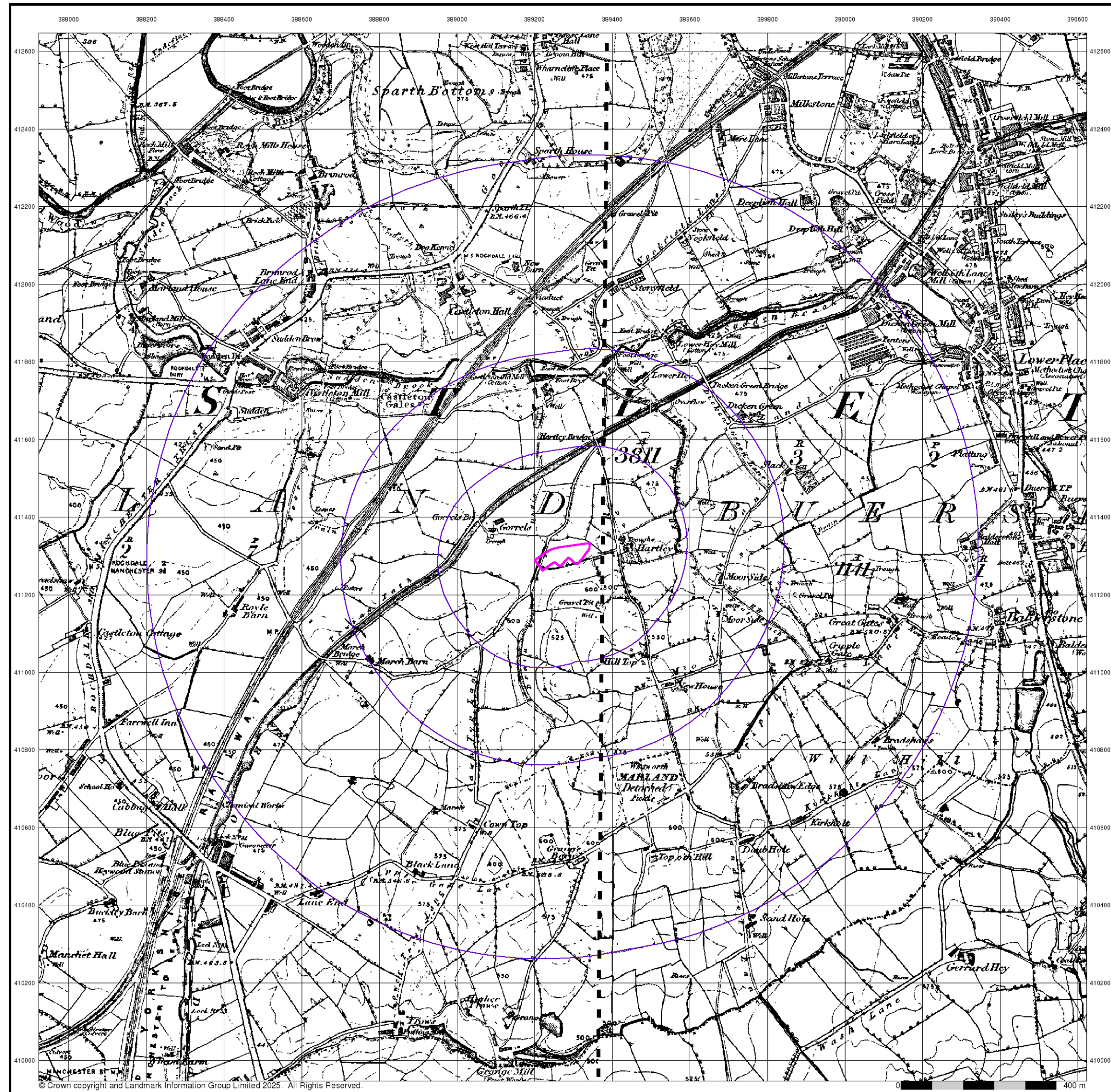
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

17, Queens Drive, ROCHDALE, OL11 2NP



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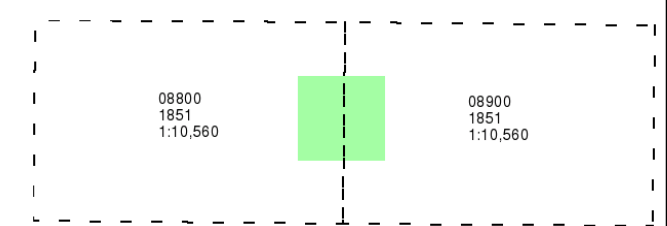
Lancashire And Furness

Published 1851

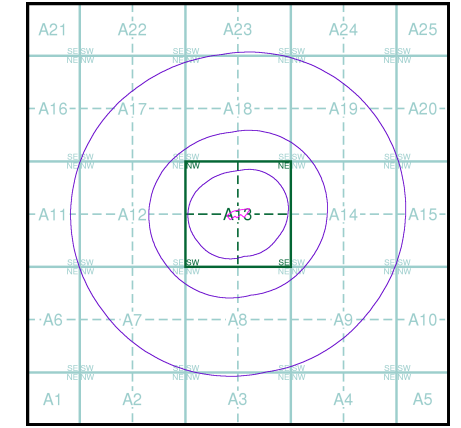
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

Order Number: 380671801_1_1
Customer Ref: 25-446
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Slice: A
Site Area (Ha): 0.51
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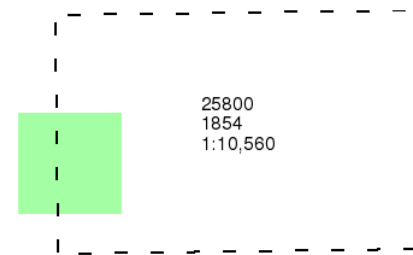
Yorkshire

Published 1854

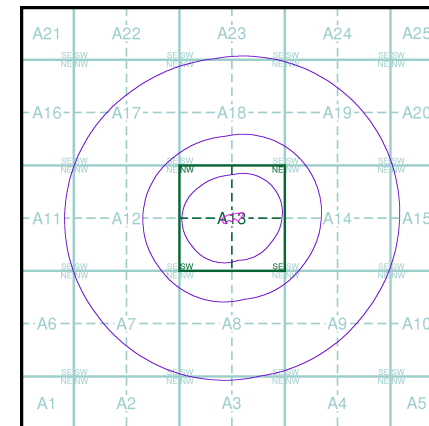
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

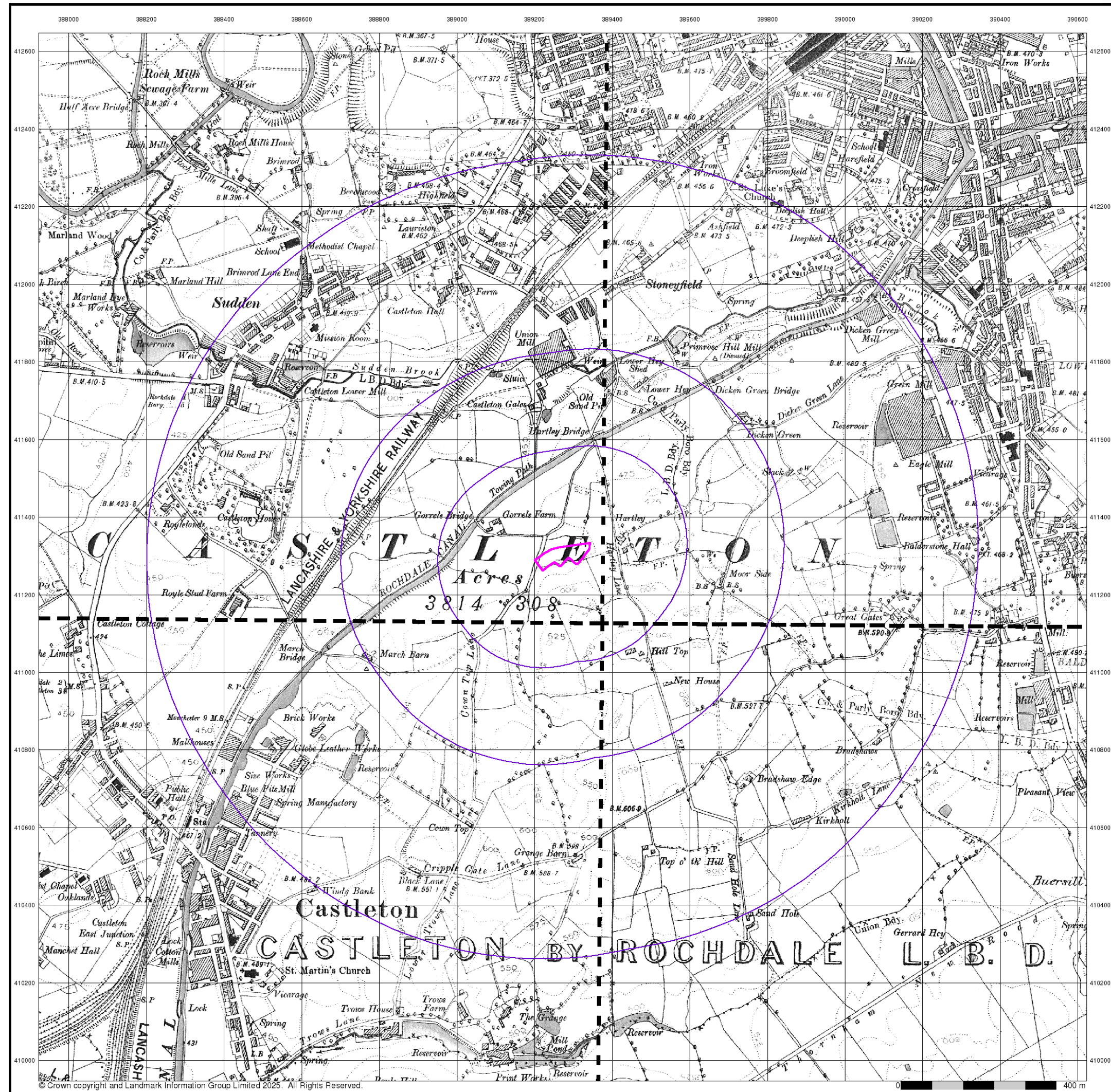
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
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Lancashire And Furness

Published 1894

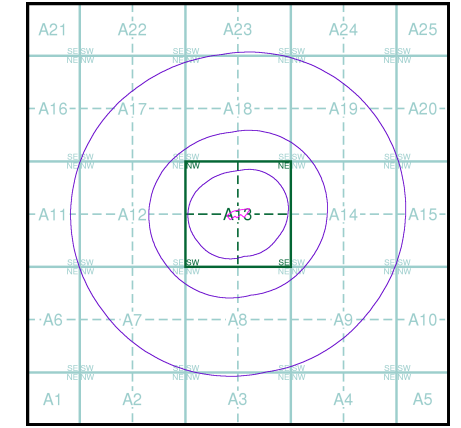
Source map scale - 1:10,560

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)

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

Historical Map - Slice A



Order Details

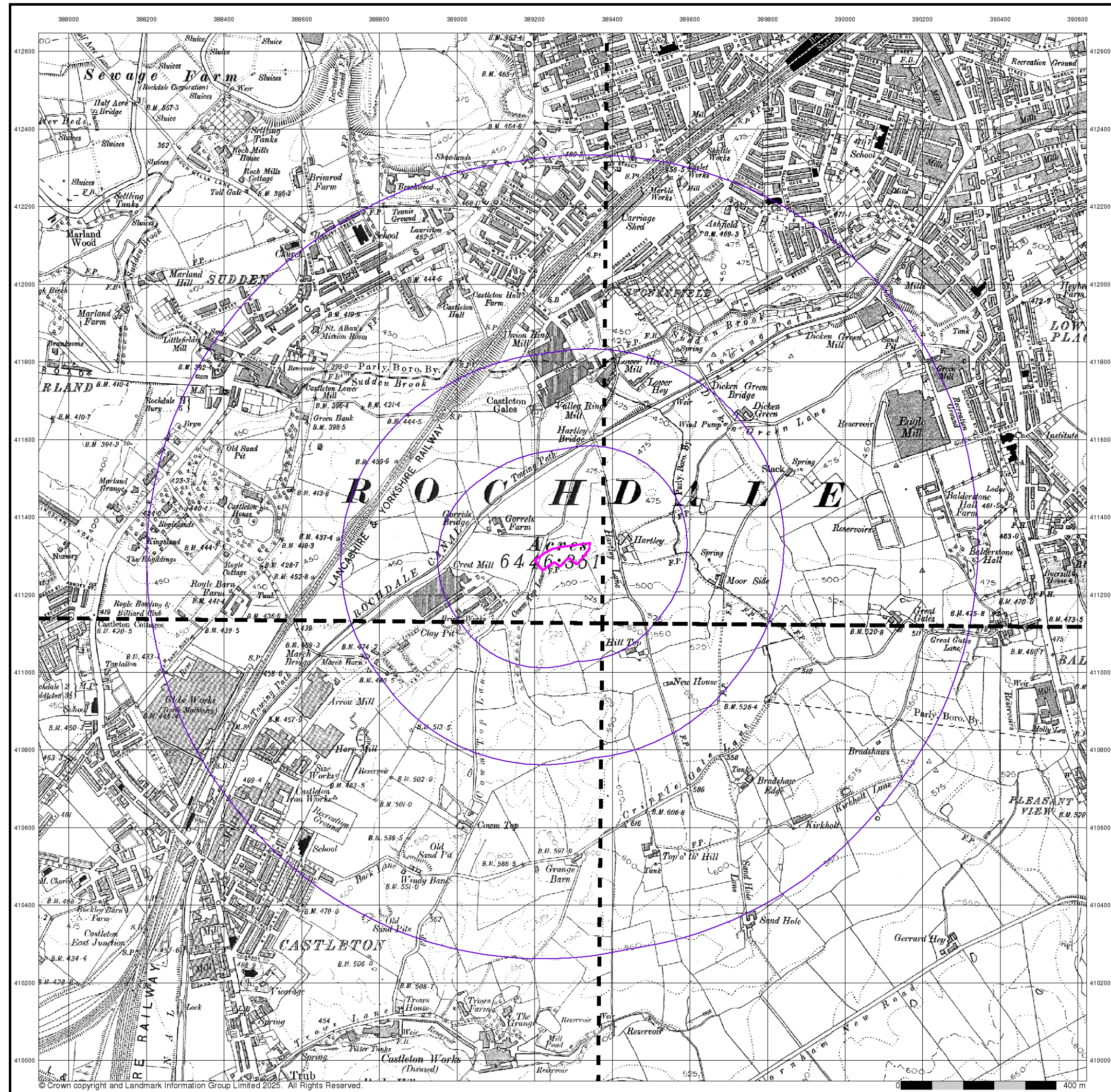
Order Number: 380671801_1_1
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Lancashire And Furness

Published 1910 - 1911

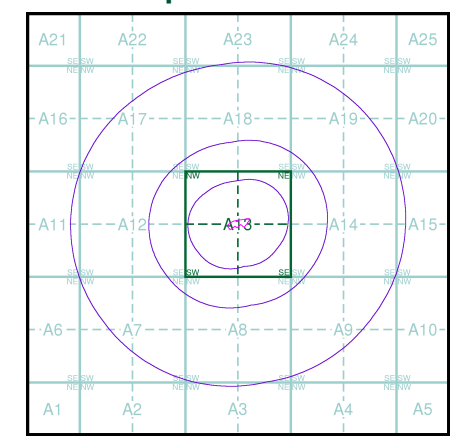
Source map scale - 1:10,560

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)

088NE 1911 1:10,560	089NW 1910 1:10,560
088SE 1910 1:10,560	089SW 1910 1:10,560

Historical Map - Slice A



Order Details

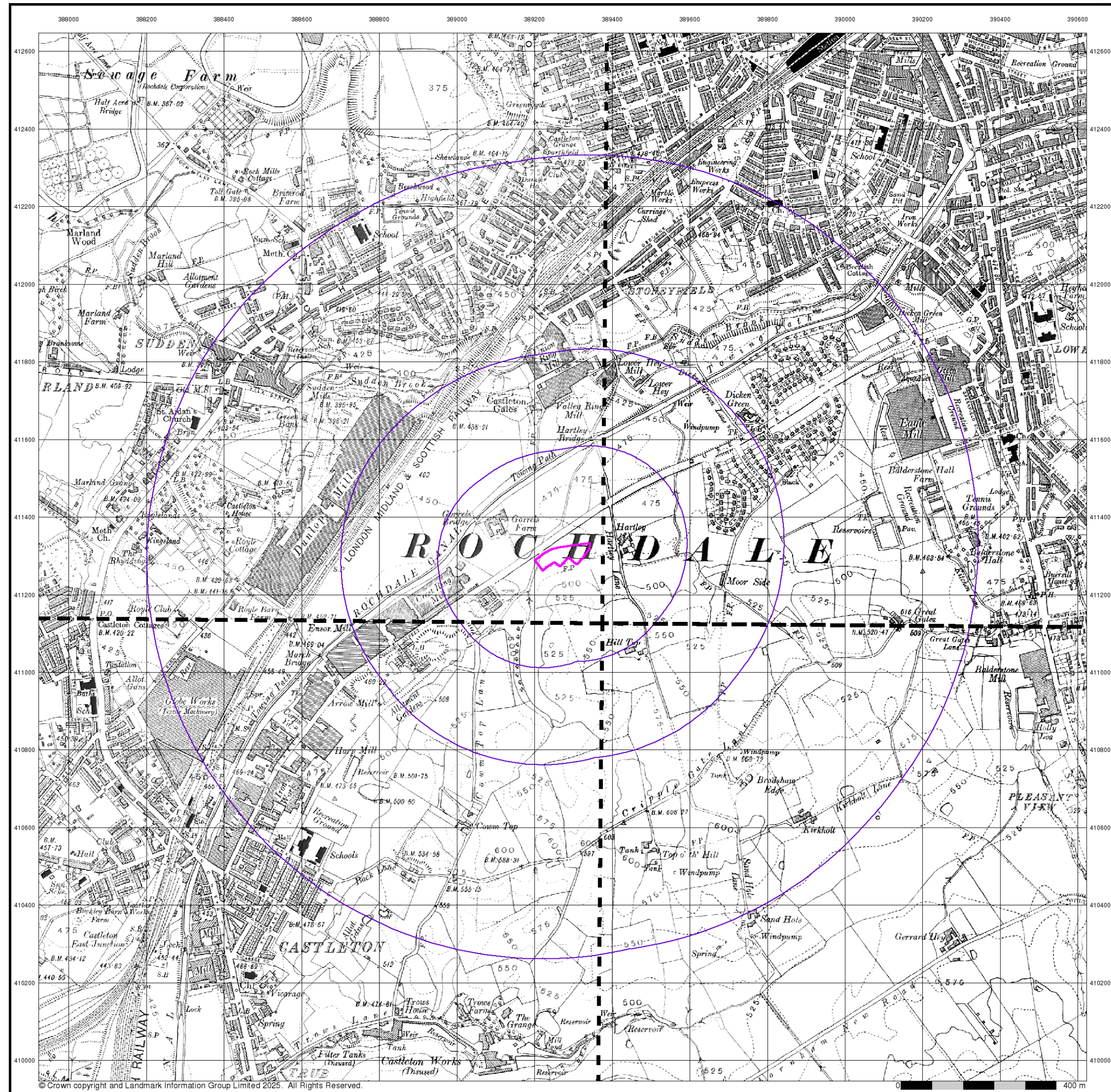
Order Number: 380671801_1_1
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Search Buffer (m): 1000

Site Details

17, Queens Drive, ROCHDALE, OL11 2NP



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



Lancashire And Furness

Published 1931 - 1932

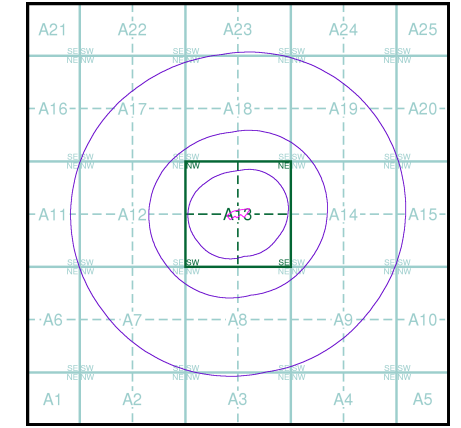
Source map scale - 1:10,560

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)

088NE 1932 1:10,560	089NW 1931 1:10,560
088SE 1932 1:10,560	089SW 1931 1:10,560

Historical Map - Slice A



Order Details

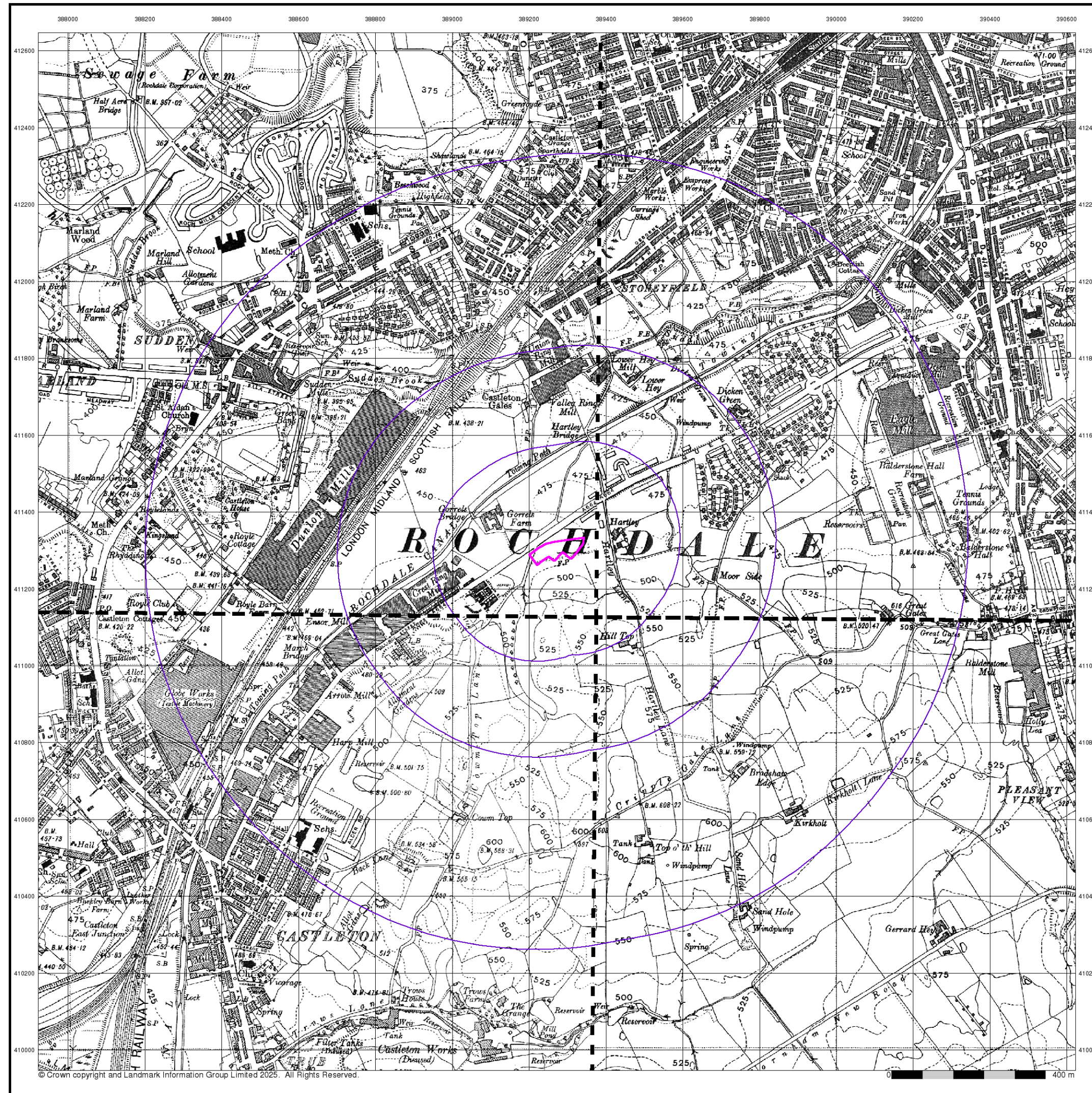
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1938

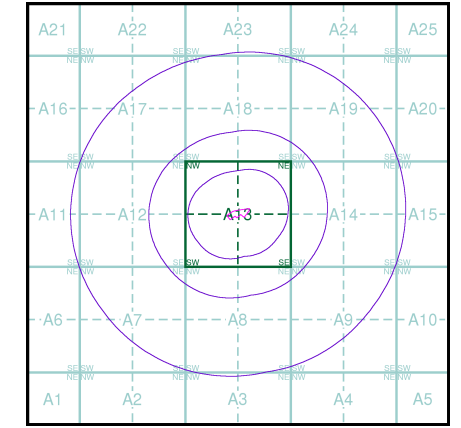
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

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

Historical Map - Slice A



Order Details

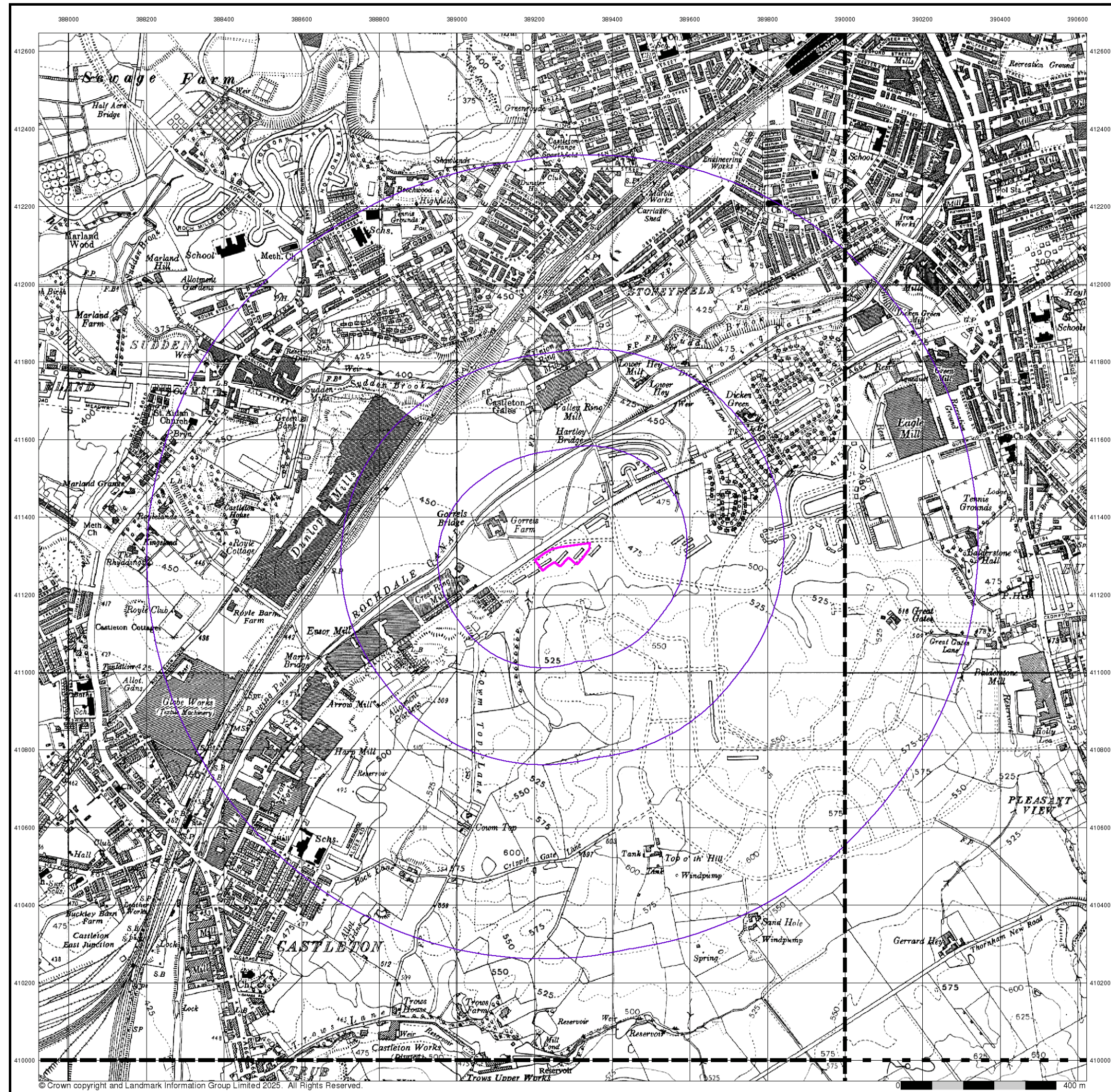
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

17, Queens Drive, ROCHDALE, OL11 2NP



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Ordnance Survey Plan

Published 1956

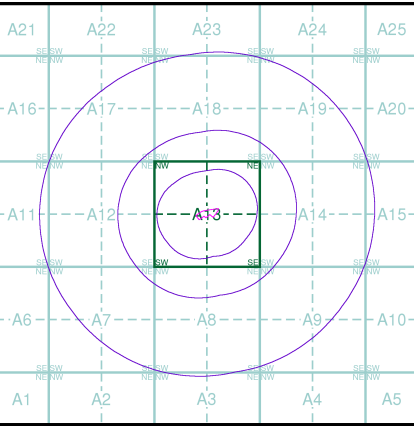
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE	SD91SW
1956	1956
1:10,560	1:10,560
SD80NE	SD90NW
1956	1956
1:10,560	1:10,560

Historical Map - Slice A



Order Details

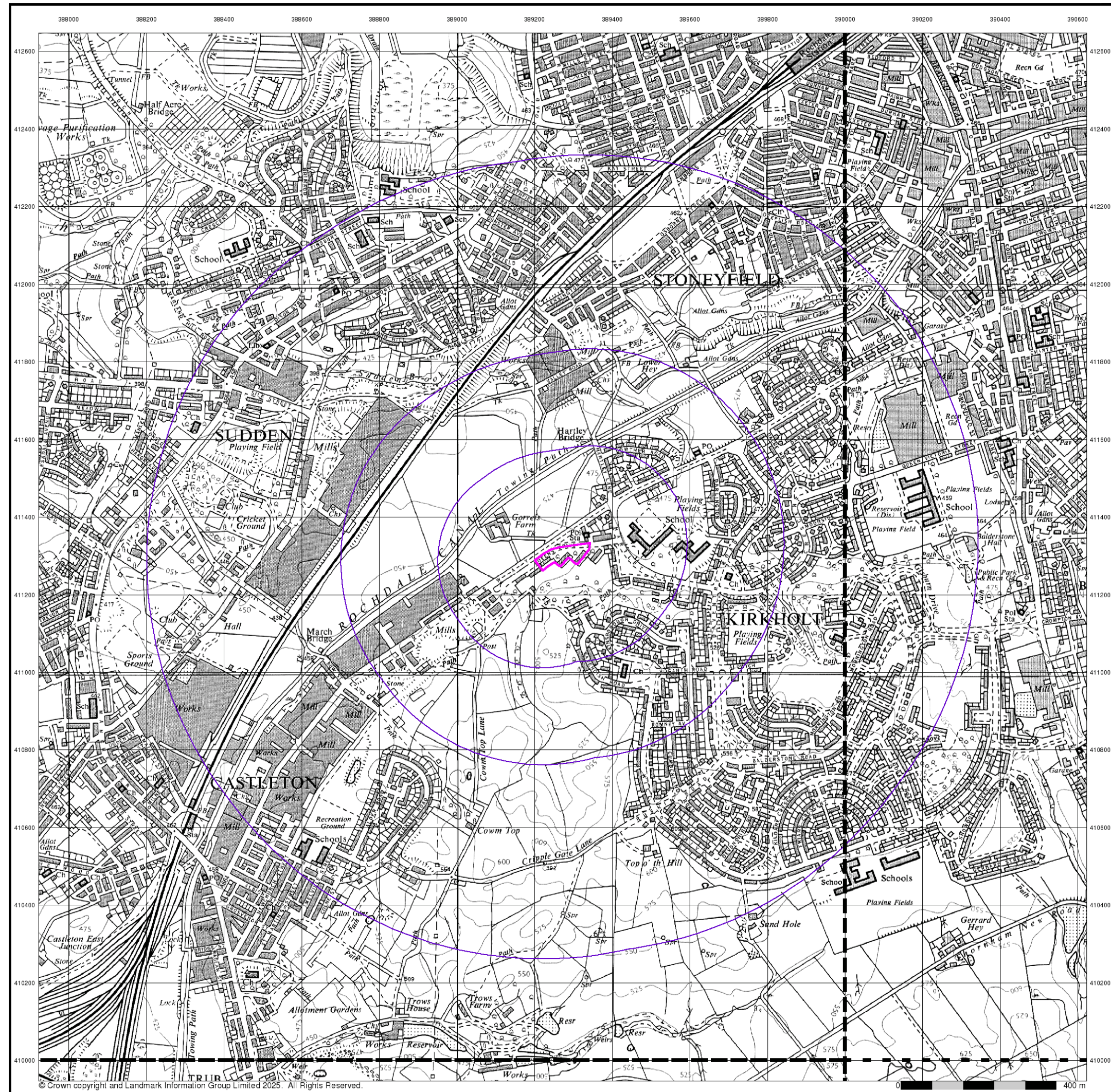
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

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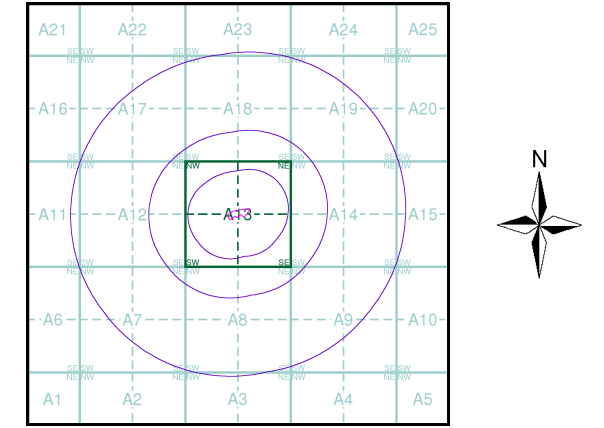
Ordnance Survey Plan
Published 1965 - 1968
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

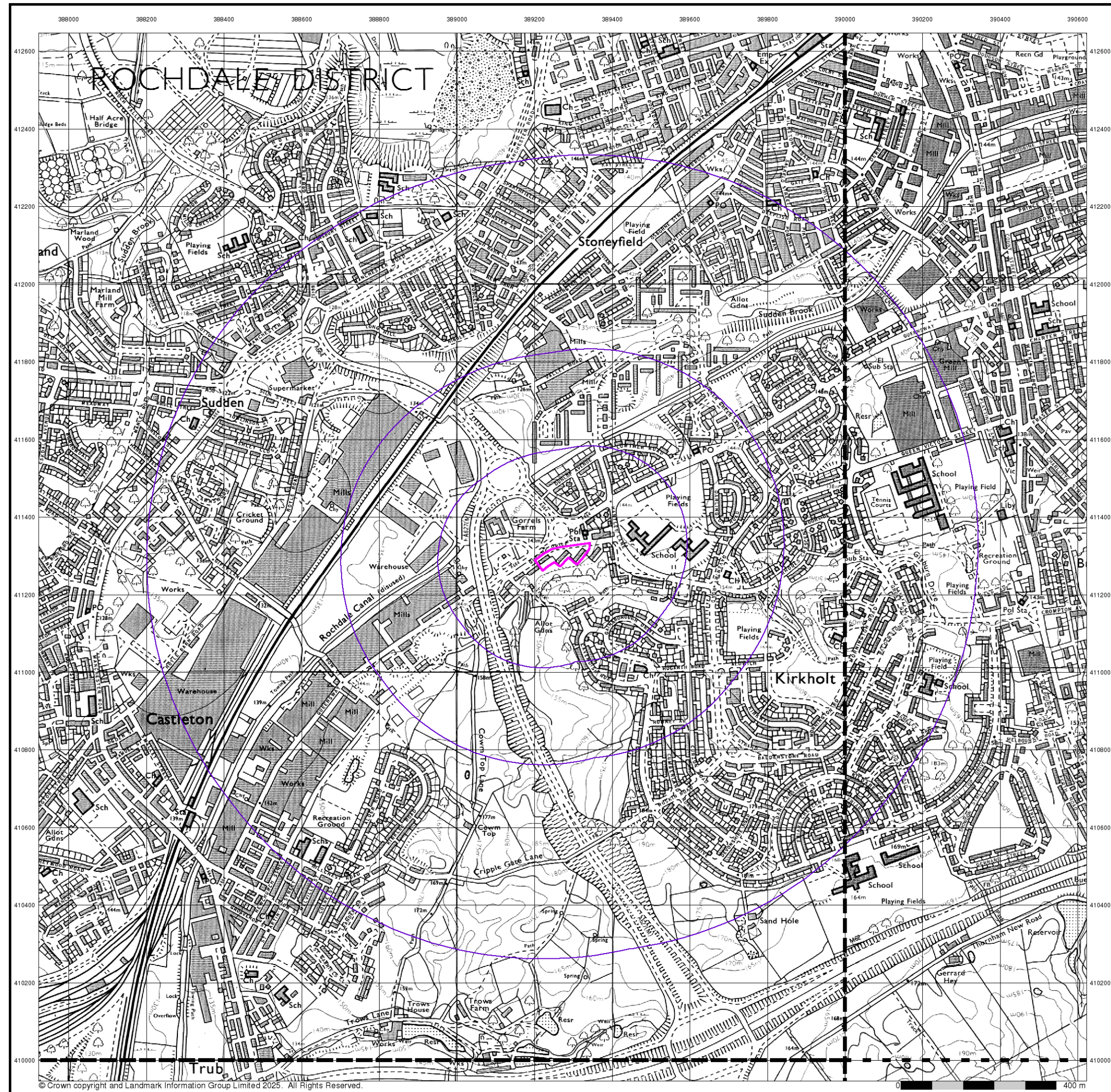
SD81SE	SD91SW
1968	1967
1:10,560	1:10,560
SD80NE	SD90NW
1965	1966
1:10,560	1:10,560

Historical Map - Slice A



Order Details
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details
17, Queens Drive, ROCHDALE, OL11 2NP



Ordnance Survey Plan

Published 1975 - 1979

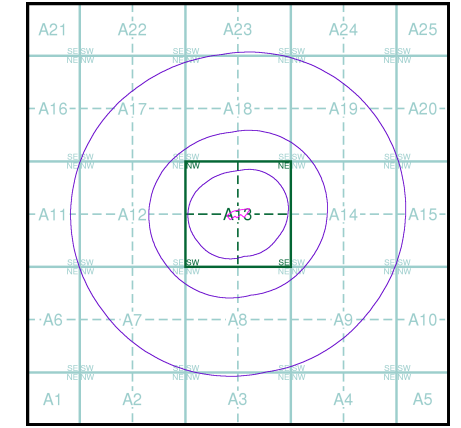
Source map scale - 1:10,000

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)

SD81SE	SD91SW
1977	1979
1:10,000	1:10,000
SD80NE	SD90NW
1977	1975
1:10,000	1:10,000

Historical Map - Slice A



Order Details

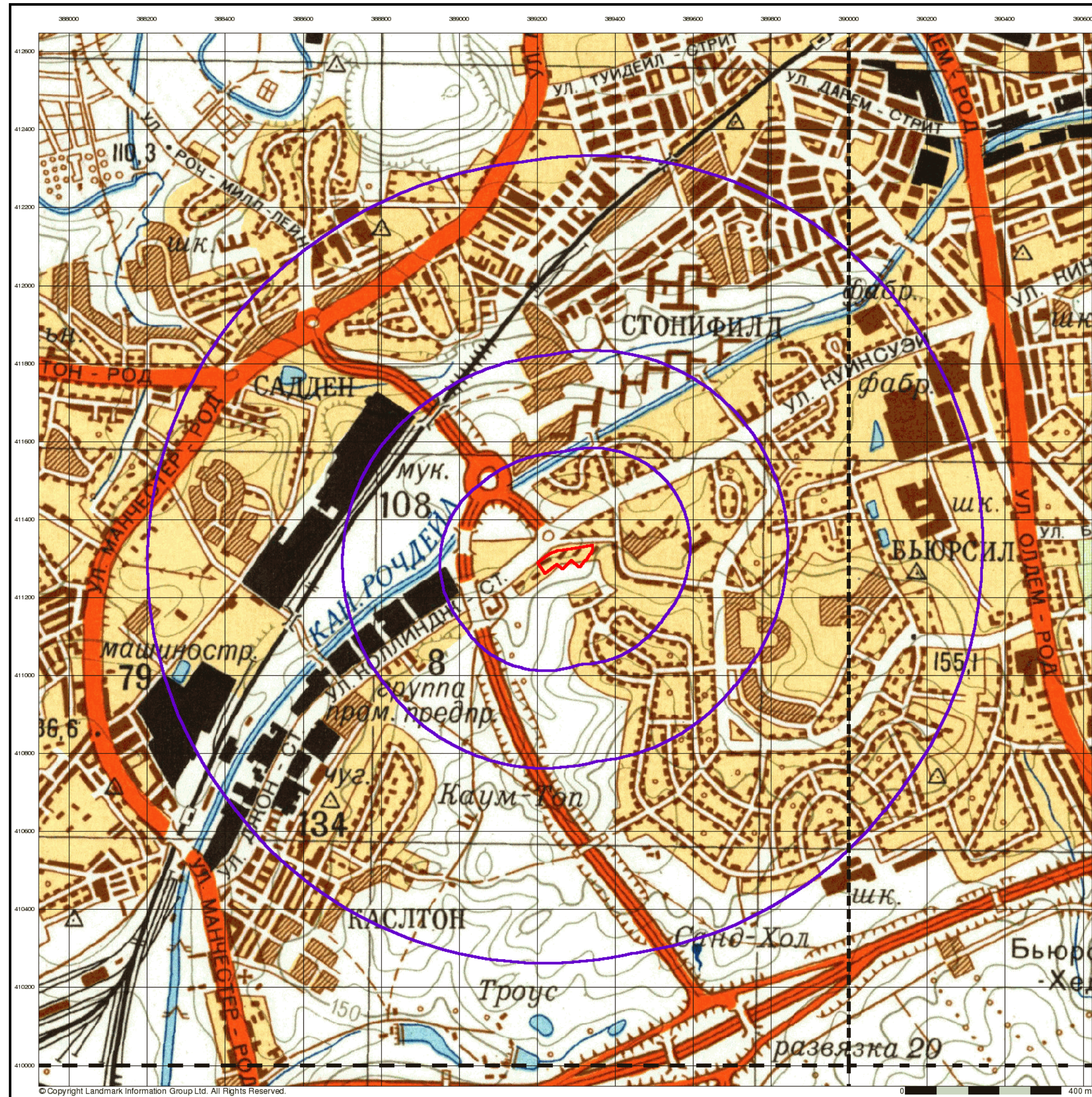
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

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Manchester

Published 1975

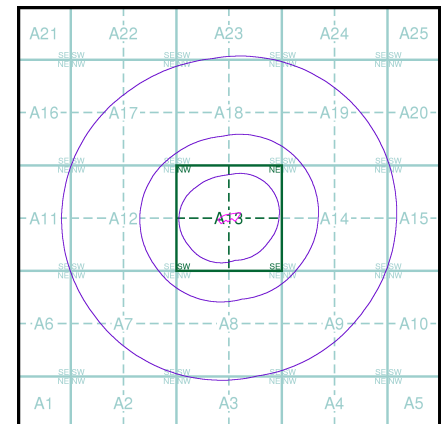
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SD81 1975 1:25,000	SD91 1975 1:25,000
SD80 1975 1:25,000	SD90 1975 1:25,000

Russian Map - Slice A



Order Details

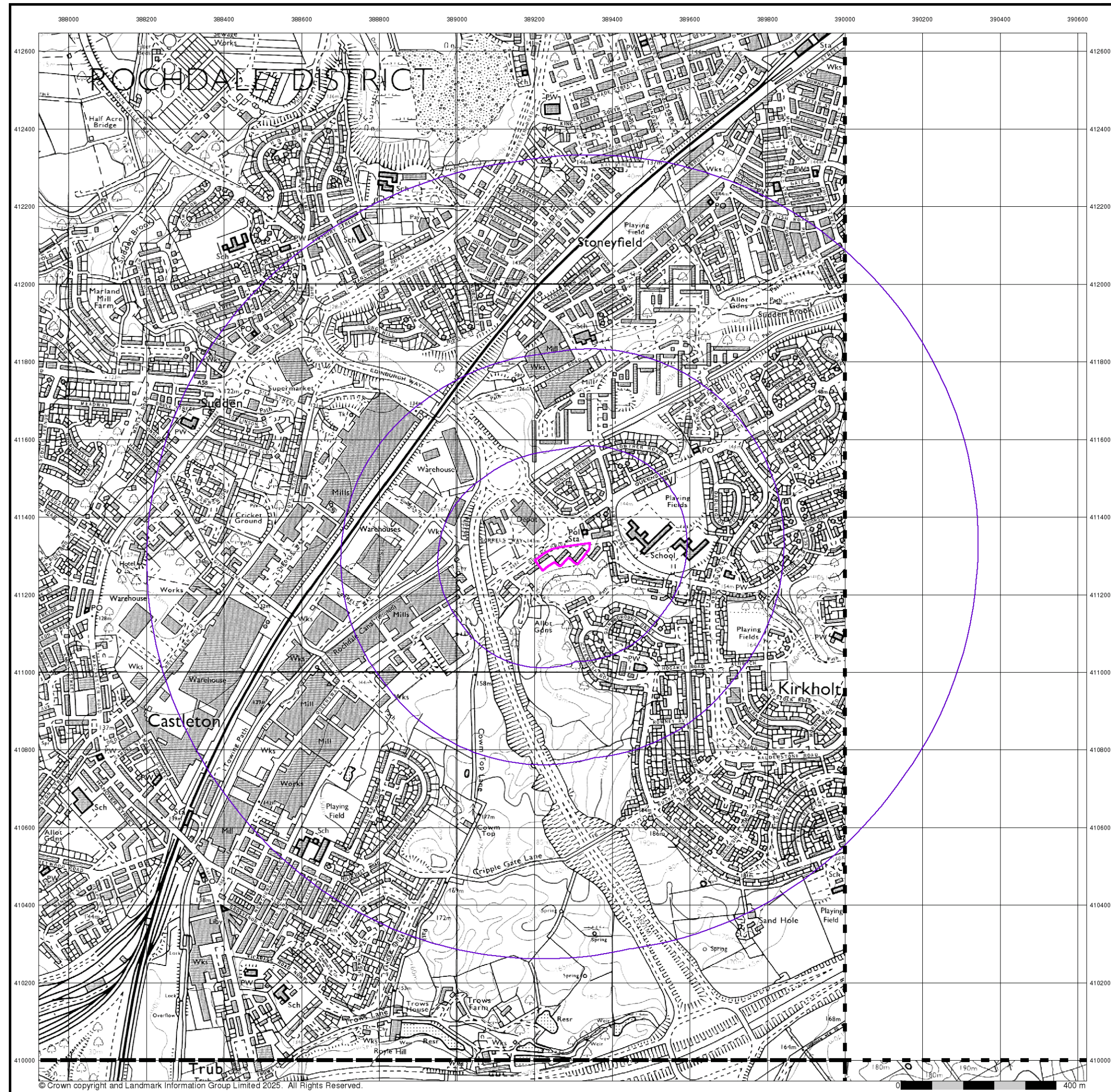
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1983 - 1988

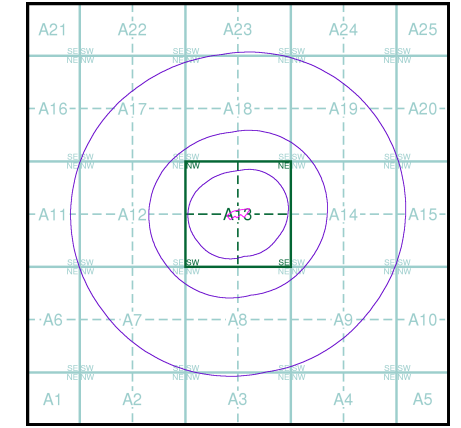
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE	1988	1:10,000
SD80NE	1984	1:10,000
SD90NW	1983	1:10,000

Historical Map - Slice A



Order Details

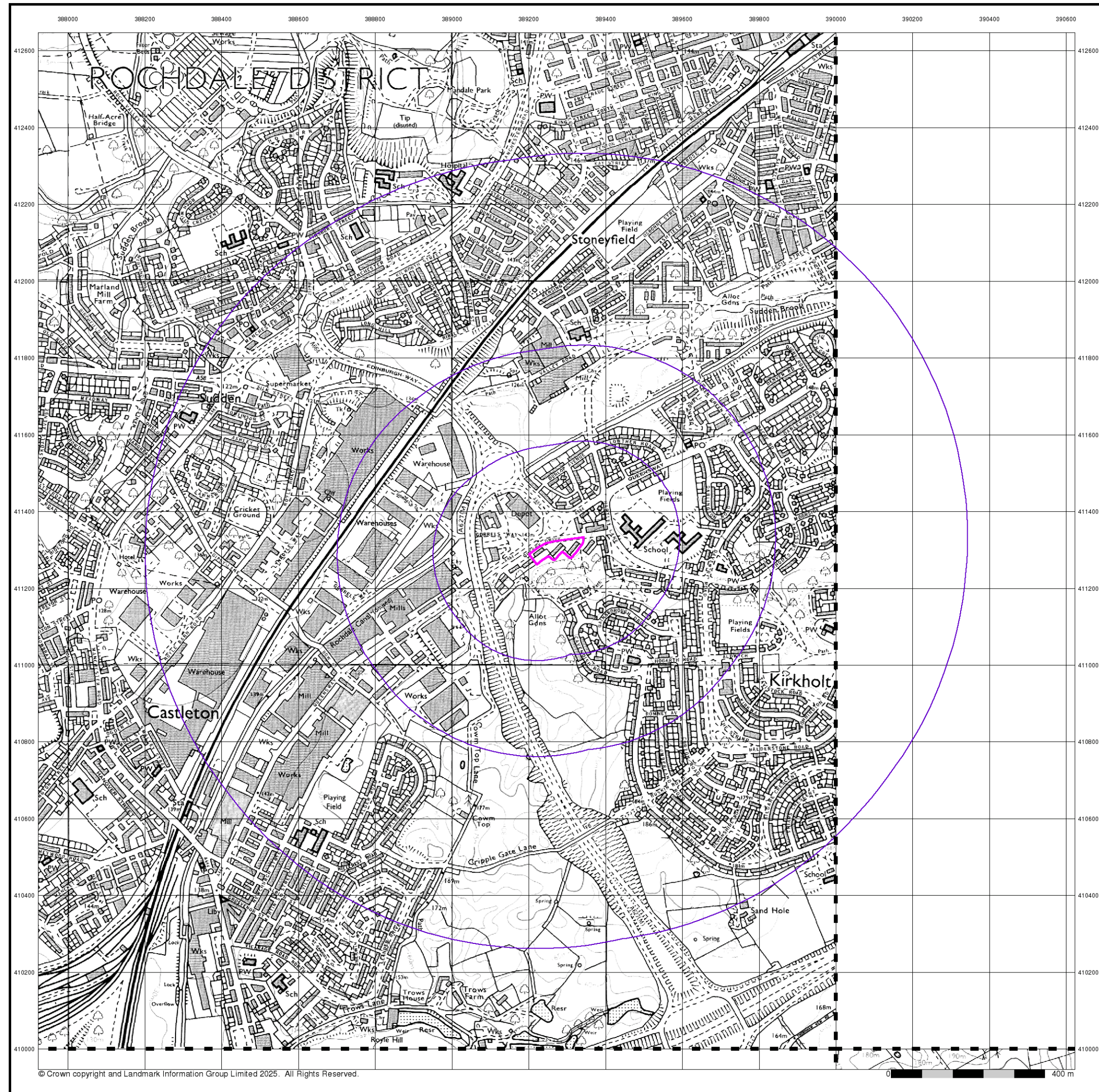
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1990 - 1993

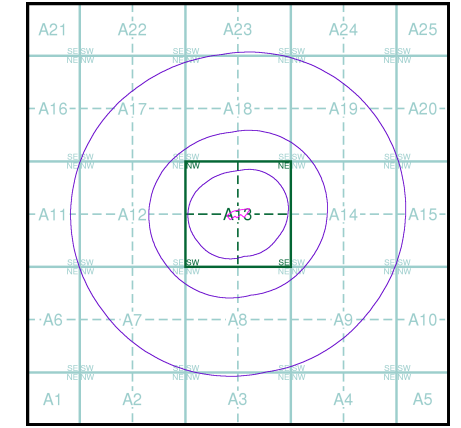
Source map scale - 1:10,000

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)

SD81SE	1993	1:10,000
SD90NW	1990	1:10,000

Historical Map - Slice A



Order Details

Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

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10k Raster Mapping

Published 1999

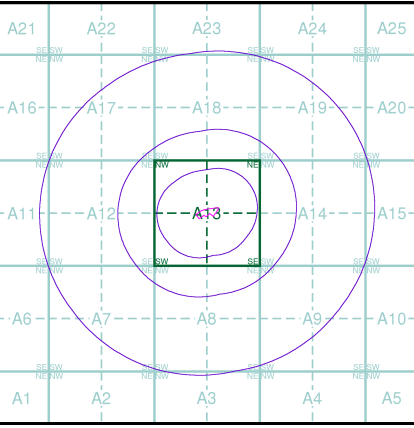
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE	SD91SW
1999	1999
1:10,000	1:10,000
SD80NE	SD90NW
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

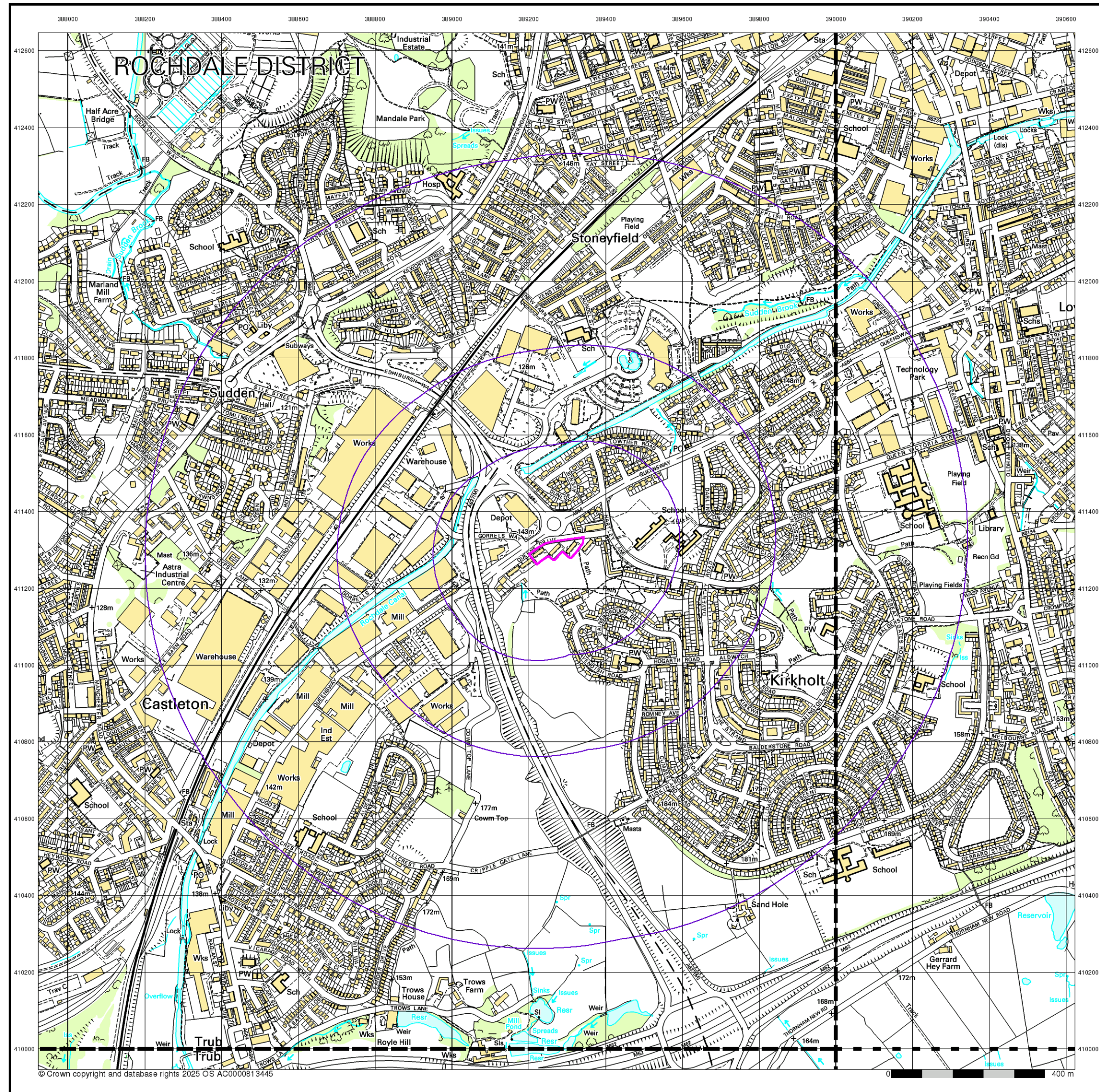
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

17, Queens Drive, ROCHDALE, OL11 2NP



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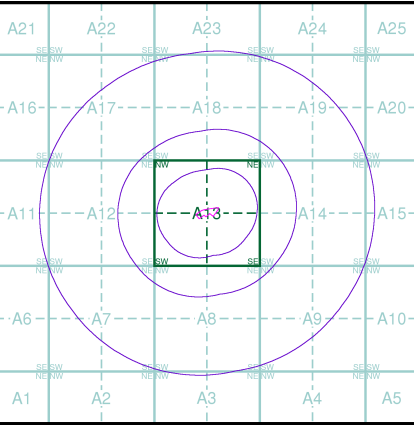
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE	SD91SW
2006	2006
1:10,000	1:10,000
SD80NE	SD90NW
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details
17, Queens Drive, ROCHDALE, OL11 2NP



VectorMap Local

Published 2024

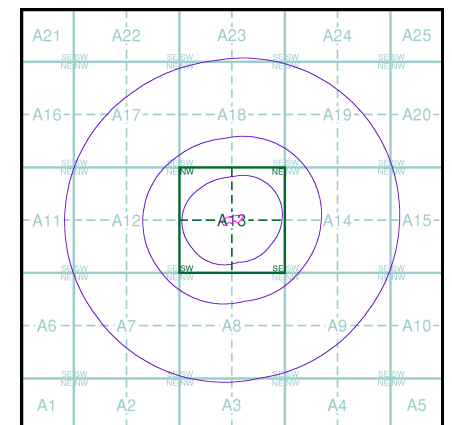
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE	SD91SW
2024	2024
Variable	Variable
SD80NE	SD90NW
2024	2024
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

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INFORMATION GROUP

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APPENDIX IV

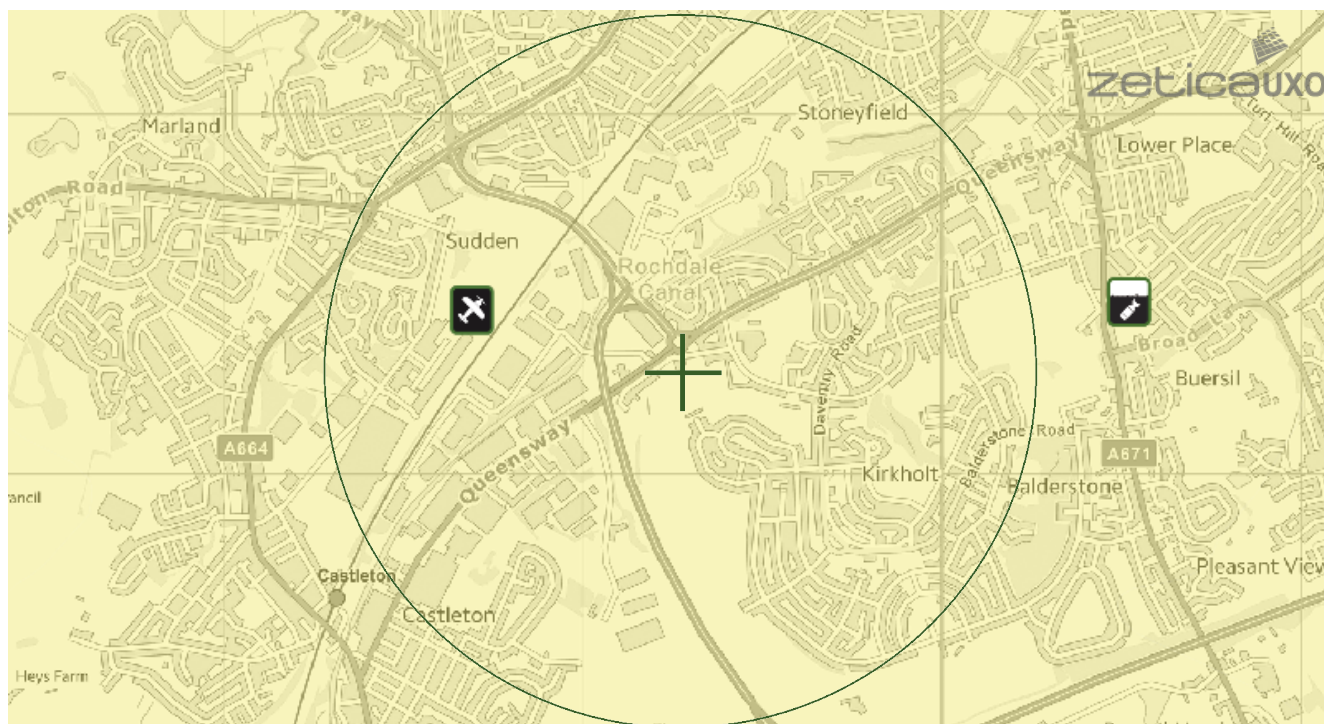
Zetica UXO Risk Report

UNEXPLODED BOMB RISK MAP



SITE LOCATION

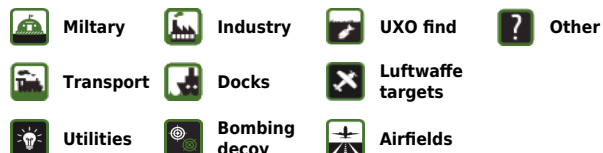
Map Centre: 389242,411290



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.



How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682 email: uxo@zetica.com web: www.zeticauxo.com

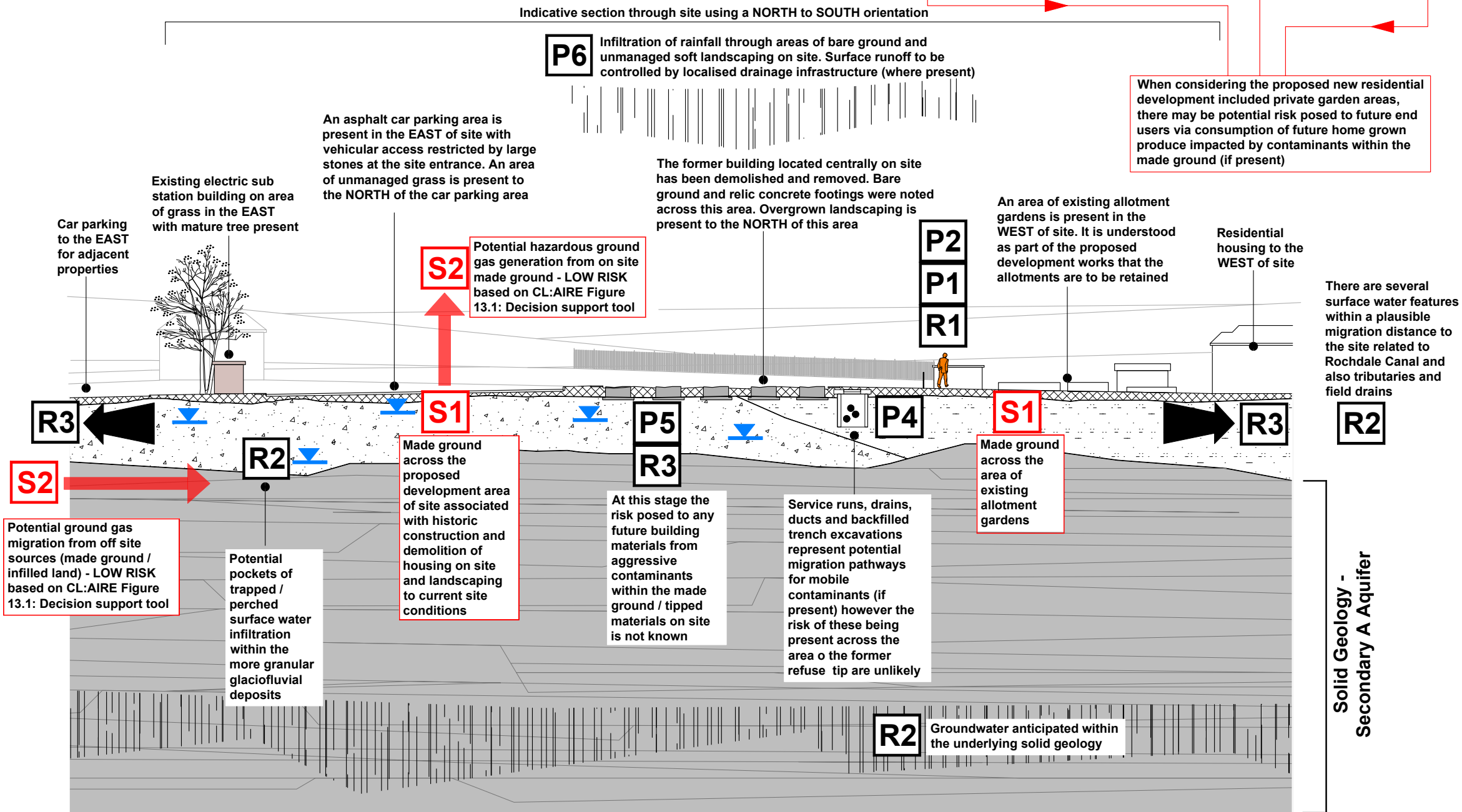
The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

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APPENDIX V

Conceptual Site Model (CSM)

CRITICAL POLLUTANT LINKAGES					
SOURCE	1. Made ground associated historical use including any construction / demolition debris (from historical buildings on site) and fly tipping and 'ashy' allotment waste 2. Potential hazardous ground gas associated with off site sources (i.e. infilled land)	PATHWAY	1. Ingestion & Dermal Contact 2. Air – Inhalation of vapours (indoor & outdoors) and contact with dust generated through the construction works 3. Plant Uptake and attached soil 4. Migration through existing service corridors 5. Direct contact with building materials 6. Surface runoff & Infiltration	RECEPTOR	1. Human Health - End users – residential (and construction workforce) 2. Controlled Waters: Groundwater – anticipated within the underlying bedrock (PLCM) and Glaciofluvial deposits (Secondary Aquifer - A) and superficial strata (Glacial Till) (Secondary Aquifer – undifferentiated). There are several surface water features within a plausible migration distance to the site related to Rochdale Canal and also tributaries and field drains 3. Adjacent sites 4. Building materials & protection of water supply pipes 5. Flora and fauna



When considering the proposed new residential development included private garden areas, there may be potential risk posed to future end users via consumption of future home grown produce impacted by contaminants within the made ground (if present)

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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rev.	date	amendments	drawn	chckd

Client:
ADEPT CONSULTING ENGINEERS

Project Title:
Proposed Residential Development
Queens Drive
Kirkhale, Rochdale, OL11 2NP

Drawing Title:
Conceptual Site Model

Scale at A3: NTS @ A3	Date: 28.07.25	Drawn by: P.D	Approved by: G.W
--------------------------	-------------------	------------------	---------------------

Job Ref: 25-446	Drg no: -	Rev: -
--------------------	--------------	-----------

STRATA DETAILS

MADE GROUND:
In accordance with the published BGS maps, significant thicknesses of made ground are not shown to directly encroach the site. However made ground deposits are expected to be present beneath the site, from the construction and demolition of the former buildings that occupied the site, comprising a mixture of disturbed natural strata (clays etc.) and anthropogenic debris (brick etc.). In addition there may be associated relic foundations and also an area of disturbed ground from the construction of the recent electrical substation. The western portion of the site is comprised by allotment gardens likely to contain 'ashy' waste

TILL
The published BGS plans and data indicate the western portion of the site is underlain by Glacial Till (undifferentiated) deposited during the Pleistocene Epoch (Devensian). The Glacial Till is anticipated to comprise firm to stiff slightly sandy slightly gravelly clay, with cobbles and sand lenses. The eastern portion of the site is comprised of Glaciofluvial Deposits of sands and gravel with silt and clay lenses and occasional boulders

SOLID GEOLOGY:
According to published BGS data, the site is underlain by the Pennine Lower Coal Measures Formation (PLCM) of Carboniferous Period. These undifferentiated deposits typically comprise interbedded cyclical alternations of mudstone, siltstone, sandstones and coal seams with seatearths and ironstone bands.

The published geological information indicates there is no faulting within the site boundary