

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

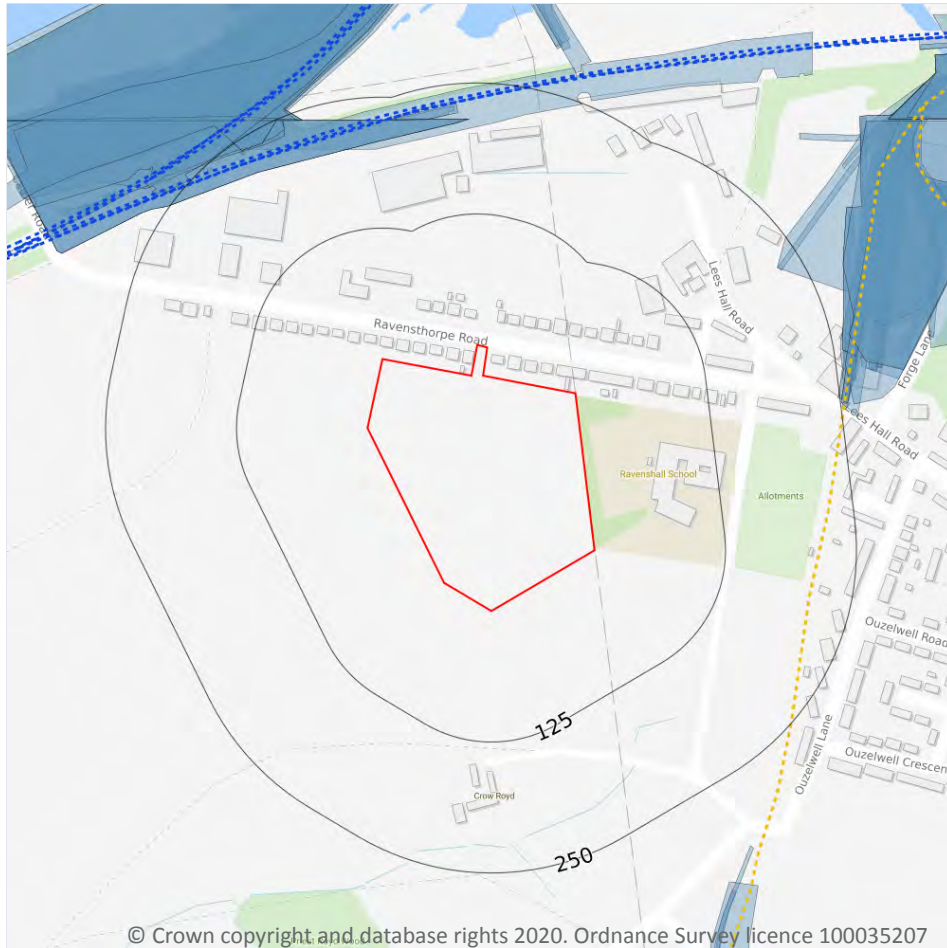
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1** Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 1 Worksites
- C2** Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- 🚂 Railway stations
- ⋯ Active railways
- ⋯ Active tunnels
- ⋯ Abandoned railways
- Historic railways
- Historic tunnels
- 🚂 Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

21.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

24

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 131**

Location	Land Use	Year of mapping	Mapping scale
200m N	Railway	1937	-
202m N	Railway Sidings	1993	10000
202m N	Railway Sidings	1982	10000
202m N	Railway Sidings	1966	10560
220m N	Railway Sidings	1993	1250
221m N	Railway Sidings	1955	1250
227m NE	Mineral Railway Sidings	1938	10560
228m NE	Mineral Railway Sidings	1933	2500
233m NW	Railway Sidings	1938	10560
235m NW	Railway Sidings	1951	10560
236m NW	Railway Sidings	1948	10560
236m NW	Railway Sidings	1905	10560
236m NW	Railway Sidings	1933	2500
237m NW	Railway Sidings	1922	2500
237m NW	Railway Sidings	1937	2500
237m NW	Railway Sidings	1907	2500
241m N	Railway Sidings	1981	10000



Location	Land Use	Year of mapping	Mapping scale
241m N	Railway Sidings	1974	10000
241m N	Railway Sidings	1967	10560
242m N	Railway Sidings	1955	10560
248m E	Mineral Railway Sidings	1937	2500
249m NW	Railway Sidings	1954	1250
249m NW	Railway Sidings	1963	2500
249m NW	Railway Sidings	1954	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

2

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on **page 131**

Location	Description
210m E	Abandoned
226m E	Dismantled

This data is sourced from OpenStreetMap.



21.7 Railways

Records within 250m

4

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 131**

Location	Name	Type
217m N	Not given	Multi Track
219m N	Huddersfield Line	rail
222m N	Huddersfield Line	rail
231m N	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference>.

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Appendix 2

Historical Maps

Site Details:

DEWSBURY RIVERSIDE, OFF
RAVENSTHORPE ROAD,
DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1892
Revised N/A
Edition 1893
Copyright N/A
Levelled N/A

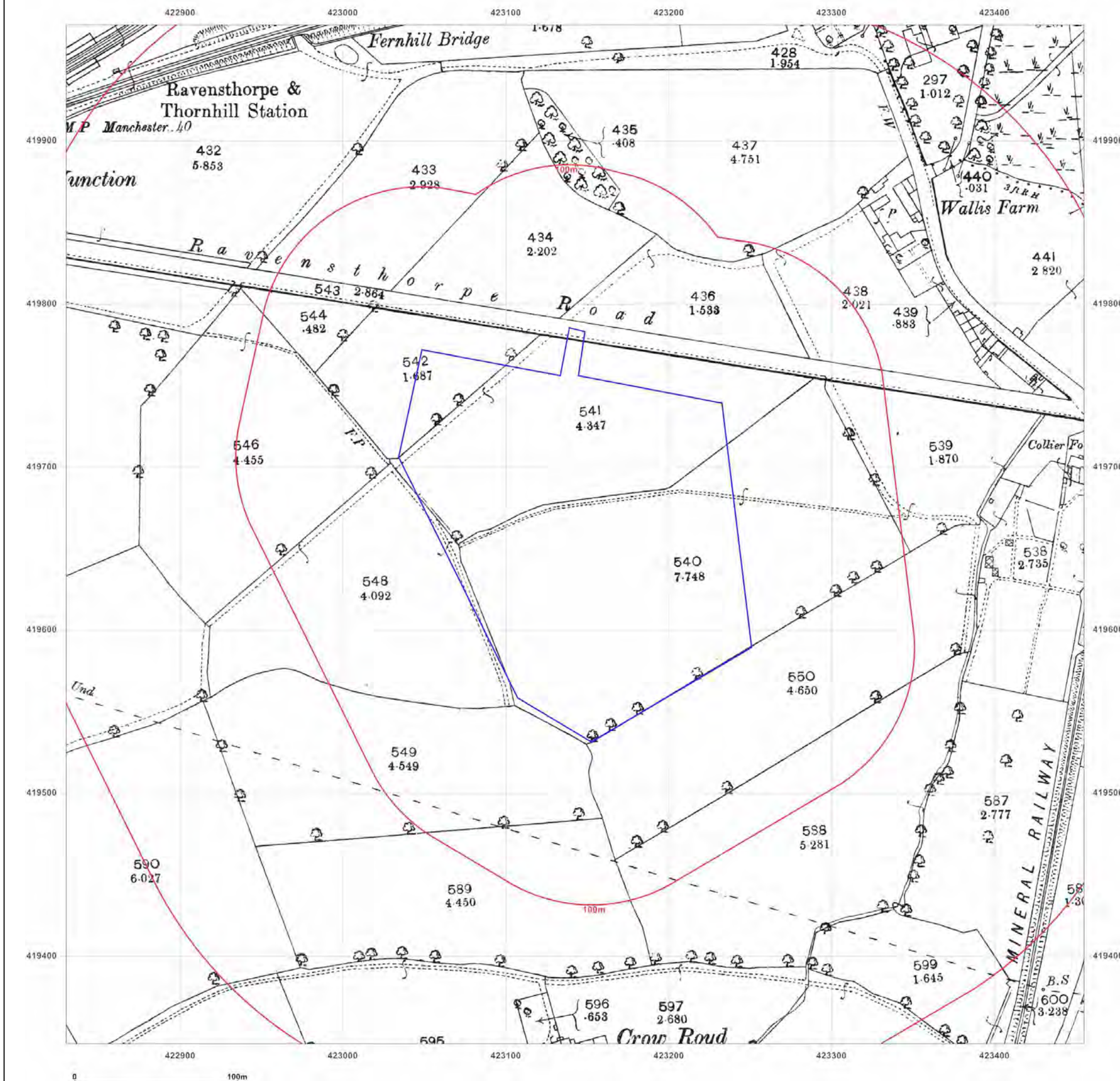


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Site Details:

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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1907

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1907
Edition N/A
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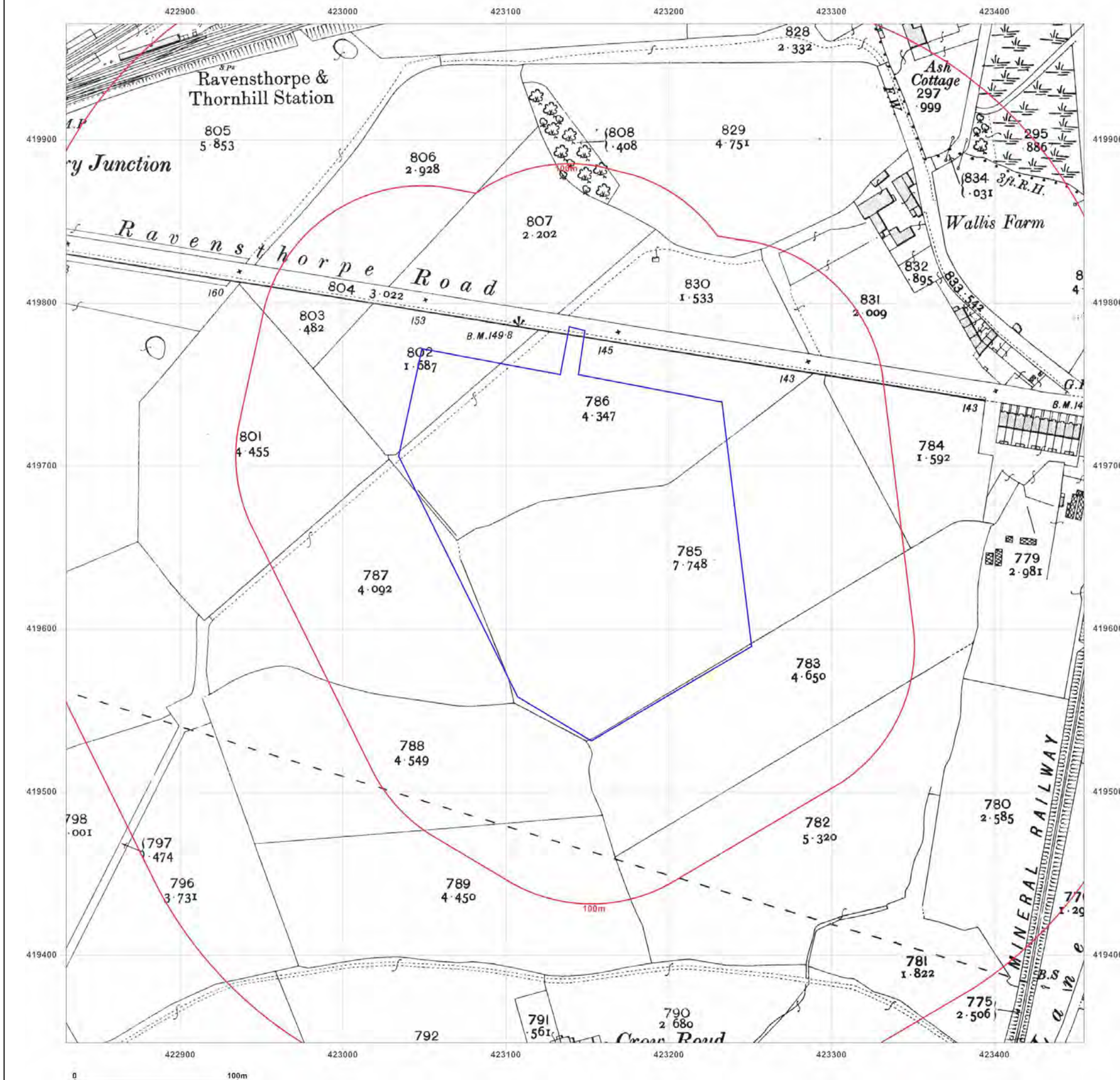


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1922

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1922
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Edition N/A
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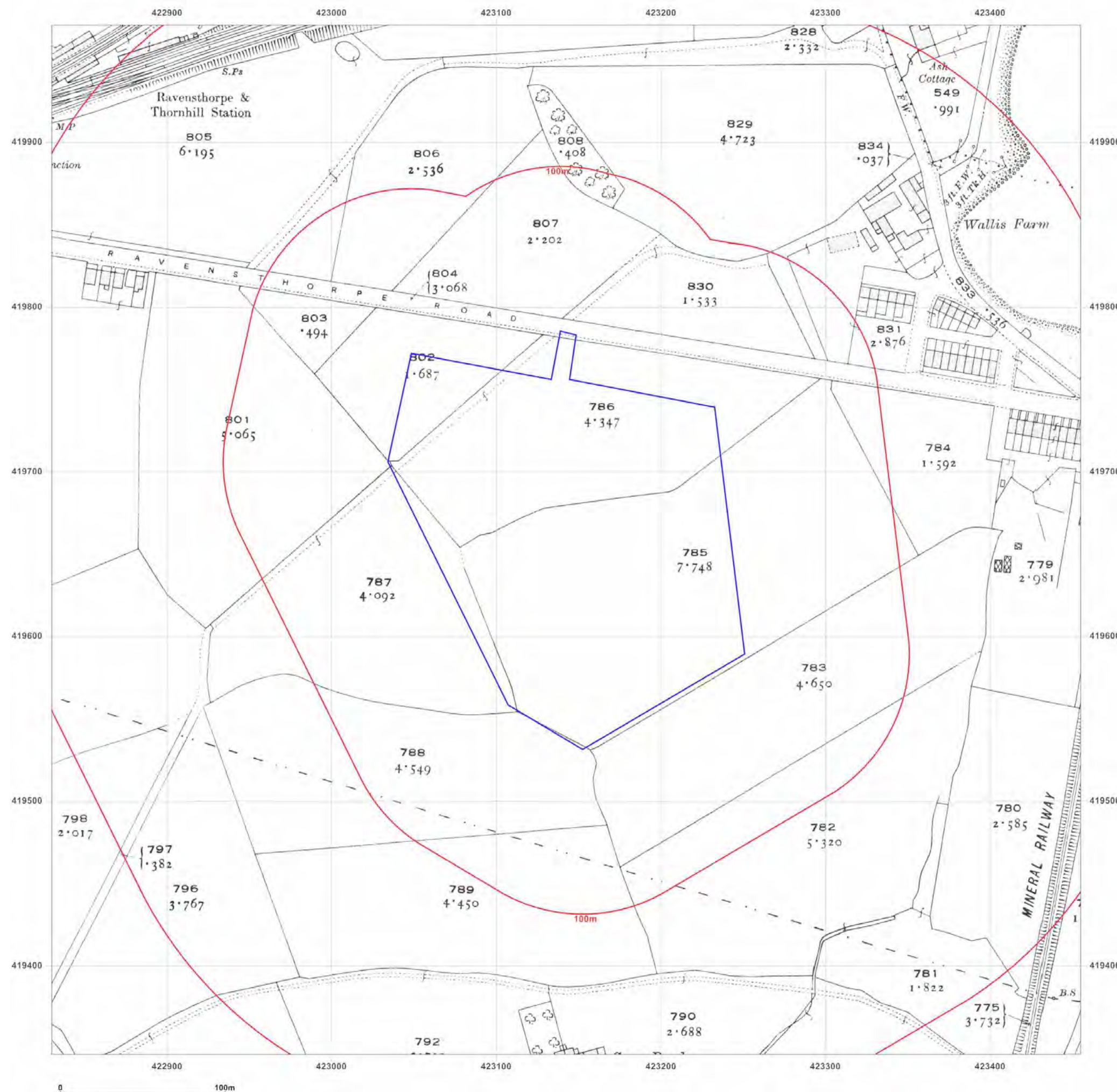


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1933

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1933
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Edition N/A
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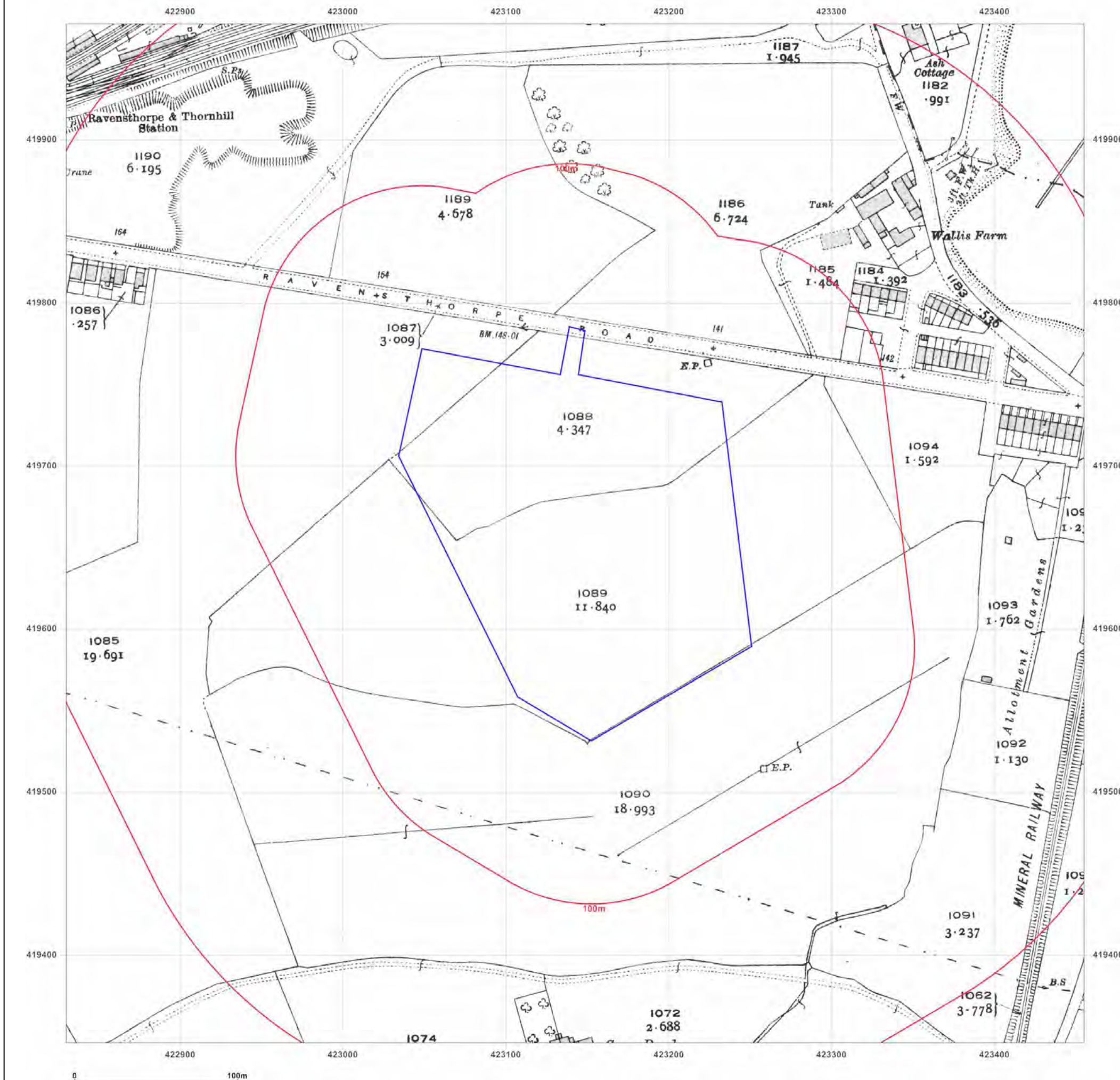


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1937

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1937
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Edition N/A
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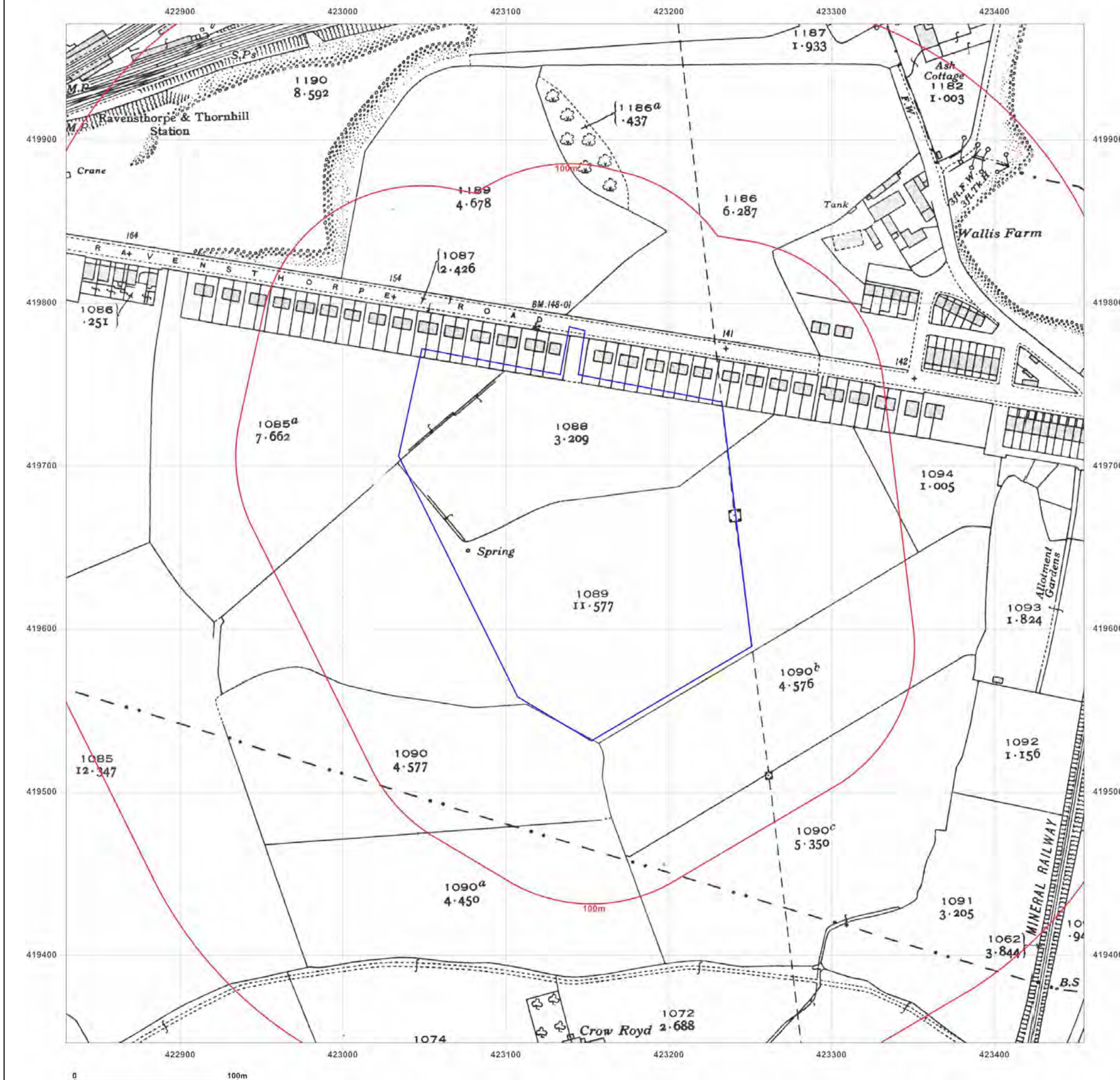


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1954

Scale: 1:2,500

Printed at: 1:2,500



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Surveyed 1954
Revised 1954
Edition N/A
Copyright 1955
Levelled 1931

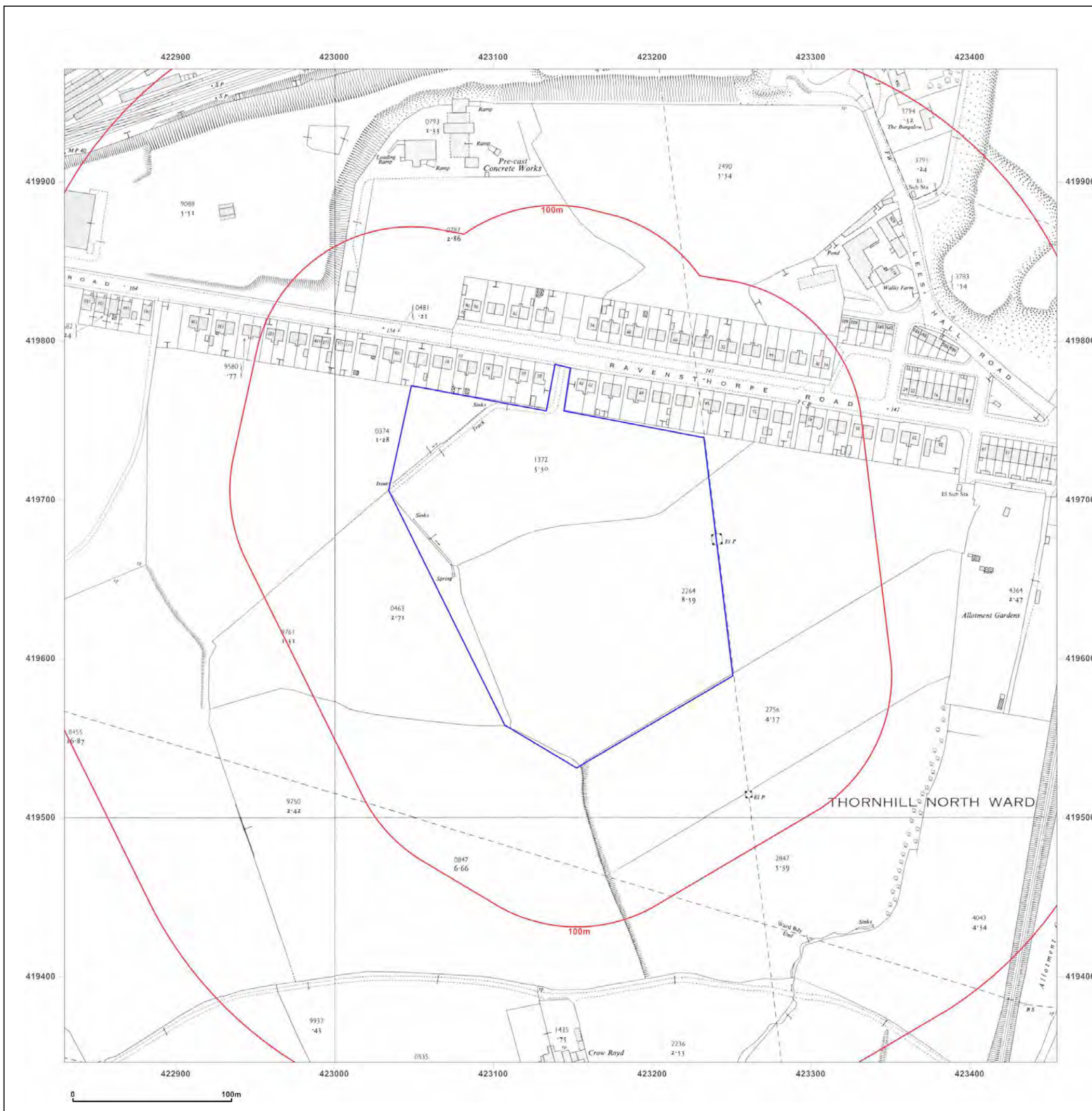


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1954-1955

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1954 Revised N/A Edition 1955 Copyright N/A Levelled 1931	Surveyed 1954 Revised 1954 Edition N/A Copyright N/A Levelled 1931



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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1955

Scale: 1:1,250

Printed at: 1:2,000



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Revised N/A
Edition N/A
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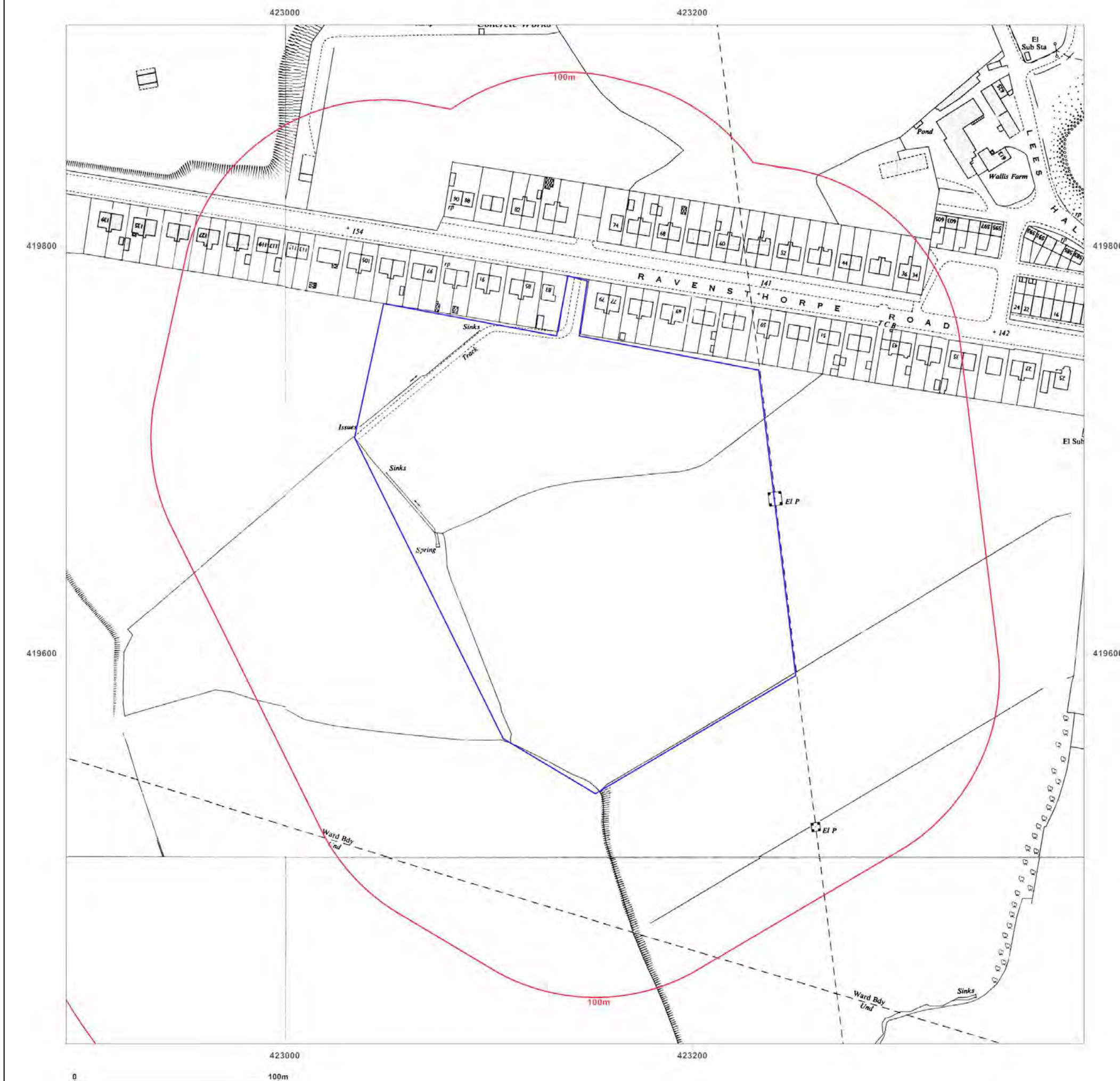


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Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1963

Scale: 1:2,500

Printed at: 1:2,500



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Levelled 1958

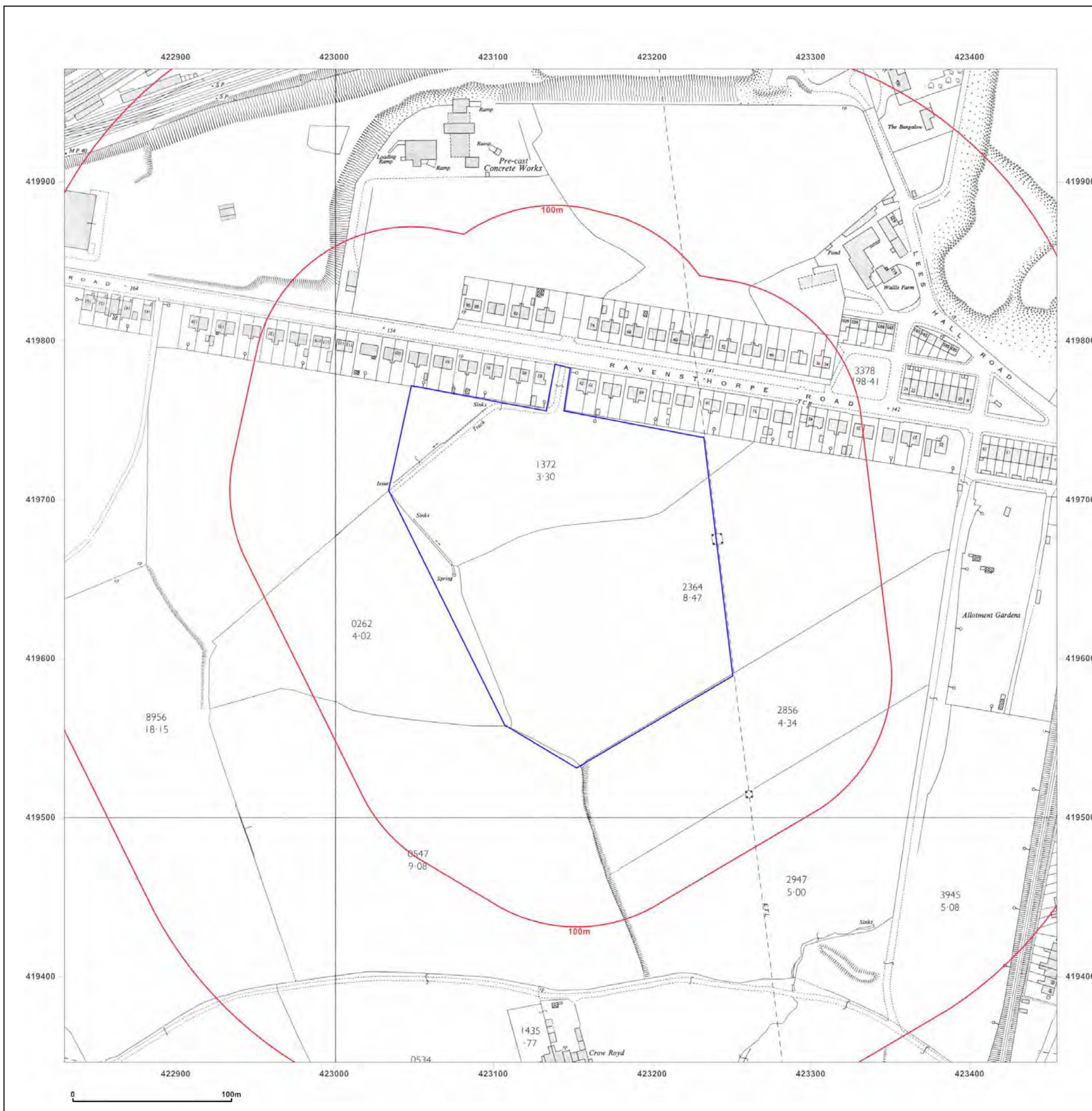


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
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Surveyed N/A
Revised 1963
Edition N/A
Copyright 1967
Levelled 1958

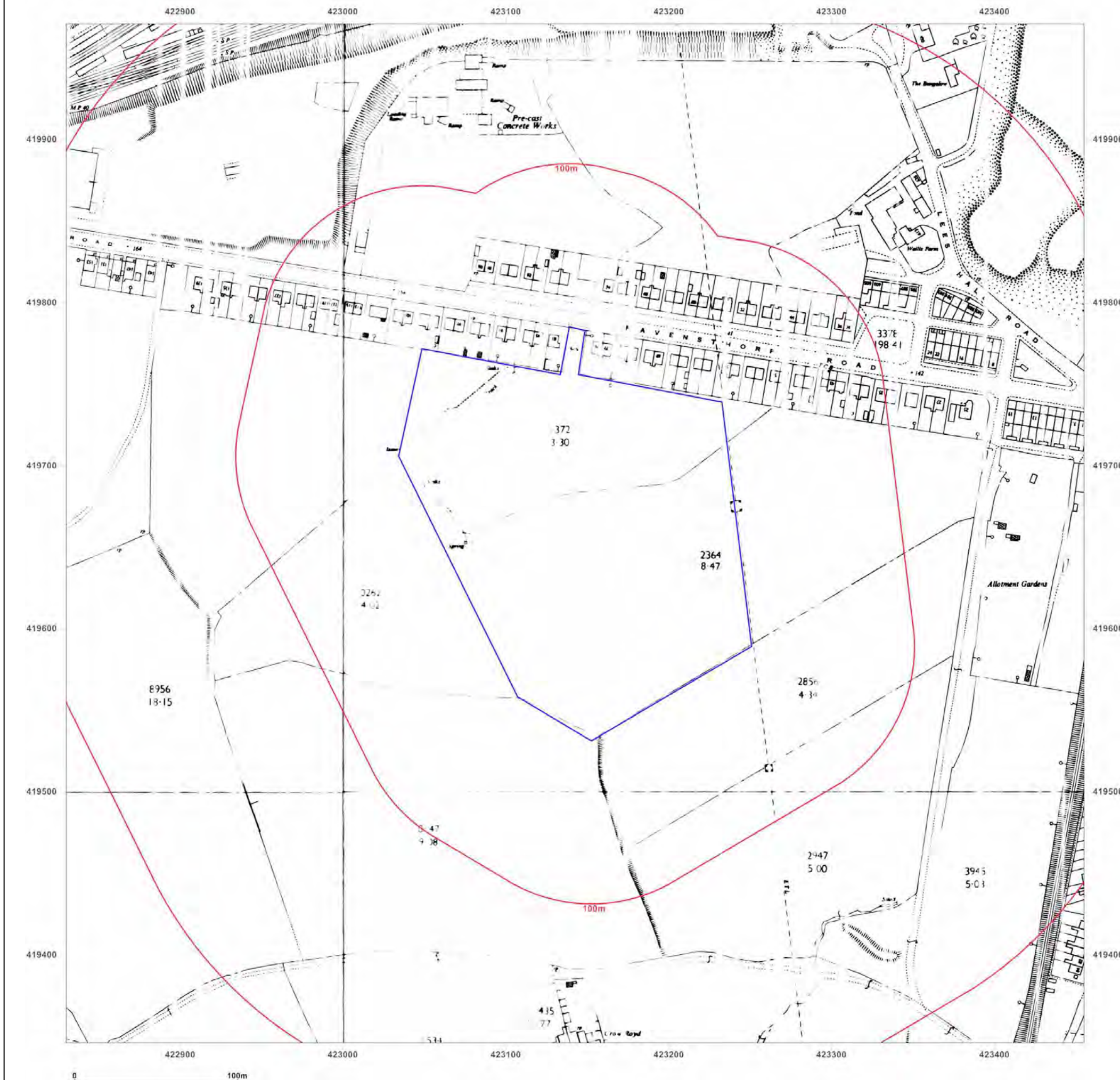


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1971-1972

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1973

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1989-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1963
Revised 1989
Edition N/A
Copyright 1989
Levelled 1963

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1989
Revised 1989
Edition N/A
Copyright 1989
Levelled N/A

Surveyed 1958
Revised 1989
Edition N/A
Copyright 1989
Levelled 1958

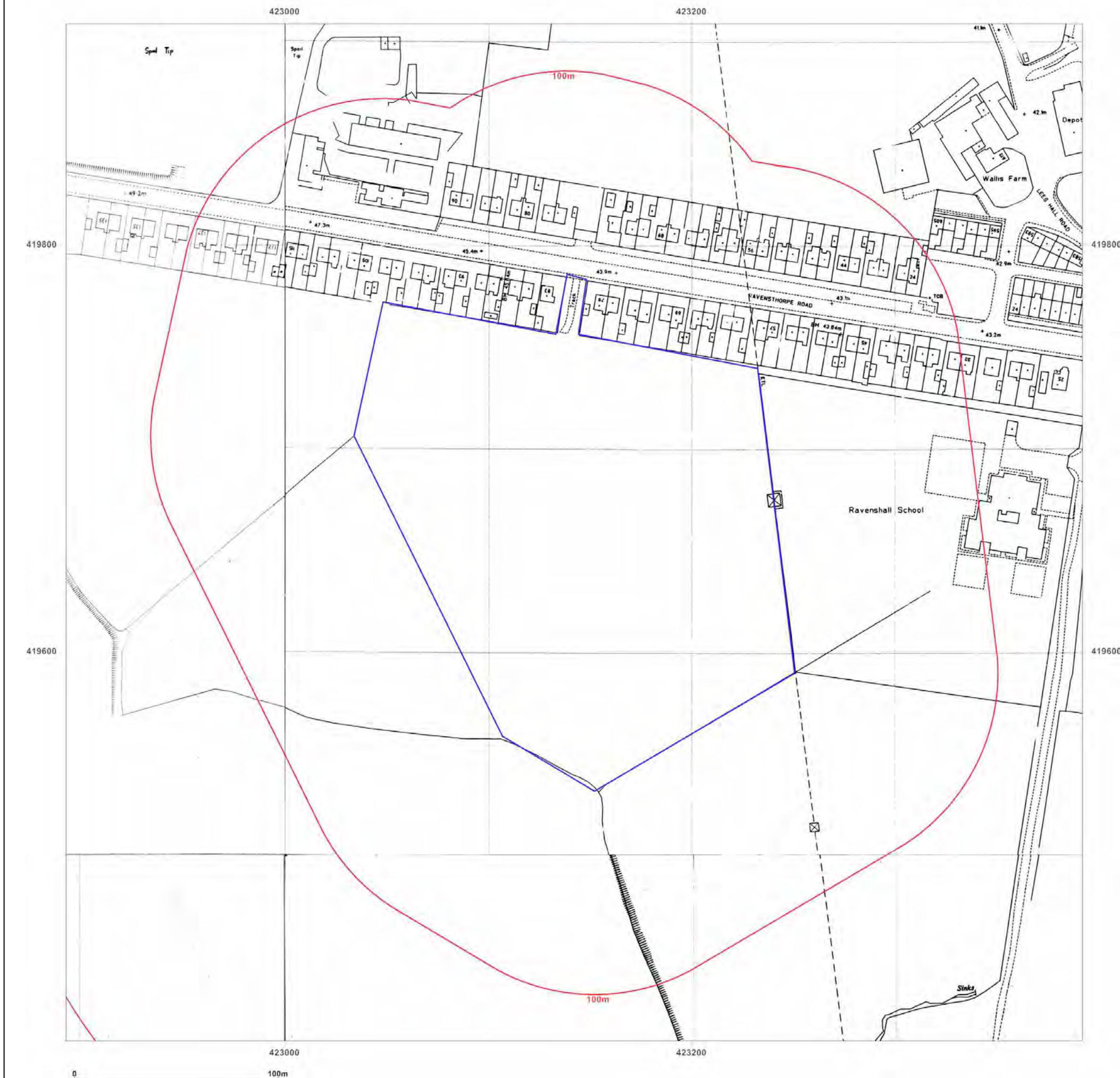


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1989-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
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Surveyed 1963
Revised 1989
Edition N/A
Copyright 1989
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Surveyed N/A
Revised N/A
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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

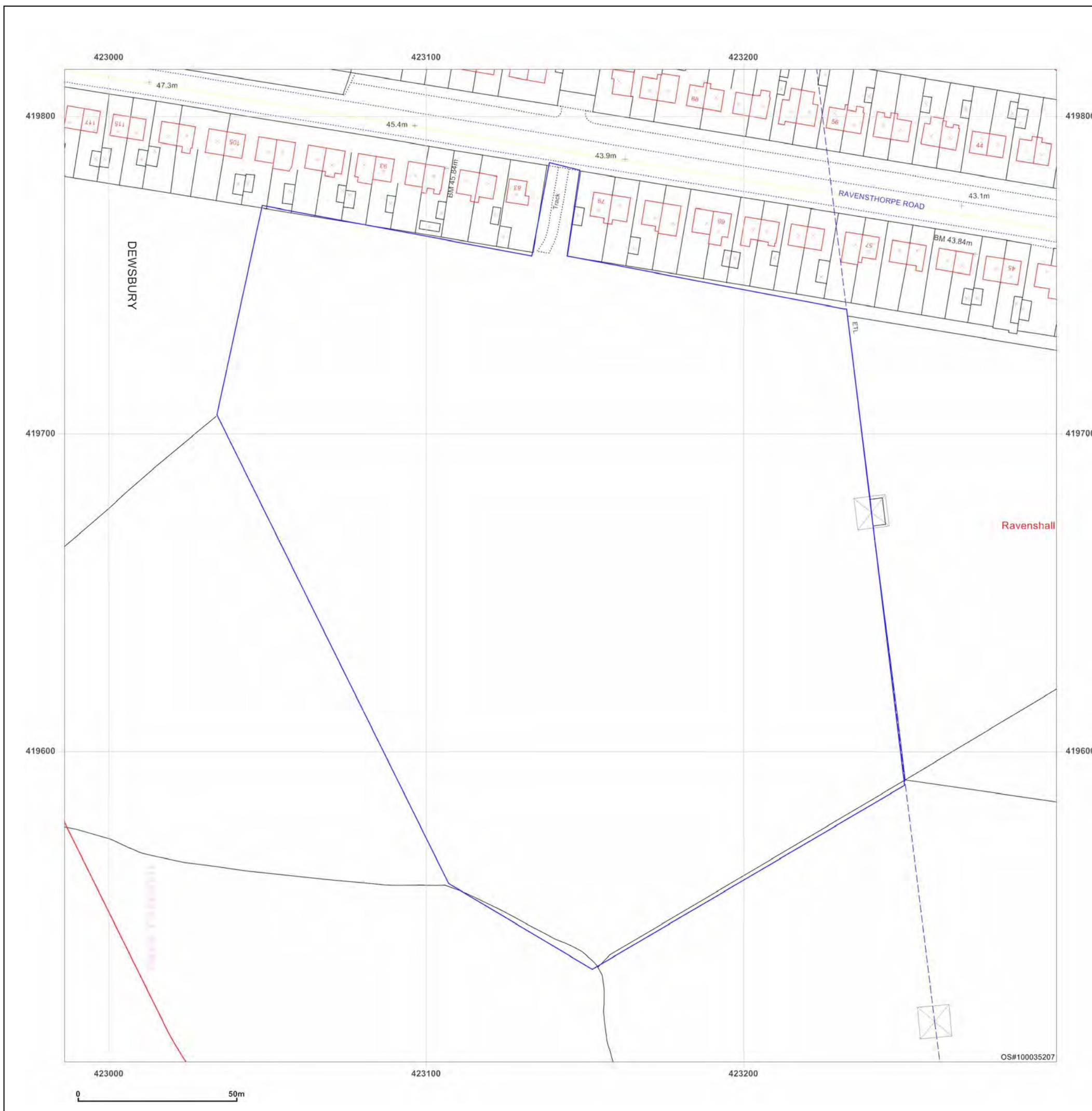


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Site Details:

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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1855

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised N/A
Edition 1855
Copyright N/A
Levelled N/A

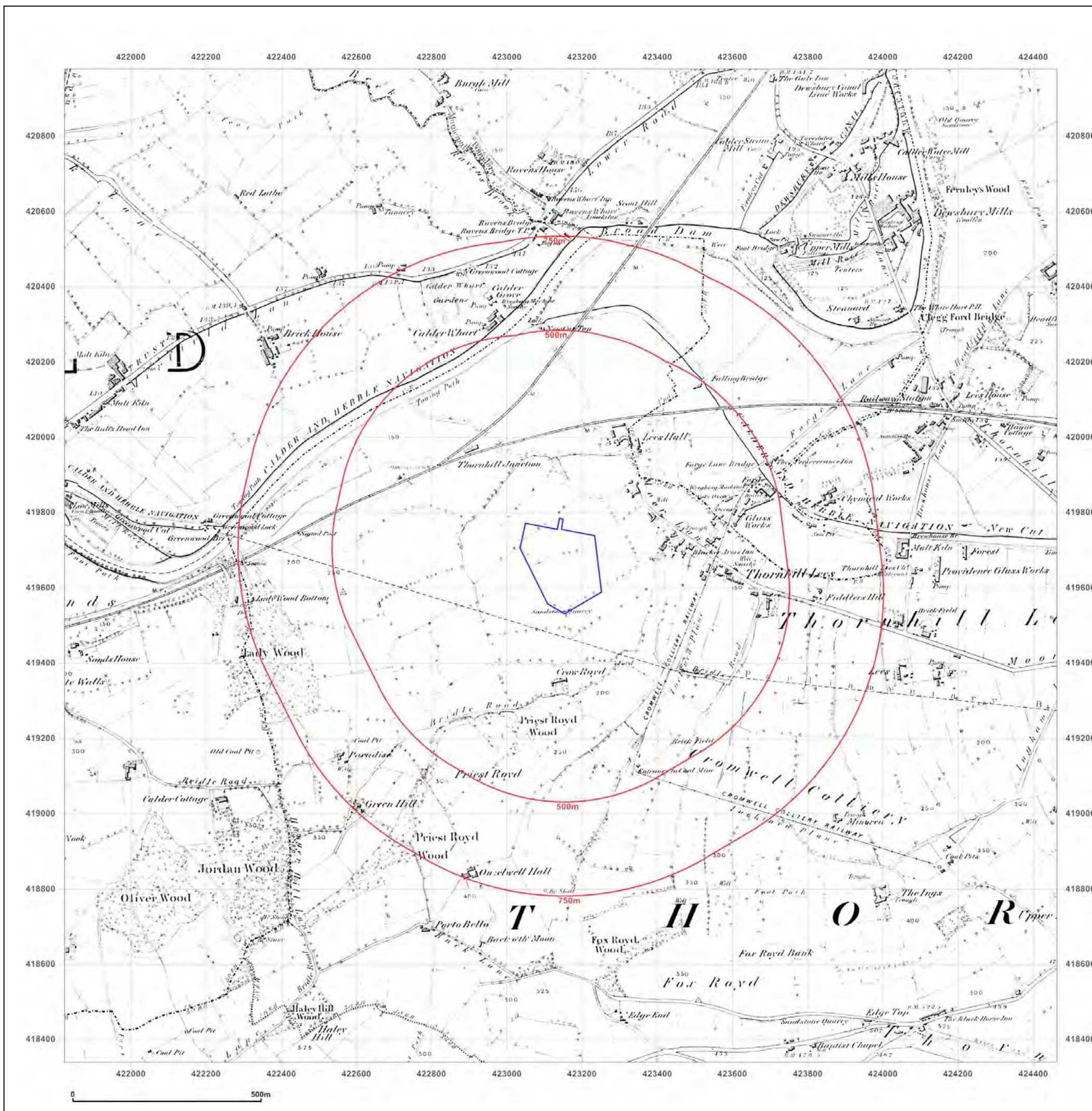


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Site Details:

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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1888-1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1888
Revised 1888
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

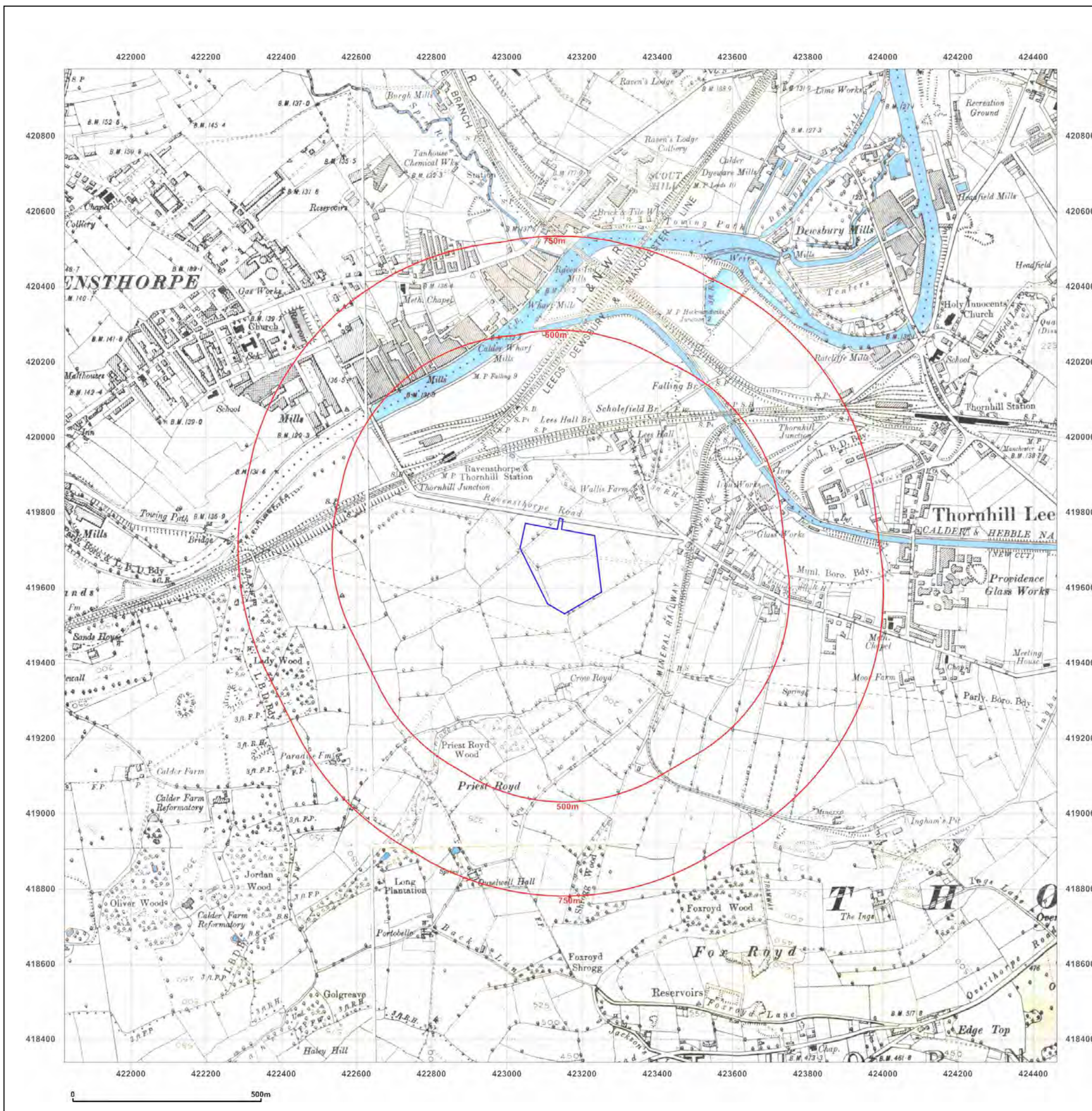


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1894

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
Revised N/A
Edition 1894
Copyright N/A
Levelled N/A

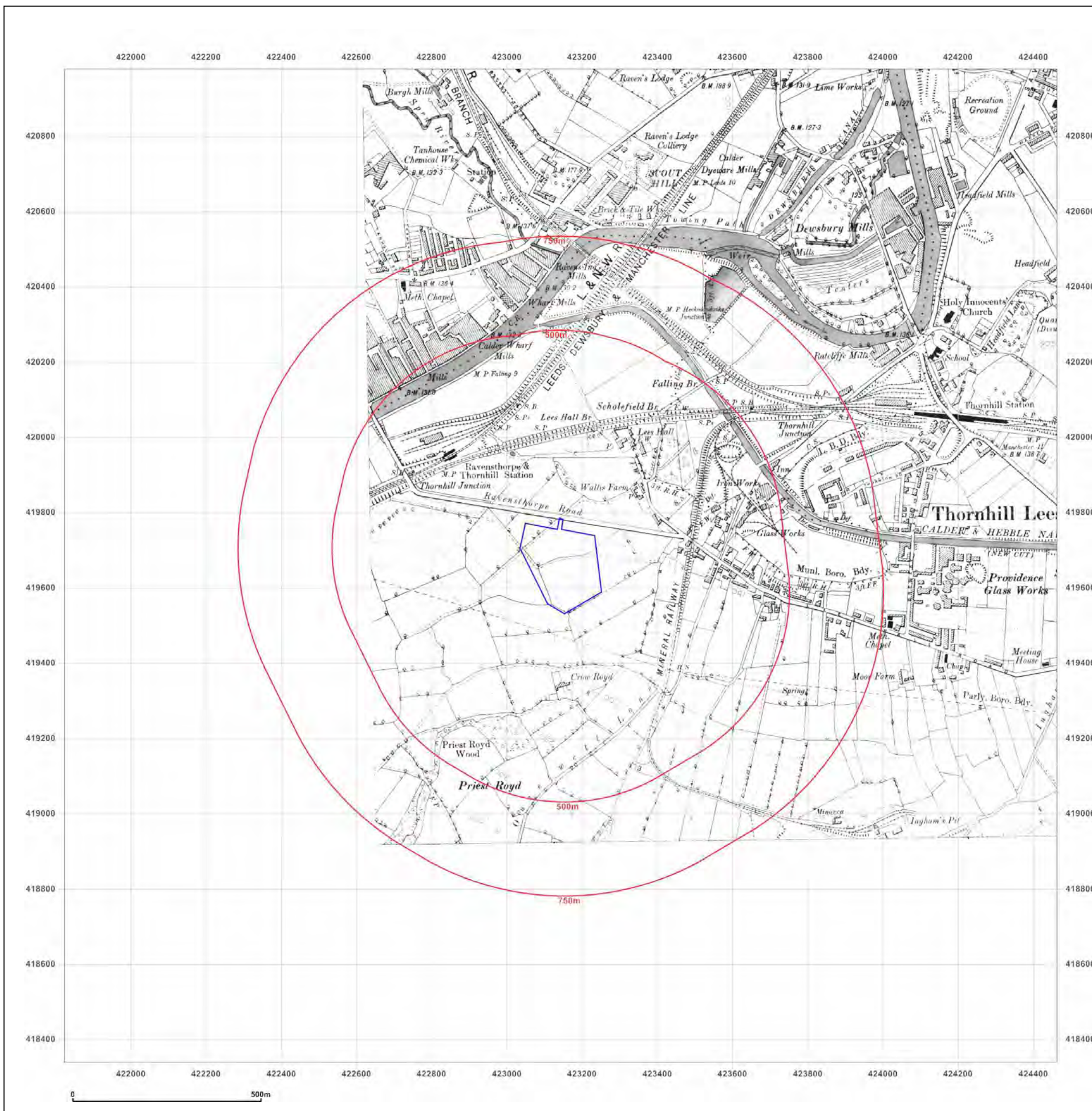


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1904-1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1888
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

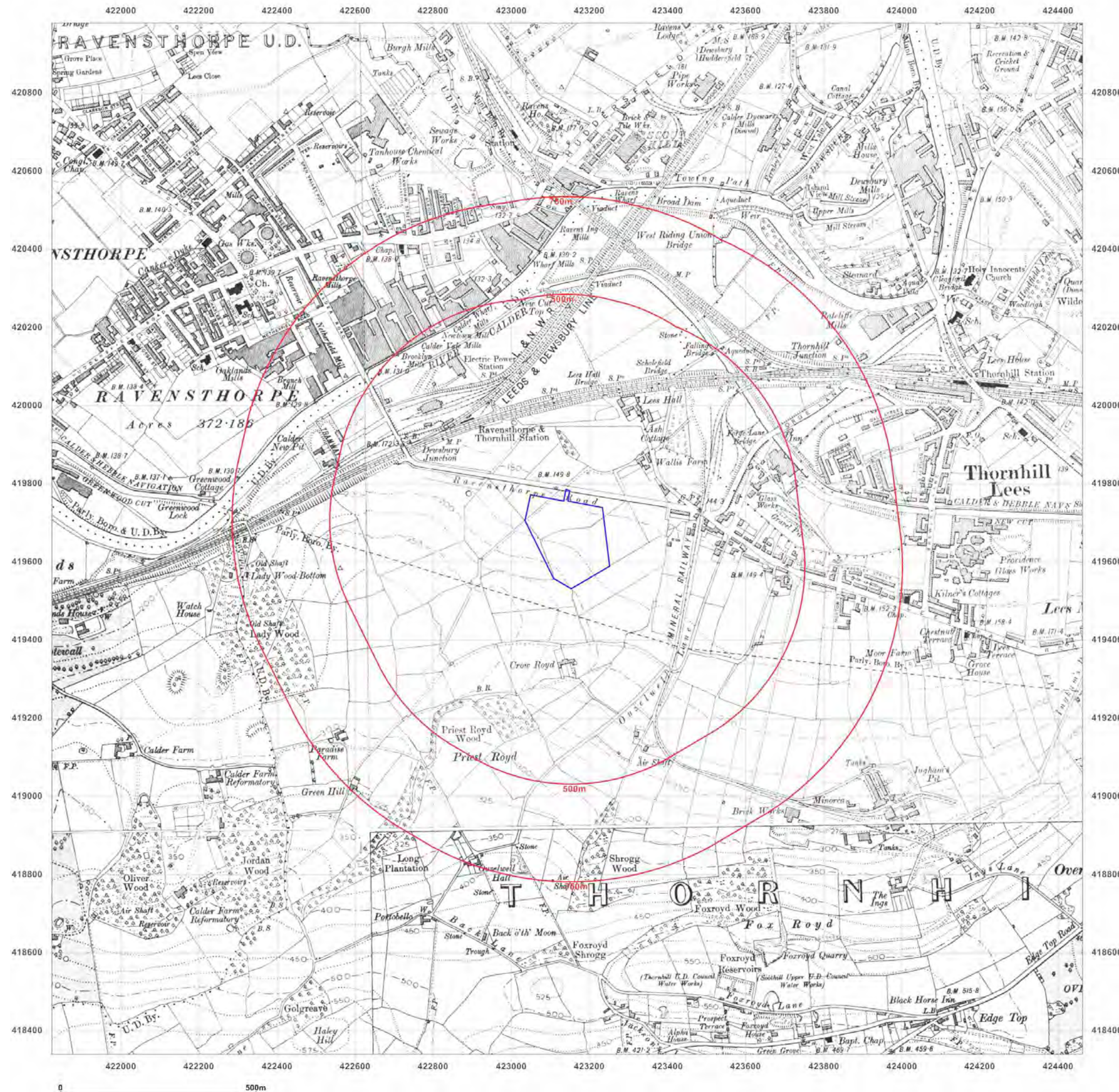


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1930-1931

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A

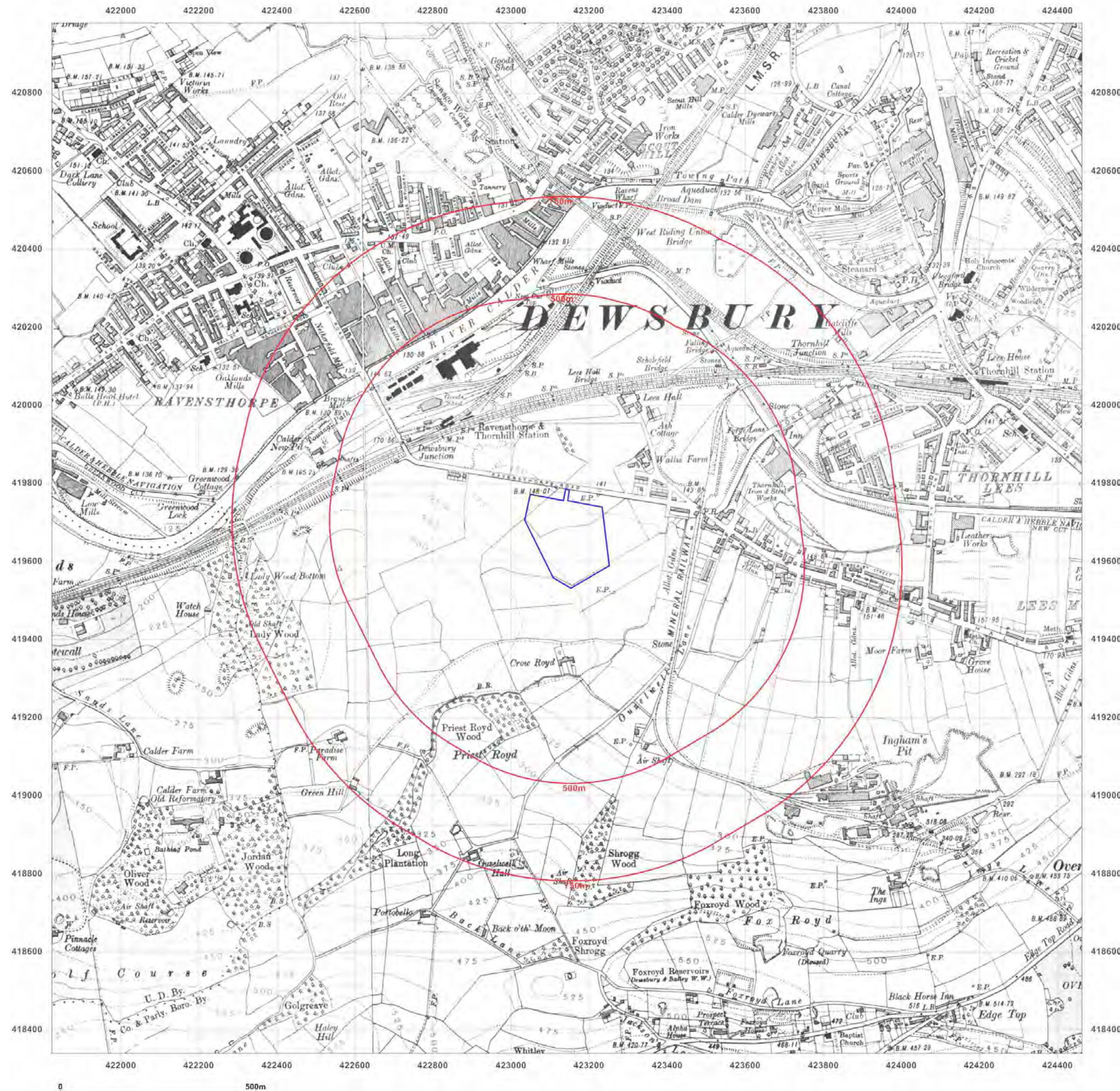


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Production date: 24 September 2020

Map legend available at:
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Site Details:

DEWSBURY RIVERSIDE, OFF
RAVENSTHORPE ROAD,
DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1938
Edition N/A
Copyright N/A
Levelled 1931

Surveyed 1851
Revised 1938
Edition 1938
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Levelled N/A

Surveyed 1849
Revised 1938
Edition N/A
Copyright N/A
Levelled 1931

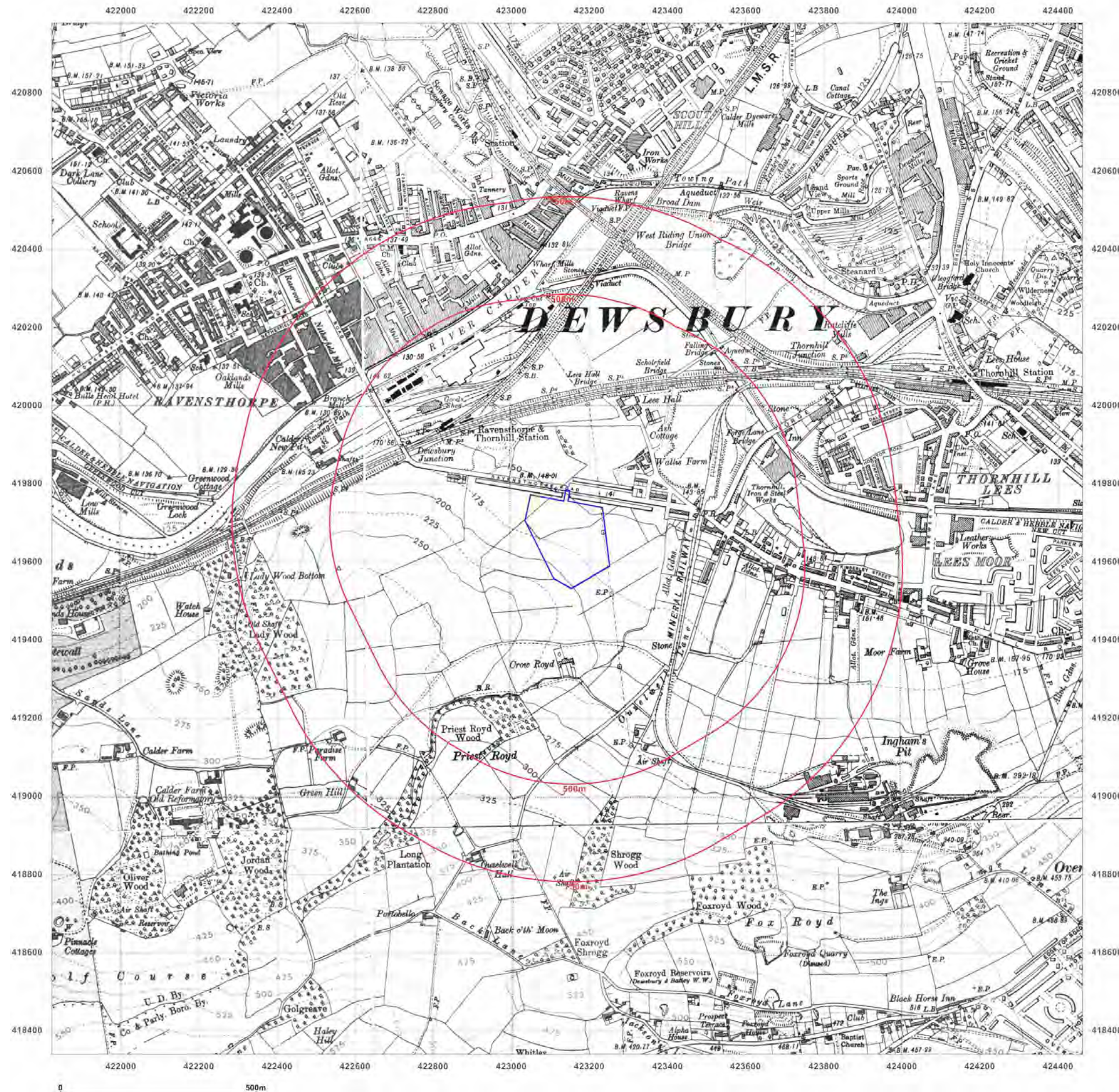


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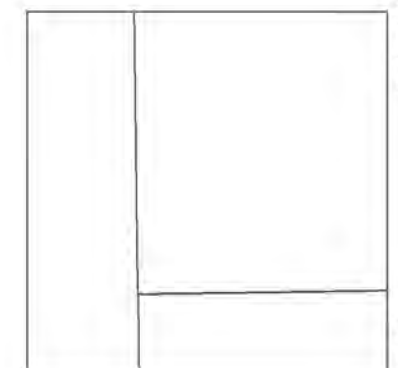
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Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

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Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

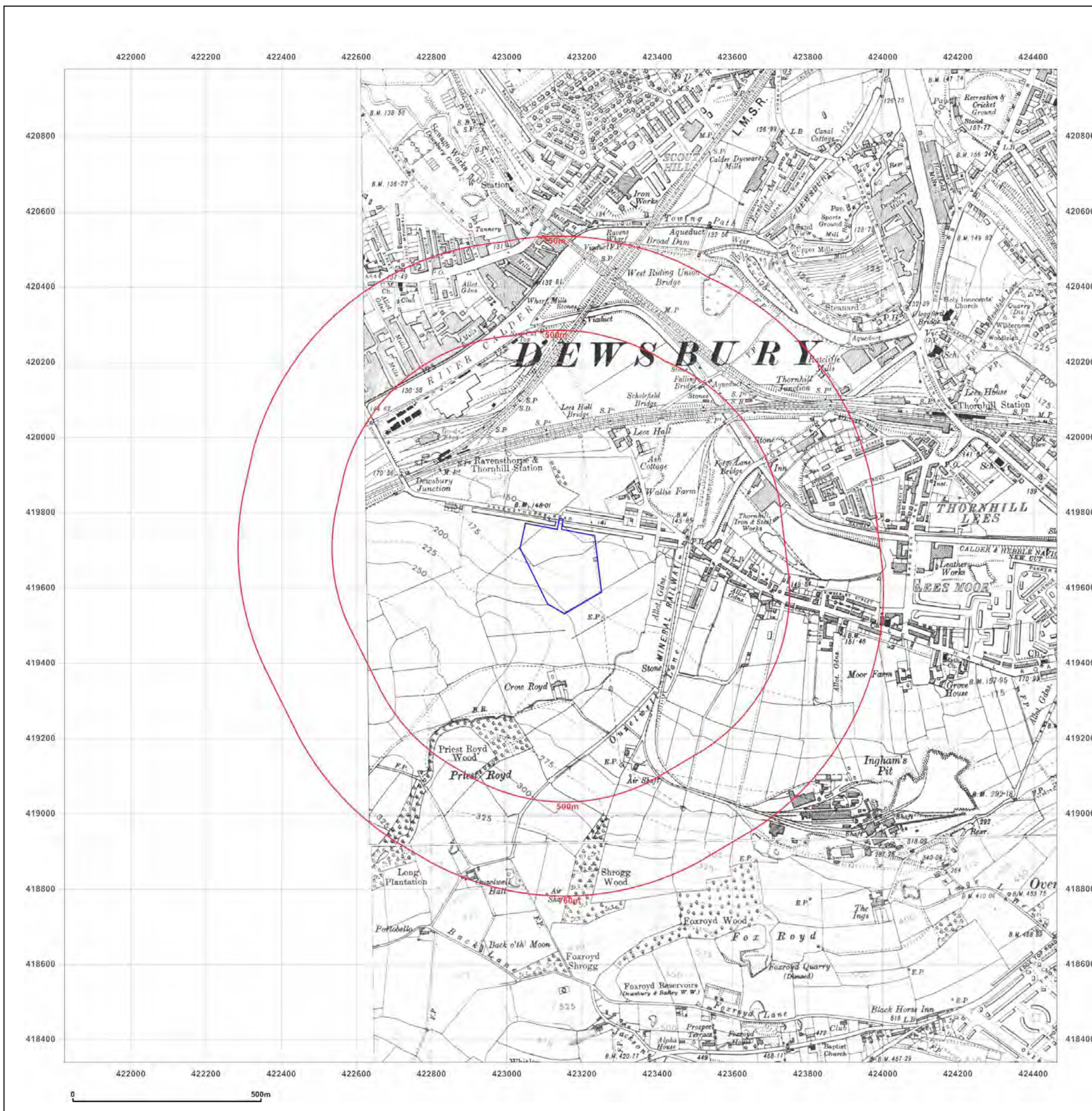


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DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1850
Revised 1948
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Copyright N/A
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Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

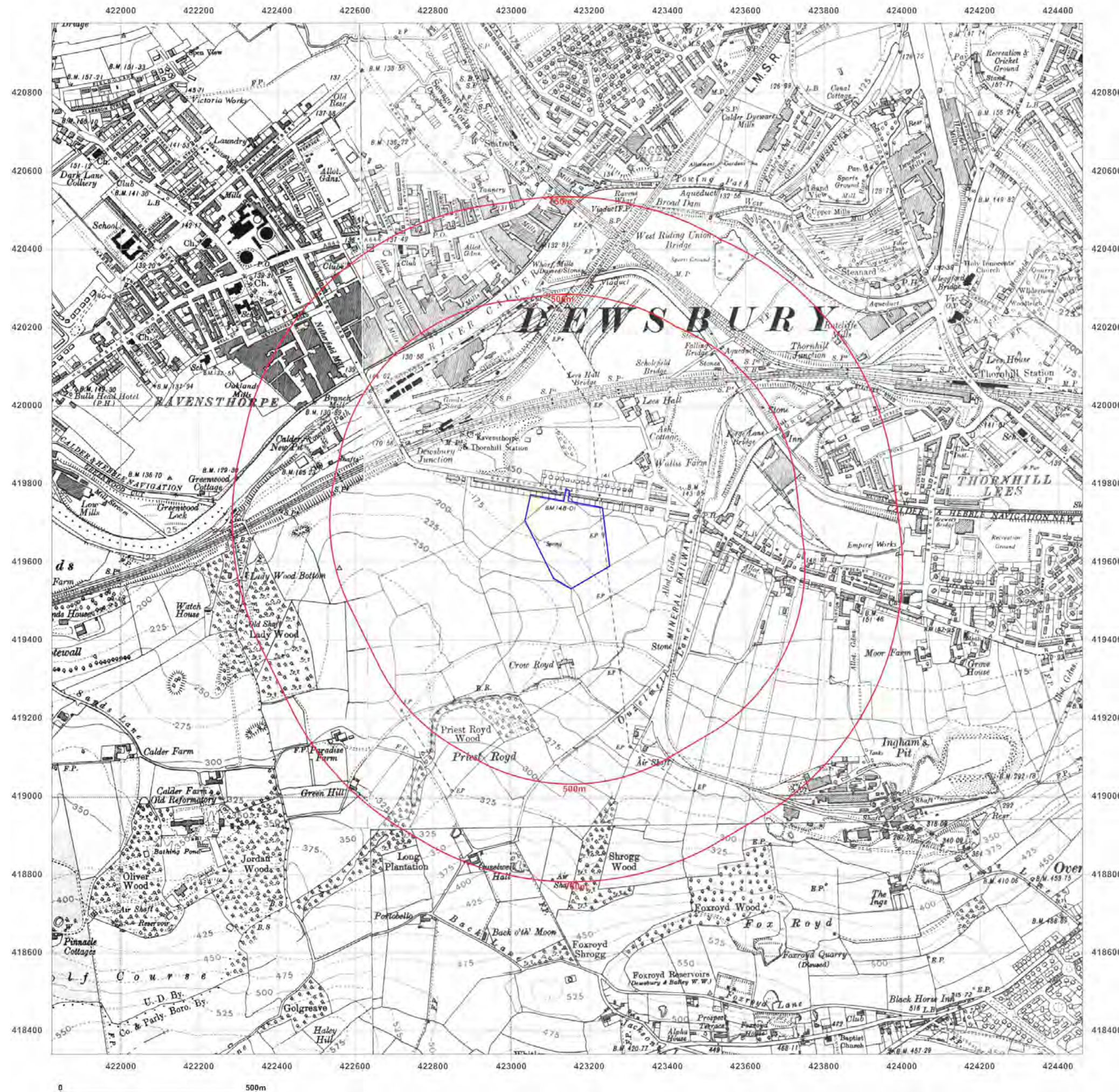


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Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A



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Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

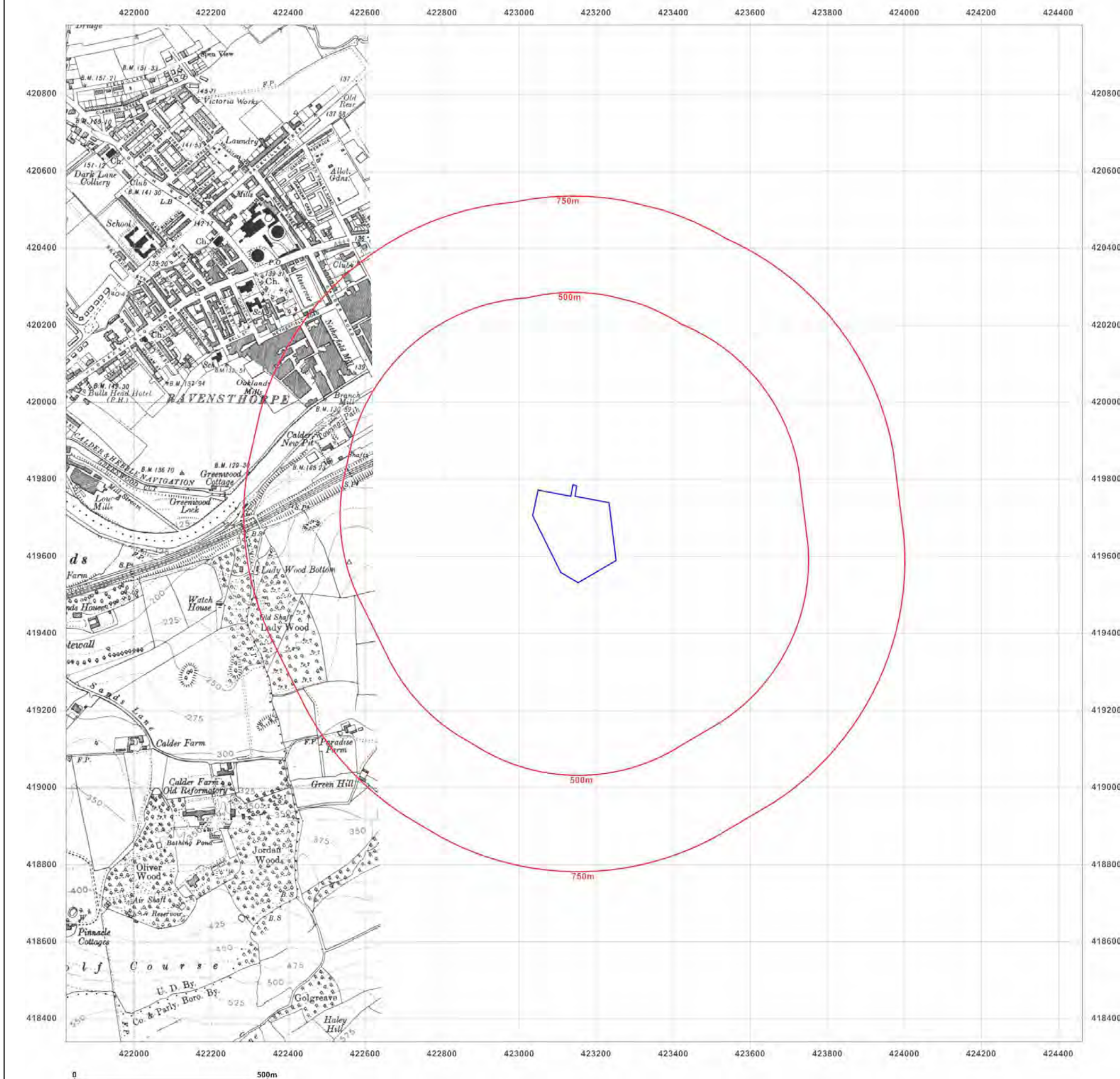


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Site Details:

DEWSBURY RIVERSIDE, OFF
RAVENSTHORPE ROAD,
DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: Provisional

Map date: 1951-1955

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1951
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

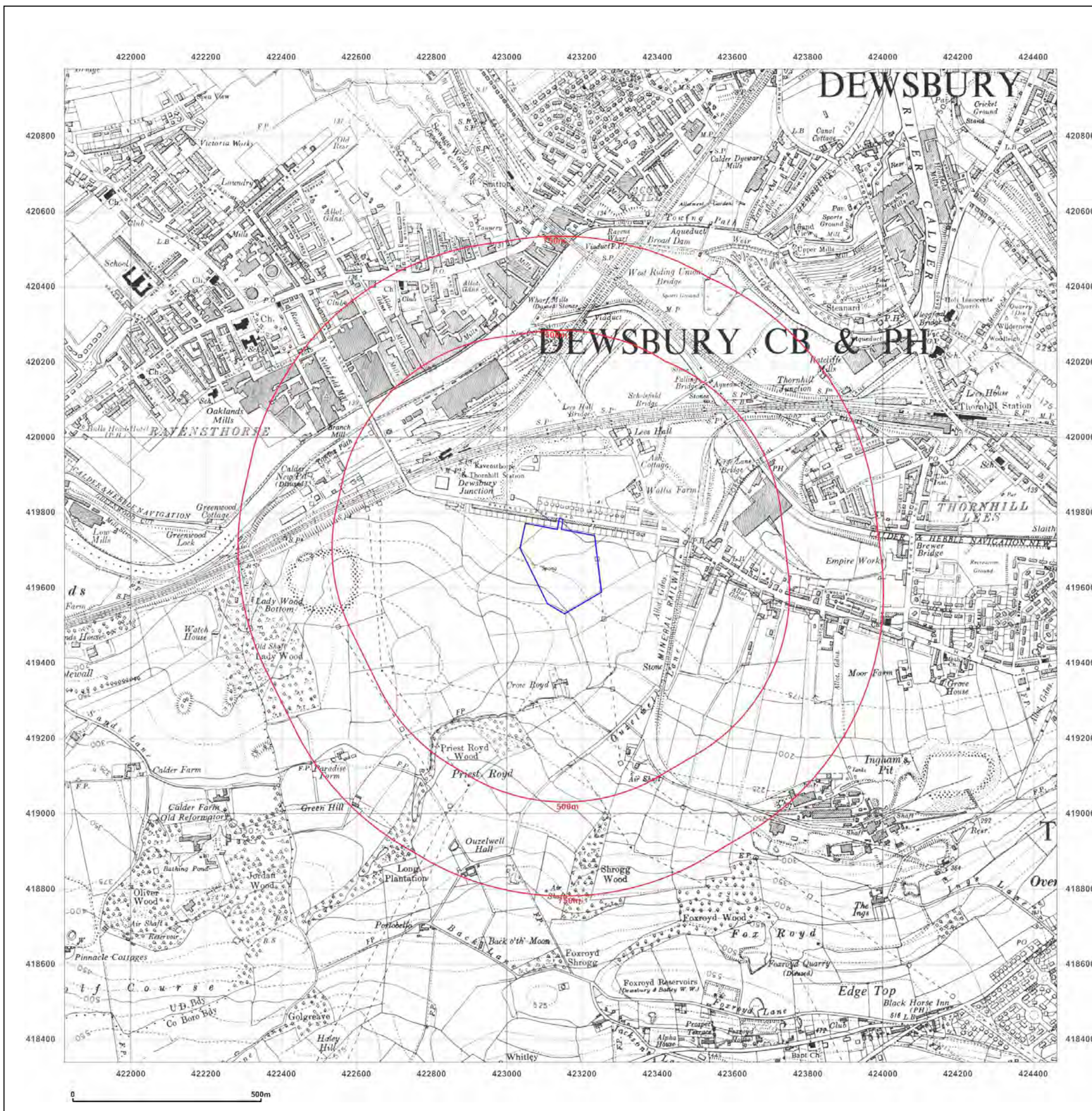


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Production date: 24 September 2020

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Site Details:

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DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: Provisional

Map date: 1966-1967

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1966
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

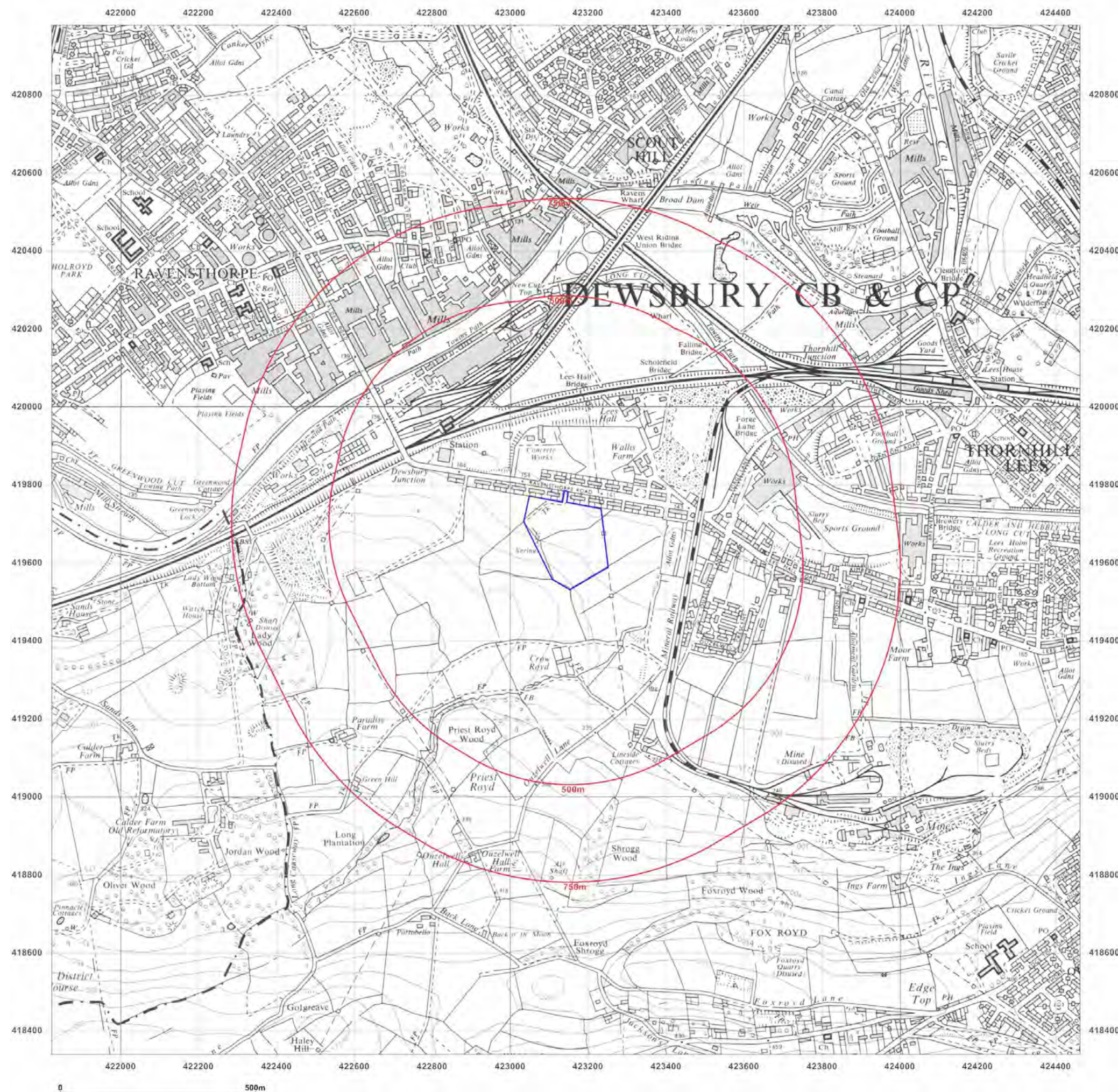


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Production date: 24 September 2020

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Site Details:

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DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1974

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
Revised 1974
Edition N/A
Copyright N/A
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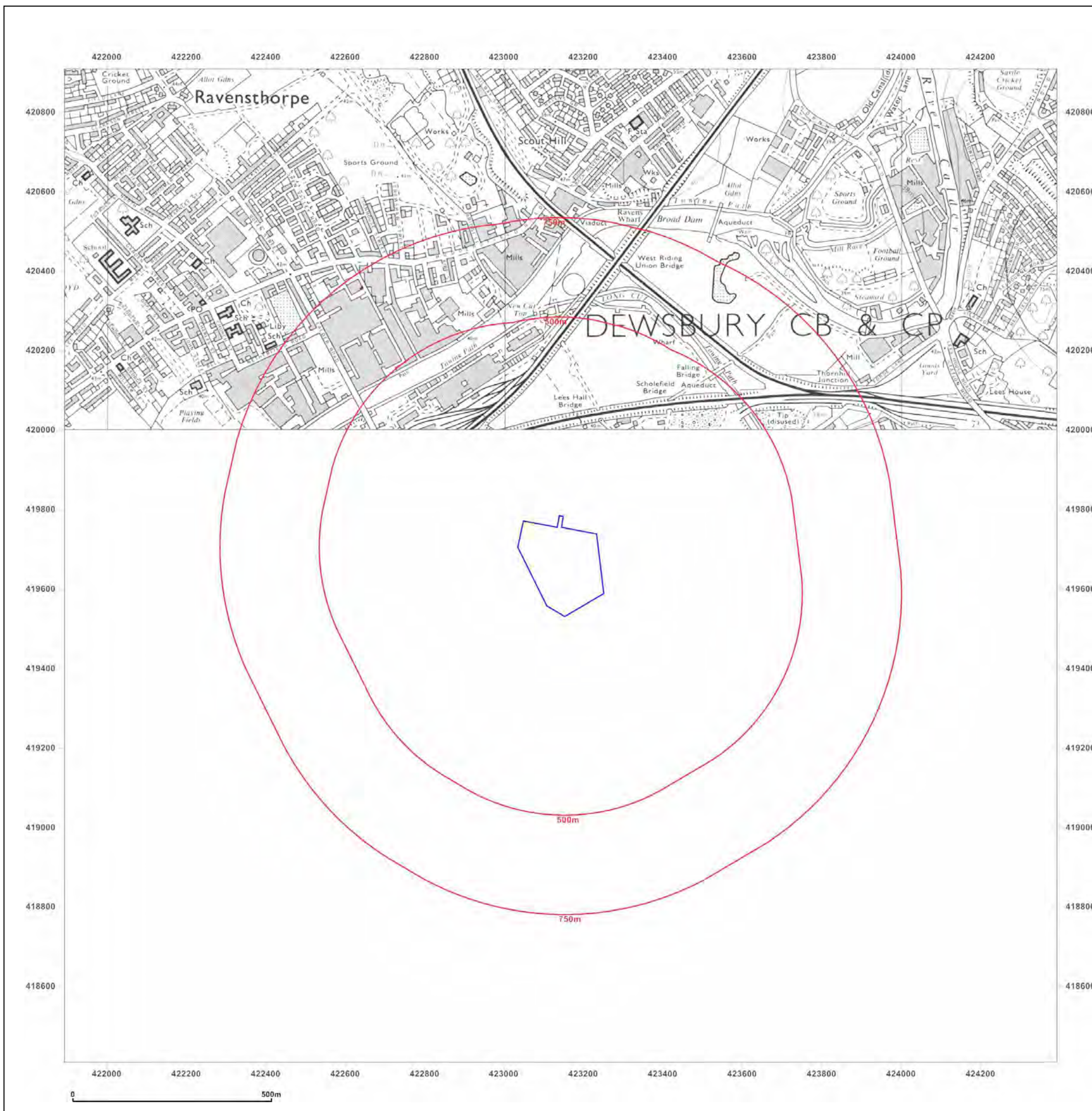


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Site Details:

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RAVENSTHORPE ROAD,
DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1981-1982

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
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Edition N/A
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Surveyed 1977
Revised 1982
Edition N/A
Copyright N/A
Levelled N/A

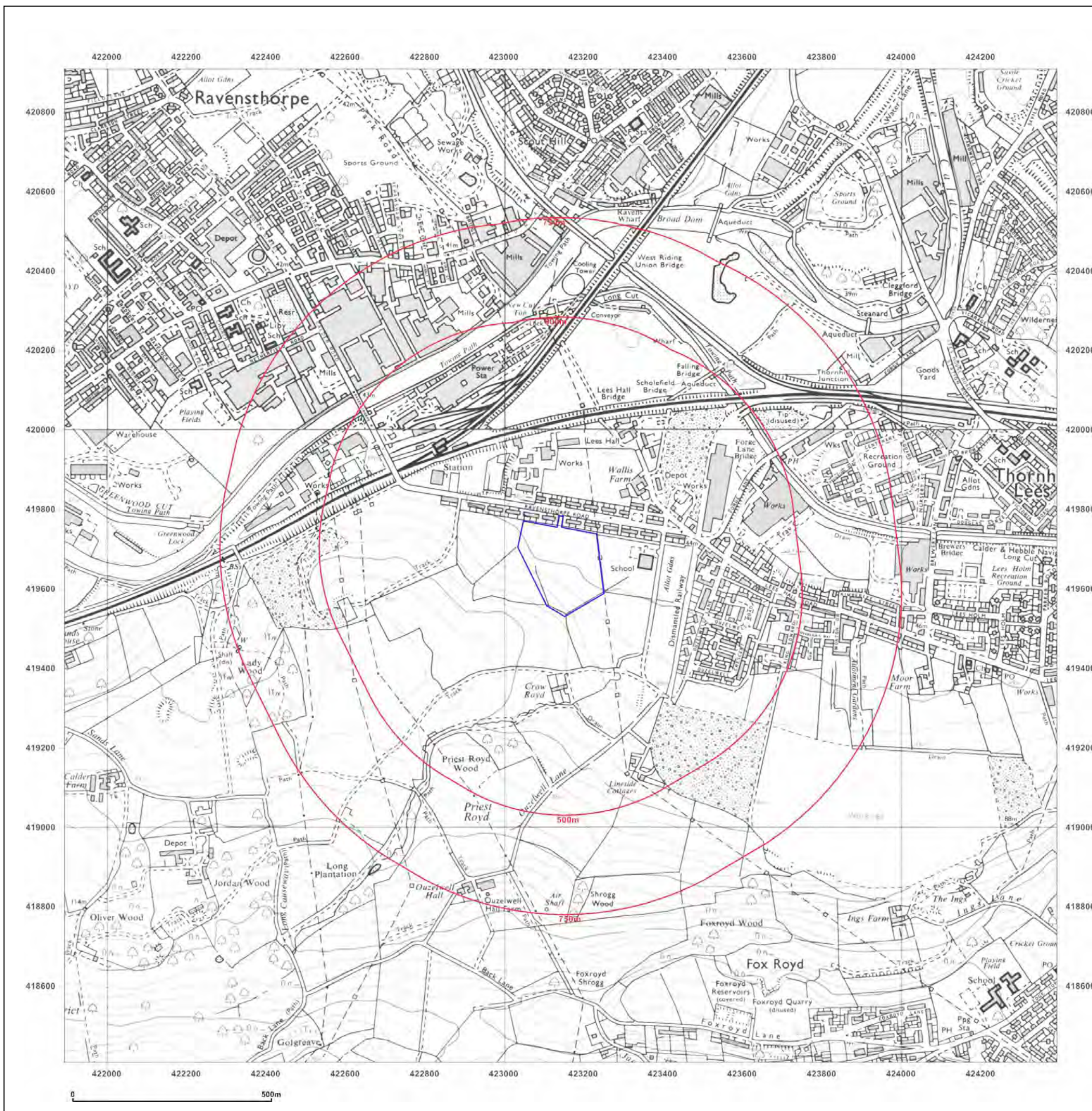


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Site Details:

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RAVENSTHORPE ROAD,
DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 1988-1993

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1985
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Edition N/A
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Surveyed 1991
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Edition N/A
Copyright N/A
Levelled N/A

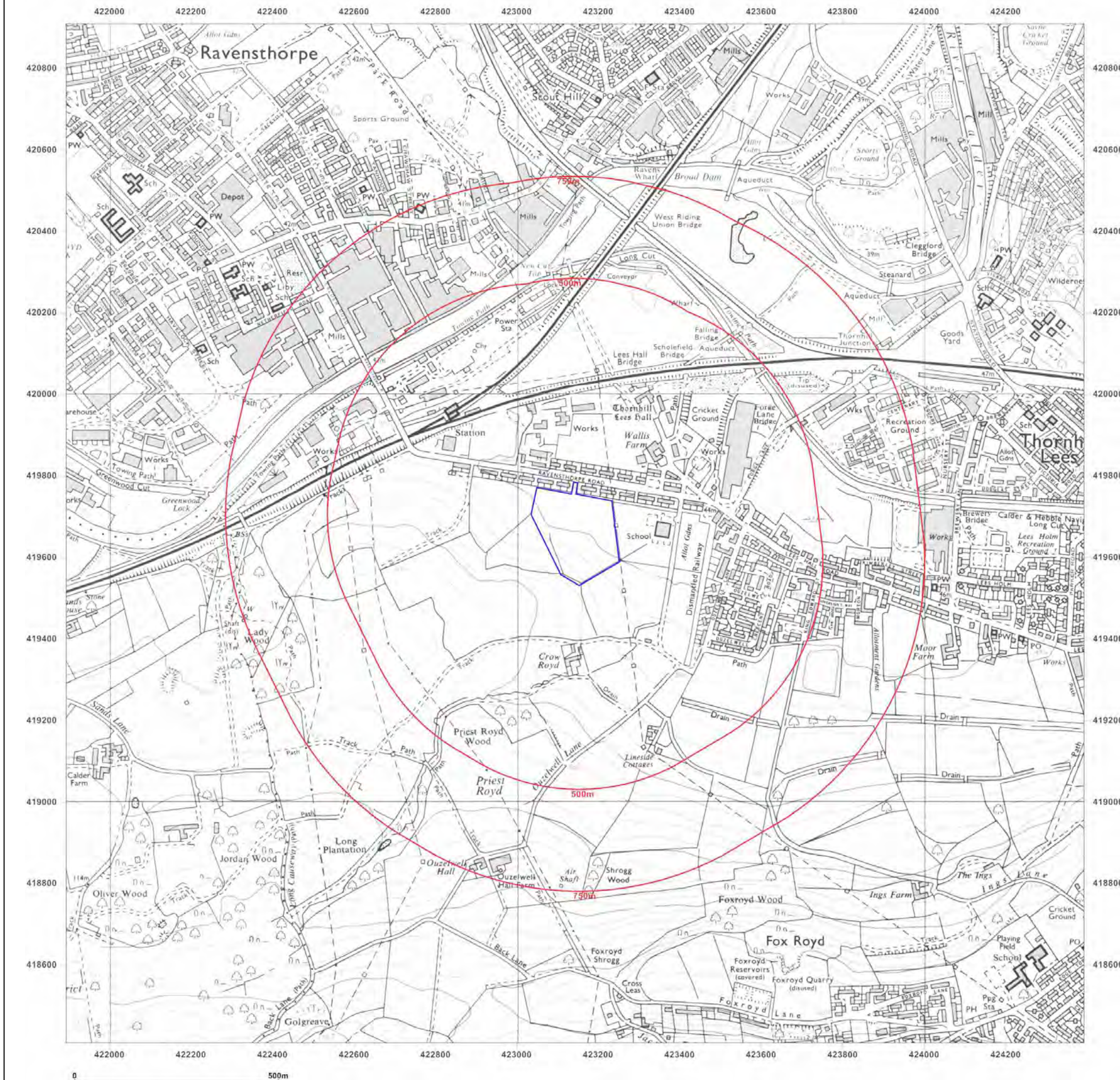


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Site Details:

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DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

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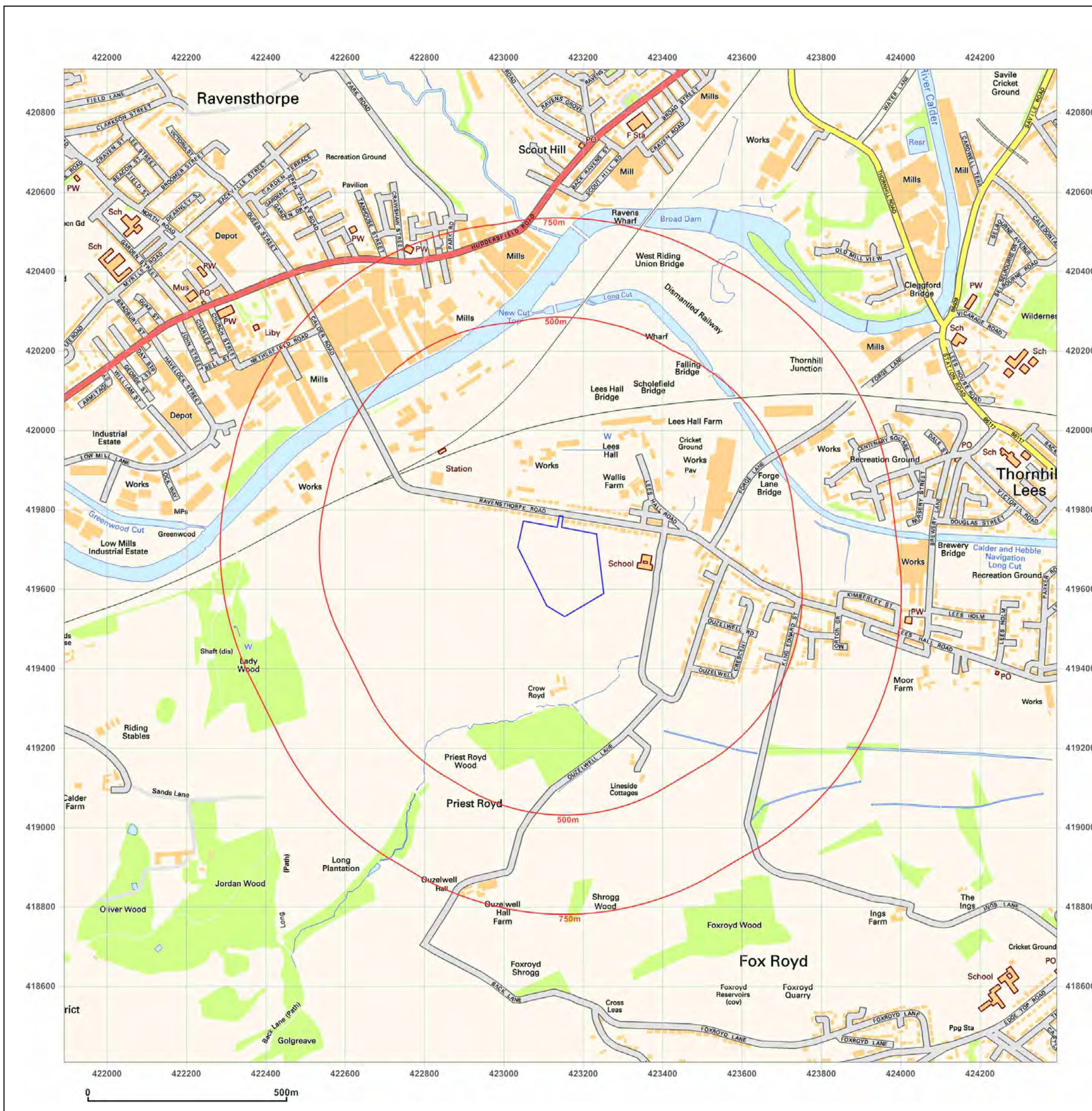


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Site Details:

DEWSBURY RIVERSIDE, OFF
RAVENSTHORPE ROAD,
DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

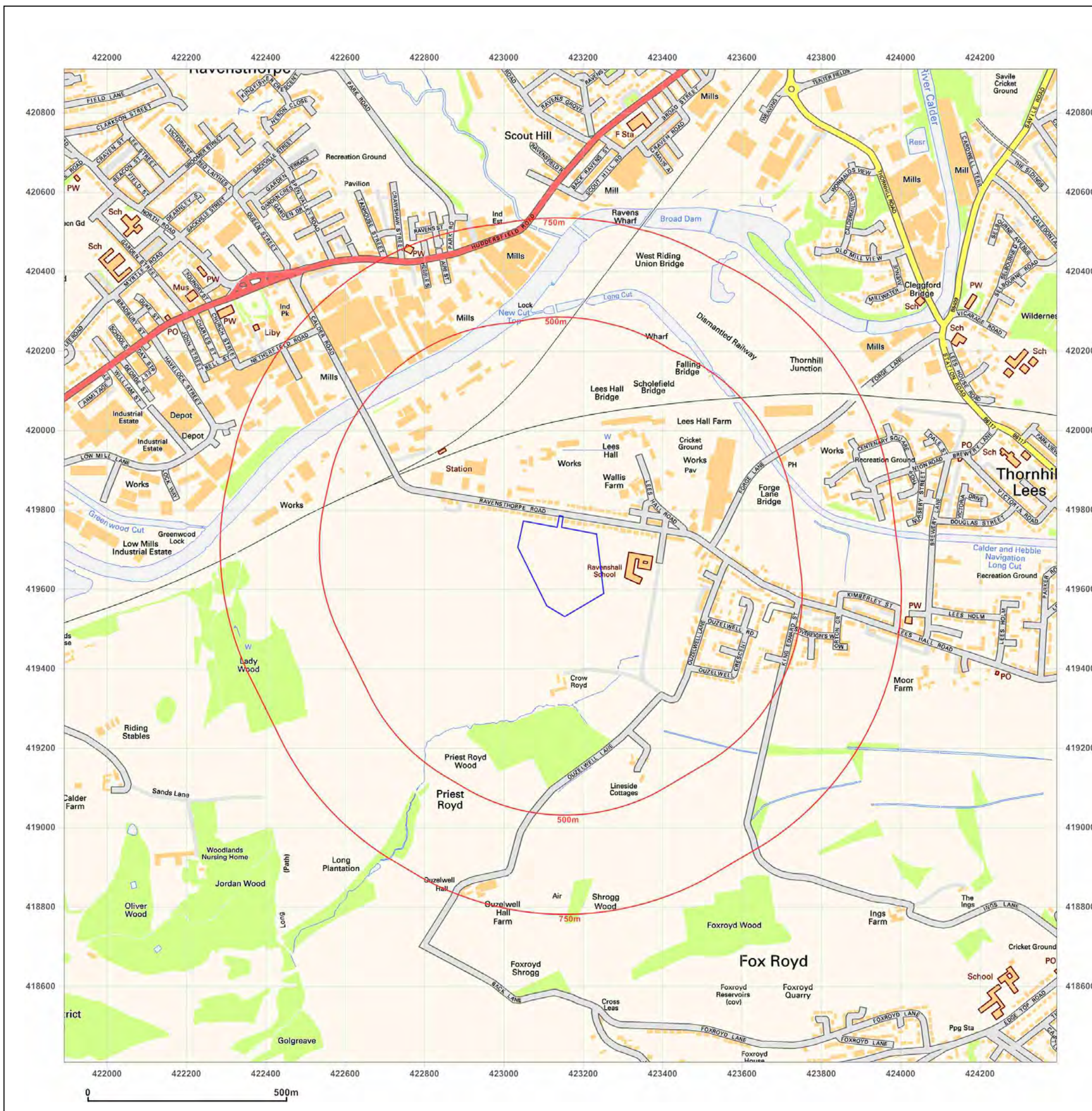


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Site Details:

DEWSBURY RIVERSIDE, OFF
RAVENSTHORPE ROAD,
DEWSBURY, WF12 9EG

Client Ref: C1035_20_E_1613_PO-0934
Report Ref: GS-7086118
Grid Ref: 423142, 419658

Map Name: National Grid

Map date: 2020

Scale: 1:10,000

Printed at: 1:10,000

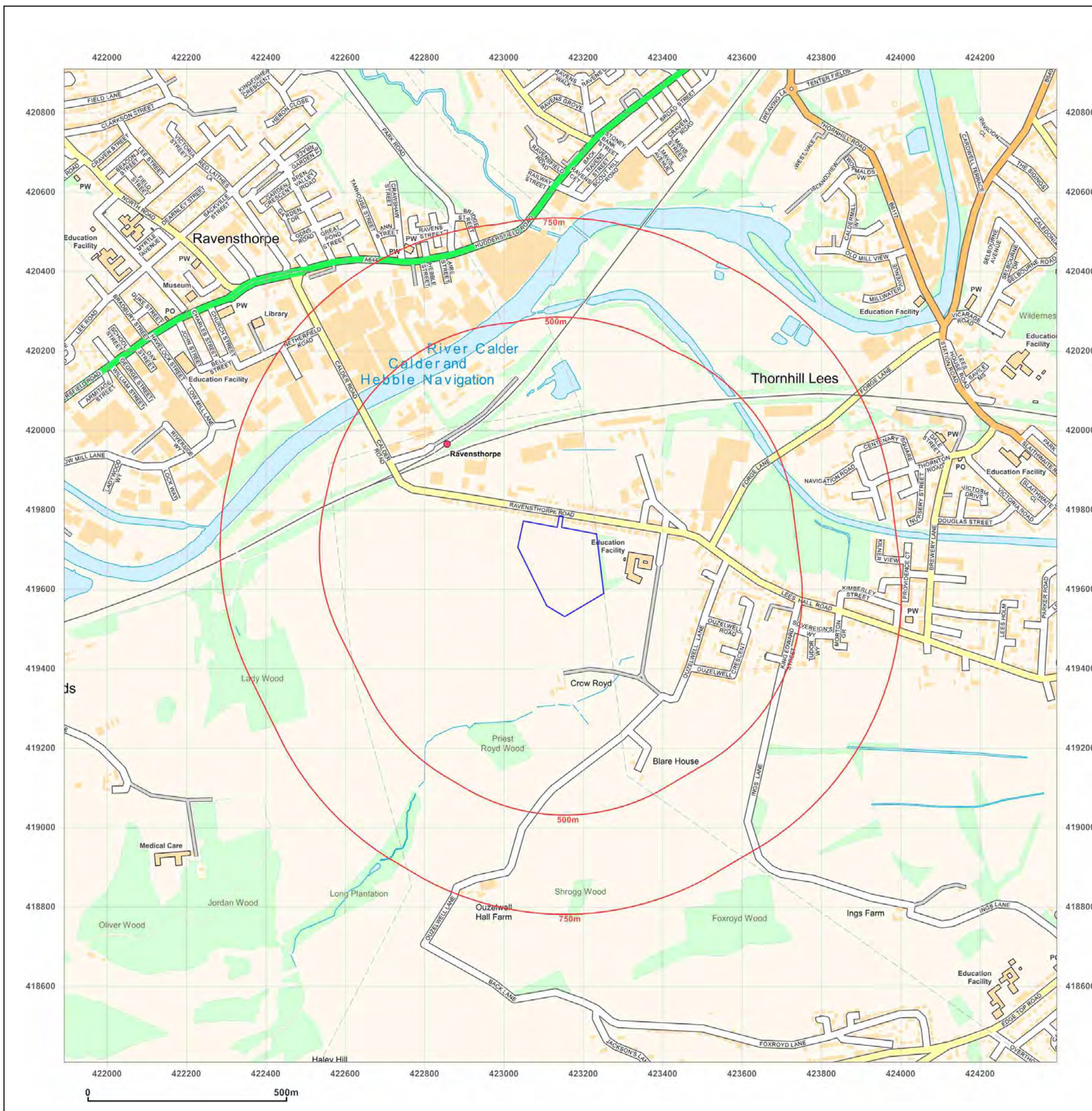


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Production date: 24 September 2020

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Appendix 3

Site Plans



Notes:

Environmental
Geotechnical
Specialists



Rogers **Geotechnical** Services Ltd

Offices 1 & 2, Barncliffe
Business Park,
Near Bank,
Shelley,
Huddersfield,
HD8 8LU

Telephone: 0843 50 66 87
www.rogersgeotech.co.uk

Client:

Kirkless Council

Job Number:

C1035/20/E/1613

Project Details:

Land off Ravensthorpe Road,
Thornhill Lees, Dewsbury

Scale: Not to scale - reference only





Appendix 4

Photographs



Site Entrance from Ravensthorpe Road



View facing West



View towards South



Electricity pylon on eastern boundary



Rogers Geotechnical Services Ltd

Offices 1 & 2, Barncliffe Business Park,
Near Bank, Shelley,
Huddersfield,

Job No:

C1035/20/E/1613

Site:

Land off Ravensthorpe Road,
Dewsbury Riverside,
Thornhill Lees,
Dewsbury,
WF12 9EG

Client:

Kirkless Council





Pit near centre of site with drainage pipe at base



Slope of site—going uphill towards south



Housing present on northern boundary



Looking north towards site entrance



Rogers Geotechnical Services Ltd
 Offices 1 & 2, Barncliffe Business Park,
 Near Bank, Shelley,
 Huddersfield,

Job No:

 C1035/20/E/1613

Site:
 Land off Ravensthorpe Road,
 Dewsbury Riverside,
 Thornhill Lees,
 Dewsbury,
 WF12 9EG

Client:
 Kirkless Council





Appendix 5

Consultants Mining Report



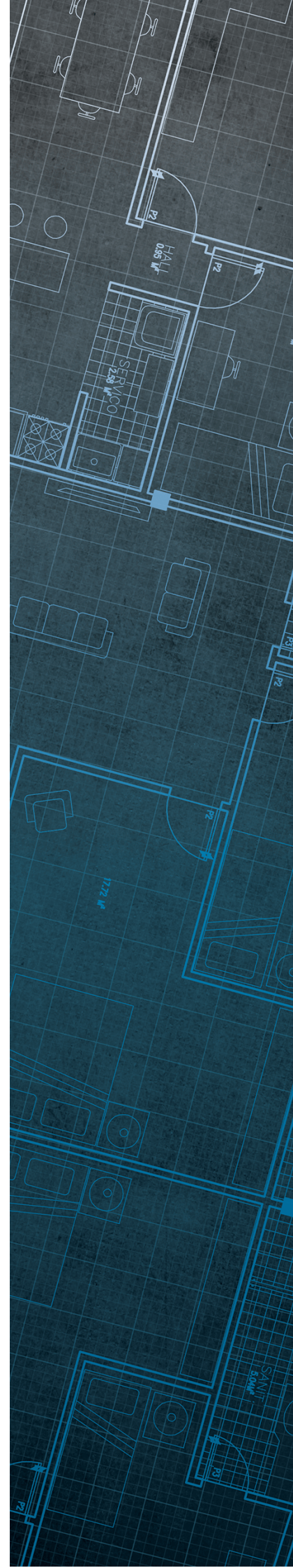
The Coal
Authority

Consultants Coal Mining Report

Dewsbury Riverside
Off Ravensthorpe Road
Dewsbury
Kirklees
WF12 9EG

Date of enquiry:	24 September 2020
Date enquiry received:	24 September 2020
Issue date:	24 September 2020

Our reference:	51002301761001
Your reference:	C1035/20/E/1613



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

ROGERS GEOTECHNICAL SERVICES LTD

Enquiry address

Dewsbury Riverside
Off Ravensthorpe Road
Dewsbury
Kirklees
WF12 9EG

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

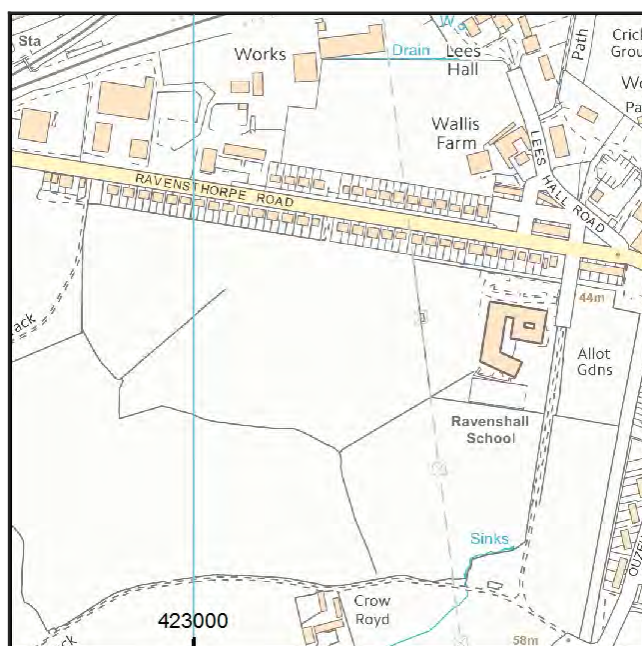
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	MIDDLETON MAIN	Coal	6NF8	13	Beneath Property	3.0	South-East	114	1833
unnamed	BLACK BED	Coal	6NGA	191	Beneath Property	2.5	North-East	76	1905

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	423419-004	423282 419592		Coal	
Shaft	423419-005	423203 419656		Coal	
Shaft	423419-006	423184 419672		Coal	
Shaft	423419-008	423141 419838		Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

11057	10527	14475
NE640	NE774	NE773
PO0	NE108	FGB814

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
MIDDLETON LITTLE	Coal	Yes	Within	N/A	116

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

Please refer to the "Summary of findings" map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

Distance to site remediation (m)	Direction
30.5	East

See Section 4 for further information.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

Remediated sites

The site is within an area of previous interest. It is close to where the Coal Authority has investigated and where necessary remediated mine entries and/or shallow coal mine workings following specific reported hazards.

The site requires further investigation and may influence your risk assessment. We recommend that you order the Coal Authority **Surface Hazards Incident Report**, which will include more information about the hazard.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

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The map highlights any specific surface or subsurface features within or near to the boundary of the site.

