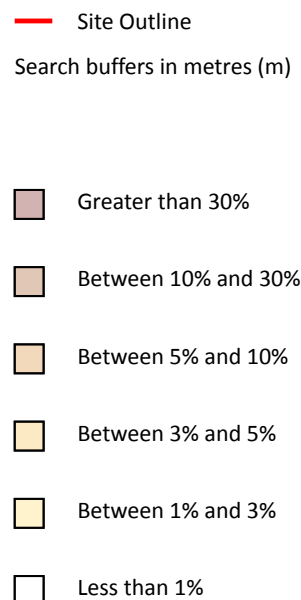


20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 90](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 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.



22 Railway infrastructure and projects

22.1 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.

22.2 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.

22.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m**0**

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.

This data is sourced from Ordnance Survey/Groundsure.

22.5 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.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 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

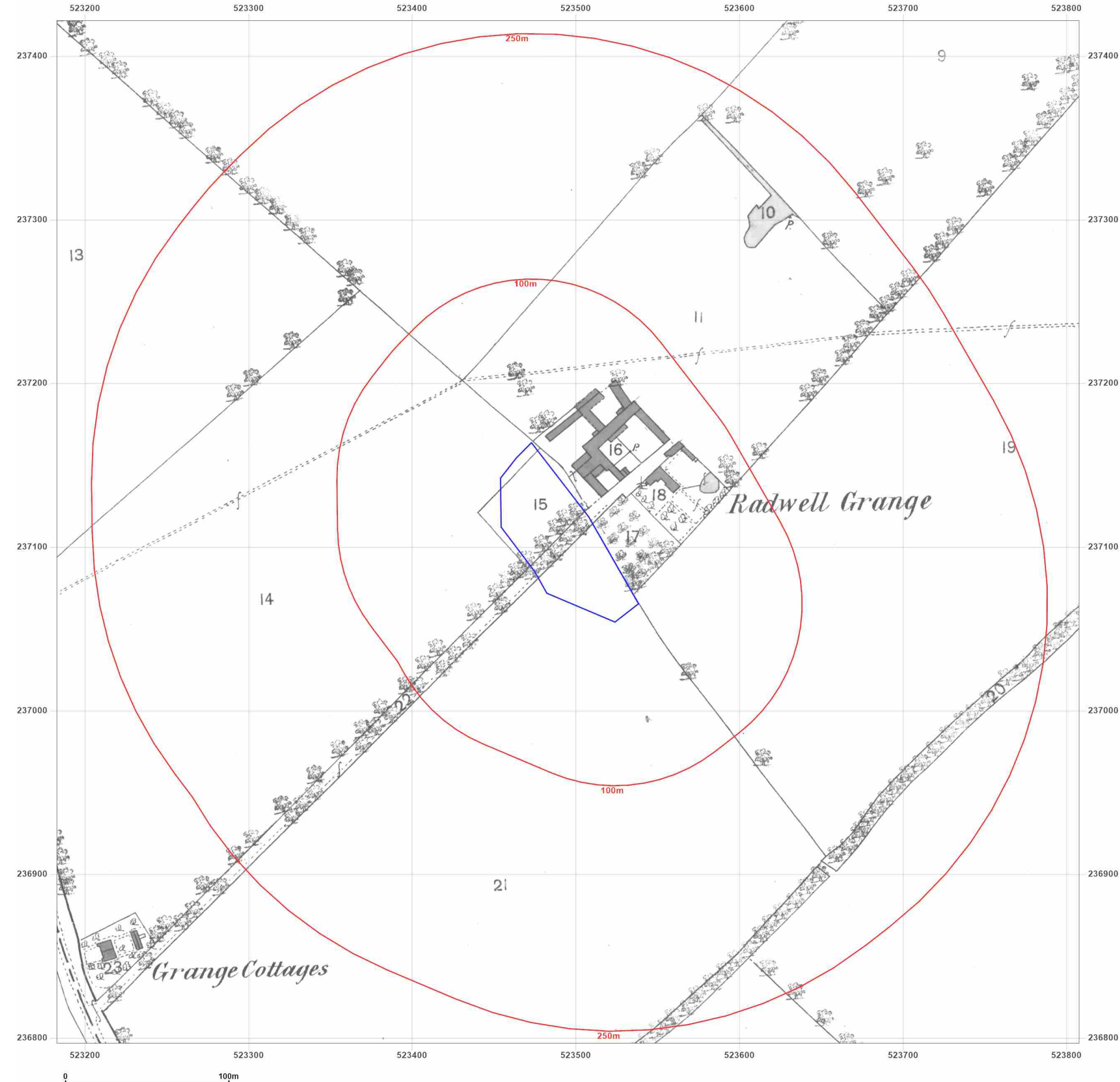
Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

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APPENDIX C



EMAPSITE™

Site Details:

unspecified

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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: County Series

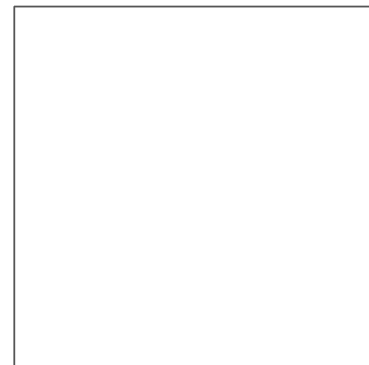
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1877
Revised 1877
Edition N/A
Copyright N/A
Levelled N/A



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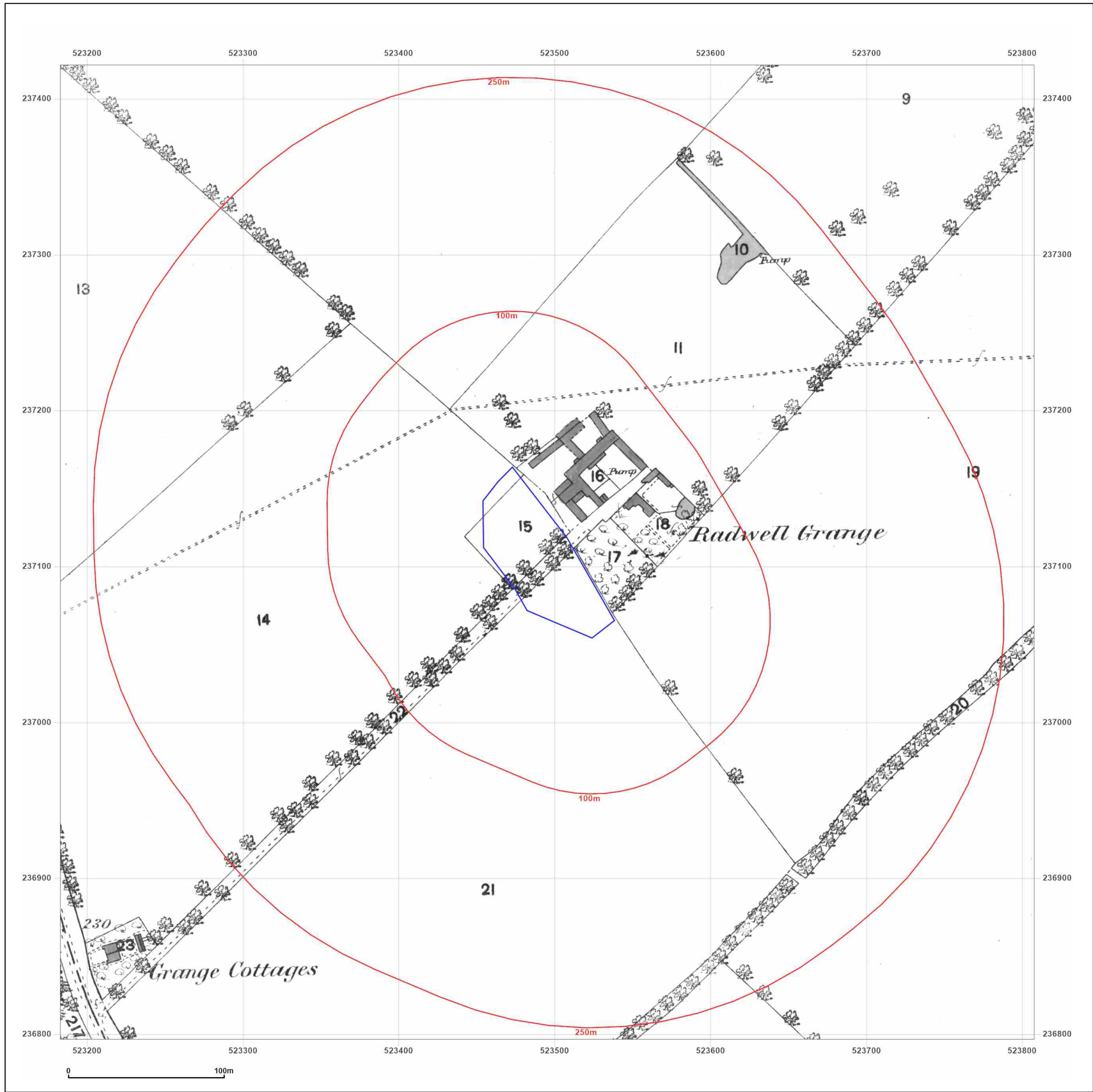


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Site Details:

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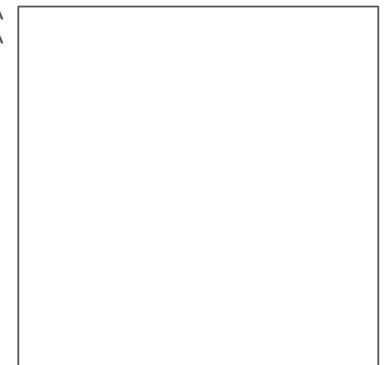
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Surveyed 1882
Revised 1882
Edition N/A
Copyright N/A
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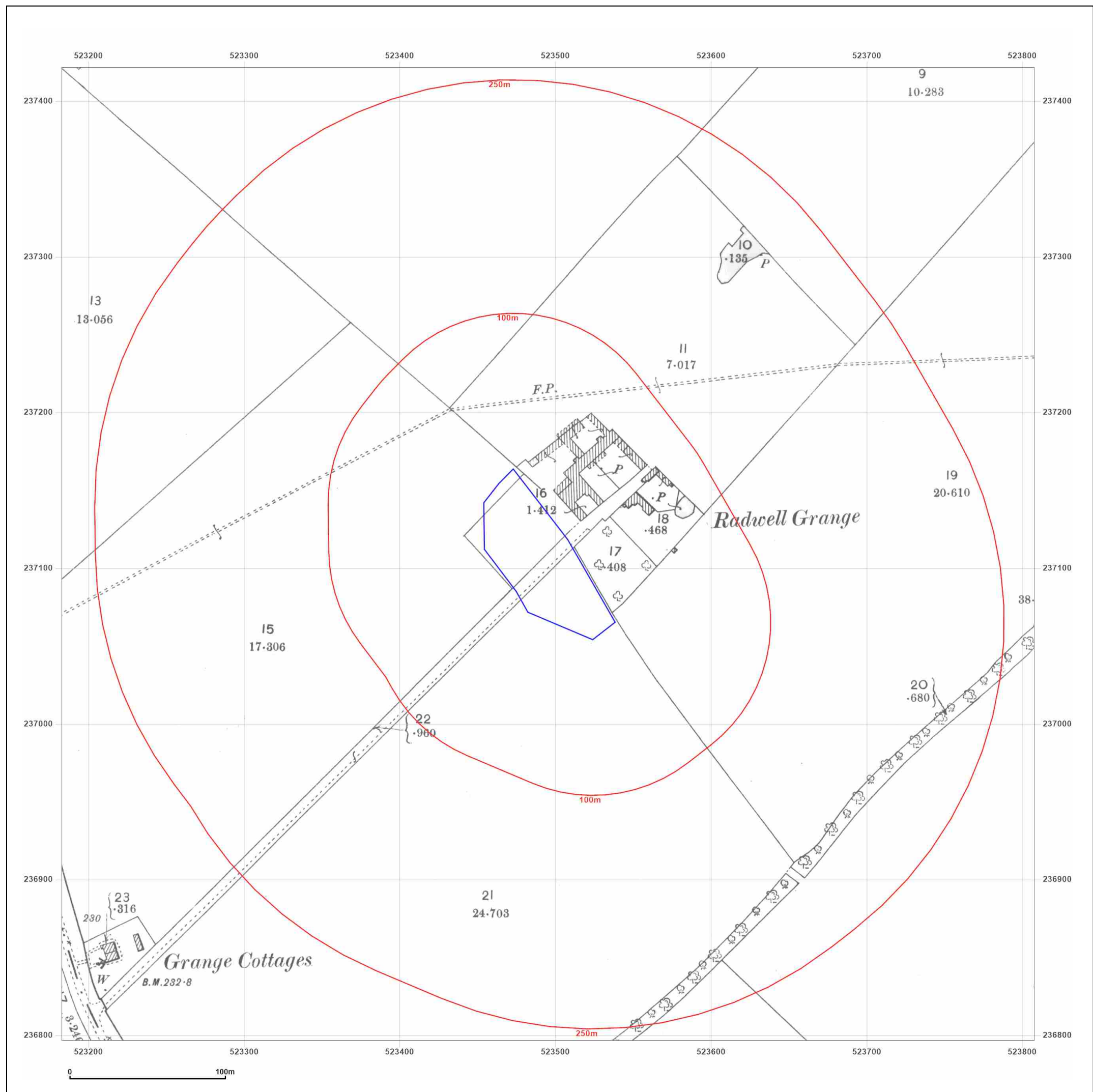


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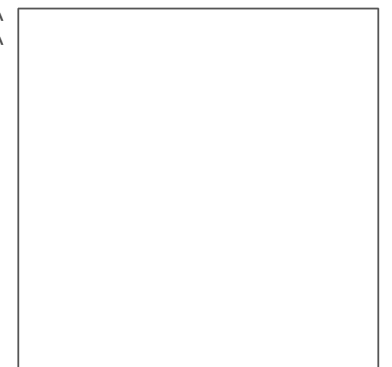
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A



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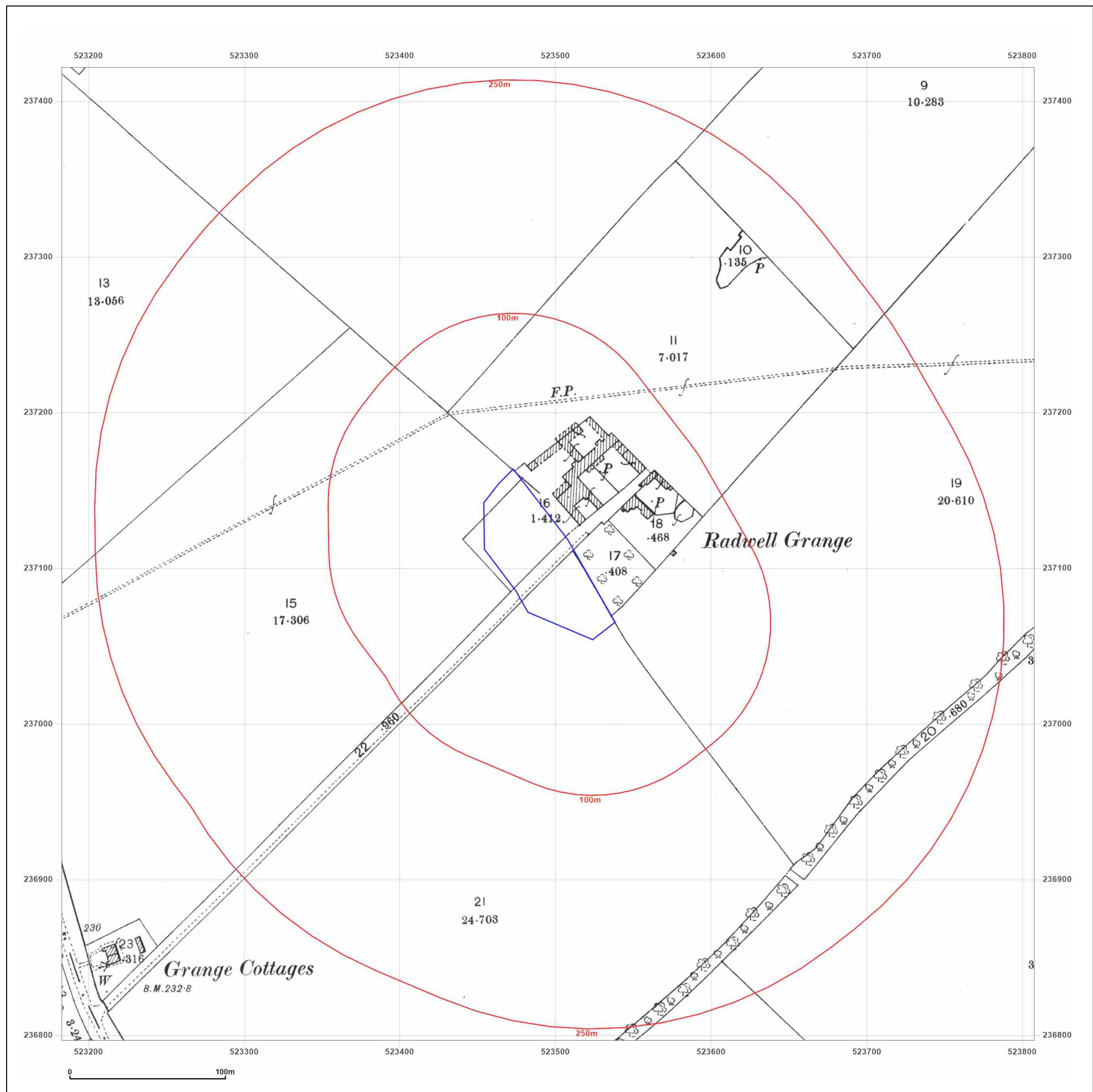


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Report Ref: EMS-994989_1259979
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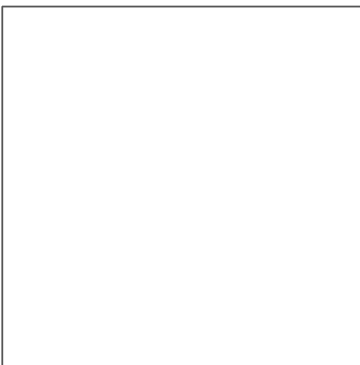
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A



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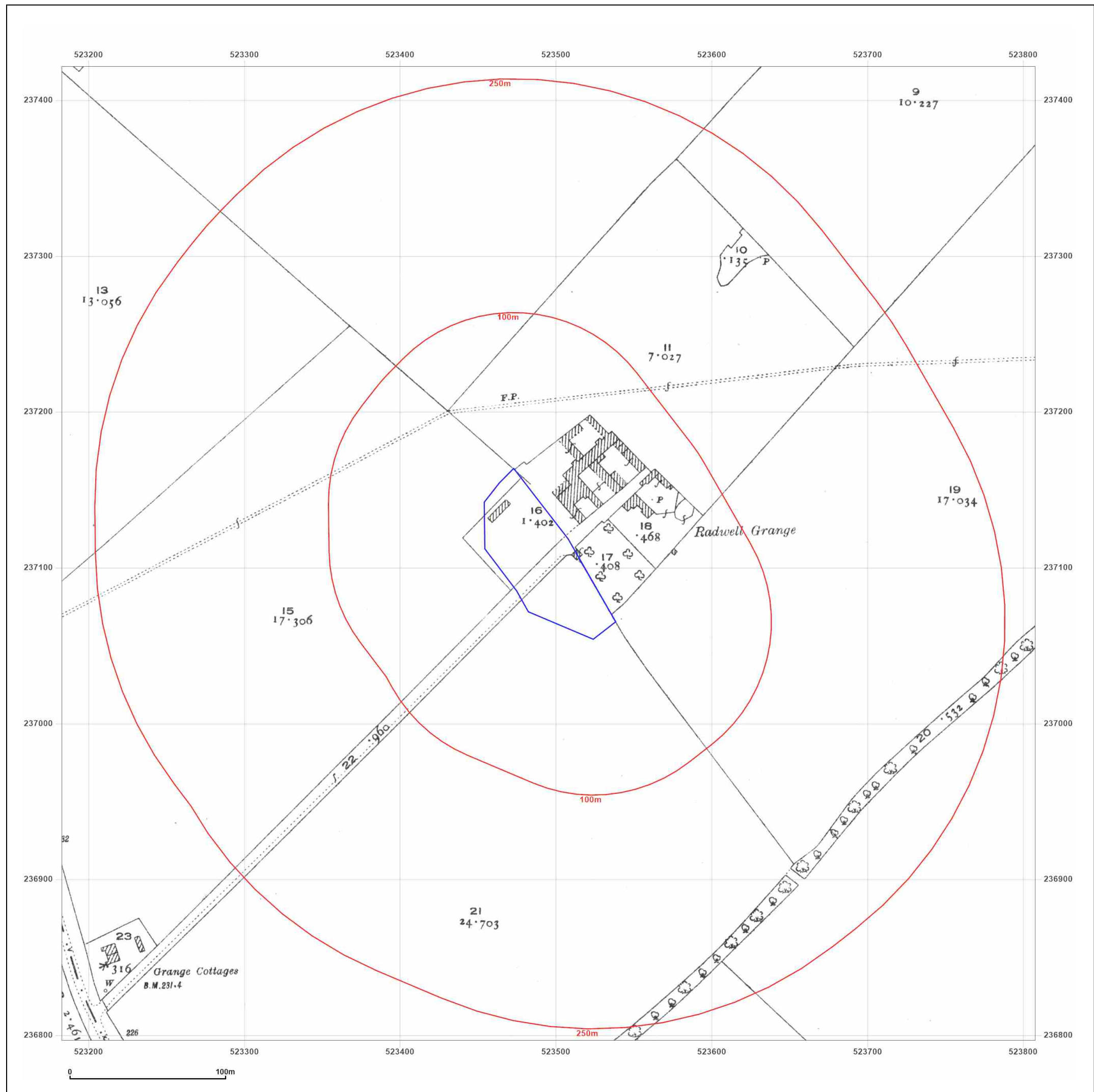


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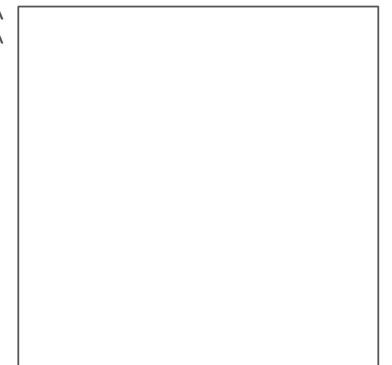
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Scale: 1:2,500

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Surveyed 1924
Revised 1924
Edition N/A
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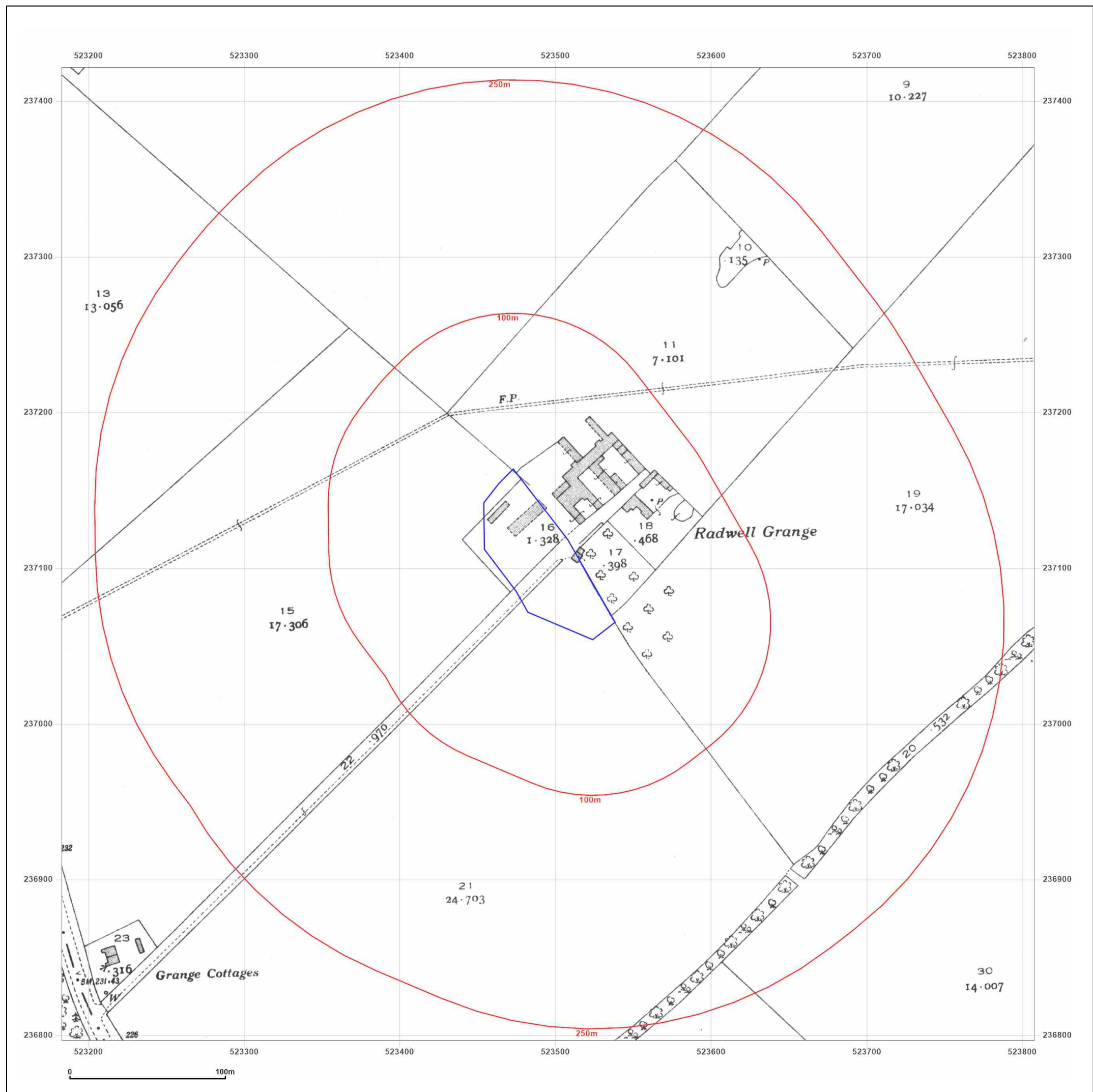


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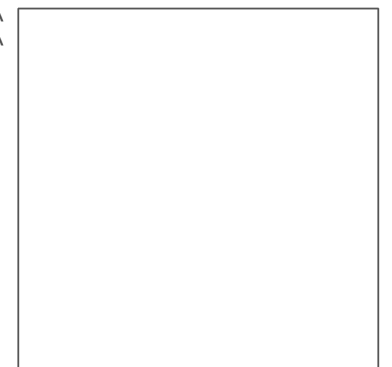
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Surveyed 1938
Revised 1938
Edition N/A
Copyright N/A
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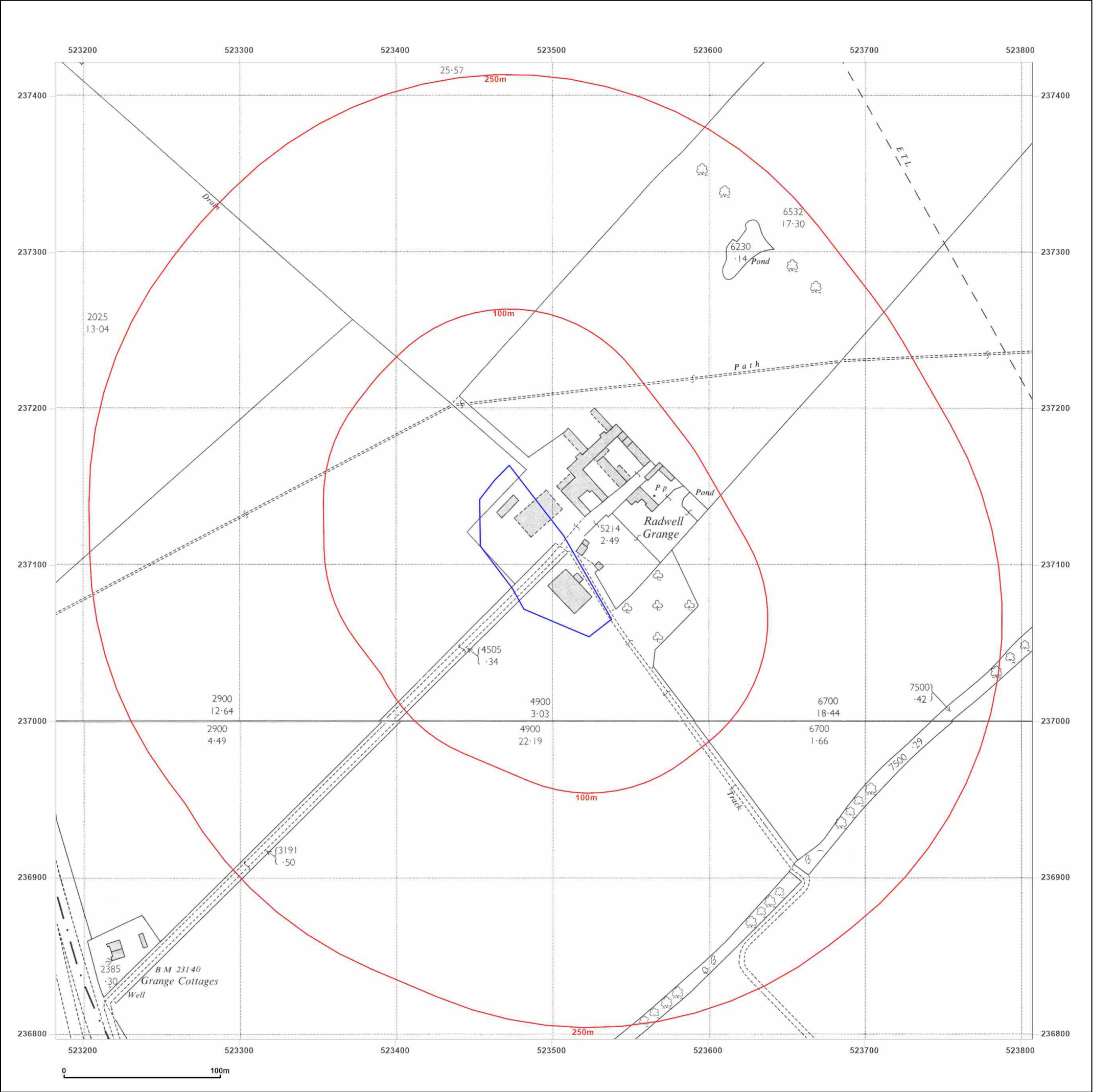


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Map Name: National Grid

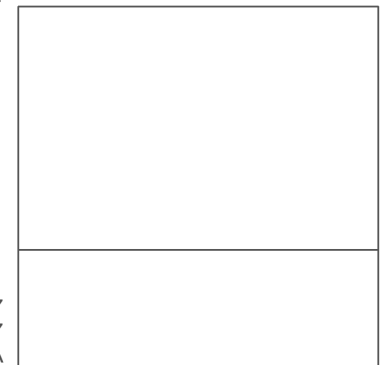
Map date: 1968

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1967
Edition N/A
Copyright 1968
Levelled 1964



Surveyed 1967
Revised 1967
Edition N/A
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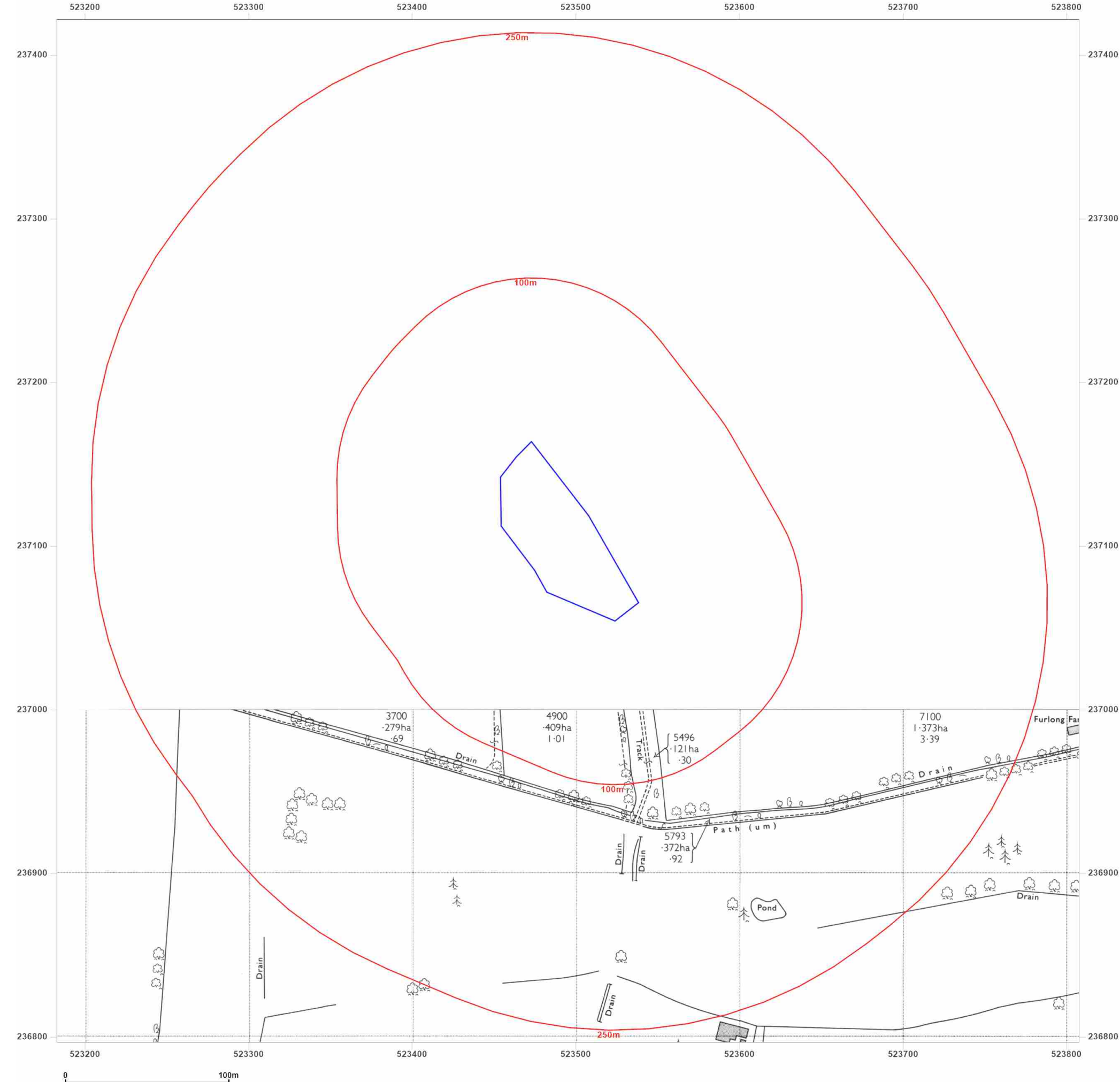


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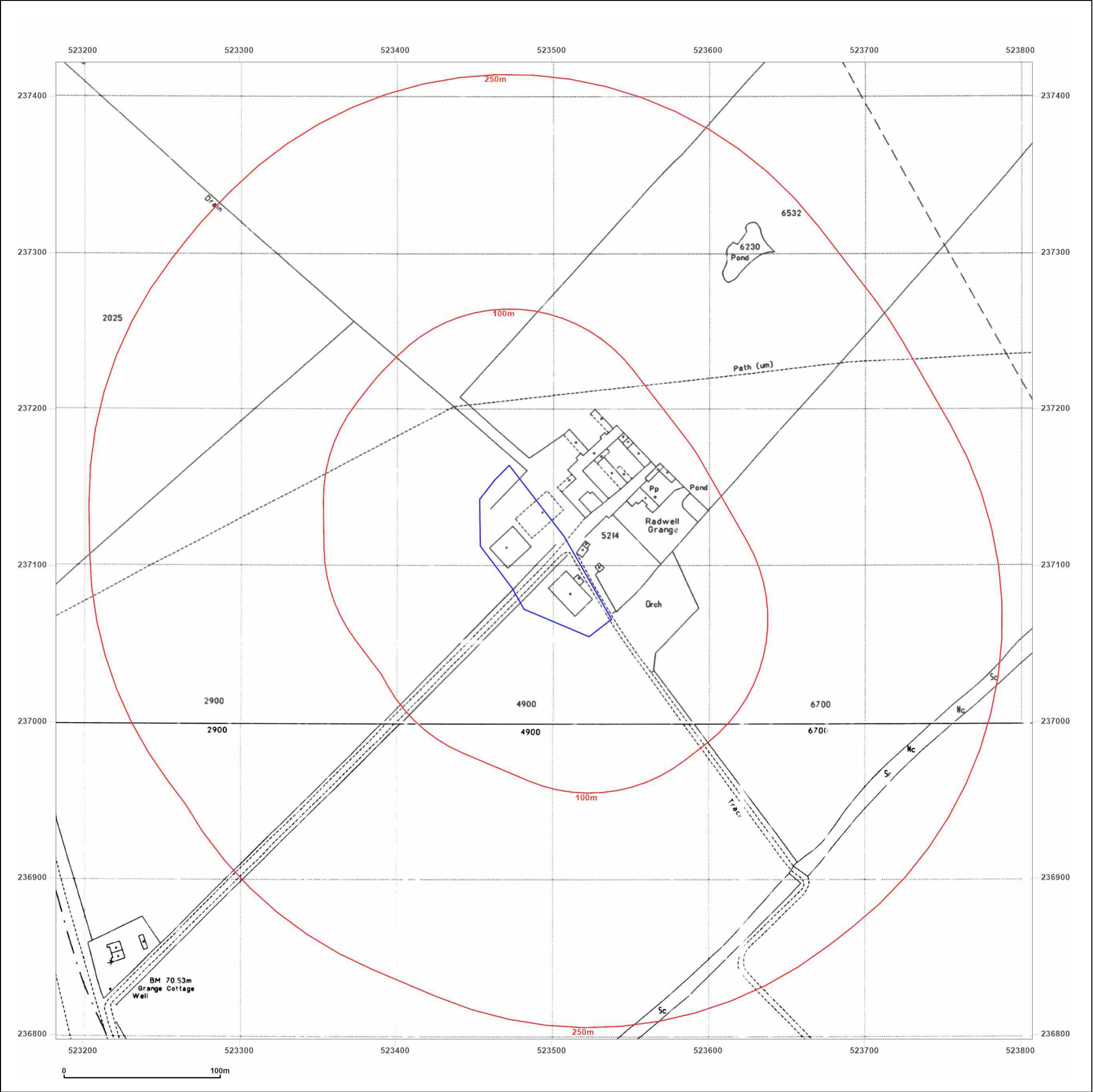
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Grid Ref: 523495, 237109

Map Name: National Grid
Map date: 1974
Scale: 1:2,500
Printed at: 1:2,500

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
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Revised N/A
Edition N/A
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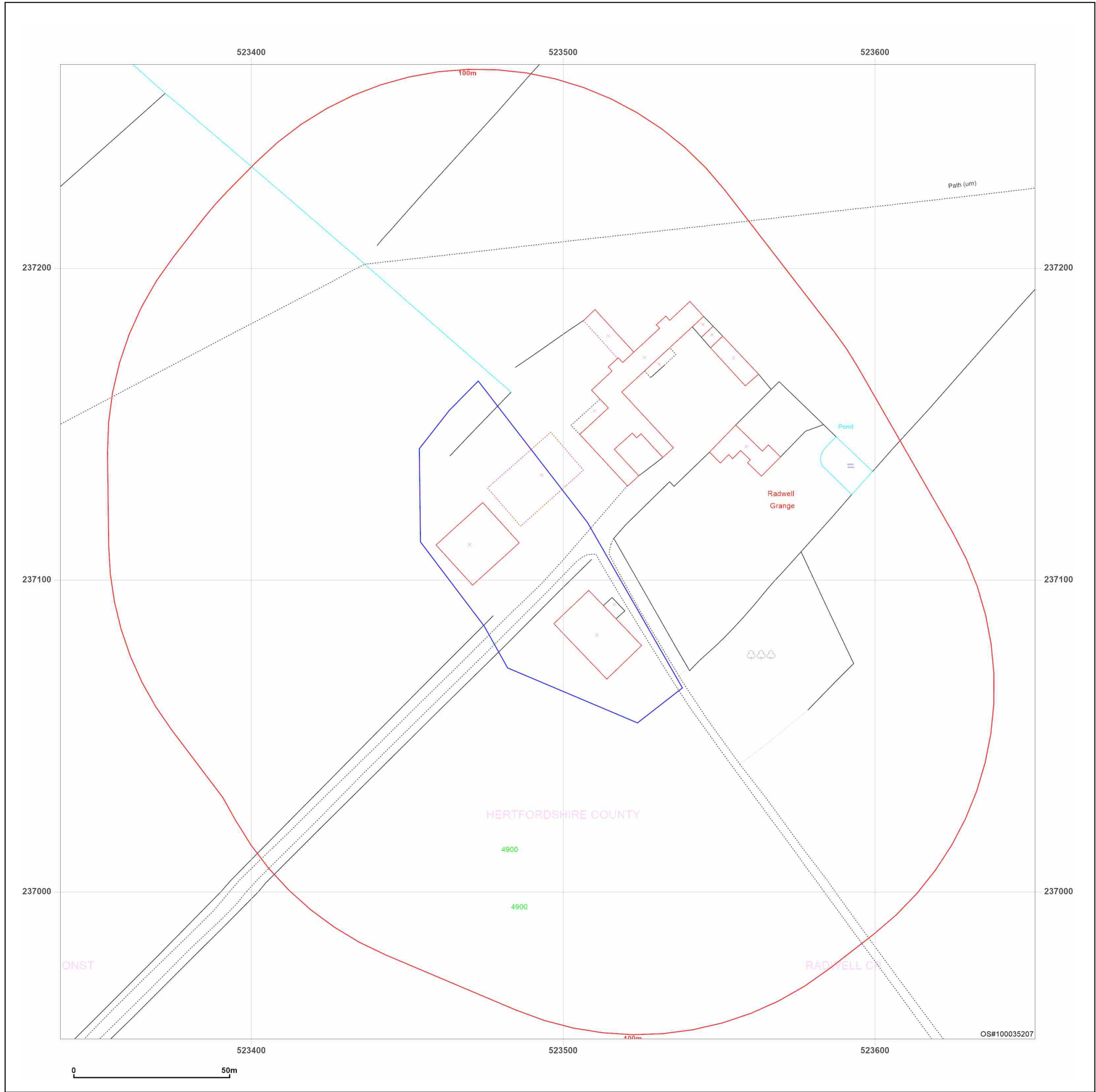


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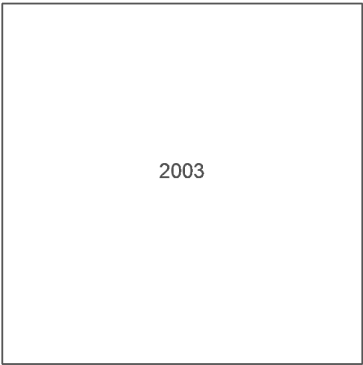
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Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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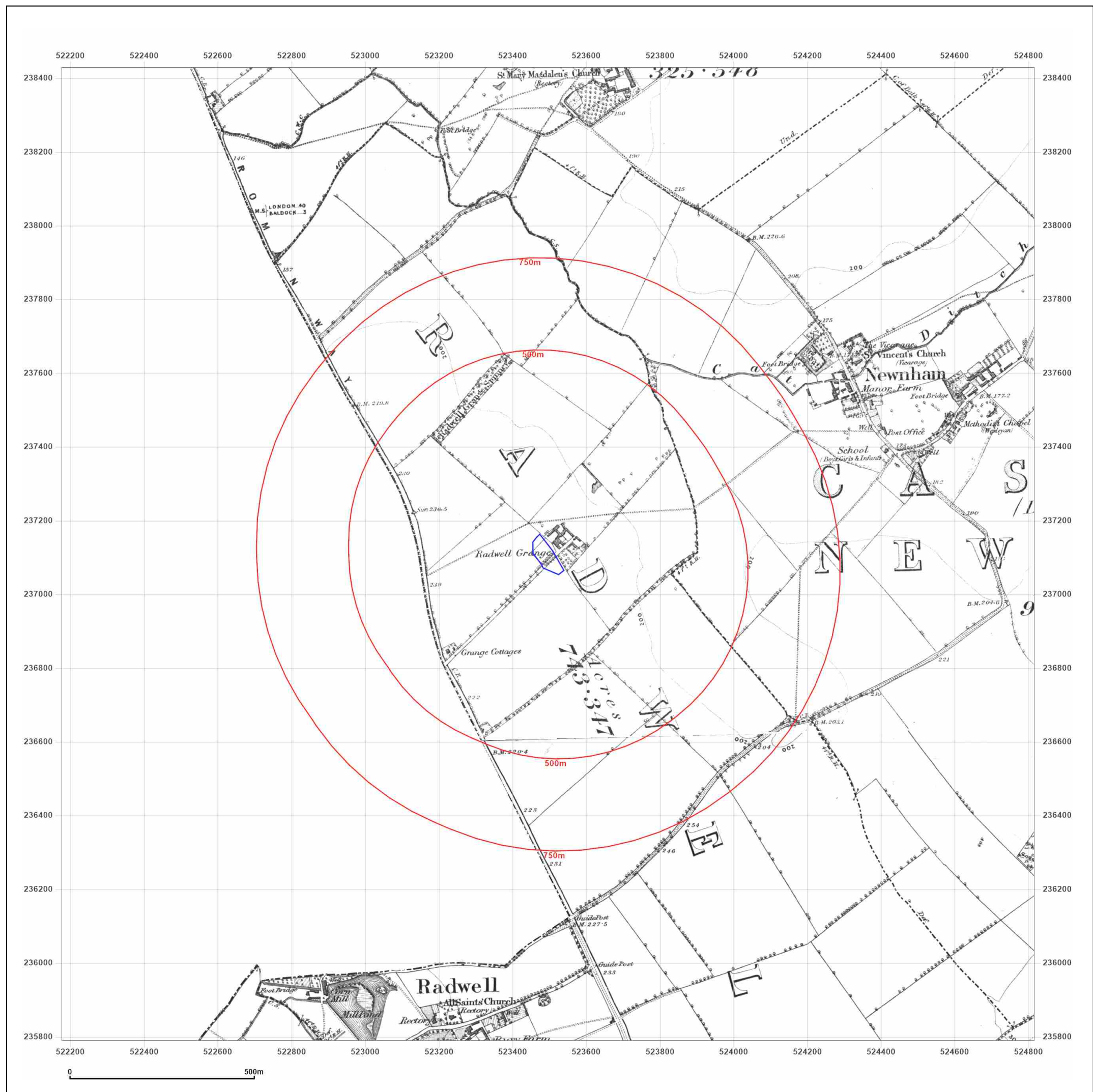


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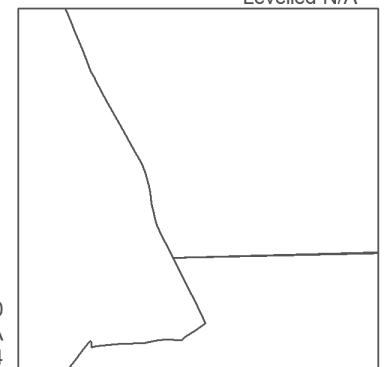
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Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1877
Revised 1877
Edition 1882
Copyright N/A
Levelled N/A



Surveyed 1880
Revised N/A
Edition 1884
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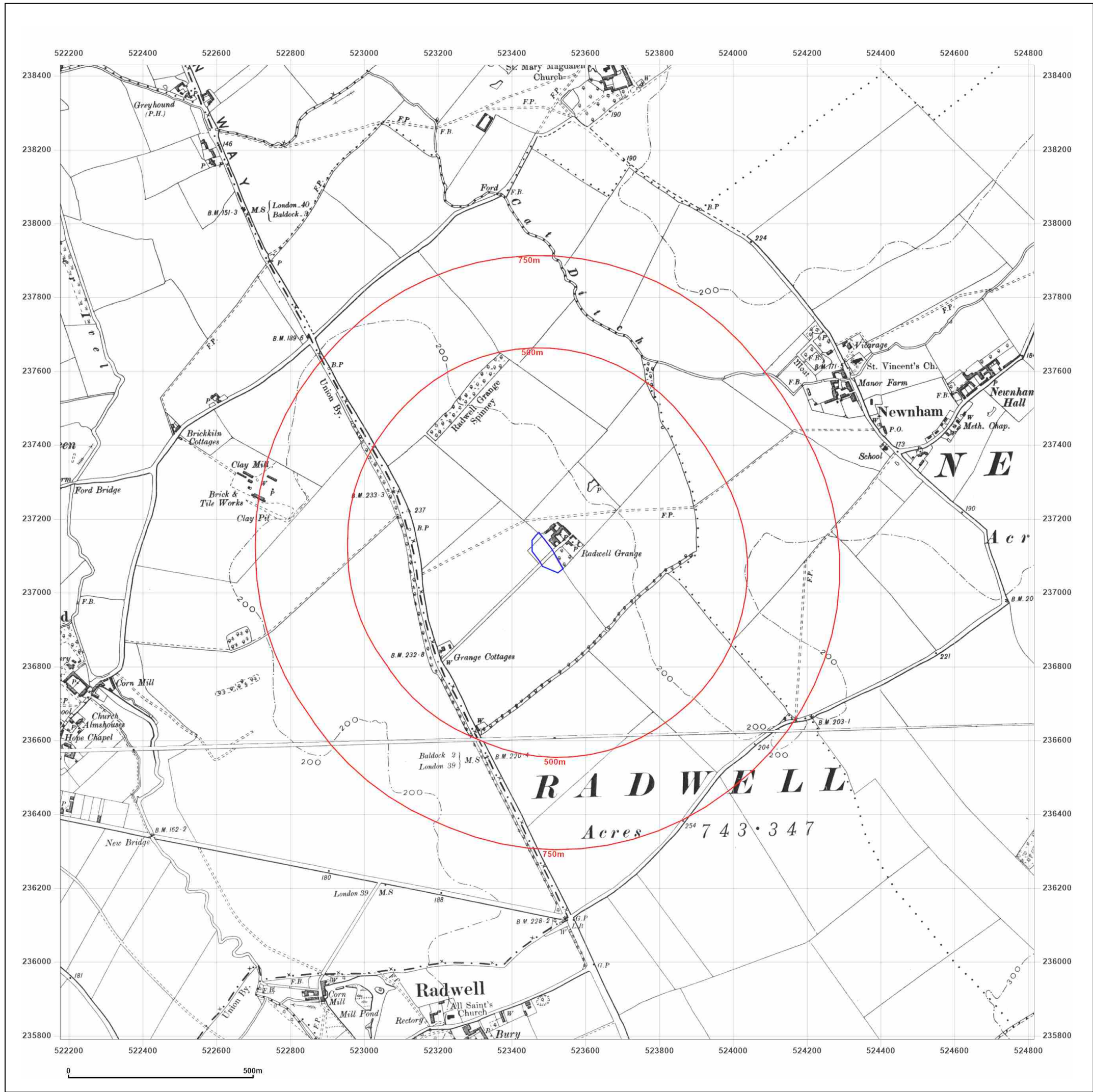


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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: County Series

Map date: 1899

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1877
Revised 1899
Edition N/A
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Levelled N/A

Surveyed 1879
Revised 1899
Edition N/A
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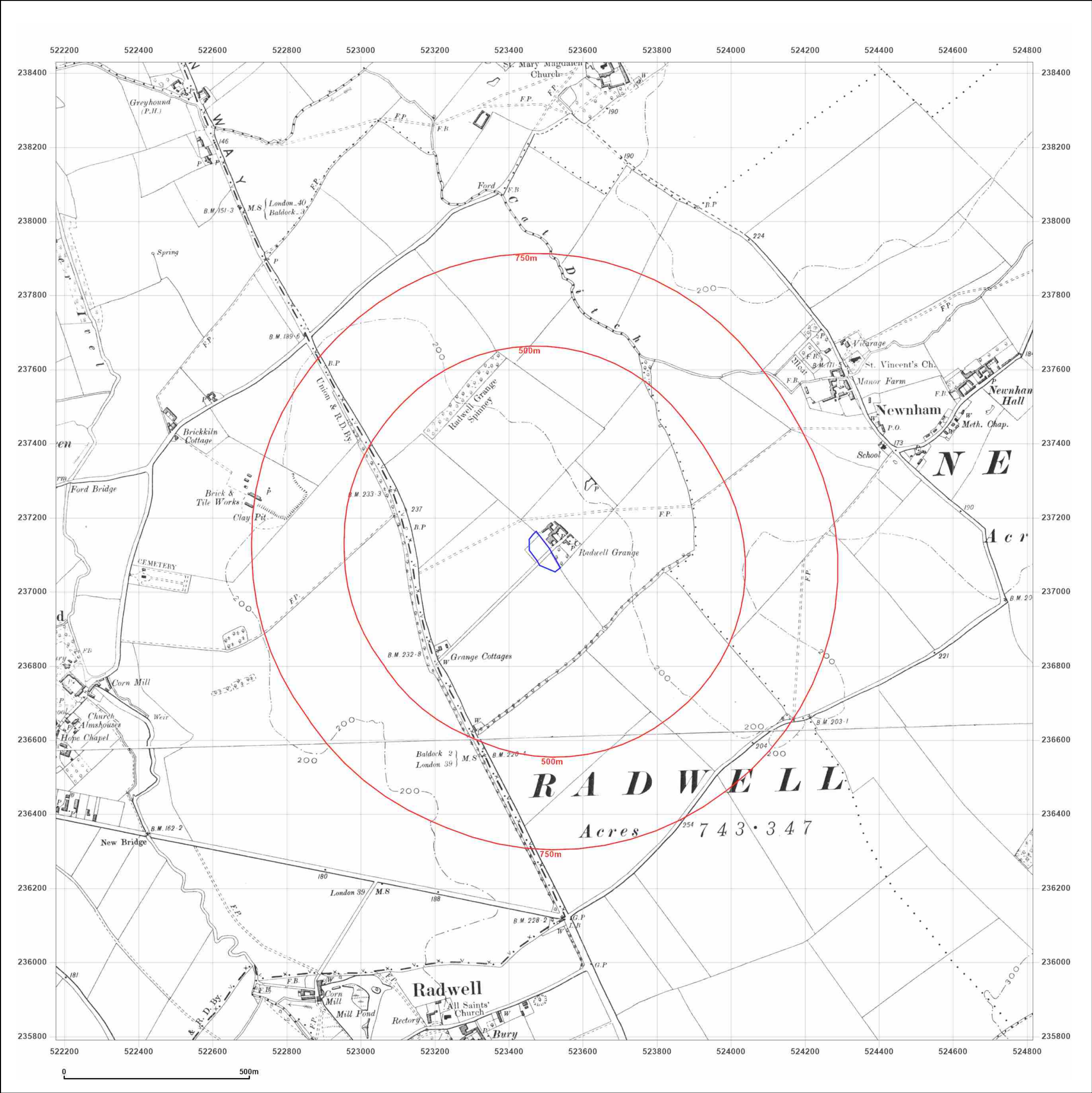


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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: County Series

Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
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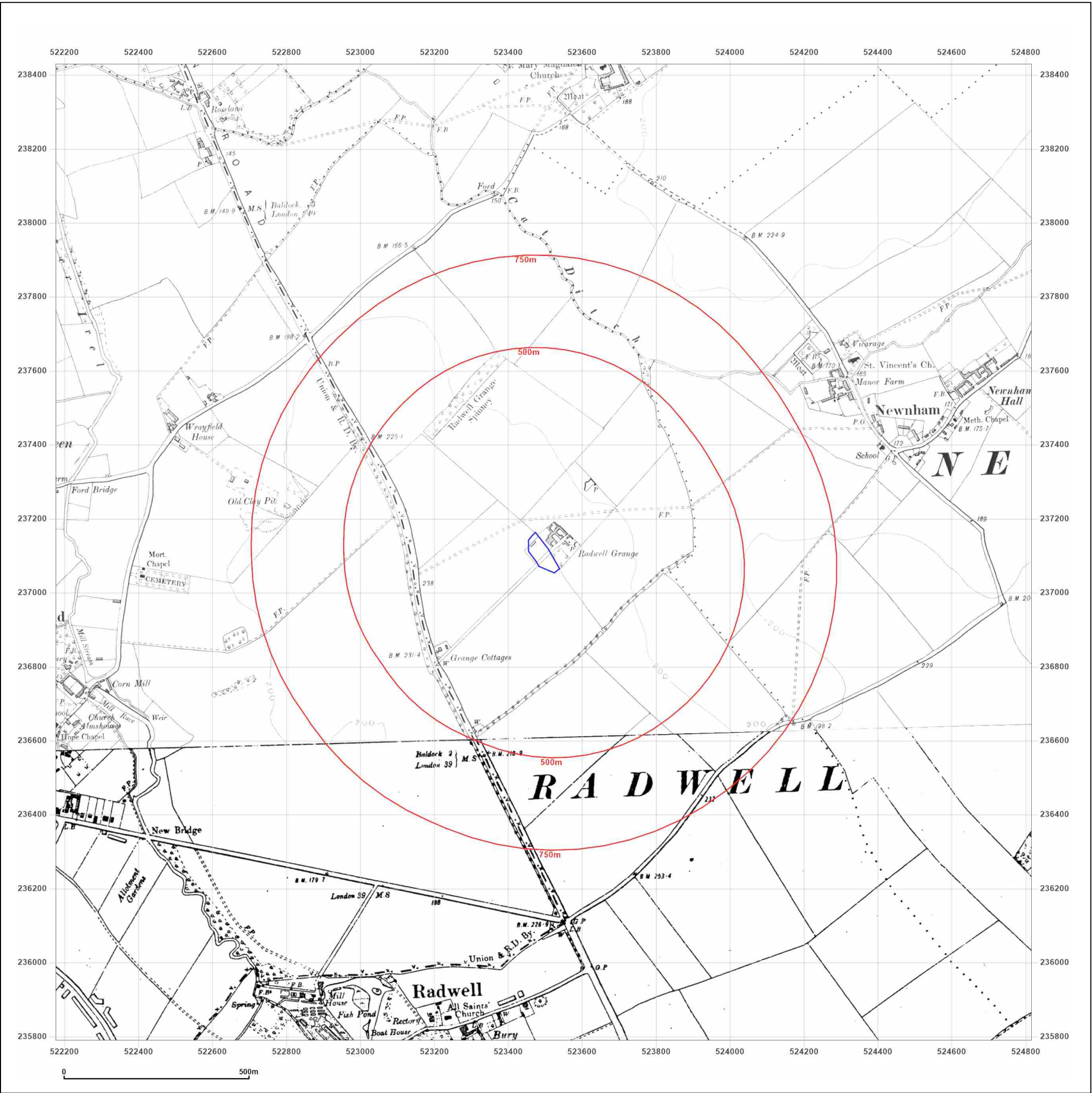


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unspecified

Client Ref: EMS_994989_1239013
Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: County Series

Map date: 1920-1921

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1921
Edition N/A
Copyright N/A
Levelled N/A

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



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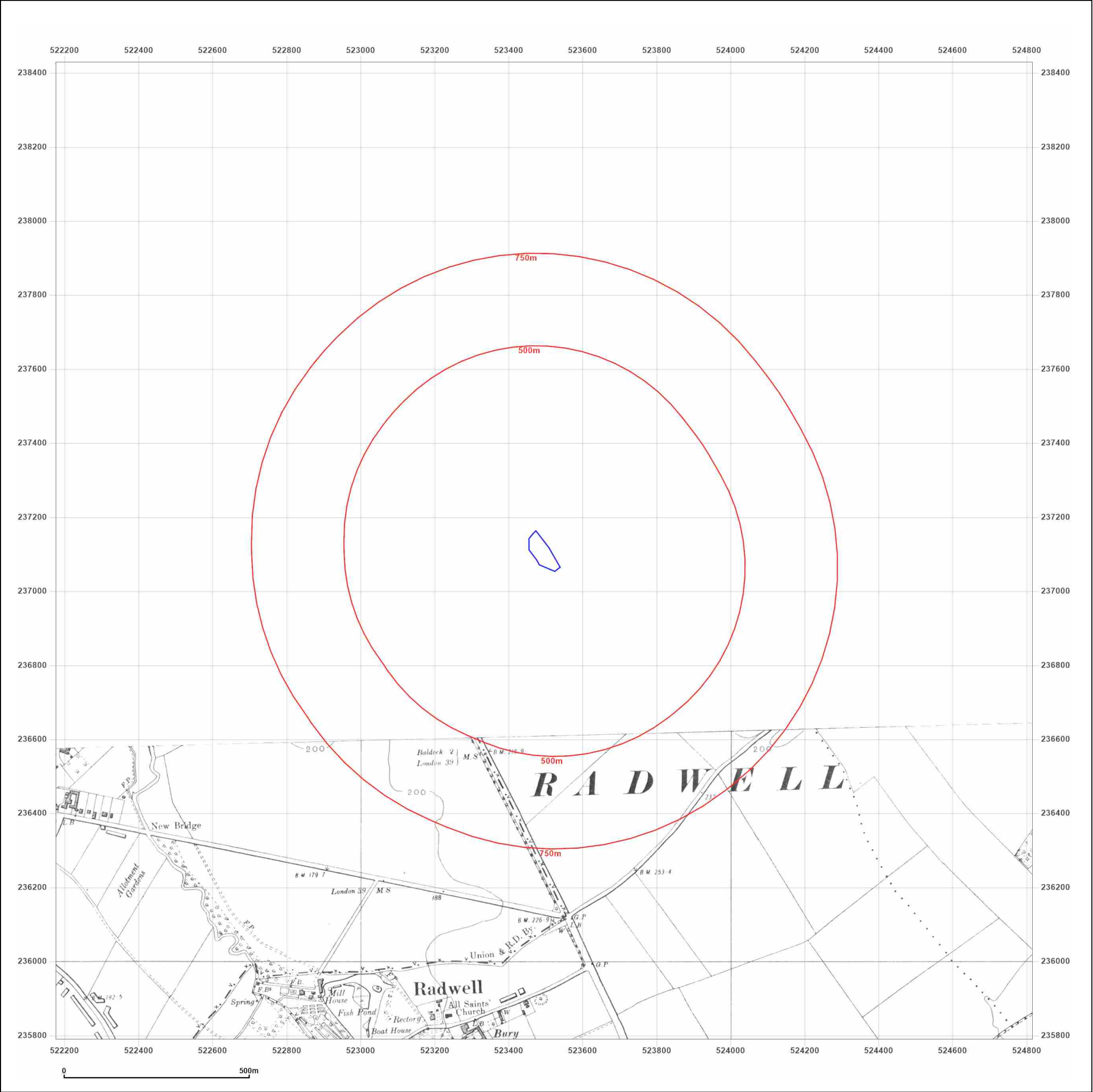


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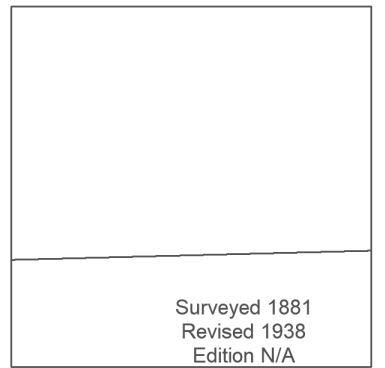
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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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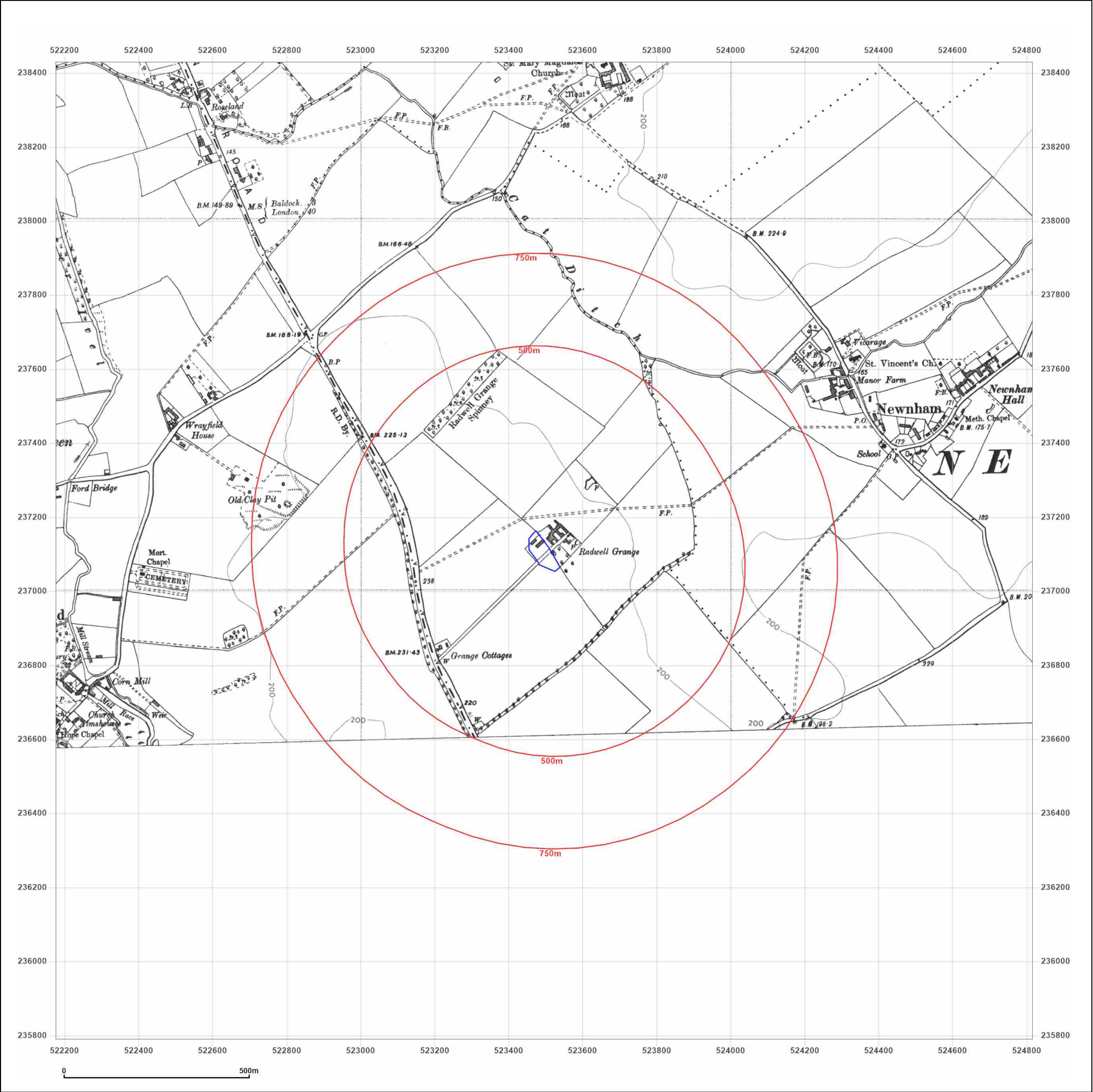


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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1948
Edition N/A
Copyright N/A
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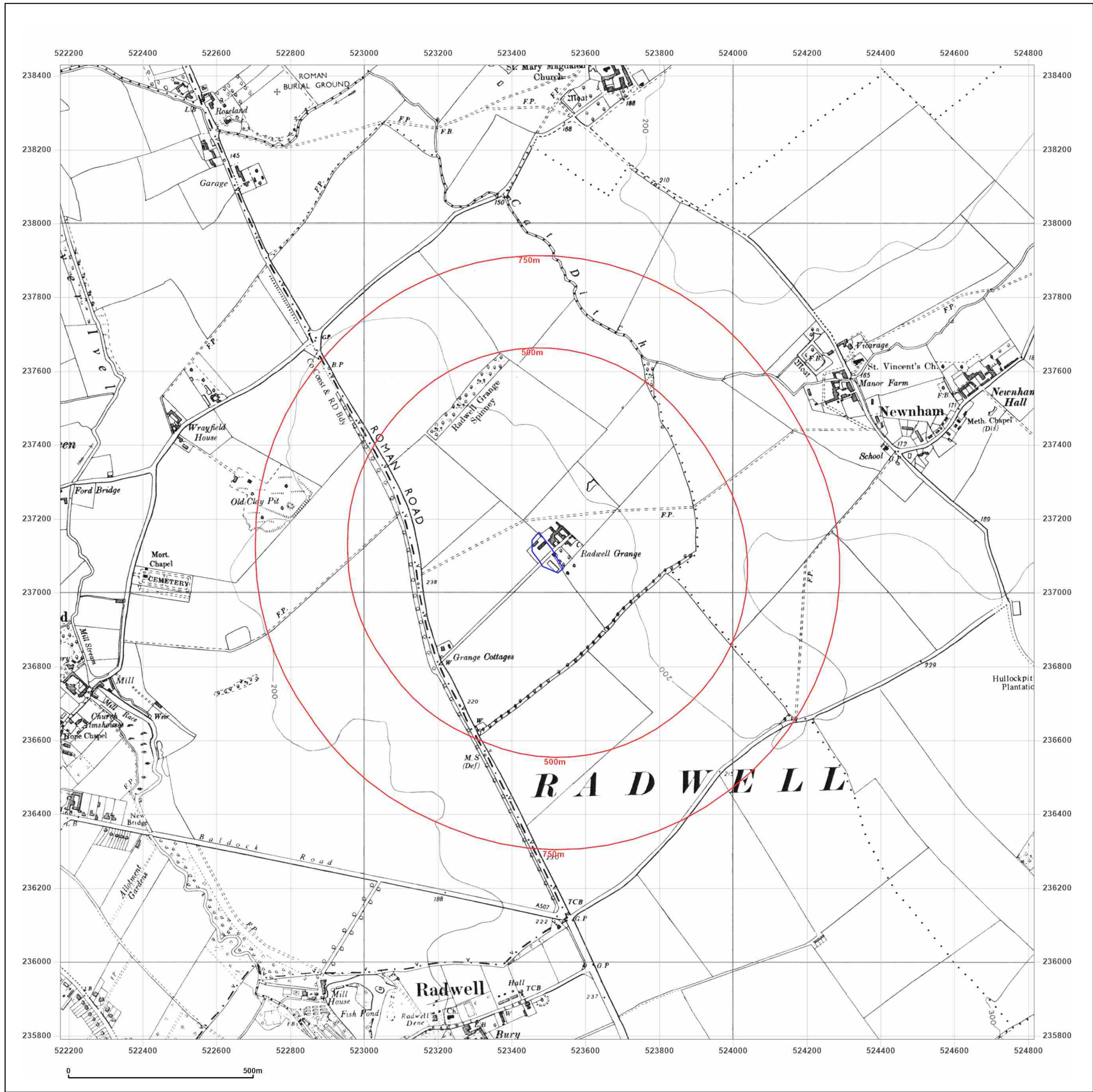


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Site Details:

unspecified

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Grid Ref: 523495, 237109

Map Name: Provisional

Map date: 1959

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1959
Edition N/A
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Levelled N/A



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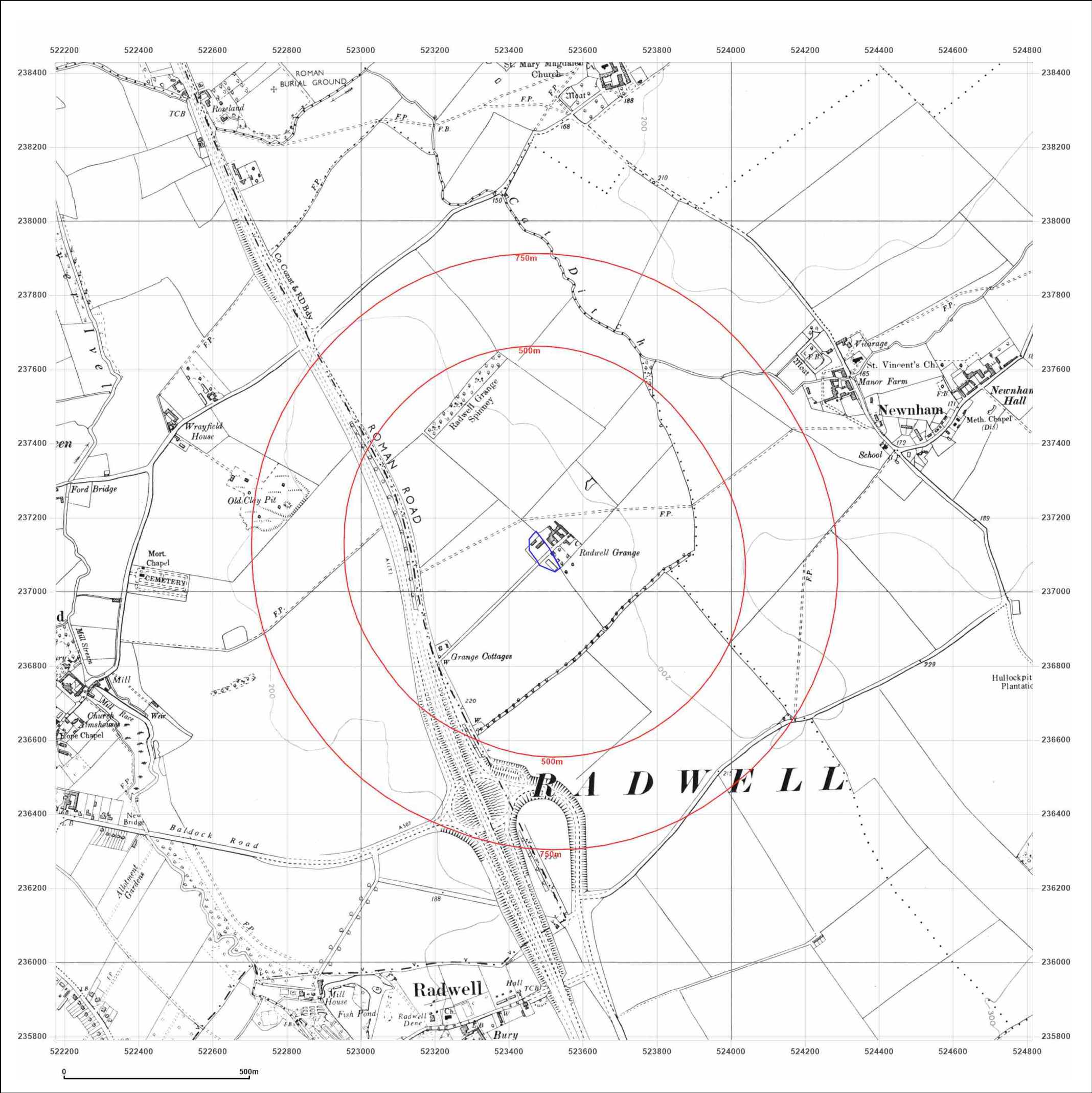


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Grid Ref: 523495, 237109

Map Name: Provisional

Map date: 1968

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1968
Edition N/A
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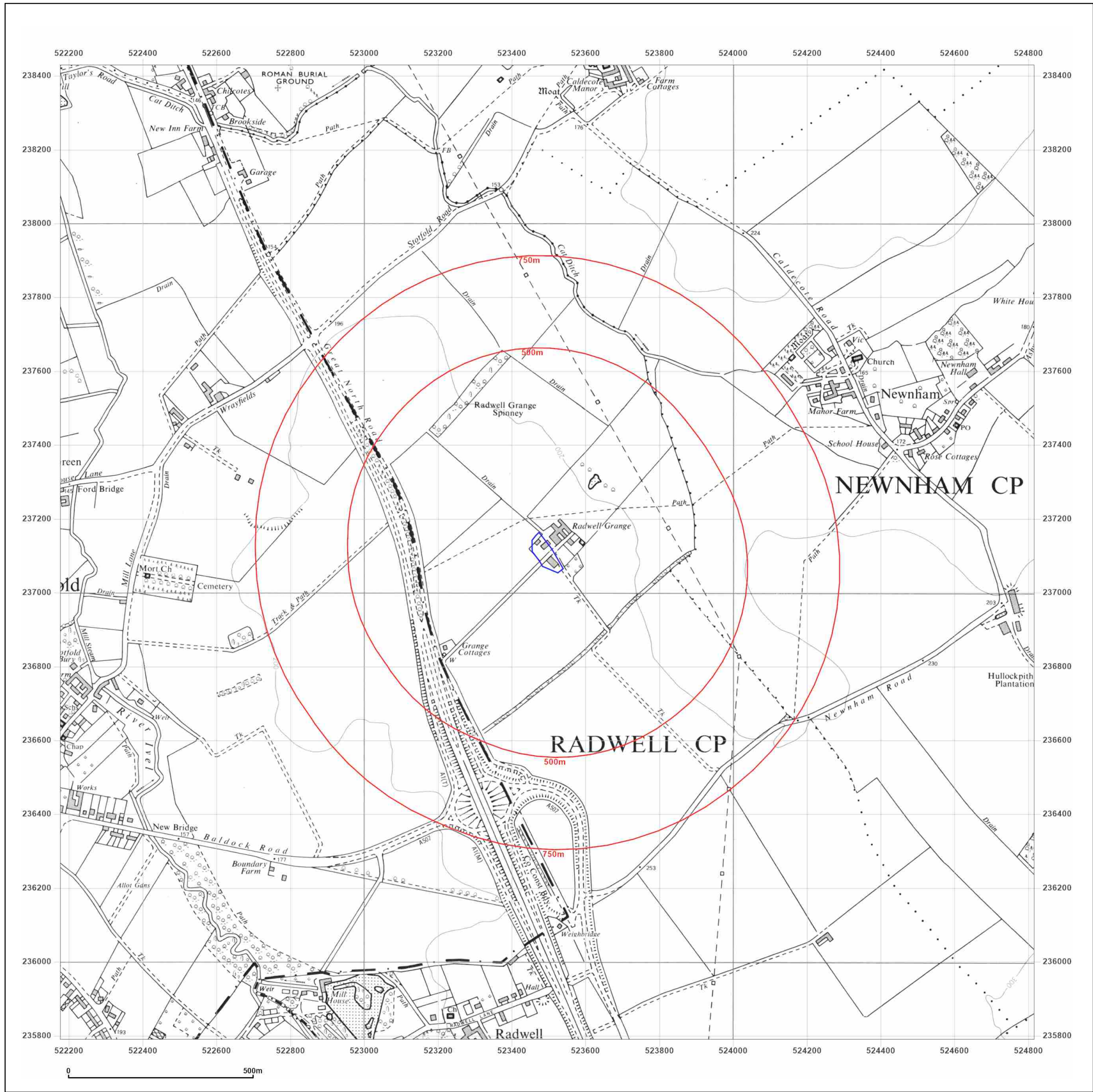


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Site Details:

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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: Provisional

Map date: 1969

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1969
Revised 1969
Edition N/A
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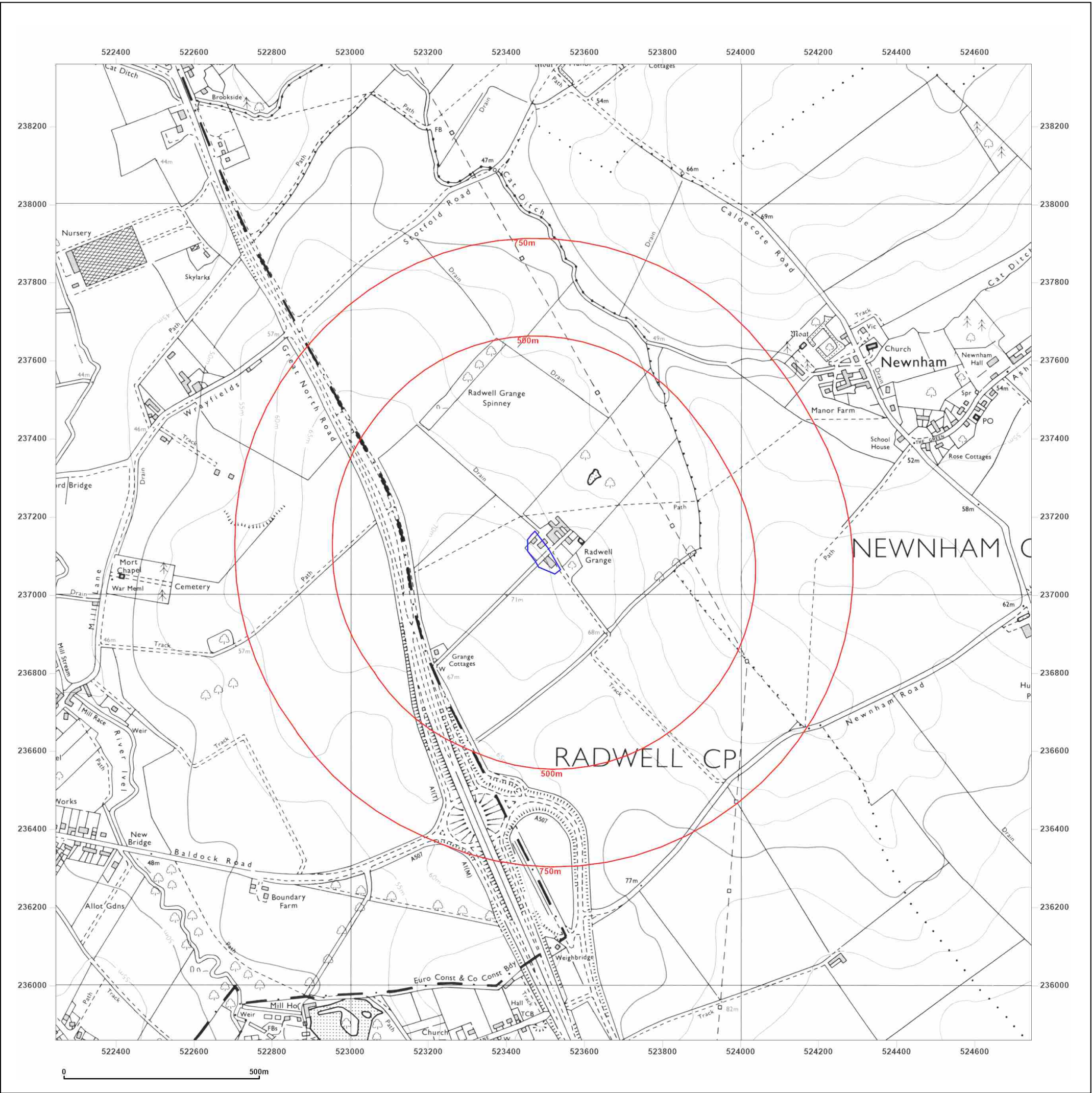


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Production date: 13 January 2025

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Site Details:

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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: National Grid

Map date: 1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1983
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A



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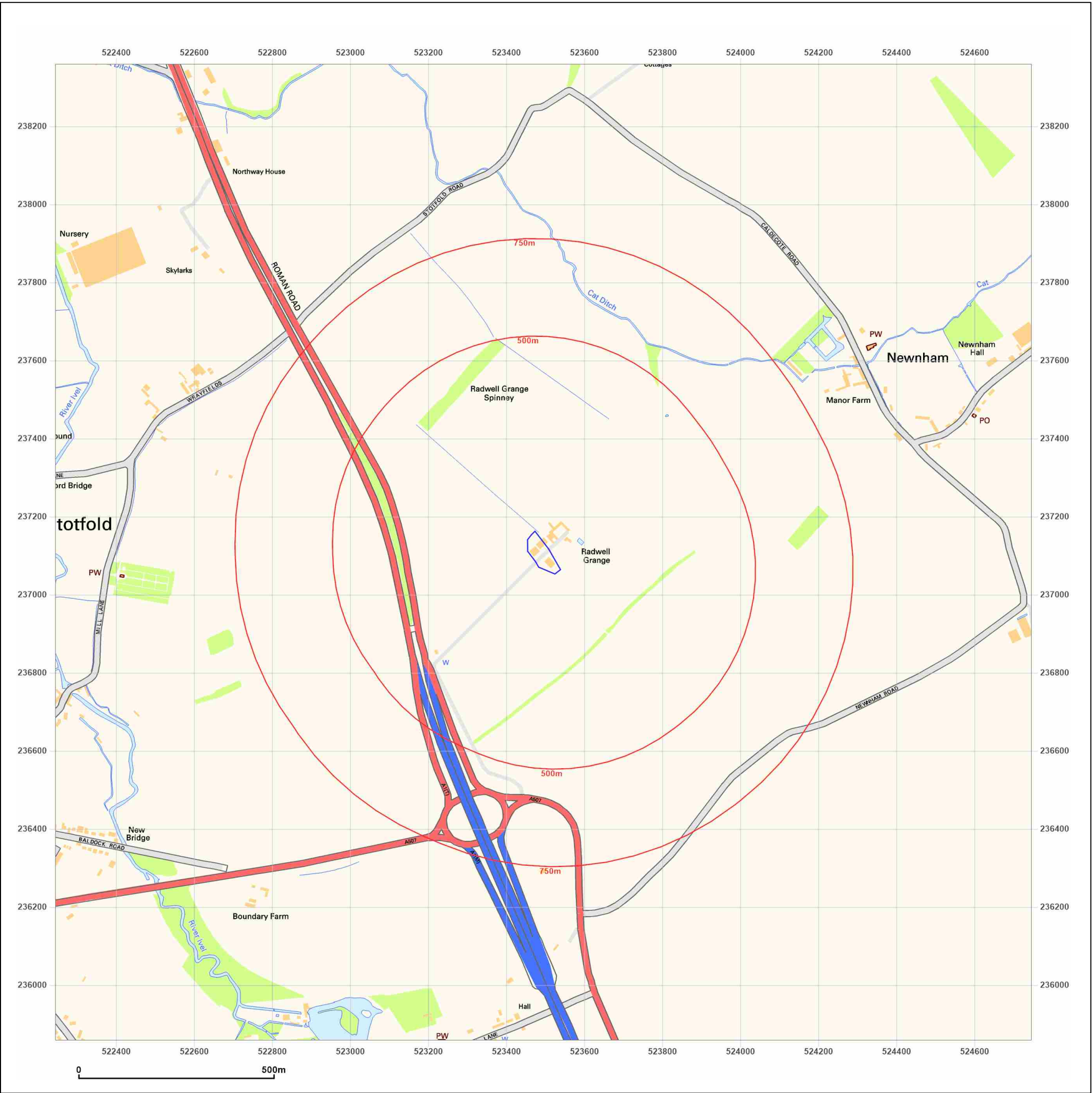


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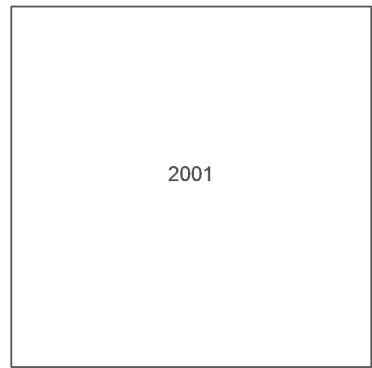
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Grid Ref: 523495, 237109

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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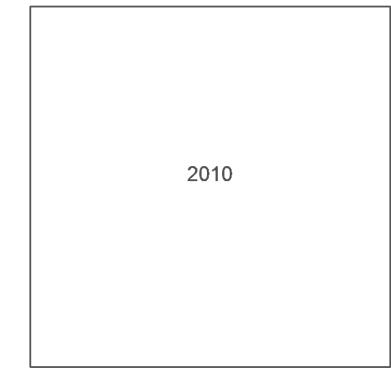
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Report Ref: EMS-994989_1259979
Grid Ref: 523495, 237109

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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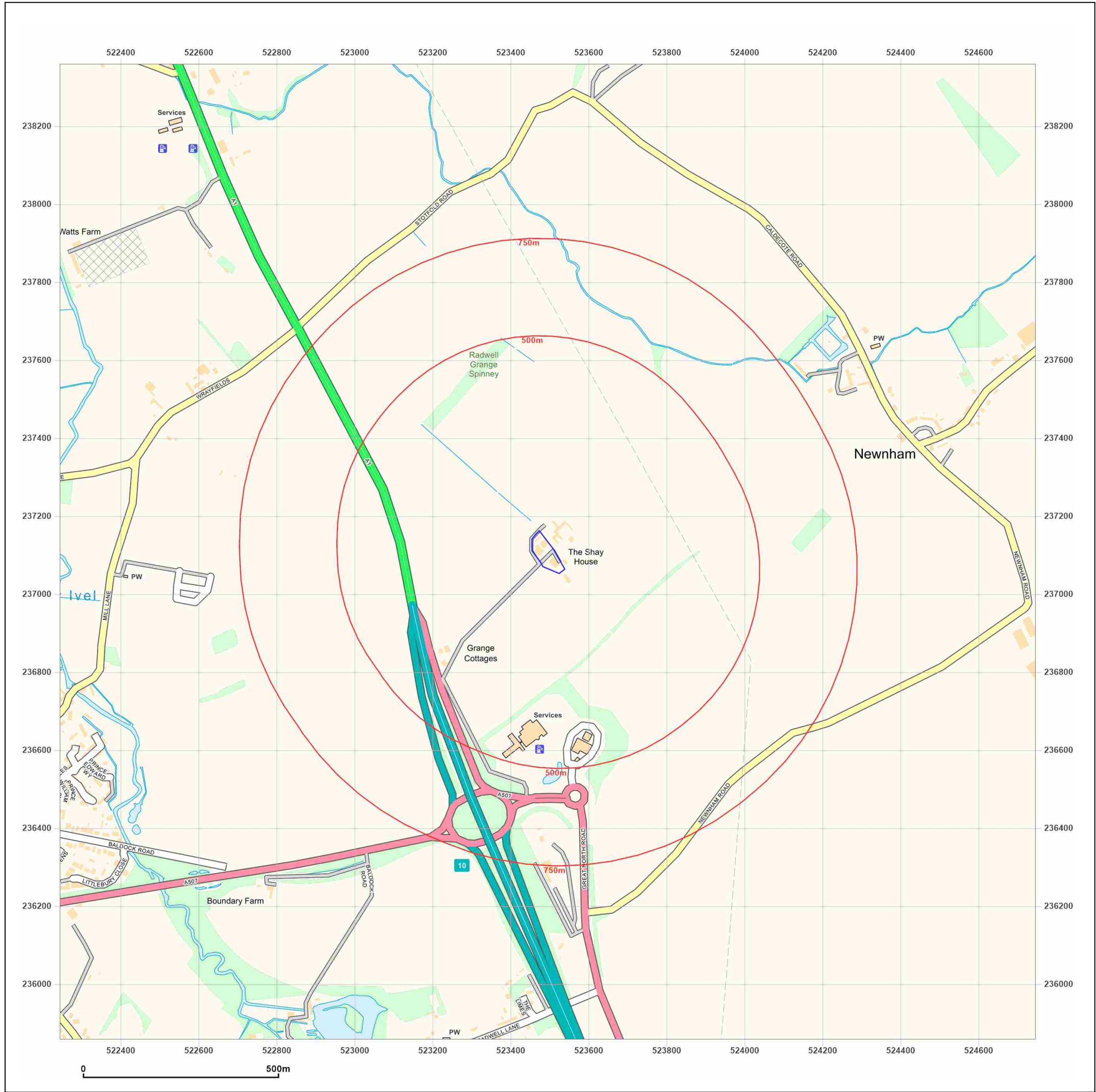


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Production date: 13 January 2025

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Site Details:

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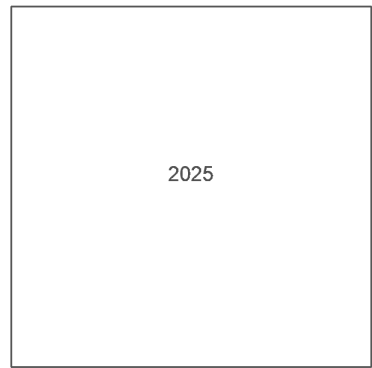
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Grid Ref: 523495, 237109

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000



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APPENDIX D

2000



2002



2003



2005



2008



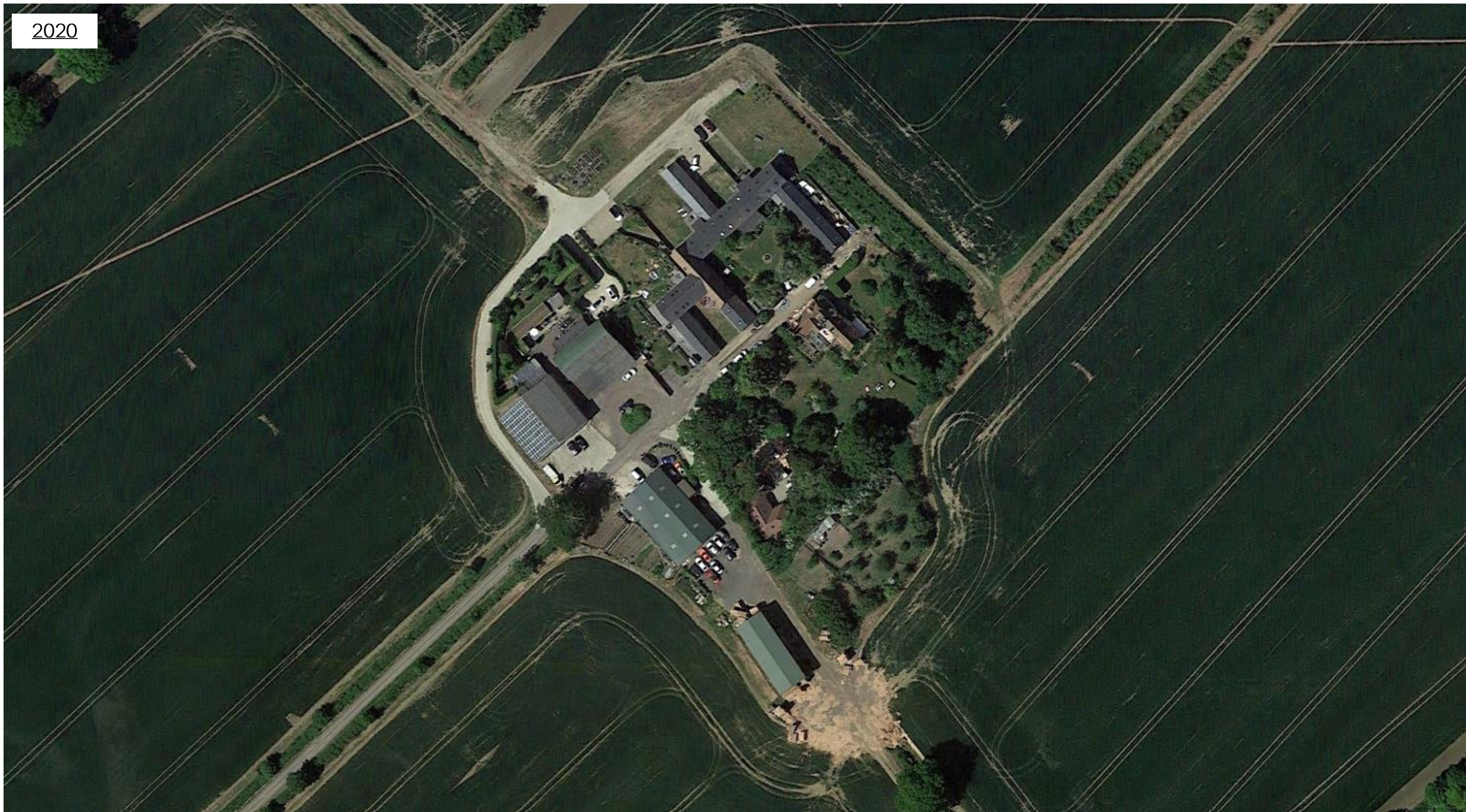
2009



2012



2020



2024

