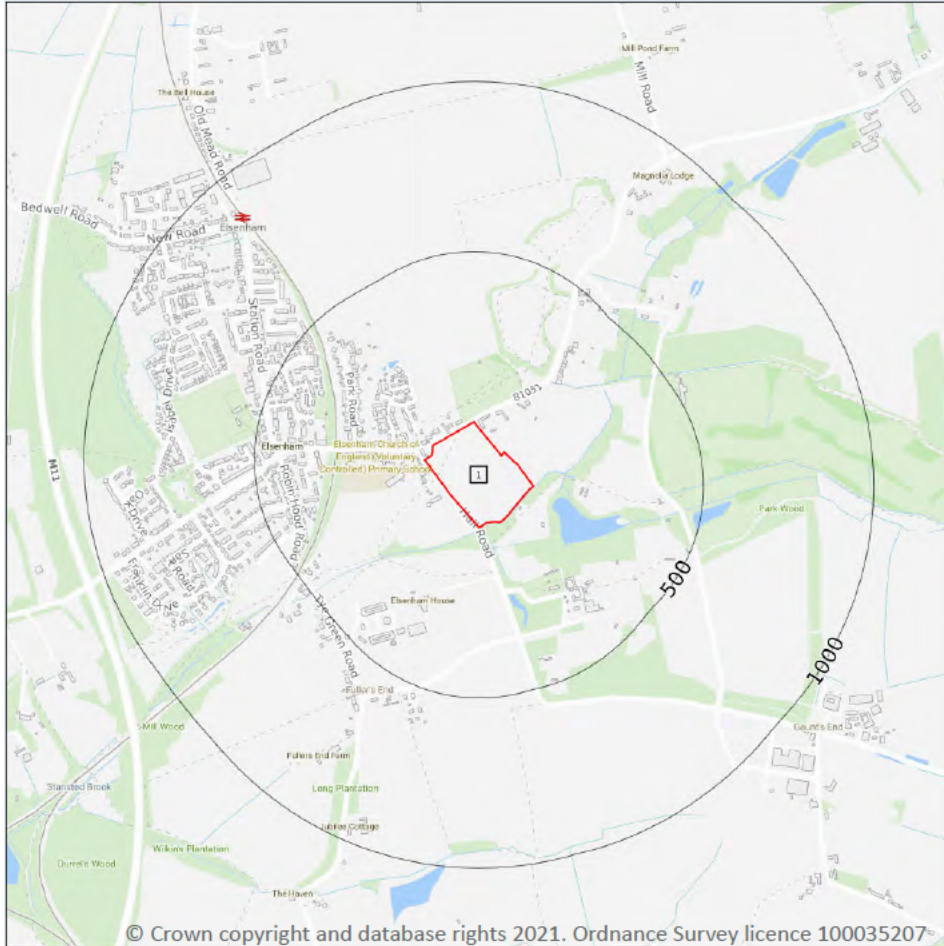


## 15 Geology 1:50,000 scale - Availability



**Site Outline**

Search buffers in metres (m)

Geological map tile

### 15.1 50k Availability

Records within 500m

1

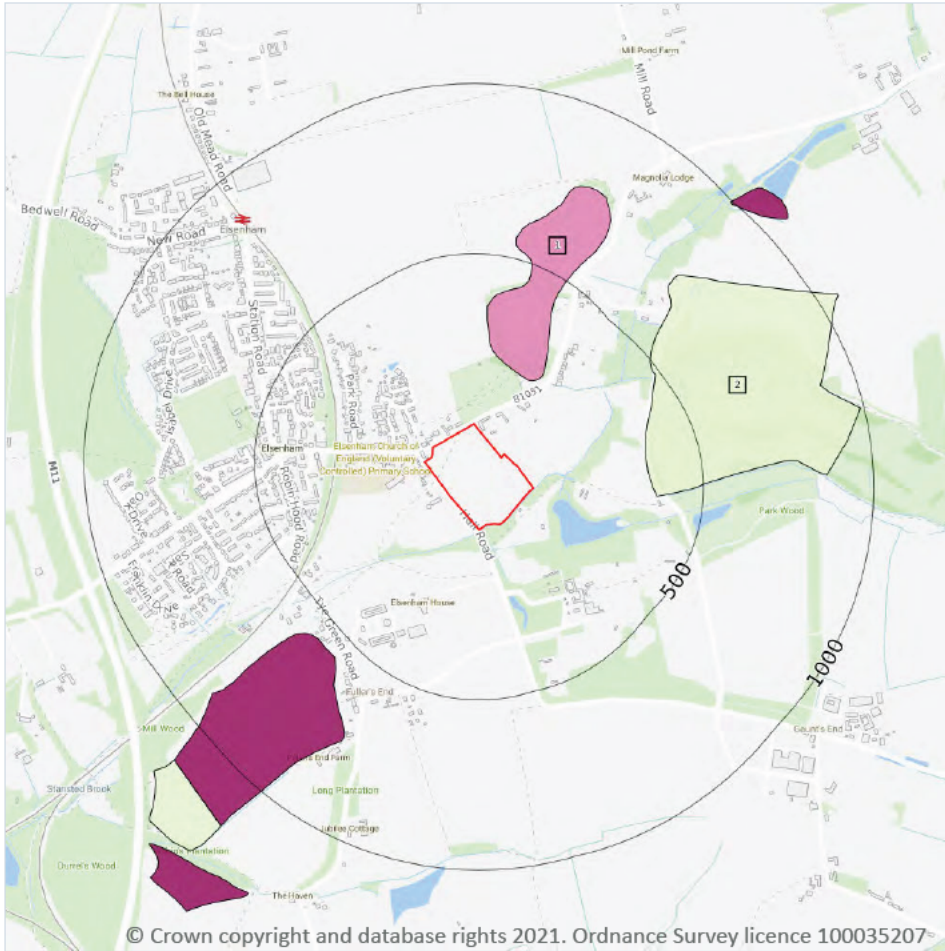
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on page 86

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW222_great_dunmow_v4

This data is sourced from the British Geological Survey.

## Geology 1:50,000 scale - Artificial and made ground



### 15.2 Artificial and made ground (50k)

Records within 500m

2

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on page 87

ID	Location	LEX Code	Description	Rock description
1	196m NE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
2	341m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

### 15.3 Artificial ground permeability (50k)

Records within 50m

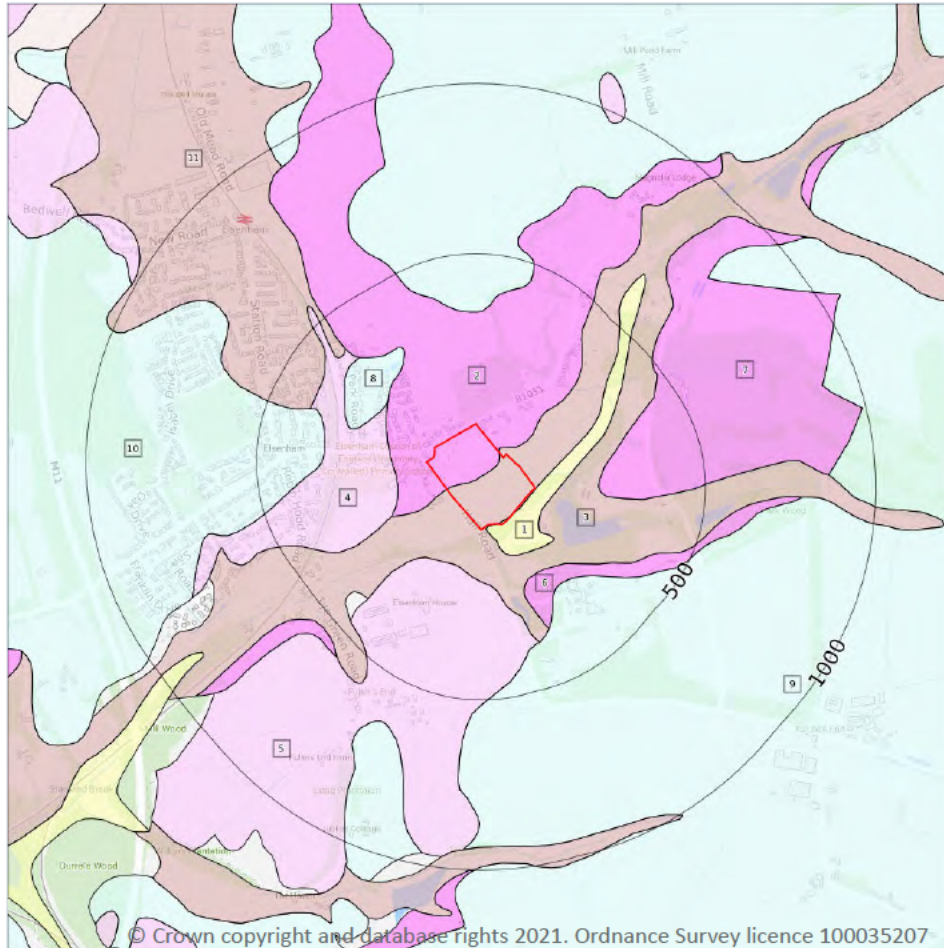
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

Records within 500m

11

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on page 89

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	On site	KGCA-XSV	KESGRAVE CATCHMENT SUBGROUP	SAND AND GRAVEL
3	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	97m W	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL
5	126m SW	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL
6	176m SE	KGCA-XSV	KESGRAVE CATCHMENT SUBGROUP	SAND AND GRAVEL
7	185m E	KGCA-XSV	KESGRAVE CATCHMENT SUBGROUP	SAND AND GRAVEL
8	190m NW	LOFT-DMTN	LOWESTOFT FORMATION	DIAMICTON
9	244m SE	LOFT-DMTN	LOWESTOFT FORMATION	DIAMICTON
10	302m W	LOFT-DMTN	LOWESTOFT FORMATION	DIAMICTON
11	376m NW	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

*This data is sourced from the British Geological Survey.*

## 15.5 Superficial permeability (50k)

<b>Records within 50m</b>	<b>3</b>
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Very Low
On site	Mixed	High	Very Low
On site	Intergranular	Very High	High

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

Records within 50m

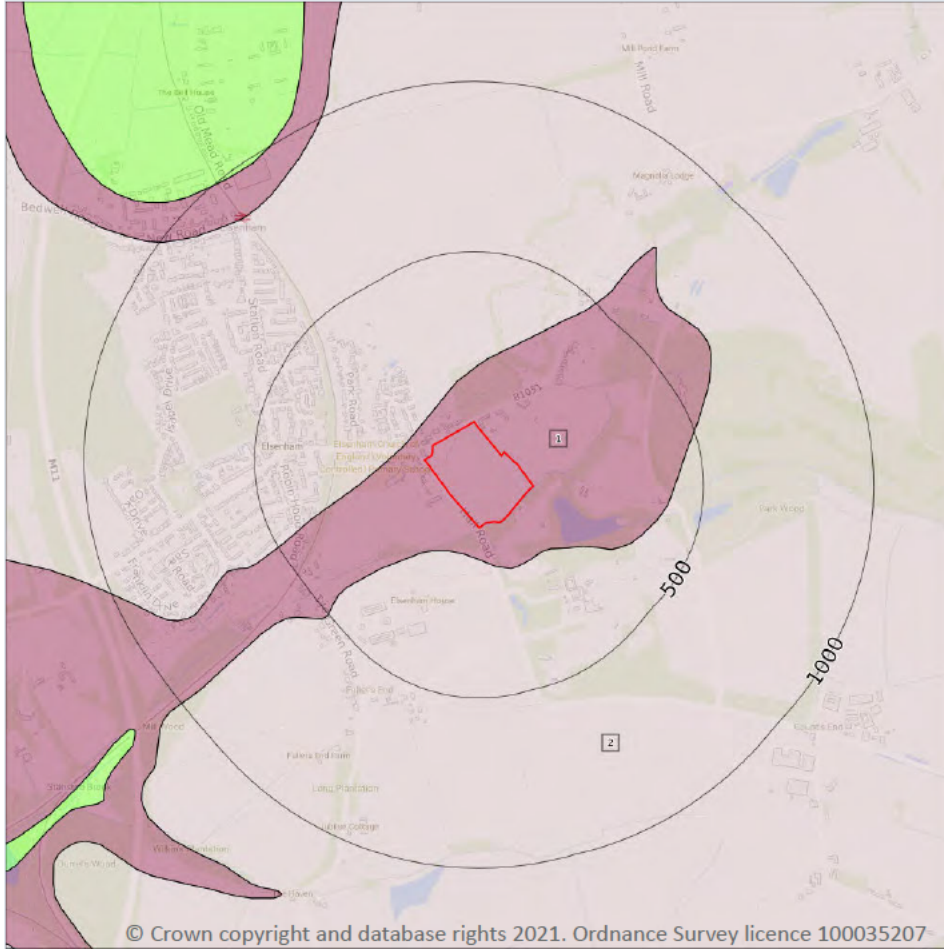
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

2

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on page 92

ID	Location	LEX Code	Description	Rock age
1	On site	TALM-XCZS	THANET FORMATION AND LAMBETH GROUP (UNDIFFERENTIATED) - CLAY, SILT AND SAND	-
2	65m NW	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN

This data is sourced from the British Geological Survey.

## 15.9 Bedrock permeability (50k)

Records within 50m 1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Moderate	Very Low

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

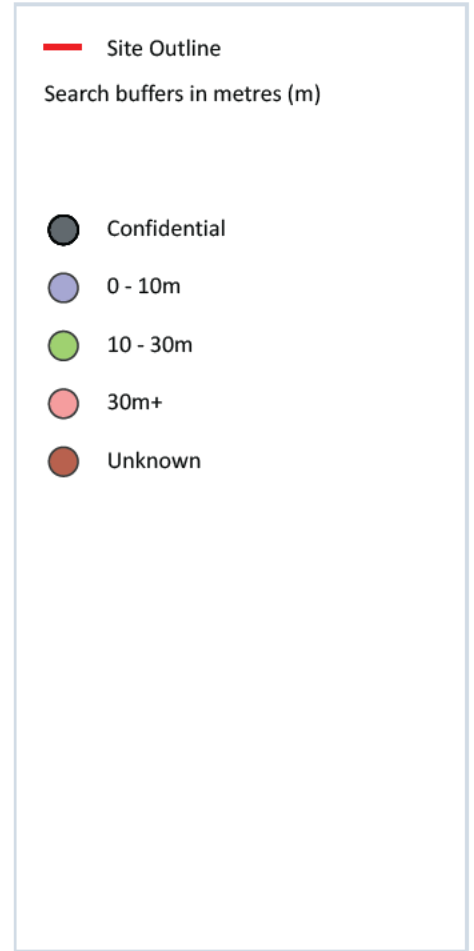
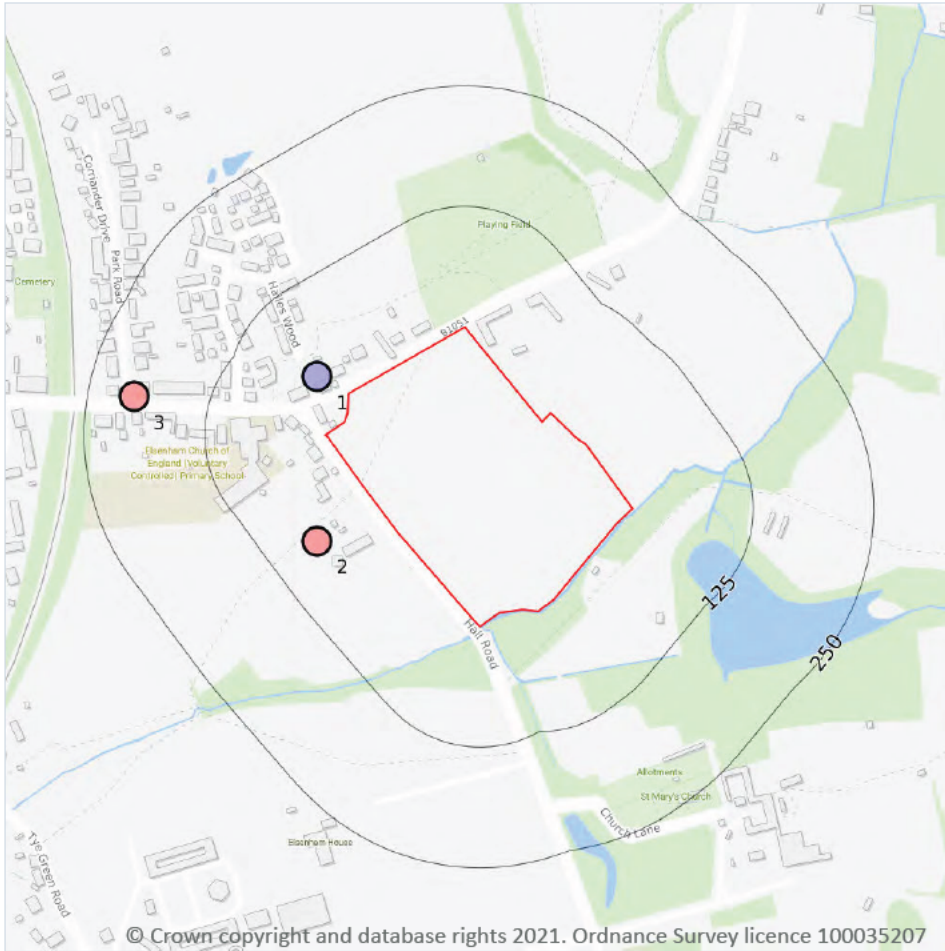
Records within 500m 0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*



## 16 Boreholes



### 16.1 BGS Boreholes

Records within 250m

3

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

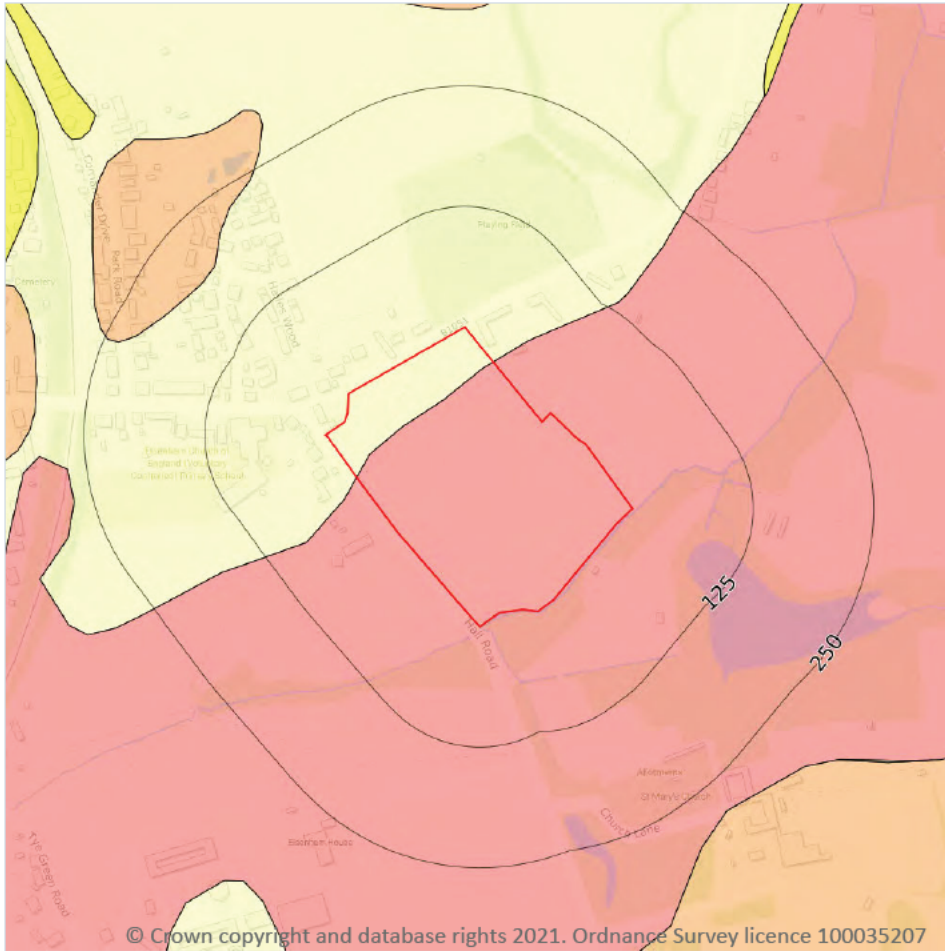
Features are displayed on the Boreholes map on [page 94](#)

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	37m NW	553840 226360	ELSNHAM CROSS ELSNHAM	8.0	N	<a href="#">544143</a>
2	72m SW	553840 226190	OLD VICARAGE, ELSNHAM	33.52	N	<a href="#">544115</a>
3	202m W	553650 226340	MEMORIAL WELL, ELSNHAM	35.66	N	<a href="#">544114</a>

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

Records within 50m

2

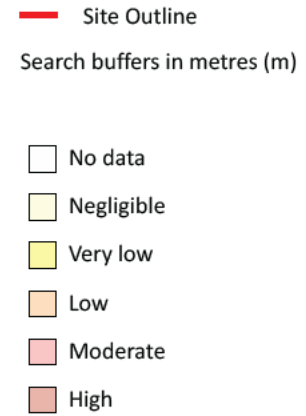
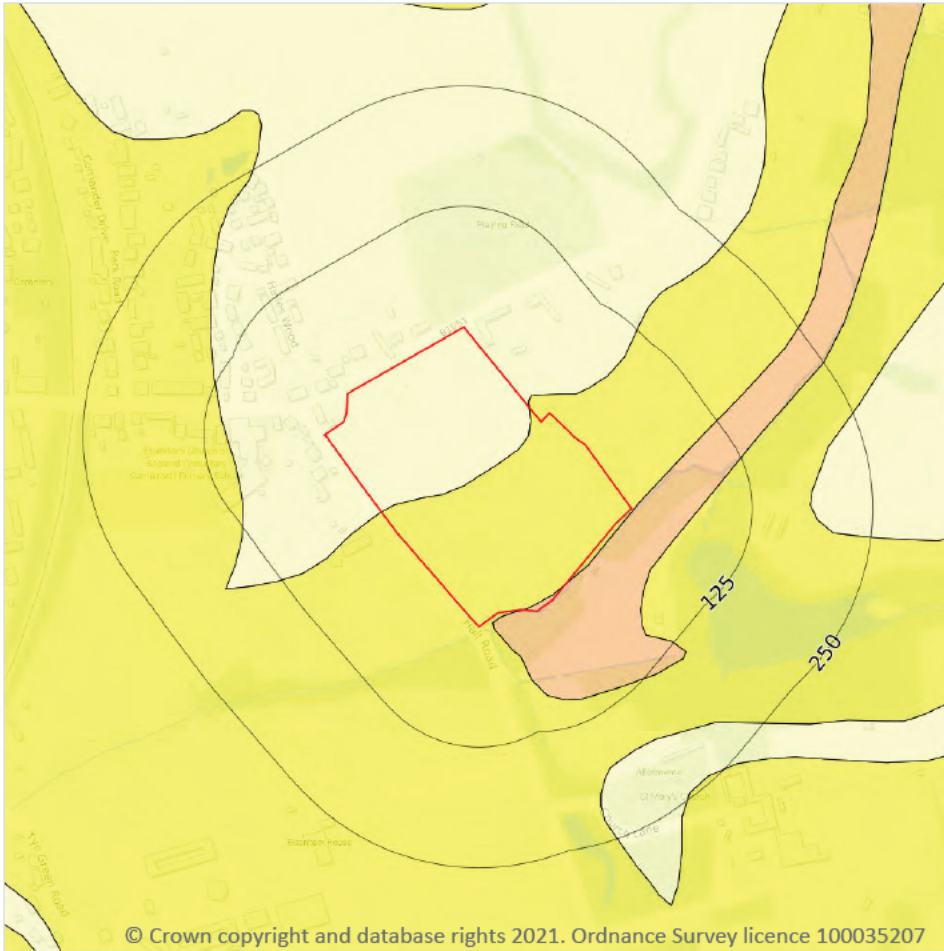
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 96](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Moderate	Ground conditions predominantly high plasticity.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Running sands



### 17.2 Running sands

Records within 50m

3

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 97](#)

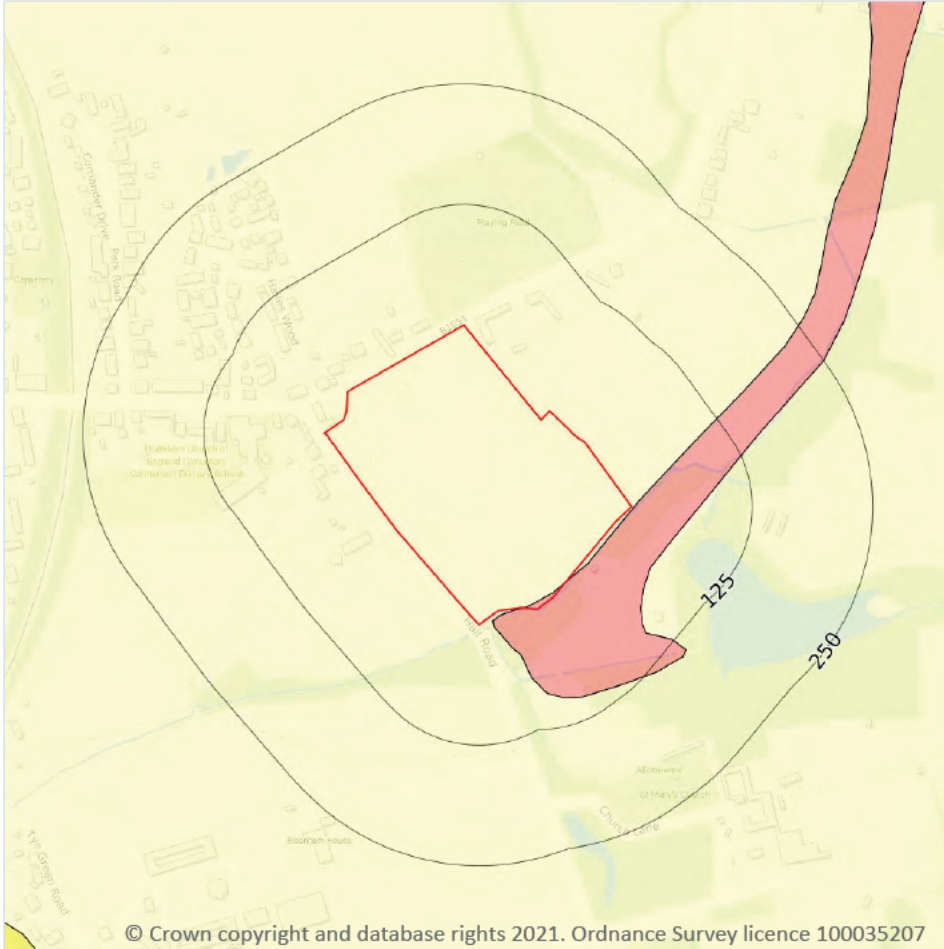
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

Records within 50m

2

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

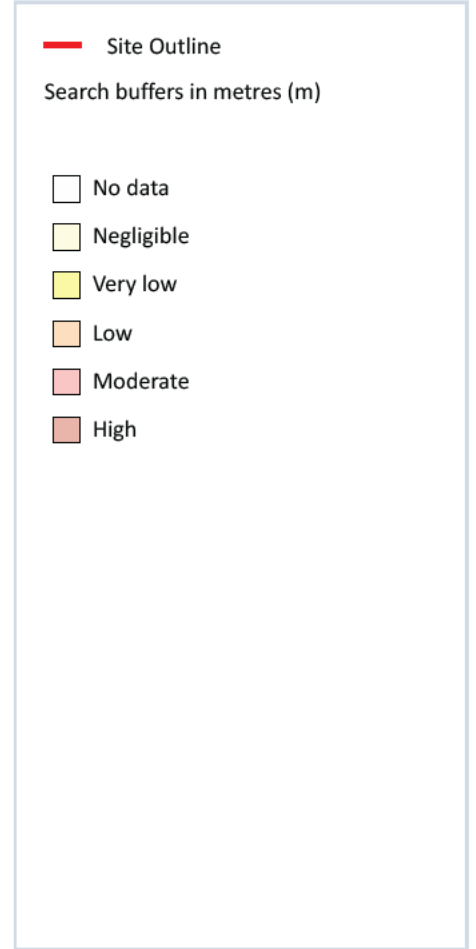
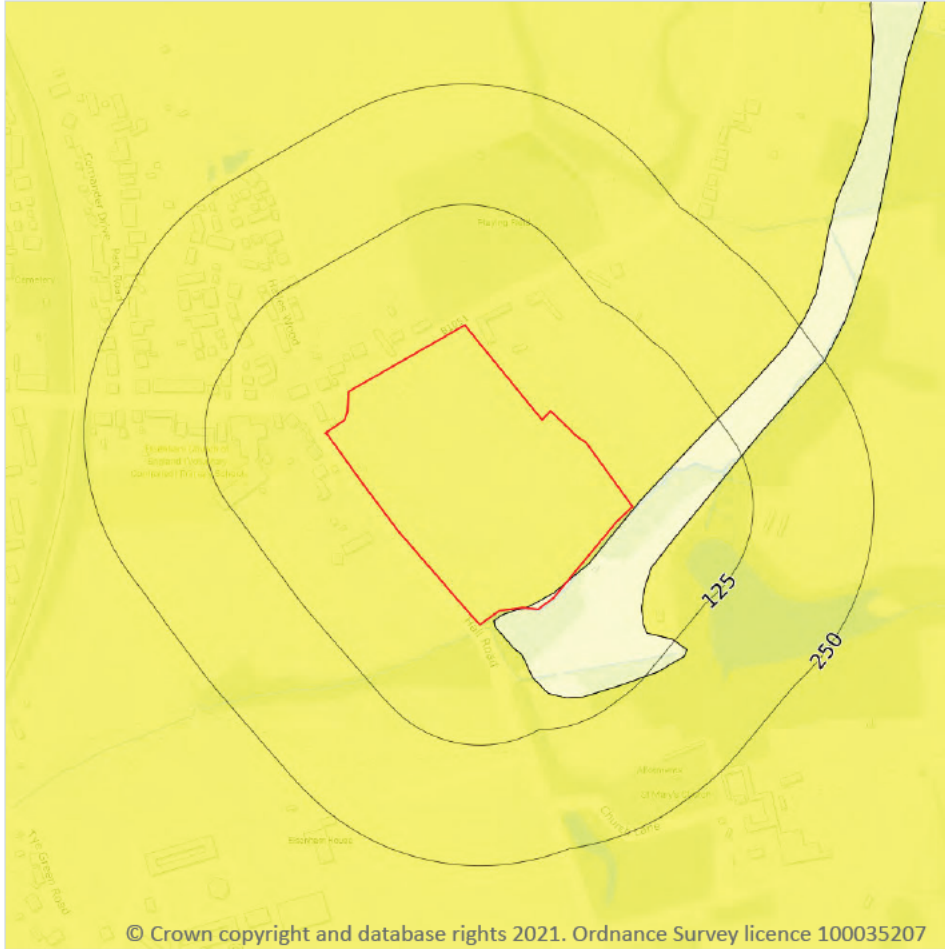
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 99](#)

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

Records within 50m

2

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

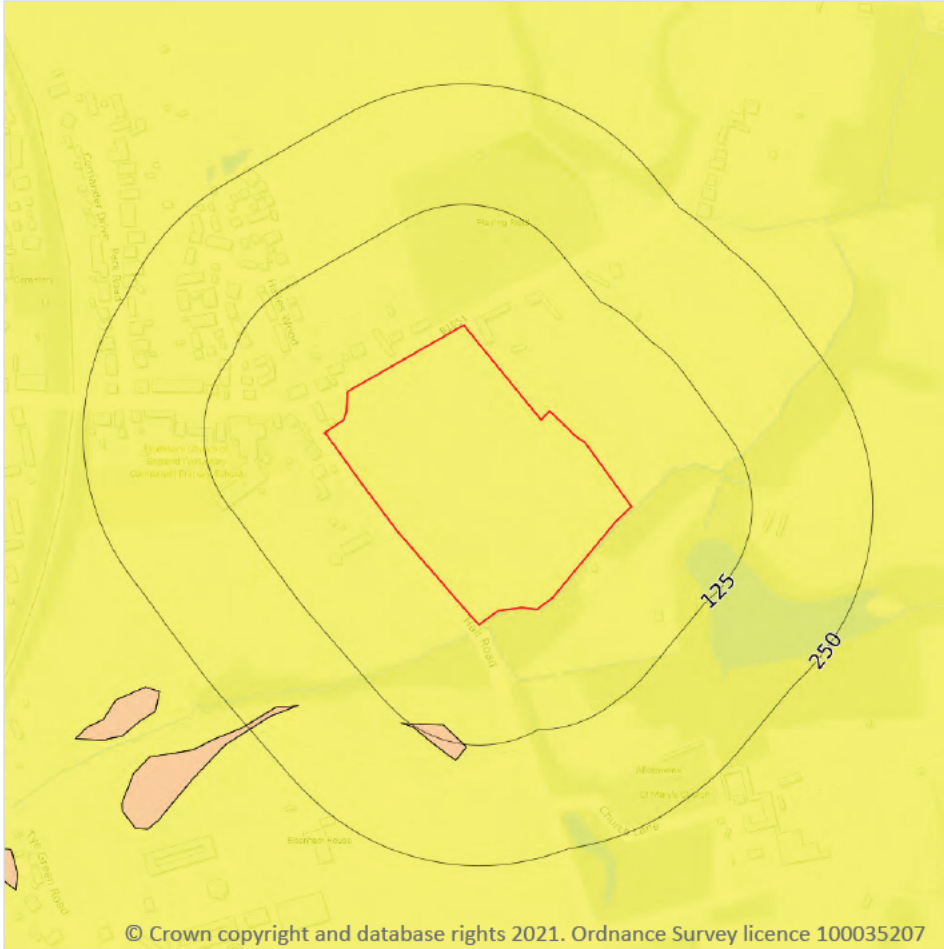
Features are displayed on the Natural ground subsidence - Collapsible deposits map on page 101

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Landslides



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.5 Landslides

Records within 50m

1

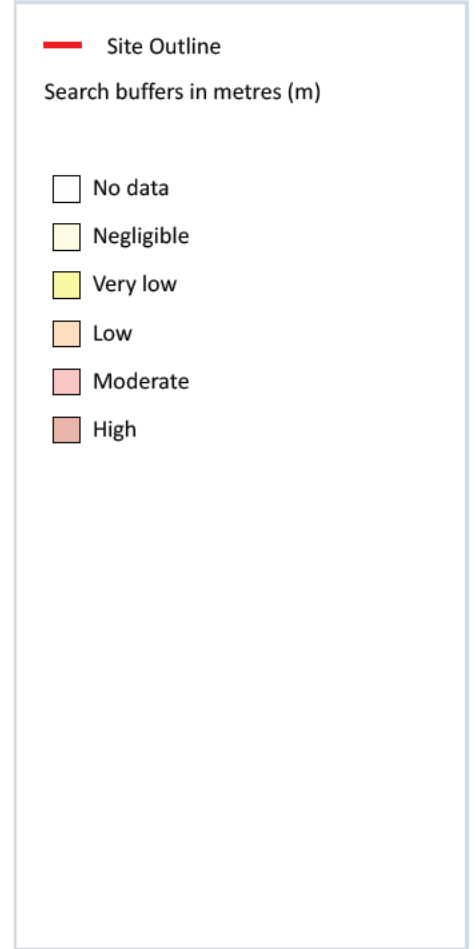
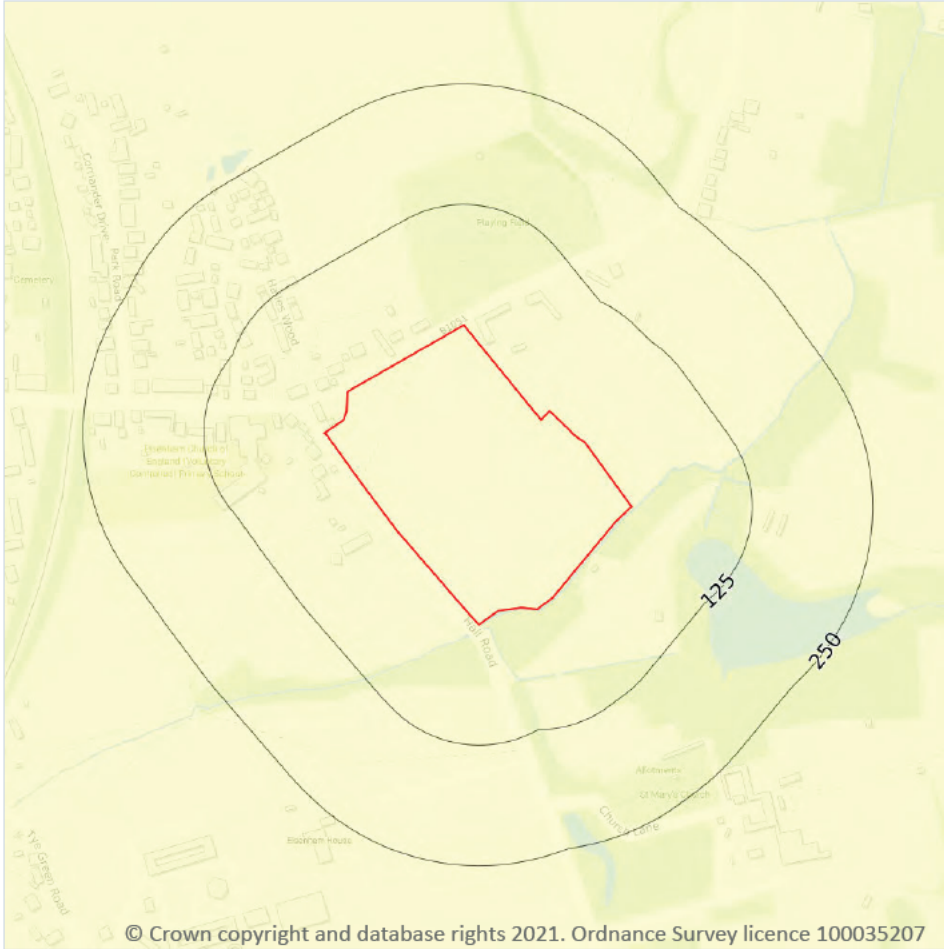
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 102**

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Ground dissolution of soluble rocks



### 17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

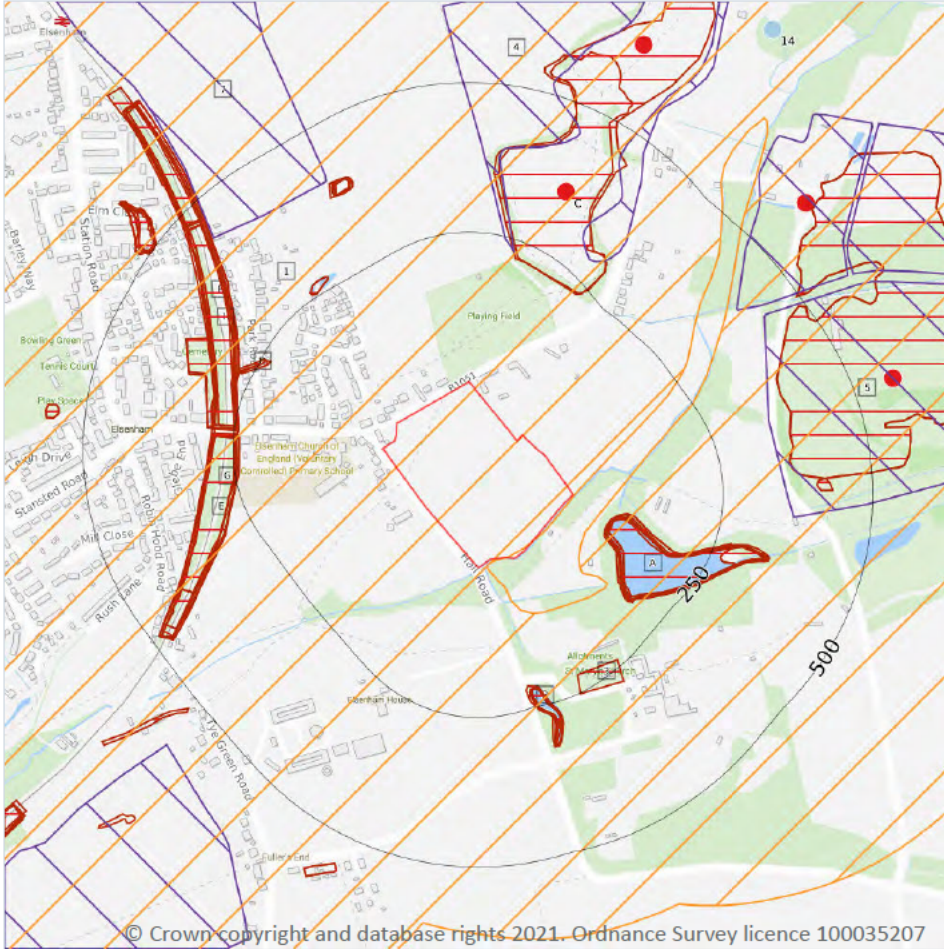
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on page 103

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

*This data is sourced from the British Geological Survey.*



## 18 Mining, ground workings and natural cavities



### 18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Peter Brett Associates (PBA).*

## 18.2 BritPits

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on [page 105](#)

ID	Location	Details	Description
C	357m NE	Name: Elsenham Address: Elsenham, BISHOP'S STORTFORD, Essex Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

*This data is sourced from the British Geological Survey.*

## 18.3 Surface ground workings

<b>Records within 250m</b>	<b>35</b>
----------------------------	-----------

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on [page 105](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	76m SE	Fish Pond	1876	1:10560
A	77m SE	Water Body	1947	1:10560
A	77m SE	Water Body	1919	1:10560
A	77m SE	Fish Pond	1965	1:10560
A	78m SE	Fish Pond	1898	1:10560
A	79m SE	Water Body	1994	1:10000
A	79m SE	Water Body	1982	1:10000
A	80m SE	Fish Pond	1896	1:10560
B	214m SE	Fish Pond	1876	1:10560
B	218m S	Fish Pond	1994	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
B	218m S	Fish Pond	1965	1:10560
B	218m S	Fish Pond	1982	1:10000
B	219m S	Pond	1898	1:10560
2	219m NE	Sand and Gravel Pit	1965	1:10560
C	219m NE	Unspecified Quarry	1947	1:10560
B	220m S	Fish Pond	1947	1:10560
B	220m S	Fish Pond	1919	1:10560
B	220m S	Pond	1896	1:10560
3	221m SE	Grave Yard	1876	1:10560
D	235m NW	Pond	1896	1:10560
E	240m W	Cuttings	1994	1:10000
E	240m W	Cuttings	1982	1:10000
D	242m NW	Pond	1876	1:10560
F	243m W	Cuttings	1898	1:10560
G	243m W	Cuttings	1896	1:10560
F	244m W	Cuttings	1994	1:10000
F	244m W	Cuttings	1982	1:10000
E	245m W	Cuttings	1947	1:10560
E	245m W	Cuttings	1919	1:10560
E	246m W	Cuttings	1898	1:10560
H	246m W	Cuttings	1947	1:10560
H	246m W	Cuttings	1919	1:10560
E	246m W	Cuttings	1965	1:10560
H	247m W	Cuttings	1965	1:10560
G	248m W	Cuttings	1876	1:10560

*This data is sourced from Ordnance Survey/Groundsure.*



## 18.4 Underground workings

Records within 1000m

0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.5 Historical Mineral Planning Areas

Records within 500m

4

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining, ground workings and natural cavities map on [page 105](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
4	231m N	Elsenham	Sand and gravel	Surface mineral working	Refused	12/03/68
5	347m E	Elsenham	Sand and gravel	Surface mineral working	Valid	04/03/58
L	403m NE	Elsenham	Sand and gravel	Surface mineral working	Valid	04/03/58
7	409m NW	Pledgon Hall Farm	Sand and gravel	Surface mineral working	Withdrawn	27/05/68

*This data is sourced from the British Geological Survey.*

## 18.6 Non-coal mining

Records within 1000m

3

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on [page 105](#)



ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	C	<b>Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered</b>
-	833m E	Not available	Chalk	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
-	983m NW	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

*This data is sourced from the British Geological Survey.*

## 18.7 Mining cavities

Records within 1000m

1

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

Features are displayed on the Mining, ground workings and natural cavities map on **page 105**

ID	Location	Mine Address	Mineral	Data source	Publisher
14	777m NE	Elsenham, Essex	Firestone, Freestone, Hearthstone , Honestone, Ragstone, Sandstone, Scythestone , Silver Sand, Whetstone	-	Chelsea Speleological Society

*This data is sourced from Peter Brett Associates (PBA).*





## 18.8 JPB mining areas

Records on site	0
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Areas which could be affected by former coal mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.9 Coal mining

Records on site	0
-----------------	---

Areas which could be affected by past, current or future coal mining.

*This data is sourced from the Coal Authority.*

## 18.10 Brine areas

Records on site	0
-----------------	---

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

## 18.11 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.12 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Mining Searches UK.*



## 18.13 Clay mining

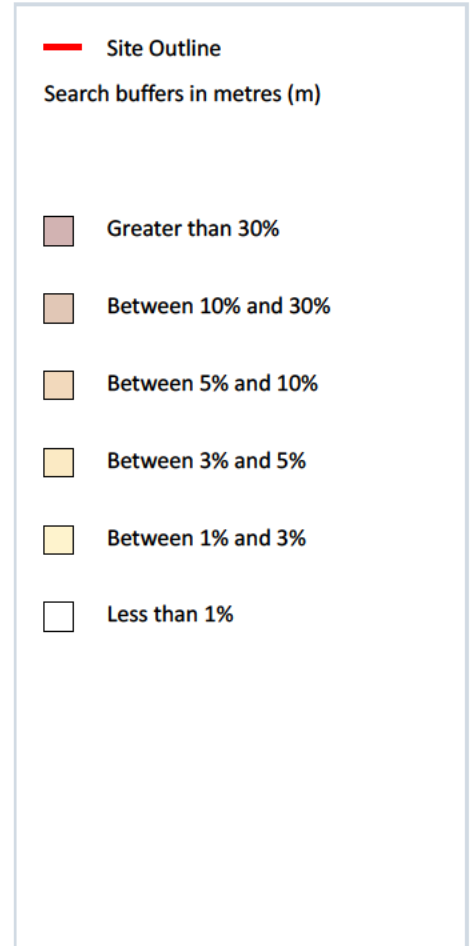
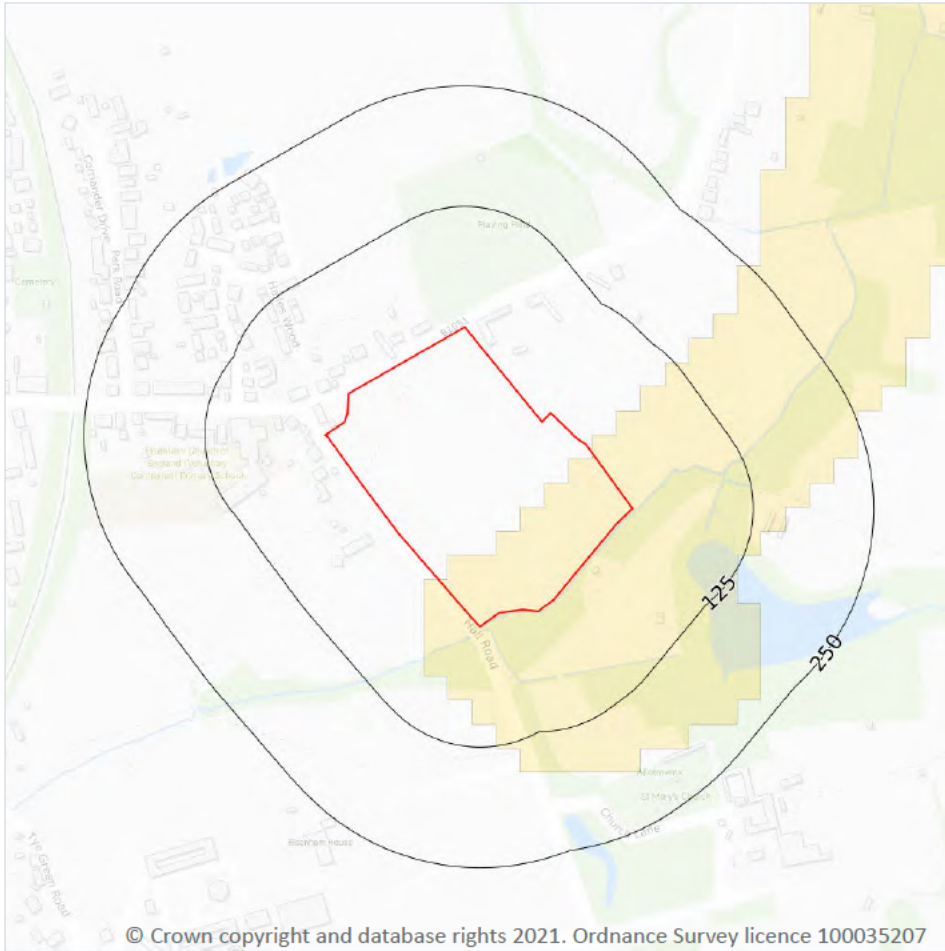
Records on site

0

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*

## 19 Radon



### 19.1 Radon

Records on site

2

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on [page 112](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None
On site	Less than 1%	None**

*This data is sourced from the British Geological Survey and Public Health England.*



## 20 Soil chemistry

### 20.1 BGS Estimated Background Soil Chemistry

Records within 50m

7

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 km<sup>2</sup>. 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 km<sup>2</sup>; 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	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

*This data is sourced from the British Geological Survey.*

### 20.2 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 km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*



## 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 km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*

## 21 Railway infrastructure and projects

### 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	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.*

### 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	0
---------------------	---

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

*This data is sourced from OpenStreetMap.*

## 21.7 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.*

## 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 [REDACTED].

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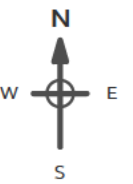
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**Grid Ref:** 554007, 226256

**Map Name:** County Series

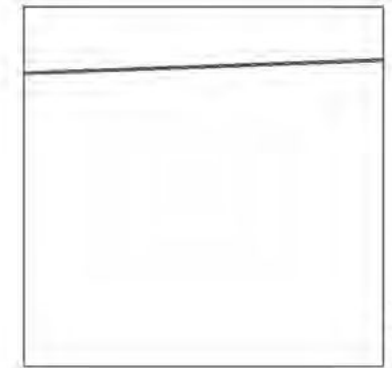
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**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1877  
Revised 1877  
Edition N/A  
Copyright N/A  
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Surveyed 1876  
Revised 1876  
Edition N/A  
Copyright N/A  
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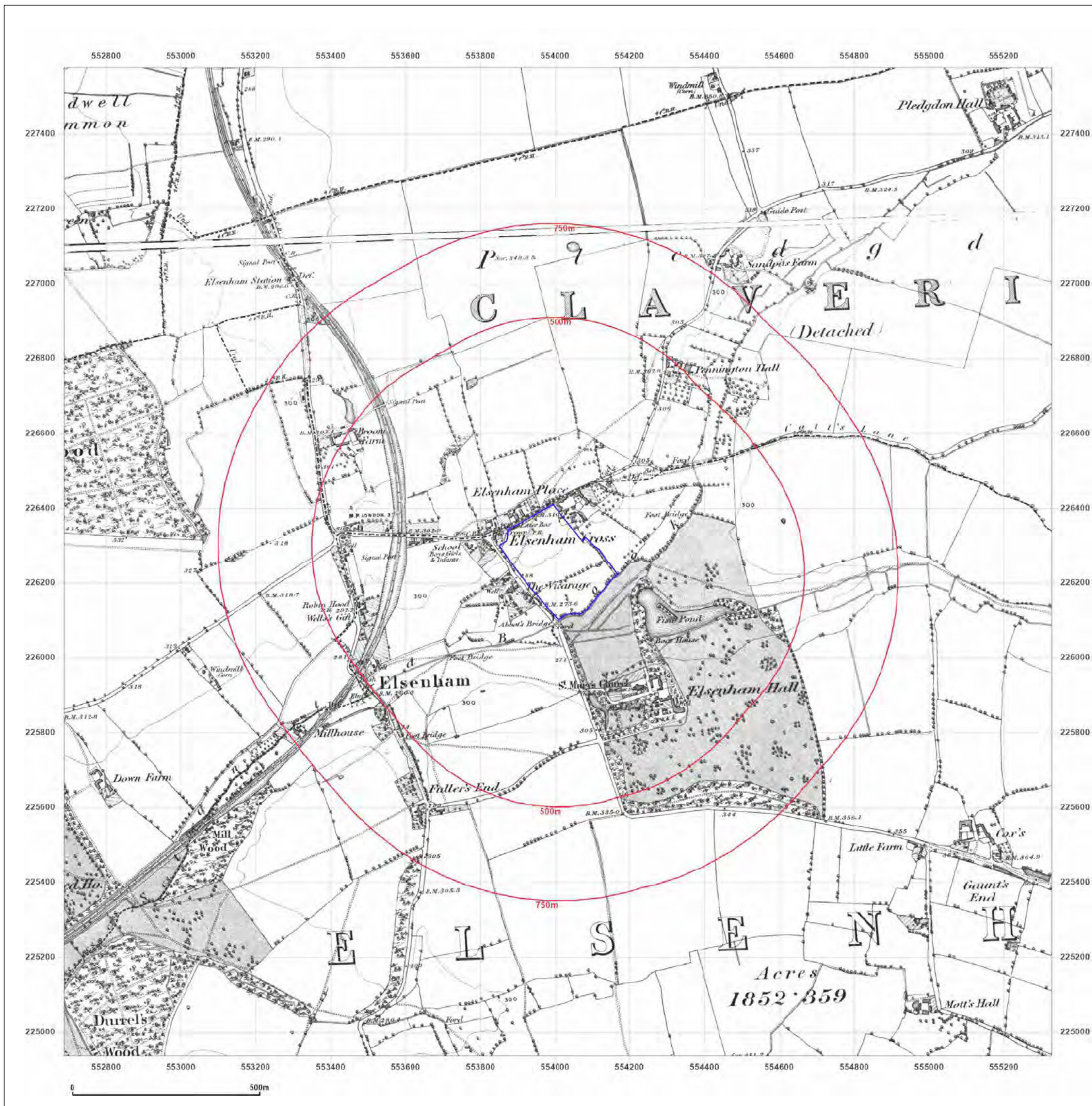


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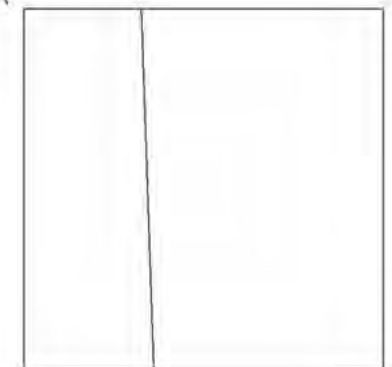
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Surveyed N/A  
Revised N/A  
Edition 1893  
Copyright N/A  
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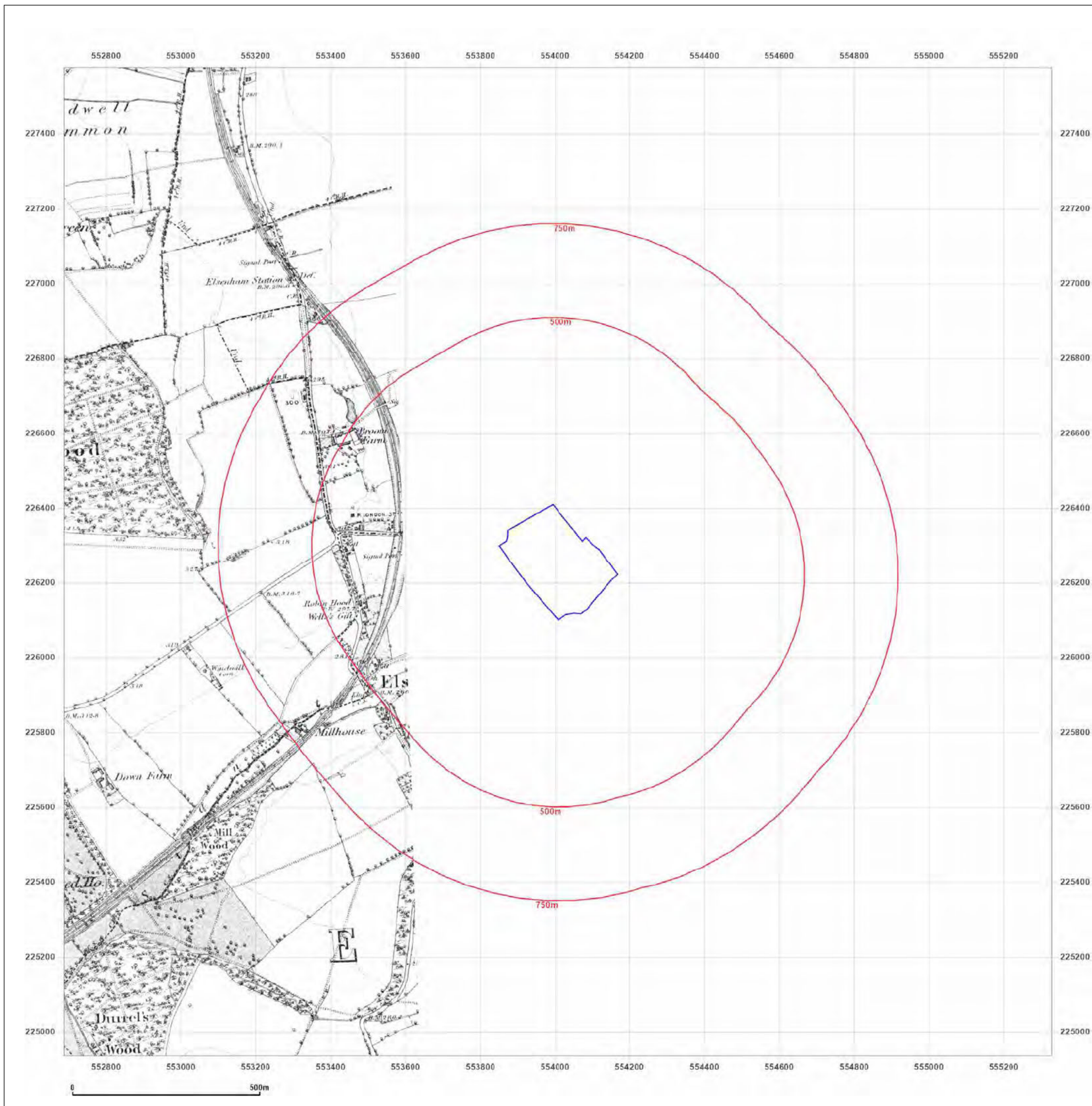


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**Client Ref:** 61207  
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**Map date:** 1896-1898

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**Printed at:** 1:10,560



Surveyed 1877  
Revised 1896  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1877  
Revised 1896  
Edition N/A  
Copyright N/A  
Levelled N/A

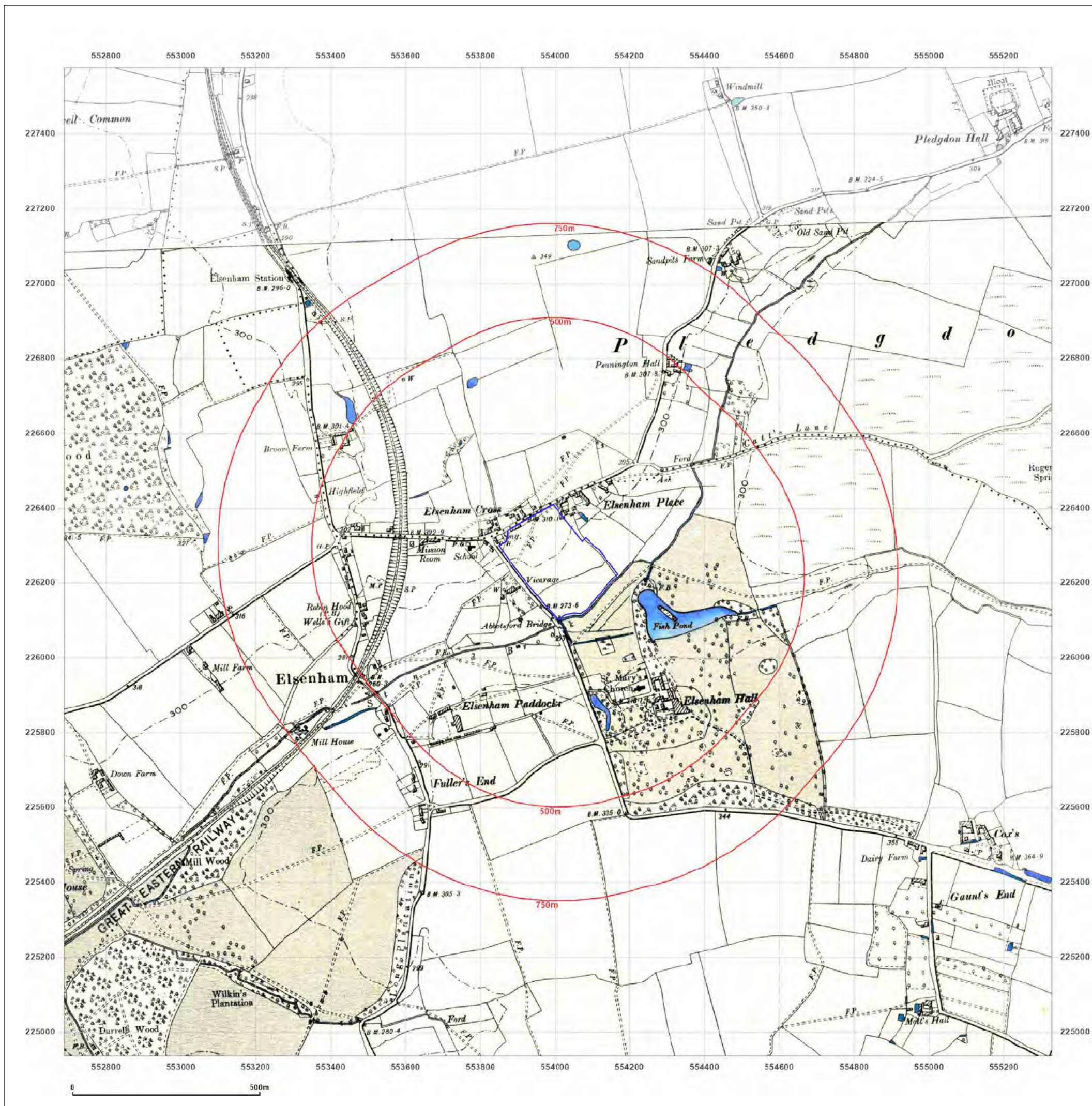


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Revised 1896  
Edition N/A  
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Surveyed 1877  
Revised 1896  
Edition N/A  
Copyright N/A  
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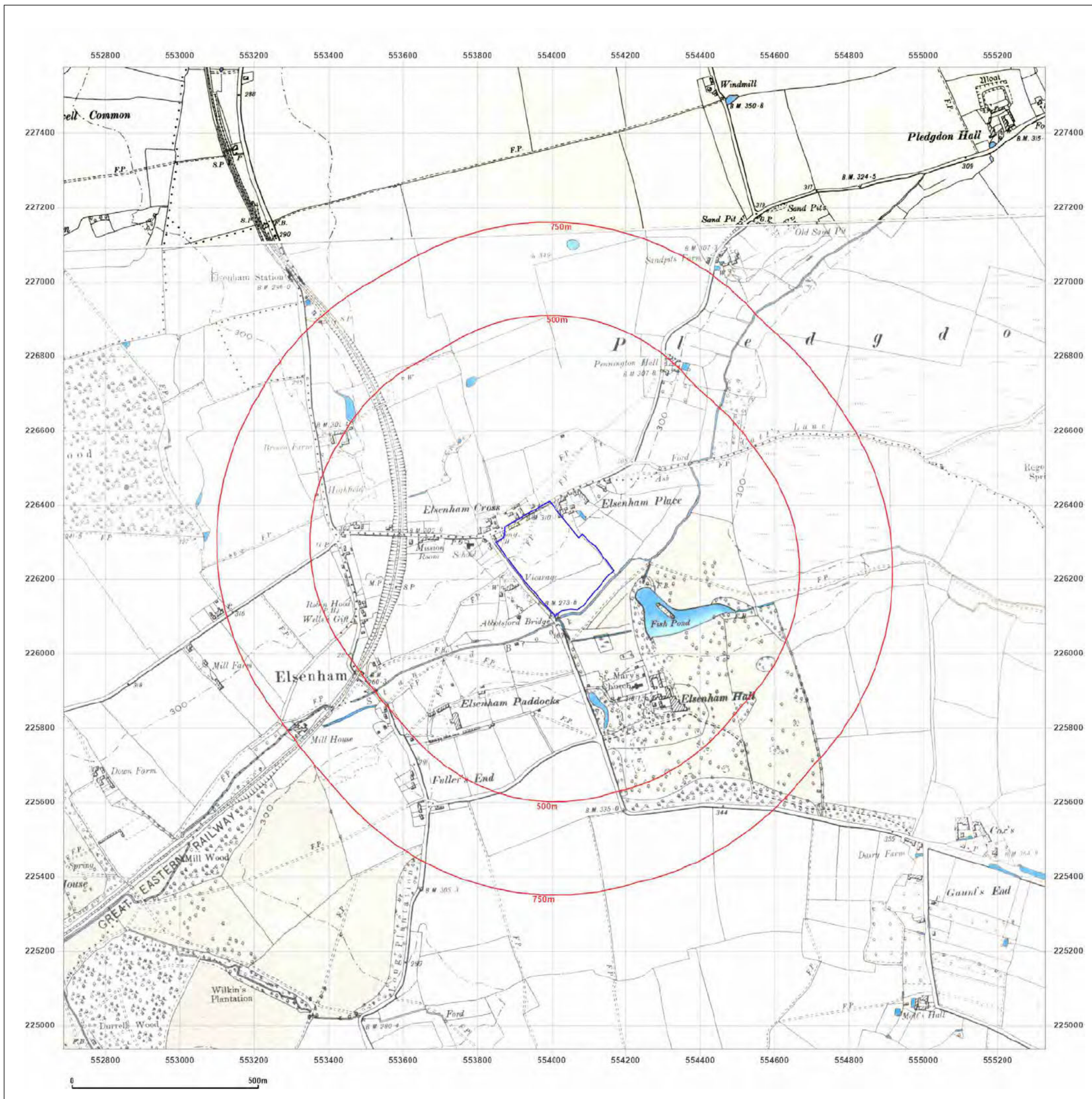


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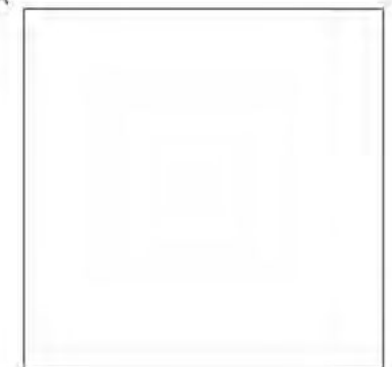
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Surveyed 1878  
Revised 1919  
Edition N/A  
Copyright N/A  
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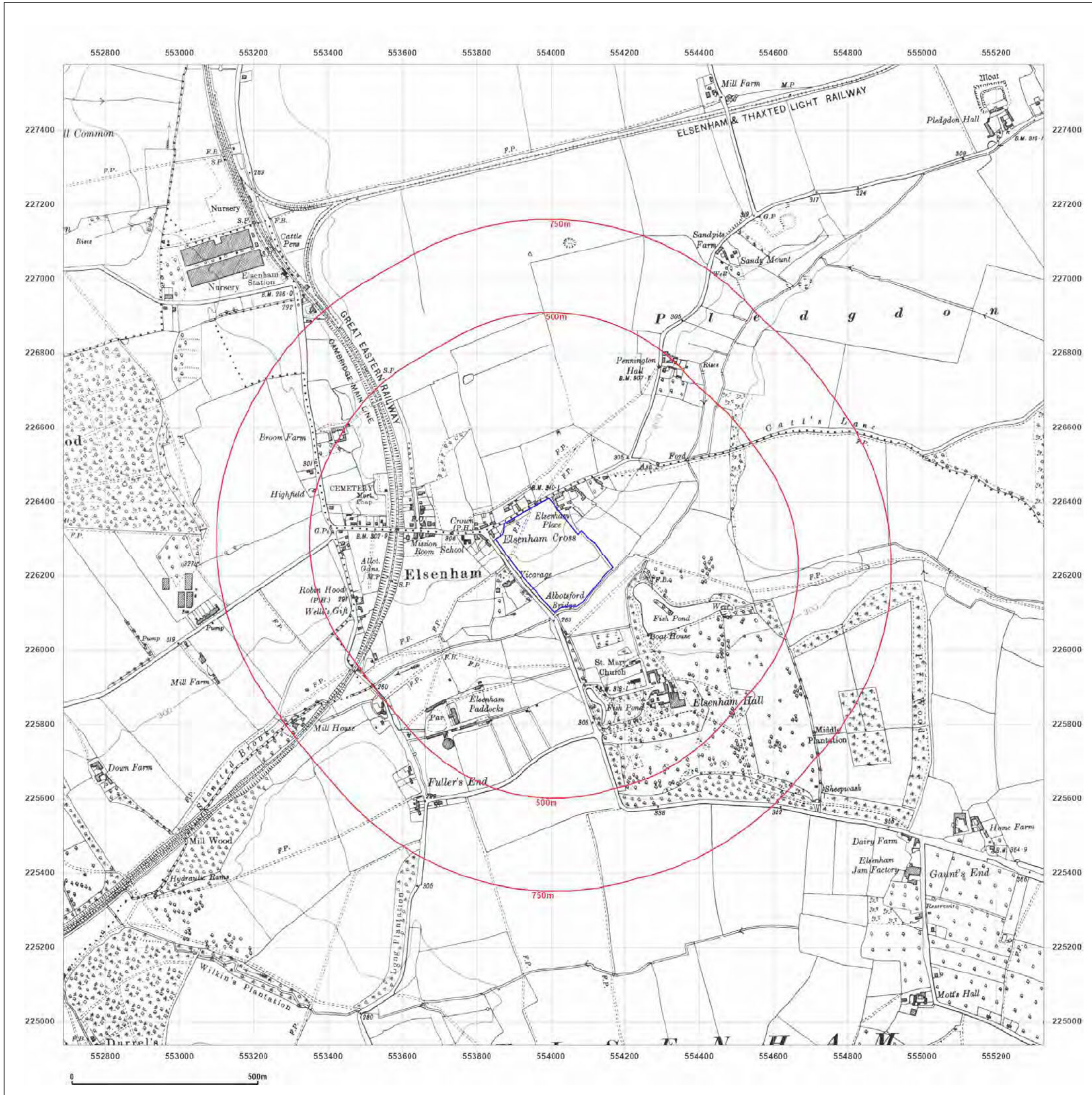


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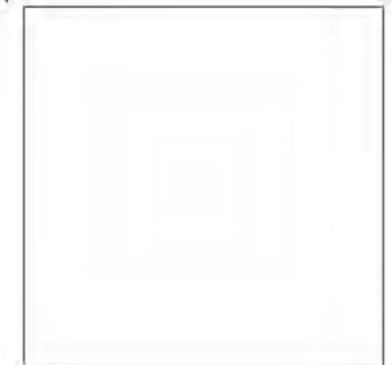
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Surveyed 1878  
Revised 1947  
Edition N/A  
Copyright N/A  
Levelled N/A

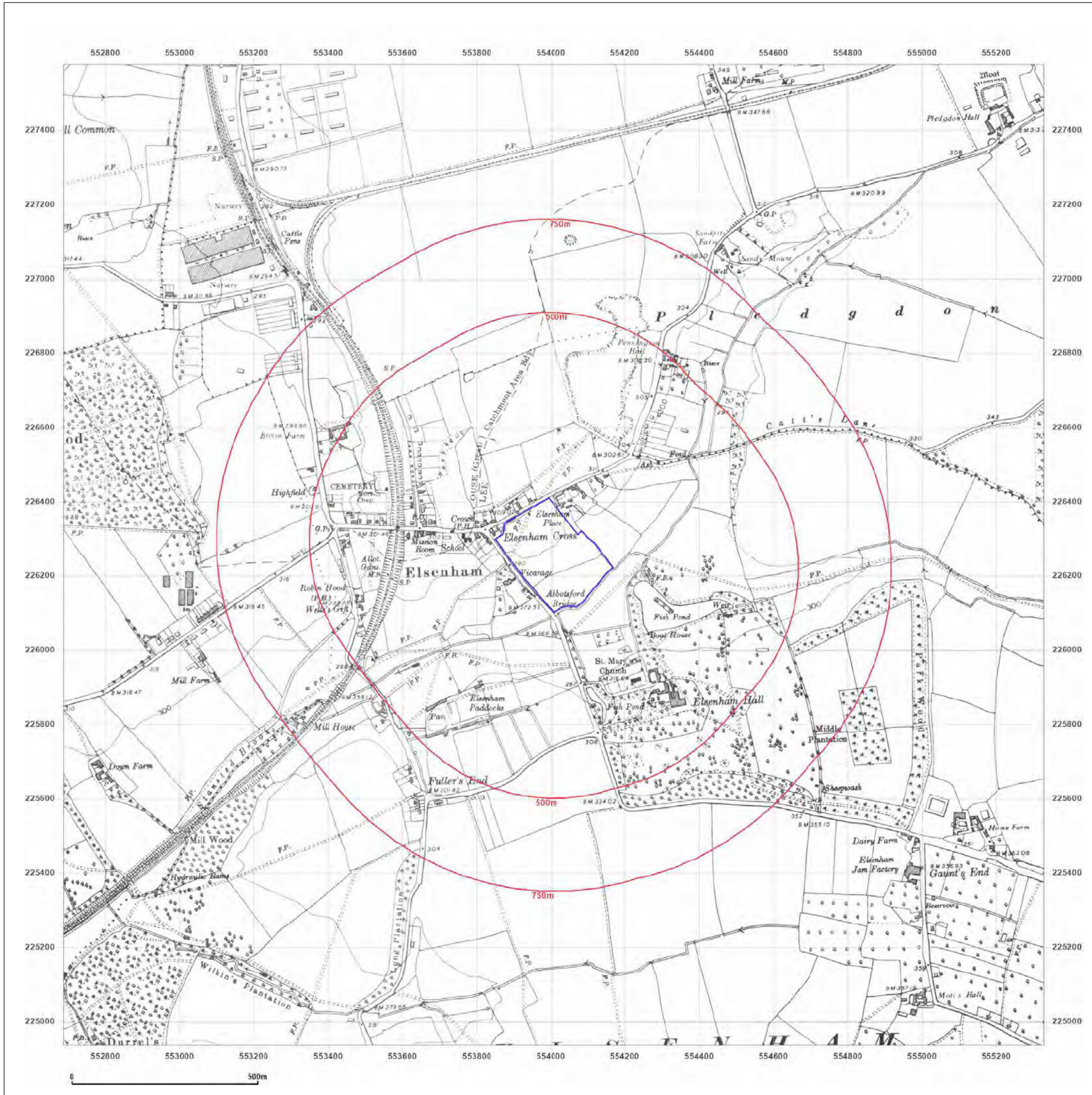


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**Client Ref:** 61207  
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**Map Name:** Provisional

**Map date:** 1960

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed N/A  
Revised 1959  
Edition 1960  
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Revised 1959  
Edition N/A  
Copyright 1960  
Levelled N/A

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Revised 1959  
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Copyright 1960  
Levelled N/A

Surveyed 1951  
Revised 1959  
Edition N/A  
Copyright 1960  
Levelled N/A

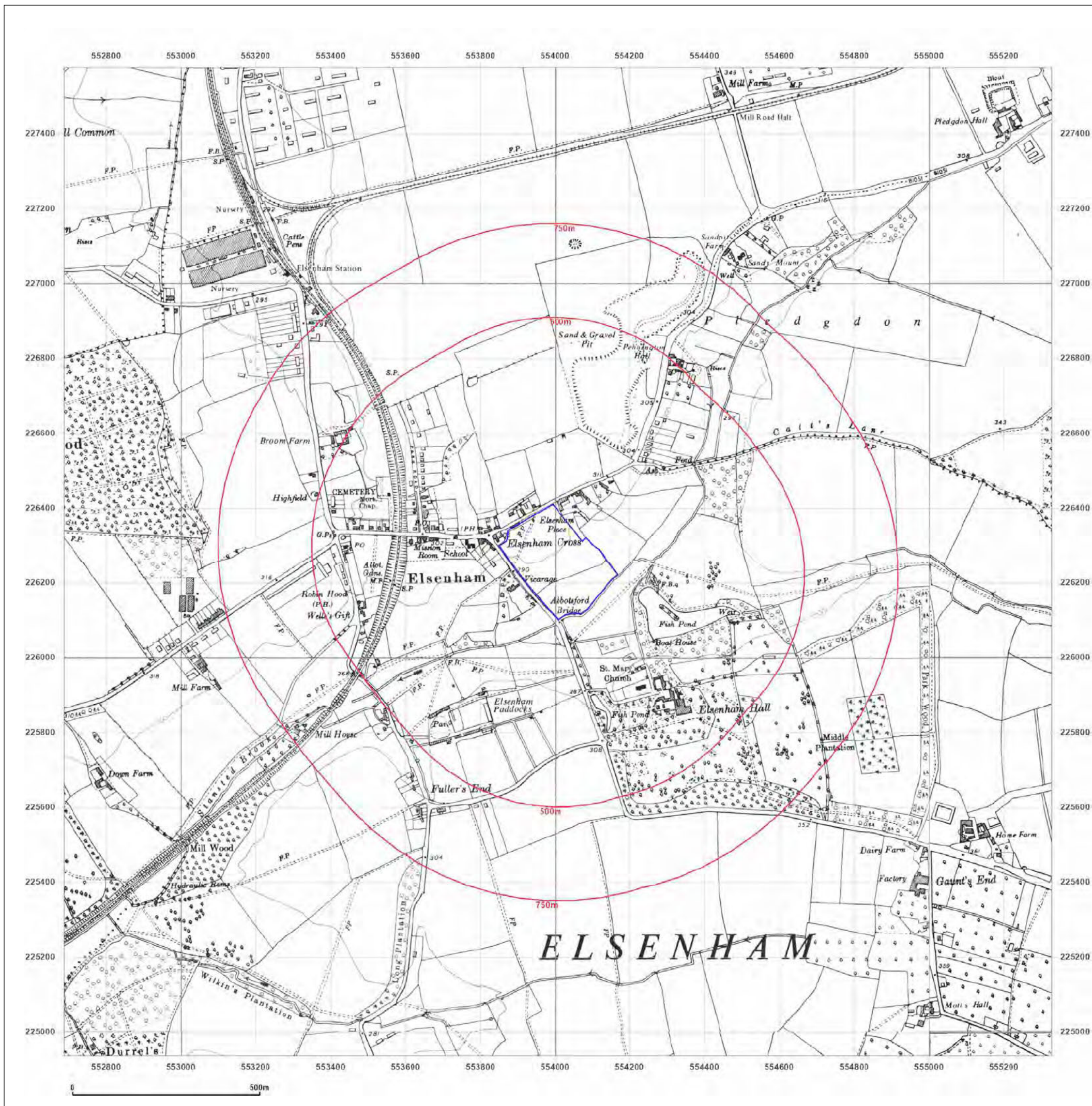


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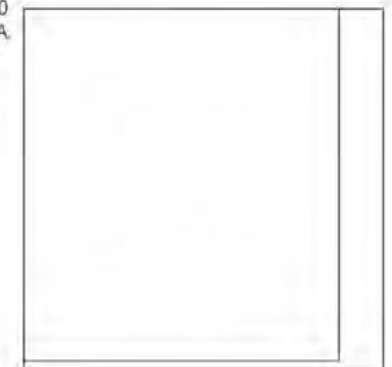
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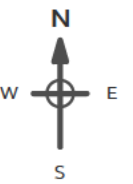
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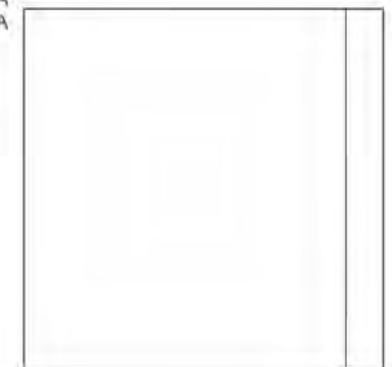
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Surveyed 1979  
Revised 1982  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1978  
Revised 1981  
Edition N/A  
Copyright N/A  
Levelled N/A

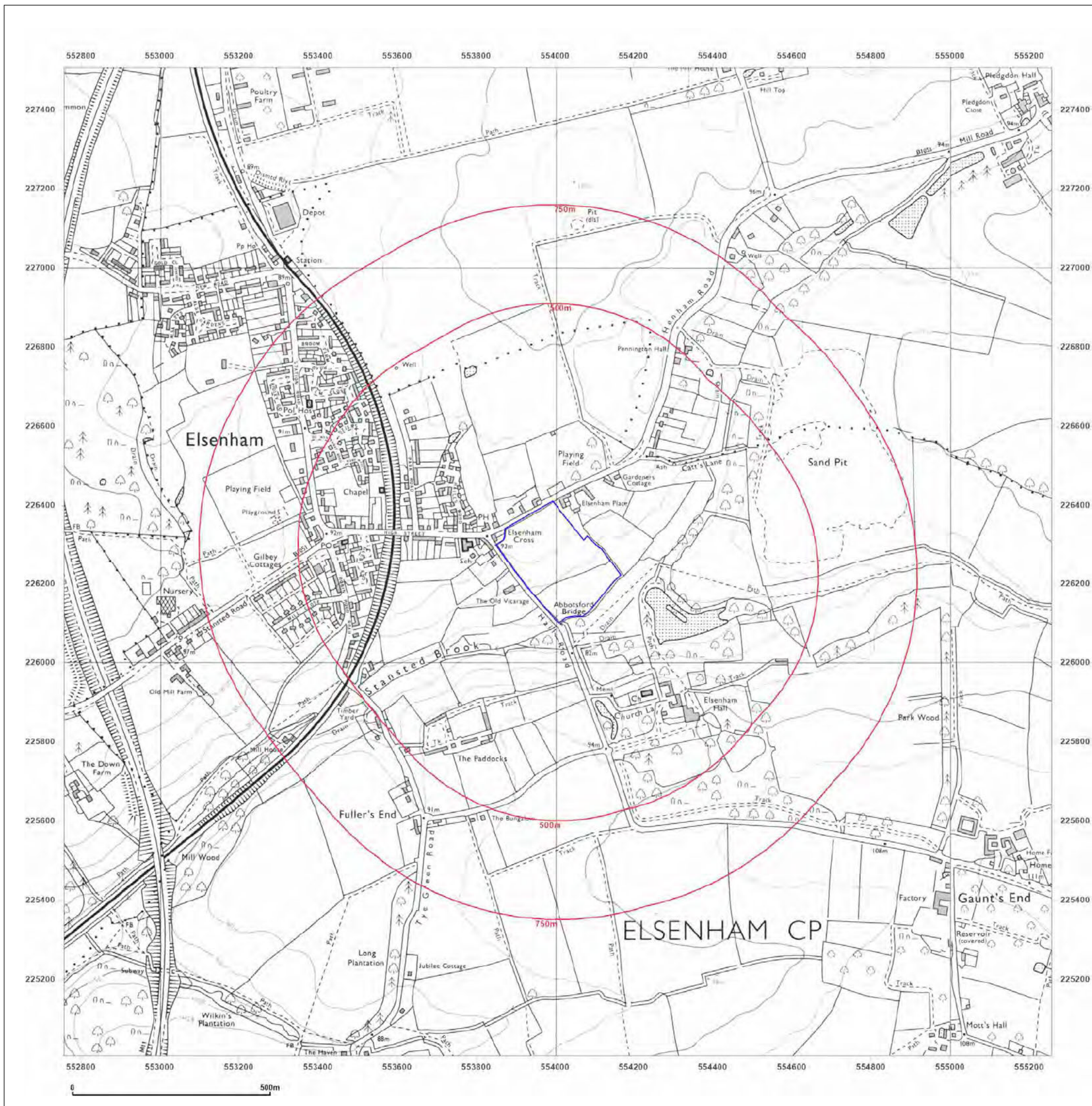


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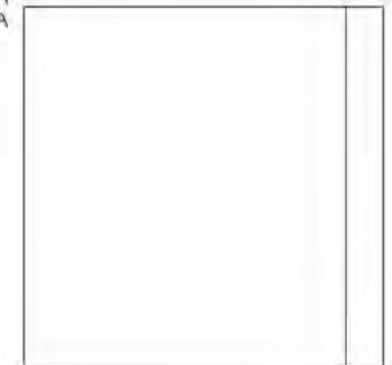
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Surveyed 1979  
Revised 1994  
Edition N/A  
Copyright N/A  
Levelled N/A

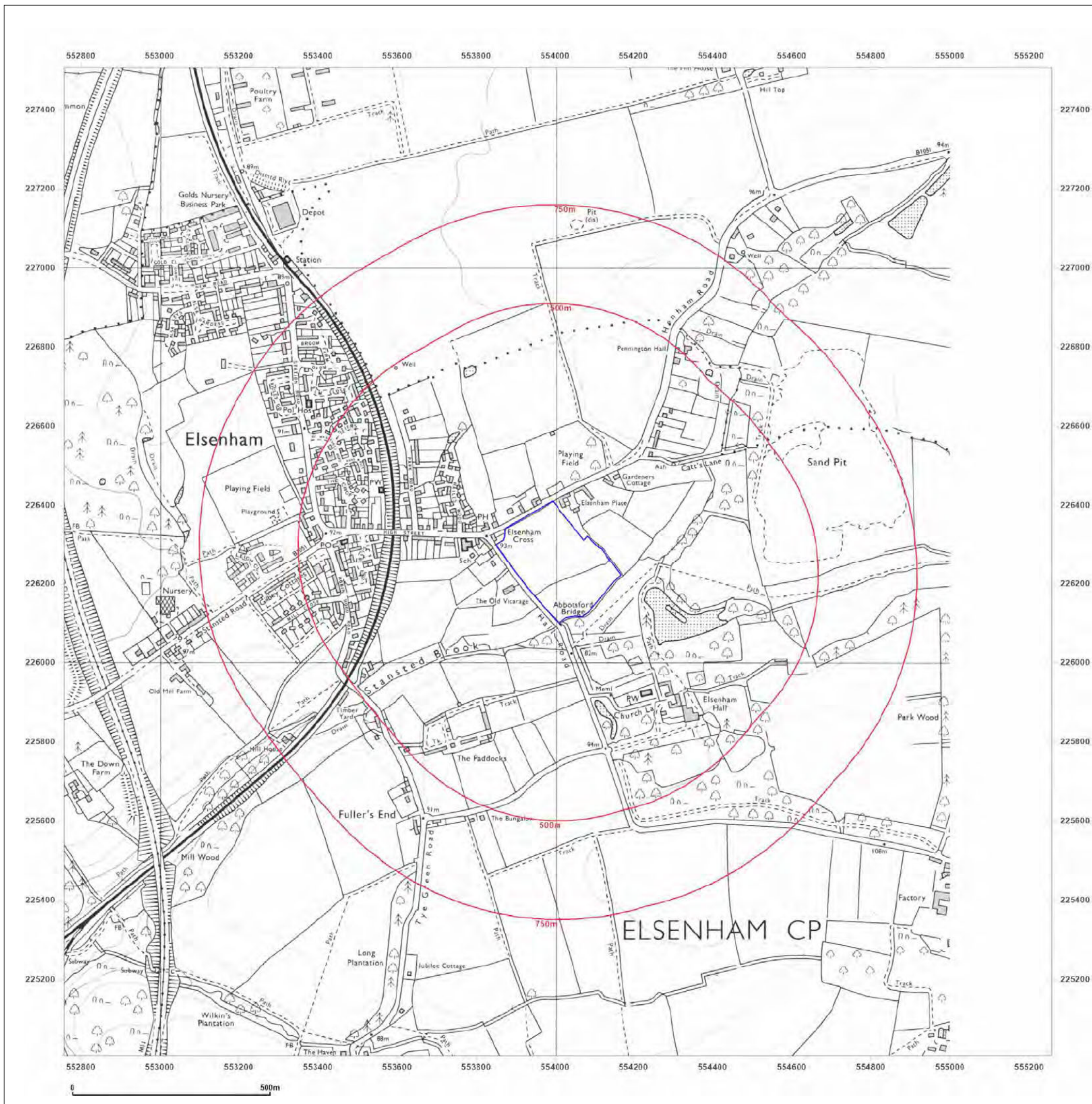


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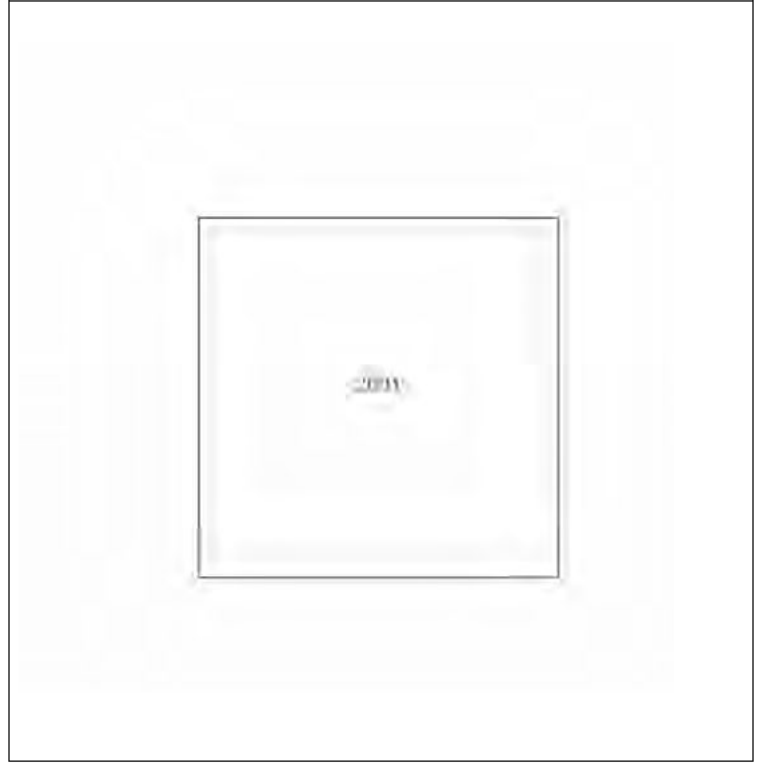
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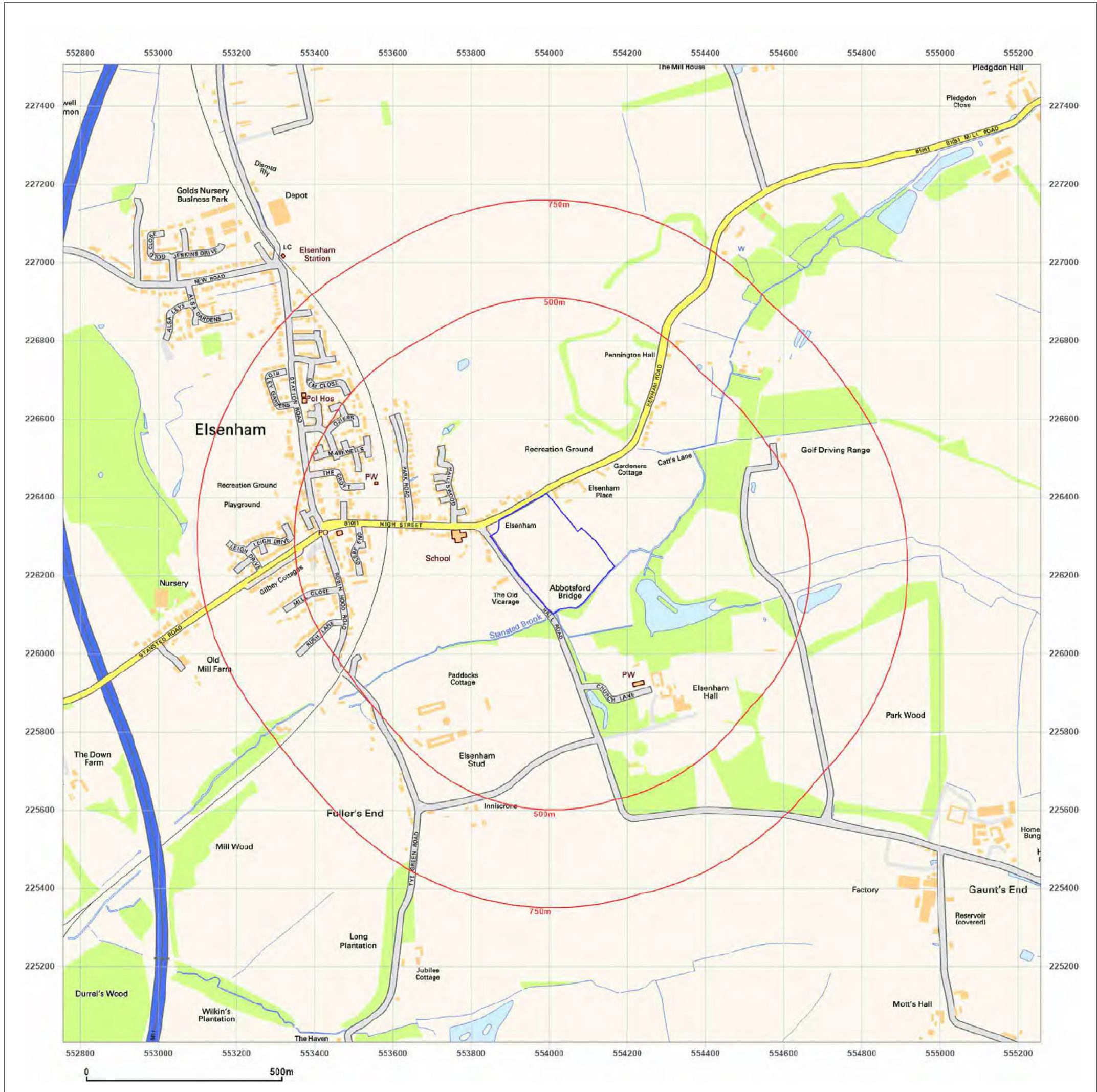


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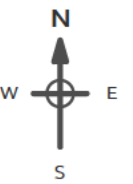
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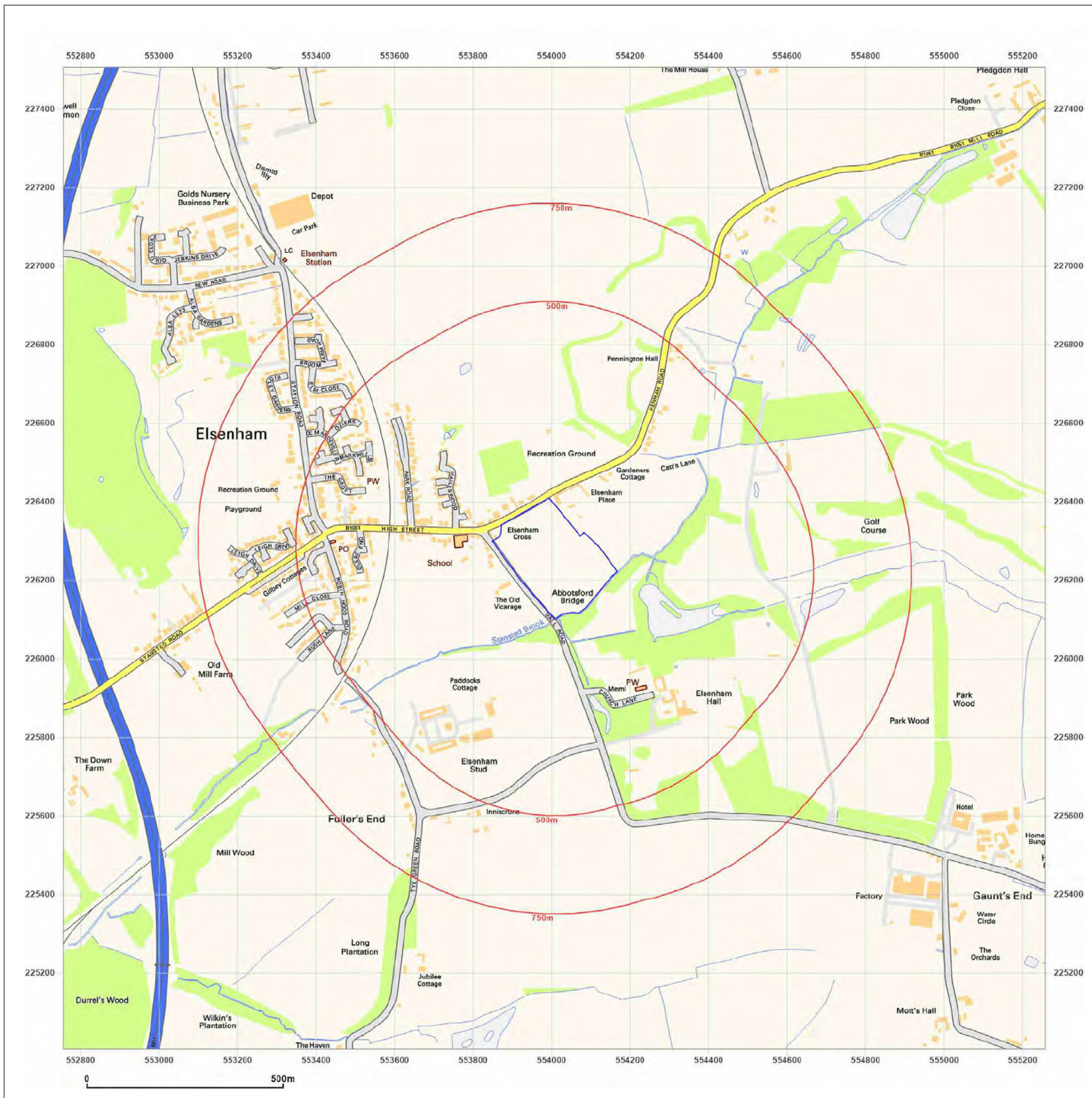


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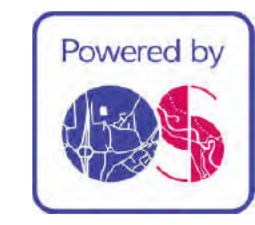
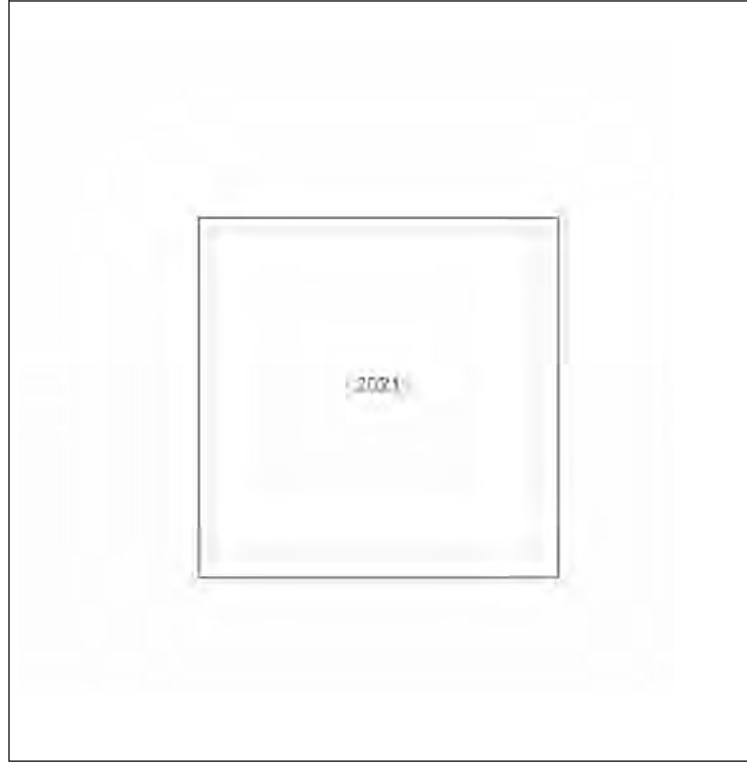
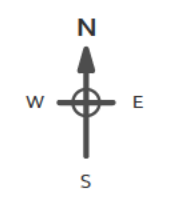
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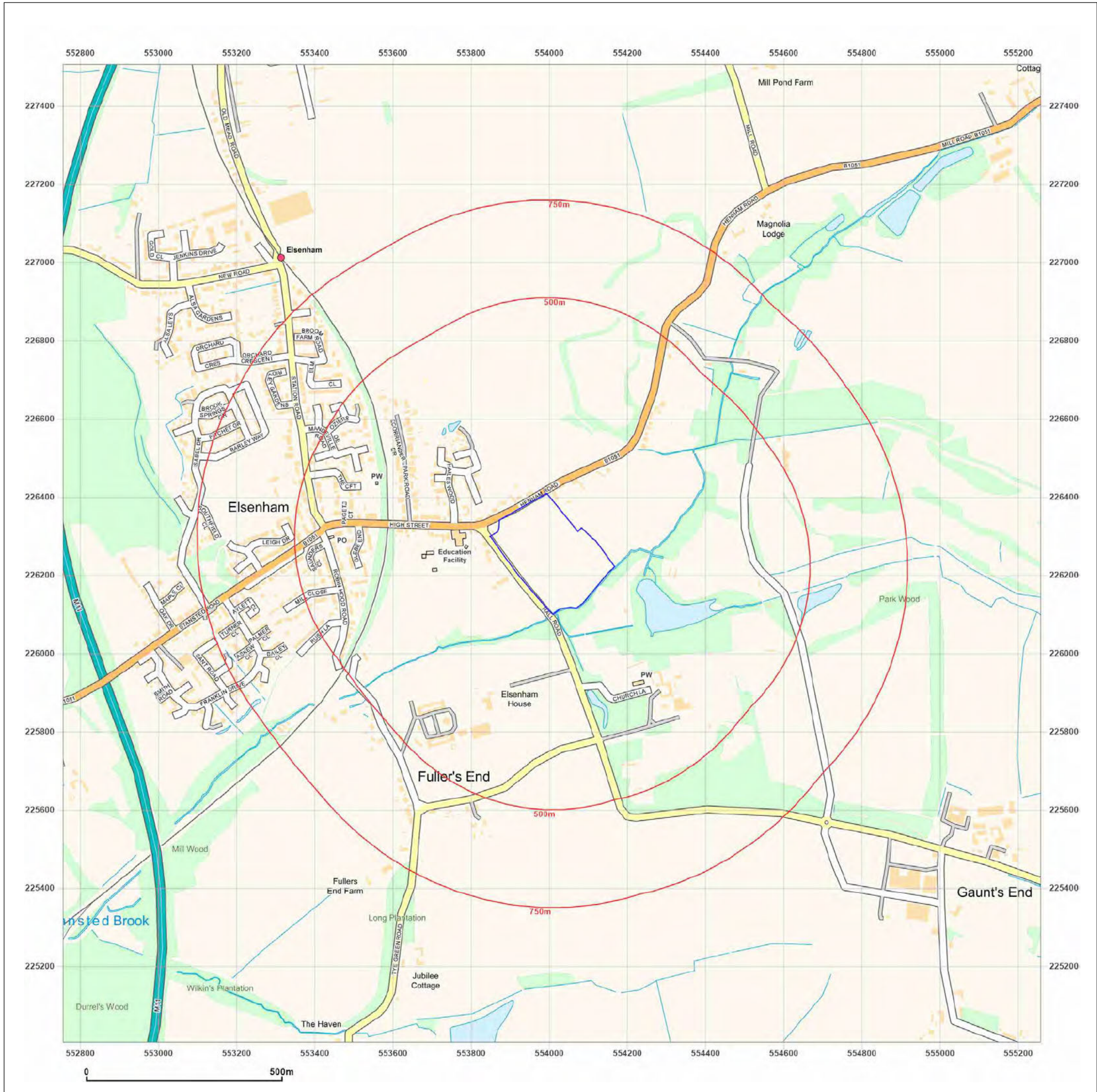


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**Client Ref:** 61207  
**Report Ref:** GS-7631332\_2500  
**Grid Ref:** 554006, 226255

**Map Name:** County Series

**Map date:** 1876

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1876  
Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

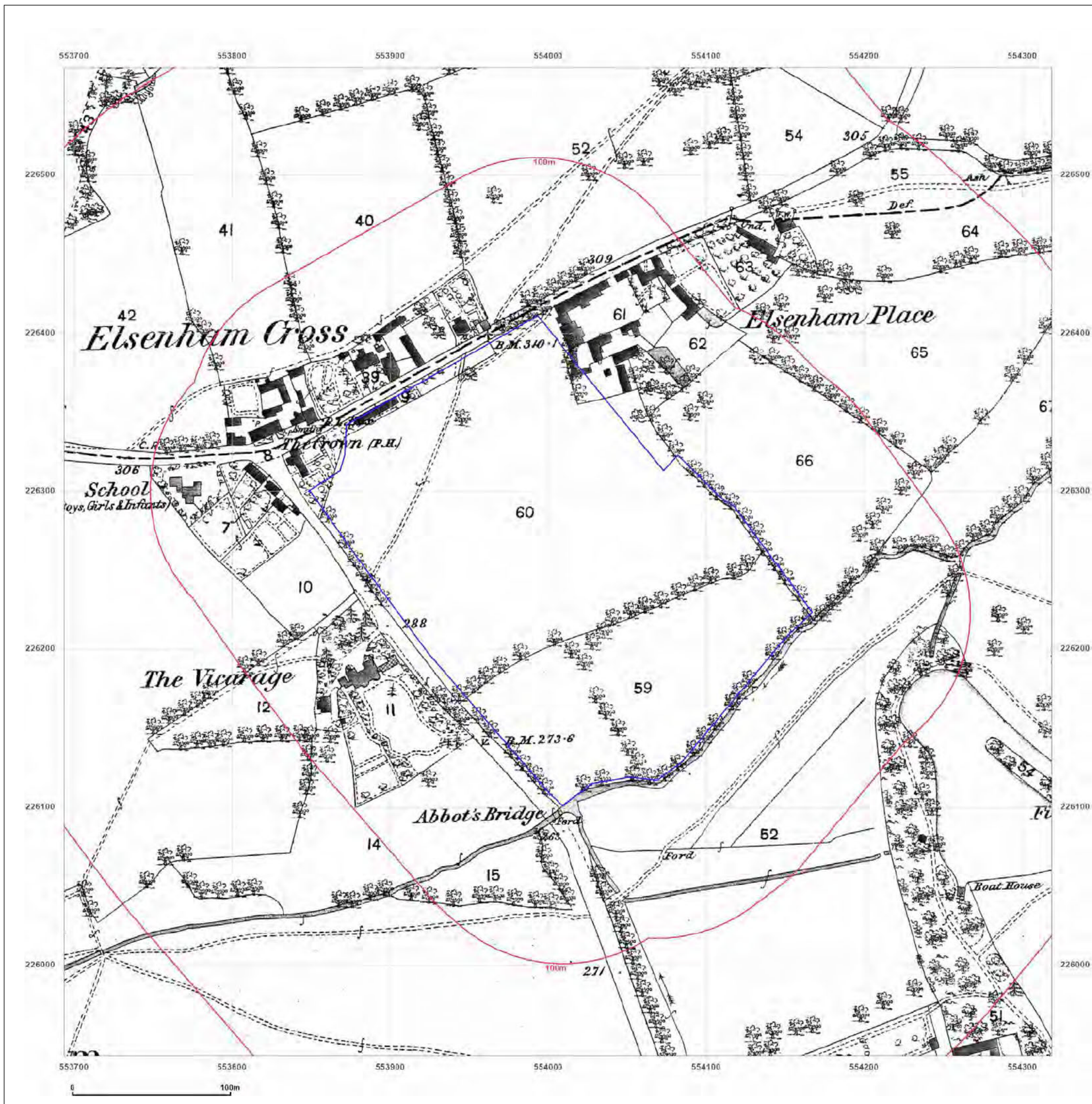


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**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
Revised 1897  
Edition N/A  
Copyright N/A  
Levelled N/A

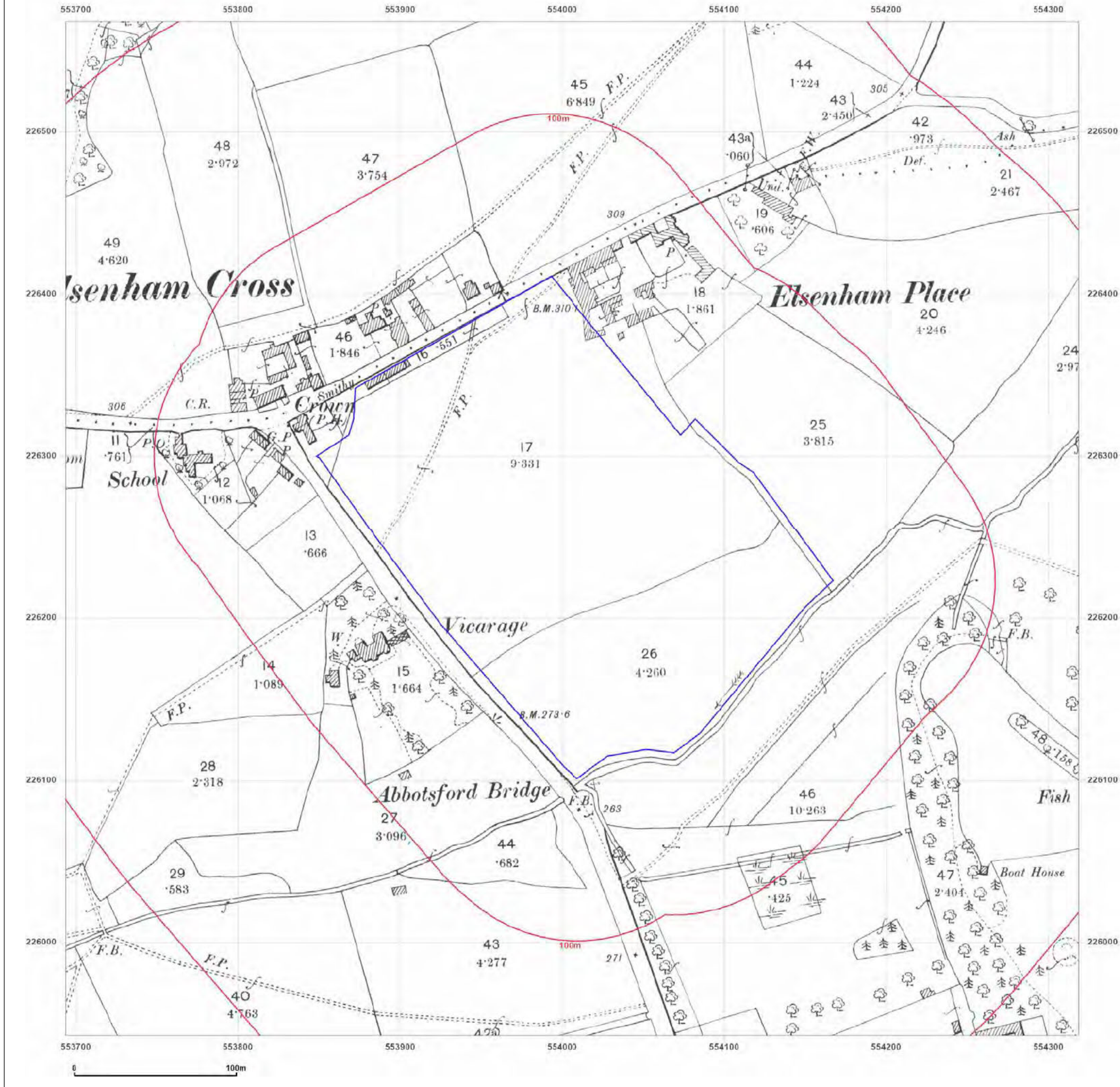


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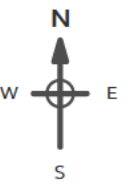
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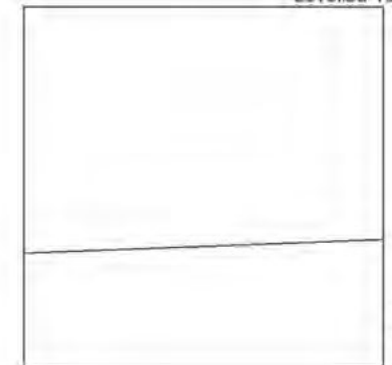
**Map date:** 1920

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Surveyed 1875  
Revised 1919  
Edition 1920  
Copyright N/A  
Levelled 1896



Surveyed 1875  
Revised 1919  
Edition 1920  
Copyright N/A  
Levelled 1896

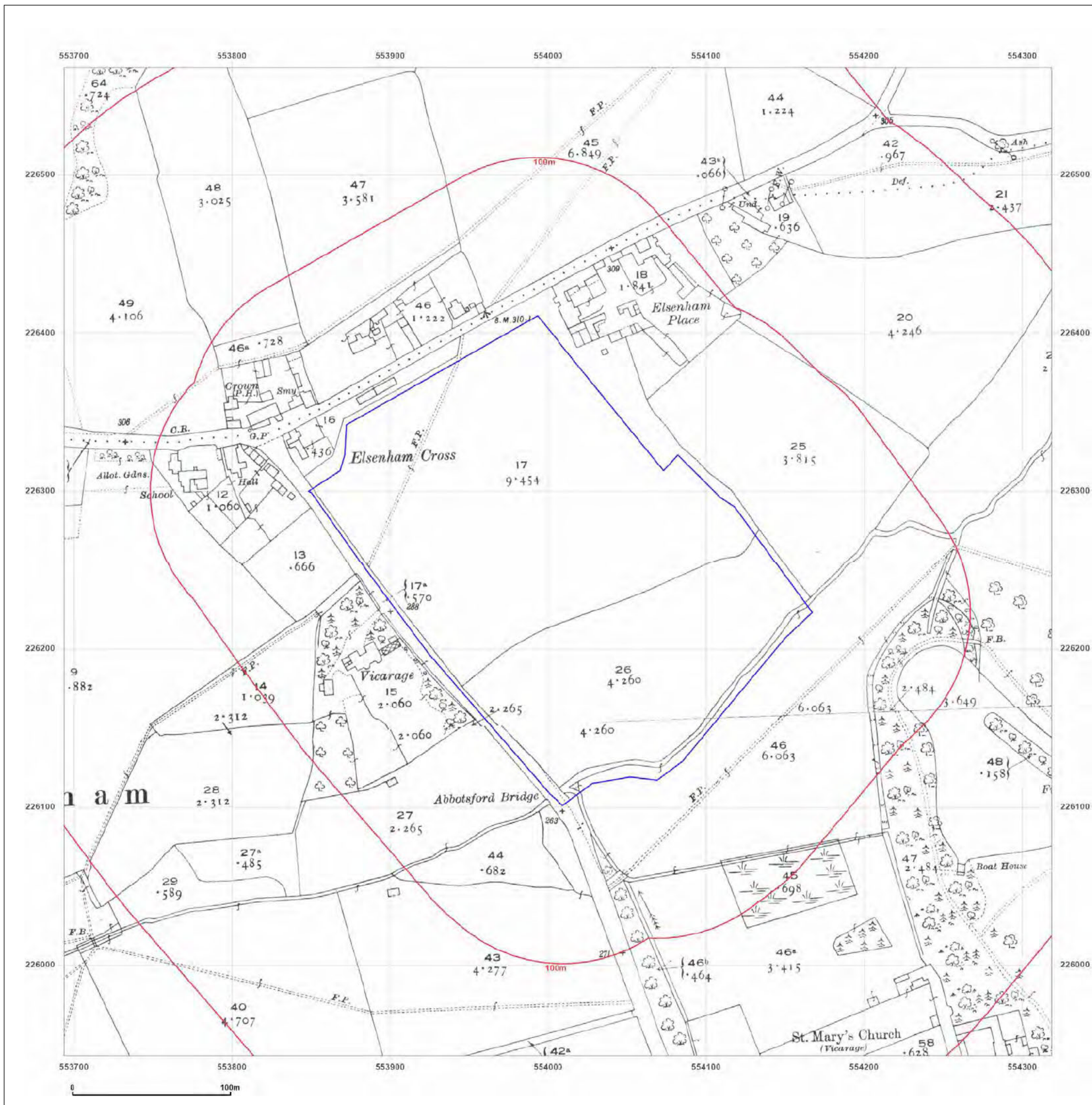


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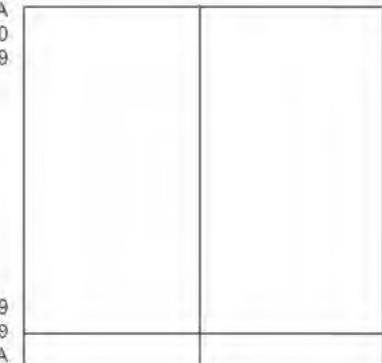
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Revised 1969  
Edition N/A  
Copyright 1970  
Levelled 1949



Surveyed 1969  
Revised 1969  
Edition N/A  
Copyright 1970  
Levelled 1949

Surveyed 1969  
Revised 1969  
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Copyright 1970  
Levelled 1949

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Copyright 1970  
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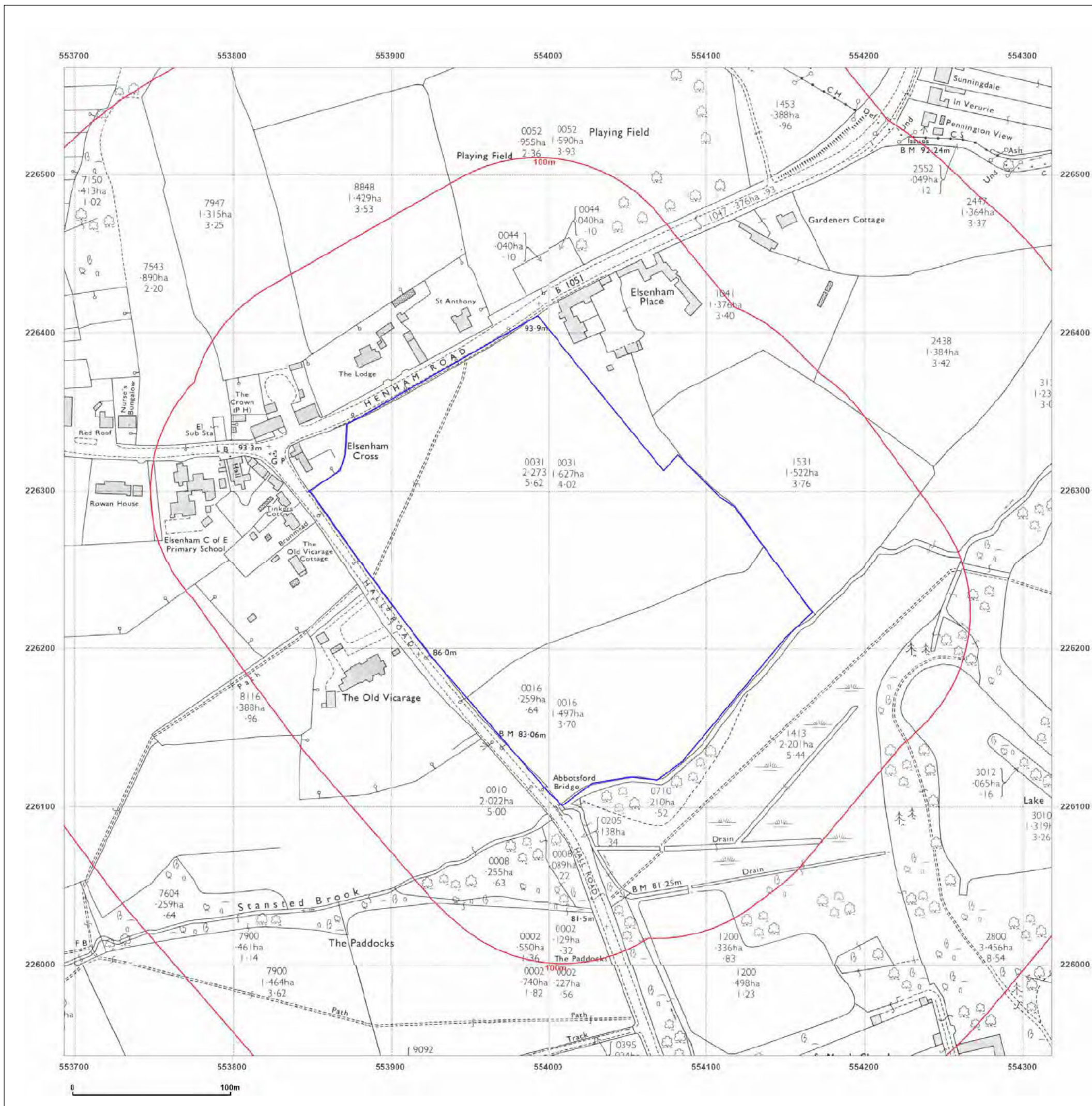


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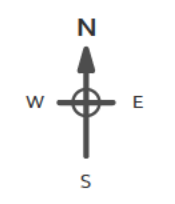
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**Map Name:** National Grid

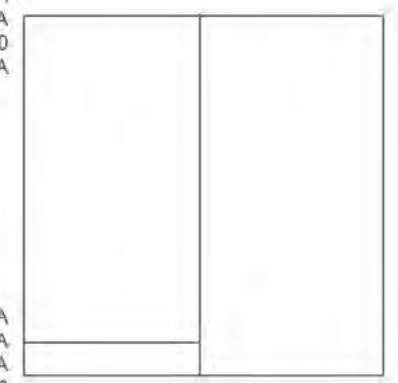
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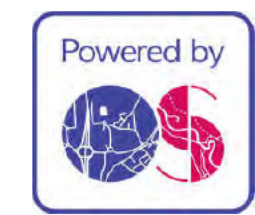
**Printed at:** 1:2,500



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Revised N/A  
Edition N/A  
Copyright 1970  
Levelled N/A



Surveyed N/A  
Revised N/A  
Edition N/A  
Copyright 1970  
Levelled N/A

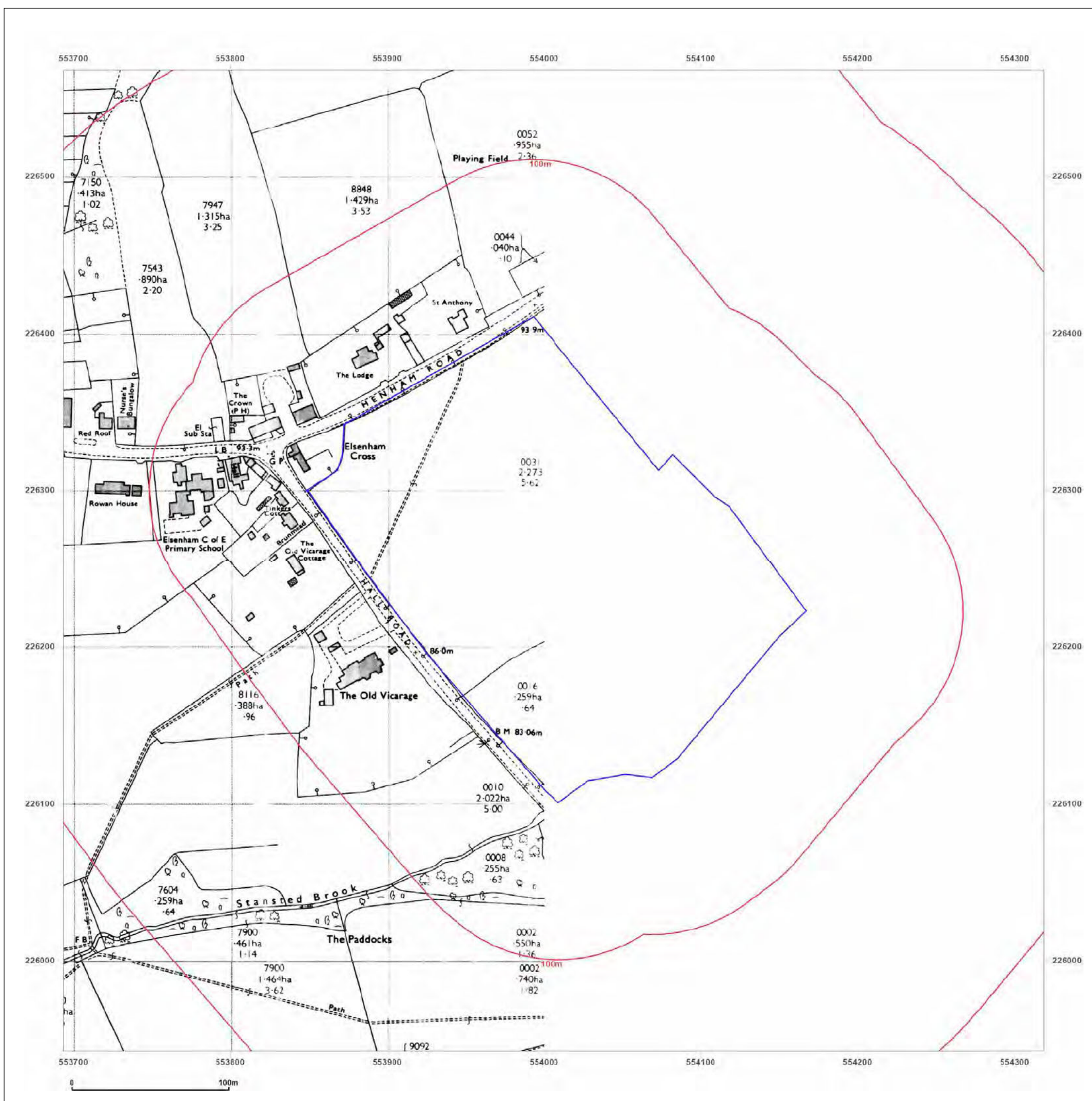


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**Client Ref:** 61207  
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**Map Name:** National Grid

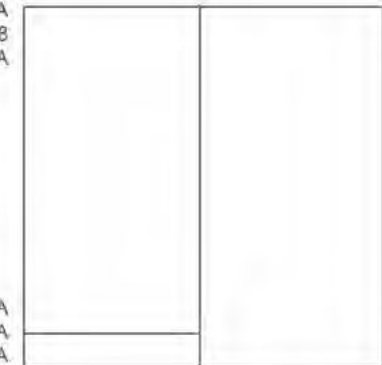
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**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
Revised N/A  
Edition N/A  
Copyright 1978  
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Surveyed N/A  
Revised N/A  
Edition N/A  
Copyright 1980  
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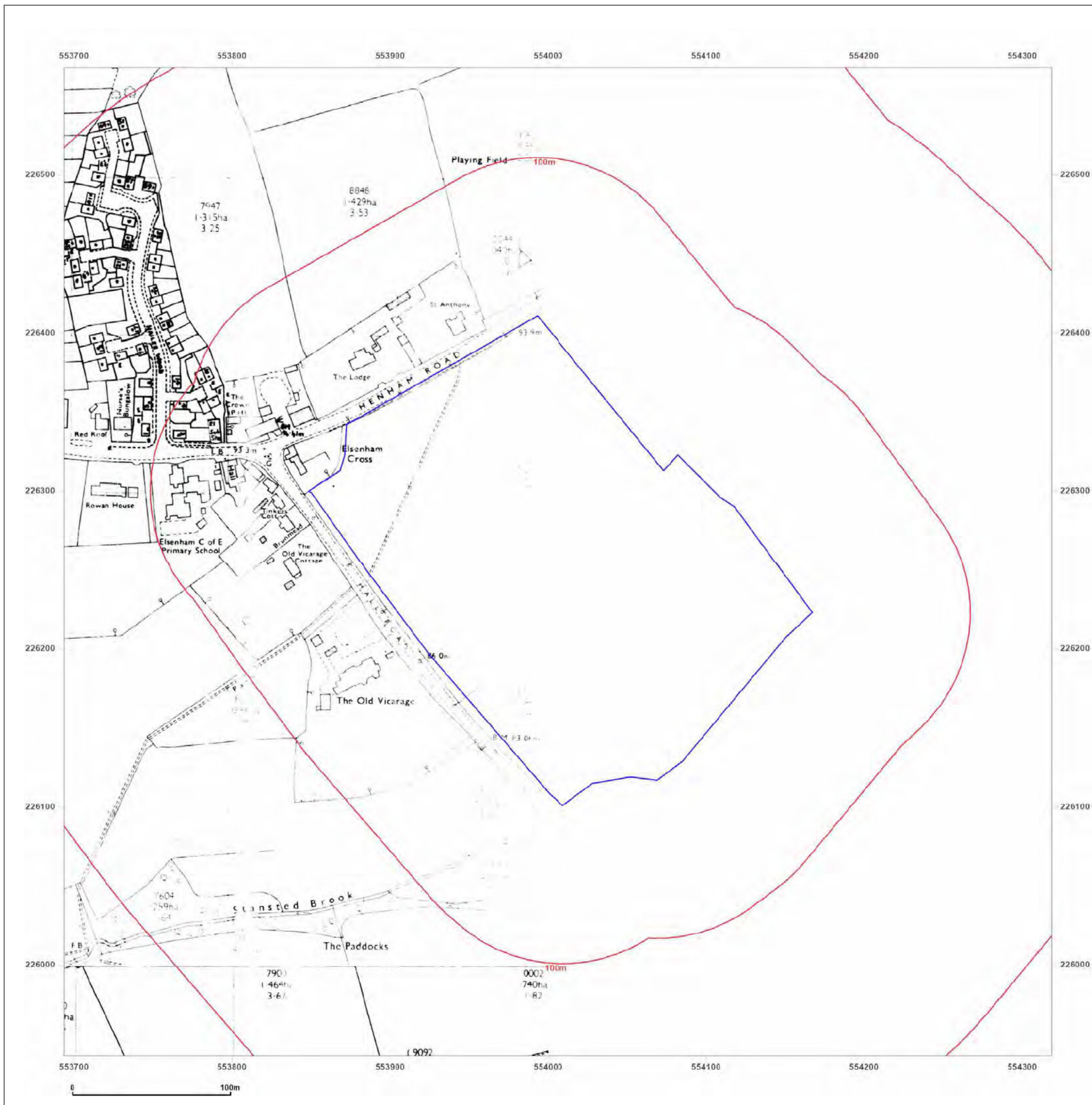


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Production date: 08 March 2021

Map legend available at:



**Site Details:**

HENHAM ROAD, ELSENHAM,  
CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_2500  
**Grid Ref:** 554006, 226255

**Map Name:** National Grid

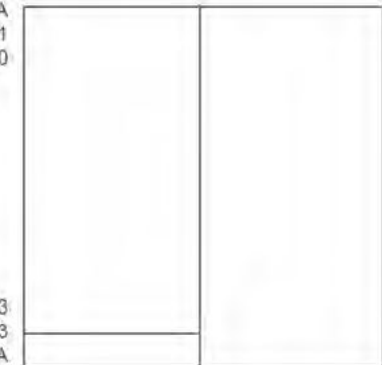
**Map date:** 1980-1983

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1980  
Revised 1980  
Edition N/A  
Copyright 1981  
Levelled 1970



Surveyed 1983  
Revised 1983  
Edition N/A  
Copyright 1984  
Levelled 1969

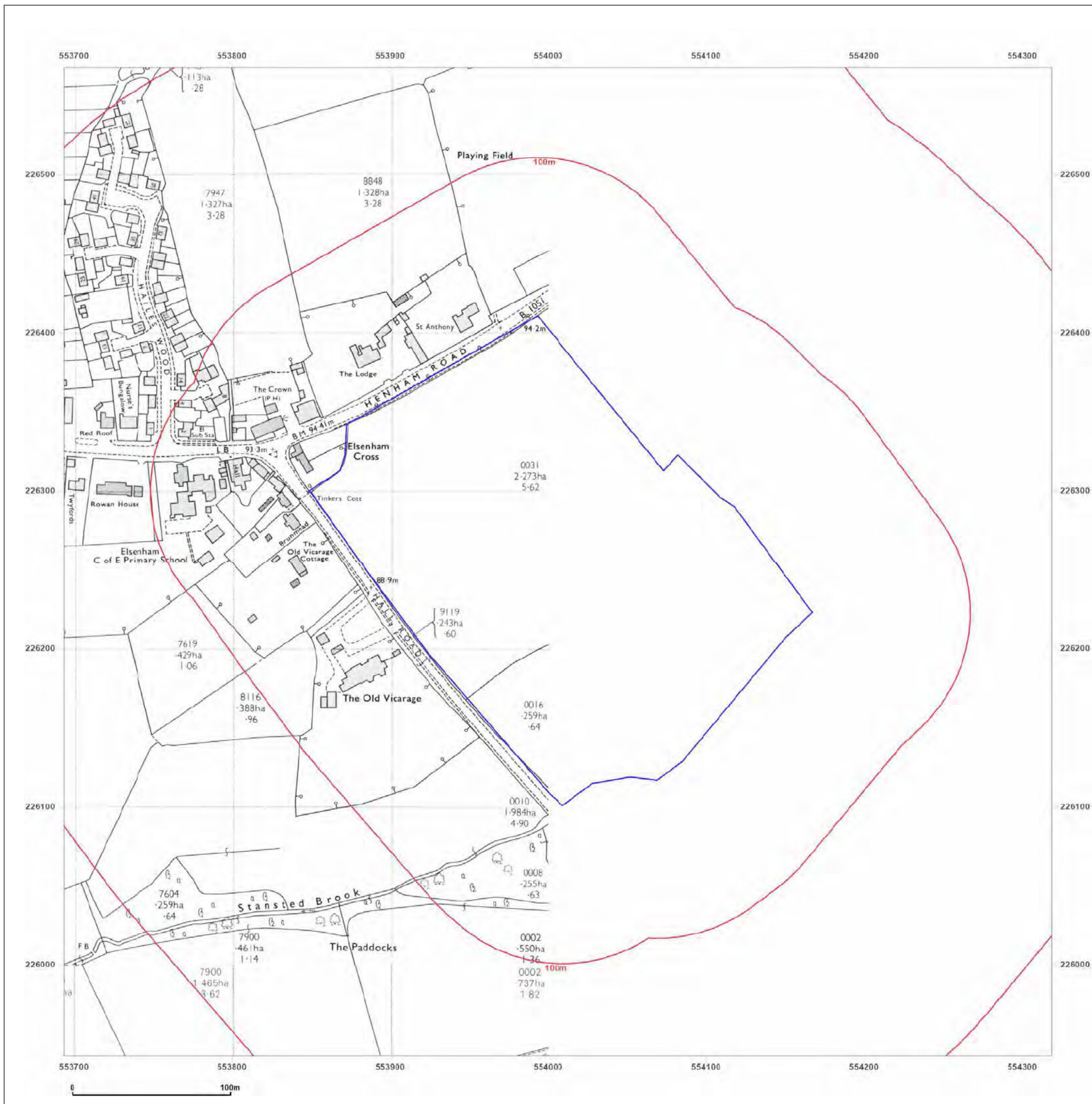


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CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_2500  
**Grid Ref:** 554006, 226255

**Map Name:** National Grid

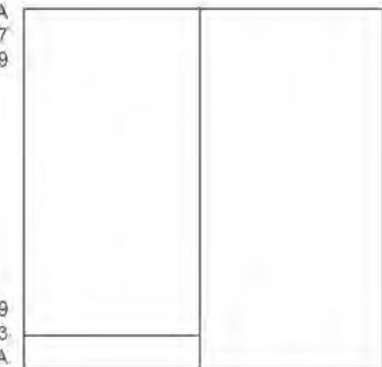
**Map date:** 1984-1987

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1969  
Revised 1987  
Edition N/A  
Copyright 1987  
Levelled 1969



Surveyed 1969  
Revised 1983  
Edition N/A  
Copyright 1984  
Levelled 1982

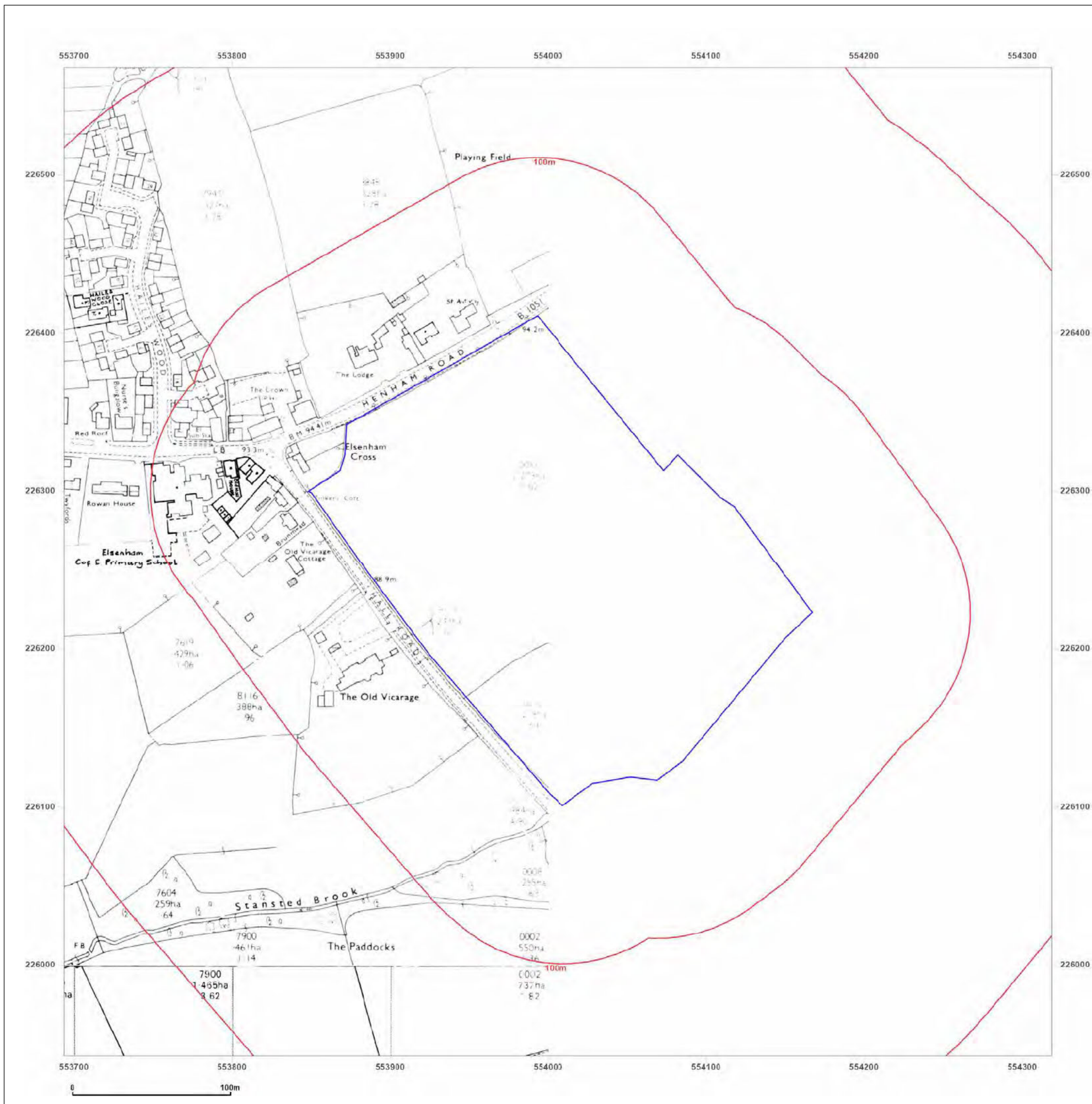


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**Site Details:**

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CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_2500  
**Grid Ref:** 554006, 226255

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



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

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

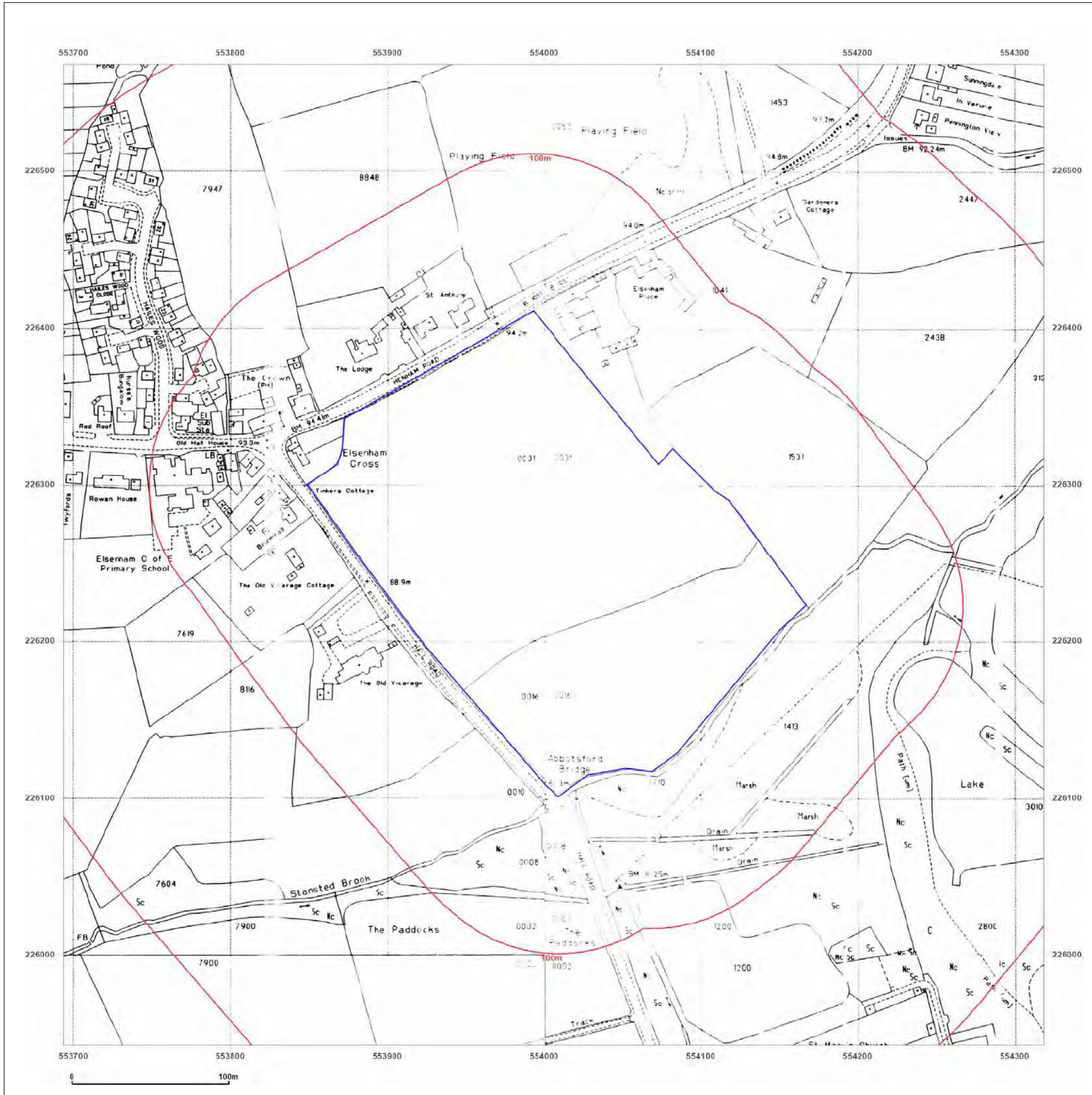


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**Site Details:**

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CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_2500  
**Grid Ref:** 554006, 226255

**Map Name:** National Grid

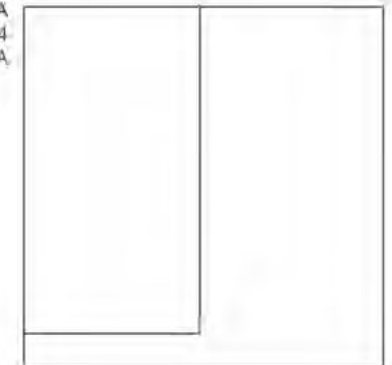
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Surveyed N/A  
Revised N/A  
Edition N/A  
Copyright 1994  
Levelled N/A

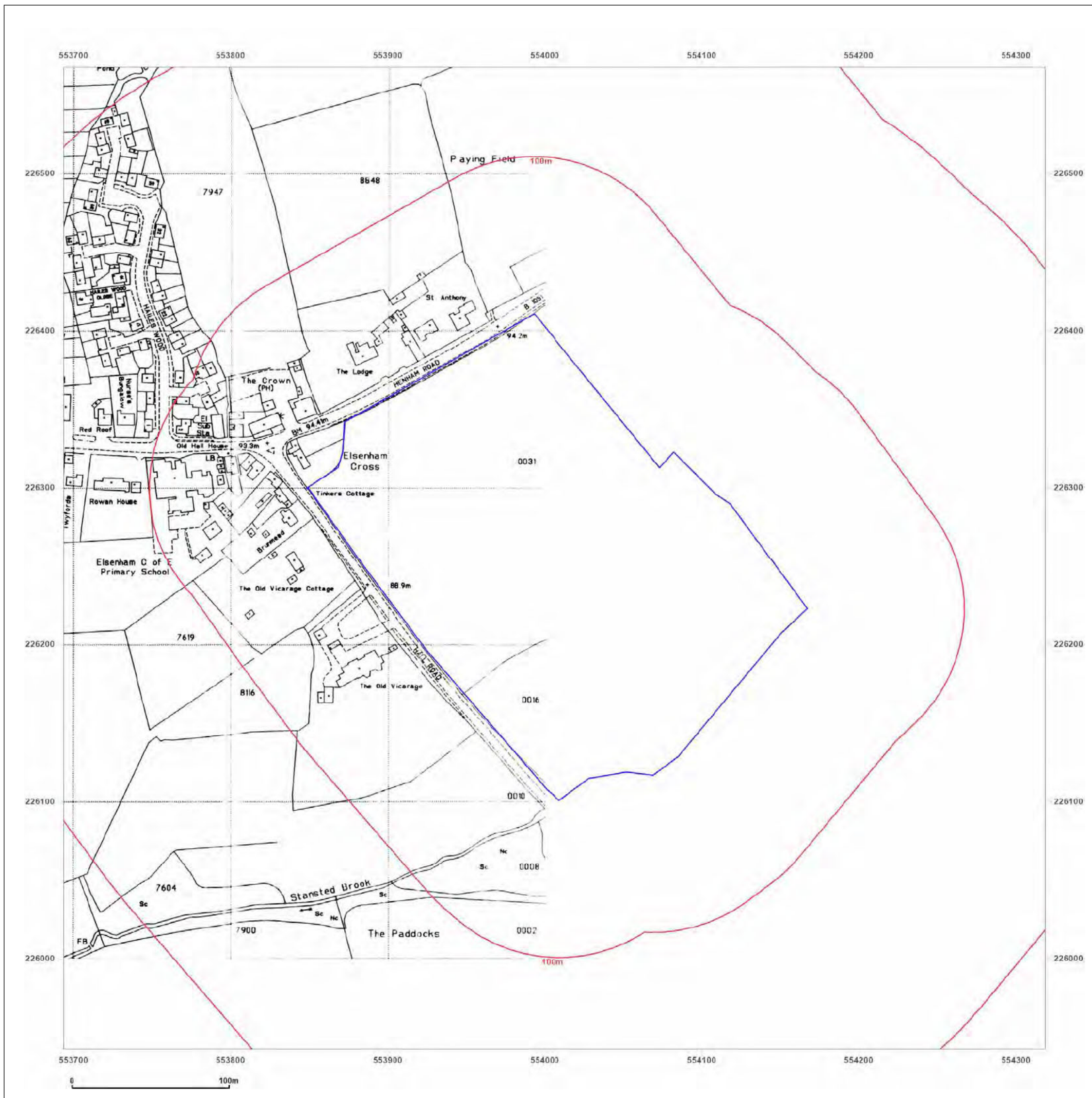


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CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_2500  
**Grid Ref:** 554006, 226255

**Map Name:** National Grid

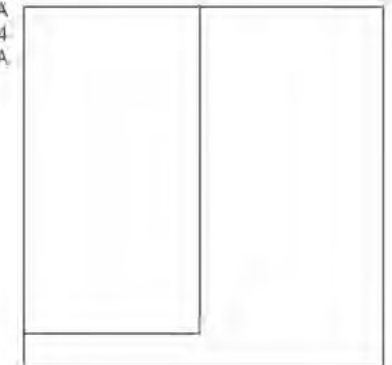
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Surveyed 1994  
Revised 1994  
Edition N/A  
Copyright 1994  
Levelled N/A

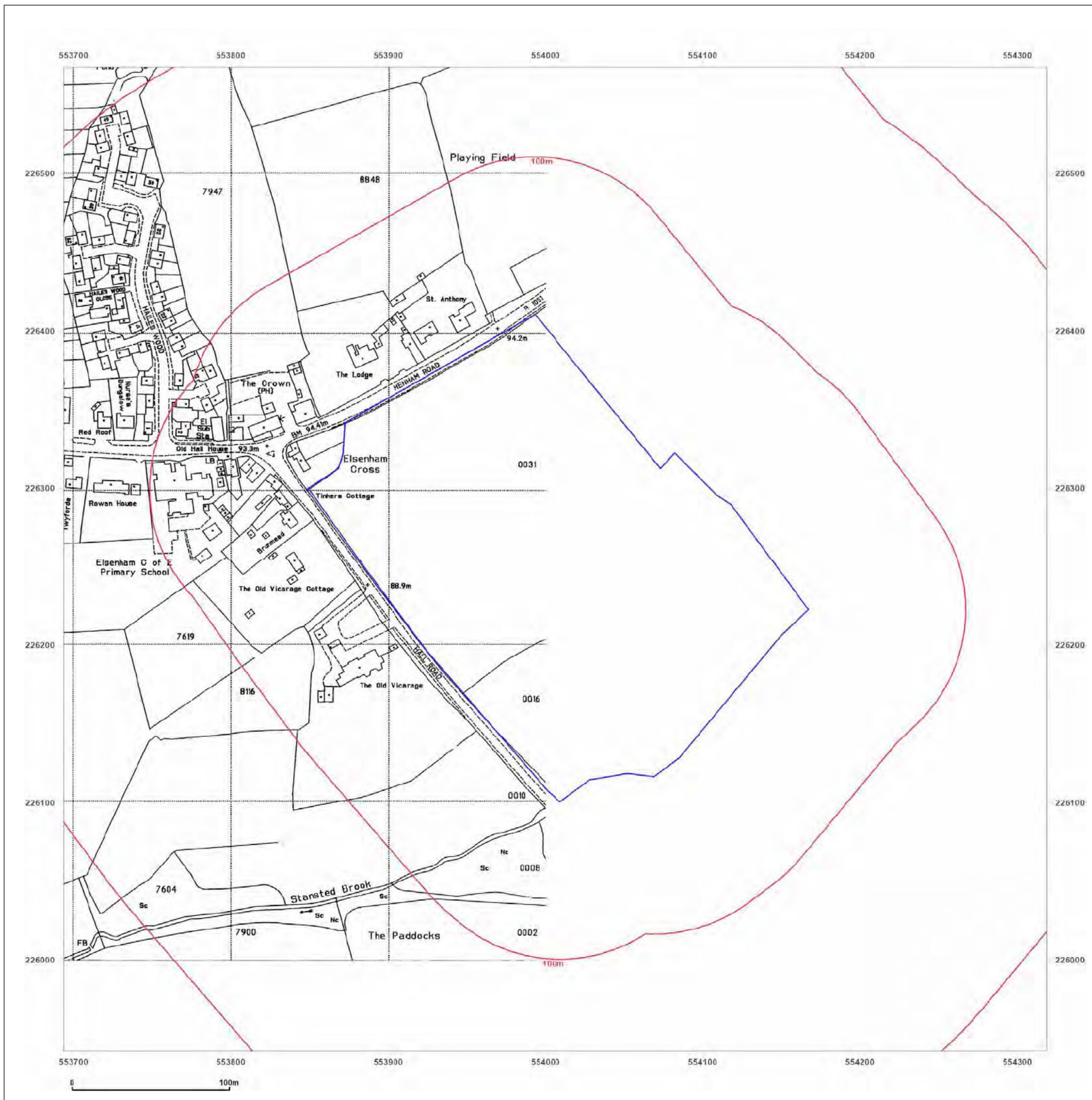


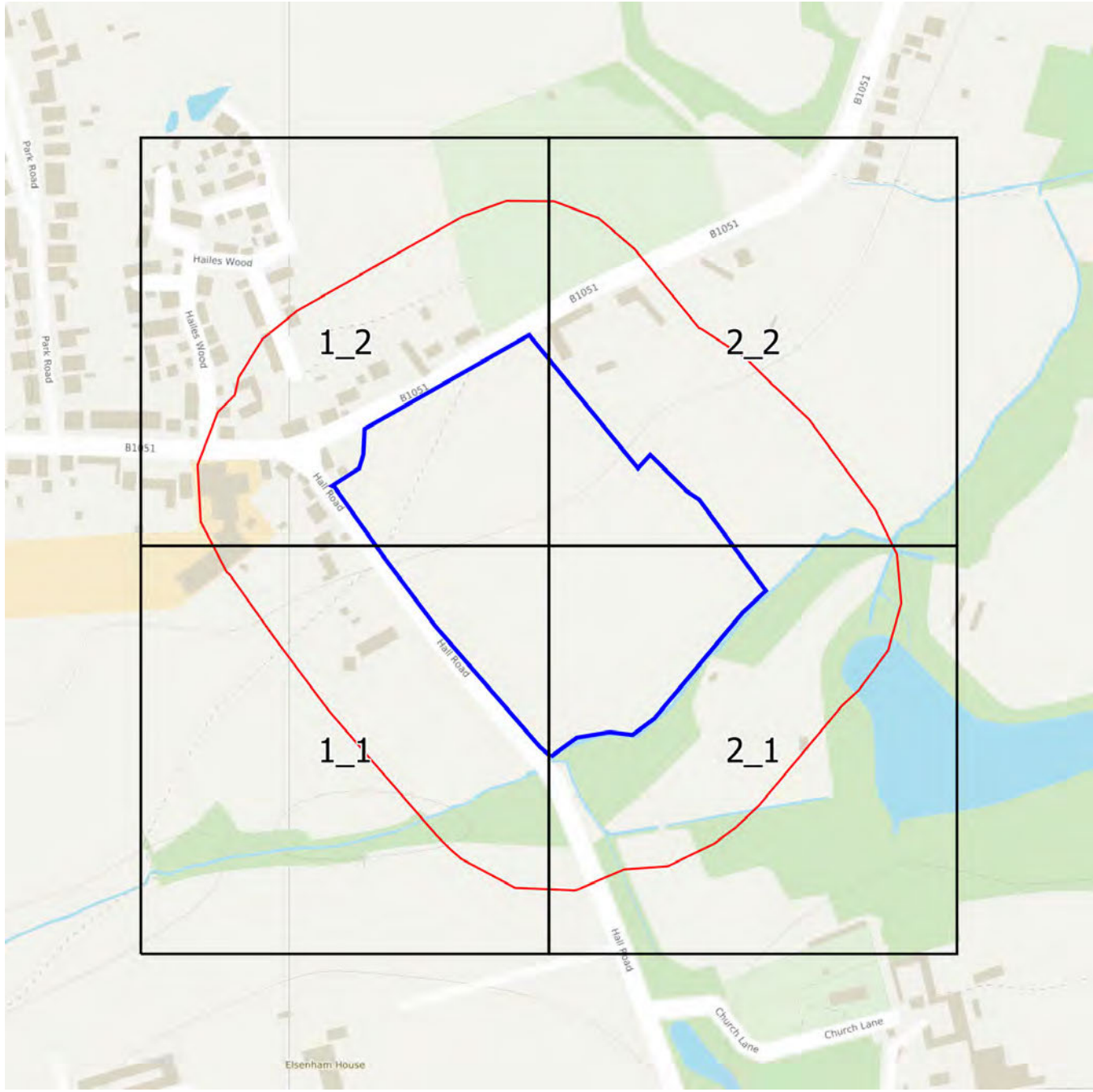
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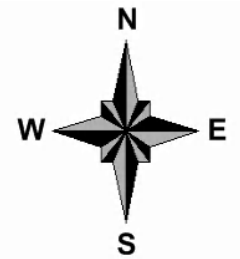
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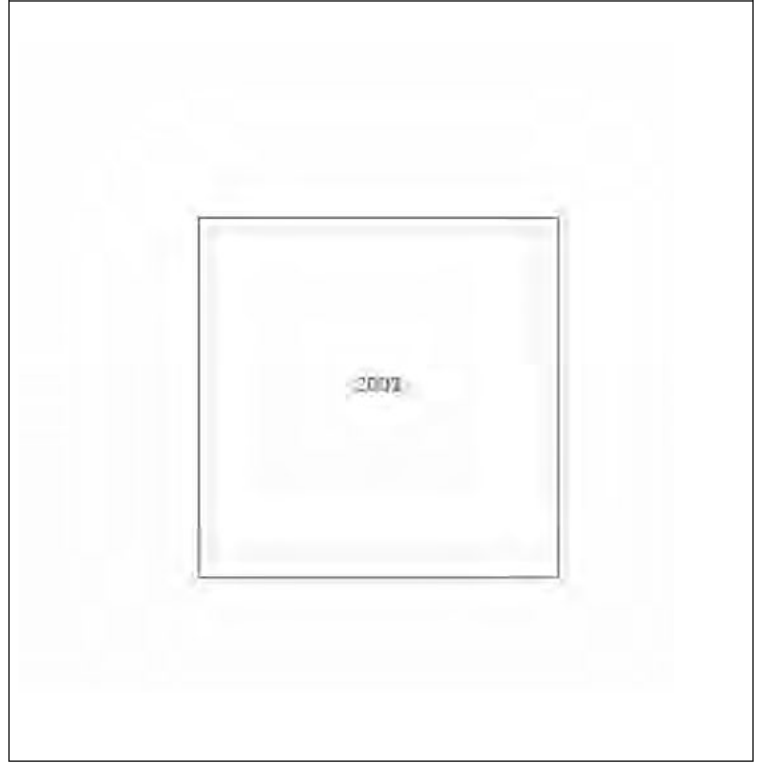
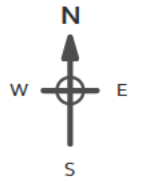
Landline Scale Grid Index




**Site Details:**  
 HENHAM ROAD, ELSENHAM,  
 CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_Landline\_1\_1  
**Grid Ref:** 553857, 226106

**Map Name:** LandLine  
**Map date:** 2003  
**Scale:** 1:1,250  
**Printed at:** 1:1,250

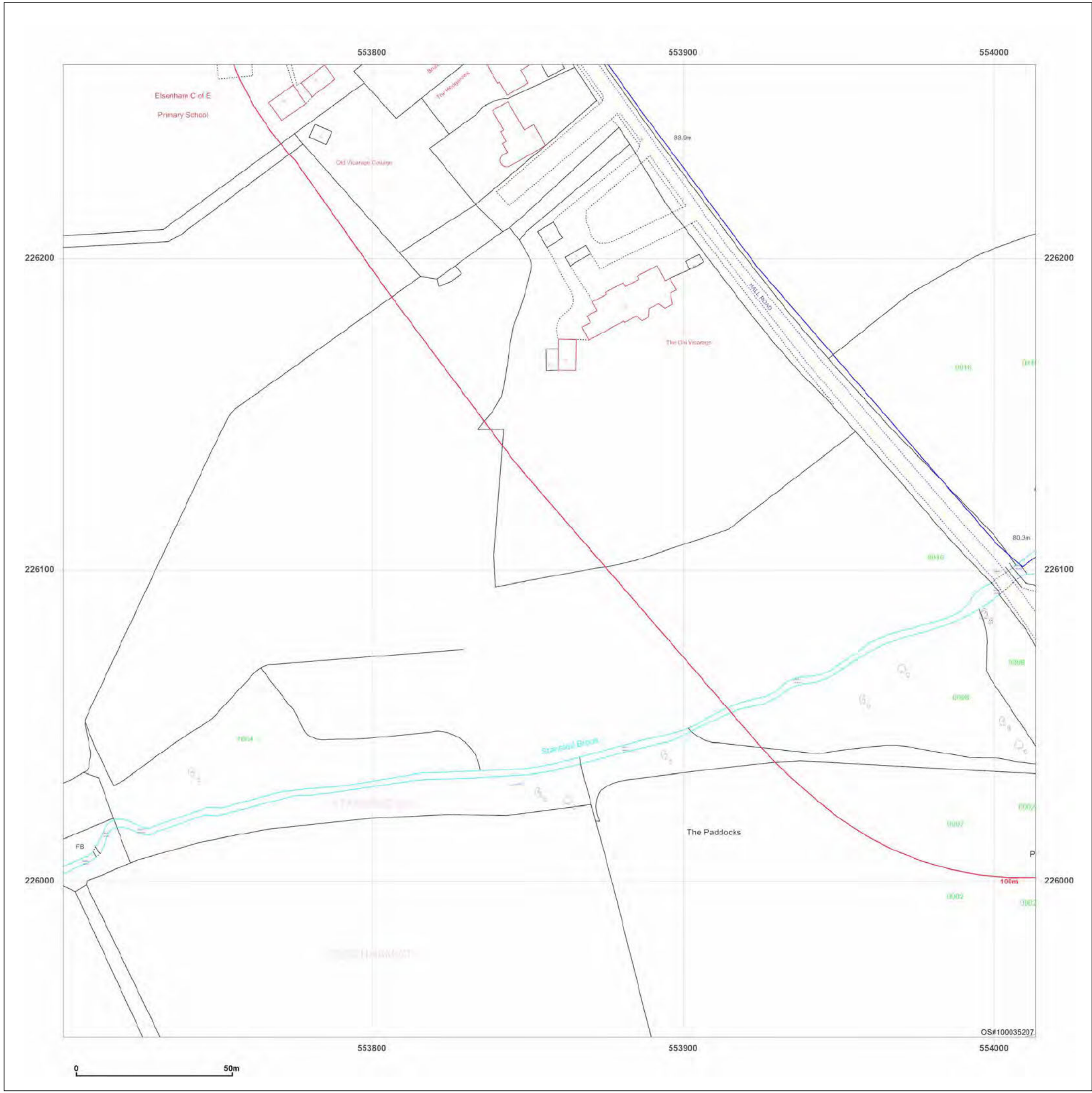


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Production date: 08 March 2021

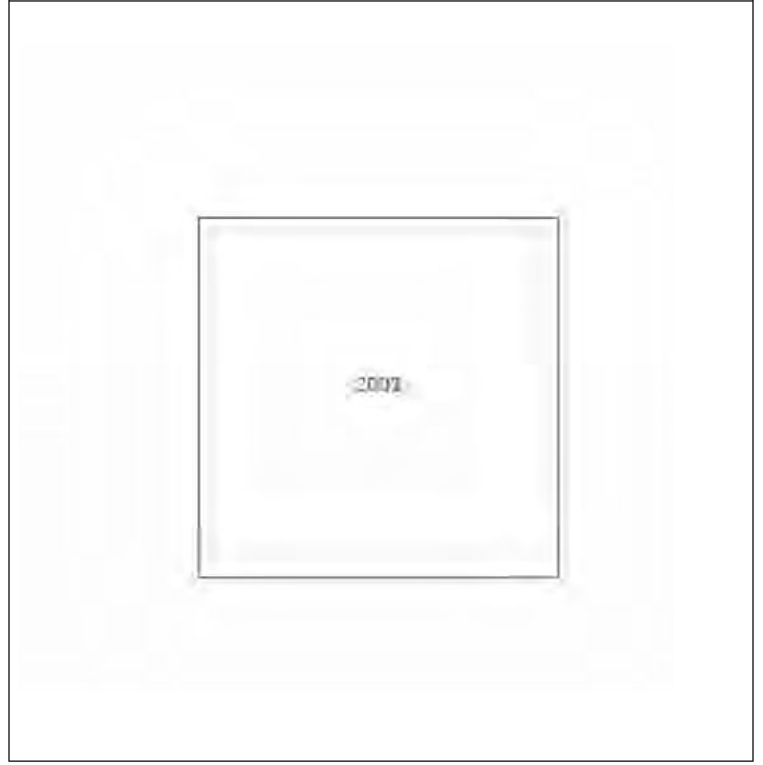
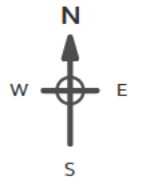
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**Site Details:**  
 HENHAM ROAD, ELSENHAM,  
 CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_Landline\_1\_2  
**Grid Ref:** 553857, 226406

**Map Name:** LandLine  
**Map date:** 2003  
**Scale:** 1:1,250  
**Printed at:** 1:1,250



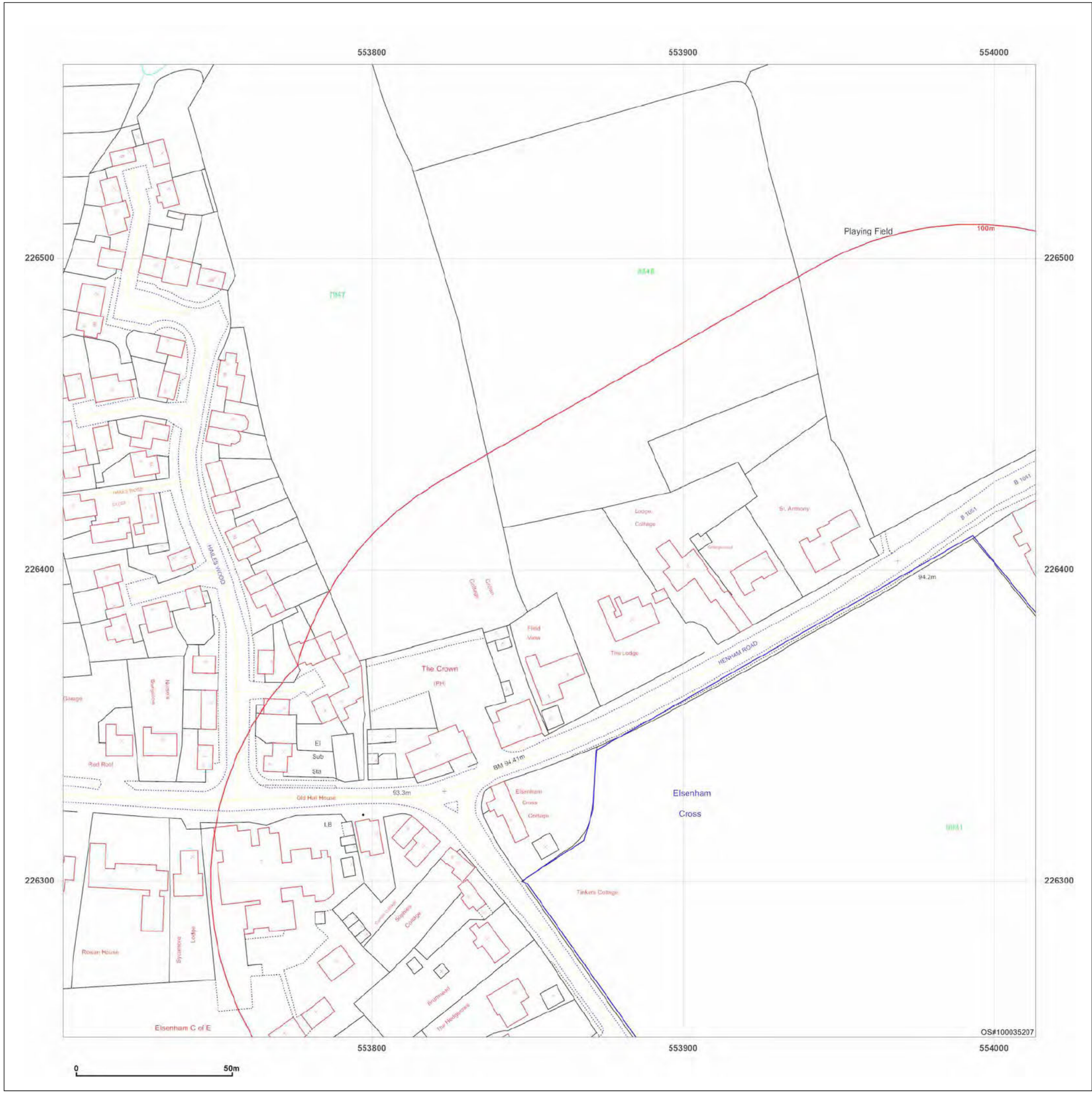
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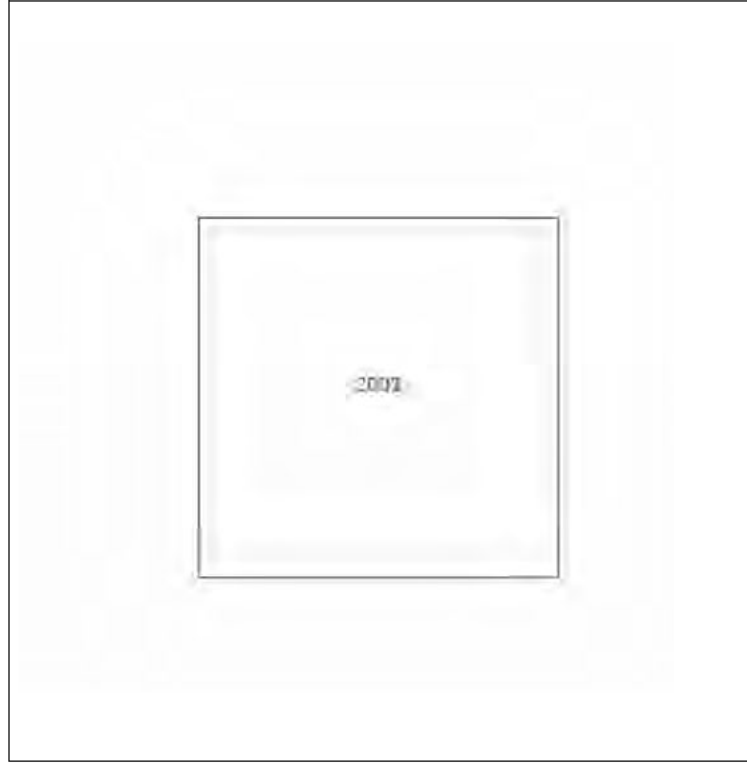
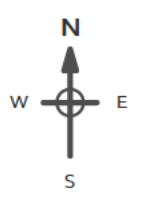
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**Site Details:**  
HENHAM ROAD, ELSENHAM,  
CM22 6DN

**Client Ref:** 61207  
**Report Ref:** GS-7631332\_Landline\_2\_1  
**Grid Ref:** 554157, 226106

**Map Name:** LandLine  
**Map date:** 2003  
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**Printed at:** 1:1,250

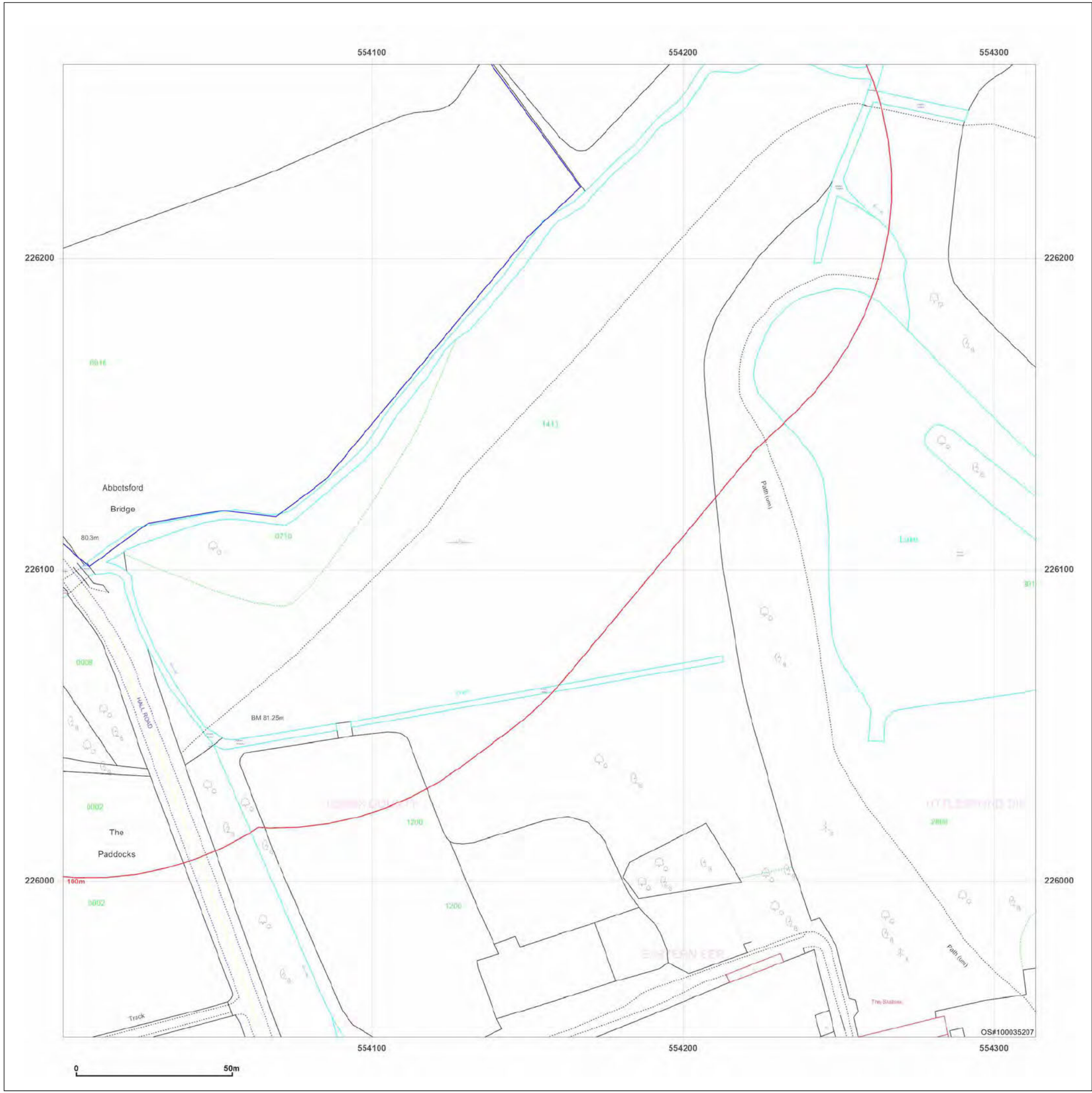


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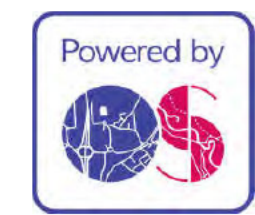
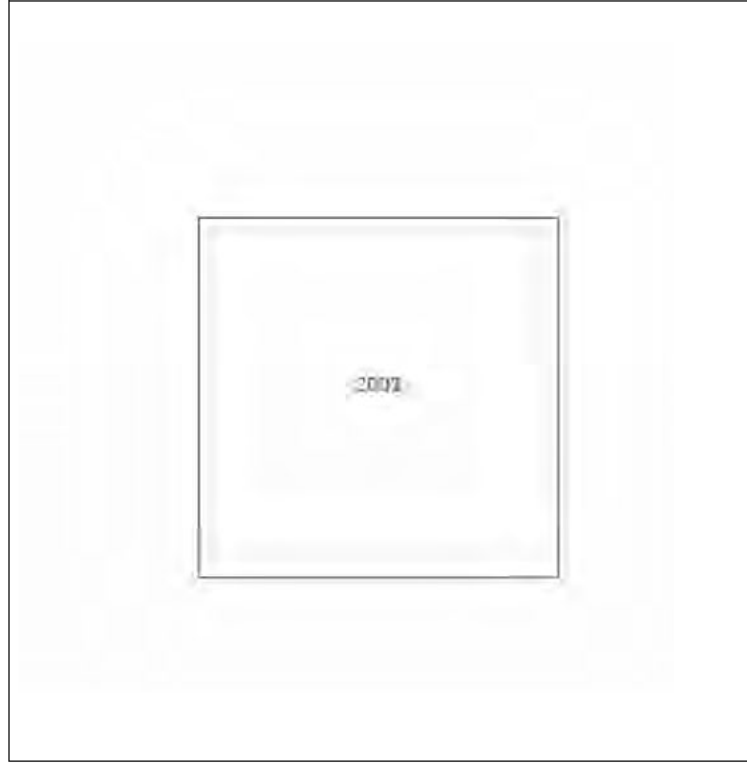
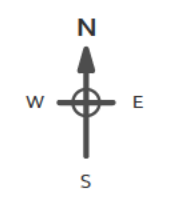
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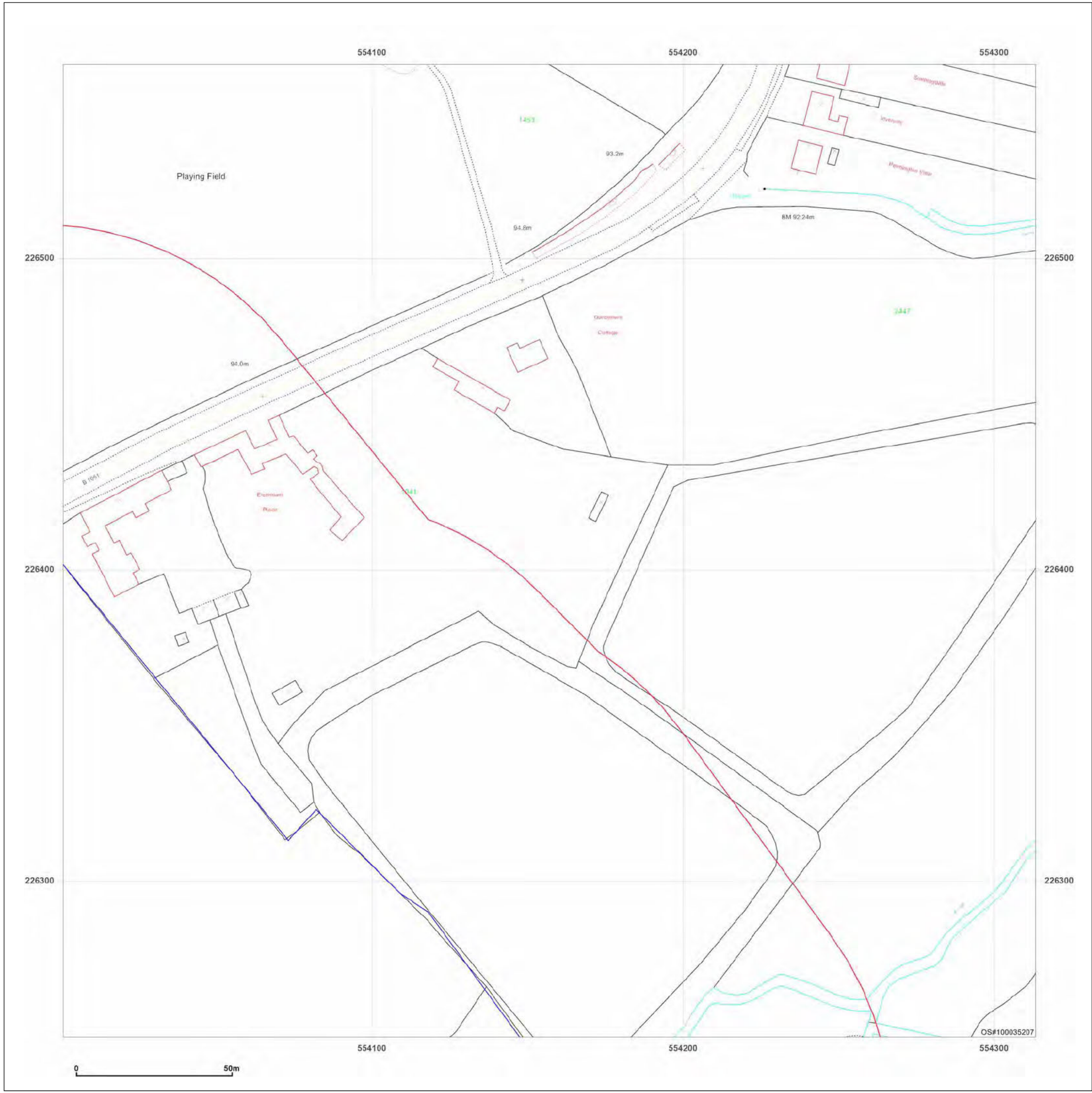


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 **Bristol**  
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