SPRINGWELL LANE, WHETSTONE

PHASE I GEO-ENVIRONMENTAL ASSESSMENT FOR MYPAD 2020 LTD

Project Ref:
EAL.106.23

Date:
August 2023

Prepared for:
MyPad 2020 Ltd
The Quadrant
Nuart Road
Beeston
Nottingham
NG9 2NH

Prepared and Authorised by:		Phil Devitt BSc MSc MRICS *Director*
Date:	August 2023	
Version:	1.0	

Executive Summary

This presents the salient points of the report and should not be referred to in isolation. The conclusions and recommendations presented below are considered reasonable based on the findings of the Phase I Geo-Environmental Assessment. However, these cannot be guaranteed to gain regulatory approval and therefore copies of this report should be sent to the appropriate Regulatory Authorities and / or other organisations (as appropriate) by the Client for their comments and approval prior to undertaking any irrecoverable works associated with the subject site.

SUMMARY TABLE: PHASE I GEO-ENVIRONMENTAL ASSESSMENT	
SITE:	Springwell Lane, Whetstone
CLIENT:	MyPad 2020 Ltd.
DATE:	August 2023
REFERENCE	EAL.106.23
DEVELOPMENT PROPOSAL:	Residential dwellings with private gardens and driveway access.
HUMAN HEALTH:	Low to moderate risk – screening of shallow soils is advised to assess the risk to end users.
CONTROLLED WATERS:	Low risk – this should be reassessed following the results of the shallow soil analysis recommended above.
GROUND GAS RISK:	Low to moderate risk – Phase II investigation is recommended to determine risk to future end users and construction workers.
RADON GAS:	Radon protection measures will not be required.
COMMENTS:	Further works - Phase II investigation is recommended.

The executive summary given above is an overview of the key findings and conclusions of the report. There may be other information contained in the body of the report which puts into context the findings of the executive summary. No reliance should be placed on the executive summary until the whole report has been read in full.

CONTENTS

APPENDICES

1.0 INTRODUCTION

1.1 PREAMBLE

This Phase I Geo-Environmental Assessment has been produced for MyPad 2020 Ltd. (hereafter referred to as 'the client') to provide a pre-development contamination and geotechnical assessment of the site known as *Springwell Lane, Whetstone.* Site location and boundary plans are included in **Appendix A**.

1.2 PROJECT BRIEF

The brief for the Phase I Geo-Environmental Assessment incorporates:

- A review and assessment of the site history, with reference to potentially contaminative uses.
- A review of regulatory authority and environmental data relating to the site and its environs.
- An appraisal of potential environmental risks.
- Development of a Phase 1 Conceptual Model.

1.3 DATA REFERENCES

- Environmental Search Data (Supplied by Groundsure).
- Historical Ordnance Survey (OS) Mapping (Supplied by Emapsite Ltd).
- British Geological Survey Online Geological Mapping.
- BSI (2015), BS 5930:2015 Code of practice for ground investigations.
- PHE-BGS (2011), Joint Indicative Atlas of Radon in Great Britain.
- EA (2020), LCRM: How to assess and manage the risks from land contamination.

1.4 LIMITATIONS

This report has been produced in accordance with industry best practice at the time of writing.

In the production of this report, Erda Associates Ltd. (hereafter referred to as Erda), has relied upon information provided by third parties. Erda cannot accept responsibility for the reliability and authenticity of this information. Erda will not be responsible for any opinions which it has expressed, or conclusions which it has drawn, in reliance upon information which is subsequently proven to be inaccurate.

This report has been prepared for the sole use of the client and shall not be relied upon or transferred to third parties without the express written consent of Erda. Unauthorised third parties rely upon the information contained within this report at their own risk.

1.5 PROPOSED DEVELOPMENT

It is understood that the site will be redeveloped with residential dwellings with associated private gardens, soft landscaping and driveway access. A proposed development plan is not available at the time of writing this report.

2.0 PHASE I DESK STUDY AND SITE OBSERVATIONS

2.1 GEOGRAPHICAL SETTING

The site is located approximately 1.60km to the south of Whetstone village centre and is situated within a semi-industrial and semi-residential area. The site is roughly centred at national grid reference SP 5567 9619. Site location and boundary plans are presented in **Appendix A**.

2.2 SITE DESCRIPTION

The site comprises a rectangular shaped parcel of land that extends over 0.50ha. The site is accessed via private driveway off Springwell Lane which is situated adjacent the eastern boundary. The majority of the site comprises an existing bungalow dwelling with associated private garage and garden. The western part of the site comprises a smallholding and number of small barns.

The site boundaries were generally noted to comprise a mixture of semi-mature/mature hedgerows, brick walling and concrete post and timber panel fencing. Semi-mature/mature trees were noted in the throughout the private garden area.

The immediate surrounding land uses were noted to comprise residential dwellings to the north, east and south along with industrial units to the west.

Significant Features identified during site inspection:
Partial agricultural use – potential low risk of made ground and contamination from historic activity. Trees/hedgerows – potential implication for foundation design if cohesive deposits are present.

2.3 HISTORICAL REVIEW: SITE DEVELOPMENT

Ordnance Survey maps have been reviewed for the years 1886 - 2023. The OS maps are contained in **Appendix B**, for reference.

The summary below identifies the historical features identified on the historical mapping data considered likely to have the potential to affect the site.

Date	Identified On-site Hazard	Identified Off-site Hazard
1886	The site straddles two agricultural fields. A footpath dissects the sites eastern portion.	A brick yard and its associated extraction is located approximately 20m to the north-west. Old clay pits are also recorded approximately 50m to the south. The remaining surrounding land use comprises agricultural fields.
1904	No significant changes to the site identified.	No significant changes to the surrounding area identified.
1930	No significant changes to the site identified.	The brick yard is no longer labelled. However, its associated buildings and former extraction is still identified.
1957	No significant changes to the site identified.	The site of the brickworks and its associated extraction has now been redeveloped with a number of unidentified buildings. The old clay pits situated 50m to the south are no longer recorded. A nursery is recorded 80m to the north-west.

1968	Elms Farm is now recorded centrally within the site. A number of small unidentified buildings are located in the northern and western portions of the site.	A number of small unidentified buildings extend off site to the south. A depot is recorded immediately adjacent the western boundary. An agricultural implements depot is located 98m to the north-west. A garage is also recorded some 125m to the north-west.
1974	Further small unidentified buildings are recorded in the southern part of the site.	A number of unidentified works are recorded adjacent the western and north-western boundary. The depot has extended significantly and is now recorded as a storage depot. Tanks associated with the agricultural implements depot are recorded approximately 100m to the north-west. A scrap metal yard is recorded some 175m to the north-west.
1986	No significant changes to the site identified.	Further unidentified industrial buildings are recorded approximately 100m to the south-west.
1988	The majority of the small unidentified buildings in the northern and southern portions of the site are no longer recorded.	Residential dwellings are now recorded approximately 10m to the east of the site on the opposite side of Springwell Lane.
1994	No significant changes to the site identified.	Residential dwellings are recorded immediately to the north and approximately 30m to the south.
2003	No significant changes to the site identified.	No significant changes to the surrounding area have been identified.
2010	No significant changes to the site identified.	No significant changes to the surrounding area have been identified.
2023	No significant changes to the site identified.	Residential dwellings are now recorded immediately adjacent the southern boundary.

Significant Features identified on OS Maps:	
On-site hazard	-Former agricultural use – potential low risk of contamination and made ground (e.g., heavy metals, PAHs, TPH, asbestos and ground gas).
Off-site Hazard	-Historic brick yard and old clay pits – potential low to moderate risk of ground gas if infilled. -Historic nearby industrial uses (depots and works)– low risk of contamination (e.g. heavy metals, PAHs, TPH). -Tanks, garage and scrap yard – very low risk of contamination due to distance.

2.4 ANTICIPATED GEOLOGY

The BGS geological 1:50,000 scale data (Sheet 170 – Market Harborough) for this area illustrates;

- Made ground is recorded to be present on site.
- Superficial glaciofluvial deposits (comprising sand and gravel) are recorded beneath the made ground.
- A solid geology of the Mercia Mudstone Group comprising mudstone is recorded to beneath the superficial deposits.
- No faults are recorded to be present either in close proximity or on the site.

Significant Features identified from geological data:
Made Ground – potential low to moderate risk of ground gas and contamination. Potential implication for foundation design also. Glaciofluvial deposits – potential implication for foundation design if shallow groundwater present.

2.5 HYDROGEOLOGY & HYDROLOGY

2.5.1 Hydrogeology

The superficial glaciofluvial deposits have been classified by the Environment Agency as a Secondary A Aquifer. These are permeable layers capable of supporting water supplies at a local, rather than strategic, scale and in some cases form an important source of base flow to rivers.

The Mercia Mudstone Group has been classified by the Environment Agency as a Secondary B Aquifer. These are predominantly lower permeability layers which may store limited amounts of groundwater.

There are no current licensed groundwater abstraction licences within 2,000m of the site.

The site is not located within a groundwater Source Protection Zone (SPZ).

Significant Features identified from hydrogeological data:
Secondary A Aquifer (glaciofluvial deposits) – potential receptor.

2.5.2 Hydrology

An unnamed inland river is recorded 125m to the north. Whetstone brook is recorded 175m to the north-east..

Environment Agency data suggests that the site does not lie within a Zone 2 or 3 fluvial flood zone.

There are no licensed surface water abstraction licenses recorded within 2,000m of the site.

Significant Features identified from hydrological data:
Unnamed inland river and Whetstone Brook – potential receptors (low risk due to distance).

2.6 MINING

2.6.1 Coal

The site is not recorded to be within a Coal Authority designated 'Development high Risk Area'. Therefore, a coal mining risk assessment will not be required.

2.6.2 Non-Coal Extraction

Historical clay extraction associated with a former brickworks has been identified in close proximity to the north-west and south of the site. It is possible that extraction may have encroached on to the site boundary itself. Further ground investigation of the site will be required to discount the risk of deep made ground associated with former clay extraction on site.

No other significant non-coal extraction is recorded on site or in close proximity.

Significant Mining Risks:
Moderate risk of former clay extraction extending onto site – this will need to be confirmed following the findings of an initial ground investigation.

2.7 POTENTIALLY CONTAMINATIVE LAND USES

Environmental search data supplied by Groundsure (**Appendix C**) states that:

- There are no active landfill sites recorded within 250m of the site.
- There are two historical landfill sites located 158m to the south-west and 159m to the north-west. These were recorded to have accepted inert and inert/commercial wastes, respectively.
- There no significant waste exemption activities recorded within 250m of the site.
- There are numerous records relating potentially contaminative historical land uses within 250m of the site. The majority of these relate to the former brick works and associated ground workings along with the subsequent industrial estate to the west.
- There are numerous records relating to current potentially contaminative land uses identified within 250m of the site. These include industrial works, engineering works, container storage depots, tanks, vehicle repair and servicing and petrol stations.
- There are two licensed pollutant release records within 250m of the site. These relate to a waste oil burner located 34m to the north-west and unloading of petrol into storage at service stations 151m to the north-west.
- There is one licensed discharge consent to controlled waters located 249m to the north. This relates to trade discharges of process effluent but is recorded to have been surrendered.
- There are no hazardous substance or IPC consents located within 200m of the site.
- There are no significant recorded pollution incidents in close proximity to the site.
- There are no historical petrol stations recorded within 500m of the site.
- There is one current petrol stations recorded 159m to the north-west of the site.

Significant Features identified from Environmental Data:
Potentially contaminative historic and current land uses – potential risk of ground gas and low to moderate risk of contamination.

2.8 RADON GAS ASSESSMENT

The site has been assessed in accordance with the guidelines in “Radon: guidance on protective measures for new buildings” (BR 211 - BRE, 2015).

The site is not within a Radon Affected Area as less than 1% of properties are above the action level. Therefore, radon protective measures will not be required.

Radon Gas Hazard:
No significant risk identified.

3.0 PHASE I CONCEPTUAL MODEL

3.1 SOURCE-PATHWAY-RECEPTOR

The conceptual model for the site considers the redevelopment proposal for residential dwellings with associated private gardens, soft landscaping and driveway access along with the preceding information.

The historic use of the site has comprised an agricultural farm and associated buildings. In addition potentially contaminative historic and current surrounding land uses such as the brickworks, industrial estate and landfills have also been identified as potential sources of contamination. These uses are considered to pose a low to moderate risk of contamination.

Due to the proposed change in use of the site, it is recommended that sampling of the shallow soils is undertaken as a precaution. The shallow soils should be analysed for; heavy metals and speciated polycyclic aromatic hydrocarbons (PAHs). Additional asbestos screening and TPH analysis is also advised.

Ground gas associated with the recorded made ground on site, potentially backfilled clay pits and recorded historical landfills may also be anticipated. The risk of ground gas is considered to be low to moderate at this stage. It is recommended that a programme of gas monitoring is undertaken at the site to confirm the risk level.

Potential pathways for the end user of the site would include direct contact (dermal) with potentially contaminated soil dust; ingestion and inhalation of potentially contaminated soil dust and fibres; ingestion of vegetables which have taken up the contamination and inhalation of ground gas and vapours.

The primary receptors for the site are construction workers and end users of the site (residents).

For the controlled waters environment, the primary receptor is the underlying Secondary A aquifer (glaciofluvial deposits). The inland rivers located 125m and 175m to the north/north-east are not considered to be potential receptors due to distance. The risk of contamination originating from the subject site affecting any of these is considered to be low to moderate. However, this will need to be confirmed following initial testing of the shallow soils as recommended above.

The development of the conceptual model is illustrated on Figure 3.1.

Figure 3.1: Conceptual Site Model

HUMAN HEALTH			
Source	**Pathway**	**Receptor**	**Level of Risk/Recommended Action**
Low to moderate risk of contamination from former agricultural use. Additional risk of contamination migrating onto site from adjacent historic land uses (e.g. brick works).	Indoor and outdoor inhalation of soil dust and fibres, the ingestion of, and dermal contact with, contaminated soil and soil dust, ingestion of vegetables that have taken up contamination and contaminated soil attached to vegetables.	End users.	Low to moderate risk – chemical screening of shallow soils is advised due to proposed change in use of the site.
		Construction workers.	
Made ground recorded to be present on site. Potentially infilled clay pits and recorded historic landfills.	Potential inhalation of ground gas (carbon dioxide and methane).	End users.	Low to moderate risk – gas monitoring will be required.
		Construction workers	Very low risk – to be confirmed by gas monitoring.
Low to moderate risk of contamination from former agricultural use. Additional risk of contamination migrating onto site from adjacent historic land uses (e.g. brick works).	Water pipes.	End users.	Low to moderate risk – chemical screening of shallow soils is advised to confirm appropriate pipe selection

CONTROLLED WATERS			
Low to moderate risk of contamination from former agricultural use. Additional risk of contamination migrating onto site from adjacent historic land uses (e.g. brick works).	Leaching of contaminants and vertical migration to the groundwater.	Secondary A aquifer (glaciofluvial deposits).	Low risk – Precautionary chemical screening of shallow soils will confirm this.
	Leaching of contaminants and lateral migration to surface waters.	Inland rivers 125m and 175m to the north/north-east.	Very low risk due to distance – Precautionary chemical screening of shallow soils will confirm this.

4.0 RECOMMENDATIONS

A Phase II ground investigation is recommended to determine more accurately the effect of the identified hazards on the development. Initially, this should include:

- A ground investigation designed to BS5930:2015 and comprising window sample boreholes and trial pits to confirm ground conditions and collect samples for analysis.
- Chemical analysis of soils followed by risk assessment is advised so that the risk to human health and controlled waters can be further determined. Samples should be screened for heavy metals, PAHs, asbestos and TPH.
- Geotechnical soils testing of the founding strata to assess its character and suitable grades of buried concrete and assist with foundation design.
- Installation of shallow gas monitoring wells to assess the potential risk of ground gas.

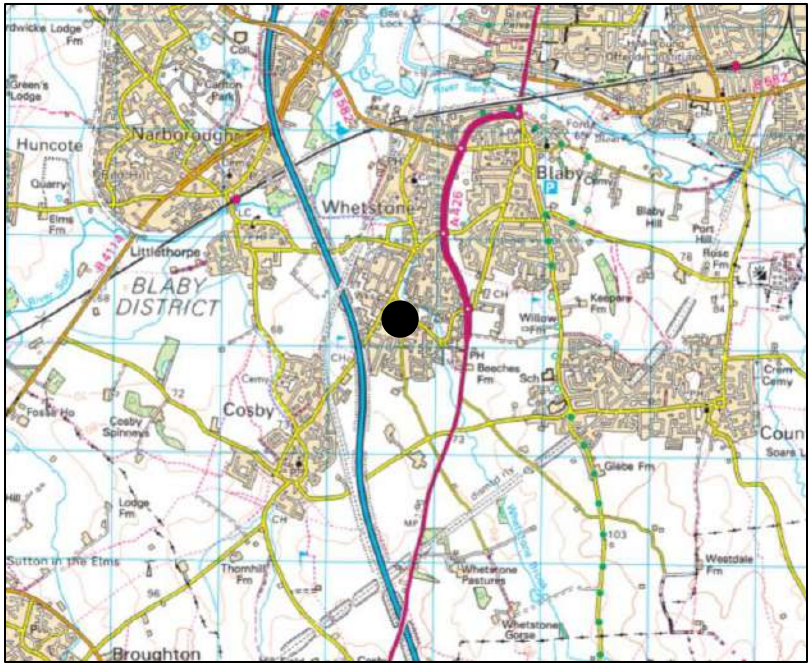
It is considered that the above recommendations with regard to a Phase II ground investigation can be secured by the imposition of an appropriate planning condition when full planning permission is granted for the subject property. The above recommendations should not supersede the granting of permission in principle or similar.

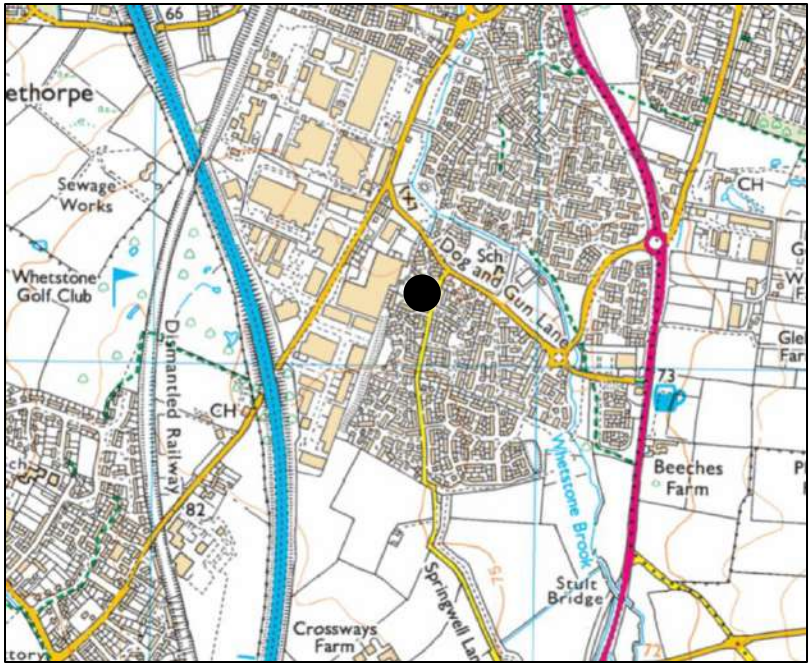
Following your review of this document, a copy of it should be submitted to the Planning Department of the Local Authority for comment and approval prior to any ground investigation works being undertaken.

5.0 CONCLUSION

This Phase I Site Appraisal has shown the site is potentially suitable for the assumed proposed development. However, a Phase II investigation will be required in order to assess and quantify the potential risks identified in this appraisal.

Appendix A





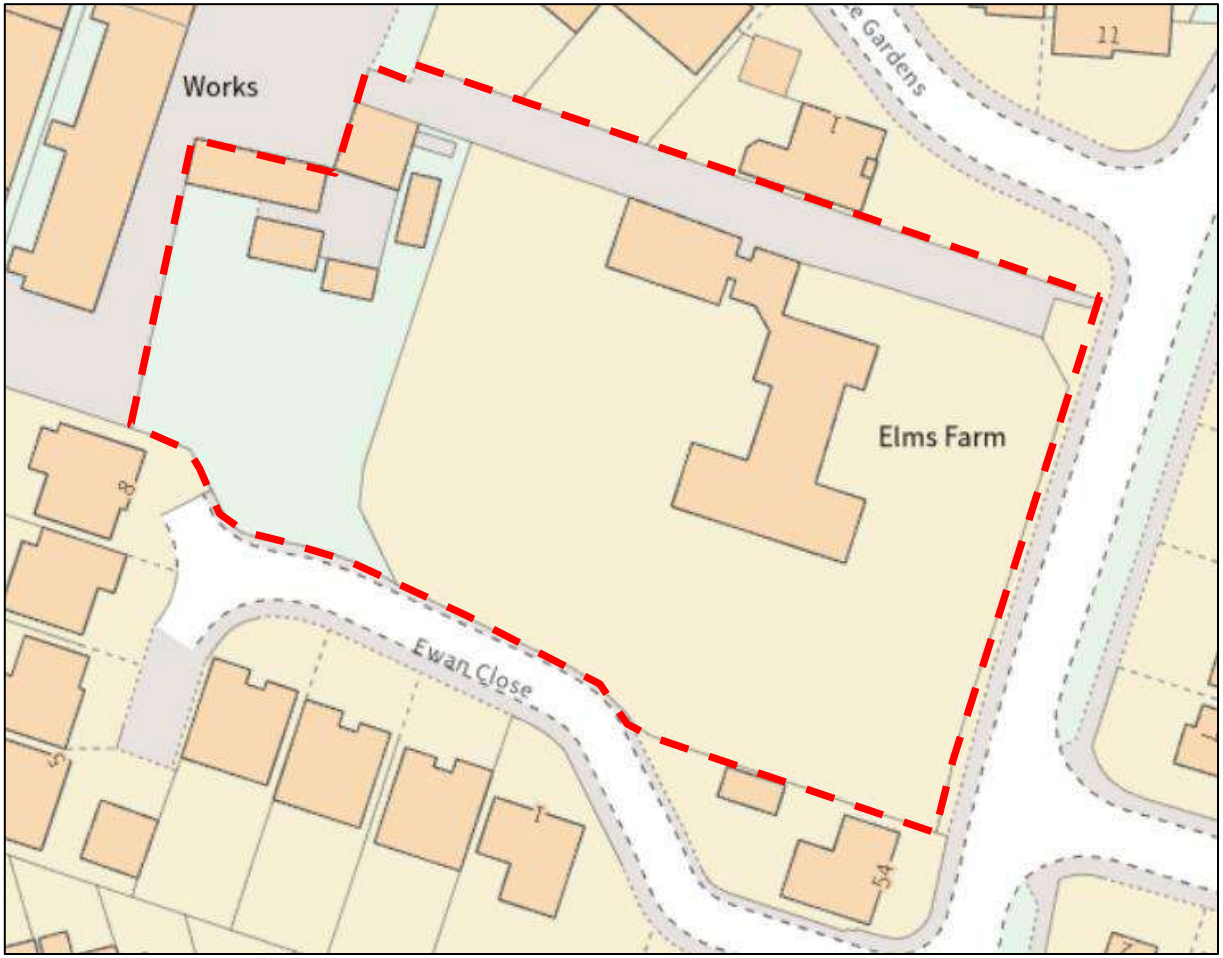
KEY:

● Approximate Site Location

DO NOT SCALE

erda Associates ltd

TITLE: Site Location Plan		
PROJECT: Springwell Lane, Whetstone		
PROJECT No: EAL.106.23	DATE: 08/2023	
SCALE : NTS	DRAWN : PD	DWG No: Figure 1



KEY:

Site Boundary

DO NOT SCALE

Verda Associates ltd

TITLE:

Site Layout

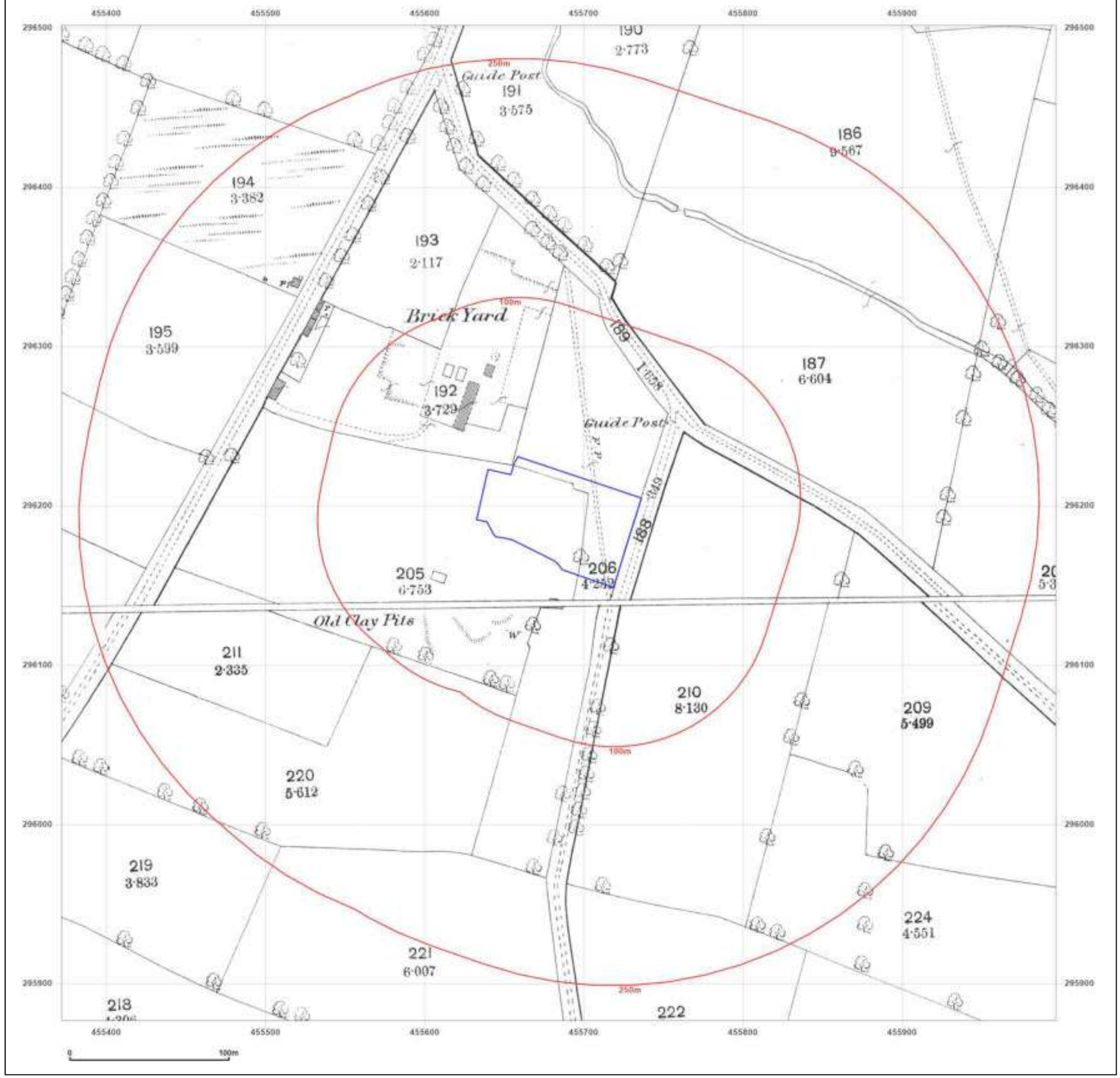
PROJECT:

Springwell Lane, Whetstone

PROJECT No:	DATE:
EAL.106.23	08/2023

SCALE :	DRAWN :	DWG No:
NTS	PD	Figure 2

Appendix B



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Springwell Lane, Whetstone,
LE8 6LT

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Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1886**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1886
Revised 1886
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1886
Revised 1886
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 15 August 2023

Map legend available at:
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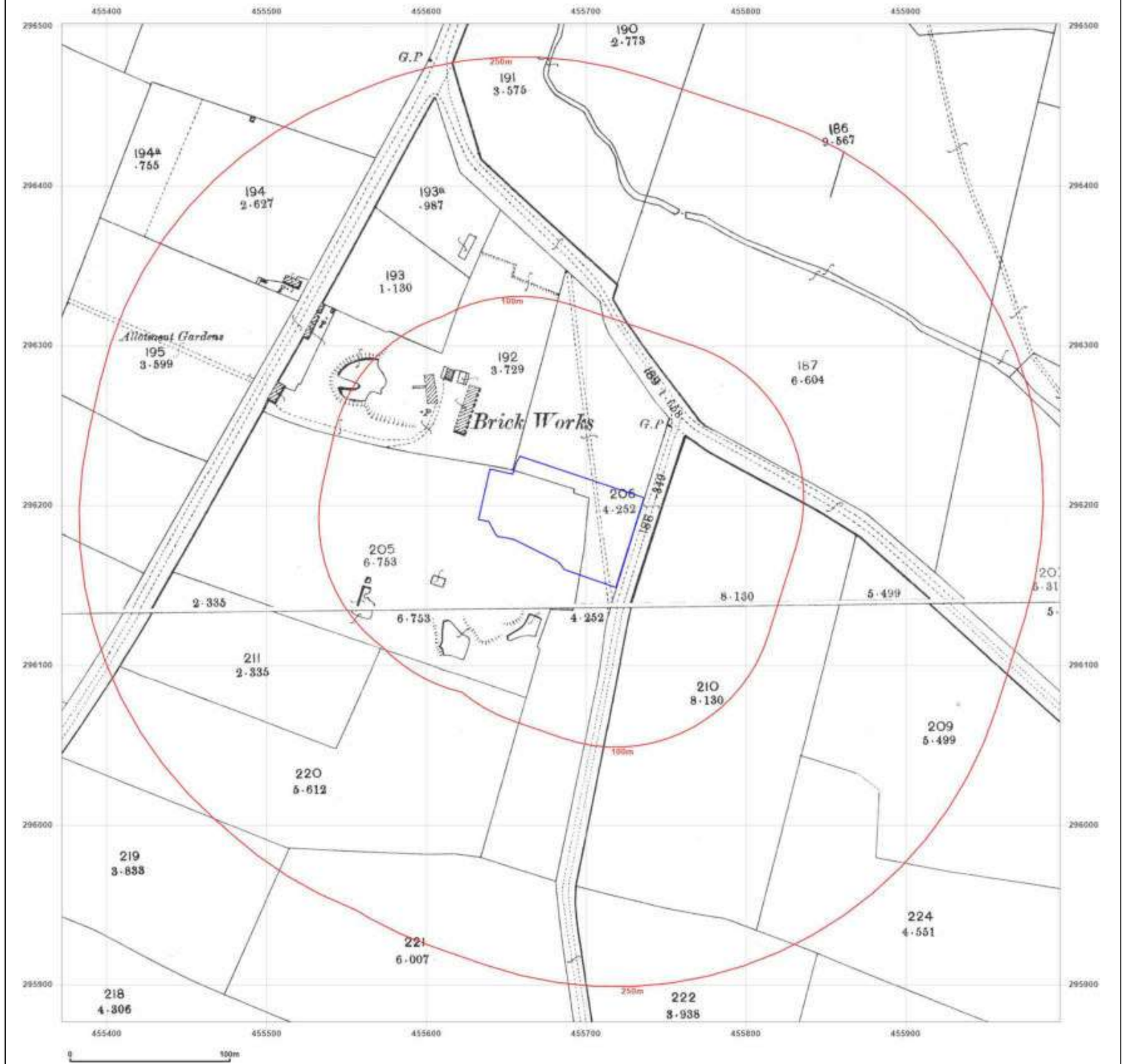

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LE8 6LT

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Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1904**

Scale: 1:2,500

Printed at: 1:2,500

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

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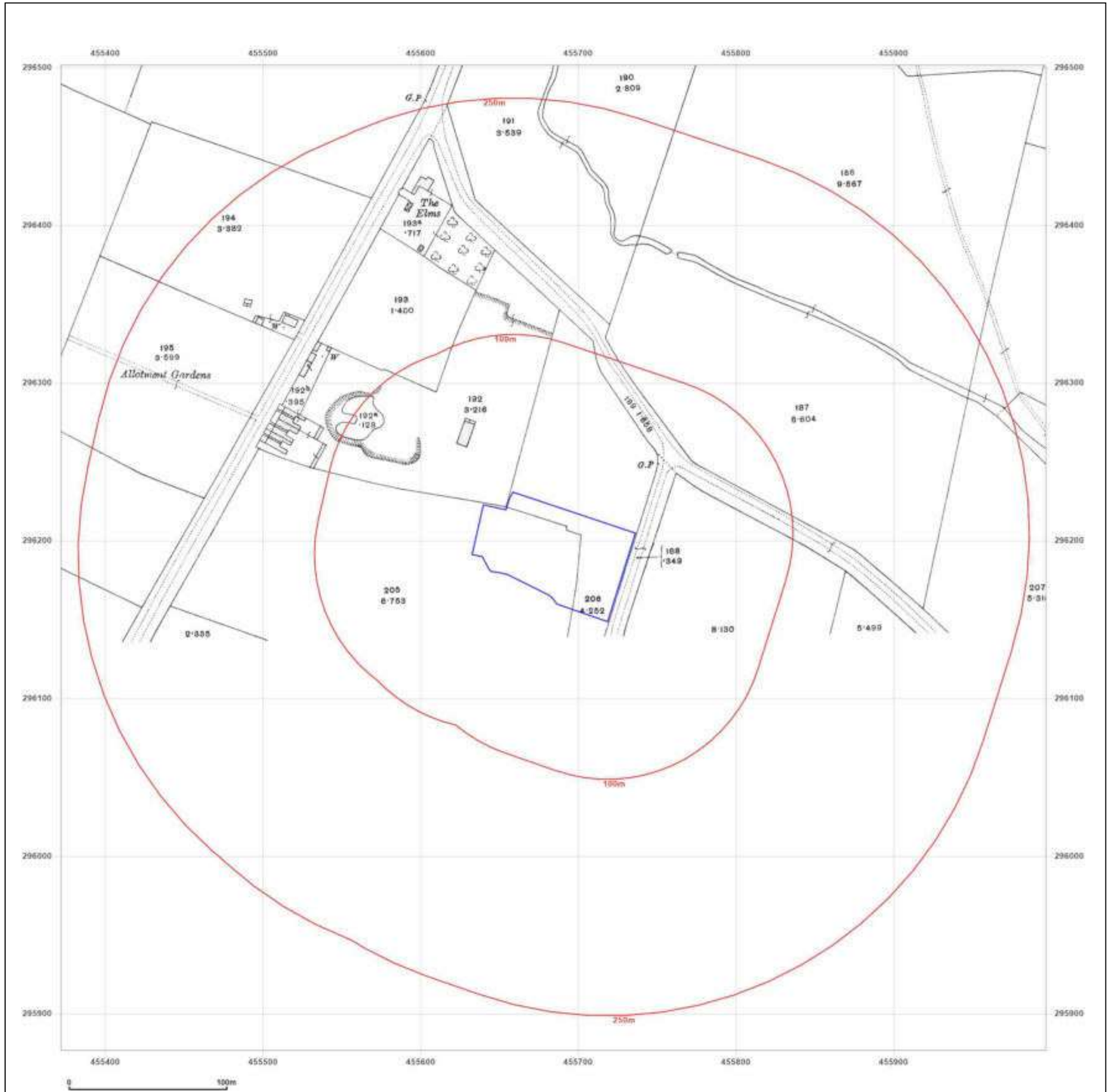

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LE8 6LT

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Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1914**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1914
Revised 1914
Edition N/A
Copyright N/A
Levelled N/A

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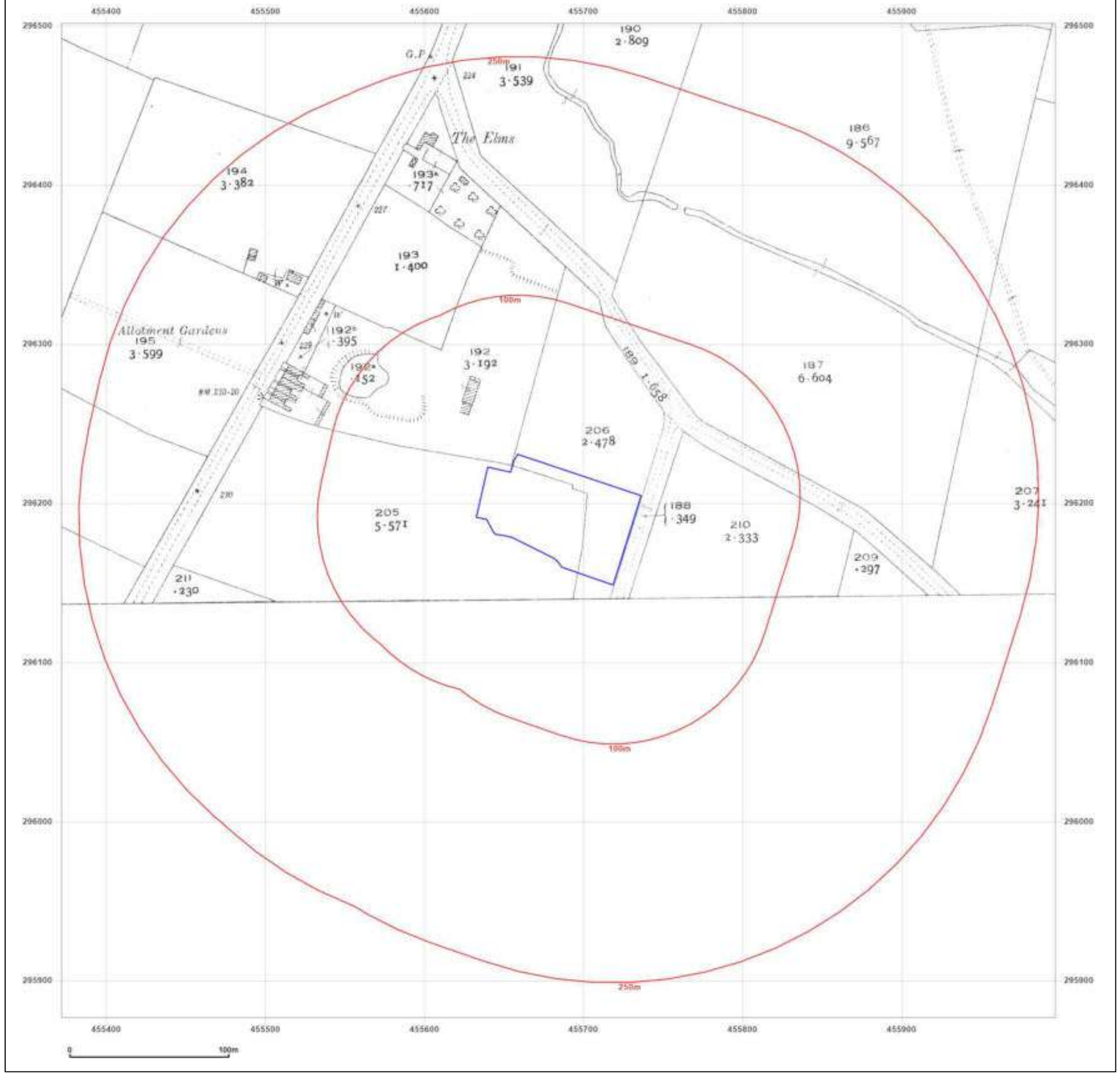

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LE8 6LT

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Report Ref: EMS-887985_1134828
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Map Name: County Series

Map date: **1930**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1930
Revised 1930
Edition N/A
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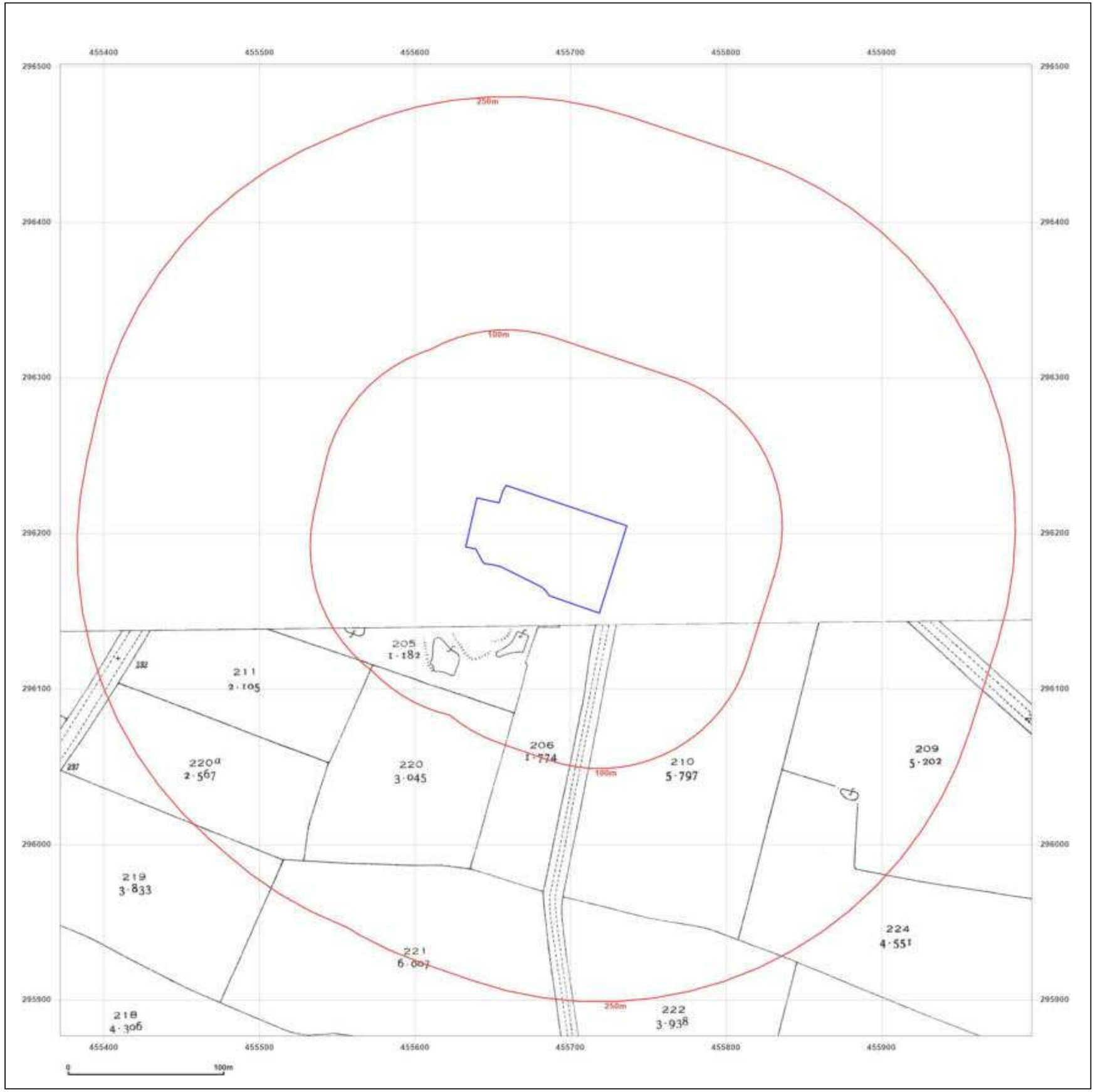

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Springwell Lane, Whetstone,
LE8 6LT

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Printed at: 1:2,500

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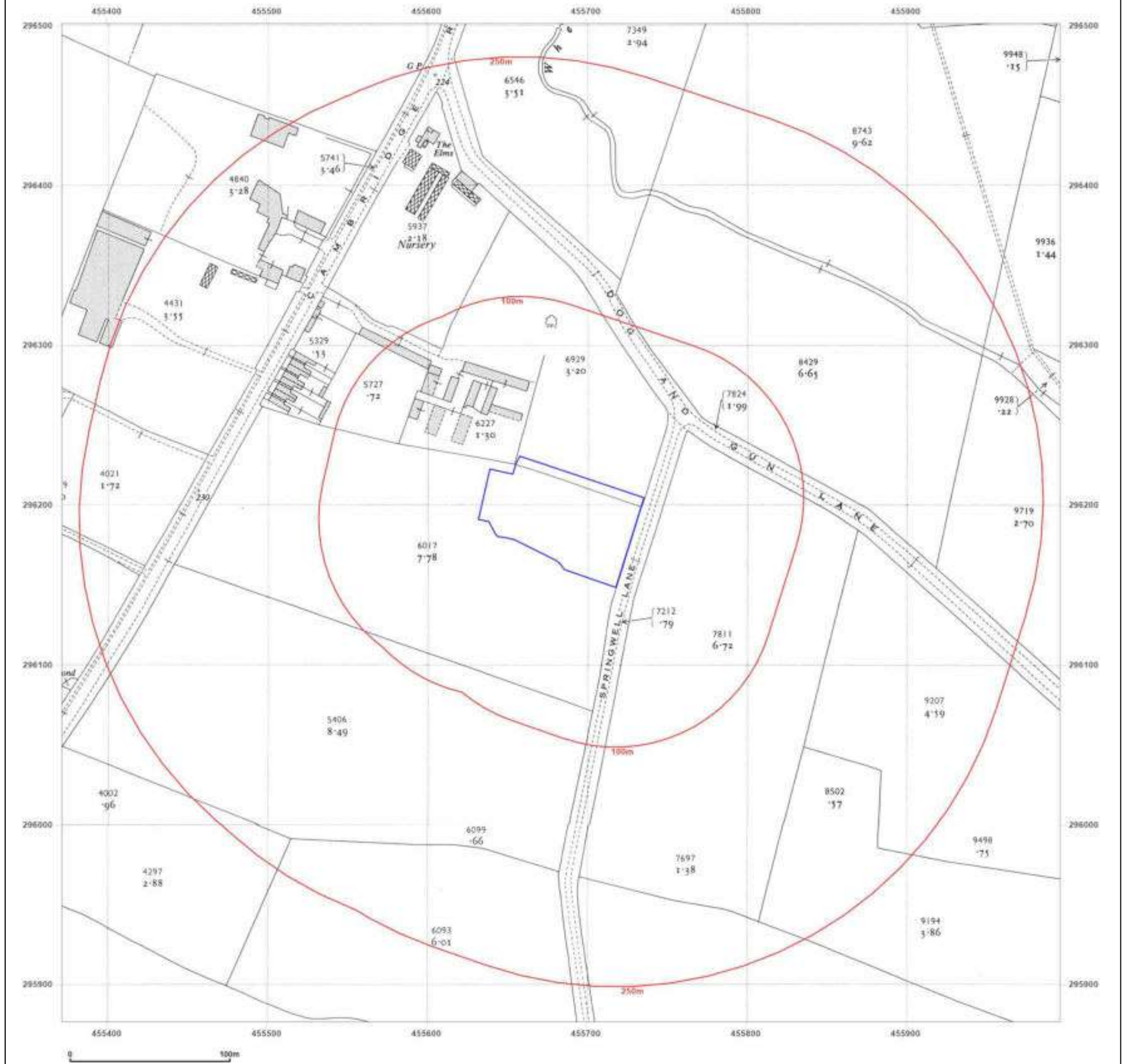

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

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Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1957**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1927

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1927

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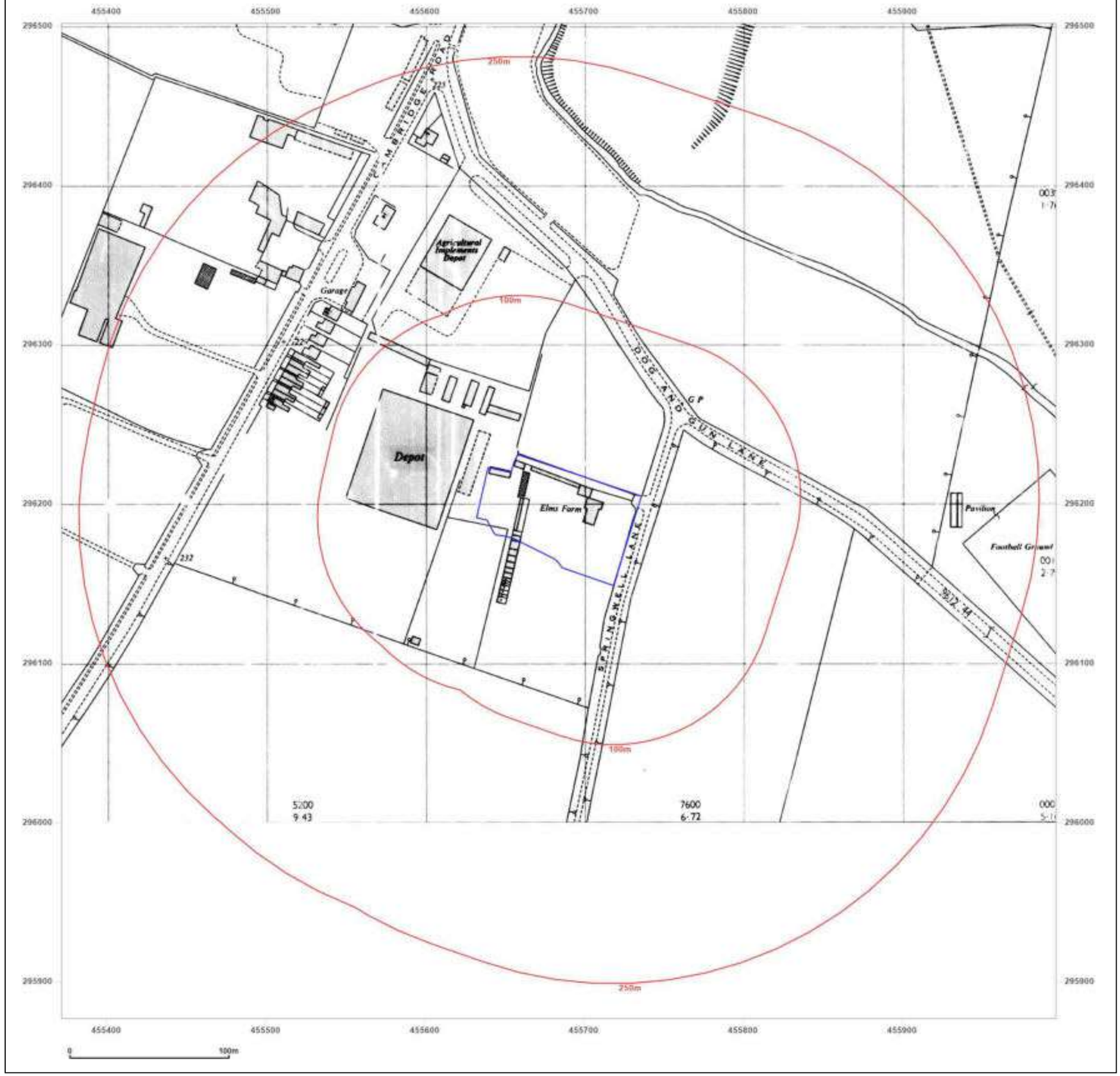

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Springwell Lane, Whetstone,
LE8 6LT

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Map Name: National Grid

Map date: **1968**

Scale: 1:2,500

Printed at: 1:2,500

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

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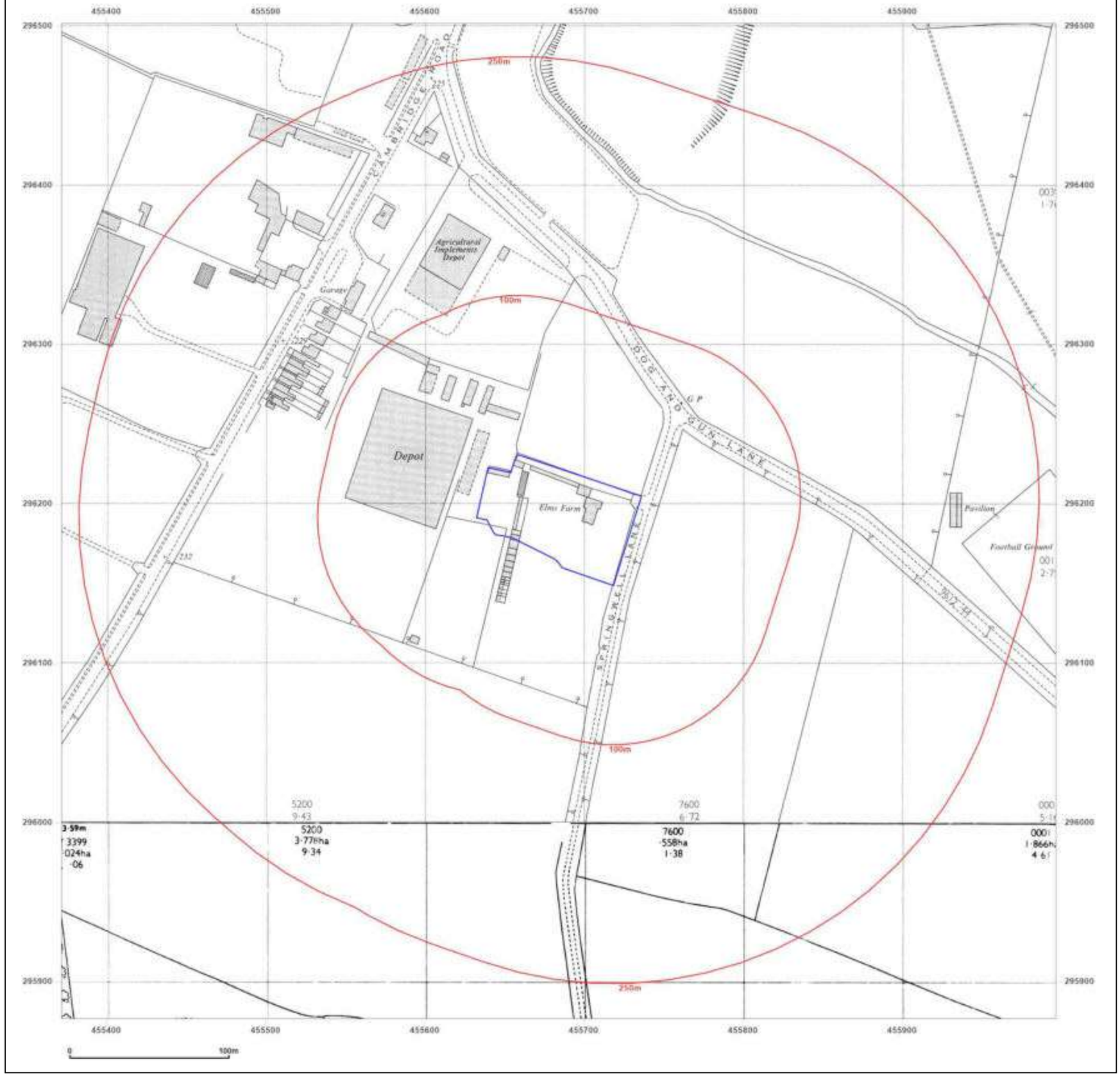

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

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Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1968-1970**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1967
Revised 1967
Edition N/A
Copyright 1968
Levelled 1964

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

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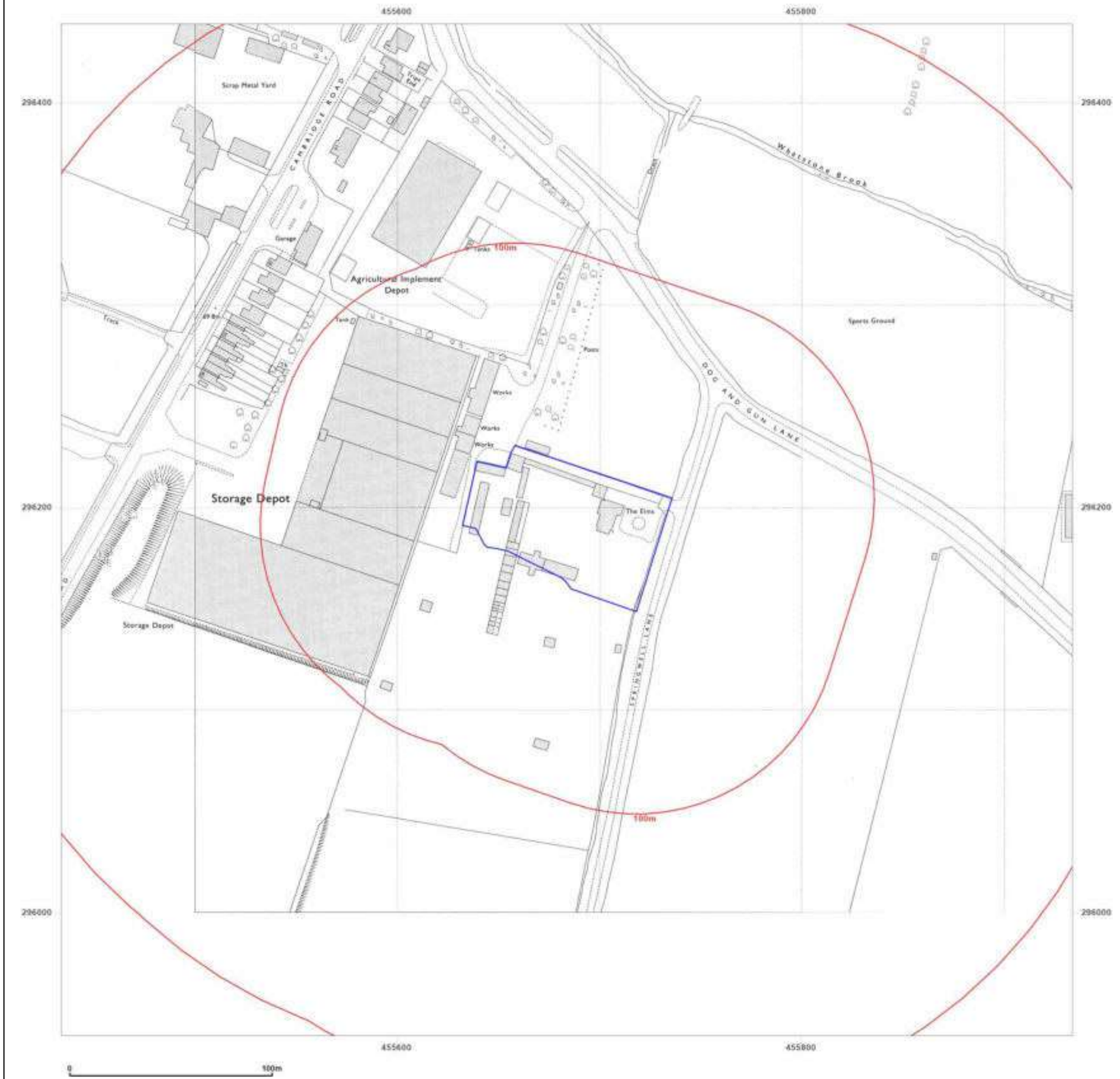

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LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1974**

Scale: 1:1,250

Printed at: 1:2,000

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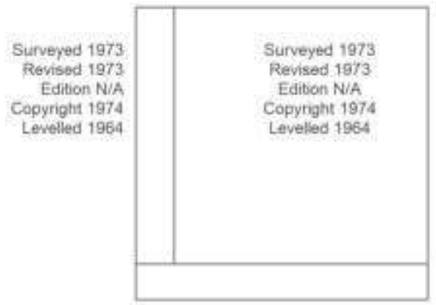

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EMAPSITE™

Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1986-1989**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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Surveyed 1978
Revised 1986
Edition N/A
Copyright 1986
Levelled 1978

Surveyed 1978
Revised 1989
Edition N/A
Copyright 1989
Levelled 1978

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1988-1992**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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Surveyed 1978
Revised 1988
Edition N/A
Copyright 1988
Levelled 1978

Surveyed 1978
Revised 1990
Edition N/A
Copyright 1990
Levelled 1978

Surveyed 1957
Revised 1970
Edition N/A
Copyright 1992
Levelled N/A

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1989-1994**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed N/A Revised N/A Edition N/A Copyright 1989 Levelled N/A	Surveyed 1978 Revised 1990 Edition N/A Copyright 1990 Levelled 1978
Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A

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Production date: 15 August 2023

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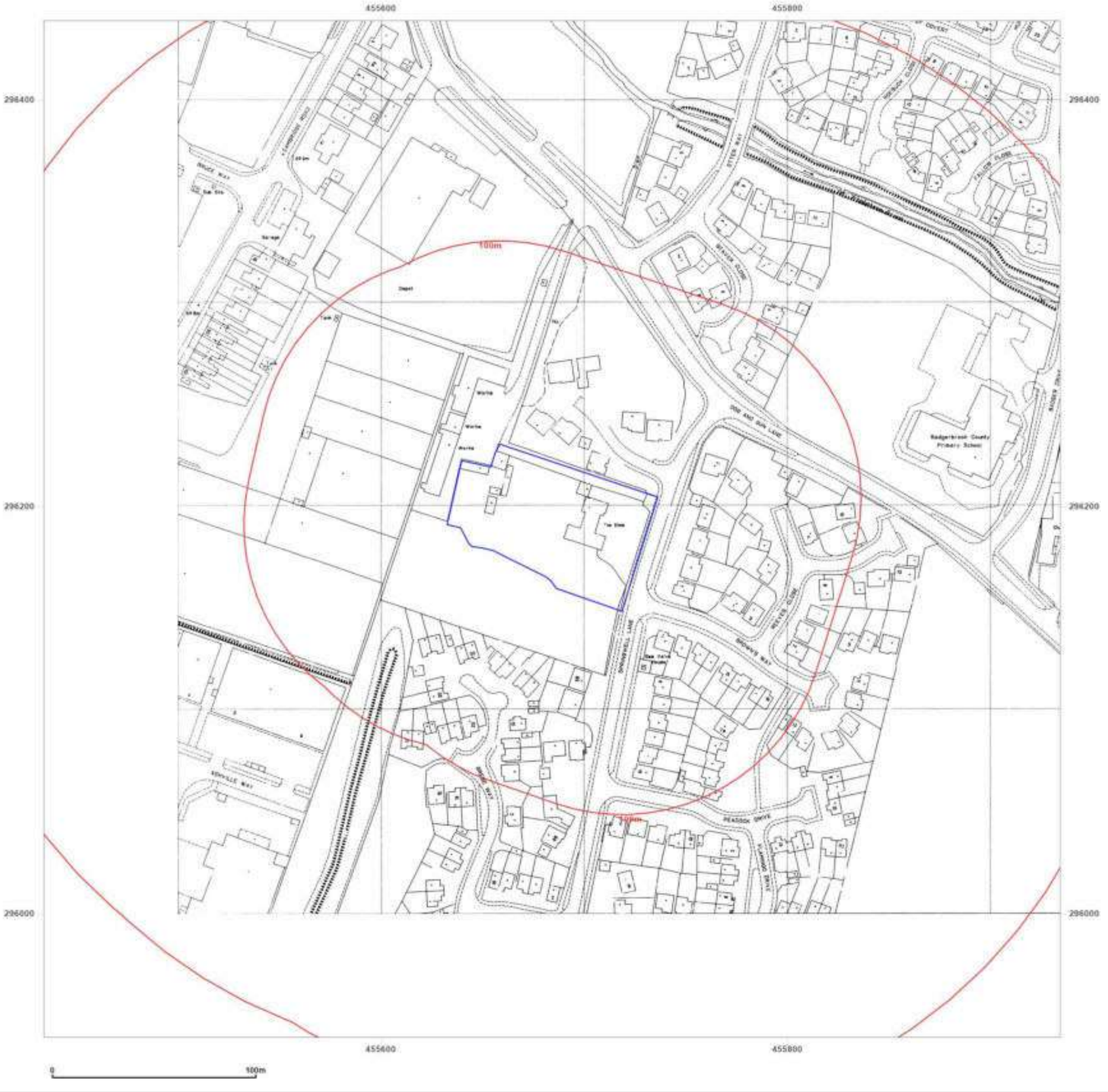

EMAPSITE™

Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1994**

Scale: 1:1,250

Printed at: 1:2,000

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

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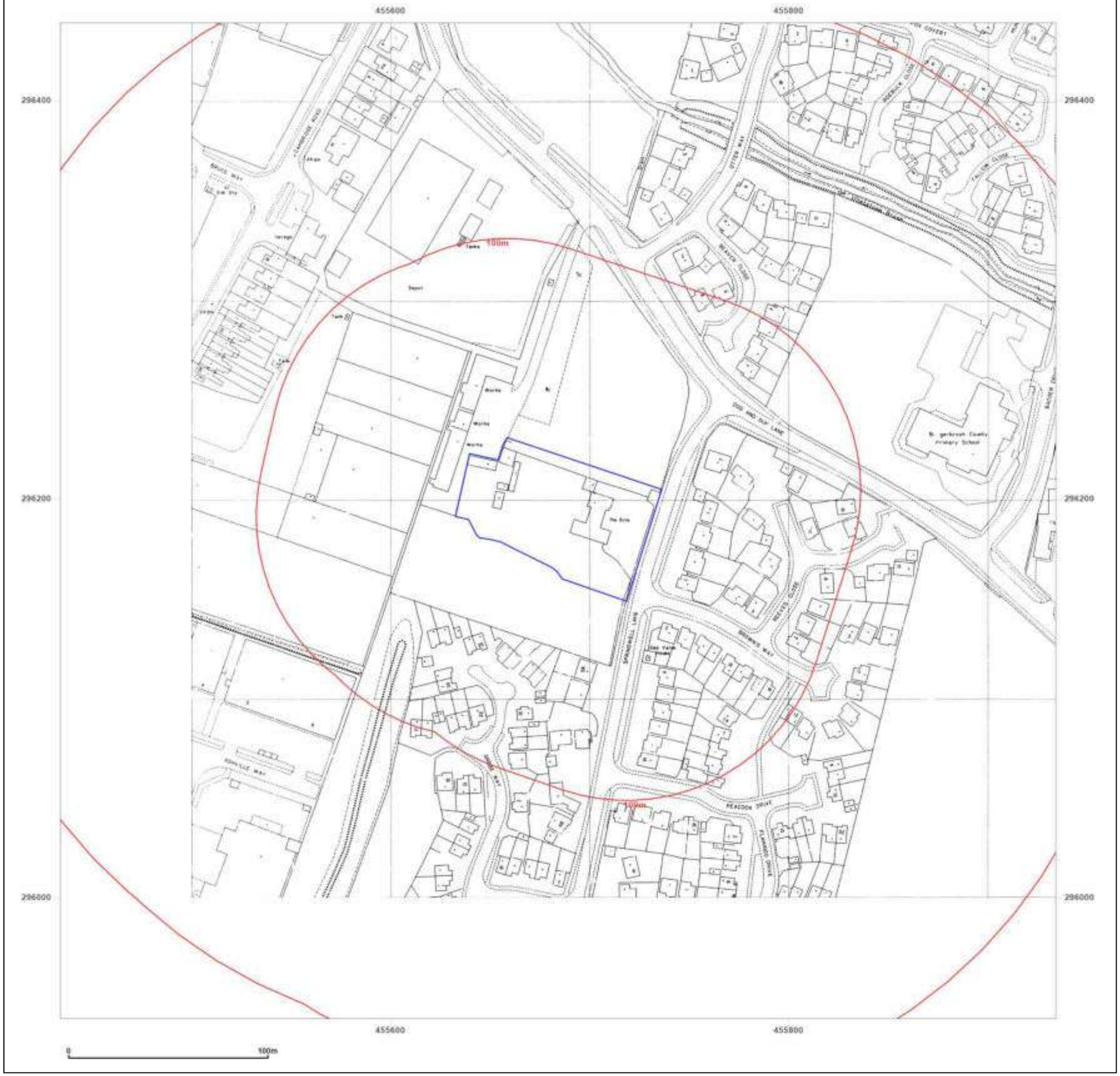

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1994**

Scale: 1:1,250

Printed at: 1:2,000

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

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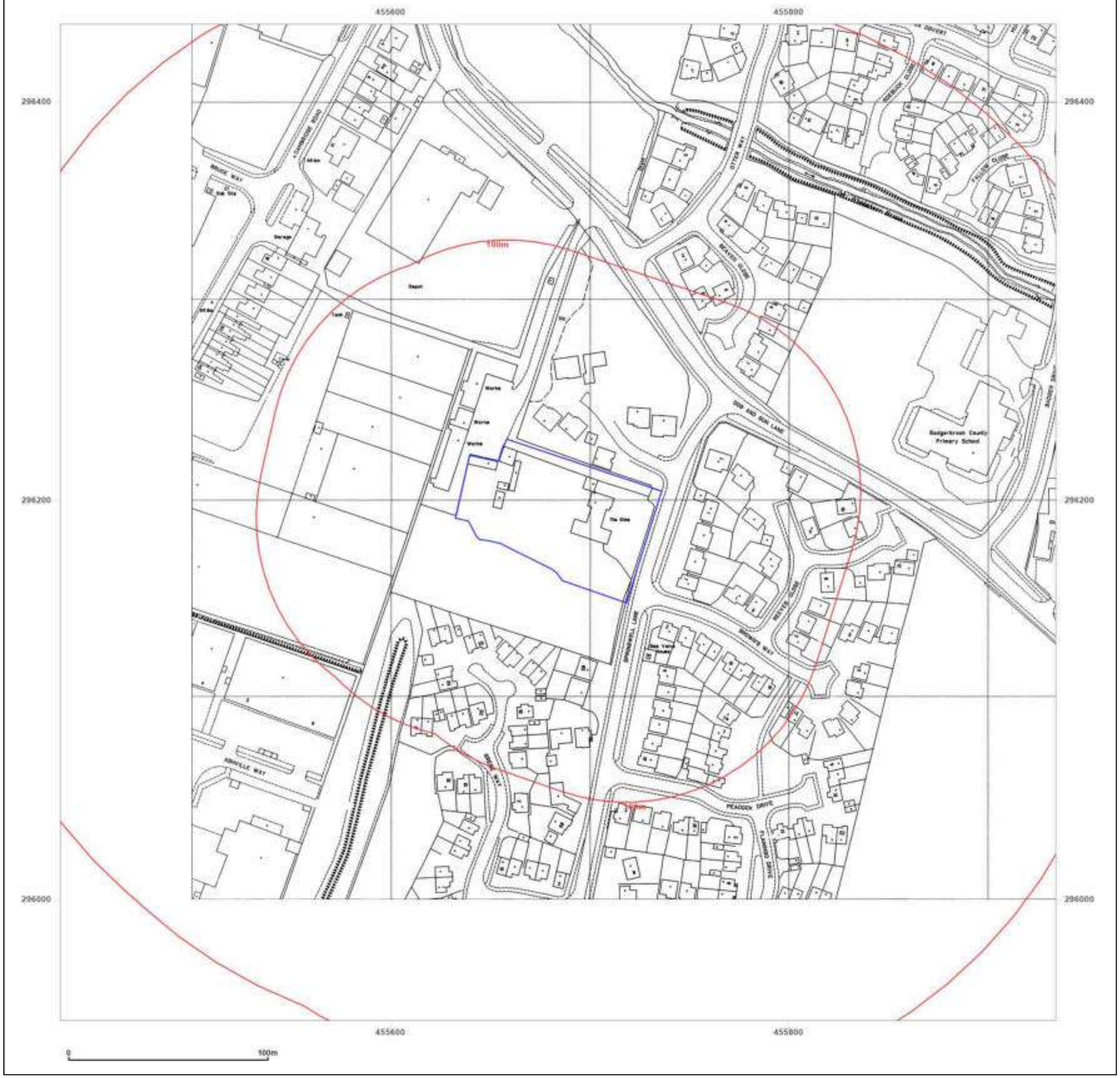

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1994**

Scale: 1:1,250

Printed at: 1:2,000

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

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1991-1995**

Scale: 1:1,250

Printed at: 1:2,000

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

Surveyed 1978
Revised 1992
Edition N/A
Copyright 1992
Levelled 1978

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1995
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Site Details:

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LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1993-1995**

Scale: 1:1,250

Printed at: 1:2,000

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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled 1978

Surveyed 1995
Revised 1995
Edition N/A
Copyright 1995
Levelled N/A

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

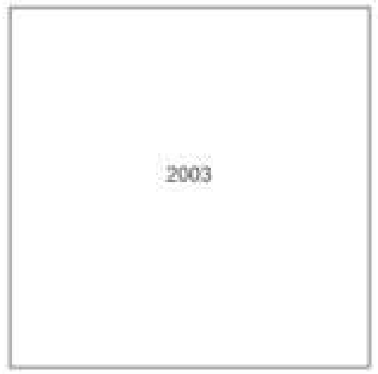
Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: LandLine

Map date: **2003**

Scale: 1:1,250

Printed at: 1:1,250



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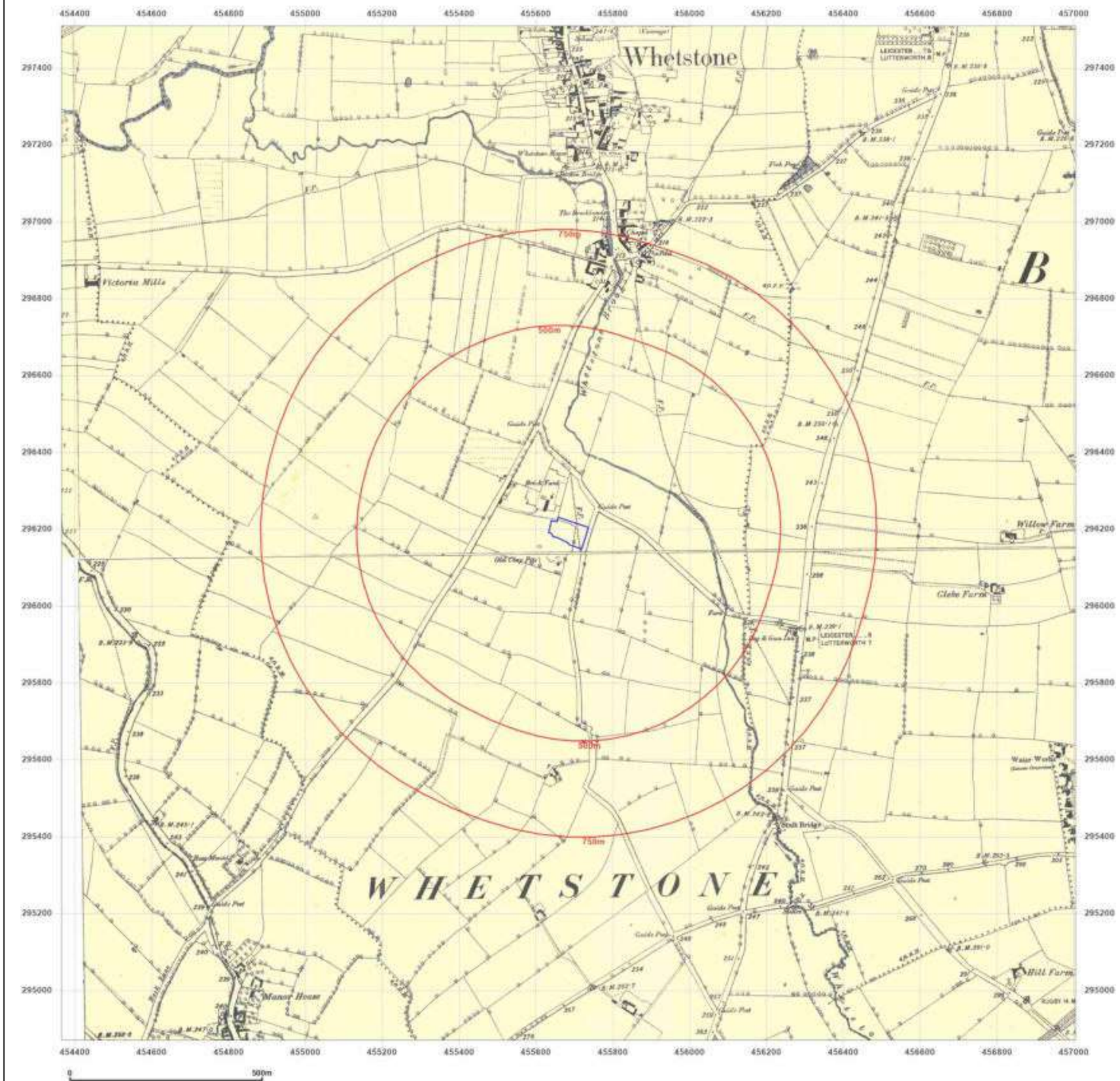

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1885-1886**

Scale: 1:10,560

Printed at: 1:10,560

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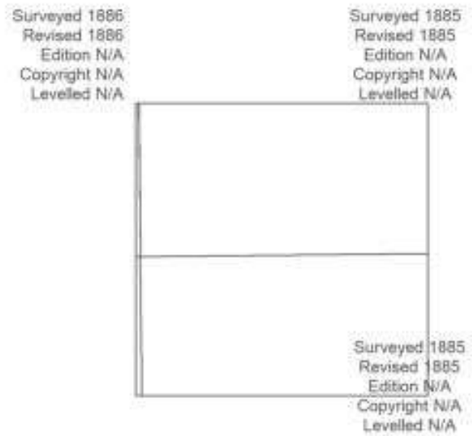

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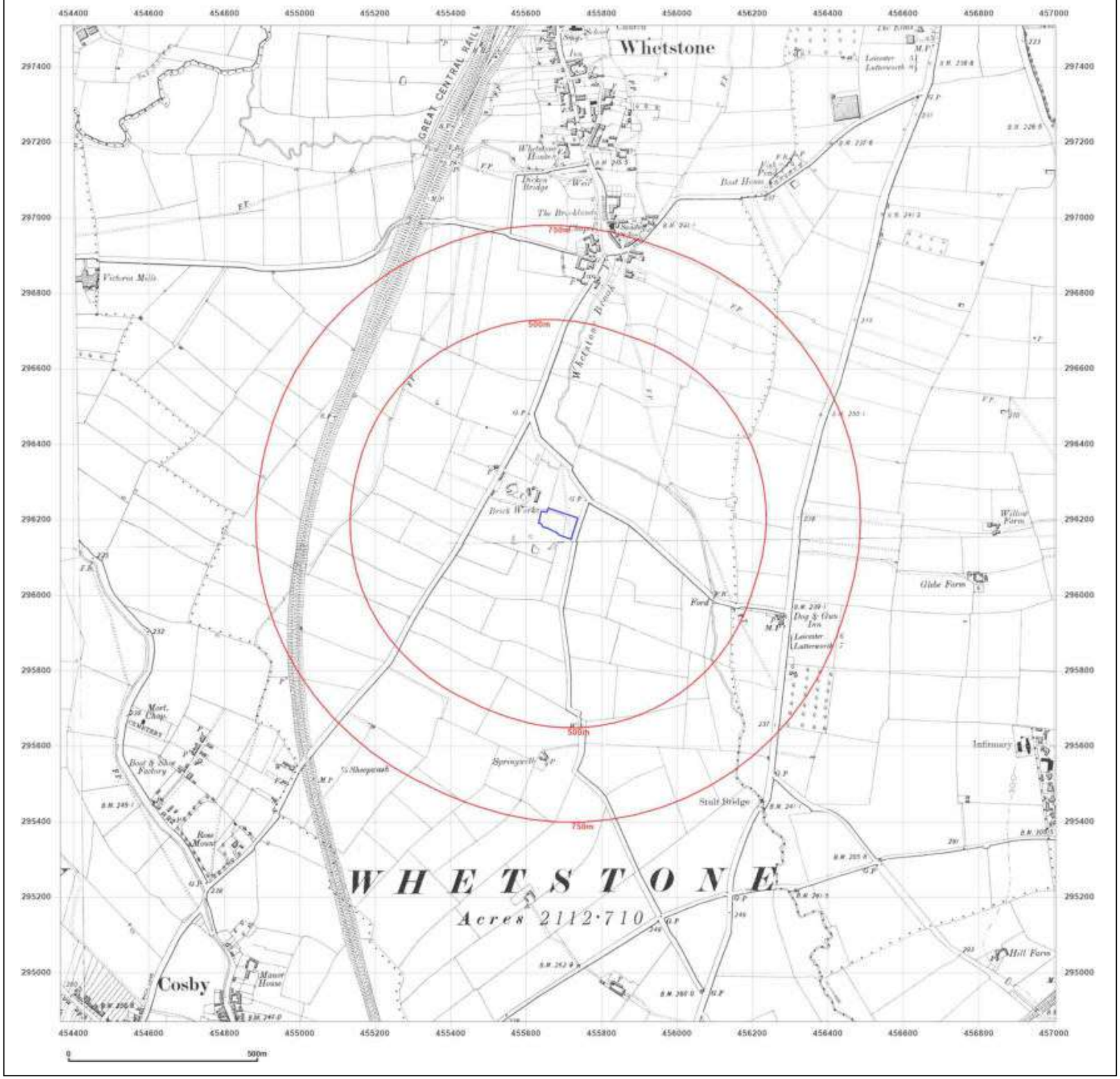

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1902-1904**

Scale: 1:10,560

Printed at: 1:10,560

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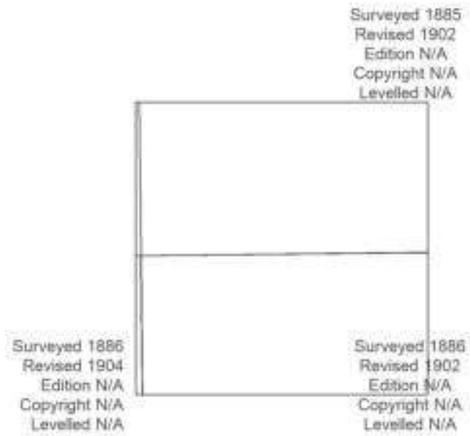

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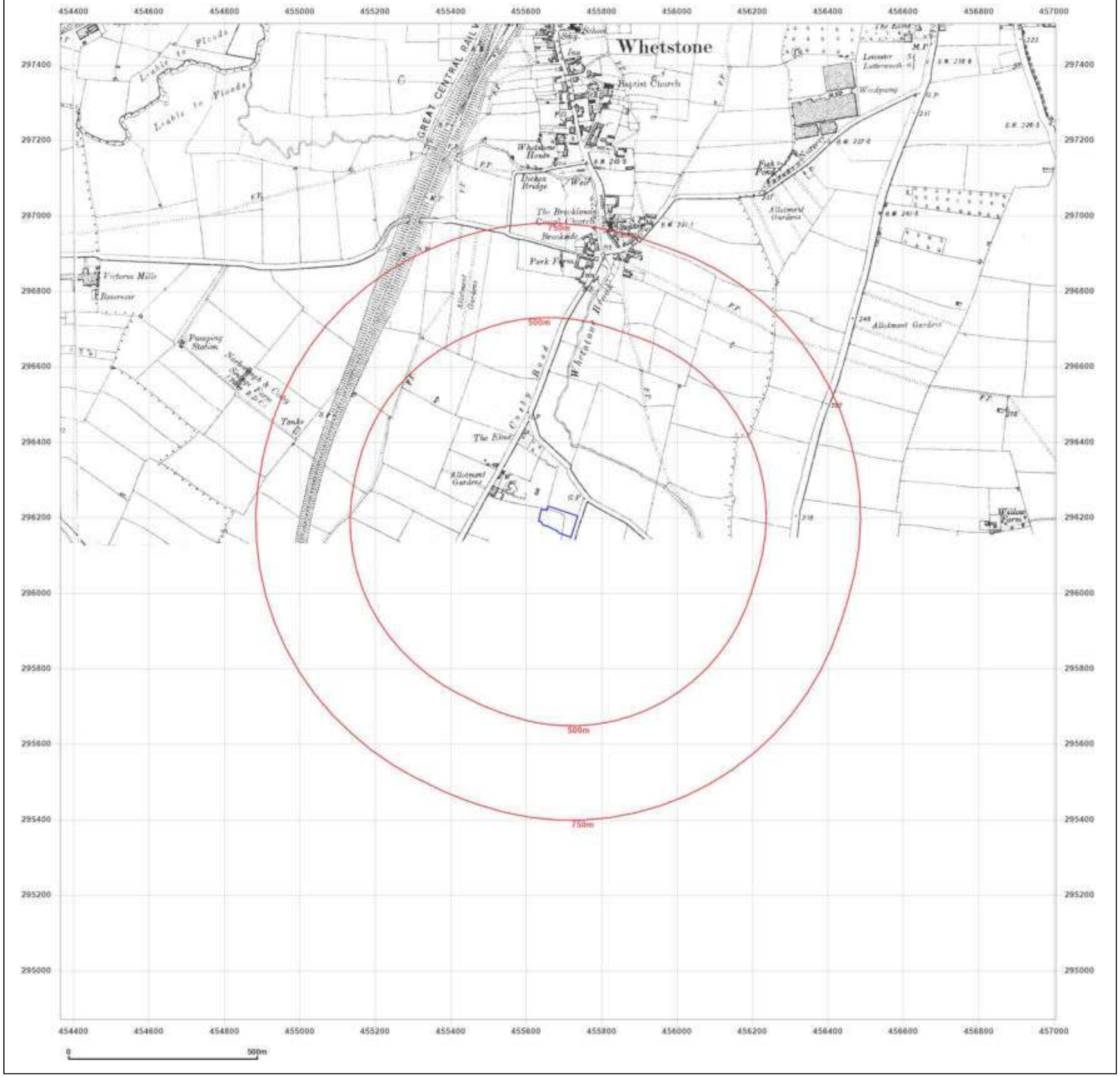

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Site Details:

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LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1914-1919**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1886
Revised 1914
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1919
Edition N/A
Copyright N/A
Levelled N/A

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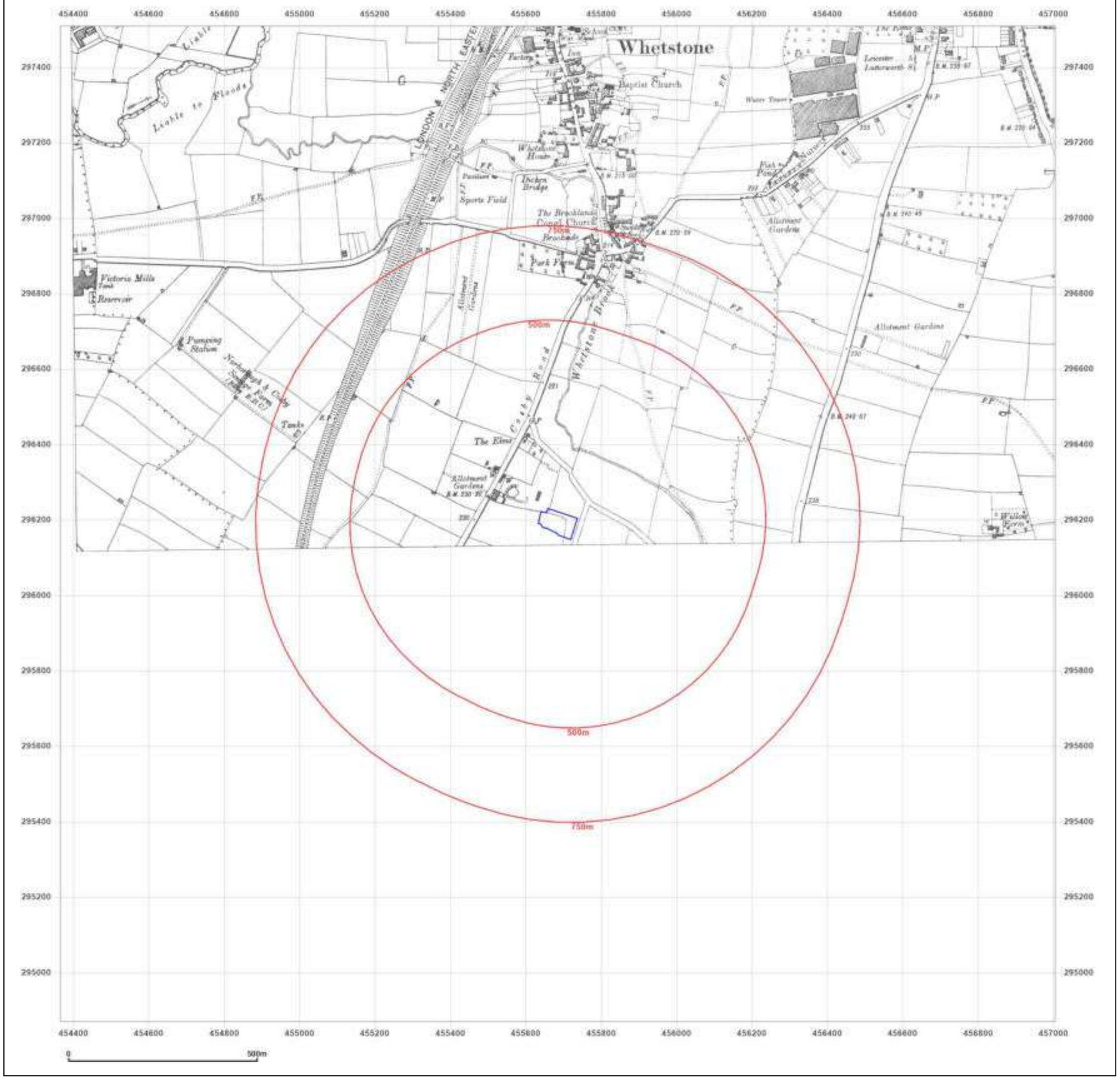

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1928**

Scale: 1:10,560

Printed at: 1:10,560

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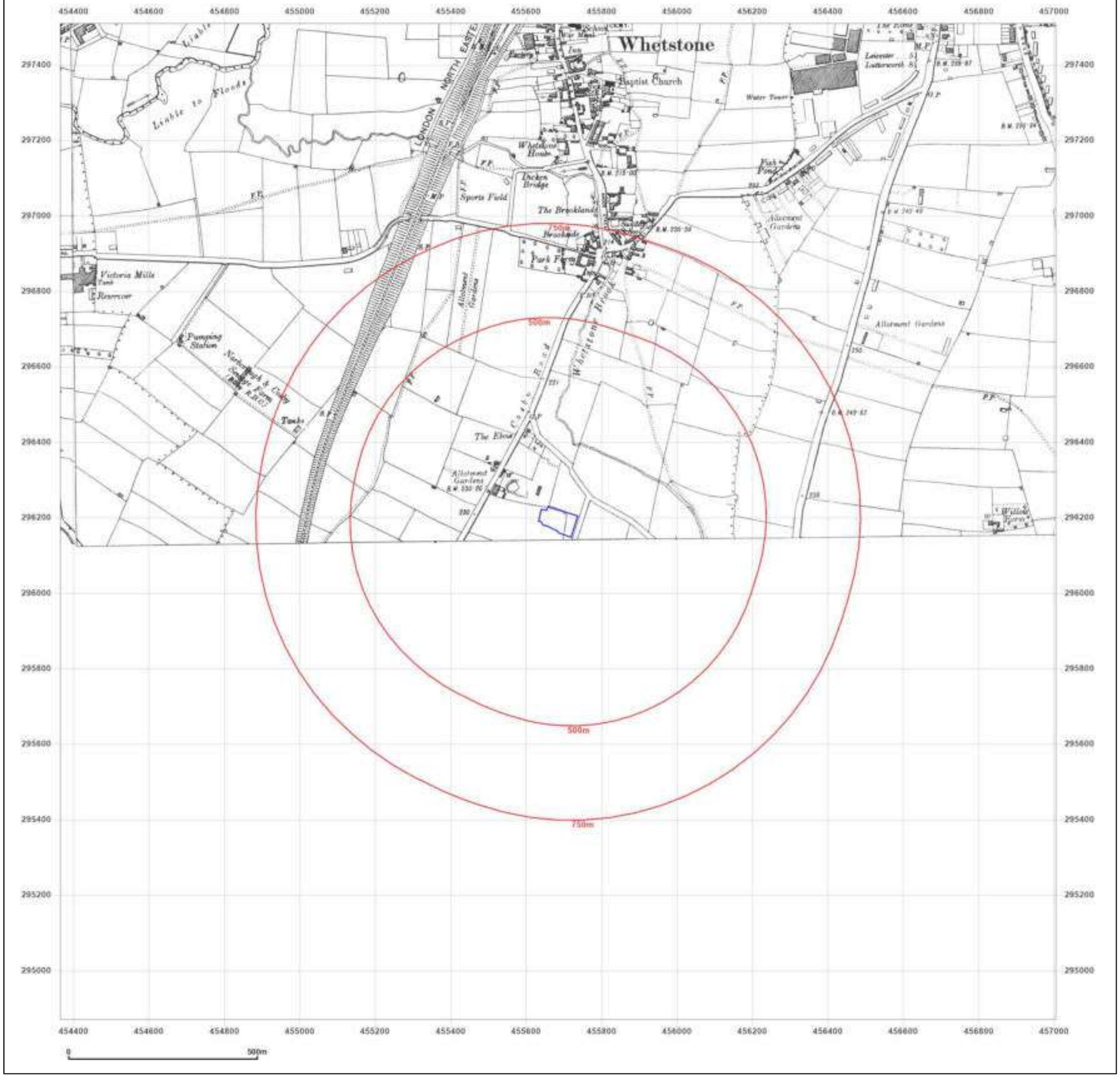

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
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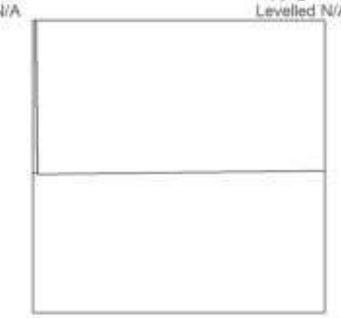
Surveyed 1886
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



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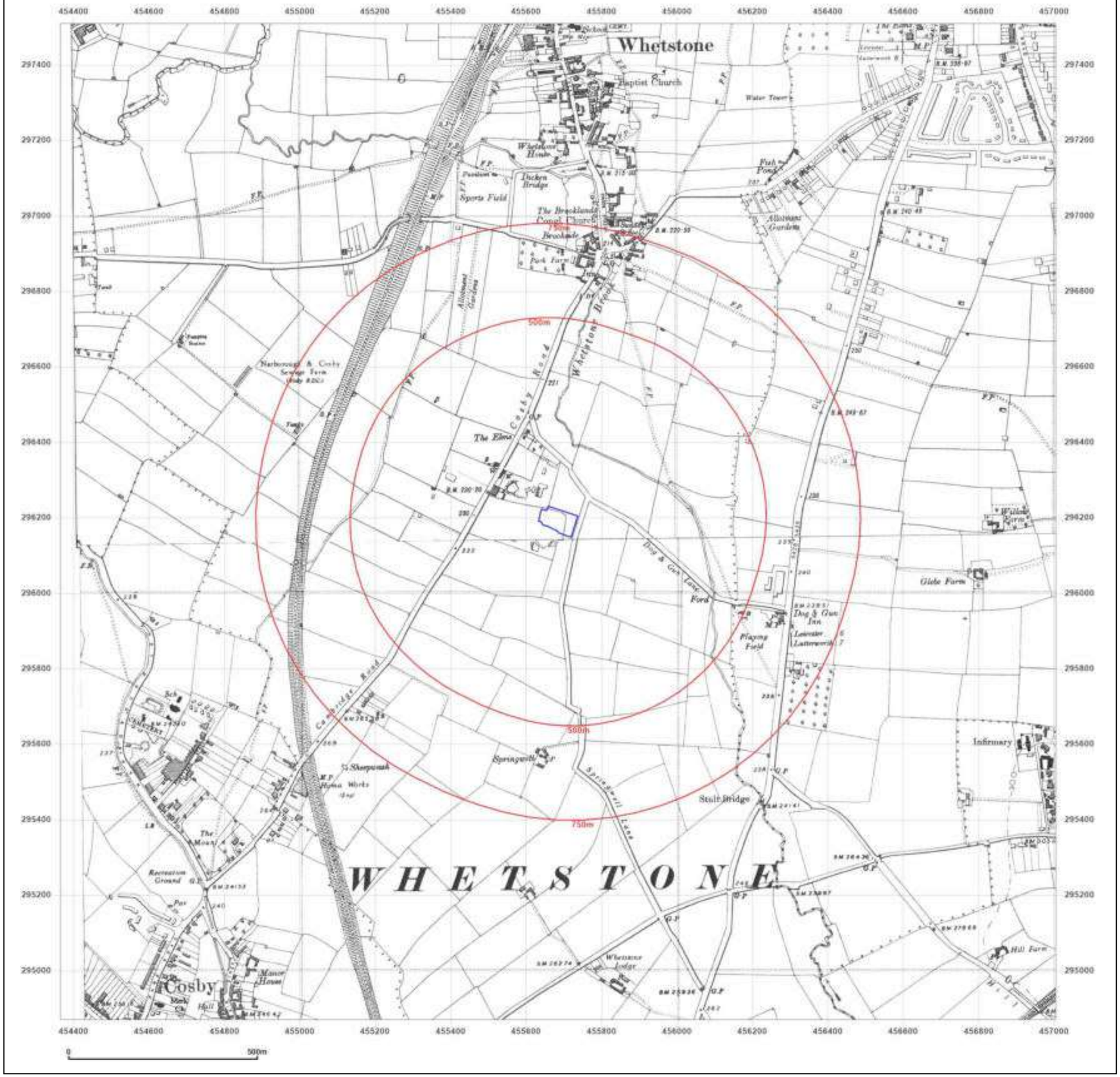

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Site Details:

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LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: County Series

Map date: **1950**

Scale: 1:10,560

Printed at: 1:10,560

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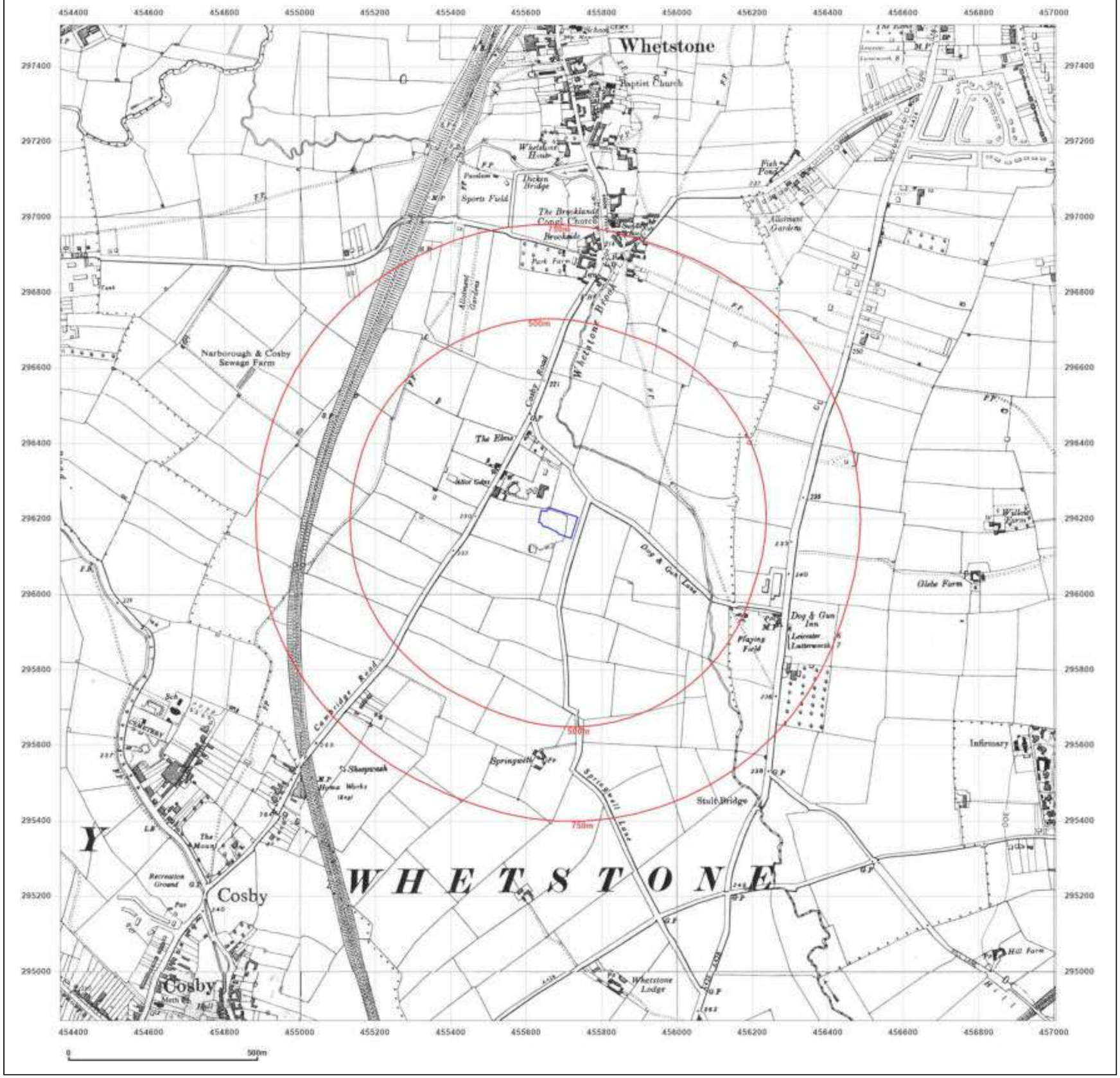

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: Provisional

Map date: **1950-1955**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1950
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed 1950
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1950
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

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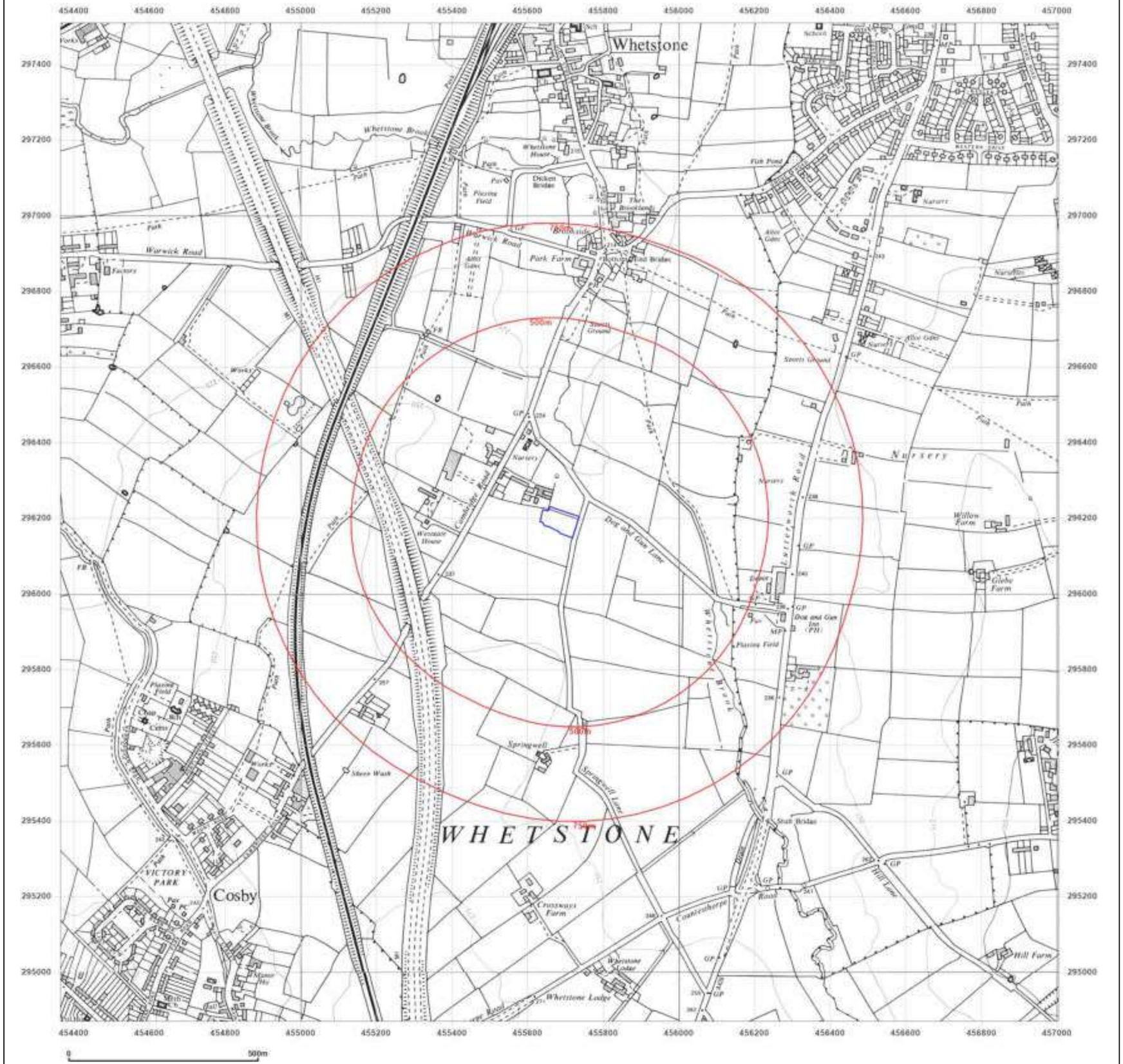

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: Provisional

Map date: **1967**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1965
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

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

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

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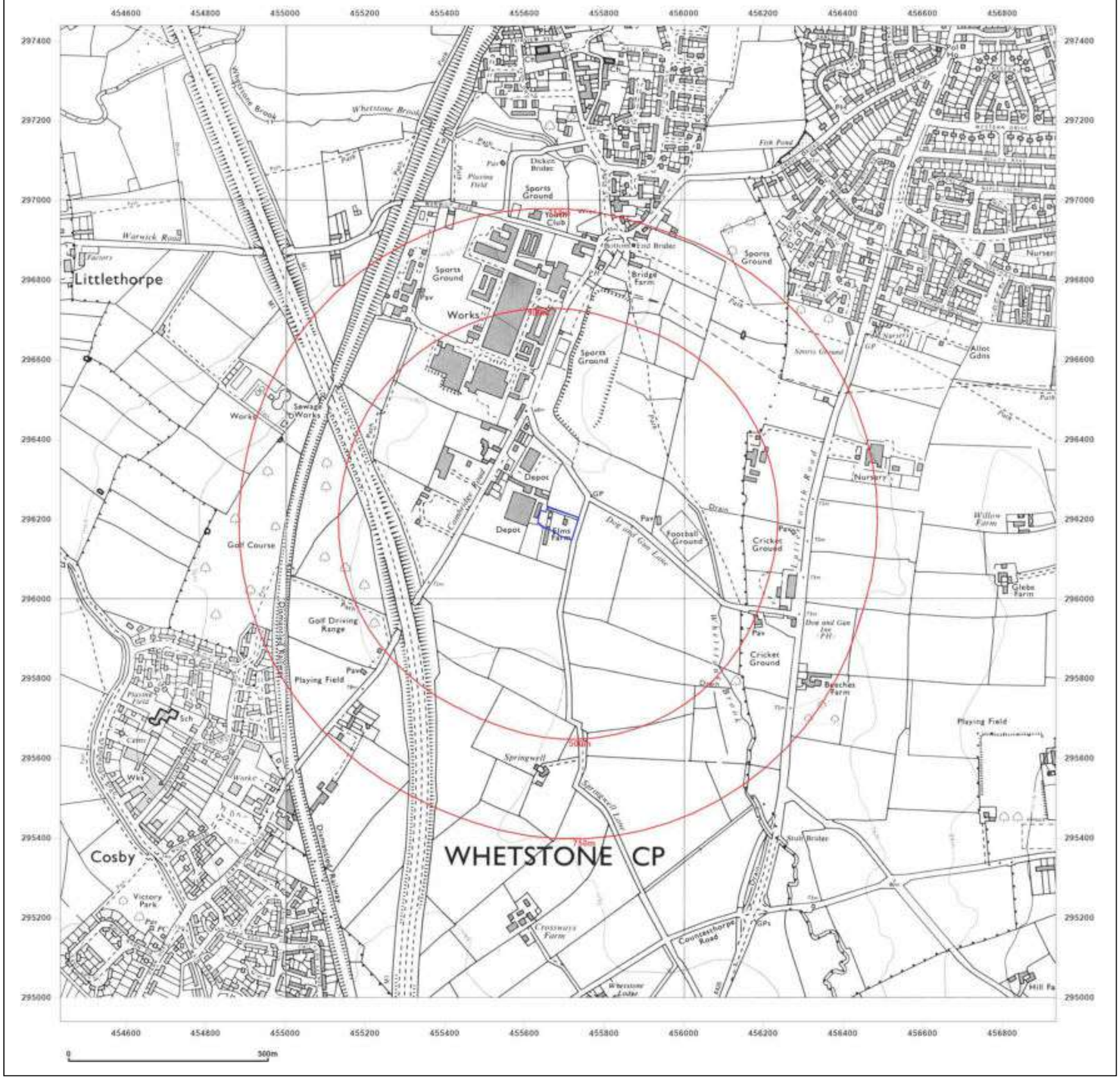

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Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1972-1973**

Scale: 1:10,000

Printed at: 1:10,000

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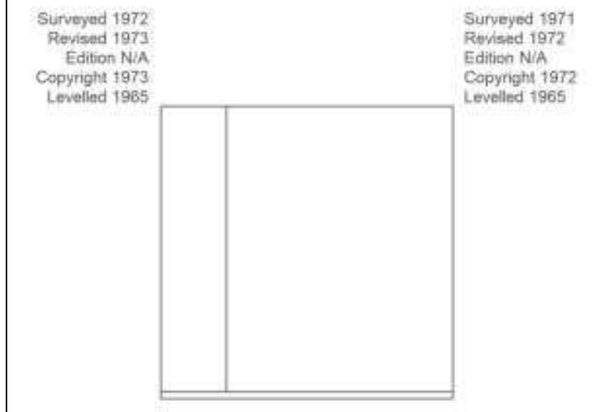

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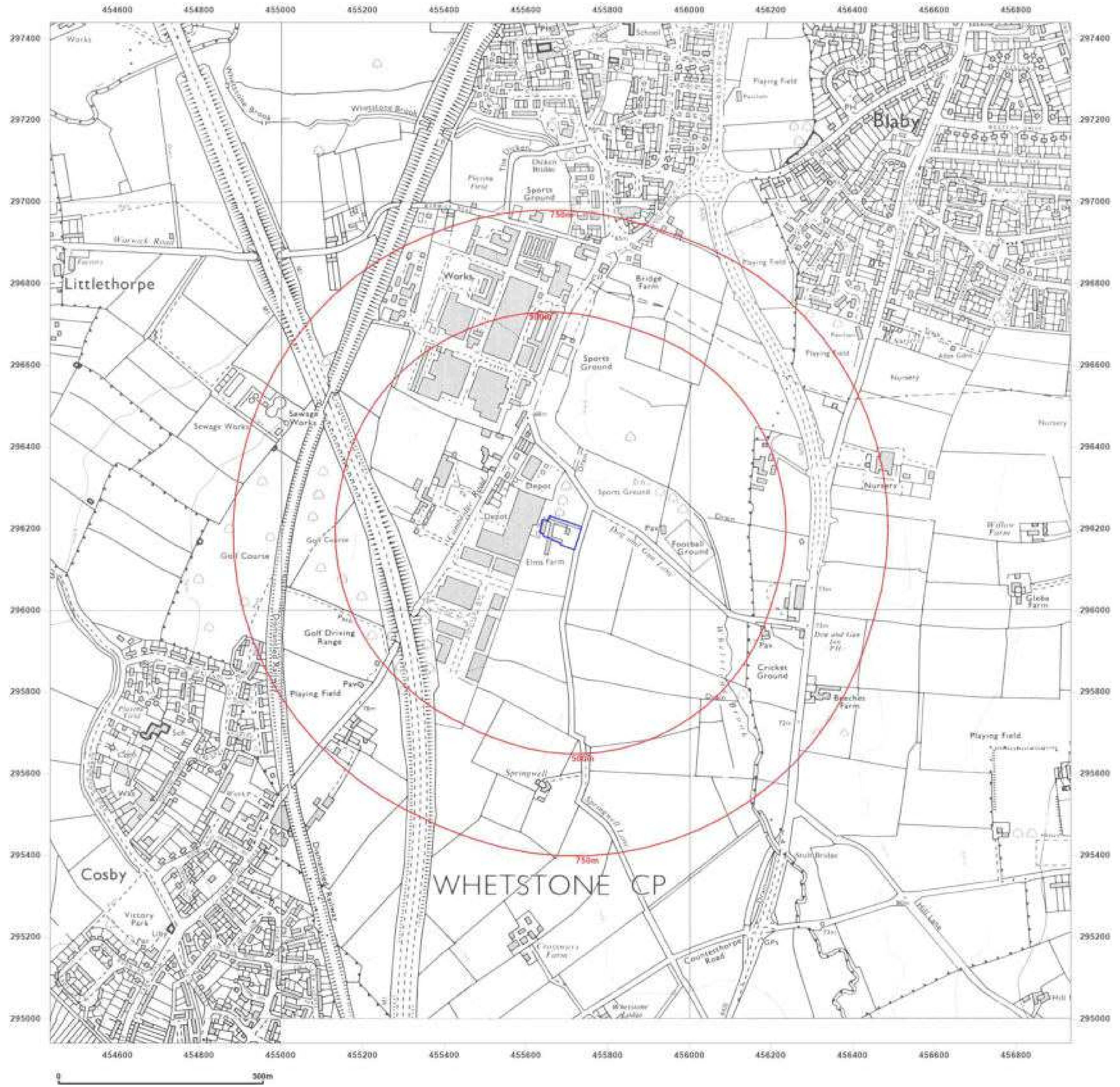

Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1980-1981**

Scale: 1:10,000

Printed at: 1:10,000

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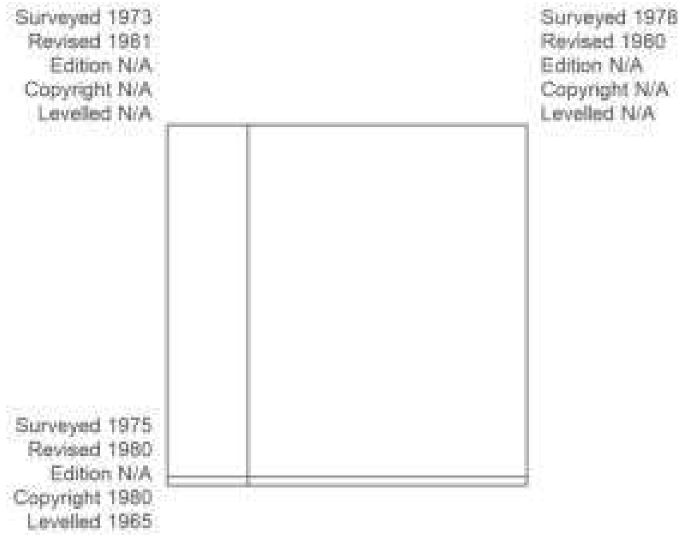

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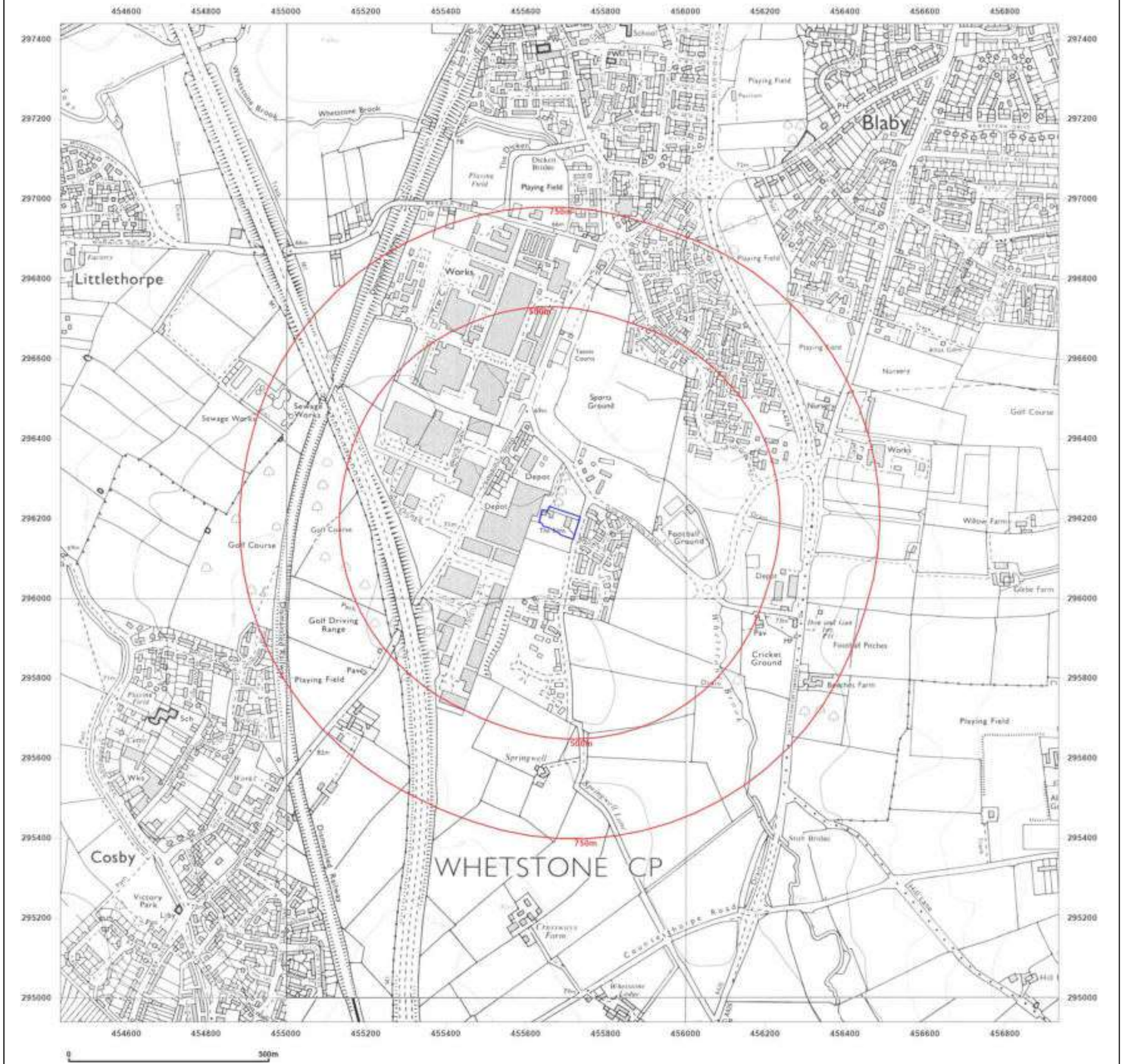

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Site Details:

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LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid

Map date: **1988-1992**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1990
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1991
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1991
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1965
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

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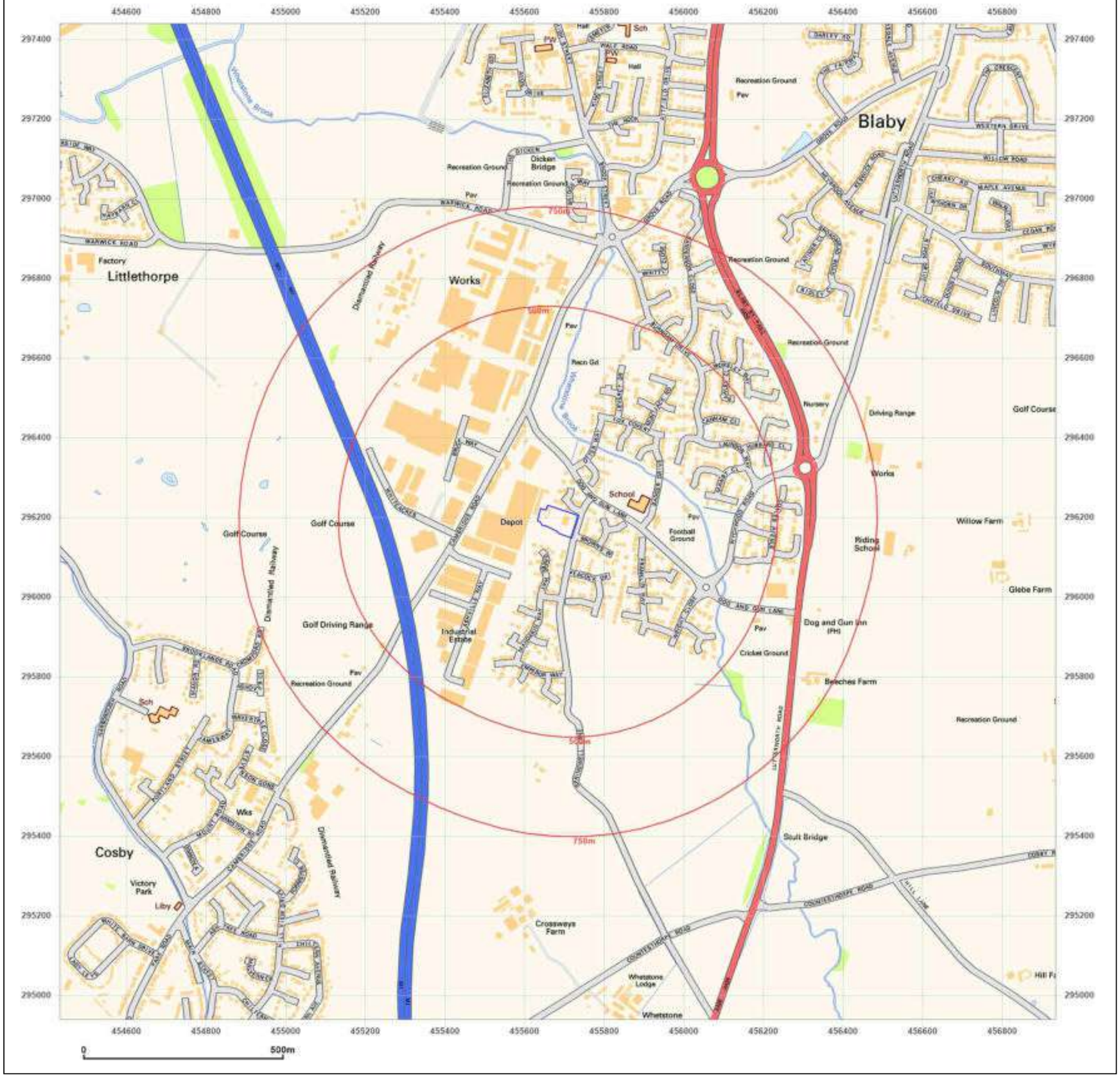

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Site Details:

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LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid
Map date: **2001**
Scale: 1:10,000
Printed at: 1:10,000

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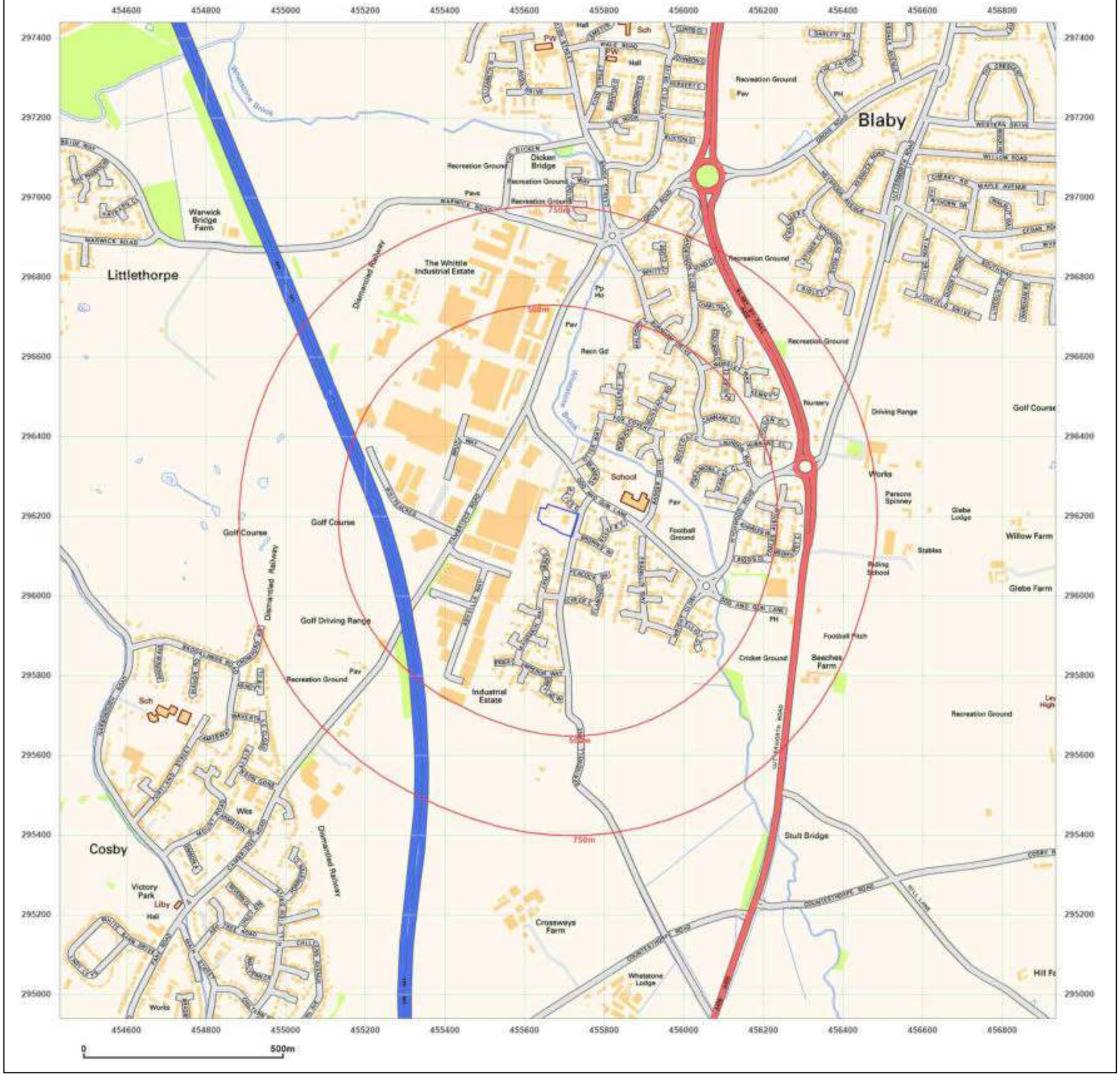
Production date: 15 August 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



EMAPSITE™

Site Details:

Springwell Lane, Whetstone,
LE8 6LT

Client Ref: EMS_887985_1098926
Report Ref: EMS-887985_1134828
Grid Ref: 455684, 296189

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

N
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2010

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Map legend available at:
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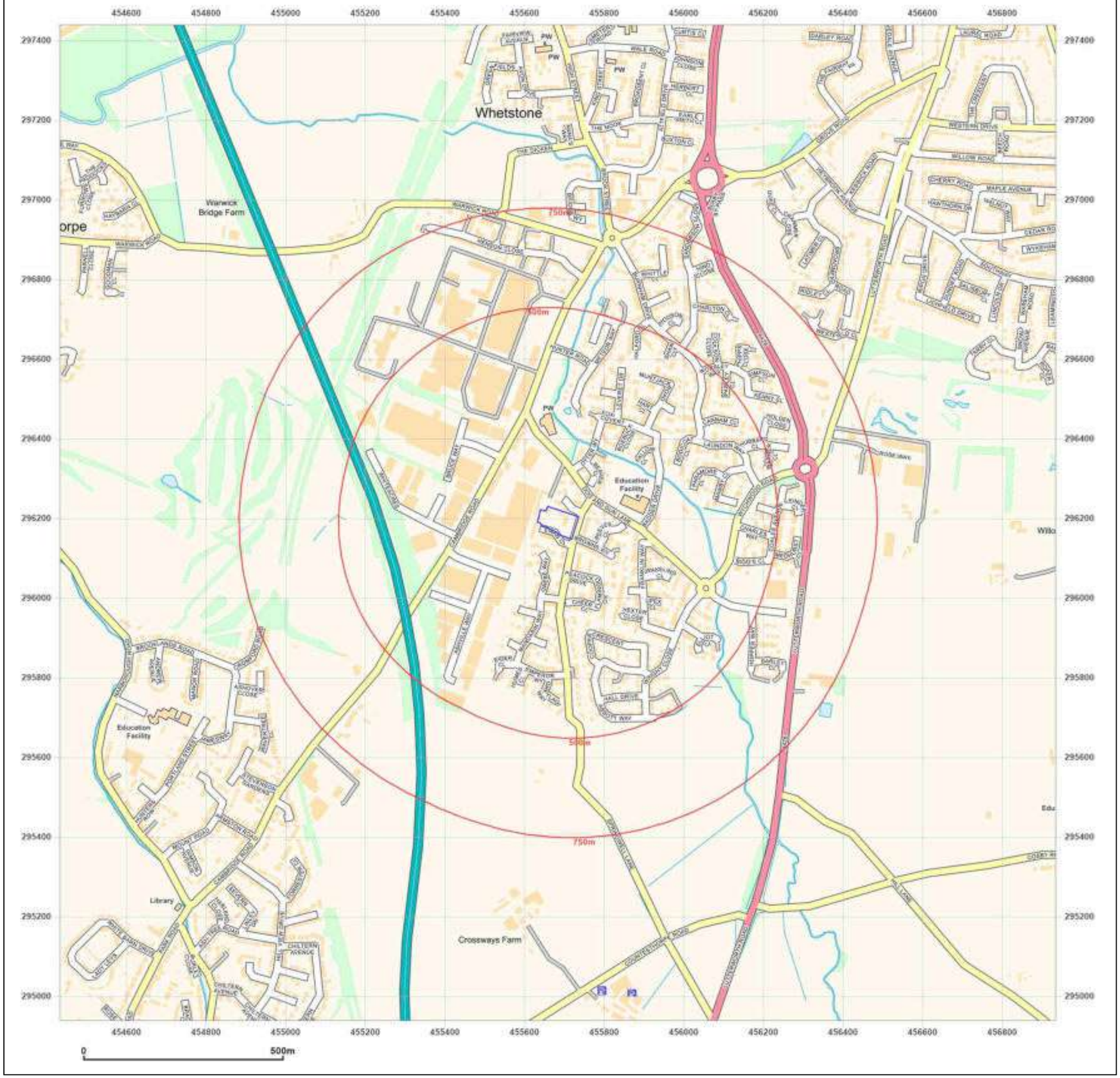

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Appendix C

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

Springwell Lane, Whetstone, LE8 6LT

Order Details

Date: 15/08/2023

Your ref: EMS_887985_1098926

Our Ref: EMS-887985_1134829

Site Details

Location: 455685 296192

Area: 0.5 ha

Authority: Blaby District Council ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	3	7	10	6	-
17 >	1.2 >	Historical tanks >	0	0	12	23	-
18 >	1.3 >	Historical energy features >	0	1	5	9	-
19	1.4	Historical petrol stations	0	0	0	0	-
19 >	1.5 >	Historical garages >	0	0	4	0	-
20	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
21 >	2.1 >	Historical industrial land uses >	4	10	11	8	-
23 >	2.2 >	Historical tanks >	0	0	24	40	-
25 >	2.3 >	Historical energy features >	0	5	19	29	-
28	2.4	Historical petrol stations	0	0	0	0	-
28 >	2.5 >	Historical garages >	0	0	10	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
29	3.1	Active or recent landfill	0	0	0	0	-
29	3.2	Historical landfill (BGS records)	0	0	0	0	-
30	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
30 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	0	-
30 >	3.5 >	Historical waste sites >	0	0	0	4	-
31	3.6	Licensed waste sites	0	0	0	0	-
31 >	3.7 >	Waste exemptions >	0	1	1	24	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
34 >	4.1 >	Recent industrial land uses >	0	3	24	-	-
36 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
36	4.3	Electricity cables	0	0	0	0	-
37	4.4	Gas pipelines	0	0	0	0	-
37	4.5	Sites determined as Contaminated Land	0	0	0	0	-

37	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
37	4.7	Regulated explosive sites	0	0	0	0	-
37 >	4.8 >	Hazardous substance storage/usage >	0	0	1	1	-
38	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
38	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
38 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	1	1	1	-
39 >	4.12 >	Radioactive Substance Authorisations >	0	0	1	6	-
40 >	4.13 >	Licensed Discharges to controlled waters >	0	0	1	6	-
41	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
41	4.15	Pollutant release to public sewer	0	0	0	0	-
42	4.16	List 1 Dangerous Substances	0	0	0	0	-
42	4.17	List 2 Dangerous Substances	0	0	0	0	-
42 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	2	0	-
42	4.19	Pollution inventory substances	0	0	0	0	-
43	4.20	Pollution inventory waste transfers	0	0	0	0	-
43	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
44 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
46 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
47 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
48	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
48	5.5	Groundwater vulnerability- local information	None (within 0m)				
49 >	5.6 >	Groundwater abstractions >	0	0	0	0	4
50	5.7	Surface water abstractions	0	0	0	0	0
51	5.8	Potable abstractions	0	0	0	0	0
51	5.9	Source Protection Zones	0	0	0	0	-
51	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
52 >	6.1 >	Water Network (OS MasterMap) >	0	0	3	-	-

53 >	6.2 >	Surface water features >	0	0	5	-	-
53 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
54 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
54 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
55	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
56 >	7.2 >	Historical Flood Events >	0	0	1	-	-
56	7.3	Flood Defences	0	0	0	-	-
56	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
56	7.5	Flood Storage Areas	0	0	0	-	-
57	7.6	Flood Zone 2	None (within 50m)				
57	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
58	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
59 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
60 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	2
61	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
61	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
61	10.4	Special Protection Areas (SPA)	0	0	0	0	0
61	10.5	National Nature Reserves (NNR)	0	0	0	0	0
62	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
62	10.7	Designated Ancient Woodland	0	0	0	0	0
62	10.8	Biosphere Reserves	0	0	0	0	0
62	10.9	Forest Parks	0	0	0	0	0
63	10.10	Marine Conservation Zones	0	0	0	0	0
63	10.11	Green Belt	0	0	0	0	0
63	10.12	Proposed Ramsar sites	0	0	0	0	0

63	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
63	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
64	10.15	Nitrate Sensitive Areas	0	0	0	0	0
64 >	10.16 >	Nitrate Vulnerable Zones >	1	0	1	0	2
65 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
66 >	10.18 >	SSSI Units >	0	0	0	0	3
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
68	11.1	World Heritage Sites	0	0	0	-	-
68	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
68	11.3	National Parks	0	0	0	-	-
68	11.4	Listed Buildings	0	0	0	-	-
69	11.5	Conservation Areas	0	0	0	-	-
69	11.6	Scheduled Ancient Monuments	0	0	0	-	-
69	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
71	12.2	Open Access Land	0	0	0	-	-
71	12.3	Tree Felling Licences	0	0	0	-	-
71	12.4	Environmental Stewardship Schemes	0	0	0	-	-
71	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
72 >	13.1 >	Priority Habitat Inventory >	0	0	1	-	-
73	13.2	Habitat Networks	0	0	0	-	-
73	13.3	Open Mosaic Habitat	0	0	0	-	-
73	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
74 >	14.1 >	10k Availability >	Identified (within 500m)				
75 >	14.2 >	Artificial and made ground (10k) >	1	1	1	2	-
77 >	14.3 >	Superficial geology (10k) >	1	0	2	4	-

78	14.4	Landslip (10k)	0	0	0	0	-
79 >	14.5 >	Bedrock geology (10k) >	1	0	0	0	-
80	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	**Geology 1:50,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
81 >	15.1 >	50k Availability >	Identified (within 500m)				
82 >	15.2 >	Artificial and made ground (50k) >	1	0	0	1	-
83 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
84 >	15.4 >	Superficial geology (50k) >	1	0	2	6	-
85 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
85	15.6	Landslip (50k)	0	0	0	0	-
85	15.7	Landslip permeability (50k)	None (within 50m)				
86 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
87 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
87	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	**Boreholes** >	On site	0-50m	50-250m	250-500m	500-2000m
88 >	16.1 >	BGS Boreholes >	0	0	8	-	-
Page	Section	**Natural ground subsidence** >					
90 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
91 >	17.2 >	Running sands >	Very low (within 50m)				
93 >	17.3 >	Compressible deposits >	Very low (within 50m)				
95 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
96 >	17.5 >	Landslides >	Very low (within 50m)				
97 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	**Mining and ground workings** >	On site	0-50m	50-250m	250-500m	500-2000m
99 >	18.1 >	BritPits >	0	0	1	0	-
100 >	18.2 >	Surface ground workings >	1	9	15	-	-
101	18.3	Underground workings	0	0	0	0	0
101	18.4	Underground mining extents	0	0	0	0	-
101 >	18.5 >	Historical Mineral Planning Areas >	0	0	2	1	-

102	18.6	Non-coal mining	0	0	0	0	0
102	18.7	JPB mining areas	None (within 0m)				
102	18.8	The Coal Authority non-coal mining	0	0	0	0	-
103	18.9	Researched mining	0	0	0	0	-
103	18.10	Mining record office plans	0	0	0	0	-
103	18.11	BGS mine plans	0	0	0	0	-
103	18.12	Coal mining	None (within 0m)				
103	18.13	Brine areas	None (within 0m)				
104	18.14	Gypsum areas	None (within 0m)				
104	18.15	Tin mining	None (within 0m)				
104	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
105	19.1	Natural cavities	0	0	0	0	-
105	19.2	Mining cavities	0	0	0	0	0
105	19.3	Reported recent incidents	0	0	0	0	-
105	19.4	Historical incidents	0	0	0	0	-
106	19.5	National karst database	0	0	0	0	-
Page	Section	**Radon** >					
107 >	**20.1** >	**Radon** >	Less than 1% (within 0m)				
Page	Section	**Soil chemistry** >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	**21.1** >	**BGS Estimated Background Soil Chemistry** >	1	1	-	-	-
109 >	**21.2** >	**BGS Estimated Urban Soil Chemistry** >	4	3	-	-	-
110	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
111	22.1	Underground railways (London)	0	0	0	-	-
111	22.2	Underground railways (Non-London)	0	0	0	-	-
111	22.3	Railway tunnels	0	0	0	-	-
111	22.4	Historical railway and tunnel features	0	0	0	-	-
111	22.5	Royal Mail tunnels	0	0	0	-	-

112	22.6	Historical railways	0	0	0	-	-
112	22.7	Railways	0	0	0	-	-
112	22.8	Crossrail 1	0	0	0	0	-
112	22.9	Crossrail 2	0	0	0	0	-
112	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 16/04/2020

Site Area: 0.5ha

Recent site history - 2017 aerial photograph

Capture Date: 22/09/2017

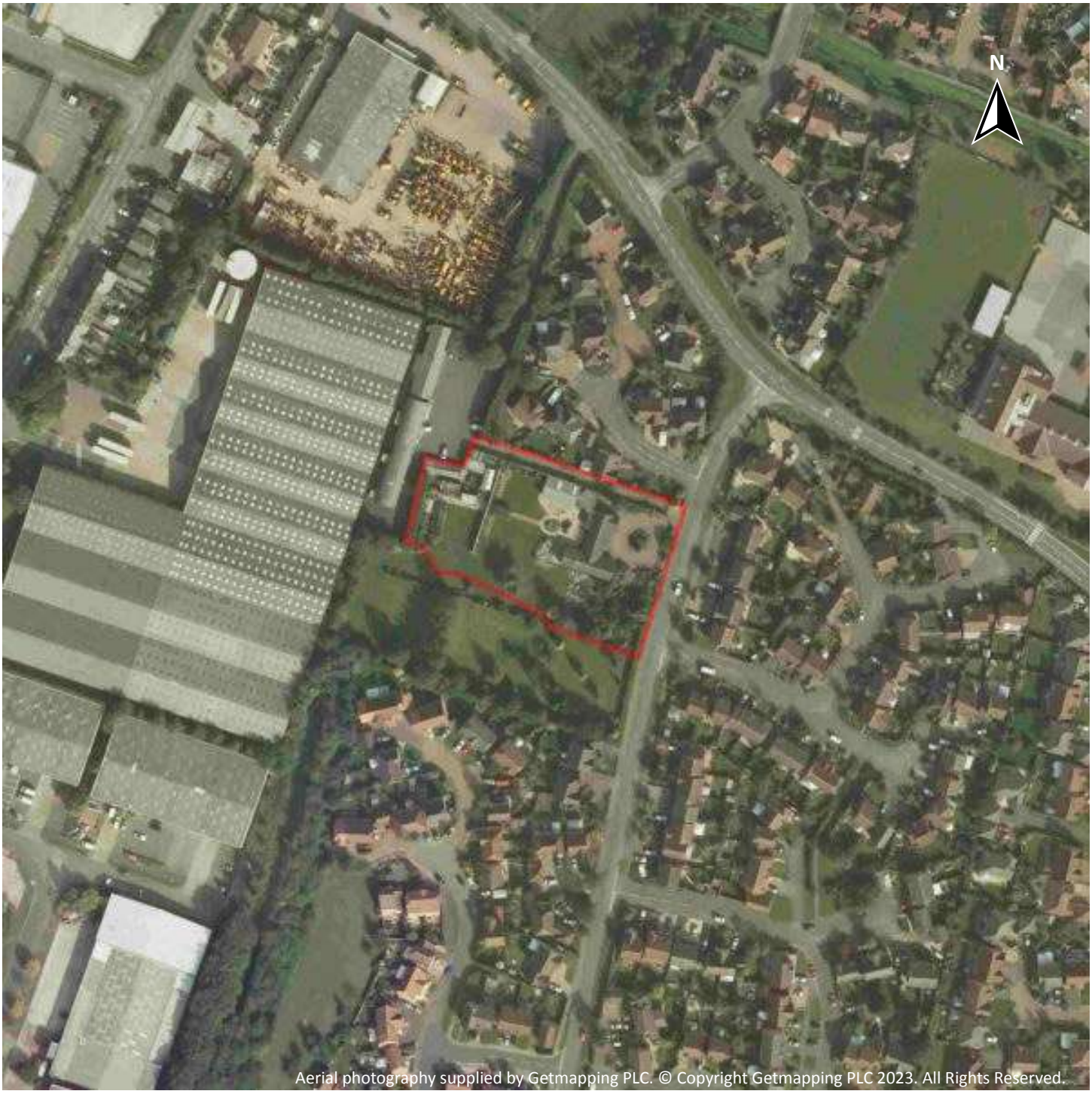
Site Area: 0.5ha

Recent site history - 2011 aerial photograph

Capture Date: 09/10/2011

Site Area: 0.5ha

Recent site history - 2008 aerial photograph



Capture Date: 20/09/2008

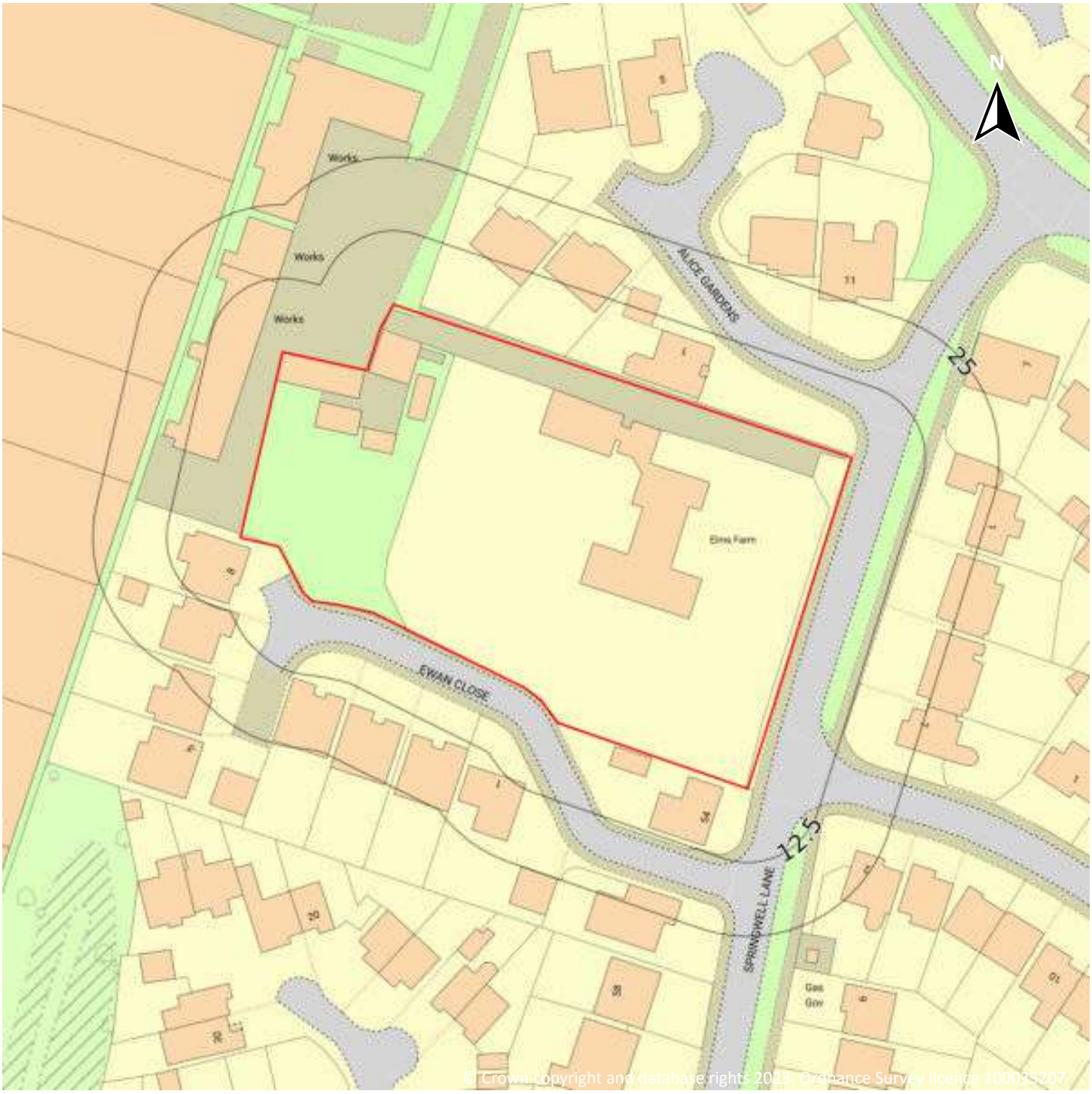
Site Area: 0.5ha

Recent site history - 1999 aerial photograph

Capture Date: 04/10/1999

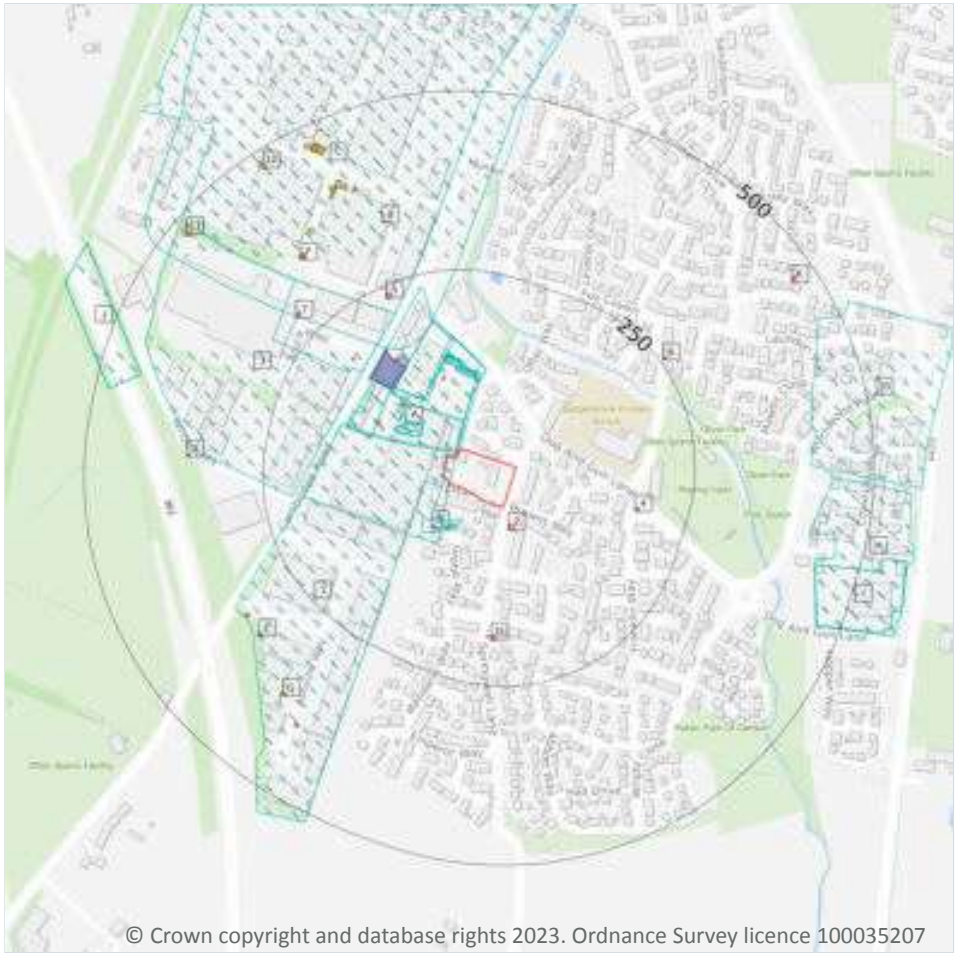
Site Area: 0.5ha

OS MasterMap site plan



Site Area: 0.5ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	26

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Depot**	**1980 - 1992**	**1791447**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Brick Works**	**1902**	**1764163**
A	**On site**	**Unspecified Depot**	**1971**	**1823829**
A	3m NW	Brick Yard	1885	1773500
B	37m SW	Old Clay Pits	1885	1760859
A	40m N	Unspecified Depot	1980 - 1992	1851032
B	43m SW	Unspecified Ground Workings	1950	1754826
A	45m NW	Unspecified Pit	1954	1777198
A	48m NW	Unspecified Ground Workings	1902	1786624
A	48m NW	Unspecified Ground Workings	1938 - 1950	1828574
A	59m NW	Unspecified Ground Workings	1885	1754825
A	81m NW	Nursery	1967	1772211
A	99m N	Unspecified Ground Workings	1928	1802454
A	99m N	Unspecified Ground Workings	1950	1849434
A	100m N	Unspecified Ground Workings	1954	1799628
A	102m N	Unspecified Ground Workings	1938	1803011
A	106m N	Unspecified Ground Workings	1885	1792051
C	160m NW	Unspecified Works	1971	1832391
3	160m NW	Unspecified Commercial/Industrial	1992	1752983
C	165m NW	Unspecified Works	1980 - 1992	1804982
10	412m E	Nursery	1967	1847647
H	421m E	Unspecified Depot	1992	1834651
I	439m E	Unspecified Commercial/Industrial	1971	1752982
I	439m E	Unspecified Depot	1967	1787912
J	442m W	Cuttings	1967 - 1971	1785685
J	442m W	Cuttings	1980 - 1992	1806602

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	35

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	91m NW	Unspecified Tank	1996	291458
A	91m NW	Unspecified Tank	1994	296348
A	91m NW	Unspecified Tank	1998	300401
A	91m NW	Unspecified Tank	1974	292944
A	92m NW	Unspecified Tank	1992	291003
A	92m NW	Unspecified Tank	1989	291016
A	92m NW	Unspecified Tank	1993	292634
A	92m NW	Unspecified Tank	1990	293073
A	92m NW	Unspecified Tank	1990	293171
A	99m N	Tanks	1974 - 1993	295884
A	103m NW	Unspecified Tank	1994 - 1998	291879
A	106m NW	Unspecified Tank	1974 - 1993	300810
E	332m SW	Unspecified Tank	1986	292567
8	333m N	Unspecified Tank	1974 - 1988	288434
F	338m NW	Unspecified Tank	1996	288750
F	339m NW	Unspecified Tank	1986 - 1989	293731
F	339m NW	Unspecified Tank	1974	301137
F	341m NW	Unspecified Tank	1986 - 1996	300005
F	360m NW	Unspecified Tank	1967	283434
G	371m SW	Unspecified Tank	1997	291158
G	374m SW	Unspecified Tank	1990	292872

ID	Location	Land use	Dates present	Group ID
C	388m NW	Unspecified Tank	1974 - 1988	300441
C	391m NW	Unspecified Tank	1986	293216
C	395m NW	Unspecified Tank	1974 - 1986	290486
C	396m NW	Unspecified Tank	1974	301037
C	398m NW	Tanks	1974 - 1986	297102
C	403m NW	Tanks	1974	287083
C	453m NW	Tanks	1986	291854
C	454m NW	Tanks	1974	299334
C	460m NW	Tanks	1996	297348
C	469m NW	Tanks	1996	290029
11	472m NW	Unspecified Tank	1996	289769
12	474m NW	Tanks	1974	287084
C	485m NW	Unspecified Tank	1986	297355
C	485m NW	Unspecified Tank	1974	301859

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**15**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
2	25m SE	Gas Valve House	1992 - 1998	182986
4	178m E	Electricity Substation	1996 - 1998	177867
D	180m S	Electricity Substation	1992 - 1997	174356
D	180m S	Electricity Substation	1990	184684

ID	Location	Land use	Dates present	Group ID
A	185m NW	Electricity Substation	1989 - 1998	186467
5	231m NW	Electricity Substation	1996 - 1998	183796
6	256m NE	Electricity Substation	1993 - 1998	181134
7	281m NW	Electricity Substation	1989 - 1996	186700
E	330m SW	Gas Valve House	1997	178652
E	332m SW	Gas Valve House	1986 - 1990	185586
9	353m W	Electricity Substation	1996	169803
G	396m SW	Electricity Substation	1986 - 1997	175648
K	465m NE	Electricity Substation	1992 - 1993	185048
K	470m NE	Electricity Substation	1994 - 1996	177492
H	482m E	Electricity Substation	1994 - 1996	180383

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	4

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	117m NW	Garage	1994 - 1998	58337
A	118m NW	Garage	1989	55337
A	118m NW	Garage	1990 - 1993	59982
A	121m NW	Garage	1967 - 1974	58455

This data is sourced from Ordnance Survey / Groundsure.

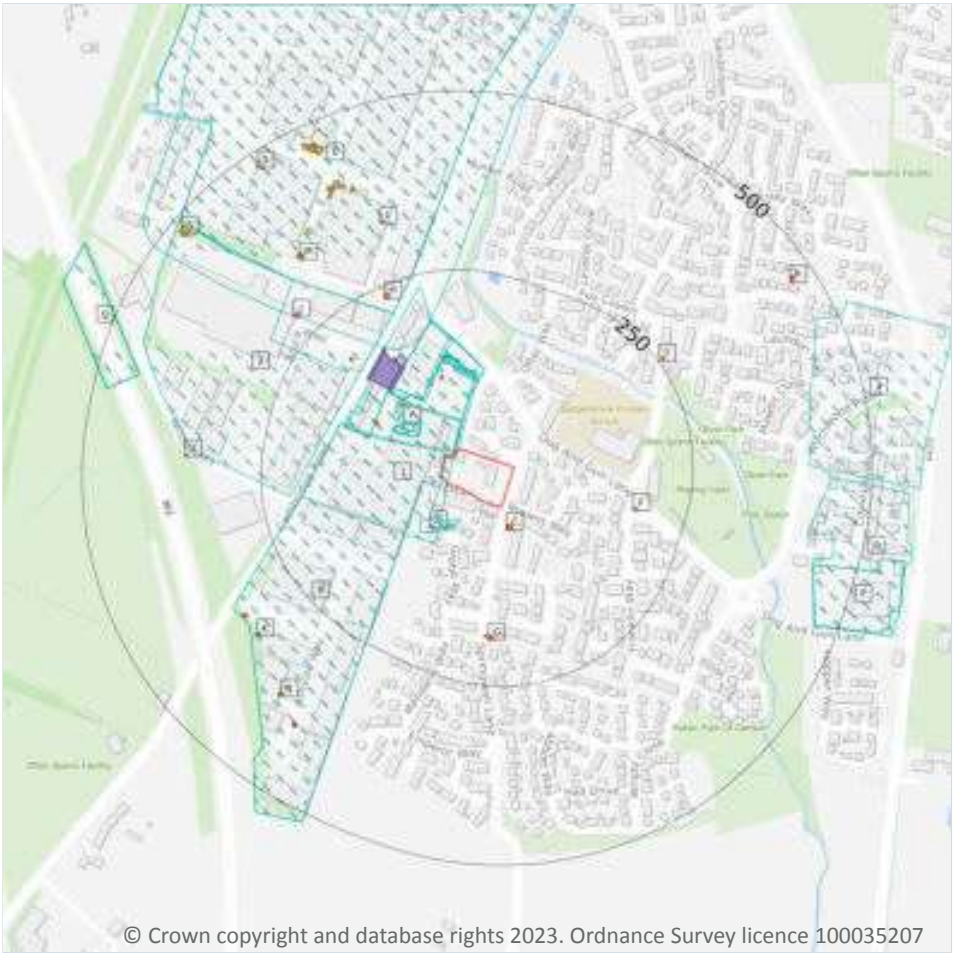
1.6 Historical military land

Records within 500m	**0**

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	33

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 21 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Depot**	**1971**	**1823829**
A	**On site**	**Brick Works**	**1902**	**1764163**
B	**On site**	**Unspecified Depot**	**1980**	**1791447**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Unspecified Depot**	**1992**	**1791447**
A	3m NW	Brick Yard	1885	1773500
D	37m SW	Old Clay Pits	1885	1760859
A	40m N	Unspecified Depot	1980	1851032
A	40m N	Unspecified Depot	1971	1823829
A	40m N	Unspecified Depot	1992	1851032
D	43m SW	Unspecified Ground Workings	1950	1754826
A	45m NW	Unspecified Pit	1954	1777198
A	48m NW	Unspecified Ground Workings	1950	1828574
A	48m NW	Unspecified Ground Workings	1902	1786624
A	48m NW	Unspecified Ground Workings	1938	1828574
A	59m NW	Unspecified Ground Workings	1885	1754825
A	81m NW	Nursery	1967	1772211
A	99m N	Unspecified Ground Workings	1950	1849434
A	99m N	Unspecified Ground Workings	1928	1802454
A	100m N	Unspecified Ground Workings	1954	1799628
A	102m N	Unspecified Ground Workings	1938	1803011
A	106m N	Unspecified Ground Workings	1885	1792051
E	160m NW	Unspecified Works	1971	1832391
2	160m NW	Unspecified Commercial/Industrial	1992	1752983
E	165m NW	Unspecified Works	1980	1804982
E	210m NW	Unspecified Works	1992	1804982
4	412m E	Nursery	1967	1847647
O	421m E	Unspecified Depot	1992	1834651
P	439m E	Unspecified Depot	1967	1787912
P	439m E	Unspecified Commercial/Industrial	1971	1752982
Q	442m W	Cuttings	1967	1785685
Q	442m W	Cuttings	1980	1806602

ID	Location	Land Use	Date	Group ID
Q	442m W	Cuttings	1971	1785685
Q	442m W	Cuttings	1992	1806602

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**64**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 21 >**

ID	Location	Land Use	Date	Group ID
A	91m NW	Unspecified Tank	1996	291458
A	91m NW	Unspecified Tank	1994	296348
A	91m NW	Unspecified Tank	1998	300401
A	91m NW	Unspecified Tank	1974	292944
A	92m NW	Unspecified Tank	1989	291016
A	92m NW	Unspecified Tank	1990	293073
A	92m NW	Unspecified Tank	1992	291003
A	92m NW	Unspecified Tank	1990	293171
A	92m NW	Unspecified Tank	1993	292634
A	99m N	Tanks	1974	295884
A	100m N	Tanks	1989	295884
A	100m N	Tanks	1990	295884
A	100m N	Tanks	1992	295884
A	100m N	Tanks	1990	295884
A	100m N	Tanks	1993	295884
A	103m NW	Unspecified Tank	1996	291879
A	103m NW	Unspecified Tank	1994	291879
A	103m NW	Unspecified Tank	1998	291879

ID	Location	Land Use	Date	Group ID
A	106m NW	Unspecified Tank	1989	300810
A	106m NW	Unspecified Tank	1990	300810
A	106m NW	Unspecified Tank	1992	300810
A	106m NW	Unspecified Tank	1990	300810
A	106m NW	Unspecified Tank	1993	300810
A	106m NW	Unspecified Tank	1974	300810
K	332m SW	Unspecified Tank	1986	292567
K	332m SW	Unspecified Tank	1986	292567
L	333m N	Unspecified Tank	1986	288434
L	333m N	Unspecified Tank	1988	288434
L	333m N	Unspecified Tank	1974	288434
M	338m NW	Unspecified Tank	1996	288750
M	339m NW	Unspecified Tank	1986	293731
M	339m NW	Unspecified Tank	1988	293731
M	339m NW	Unspecified Tank	1989	293731
M	339m NW	Unspecified Tank	1974	301137
M	340m NW	Unspecified Tank	1974	301137
M	341m NW	Unspecified Tank	1996	300005
M	341m NW	Unspecified Tank	1996	300005
M	341m NW	Unspecified Tank	1986	300005
M	360m NW	Unspecified Tank	1967	283434
N	371m SW	Unspecified Tank	1997	291158
N	374m SW	Unspecified Tank	1990	292872
N	374m SW	Unspecified Tank	1990	292872
N	374m SW	Unspecified Tank	1990	292872
E	388m NW	Unspecified Tank	1986	300441
E	388m NW	Unspecified Tank	1988	300441
E	388m NW	Unspecified Tank	1974	300441

ID	Location	Land Use	Date	Group ID
E	391m NW	Unspecified Tank	1986	293216
E	395m NW	Unspecified Tank	1986	290486
E	396m NW	Unspecified Tank	1974	301037
E	398m NW	Tanks	1986	297102
E	401m NW	Tanks	1974	297102
E	401m NW	Unspecified Tank	1974	290486
E	403m NW	Tanks	1974	287083
E	453m NW	Tanks	1986	291854
E	454m NW	Tanks	1974	299334
E	460m NW	Tanks	1996	297348
E	460m NW	Tanks	1996	297348
E	469m NW	Tanks	1996	290029
E	469m NW	Tanks	1996	290029
S	472m NW	Unspecified Tank	1996	289769
S	472m NW	Unspecified Tank	1996	289769
5	474m NW	Tanks	1974	287084
E	485m NW	Unspecified Tank	1986	297355
E	485m NW	Unspecified Tank	1974	301859

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**53**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 21 >**

ID	Location	Land Use	Date	Group ID
C	25m SE	Gas Valve House	1992	182986
C	25m SE	Gas Valve House	1993	182986

ID	Location	Land Use	Date	Group ID
C	26m SE	Gas Valve House	1996	182986
C	26m SE	Gas Valve House	1994	182986
C	26m SE	Gas Valve House	1998	182986
F	178m E	Electricity Substation	1996	177867
F	178m E	Electricity Substation	1998	177867
G	180m S	Electricity Substation	1992	174356
G	180m S	Electricity Substation	1995	174356
G	180m S	Electricity Substation	1997	174356
G	180m S	Electricity Substation	1996	174356
G	180m S	Electricity Substation	1990	184684
G	180m S	Electricity Substation	1990	184684
G	180m S	Electricity Substation	1990	184684
A	185m NW	Electricity Substation	1996	186467
A	185m NW	Electricity Substation	1994	186467
A	185m NW	Electricity Substation	1998	186467
A	185m NW	Electricity Substation	1989	186467
A	185m NW	Electricity Substation	1990	186467
A	185m NW	Electricity Substation	1992	186467
A	185m NW	Electricity Substation	1990	186467
A	185m NW	Electricity Substation	1993	186467
H	231m NW	Electricity Substation	1996	183796
H	231m NW	Electricity Substation	1998	183796
I	256m NE	Electricity Substation	1996	181134
I	256m NE	Electricity Substation	1994	181134
I	256m NE	Electricity Substation	1998	181134
I	256m NE	Electricity Substation	1993	181134
J	281m NW	Electricity Substation	1996	186700
J	281m NW	Electricity Substation	1989	186700

ID	Location	Land Use	Date	Group ID
K	330m SW	Gas Valve House	1997	178652
K	332m SW	Gas Valve House	1986	185586
K	332m SW	Gas Valve House	1986	185586
K	332m SW	Gas Valve House	1990	185586
K	332m SW	Gas Valve House	1990	185586
K	332m SW	Gas Valve House	1990	185586
3	353m W	Electricity Substation	1996	169803
N	396m SW	Electricity Substation	1986	175648
N	396m SW	Electricity Substation	1986	175648
N	396m SW	Electricity Substation	1990	175648
N	396m SW	Electricity Substation	1990	175648
N	396m SW	Electricity Substation	1990	175648
N	397m SW	Electricity Substation	1997	175648
R	465m NE	Electricity Substation	1992	185048
R	465m NE	Electricity Substation	1993	185048
R	470m NE	Electricity Substation	1994	177492
R	470m NE	Electricity Substation	1994	177492
R	470m NE	Electricity Substation	1995	177492
R	470m NE	Electricity Substation	1996	177492
O	482m E	Electricity Substation	1994	180383
O	482m E	Electricity Substation	1994	180383
O	482m E	Electricity Substation	1995	180383
O	482m E	Electricity Substation	1996	180383

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	10

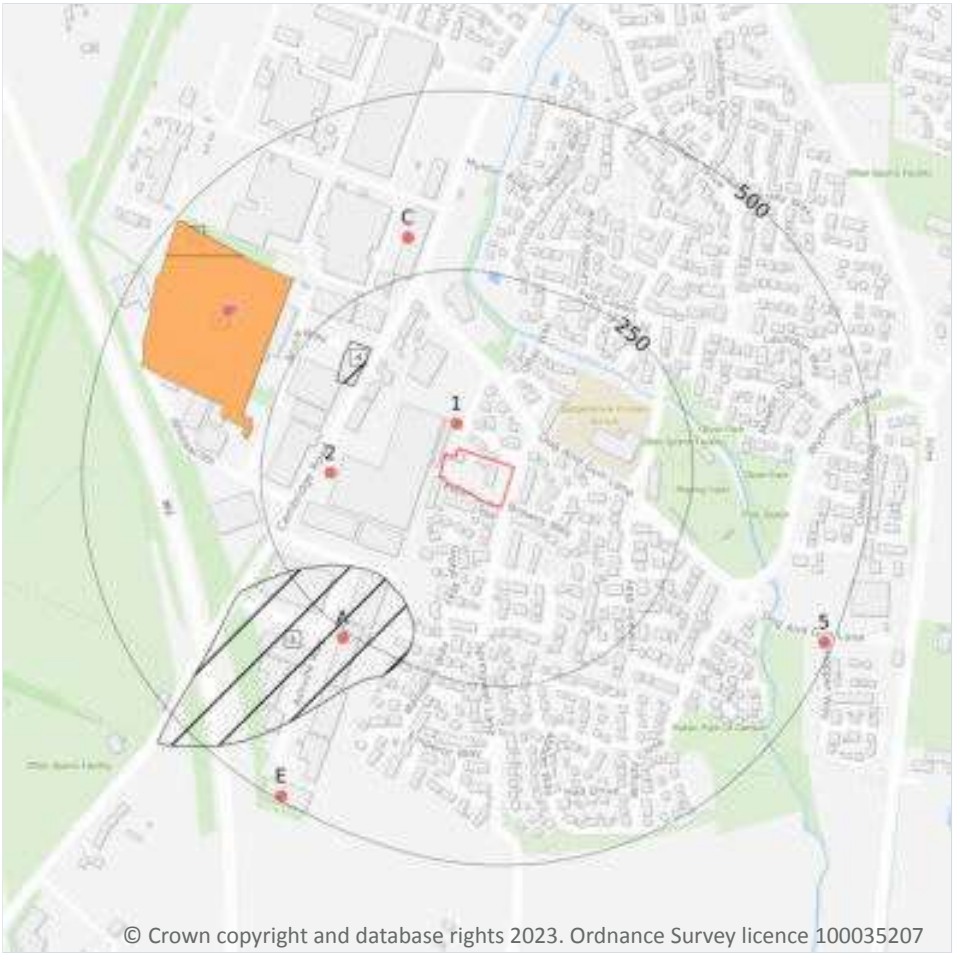
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 21 >**

ID	Location	Land Use	Date	Group ID
A	117m NW	Garage	1996	58337
A	117m NW	Garage	1994	58337
A	117m NW	Garage	1998	58337
A	118m NW	Garage	1989	55337
A	118m NW	Garage	1990	59982
A	118m NW	Garage	1992	59982
A	118m NW	Garage	1990	59982
A	118m NW	Garage	1993	59982
A	121m NW	Garage	1974	58455
A	121m NW	Garage	1967	58455

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	2

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 29 >**

ID	Location	Details		
3	158m SW	Site Address: Ashville Way Industrial Estate, Whetstone, Ashville Way Industrial Estate, Ashville Way, Whetstone, Blaby, Leicestershire Licence Holder Address: -	Waste Licence: - Site Reference: 176, GDO 85 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 01/01/1959 Last Recorded: -
4	159m NW	Site Address: Off Cambridge Road, Whetstone, Blaby, Leicestershire Licence Holder Address: -	Waste Licence: - Site Reference: GDO 291 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 01/01/1960 Last Recorded: 31/12/1970

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	4

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 29 >**

ID	Location	Address	Further Details	Date
B	269m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1973
B	271m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
D	394m NW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1973
D	395m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	0

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	26

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 29 >**

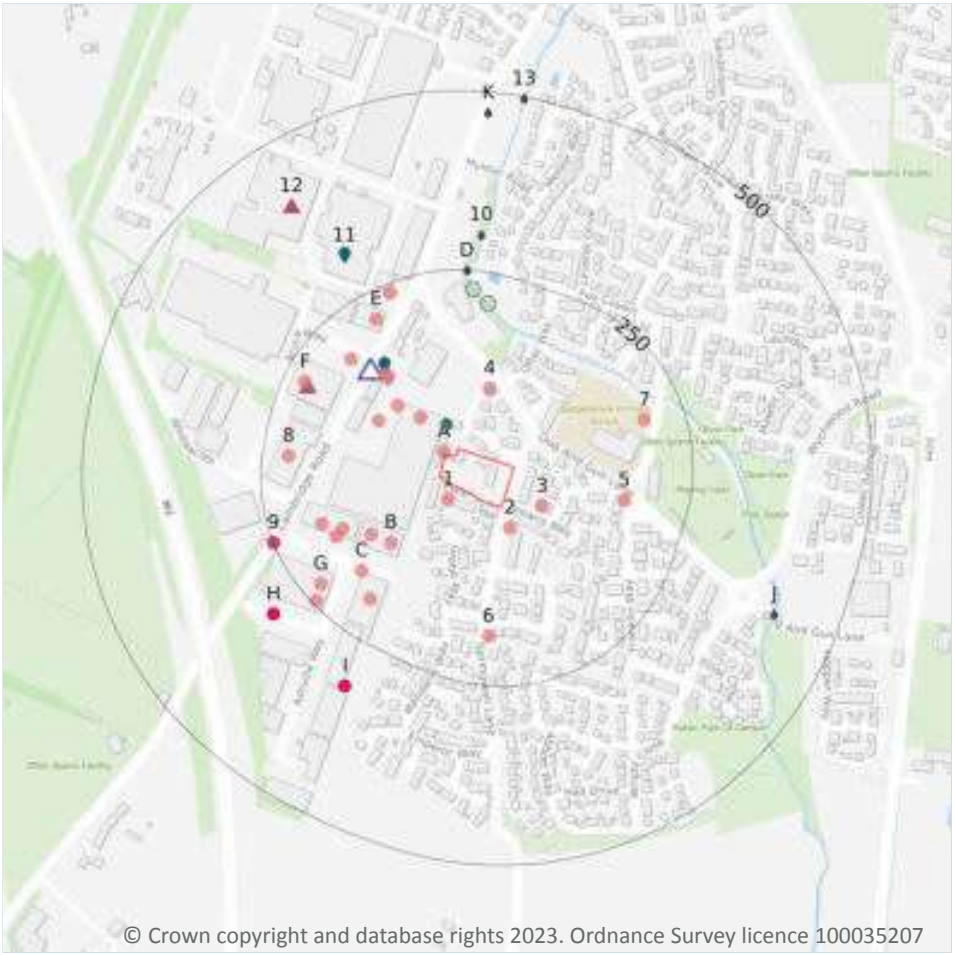
ID	Location	Site	Reference	Category	Sub-Category	Description
1	34m NW	Whetstone Baptist Church, Dog and Gun Lane, Whetstone, LE8 6LJ	WEX108276	Using waste exemption	Not on a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
2	154m W	6-11 Elms Depot Cambridge Road LEICESTER LE8 6AB	EPR/BF0330YV/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
A	261m SW	Unit 33 Ashville Way LEICESTER LE8 6NU	EPR/PF0609TJ/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
A	261m SW	Unit 33 Ashville Way LEICESTER LE8 6NU	EPR/PF0609TJ/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
A	261m SW	Unit 33 Ashville Way LEICESTER LE8 6NU	EPR/PF0609TJ/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
A	261m SW	Unit 33 Ashville Way LEICESTER LE8 6NU	EPR/YF0237FK/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
A	261m SW	Unit 33 Ashville Way LEICESTER LE8 6NU	EPR/YF0237FK/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
C	303m N	Unit 2, Block 54 Whittle Estate, Cambridge Road, Leicester, LE8 6LH	EA/EPR/WP3041CF/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
C	303m N	Unit 2 Block 54 Whittle Estate,CAMBRIDGE ROAD,LEICESTER LE8 6LH	EXP/WP3041CF	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
B	360m NW	BRUCE WAY, WHETSTONE, LEICESTER, LE8 6HP	WEX182662	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	360m NW	BRUCE WAY, WHETSTONE, LEICESTER, LE8 6HP	WEX182662	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	360m NW	BRUCE WAY, WHETSTONE, LEICESTER, LE8 6HP	WEX182662	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	360m NW	BRUCE WAY, WHETSTONE, LEICESTER, LE8 6HP	WEX182662	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	360m NW	BRUCE WAY, WHETSTONE, LEICESTER, LE8 6HP	WEX022906	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	360m NW	BRUCE WAY, WHETSTONE, LEICESTER, LE8 6HP	WEX022906	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

ID	Location	Site	Reference	Category	Sub-Category	Description
B	360m NW	BRUCE WAY WHETSTONE LEICESTER LE8 6HP	WEX020753	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	360m NW	BRUCE WAY WHETSTONE LEICESTER LE8 6HP	WEX020753	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	360m NW	BRUCE WAY WHETSTONE LEICESTER LE8 6HP	WEX020753	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	364m NW	Cromwell Tools (BRC) Bruce Way LEICESTER LE8 6HP	EPR/XE5381PE/A001	Disposing of waste exemption	Non-Agricultural Waste Only	Burning waste in the open
B	364m NW	Cromwell Tools (BRC) Bruce Way LEICESTER LE8 6HP	EPR/XE5381PE/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
5	489m SE	Davidsons Site Dog & Gun Lane Whetstone Leicestershire LE8 6NA	EPR/PF0539WS/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
E	495m SW	UNIT 33, ASHVILLE WAY, WHETSTONE, LEICESTER, LE8 6NU	WEX132663	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	495m SW	UNIT 33, ASHVILLE WAY, WHETSTONE, LEICESTER, LE8 6NU	WEX132663	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	495m SW	UNIT 33, ASHVILLE WAY, WHETSTONE, LEICESTER, LE8 6NU	WEX132663	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	495m SW	-	WEX273552	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	495m SW	-	WEX273552	Storing waste exemption	Not on a farm	Storage of waste in secure containers

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



Site Outline

Search buffers in metres (m)

Recent industrial land uses

Current or recent petrol stations

Hazardous substance storage/usage

Licensed pollutant release (Part A(2)/B)

Radioactive Substance Authorisations

Licensed Discharges to controlled waters

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	27

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 34 >**

ID	Location	Company	Address	Activity	Category
A	4m NW	Works	Leicestershire, LE8	Unspecified Works Or Factories	Industrial Features
1	20m SW	Guala Dispensing	4, Ewan Close, Whetstone, Leicestershire, LE8 6PB	Rubber, Silicones and Plastics	Industrial Products
2	30m SE	Gas Valve House	Leicestershire, LE8	Gas Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
3	53m SE	Cheviot Technical Services Ltd	1, Browns Way, Whetstone, Leicestershire, LE8 6YP	Mechanical Engineers	Engineering Services
A	62m NW	The Dune Group	1 Elms Depot, Cambridge Road, Whetstone, Leicestershire, LE8 6AB	Container and Storage	Transport, Storage and Delivery
4	94m N	Clares Blinds & Curtains	7, Alice Gardens, Whetstone, Leicestershire, LE8 6WH	Curtains and Blinds	Consumer Products
A	95m NW	Tank	Leicestershire, LE8	Tanks (Generic)	Industrial Features
A	104m NW	Tank	Leicestershire, LE8	Tanks (Generic)	Industrial Features
B	114m SW	Pex Ltd	Unit 6, Ashville Way, Whetstone, Leicestershire, LE8 6NU	Clothing, Components and Accessories	Consumer Products
B	126m SW	T G W Distribution	Unit 5, Ashville Way, Whetstone, Leicestershire, LE8 6NU	Horticultural Equipment	Industrial Products
A	134m NW	Camstone Garage Ltd	Workshop Petrol Filling Station 16, Cambridge Road, Whetstone, Leicestershire, LE8 6LG	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	139m NW	Texaco	Cambridge Road, Whetstone, Leicester, Leicestershire, LE8 6LG	Petrol and Fuel Stations	Road and Rail
B	154m W	Stretchline UK Ltd	Units 3 and 4, Ashville Way, Whetstone, Leicestershire, LE8 6NU	Ropes, Nets and Cordage	Industrial Products
5	161m E	Electricity Sub Station	Leicestershire, LE8	Electrical Features	Infrastructure and Facilities
B	167m SW	Electricity Sub Station	Leicestershire, LE8	Electrical Features	Infrastructure and Facilities
C	170m SW	Electricity Sub Station	Leicestershire, LE8	Electrical Features	Infrastructure and Facilities
B	177m W	A B G Arts	Unit 2, Ashville Way, Whetstone, Leicestershire, LE8 6NU	Textiles, Fabrics, Silk and Machinery	Industrial Products
6	181m S	Electricity Sub Station	Leicestershire, LE8	Electrical Features	Infrastructure and Facilities
A	186m NW	Electricity Sub Station	Leicestershire, LE8	Electrical Features	Infrastructure and Facilities
7	194m E	Gas Governor Station	Leicestershire, LE8	Gas Features	Infrastructure and Facilities
C	194m SW	Gardner Aerospace	Unit 11, Ashville Way, Whetstone, Leicestershire, LE8 6NU	Aeroplanes	Industrial Products

ID	Location	Company	Address	Activity	Category
E	212m NW	Prontaprint Ltd	Unit 1 Industrial Estate, Bruce Way, Whetstone, Leicestershire, LE8 6HP	Published Goods	Industrial Products
8	214m W	Imperial International Ltd	Imperial Whiteacres, Cambridge Road, Whetstone, Leicestershire, LE8 6BB	Distribution and Haulage	Transport, Storage and Delivery
F	220m NW	Pyramid International	Industrial Estate, Bruce Way, Whetstone, Leicestershire, LE8 6HP	Distribution and Haulage	Transport, Storage and Delivery
G	224m SW	Lithgo Press	Unit 10, Ashville Way, Whetstone, Leicestershire, LE8 6NU	Published Goods	Industrial Products
E	238m NW	Electricity Sub Station	Leicestershire, LE8	Electrical Features	Infrastructure and Facilities
G	245m SW	Base Materials	Unit 20, Ashville Way, Whetstone, Leicestershire, LE8 6NU	Adhesives and Sealants	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 34 >**

ID	Location	Company	Address	LPG	Status
A	159m NW	TEXACO	16, Cambridge Road, Whetstone, Leicester, Leicestershire, LE8 6LG	Yes	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	2

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 34 >**

ID	Location	Details	
F	215m NW	Application reference number: 92/0876/1/ZY Application status: Historical Consent Application date: 17/08/1992 Address: The Elms Depot, Cambridge Road, Whetstone, Leicester, LE8 6LG	Details: Application for deemed hazardous substances consent Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
12	408m NW	Application reference number: 11/0871/1/ZY Application status: Approved Application date: 28/11/2011 Address: Gee Force Logistics Ltd, Spitfire House, Whittle Estate, Cambridge Road, Whetstone, Leicester, Leicestershire, England, LE8 6LH	Details: Application for hazardous substances consent for the storage of 400,000 aerosol cans (200 tonnes) (Liquid Petroleum Gas) Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	3

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34 >**

ID	Location	Address	Details	
A	34m NW	Watling JCB, Dog And Gun Lane, Whetstone, Leicester, LE8 6LJ	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Address	Details	
A	151m NW	Camstone, Service Station, 16 Cambridge Road, Whetstone, Leicster, LE8 6LG	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
11	311m NW	Gec Alsthom Engineering, Cambridge Rd, Leicester, LE8 6LH	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m **7**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

Features are displayed on the Current industrial land use map on **page 34 >**

ID	Location	Address	Details	
9	249m W	Coherent Imaging Optics Ltd, 28 Ashville Way,whetstone, Leicester, LE8 6NU	Operator: Coherent Imaging Optics Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AC6913 Date of approval: 25/05/1994	Effective from: 25/05/1994 Last date of update: 01/01/2015 Status: Revoked/cancelled
H	301m SW	Units 28 & 29 Ashville Way, Whetstone, Leicester, LE8 6NU	Operator: CVI Laser Limited Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: CC1139 Date of approval: 10/06/2008	Effective from: - Last date of update: 01/01/2020 Status: Surrendered
H	301m SW	Units 28 & 29 Ashville Way, Whetstone, Leicester, LE8 6NU	Operator: CVI Laser Limited Type: - Permission number: LB3230DJ Date of approval: -	Effective from: - Last date of update: 01/01/2020 Status: Surrendered
H	301m SW	Units 28 & 29 Ashville Way, Whetstone, Leicester, LE8 6NU	Operator: CVI Laser Limited Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: CC1147 Date of approval: 10/06/2008	Effective from: - Last date of update: 01/01/2020 Status: Surrendered
I	315m SW	Coherent Imaging Optics Ltd, Unit 8, Ashville Way, Whetstone, Leicester, Leicestershire, LE8 6NU	Operator: Coherent Imaging Optics Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC6905 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
I	315m SW	Coherent Imaging Optics Ltd, Unit 8, Ashville Way, Whetstone, Leicester, Leicestershire, LE8 6NU	Operator: Coherent Imaging Optics Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC6905 Date of approval: 25/05/1994	Effective from: 27/06/1994 Last date of update: 01/01/2015 Status: Superseded By Variation
I	315m SW	Coherent Imaging Optics Ltd, Unit 8, Ashville Way, Whetstone, Leicester, Leicestershire, LE8 6NU	Operator: Coherent Imaging Optics Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC6905 Date of approval: 01/12/2003	Effective from: 01/01/2004 Last date of update: 01/01/2015 Status: Revoked/cancelled

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m **7**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 34 >**

ID	Location	Address	Details	
D	249m N	UNIT 28, ASHVILLE WAY, WHETSTONE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: T/50/08980/T Permit Version: 1 Receiving Water: WHETSTONE BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 30/03/1983 Effective Date: 30/03/1983 Revocation Date: 16/06/2011
10	300m N	WHETSTONE WORKS, CAMBRIDGE ROAD, WHETSTONE, LEICESTER, LEICESTERSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: T/50/10524/T Permit Version: 1 Receiving Water: WHETSTONE BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 13/11/1986 Effective Date: 13/11/1986 Revocation Date: 22/11/2011
J	409m SE	BRITISH ROAD SERVICES, WHETSTONE, WHETSTONE, LE8 3DY	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: T/50/03735/S Permit Version: 1 Receiving Water: WHETSTONE BROOK	Status: REVOKED - UNSPECIFIED Issue date: 01/05/1974 Effective Date: 01/05/1974 Revocation Date: 01/07/1991

ID	Location	Address	Details	
J	409m SE	THE DOG & GUN PUBLIC HOUSE, LUTTERWORTH ROAD, WHETSTONE, LEICESTERSHIRE, LEICESTERSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: T/50/45082/S Permit Version: 1 Receiving Water: WHETSTONE BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 06/02/1997 Effective Date: 06/02/1997 Revocation Date: -
K	470m N	AREAS OF BLABY/STM/EMERG O/F & SW, WHETSON/CAMBRIDGE ROAD, NARBOROUGH & COSBY SDW, NARBOROUGH PS, BLABY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/50/00459/O Permit Version: 1 Receiving Water: WHETSTONE BROOK/RIVER SOAR	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 04/12/1957 Effective Date: 04/12/1957 Revocation Date: 05/09/2002
K	470m N	AREAS OF BLABY/STM/EMERG O/F & SW, WHETSON/CAMBRIDGE ROAD, NARBOROUGH & COSBY SDW, NARBOROUGH PS, BLABY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/50/00459/O Permit Version: 2 Receiving Water: WHETSTONE BROOK/RIVER SOAR	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 04/12/1957 Effective Date: 06/09/2002 Revocation Date: -
13	497m N	WHETSTONE WORKS, CAMBRIDGE ROAD, WHETSTONE, LEICESTER, LEICESTERSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: T/50/10524/T Permit Version: 1 Receiving Water: WHETSTONE BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 13/11/1986 Effective Date: 13/11/1986 Revocation Date: 22/11/2011

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	**0**

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	2

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 34 >**

ID	Location	Details	
D	206m N	Incident Date: 26/09/2002 Incident Identification: 110968 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	224m N	Incident Date: 29/06/2003 Incident Identification: 169704 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

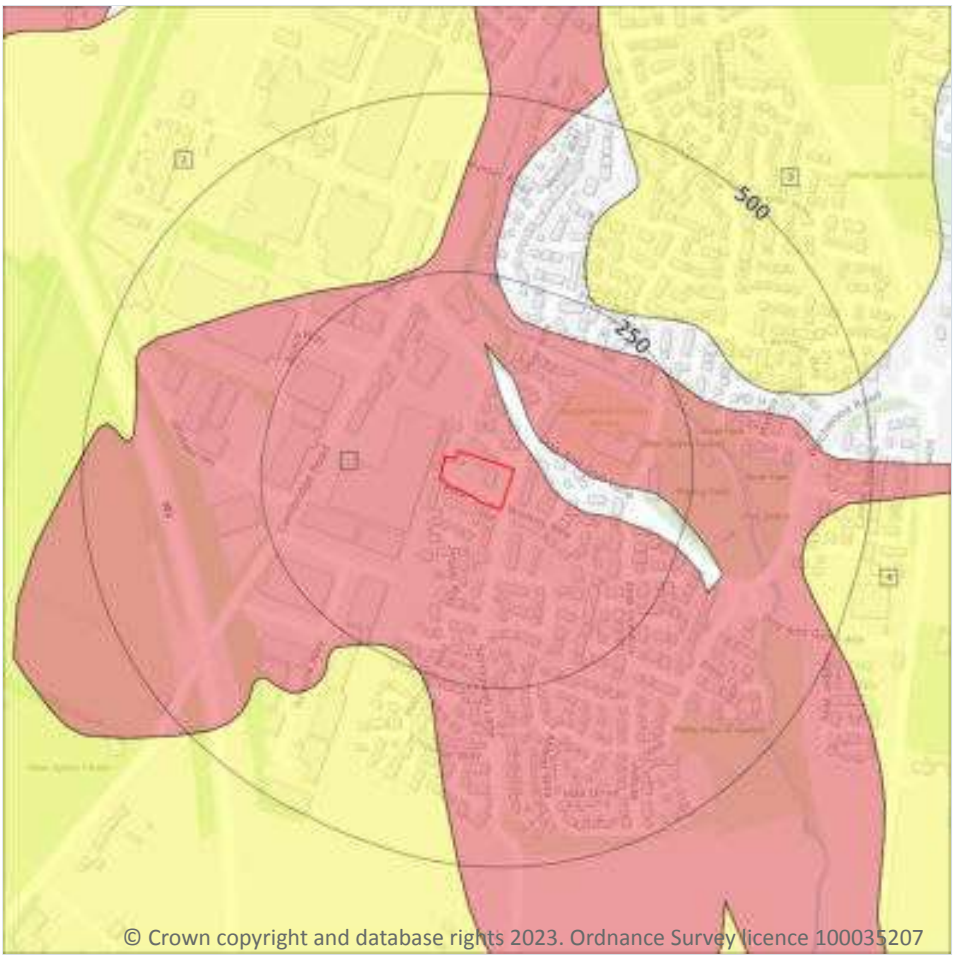
4.21 Pollution inventory radioactive waste

Records within 500m	0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

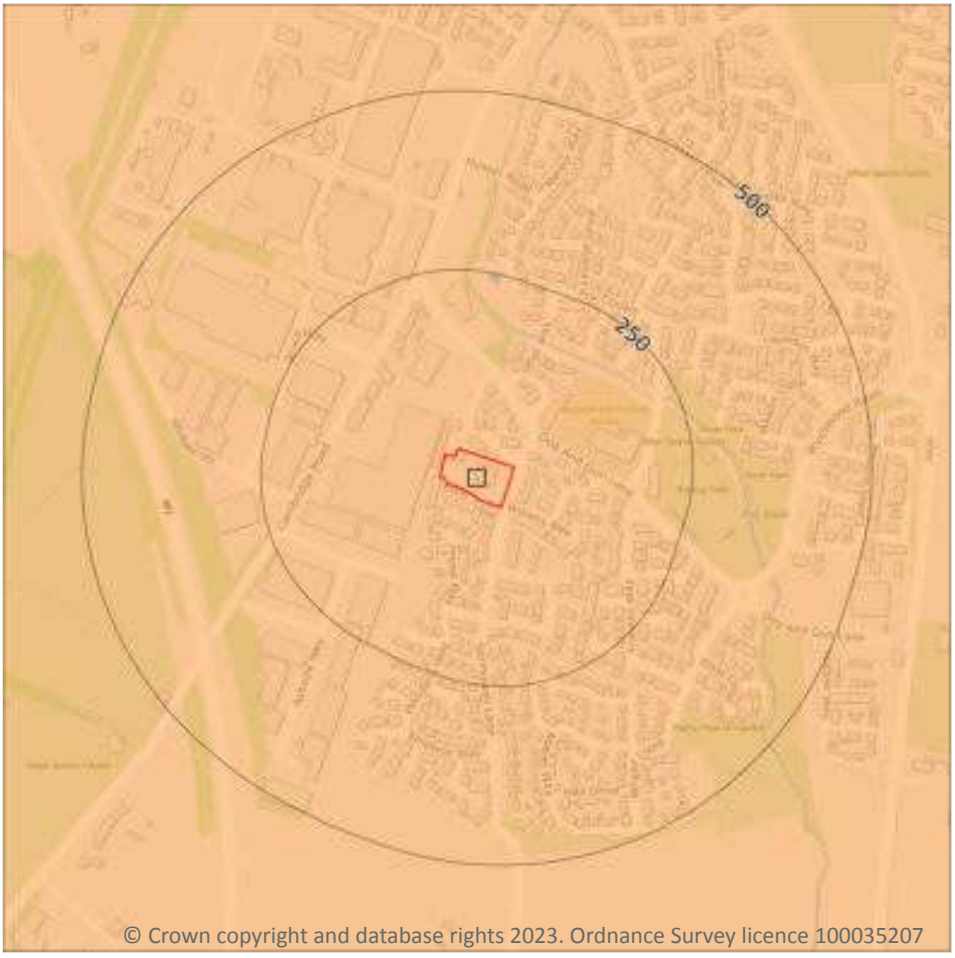
Features are displayed on the Hydrogeology map on **page 44 >**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	237m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	257m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	420m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	1

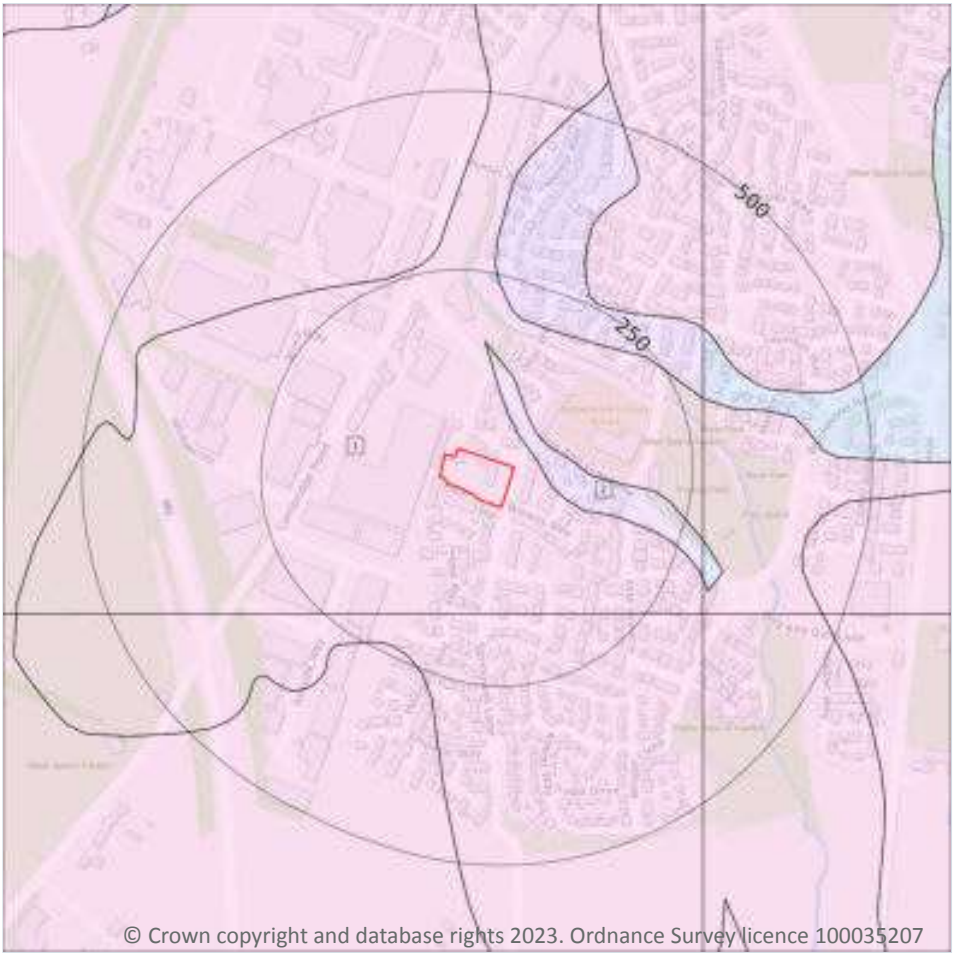
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 46 >**

ID	Location	Designation	Description
1	**On site**	**Secondary B**	**Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers**

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 47 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	31m E	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	**0**

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones

Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	4

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 49 >**

ID	Location	Details	
1	572m N	Status: Historical Licence No: 03/28/50/0110 Details: Non-Evaporative Cooling Direct Source: Groundwater Midlands Region Point: WHETSTONE WORKS - BOREHOLE Data Type: Point Name: ALSTEC LTD Easting: 455600 Northing: 296800	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 327.30 Original Application No: - Original Start Date: 06/10/1969 Expiry Date: - Issue No: 102 Version Start Date: 02/06/2006 Version End Date: -
-	1022m S	Status: Historical Licence No: 03/28/50/0139 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: CROSSWAYS FARM - BOREHOLE Data Type: Point Name: W A CURTIS & SONS Easting: 455630 Northing: 295130	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/12/2001 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 18/12/2001 Version End Date: -
-	1658m W	Status: Historical Licence No: 03/28/50/0017 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: COSBY SPINNEYS Data Type: Point Name: H PEPPER AND SONS Easting: 454000 Northing: 295900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 12/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -
-	1981m NW	Status: Historical Licence No: 03/28/50/0121 Details: Spray Irrigation - Direct Direct Source: Groundwater Midlands Region Point: THE GRANGE,NARBOROUGH - BOREHOLE Data Type: Point Name: NARBOROUGH & DIS BOWLING & SOCIAL Easting: 453990 Northing: 297320	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/11/1979 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	**0**

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	**3**

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 52 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	125m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	175m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Whetstone Brook
4	182m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Whetstone Brook

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**5**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 52 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	**1**

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 52 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Whetstone Brook Catchment (trib of River Soar)**	**GB104028046810**	**Soar River**	**Soar**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 52 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	178m NE	River	Whetstone Brook Catchment (trib of River Soar)	GB104028046810 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1

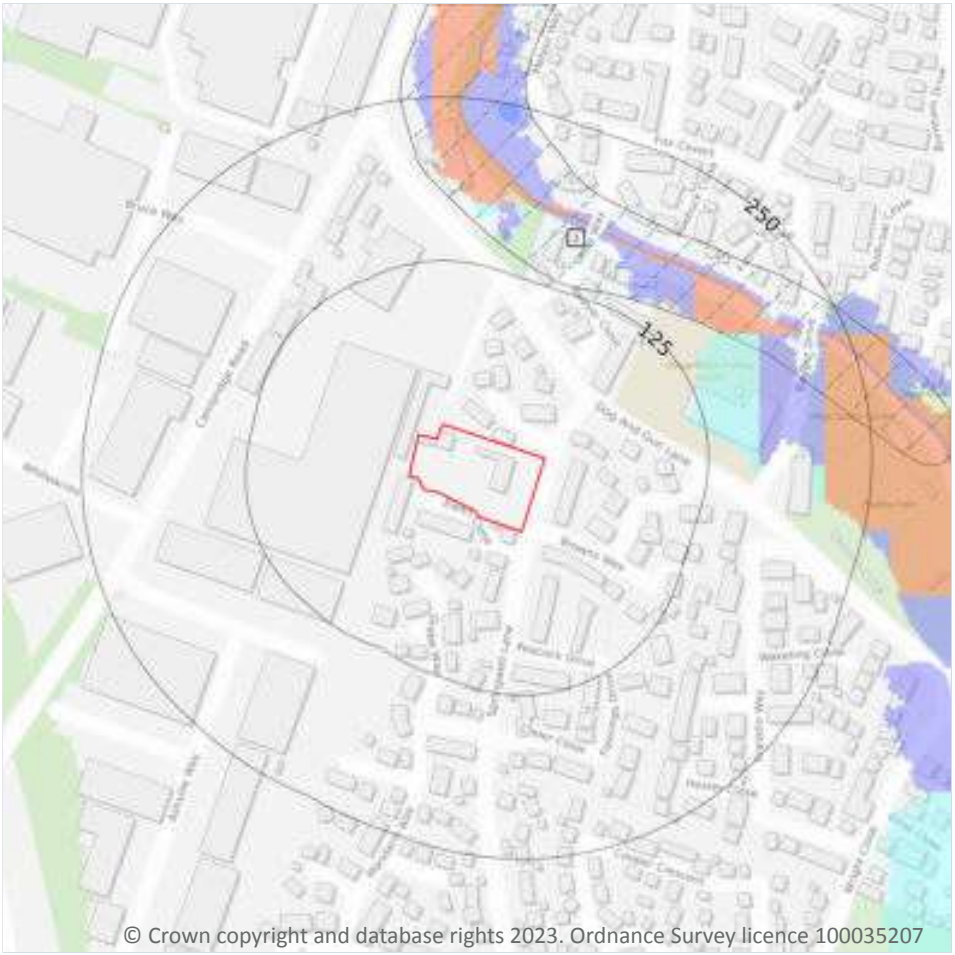
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 52 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	**On site**	**Soar - Secondary Combined**	**GB40402G990600 ↗**	**Good**	**Good**	**Good**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

High

Medium

Low

Very Low

Historical Flood Events

Areas Used for Flood Storage

Areas Benefiting from Flood Defences

Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	1

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 55 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
2	131m NE	Whetstone Brook 1977	1977-02-23 1977-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding

8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

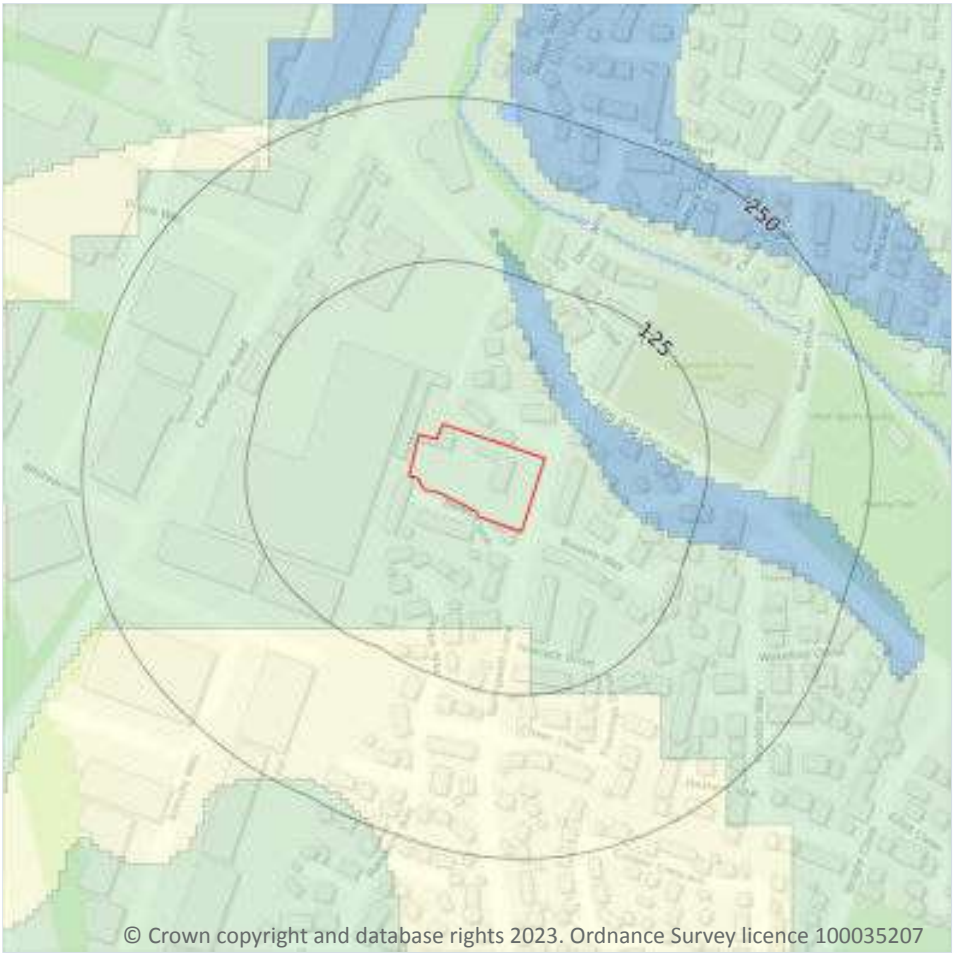
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

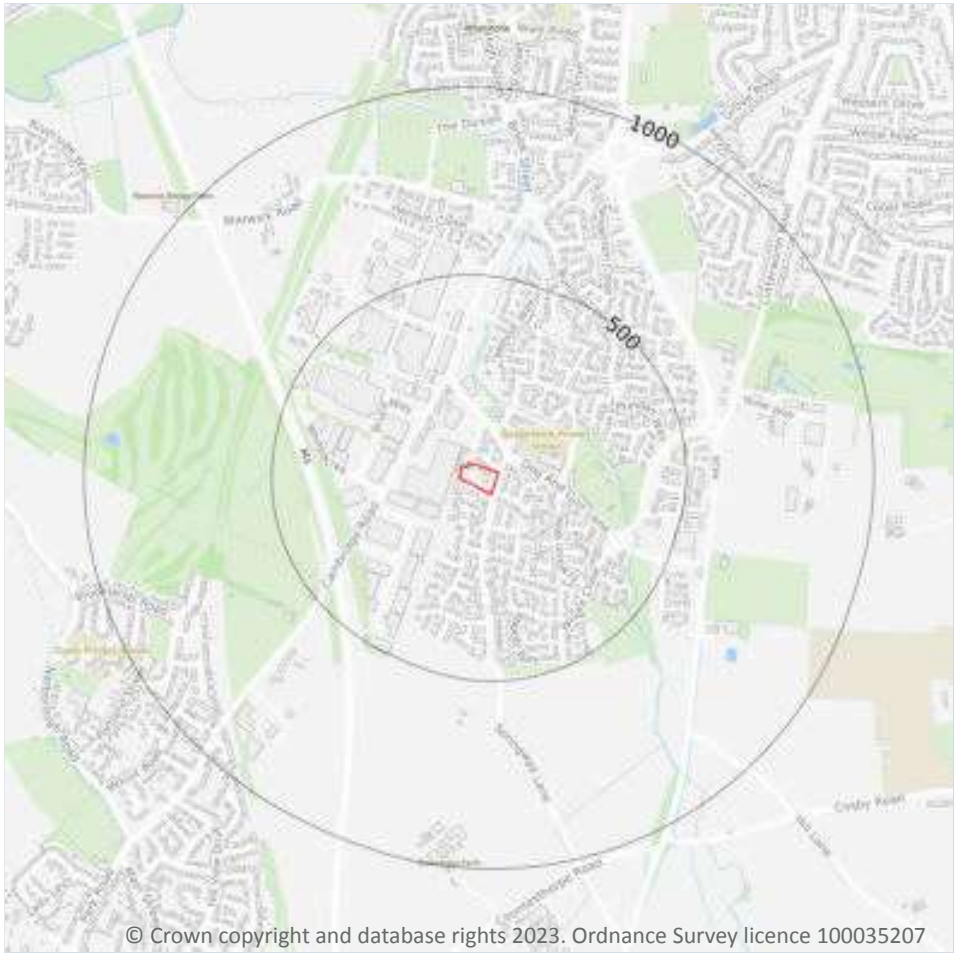
Highest risk on site	**Low**
Highest risk within 50m	**Low**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 59 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	2

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 60 >**

ID	Location	Name	Data source
-	1562m NW	Narborough Bog	Natural England

ID	Location	Name	Data source
-	1739m NW	Narborough Bog	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or ‘classified’) under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

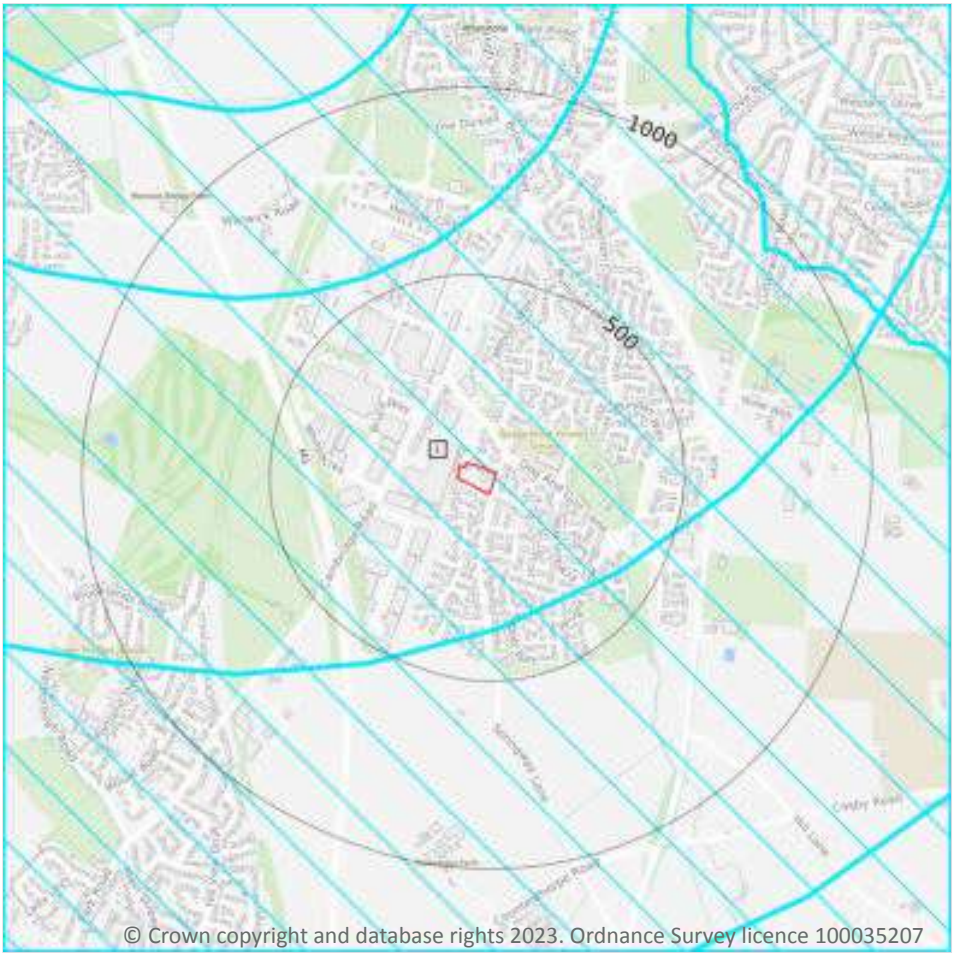
Records within 2000m	4

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**SOAR R NVZ**	**Surface Water**	**309**	**Existing**
167m S	SOAR R NVZ	Surface Water	309	Existing
1540m W	SOAR R NVZ	Surface Water	309	Existing
1555m W	SOAR R NVZ	Surface Water	309	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

Not recorded

Favourable

Unfavourable - Recovering

Unfavourable - No change

Unfavourable - Declining

Partially destroyed

Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 65 >**

ID	Location	Type of developments requiring consultation
1	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.** **Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.** **Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.** **Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas.** **Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).** **Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.** **Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.** **Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.** **Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.** **Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**3**

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 65 >**

ID:	-
Location:	1562m NW
SSSI name:	Narborough Bog
Unit name:	Fen (Swamp)
Broad habitat:	Fen, Marsh And Swamp - Lowland
Condition:	Unfavourable - Recovering
Reportable features:	

Feature name	Feature condition	Date of assessment
Lowland fens, including basin, flood-plain, open water transition and valley fens	Unfavourable - Recovering	08/07/2010

ID: -
Location: 1739m NW
SSSI name: Narborough Bog
Unit name: Meadow
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Upland neutral grassland (MG8)	Unfavourable - Recovering	08/07/2010

ID: -
Location: 1747m NW
SSSI name: Narborough Bog
Unit name: Willow Carr
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Wet woodland	Favourable	08/07/2010

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

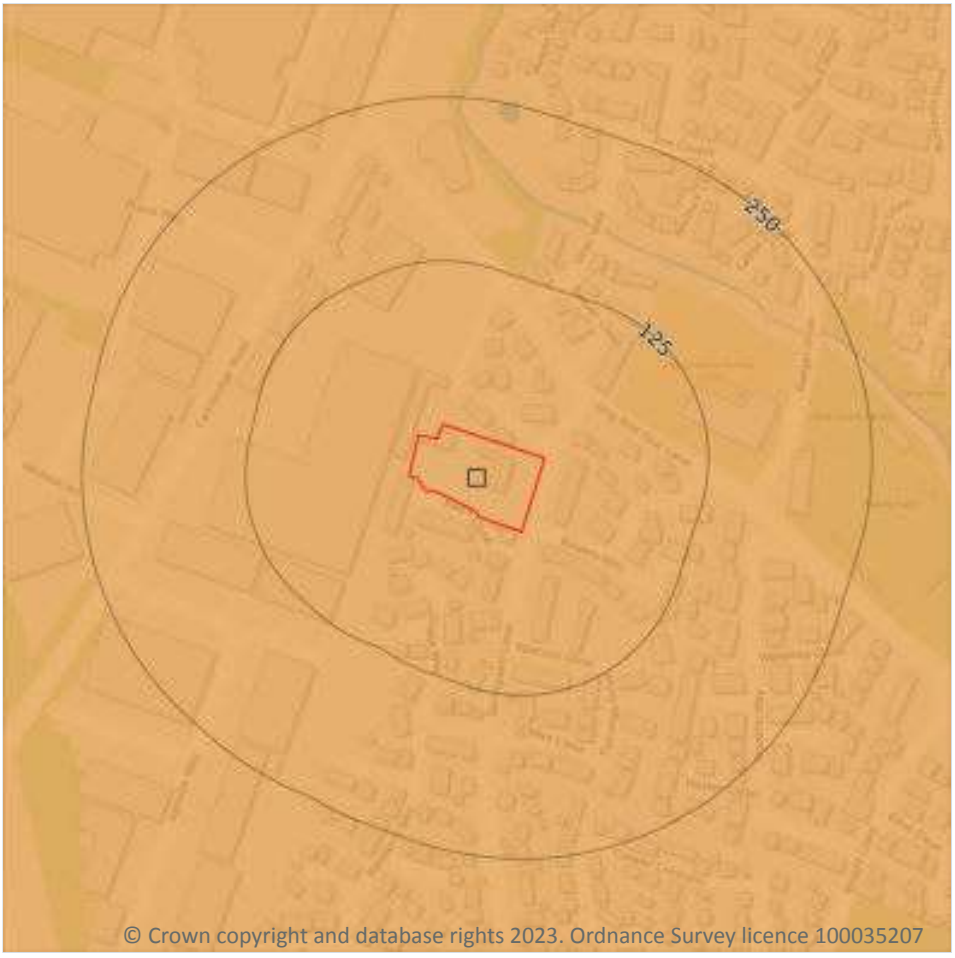
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 70 >**

ID	Location	Classification	Description
1	On site	Grade 3	**Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations

Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	1

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 72 >**

ID	Location	Main Habitat	Other habitats
1	133m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

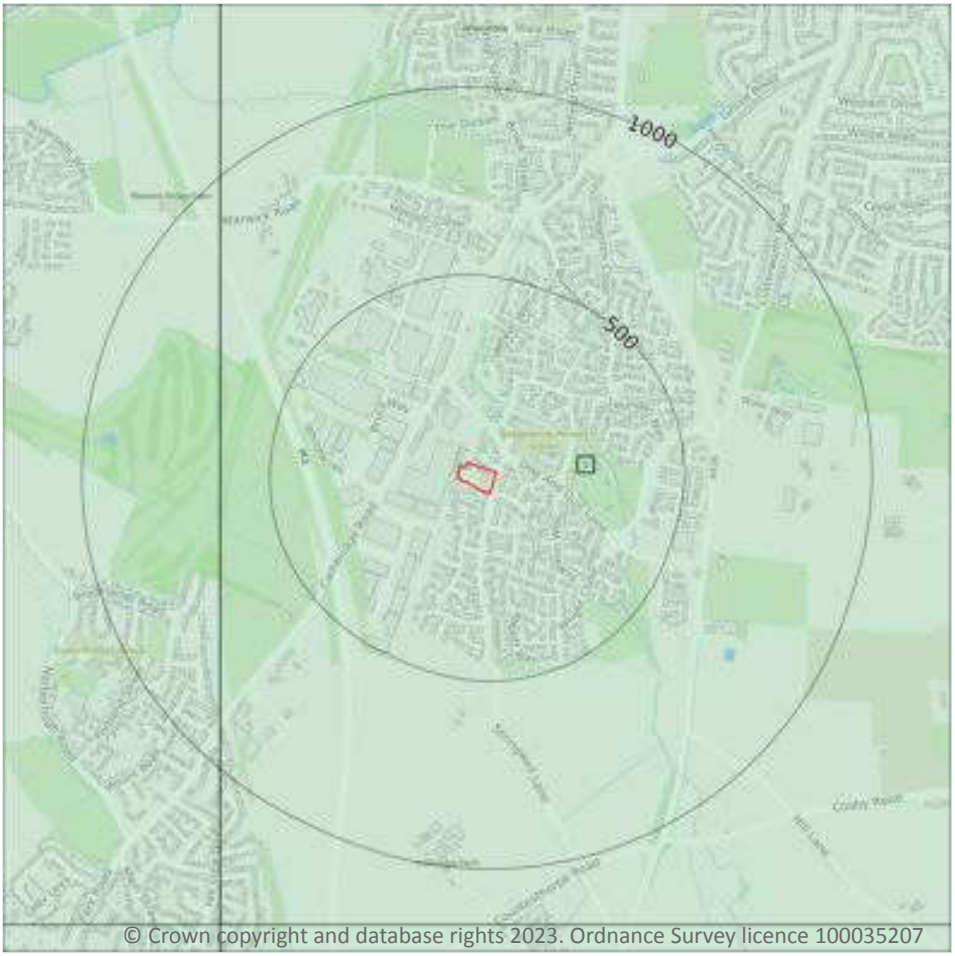
13.4 Limestone Pavement Orders

Records within 250m	0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	1

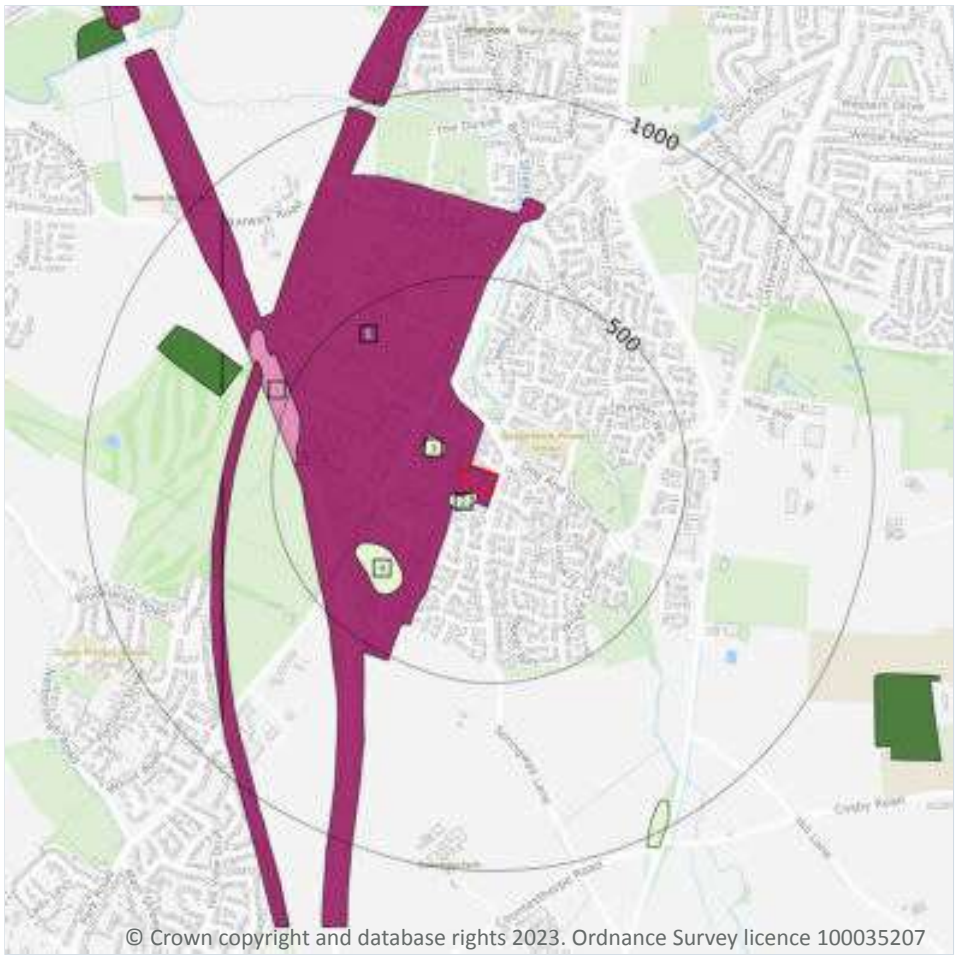
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 74 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SP59NE**

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground



Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m **5**

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

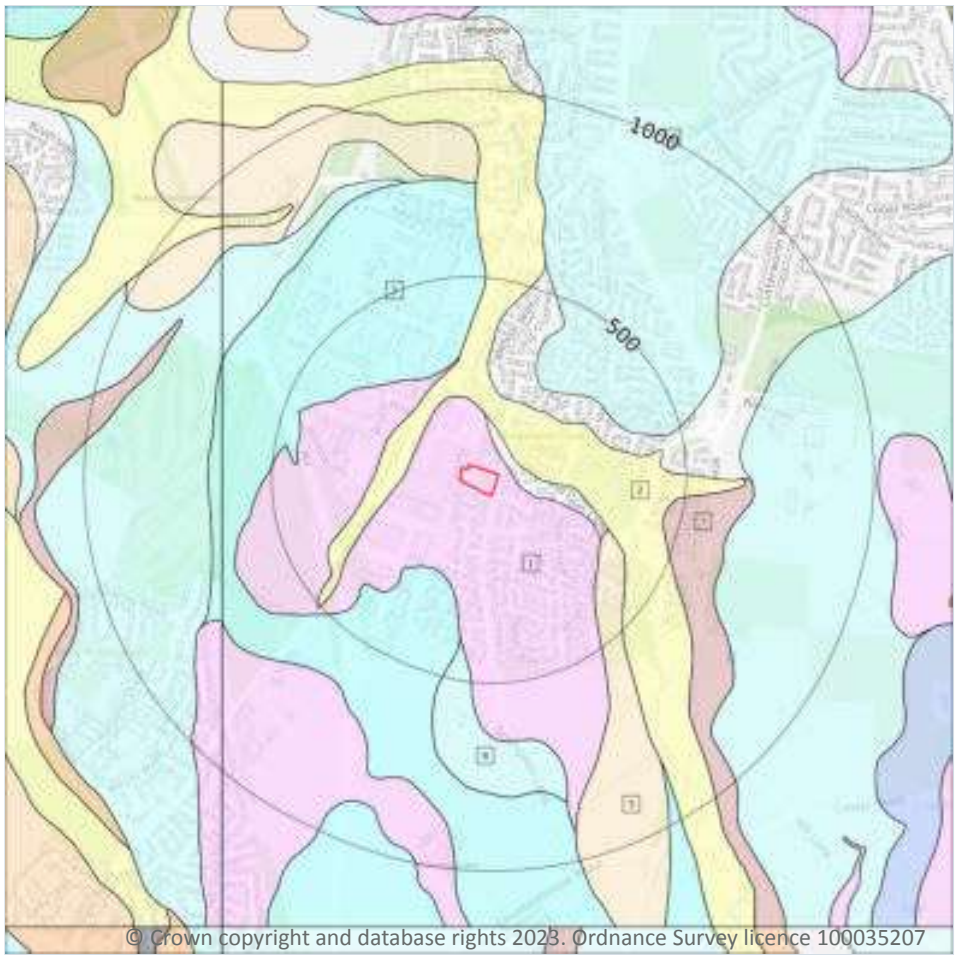
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 75 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
2	10m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	60m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	265m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	433m W	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m **7**

Superficial geological deposits at 1:10,000 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 1:10,000 scale - Superficial map on **page 77 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**GFDUA-XSV**	**Glaciofluvial Deposits, Anglian - Sand And Gravel**	**Sand And Gravel**
2	58m NE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	239m SW	ODT-DMTN	Oadby Member - Diamicton	Diamicton
4	259m NE	THT-DMTN	Thrussington Member - Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
5	313m SE	SYSG-XSV	Syston Member - Sand And Gravel	Sand And Gravel
6	390m S	THT-DMTN	Thrussington Member - Diamicton	Diamicton
7	455m E	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

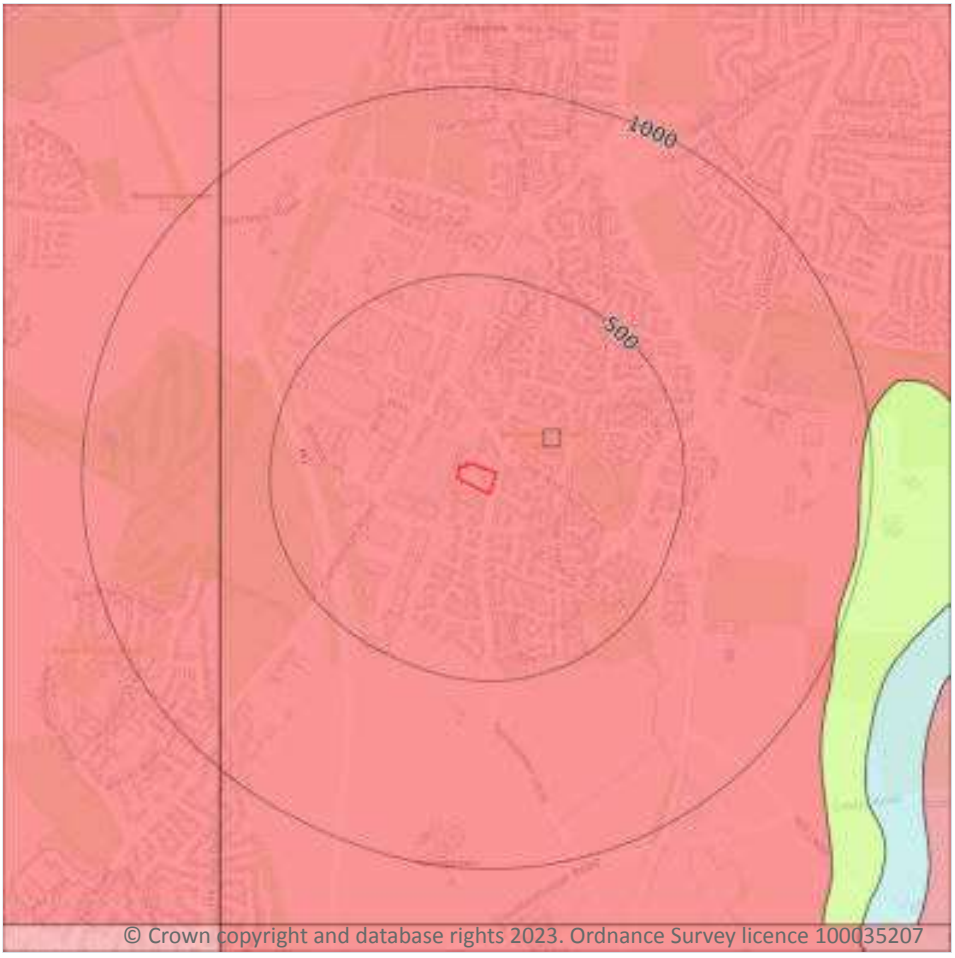
14.4 Landslip (10k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:10,000 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.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	1

Bedrock geology at 1:10,000 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 1:10,000 scale - Bedrock map on **page 79 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**BCMU-MDST**	**Branscombe Mudstone Formation - Mudstone**	**Rhaetian Age - Norian Age**

This data is sourced from the British Geological Survey.

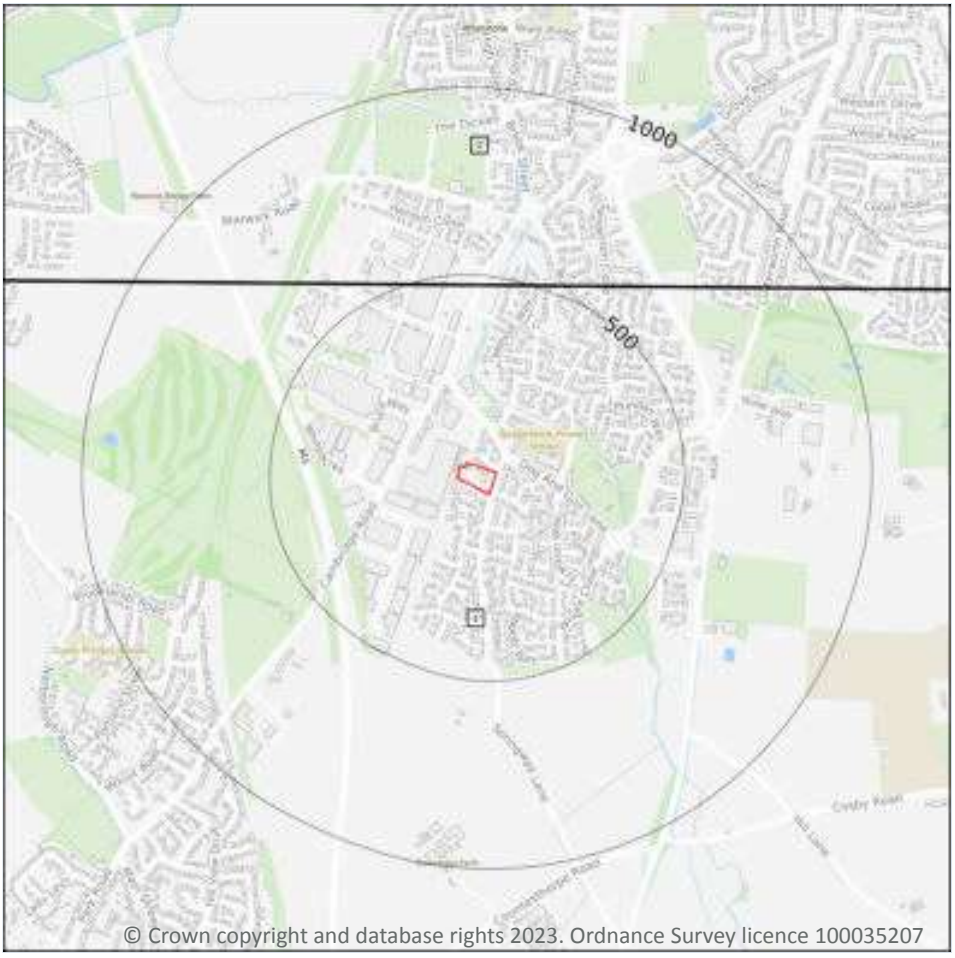
14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

Linear features at the ground or bedrock surface at 1:10,000 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.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	2

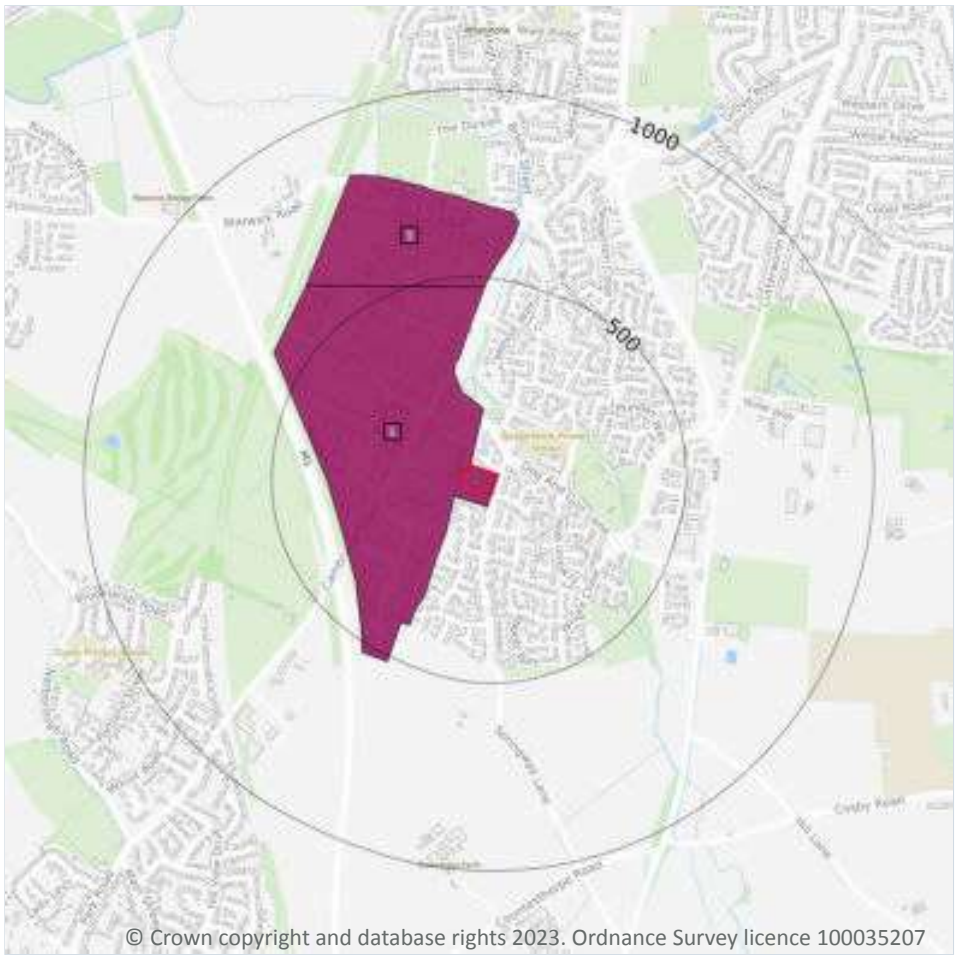
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 81 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW170_market_harborough_v4**
2	473m N	Full	Full	Full	No coverage	EW156_leicester_v4

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped 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 82 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**MADE GROUND (UNDIVIDED)**	**ARTIFICIAL DEPOSIT**
2	473m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

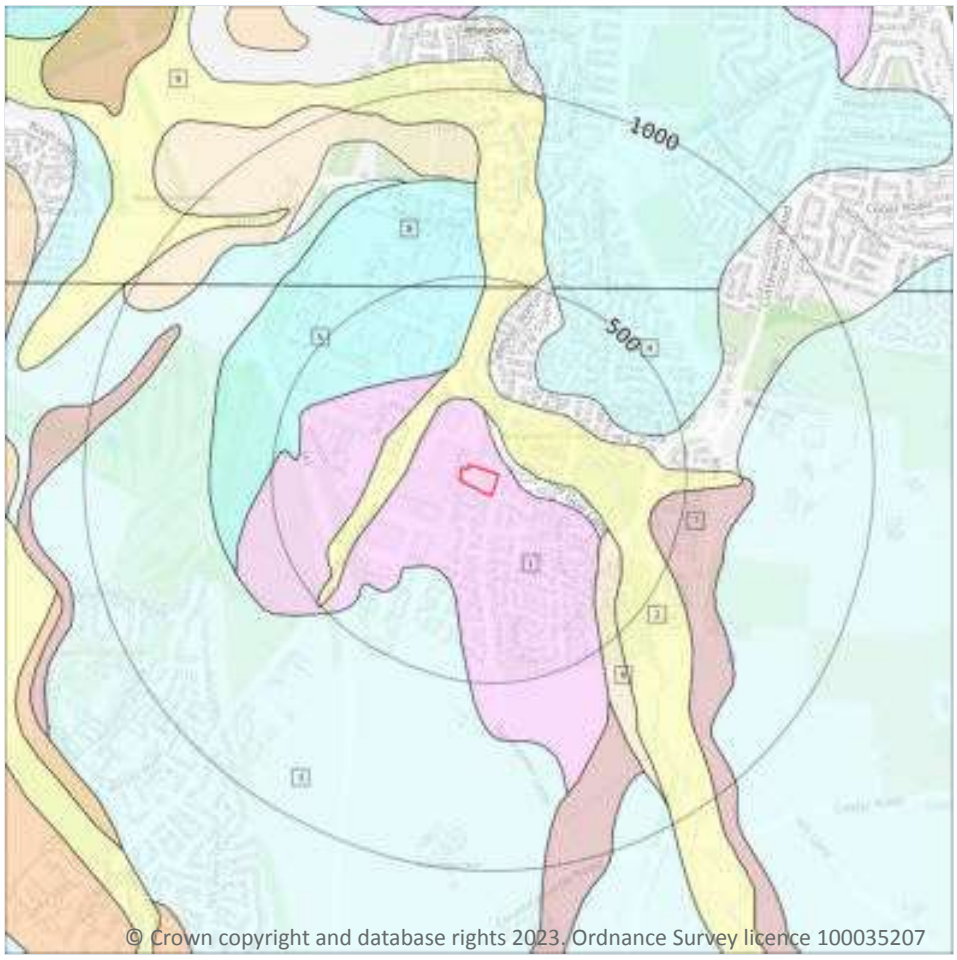
Records within 50m	1

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

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

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 **9**

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 84 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**GFDMP-XSV**	**GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE**	**SAND AND GRAVEL**
2	55m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	237m SW	TILMP-DMTN	TILL, MID PLEISTOCENE	DIAMICTON

ID	Location	LEX Code	Description	Rock description
4	257m NE	THT-DMTN	THRUSSINGTON MEMBER	DIAMICTON
5	257m NW	ODT-DMTN	OADBY MEMBER	DIAMICTON
6	311m SE	SYSG-XSV	SYSTON MEMBER	SAND AND GRAVEL
7	420m E	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
8	473m N	ODT-DMTN	OADBY MEMBER	DIAMICTON
9	474m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial 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 any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**Very High**	**High**

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **0**

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.

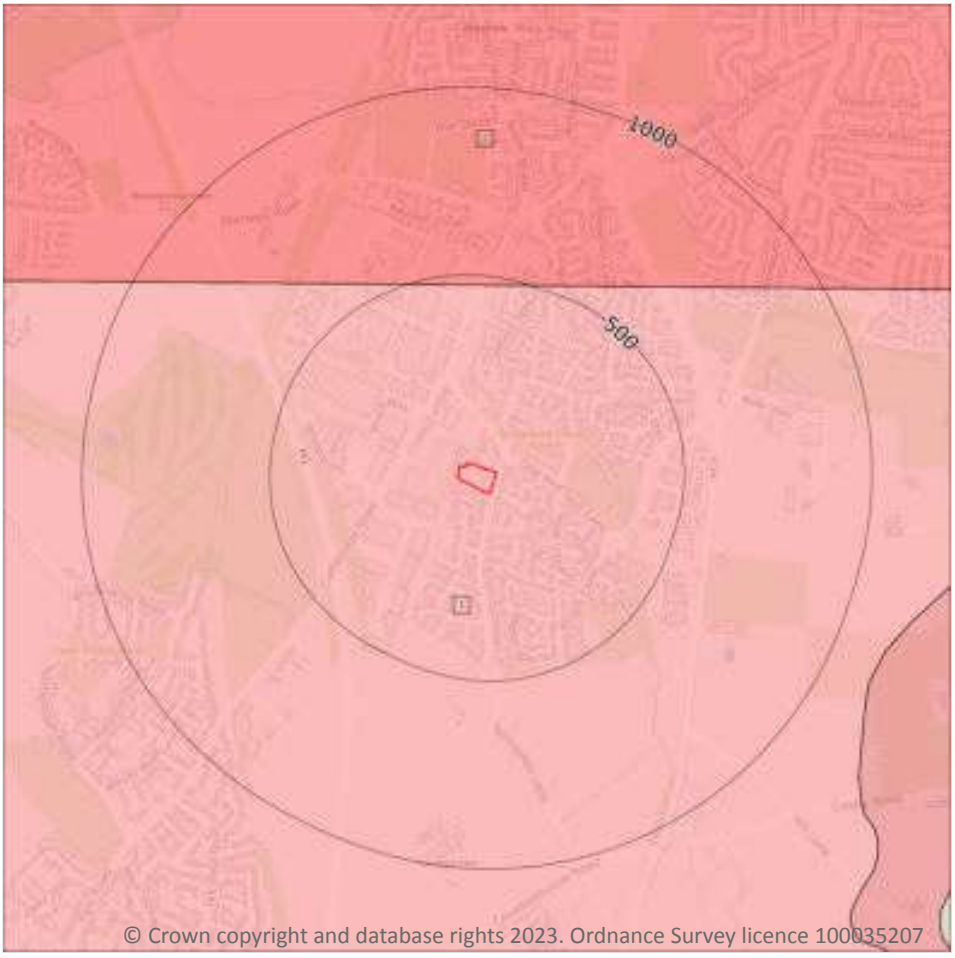
15.7 Landslip permeability (50k)

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 86 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**MMG-MDST**	**MERCIA MUDSTONE GROUP - MUDSTONE**	**-**
2	473m N	BCMU-MDST	BRANSCOMBE MUDSTONE FORMATION - MUDSTONE	NORIAN

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	**Fracture**	**Low**	**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

Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	8

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.

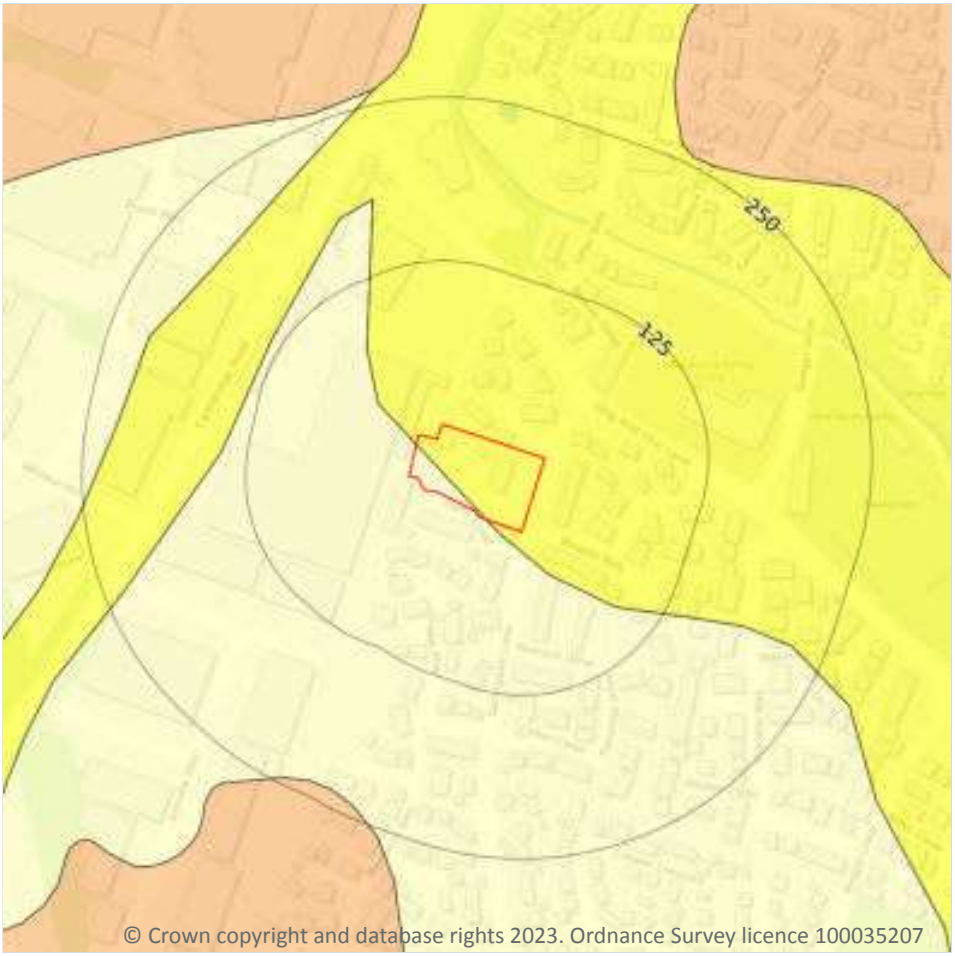
Features are displayed on the Boreholes map on **page 88 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	139m E	455875 296209	BADGERBROOK SCHOOL EXTENSION WHETSTONE LEICESTER WS2	1.7	N	19398714 ↗
A	143m E	455878 296218	BADGERBROOK SCHOOL EXTENSION WHETSTONE LEICESTER TPHP2	1.15	N	19398716 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	146m S	455620 296030	ELMS FARM CAMBRIDGE RD WHETSTONE 12	-	Y	N/A
A	151m E	455887 296206	BADGERBROOK SCHOOL EXTENSION WHETSTONE LEICESTER WS1	1.75	N	19398713 ↗
A	154m E	455890 296214	BADGERBROOK SCHOOL EXTENSION WHETSTONE LEICESTER TPHP1	1.12	N	19398715 ↗
2	165m SW	455520 296070	ELMS FARM CAMBRIDGE RD WHETSTONE 11	-	Y	N/A
3	189m S	455630 295980	ELMS FARM CAMBRIDGE RD WHETSTONE 3	-	Y	N/A
4	239m SW	455500 295990	ELMS FARM CAMBRIDGE RD WHETSTONE 2	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

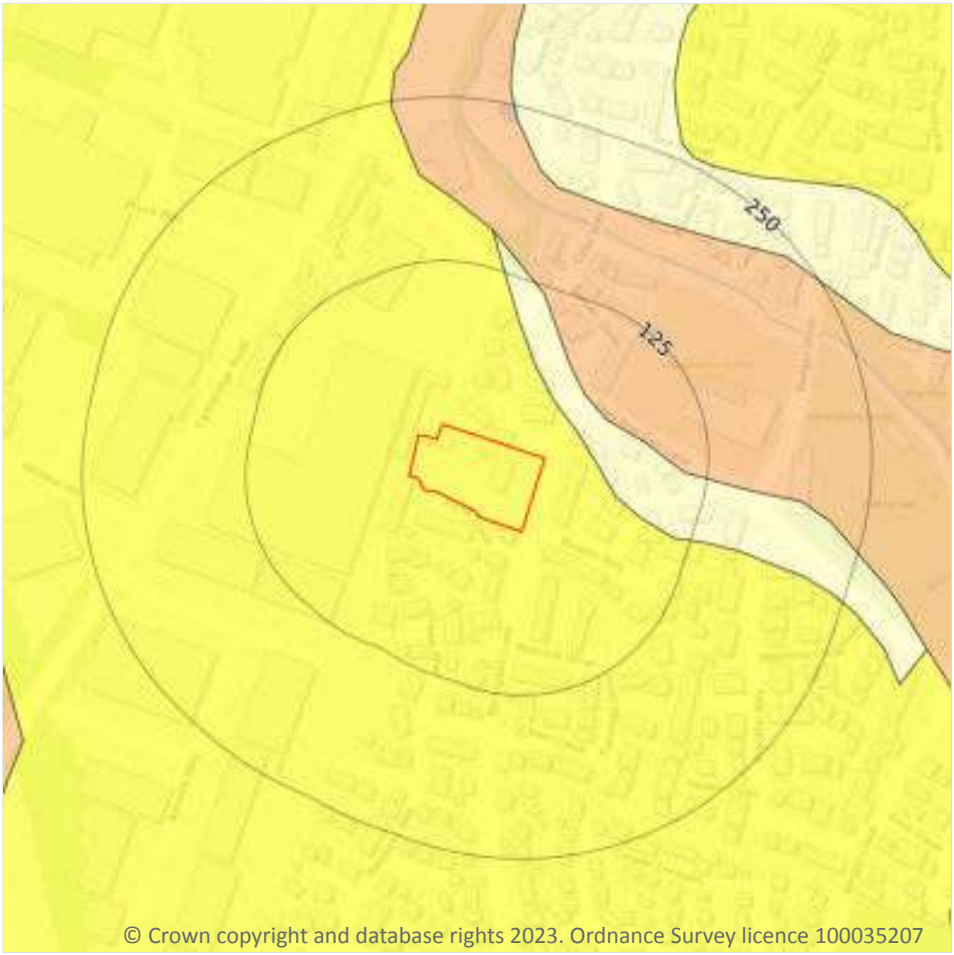
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 90 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low plasticity.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	2

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.

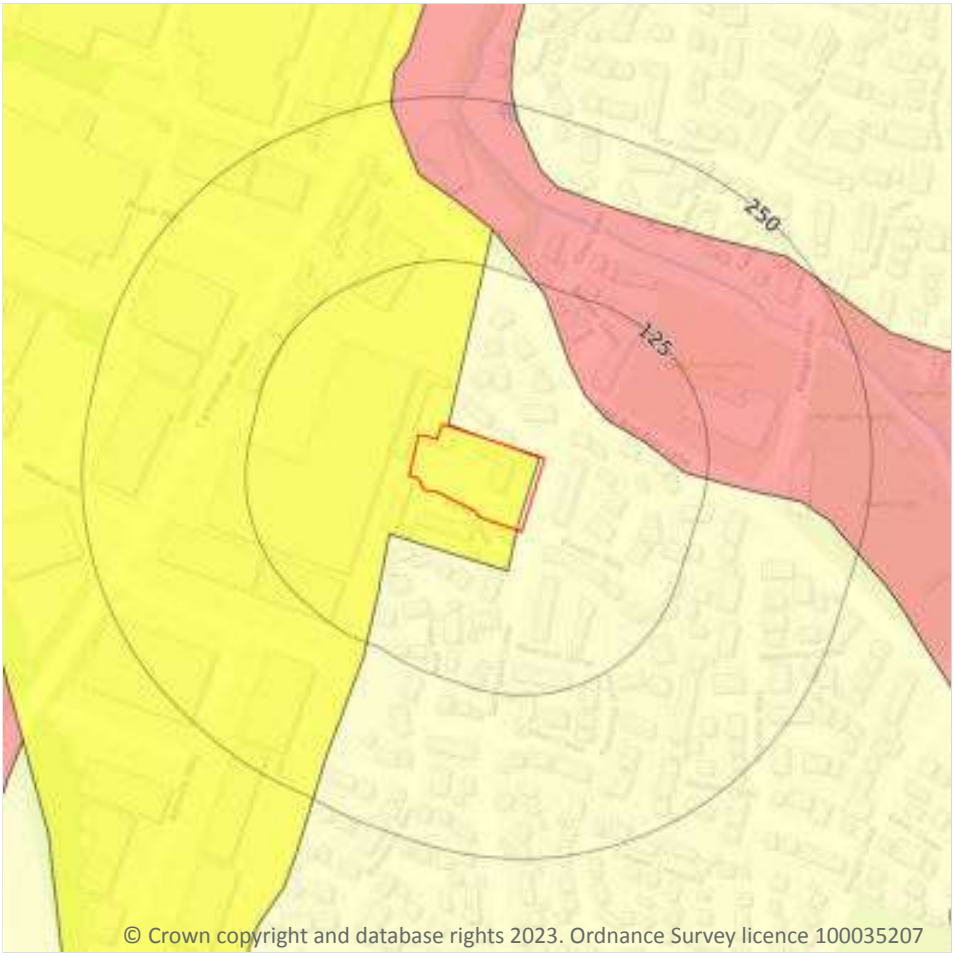
Features are displayed on the Natural ground subsidence - Running sands map on **page 91 >**

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.**

Location	Hazard rating	Details
32m E	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.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

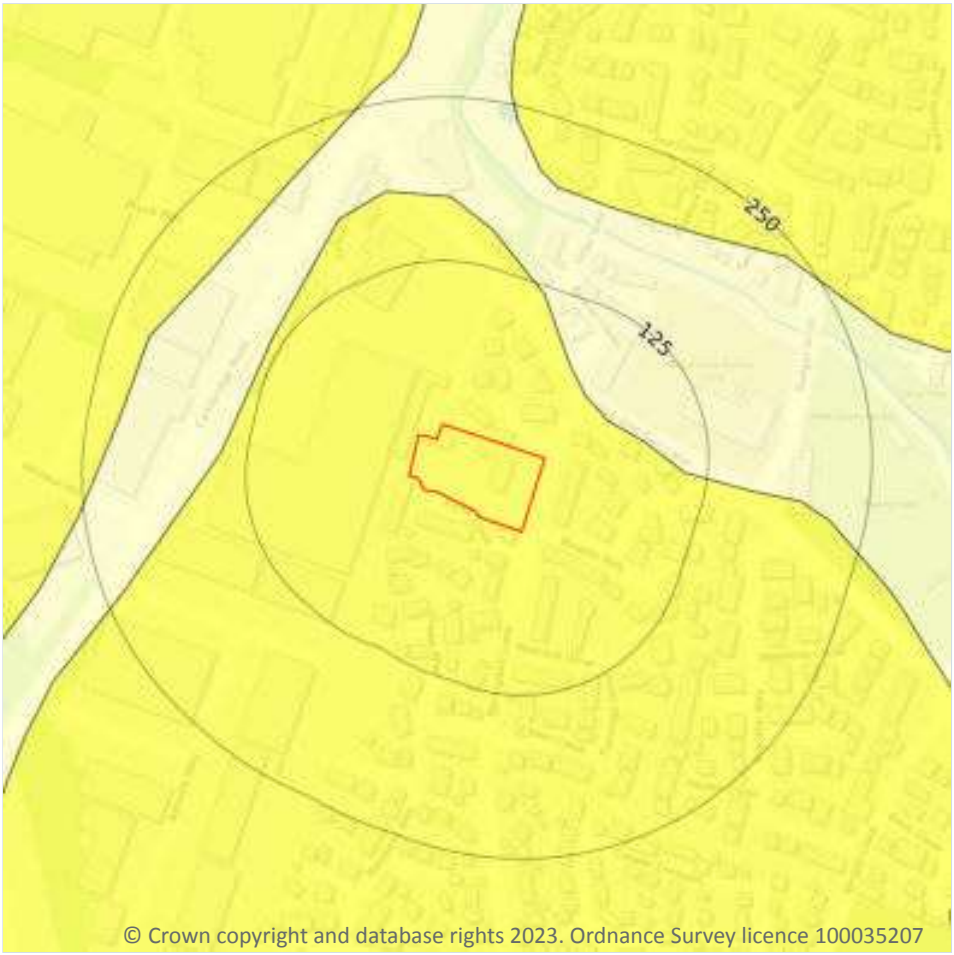
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 93 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Very low**	**Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

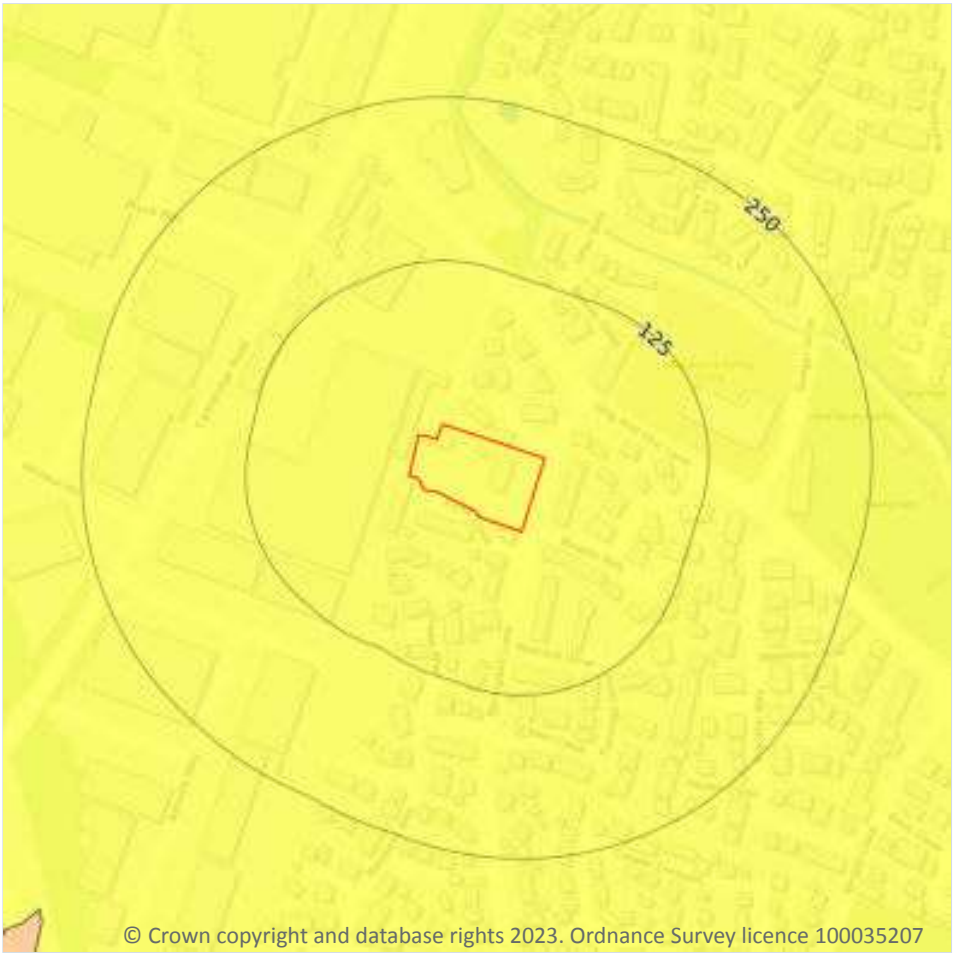
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 95 >**

Location	Hazard rating	Details
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

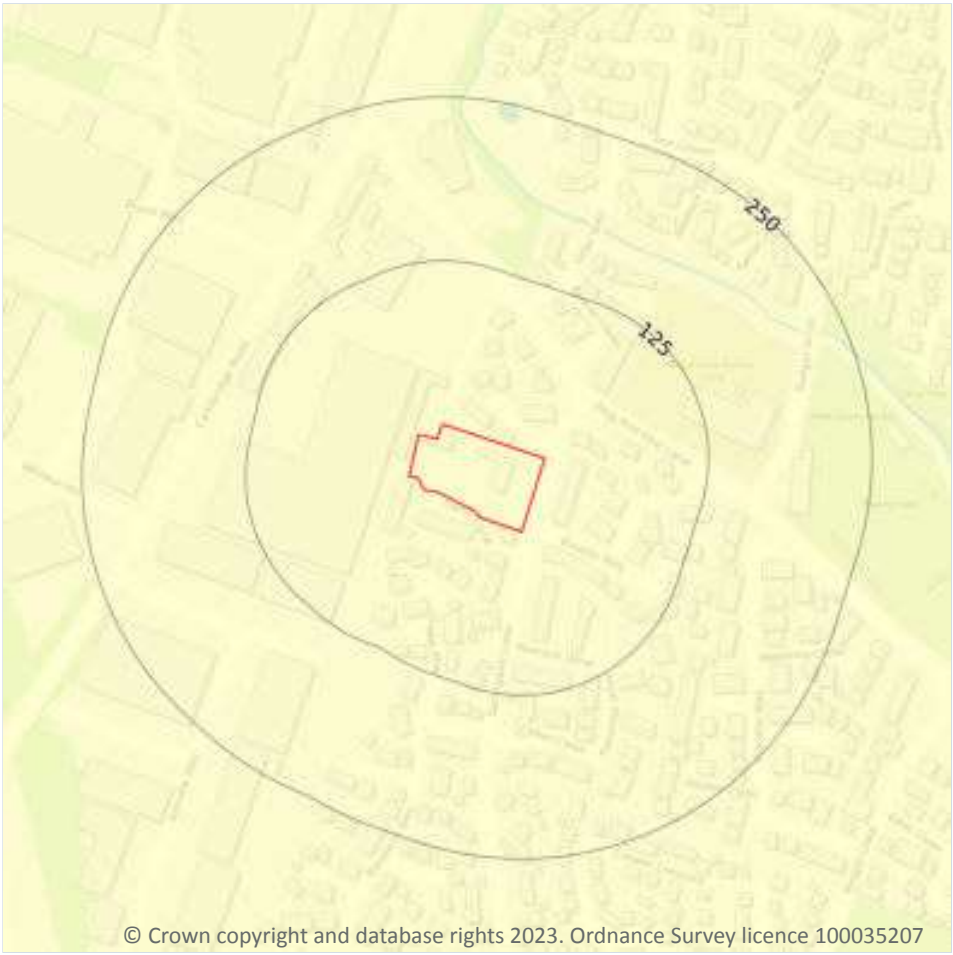
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 96 >**

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



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

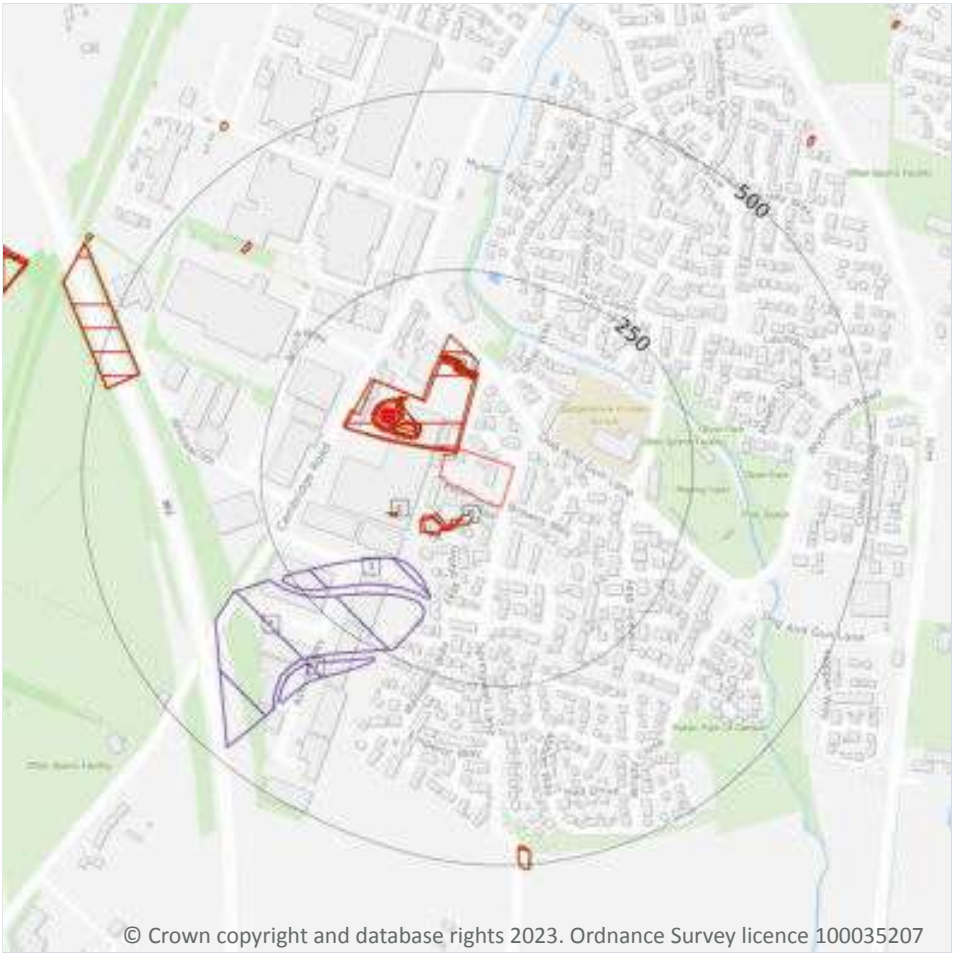
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 97 >**

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 and ground workings



Site Outline

Search buffers in metres (m)

BritPits

Surface ground workings

Underground workings

Underground mining extents

Historical mineral planning areas

TCA non-coal mining

Non Coal Mining

Sporadic underground mining of restricted extent possible

Localised small scale underground mining possible

Small scale mining possible

Underground mining known or likely within or in close proximity

Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	1

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 and ground workings map on **page 99 >**

ID	Location	Details	Description
A	96m NW	Name: Whetstone Brick Yard Address: Wnetstone, LEICESTER, Leicestershire Commodity: Clay & Shale 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.

18.2 Surface ground workings

Records within 250m	**25**

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 and ground workings map on **page 99 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Brick Works**	**1902**	**1:10560**
A	3m NW	Brick Yard	1885	1:10560
B	26m S	Pond	1950	1:10560
B	37m SW	Old Clay Pits	1885	1:10560
B	43m SW	Unspecified Ground Workings	1950	1:10560
A	44m NW	Pond	1928	1:10560
A	45m NW	Unspecified Pit	1954	1:10560
A	48m NW	Unspecified Ground Workings	1938	1:10560
A	48m NW	Unspecified Ground Workings	1950	1:10560
A	48m NW	Unspecified Ground Workings	1902	1:10560
B	50m SW	Pond	1950	1:10560
B	50m SW	Pond	1902	1:10560
A	50m NW	Pond	1919	1:10560
A	59m NW	Unspecified Ground Workings	1885	1:10560
C	78m SW	Pond	1950	1:10560
C	78m SW	Pond	1902	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
A	78m NW	Pond	1954	1:10560
A	80m NW	Pond	1902	1:10560
A	80m NW	Pond	1938	1:10560
A	80m NW	Pond	1950	1:10560
D	99m N	Unspecified Ground Workings	1950	1:10560
D	99m N	Unspecified Ground Workings	1928	1:10560
D	100m N	Unspecified Ground Workings	1954	1:10560
D	102m N	Unspecified Ground Workings	1938	1:10560
D	106m N	Unspecified Ground Workings	1885	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 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.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	3

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 and ground workings map on **page 99 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
1	124m SW	Elms Farm	Sand	Surface mineral working	Refused	16/12/60
2	166m SW	Elms Farm	Sand	Surface mineral working	Valid	16/12/60
3	264m SW	Elms Farm	Sand	Surface mineral working	Refused	16/12/60

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

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).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 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.

18.13 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.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 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 Ground cavities and sinkholes

19.1 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 Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

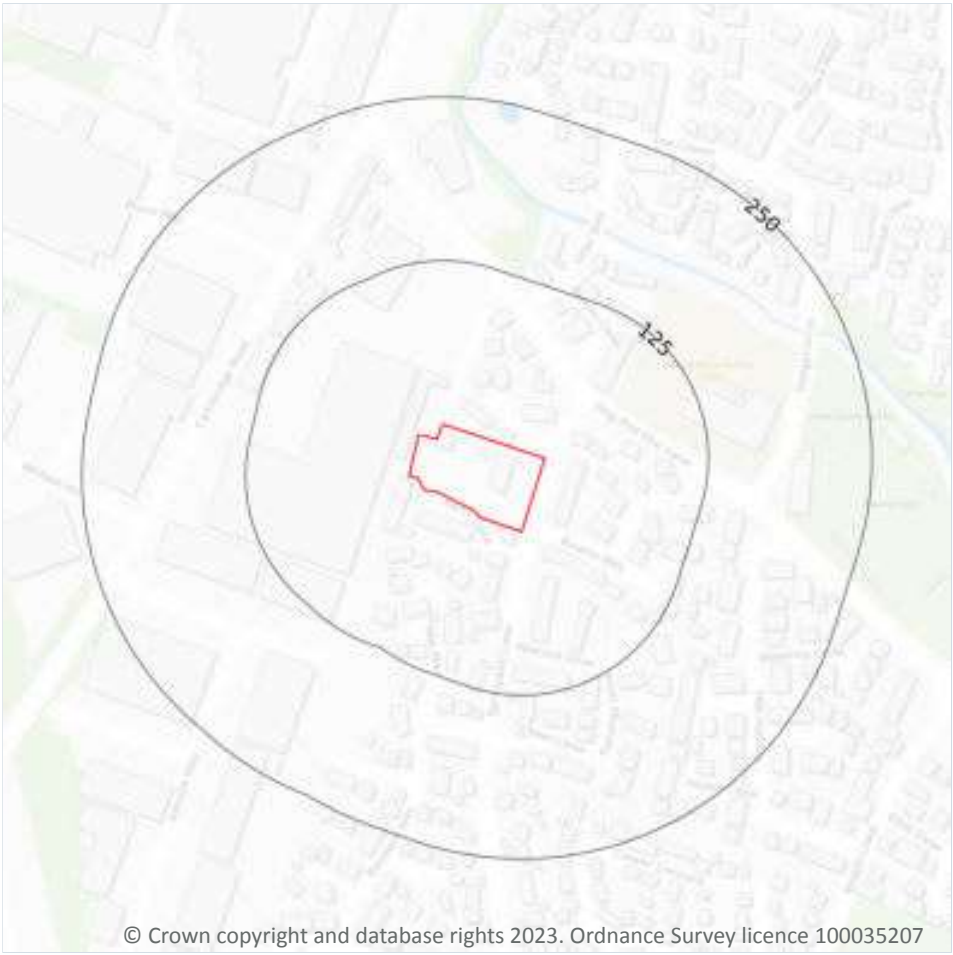
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.

20 Radon



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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 107 >**

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 km^2. 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^2; 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 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
48m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	7

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^2).

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**9**	**1.6**	**321**	**221**	**0.7**	**62**	**105**	**20**	**21**
On site	**9**	**1.6**	**308**	**212**	**0.7**	**63**	**86**	**20**	**18**
On site	**9**	**1.6**	**339**	**233**	**1.6**	**64**	**150**	**20**	**81**
On site	**9**	**1.6**	**298**	**205**	**1.7**	**64**	**133**	**21**	**58**
32m W	8	1.4	327	225	0.7	59	101	18	18
33m W	8	1.4	387	266	0.8	60	127	19	22
49m S	9	1.6	347	238	1.6	63	151	20	85

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 km^2.

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 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.

22.9 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.

22.10 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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