



**PROPOSED RESIDENTIAL DEVELOPMENT
LAND AT BRICK KILN STREET, HINCKLEY**

PHASE I GEO-ENVIRONMENTAL DESK STUDY

OCTOBER 2020

REPORT REF: 25845-04-DS-01



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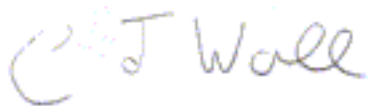
REPORT REF: 25845-04-DS-01

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EXECUTIVE SUMMARY

Site Address	Land at Brick Kiln Street, Hinckley, LE10 0NA
Proposed Development	Proposed residential development
Site Description and Setting	The site comprises an area of car parking for the adjacent Cadent Gas offices. Two buildings with suspected asbestos roofing are located in the south-east. Vegetated slopes border the south and east of the site. A slight hydrocarbon odour was noted in the area by the rock salt store. Monitoring wells were identified within the site and may be associated with the previous remediation of the Hinckley Gas Works.
Site History	The site originally comprised open fields and later allotment gardens and became a depot/car park by 1975 with a club building located in the west between 1993 and 2006. The Hinckley Gas Works was located to the south-east from 1889 until 1971 and was gradually demolished and remediated after this time. The existing Cadent Office buildings were constructed between 1975 and 1987. Other key features include a Dye works 100m to the south-east (1903-1971) and a refuse tip immediately to the south (1971) and a works 250m to the south (1980-2015).
Ground Conditions	Superficial deposits of the Bosworth Clay Member underlie the majority of the site, with glaciofluvial deposits mapped in the east. The bedrock comprises the Mercia Mudstone Group.
Hydrogeology	The Bosworth Clay Member deposits are classed as Unproductive Strata and the glaciofluvial deposits are classed as a Secondary (A) Aquifer. The Mercia Mudstone Group is classed as a Secondary (B) Aquifer. The site is not located within a groundwater Source Protection Zone (SPZ). There are several active groundwater abstractions to the south, relating to abstraction for remediation by Celtic Technologies Ltd.
Surface Water	The nearest surface water receptor is Battling Brook (80m north-west).
Environmental Appraisal	The risk to human health is considered to be moderate, with the principal risk driver being the potential migration of contamination from the former gas works to the south. The extent of contamination migration will likely be restricted by the presence of the cohesive Bosworth Clay Member and the level of remediation carried out to facilitate construction of the Cadent Offices. If contamination is identified, remediation may be required. Vapour protection measures may be necessary if hydrocarbon contamination is encountered.
Geotechnical Setting	Traditional strip/trench fill foundations are likely to be appropriate but will be dictated by the potential compressibility of the Bosworth Clay Member. Deepening of foundations or an alternative foundation strategy may be required. Suspended ground floor slabs may be required given the likely presence of Made Ground and the potential requirement for ground gas or vapour protection. Soakaway drainage is unlikely to be feasible for the majority of the site given the anticipated predominance of cohesive strata but may be feasible in the east where granular strata are encountered
Recommendations	The following further works are recommended to support the proposed development: • A Phase II Ground Investigation including dynamic sampling and ground gas/ vapour monitoring. • An inspection of the two buildings in the south-east by an asbestos specialist. Any identified asbestos containing materials should be appropriately removed and disposed of. • The appointment of a suitably experienced and qualified accountant to assist in any application for Brownfield Remediation Tax Relief. A copy of this report should be provided to the local authority for comment.
This summary should be read in conjunction with the full report and reflects an assessment of the site based on information received by M-EC at the time of production.	

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1.0 INTRODUCTION

Commission

- 1.1 M-EC Consulting Development Engineers (M-EC) was commissioned by Fisher German LLP (The Client) to undertake a Phase I Geo-environmental Desk Study at land off Brick Kiln Street, Hinckley, LE10 0NA. A site location plan is presented in Appendix A.
- 1.2 No third-party liability or duty of care is extended. Third parties using information contained in this report do so at their own risk.
- 1.3 It is understood that the existing Cadent Office blocks adjacent to the site are to be demolished to form a new car park and the existing car parking area is being considered for residential development.

Objectives

- 1.4 This report has been completed to present pertinent information regarding the environmental risks and liabilities associated with the site. It has been completed to fulfil the requirements of a preliminary risk assessment in accordance with BS10175: 2011 'Investigation of Potentially Contaminated Sites Code of Practice' and CLR11 'Model Procedures for the Management of Contaminated Land'. The objectives of the report are:
- To assess historical activities at the site with respect to their potential impact on the site environment;
 - To characterise the environmental setting of the site, identify migration pathways and receptors vulnerable to contamination, focusing on potential soil and groundwater liabilities;
 - To assess historical and current surrounding land use in relation to known or potential off-site contamination issues that may impact the subject property;
 - To review existing site investigation and remediation information available for the site;
 - To develop a preliminary Conceptual Site Model (CSM);
 - To assess potential environmental liabilities associated with the site; and
 - To assess potential geotechnical constraints to the proposed development.
- 1.5 This report has been commissioned in order to support submission of a planning application for the proposed development and to establish requirements in terms of remediation and construction of foundations, floor slabs and infrastructure.

Scope of Works

1.6 The scope of works for this assessment includes:

- A site visit to inspect the current condition of the site at ground surface and to take photographs (Appendix B);
- Review of the following information:
 - Historical Ordnance Survey Mapping (Appendix C);
 - Environmental reports that include but are not restricted to the following data: environmental and hydrological, waste, hazardous substances register, geological, industrial and sensitive land uses and pollution incidents; (Appendix D);
 - British Geological Survey (BGS) online GeoIndex and borehole logs;
 - Zetica – regional unexploded bomb risk maps (www.zetica.com);
 - Environment Agency website (www.environment-agency.gov.uk).
- Provision of a summary of key geo-environmental factors that may require further ground assessment in order to control the identified risks; and
- Production of a Geo-environmental Desk Study (this report) providing qualitative contamination and geotechnical risk assessments and a review of potential constraints to the proposed development.

Limitations

1.7 This report has been prepared for Fisher German LLP and their appointed agents only and should not be relied upon by any third party without the written permission of M-EC. This report should be read in its entirety, including all associated drawings and appendices. M-EC cannot be held responsible for any misinterpretations arising from the use of extracts of this report that are taken out of context. The findings and opinions conveyed are based on information obtained from a variety of sources as detailed within this report and which M-EC believes are reliable. All reasonable care and skill have been applied in examining the information obtained, nevertheless M-EC cannot and does not guarantee the authenticity or reliability of the information it has relied upon from external sources.

2.0 SITE SETTING AND DESCRIPTION

Site and Setting A walkover survey of the site was carried out on 9 th October 2020. A plan detailing identified site features is included in Appendix A.	
Site Address	Brick Kiln Street, Hinckley, LE10 0NA
National Grid Coordinates	442082, 293867
Site Description	The site comprises an area of car parking, covering approximately 3 ha and currently used by employees of the adjacent offices of Cadent Gas. Site-surfacing comprises bituminous hardstanding and gravel with landscaped areas along western, northern and eastern boundaries. Two buildings were identified in the south-east of the site and observed to contain suspected cement bound asbestos roofing. A compressed gas storage area was identified adjacent to one of these buildings and a series of generators are located close to the eastern site boundary. A rock salt store was identified close to the western site boundary near to the ramp to the car park. At the time of the walkover, a slight hydrocarbon odour was noted in this area. The site is relatively evenly graded; however, a vegetated slope separates the site from the adjacent office building to the south which is at a higher level. Further slopes run along the eastern boundary, separating the site from adjacent residential properties. Monitoring wells were identified on-site and may be associated with previous remedial works carried out on the Hinckley Gas Works. Mature trees are located along the western, northern and eastern site boundaries.
Historical Review The site history has been assessed by reviewing 1: 2,500 and 1: 10,000 scale historical Ordnance Survey maps provided by Groundsure (Appendix C). A summary of the history of the site and surroundings is provided below.	
On-site Historical Summary	The earliest mapping inspected, dating from 1889 indicates that the site comprised several open fields at this time. By 1924, part of the site comprised allotment gardens which had expanded to occupy the majority of the site by 1961. Drains and issues, (locations where water emerges from the ground) were mapped in 1961, suggesting shallow groundwater in this area. By 1970, the site was labelled as a depot, although the layout appears to suggest use as a car park at this time. The car park was accessed via a raised embankment in the south and the existing slopes

	in the south and east had already been established suggesting cut and fill to establish the level car park. A club building had been constructed in the western corner by 1993 and the existing buildings in the south-east of the site had also been established by this time. Aerial imagery suggests that the club building had been demolished by 2006.
Off-site Historical Summary	The earliest mapping from 1889 records the surrounding area as predominantly open fields. A Gas Works was located approximately 150m to the south-east, with the wider town of Hinckley located approximately 400m to the east. By 1903, a Dye Works was located 100m to the south-east and the Gas Works had expanded to within 50m of the current site boundary. Further expansion of the Hinckley Gas Works had occurred by 1924, including construction of another gas holder. Allotment gardens bordered the site to the east and a reservoir was located within 50m of the southern site boundary. The allotment gardens had been replaced by residential properties by 1938. Further expansion of the Hinckley Gas Works had occurred by 1961, with another gas holder located 100m to the south-east. The Dye Works was labelled as a factory and had expanded by this time. An area of marshy ground was recorded to the south of the site, further suggesting the presence of shallow groundwater. By 1971, significant demolition of the Hinckley Gas Works had occurred; although two gas holders and some of the buildings still remained. A refuse tip was situated immediately to the south of the site and may possibly have been associated with the demolition of the gas works. Further residential development now bordered the north of the site and the Dye Works was now recorded as a Hosiery Factory. By 1975, the refuse tip was no longer mapped and a building was shown in its place, likely to be the existing Cadent office building. An electricity substation was recorded within 60m to the south of the site. A Works was located approximately 250m to the south by 1980 and had expanded towards the site by 1987. Further demolition of the gas works had occurred by 1999, shown on aerial imagery to comprise car parking and office buildings. Demolition of the works to the south was recorded by 2015 and residential development was established in this area between 2016 and 2018.

3.0 GEO-ENVIRONMENTAL SETTING

Geo-environmental Setting	
A summary of the geo-environmental site setting is provided as follows. Information has been collated from the Groundsure Report	
Geology	The British Geological Survey (BGS) online GeoIndex reports that the site is underlain by superficial deposits of the Bosworth Clay Member, with glaciofluvial deposits mapped in the east. The bedrock underlying the superficial deposits comprises the Mercia Mudstone Group.
Natural Ground Hazards	The Bosworth Clay Member is considered to be of moderate compressibility.
Mining and Mineral Extraction	The site is not located within a coal mining reporting area as defined by the Coal Authority or in an area impacted by other non-coal mining activities.
Hydrogeology	The Bosworth Clay Member is classed as Unproductive Strata and the glaciofluvial deposits to the east are classed as a Secondary (A) Aquifer. The Mercia Mudstone Group is classed as a Secondary (B) Aquifer. The site is not located in a groundwater Source Protection Zone. There are several historical and active groundwater abstractions between 114m and 170m to the south, licensed to Celtic Technologies Ltd and relating to the remediation of pollution, likely from the Hinckley Gas Works. The active groundwater abstractions all have an expiry date of March 2026.
Hydrology	The nearest surface water feature is Battling Brook, located 80m to the north-west. There are no surface water abstractions within 500m of the site.
Ground Gases	Made Ground associated with the adjacent former industrial land uses may be a source of ground gases. The Gas Works in particular may be a source of volatile vapours, depending on the potential presence of mobile contamination. The site is within an area with a maximum radon potential of <1%. Accordingly, radon protection measures would not be required for any proposed development.

4.0 REGULATORY INFORMATION

Regulatory Information	
A summary of pertinent information from the Groundsure Report relating to permits, consents, authorisations and landfilling is provided below.	
Current and Historical Industrial Uses	There are four historical industrial land uses recorded within the site boundary, referring to unspecified works and the Hinckley Gas Works. There is one current industrial land use recorded within the site, referring to a depot. Key off-site historical industrial land uses were located to the south and south-east and include the Gas Works and its gas holders, Dye Works and a depot.
Industrial Licences and Authorisations	There are no records of the following licenses or authorisations within 500m of the site: • Regulated explosive sites; • Hazardous substance storage and usage; • Historical IPC authorisations; • Licensed industrial activities (Part A (1)); • Radioactive Substances Authorisations; • Red List Discharge Consents; • Pollutant release to public sewer; • List 1 and 2 dangerous substances; and • Pollution inventory substances, waste transfers and radioactive waste. There are two historical permits for licensed pollutant release (Part A(2)/B) relating to printing works 141m to the south-west and a service station 200m to the south-east.
Waste Management Facilities, Landfill Sites and Infilled Ground	There is a single record of historical landfilling in the surrounding area, referring to the former refuse tip identified on historical mapping to the south.
COMAH, NIHHS and dangerous substances	There are no Control of Major Accident Hazards (COMAH) or Notification of Installations Handling Hazardous Substances (NIHHS) licenses located within 500m of the site.
Part 2A EPA 1990	There are no records of sites determined as Contaminated Land under section 78R of the Environmental Protection Act within 500m of the site boundary.

Discharge Consents	There are nine historical and active discharge consents within 250m. The majority relate to sewage discharges from CSOs to Sibson Brook; however, two of the entries refer to the discharge of process effluent to groundwater, 133m south of the site.
Fuel Stations and Historical Garages	There is a single historical entry for fuel stations within 500m, referring to a former petrol station 228m to the south-east.
Unexploded Ordnance	The Zetica interactive mapping site confirms that the subject site lies within an area at low risk of UXO encounter.

5.0 PRELIMINARY GEOTECHNICAL ASSESSMENT

- 5.1 The information sources noted in Section 1.0 have been reviewed in order to provide a summary of potential ground constraints and opportunities presented below. The following comments and recommendations are based on the qualitative findings of this Geo-environmental Desk Study and may not be representative of actual engineering properties of on-site soils (e.g. stability, mass structure etc.).

Made Ground	Made Ground is likely to be present beneath the site, particularly in areas occupied by current and historical structures and also associated with historical pavement construction and cut and fill works. Made Ground is not suitable as a bearing stratum, and may require removal or localised deepening of foundations.
Topsoil	There is minimal Topsoil on-site, being predominantly located in landscaped areas close to the site boundary. It is considered that the import of topsoil and some subsoil will be required to facilitate a suitable growing medium in proposed garden and landscaped areas.
Foundation and Floor Slab Design	An intrusive ground investigation will be required to determine if the underlying geology will provide competent bearing strata for foundation design. Traditional shallow foundations are considered likely to be feasible based on existing information but design will be dictated by the potential compressibility of the Bosworth Clay Member. This may limit the allowable bearing pressure. Suspended floor slabs may be required for plots given the anticipated presence of Made Ground and buried construction and the potential requirement for ground gas or vapour protection. Foundation and floor slab designs will need to be adjusted taking into account the potential influence of trees on cohesive soils. Adjustments are likely to take the form of deepening of foundations and the incorporation of heave protection. Plots along site boundaries are most likely to be affected by existing tree influence.
Buried Obstructions	Buried foundations may be present associated with existing and historical structures. If encountered, obstructions should be delineated and removed during enabling works and the voids backfilled with suitably engineered fill.
Pyritic Geology	Pyritic deposits are not anticipated beneath the site.

Drainage and Soakaways	Given the anticipated cohesive nature of the Bosworth Clay Member, it is considered unlikely that soakaways will be feasible across the majority of the site. Granular glaciofluvial deposits are likely to be limited to eastern areas and soakaways may be feasible locally.
Roads and Pavements	Where the Bosworth Clay Member is present at shallow depth, the available CBR for pavement design is likely to be limited to of the order of 2%. Higher CBR design values may be available where natural granular soils are encountered. It is recommended that CBR testing is carried out to confirm design values.
Slope Stability	The stability of the slopes around the site should be assessed in the context of detailed development proposals.

6.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

Background

- 6.1 This section assesses the significance of the environmental issues that have been identified on site or in the surrounding area in previous sections of this report by developing a preliminary Conceptual Site Model (CSM). The objective of the CSM is to identify contaminant sources, pathways and receptors relating to the site and surrounding area to evaluate the potential for a pollution event to occur using a risk classification tool. The level of risk is assessed by comparing the likelihood of a pollution event to occur, versus the consequence of a pollution occurrence. The consequence is essentially a measurement of the severity of a hazard (or source) and sensitivity of the receptor (controlled waters and human health).
- 6.2 The risk assessment methodology detailing the classes of significance is detailed after the preliminary CSM below.

Key Source of Contamination and Liabilities

- 6.3 It should be noted that the main potential source of environmental risk relates to the former off-site Hinckley Gas Works. It has been identified through a review of the environmental data that remediation of the gas works had been carried out by Celtic Technologies Ltd. It is likely that their remediation strategy will have been designed to ensure minimal off-site migration of contamination and, given the monitoring wells identified on-site during the walkover, it appears that their remediation process may have been monitored. However, it is unclear what remedial targets they were working to, especially considering the gas works has been replaced by a commercial development (Cadent Gas office buildings and associated car parking). As such, the potential still remains for contamination, above the accepted levels for a residential development, to migrate from the former gas works.
- 6.4 The potential extent of contamination from the Gas Works will likely be dictated by the superficial deposits. If the Bosworth Clay Member is extensive beneath the site, contamination will likely be restricted to areas close to the former gas works. The presence of superficial glaciofluvial deposits will provide a potential pathway for contamination.
- 6.5 Identified controlled waters receptors include the Secondary Aquifers within the superficial deposits and bedrock of Mercia Mudstone, and Battling Brook to the north. The pathway to these receptors may be restricted by the presence of cohesive Bosworth Clay Member deposits although may be more significant where glaciofluvial deposits are encountered. If there is a potential risk to controlled waters receptors, it is likely that liability would lie with the landowners of the former gas works to the south; however, there is a potential for liability for future owners of this site.

Preliminary Conceptual Site Model

- 6.6 The pollutant linkages pertaining to the site and the assessed significance are summarised in the CSM table below:

Table 1: Preliminary Conceptual Site Model			
Potential Source	Potential Pathway	Potential Receptor	Pollutant Linkage: Assessed Risk
S1: Made Ground	P1: Direct Contact – Human Health	R1: End Users	Private gardens are likely to be proposed. Therefore, direct contact pathways are considered active. The risk is considered to be moderate, given the potential migration from the former gas works. In-situ remediation may be required if contamination is likely to be extensive.
S2: Historical off-site industrial land-uses including Hinckley Gas Works		R2: Construction Workers	Direct contact pathways would be active through the construction phase of the project. However, the use of standard PPE and implementation of the correct procedures should reduce the risk to site workers. Therefore, the risk to construction workers is considered to be low.
S1: Made Ground	P2: Gas and Vapour Migration	R1: End Users and R5: Buildings	There is a potential for migration of volatile vapours from the former gas works to the south, although this will depend on the remediation processes carried out at the gas works. In-situ remediation may be required if contamination is extensive. Localised vapour protection may be more suitable if contamination is limited.
S2: Historical off-site industrial land-uses including Hinckley Gas Works			
S1: Made Ground	P4: Direct Contact: Building Materials	R3: Construction Materials	Further investigation is required to confirm if contaminant concentrations pose a risk to buried utilities or concrete. The risk is currently considered to be low-moderate.
S2: Historical off-site industrial land-uses including Hinckley Gas Works			
S3: Asbestos Containing Materials in Existing Buildings	P6: Incidental inhalation of asbestos fibres	R2: Construction Workers	An asbestos survey of the two buildings in the south-east should be carried out by a suitably qualified professional. Any identified ACMs should be removed and disposed of by a suitably qualified professional.

- 6.7 As highlighted previously, there may exist a pathway for contamination to migrate through the site from the former Hinckley Gas Works to the surface water and groundwater receptors, although this is likely to be dictated by the extent of glaciofluvial deposits. Remediation of groundwater may be required if a potential risk is identified to controlled waters receptors, although it is considered that responsibility for managing this risk would lie with the current landowners of the former gas works.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Summary

- 7.1 It is considered that the environmental risk at the site is moderate with the principal risk driver being the potential contamination migration onto the site from the former Hinckley Gas Works to the south. The degree of risk will depend on the level of remediation carried out and the potential for cohesive Bosworth Clay Member deposits to restrict the contaminant migration.
- 7.2 If contamination is identified across the site, remediation may be required.
- 7.3 Liabilities for the off-site migration of contamination to controlled waters receptors are likely to lie with the landowner of the former gas works to the south; however, the possibility for liability for future land owners of this site cannot be discounted.
- 7.4 Gas and vapour protection measures may be required and will be dependent on the extent of contamination migration from the former gas works.
- 7.5 Traditional strip or trench fill foundations are likely to be appropriate for the proposed development, but will depend on the potential for compressible strata within the Bosworth Clay Member. Localised deepening of foundations or an alternative foundation strategy may be required if significantly compressible strata are encountered.
- 7.6 Suspended ground floor slabs may be required given the anticipated presence of Made Ground and buried construction, and the potential need for gas/vapour protection measures.
- 7.7 The majority of the site is unlikely to be suitable for soakaway drainage given the anticipated near surface predominance of cohesive strata of the Bosworth Clay Member. Soakaways may be feasible locally in the east where granular glaciofluvial strata may be encountered.
- 7.8 If remediation is required, the site may be eligible for Brownfield Remediation Tax Relief.

Recommendations

- 7.9 Given the findings of the above, it is recommended that a Phase II Intrusive Investigation is undertaken to determine the potential extent of contamination across the site. Given the site's current use as a car park, intrusive investigation is likely to be restricted to dynamic sampler boreholes.
- 7.10 It is recommended that consultation with an asbestos specialist is carried out to identify suspected asbestos containing materials in the buildings in the south-east and arrange for their appropriate removal and disposal.
- 7.11 A suitably experienced and qualified accounting firm should be appointed to investigate the applicability of the Brownfield Remediation Tax Relief Scheme and how to apply.

- 7.12 It is recommended that a copy of this report is submitted to the Local Planning Authority to support the planning applications for the site. Review of this report will enable the contaminated land or environmental health officer to comment as consultee to the Local Planning Officer. Future ground investigation will likely be conditioned as part of a planning permission.

8.0 APPROACH TO RISK ASSESSMENT

Land Use

- 8.1 This report establishes the former and current land uses that may have caused contamination or given rise to environmental concerns on the site. An inspection has been undertaken where possible to provide further details of the site and neighbouring activities and to observe environmental conditions.

Historical Maps

- 8.2 Information about the history of the site has been obtained primarily through an inspection of historical Ordnance Survey maps, which can be important in assessing potential liabilities. Historical maps can show past potentially contaminative uses at a site that would not necessarily be obvious during a site inspection, for example storage tanks or previous usage such as a gas works or quarry.

Public Record Information

- 8.3 Information concerning environmental regulations relating to the site has been obtained from a public register which has been accessed from a commercial database (e.g. Landmark Information Group or Groundsure). This is the quickest means of gathering publicly available information. The data is supplied from within a 1km radius of a given National Grid reference of a site. The database contains information from the Environment Agency (EA) and other statutory authorities responsible for monitoring environmental protection measures within the area of a site under existing legislation.
- 8.4 Supplementary information has also been obtained directly from the environmental regulators, where possible in order to gauge the environmental characteristics of the site in more detail and to establish whether there have been any breaches of environmental regulations or pollution incidents associated with the site.

Environmental Legislation

- 8.5 The principal environmental legislation in England consists of the Environmental Protection Act 1990 (EPA 90), the Water Resources Act 1991 and the Environment Act 1995 (EA 95). These Acts prescribe protection measures for all the environmental media (land, water and air) and are regulated by the EA and the Local Authority. Part 1 of the EPA 1990 sets out the statutory framework for Integrated Pollution Control (IPC) and Air Pollution Control (APC).

Environmental Setting

- 8.6 This report assesses the environmental sensitivity of the site location to contamination/pollution. The sensitivity of the environmental setting aids in assessment of environmental liability and is evaluated using British Geological Survey (BGS) information and data from the EA on groundwater and surface water. Data on abstractions have been obtained from the purchased

database information. The vulnerability of surface waters and groundwater is based on sensitivity to pollution, distance from abstractions, type and nature of groundwater and type of overlying strata. The EA have classified aquifers into three types - Principal Aquifers, Secondary Aquifers and Unproductive Strata - depending upon the hydrogeological sensitivity, permeability and whether they support large abstractions for drinking water supplies.

Principal Aquifers (high permeability)

- 8.7 These are highly permeable formations usually with a known or probable presence of significant fracturing. They may be highly productive and able to support large abstractions for public supply and other purposes.

Secondary Aquifers (variable permeability)

- 8.8 These can be fractured or potentially fractured rocks which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although these aquifers will seldom produce large quantities of water for abstraction, they are important both for local supplies and in supplying base flow to rivers. Secondary Aquifers are sub-classified into Secondary A Aquifers, Secondary B Aquifers and Undifferentiated Secondary Aquifers. Principal Aquifers may occur beneath Secondary Aquifers.

Unproductive Strata (low permeability)

- 8.9 Formations which are generally regarded as having negligible significance for water supply or river base flow form a third group. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants. Some Unproductive Strata can yield water in sufficient quantities for domestic use. Principal or Secondary Aquifers may occur beneath Unproductive Strata.

Environmental Risk Assessment

- 8.10 This report assesses the potential for the site to give rise to environmental risks and whether or not the risks are acceptable or if further assessment and/or remedial action is required.
- 8.11 The qualitative risk assessment firstly considers the source of contamination (and extent, concentration and availability of contaminants) and potential contaminants associated with the source(s) (or hazards).
- 8.12 The effect of a hazard on an identified receptor is largely governed by the sensitivity of a receptor. Receptors may typically include people, buildings, animals, plants and local resources (such as groundwater, surface waters, mines etc). A change in the receptor should be considered if the end use of the site changes.
- 8.13 The presence of contamination (as a potential hazard), exposure pathway and the quantity of contamination that reaches the receptor that may determine the risk and effect on a receptor (such as the integrity of a barrier between a contamination source and receptor).

- 8.14 The risk classifications for both likelihood and consequence are based on methodology presented in Contaminated Land Risk Assessment, A Guide to Good Practice (CIRIA C552, 2001). The guidance states that the designation of risk is based upon a consideration of both: the magnitude of the potential consequence (severity) of risk occurring, which takes into account both the potential severity of the hazard and the sensitivity of the receptor; and the likelihood of an event occurring (probability), which takes into account both the presence of the hazard and receptor and the integrity of the pathway.
- 8.15 The magnitude of consequence (severity) and likelihood (probability) is defined in the CIRIA guidance, together with examples. The two classifications are then compared (as shown on Table 5 to obtain an estimation of risk for each pollutant linkage, ranging from very high risk to very low risk.
- 8.16 A description of the risks and likely actions required is presented in Table 6. The benefit of estimating the risk in this way is that it can be revised after each investigation phase as the conceptual model and corresponding contaminant linkages are refined.

Table 2: Comparison of consequence against probability

		Consequence			
		Severe	Medium	Mild	Minor
Likelihood	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

Table 3: Description of the classified risks and likely action required

Level of Risk	Description of Classification
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening. If this risk is realised, it is likely to result in significant environmental and financial liability to current and/or future site owners/occupiers. Urgent investigation (if not already undertaken) and remediation is likely to be required.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard. If risk is realised, it is likely to present a sizeable environmental and financial liability to current and/or future site owners/occupiers. Urgent investigation is required and remediation work may be necessary in the short term and likely over the longer term.

Level of Risk	Description of Classification
Moderate Risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the potential environmental liability. Some remedial works may be required over the longer term.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation may be recommended to clarify the risk, dependent on the sensitivity of the receptor and view point of those of interest. Any remedial works are likely to be fairly limited.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is likely to be mild or minor.

- 8.17 The acceptability of risk will always depend upon the view point of those of interest, whether it is an occupier of a site, a regulator or stakeholder. As a result, it could be that action will be required to deal with a level of risk even if it is classified as very low.

9.0 NOTES ON LIMITATIONS

General

- 9.1 Mewies Engineering Consultants Ltd (M-EC) has completed the attached report for the use of the Client detailed on the front cover and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed.
- 9.2 Third parties should not use or rely upon the contents of the report unless written approval has been gained from M-EC; (due to legal requirements, a charge may be levied against such approval).
- 9.3 M-EC accepts no responsibility or liability for:
- a) the consequences of this documentation being used for any purpose or project other than that for which it was commissioned, and
 - b) this document to any third party with whom approval for use has not been agreed.

Phase I Environmental Risk Assessments, Desk Studies and Site Audits

- 9.4 The work completed and utilised to provide this report comprises a study of available documentation. The opinions and results presented in this report have been arrived at by utilising the finite amount of data available at the time of writing and are relevant only to the purpose for which the report was commissioned. The data which has been reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative information pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, M-EC reserves the right to review this information and, if warranted, to modify the opinions presented in the report accordingly.
- 9.5 It should be noted that the risks which are identified in this report are perceived risks based on the available information at the time of writing and that the actual risks associated can only be assessed following a physical investigation of the site.

APPENDIX A

M-EC
The Old Chapel
Station Road
Hugglescote
Leicestershire
LE67 2GB



SITE LOCATION PLAN

Project: Land at Brick Kiln Street, Hinckley

File Ref: 25845

O.S. Grid Ref: 442082, 293867

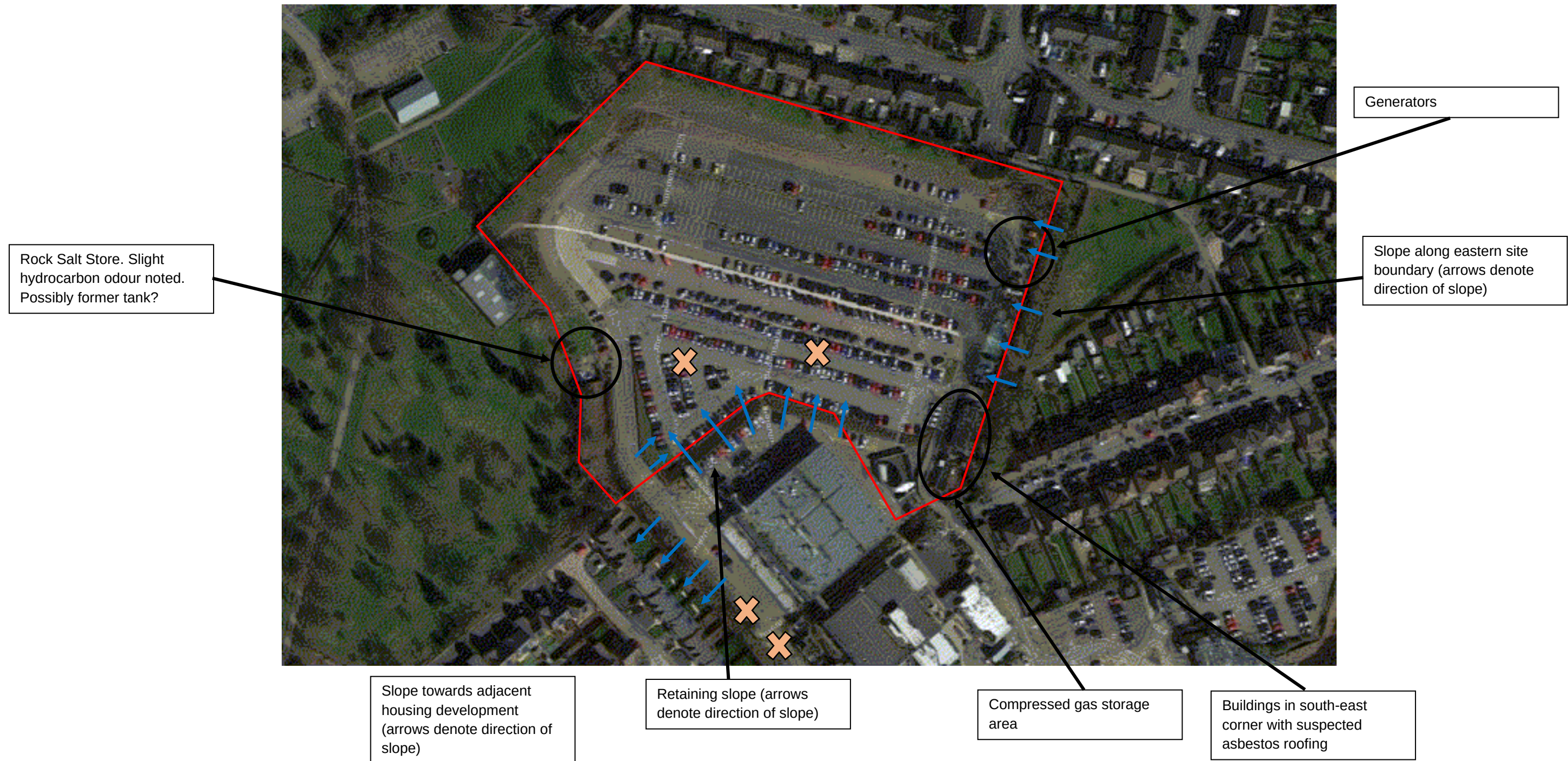
Postcode: LE10 0NA



Ref. 25845
Brick Kiln Street, Hinckley
Site Features Plan
9th October 2020
Walkover undertaken by C. Wall
Plan drawn by C. Wall
Not to scale



 Denotes approximate location of monitoring well



APPENDIX B



Photo 1: View looking north across the site



Photo 2: View of vegetated slope along the southern site boundary, separating the site from the Cadent Gas offices.



Photo 3: Monitoring well cover identified in the car park.



Photo 4: Rock salt store in the south-western corner of the site.

Site: Land at Brick Kiln Street,
Hinckley

Project No: 25845

Address: Brick Kiln Street,
Hinckley, LE10 0NA

Client: Fisher German LLP



Photo 5: Area in the north-west of the site, formerly occupied by a clubhouse building.



Photo 6: General view looking south-east across the site. Photo taken from the north-western site boundary.



Photo 7: Electricity generators located adjacent to the eastern site boundary. The slope to the adjacent land is shown in the background of the picture.



Photo 8: Building in the south-eastern corner with suspected asbestos roofing.

Site: Land at Brick Kiln Street, Hinckley

Project No: 25845

Address: Brick Kiln Street, Hinckley, LE10 0NA

Client: Fisher German LLP

APPENDIX C

Site Details:

CADENT GAS LTD, CADENT,
BRICK KILN STREET,
HINCKLEY, LE10 0NA

Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: County Series

Map date: 1889

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1889
Revised 1889
Edition N/A
Copyright N/A
Levelled N/A

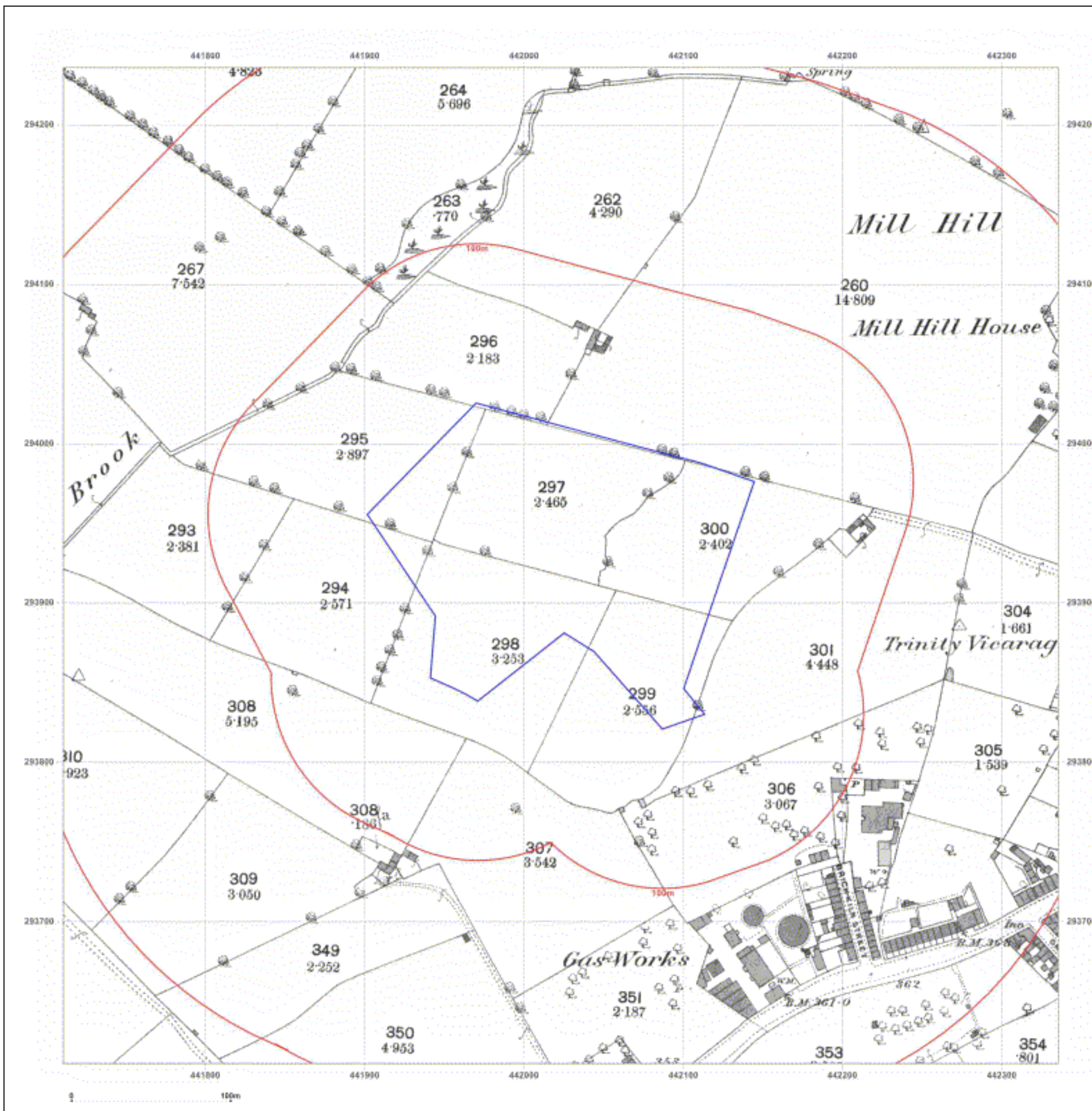


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: County Series

Map date: 1903

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1903
Revised 1903
Edition N/A
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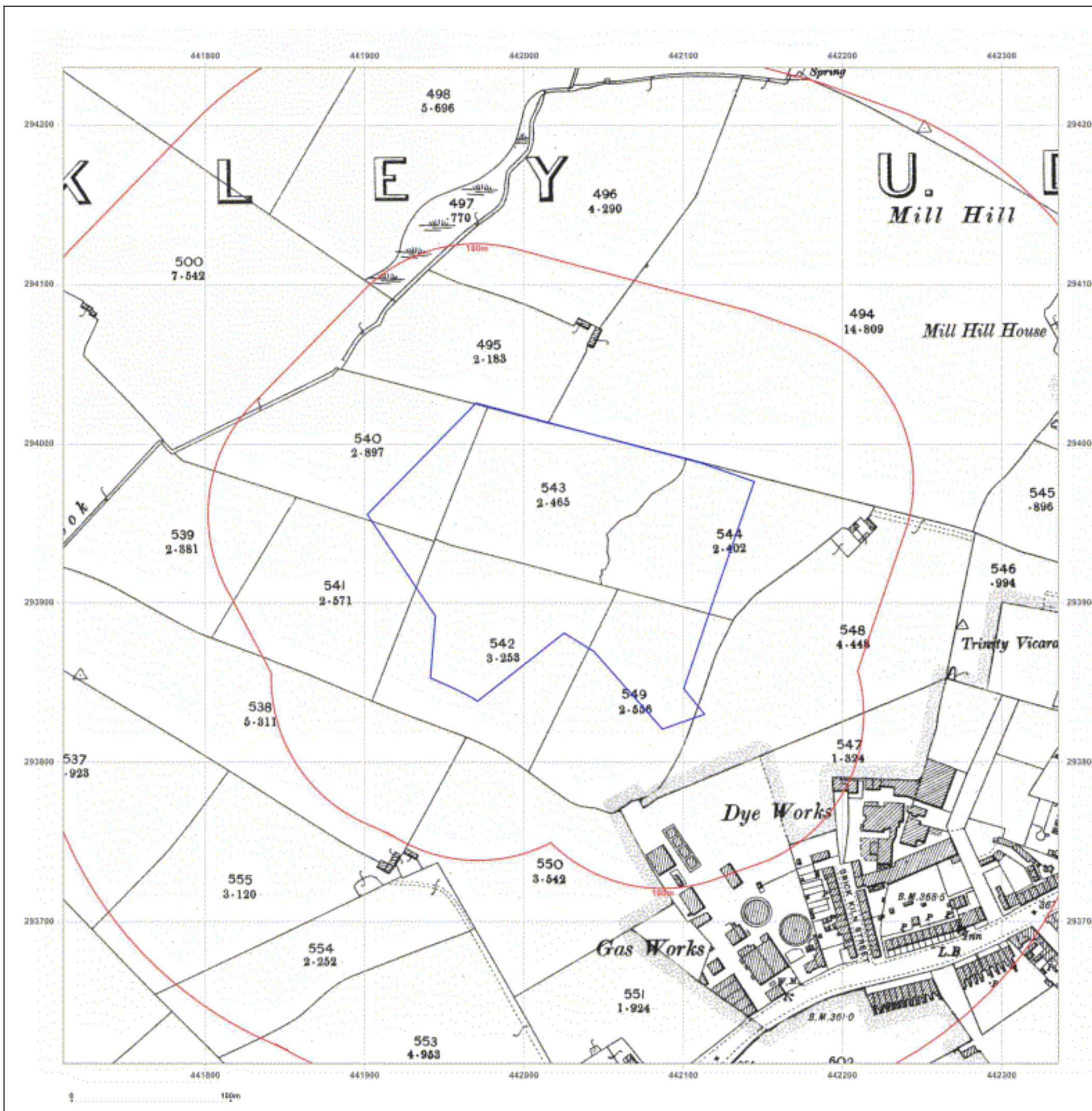


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: County Series

Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
Revised 1924
Edition N/A
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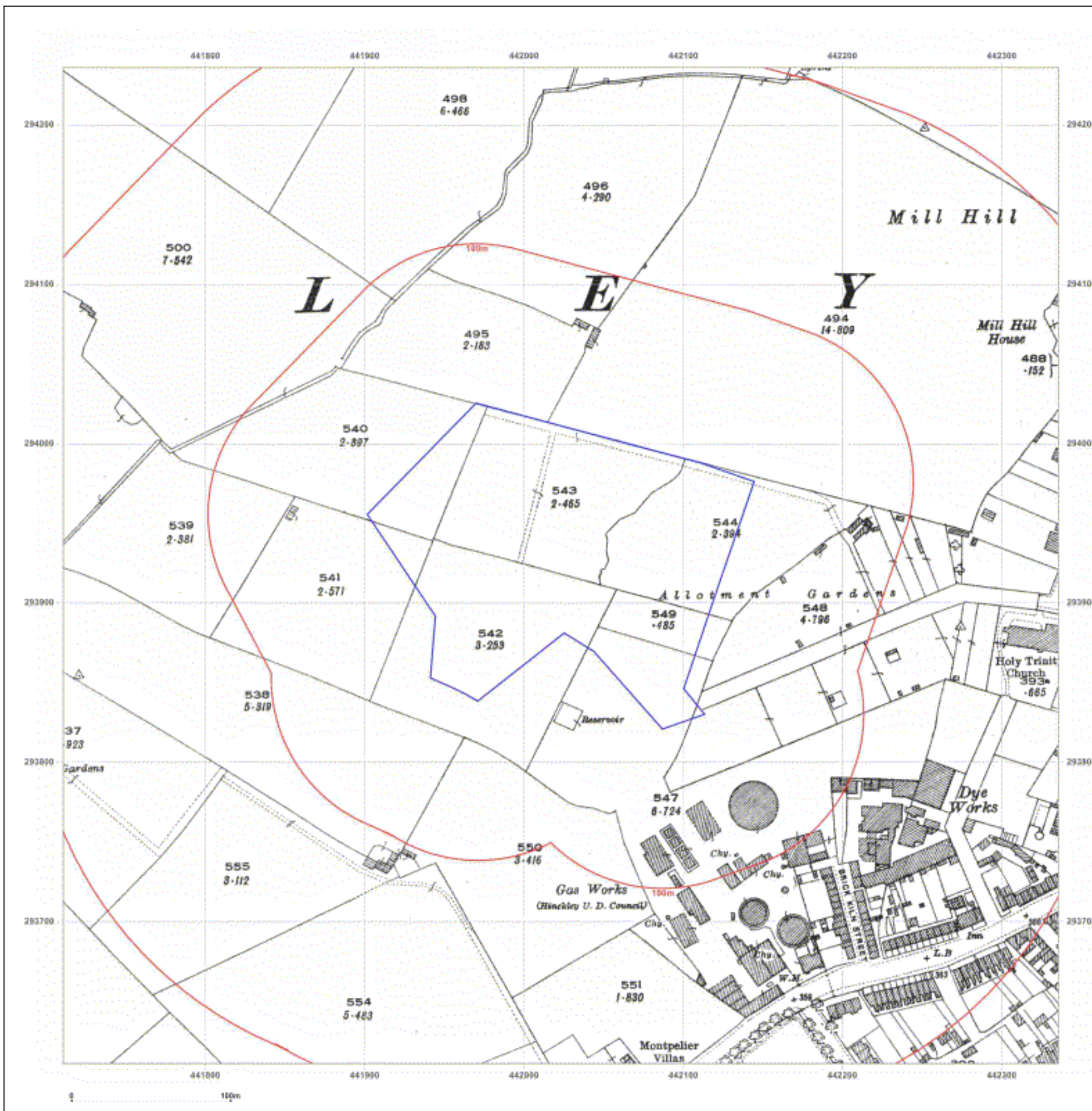


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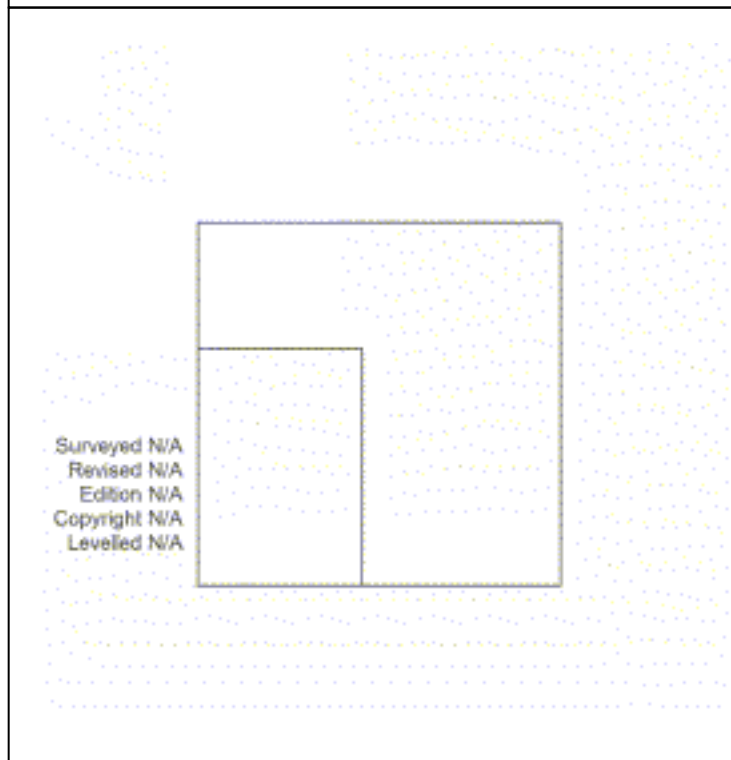
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Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1960

Scale: 1:1,250

Printed at: 1:2,000

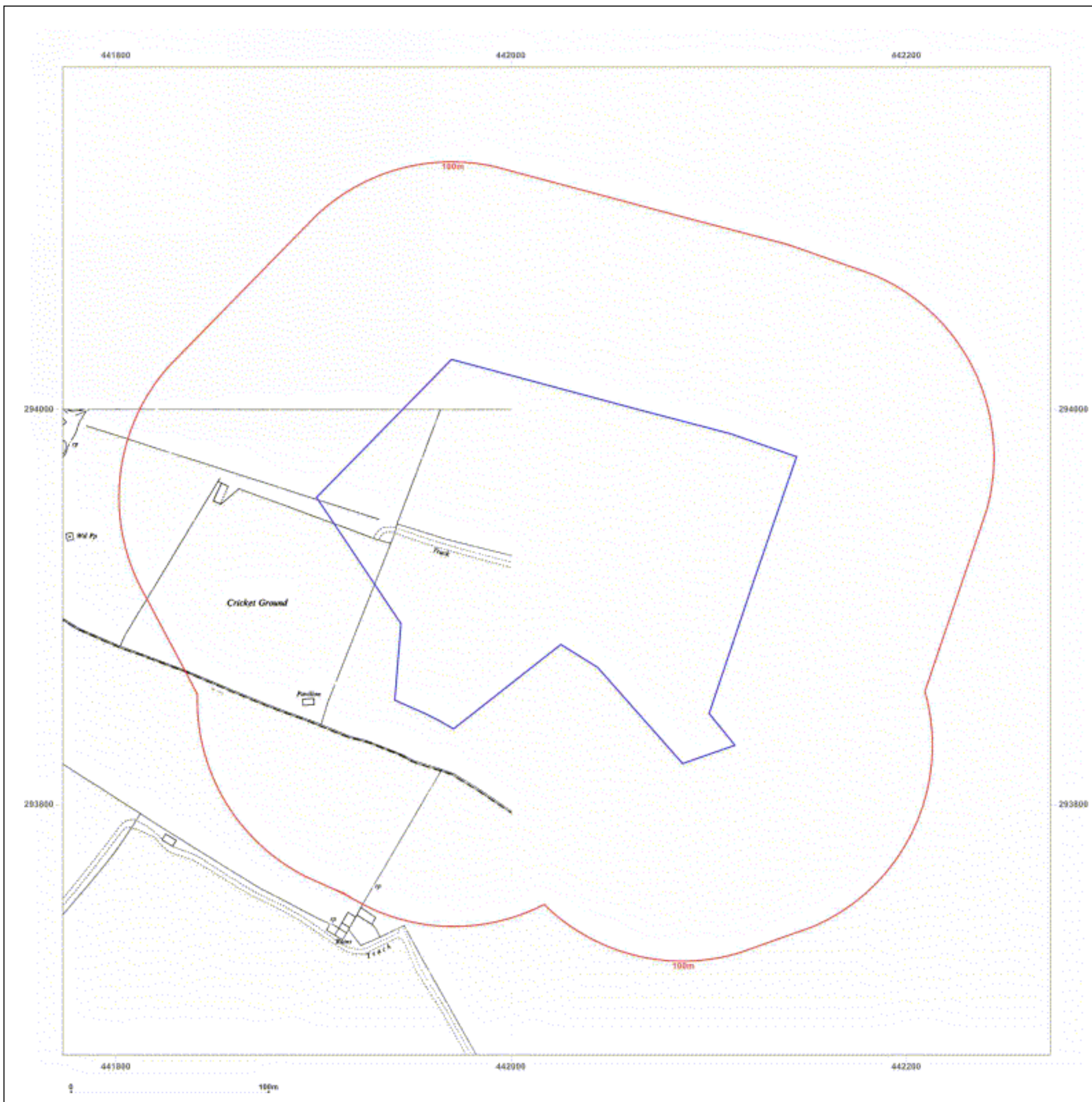


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1959-1961

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1959
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Edition N/A
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Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1923

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1959
Levelled 1923

Surveyed 1960
Revised 1960
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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1960-1961

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
Revised 1961
Edition 1963
Copyright 1963
Levelled 1923

Surveyed 1960
Revised 1960
Edition 1961
Copyright 1961
Levelled 1923

Surveyed 1961
Revised 1961
Edition 1963
Copyright 1963
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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

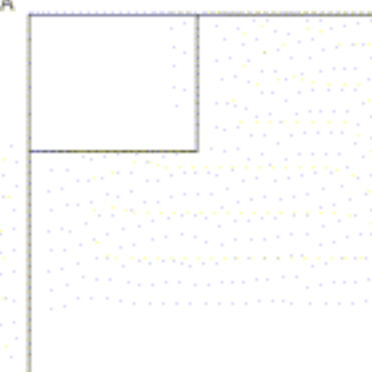
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Scale: 1:2,500

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

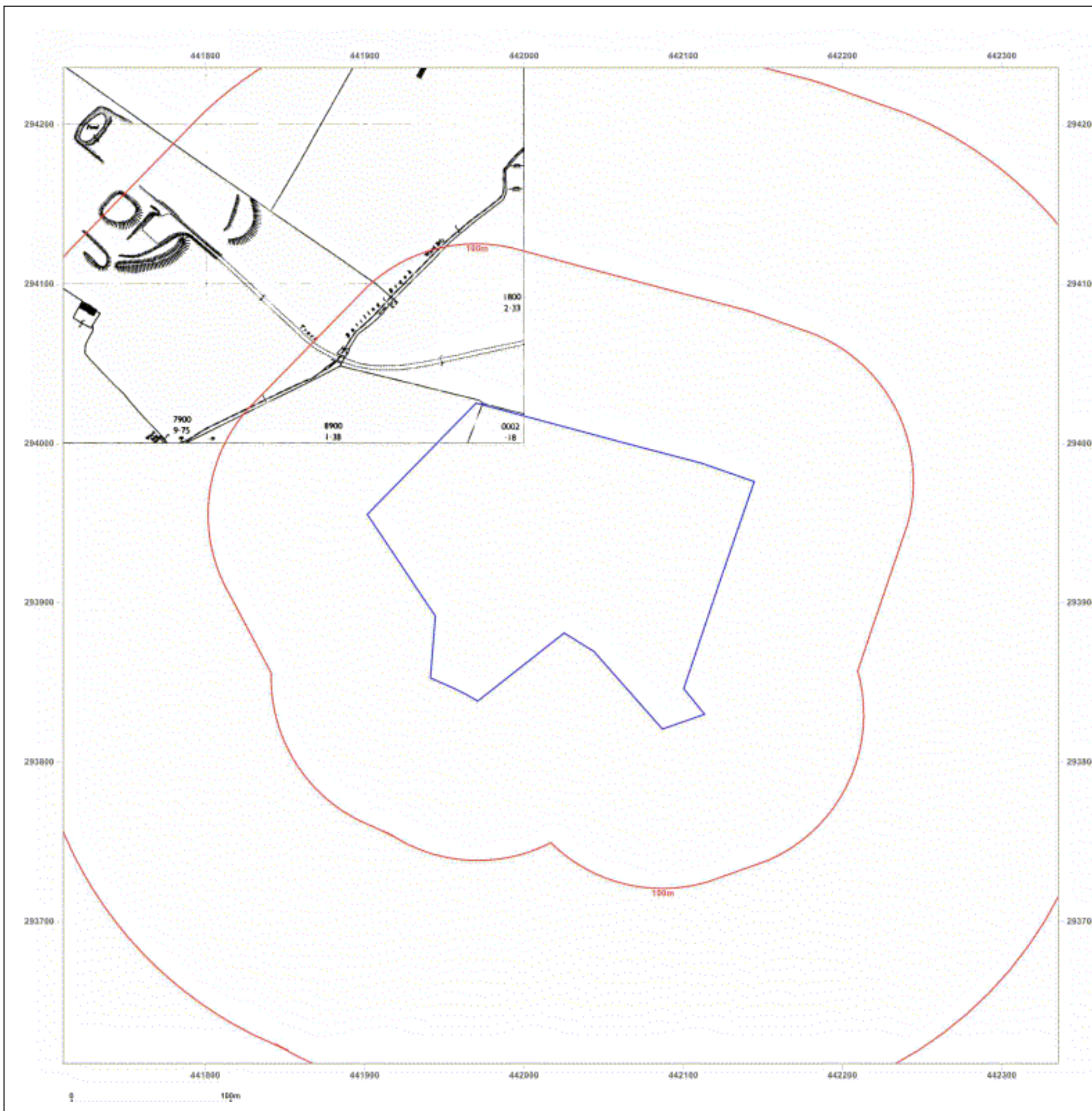


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1972-1975

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1975
Levelled N/A

Surveyed 1960
Revised 1971
Edition N/A
Copyright 1972
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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1983-1987

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1959
Revised 1982
Edition N/A
Copyright 1983
Levelled 1963

Surveyed 1963
Revised 1987
Edition N/A
Copyright 1987
Levelled 1963

Surveyed 1964
Revised 1986
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Copyright 1986
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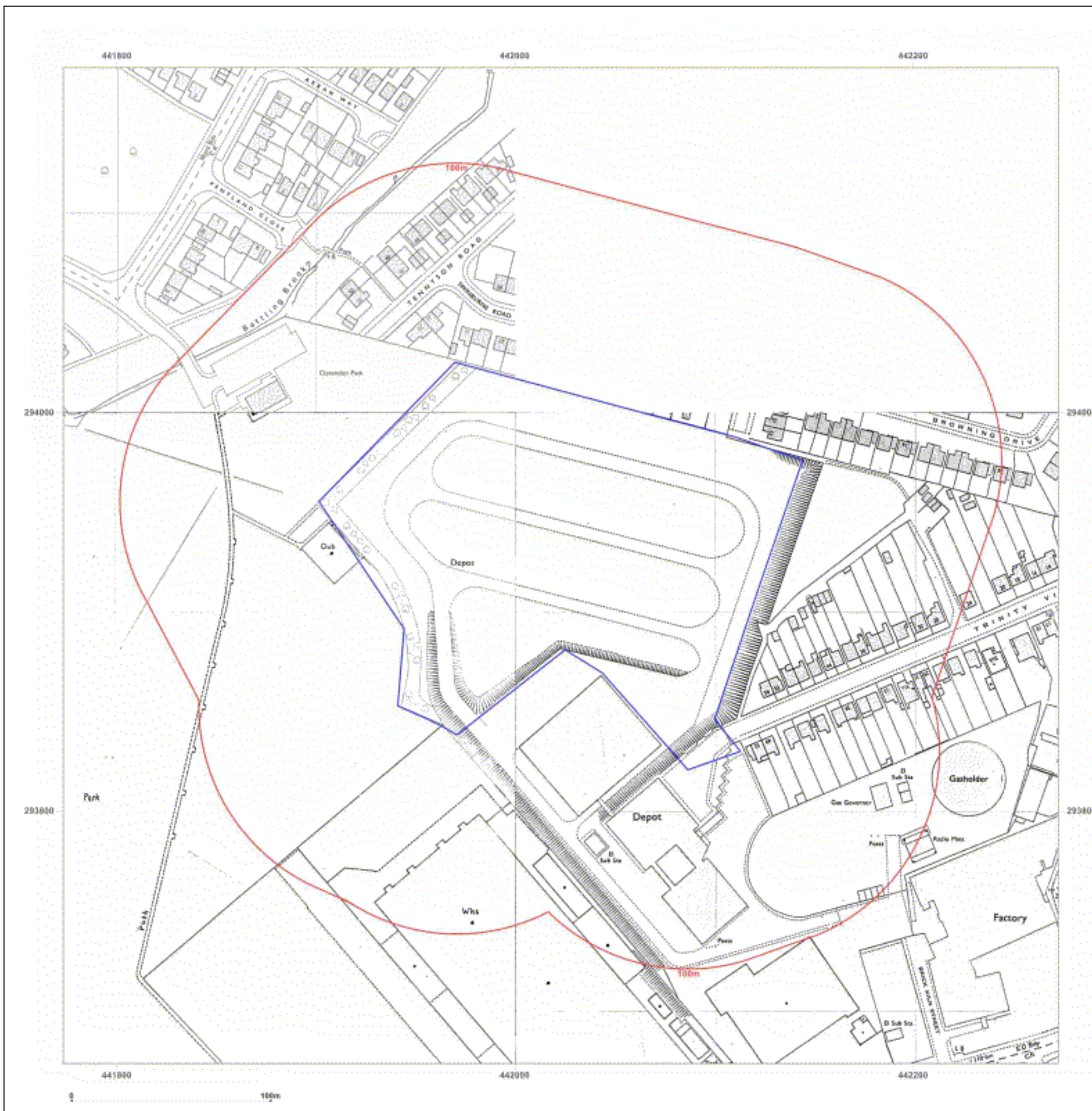


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1989

Scale: 1:2,500

Printed at: 1:2,500



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

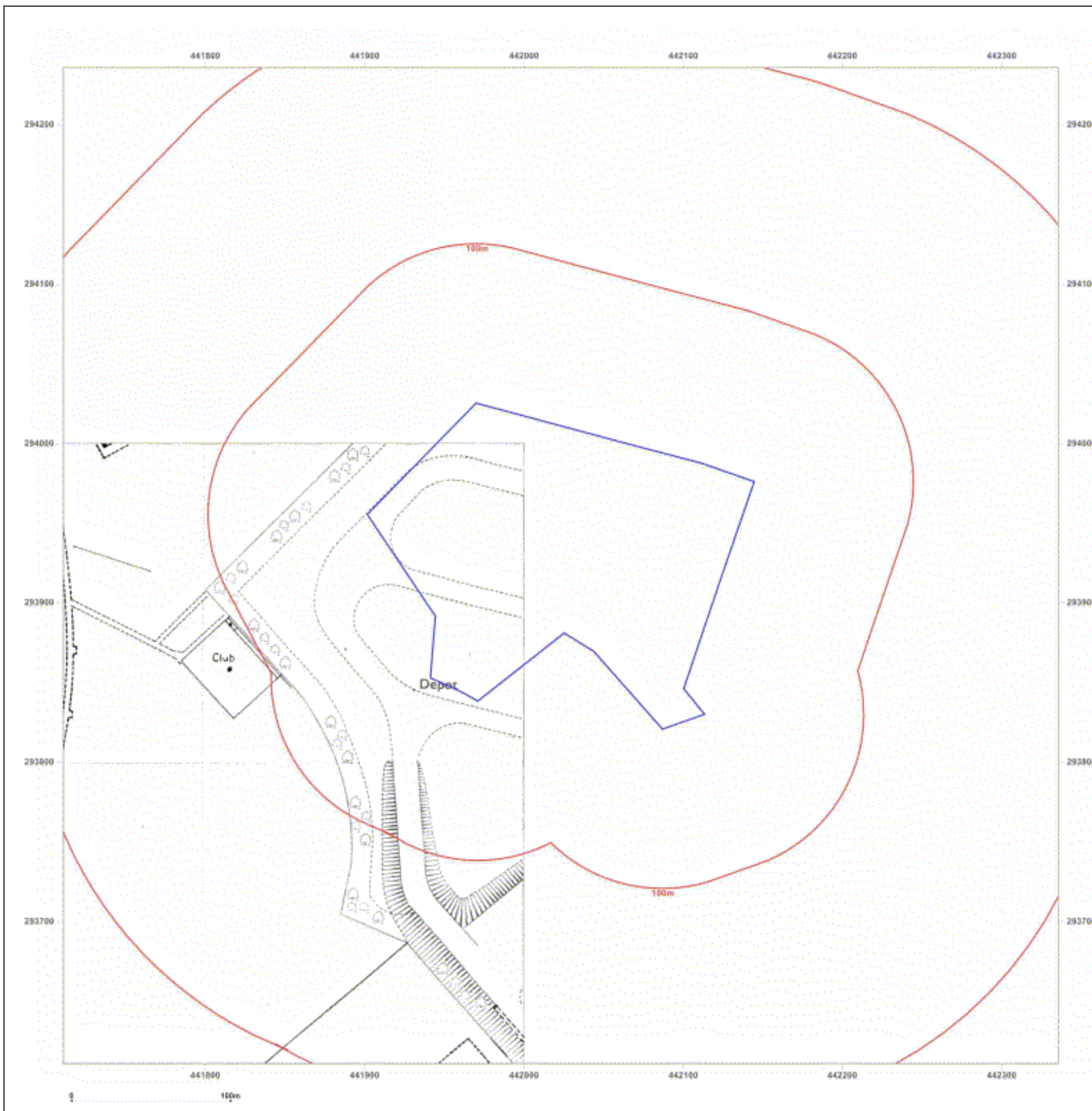


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1989-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1963
Revised 1991
Edition N/A
Copyright 1991
Levelled 1963

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

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

Surveyed 1964
Revised 1992
Edition N/A
Copyright 1992
Levelled 1964

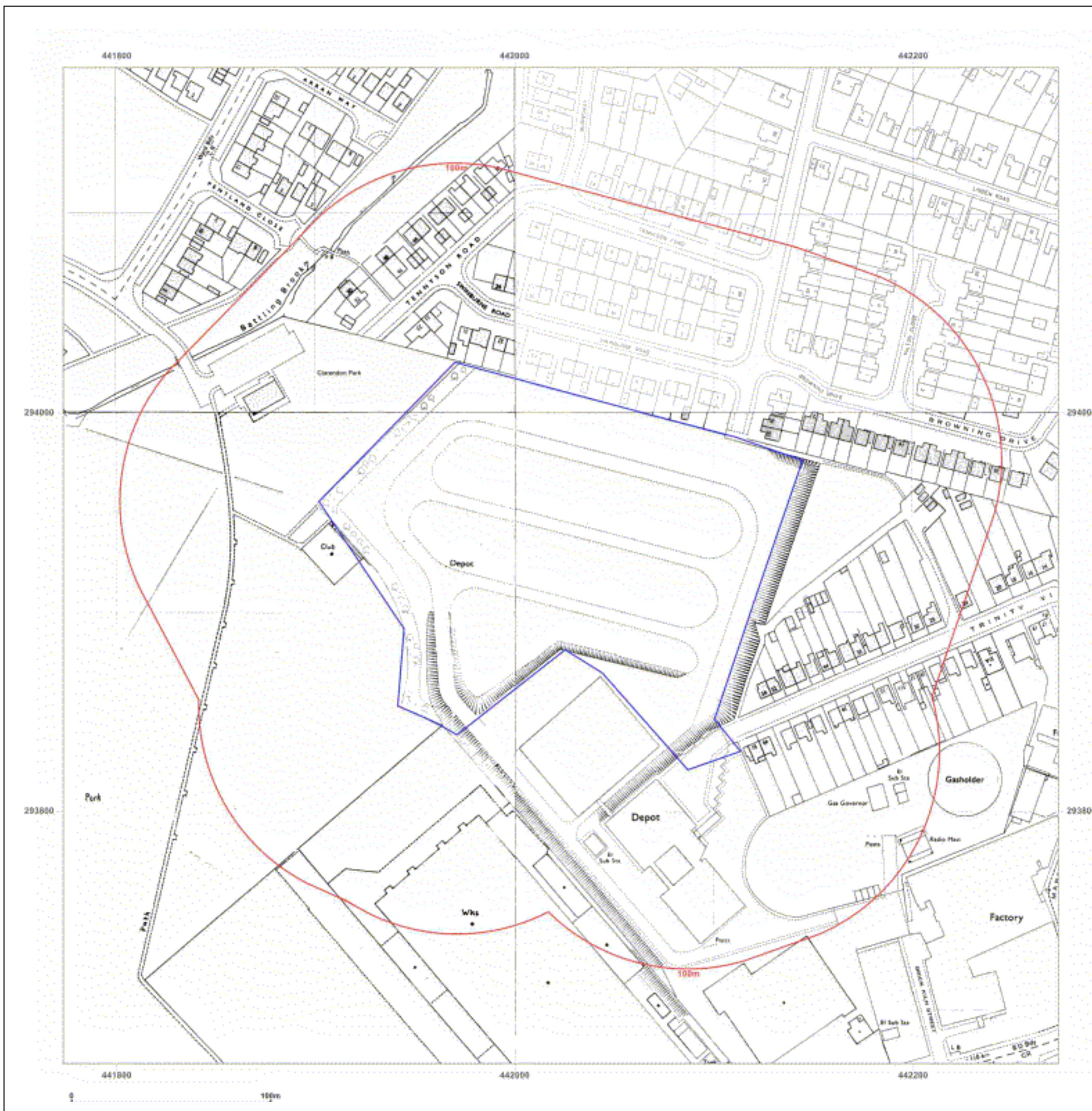


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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Revised N/A
Edition N/A
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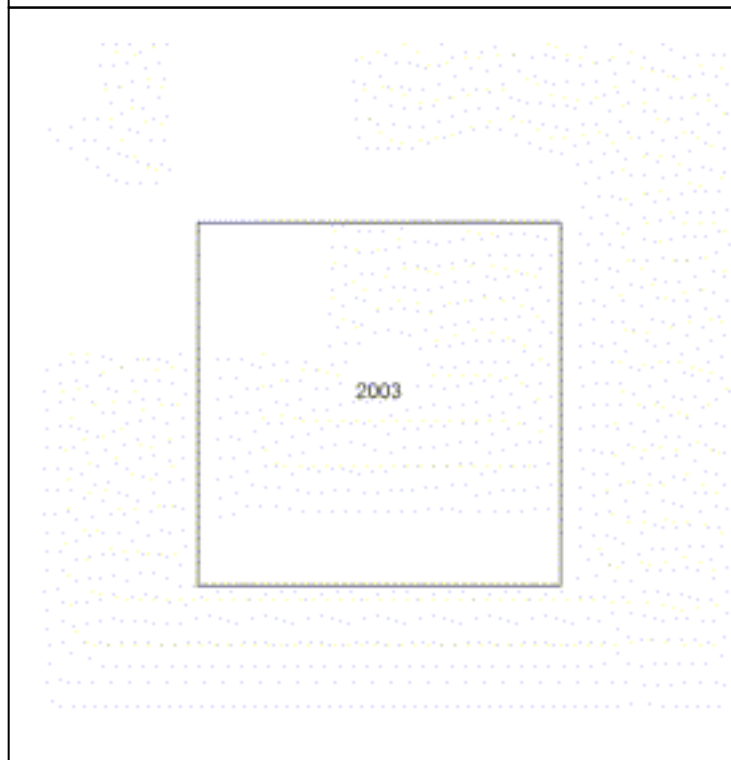
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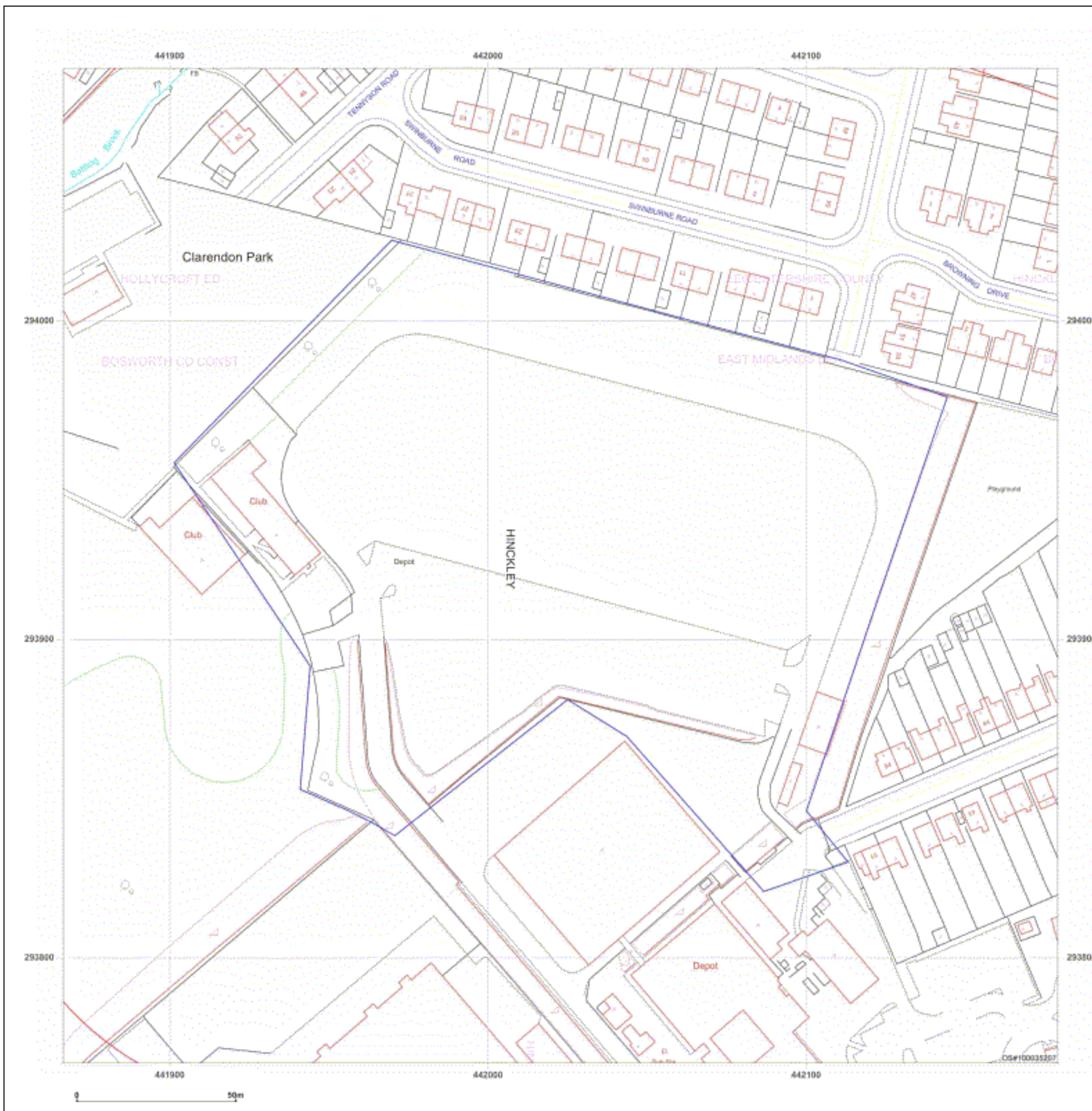


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Grid Ref: 442023, 293923

Map Name: County Series

Map date: 1886

Scale: 1:10,560

Printed at: 1:10,560



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Edition N/A
Copyright N/A
Levelled N/A

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Revised 1886
Edition N/A
Copyright N/A
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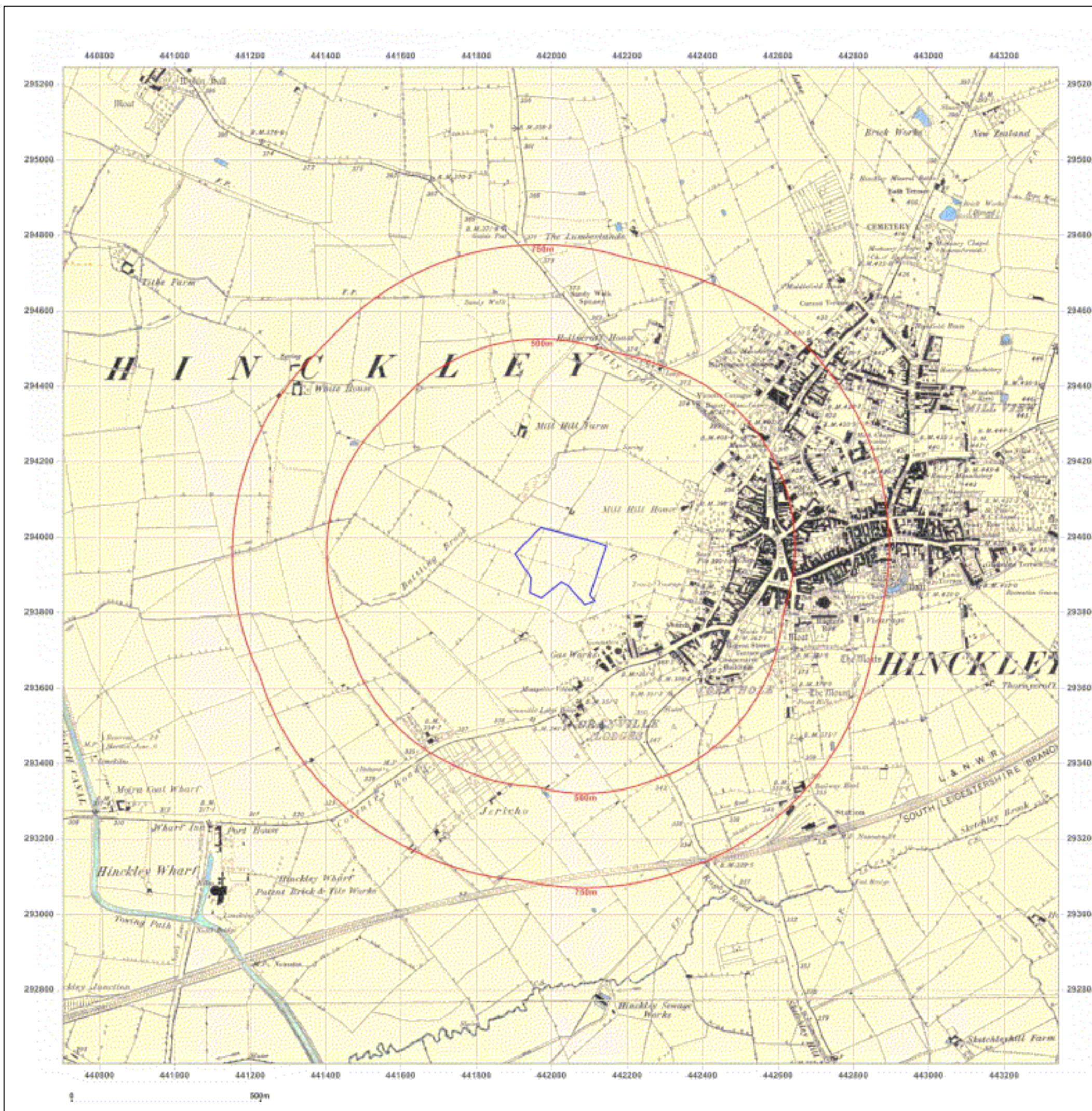


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: County Series

Map date: 1901

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed 1886
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

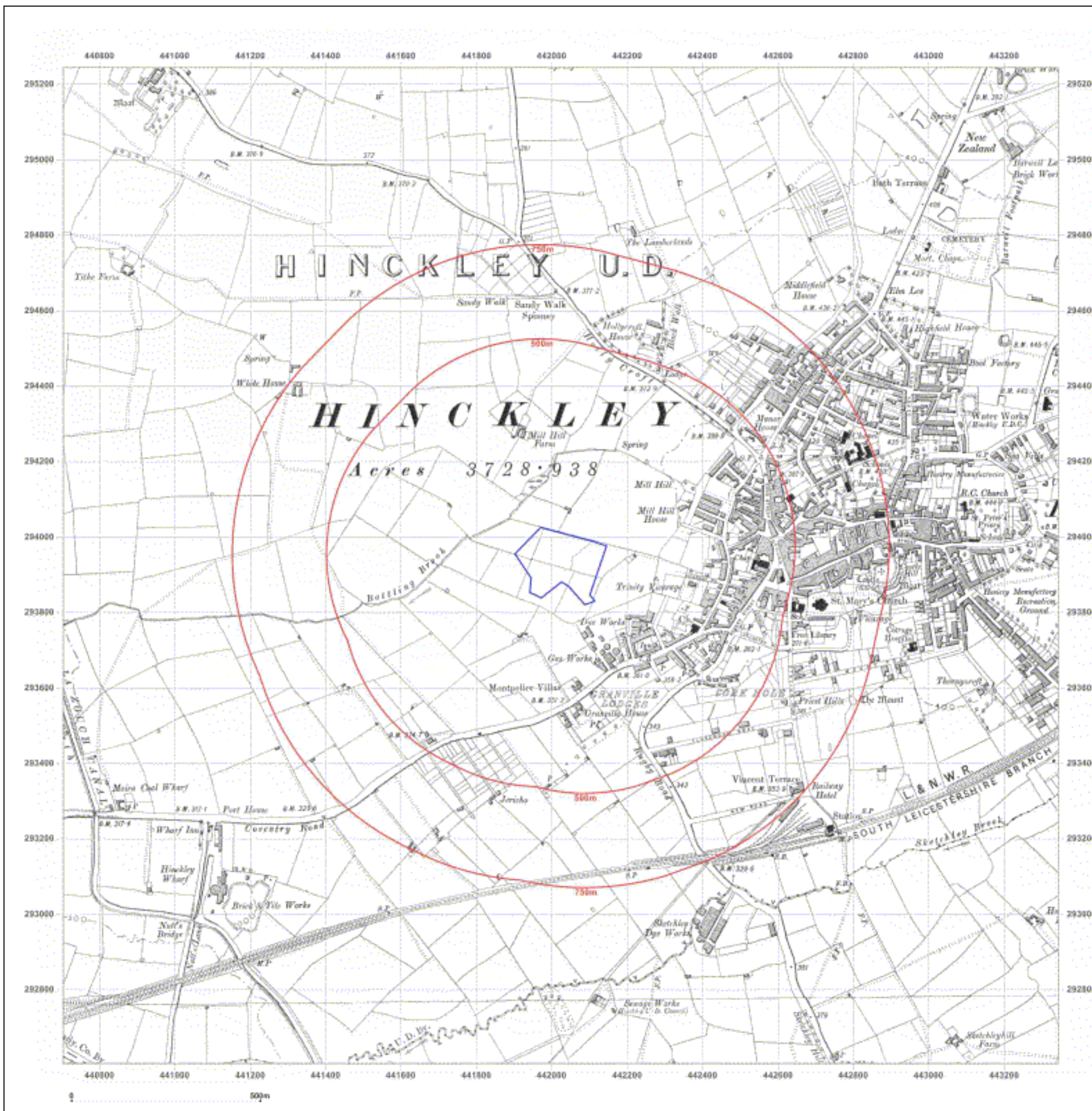


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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: County Series

Map date: 1923

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1886
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Edition N/A
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Surveyed 1886
Revised 1923
Edition N/A
Copyright N/A
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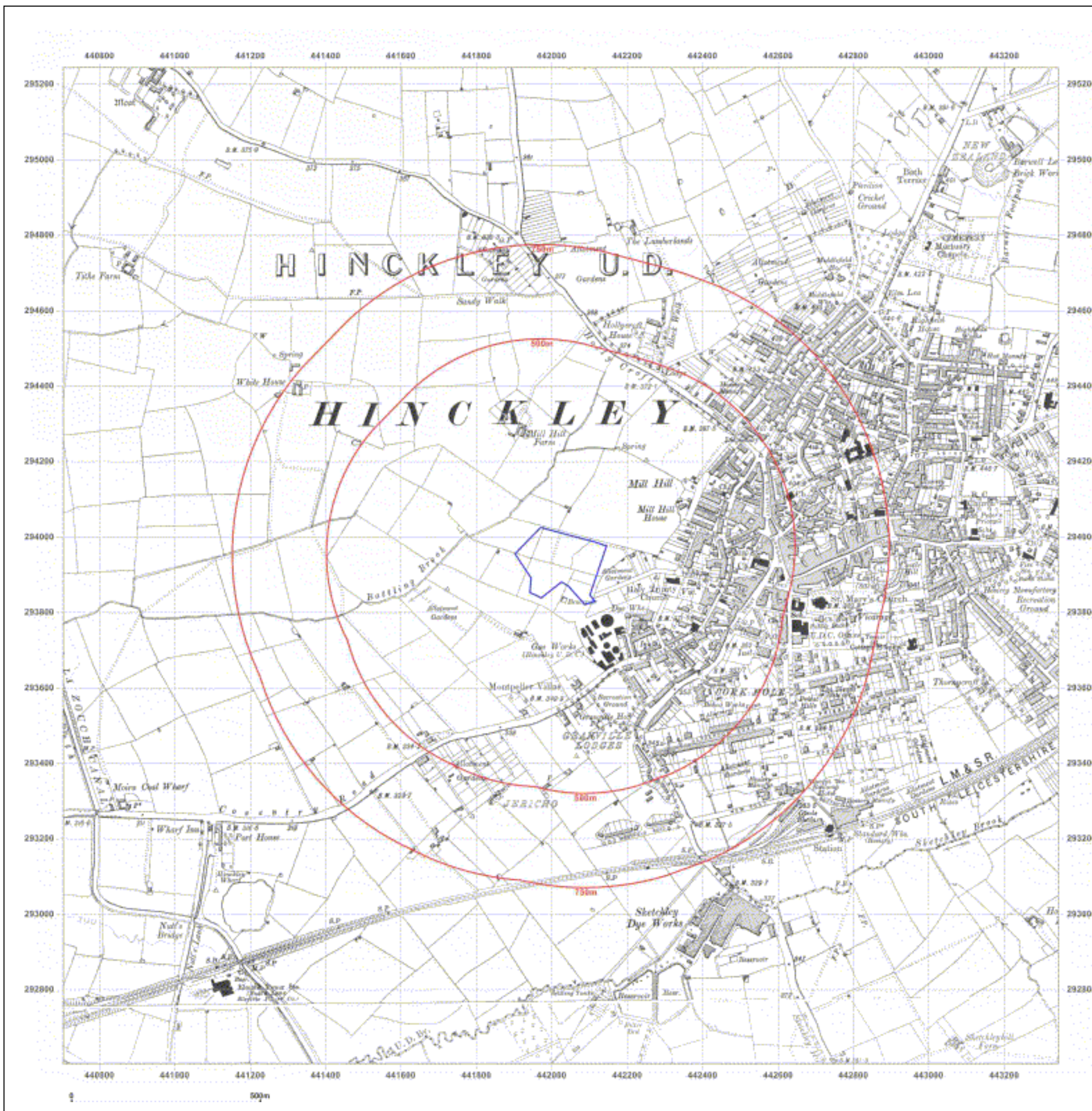


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Grid Ref: 442023, 293923

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: Provisional

Map date: 1950

Scale: 1:10,560

Printed at: 1:10,560



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Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: Provisional

Map date: 1967-1968

Scale: 1:10,560

Printed at: 1:10,560



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HINCKLEY, LE10 0NA

Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 1977-1980

Scale: 1:10,000

Printed at: 1:10,000



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Surveyed 1975
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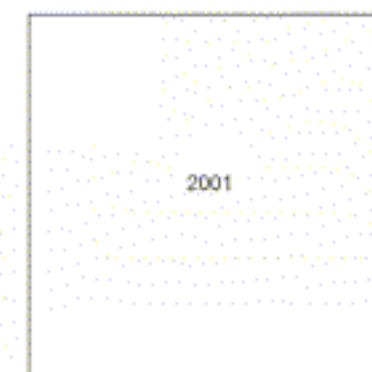
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Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

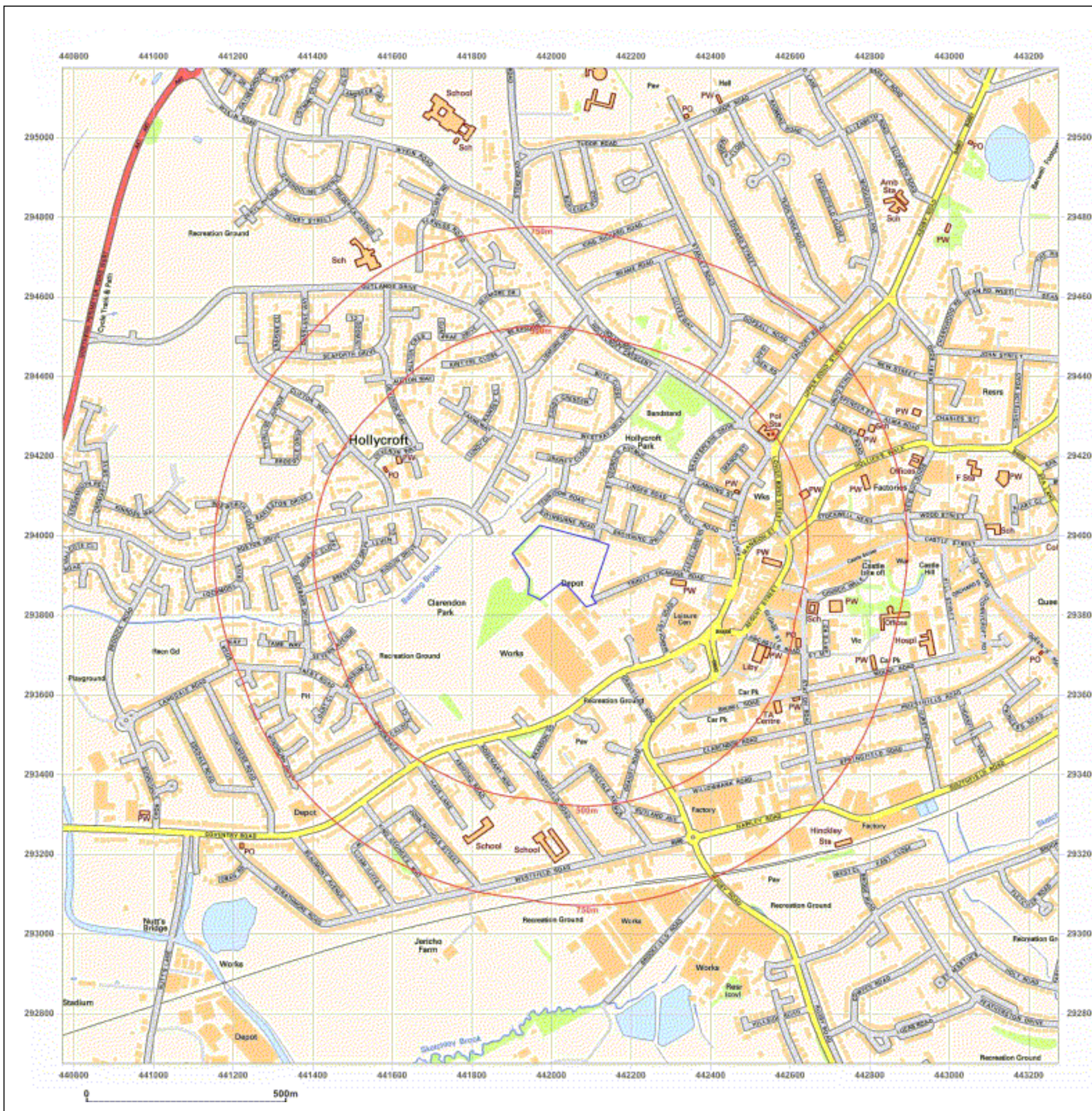


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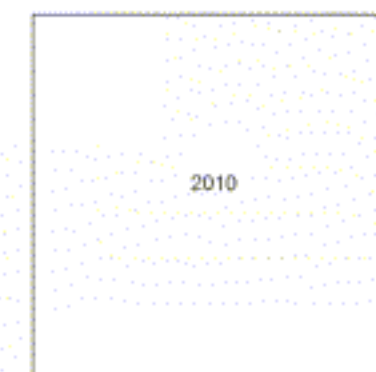
Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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BRICK KILN STREET,
HINCKLEY, LE10 0NA

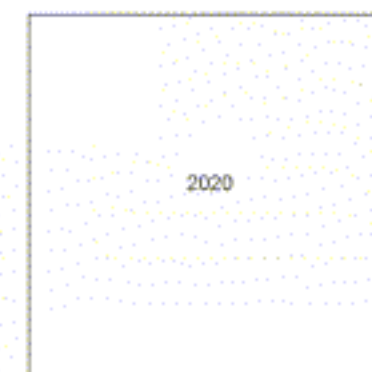
Client Ref: 25845
Report Ref: GS-7134471
Grid Ref: 442023, 293923

Map Name: National Grid

Map date: 2020

Scale: 1:10,000

Printed at: 1:10,000

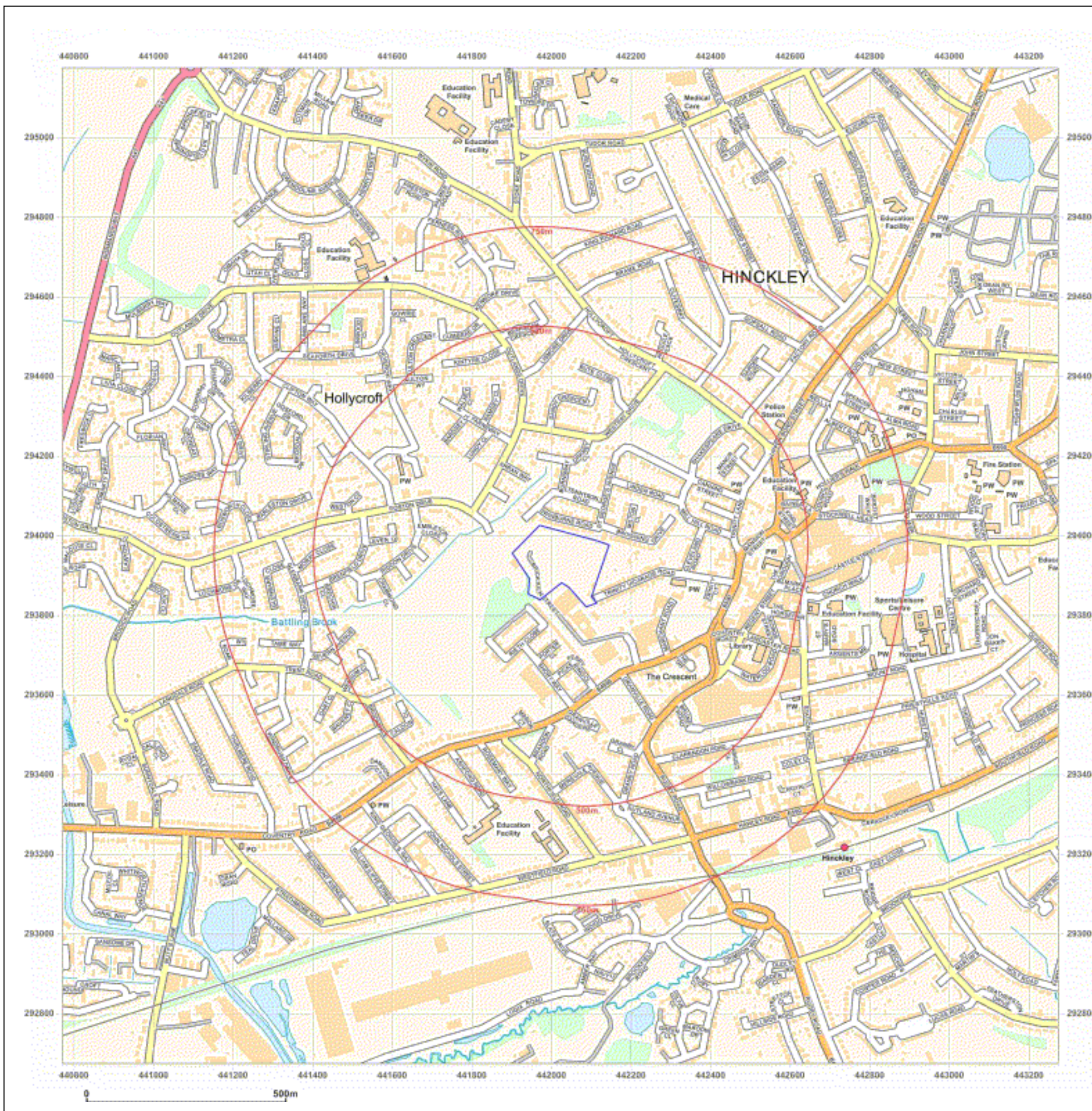


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Production date: 07 October 2020

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



APPENDIX D

CADENT GAS LTD, CADENT, BRICK KILN STREET, HINCKLEY, LE10 0NA

Order Details

Date: 07/10/2020
Your ref: 25845
Our Ref: GS-7134472
Client: Mewies Engineering Consultants Ltd

Site Details

Location: 442082 293867
Area: 3.01 ha
Authority: [Hinckley and Bosworth Borough Council](#)



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Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	4	7	16	10	-
16	1.2	Historical tanks	0	3	11	2	-
17	1.3	Historical energy features	1	2	11	11	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	6	7	-
19	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
20	2.1	Historical industrial land uses	4	9	23	14	-
22	2.2	Historical tanks	0	5	20	7	-
24	2.3	Historical energy features	1	3	25	23	-
26	2.4	Historical petrol stations	0	0	0	0	-
26	2.5	Historical garages	0	0	9	11	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
28	3.1	Active or recent landfill	0	0	0	0	-
28	3.2	Historical landfill (BGS records)	0	0	0	0	-
29	3.3	Historical landfill (LA/mapping records)	0	1	0	0	-
29	3.4	Historical landfill (EA/NRW records)	0	0	0	1	-
29	3.5	Historical waste sites	0	0	0	0	-
30	3.6	Licensed waste sites	0	0	1	0	-
30	3.7	Waste exemptions	0	0	0	2	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
31	4.1	Recent industrial land uses	1	1	11	-	-
32	4.2	Current or recent petrol stations	0	0	1	0	-
33	4.3	Electricity cables	0	0	0	0	-
33	4.4	Gas pipelines	0	0	0	0	-
33	4.5	Sites determined as Contaminated Land	0	0	0	0	-



33	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
33	4.7	Regulated explosive sites	0	0	0	0	-
34	4.8	Hazardous substance storage/usage	0	0	0	0	-
34	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
34	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
34	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	2	1	-
35	4.12	Radioactive Substance Authorisations	0	0	0	0	-
35	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	9	4	-
37	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
37	4.15	Pollutant release to public sewer	0	0	0	0	-
37	4.16	List 1 Dangerous Substances	0	0	0	0	-
38	4.17	List 2 Dangerous Substances	0	0	0	0	-
38	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	4	-
38	4.19	Pollution inventory substances	0	0	0	0	-
39	4.20	Pollution inventory waste transfers	0	0	0	0	-
39	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
40	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
42	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
43	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
45	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
45	5.5	Groundwater vulnerability- local information	None (within 0m)				
46	5.6	<u>Groundwater abstractions</u>	0	0	22	0	4
52	5.7	<u>Surface water abstractions</u>	0	0	0	0	4
53	5.8	Potable abstractions	0	0	0	0	0
53	5.9	Source Protection Zones	0	0	0	0	-
53	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
54	6.1	<u>Water Network (OS MasterMap)</u>	0	0	9	-	-



55	6.2	<u>Surface water features</u>	0	0	5	-	-
56	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
56	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
56	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
58	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
58	7.2	Historical Flood Events	0	0	0	-	-
58	7.3	Flood Defences	0	0	0	-	-
58	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
59	7.5	Flood Storage Areas	0	0	0	-	-
60	7.6	Flood Zone 2	None (within 50m)				
60	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
61	8.1	<u>Surface water flooding</u>	1 in 250 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
63	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
64	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
65	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
65	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
65	10.4	Special Protection Areas (SPA)	0	0	0	0	0
65	10.5	National Nature Reserves (NNR)	0	0	0	0	0
66	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
66	10.7	Designated Ancient Woodland	0	0	0	0	0
66	10.8	Biosphere Reserves	0	0	0	0	0
66	10.9	Forest Parks	0	0	0	0	0
67	10.10	Marine Conservation Zones	0	0	0	0	0
67	10.11	<u>Green Belt</u>	0	0	0	0	1
67	10.12	Proposed Ramsar sites	0	0	0	0	0



67	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
68	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
68	10.15	Nitrate Sensitive Areas	0	0	0	0	0
68	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	3
69	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
70	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
71	11.1	World Heritage Sites	0	0	0	-	-
72	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
72	11.3	National Parks	0	0	0	-	-
72	11.4	<u>Listed Buildings</u>	0	0	1	-	-
73	11.5	<u>Conservation Areas</u>	0	0	1	-	-
73	11.6	Scheduled Ancient Monuments	0	0	0	-	-
73	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
74	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
75	12.2	Open Access Land	0	0	0	-	-
75	12.3	Tree Felling Licences	0	0	0	-	-
75	12.4	Environmental Stewardship Schemes	0	0	0	-	-
75	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
76	13.1	Priority Habitat Inventory	0	0	0	-	-
76	13.2	Habitat Networks	0	0	0	-	-
76	13.3	Open Mosaic Habitat	0	0	0	-	-
76	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
77	14.1	<u>10k Availability</u>	Identified (within 500m)				
78	14.2	<u>Artificial and made ground (10k)</u>	1	0	0	0	-
79	14.3	<u>Superficial geology (10k)</u>	2	0	2	1	-



80	14.4	Landslip (10k)	0	0	0	0	-
81	14.5	<u>Bedrock geology (10k)</u>	1	0	0	0	-
82	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
83	15.1	<u>50k Availability</u>	Identified (within 500m)				
84	15.2	Artificial and made ground (50k)	0	0	0	0	-
84	15.3	Artificial ground permeability (50k)	0	0	-	-	-
85	15.4	<u>Superficial geology (50k)</u>	2	0	2	1	-
86	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
86	15.6	Landslip (50k)	0	0	0	0	-
86	15.7	Landslip permeability (50k)	None (within 50m)				
87	15.8	<u>Bedrock geology (50k)</u>	1	0	0	0	-
88	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
88	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
89	16.1	<u>BGS Boreholes</u>	1	3	9	-	-
Page	Section	Natural ground subsidence					
91	17.1	<u>Shrink swell clays</u>	Low (within 50m)				
92	17.2	<u>Running sands</u>	Very low (within 50m)				
94	17.3	<u>Compressible deposits</u>	Moderate (within 50m)				
96	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
97	17.5	<u>Landslides</u>	Very low (within 50m)				
98	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
99	18.1	Natural cavities	0	0	0	0	-
100	18.2	BritPits	0	0	0	0	-
100	18.3	<u>Surface ground workings</u>	0	3	3	-	-
100	18.4	Underground workings	0	0	0	0	0
101	18.5	<u>Historical Mineral Planning Areas</u>	0	0	1	0	-

101	18.6	Non-coal mining	0	0	0	0	0
101	18.7	Mining cavities	0	0	0	0	0
101	18.8	JPB mining areas	None (within 0m)				
102	18.9	Coal mining	None (within 0m)				
102	18.10	Brine areas	None (within 0m)				
102	18.11	Gypsum areas	None (within 0m)				
102	18.12	Tin mining	None (within 0m)				
102	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
103	19.1	Radon	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
104	20.1	BGS Estimated Background Soil Chemistry	5	1	-	-	-
104	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
105	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
106	21.1	Underground railways (London)	0	0	0	-	-
106	21.2	Underground railways (Non-London)	0	0	0	-	-
106	21.3	Railway tunnels	0	0	0	-	-
106	21.4	Historical railway and tunnel features	0	0	0	-	-
106	21.5	Royal Mail tunnels	0	0	0	-	-
107	21.6	Historical railways	0	0	0	-	-
107	21.7	Railways	0	0	0	-	-
107	21.8	Crossrail 1	0	0	0	0	-
107	21.9	Crossrail 2	0	0	0	0	-
107	21.10	HS2	0	0	0	0	-

Recent aerial photograph

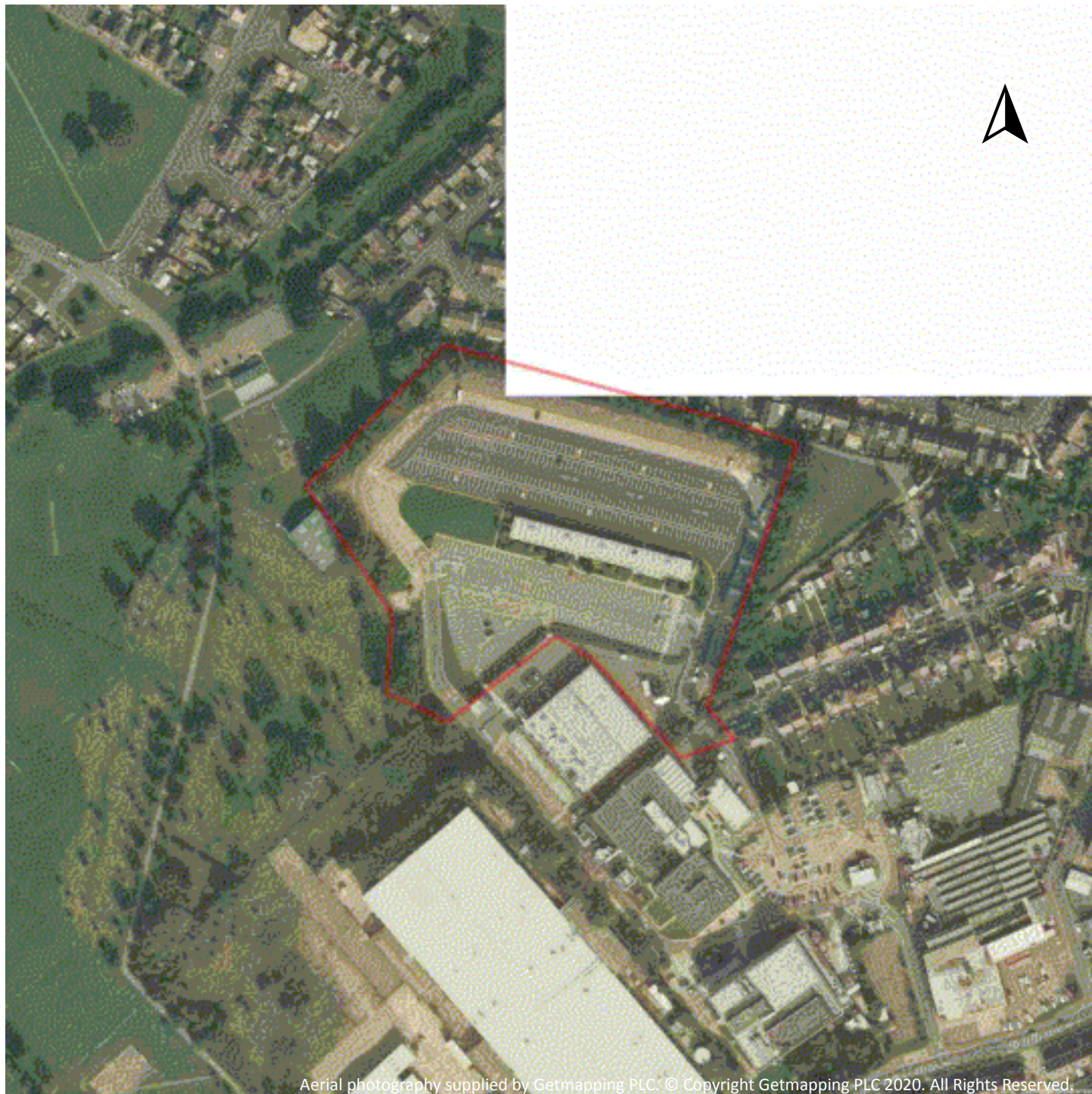


Capture Date: 22/09/2017

Site Area: 3.01ha



Recent site history - 2013 aerial photograph



Capture Date: 09/07/2013

Site Area: 3.01ha



Recent site history - 2010 aerial photograph



Capture Date: 03/06/2010

Site Area: 3.01ha



Recent site history - 2008 aerial photograph



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Capture Date: 20/09/2008

Site Area: 3.01ha



Recent site history - 1999 aerial photograph

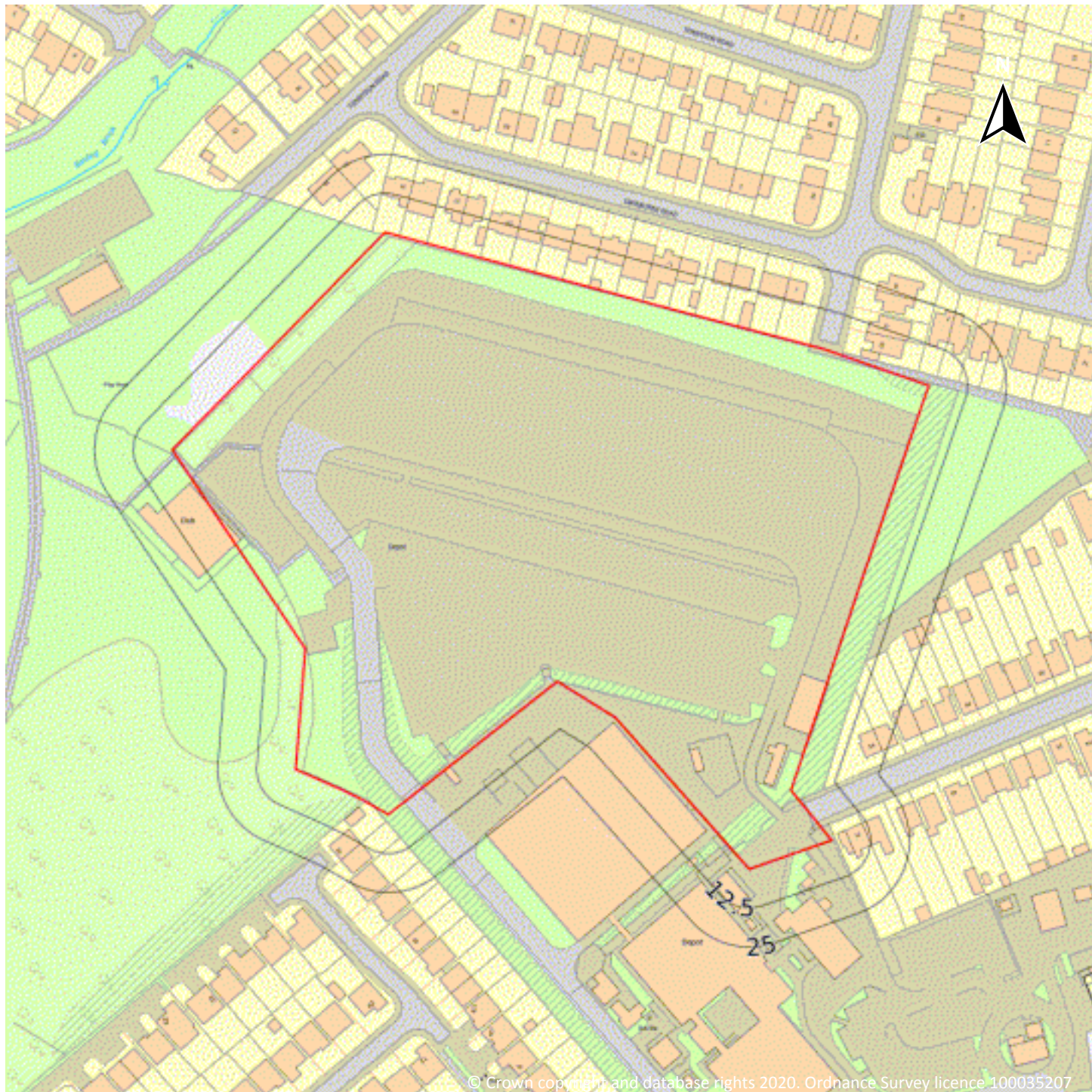


Capture Date: 27/10/1999

Site Area: 3.01ha



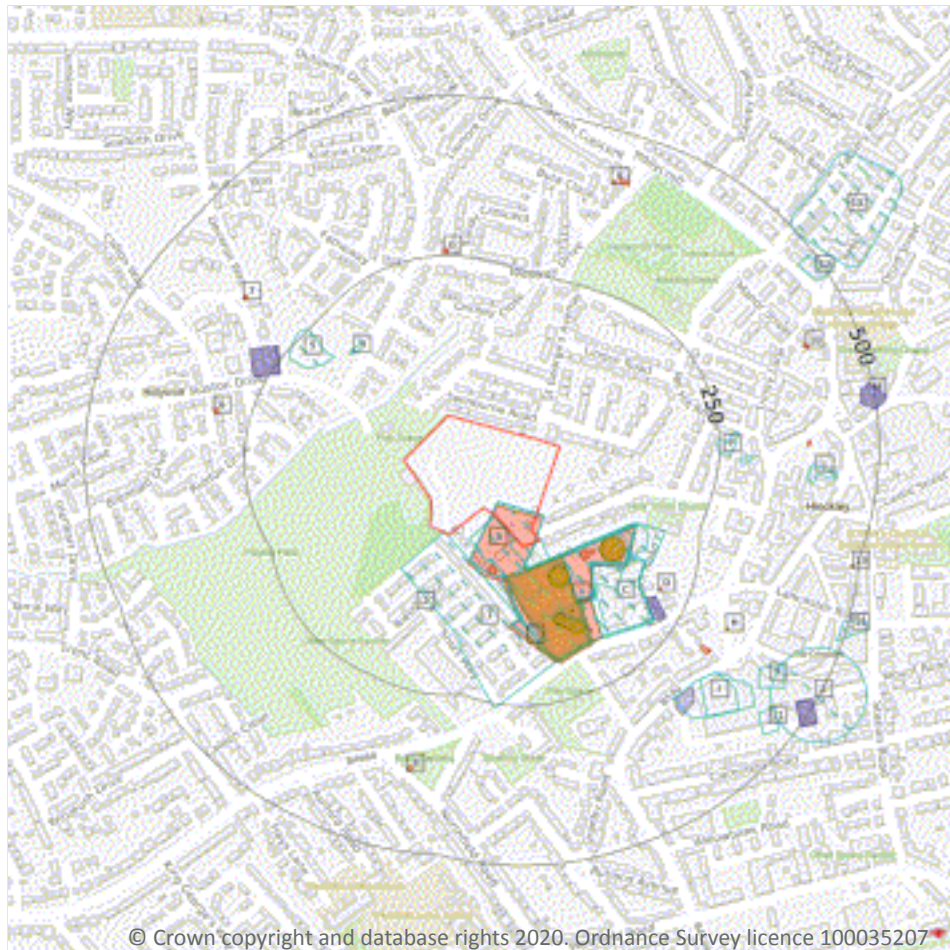
OS MasterMap site plan



Site Area: 3.01ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

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1.1 Historical industrial land uses

Records within 500m

37

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 14**

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Works	1977 - 1983	1792383



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Commercial/Industrial	1938	1752966
A	On site	Unspecified Works	1968	1794361
A	On site	Gas Works	1923	1837275
B	2m SW	Unspecified Depot	1977 - 1983	1837600
A	35m SE	Dye Works	1950	1803585
A	38m S	Gas Works	1901	1782017
A	45m SE	Gasometer	1923	1758527
A	45m SE	Unspecified Tank	1938 - 1950	1846275
A	50m SE	Gas Holders	1977	1760284
A	50m SE	Unspecified Tank	1968	1797314
C	88m SE	Dye Works	1923 - 1938	1781199
C	90m SE	Dye Works	1901	1849964
A	98m E	Gas Holders	1977 - 1983	1789143
A	98m E	Unspecified Tank	1950 - 1968	1826049
A	112m S	Unspecified Tanks	1950	1761460
A	113m SE	Gas Works	1886	1821921
A	115m S	Unspecified Tank	1901 - 1938	1795489
A	118m S	Unspecified Tank	1968	1810434
A	123m S	Gasometers	1886	1757439
A	123m E	Unspecified Tank	1938	1835706
A	134m SE	Unspecified Tank	1923 - 1938	1844919
A	136m SE	Gasometer	1901	1758528
A	139m SE	Gasometers	1886	1757438
4	170m NW	Unspecified Ground Workings	1968	1754844
5	192m NW	Unspecified Heaps	1968	1771905
F	247m E	Sand Pits	1886	1760448
F	283m E	Sand Pits	1886	1760447
I	325m SE	Unspecified Works	1923 - 1938	1838464



ID	Location	Land use	Dates present	Group ID
I	333m SE	Unspecified Works	1950	1798143
J	390m E	Telecomm Exchange	1983	1774243
9	398m SE	Nursery	1968	1772192
L	424m SE	Unspecified Hole	1938	1759422
11	436m SE	Unspecified Factory	1968	1765596
12	468m NE	Police Station	1968 - 1983	1795914
14	490m E	Bus Station	1968 - 1977	1791870
15	500m NE	Hosiery Manufactory	1886	1800483

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

16

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 ungrouped 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 14**

ID	Location	Land use	Dates present	Group ID
A	37m SE	Gas Works	1889 - 1903	301021
A	47m SE	Gasholder	1968 - 1972	294533
A	47m SE	Unspecified Tank	1960 - 1961	299522
A	50m SE	Gasometer	1924	285643
A	93m E	Unspecified Tank	1960 - 1961	299819
A	96m E	Gasholder	1968 - 1972	297659
A	97m E	Gas Holder	1986 - 1992	298057
A	117m S	Unspecified Tank	1960 - 1961	297439
A	118m SE	Unspecified Tank	1960 - 1961	291311
A	120m SE	Unspecified Tank	1924	295120



ID	Location	Land use	Dates present	Group ID
2	120m S	Tank or Trough	1889	288164
A	120m S	Gasometers	1903 - 1924	290062
A	126m S	Gasometers	1889	299791
3	142m S	Unspecified Tank	1972 - 1992	300460
H	324m SE	Unspecified Tank	1968 - 1972	297388
13	487m E	Unspecified Tank	1960 - 1992	299104

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	25
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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 ungrouped 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 14**

ID	Location	Land use	Dates present	Group ID
A	On site	Urban District Council Gas Works	1924	171795
A	37m SE	Gas Works	1889 - 1903	184216
A	47m SE	Gasholder	1968 - 1972	180885
A	50m SE	Gasometer	1924	171109
B	55m SW	Electricity Substation	1972 - 1992	178926
A	66m E	Gas Governor	1968 - 1992	185495
A	79m E	Electricity Substation	1972 - 1992	185074
A	96m E	Gasholder	1968 - 1972	186083
A	97m E	Gas Holder	1986 - 1992	177534
A	117m SE	Electricity Substation	1986 - 1992	184736
A	120m S	Gasometers	1903 - 1924	178285
A	126m S	Gasometers	1889	176197

ID	Location	Land use	Dates present	Group ID
A	158m SE	Electricity Substation	1968 - 1972	175919
D	202m E	Electricity Substation	1986 - 1992	180395
G	254m N	Electricity Substation	1993	183087
G	255m N	Electricity Substation	1969 - 1991	187095
6	299m W	Electricity Substation	1969 - 1993	183030
H	302m SE	Electricity Substation	1986 - 1992	184844
H	315m SE	Electricity Substation	1972	178044
7	352m NW	Electricity Substation	1991 - 1993	175006
8	366m S	Electricity Substation	1976 - 1997	174290
J	388m E	Electricity Substation	1986 - 1997	186011
10	412m NE	Electricity Substation	1997	169721
K	418m N	Electricity Substation	1968	169723
K	422m N	Electricity Substation	1993	169724

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 ungrouped 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

13

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 ungrouped 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 14**

ID	Location	Land use	Dates present	Group ID
D	191m SE	Garage	1986 - 1992	60356
D	195m SE	Garage	1960	55811
D	195m SE	Garage	1961 - 1972	60172
E	237m NW	Garage	1993	56982
E	237m NW	Garage	1983	55344
E	238m NW	Garage	1991	56262
I	327m SE	Garage	1968 - 1972	59749
L	474m SE	Garage	1997	55258
L	475m SE	Garage	1986 - 1992	58960
L	476m SE	Garage	1969	56973
M	476m E	Garage	1960	59292
M	476m E	Garage	1997	56248
M	476m E	Garage	1966 - 1986	57736

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

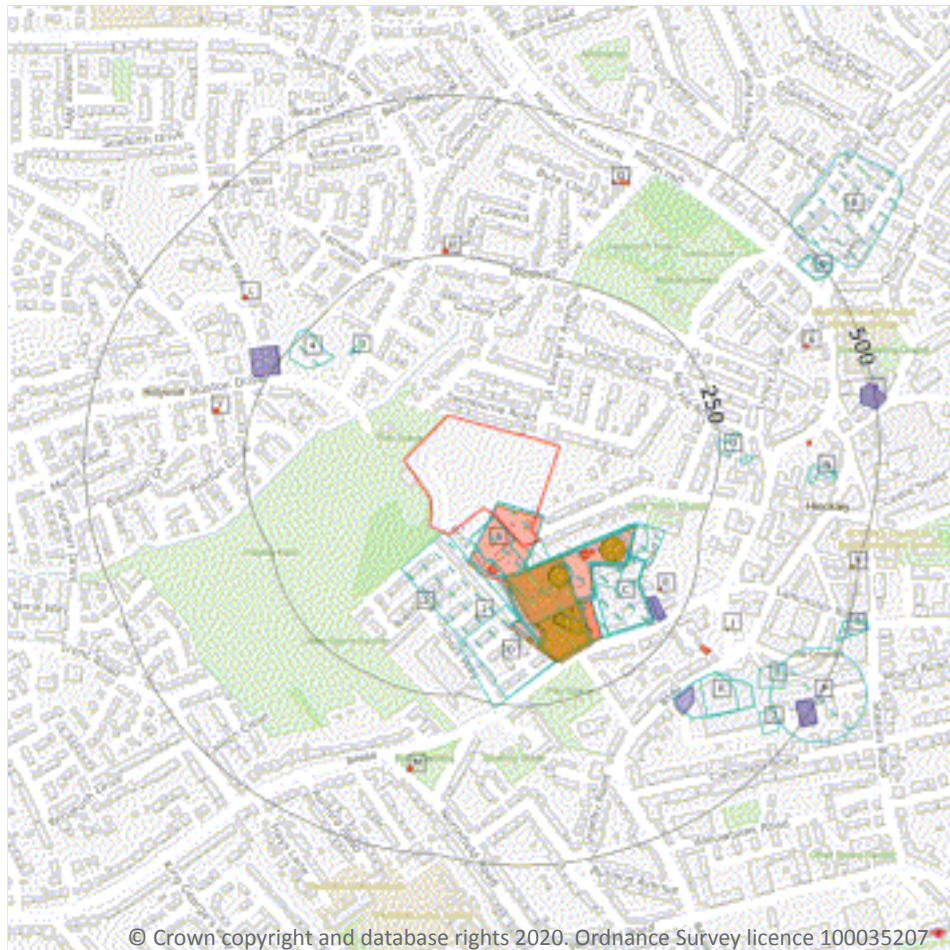
Records within 500m

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

50

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 20**

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Works	1983	1792383
A	On site	Gas Works	1923	1837275
A	On site	Unspecified Works	1968	1794361

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Commercial/Industrial	1938	1752966
B	2m SW	Unspecified Depot	1977	1837600
B	2m SW	Unspecified Depot	1983	1837600
A	35m SE	Dye Works	1950	1803585
A	38m S	Gas Works	1901	1782017
A	45m SE	Gasometer	1923	1758527
A	45m SE	Unspecified Tank	1938	1846275
A	47m SE	Unspecified Tank	1950	1846275
A	50m SE	Gas Holders	1977	1760284
A	50m SE	Unspecified Tank	1968	1797314
C	88m SE	Dye Works	1923	1781199
C	88m E	Dye Works	1938	1781199
C	90m SE	Dye Works	1901	1849964
D	96m S	Unspecified Works	1977	1792383
A	98m E	Gas Holders	1977	1789143
A	98m E	Gas Holders	1983	1789143
A	98m E	Unspecified Tank	1968	1826049
A	103m E	Unspecified Tank	1950	1826049
A	112m S	Unspecified Tanks	1950	1761460
A	113m SE	Gas Works	1886	1821921
A	115m S	Unspecified Tank	1923	1795489
A	115m S	Unspecified Tank	1938	1795489
A	117m S	Unspecified Tank	1901	1795489
A	118m S	Unspecified Tank	1968	1810434
A	123m S	Gasometers	1886	1757439
A	123m E	Unspecified Tank	1938	1835706
A	134m SE	Unspecified Tank	1923	1844919
A	134m SE	Unspecified Tank	1938	1844919



ID	Location	Land Use	Date	Group ID
A	136m SE	Gasometer	1901	1758528
A	139m SE	Gasometers	1886	1757438
3	170m NW	Unspecified Ground Workings	1968	1754844
4	192m NW	Unspecified Heaps	1968	1771905
G	247m E	Sand Pits	1886	1760448
G	283m E	Sand Pits	1886	1760447
K	325m SE	Unspecified Works	1923	1838464
K	325m SE	Unspecified Works	1938	1838464
K	333m SE	Unspecified Works	1950	1798143
N	390m E	Telecomm Exchange	1983	1774243
5	398m SE	Nursery	1968	1772192
P	424m SE	Unspecified Hole	1938	1759422
7	436m SE	Unspecified Factory	1968	1765596
Q	468m NE	Police Station	1977	1795914
Q	468m NE	Police Station	1983	1795914
Q	468m NE	Police Station	1968	1795914
T	490m E	Bus Station	1977	1791870
T	490m E	Bus Station	1968	1791870
8	500m NE	Hosiery Manufactory	1886	1800483

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

32

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 20**

ID	Location	Land Use	Date	Group ID
A	37m SE	Gas Works	1903	301021



ID	Location	Land Use	Date	Group ID
A	47m SE	Gasholder	1968	294533
A	47m SE	Gasholder	1972	294533
A	47m SE	Unspecified Tank	1961	299522
A	48m SE	Unspecified Tank	1960	299522
A	50m SE	Gasometer	1924	285643
A	93m E	Unspecified Tank	1960	299819
A	96m E	Gasholder	1968	297659
A	96m E	Gasholder	1972	297659
A	96m E	Unspecified Tank	1961	299819
A	97m E	Gas Holder	1986	298057
A	97m E	Gas Holder	1992	298057
A	116m SE	Gas Works	1889	301021
A	117m S	Unspecified Tank	1960	297439
A	117m S	Unspecified Tank	1961	297439
A	118m SE	Unspecified Tank	1961	291311
A	119m SE	Unspecified Tank	1960	291311
A	120m SE	Unspecified Tank	1924	295120
2	120m S	Tank or Trough	1889	288164
A	120m S	Gasometers	1903	290062
A	120m S	Gasometers	1924	290062
A	126m S	Gasometers	1889	299791
D	142m S	Unspecified Tank	1972	300460
D	143m S	Unspecified Tank	1986	300460
D	143m S	Unspecified Tank	1992	300460
J	324m SE	Unspecified Tank	1968	297388
J	324m SE	Unspecified Tank	1972	297388
S	487m E	Unspecified Tank	1960	299104
S	488m E	Unspecified Tank	1969	299104



ID	Location	Land Use	Date	Group ID
S	488m E	Unspecified Tank	1961	299104
S	489m E	Unspecified Tank	1986	299104
S	489m E	Unspecified Tank	1992	299104

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

52

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 20**

ID	Location	Land Use	Date	Group ID
A	On site	Urban District Council Gas Works	1924	171795
A	37m SE	Gas Works	1903	184216
A	47m SE	Gasholder	1968	180885
A	47m SE	Gasholder	1972	180885
A	50m SE	Gasometer	1924	171109
B	55m SW	Electricity Substation	1972	178926
B	56m SW	Electricity Substation	1986	178926
B	56m SW	Electricity Substation	1992	178926
A	66m E	Gas Governor	1968	185495
A	66m E	Gas Governor	1972	185495
A	68m E	Gas Governor	1986	185495
A	68m E	Gas Governor	1992	185495
A	79m E	Electricity Substation	1972	185074
A	80m E	Electricity Substation	1986	185074
A	80m E	Electricity Substation	1992	185074
A	96m E	Gasholder	1968	186083
A	96m E	Gasholder	1972	186083



ID	Location	Land Use	Date	Group ID
A	97m E	Gas Holder	1986	177534
A	97m E	Gas Holder	1992	177534
A	116m SE	Gas Works	1889	184216
A	117m SE	Electricity Substation	1986	184736
A	117m SE	Electricity Substation	1992	184736
A	120m S	Gasometers	1903	178285
A	120m S	Gasometers	1924	178285
A	126m S	Gasometers	1889	176197
A	158m SE	Electricity Substation	1968	175919
A	158m SE	Electricity Substation	1972	175919
E	202m E	Electricity Substation	1986	180395
E	202m E	Electricity Substation	1992	180395
H	254m N	Electricity Substation	1993	183087
H	255m N	Electricity Substation	1991	187095
H	255m N	Electricity Substation	1983	187095
H	255m N	Electricity Substation	1969	187095
I	299m W	Electricity Substation	1969	183030
I	299m W	Electricity Substation	1993	183030
I	300m W	Electricity Substation	1983	183030
I	300m W	Electricity Substation	1991	183030
J	302m SE	Electricity Substation	1986	184844
J	302m SE	Electricity Substation	1992	184844
J	315m SE	Electricity Substation	1972	178044
L	352m NW	Electricity Substation	1993	175006
L	353m NW	Electricity Substation	1991	175006
M	366m S	Electricity Substation	1976	174290
M	366m S	Electricity Substation	1997	174290
M	367m S	Electricity Substation	1987	174290



ID	Location	Land Use	Date	Group ID
M	367m S	Electricity Substation	1990	174290
N	388m E	Electricity Substation	1986	186011
N	388m E	Electricity Substation	1992	186011
N	388m E	Electricity Substation	1997	186011
6	412m NE	Electricity Substation	1997	169721
O	418m N	Electricity Substation	1968	169723
O	422m N	Electricity Substation	1993	169724

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

20

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 20**

ID	Location	Land Use	Date	Group ID
E	191m SE	Garage	1992	60356
E	191m SE	Garage	1986	60356
E	195m SE	Garage	1960	55811
E	195m SE	Garage	1968	60172
E	195m SE	Garage	1972	60172
E	195m SE	Garage	1961	60172



ID	Location	Land Use	Date	Group ID
F	237m NW	Garage	1993	56982
F	237m NW	Garage	1983	55344
F	238m NW	Garage	1991	56262
K	327m SE	Garage	1968	59749
K	327m SE	Garage	1972	59749
P	474m SE	Garage	1997	55258
P	475m SE	Garage	1992	58960
P	475m SE	Garage	1986	58960
P	476m SE	Garage	1969	56973
R	476m E	Garage	1960	59292
R	476m E	Garage	1960	59292
R	476m E	Garage	1997	56248
R	476m E	Garage	1966	57736
R	476m E	Garage	1986	57736

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (LA/OS)
- Licensed 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

1

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

Features are displayed on the Waste and landfill map on **page 28**

ID	Location	Site address	Source	Data type
1	7m SW	Refuse Tip	1968 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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 28**

ID	Location	Details		
3	345m N	Site Address: Bute Close Landfill Site, Bute Close, Hinckley, Hinckley and Bosworth Licence Holder Address: -	Waste Licence: - Site Reference: GDO 215 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: 31/12/1961

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

3.5 Historical waste sites

Records within 500m

0

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

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



3.6 Licensed waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 28**

ID	Location	Details		
2	129m S	Site Name: Hinckley Site Site Address: National Grid Site, Brick Kiln Street, Hinckley, Leicestershire, LE10 0NE Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CEL016 EPR reference: EA/EPR/AB3006LP/V002 Operator: Celtic Technologies Limited Waste Management licence No: 400321 Annual Tonnage: 87600	Issue Date: 27/08/2013 Effective Date: - Modified:: 17/08/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

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

3.7 Waste exemptions

Records within 500m

2

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.

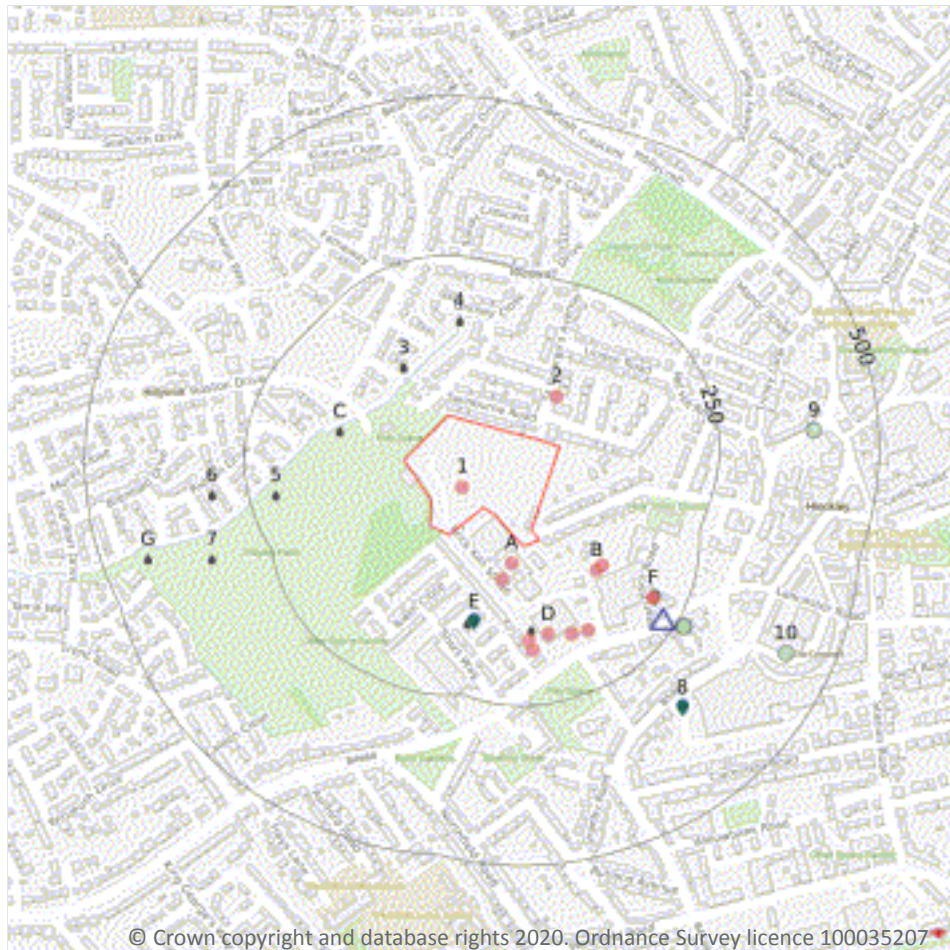
Features are displayed on the Waste and landfill map on **page 28**

ID	Location	Site	Reference	Category	Sub-Category	Description
4	381m NW	1 Clifton Way HINCKLEY Leicestershire LE10 0XN	EPR/MF0800T U/A001	Treating waste exemption	Non- Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
5	499m SE	The Crescent Brunel Road Hinkley LE10 0AA	EPR/HF0132D B/A001	Treating waste exemption	Non- Agricultural Waste Only	Screening and blending of waste

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
- ◆ Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

13

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Company	Address	Activity	Category
1	On site	Depot	Leicestershire, LE10	Container and Storage	Transport, Storage and Delivery
A	32m SW	Depot	Leicestershire, LE10	Container and Storage	Transport, Storage and Delivery
A	61m SW	Electricity Sub Station	Leicestershire, LE10	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
2	74m N	Electricity Sub Station	Leicestershire, LE10	Electrical Features	Infrastructure and Facilities
B	101m SE	Pylon	Leicestershire, LE10	Electrical Features	Infrastructure and Facilities
B	106m E	Mast (Radio)	Leicestershire, LE10	Telecommunications Features	Infrastructure and Facilities
D	143m S	Cadent Gas Ltd	Brick Kiln Street, Hinckley, Leicestershire, LE10 0NA	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
D	147m S	Tank	Leicestershire, LE10	Tanks (Generic)	Industrial Features
D	154m S	Tank	Leicestershire, LE10	Tanks (Generic)	Industrial Features
D	160m SE	Electricity Sub Station	Leicestershire, LE10	Electrical Features	Infrastructure and Facilities
D	164m S	Electricity Sub Station	Leicestershire, LE10	Electrical Features	Infrastructure and Facilities
F	199m SE	Progni Hand Car Wash	55, Coventry Road, Hinckley, Leicestershire, LE10 0JR	Vehicle Cleaning Services	Personal, Consumer and Other Services
F	199m SE	East Green Garage	55, Coventry Road, Hinckley, Leicestershire, LE10 0JR	Vehicle Repair, Testing and Servicing	Repair and Servicing

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 31**

ID	Location	Company	Address	LPG	Status
F	228m SE	JET	55, Coventry Road, Marchant Road, Hinckley, Leicestershire, LE10 0JR	Not Applicable	Obsolete

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
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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
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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
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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

0

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.

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 31**

ID	Location	Address	Details	
E	141m SW	Jarvis Porter Ltd, Coventry Rd, Hinckley, LE10 0JJ	Process: Printing Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	200m SE	Coventry Road Service Station, Coventry Road, Hinckley, LE10 0NB	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
8	344m SE	Hinckley Dry Cleaners, Rugby Road, Hinckley, LE10 0QD	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

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

4.13 Licensed Discharges to controlled waters

Records within 500m	13
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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 31**

ID	Location	Address	Details	
3	102m NW	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000
C	110m NW	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000
C	110m NW	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000



ID	Location	Address	Details	
C	110m NW	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000
D	133m S	BRICK KILN STREET, HINCKLEY	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD008079 Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW CONSENT (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/07/2009 Effective Date: 17/08/2009 Revocation Date: 01/04/2012
D	133m S	BRICK KILN STREET, HINCKLEY	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD008079 Permit Version: 2 Receiving Water: GROUNDWATER	Status: VARIED UNDER EPR 2010 Issue date: 02/04/2012 Effective Date: 02/04/2012 Revocation Date: -
E	141m S	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000
4	148m N	WESTRAY DRIVE CSO, OFF WESTRAY DRIVE, HINCKLEY, LEICESTERSHIRE, LE10 OTL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/19/20313/O Permit Version: 2 Receiving Water: BATTLING BROOK	Status: VARIED UNDER EPR 2010 Issue date: 09/12/2019 Effective Date: 09/12/2019 Revocation Date: -
5	208m W	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000
6	306m W	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000



ID	Location	Address	Details	
7	339m SW	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000
G	430m W	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000
G	430m W	STAPLETON LANE SWS, BARWELL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/20/03755/O Permit Version: 1 Receiving Water: SIBSON BROOK	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/10/1979 Effective Date: 27/10/1979 Revocation Date: 27/03/2000

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

4

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 31**

ID	Location	Details	
F	263m SE	Incident Date: 22/10/2009 Incident Identification: 727035 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
F	263m SE	Incident Date: 22/10/2009 Incident Identification: 727035 Pollutant: Specific Waste Materials Pollutant Description: Contaminated Construction & Demolition Mat & Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
9	398m E	Incident Date: 29/09/2003 Incident Identification: 193144 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
10	423m SE	Incident Date: 17/01/2003 Incident Identification: 131706 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) 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

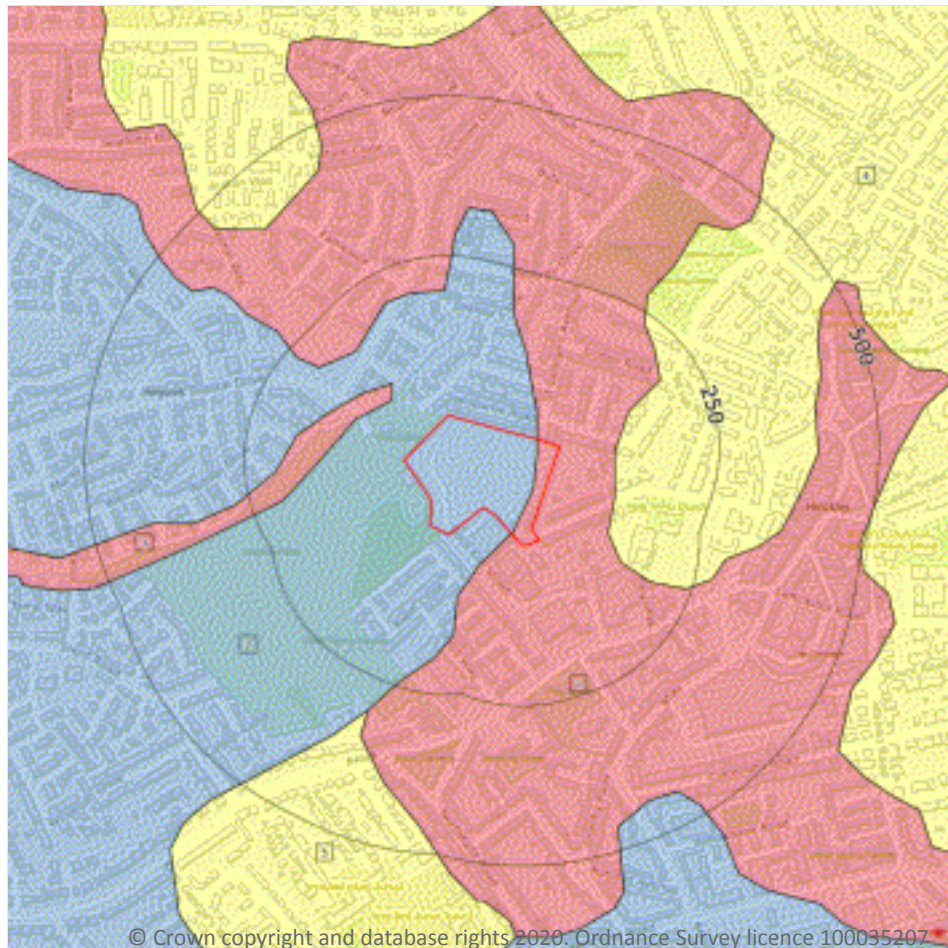
Records within 500m

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

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5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 40**

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	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

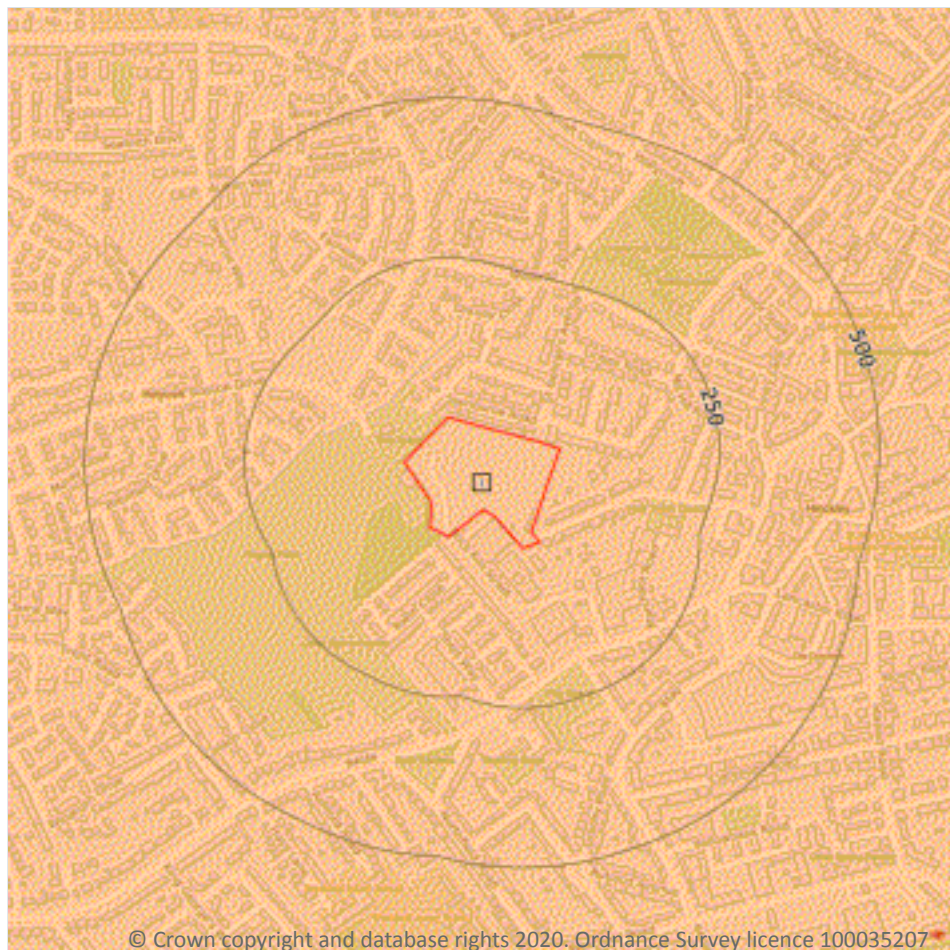


ID	Location	Designation	Description
3	79m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	87m E	Secondary 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
5	302m 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

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.

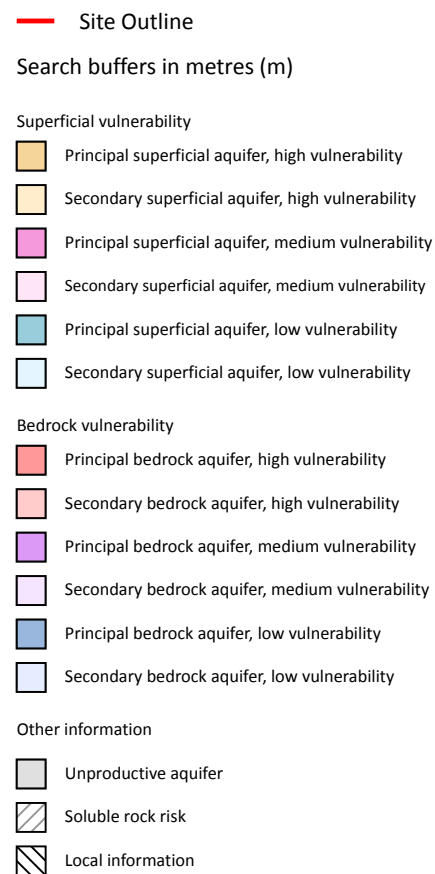
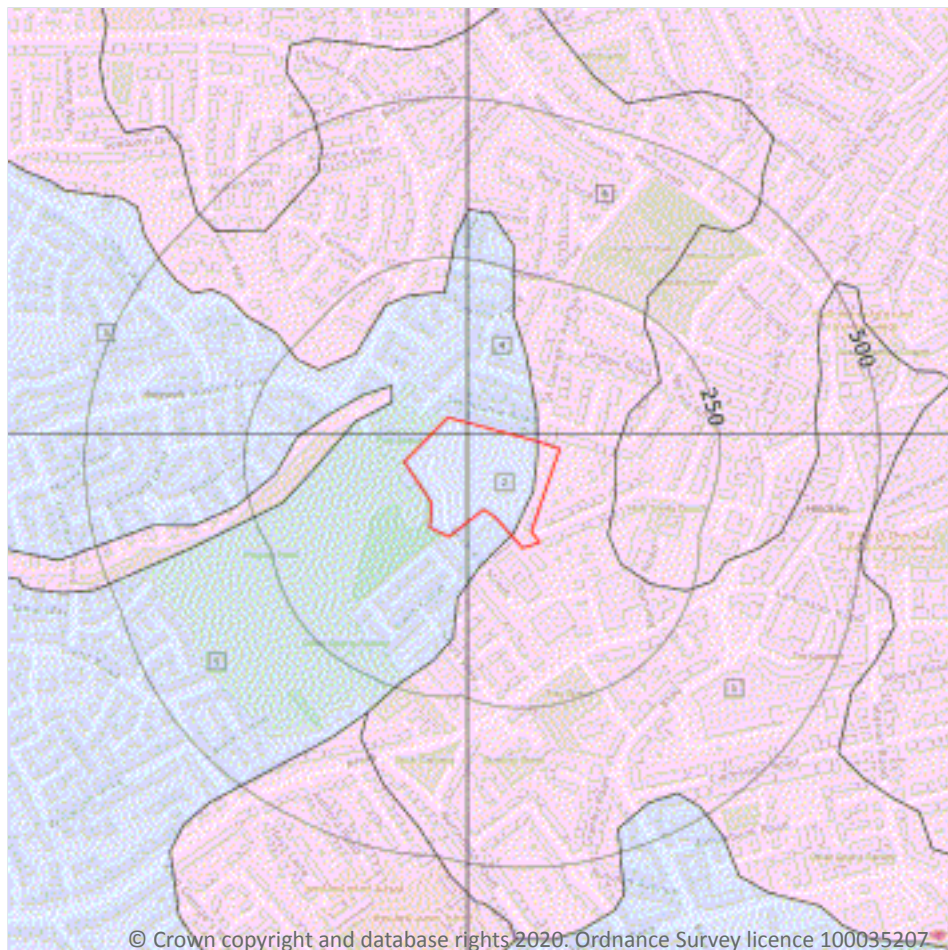
Features are displayed on the Bedrock aquifer map on **page 42**

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 permeable horizons 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



5.3 Groundwater vulnerability

Records within 50m

6

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 43**

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: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
6	11m N	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low 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

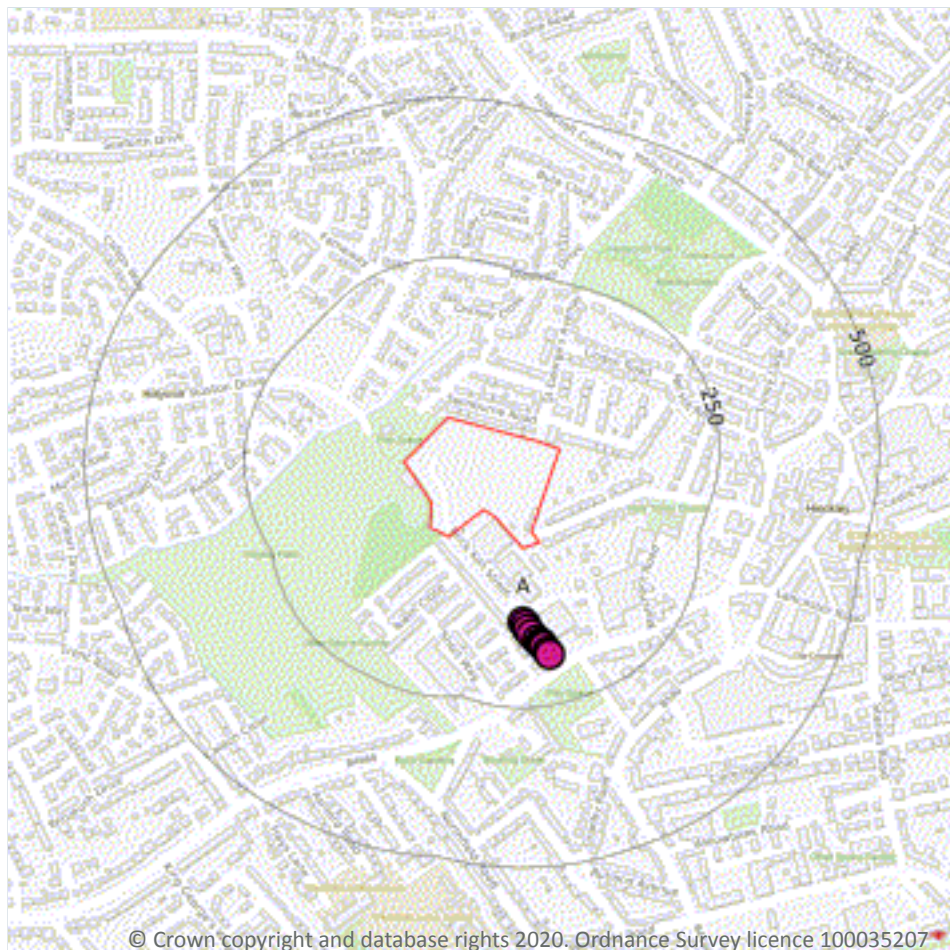
Records on site

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
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

26

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 46**

ID	Location	Details	
A	114m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH115C Data Type: Point Name: Celtic Technologies Limited Easting: 442087 Northing: 293706	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	114m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH115C Data Type: Point Name: Celtic Technologies Limited Easting: 442087 Northing: 293706	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	119m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CHB116 Data Type: Point Name: Celtic Technologies Limited Easting: 442091 Northing: 293701	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	119m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CHB116 Data Type: Point Name: Celtic Technologies Limited Easting: 442091 Northing: 293701	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	127m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH117C Data Type: Point Name: Celtic Technologies Limited Easting: 442095 Northing: 293694	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -



ID	Location	Details	
A	127m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH117C Data Type: Point Name: Celtic Technologies Limited Easting: 442095 Northing: 293694	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	135m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH118 Data Type: Point Name: Celtic Technologies Limited Easting: 442100 Northing: 293686	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	135m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH118 Data Type: Point Name: Celtic Technologies Limited Easting: 442100 Northing: 293686	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	145m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH5A Data Type: Point Name: Celtic Technologies Limited Easting: 442109 Northing: 293677	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	145m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH5A Data Type: Point Name: Celtic Technologies Limited Easting: 442109 Northing: 293677	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -

ID	Location	Details	
A	151m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH6A Data Type: Point Name: Celtic Technologies Limited Easting: 442113 Northing: 293672	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	151m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH6A Data Type: Point Name: Celtic Technologies Limited Easting: 442113 Northing: 293672	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	151m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: DBH3 Data Type: Point Name: Celtic Technologies Limited Easting: 442115 Northing: 293672	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	151m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: DBH3 Data Type: Point Name: Celtic Technologies Limited Easting: 442115 Northing: 293672	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	153m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121B Data Type: Point Name: Celtic Technologies Limited Easting: 442117 Northing: 293670	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -

ID	Location	Details	
A	153m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121B Data Type: Point Name: Celtic Technologies Limited Easting: 442117 Northing: 293670	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	158m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121C Data Type: Point Name: Celtic Technologies Limited Easting: 442119 Northing: 293666	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	158m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121C Data Type: Point Name: Celtic Technologies Limited Easting: 442119 Northing: 293666	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
A	166m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH122 Data Type: Point Name: Celtic Technologies Limited Easting: 442126 Northing: 293659	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	166m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH122 Data Type: Point Name: Celtic Technologies Limited Easting: 442126 Northing: 293659	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -



ID	Location	Details	
A	170m S	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH123 Data Type: Point Name: Celtic Technologies Limited Easting: 442128 Northing: 293655	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
A	170m S	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH123 Data Type: Point Name: Celtic Technologies Limited Easting: 442128 Northing: 293655	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	976m S	Status: Historical Licence No: 03/28/19/0048 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: LAND NR HINCKLEY - WELL Data Type: Point Name: J K & M HOULDCROFT Easting: 441700 Northing: 292900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/04/1995 Version End Date: -
-	1275m E	Status: Historical Licence No: 03/28/19/0027 Details: Spray Irrigation - Direct Direct Source: Groundwater Midlands Region Point: HINCKLEY BOWLING CLUB - BOREHOLE Data Type: Point Name: HINCKLEY BOWLING CLUB Easting: 443400 Northing: 294200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 04/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/01/1966 Version End Date: -
-	1574m N	Status: Historical Licence No: 03/28/20/0079 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: HINCKLEY FIELDS FARM, HINCKLEY - WELL Data Type: Point Name: J ADCOCK & SONS Easting: 442000 Northing: 295600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 07/04/1965 Expiry Date: - Issue No: 100 Version Start Date: 30/08/1994 Version End Date: -



ID	Location	Details	
-	1751m N	Status: Historical Licence No: 03/28/20/0068 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: LOWER SUNNYSIDE FARM, WELL Data Type: Point Name: DENSON Easting: 442800 Northing: 295600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/02/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

4

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.

Features are displayed on the Abstractions and Source Protection Zones map on **page 46**

ID	Location	Details	
-	826m SE	Status: Historical Licence No: 03/28/19/0042 Details: Laundry Use Direct Source: Surface Water Midlands Region Point: SKETCHLEY LTD - SKETCHLEY BROOK Data Type: Point Name: JOHNSON TEXTILE SERVICES LTD Easting: 442500 Northing: 293100	Annual Volume (m ³): 772820 Max Daily Volume (m ³): 10910.4 Original Application No: - Original Start Date: 02/02/1971 Expiry Date: - Issue No: 101 Version Start Date: 22/06/2000 Version End Date: -
-	1033m SE	Status: Historical Licence No: 03/28/19/0043 Details: Process Water Direct Source: Surface Water Midlands Region Point: RICHARD ROBERTS HOLDINGS LTD - TRIB OF SKETCHLEY BROOK Data Type: Point Name: RICHARD ROBERTS HOLDINGS LTD Easting: 443000 Northing: 293300	Annual Volume (m ³): 83105.4 Max Daily Volume (m ³): 280.94 Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/10/1978 Version End Date: -



ID	Location	Details	
-	1240m SW	Status: Historical Licence No: 03/28/19/0084 Details: Dust suppression Direct Source: Surface Water Midlands Region Point: HINCKLEY GREYHOUND TRACK - ASHBY CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 440800 Northing: 293250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 03/08/1995 Expiry Date: - Issue No: 100 Version Start Date: 03/08/1995 Version End Date: -
-	1270m SW	Status: Historical Licence No: 03/28/19/0001 Details: Laundry Use Direct Source: Surface Water Midlands Region Point: SKETCHLEY LTD, HINCKLEY - ASHBY CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 441100 Northing: 292900	Annual Volume (m ³): 45000 Max Daily Volume (m ³): 3068.55 Original Application No: - Original Start Date: 29/09/1965 Expiry Date: - Issue No: 101 Version Start Date: 18/04/2008 Version End Date: -

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)

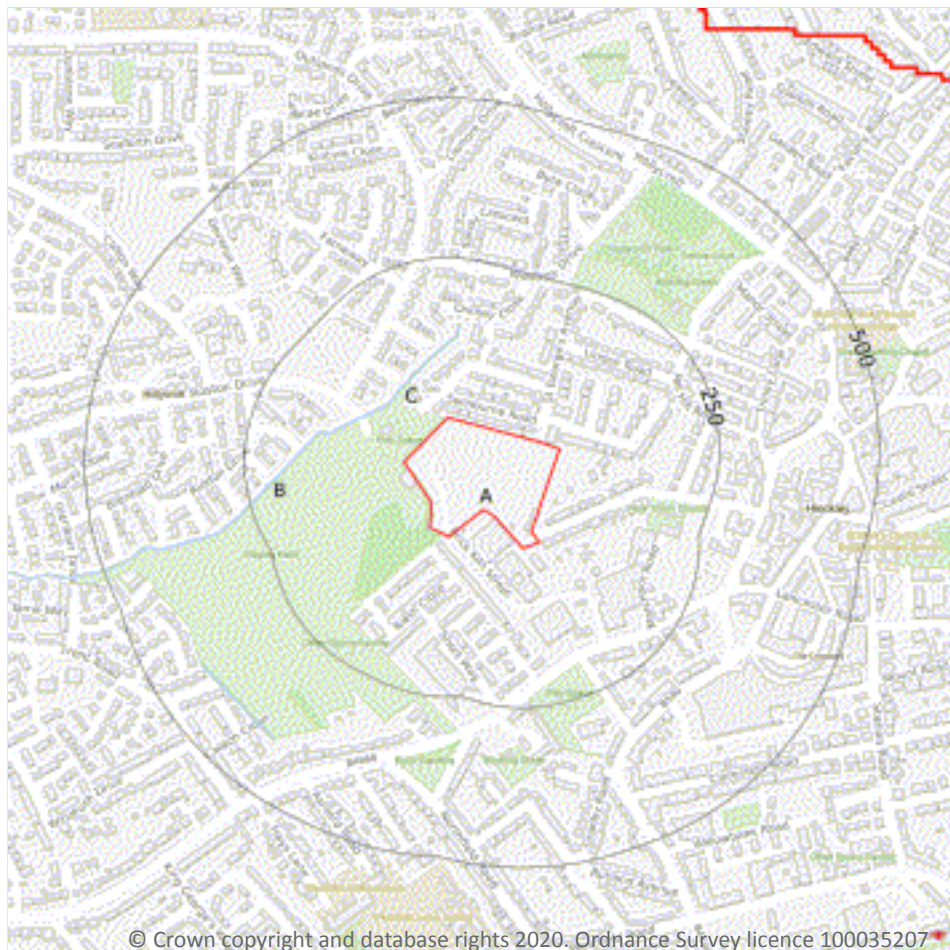
Records within 500m	0
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Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only 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

9

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 54**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	80m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Battling Brook

ID	Location	Type of water feature	Ground level	Permanence	Name
C	82m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	83m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Battling Brook
C	83m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Battling Brook
C	83m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Battling Brook
C	84m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Battling Brook
C	84m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	94m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	94m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Battling 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 54**

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 54**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Sketchley Brook from Source to River Anker	GB104028042470	Sence, Anker and Bourne Rivers and Lakes	Tame Anker and Mease

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 54**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	930m S	River	Sketchley Brook from Source to River Anker	GB104028042470	Moderate	Good	Moderate	2016

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 54**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Tame Anker Mease - Secondary Combined	<u>GB40402G990800</u>	Good	Good	Good	2015

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



7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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

7.2 Historical Flood Events

Records within 250m

0

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.

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.

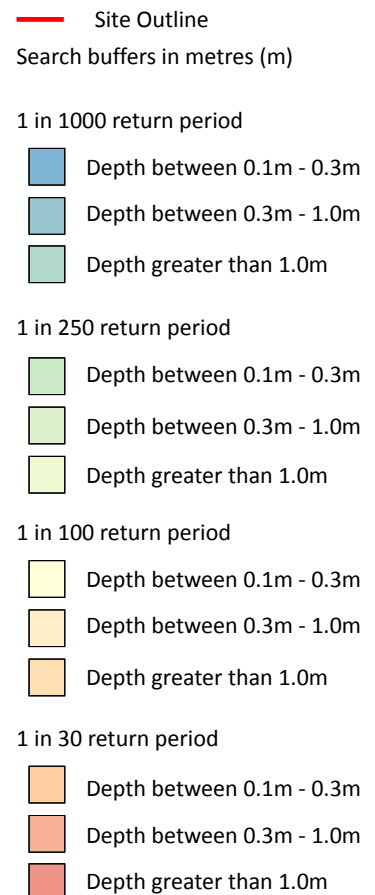
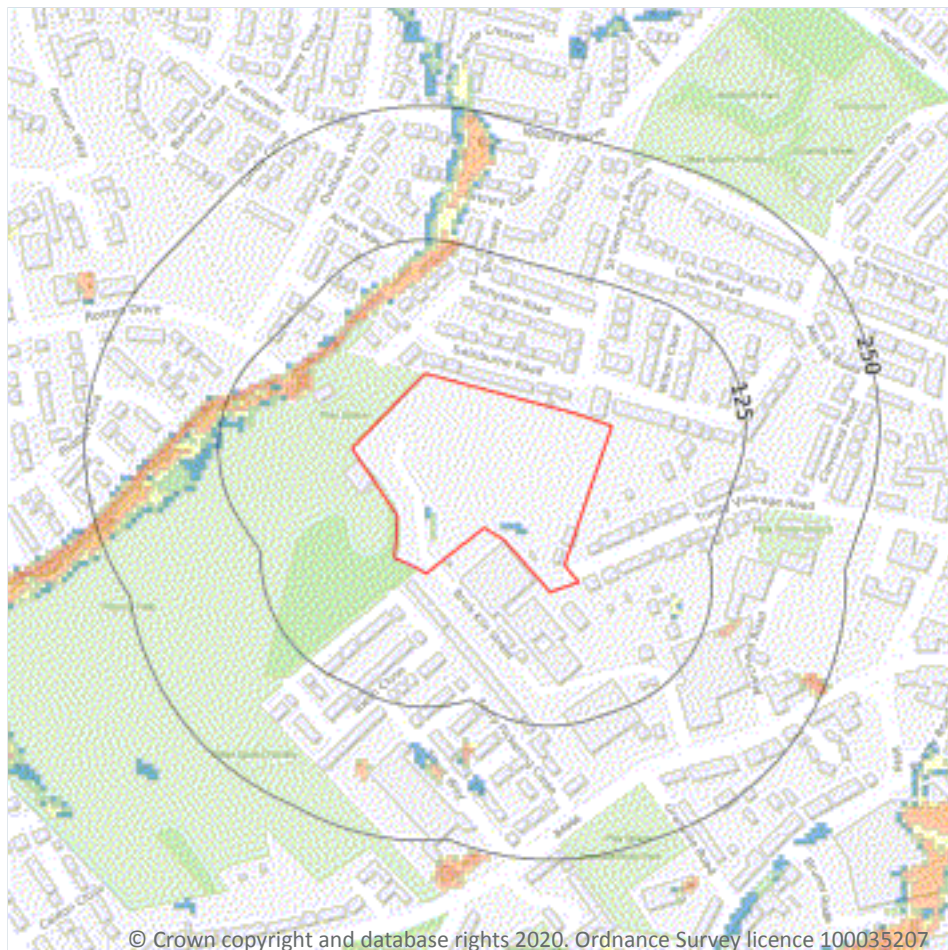
7.7 Flood Zone 3

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

1 in 250 year, 0.1m - 0.3m

Highest risk within 50m

1 in 250 year, 0.1m - 0.3m

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.

Features are displayed on the Surface water flooding map on **page 61**

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.

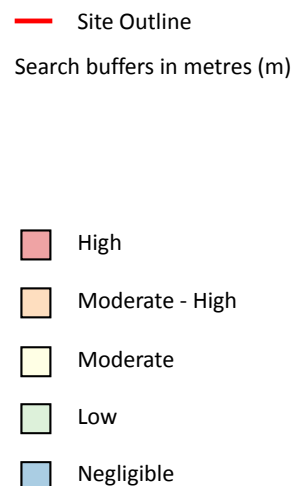
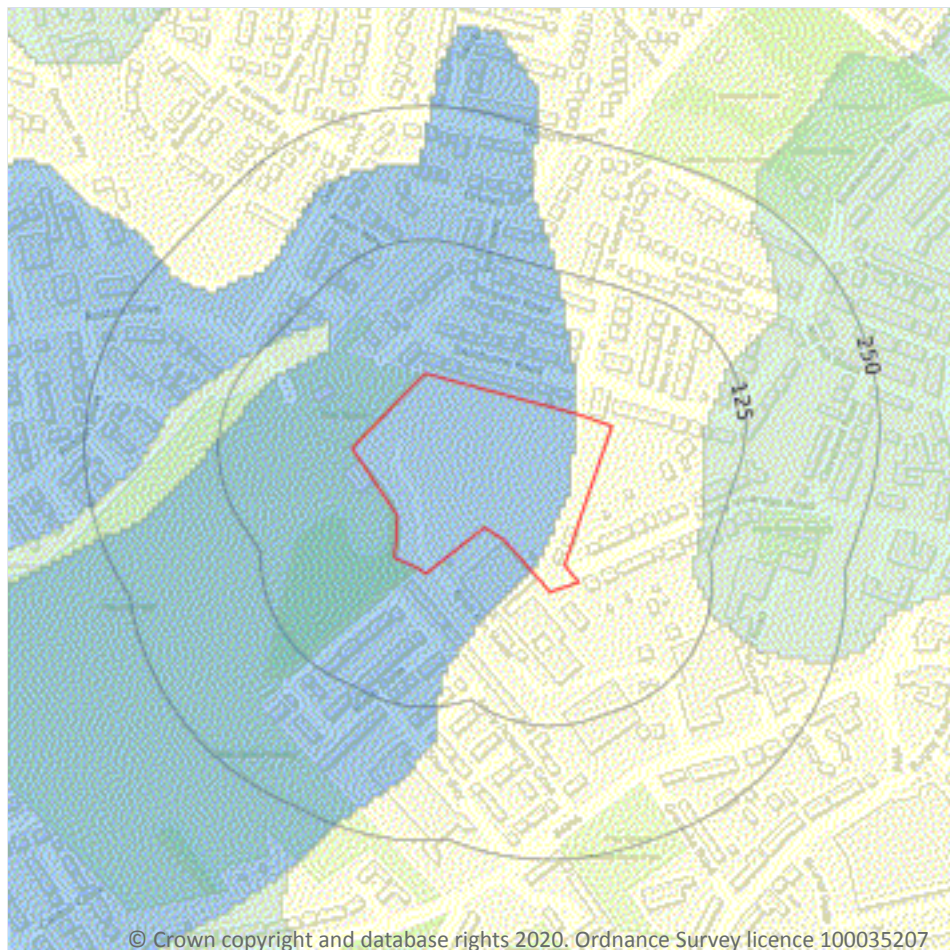
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate

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 63**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- ▨ Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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.

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

1

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

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Local Authority name
-	1750m SW	Birmingham	Rugby

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

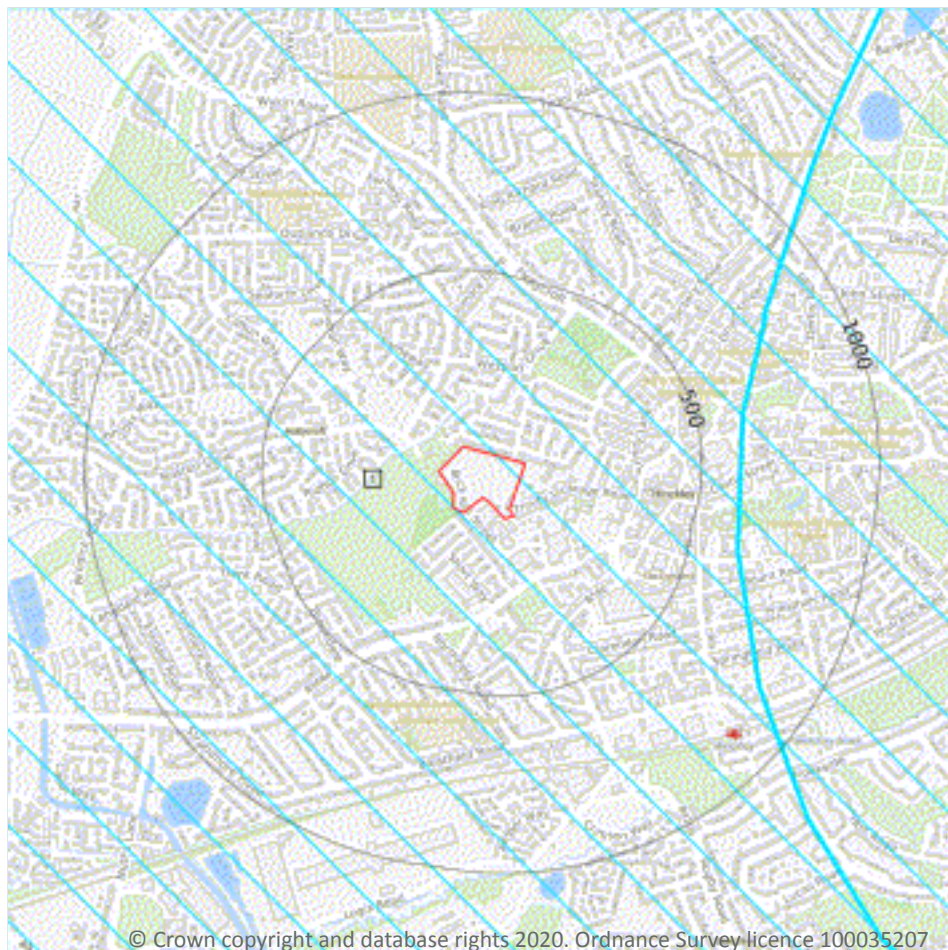
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	River Trent (source to confluence with Derwent)	Surface Water	S308	Changed
1420m SE	SOAR R NVZ	Surface Water	S309	Existing
1948m E	SOAR R NVZ	Surface Water	S309	Existing
1958m NW	River Trent (source to confluence with Derwent)	Surface Water	S308	Changed

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 69**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion

This data is sourced from Natural England.

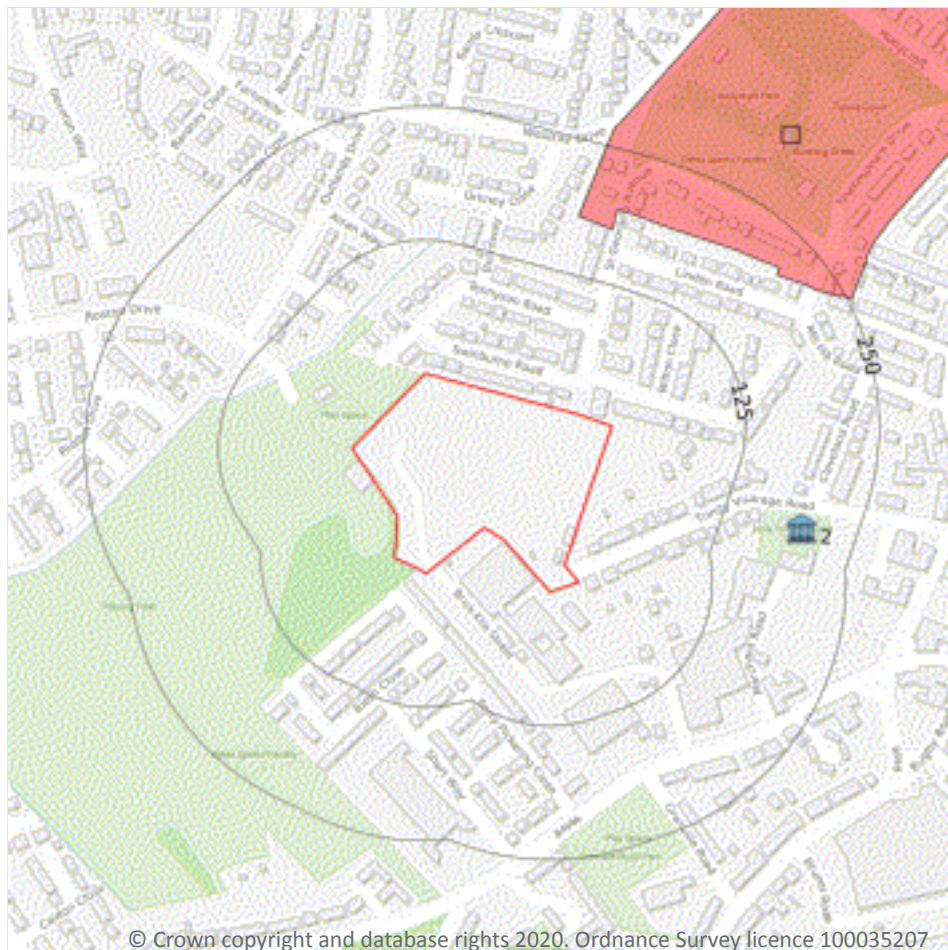
10.18 SSSI Units

Records within 2000m	0
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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.

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

11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

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

1

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.

Features are displayed on the Visual and cultural designations map on **page 71**

ID	Location	Name	Grade	Reference Number	Listed date
2	198m E	Church Of The Holy Trinity, Hinckley And Bosworth, Leicestershire, LE10	II	1180269	10/08/1989

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

11.5 Conservation Areas

Records within 250m

1

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.

Features are displayed on the Visual and cultural designations map on **page 71**

ID	Location	Name	District	Date of designation
1	175m N	Hinckley, Hollycroft	Hinckley and Bosworth	27/01/1998

This data is sourced from English Heritage, 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 English Heritage, 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 English Heritage, 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

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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 74**

ID	Location	Classification	Description
1	On site	Urban	-

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.

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

13.1 Priority Habitat Inventory

Records within 250m

0

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

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

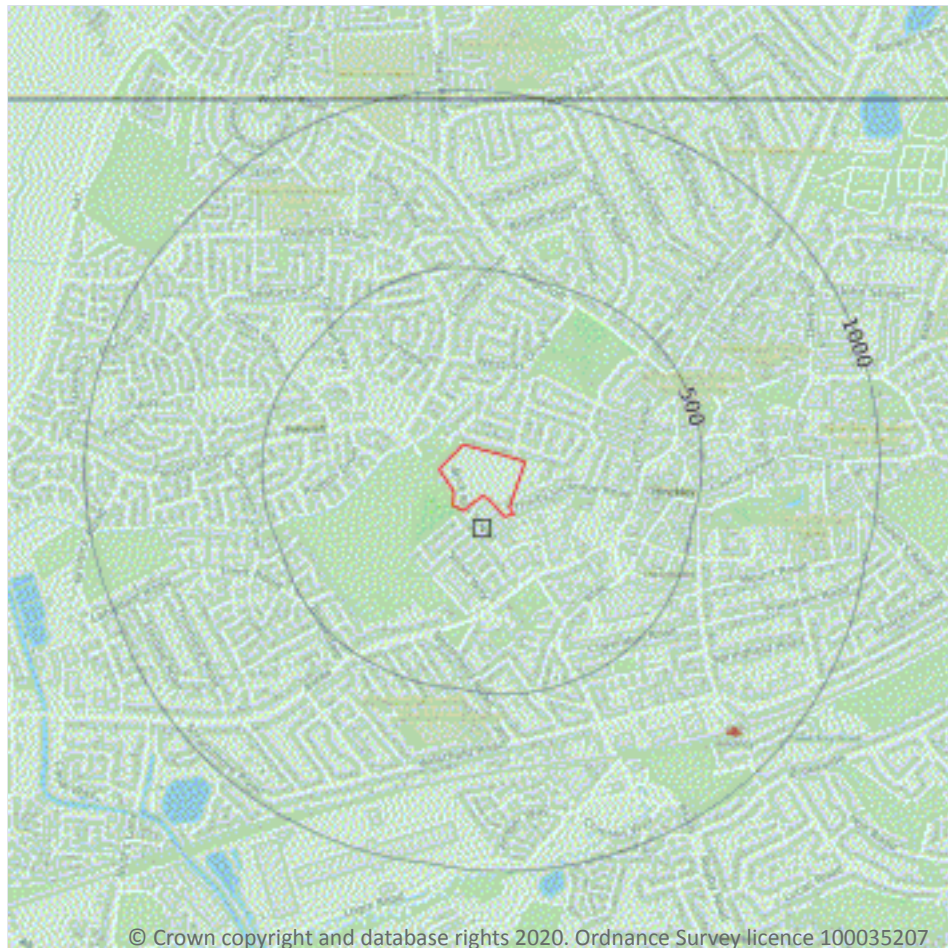
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Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable 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.

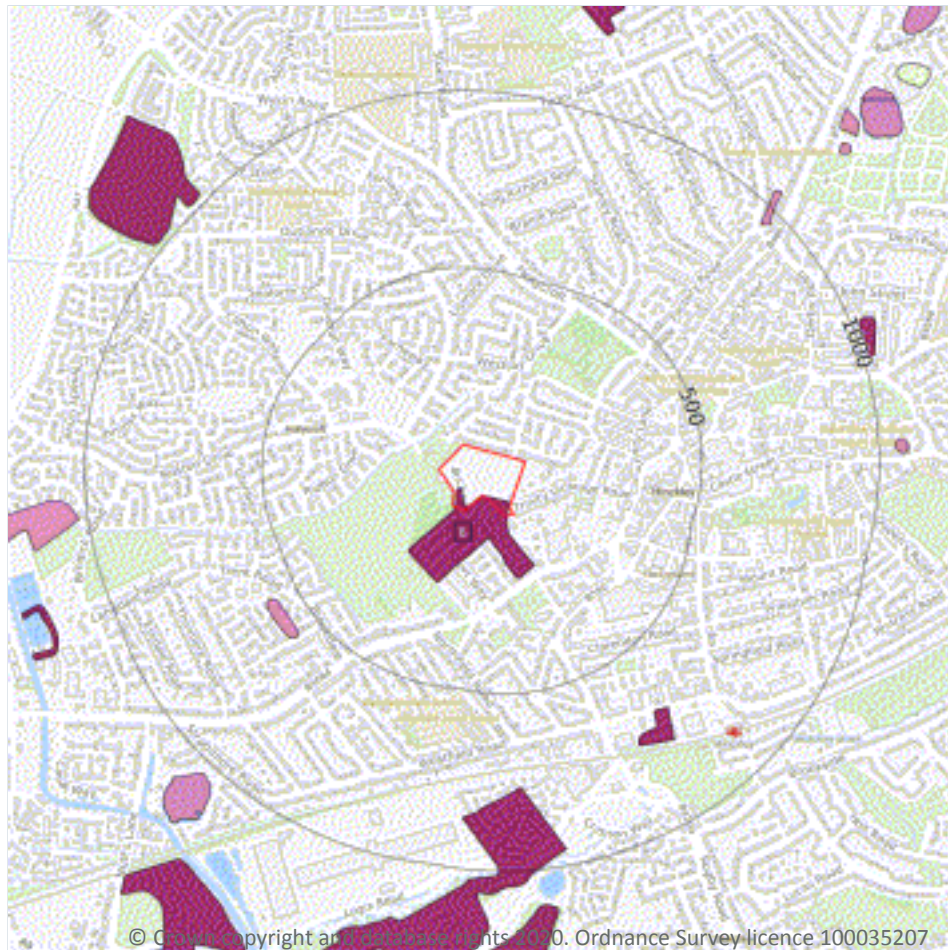
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 77**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SP49SW

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

1

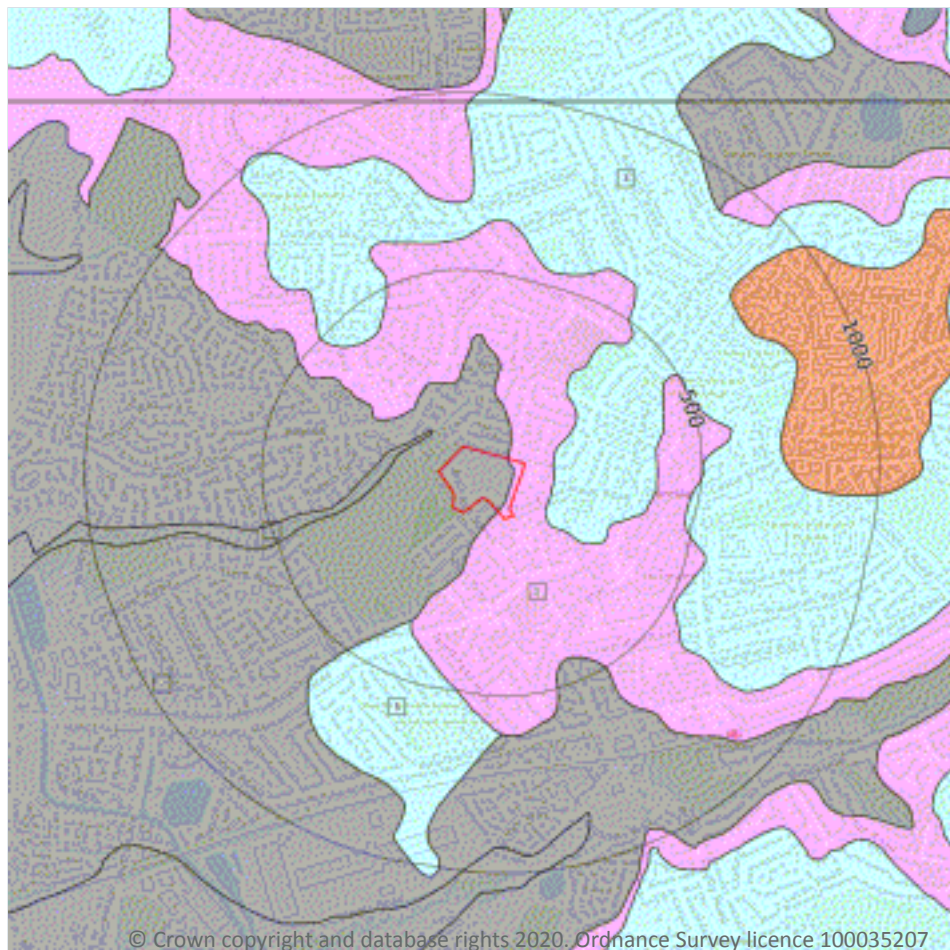
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 78**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

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

5

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 79**

ID	Location	LEX Code	Description	Rock description
1	On site	WOSG-XSV	Wolston Sand And Gravel - Sand And Gravel	Sand And Gravel
2	On site	WOC-XCZ	Wolston Clay - Clay And Silt	Clay And Silt
3	80m E	ODT-DMTN	Oadby Member - Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
4	89m NW	ALV-XSWCV	Alluvium - Sand With Clay And Gravel	Sand With Clay And Gravel [unlithified Deposits Coding Scheme - Extended]
5	338m SW	ODT-DMTN	Oadby Member - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

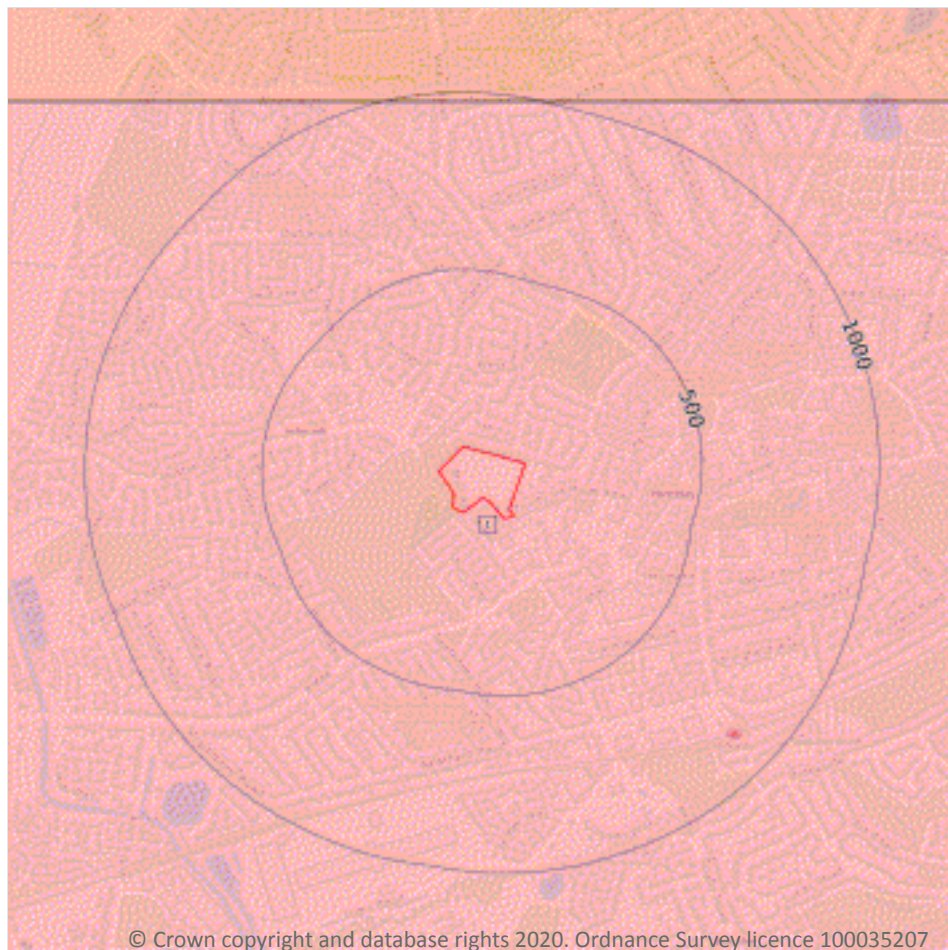
0

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 81**

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch

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

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 83**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW169_coventry_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

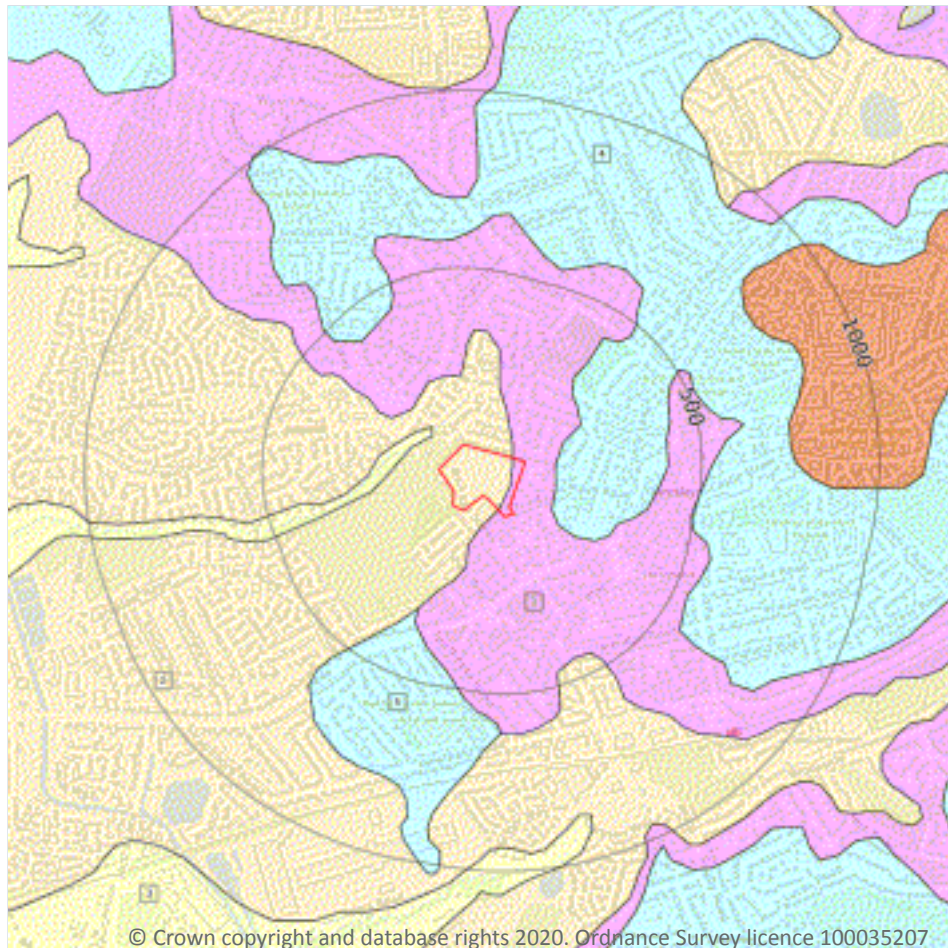
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

5

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 85**

ID	Location	LEX Code	Description	Rock description
1	On site	WOSG-XSV	WOLSTON SAND AND GRAVEL	SAND AND GRAVEL
2	On site	BOSW-XCZ	BOSWORTH CLAY MEMBER	CLAY AND SILT
3	79m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	87m E	ODT-DMTN	OADBY MEMBER	DIAMICTON



ID	Location	LEX Code	Description	Rock description
5	302m SW	ODT-DMTN	OADBY MEMBER	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	2
---------------------------	----------

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
On site	Mixed	Low	Very Low

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.

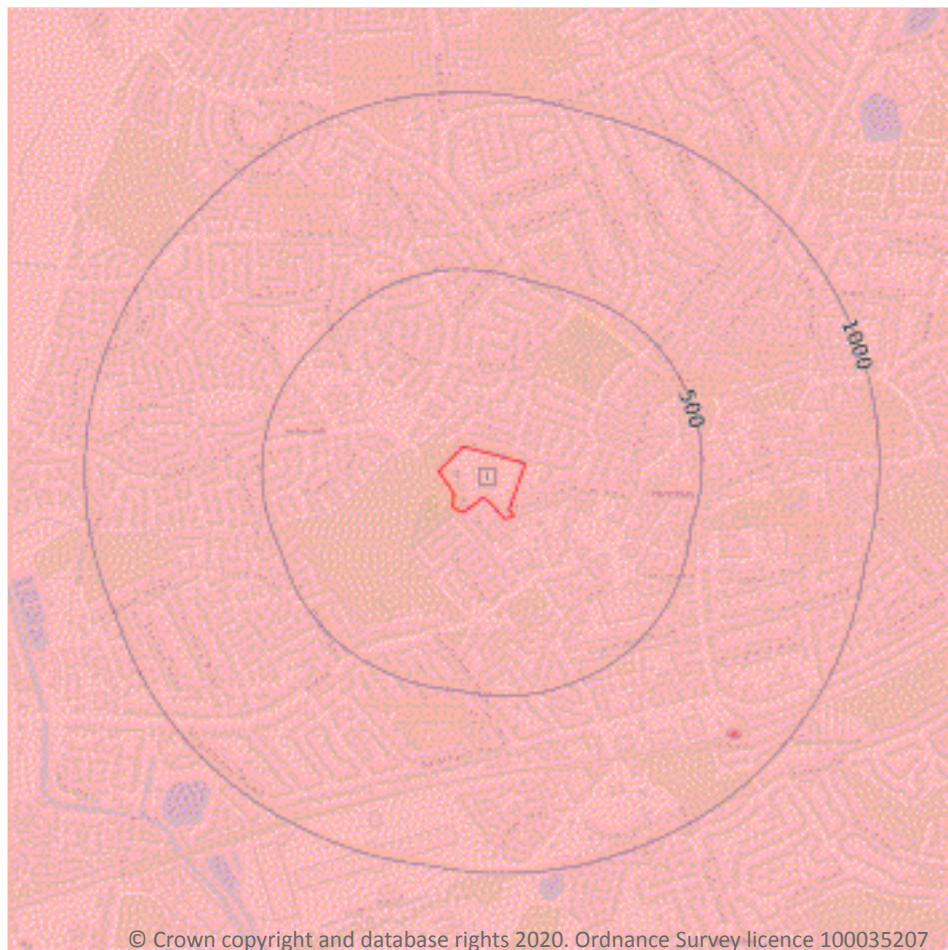
15.7 Landslip permeability (50k)

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

1

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 87**

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	MERCIA MUDSTONE GROUP - MUDSTONE	-

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

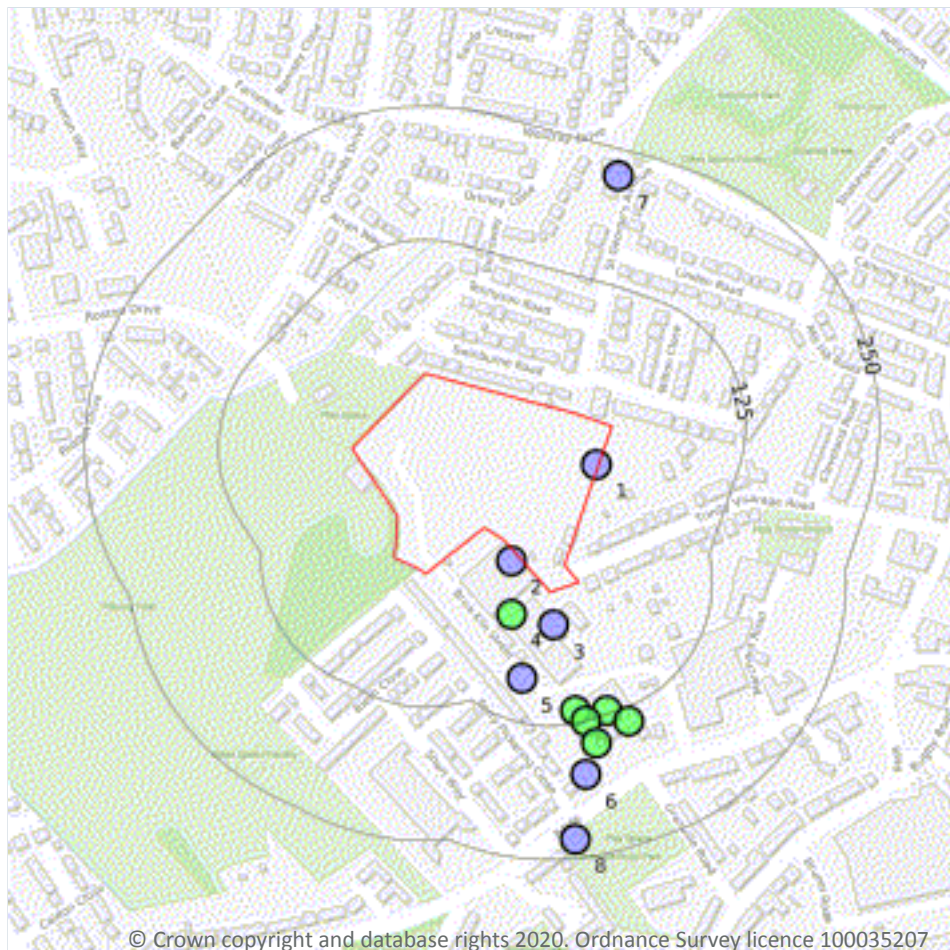
0

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

13

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 89**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	442130 293940	HOLLYCROFT RELIEF SEWER NO.5	6.09	N	334284
2	8m SW	442050 293850	GAS CONTROL CENTRE NO.3	7.31	N	334446
3	31m S	442090 293790	GAS CONTROL CENTRE NO.1	9.14	N	334444

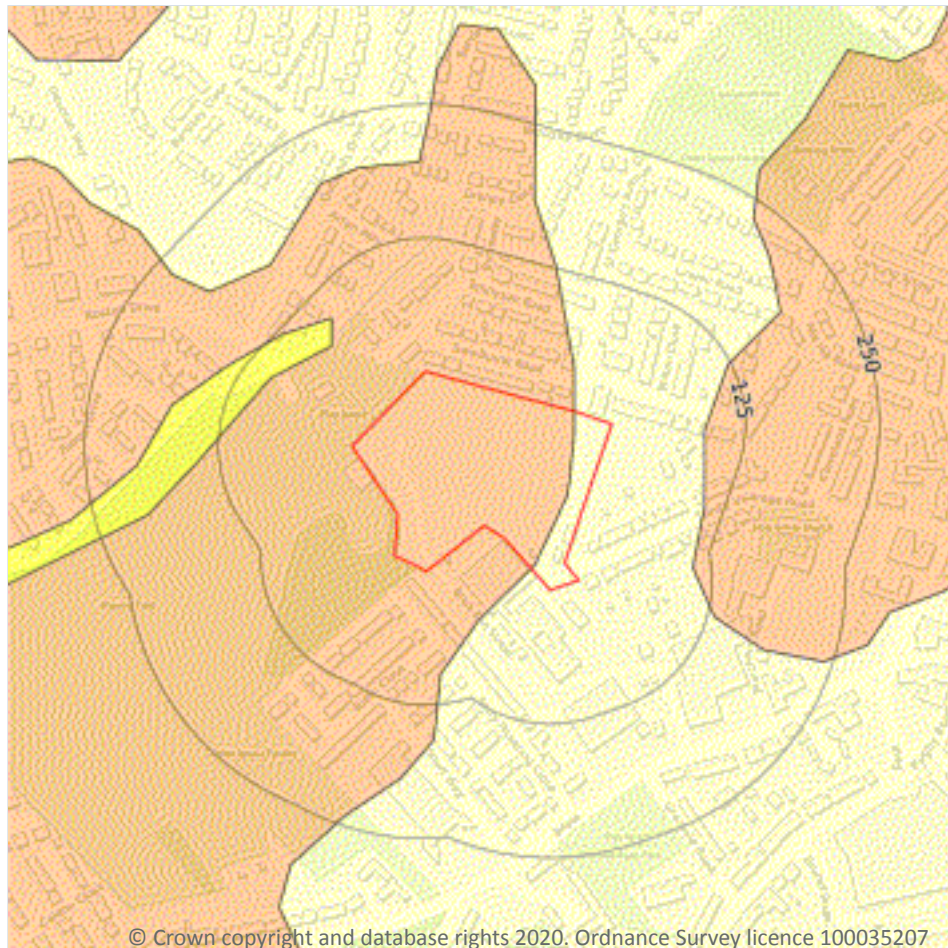


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	41m SW	442050 293800	GAS CONTROL CENTRE NO.2	12.19	N	334445
5	85m S	442060 293740	HOLLYCROFT RELIEF SEWER NO.4	5.48	N	334283
A	113m S	442110 293710	HINCKLEY BRITISH GAS NO.9	13.5	N	334324
A	122m S	442140 293710	HINCKLEY BRITISH GAS NO.6	16.0	N	334321
A	125m S	442120 293700	HINCKLEY BRITISH GAS NO.7	16.0	N	334322
A	138m S	442160 293700	HINCKLEY BRITISH GAS NO.8	11.0	N	334323
A	147m S	442130 293680	HINCKLEY BRITISH GAS NO.10	12.0	N	334325
6	174m S	442120 293650	HOLLYCROFT RELIEF SEWER NO.3	6.7	N	334282
7	225m N	442150 294210	HOLLYCROFT RELIEF SEWER NO.6	6.7	N	334285
8	232m S	442110 293590	HOLLYCROFT RELIEF SEWER NO.2	6.09	N	334281

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

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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).

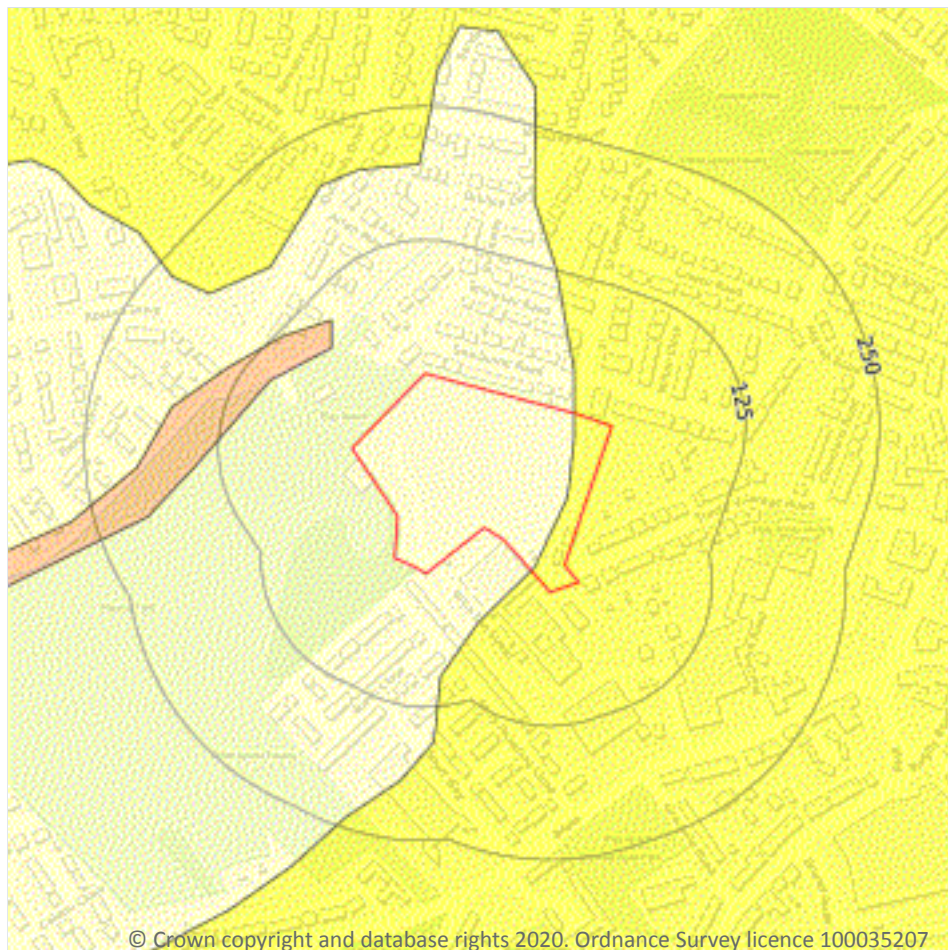
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 91**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Low	Ground conditions predominantly medium 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 92**

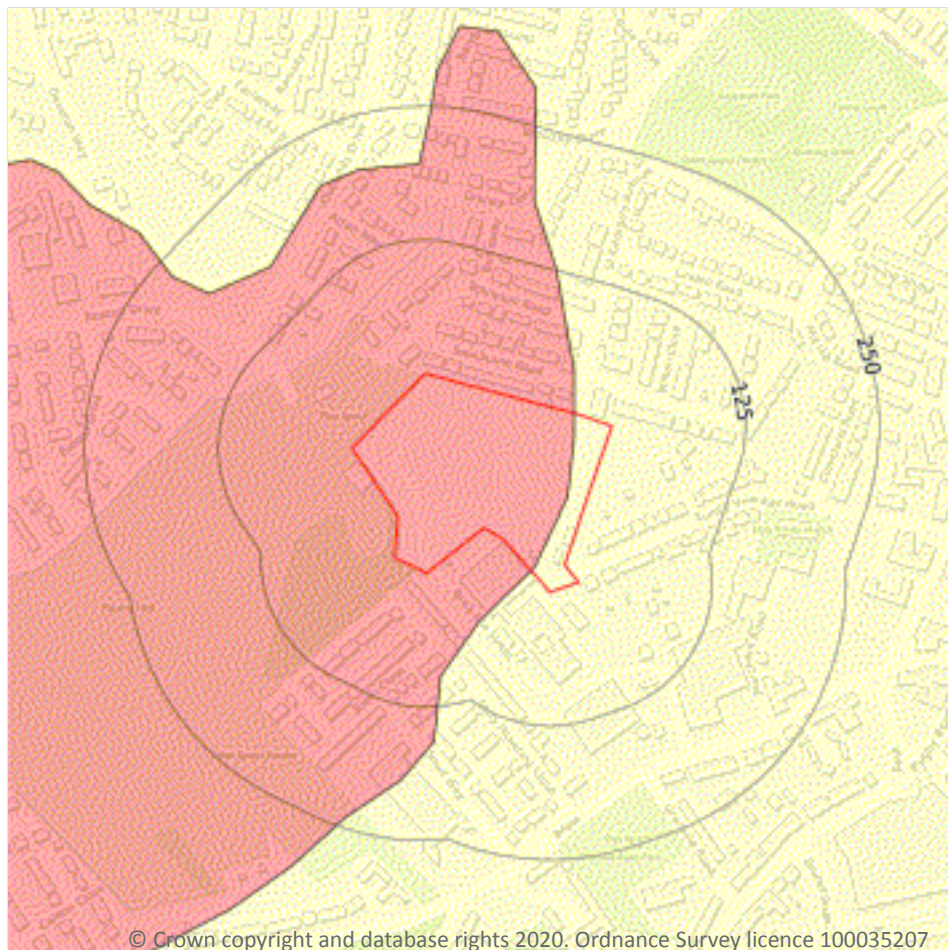
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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.

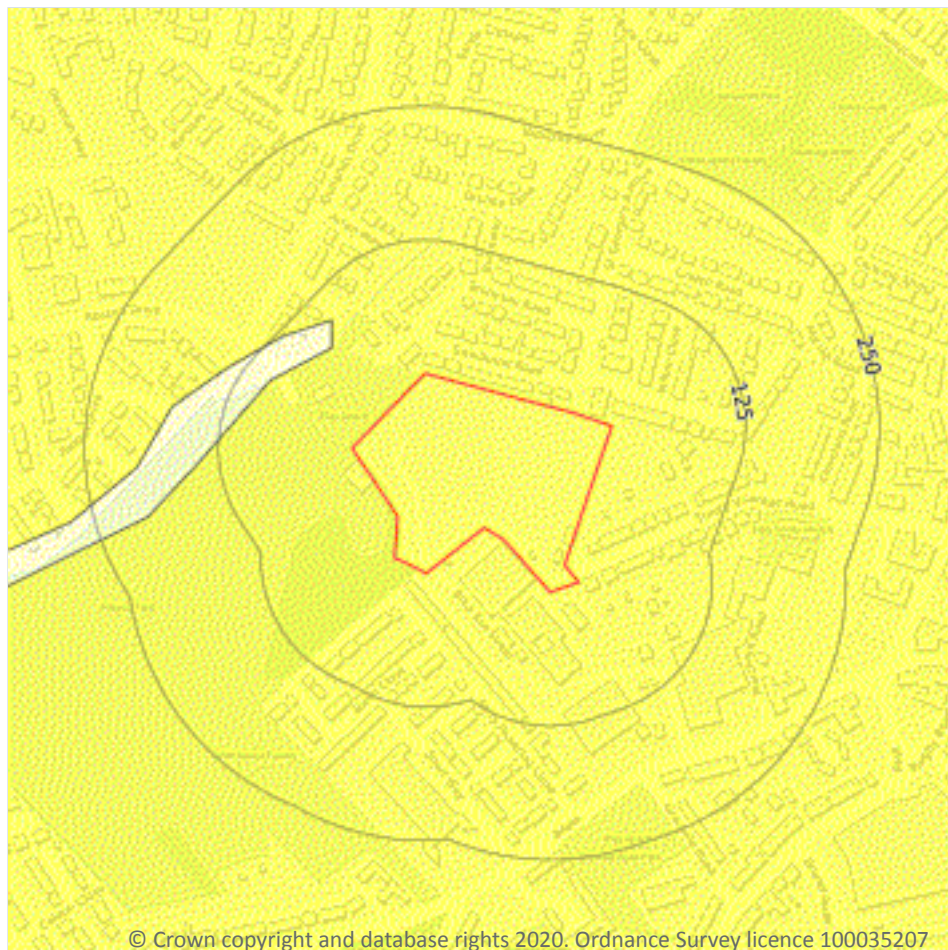
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 94**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- 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.

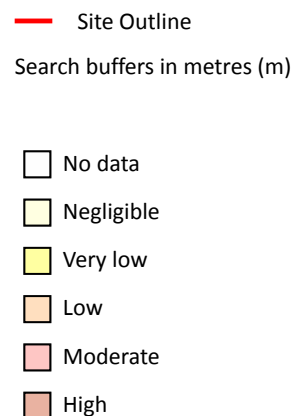
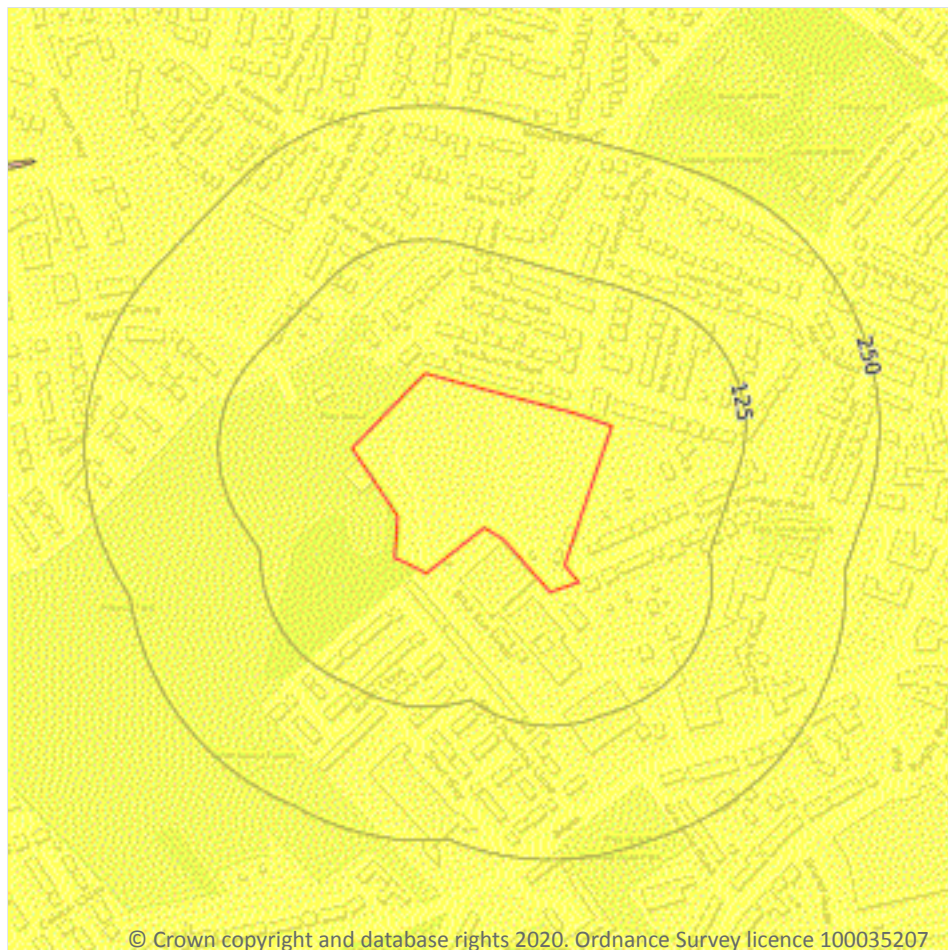
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 96**

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



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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.

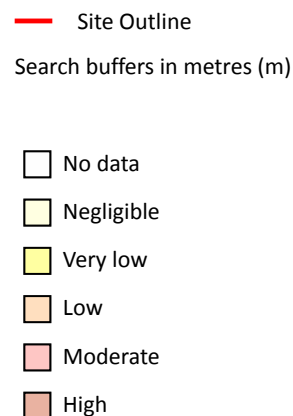
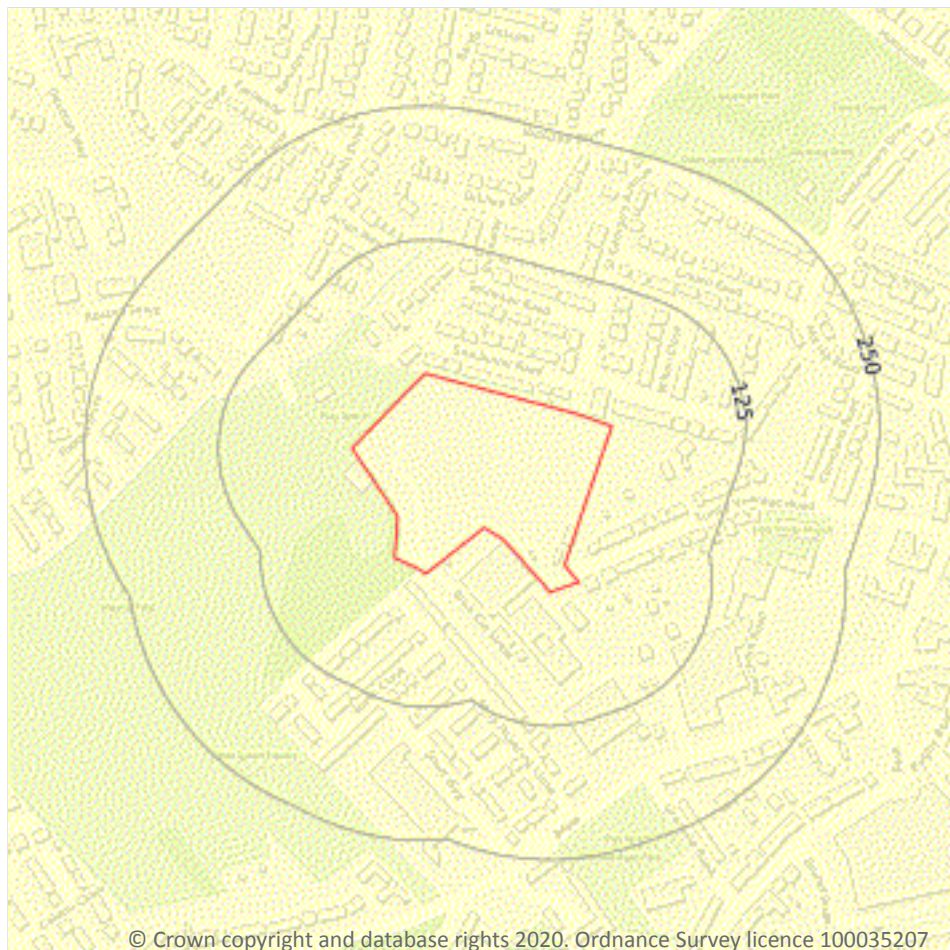
Features are displayed on the Natural ground subsidence - Landslides map on **page 97**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

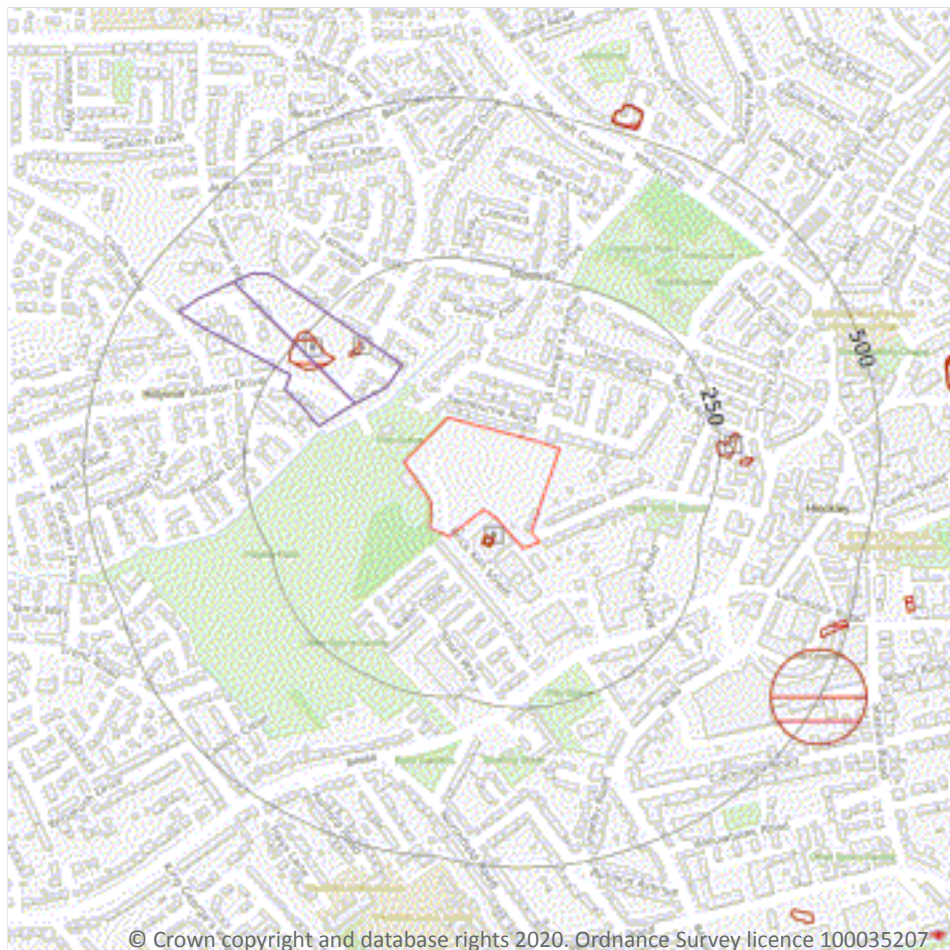
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 98**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- 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 Natural cavities

Records within 500m

0

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

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

18.2 BritPits

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

6

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 99**

ID	Location	Land Use	Year of mapping	Mapping scale
A	25m SW	Reservoir	1923	1:10560
A	25m SW	Reservoir	1938	1:10560
A	25m SW	Reservoir	1950	1:10560
1	170m NW	Unspecified Ground Workings	1968	1:10560
B	192m NW	Unspecified Heaps	1968	1:10560
C	247m E	Sand Pits	1886	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

0

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

This data is sourced from Ordnance Survey/Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

1

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 99**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
B	102m NW	Mill Hill	Sand	Surface mineral working	Valid	19/8/55

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 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 Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.



18.9 Coal mining

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

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

This data is sourced from the Coal Authority.

18.10 Brine areas

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

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

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

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

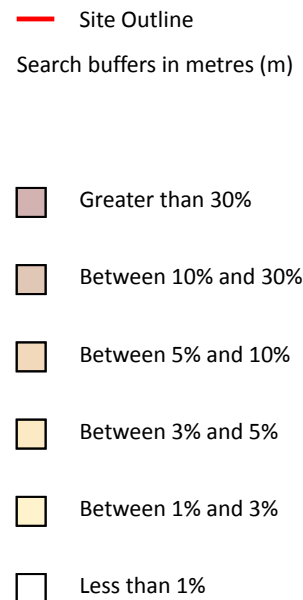
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

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

Features are displayed on the Radon map on **page 103**

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

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



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

6

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
11m 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.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects

21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

0

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

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

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



This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	0
---------------------	---

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0
---------------------	---

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	0
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The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	0
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Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m	0
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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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