



Phase I Geo-Environmental Risk Assessment

Proposed Care Home, Land off Leicester Road,
Markfield

November 2023

Charterpoint (LE67) Ltd

Reference: 230422.R.002

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**Proposed Care Home,
Land off Leicester Road,
Markfield**

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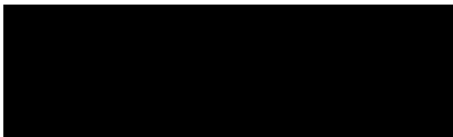


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EXECUTIVE SUMMARY

<i>Purpose of the Report</i>	This report has been prepared for the purpose of assisting in the evaluation of potential risk associated with contamination issues at the site which is required as part of the planning application for the development of the site.
<i>Future Site End-use</i>	It is understood that the site is proposed for development comprising a residential care home, associated soft landscaping, car parking and hardstanding. Access is to be afforded via Leicester Road.
<i>Grid Reference</i>	449480, 310260
<i>Current Site Status</i>	The subject site, known as land off Leicester Road, Markfield, comprises a currently vacant parcel of land understood to have been used as a horse paddock. Two buildings are present, one of a rectangular nature which is understood to represent stables, and a smaller square building in use as a shed. Anecdotal evidence suggests the buildings were present from c. 1992. No issues of environmental significance were noted associated with the current use of the site.
<i>History</i>	A review of historical data sources has identified that the site comprised undeveloped land from prior to 1884 until prior c. 1992 when a horse stables and shed were constructed. Two ponds were present on-site in the eastern area, before the eastern most pond was no longer recorded by 1966. The site then remained consistent with its present-day layout.
<i>Geology</i>	A review of BGS data indicated an absence of significant Made Ground deposits at the site, although localised deposits cannot be discounted. The site is positioned on an area underlain by superficial deposits comprising the Oadby Member. The underlying bedrock geology is named as the Gunthorpe Member (part of the Mercia Mudstone Group).
<i>Hydrogeology</i>	The superficial geology is classified as a Secondary Undifferentiated Aquifer and the bedrock deposits are classified as a Secondary B Aquifer. The site is not situated within a Source Protection Zone. There are no potable groundwater abstraction licences within 500 m of the subject site.
<i>Hydrology</i>	There are no EA GQA classified rivers within 1km of the site. According to EA's website, the subject site is located within Flood Zone 1 and is therefore outside the area at risk of flooding from rivers and sea. Based on information contained within the Envirocheck Report areas of the site may experience localised surface water flooding particularly in periods of heavy rain in low lying areas.
<i>Ecology</i>	No significant ecological constraints have been identified at this time, pending confirmation from the site reconnaissance visit.
<i>Radon</i>	The site is situated within an area of elevated radon potential, whereby the maximum radon potential is 3% - 5%. Basic radon protection measures may be required subject to further risk assessment.
<i>UXO</i>	Following a review of a Zetica Unexploded Bomb Risk Map for the area in which the site is located, it appears that the site is located within an area with a Low risk.
<i>Previous Report</i>	No previous reports were subject to review during the compilation of this report.
<i>Regulatory Enquiries</i>	A search of Hinckley & Bosworth Borough Council online planning portal has not identified environmentally pertinent information pertaining to the subject site. We understand the site is not currently listed as Contaminated Land under the EPA 1990. This is supported by the Envirocheck report which identifies that there are no Contaminated Land Register Entries and Notices recorded on site or within 1km of the subject site. Based on available information, it is the opinion of Roberts Environmental that there is an absence of significant source-pathway-receptor pollutant linkages as such it is unlikely that the site would be investigated under the Contaminated Land Regime.

Risk Assessment (Potentially Significant Pollutant Linkages)

<i>Hazard Identification</i>	Source	No significant sources of soil-bound contamination have been identified, during the compilation of this report. Given the site history it is possible that some Made Ground deposits are present at the site which at this stage are of an unknown origin and nature. Such deposits may comprise low-level contaminants.
	Pathway	Direct contact or inhalation/ingestion pathways could exist where gardens/landscaped areas and/or permeable surfacing is proposed at the site. Mobile contaminants (where present) have the potential to migrate vertically and laterally via permeable strata. Where present, contamination may impact foundations and services placed on site via direct contact. Ground gas and vapours (where present) may have the potential to impact the site and adjacent receptors.
	Receptor	Future residents and future site users (residents, employees and maintenance workers); Future properties including foundations and services; Planting within landscaped areas and gardens; Groundwaters; Adjacent residential properties.
CONCLUSIONS		
<i>Risk Estimation</i>		Based on the information obtained during the desk study it is concluded that the environmental risk arising from the ground condition at the subject site when taking into account the sites <u>current status and usage</u> is Low. When considering the <u>proposed redevelopment of the site for care home usage</u>, it is concluded that the potential environmental risk to arising from the ground condition at the subject site would be Low to medium. Based on the above and assuming the additional works as outlined in Section 16 are undertaken, it is the opinion of Roberts Environmental, that the issues identified should not preclude the future redevelopment of the site.
<i>Recommendation</i>		The following recommendations should be considered following completion of this desk study assessment: • An intrusive ground investigation would be required to allow for the collection of geotechnical data, to be used to inform future foundation design. During any such investigation it may be prudent to obtain environmental samples from soils to confirm the absence of a significant risk to human health or sensitive receptors and provide clarification with regards the ground gas regime. • It may be prudent to undertake a detailed radon assessment to investigate the possible requirement for basic radon protection measures. • Construction and maintenance work should be subject to risk assessment. Workers should use appropriate procedures and to manage residual risk from exposure to materials on site.

1. Instructions

Roberts Environmental Limited ("REL") received instruction on 21 April 2023 from Charterpoint (LE67) Ltd ("the Client") to undertake a Phase I ("the Services") of land off Leicester Road, Markfield LE67 9RE ("the Property"). Part of the Services included the production of this document, the initial Phase I Geo-Environmental Assessment ("the Report").

Our approach is compliant with the National Planning Policy Framework (NPPF) (as revised in 2021) (paragraphs 174 & 183-184)¹ and the Planning Practice Guidance (Land Affected by Contamination - 2019)². Therefore, we have provided this desk-based assessment of the likelihood of the presence of land contamination, its nature and potential risk to the proposed development, and what further measures are required to ensure the site is 'suitable for use'. This report is provided as supporting environmental information to the planning application.

The Services have been carried out in accordance with the provided fee proposal dated 28 February 2023 and REL's Terms and Conditions of Engagement, (together "the Agreement") as accepted by the Client on 21 April 2023.

The Report

The Report has been prepared in accordance with the Agreement and is subject to all terms contained therein. The Report is addressed to and is for the sole use and reliance of the Client. REL accepts no liability for:

- (a) any use of or reliance upon the Report by the Client other than in accordance with the Agreement; and
- (b) any use of or reliance upon the Report by any third party who is not a party to the Agreement.

The Report, unless otherwise stated, is based upon:

- 1. information provided by the Client;
- 2. database information obtained from regulatory bodies, including but not limited to:
 - a. the Environment Agency;
 - b. the Coal Authority;
 - c. Hinckley & Bosworth Borough Council;
- 3. the Envirocheck Report (310387937_1_1) purchased from Landmark;
- 4. a site reconnaissance visit has not yet been undertaken for the Site area.

¹https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1005759/NPPF_July_2021.pdf

². <https://www.gov.uk/guidance/land-affected-by-contamination>

REL have also been provided with the following plans pertaining to the Site area:

- Location Plan. Proposed 70 Bed Care Home Leicester Road, Markfield. Ref: 2153\PRE\001. Dated June 2022.
- Existing Site Plan. Proposed 70 Bed Care Home Leicester Road, Markfield. Ref: 2153\PRE\002. Dated June 2022.
- Proposed Site Plan. Proposed 70 Bed Care Home Leicester Road, Markfield. Ref: 2153\PRE\002. Dated June 2022.
- Land off Leicester Road, Markfield LE67 9SQ. Topographical Survey (Sheet 1 & 2). Ref: 4699.0001. Dated November 2021

Where appropriate the reports of these information sources, and any associated drawings, are contained in Appendix II.

2. Site Location

The subject site is located off Leicester Road, bound by the A50 immediately to the north and associated roundabout to the east. The site is situated approximately 11 km to the north-west of Leicester city centre, and 1.50 km south-east of junction 22 of the M1. A site location plan is presented below as Figure 1, and a Site Layout Plan is presented as Figure 2.



Figure 1: Site Location Plan (location, shown in red is indicative only)



Figure 2: Site Layout Plan (emboldened site boundary indicative only)

3. Site Description

The following table provides a summary of site conditions.

Issue	Description
Site Name	Proposed Care Home, Leicester Road, Markfield
Address	Leicester Road, Markfield LE67 9RE
National Grid Reference	449480, 310260
Site Areas	1.1 hectares
Tenure	Freehold
Occupancy	Vacant
Site Description and Activities	The subject site, known as land off Leicester Road, Markfield, comprises a currently vacant parcel of land understood to have been used as a horse paddock. Reviewed aerial imagery suggests that the site is surfaced by soft standing, with areas of surface erosion generated by suspected vehicle movements. There is also evidence of partitioning across the site which is consistent with the current or previous land use. Two buildings are present, one of a rectangular nature which is understood to represent stables, and a smaller square building in use as a shed. Anecdotal evidence suggests the buildings were present from c. 1992. A photolog will be provided once a site walkover has been undertaken. The Site is bound by semi-mature to mature vegetation comprised of trees and shrubbery, with the south-eastern area partitioned by a line of mature trees. A site walkover is proposed to be undertaken and will confirm the above observations; however, no issues of environmental significance were noted associated with the current use of the site. From an environmental perspective the current site operations on site are not considered to pose a significant ground contamination risk to the continued use of the property.
Surrounding land uses	The site is located on the northern extremity of Markfield in an area dominated by residential properties to the south and west. The A50 is situated to the north with agricultural fields beyond. To the east, a roundabout is present with residential properties on Markfield Lane and fields beyond. In the immediate vicinity (c. 100 m), no significant or pertinent potentially contaminative land uses have been observed.
Site Gradient	The subject site is subjectively level, however, comprises a minor variation in elevation, ranging between approximately 173 – 175 m AOD across the bulk of the site in a west to east orientation. In far eastern areas, the site elevation increases to approximately 178 m AOD. Localised topographic variation is likely to be present across the Site.

4. Operational Issues

Deleterious Materials

The Control of Asbestos Regulations 2012 came into effect in April 2012. These repeal earlier asbestos legislation. Owners, occupiers, managers and/or those who have responsibilities for premises have a legal duty to either manage the risk of asbestos or a duty to co-operate with whoever manages that risk.

The responsible party has to identify the existence of asbestos containing materials, record their location and condition, set out a plan to manage the risk from the material and take the necessary steps to put this plan into action.

An appropriately licensed asbestos contractor should remove asbestos material that is likely to be disturbed and cannot be easily protected. Reviews of this plan will have to be undertaken on an on-going basis. Details as to the location and condition of the materials must be provided to anyone who is liable to work on or disturb it.

The site reconnaissance will confirm the presence or absence of asbestos containing materials (ACM), and if present, will be subject to the recommendations and advice as set out above.

Site Services

A plan has been provided by the Client presenting the approximate location of private services relating to foul drainage, which presents a drain trending from the known pond surface water feature, towards the A50 embankment, situated in the eastern area of the site. In addition, a storm drain is recorded adjacent to the western boundary, trending in a north-south orientation, connecting to a suspected chamber on the south-western boundary corner. The asset then transitions away from the subject property to the south-east.

Based on other information and asset plans obtained by REL, no public utility assets are recorded to bisect the site area, although both gas and electrical services are proximal to the southern and northern site boundaries. Searches undertaken by REL are not exhaustive, and otherwise unrecorded assets may be present within the property boundary.

Above Ground Tanks

Although above ground tanks are not anticipated to be present, the absence of such features will be confirmed following completion of the site reconnaissance visit.

Below Ground Tanks

Based on available information, subject to site reconnaissance, there is no indication that significant below ground fuel/oil storage tanks situated on site.

Chemical Storage

No significant volumes or quantities of bulk chemicals are understood to be used or stored on site. The current and previous site use, limited to that of a horse paddock, does not suggest chemicals have been used on-site in significant quantities. The lack of chemical storage will be confirmed upon completion of the site reconnaissance visit.

Waste Management Practices

Based on the current and previous site uses, significant waste production and associated management is not anticipated to pose a constraint.

No environmentally significant amounts/types of waste are produced at the site. It is understood that waste management practices are the responsibility of the individual tenants / landowners.

Invasive Plants

The Wildlife and Countryside Act 1981 (as amended) is the principal legislation which regulates the release of non-native species. Section 14(2) prohibits the release of certain invasive non-native plants into the wild in Great Britain; it is an offence under Section 14(2) to "plant or otherwise cause to grow in the wild" any plants listed on Part II of Schedule 9. The most common plant species found on brownfield and urban sites include Japanese Knotweed, Giant Hogweed and Himalayan Balsam.

Although we are not qualified to undertake ecological surveys, an initial visual inspection will be undertaken during the site reconnaissance visit.

5. Historical Development

A review of historical maps obtained as part of the Landmark Envirocheck search (310387937_1_1) has been undertaken. A summary of relevant information, within 250m (i.e. in the planning consultation zone), is shown in chronological order in the table below with relevant maps in Appendix I.

Source	Site	Surroundings
Pre 1884 - pre 1966	The site is recorded to comprise undeveloped agricultural land, straddling three fields with two field boundaries and associated tree line present in the south-eastern corner of the site. The central field was in essence a 'corridor' providing access between a field to the north and road to the south. Two suspected pond surface water features are noted in the south-eastern area of the site, proximal to both boundaries in this area.	Surrounding areas are recorded as undeveloped agricultural land. A road is present immediately to the south of the site representative of the present-day Leicester Road. A residential area labelled Field Head is present approximately 100 m to the south-east of the site. Gradual development is undertaken in the surrounding area, comprising farm outbuildings, but most notably residential development less than approximately 30 m from the Site boundary. An area of grassland is present approximately 100 m north-west of the site. A cemetery is now present approximately 50 m to the west of the site.
Pre 1966 - pre 1972	No significant changes are observed, however one of the ponds is no longer denoted and potentially <i>infilled</i> , situated to the north-western side of the aforementioned field boundary. The field boundary (and pond) which trends to the north-east, before dog-legging east is no longer recorded.	The surrounding land use still comprises predominantly agricultural land., however significant development has been undertaken in the surrounding area, to the south, predominantly of a residential nature. Leicester Road immediately to the south of the site, is now labelled
Pre 1972 – pre 1995	The majority of the site remains unchanged. It is however noted that no field boundaries are now present, resulting in one homogenous parcel of land. The tree line in the south-eastern area of the property is no longer mapped.	By 1972, the A50 is recorded with associated earthworks <i>embankments</i> bordering the northern boundary of the subject property. Land in this area is understood to have been raised through engineered earthworks to enable construction of the carriageway. Reviewed mapping from 1974 suggests the slip road off the A50 into Field Head is constructed around this time, situated approximately 100 m east of the subject property. The surrounding land uses other than the A50 remain unchanged, with continued residential development.
Pre 1995 – pre 2003	The site area remains unchanged between mapping from 1995 to 2003.	
Pre 2003 – present	The majority of the site area remains unchanged, however the stables for the horse paddock is now recorded. Historical Google Earth imagery suggests that the stables was present from c. 1992, however is not shown on the historical OS mapping reviewed.	Surrounding land uses have been developed and evolved to the present-day layout, with no pertinent features identified.

* Potentially contaminative land uses or features in bold italic

Potential for Historical Contamination

The historical assessment has identified that the subject site and surrounding area has not been subjected to uses of a potentially gross contaminative nature. The subject property has a benign development history, with use as agricultural land prior to its use as a horse paddock. No significant industries have been identified in the surrounding area that may pose as potential source of contamination.

It may be plausible that the earthworks associated with the construction of the A50 may have impacted the site to a minor degree, and localised Made Ground may be present along the northern boundary associated with an increase in site levels.

Unrecorded activities may have also taken place between mapping records that have not been detected by this study.

6. Previous Reports

A request has been made for previous reports relating to the subject site. However, at the time of writing no reports were forthcoming. As a consequence, no previous reports were subject to review during the compilation of this report.

7. Geological Setting

The geology beneath the site, summarised below, has been established from the British Geological Survey 1: 50,000 scale Provisional Series, Geological Map, England and Wales, Sheets 155 (Coalville), together with information from Landmark and the BGS Geoindex online viewer.

Made Ground

Published BGS data does not indicate the presence of any significant Made Ground on site, however there may be residual deposits along the northern boundary of the Site associated with the construction of the A50 and associated embankment. Otherwise, unrecorded activities may have also given rise to localised deposits of Made Ground from an unknown origin.

Superficial Geology

A review of British Geological Survey information has identified that the site is situated within an area underlain by superficial deposits comprising the Oadby Member (OM) - Diamicton. The OM is of glacial origin, predominantly cohesive albeit intermittent lenses of sand and gravel may also be present.

Bedrock Geology

The underlying bedrock deposits are recorded as the Gunthorpe Member, comprising Mudstone with sub-ordinate dolomitic siltstone and fine-grained sandstone. Gypsum veins and nodules are also common depending on locality. It is understood this geology is a part of the Sidmouth Mudstone Formation, one of many mudstone and gypsum / anhydrite bearing geologies forming the regional Mercia Mudstone Group.

No linear features such as faults were recorded to underlie the site by the BGS resources reviewed.

Borehole Logs

No archive BGS borehole logs or other ground investigation information is available for the subject site. However, based on a review of the BGS borehole database, the closest borehole is located approximately 260 m to the south-east. Whilst this may not be wholly representative of the ground conditions underlying the subject property given the distance, the borehole is situated within the same superficial and bedrock geology. The borehole was progressed to a maximum depth of 3.10 metres below ground level (m bgl).

No indication of groundwater level was provided. Borehole reference SK41SE64, is summarised below, and a copy is presented within Appendix II.

Depth (m bgl)	Description
0.00 – 0.40	Dark brown silty clay with occasional gravel (TOPSOIL).
0.40 – 2.60	Firm brown mottled light grey silty clay with occasional fine to coarse rounded to subangular gravel (GLACIAL CLAY).
2.60 – 3.10	Firm dark red brown fissured very silty clay (WEATHERED MERCIA MUDSTONE)

It is interpreted that the above borehole log, when referring to Glacial Clay, suggest the presence of the Oadby Member, whilst the Weathered Mercia Mudstone relates to the recorded Gunthorpe Member. Based on the above log, it is unclear as to whether the ground conditions recorded between 2.60 – 3.10 m bgl is representative of bedrock and may still represent continued vertical succession of the Oadby Member.

Economic Geology

The Landmark Envirocheck data and Coal Authority database identifies that the site is in an area which may not be affected by coal mining. As a consequence, no Coal Authority report has been reviewed during the compilation of this report.

Dependent on localised bedrock succession, there may be gypsum / anhydrite bands within the Gunthorpe Member. Should deposits be present, any geotechnical and geological risk will be dependent on the thickness and extent of those bands. Thin gypsum bands are not considered to represent a significant ground stability risk, however more extensive bands may pose a geotechnical risk and constraint to future development due to the potential for dissolution features. The subject site area is not understood to be situated in an area historically known for dissolution features.

Ground Gas & Radon

Based on the anticipated ground model, there is not perceived to be a significant source of ground gas posed to the development area. Localised Made Ground maybe present on-site which may pose as a potential source of ground gas, however this is dependent on the composition of Made Ground. Similarly, Made Ground deposits may be present in the location of the second pond, that from historical maps, is suspected to have been infilled. The ground gas generation potential of Made Ground deposits, whether relating to general Made Ground deposits or possible pond infill, will be dependent on the concentration of putrescible material within those deposits.

Potential off-site sources are limited to a potentially infilled land entry (water) recorded approximately 150 m west, relating to a former stream that was infilled from c. 1955. This feature is not foreseen to pose a significant risk of gas generation potential given the net cohesive superficial geology and distance from the subject site.

According to UK maps of radon, an online facility provided by the UK Health Security Agency, the site is situated within an area of elevated radon potential, whereby the maximum radon potential is 3% - 5%. This statement is corroborated by the Landmark Envirocheck report. In addition, the Landmark Envirocheck report suggests that part of the site area may require basic radon protection measures for the construction of new dwellings or extensions.

A detailed radon assessment is out-with the scope of this report. It is however recommended that further assessment is undertaken to determine the bespoke requirements for the site and proposed development.

8. Hydrogeology

Aquifer Status

According to the Landmark Report and the Environment Agency website, the superficial deposits is recorded and classified as a Secondary – Undifferentiated comprising geology of low permeability with negligible significance for water supply.

The bedrock deposits are recorded and classified as a Secondary (B) Aquifer, comprising predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Groundwater Levels

Given the absence of previous third-party data for the subject site, and the absence of publicly available borehole records proximal to the site, the likely depth to groundwater is not currently known. Perched groundwater may be present in shallow superficial deposits.

Groundwater Source Protection Zone

The subject site is not situated within a groundwater Source Protection Zone.

Groundwater Abstraction Licences

Based on information presented within the Envirocheck Report, there are no groundwater abstraction licences located within 500 m of the site area. One is recorded within 1km of the site for *Industrial Processing*.

9. Hydrology

Surface Watercourses

There are no significant surface water features within the vicinity of the subject site.

Culverted Watercourses

Whilst inconclusive, in reference to the topographic survey provided by the Client, a drain is recorded which trends north towards a pipe associated with the nearby A50. Dense vegetation in this area prevented the surveying of this feature. It cannot be ruled out at this stage that this drain is culverted and will be inspected as part of the site reconnaissance. In any event, it would be prudent to undertake an intrusive drainage survey to trace and identify this feature.

Surface Water Abstractions

Based on information presented within the Envirocheck Report, no licensed surface water abstractions have been identified within a 500 m radius of the site.

Flood Risk

According to the Environment Agency database and mapping, the site falls within Flood Zone 1, land assessed as having a less than 1 in 1,000 annual probability of river or sea flooding (<0.1%) and is therefore outside the area at significant risk of flooding from rivers and sea.

Based on information contained within the Envirocheck Report areas of the site may experience localised surface water flooding particularly in periods of heavy rain in low lying areas. For further advice, consultation with a drainage engineer would be required and it is recommended in the event of redevelopment a flood risk assessment which addresses the proposed drainage and surface water flooding issues is undertaken.

10. Ecology

No significant ecological constraints have been identified at this time, pending confirmation from the site reconnaissance visit.

The Landmark Envirocheck has identified two nitrate vulnerable zone entries referring to a zone of which the site is within, relating to surface water receptors and the Cropston & Swithland Reservoirs. The description refers to a eutrophic lake. To note in the surrounding area, an area of ancient woodland named 'Cover Cloud' is present approximately 100 m east of the site.

11. Environmental Sensitivity

The superficial and solid geological deposits are classified as a Secondary Undifferentiated Aquifer and Secondary B respectively. The site is not situated within a groundwater Source Protection zone and there are no potable groundwater abstraction licences within 500m of the site. As such, the site location is considered to be of low environmental sensitivity.

12. Regulatory Databases

From a review of Landmark Envirocheck Report (310387937_1_1) presented in Appendix II, the following regulatory authorisations, consents and permits have been identified within 250m (i.e. in the planning consultation zone).

Record	On site	Within 250m Radius	Details
Discharge Consents (Active)	0	0	Not Applicable (N/A)
Environmental Permits (Active)	0	0	N/A
Contemporary Trade Directories	0	5	Five contemporary trade directory entries are recorded within 250 m of the site area, relating to copying services, garage services, mechanical engineers, polishing, and under floor heating producer.
Potentially Infilled Land	0	2	There is a recorded of two areas of Unknown filled ground (pond, marsh, river, stream, dock etc) 153m to the west and 207m to the south-west both dated 1955. Due to the time that has elapsed these are not considered to represent a risk.
Pollution Incidents	0	0	N/A
Landfill Sites	0	0	N/A
Fuel Sites	0	0	N/A
COMAH sites	0	0	N/A
BGS Recorded Mineral Sites	0	0	N/A
Radon	The site is located in an intermediate probability radon area (3 to 5 % of homes are estimated to be at or near the action level) As a consequence, basic radon protection measures may be required in the construction of new dwellings or extensions.		

UXO Assessment

Following a review of a Zetica Unexploded Bomb Risk Map for the area in which the site is located, it appears that the site is located within an area with a Low risk. Further mitigation of UXO risk is unlikely to be required. Please refer to Appendix II for a copy of the Zetica map reviewed.

13. Regulatory Enquiries

Planning

A search of the Hinckley & Bosworth Borough Council online planning portal has not identified planning applications relating to the property or any further environmentally pertinent information.

Contaminated Land

It is stated on the Hinckley & Bosworth Council web-page that no land within the Council's area of interest is subject to Part 2A of the Environmental Protection Act, 1990. In addition, the Landmark Envirocheck does not flag that the site area is subject to 'Contaminated Land Register Entries and Notices', which would include a Part 2A designation if present.

At this time, based on a review of available information, it is the opinion of Roberts Environmental that there is an absence of significant source-pathway-receptor pollutant linkages. As such, it is unlikely the site would fall within the definition of Contaminated Land under Part IIA of the EPA 1990.

14. Preliminary Geotechnical Considerations

Following an assessment and appraisal of the expected ground model underlying the subject site, the following geotechnical considerations are noted:

- **Volume change potential** – The Oadby Member is of a net cohesive composition and of glacial origin. In addition, the site is both bound and host to numerous semi-mature to mature trees. The impact of heave following vegetation removal and rehydration will require further consideration, in addition to the potential for subsidence related to desiccation of soils by planting of new vegetation. The masterplan suggests that some foundations may be proximal to existing or newly planted trees and may require further consideration.
- **Enabling Earthworks** – To facilitate development, it is likely a site-wide topsoil / shallow Made Ground strip will be required to prepare formations. Any residual infrastructure such as utilities should be removed or redirected as part of the enabling works.
- **Topographic Variation** – The site is topographically lowest in central areas, and highest in eastern areas. Elevations also increase towards the southern boundary, but particularly to the northern boundary. A relatively minor adjustment in levels by way of cut and fill may be required to achieve development levels, either via re-use of on-site materials or by importation of fill.
- **Aggressive Ground** – The ground conditions underlying the site area may be of a pyritic composition. The Gunthorpe Member, part of the Mercia Mudstone Group, is known to be aggressive due to natural pyrite and sulphur deposits. The Oadby Member may also comprise aggressive geochemistry given the geological / glacial history and relationship with the underlying bedrock geology. Assessment of strata in accordance with BRE SD1 Concrete in Aggressive Ground, 2005 will be required as part of future ground investigation.
- **Proximal Highways Infrastructure** – Whilst not considered to be of significant risk, enabling earthworks and development of the site should ensure that the stability of the embankment along the northern boundary is not adversely impacted.

15. Preliminary Conceptual Site Model

Potential Sources

- No significant sources of soil-bound contamination have been identified, during the compilation of this report. Given the site history it is possible that some Made Ground deposits are present at the site which at this stage are of an unknown origin and nature. Such deposits may comprise low-level contaminants.
- No significant sources of volatile vapours have been identified by this assessment.
- The ground model beneath the subject site may give rise to sources of radon.
- No significant potential sources of ground gas have been identified during the compilation of this report. Any potential off-site sources of ground gas are considered to be too distant from the site, when considering the recorded superficial cohesive geology.

Potential Pathways

Current

- The site currently comprises a horse paddock with open areas of soft landscaping and vegetation. As such, there is the potential for direct contact or inhalation/ingestion pathways to exist particularly from soil bound contaminants.
- Mobile contaminants (if present) have the potential to migrate vertically and laterally to underlying groundwater, adjacent properties including residential occupants.
- Due to the likely impermeable nature of the site surface, with no viable pre-existing pathway, the potential risk from ground gases is negligible.
- No significant sources of soil, ground or ground gas contamination have been identified.

During Redevelopment

- Ground workers could be exposed to contamination in soils and groundwater beneath the site via the direct contact or inhalation/ingestion pathways (if present).
- Intrusive works into the subsurface could result in the mobilisation of contaminants (if present) into groundwaters and to the adjacent areas. However, no significant sources of contamination have been recorded at the subject site.

- Intrusive works into the subsurface could displace potential gases and vapours opening lateral and vertical migration routes into service runs and confined spaces within buildings situated on site or in adjacent areas (if present).

Post Site Development

- Direct contact or inhalation/ingestion pathways could exist where gardens/landscaped areas and/or permeable surfacing is proposed at the site.
- Mobile contaminants (where present) have the potential to migrate vertically and laterally via permeable strata. Where present, contamination may impact foundations and services placed on site via direct contact.
- Ground gas and vapours (where present) may have the potential to impact the site and adjacent receptors via:
 - Lateral migration through soil pores or discontinuities and ingress into proposed buildings on the site;
 - Through proposed service ducts;
 - Discontinuities in floor slabs and foundations.

Potential Receptors

The key receptors at the site have been identified as:-

Current

- Potential visitors and trespassers;
- Groundwaters;
- Adjacent residential properties.

During Site Development

- Construction/ground workers;
- Groundwaters;
- Adjacent residential properties.

Post Site Development

- Future residents and future site users (residents, employees and maintenance workers);
- Future properties including foundations and services;
- Planting within landscaped areas and gardens;
- Groundwaters;
- Adjacent residential properties.

16. Environmental Risk Assessment

Regulatory Regime

In order to assess the risks associated with the presence of ground contamination, the linkages between the sources and potential receptors need to be established and evaluated. This is in accordance with Part 2A of the Environmental Protection Act (EPA) 1990, which provides a statutory definition of Contaminated Land and as revised under The Contaminated Land (England) (Amendment) Regulations 2012. To fall within this definition it is necessary that, as a result of the condition of the land, substances may be present on or under the land such that:

- Significant harm is being caused or there is a significant possibility of such harm being caused; or
- Significant pollution of controlled waters is being caused, or there is a significant possibility of such pollution being caused;
- Risk from contamination is assessed by consideration of possible linkages between contaminant sources and potential receptors which could be harmed or polluted, and the potential pathways between them. A contaminant linkage must exist in relation to particular land before the land can be considered potentially to be contaminated land under Part 2A, including evidence of the actual presence of contaminants.

Risk Exposure

The risk of significant harm to human health or of pollution of controlled waters given the current and proposed future site uses has been assessed qualitatively as low, medium or high, see Appendix III. A risk estimation matrix for all pollutant linkages identified is shown in the below.

Receptor	Potential sources	Pathways	Risk	Justification
Human Health				
Current site users	Potential contamination in soils and groundwater.	Direct contact, ingestion, inhalation of dusts and/or fibres	Low	The historical assessment has not identified significant potential sources of contamination at the site. Localised Made Ground from unrecorded site uses cannot however be ruled out entirely at this stage and may comprise low-levels of contamination. In addition, naturally occurring concentrations of contaminants may be present in soils. Exposure to residual contamination (if present) would be negligible when considering the limited duration of site occupation.
	Ground gas and/or vapour generated by made ground.	Passive migration of gas/vapour and build-up of harmful concentrations	Low	No significant sources of ground gas have been identified at the site. No significant receptors or confined spaces are currently present.
Future ground workers	Potential contamination in soils and groundwater.	Direct contact, ingestion, inhalation of dusts and/or fibres	Low	The historical assessment has not identified significant potential sources of contamination at the site. Localised Made Ground from unrecorded site uses cannot be ruled out entirely at this stage and may comprise low-levels of contamination. In addition, naturally occurring concentrations of contaminants may be present in soils. Future workers should exercise good standards of hygiene and utilised PPE/RPE as relevant.
	Ground gas and/or vapour generated by Made Ground.	Passive migration / displacement of gas and build-up of harmful concentrations	Low	No significant sources of ground gas have been identified at the site and within the surrounding area. In addition, groundwork's will be undertaken in open air and are unlikely to extend to a significant depth. Excavations will be well ventilated. Redevelopment workers should be subject to risk assessment. Workers should use appropriate procedures to manage risk from exposure to materials on site.
Future residents	Potential contamination in soils and groundwater.	Direct contact, ingestion, inhalation of dusts and/or fibres	Low	No potentially significant sources of contamination have been noted. During future ground investigations, it would be prudent to undertake chemical analysis of soil samples recovered from the site to confirm

Receptor	Potential sources	Pathways	Risk	Justification
				the absence of a significant risk, as predicted by this assessment. Potential pathways are likely to be reduced by proposed development plans, by way of hardstanding, and construction of the care home itself.
	Ground gas and/or vapour generated by made ground	Migration of gas and build-up of harmful concentrations	Low	No significant sources of ground gas have been identified at the site and within the surrounding area. Furthermore, the cohesive geology is likely to inhibit the migration of generated ground gas to the surface. Due to the high sensitivity of the development, precautionary gas monitoring would be appropriate to confirm whether gas protective measures are required.
Property / Built Environment				
Future residential care home property and associated services	Potential contamination in soils and groundwater.	Direct contact with foundations and services.	Low to Medium	The preliminary ground model potentially comprises of aggressive geochemistry which may have the potential to attack and degrade buried concrete. Future geotechnical investigation should include for a suitable suite of testing, including pH and SO ₄ analysis to determine the concrete design classification for soils underlying the site.
	Ground gas and/or vapour generated by made ground	Migration and build-up of potentially explosive concentrations of ground gas.	Low	No significant sources of ground gas have been identified at the site and within the surrounding area. Confirmation of the ground gas regime should be undertaken during any future ground investigation for preliminary geotechnical design to determine any requirement for gas protection measures.
Current and future planting within gardens and landscaped areas	Potential phytotoxic contaminated soil, groundwater.	Direct contact with roots and plant uptake.	Low	Current on and off-site vegetation appeared in good condition. Based on available information, it is considered unlikely that contamination exists at the site with the potential to cause significant harm to plants situated on site.
Controlled Waters				
Surface Waters	Potential soil and groundwater contamination	Lateral migration of mobile contaminants via groundwater	Low	No significant potential sources of contamination have been recorded on site. The risk to Controlled Waters will be further considered during future ground investigation works.

Receptor	Potential sources	Pathways	Risk	Justification
Groundwater within the Aquifer deposits	Potential Contamination in soils and groundwater.	Migration of mobile contaminants into groundwater	Low	No significant potential sources of contamination have been recorded on site. Furthermore, any vertical migration to Secondary B controlled waters is likely to be impeded by the superficial unproductive aquifer above. The risk to Controlled Waters will be further considered during future ground investigation works.
Overall Risk Rating				LOW to MEDIUM

17. Conclusions

The subject site currently comprises of a horse paddock. No potentially significant sources of contamination have been identified associated with the site's current status. It is understood that the site is being considered for redevelopment into a residential care home with landscaped areas, hardstanding and car parking.

The site is positioned within an area underlain by superficial deposits of the Oadby Member, comprising glacial till. The underlying bedrock deposits are recorded as the Gunthorpe Member, comprised predominantly of mudstone with gypsum / anhydrite bands.

The superficial deposits underlying the site are classified as Secondary – Undifferentiated. The bedrock deposits underlying the site are classified as a Secondary B Aquifer. The site is not situated within a groundwater Source Protection Zone. There are no water abstraction licences recorded within 500 m of the subject site. Furthermore, the site is situated within Flood Zone 1. As such, the site location is considered to be of Low environmental sensitivity.

Based on a review of historical mapping, no significant sources of contamination have been recorded on site or within the immediate surrounding area. As such, it is considered unlikely that significant contamination of soils and groundwaters beneath the site would have occurred when considering the sites historical usage. Unrecorded events may have occurred between reviewed mapping editions and cannot however be discounted.

Based on the information obtained during the desk study it is concluded that the environmental risk arising from the ground condition at the subject site when taking into account the sites current status and usage is Low.

Geotechnical consideration should be given to the potential for aggressive geochemistry within underlying geologies, that have the potential to degrade concrete. Such risks should be assessed by future ground investigation. In addition, regrading of the site to achieve development levels may also be required dependent on the finalised masterplan.

When considering the proposed redevelopment of the site for a care home usage, it is concluded that the potential environmental risk to arising from the ground condition at the subject site would be Low to Medium. Based on the above and assuming the additional works as outlined in Section 18 are undertaken, it is the opinion of Roberts Environmental, that the issues identified should not preclude the future redevelopment of the site.

18. Recommendations

As part of the proposed redevelopment, we recommend that the client undertakes the following action:

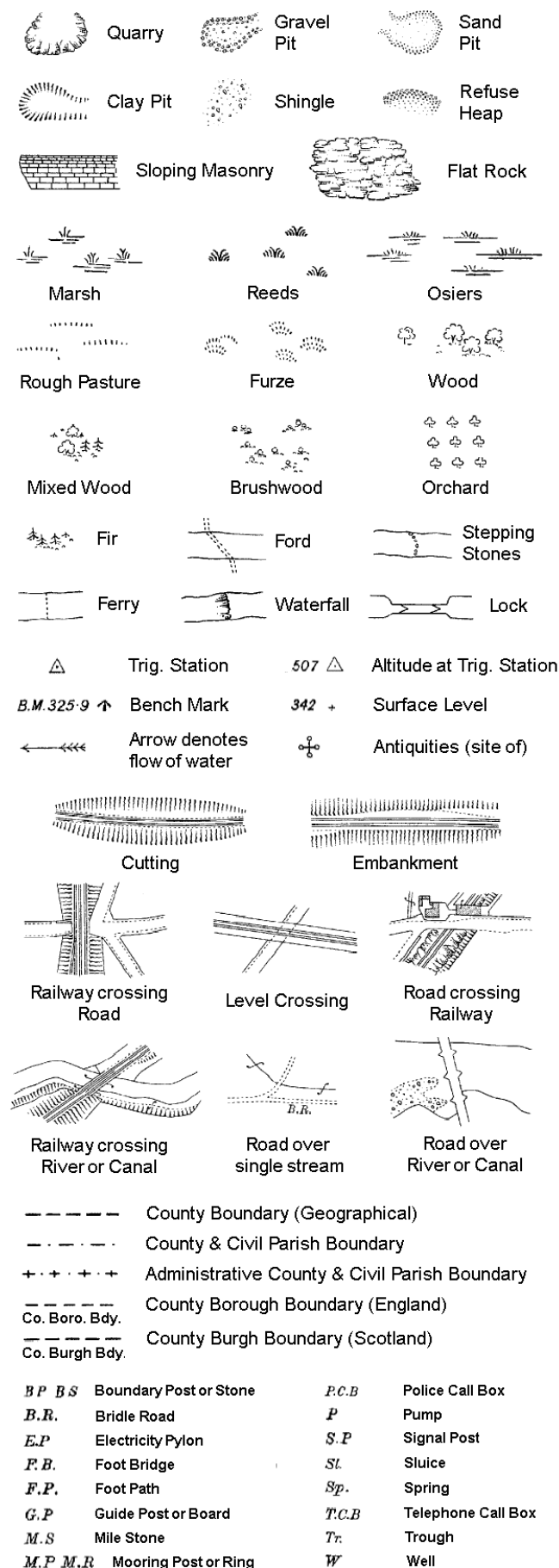
- An intrusive ground investigation would be required to allow for the collection of geotechnical data, to be used to inform future foundation design. During any such investigation it may be prudent to obtain environmental samples from soils to confirm the absence of a significant risk to human health or sensitive receptors and provide clarification with regards the ground gas regime.
- It may be prudent to undertake a detailed radon assessment to investigate the possible requirement for basic radon protection measures.
- Construction and maintenance work should be subject to risk assessment. Workers should use appropriate procedures and to manage residual risk from exposure to materials on site.

Definitions and Reservations used in this report are presented in Appendix III.

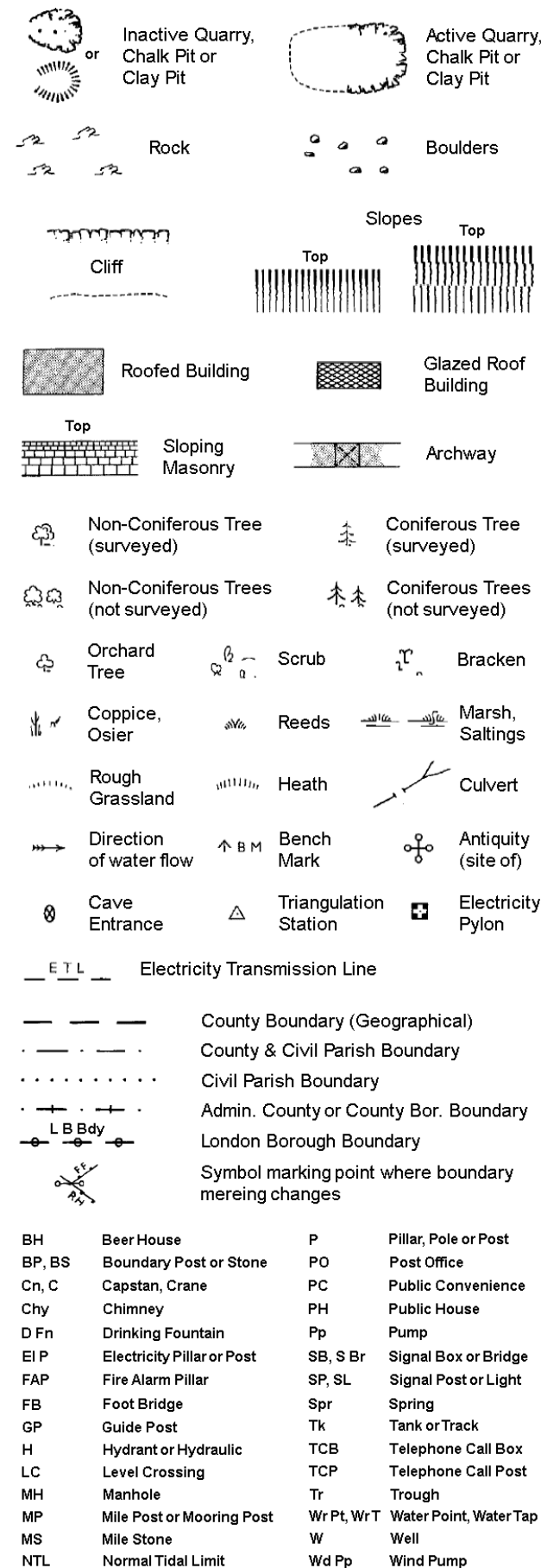
APPENDIX I LANDMARK ENVIROCHECK REPORT & HISTORICAL MAPPING

Historical Mapping Legends

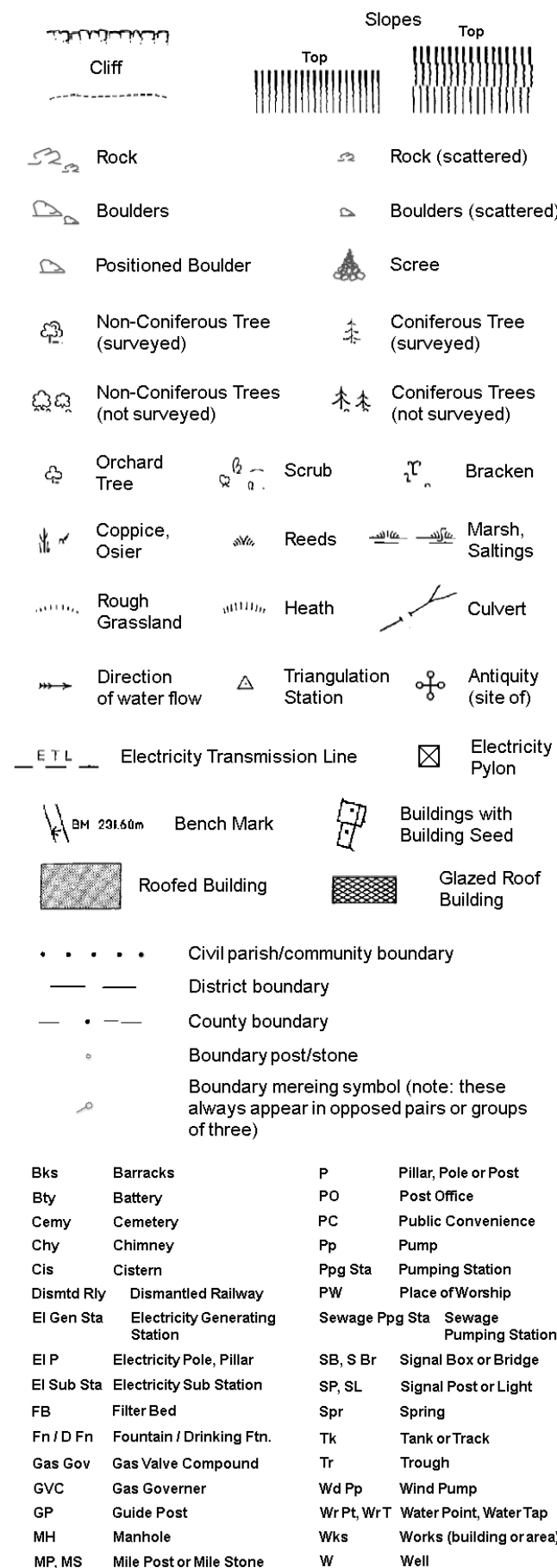
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



Large-Scale National Grid Data 1:2,500 and 1:1,250

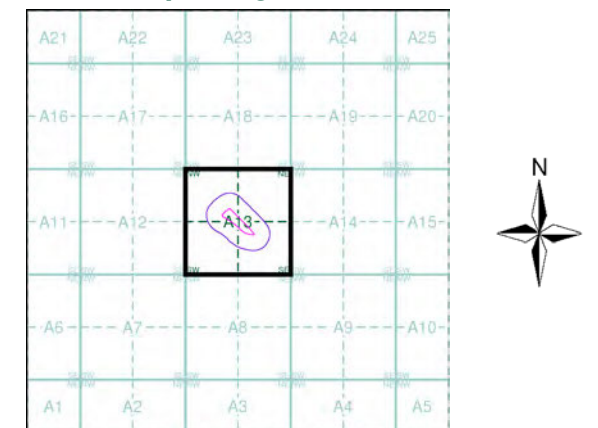


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:2,500	1884	2
Leicestershire	1:2,500	1903	3
Leicestershire	1:2,500	1929	4
Ordnance Survey Plan	1:2,500	1959	5
Ordnance Survey Plan	1:2,500	1967	6
Ordnance Survey Plan	1:2,500	1972 - 1973	7
Supply of Unpublished Survey Information	1:2,500	1974	8
Supply of Unpublished Survey Information	1:2,500	1974	9
Additional SIMs	1:2,500	1978	10
Additional SIMs	1:2,500	1981 - 1992	11
Ordnance Survey Plan	1:2,500	1982 - 1991	12
Additional SIMs	1:2,500	1989	13
Additional SIMs	1:2,500	1991	14
Large-Scale National Grid Data	1:2,500	1993 - 1994	15
Large-Scale National Grid Data	1:2,500	1995	16
Large-Scale National Grid Data	1:2,500	1996	17
Historical Aerial Photography	1:2,500	1999	18

Historical Map - Segment A13



Order Details

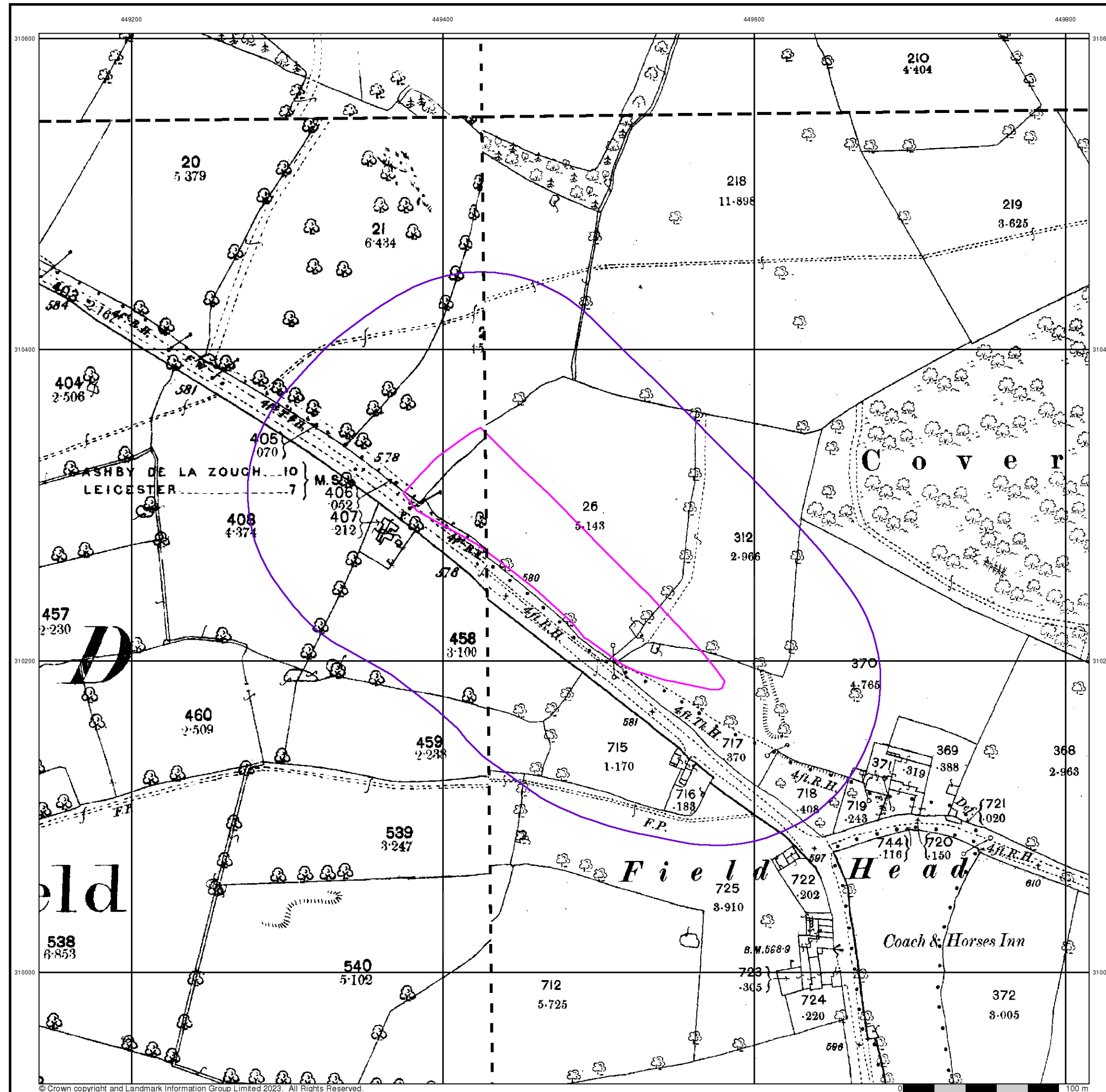
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Site Area (Ha): 1.1
Search Buffer (m): 100

Site Details

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Leicestershire

Published 1884

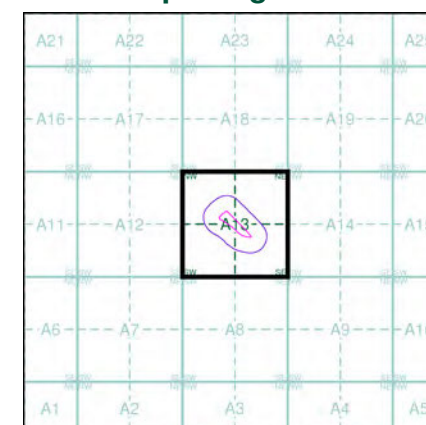
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

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024_14 1884 1:2,500	024_15 1884 1:2,500

Historical Map - Segment A13



Order Details

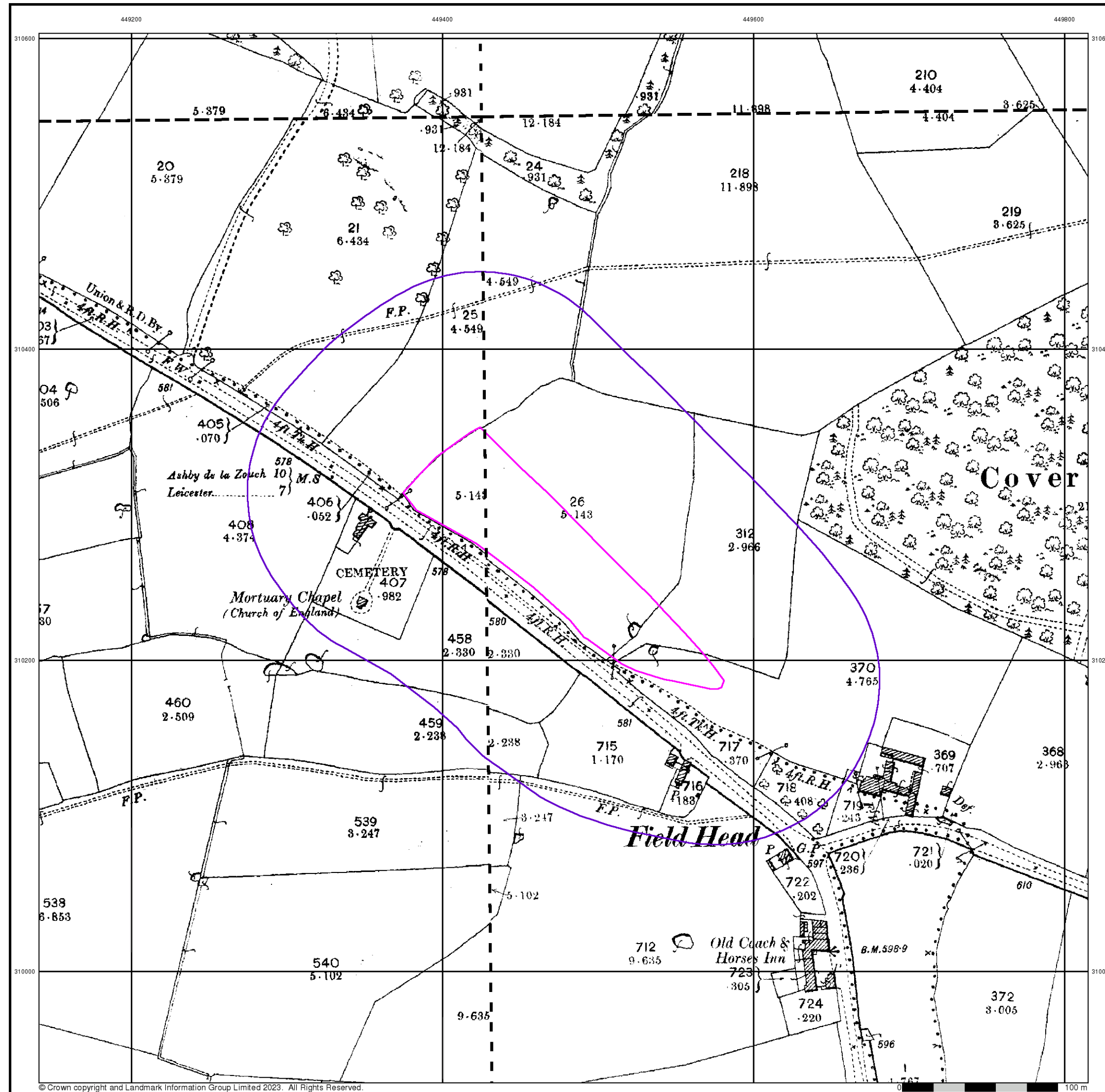
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Leicestershire

Published 1903

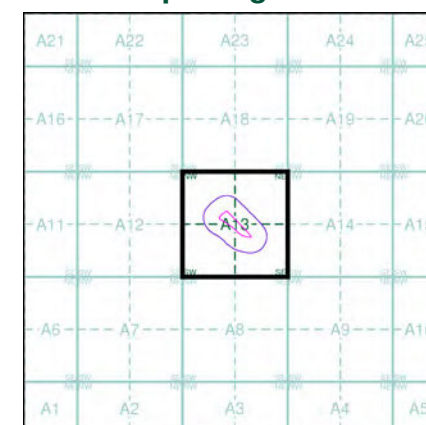
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Map Name(s) and Date(s)

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024_14 1903 1:2,500	024_15 1903 1:2,500

Historical Map - Segment A13



Order Details

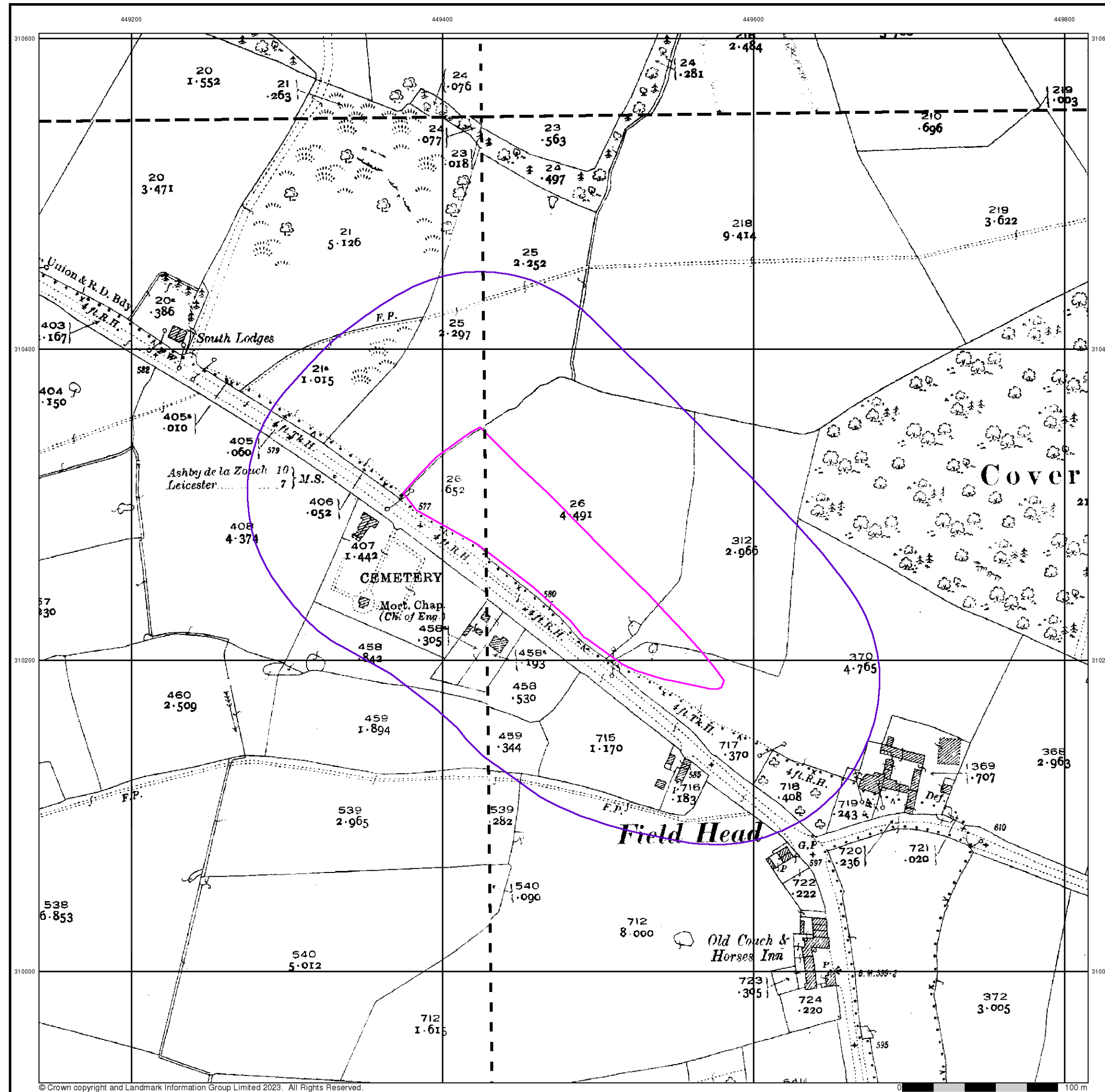
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National Grid Reference: 449480, 310260
Slice: A
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Search Buffer (m): 100

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Leicestershire

Published 1929

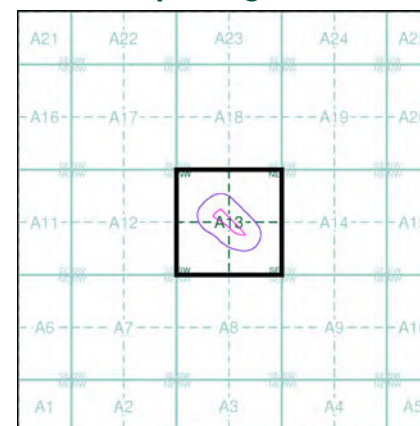
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

024_10 1929 1:2,500	024_11 1929 1:2,500
024_14 1929 1:2,500	024_15 1929 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 310387937_1_1
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Ordnance Survey Plan

Published 1959

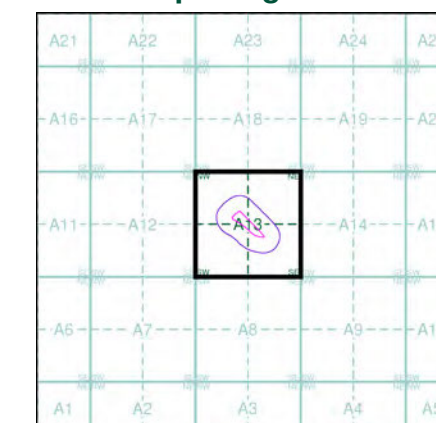
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Map Name(s) and Date(s)

SK4910
1959
1:2,500
SK4909
1959
1:2,500

Historical Map - Segment A13



Order Details

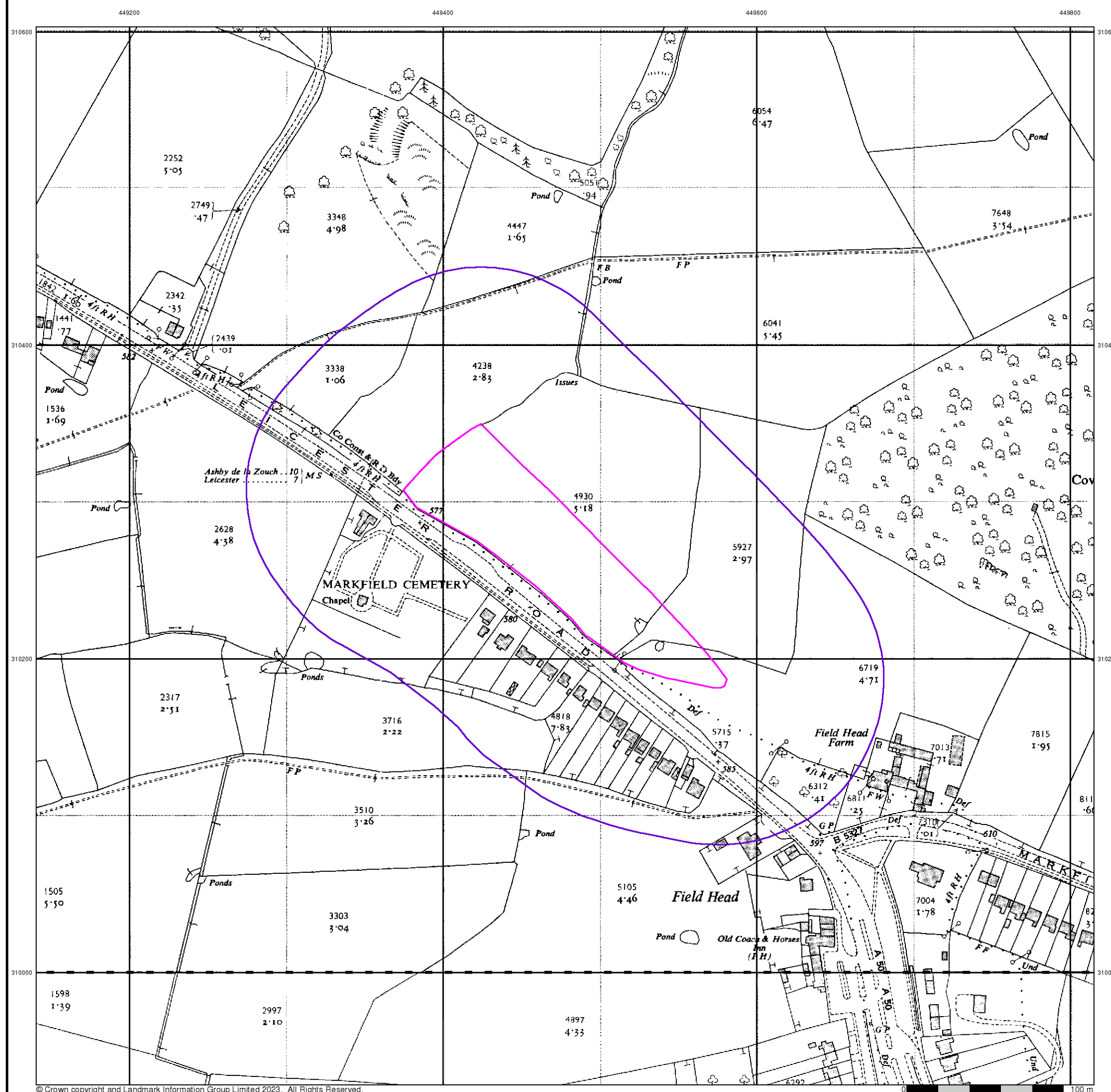
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Ordnance Survey Plan

Published 1967

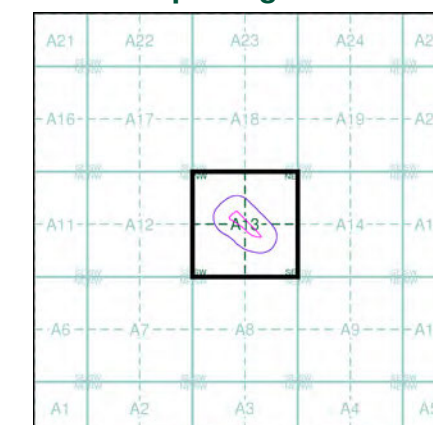
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SK4910
1967
1:2,500
SK4909
1967
1:2,500

Historical Map - Segment A13



Order Details

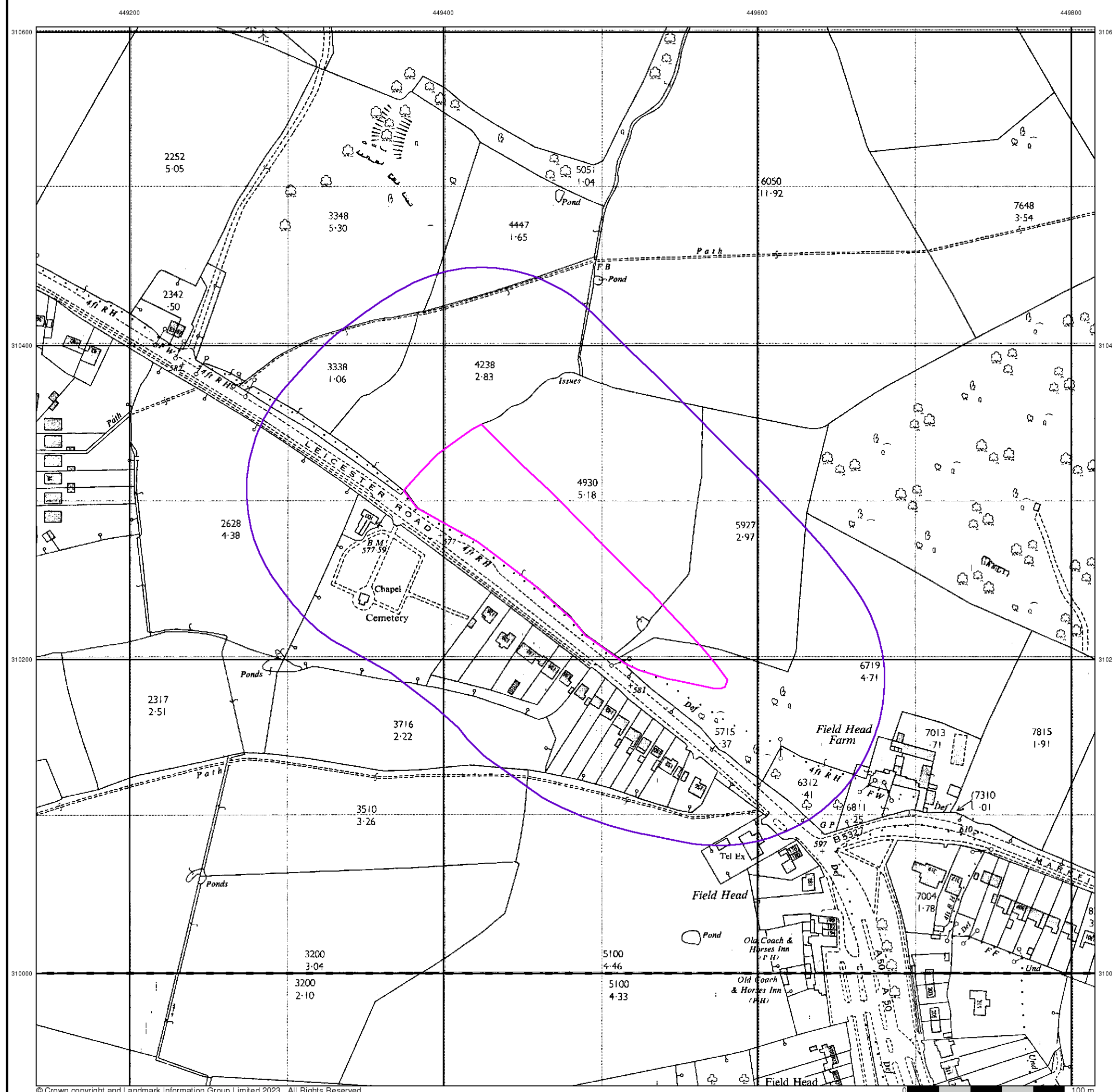
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Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1972 - 1973

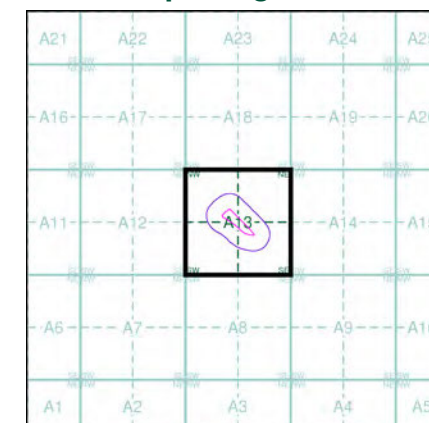
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Map Name(s) and Date(s)

SK4910
1972
1:2,500
SK4909
1973
1:2,500

Historical Map - Segment A13



Order Details

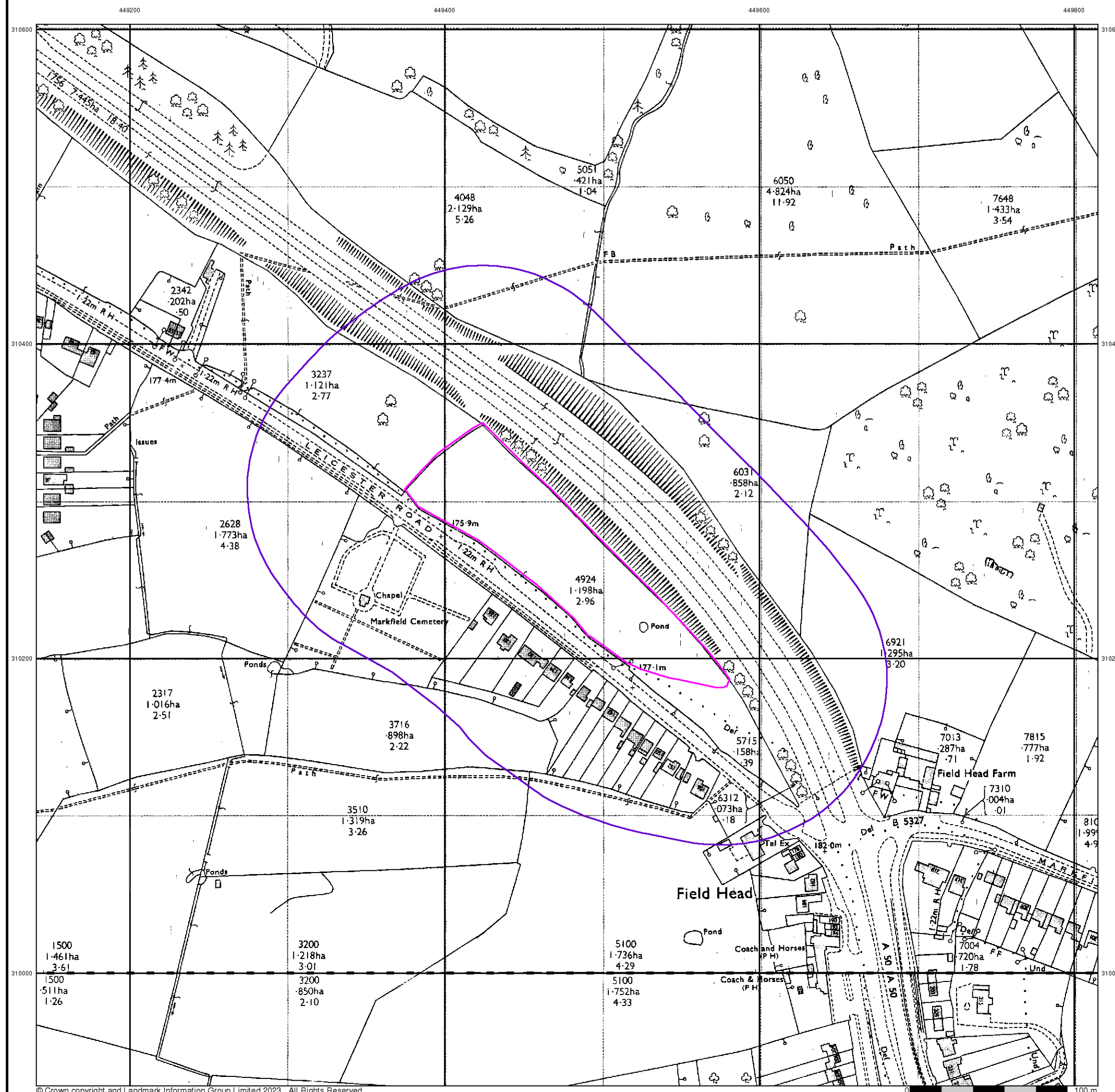
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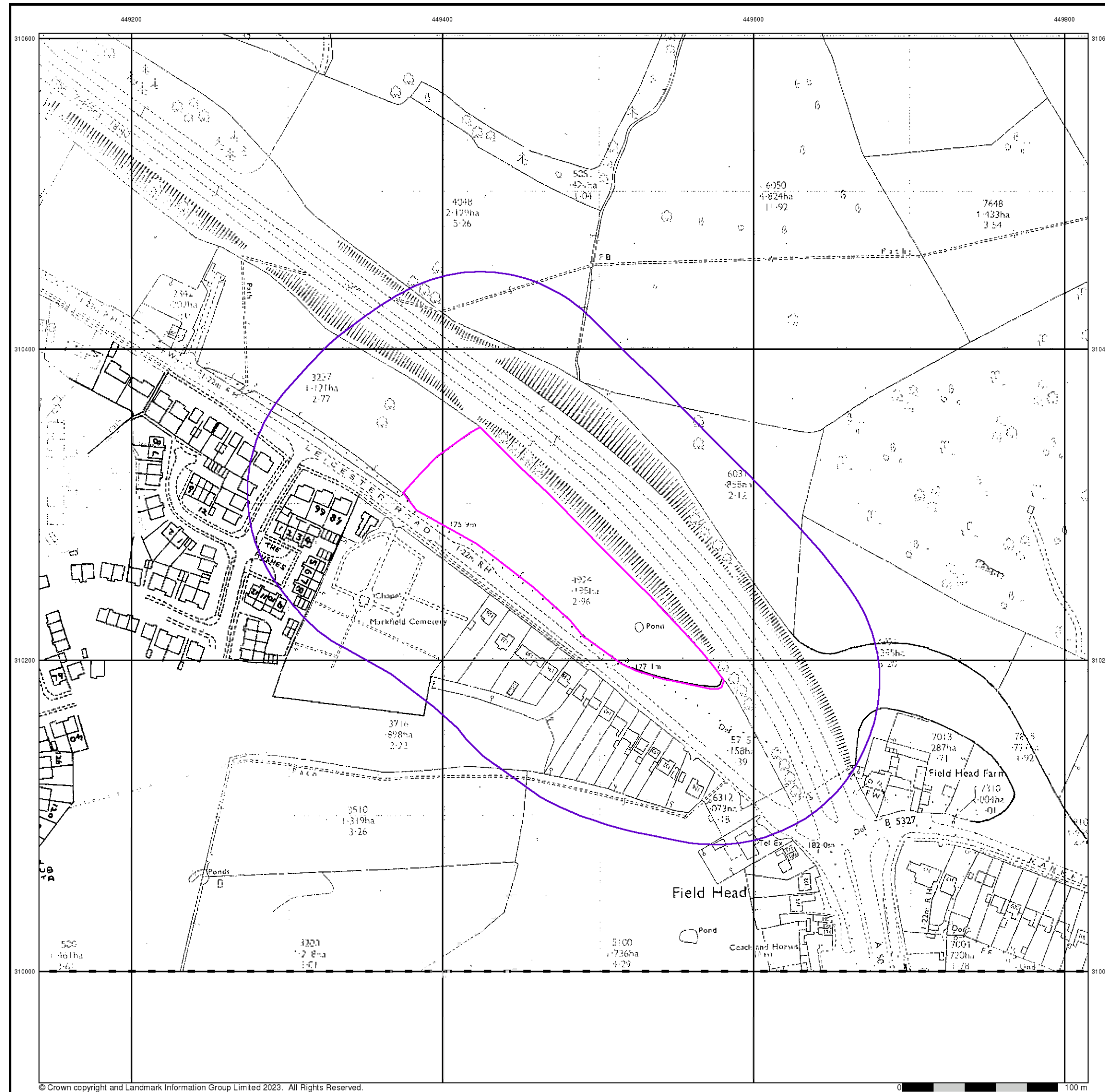
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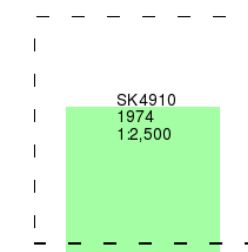
Supply of Unpublished Survey Information

Published 1974

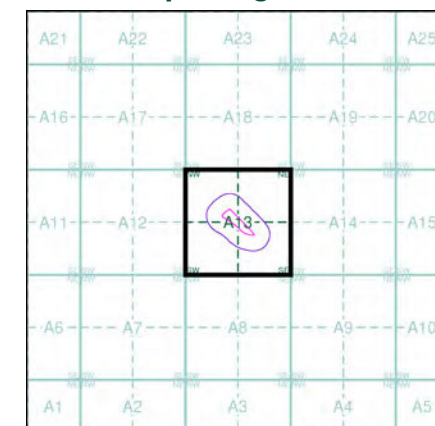
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

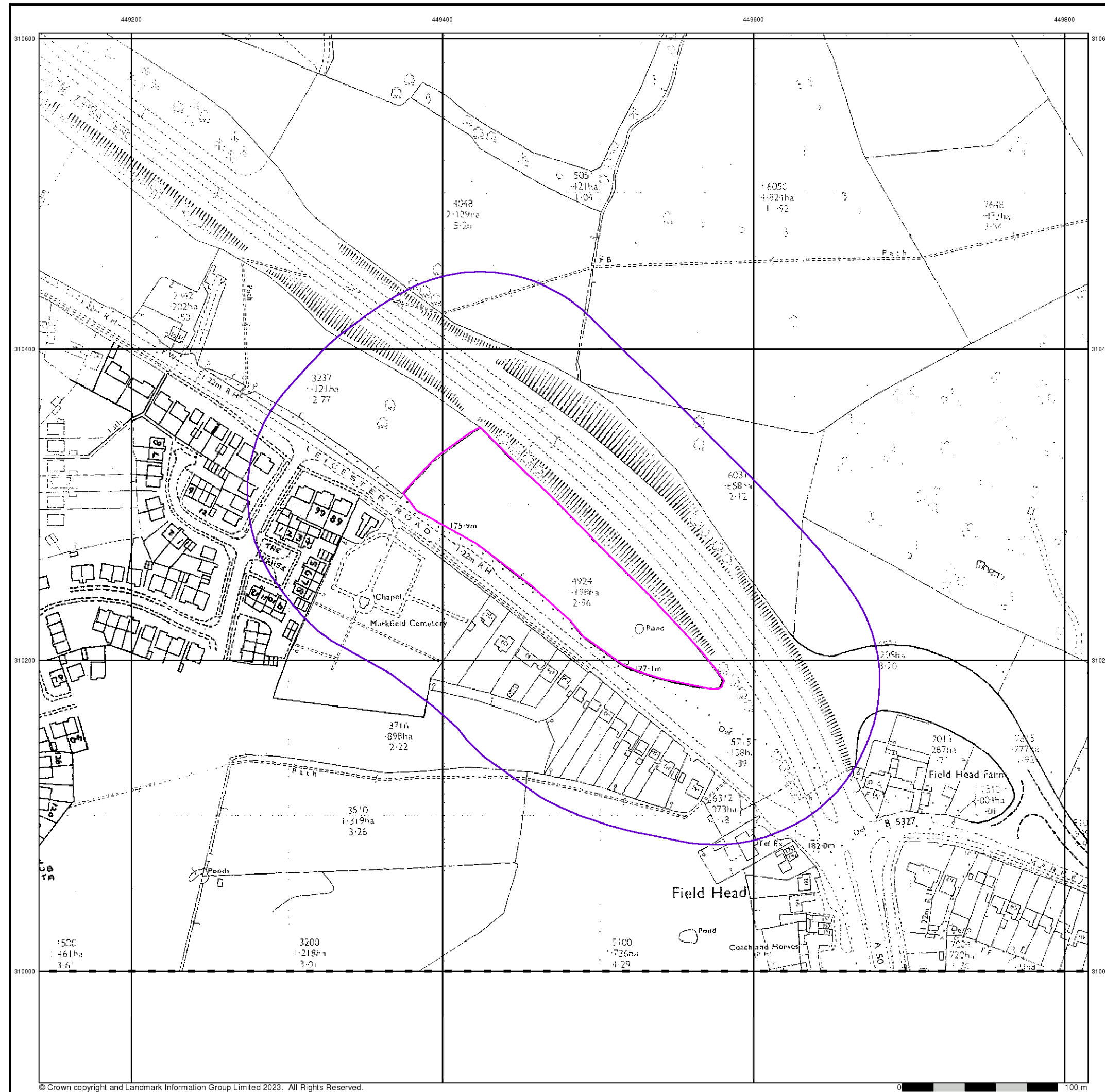
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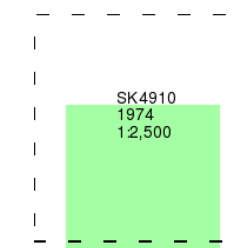
Supply of Unpublished Survey Information

Published 1974

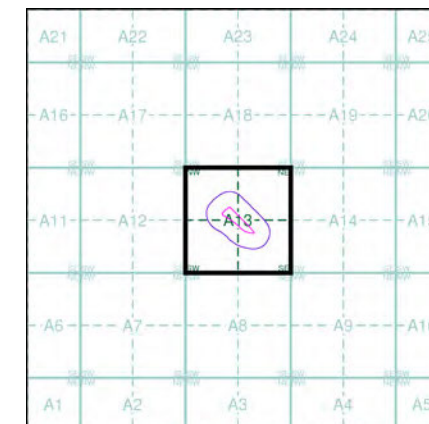
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SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

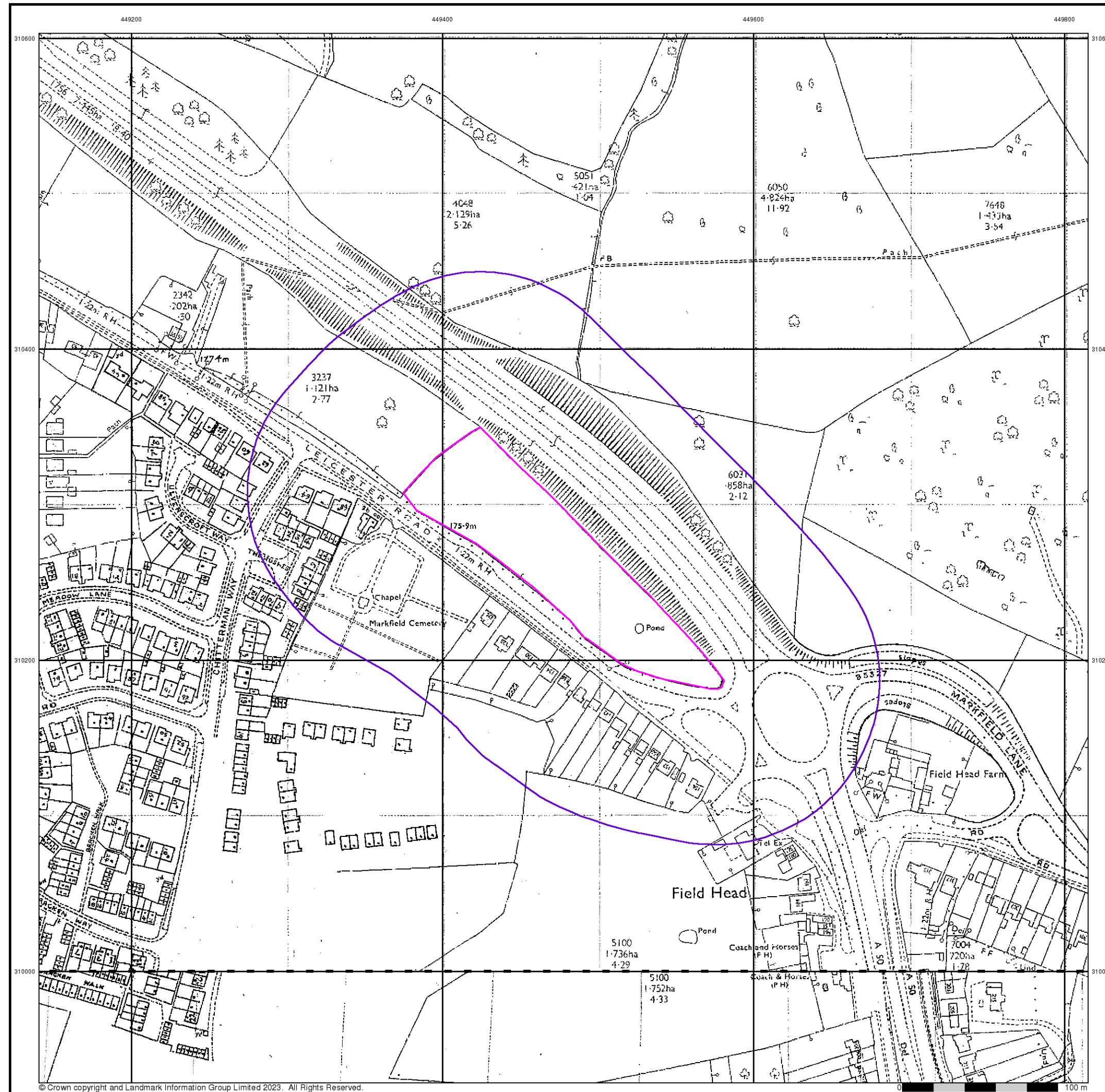
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Slice: A
Site Area (Ha): 1.1
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Additional SIMs

Published 1978

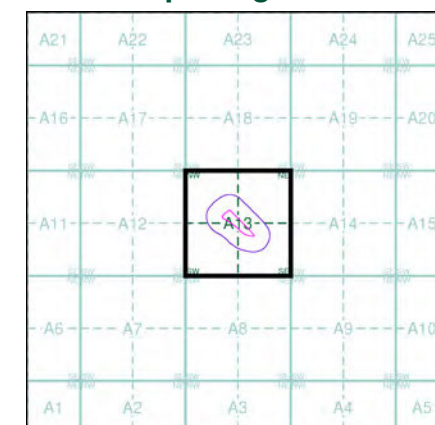
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

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SK4909	1978	1:2,500

Historical Map - Segment A13



Order Details

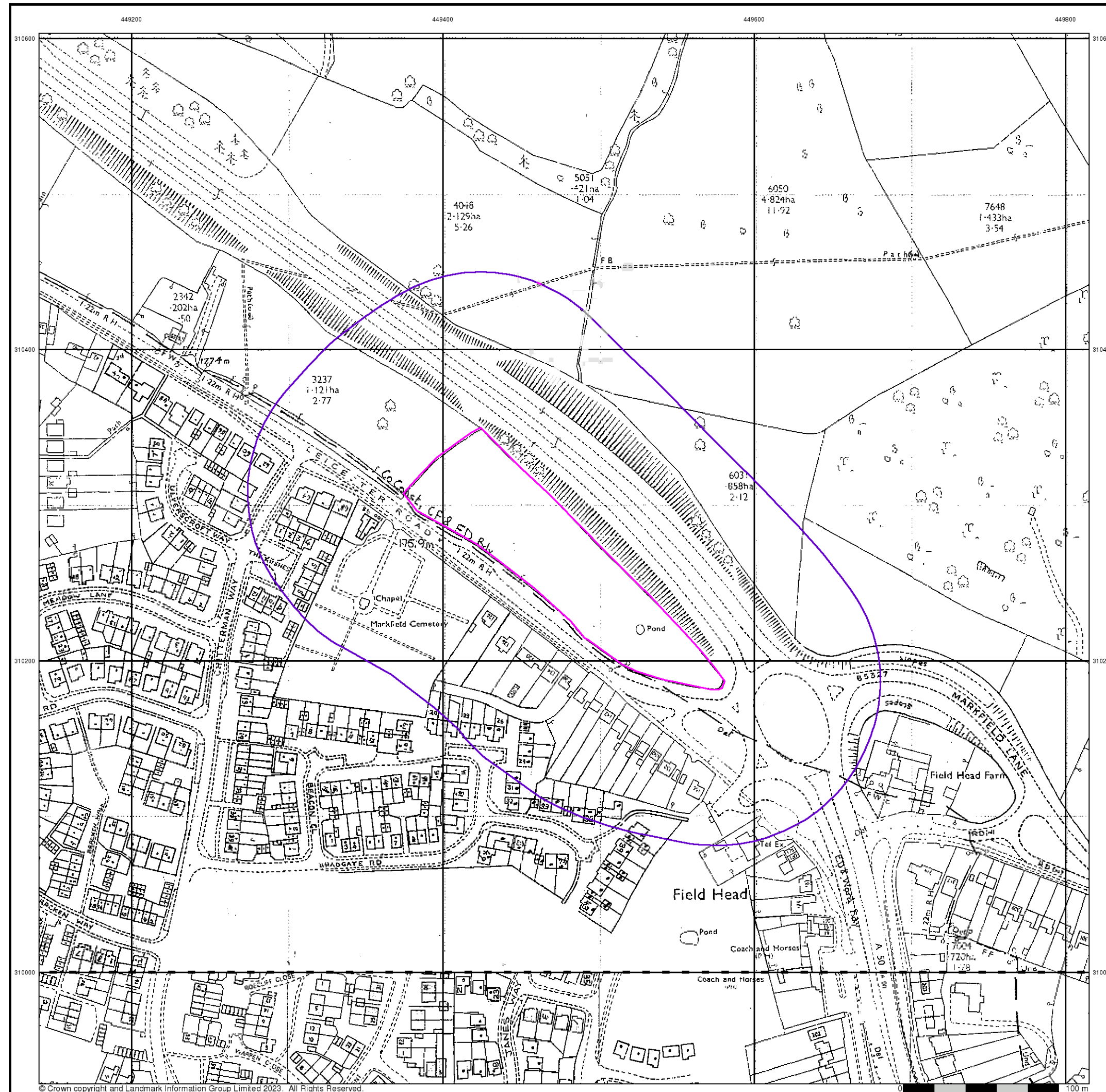
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National Grid Reference: 449480, 310260
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Site Area (Ha): 1.1
Search Buffer (m): 100

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Additional SIMs

Published 1981 - 1992

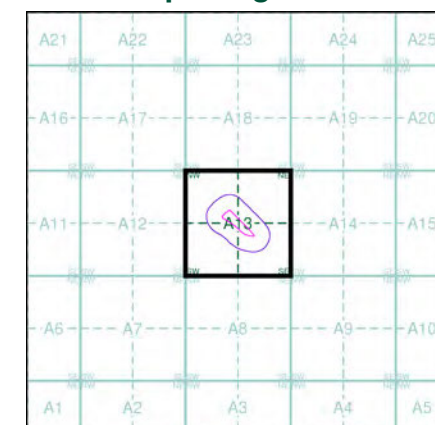
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SK4910	1981	1:2,500
SK4909	1992	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 100

Site Details

138, Leicester Road, MARKFIELD, LE67 9RE

Landmark
INFORMATION GROUP

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ordnance Survey Plan

Published 1982 - 1991

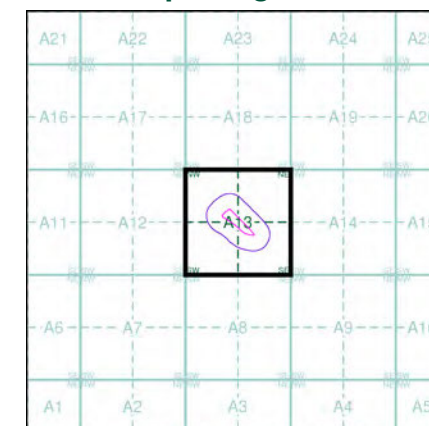
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SK4910
1982
1:2,500
SK4909
1991
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 100

Site Details

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Landmark
INFORMATION GROUP

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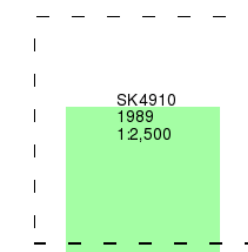


Published 1989

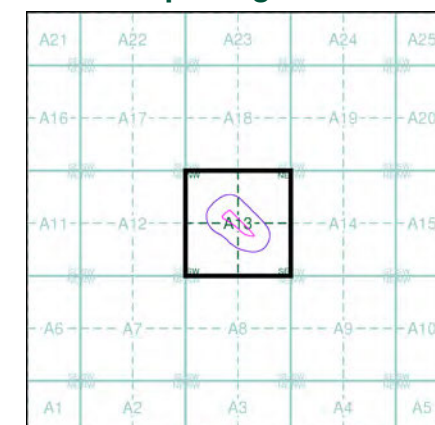
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 100

Site Details

138, Leicester Road, MARKFIELD, LE67 9RE

449200 449400 449600 449800

3100 3104 3108 3102 3100

1549
1.403ha
3.47

2342
291ha
72

3237
1.036ha
2.56

4048
2.129ha
5.26

4359
1.812ha
4.48

5051
421ha
1.04

4726
1.101ha
2.72

5516
1.149ha
2.84

6205
449ha
1.11

6704
356ha
88

6910
057ha
14

7103
371ha
92

7113
469ha
1.16

7917
348ha
86

8044
1.04ha
2.56

LEICESTER ROAD

CRITTERWAY

MARKFIELD LANE

Chapel

Markfield Cemetery

Pond

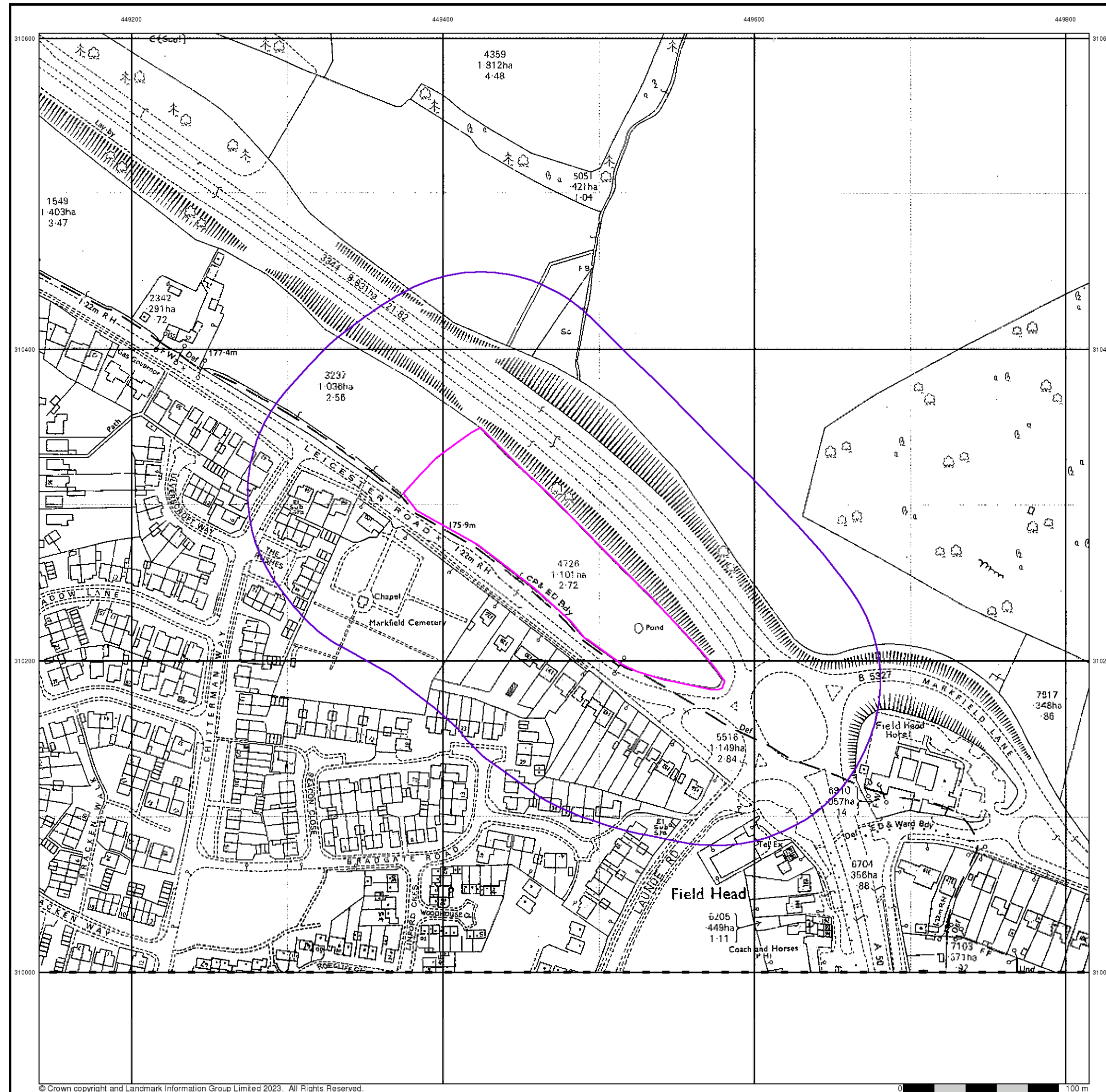
Field Head Farm

Field Head

Coach and Horse

0 100 m

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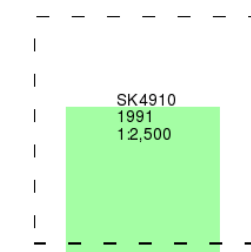
Additional SIMs

Published 1991

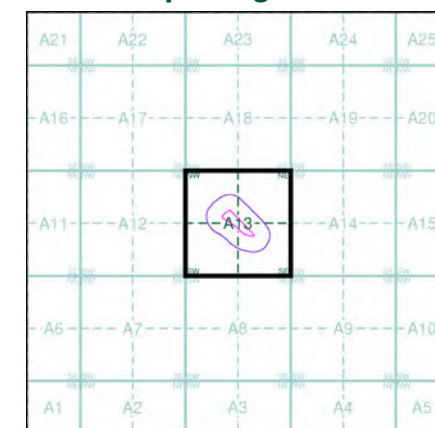
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993 - 1994

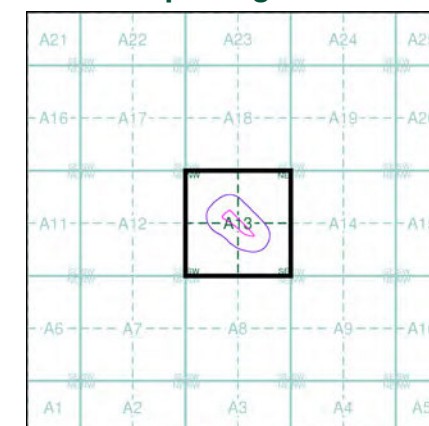
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded S M cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SK4910	I
1993	I
1:2,500	I
SK4909	I
1994	I
1:2,500	I

Historical Map - Segment A13



Order Details

Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 100

Site Details

138, Leicester Road, MARKFIELD, LE67 9RE

Landmark
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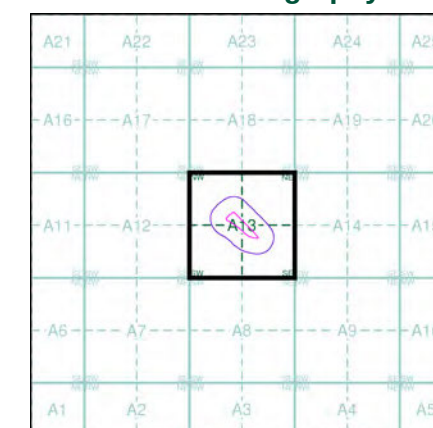
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Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 100

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Fenced Minor Roads		Un-Fenced
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

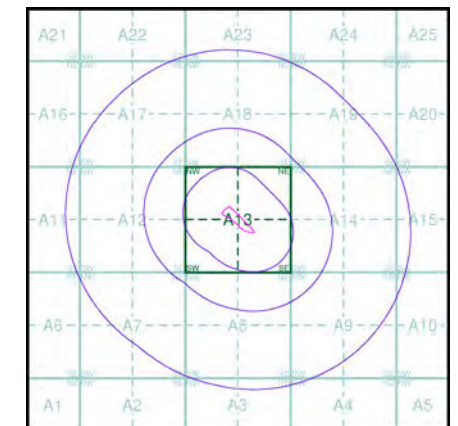


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:10,560	1884 - 1885	2
Leicestershire	1:10,560	1903 - 1904	3
Leicestershire	1:10,560	1919 - 1930	4
Leicestershire	1:10,560	1930	5
Ordnance Survey Plan	1:10,000	1955	6
Ordnance Survey Plan	1:10,000	1964 - 1968	7
Ordnance Survey Plan	1:10,000	1968	8
Ordnance Survey Plan	1:10,000	1973	9
Ordnance Survey Plan	1:10,000	1980 - 1985	10
Ordnance Survey Plan	1:10,000	1992 - 1993	11
10K Raster Mapping	1:10,000	2000	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2022	14

Historical Map - Slice A



Order Details

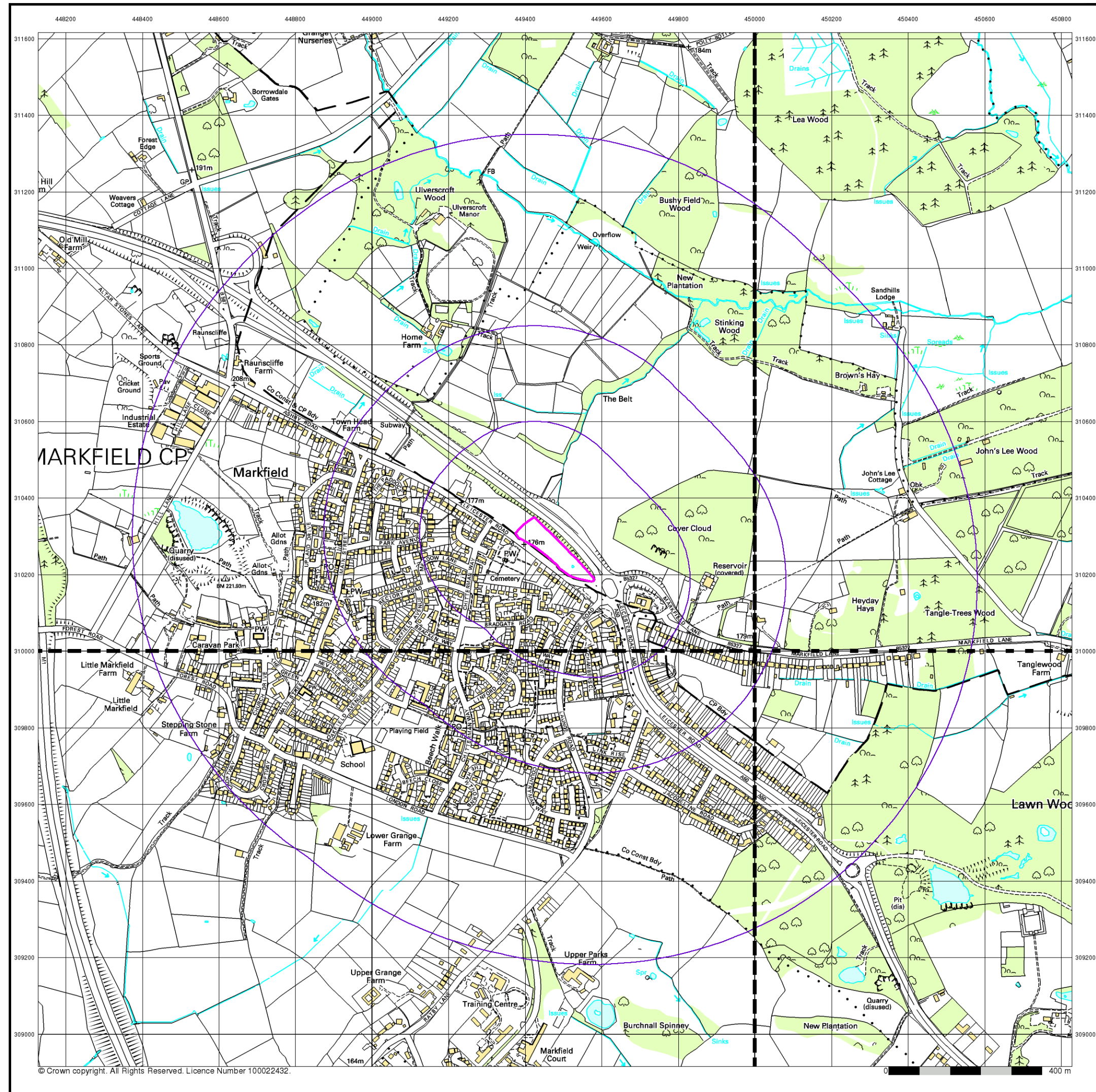
Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 1000

Site Details

138, Leicester Road, MARKFIELD, LE67 9RE

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10k Raster Mapping

Published 2000

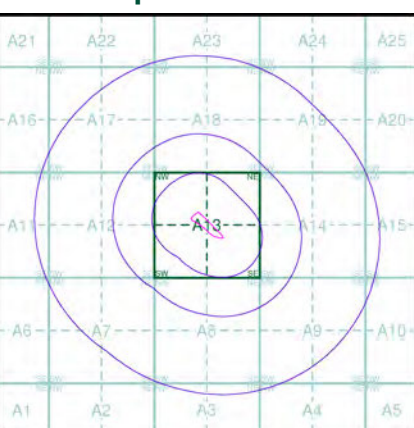
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SK41SE	SK51SW
2000	2000
1:10,000	1:10,000
SK40NE	SK50NW
2000	2000
1:10,000	1:10,000

Historical Map - Slice A



Order Details

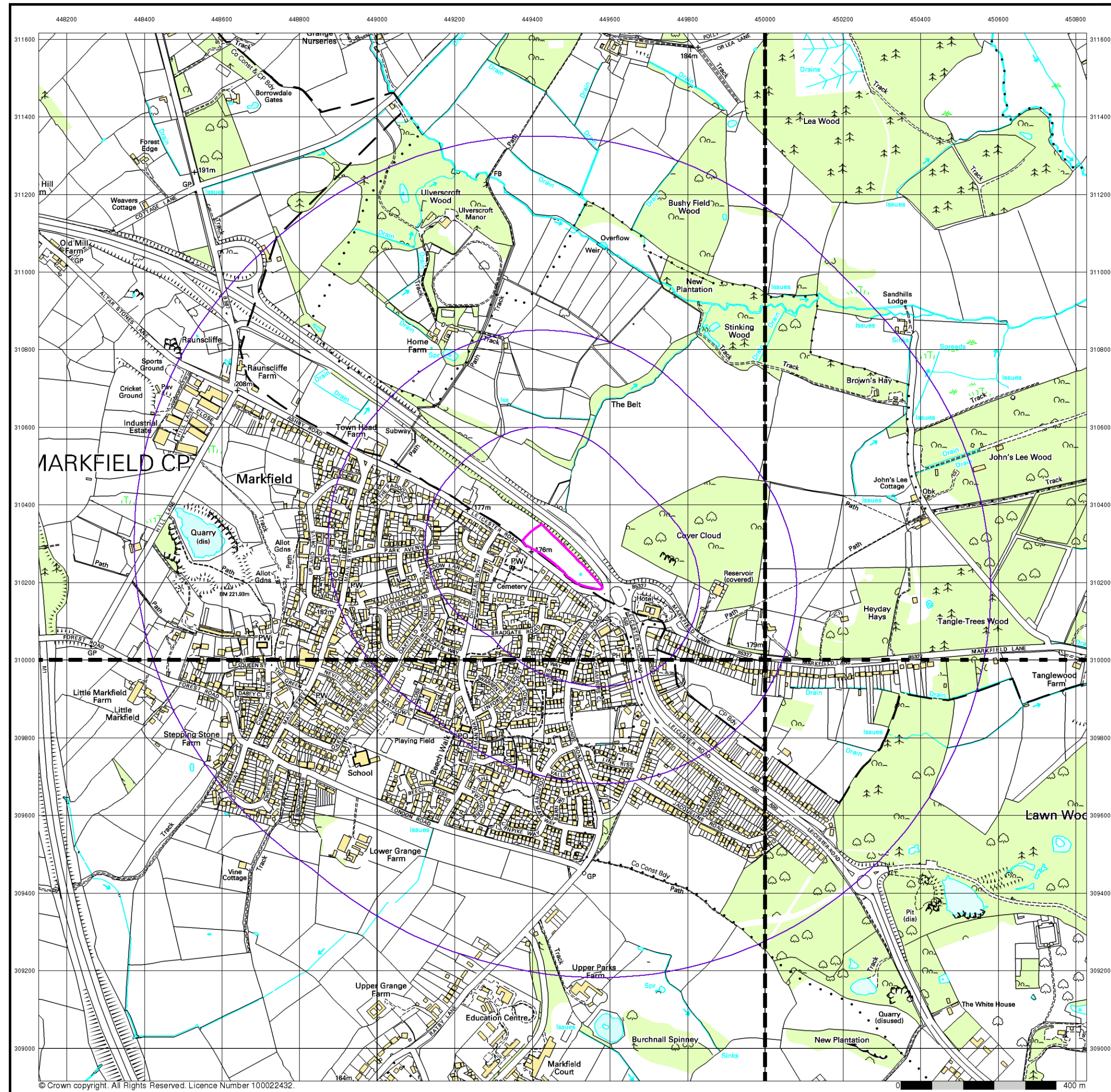
Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 1000

Site Details

138, Leicester Road, MARKFIELD, LE67 9RE



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ROBERTS
ENVIRONMENTAL LTD

10k Raster Mapping

Published 2006

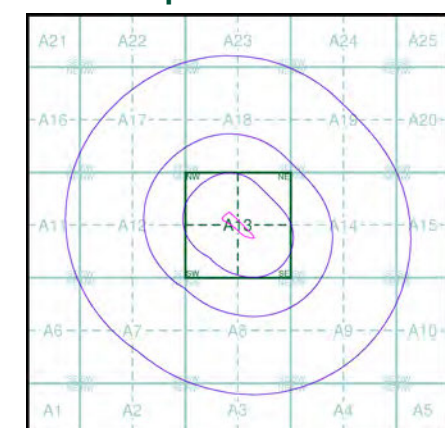
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SK41SE	SK51SW
2006	2006
1:10,000	1:10,000
SK40NE	SK50NW
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

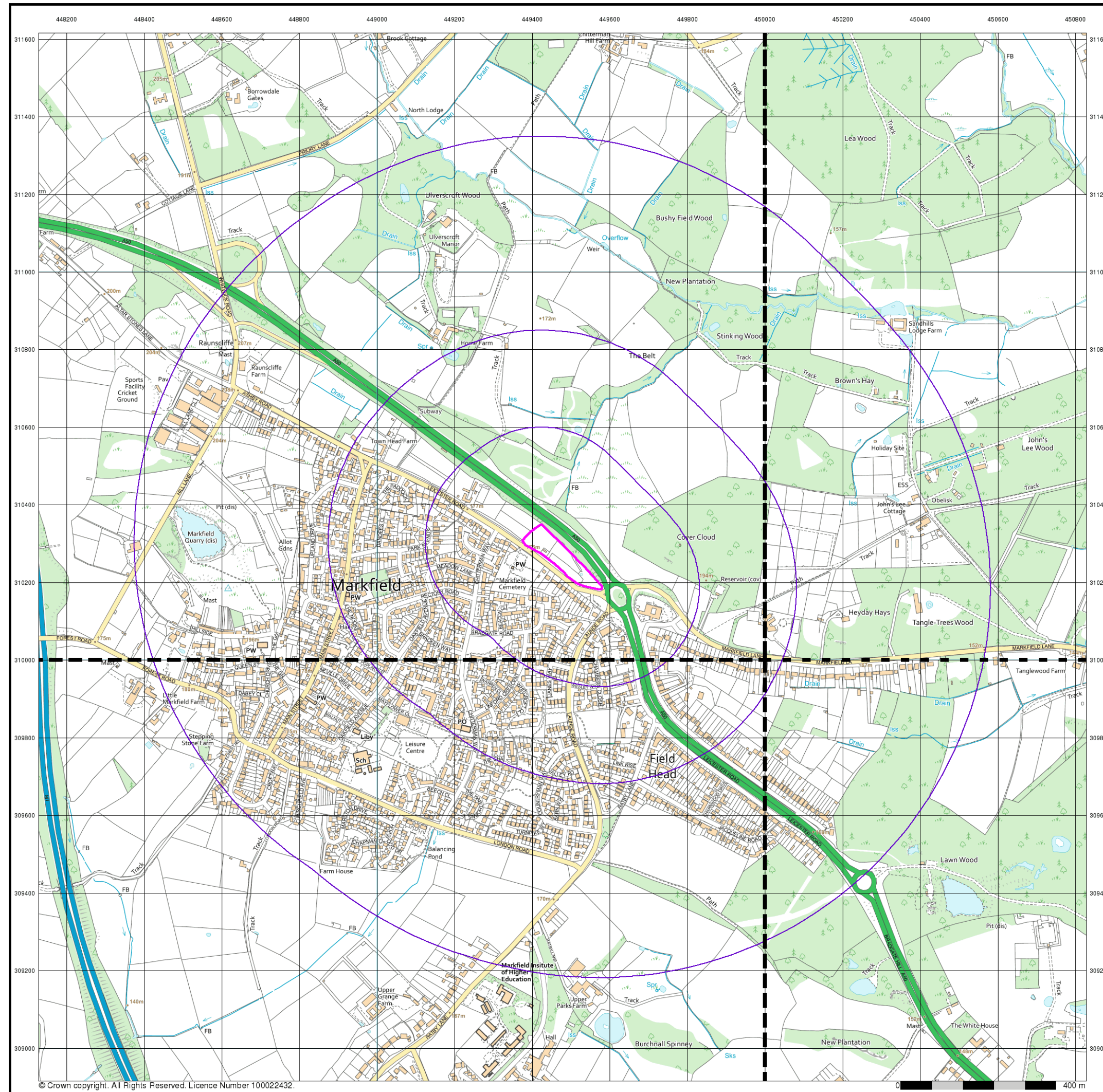
Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 1000

Site Details

138, Leicester Road, MARKFIELD, LE67 9RE



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ROBERTS
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VectorMap Local

Published 2022

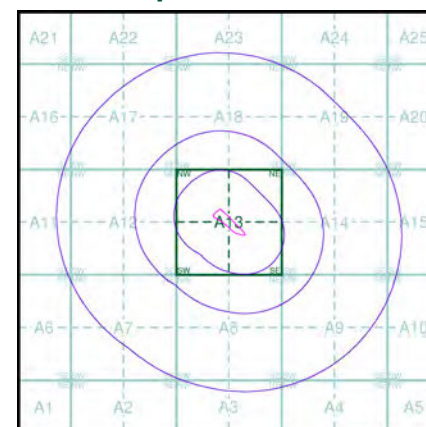
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SK41SE	SK51SW
2022	2022
Variable	Variable
SK40NE	SK50NW
2022	2022
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 310387937_1_1
Customer Ref: 230422
National Grid Reference: 449480, 310260
Slice: A
Site Area (Ha): 1.1
Search Buffer (m): 1000

Site Details

138, Leicester Road, MARKFIELD, LE67 9RE



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

310387937_1_1

Customer Reference:

230422

National Grid Reference:

449480, 310260

Slice:

A

Site Area (Ha):

1.1

Search Buffer (m):

1000

Site Details:

138, Leicester Road

MARKFIELD

LE67 9RE

Client Details:

Mr J Roberts

Roberts Environmental Ltd

1 Croft Stairs

Newcastle Upon Tyne

NE1 2HG

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	16
Hazardous Substances	-
Geological	18
Industrial Land Use	25
Sensitive Land Use	33
Data Currency	34
Data Suppliers	41
Useful Contacts	42

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 2			1	1
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2	Yes			
Pollution Incidents to Controlled Waters	pg 2			1	10
Prosecutions Relating to Authorised Processes	pg 4				1
Registered Radioactive Substances					
River Quality	pg 4				1
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions	pg 5				2 (*5)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 7		2	7	65

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 16			1	3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 16				1
Local Authority Landfill Coverage	pg 17	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 17			1	3
Potentially Infilled Land (Non-Water)	pg 17				1
Potentially Infilled Land (Water)	pg 17		2		1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 22				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 22		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 23	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 23	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 24	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 24	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 25		5	9	47
Fuel Station Entries					
Points of Interest - Commercial Services	pg 30		3	1	11
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 31				6
Points of Interest - Public Infrastructure	pg 31		2		2
Points of Interest - Recreational and Environmental	pg 32				3
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 33		1		6
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 33	2			1
Ramsar Sites					
Sites of Special Scientific Interest	pg 33				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	69	1	449600 310300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	238	1	449250 310100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	251	1	449479 310600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	269	1	449200 310100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	274	1	449400 309950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	281	1	449250 310050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	283	1	449479 309900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	288	1	449300 310000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	317	1	449100 310150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	323	1	449250 310000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	340	1	449650 309850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	342	1	449050 310200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	379	1	449000 310250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	419	1	450000 310250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	425	1	448950 310260
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	446	1	449700 310700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	475	1	448900 310260
1	Discharge Consents Operator: G B Chrick Property Type: Not Given Location: The Trent Plant, Markfield Service Station, Ashby Road, MARKFIELD , Leicestershire Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: 3/28/57/0856/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 26th March 1968 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Groundwater Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	869	2	448600 310700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Integrated Pollution Prevention And Control Name: Waste Recycling Group Ltd Location: Leicester Road, Field Head, Leicester, Le67 9rh Authority: Environment Agency, Midlands Region Permit Reference: Bw0509 Original Permit Ref: Bw0509iu Effective Date: Not Supplied Status: Valid Application Type: Not Supplied App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Not Supplied	A8NE (SE)	378	2	449742 309842
3	Integrated Pollution Prevention And Control Name: Waste Recycling Limited Location: Bradgate Landfill Epr/Bw0509iu, Leicester Road, Field Head,,, LEICESTER, LE67 9RH Authority: Environment Agency, Midlands Region Permit Reference: Bw0509iu Original Permit Ref: Bw0509iu Effective Date: 30th September 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A9SE (SE)	984	2	450236 309451
4	Local Authority Pollution Prevention and Controls Name: Moruplast Ltd Location: Mill Lane, Markfield, Le67 Authority: Hinckley And Bosworth Borough Council, Environmental Health Department Permit Reference: Epa12 Dated: 25th March 1992 Process Type: Local Authority Air Pollution Control Description: PG2/7 Zinc and zinc alloy processes Status: Application exempt from APC Positional Accuracy: Manually positioned to the road within the address or location	A17SW (W)	836	3	448597 310615
5	Local Authority Pollution Prevention and Controls Name: Birch Bedrooms Location: Unit 14 Mill Lane Close Ind Est, Markfield, Le6 Authority: Hinckley And Bosworth Borough Council, Environmental Health Department Permit Reference: Epa26 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Application Withdrawn Positional Accuracy: Manually positioned to the address or location	A17SW (W)	947	3	448480 310618
	Nearest Surface Water Feature	A13SE (SE)	0	-	449525 310223
6	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Lawn Wood Road Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Oil Disc To Wc; Amenity Affected Incident Date: 8th January 1996 Incident Reference: 2800103 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	389	2	449500 309800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: POTTERS MARSTON, Leicestershire Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: 2 Jet Fire.; No Adverse Effects Incident Date: 9th July 1997 Incident Reference: 2802907 Catchment Area: Trent Catchment : Upper Soar To Confluence With Sence Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A8NE (S)	566	2	449700 309630
8	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Surface Water Outfall Location: Surface Water Sewer, 301 Leics Road, MARKFIELD Authority: Environment Agency, Midlands Region Pollutant: Unknown Sewage Note: Amenity Affected; Grey Incident Date: 19th August 1996 Incident Reference: 2801200 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	569	2	450001 309801
9	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: 301 Leicester Road, Fieldhead, LEICESTER, Leicestershire Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: Side Of Property; Soapy Discharge In Brook; Amenity Affected Incident Date: 10th March 1996 Incident Reference: 2000369 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	641	2	450001 309701
9	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Surface Water Outfall Location: 301 Leicester Road, MARKFIELD Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: Public Health Risk; Amenity Affected; Discharge To Watercourse Incident Date: 2nd September 1996 Incident Reference: 2801259 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	645	2	450001 309696
10	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: 301 Leicester Road, Field Head, MARKFIELD Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: Ditch At Side Of House Contaminated; Amenity Affected Incident Date: 22nd August 1995 Incident Reference: 1800126 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	719	2	450001 309601
10	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: 301 Leicester Road, Fieldhead, MARKFIELD Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: Soapsuds In Stream; Amenity Affected Incident Date: 15th March 1996 Incident Reference: 2000392 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	750	2	450050 309600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Pollution Incidents to Controlled Waters Property Type: Road (Road Traffic Accident) Location: Launde Road, MARKFIELD Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Oil In Small Watercourse; Amenity Effected Incident Date: 12th May 1997 Incident Reference: 2802622 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	754	2	450050 309595
11	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: 301 Leicester Road, MARKFIELD Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: Washing Machine Waste To W/C; Amenity Affected Incident Date: 2nd April 1996 Incident Reference: 2800996 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	745	2	450100 309650
11	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Other Location: 301 Leicester Road, Fieldhead Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: Amenity Affected; Soapy Water - Watercourse Incident Date: 16th December 1996 Incident Reference: 2801723 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	749	2	450100 309645
11	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: 301 Leicester Road, Fieldhead, LEICESTER, Leicestershire Authority: Environment Agency, Midlands Region Pollutant: Other Sewage Note: White Disch Into W/C; Amenity Affected Incident Date: 26th January 1996 Incident Reference: 2800174 Catchment Area: Trent Catchment : Rothley Brook Receiving Water: Watercourse Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	782	2	450100 309600
12	Prosecutions Relating to Authorised Processes Location: Ashby Road, Markfield, Leicestershire, LE Prosecution Text: Ea News Release, 06/09/00, Burying Bonded Asbestos Roofing On Land At Ashby Road, Member Of Public Observed An Employee Of Mr Gilliver On The 5/03/99 Burying The Waste. Prosecution Act: Ea90 S33 Hearing Date: 29th August 2000 Verdict: Guilty Fine: 5000 Costs: 1266 Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	832	2	448638 310693
	River Quality Name: Bradgate Bk GQA Grade: River Quality A Reach: B591 Ulverscroft To Swithland Res. Estimated Distance (km): 11.8 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18SW (N)	548	2	449431 310898

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Water Abstractions Operator: Mr D F Thorpe Licence Number: 03/28/57/0009 Permit Version: 100 Location: Chitterman Hill Farm Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Chitterman Hill Farm Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	616	2	449700 310900
14	Water Abstractions Operator: Tarmac Quarry Products Ltd Licence Number: 03/28/56/00101 Permit Version: Not Supplied Location: Cliffe Hill Quarry Authority: Environment Agency, Midlands Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 546 Yearly Rate (m3): 85101 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NW (W)	845	2	448530 310320
	Water Abstractions Operator: The Trustees For Shuttlewood Clarke Foundation Licence Number: 03/28/57/0152 Permit Version: 1 Location: Ulverscroft Grange Borehole Authority: Environment Agency, Midlands Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ulverscroft Grange, Ulverscroft, Markfield, Leics Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th July 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1514	2	448740 311700
	Water Abstractions Operator: Mr N Moore Licence Number: 03/28/57/00381 Permit Version: Not Supplied Location: Ulverscroft Grange Farm Authority: Environment Agency, Midlands Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 498 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NE (NW)	1514	2	448850 311750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Belvoir Bacon Co Ltd Licence Number: 03/28/57/0049 Permit Version: 100 Location: Mantle Lane Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mantle Lane Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1752	2	449500 312100
	Water Abstractions Operator: Groby Lodge Estate Limited Licence Number: 03/28/56/0019/G Permit Version: 100 Location: Groby Lodge Farm - Well (1) Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Groby Lodge Farm - 3 Wells Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 9th September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1995	2	449800 308200
	Water Abstractions Operator: Groby Lodge Estate Limited Licence Number: 03/28/56/0019/G Permit Version: 100 Location: Groby Lodge Farm - Well (1) Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Groby Lodge Farm - 3 Wells Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 9th September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1995	2	449800 308200
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (E)	0	4	449479 310260
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A13SE (E)	0	4	449479 310260
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (E)	0	4	449479 310260
	Extreme Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 258.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (N)	66	5	449486 310381
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (N)	242	5	449498 310581
17	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (N)	256	5	449514 310589
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (N)	277	5	449495 310623
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 430.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (N)	303	5	449560 310620
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A18SE (N)	378	5	449570 310698
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A18SE (N)	394	5	449587 310708
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NE (S)	399	5	449568 309782

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A18SE (NE)	473	5	449696 310737
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	533	5	448959 310641
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	533	5	448959 310641
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	533	5	448959 310641
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	534	5	448958 310642
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 219.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	535	5	449021 310712
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 234.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SW (SE)	548	5	450065 309930
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 332.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	559	5	449135 310828
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	638	5	448959 310795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	674	5	448868 310751
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (NE)	686	5	449794 310928
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SW (NE)	687	5	449842 310894
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 290.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NE (E)	691	5	450232 310417
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SW (NE)	691	5	449850 310893
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SW (NE)	692	5	449984 310768
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	699	5	449690 310996
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	699	5	449690 310996
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SW (NE)	718	5	449865 310915

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9NE (SE)	725	5	450187 309788
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SW (SW)	729	5	449145 309570
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SW (SW)	743	5	449141 309556
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SE (SW)	743	5	449139 309558
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	754	5	449510 311098
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	760	5	449690 311061
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	761	5	449518 311104
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9NE (E)	764	5	450299 309925
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 377.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	767	5	449507 311112

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	767	5	449507 311112
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	772	5	449510 311117
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	780	5	449104 311061
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 161.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9NE (E)	782	5	450316 309921
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	786	5	449095 311063
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	787	5	449096 311065
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 161.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	788	5	449092 311065
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A18NE (N)	795	5	449660 311108
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 212.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	797	5	449661 311110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SE (SW)	800	5	449124 309500
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SE (SW)	803	5	449123 309497
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SE (SW)	805	5	449120 309497
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 557.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SE (SW)	806	5	449123 309495
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 407.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9NE (SE)	823	5	450313 309811
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	827	5	449101 311111
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SW (NE)	829	5	450005 310941
66	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	831	5	449105 311116
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 214.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	837	5	449112 311126

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	843	5	449546 311183
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	844	5	449542 311185
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	849	5	449532 311192
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 130.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NE (N)	849	5	449532 311192
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NE (E)	861	5	450390 310481
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SW (NE)	862	5	450085 310909
74	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SW (NW)	878	5	448625 310764
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	880	5	449470 311228
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	882	5	449466 311230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NE (E)	885	5	450413 310489
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NE (E)	889	5	450412 310499
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (NE)	907	5	450368 310637
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A19SE (NE)	907	5	450368 310637
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (E)	910	5	450379 310622
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19NW (NE)	921	5	450135 310941
83	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SE (S)	931	5	449683 309257
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 369.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SE (S)	933	5	449690 309257
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	937	5	449205 311261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 246.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9NE (E)	940	5	450475 309900
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (NE)	975	5	450269 310882
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A23SE (N)	976	5	449571 311314

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Historical Landfill Sites Licence Holder: Not Supplied Location: 173 Main Street, Markfield, Leicestershire Name: Main Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23245 First Input Date: Not Supplied Last Input Date: 31st December 1951 Specified Waste: Deposited Waste included Unknown Material Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2400/1235 BGS Ref: Not Supplied Other Ref: GDO 214, 99	A12NE (W)	441	2	448949 310422
90	Historical Landfill Sites Licence Holder: Not Supplied Location: Hill Lane, Markfield, Leicestershire Name: Hill Lane Refuse Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23281 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert, Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2400/1234 BGS Ref: Not Supplied Other Ref: 96, GDO 213	A12NW (W)	796	2	448601 310496
91	Historical Landfill Sites Licence Holder: Not Supplied Location: Hill Lane, Markfield, Leicestershire Name: Adjacent to Industrial Estate Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23282 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2400/1257 BGS Ref: Not Supplied Other Ref: GDO 288	A12NW (W)	866	2	448537 310527
92	Historical Landfill Sites Licence Holder: Not Supplied Location: Hill Lane, Markfield, Leicestershire Name: Opposite Disused Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23285 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2400/1256 BGS Ref: Not Supplied Other Ref: GDO 287	A12NW (W)	906	2	448476 310422
93	Licensed Waste Management Facilities (Locations) Licence Number: 406234 Location: 23 Hill Lane Close, Markfield, Leicestershire, LE67 9PY Operator Name: Leicester Catalytic Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, East Area Site Category: Special Waste Transfer Stations Licence Status: Issued Issued: 19th November 2019 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (W)	941	2	448504 310663

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Leicestershire County Council - Has supplied landfill data		0	7	449479 310260
	Local Authority Landfill Coverage Name: Charnwood Borough Council - Has no landfill data to supply		0	6	449479 310260
	Local Authority Landfill Coverage Name: Hinckley And Bosworth Borough Council - Has no landfill data to supply		2	3	449461 310235
94	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 214 Authority: Leicestershire County Council Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Unknown Boundary Quality: Not Applicable	A12NE (W)	481	7	448900 310385
95	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 213 Authority: Leicestershire County Council Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NW (W)	797	7	448600 310495
96	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 288 Authority: Leicestershire County Council Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NW (W)	864	7	448542 310540
97	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 287 Authority: Leicestershire County Council Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NW (W)	904	7	448478 310421
98	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A12NW (W)	893	-	448479 310276
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13SW (W)	153	-	449261 310206
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13SW (SW)	207	-	449262 310129
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8NW (SW)	550	-	449207 309742

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SE (E)	0	1	449479 310260
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SE (E)	0	1	449479 310260
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	92	1	449671 310217
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	193	1	449287 310130
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	202	1	449742 310309
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	227	1	449807 310197
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	244	1	449549 310561

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	420	1	450000 310159
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	459	1	450000 310000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	473	1	449608 310785
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	495	1	449493 309685
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	595	1	450169 310095
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	596	1	450169 310095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	599	1	450162 310043
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	637	1	450190 310000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	682	1	450043 310695
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (NE)	691	1	450165 310555
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	805	1	449029 311051
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	806	1	450000 309496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	816	1	449904 311009
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	816	1	448694 310758
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	821	1	448667 310723
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	889	1	449223 311215
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	907	1	450281 309609
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NE (NE)	971	1	450188 310959

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A17NE (NW)	989	1	448837 311147
102	BGS Recorded Mineral Sites Site Name: Markfield Quarry Location: Markfield, Leicestershire Source: British Geological Survey, National Geoscience Information Service Reference: 6506 Type: Opencast Status: Ceased Operator: Tarmac Roadstone (Southern Ltd.) Operator Location: Not Supplied Periodic Type: Neoproterozoic 3 (Late Precambrian) Geology: South Charnwood Diorites Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A12NW (W)	822	1	448553 310300
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	182	1	449479 310000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	198	1	449268 310135
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	247	1	449533 310572
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	182	1	449479 310000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	198	1	449268 310135
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	247	1	449533 310572
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	182	1	449479 310000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	31	1	449413 310379
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	69	1	449575 310297
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	109	1	449692 310207
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	116	1	449465 310464
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	182	1	449479 310000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	31	1	449413 310379
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	109	1	449692 310207
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	182	1	449479 310000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	198	1	449268 310135
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	247	1	449533 310572
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	31	1	449413 310379
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	75	1	449625 310294
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	109	1	449692 310207
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	182	1	449479 310000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	198	1	449268 310135
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	247	1	449533 310572
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	449450 310325
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	449450 310325
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	449479 310260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: Mayprint Ltd Location: 56, Leicester Road, MARKFIELD, Leicestershire, LE67 9RE Classification: Copying & Duplicating Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	125	-	449256 310346
104	Contemporary Trade Directory Entries Name: A-Z Mobile Mechanic Services Location: 5, Chambers Close, Markfield, Leicestershire, LE67 9NB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	166	-	449545 310019
104	Contemporary Trade Directory Entries Name: Tony'S Mobile Mechanics Location: 5, Chambers Close, Markfield, Leicestershire, LE67 9NB Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	166	-	449545 310019
105	Contemporary Trade Directory Entries Name: Wooden Floor Restorations Location: 313, Markfield Lane, Markfield, Leicestershire, LE67 9PR Classification: French Polishing Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	213	-	449749 310055
106	Contemporary Trade Directory Entries Name: Energy By Nature Uk Ltd Location: 85, Rectory Road, Markfield, LE67 9WN Classification: Under Floor Heating Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	217	-	449190 310195
107	Contemporary Trade Directory Entries Name: Cornerstone Print & Packaging Ltd Location: 12, Wesley Way, Markfield, Leicestershire, LE67 9NA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	271	-	449546 309913
108	Contemporary Trade Directory Entries Name: Golhar Motors Location: 212 Leicester Rd, Markfield, Leicestershire, LE67 9RF Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	278	-	449634 309910
109	Contemporary Trade Directory Entries Name: Katexim Europe Ltd Location: 11, The Paddock, Markfield, LE67 9RR Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	369	-	449018 310403
110	Contemporary Trade Directory Entries Name: Clean Carpet Location: 273, Markfield Lane, Markfield, Leicestershire, LE67 9PR Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	411	-	449937 309982
111	Contemporary Trade Directory Entries Name: Lift & Engineering Services Ltd Location: 232, Leicester Road, Markfield, Leicestershire, LE67 9RG Classification: Stairlifts - Manufacturers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	417	-	449722 309791
111	Contemporary Trade Directory Entries Name: Now Shoes Ltd Location: 232, Leicester Road, Markfield, Leicestershire, LE67 9RG Classification: Footwear Manufacturers & Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	417	-	449722 309791
112	Contemporary Trade Directory Entries Name: Fox Transfers Location: 138, Main Street, Markfield, Leicestershire, LE67 9UX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	435	-	448943 310253

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Contemporary Trade Directory Entries Name: The Alacratat Ltd Location: 196, Main Street, Markfield, Leicestershire, LE67 9UX Classification: Scientific Apparatus & Instruments - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	447	-	448973 310503
114	Contemporary Trade Directory Entries Name: Paperworks Location: 1, Valley Road, Markfield, Leicestershire, LE67 9QS Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	472	-	449490 309718
115	Contemporary Trade Directory Entries Name: Easi Europe (Uk) Ltd Location: 4, The Crofts, Main Street, Markfield, Leicestershire, LE67 9UW Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	505	-	448876 310385
116	Contemporary Trade Directory Entries Name: Varipack (Midlands) Location: Main St, Markfield, Leicestershire, LE67 9UT Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	514	-	448898 310116
116	Contemporary Trade Directory Entries Name: Bown'S Homeware Location: 100, Main Street, Markfield, Leicestershire, LE67 9UU Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	523	-	448899 310090
117	Contemporary Trade Directory Entries Name: A J F Textile Services Location: 38, Ratby Lane, Markfield, LE67 9RJ Classification: Knitting Machine - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	521	-	449620 309663
118	Contemporary Trade Directory Entries Name: E Winter Location: 3, Poplar Avenue, Markfield, Leicestershire, LE67 9WP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	524	-	448981 309962
119	Contemporary Trade Directory Entries Name: The Oven Superhero Location: 8, Beech Walk, MARKFIELD, Leicestershire, LE67 9RS Classification: Oven cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	561	-	449187 309743
120	Contemporary Trade Directory Entries Name: K Burdett Location: 15, The Hawthorns, Markfield, Leicestershire, LE67 9SS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	617	-	449292 309622
121	Contemporary Trade Directory Entries Name: F C C Ltd Location: Bradgate Landfill, Leicester Road, Markfield, Leicestershire, LE67 9RH Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	640	-	449998 309699
122	Contemporary Trade Directory Entries Name: S J S-The Professional Carpet Cleaner Location: 307, Leicester Road, Markfield, LE67 9RH Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	754	-	450092 309631
123	Contemporary Trade Directory Entries Name: Biomagic.Co.Uk Location: 5, Dabey Close, Markfield, Leicestershire, LE67 9UJ Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	824	-	448643 309930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	Contemporary Trade Directory Entries Name: J Hill Location: Ashby Road, Markfield, Leicestershire, LE67 9UD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	855	-	448647 310755
125	Contemporary Trade Directory Entries Name: N S A Electrical Ltd Location: Unit 9b, Hill Lane Close, Markfield, LE67 9PY Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	864	-	448553 310575
125	Contemporary Trade Directory Entries Name: Altiss Engineering Location: Unit 1, Hill Lane Close, Markfield, LE67 9PY Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	867	-	448558 310598
125	Contemporary Trade Directory Entries Name: Mcveigh Technical Solutions Ltd Location: 9, HILL LANE CLOSE, MARKFIELD, LE67 9PN Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	868	-	448550 310578
125	Contemporary Trade Directory Entries Name: Vickers Sporting Services Location: Unit 9A, Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Gunsmiths Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	874	-	448544 310580
125	Contemporary Trade Directory Entries Name: Fowell Location: Unit 2, Hill La Cl, Markfield, Leicestershire, LE67 9PY Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (W)	876	-	448551 310605
125	Contemporary Trade Directory Entries Name: Orbital Location: Unit 10B, Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	884	-	448523 310542
125	Contemporary Trade Directory Entries Name: Tyrefix Location: Unit 3, Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	887	-	448539 310607
125	Contemporary Trade Directory Entries Name: Tyrefix Location: Unit 3, Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Tyre Repairs & Retreading Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	887	-	448539 310607
125	Contemporary Trade Directory Entries Name: Ringway Refrigeration Location: 16, Hill La Ind Est, Markfield, Leicestershire, LE67 9PN Classification: Catering Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	888	-	448532 310587
125	Contemporary Trade Directory Entries Name: Football America Uk Location: Unit 8, Hill Lane Industrial Estate, Markfield, Leicestershire, LE67 9PN Classification: Sports Equipment Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	888	-	448532 310587
125	Contemporary Trade Directory Entries Name: Ringway Refrigeration Location: Unit 16, Hill La Ind Est, Markfield, Leicestershire, LE67 9PN Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	888	-	448532 310587

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Contemporary Trade Directory Entries Name: M P Steel Services Ltd Location: Unit 4, Hill Lane Industrial Estate, Markfield, Leicestershire, LE67 9PN Classification: Stainless Steel Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	898	-	448530 310613
125	Contemporary Trade Directory Entries Name: Coolmation Service Ltd Location: Unit 5, Hill Lane Industrial Estate, Markfield, LE67 9PN Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	903	-	448525 310614
125	Contemporary Trade Directory Entries Name: Lawmac Fencing Location: Unit 5, Hill Lane Industrial Estate, Markfield, LE67 9PN Classification: Fencing Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	903	-	448525 310614
126	Contemporary Trade Directory Entries Name: Moruplast Ltd Location: Hill Lane Industrial Estate, Markfield, Leicestershire, LE67 9PN Classification: Mould Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	865	-	448594 310679
126	Contemporary Trade Directory Entries Name: T E K Test Station Ltd Location: 36, HILL LANE CLOSE, MARKFIELD, LE67 9PY Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	874	-	448573 310656
127	Contemporary Trade Directory Entries Name: Truststyle Location: Hill La Cl, Markfield, Leicestershire, LE67 9PY Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SW (W)	883	-	448553 310630
128	Contemporary Trade Directory Entries Name: Bailey'S Floor Care Location: Unit 34, Hill Lane Close, MARKFIELD, Leicestershire, LE67 9PY Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	892	-	448557 310664
128	Contemporary Trade Directory Entries Name: Advanced P C Location: 34 Hill La Cl, Markfield, Leicestershire, LE67 9PY Classification: Printed Circuit Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	892	-	448557 310664
128	Contemporary Trade Directory Entries Name: Maxxwave Ltd Location: Maxxwave House Unit, 32, Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Radio Communication Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	901	-	448551 310672
128	Contemporary Trade Directory Entries Name: Alvaston Press Ltd Location: HILL LANE CLOSE, MARKFIELD, LE67 9PY Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	930	-	448528 310693
128	Contemporary Trade Directory Entries Name: P M L Print Location: 29, HILL LANE CLOSE, MARKFIELD, LE67 9PY Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	930	-	448528 310693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Contemporary Trade Directory Entries Name: Admiral Cleaning Supplies Ltd Location: Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	933	-	448525 310694
128	Contemporary Trade Directory Entries Name: Presscut Components Location: Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	933	-	448525 310694
128	Contemporary Trade Directory Entries Name: Johnsons Vending Services Ltd Location: Unit 26, Hill Lane Close, Markfield, LE67 9PY Classification: Vending Machine Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	953	-	448507 310700
128	Contemporary Trade Directory Entries Name: Automotive (2000) Location: Hill La Ind Est, Markfield, Leicestershire, LE67 9PN Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	953	-	448506 310700
129	Contemporary Trade Directory Entries Name: M C T Air Conditioning Services Location: Unit 20 Hill Lane Industrial Estate, Markfield, Leicestershire, LE67 9PN Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	927	-	448510 310642
129	Contemporary Trade Directory Entries Name: Truck Hydraulic Services Location: Unit 20, Hill La Ind Est, Markfield, Leicestershire, LE67 9PN Classification: Hydraulic Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (W)	928	-	448509 310642
129	Contemporary Trade Directory Entries Name: Briton Supplies Location: Unit 19, Hill Lane Industrial Estate, Markfield, Leicestershire, LE67 9PN Classification: Gaskets Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	934	-	448504 310645
129	Contemporary Trade Directory Entries Name: Ichiban Location: 24 Hill Lane Close, Markfield, Leicestershire, LE67 9PY Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	947	-	448497 310662
129	Contemporary Trade Directory Entries Name: Waste Line Services Location: Unit 7b, Hill Lane Industrial Estate, Markfield, Leicestershire, LE67 9PN Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	948	-	448490 310650
129	Contemporary Trade Directory Entries Name: Easystep Stairlifts Ltd Location: 14, Hill Lane Close, MARKFIELD, Leicestershire, LE67 9PY Classification: Stairlifts - Manufacturers & Installers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	950	-	448477 310620
129	Contemporary Trade Directory Entries Name: Easystep Stairlifts Ltd Location: Unit 14, Hill La Ind Est, Markfield, Leicestershire, LE67 9PN Classification: Stairlifts - Manufacturers & Installers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (W)	951	-	448476 310619
129	Contemporary Trade Directory Entries Name: D A Colledge Motor Engineers Location: Unit 13, Hill Lane Industrial Estate, Markfield, LE67 9PN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	960	-	448468 310624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Contemporary Trade Directory Entries Name: Elegance In Glass Ltd Location: Unit 13, Hill La Ind Est, Markfield, Leicestershire, LE67 9PN Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (W)	963	-	448466 310626
130	Contemporary Trade Directory Entries Name: Forest Engineering Location: 19, Forest Road, Markfield, Leicestershire, LE67 9UN Classification: Woodworking Machinery Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	931	-	448631 309749
131	Points of Interest - Commercial Services Name: A-Z Mobile Mechanic Services Location: 5 Chambers Close, Markfield, LE67 9NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (S)	166	8	449545 310019
131	Points of Interest - Commercial Services Name: Tony's Mobile Mechanics Location: 5 Chambers Close, Markfield, LE67 9NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (S)	166	8	449545 310019
131	Points of Interest - Commercial Services Name: Tonys Mobile Mechanics Services Location: 1 Chambers Close, Markfield, LE67 9NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (S)	214	8	449550 309970
132	Points of Interest - Commercial Services Name: J Bell & Son Ltd Location: 11 Linford Crescent, Markfield, LE67 9SP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (SW)	378	8	449288 309896
133	Points of Interest - Commercial Services Name: K Burdett Location: 15 The Hawthorns, Markfield, LE67 9SS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	617	8	449292 309622
133	Points of Interest - Commercial Services Name: Keith Burdett Location: 15 The Hawthorns, Markfield, LE67 9SS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	617	8	449292 309622
133	Points of Interest - Commercial Services Name: Piccasa Ltd Location: 16 The Hawthorns, Markfield, LE67 9SS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	634	8	449286 309607
134	Points of Interest - Commercial Services Name: J Hill Location: 1 Rauncliffe Cottages, Ashby Road, Markfield, LE67 9UD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SW (NW)	868	8	448615 310727
134	Points of Interest - Commercial Services Name: D A Colledge Location: 77 Ashby Road, Markfield, LE67 9UA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	895	8	448564 310686
134	Points of Interest - Commercial Services Name: Automotive 2000 Location: Hill Lane Industrial Estate, Markfield, LE67 9PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	953	8	448506 310700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	Points of Interest - Commercial Services Name: Kenray Forming Location: Unit 8a, Hill Lane Close, Markfield, LE67 9PY Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12NW (W)	874	8	448544 310580
135	Points of Interest - Commercial Services Name: T E K Test Station Ltd Location: 36 Hill Lane Close, Markfield, LE67 9PY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	874	8	448573 310656
135	Points of Interest - Commercial Services Name: Tyrefix Location: Unit 3, Hill Lane Close, Markfield, LE67 9PY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (W)	887	8	448539 310607
135	Points of Interest - Commercial Services Name: D A Colledge Motor Engineers Location: 13 Hill Lane Close, Markfield, LE67 9PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (W)	960	8	448468 310624
136	Points of Interest - Commercial Services Name: Hillside Haulage Ltd Location: Denbar Lodge, Hill Side, Markfield, LE67 9UP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SW (W)	880	8	448515 310120
137	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	641	8	448818 309990
138	Points of Interest - Manufacturing and Production Name: Markfield Quarry (Disused) Location: LE67 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A12SW (W)	807	8	448569 310259
138	Points of Interest - Manufacturing and Production Name: Markfield Quarry (Disused) Location: LE67 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	812	8	448563 310281
139	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: LE67 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	894	8	448519 310567
139	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: LE67 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	926	8	448475 310525
140	Points of Interest - Manufacturing and Production Name: Sheep Dip Location: LE67 Category: Farming Class Code: Sheep Dips and Washes Positional Accuracy: Positioned to address or location	A7SE (SW)	938	8	448887 309498
141	Points of Interest - Public Infrastructure Name: Markfield Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	94	8	449351 310207

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Points of Interest - Public Infrastructure Name: Cemetery Location: LE67 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	99	8	449351 310202
142	Points of Interest - Public Infrastructure Name: Weir Location: LE67 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	728	8	449575 311062
142	Points of Interest - Public Infrastructure Name: Weir Location: LE67 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	730	8	449569 311065
143	Points of Interest - Recreational and Environmental Name: Play Area Location: Mayflower Close, LE67 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NE (SW)	543	8	449109 309829
143	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	547	8	449101 309829
143	Points of Interest - Recreational and Environmental Name: Skatepark Location: LE67 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	578	8	449061 309817

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Ancient Woodland Name: Cover Cloud Reference: 1105062 Area(m²): 82260.22 Type: Ancient and Semi-Natural Woodland	A13NE (E)	106	9	449630 310293
145	Ancient Woodland Name: Bushy Field Wood Reference: 1105063 Area(m²): 83740.73 Type: Plantation on Ancient Woodland	A19SW (NE)	627	9	449895 310768
146	Ancient Woodland Name: Ulverscroft Wood Reference: 1105059 Area(m²): 101960.7 Type: Plantation on Ancient Woodland	A18NW (N)	715	9	449470 311063
147	Ancient Woodland Name: Bushy Field Wood Reference: 1105063 Area(m²): 58245.26 Type: Ancient and Semi-Natural Woodland	A19NW (NE)	765	9	449836 311000
148	Ancient Woodland Name: Lawn/Old Woods Reference: 1105178 Area(m²): 729414.57 Type: Ancient and Semi-Natural Woodland	A9NE (E)	810	9	450342 309911
149	Ancient Woodland Name: Johns Lee Wood Reference: 1105185 Area(m²): 68232.52 Type: Plantation on Ancient Woodland	A14NE (E)	851	9	450381 310475
150	Ancient Woodland Name: Johns Lee Wood Reference: 1105185 Area(m²): 48204.04 Type: Ancient and Semi-Natural Woodland	A14NE (E)	877	9	450376 310558
151	Nitrate Vulnerable Zones Name: Soar R Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (E)	0	4	449479 310260
152	Nitrate Vulnerable Zones Name: Cropston & Swithland Reservoirs Eutrophic Lake Nvz Description: Eutrophic Water Source: Environment Agency, Head Office	A13SE (E)	0	4	449479 310260
153	Nitrate Vulnerable Zones Name: Groby Pool Eutrophic Lake Nvz Description: Eutrophic Water Source: Environment Agency, Head Office	A8NE (S)	558	4	449639 309627
154	Sites of Special Scientific Interest Name: Ulverscroft Valley Multiple Areas: Y Total Area (m2): 1107519.74 Source: Natural England Reference: 1002060 Designation Details: Local Wildlife Site Designation Date: 1st January 1984 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 1st January 1984 Date Type: Notified	A14NE (E)	878	9	450368 310575

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North West Leicestershire District Council - Environmental Protection Department Blaby District Council - Environmental Health Department Charnwood Borough Council - Environmental Health Department Hinckley And Bosworth Borough Council - Environmental Health Department Leicester City Council - Environmental Health Department	June 2020 September 2014 September 2017 September 2017 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	January 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	
Integrated Pollution Controls Environment Agency - Midlands Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Blaby District Council - Environmental Health Department North West Leicestershire District Council - Environmental Health Department Hinckley And Bosworth Borough Council - Environmental Health Department Charnwood Borough Council - Environmental Health Department Leicester City Council - Environmental Health Department	December 2015 July 2014 June 2014 March 2015 September 2014	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Blaby District Council - Environmental Health Department North West Leicestershire District Council - Environmental Health Department Hinckley And Bosworth Borough Council - Environmental Health Department Charnwood Borough Council - Environmental Health Department Leicester City Council - Environmental Health Department	December 2015 July 2014 June 2014 March 2015 September 2014	Not Applicable Annual Rolling Update Annual Rolling Update Not Applicable Not Applicable
Local Authority Pollution Prevention and Control Enforcements Blaby District Council - Environmental Health Department North West Leicestershire District Council - Environmental Health Department Hinckley And Bosworth Borough Council - Environmental Health Department Charnwood Borough Council - Environmental Health Department Leicester City Council - Environmental Health Department	December 2015 July 2014 June 2014 March 2015 September 2014	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2023	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	
Registered Radioactive Substances Environment Agency - Midlands Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	January 2023 January 2023	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - Midlands Region	April 2023	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2023	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	March 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	January 2023 January 2023	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	January 2023 January 2023	Quarterly Quarterly
Local Authority Landfill Coverage Blaby District Council - Environmental Health Department Charnwood Borough Council - Environmental Health Department Hinckley And Bosworth Borough Council - Environmental Health Department Leicester City Council - Environment and Development Leicestershire County Council North West Leicestershire District Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Blaby District Council - Environmental Health Department Charnwood Borough Council - Environmental Health Department Hinckley And Bosworth Borough Council - Environmental Health Department Leicester City Council - Environment and Development Leicestershire County Council North West Leicestershire District Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Blaby District Council - Planning Department Charnwood Borough Council Hinckley And Bosworth Borough Council Leicester City Council - Environment and Development Leicestershire County Council North West Leicestershire District Council	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Blaby District Council - Planning Department Charnwood Borough Council Hinckley And Bosworth Borough Council Leicester City Council - Environment and Development Leicestershire County Council North West Leicestershire District Council	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2023	Quarterly
Points of Interest - Education and Health PointX	March 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2023	Quarterly
Points of Interest - Public Infrastructure PointX	March 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Blaby District Council - Planning Department Charnwood Borough Council Hinckley And Bosworth Borough Council Leicester City Council - Environment and Development North West Leicestershire District Council	July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Blaby District Council - Planning Department Charnwood Borough Council Hinckley And Bosworth Borough Council Leicester City Council - Environment and Development North West Leicestershire District Council	July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2023	Bi-Annually
Marine Nature Reserves Natural England	April 2023	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2023	Bi-Annually
Special Protection Areas Natural England	April 2023	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Hinckley And Bosworth Borough Council - Environmental Health Department First Floor, Florence House, St Marys Road, Hinckley, Leicestershire, LE10 1EQ	Telephone: 01455 238141 Fax: 01455 890228 Website: www.hinckley-bosworth.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Charnwood Borough Council - Environmental Health Department Macaulay House, 5 Cattle Market, Loughborough, Leicestershire, LE11 3DH	Telephone: 01509 634636 Fax: 01509 211703 Website: www.chnwoodbc.gov.uk
7	Leicestershire County Council County Hall, Glenfield, Leicestershire, LE3 8RH	Website: www.leics.gov.uk
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

APPENDIX II SUPPORTING INFORMATION



DRAWING STATUS

PRE APPLICATION

REV	DATE	DESCRIPTION

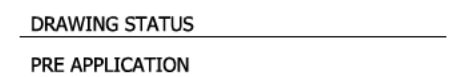


PROJECT:

PROPOSED 70 BED CARE HOME
LEICESTER RD, MARKFIELD

TITLE:

EXISTING SITE PLAN



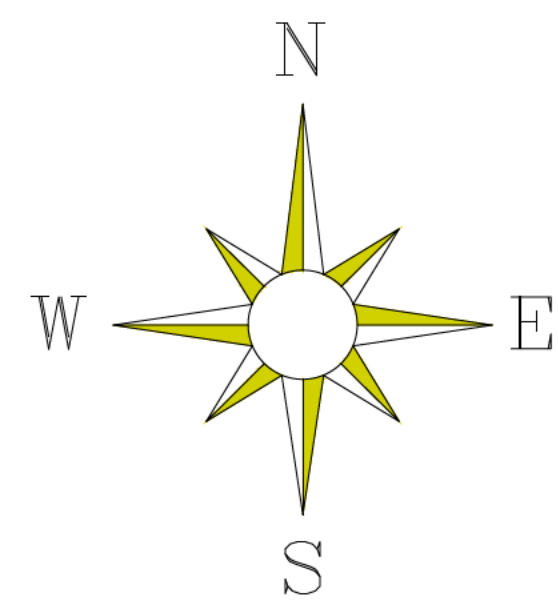
**Edmund Williams
Architects**

*Unit 6b Clapham North Art Centre
256-52 Volslane Road
London
SW4 6DH
T: 0208 672 6238
www.edmundwilliams.com*

SCALE: 750043 DRG. NO. 2153\PRE\003 REV: 

DATE: JUNE 22

AUTHOR: - FILE:

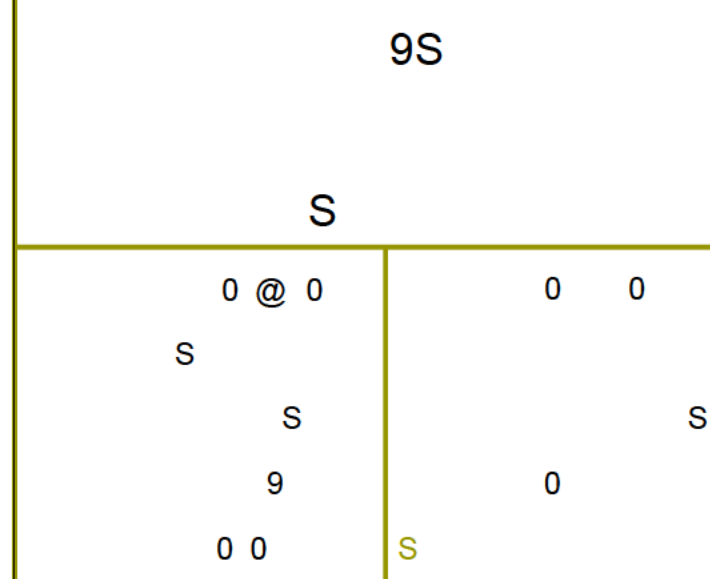
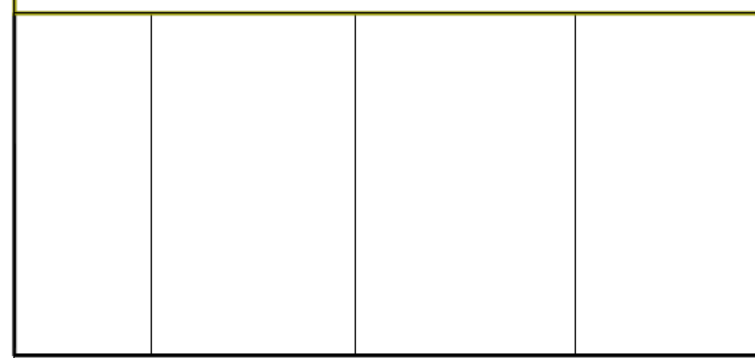


Av	Sw
Bp	TCL
BM	TL
Bol	Th
Bs	TCR
BT	TL
Bp	Th
CL	Tp
CB	Ty
CPS	Tw
CV	UL
Ex	WL
Er	Wp
Fr	Wp
Fa	Wp

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SK 41SE 64

Applied Geology			Project		Trial Pit	
Trial Pit Plan Bearing: Ground Levels: Co-ordinates:			Launde Way, Markfield		1 1 of 1	
			Client David Wilson Homes Ltd		Project No. 10810	
			Shoring: None		Date: 28.1.92	
			Stability: Stable		Plant: JCB 3CX	
			Water: Slight seepage at 0.90m		Logged by: CS	
			4956 1003			
Depth	Face A:	Face B:	Face C:	Depth		
0.40		(1)		0.40		
		(2)				
2.60				2.60		
3.10		(3)		3.10		
		Base of pit				
Sampling			Strata			
Sample Depth	Type	Strength (kN/m ²)	Ref. No.	Strata Depth	Description	
			(1)	0.00-0.40	Dark brown silty clay with occasional gravel TOPSOIL	
0.80	Hv	55-60	(2)	0.40-2.60	Firm brown mottled light grey silty CLAY with occasional fine to coarse rounded to subangular gravel GLACIAL CLAY	
0.80	J				At 1.10m tends to a red brown and brown colour, and by 1.50m is stiff, slightly fissured, with occasional to some fine to coarse rounded to angular gravel	
					Rare cobbles appear at 1.80m	
2.30	J		(3)	2.60-3.10	Firm dark red brown fissured very silty CLAY WEATHERED MERCIA MUDSTONE	
Remarks						

Symbols and abbreviations are explained on the accompanying key. All linear dimensions are in metres unless otherwise stated.

UNEXPLODED BOMB RISK MAP



SITE LOCATION

Map Centre: 449497,310248



LEGEND

-  **High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
-  **Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
-  **Low:** Areas indicated as having 15 bombs per 1000acre or less.

- | | | |
|--|--|--|
|  military |  industry |  UXO find |
|  transport |  dock |  Luftwaffe targets |
|  utilities |  Bombing decoy |  other |

How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

APPENDIX III DEFINITIONS AND RESERVATIONS

For the avoidance of doubt, Roberts Environmental has prepared the following alphabetical list of definitions and reservations to aid the client in understanding the content of our advice and or written reports(s):

Accuracy	Level of agreement between true value and observed value.
ACM's	Asbestos Containing Materials
Conceptual Exposure model	Textual and or schematic hypothesis of the nature and sources of contamination, potential migration pathways (including description of the ground and groundwater) and potential receptors, developed on the base of the information from the preliminary investigation and refined during subsequent phases of investigation and which is an essential part of the risk assessment process. Note 1: The conceptual exposure model is initially derived from the information obtained by the preliminary investigation. This conceptual model is used to focus subsequent investigations, where these are considered to be necessary, in order to meet the objectives of the investigations and the risk assessment. The results of the field investigation can provide additional data that can be used to further refine the conceptual model.
Contamination	Presence of a substance which is in, on or under land, and which has <u>the potential</u> to cause significant harm or to cause significant pollution of controlled water. Note 1: There is no assumption in this definition that harm results from the presence of the contamination. Note 2: Naturally enhanced concentrations of harmful substances can fall within this definition of contamination. Note 3: Contamination may relate to soils, groundwater or ground gas.
Controlled water	Inland freshwater (any lake, pond or watercourse above the freshwater limit), water contained in underground strata and any coastal water between the limit of highest tide or the freshwater line to the three mile limit of territorial waters. Note 1: See Section 104 of The Water Resources Act 1991.
Enquiries	Any enquiries undertaken by Roberts Environmental of local authorities and statutory undertakers are made verbally in respect of environmental issues. Local searches are not undertaken and no responsibility is accepted for any inaccurate information provided.
Harm	It is further assumed unless otherwise stated that all necessary licences, permits etc. either run with the property or are transferable to a new occupier as appropriate. Adverse effect on the health of living organisms, or other interference with ecological systems of which they form part, and, in the case humans, including property.
Hazard	Inherently dangerous quality of a substance, procedure or event.
Pathway	Mechanism or route by which a contaminant comes into contact with, or otherwise affects, a receptor.
Precision	Level of agreement within a series of measurements of a parameter.
Receptor	Persons, living organisms, ecological systems, controlled water, atmosphere, structures and utilities that could be adversely affected by the contaminant(s).
Risk	Probability of the occurrence, magnitude and consequences of an unwanted adverse effect on a receptor.
Risk assessment	Process of establishing, to the extent possible, the existence, nature and significance of risk.
Sampling	Methods and techniques used to obtain a representative sample of the material under investigation.
Soil	Upper layer of the earth's crust composed of mineral parts, organic substance, water, air and living matter. Note 1: In accordance with BS 10175:2001 the term soil has the meaning ascribed to it through general use in civil engineering and includes topsoil and subsoil; deposits such as clays, silt, sand, gravel, cobbles, boulders and organic deposits such as peat; and material of natural or human origin (e.g. fills and deposited wastes). The term embraces

all components of soil, including mineral matter, organic matter, soil gas and moisture, and living organisms.

Source Location from which contamination is, or was, derived.

Note 1: This could be the location of the highest soil or groundwater concentration of the contaminant(s).

Uncertainty Parameter, associated with the result of a measurement that characterizes the dispersion of the values that could reasonably be attributed to the measurement.

Risk Classification

In line with current UK guidance, the Environmental Assessment has been undertaken using a risk based approach, with the potential environmental risk assessed qualitatively using the 'source-pathway-receptor' scenario. In consideration of the information gathered an overall risk rating has been provided for the site based on the following definitions:

Low Risk

The site is considered suitable for present use and environmental setting. It is unlikely that any issues will arise as a liability/cost for the freehold owner of the site.

Medium Risk

The site may not be suitable for present use and environmental setting. Contaminants are probably or certainly present and are likely to have an unacceptable impact on the identified receptors. It is possible that the issue(s) could arise as a liability/cost for the freehold owner of the site. Further work is usually required to clarify the risk.

High Risk

The site is not suitable for present use and environmental setting. Contaminants are probably or certainly present and are very likely to have an unacceptable impact on the identified receptors. It is likely that the issue(s) will arise as a liability/cost for the freehold owner of the site. Further work is urgently needed.