

## Written Scheme of Investigation for Archaeological Evaluation

**Site:** Land off Hill Lane, Markfield, Leicestershire LE67 9UB

**NGR:** SK 48706 10548

**Client:** Glenalmond Developments Ltd

**Planning Authority:** Hinckley & Bosworth District Council

**Planning Ref:** 25/01157/OUT

**ULAS Job No:** 27-505

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University of Leicester  
Archaeological Services  
University Rd., Leicester, LE1 7RH  
Tel: (0116) 2522848 Fax: (0116) 2522614



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## Written Scheme of Investigation for Archaeological Evaluation

### 1. Introduction

#### *Definition and scope of the project*

- 1.1 This document is a Written Scheme of Investigation (WSI) for a programme of archaeological evaluation on land off Hill Lane, Markfield, Leicestershire LE67 9UB in accordance with National Planning Policy Framework (NPPF): Section 20 Enhancing and Conserving the Historic Environment HE1-10 (MHCLG 2026) and will be submitted to the Planning Archaeologist for approval prior to any archaeological work taking place.
- 1.2 This WSI was commissioned by Glenalmond Developments Ltd. The fieldwork specified below is intended to provide preliminary indications of the character and extent of any heritage assets within the Proposed Development Area (PDA) in order that the potential impact of the proposed development on such remains may be assessed by the Planning Authority.

### 2. Background

#### *Context of the Project*

- 2.1 Outline planning permission has been deferred for the erection of up to 67 dwellings on land off Hill Lane, Markfield, Leicestershire LE67 9UB **(25/01157/OUT)** due to the requirement of an archaeological evaluation. The Planning Archaeologist as advisor to the Planning Authority has requested that archaeological evaluation is undertaken to determine the archaeological potential of the proposed development area (PDA) and the impact that the proposed development might have on it.
- 2.2 This requires a programme of archaeological trial trenching comprising a 3% coverage of the 3.2ha area that amounts to 18 x 30m trenches to be conducted as an initial stage of the proposed development.

#### *Topography and Geology*

- 2.3 The PDA is located on the north-western edge of Markfield, Leicestershire. It comprises c.3.2ha of land divided into five rough pasture fields, centred at NGR SK 4871 1054 (Figs 1 & 2). The boundaries of the site consist of Hill Lane to the north-west, hedgerows and mature trees forming the rear property boundaries of housing to the north-east, east and south and hedgerows and mature trees to the south-west, beyond which are small agricultural plots and woodland.
- 2.4 The ground within the PDA rises from c.195m aOD in the south-eastern corner to c.200m aOD in the north-eastern corner and to c.205m AOD along the western site boundary (Fig 3).
- 2.5 The British Geological Survey (BGS) 1:50,000 records the geology within the PDA as mudstone belonging to the Gunthorpe Member. Superficial deposits overlaying the mudstone in most of the site are Head clay, silt, sand and gravel and Diamicton of the Oadby Member in a small area along the eastern site boundary (BGS; <https://www.bgs.ac.uk/map-viewers/bgs-geology-viewer/> accessed 28/08/2026).

- 2.6 The Soilscape/ LandIS website indicates that the soils, slowly permeable seasonally wet acid loamy and clayey soils ( Soilscape 17) <https://portal.landis.org.uk/apps>

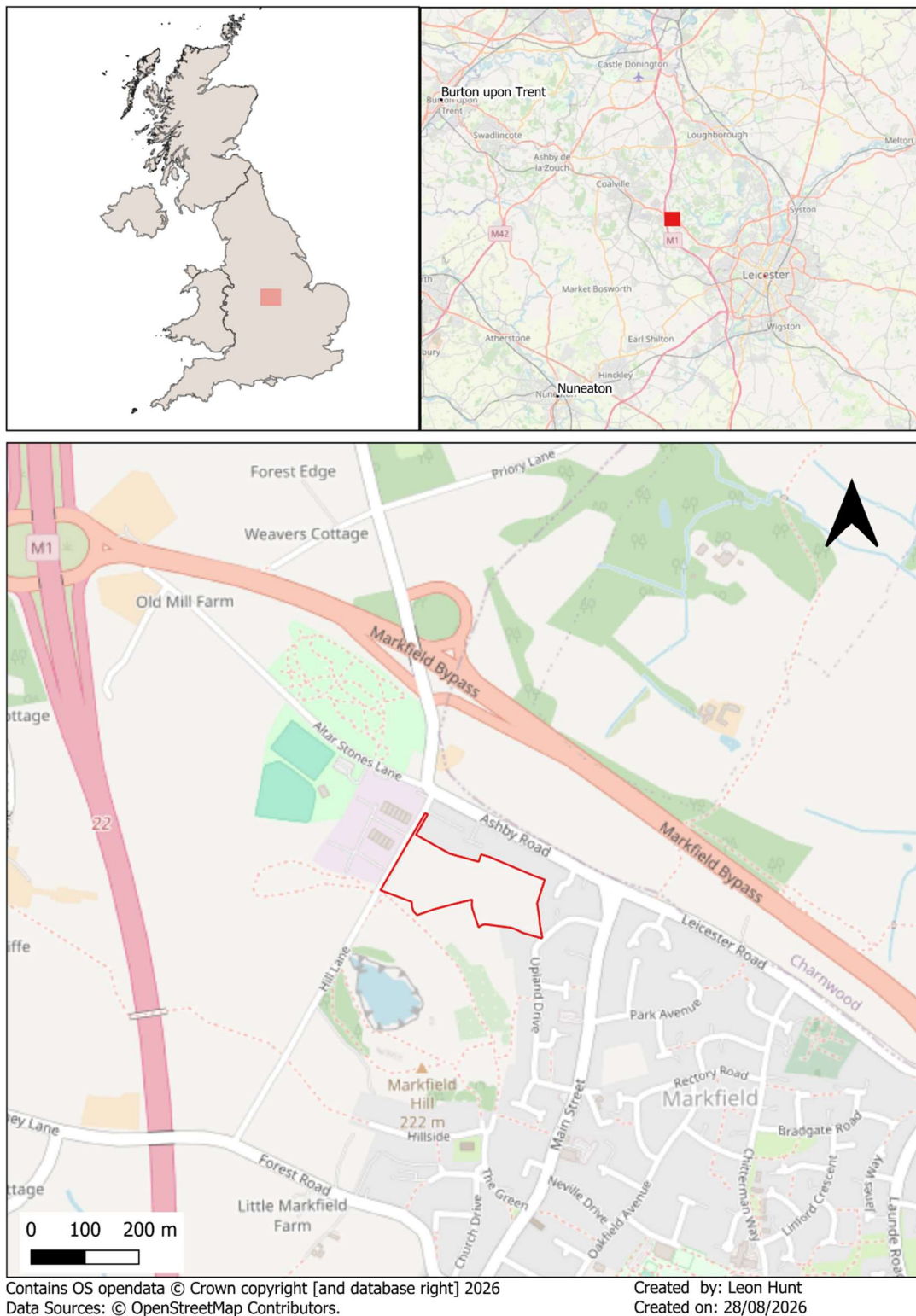


Figure 1: Site Location, within UK, county, and local

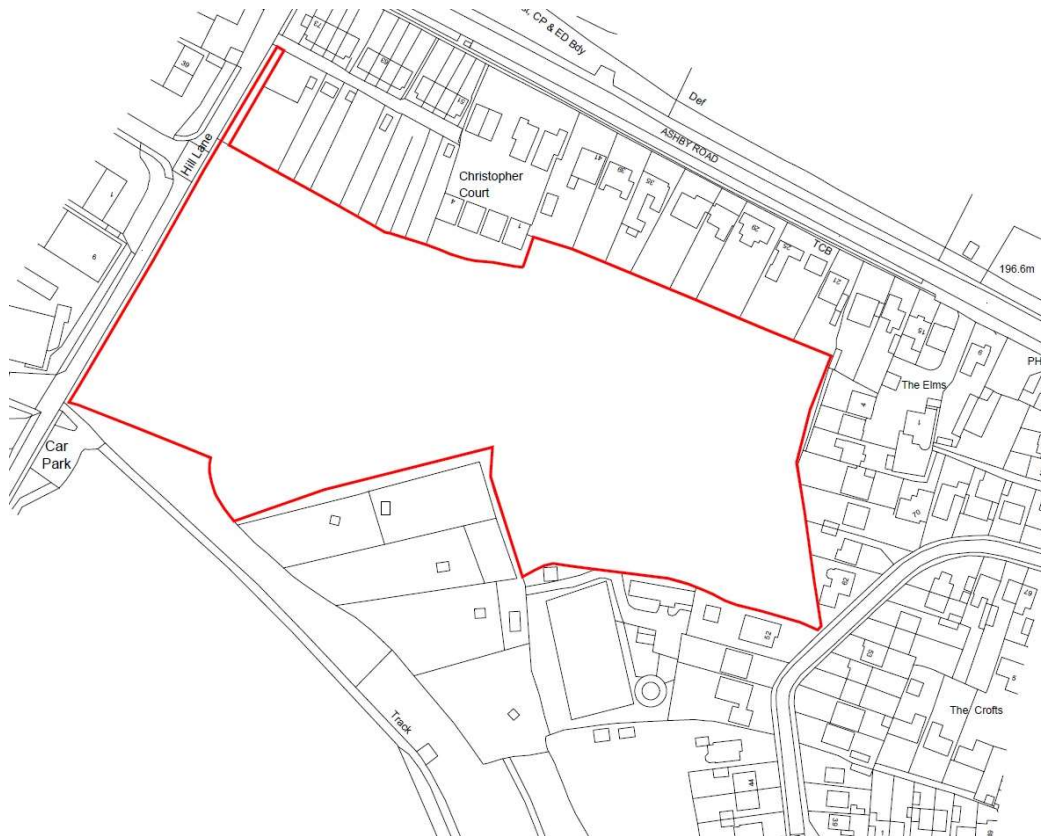


Figure 2: Detailed site location plan (provided by client)



Figure 3: Topographical Survey (provided by client)

### ***Historical and Archaeological Background***

- 2.7 A desk-based assessment (Behrendt 2021) has been undertaken, and the following is summarised from this. The reference number for the Historic Environment Record (HER) for Leicestershire & Rutland are shown in bold in the text.

#### *Prehistoric - Roman*

- 2.8 There are no HER records of Prehistoric or Roman date within the PDA or within the 1km search area.

#### *Anglo-Saxon to Medieval*

- 2.9 The Saxon and Medieval historic settlement core of Markfield (**MLE5940**) is located c.400m south of the PDA, focused around St Michael's church with a narrow band mapped along Main Street towards the north. The settlement is recorded as Merchenefeld in Domesday Book (1086), roughly translating to the open country of the Mercians. The most likely explanation of this name is that at the time of early Anglo-Saxon settlement this was a stretch of open land which formed a boundary between the Middle Angles and the Mercians (Bourne 2003). The settlement also contains the Medieval church of St Michael (**MLE11696**) c.400m south of the PDA. Earthwork remains of fishponds (**MLE2943**) of possible medieval origin, are also recorded c.650m south of the PDA.
- 2.10 The HER contains no records of Saxon/Medieval activity within the PDA. The HER records ridge and furrow earthworks within the PDA (**MLE28869**).

#### *Post-medieval to modern*

- 2.11 Out of the 23 records on the HER within the search area, 20 are of post-medieval and/or modern date. All of these relate to buildings/monuments, transport routes or quarry sites of a well-defined extent and nature that generally add little to the understanding of the study site's archaeological potential and are therefore not discussed in any further detail.
- 2.12 The remains of a 19th century quarry lie 170m south of the PDA. The quarry was active until WWI. Hill Hole Quarry is the type locality for 'Markfieldite', much admired as a building stone for its colour and beauty (**MLE21633**).

#### *Previous Archaeological Work*

- 2.13 Magnitude Surveys Ltd was commissioned to assess the subsurface archaeological potential of the PDA in 2021. A fluxgate gradiometer survey was successfully completed across the survey area, except c. 1.17ha that could not be surveyed due to the presence of trees and overgrown vegetation. The geophysical survey identified ridge and furrow cultivation along with potential headland ploughing. Previous LiDAR survey has recorded evidence of ridge and furrow cultivation within the vicinity. The potential remains of a former structure were also identified. No anomalies suggestive of archaeological remains were identified, however several undetermined anomalies were detected for which could not be confidently ascribed. (Clements 2021).

### *Archaeological Potential*

- 2.14 The desk-based assessment identified there is Low archaeological potential within the site, apart from ridge and furrow earthworks. However, this may be due to a paucity of archaeological work in the area, which is unattested archaeologically.

### **3. Aims and Objectives**

- 3.1 The main aim of the evaluation is to provide information on any archaeological remains in order for the local planning authority to make informed recommendations and to identify an appropriate mitigation strategy for the proposed development.
- 3.2 The main objectives of the archaeological work are:
- To identify the presence/absence of any archaeological deposits.
  - To characterise the extent, date range, character, condition and significance of any archaeological deposits to be affected by the ground works.
  - To excavate and record archaeological deposits uncovered during the work.
  - To establish the ecofactual and environmental potential of any archaeological deposits and features encountered.
  - Interpret the archaeology of the site within its local, regional, and national, archaeological context.
  - To advance understanding of the heritage assets and establish the relationship of any remains within the wider landscape.
  - To produce a report and archive of the results.

### ***Research Objectives***

- 3.3 The site has the potential to add to research objectives identified within the East Midlands Historic Environment Research Framework

<https://researchframeworks.org/emherf/introducing-the-research-agenda/>

- 3.4 There is therefore potential for remains that could contribute to the following Research Objectives:

#### **Iron Age**

- 4E Assess the evidence for the evolution of settlement hierarchies
- 4F Investigate intra-regional variations in development of fields and linear boundaries
- 4G Study the production, distribution and use of artefacts

#### **Roman**

- 5H Investigate landscape contexts of rural settlements.
- 5I Support research and publication of landscape syntheses.
- 5J Instigate regional scale characterisation study of industry

#### **Medieval**

- 6J Update and expand East Midlands Anglo-Saxon Pottery Project.
- 7E Investigate the morphology of rural settlements.

#### **Post-Medieval**

- 8C Establish a typology of regional building traditions.

3.5 These research aims have been identified based on the current state of knowledge within the area of the scheme and will be re-assessed and updated during the course of the fieldwork.

#### **4. Constraints**

4.1 A line search survey was carried out prior to this WSI being compiled. No known buried services were identified within the site. However, the area will be checked with a CAT scanner before excavation takes place.

4.2 A badger set has been identified on the south-western part of the PDA. All archaeological work will be kept outside the indicated exclusion zone.

#### **5. Methodology**

5.1 All work will be carried out in accordance with the Chartered Institute for Archaeologists (CIfA) *Standard for archaeological field evaluation* (2023a), *Universal Guidance for archaeological field evaluation* (2023b) and *Code of Conduct: professional ethics in archaeology* (2025).

<https://www.archaeologists.net/work/standards>

5.2 Any significant variations to the proposed methodology set out below will be discussed and agreed with the planning archaeologist and the client in advance of implementation.

5.3 The accession number (**X.A91.2026**) will be used to identify all records and artefacts.

5.4 Prior to any machining, general photographs of the site will be taken.

5.5 Evaluation trenches will be set out on OS National Grid (NGR) co-ordinates using an appropriate methodology. The position and size of trenches may be adjusted on site to account for constraints, with the approval of the planning archaeologist.

5.6 Excavation will be carried out by ULAS's contractor with a machine appropriate for the work fitted with a flat-bladed bucket to expose the underlying strata.

5.7 Topsoil and overburden will be removed carefully in level spits, under continuous archaeological supervision. The PDA will be excavated down to the top of archaeological deposits or natural undisturbed ground, whichever is reached first. Where structures, features or finds appear to merit preservation in situ, they will be adequately protected from deterioration.

5.8 The planning authority has asked for 3% coverage of the 3.2ha area to provide coverage of the proposed development area (Fig 4), while avoiding the site constraints, which equates to 18 x 30m trenches (Figs 5 & 6).



Figure 4: Plan of proposed development (provided by client)

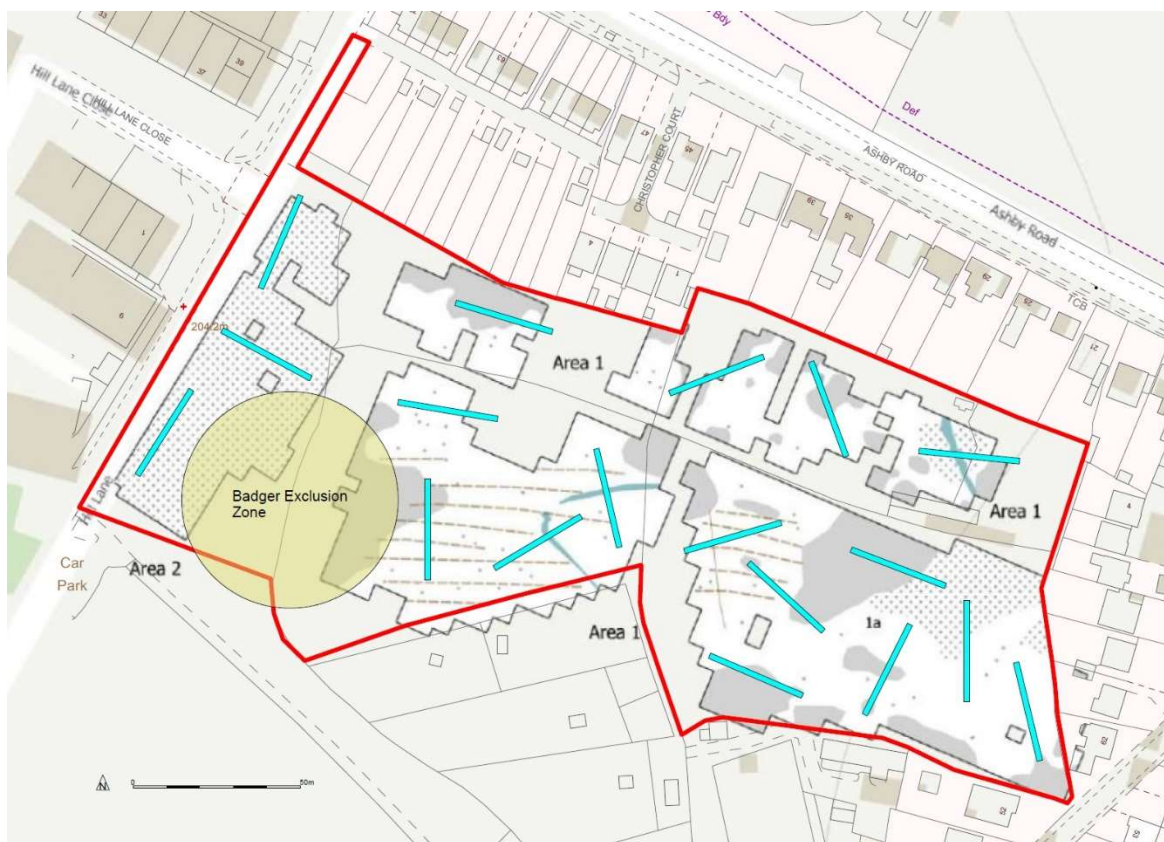


Figure 5: Proposed trench plan over geophysical interpretation plan

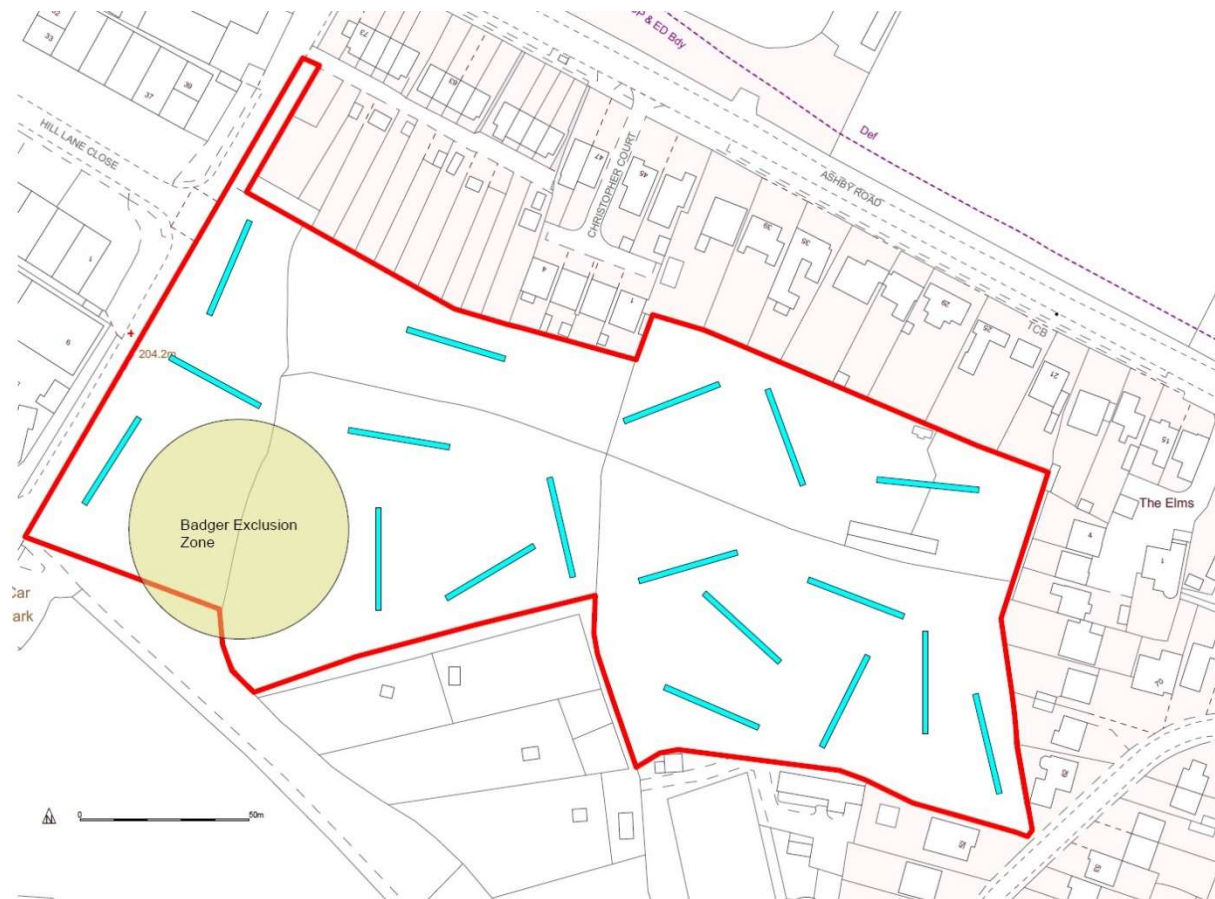


Figure 6: Proposed trench plan

- 5.9 All exposed features will be investigated by hand excavation. Archaeological deposits will be recorded and excavated using standard ULAS procedures as set out in the ULAS recording manual (ULAS 2023) or using 'Diggit' digital recording -methods <https://www.diggitarchaeology.com/> . Particular emphasis will be placed upon retrieving a stratigraphic sequence and upon obtaining details of the phasing of the site.
- 5.10 Sufficient proportions of any archaeological features or deposits will be hand excavated in order to provide the stratigraphic and chronological sequence of deposits, recognising and excavating structural evidence and recovering economic, artefactual and environmental evidence.
- 5.11 Unless otherwise agreed with the planning archaeologist, standard sample excavation will include

|                                                                                                        |                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>discrete archaeological features pits, postholes, etc.</b>                                          | 50% of will be excavated unless their common / repetitious nature suggests they are unlikely to yield significant new information or unless their size or content suggests that 100% would be preferable.                                  |
| <b>linear features (boundary features, ditches, gullies, trackways, pathways etc.)</b>                 | 10% of each targeting terminals and intersections, with slots measuring at least 1m in width wherever possible. If these are repeated in multiple trenches then a flexible approach will be adopted to the location of excavation samples. |
| <b>Bulk horizontal deposits</b>                                                                        | Depending on the area, a sufficient amount will be excavated to identify the date and nature                                                                                                                                               |
| <b>Stone structures or other buildings</b>                                                             | These will be exposed and recorded as far as possible                                                                                                                                                                                      |
| <b>Funerary/ritual activity and domestic/industrial deposits including potential ovens and hearths</b> | Depending on their extent and nature these will be recorded and a strategy for their preservation or excavation has been developed.                                                                                                        |
| <b>Tree throw holes/ possible natural or geological features</b>                                       | A sample will be excavated sufficient to establish the nature of the features.                                                                                                                                                             |

- 5.12 Metal detecting of exposed features and spoil may be undertaken during the excavations to aid in the recovery of finds.
- 5.13 A record of the full extent in plan of all archaeological deposits encountered will be made using an appropriate system related to the OS grid. Measured drawings of all archaeological features will be prepared and tied into the overall site plan. Relevant OD heights will be taken as appropriate.
- 5.14 A photographic record of the investigations will be prepared. This will include photographs illustrating in both detail and general context the principal features and finds discovered. The photographic record will also include 'working shots' to illustrate more generally the nature of the archaeological work.

- 5.15 All photographs (except general or publicity shots) will be taken with a high-resolution digital camera and will include a suitable scale bar, north arrow and information to identify the site and where appropriate the context.
- 5.16 The photographic record will follow the standards set out in Historic England 2015, *Digital Image Capture and File Storage* and the standards required by Archaeology Data Service (ADS) for storage and archiving: <https://archaeologydataservice.ac.uk/advice/Downloads.xhtml>
- 5.17 This record will be compiled and checked during the course of the excavations, and all site records and finds will be kept securely.

### **Monitoring**

- 5.18 Notification of the start of the site works will be made to the Planning Archaeologist prior to commencement of the archaeological work in order that monitoring arrangements can be made.
- 5.19 Internal monitoring procedures will be undertaken including reports/photos or visits to the site by the project manager. These will ensure that project targets are met and professional standards are maintained. Provision will be made for external monitoring meetings with representatives of the Planning Archaeologist, Local Planning Authority and the Client, if required, subject to the health and safety requirements of the site.

### **Contingency Provisions**

- 5.20 While ULAS attempts to foresee and make allowances for all possible site-specific constraints, there may on occasion be unusual circumstances which have not been included in the programme or quote, which may entail additional costs and/or time for the client. These could include: unavoidable delays due to bad weather, vandalism, poor ground conditions, areas requiring shoring or stepping, unknown contamination or services, further work required by the Planning Archaeologist (e.g. changes to trenches, extra trenches, excavation sample sizes) or significant archaeological deposits that may require specialist input.
- 5.21 In the event of potentially significant archaeological deposits being found or further work being required for which the resources allocated are not sufficient or which are of sufficient significance to merit an alternative approach the archaeologist will inform the client, the Planning Archaeologist and the Local Planning Authority in order for detailed discussion between all relevant parties to take place. Following assessment of the archaeological remains ULAS shall, if required, implement an amended scheme of investigation on behalf of the client as appropriate.
- 5.22 If significant quantities of unexpected finds are recovered during the fieldwork it may be necessary to renegotiate additional post-excavation analysis and reporting costs

## **6. Finds**

- 6.1 Finds will be hand-collected on site as per the selection strategy (Appendix 1). Where significant quantities of industrial waste or ceramic building material are found an on-site selection and recording strategy will be developed in consultation with the specialist. All finds will be bagged by context, and small finds will be allocated a unique small find number and bagged separately. All artefacts will be processed and analysed

in accordance with *Standard and guidance for the collection, documentation, conservation and research of archaeological materials* (ClfA 2020) and the relevant ClfA Toolkits.

### **Treasure**

- 6.2 In the event of discovery of artefacts that might constitute Treasure under the definition of The Treasure Act 1996 and its revisions (Treasure (Designation) Order 2023), these will be excavated and removed to a safe place. The Client, Coroner, the Planning Archaeologist and the Finds Liaison Officer (FLO) will be informed immediately. A treasure receipt will be completed and submitted to the Coroner's Office and the FLO within 14 days.

### **Human Remains**

- 6.3 If human remains are encountered they will be left in situ. ULAS will inform the Client the Planning Archaeologist and the coroner immediately. If excavation of human remains is required ULAS will obtain a Ministry of Justice Licence (Section 25 of the Burial Act 1857). All excavation and post-excavation will also be in accordance with the standards set out in the Updated Guidelines to the Standards for Recording Human Remains (ClfA 2017). The final placing of human remains following analysis will be subject to the requirements of the Ministry of Justice License.

## **7. Environmental Samples**

- 7.1 All environmental work will be undertaken in accordance with *Environmental Archaeology: A guide to the theory and practice of methods, from sampling and recovery to post-excavation* (Historic England 2025) and if necessary, in consultation with the Historic England Regional Science Advisor.
- 7.2 The following environmental sampling strategy will be adopted in consultation with the ULAS Environmental Officer.
- A representative selection of features will be sampled on a judgmental basis; covering all feature types, phases and areas across the site. The criteria for selection will be that deposits are well-sealed and with little obvious intrusive or residual material.
  - Spot samples will be taken where visible concentrations of environmental remains are located.
- 7.3 All collected samples will be labelled with the accession number, context and sequential sample numbers.

### **Bulk samples**

- 7.4 Bulk samples should either be 40 - 60 litres or the whole context depending on size, this is for the recovery of carbonised and mineralized plant remains, small animal bones, molluscs and industrial residues.
- 7.5 Flotation will be carried out using a York tank with a 0.5mm mesh and a 0.3mm flotation sieve.
- 7.6 The heavy residue will be separated into over 4mm and under 4mm fractions. The heavy residue will be sorted by eye for finds in its entirety, apart for the under 2mm

for which a proportion will be rapidly assessed under a microscope and only sorted if a high potential for remains is considered by the Environmental Project Officer.

- 7.7 All flots will be scanned for plant remains and other artefact types. Those which contain significant quantities or material of interest will be analysed.

#### ***Waterlogged samples***

- 7.8 If features are thought to contain waterlogged deposits discussions with the Environmental Project Officer will determine their potential for the recovery of waterlogged plant remains, insects and pollen. Appropriate and targeted sampling strategies will be applied for the recovery of this material. This may include columns and associated samples, typically 20 litres in volume as recommended in the guidance. We will seek further advice during site work with the specific external specialists who will analyse the material as to whether the sampling strategy being employed is appropriate.

#### ***Other specialist samples***

- 7.9 In the event where other specialist sampling is required (eg. geochemical and micromorphological), advice will be sought from the Historic England Science Advisor in co-ordination with the appropriate external specialist.

#### ***Scientific Dating***

- 7.10 The selection of material for radiocarbon dating will be determined following the assessment of environmental remains in line with national guidance and standards (Bayliss and Marshall 2022). Three key deposit types will be considered for radiocarbon dating:
- Articulated (joining joint elements) animal or human remains (they are unlikely to have moved far from the point of deposition)
  - Concentrated dump/ single deposition of charred plant remains
  - When neither animal bone or charred plant remains are available if there is a concentration of charcoal (preferably roundwood) this is targeted

Where possible multiple samples will be submitted for dating from the same context to ensure the validity of the results.

- 7.11 Consideration will also be given to the use of Dendrochronology, Archaeomagnetic and Optical Luminescence Dating (OSL). Specialists will be consulted and undertake the site work, analysis and reporting.

### **8. Timetable and Personnel**

- 8.1 An exact date for the work has yet to be fixed; it is likely to take place in September 2026, subject to approval of the WSI.
- 8.2 This project will be under the management of John Thomas (MCIfA). The Project Manager will direct the overall conduct of the excavation as required during the period of fieldwork. Day to day responsibility will rest with the Site Supervisor who will be on-site throughout the project.

8.3 The site supervisor will carry out the post-excavation work, with time allocated within the costing of the project for analysis of any artefacts found on the site by the relevant in-house specialists at ULAS.

8.4 ULAS uses in-house and external specialists for post-excavation work as follows

|                                            |                                                                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Post-excavation Project Management         | Alice Forward PhD FSA                                                                                                                         |
| Environmental analysis and reporting.      | Rachel Small PhD MCIfA<br>Will Johnson MA                                                                                                     |
| Prehistoric and Roman Pottery:             | Nicholas Cooper BSc, Dip post-ex, FSA, MCIfA (external)<br>Elizabeth Johnson BSc MA (Roman pottery) member SGRP                               |
| Post-Roman Pottery:                        | Alice Forward PhD FSA<br>Kristophe Michaels BA<br>Paul Blinkhorn BA (external)                                                                |
| Animal bone                                | Jennifer Browning BA, MA, MCIfA<br>Rachel Small PhD MCIfA<br>Will Johnson MA                                                                  |
| Human bone                                 | Jennifer Browning BA, MA, MCIfA<br>Rachel Small PhD MCIfA<br>York Osteoarchaeology Ltd (external)                                             |
| Small Finds                                | Nicholas Cooper BSc, Dip post-ex, FSA, MCIfA (external)<br>Heidi Addison BA                                                                   |
| Lithics                                    | Rebecca Delaney BA, MA, ACIfA (external)                                                                                                      |
| Ceramic Building Material                  | Andrew Hyam MA                                                                                                                                |
| Industrial residues and building materials | Heidi Addison BA                                                                                                                              |
| Wood/Geoarchaeology                        | Matthew Beamish, MA (Cantab), MCIfA<br>Wood: Michael Bamforth BSc MA MCIfA (external)<br>Geoarchaeology: Andrew J Howard PhD MCIfA (external) |

## 9. Post Excavation Analysis and Reporting

9.1 All artefacts and samples will be processed, assessed, conserved and packaged in accordance with ClfA (2020b), ULAS procedures and the relevant Museums guidelines for transferring archaeological archives.

9.2 Specialist reports will be prepared as per the ClfA Toolkit for Specialist Reporting <https://www.archaeologists.net/reporting-toolkit>. Pottery reports will refer to the appropriate type series, including the Leicestershire/Warwickshire type series for Roman, medieval and post-medieval pottery.

9.3 A report and archive of the results of the archaeological evaluation is required regardless of what is found and will be produced following the completion of the fieldwork programme.

9.4 The draft report will include:

- A non-technical summary
- The aims and methods adopted in the course of the evaluation.
- A description of the nature, extent, date, condition and significance of all archaeological deposits recorded during groundworks
- Appropriate illustrative material including maps, plans, sections, drawings and photographs.

- A summary of artefacts, specialist reports and a consideration of the evidence within its local, regional, national context.
- An index of the contents and location of the archive.
- Bibliography.

- 9.5 A draft digital version of the report will be provided for the client, the Planning Archaeologist and the Local Planning Authority for approval. Once approved the final report will be deposited with the Historic Environment Record on the understanding that it will become a public document after an appropriate period of time.

#### ***Publication and dissemination of results***

- 9.6 Arrangements will be made for an appropriate level of academic publication of the results of the excavations. As a minimum, a brief site summary in text format will be provided for the local archaeological journal (Transactions of the Leicestershire Archaeological and Historical Society). Where wider dissemination is appropriate and the significance of the results warrant, a full copy of the report in an appropriate format shall be submitted for publication in relevant academic journals.
- 9.7 The copyright of all original finished documents shall remain vested in ULAS and ULAS will be entitled as of right to publish any material in any form produced as a result of its investigations under the *Copyright, Designs and Patents Act 1988*. ULAS provides exclusive licence to the client for the use of such documents by the client and/or commissioning agent in all matters directly relating to the project.
- 9.8 Licence will also be given to the archaeological curators (Planning Archaeologists, Historic Environment Record and Archive Repository) to use the documentary archive for educational, public and research purposes.
- 9.9 ULAS uploads all digital reports (subject to confidentiality agreements) to OASIS. An online OASIS form will be completed detailing the results of the project. Once a report has become a public document following its incorporation into the HER it will be uploaded onto the web-site.

#### ***Archive Deposition***

- 9.10 Following the fieldwork, the landowner will be required to complete a transfer of title form to transfer ownership of the archive to Leicestershire County Council Museum Collections. The indexed, site archive will be prepared and deposited with the agreed museum in accordance with their guidelines (Leicestershire Museums 2024) and national standards (CifA 2020b). Within each specialist report recommendations will be made regarding the selection and retention policy for the material being reported on using the relevant CifA toolkits.
- 9.11 The digital archive will be deposited with the Archaeological Data Service ADS: <https://archaeologydataservice.ac.uk/> ).
- 9.12 If the site is considered to be sterile (no archaeological features or finds) this will be agreed with the Planning Archaeologist and relevant museum and any archive will be included as Appendices to the report and deposited via OASIS (Online system for reporting investigations into the historic environment and linking research outputs and archives) <https://oasis.ac.uk/> .

## **10. Data management**

- 10.1 All digital data created during the project will be held on University of Leicester Servers which are backed-up on a daily basis. Following the completion of the post-excavation phase, data will be selected for the final digital archive in accordance with ULAS Procedures and ADS guidelines and terms and conditions (Appendix 2).
- 10.2 Data produced by sub-contractors will be granted under license for inclusion in the digital archive.

## **11. Public Engagement and Publicity**

- 11.1 The proposed archaeological work will deliver public benefit by enhancing understanding of the local historic environment and contributing to the wider archaeological record. This benefit will be primarily achieved through the dissemination of results via the Archaeology Data Service (ADS) and through appropriate publication.
- 11.2 Although the nature of the project will not support direct public participation during fieldwork, ULAS is committed to promoting public engagement in all our projects. ULAS will work collaboratively with the Client to identify and develop opportunities for public engagement. Where feasible, opportunities will be explored to involve local communities through presentations, talks, site visits, social media updates, web-based resources, and other forms of digital outreach. These activities will be guided by best practice, including the Chartered Institute for Archaeologists (CIfA) toolkit for public engagement.
- 11.3 ULAS will acknowledge the contribution of the Client in any reports, displays, broadcasts, or publications arising from the project or in which the site is referenced.

## **12. Health and Safety**

- 12.1 All work will be conducted in accordance with the Health and Safety at Work Act 1974 and all subsequent Health and Safety legislation, University of Leicester Statement Of Safety Policy Health and Safety and Environmental policies as well as any Principal Contractor's policies or procedures. A site-specific Risk Assessment and Method Statement will be formulated prior to commencement of fieldwork. This will be monitored on site and updated as necessary.
- 12.2 The safety of ULAS staff will take priority over the desire to record archaeological deposits. Where excavated evaluation trenches present a health and safety risk due to depth or unstable edges these will be completely or partly backfilled in order to make the site environs safe. Appropriate recording defined by a dynamic risk assessment will take place prior to backfilling.

## **13. Insurance**

- 13.1 All ULAS work is covered by the University of Leicester's Public Liability, Professional Indemnity and Employers Liability Insurance as documented in the RAMS.

## **14. Quality Assurance**

- 14.1 ULAS is a Registered Organisation (RO) with the Chartered Institute for Archaeologists. All ULAS Project Managers hold Member status and all ULAS Projects are overseen by the Project Manager who is responsible for the quality of the project.
- 14.2 All projects have a dedicated project manager who is responsible for the quality of the work involved and responsibility for ensuring compliance with ULAS and ClfA standards. All completed reports and publications are checked by a senior member of staff prior to dissemination.

## **15. Staff Training and CPD**

- 15.1 All ULAS staff are subject to University of Leicester's Personal Development Discussion (PDD) strategy which reviews personal performance, identifies targets and areas for improvement and identified the need for appropriate. All members of staff are required to maintain a Personal Development Plan.

## **16. Environmental Sustainability and Carbon Reduction**

- 16.1 The University of Leicester has an Environmental Sustainability Programme and Climate Change Strategy & Environmental Sustainability Policies. This has introduced Environmental Local Coordinators and Local Environment Action Plans (LEAPs) for each department. ULAS has developed their LEAP in conjunction with the Department for Archaeology and Ancient History archaeology department and the Chartered Institute for Archaeology Carbon Reduction Toolkit. for reducing environmental impacts (Appendix 3).

## **17. Bibliography**

(All websites accessed 28/08/2026)

Archaeology Data Service: <https://archaeologydataservice.ac.uk/advice/Downloads.xhtml>

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Behrendt, A 2021 *Archaeological Desk-Based Assessment- Hill Lane, Markfield, Leicestershire*. (RPS GROUP Report 26951.1)

Bourne, J 2003 *Understanding Leicestershire & Rutland Place Names*. Leicester Libraries. Leicester

Brickley, M. & McKinley, J. 2004 ClfA *Technical Paper 7: Guidelines to the Standards for Recording Human remains*

British Geological Survey: <https://www.bgs.ac.uk/map-viewers/bgs-geology-viewer/>

Clements, M 2021 *Geophysical Survey Report Land at Hill Lane, Markfield Leicestershire* (Magnitude Surveys MSSK841)

ClfA (Chartered Institute for Archaeologists) 2017, *Updated Guidelines to the Standards for Recording Human Remains*

ClfA (Chartered Institute for Archaeologists) 2020a, Standard and guidance for the collection, documentation, conservation and research of archaeological materials.

- ClfA (Chartered Institute for Archaeologists) 2020b, *Standard and guidance for the creation, compilation, transfer and deposition of Archaeological Archives*
- ClfA (Chartered Institute for Archaeologists) 2023, *Standard for archaeological field evaluation*
- ClfA (Chartered Institute for Archaeologists) 2023ab, *Universal Guidance for archaeological field evaluation*
- ClfA (Chartered Institute for Archaeologists) 2025, *Code of Conduct: Professional Ethics in Archaeology*
- ClfA (Chartered Institute for Archaeologists), Toolkit for Selecting Archaeological Archives  
<https://www.archaeologists.net/selection-toolkit>
- ClfA (Chartered Institute for Archaeologists) Toolkit for Specialist Reporting  
<https://www.archaeologists.net/reporting-toolkit>
- ClfA (Chartered Institute for Archaeologists) Toolkit for Public Engagement.  
<https://www.archaeologists.net/work/toolkits/engagement>
- DCMS (Department for Culture, media and sport) 1996, *The Treasure Act 1996 Code of Practice (3<sup>rd</sup> revision, 2023)*
- Diggit: <https://www.diggitarchaeology.com/>
- East Midlands Historic Environment Research Framework  
<https://researchframeworks.org/emherf/>
- Historic England 2015, *Digital Image Capture and File Storage*
- Historic England 2025, *Environmental Archaeology. A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation* (third edition) Swindon. Historic England.
- Leicestershire Museums, 2024, *The Transfer of Archaeological Archives to Leicestershire County Council Museum Collections*.
- Ministry of Housing, Communities and Local Government (2026) *National Planning Policy Framework. Section 20 Enhancing and Conserving the Historic Environment HE1 – 10*. London: MHCLG. Available at: <https://www.gov.uk/guidance/national-planning-policy-framework>
- OASIS <https://www.oasis.ac.uk/>
- Soilscapes: <http://www.landis.org.uk/soilscapes/>
- ULAS 2023 *ULAS Recording Manual*.

## APPENDIX 1: Selection Strategy

**Selection Strategy:** 27-505: Land Opposite Industrial Estate, Hill Lane, Markfield, Leics. 28/08/2026

| Project Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------|
| Project Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |                |
| Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | John Thomas                                      |                |
| Archaeological Archive Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Alice Forward, Heidi Addison                     |                |
| Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ULAS                                             |                |
| Stakeholders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  | Date Contacted |
| Collecting Institution(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Leicestershire County Council Museum Collections | 28/08/2026     |
| Project Lead / Project Assurance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | William Kelly                                    | Date WSI sent  |
| Landowner / Developer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Glenalmond Developments Ltd                      | Date WSI sent  |
| Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NA                                               | NA             |
| Resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |                |
| Resources required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NA                                               |                |
| Context                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |                |
| <p>This selection strategy has been produced using the Written Scheme of Investigation (WSI) and previous work (DBA). No special requirements for selection have been identified from Leicestershire Museums Service so national archiving guidelines have been used. The archive will be produced and deposited in line with Leicestershire Museums Guideline 2024.</p> <p>The site lies outside the medieval village core and there are ridge and furrow within the site. There is little recorded archaeology in the area, but this may be due to a lack of monitored work. Any remains that are found could contribute to research objectives identified within the East Midlands Historic Environmental Heritage Research Frameworks.</p> |                                                  |                |

### 1 – Digital Data

#### Stakeholders

Post-excavation Project Manager: Alice Forward  
 IT Officer: Matt Beamish  
 Project manager: John Thomas  
 Archaeological Data Service (ADS)

#### Selection

Attached as Appendix 2 to this WSI.

| De-Selected Digital Data            |           |           |              |
|-------------------------------------|-----------|-----------|--------------|
| Attached as Appendix 2 to this WSI. |           |           |              |
| Amendments                          |           |           |              |
| Date                                | Amendment | Rationale | Stakeholders |
|                                     |           |           |              |

## 2 – Documents

## Stakeholders

Project Manager, Site Director, Archives Team, Planning Archaeologist, Museum Curator

## Selection

Site Paperwork is security scanned and be kept in the online project folder.

All site paperwork is security scanned to the online project folder and included in the final permanent archive.

All Digital data will be kept in the online project folder.

All specialist recording and data will be included in the online project folder and the archive

All digital photos will be printed as contact sheets as well as kept in the online project folder

The final grey literature report will be included in the project archive

Selection Review Points are:

- Project Planning (WSI)
- Data gathering (during & post fieldwork)
- Assessment & analysis
- Compilation of archive

CiFA (Chartered Institute for Archaeologists) 2020b, Standard and guidance for the creation, compilation, transfer and deposition of Archaeological Archives

ADS: <https://archaeologydataservice.ac.uk/>

## De-Selected Digital Data

Any personal data and financial information will be deselected using standard UoL procedures

## Amendments

| Date | Amendment | Rationale | Stakeholders |
|------|-----------|-----------|--------------|
|      |           |           |              |

## 3 – Materials

| Material type | Stone & Lithics | Section 3. | 1 |
|---------------|-----------------|------------|---|
|---------------|-----------------|------------|---|

## Stakeholders

ULAS Post-excavation Project Manager, ULAS Finds Supervisor, Finds Specialist, Planning Archaeologist, Museum Curator

## Selection

| Find Type           | Selection Strategy                                                       | Stakeholders                                             | Review Points                                         |
|---------------------|--------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| Unworked flint      | Not collected/discarded                                                  | Finds Specialist, Planning Archaeologist, Museum Curator | Fieldwork;                                            |
| Worked flint        | collected and recorded in full and retained as part of the finds archive | Finds Specialist, Planning Archaeologist, Museum Curator | Fieldwork; Processing; Recording; Archive compilation |
| Heat affected stone | recorded and discarded if unworked or unstratified                       | Finds Specialist, Planning Archaeologist, Museum Curator | Fieldwork; Processing; Recording; Archive compilation |

|                                                                                                                                                                                   |                                                             |                                          |                     |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|---------------------|-------------------------------------------------------|
| Masonry                                                                                                                                                                           | collected and recorded in full and discarded if appropriate | Finds Specialist, Archaeologist, Curator | Planning Museum     | Fieldwork; Processing; Recording; Archive compilation |
| <b>Uncollected Material</b>                                                                                                                                                       |                                                             |                                          |                     |                                                       |
| Unstratified finds (e.g. from topsoil or subsoil) will be uncollected although their presence may be recorded.                                                                    |                                                             |                                          |                     |                                                       |
| <b>De-Selected Material</b>                                                                                                                                                       |                                                             |                                          |                     |                                                       |
| Once processed and recorded as appropriate, deselected objects may be assessed for use in handling collections. Otherwise they will be disposed of using the UoL discard service. |                                                             |                                          |                     |                                                       |
| <b>Amendments</b>                                                                                                                                                                 |                                                             |                                          |                     |                                                       |
| <b>Date</b>                                                                                                                                                                       | <b>Amendment</b>                                            | <b>Rationale</b>                         | <b>Stakeholders</b> |                                                       |
|                                                                                                                                                                                   |                                                             |                                          |                     |                                                       |

|                                                                                                                                                                                   |                                                                          |  |                                          |                 |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--|------------------------------------------|-----------------|-------------------------------------------------------|
| Material type                                                                                                                                                                     | Ceramics - Pottery                                                       |  |                                          | Section 3.      | 2                                                     |
| Stakeholders                                                                                                                                                                      |                                                                          |  |                                          |                 |                                                       |
| ULAS Post-excavation Project Manager, ULAS Finds Supervisor, Finds Specialist, Planning Archaeologist, Museum Curator                                                             |                                                                          |  |                                          |                 |                                                       |
| Selection                                                                                                                                                                         |                                                                          |  |                                          |                 |                                                       |
| Find Type                                                                                                                                                                         | Selection Strategy                                                       |  | Stakeholders                             |                 | Review Points                                         |
| Prehistoric pottery                                                                                                                                                               | collected and recorded in full and retained as part of the finds archive |  | Finds Specialist, Archaeologist, Curator | Planning Museum | Fieldwork; Processing; Recording; Archive compilation |
| Roman pottery                                                                                                                                                                     | collected and recorded in full and retained as part of the finds archive |  | Finds Specialist, Archaeologist, Curator | Planning Museum | Fieldwork; Processing; Recording; Archive compilation |
| Post-Roman pottery                                                                                                                                                                | collected and recorded in full and retained as part of the finds archive |  | Finds Specialist, Archaeologist, Curator | Planning Museum | Fieldwork; Processing; Recording; Archive compilation |
| Post-medieval and Modern pottery                                                                                                                                                  | collected and recorded and discarded if appropriate depending on context |  | Finds Specialist, Archaeologist, Curator | Planning Museum | Fieldwork; Processing; Recording; Archive compilation |
| Uncollected Material                                                                                                                                                              |                                                                          |  |                                          |                 |                                                       |
| Unstratified finds (e.g. from topsoil or subsoil) will be uncollected although their presence may be recorded.                                                                    |                                                                          |  |                                          |                 |                                                       |
| De-Selected Material                                                                                                                                                              |                                                                          |  |                                          |                 |                                                       |
| Once processed and recorded as appropriate, deselected objects may be assessed for use in handling collections. Otherwise they will be disposed of using the UoL discard service. |                                                                          |  |                                          |                 |                                                       |
| Amendments                                                                                                                                                                        |                                                                          |  |                                          |                 |                                                       |
| Date                                                                                                                                                                              | Amendment                                                                |  | Rationale                                |                 | Stakeholders                                          |
|                                                                                                                                                                                   |                                                                          |  |                                          |                 |                                                       |
| Material type                                                                                                                                                                     | Ceramics - CBM                                                           |  |                                          | Section 3.      | 3                                                     |

| Stakeholders                                                                                                                                                                                                           |                                                                     |                                          |                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------|
| ULAS Post-excavation Project Manager, ULAS Finds Supervisor, Finds Specialist, Planning Archaeologist, Museum Curator                                                                                                  |                                                                     |                                          |                                                       |
| Selection                                                                                                                                                                                                              |                                                                     |                                          |                                                       |
| Find Type                                                                                                                                                                                                              | Selection Strategy                                                  | Stakeholders                             | Review Points                                         |
| Tile                                                                                                                                                                                                                   | collected and recorded in full and a sample retained if appropriate | Finds Specialist, Archaeologist, Curator | Fieldwork; Processing; Recording; Archive compilation |
| Brick                                                                                                                                                                                                                  | collected and recorded in full and a sample retained if appropriate | Finds Specialist, Archaeologist, Curator | Fieldwork; Processing; Recording; Archive compilation |
| Burnt clay/daub                                                                                                                                                                                                        | collected and recorded in full and a sample retained if appropriate | Finds Specialist, Archaeologist, Curator | Fieldwork; Processing; Recording; Archive compilation |
| Uncollected Material                                                                                                                                                                                                   |                                                                     |                                          |                                                       |
| Unstratified finds (e.g. from topsoil or subsoil) will be uncollected although their presence may be recorded. Modern building materials or debris will not be collected but may be recorded depending on the context. |                                                                     |                                          |                                                       |
| De-Selected Material                                                                                                                                                                                                   |                                                                     |                                          |                                                       |
| Once processed and recorded as appropriate, deselected objects may be assessed for use in handling collections. Otherwise they will be disposed of using the UoL discard service.                                      |                                                                     |                                          |                                                       |
| Amendments                                                                                                                                                                                                             |                                                                     |                                          |                                                       |
| Date                                                                                                                                                                                                                   | Amendment                                                           | Rationale                                | Stakeholders                                          |
|                                                                                                                                                                                                                        |                                                                     |                                          |                                                       |

| Material type                                                                                                         | Metal                                                                    | Section 3.                               | 4                                                     |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------|
| Stakeholders                                                                                                          |                                                                          |                                          |                                                       |
| ULAS Post-excavation Project Manager, ULAS Finds Supervisor, Finds Specialist, Planning Archaeologist, Museum Curator |                                                                          |                                          |                                                       |
| Selection                                                                                                             |                                                                          |                                          |                                                       |
| Find Type                                                                                                             | Selection Strategy                                                       | Stakeholders                             | Review Points                                         |
| Metal fragments including nails                                                                                       | collected and recorded in full and a sample retained if appropriate      | Finds Specialist, Archaeologist, Curator | Fieldwork; Processing; Recording; Archive compilation |
| Coins                                                                                                                 | collected and recorded in full and retained as part of the finds archive | Finds Specialist, Archaeologist, Curator | Fieldwork; Processing; Recording; Archive compilation |
| Small Finds                                                                                                           | collected and recorded in full and retained as part of the finds archive | Finds Specialist, Archaeologist, Curator | Fieldwork; Processing; Recording; Archive compilation |

|                                                                                                                                                                                   |                                                                                                                                                        |                                          |                      |                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|---------------------------------------------------------------------------------|
| Metal working waste                                                                                                                                                               | collected and recorded as appropriate depending on amount and type. May be recorded on site and subject to deselection depending on amount and context | Finds Specialist, Archaeologist, Curator | Planning Museum      | Fieldwork; Sampling strategy; Processing; Recording; Archive compilation        |
| <b>Uncollected Material</b>                                                                                                                                                       |                                                                                                                                                        |                                          |                      |                                                                                 |
| Unstratified finds (e.g. from topsoil or subsoil) will be uncollected although their presence may be recorded.                                                                    |                                                                                                                                                        |                                          |                      |                                                                                 |
| <b>De-Selected Material</b>                                                                                                                                                       |                                                                                                                                                        |                                          |                      |                                                                                 |
| Once processed and recorded as appropriate, deselected objects may be assessed for use in handling collections. Otherwise they will be disposed of using the UoL discard service. |                                                                                                                                                        |                                          |                      |                                                                                 |
| <b>Amendments</b>                                                                                                                                                                 |                                                                                                                                                        |                                          |                      |                                                                                 |
| Detail any amendments to the above selection strategy here.                                                                                                                       |                                                                                                                                                        |                                          |                      |                                                                                 |
| <b>Date</b>                                                                                                                                                                       | <b>Amendment</b>                                                                                                                                       | <b>Rationale</b>                         | <b>Stakeholders</b>  |                                                                                 |
|                                                                                                                                                                                   |                                                                                                                                                        |                                          |                      |                                                                                 |
| <b>Material type</b>                                                                                                                                                              | <b>Organics</b>                                                                                                                                        | <b>Section 3.</b>                        | <b>5</b>             |                                                                                 |
| <b>Stakeholders</b>                                                                                                                                                               |                                                                                                                                                        |                                          |                      |                                                                                 |
| ULAS Post-excavation Project Manager, ULAS Finds Supervisor, Finds Specialist, Planning Archaeologist, Museum Curator                                                             |                                                                                                                                                        |                                          |                      |                                                                                 |
| <b>Selection</b>                                                                                                                                                                  |                                                                                                                                                        |                                          |                      |                                                                                 |
| <b>Find Type</b>                                                                                                                                                                  | <b>Selection Strategy</b>                                                                                                                              | <b>Stakeholders</b>                      | <b>Review Points</b> |                                                                                 |
| Shell                                                                                                                                                                             | collected and recorded in full and a sample retained if appropriate                                                                                    | Finds Specialist, Archaeologist, Curator | Planning Museum      | Fieldwork; Processing; Recording; Archive compilation                           |
| Leather                                                                                                                                                                           | collected and recorded in full and a sample retained if appropriate                                                                                    | Finds Specialist, Archaeologist, Curator | Planning Museum      | Fieldwork; Processing; Recording; Archive compilation                           |
| Animal Bone                                                                                                                                                                       | collected and recorded in full and retained as part of the finds archive.                                                                              | Finds Specialist, Archaeologist, Curator | Planning Museum      | Fieldwork; Sampling Strategy Review; Processing; Recording; Archive compilation |
| Wood                                                                                                                                                                              | collected and recorded in full and a sample retained if appropriate                                                                                    | Finds Specialist, Archaeologist, Curator | Planning Museum      | Fieldwork; Processing; Recording; Archive compilation                           |
| <b>Uncollected Material</b>                                                                                                                                                       |                                                                                                                                                        |                                          |                      |                                                                                 |
| Unstratified finds (e.g. from topsoil or subsoil) will be uncollected although their presence may be recorded.                                                                    |                                                                                                                                                        |                                          |                      |                                                                                 |
| <b>De-Selected Material</b>                                                                                                                                                       |                                                                                                                                                        |                                          |                      |                                                                                 |
| Once processed and recorded as appropriate, deselected objects may be assessed for use in handling collections. Otherwise they will be disposed of using the UoL discard service. |                                                                                                                                                        |                                          |                      |                                                                                 |

| Amendments |           |           |              |
|------------|-----------|-----------|--------------|
| Date       | Amendment | Rationale | Stakeholders |
|            |           |           |              |

|                                                                                                                                                                                   |                                                                           |                                                          |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| Material type                                                                                                                                                                     | Glass                                                                     | Section 3.                                               | 6                                                     |
| Stakeholders                                                                                                                                                                      |                                                                           |                                                          |                                                       |
| ULAS Post-excavation Project Manager, ULAS Finds Supervisor, Finds Specialist, Planning Archaeologist, Museum Curator                                                             |                                                                           |                                                          |                                                       |
| Selection                                                                                                                                                                         |                                                                           |                                                          |                                                       |
| Find Type                                                                                                                                                                         | Selection Strategy                                                        | Stakeholders                                             | Review Points                                         |
| Bulk finds                                                                                                                                                                        | collected and recorded in full and a sample retained if appropriate       | Finds Specialist, Planning Archaeologist, Museum Curator | Fieldwork; Processing; Recording; Archive compilation |
| Small finds                                                                                                                                                                       | collected and recorded in full and retained as part of the finds archive. | Finds Specialist, Planning Archaeologist, Museum Curator | Fieldwork; Processing; Recording; Archive compilation |
| Uncollected Material                                                                                                                                                              |                                                                           |                                                          |                                                       |
| Unstratified finds (e.g. from topsoil or subsoil) will be uncollected although their presence may be recorded.                                                                    |                                                                           |                                                          |                                                       |
| De-Selected Material                                                                                                                                                              |                                                                           |                                                          |                                                       |
| Once processed and recorded as appropriate, deselected objects may be assessed for use in handling collections. Otherwise they will be disposed of using the UoL discard service. |                                                                           |                                                          |                                                       |
| Amendments                                                                                                                                                                        |                                                                           |                                                          |                                                       |
| Detail any amendments to the above selection strategy here.                                                                                                                       |                                                                           |                                                          |                                                       |
| Date                                                                                                                                                                              | Amendment                                                                 | Rationale                                                | Stakeholders                                          |
|                                                                                                                                                                                   |                                                                           |                                                          |                                                       |

## APPENDIX 2: Data Management Plan

ULAS adheres to University of Leicester Data Management Policies and Processes. This includes a Data Protection Policy (<https://le.ac.uk/ias>) and IT and Internet Code of Practice <https://le.ac.uk/policies/it>

ULAS data is stored and managed by the University of Leicester which operates a multi-level system, to securely store all ULAS data. All access is via user-level permissions. Permissions are controlled by the ULAS IT officer. There are several levels of University Storage:

- **TEAM COLLABORATION SPACE (Current data):** Encrypted Cloud storage. Only staff with permission can access the various TEAM/SHAREPOINT collaboration spaces available.
- **X drive:** Only accessible to staff with appropriate level permissions. Backups are taken nightly and held for 28 days in a separate building. Monthly backups are also taken and held for 12 months. In the event of a major incident (for example, the loss of a datacentre) it is possible that up to one business days data could be lost.
- **R drive (static/old data):** Only accessible to staff with appropriate level permissions. Only management staff have permissions to alter data in this area. Backups are taken nightly and held for 28 days in a separate building. Monthly backups are also taken and held for 12 months.

This data management plan has been created using current best practice guidelines for digital data:

- ADS Data Management and sharing Plans  
<http://archaeologydataservice.ac.uk/advice/DataManagementPlansADS>
- Guides to good practice <http://guides.archaeologydataservice.ac.uk/g2gp/MainADS>
- Guidelines for Depositors  
<http://archaeologydataservice.ac.uk/advice/guidelinesForDepositorsADS>
- Guidance for the selection of material for deposition and archive  
<http://archaeologydataservice.ac.uk/advice/selectionGuidance.xhtml>

| PROJECT DETAILS                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project Name/Location:</b>                                                                                                                 | Land Opposite Industrial Estate, Hill Lane, Markfield, Leics LE67 9UB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ULAS Job No:</b>                                                                                                                           | 27-505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Accessioning Bodies</b>                                                                                                                    | Leicestershire Museums                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Accession/Event No</b>                                                                                                                     | X.A91.2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>OASIS ID</b>                                                                                                                               | TBC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Project Manager</b>                                                                                                                        | John Thomas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Site Director</b>                                                                                                                          | TBC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Data Manager</b>                                                                                                                           | Mathew Beamish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Site summary</b>                                                                                                                           | Overgrown fields outside village core. Little known archaeology nearby                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Data requirements of Brief, Standards &amp; Guidance, or Recipient archive</b>                                                             | ADS guidelines<br><a href="https://archaeologydataservice.ac.uk/help-guidance/instructions-for-depositors/files-and-metadata/">https://archaeologydataservice.ac.uk/help-guidance/instructions-for-depositors/files-and-metadata/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Data Classification</b>                                                                                                                    | University of Leicester classifications include Highly Restricted, Restricted, Unrestricted & Public.<br>Most archaeological data generated within commercial archaeology will become Public data, but it may need to remain confidential for a period of time depending upon project phase. Most archaeological data will fall into the Unrestricted category unless there are immediate client confidentiality issues in which case the data will be Restricted.                                                                                                                                                                                                                                                                                                                                                                                      |
| Data Collection                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Types of data</b>                                                                                                                          | Project Planning may include a Written Scheme of Investigation (WSI), CAD and GIS files<br>The fieldwork project is likely to include digital photos, survey files and possibly digital recording data. Digital cameras with a minimum 12 megapixels will be used. All digital images will be captured in Jpegs/tiffs or RAW depending on the context.<br>Survey data will be collected using ULAS Differential Global Navigation Satellite System and associated software as well as N4ce software.<br>Post-excavation is likely to include Microsoft Office spreadsheets, Word documents, images, databases, TurboCAD and ARCGIS & QGIS files<br>Finds specialist tables/records will be created using Microsoft Office. Drawings will be produced using TurboCAD and ARCGIS/QGIS<br>The final report will be saved as a Pdfa using Adobe Acrobat DC. |
| <b>What data standards or methodologies will you use?</b>                                                                                     | All projects have a project brief or Written Scheme of Investigation (WSI) and a Selection Strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Data Structure and naming</b>                                                                                                              | File naming structure for all files will be ID_ What it is<br>For example: 2023-01_Final.<br>There will be a clear hierarchy for version control e.g. V1. Only the final version will be retained in the Project Archive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Documentation and Metadata                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>What documentation and metadata will accompany the data?</b>                                                                               | A metadata document will be produced based on the ADS (Archaeology Data Service) guidelines and template for documenting metadata.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ETHICS AND LEGAL COMPLIANCE                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>How will you manage any ethical, copyright and Intellectual Property Rights (IPR) issues?</b>                                              | Where applicable all personal information will be removed prior to the archive deposition. All sensitive data will be restricted to ULAS Managers and will be kept for 5 years prior to being destroyed/removed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Does your project archive include data which requires formal consent to be used or included, and have you gained the required consent?</b> | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Who owns the data?</b>                                                                                                                     | ULAS owns the copyright for the digital data but will sign over rights during the deposition process. ULAS will still retain the right to use images for our own marketing and internal purposes.<br>As part of the deposition a copy of the report will be uploaded onto Oasis with no delay unless the client requests this.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| STORAGE AND BACK-UP                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>How will the data be stored, accessed and backed up during the research?</b>                                                               | Data is downloaded onto external or Cloud servers held and managed by University of Leicester at the end of each day. Digital images will be captured and stored onto an external device and these images will be uploaded onto the server once fieldwork has been completed by the Site Director.<br>Regular backs are done automatically every night and held for 28 days in a separate building. Monthly back-ups are held for 12 months.                                                                                                                                                                                                                                                                                                                                                                                                            |

|                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>How will you control access to keep the data secure?</b>                                                                   | Access to the digital data is via a secured password enabled route using multifactor authentication for external devices. Each collaborator that will be creating or need access to the data will have their own log in.                                                                                                                                                                                                             |
| <b>SELECTION AND PRESERVATION</b>                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Which data should be retained, shared, and/or preserved?</b>                                                               | See Appendix 1: Selection Strategy<br>The retained digital archive will be deposited alongside the physical archive at a local repository once all fieldwork and post excavation work has been completed.                                                                                                                                                                                                                            |
| <b>Where will the digital data elements of the preserved Archaeological Archive be deposited and preserved in perpetuity?</b> | ADS (Core Trust Seal repository)                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>What costs if any will your selected data repository or archive charge?</b>                                                | ADS easy costs: <a href="https://archaeologydataservice.ac.uk/easy/costingCalculator.xhtml">https://archaeologydataservice.ac.uk/easy/costingCalculator.xhtml</a>                                                                                                                                                                                                                                                                    |
| <b>Data Sharing and Accessibility</b>                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Where will the results be shared and how will people find them?</b>                                                        | The final grey literature report will be uploaded onto Oasis and a copy sent to the relevant HER.<br>All sites are published either in summary form in the local journal or as an article/book/monograph if the results warrant it.<br>Any other information/ data sharing will be done via requests from members of the public/local groups/researchers to either ULAS or the final repository.                                     |
| <b>Are any restrictions on data sharing required?</b>                                                                         | None required                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Responsibilities</b>                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Who is responsible for implementing the DMP, and ensuring it is reviewed and revised?</b>                                  | The archives team is responsible for implementing the DMP and ensuring it is reviewed and revised as appropriate as well as metadata production, data archiving and sharing<br>The Site Director is responsible for the capture and quality of the site digital data.<br>Each finds specialist is responsible for the quality of their respective data sets.<br>The ULAS IT officer will be responsible for data storage and backup. |
| <b>Are any restrictions on data sharing required?</b>                                                                         | None required                                                                                                                                                                                                                                                                                                                                                                                                                        |

## APPENDIX 3: ULAS LEAP



## Local Environmental Action Plan

### Action Plan for School of Archaeology & Ancient History (SAAH) including Archaeological Services (ULAS)

By exploring, selecting and prioritising your impacts you have undertaken a **simple materiality assessment** for your department. With a better understanding of your departmental impacts we can suggest actions to include as part of your departmental planning processes. To customise your action plan: Remove any actions not relevant to your department Add custom actions you wish to include Update to include progress made to date (including adding evidence)

#### Energy

##### Your issues

**1 We could do more to ensure equipment is switched off**  
To reach the University's net zero carbon target we all need to work together. Identifying what can and can't be switched off, ensuring it is switched off and proving the reductions can make a huge difference in creating a culture of engagement and giving people confidence to switch off.

##### Your action plan

→ **Identify equipment that can (and cannot) be switched off across the department** *In progress*  
Energy is wasted when it is powering things that are not in use. Adopt a '[traffic light system](#)' to alert building users to the equipment that can and cannot be switched off, giving everyone the confidence to switch off.

**Optimise energy consumption in shared spaces** *Completed*  
Ensuring lighting, AV equipment and computers are switched off when not in use can reduce both energy consumption and neighbourhood light pollution. Use the [Lighting and Equipment Responsibility Plan template](#) to prompt discussions within your department about reducing unnecessary energy consumption.

**Complete an out-of-hours energy survey** *In progress*  
We all 'assume' everyone switches off as they should and the building does what it is supposed to do, but does it? A simple check every few months will easily highlight any issues.

**Remove the use of diesel-powered heating on site, either in welfare units or from site vehicles.** *In progress*  
Encourage all site staff to use the designated site welfare/cabins for heating needs rather than individuals running standing vehicles to provide heat. Offer thermal underwear as part of PPE for site staff. Where there is flexibility in programming fieldwork, consider programming for periods of the year with more daylight and fewer heating requirements.

**Encourage welfare providers to use more eco-friendly fuels** *In progress*  
e.g. bio-diesel

**2 We use energy-intensive equipment**  
By thinking tactically and collaboratively we can work on ways to reduce energy consumption from equipment use.

→ **Understand the energy consumption of your equipment** *In progress*  
Use portable metering to identify the most energy-intensive equipment in order to help inform/target other actions. Contact the Carbon & Energy Team on [utilities-carbon@leicester.ac.uk](mailto:utilities-carbon@leicester.ac.uk) to borrow a portable meter.

**Develop enhanced asset logs to inform equipment replacement programmes** *In progress*  
Expanding existing asset logs to record information on the age, condition, energy consumption etc of the equipment will help to prioritise equipment for replacement/upgrade/removal and provide evidence for business cases. Use the [energy payback calculator](#) to work out the energy cost of existing equipment and any potential replacements.

**Encourage a culture of equipment sharing** *Completed*

Before new equipment/materials are purchased, check if they are on [Kit Catalogue](#) or could be borrowed from elsewhere. Similarly, donate surplus items to any central stores so other departments can make use of them.

**Maintain and regularly test department-owned equipment** *Completed*

Periodic maintenance can avoid the risk of early equipment failure, for example from overworking components. Regular testing ensures equipment is running correctly and not wasting resources.

**Explore opportunities to recover energy** *Completed*

Do you have equipment that can generate energy e.g. exercise bikes, research equipment, heat recovery? How could this be incorporated into daily operations?

**3 We could operate our labs/workshops more efficiently**

Lab equipment can often be very energy intensive, from ultra low temperature freezers, to ovens and extractor hoods. Using equipment efficiently is key to reducing energy use in labs and workshops.

**Review operating temperature of ultra low temperature freezers** *In progress*

Increasing the temperature of ULTs from -80C to -70C can reduce energy consumption by over 25%. Review the operating temperature of each ULT within the department, considering its function and contents. An [international database of biological samples](#) stored long term at -70C offers useful case studies. Further case studies are available in [-70 is the new -80](#)

**Follow freezer management best practice** *Completed*

Use the best practice guidance to implement further actions to reduce the environmental impact of operating cold storage.

**Follow fume cupboard best practice** *Completed*

Use the best practice guidance to implement further actions to reduce the environmental impact of operating fume cupboards.

**4 We could operate our buildings more efficiently**

By simply looking at how we operate and use our space we may find ways to reduce energy consumption.

**Inform Estates and Campus Services about faults that waste energy** *Completed*

Basic repairs can sometimes save significant amounts of energy. Use the [Estates & Campus Services customer portal](#) to report any building issues that are wasting energy.

**Optimise space utilisation** *Completed*

Operating heating, ventilation, lighting and even lab spaces in areas that are sparsely occupied is not an efficient use of space or energy. Review how space is used in your building and look at ways to use it more efficiently.

**Review obsolete features and equipment** *Completed*

Ensure we're not using energy to power services or equipment that are now redundant. Is cooling still provided for equipment that is no longer in use? Can any services be decommissioned?

**5 We could make our staff and students more aware of the energy they are using on campus**

We often take the energy we use for granted and find ourselves in patterns of behaviours that may not be energy efficient. Our goal as a university is to reach net zero carbon emissions by 2040. By raising awareness of energy use, we can change behaviours and make reductions.

**Check your data** *Completed*

Monitoring your energy data will help you to see the impact behaviour change has on consumption in your building(s) and to flag up any issues with lighting, heating and ventilation not performing as it should. Use the [Dynamat portal](#) to access and explore the data available for your building(s).

**Share the University heating policy** *Completed*

Buildings can be used inefficiently if users don't understand the limitations of controls e.g. the heating policy states we aim to heat buildings to 16-21C and do not provide comfort cooling. Managing expectations can be helpful and sharing the [heating and cooling policy](#) will help clarify expectations of building users, operational standards and the reporting procedure. The [accompanying graphic](#) can be displayed on TV screens and used in other communications.

## Travel

### Your issues

**1 We could reduce carbon emissions from work vehicles.**



### Your action plan

**Hybrid or electric work vehicles only** *In progress*

When vehicles are replaced, promote replacement with hybrid/electric vehicles. Consider the relative environmental costs and benefits in terms of embedded carbon between purchasing new vehicles and maintaining existing fleet vehicles. Consider the relative environmental costs between purchasing new vehicles and hiring them. Invest in maintenance of existing vehicle fleet to reduce need to purchase new vehicles, thereby saving on embedded carbon.

**Recorded annual travel/mileage for petrol/diesel company vehicles** *Completed*

Implement a recording system to record mileage of all work vehicles for work-related journeys.

**Meetings and conferencing via conference call/online meeting platform** *Completed*

Actively seek to adopt and implement a platform for remote digital meetings (to include office to office, office to site, office to archaeological advisor). Seek to have the software capability to achieve this (through computers and smart phones). Promote a culture of trust in individuals working from home rather than travelling to offices.

**2 Our staff travel internationally as part of their work e.g. for conferences, research, collaborations**

There are choices to be made when staff decide if/how to travel for business and departments can be instrumental in encouraging sustainable options to be considered.



**Adopt the sustainable travel hierarchy** *Completed*

Encourage staff to use the [travel hierarchy](#) to consider lower carbon options for business travel. You may want to consider making a local agreement, as a department or research group, that sets out your practical interpretation of 'efficient, low carbon travel'.

**Arrange rail travel and flights through the approved travel management company** *Completed*

In order for the University to accurately monitor emissions linked with travel, flights and rail travel should be arranged through the [approved University supplier](#). You can also compare the carbon emissions for different modes of transport using this method. Staff are encouraged to not pay for travel via purchasing card or expenses.

**3 Our staff travel within the UK as part of their work e.g. for meetings, teaching events, site visits, deliveries, collaborations**

There are choices to be made when staff decide if/how to travel for business and departments can be instrumental in encouraging sustainable options to be considered.



**Question the need to travel between buildings and sites** *Completed*

Continued use of virtual meetings, coupled with monitoring of departmental spend on mileage claims will help reduce the emissions from travel whilst saving time and money.

**Promote active and sustainable travel** *Completed*

Consider how you can actively encourage these options to foster a departmental culture of healthy and sustainable travel. See the ['Make positive choices' page](#) for initial information, including cycle parking and shower facilities, and Leicester and Leicestershire's [Choose How You Move](#) programme for further ideas.

**Develop an action plan to reduce the carbon footprint of vehicle use** *Completed*

Consider the utilisation and environmental performance of road vehicles used for departmental operations, including taxis, university-owned, leased, rented and staff-owned vehicles. There may be opportunities to consolidate the vehicle fleet, reduce mileage, shift to low carbon vehicles and introduce energy-efficient driving practices.

**4 Many of our staff and/or students commute to the University from outside Leicester**  
In addition to business travel for work/study purposes, staff and student journeys to and from the University also have an impact.



**Improve understanding of staff and student commuting footprint** **Completed**  
Understanding staff and student travel patterns helps us provide better and more sustainable options. Departments should promote participation in the University's staff and student travel surveys. View [data from the 2022 staff and student travel surveys](#).

**Publicise travel-related staff benefit schemes** **Completed**  
The University offers several schemes that can help staff access discounts on public transport, cycling equipment, electric vehicles and other sustainable modes of transport. See [staff benefits](#) and [Smartgo Leicester](#) pages for further details. Share the [relevant graphic](#) on TV screens and in other communications.

## Purchasing & Resource Consumption

### Your issues

**1 We could make more considered purchasing decisions**  
Consider whether the department really needs the items purchasing. Everything we bring onto campus has an environmental impact - from how it's made, packaged, transported, used and disposed of.



### Your action plan

**Minimise use of disposable items** **In progress**  
Review the single-use items your department relies upon and understand the options that are available for reducing their environmental impact. Ideally aim to eliminate single-use items (e.g. by changing processes or swapping to reusable items); where this isn't possible seek out materials that can be recycled. [Consult the guidance](#).

**Consider the whole lifecycle of purchases** **Completed**  
We buy all the waste we produce when we make purchases. Our energy consumption is also linked to the energy performance of the equipment we have bought. Considering the financial and environmental costs across the whole lifecycle of the things we buy is essential and most staff have a role to play.

**Consult the University's Mandatory Contracts before making a purchase** **Completed**

The [Mandatory Contracts](#) signpost any alternative/reuse options ahead of a new purchase (e.g. Kit Catalogue for laboratory equipment) and take proportionate account of any sustainability risks/benefits relating to the requirement.

**Manage the procurement risks of sub £50k spend** **Completed**  
If you have a planned purchase worth below £50k, which cannot be fulfilled by one of the University's [Mandatory Contracts](#), consider how to take proportionate account of sustainability risks/benefits within the procurement exercise/contract. Consult the University's [Sustainable Procurement Guidance](#), which covers a full range of best practice, from returning packaging to whole life costing. (Support and advice is available from the Procurement Unit/appropriate [Category Manager](#))

**Manage the procurement risks of over £50k spend** **Completed**  
If you have a planned purchase worth £50k+, which cannot be fulfilled by one of the University's [Mandatory Contracts](#), engage the Procurement Unit ([appropriate Category Manager](#)) who are well versed in how to take proportionate account of sustainability risks/benefits within procurement exercises/contracts.

**Ensure suppliers fulfil any sustainability obligations within their contracts** **In progress**  
It is important not to 'let and forget' a contract, including any sustainability requirements, clauses and performance measures. All contracts worth over £25k must have a dedicated Contract Manager. Support and advice is available from the Procurement Unit/appropriate [Category Manager](#) on how to manage a contract, including how to use the [Contract Summary and Contract Review Meeting Agenda templates](#), and any Sustainability Action Plan your supplier might have created through our NETpositive system.

**Reduction in use of plastics (finds bags, sample tubs, marker tags, single-use drinking water bottles) and reuse and recycle Completed**

Reuse all site-work plastic, including sample tubs, finds bags and marker tags. Where necessary allow time and resources to clean used plastic equipment, especially where contamination may be an issue. Invest in reusable water bottles for field staff for personal use. Look at non-plastic alternatives.

**Reduction in reliance on diesel-powered work machines In progress**

Seek to use electric work machines wherever feasible (in terms of cost, availability, and site conditions). Promote and share electric work machine contractors with other archaeological contractors.

**Reduction of machine idling on site Completed**

Encourage developers/groundworks contractors to turn off work machines when not in use. Set environmental performance ground rules for all subcontractors (eg plant hire companies) of which this is one requirement.

**Remove need for any aeroplane/helicopter aerial photography usage by adopting electrically powered drones only. Completed**

Employ drone photography for all aerial photography needs. Remove all engagement with methods requiring aviation fuel. Provide relevant training for staff.

**2 We could improve how we avoid and manage waste**

How we avoid producing waste and how we get rid of waste has a big impact on raw materials and carbon emissions. By reusing and recycling we can reduce these negative impacts.

**Co-locate bins for recyclable and non-recyclable waste Completed**

Having communal bins for recyclable waste and non-recyclable waste side by side makes it easy for waste to be correctly segregated. Ensure all bins are clearly labelled with the [current stickers](#) and the wall sign is displayed. To request stickers/signs, please use the Service Request form on the [Estates & Campus Services customer portal](#).

**Audit your waste Completed**

Arrange an audit of your waste to see how effective segregation is and identify any contamination. This will help target improved [waste management](#). Guidance and templates are available in the [waste audit checklist](#)

**Make disposal a last resort Completed**

Before disposing of items explore whether there are options for donating or repurposing the items. Consult the [University's Guidance for using UniGreen](#) for scientific equipment.

**Reduce printing Completed**

Reduce in-house MFD printing against an agreed baseline for staff printing.

**Reuse scrap paper Completed**

Set up a collection point for scrap paper near printers and/or in shared workspaces (for papers that don't contain any confidential or personal information).

**Implement food waste segregation In progress**

Implement food waste segregation in staff kitchen areas. By segregating this we can send it for specialist disposal, producing biogas that can be used to generate electricity and heat. It also raises awareness of just how much food waste we generate and encourages its reduction. Contact the ECS Service Desk ([ecs-service@le.ac.uk](mailto:ecs-service@le.ac.uk)) for an assessment of whether a food waste bin can be introduced into your area.

**Deal with waste appropriately from fieldwork sites. In progress**

Promote and adopt methods of providing both onsite recycling as per the environmental policy on the Considerate Contractors Scheme. Provide a list within the site manual of what can and cannot be recycled. Apply this to offices, vehicles, site cabins and on site. Discharge this responsibility to the appropriate site manager/supervisor. Provide a means of recyclable waste disposal on site. Obtain a waste carriers' licence and put in place commercial arrangements with recycling companies to accept waste, so that waste generated on site and premises can be disposed of legally.

3 We could do more to reduce paper/printing.



**Remove printers that are not managed Smart Printers** *In progress*

Eliminating the need for printers that aren't part of the managed Smart Printer service can be more cost-effective and reduce consumables and unclaimed printing.

**Digitisation of all future fieldwork recording** *Completed*

To include all fieldwork recording sheets and all on-site illustrations. Initial move to all recording via DiggIt (web/app). Consider the environmental performance of the providers of software, hardware and cloud storage solutions.

**Digital photography only** *Completed*

Remove the need for any physical photography in development archaeology and adopt digital only, while being aware that digital imaging has its own carbon footprint and rigorous archive selection is still required.

## Curriculum & Research

### Your issues

1 We could do more to reduce the impact of project archives.



**Digital archiving** *In progress*

Reduction in paper usage for all postexcavation documents and reports required by LPAs and their advisors for archival submission to a repository to achieve zero physical paper archive generation. Seek to ensure that all born-digital data is archived digitally, and work with, eg, the Society for Museum Archaeology to reduce requirements for the printing of born-digital data for the repository of the physical archive.

**Rigorous selection of finds for the archaeological archive** *Completed*

Adopt the practice set out in the CIFA and Historic England 'Toolkit for Selecting Archaeological Archives' <https://www.archaeologists.net/sel...> for all archive creation. Bring specialists into the field to help with the implementation of effective selection strategies.

2 We could educate and engage our students on sustainability  
Students are increasingly motivated by and engaging with global challenges such as climate action. They are keen to incorporate this within or alongside their discipline of study.



**Map Education for Sustainable Development (ESD) in postgraduate modules** *In progress*

Schools are encouraged to consider ESD opportunities within course content. The sustainability content of UG modules is captured annually through Curriculum Planning, but data is not yet captured for PG modules. Schools can use the [methodology](#) used to capture UG modules and to track PG modules that contain ESD.

**Encourage students to explore sustainability within their taught programme/discipline** *In progress*

Students may be able to undertake projects or dissertations linked to [sustainability topics](#) with real world partners or on campus through the Professional Services teams. For more information, project ideas, contacts or connections please email [esd@le.ac.uk](mailto:esd@le.ac.uk).

**Embed carbon literacy accreditation into taught courses** *In progress*

[Carbon literacy training](#) combines awareness of the carbon impacts of everyday activities and the ability and motivation to reduce emissions. Incorporating carbon literacy within taught courses will help the University in its aim to become a 'Carbon Literate Organisation'.

**Train course reps in carbon literacy** *In progress*

Schools are encouraged to consider ESD opportunities within course content. The sustainability content of UG modules is captured annually through Curriculum Planning, but data is not yet captured for PG modules. Schools can use the [methodology](#) used to capture UG modules and to track PG modules that contain ESD.

**Consider external sustainability accreditations relevant to your department's programmes** *Completed*

The [accreditation schemes](#) can provide good practice ideas specific to your discipline and the external endorsement (e.g. ALBERT partnership) can help to attract sustainability-minded students.

### Enhance your School's alignment to Education for Sustainable Development (ESD) *In progress*

Updated [Subject Benchmark Statements](#) from March 2022 onwards require programmes to consider how their content suitably aligns to ESD. Schools are encouraged to review how they can enhance engagement with ESD in all programmes, particularly within the core curriculum. See the [anti-greenwash education kit](#) for more information.

**3 We could encourage students to make a contribution to sustainability**  
Encouraging students to take advantage of opportunities beyond the formal curriculum allows them to build up the sustainability skills that are important to future employers.



### Promote sustainability focused informal curriculum activities provided by the University *Not started*

There are a range of ways that students can engage with sustainability, including projects, volunteering and placements. Programmes such as [SEED](#), [Sustainability Network](#) and [carbon literacy](#) are suitable for all students. The [SU Volunteering Hub](#) also provides volunteering opportunities for students.

### Promote opportunities to link sustainability to employability and careers activity *Not started*

The interdisciplinary Sustainability Enterprise Partnership Project (SEPP) module provides an opportunity for students to develop professional skills through engaging with sustainability. Consider whether your programme could offer [SEPP](#) as an optional module. Please email [esd@le.ac.uk](mailto:esd@le.ac.uk) to discuss.

### Encourage students to take part in the annual NUS sustainability skills survey *Not started*

This [national survey](#) gathers insight into students' aspirations towards learning about sustainability and expectations of their place of study. By encouraging our students to take part we gain access to [Leicester-specific results](#) and gather valuable data for practitioners.

## Advocacy

### Your issues

**1 We could raise awareness of sustainability with our staff and students**  
Becoming familiar with the breadth of sustainability and existing activities at Leicester helps to identify opportunities to get involved and to further sustainability at Leicester.



### Your action plan

### Raise the profile of the UN Sustainable Development Goals *In progress*

Have a look at [A Guide to the Sustainable Development Goals](#) and the [SDGs at Leicester report](#) to get an idea of how many opportunities there are to make a positive impact. Consider mapping the SDGs to your department's work (using the keywords in the guide) and then contributing information or case studies to the next bi-annual SDG report.

### Provide information to students (and prospective students) about how sustainability is included in their curriculum *Not started*

Providing information about how and where sustainability is part of your taught programmes is important (see [Law workshop case study](#)). Links to sustainability in relation to appropriate professional bodies may also be useful to include. Consider providing information to students as part of induction processes, through course reps and on course/module webpages.

### Incorporate sustainability within staff inductions *In progress*

Make sustainability a clear part of new starters' experience of working at Leicester. View [example information to include within your local induction](#)

### Promote employee volunteering opportunities with the Gardens and Grounds team *In progress*

Make a contribution to the biodiversity of our outdoor spaces by volunteering at the [Coppice Woodland Walk](#) or Botanic Garden, supporting the [Hedgehog Friendly Campus](#) accreditation or holding an Away Day at the Botanic Garden. Contact the Gardens and Grounds team ([ecs-service@le.ac.uk](mailto:ecs-service@le.ac.uk)) for further details.