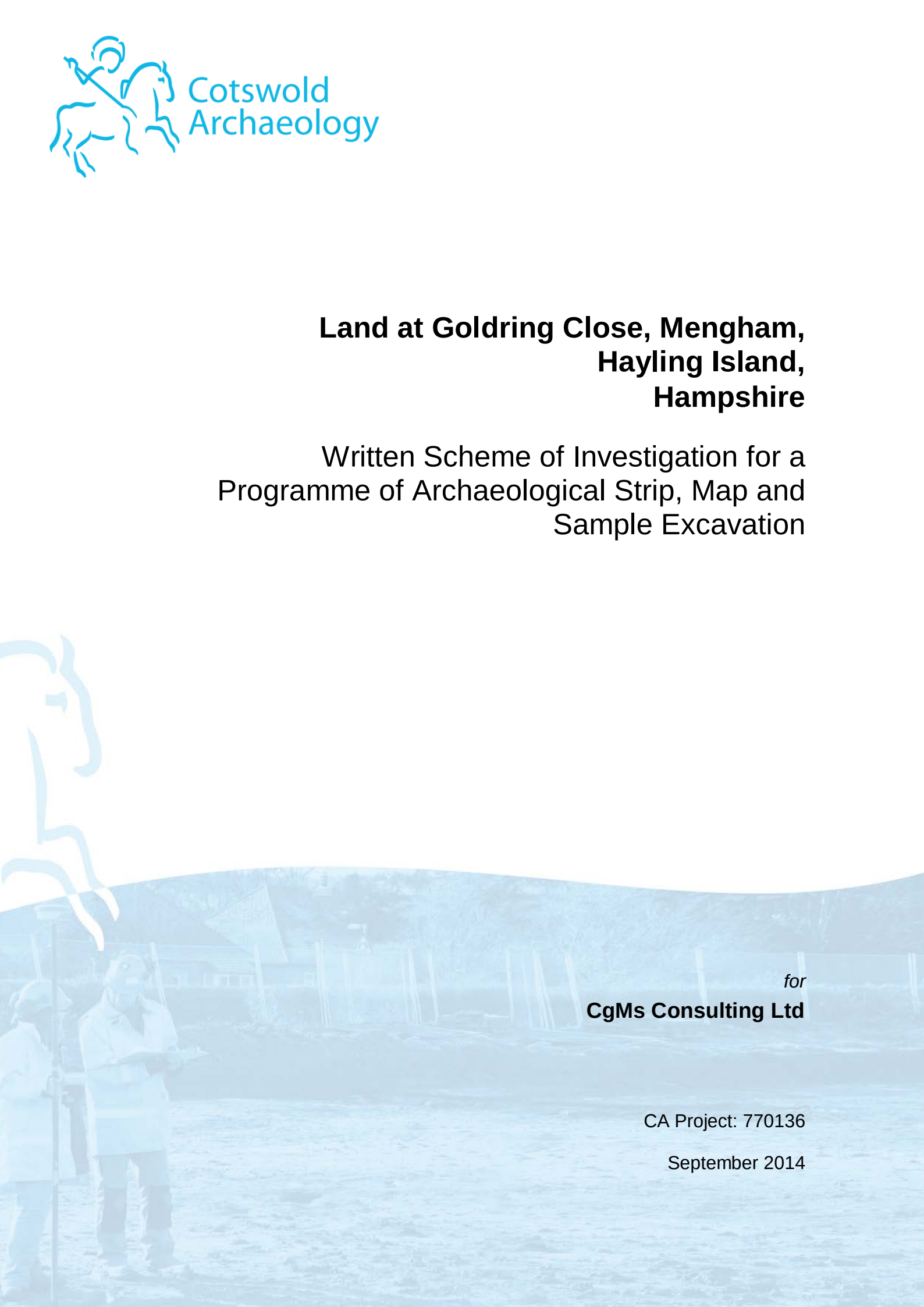


**Land at Goldring Close, Mengham,
Hayling Island,
Hampshire**

Written Scheme of Investigation for a
Programme of Archaeological Strip, Map and
Sample Excavation



for
CgMs Consulting Ltd

CA Project: 770136

September 2014

Land at Goldring Close, Mengham, Hayling Island, Hampshire

Written Scheme of Investigation for a Programme of Archaeological Strip, Map and Sample Excavation

CA Project: 770136

prepared by	Matt Nicholl
date	17.09.14
approved by	Richard Greateorex
signed	
date	17.09.14
issue	01

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Cirencester Building 11 Kemble Enterprise Park Kemble, Cirencester Gloucestershire, GL7 6BQ t. 01285 771022 f. 01285 771033	Milton Keynes Unit 4 Cromwell Business Centre Howard Way, Newport Pagnell MK16 9QS t. 01908 218320	Andover Stanley House Walworth Road Andover, Hampshire SP10 5LH t. 01264 347630
e. enquiries@cotswoldarchaeology.co.uk		

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FIGURE 1 SITE AND TRENCH LOCATION PLAN

1. INTRODUCTION

- 1.1 This document sets out details of a *Written Scheme of Investigation* (WSI) by Cotswold Archaeology (CA) for a programme of archaeological strip, map and sample excavation of land at Goldring Close, Mengham, Hayling Island, Hampshire, PO11 9PX centred on National Grid Reference (NGR) 472503 099444 (hereafter referred to as the Site; see **Figure 1**), at the request of CgMs Consulting acting on behalf of Taylor Wimpey Southern Counties.
- 1.2 Planning consent has been granted for the construction of a new residential development with drainage and associated works. In accordance with national legislation and local planning policies, and following a desk-based assessment of the Site (which identified a moderate to high potential for archaeology to survive within the development footprint: CgMs 2012), the Senior Archaeologist at Hampshire County Council requested further works by means of evaluation trenching so that informed decisions could be made regarding the scope of any further mitigation that may be needed before or during the development. The evaluation formed the first phase of intrusive archaeological works on the Site, and consisted of the machine excavation of 30 no. evaluation trenches each measuring 30m x 2m wide, representing a 4% sample of the proposed development area (Wessex Archaeology 2014). On the instruction of the Senior Archaeologist at Hampshire County Council (HCC), two further 10m long trenches were excavated as a contingency.
- 1.3 The excavation will be carried out in accordance with a requirement for a targeted archaeological strip, map and sample excavation (five areas) issued by Hannah Fluck, Senior Archaeologist for HCC, the archaeological advisor to Havant Borough Council (HBC), and with this WSI. The fieldwork will also follow the *Standard and Guidance for Archaeological Field Evaluation* (IfA 2009), the *Management of Archaeological Projects* (English Heritage 1991) and the *Management of Research Projects in the Historic Environment (MORPHE): Project Manager's Guide* (English Heritage 2006).

The site

- 1.4 The Site lies within the administrative boundary of HBC, and is positioned near the centre of Mengham, on Hayling Island, Hampshire (**Figure 1**). It is bounded to the north by residential properties fronting Hawthorne Grove, and further residential properties to the south and south-west along St Margaret's and Goldring Close.
- 1.5 The Site is approximately 4.3 hectares, and consists of two large fields which are sub-divided into a number of smaller paddocks. The external boundaries of the fields comprise trees or large hedgerows, with chain link or lightweight fencing forming internal divisions within the Site.
- 1.6 The Site is largely flat, although it slopes very gently to the east and south-east where water runs into estuaries forming part of Chichester Harbour. At the north-west end, the Site lies at an elevation of approximately 5.85m above Ordnance Datum (aOD) before dropping to 5m aOD towards the centre, and then falling to 4.56m aOD in the south-east of the Site.
- 1.7 The solid geology of the Site is London Clay Formation, comprising clay, silt, and sand deposits (British Geological Survey; Sheet 331:Portsmouth). The drift geology underlying the Site is identified as River Terrace Deposits comprising sand, silt and clay.
- 1.8 A Ground Investigations Report (Ground Investigations Soils Ltd. 2012) has been undertaken and comprised the excavation of eighteen trial pits, excavated to a maximum depth of 2.20m. Topsoil measuring between 0.05m to 0.4m thick was recorded, overlying River Terrace Deposits, and although variable, generally comprised orange brown to grey brown mottled sandy gravelly clay.

Archaeological background

- 1.9 The archaeological background of the Site has previously been considered in a Desk-Based Assessment (CgMs 2012). The findings of the DBA are summarised below.
- 1.10 Although outside of the immediate environs of the Site, results from a survey of Langstone Harbour on the eastern side of Hayling Island were also considered given the similarities between both Langstone and Chichester Harbour.

- 1.12 No designated heritage assets were recorded within the Site itself.
- 1.13 Tournier Bury Iron Age hillfort (Monument No. 462185) is located approximately 750m to the north-east of the Site, and comprises a univallate oval camp, enclosing an area measuring 3.4ha in extent.
- 1.14 The majority of the find spots identified within the immediate environs of the Site date to the prehistoric and Romano-British periods, although few modern archaeological investigations have been undertaken within the area.
- 1.15 Although no Mesolithic activity has been recorded within the Site or the immediate environs of the Site, flint scatters at or below the present tide level have been recorded along the Hampshire coastline. The material collected suggests extensive exploitation of former dry land, rather than the coastal zone, and detailed survey and artefact collection on the foreshore at Langstone Harbour indicated the original presence of numerous small Mesolithic and later scatters (Allen and Gardiner 2000).
- 1.16 The Hampshire Archaeology and Historic Buildings Record (AHBR) has indicated Bronze Age activity to the west of the Site at Elm Grove, possibly suggesting settlement in the area. Bronze Age activity is known more widely on Hayling Island in the form of barrows, bronze axe hoards and flint scatters.
- 1.17 Although the Scheduled Tournier Bury Hillfort to the north-east of the Site indicates a level of settlement and organisation of this area during the Iron Age, there is little other recorded evidence dating to the Iron Age in the vicinity of the Site. The archaeological assessment highlighted that during the Roman period there was some level of settlement immediately to the south of the Site, as well as Roman activity in the vicinity of Tournier Bury Hillfort.
- 1.18 The recent trial trench evaluation identified two postholes, one Romano-British and the other medieval, a modern field boundary, and the remains of a possible unurned cremation burial. A number of undated linear gullies and ditches were also identified, and together suggested there was evidence of multi-period activity of a dispersed nature within the Site (WA 2014).

Archaeological objectives

1.19 The objectives of the excavation:

- to monitor groundworks, and to identify, investigate and record all significant buried archaeological deposits revealed on the site during the course of the development groundwork.
- specific aims will be to try and identify the nature and date of archaeological features previously identified, in particular those of Romano-British and medieval date which may help to clarify and enhance the material recovered during the evaluation.
- To clarify whether any features identified are associated with concentrated settlement or, as seems more likely, linked with peripheral, isolated activity.
- a further objective will be to establish whether there is evidence of a cremation cemetery and if so what period it might belong to.
- at the conclusion of the project, to produce an integrated archive for the project work and a report setting out the results of the project and the archaeological conclusions that can be drawn from the recorded data.

Methodology

1.20 The archaeological works will comprise the five excavation areas as indicated on **Figure 1**. The Excavation areas, (subject to the approval of the Senior Archaeologist for HCC, Hannah Fluck), may have to be reviewed as a result of site logistics or the presence of services. Dependent on what level of remains is revealed as the area strips progress, areas may be extended to chase archaeology in order to help fully map and characterise (through further sampling) the archaeological resource. The excavation areas will be set out on OS National Grid co-ordinates using Leica GPS and surveyed in accordance with CA Technical Manual 4 *Survey Manual* (2012).

1.21 The excavation areas will be excavated by mechanical excavator equipped with a toothless grading bucket. All machine excavation will be undertaken under constant

archaeological supervision to the top of the first significant archaeological horizon or the natural substrate, whichever is encountered first. Where archaeological deposits are encountered they will be excavated by hand in accordance with CA Technical Manual 1: *Fieldwork Recording Manual* (2007).

- 1.22 Deposits will be assessed for their palaeo-environmental potential in accordance with CA Technical Manual 2: *The Taking and Processing of Environmental and Other Samples from Archaeological Sites* (2003), however, no deposits were identified that required sampling. All artefacts recovered were processed in accordance with Technical Manual 3 *Treatment of Finds Immediately after Excavation* (1995).
- 1.23 The archive and artefacts from the programme of works will be held by CA at their offices in Kemble and Andover. Subject to the agreement of the legal landowner the artefacts will be deposited with Hampshire Museum Services under accession number (TBC), along with the site archive. A summary of information from this project, set out within Appendix C, will be entered onto the OASIS online database of archaeological projects in Britain.
- 1.24 Sample excavation of features will be in accordance with HCC sampling requirements and will be agreed with HCC prior to the commencement of fieldwork.
- 1.25 Artefacts from topsoil and subsoil and un-stratified contexts will normally be noted but not retained unless they are of intrinsic interest (e.g. worked flint or flint debitage, featured pottery sherds, and other potential 'registered artefacts'). All artefacts will be collected from stratified excavated contexts except for large assemblages of post-medieval or modern material. Such material may be noted and not retained, or, if appropriate, a representative sample may be collected and retained.
- 1.26 Where human remains are encountered and excavation is required, this will be conducted following the provisions of the Coroners Unit in the Ministry of Justice.
- 1.27 Due care will be taken to identify deposits which may have environmental potential, and where appropriate, a programme of environmental sampling will be initiated. Samples will be taken, processed and assessed for potential in accordance with Technical Manual 2 *The Taking and Processing of Environmental and Other Samples from Archaeological Sites* (CA 2003).

- 1.28 CA will comply fully with the provisions of the Treasure Act 1996 and the Code of Practice referred to therein.

2. STAFF AND TIMETABLE

- 2.1 This project will be under the management of Richard Greated, MfA, Principal Fieldwork Manager, CA (Andover Office).
- 2.2 The staffing structure will be organised thus: the Project Manager will direct the overall conduct of the evaluation as required during the period of fieldwork. Day to day responsibility however will rest with the Project Leader who will be on-site throughout the project.
- 2.3 The field team will consist of a maximum of 2 staff (e.g. 1 Project Officer; and 1 Archaeologist).
- 2.4 It is envisaged that the project will require approximately five days fieldwork. Analysis of the results and subsequent reporting will take up to a further three months.
- 2.5 Specialists who will be invited to provide advice and report on specific aspects of the project as necessary are:

Ceramics	Ed McSloy (CA)
Metalwork	Ed McSloy (CA)
Flint	Ed McSloy (CA)
Animal Bone	Dr Philip Armitage (freelance)
Human Bone	Dr Annsofie Witkin (freelance)
Environmental Remains	Sarah Cobain (CA)
Conservation	Wiltshire Conservation Service
Geoarchaeology	Dr Keith Wilkinson (ARCA)

- 2.6 Depending upon the nature of the deposits and artefacts encountered it may be necessary to consult other specialists not listed here. A full list of specialists currently used by Cotswold Archaeology is contained within Appendix A.

3. POST-EXCAVATION, ARCHIVING AND REPORTING

- 3.1 Following completion of fieldwork, all artefacts and environmental samples will be processed, assessed, conserved and packaged in accordance with CA Technical Manuals and Hampshire Museum Service guidelines.
- 3.2 An illustrated report will be compiled on the results of the fieldwork and assessment of the artefacts, palaeoenvironmental samples etc. Copies of the report will be distributed to CgMs, the HCC HER and HBC.
- 3.3 Should no further work be required, an ordered, indexed, and internally consistent site archive will be prepared and deposited in accordance with *Archaeological Archives: A Guide to Best Practice in Creation, Compilation, Transfer and Curation* (Archaeological Archives Forum 2007).
- 3.4 As the limited scope of this work is likely to restrict its publication value, it is anticipated that a short publication note only will be produced, suitable for inclusion within Hampshire Studies. A summary of information from the project will also be entered onto the OASIS online database of archaeological projects in Britain.
- 3.5 CA will make arrangements with Hampshire Museum's Service for the deposition of the site archive and, subject to agreement with the legal landowner(s), the artefact collection.

4. HEALTH AND SAFETY

- 4.1 CA will conduct all works in accordance with the Health and Safety at Work Act 1974 and all subsequent Health and Safety legislation, CA Health, Safety and Welfare Policy (2013) and procedures. A risk assessment will be undertaken prior to commencement of fieldwork.

5. INSURANCES

- 5.1 CA holds Public Liability Insurance to a limit of £10,000,000 and Professional Indemnity Insurance to a limit of £5,000,000.

6. MONITORING

- 6.1 Notification of the start of site works will be made to the Senior Archaeologist for HCC, archaeological advisor to HBO, so that there will be opportunities to visit the evaluation and check on the quality and progress of the work.

7. QUALITY ASSURANCE

- 7.1 CA is a Registered Organisation (RO) with the Institute for Archaeologists (RO Ref. No. 8). As a RO, CA endorses the *Code of Conduct* (IfA 2010) and the *Code of Approved Practice for the Regulation of Contractual Arrangements in Field Archaeology* (IfA 2009). All CA Project Managers and Project Officers hold either full Member or Associate status within the IfA.
- 7.2 CA operates an internal quality assurance system in the following manner. Projects are overseen by a Project Manager who is responsible for the quality of the project. The Project Manager reports to the Chief Executive who bears ultimate responsibility for the conduct of all CA operations. Matters of policy and corporate strategy are determined by the Board of Directors, and in cases of dispute recourse may be made to the Chairman of the Board.

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APPENDIX A: COTSWOLD ARCHAEOLOGY SPECIALISTS

Ceramics

Neolithic/Bronze Age	Ed McSloy (CA) Dr Elaine Morris (University of Southampton) Ros Cleal (freelance)
Iron Age/Roman (Samian) (Amphorae stamps)	Ed McSloy (CA) Peter Webster (freelance) David Williams (freelance)
Anglo-Saxon	Paul Blinkhorn (freelance) Jane Timby (freelance)
Medieval/post-medieval (Clay pipe)	Ed McSloy (CA) Duncan Brown (freelance) Reg Jackson (freelance)
Ceramic Building Material	Ed McSloy (CA) Phil Mills (freelance) Sandra Garside-Neville (freelance)

Other Finds

Small Finds	Ed McSloy (CA)
Lithics (Palaeolithic)	Ed McSloy (CA) Phil Harding, Wessex Archaeology
Worked Stone	Fiona Roe (freelance)
Inscriptions	Roger Tomlin (Oxford)
Glass	Ed McSloy (CA) Hilary Cool (freelance) David Dungworth (English Heritage)
Coins	Ed McSloy (CA) Dr Peter Guest (Cardiff University) Richard Reece (freelance)
Leather	Quita Mould (freelance)
Textiles	Penelope Walton Rogers (freelance)
Iron slag/metal technology	Dr Tim Young (Cardiff University) Dr David Dungworth (English Heritage)

Biological Remains

Animal bone	Jonny Geber (CA)
Human Bone (Cremations)	Jonny Geber (CA) Jackie McKinley (Wessex Archaeology)
Environmental sampling	Sarah Cobain (CA) Dr Keith Wilkinson (ARCA)
Pollen	Nick Daffern (WHEAS)
Diatoms	Nigel Cameron (UCL)
Charred Plant Remains	Wendy Carruthers (freelance) Liz Pearson (WHEAS)
Wood/Charcoal	Dana Challinor (freelance)

Insects	David Smith (Birmingham University) QUEST (Reading University)
Mollusca	Dr Keith Wilkinson (ARCA)
Fish bones	Hannah Russ (freelance) Philip Armitage
Geoarchaeology	Dr Keith Wilkinson (ARCA)
Scientific Dating	
Dendrochronology	Cathy Groves (ARCUS) Robert Howard (NTRDL Nottingham)
Radiocarbon dating	University of Waikato (New Zealand) Beta Analytic (USA) Rafter (New Zealand)
Archaeomagnetic dating	Don Tarling (Plymouth)
TL/OSL Dating	Phil Toms (University of Gloucestershire)
Conservation	Wiltshire Conservation Services

APPENDIX B: ARCHAEOLOGICAL STANDARDS AND GUIDELINES

- AAF 2007 *Archaeological Archives. A guide to best practice in creation, compilation, transfer and curation*. Archaeological Archives Forum
- AAI&S 1988 *The Illustration of Lithic Artifacts: A guide to drawing stone tools for specialist reports*. Association of Archaeological Illustrators and Surveyors Paper 9
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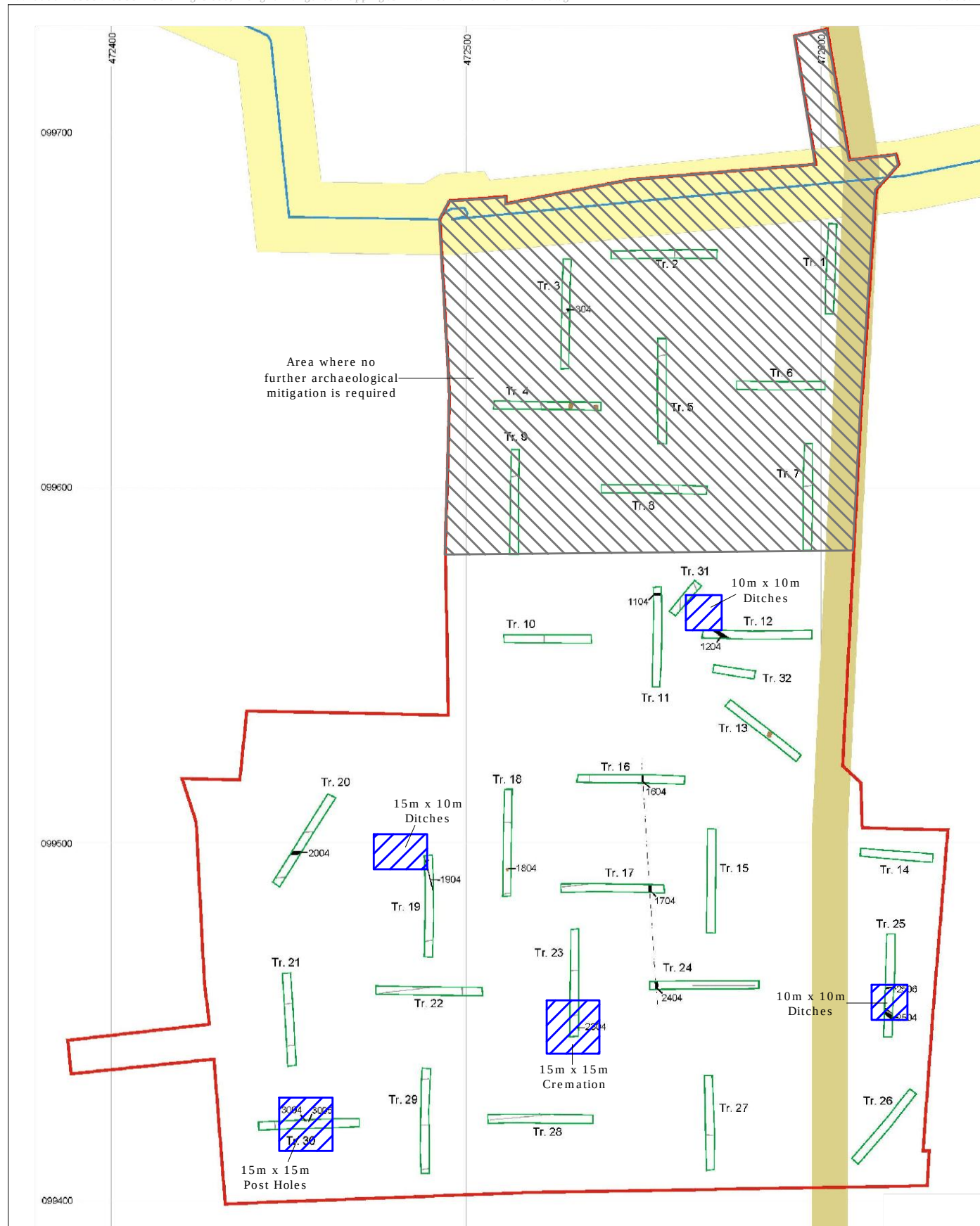
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- Site Boundary
- Previously Excavated Trenches
- Proposed Trench Location
- No Mitigation Required



Scale at A4: 1:1500

0 50 m

Proposed Mitigation Plan