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ARCHAEOLOGICAL EVALUATION REPORT

SCCAS REPORT No. 2009/196

East Bergholt Children's Centre EBG Misc.

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HER Information

Planning Application No: n/a

Date of Fieldwork: 14 July 2009

Grid Reference: TM 0684 3514

Funding Body: Suffolk County Council

Curatorial Officer: Dr Jess Tipper

Project Officer: M. Sommers

Oasis Reference: suffolkc1-62049

Digital report submitted to Archaeological Data Service:
<http://ads.ahds.ac.uk/catalogue/library/greylit>

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Summary

An archaeological evaluation was carried out on land at East Bergholt Primary School in advance of the construction of a Children's Centre. Two trenches with a combined length of 28m were excavated down to the top of the natural subsoil but no archaeological features or artefacts of any period were identified. The natural subsoil consisted of a pale yellow sand with silt and occurred at a depth of c. 300mm (Suffolk County Council Archaeological Service for Suffolk County Council, Children and Young People's Services).

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1. Introduction

The construction of a Children's Centre has been proposed for land attached to the East Bergholt Primary School, Hadleigh Road, East Bergholt. The Planning Authority were advised that any consent should be conditional upon an agreed programme of archaeological work taking place prior to the commencement of the development.

The first stage of the programme of work, as specified in the Brief and Specification produced by Dr. J. Tipper, of the Suffolk County Council Conservation Team, (Appendix 1) is the undertaking of a trenched evaluation in order to ascertain what levels of archaeological evidence may be present within the development area and to inform any mitigation strategies that may be deemed necessary.

The site is located in part of the primary school playing field and the adjacent caretakers house and garden (to be demolished as part of this development). The National Grid Reference for the approximate centre of the proposed development area is TM 0684 3514 (Fig. 1).

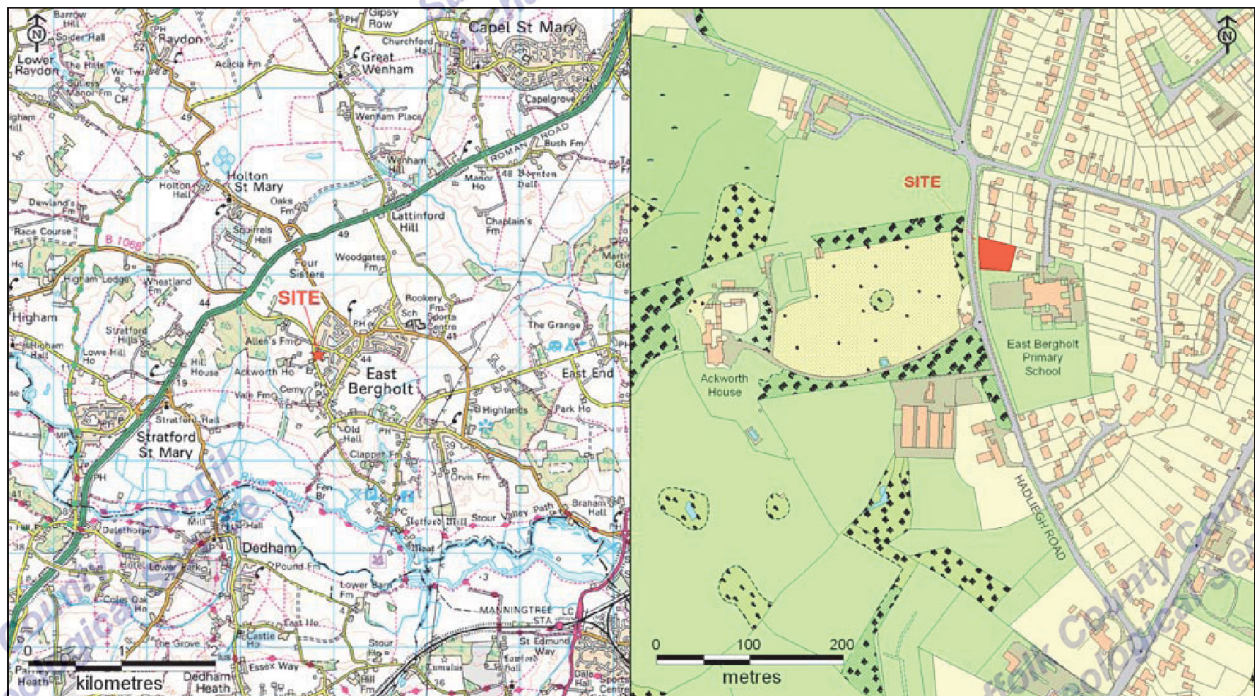


Figure 1. Location Plan

The archaeological evaluation was undertaken by Suffolk County Council Archaeological Service's Field Team who were commissioned and funded by Suffolk County Council's Children and Young People's Service

2. Geology and topography

The site is situated upon a level plateau that overlooks the Stour Valley to the south. It is in an area of relatively modern development on the western edge of East Bergholt in what were presumably open fields in the recent past.

The geology comprises mixed glacial till overlain by surface layers of fine-grained loess of variable thickness.

3. Archaeological and historical background

There are no known sites recorded on the County Historic Environment Record within the development area although there is a record of Roman cremation urns and burials being discovered in 1838 during the construction of Ackworth House (HER ref. EBG 009), which is situated 300m to the west.

The development area lies outside the probable medieval core of East Bergholt which appears to be centred on the parish church, located 700m to the south, and along Gaston Street with a possible secondary focus at Gaston End, some 650m to the northeast of the site.

It is the possible presence of Roman burials and/or occupation within the development area that has led to the call for archaeological work prior to development.

4. Methodology

Trial trenches were machine excavated down to the level of the natural subsoil using the back arm of JCB type wheeled excavator fitted with a 1.6m wide toothless ditching bucket. The trenches were excavated in accordance with an approved plan.

The machining of the trenches was closely observed throughout in order to identify archaeological features and deposits and to recover any artefacts that may be revealed. Excavation continued until the undisturbed natural subsoil was encountered, the exposed surface of which was then examined for cut features or deposits. Had any features/deposits been noted they would have been sampled through hand excavation in order to determine their depth and shape and to recover datable artefacts.

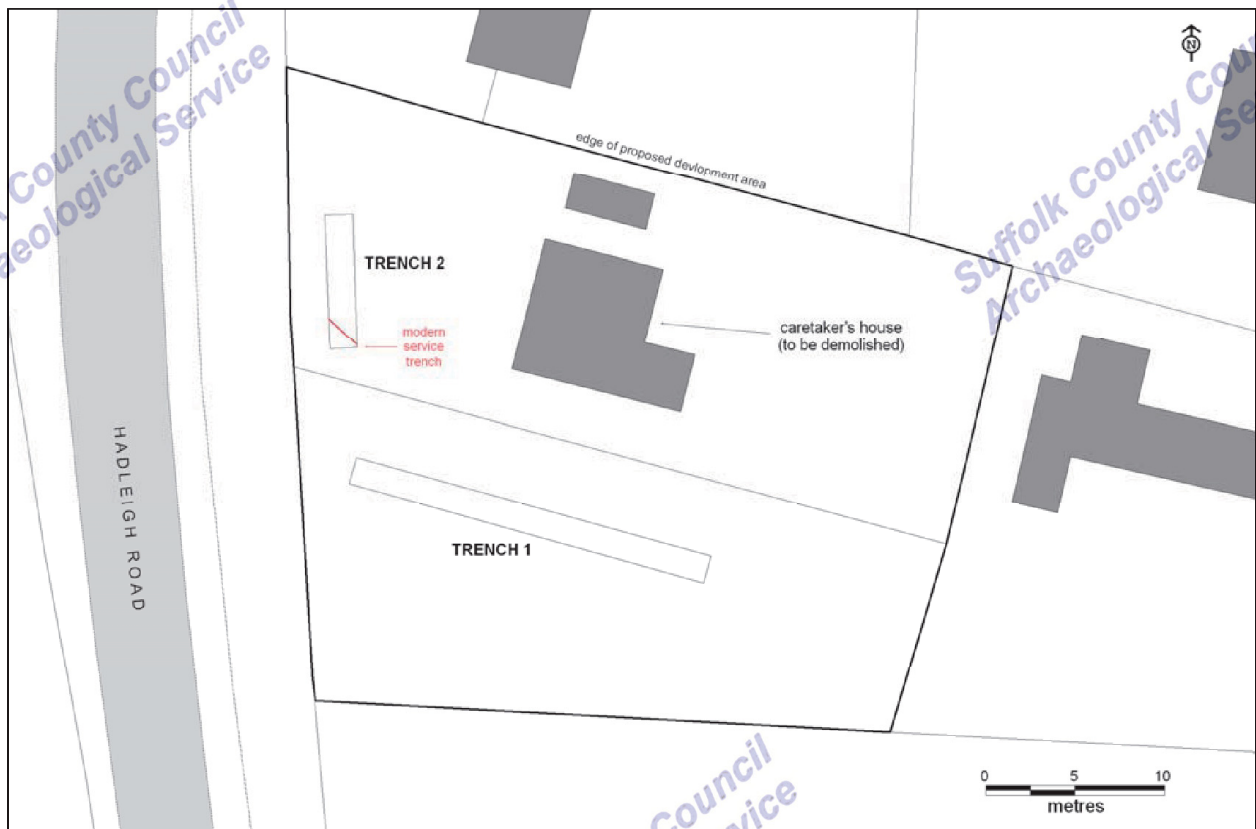
Following excavation the nature of the overburden was recorded, the trench locations were plotted and their depths were noted. A brief photographic record of the work undertaken was also compiled using a 10 megapixel digital camera.

5. Results

Two trenches with combined length of 28m were excavated across the proposed development area (Fig. 2). These were numbered 1 and 2 and were positioned in accordance with the approved trench plan. All revealed a natural subsoil of fine, pale yellow sand and silt at a depth of 300mm (Plate I). The overburden comprised a light sandy top soil within which were infrequent small abraded fragments of brick or tile. The topsoil lay directly on the surface of the natural subsoil and the interface between the two was blurred and irregular.

No significant archaeological features or deposits were noted in either of the trenches and no artefacts were recovered from the resultant spoil.

A modern cut was noted in the southern end of Trench 2 which presumably carried a service to the caretaker's house. It appeared to be heading towards a gas meter box mounted on the southwest corner of the house.



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Figure 2. Trench Plan (as excavated)

6. Finds and environmental evidence

No environmental evidence and no artefacts were recovered during this evaluation.

7. Discussion

No evidence for early activity was recovered from the excavated trenches. All were cleanly cut and had any features or deposits been present it is highly likely they would have been identified.

Based on the absence of evidence from the excavated trenches no large scale occupation or activity has been centred within the development area. This does not entirely preclude the possibility that some small isolated features could occur outside the actual trenches but given the complete absence of early artefacts recovered during the evaluation this would seem unlikely.

8. Conclusions and recommendations for further work

The only conclusion that can be drawn is that it is unlikely that any significant archaeological deposits or features are under threat from the proposed development and consequently no further work is recommended.

9. Archive deposition

Paper archive: T:\ENV\ARC\PARISH\East Bergholt\2009-196 Children's Centre)

Photo Archive: GBS 84 – GBS 90 in T:\ENV\ARC\MSWORKS3\Digital photos\GBS

10. List of contributors and acknowledgements

The evaluation was carried out by M. Sommers and D. Allan from Suffolk County Council Archaeological Service, Field Team.

The project was directed by M. Sommers, and managed by Rhodri Gardner, who also provided advice during the production of the report. The final report was checked by John Newman.

Plates



Plate I. soil profile as revealed in southern face of Trench 1 (ref. GBS 84)



Plate II. view of Trench 1 with caretaker's house to the north

Disclaimer

Any opinions expressed in this report about the need for further archaeological work are those of the Field Projects Team alone. Ultimately the need for further work will be determined by the Local Planning Authority and its Archaeological Advisors when a planning application is registered. Suffolk County Council's archaeological contracting services cannot accept responsibility for inconvenience caused to the clients should the Planning Authority take a different view to that expressed in the report.

Appendix 1 Brief and specification

Brief and Specification for Trenched Evaluation

EAST BERGHOLT PRIMARY SCHOOL, HADLEIGH ROAD,
EAST BERGHOLT, SUFFOLK

The commissioning body should be aware that it may have Health & Safety responsibilities.

1. The nature of the development and archaeological requirements

- 1.1 Planning permission for the erection of a new Children's Centre at East Bergholt Primary School, Hadleigh Road, East Bergholt, Suffolk (TM 0684 3514) is to be sought by Suffolk County Council (see attached plan).
- 1.2 The Planning Authority has been advised that any consent should be conditional upon an agreed programme of work taking place before development begins (PPG 16, paragraph 30 condition).
- 1.3 The proposed development area is located above the valley of the River Stour, on Aeolian and glaciofluvial drift (deep loam) at c. 41.00m AOD. The area of the new development measures c. 1,100 m².
- 1.4 This site lies in an area of archaeological importance, recorded in the County Historic Environment Record, to the east of a Roman cremation cemetery (HER no. EBG 009). There is a strong possibility that Roman occupation deposits will be encountered at this location. Any groundworks works causing significant ground disturbance have the potential to damage any archaeological deposit that exists.
- 1.5 A linear trenched evaluation is required of the development area, before any groundworks take place. The results of this evaluation will enable the archaeological resource, both in quality and extent, to be accurately quantified, informing both development methodologies and mitigation measures. Decisions on the need for, and scope of, any further work should there be any archaeological finds of significance will be based upon the results of the evaluation and will be the subject of an additional brief.
- 1.6 All arrangements for the field evaluation of the site, the timing of the work, access to the site, the definition of the precise area of landholding and area for proposed development are to be defined and negotiated with the commissioning body.
- 1.7 Detailed standards, information and advice to supplement this brief are to be found in *Standards for Field Archaeology in the East of England*, East Anglian Archaeology Occasional Papers 14, 2003.
- 1.8 In accordance with the standards and guidance produced by the Institute of Field Archaeologists this brief should not be considered sufficient to enable the total execution of the project. A Written Scheme of Investigation (WSI) based upon this brief and the accompanying outline specification of minimum requirements, is an essential requirement. This must be submitted by the developers, or their agent, to the Conservation Team of the Archaeological Service of Suffolk County Council (Shire Hall, Bury St Edmunds IP33 2AR; telephone/fax: 01284 352443) for approval. The work must not commence until this office has approved both the archaeological contractor as suitable to undertake the work, and the WSI as satisfactory. The WSI will provide the basis for measurable standards and will be used to satisfy the requirements of the planning condition.
- 1.9 Before any archaeological site work can commence it is the responsibility of the developer to provide the archaeological contractor with either the contaminated land report for the site or a written statement that there is no contamination. The developer should be aware that investigative sampling to test for contamination is likely to have an impact on any archaeological deposit which exists; proposals for sampling should be discussed with the Conservation Team of the Archaeological Service of SCC (SCCAS/CT) before execution.
- 1.10 The responsibility for identifying any constraints on field-work, e.g. Scheduled Monument status, Listed Building status, public utilities or other services, tree preservation orders, SSSIs, wildlife sites &c., ecological considerations rests with the commissioning body and its archaeological contractor. The existence and content of the archaeological brief does not over-ride such constraints or imply that the target area is freely available.

- 1.11 Any changes to the specifications that the project archaeologist may wish to make after approval by this office should be communicated directly to SCCAS/CT and the client for approval.

2. Brief for the Archaeological Evaluation

- 2.1 Establish whether any archaeological deposit exists in the area, with particular regard to any which are of sufficient importance to merit preservation *in situ* [at the discretion of the developer].
- 2.2 Identify the date, approximate form and purpose of any archaeological deposit within the application area, together with its likely extent, localised depth and quality of preservation.
- 2.3 Evaluate the likely impact of past land uses, and the possible presence of masking colluvial/alluvial deposits.
- 2.4 Establish the potential for the survival of environmental evidence.
- 2.5 Provide sufficient information to construct an archaeological conservation strategy, dealing with preservation, the recording of archaeological deposits, working practices, timetables and orders of cost.
- 2.6 This project will be carried through in a manner broadly consistent with English Heritage's *Management of Archaeological Projects*, 1991 (MAP2), all stages will follow a process of assessment and justification before proceeding to the next phase of the project. Field evaluation is to be followed by the preparation of a full archive, and an assessment of potential. Any further excavation required as mitigation is to be followed by the preparation of a full archive, and an assessment of potential, analysis and final report preparation may follow. Each stage will be the subject of a further brief and updated project design; this document covers only the evaluation stage.
- 2.7 The developer or his archaeologist will give SCCAS/CT (address as above) five working days notice of the commencement of ground works on the site, in order that the work of the archaeological contractor may be monitored.
- 2.8 If the approved evaluation design is not carried through in its entirety (particularly in the instance of trenching being incomplete) the evaluation report may be rejected. Alternatively the presence of an archaeological deposit may be presumed, and untested areas included on this basis when defining the final mitigation strategy.
- 2.9 An outline specification, which defines certain minimum criteria, is set out below.

3. Specification: Field Evaluation

- 3.1 Trial trenches are to be excavated to cover 5% by area of the new development, which measures c. 55.00m². These shall be positioned to sample all parts of the site. Linear trenches are thought to be the most appropriate sampling method. Trenches are to be a minimum of 1.80m wide unless special circumstances can be demonstrated; this will result in a minimum of 30.00m of trenching in total at 1.80m in width. The exact area and extent of the access road is undefined and this area will also need to be evaluated.
- 3.2 If excavation is mechanised a toothless 'ditching bucket' at least 1.20m wide must be used. A scale plan showing the proposed locations of the trial trenches should be included in the WSI and the detailed trench design must be approved by SCCAS/CT before field work begins.
- 3.3 The topsoil may be mechanically removed using an appropriate machine with a back-acting arm and fitted with a toothless bucket, down to the interface layer between topsoil and subsoil or other visible archaeological surface. All machine excavation is to be under the direct control and supervision of an archaeologist. The topsoil should be examined for archaeological material.
- 3.4 The top of the first archaeological deposit may be cleared by machine, but must then be cleaned off by hand. There is a presumption that excavation of all archaeological deposits will be done by hand unless it can be shown there will not be a loss of evidence by using a machine. The decision as to the proper method of excavation will be made by the senior project archaeologist with regard to the nature of the deposit.
- 3.5 In all evaluation excavation there is a presumption of the need to cause the minimum disturbance to the site consistent with adequate evaluation; that significant archaeological features, e.g. solid or bonded structural remains, building slots or post-holes, should be preserved intact even if fills are sampled. For guidance:

For linear features, 1.00m wide slots (min.) should be excavated across their width;

For discrete features, such as pits, 50% of their fills should be sampled (in some instances 100% may be requested).

- 3.8 There must be sufficient excavation to give clear evidence for the period, depth and nature of any archaeological deposit. The depth and nature of colluvial or other masking deposits must be established across the site.
- 3.9 Archaeological contexts should, where possible, be sampled for palaeoenvironmental remains. Best practice should allow for sampling of interpretable and datable archaeological deposits and provision should be made for this. The contractor shall show what provision has been made for environmental assessment of the site and must provide details of the sampling strategies for retrieving artefacts, biological remains (for palaeoenvironmental and palaeoeconomic investigations), and samples of sediments and/or soils (for micromorphological and other pedological/sedimentological analyses. Advice on the appropriateness of the proposed strategies will be sought from J. Heathcote, English Heritage Regional Adviser for Archaeological Science (East of England). A guide to sampling archaeological deposits (Murphy, P.L. and Wiltshire, P.E.J., 1994, *A guide to sampling archaeological deposits for environmental analysis*) is available for viewing from SCCAS.
- 3.10 Any natural subsoil surface revealed should be hand cleaned and examined for archaeological deposits and artefacts. Sample excavation of any archaeological features revealed may be necessary in order to gauge their date and character.
- 3.11 Metal detector searches must take place at all stages of the excavation by an experienced metal detector user.
- 3.12 All finds will be collected and processed (unless variations in this principle are agreed SCCAS/CT during the course of the evaluation).
- 3.13 Human remains must be left *in situ* except in those cases where damage or desecration are to be expected, or in the event that analysis of the remains is shown to be a requirement of satisfactory evaluation of the site. However, the excavator should be aware of, and comply with, the provisions of Section 25 of the Burial Act 1857.
- 3.14 Plans of any archaeological features on the site are to be drawn at 1:20 or 1:50, depending on the complexity of the data to be recorded. Sections should be drawn at 1:10 or 1:20 again depending on the complexity to be recorded. All levels should relate to Ordnance Datum. Any variations from this must be agreed with SCCAS/CT.
- 3.15 A photographic record of the work is to be made, consisting of both monochrome photographs and colour transparencies and/or high resolution digital images.
- 3.16 Topsoil, subsoil and archaeological deposit to be kept separate during excavation to allow sequential backfilling of excavations.
- 3.17 Trenches should not be backfilled without the approval of SCCAS/CT.

4. General Management

- 4.1 A timetable for all stages of the project must be agreed before the first stage of work commences, including monitoring by SCCAS/CT. The archaeological contractor will give not less than five days written notice of the commencement of the work so that arrangements for monitoring the project can be made.
- 4.2 The composition of the archaeology contractor staff must be detailed and agreed by this office, including any subcontractors/specialists. For the site director and other staff likely to have a major responsibility for the post-excavation processing of this evaluation there must also be a statement of their responsibilities or a CV for post-excavation work on other archaeological sites and publication record. Ceramic specialists, in particular, must have relevant experience from this region, including knowledge of local ceramic sequences.
- 4.3 It is the archaeological contractor's responsibility to ensure that adequate resources are available to fulfill the Brief.
- 4.4 A detailed risk assessment must be provided for this particular site.
- 4.5 No initial survey to detect public utility or other services has taken place. The responsibility for this rests with the archaeological contractor.

4.6 The Institute of Field Archaeologists' *Standard and Guidance for archaeological field evaluation* (revised 2001) should be used for additional guidance in the execution of the project and in drawing up the report.

5. Report Requirements

5.1 An archive of all records and finds must be prepared consistent with the principles of English Heritage's *Management of Archaeological Projects*, 1991 (particularly Appendix 3.1 and Appendix 4.1).

5.2 The report should reflect the aims of the WSI.

5.3 The objective account of the archaeological evidence must be clearly distinguished from its archaeological interpretation.

5.4 An opinion as to the necessity for further evaluation and its scope may be given. No further site work should be embarked upon until the primary fieldwork results are assessed and the need for further work is established.

5.5 Reports on specific areas of specialist study must include sufficient detail to permit assessment of potential for analysis, including tabulation of data by context, and must include non-technical summaries.

5.6 The Report must include a discussion and an assessment of the archaeological evidence, including an assessment of palaeoenvironmental remains recovered from palaeosols and cut features. Its conclusions must include a clear statement of the archaeological potential of the site, and the significance of that potential in the context of the Regional Research Framework (*East Anglian Archaeology*, Occasional Papers 3 & 8, 1997 and 2000).

5.7 The results of the surveys should be related to the relevant known archaeological information held in the County Historic Environment Record (HER).

5.8 A copy of the Specification should be included as an appendix to the report.

5.9 The project manager must consult the County HER Officer (Dr Colin Pendleton) to obtain an HER number for the work. This number will be unique for each project or site and must be clearly marked on any documentation relating to the work.

5.10 Finds must be appropriately conserved and stored in accordance with *UK Institute of Conservators Guidelines*.

5.11 The project manager should consult the SCC Archive Guidelines 2008 and also the County HER Officer regarding the requirements for the deposition of the archive (conservation, ordering, organisation, labelling, marking and storage) of excavated material and the archive.

5.12 The WSI should state proposals for the deposition of the digital archive relating to this project with the Archaeology Data Service (ADS), and allowance should be made for costs incurred to ensure the proper deposition (<http://ads.ahds.ac.uk/project/policy.html>).

5.13 Every effort must be made to get the agreement of the landowner/developer to the deposition of the finds with the County HER or a museum in Suffolk which satisfies Museum and Galleries Commission requirements, as an indissoluble part of the full site archive. If this is not achievable for all or parts of the finds archive then provision must be made for additional recording (e.g. photography, illustration, analysis) as appropriate. If the County HER is the repository for finds there will be a charge made for storage, and it is presumed that this will also be true for storage of the archive in a museum.

5.14 The site archive is to be deposited with the County HER within three months of the completion of fieldwork. It will then become publicly accessible.

5.15 Where positive conclusions are drawn from a project (whether it be evaluation or excavation) a summary report, in the established format, suitable for inclusion in the annual 'Archaeology in Suffolk' section of the *Proceedings of the Suffolk Institute for Archaeology*, must be prepared. It should be included in the project report, or submitted to SCCAS/CT, by the end of the calendar year in which the evaluation work takes place, whichever is the sooner.

5.16 County HER sheets must be completed, as per the County HER manual, for all sites where archaeological finds and/or features are located.

5.17 Where appropriate, a digital vector trench plan should be included with the report, which must be compatible with MapInfo GIS software, for integration in the County HER. AutoCAD files should be also exported and saved into a format that can be imported into MapInfo (for example, as a Drawing Interchange File or .dxf) or already transferred to .TAB files.

5.18 At the start of work (immediately before fieldwork commences) an OASIS online record <http://ads.ahds.ac.uk/project/oasis/> must be initiated and key fields completed on Details, Location and Creators forms.

5.19 All parts of the OASIS online form must be completed for submission to the County HER. This should include an uploaded .pdf version of the entire report (a paper copy should also be included with the archive).

Specification by: Dr Jess Tipper

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Date: 24 April 2009

Reference: / EastBergholtPrimarySchool-EastBergholt2009

This brief and specification remains valid for six months from the above date. If work is not carried out in full within that time this document will lapse; the authority should be notified and a revised brief and specification may be issued.

If the work defined by this brief forms a part of a programme of archaeological work required by a Planning Condition, the results must be considered by the Conservation Team of the Archaeological Service of Suffolk County Council, who have the responsibility for advising the appropriate Planning Authority.