

Medieval remains in the Schools site, Beaulieu Chelmsford



Archaeological Evaluation Report



January 2016

**Client: Countryside Zest
(Beaulieu Park) LLP**

OA East Report No: 1842

OASIS No: oxfordar3-236516

NGR: TL 7218 0980

Medieval remains in the Schools site, Beaulieu, Chelmsford

Archaeological Evaluation

By Helen Stocks-Morgan BSc and Malgorzata Kwiatkowska MA

With contributions by Rachel Fosberry HNC (Cert Ed), Nick Gilmour MA and Sarah Percival MA

Editor: Aileen Connor BA MCIfA

Illustrators: Charlotte Walton BA MPhil

Report Date: January 2016

Report Number: 1842
Site Name: Schools Site, Beaulieu, CHelmsford
HER Event No: SPBP 15
Date of Works: September 2015
Client Name: Countryside Zest (Beaulieu Park) LLP
Client Ref: 15344
Planning Ref: 09/01314/EIA
Grid Ref: TL 7218 0980
Site Code: SP BP 15
Finance Code: XEX BEP 14
Receiving Body: Chelmsford Museum / Stores

Accession No:

Prepared by: Helen Stocks-Morgan
Position: Project Officer
Date: 28/01/16

Checked by:
Position:
Date:
Signed:

Disclaimer

This document has been prepared for the titled project or named part thereof and should not be relied upon or used for any other project without an independent check being carried out as to its suitability and prior written authority of Oxford Archaeology being obtained. Oxford Archaeology accepts no responsibility or liability for the consequences of this document being used for a purpose other than the purposes for which it was commissioned. Any person/party using or relying on the document for such other purposes agrees and will by such use or reliance be taken to confirm their agreement to indemnify Oxford Archaeology for all loss or damage resulting therefrom. Oxford Archaeology accepts no responsibility or liability for this document to any party other than the person/party by whom it was commissioned.

Oxford Archaeology East,

15 Trafalgar Way,
Bar Hill,
Cambridge,
CB23 8SQ

t: 01223 850500
f: 01223 850599
e: oaeast@thehumanjourney.net
w: <http://thehumanjourney.net/oaeast>

© Oxford Archaeology East 2011
Oxford Archaeology Limited is a Registered Charity No: 285627

Table of Contents

Table of Contents

| | |
|---|-----------|
| Summary..... | 5 |
| 1 Introduction..... | 7 |
| 1.1 Location and scope of work..... | 7 |
| 1.2 Geology and topography..... | 7 |
| 1.3 Archaeological and historical background..... | 7 |
| 1.4 Acknowledgements..... | 12 |
| 2 Aims and Methodology..... | 13 |
| 2.1 Aims..... | 13 |
| 2.2 Methodology..... | 13 |
| 3 Results..... | 14 |
| 3.1 Introduction..... | 14 |
| 3.2 Field 23..... | 14 |
| 3.3 Field 42..... | 15 |
| 3.4 Finds Summary..... | 18 |
| 3.5 Environmental Summary..... | 18 |
| 4 Discussion and Conclusions..... | 19 |
| 4.1 Introduction..... | 19 |
| 4.2 Prehistoric Settlement..... | 19 |
| 4.3 Medieval Field Systems..... | 19 |
| 4.4 Recommendations..... | 19 |
| Appendix A. Trench Descriptions and Context Inventory..... | 20 |
| Appendix B. Finds Reports..... | 38 |
| B.1 Prehistoric pottery..... | 38 |
| B.2 Medieval Pottery..... | 38 |
| Appendix C. Environmental Reports..... | 40 |
| C.1 Environmental Samples..... | 40 |
| Appendix D. Bibliography..... | 42 |
| Appendix E. OASIS Report Form..... | 44 |

List of Figures

- Fig. 1 Site location map
Fig. 2 Trench Location Map
Fig. 3 Selected sections

List of Plates

- Plate 1 ditch 4483 looking from the south
Plate 2 ditch 4887 looking from the south

List of Tables

- Table 1 Quantity and weight of pottery by context
Table 2: Environmental samples from School Site

Summary

An archaeological evaluation was carried out at the Schools Site, Beaulieu, Chelmsford. The fieldwork took place between the 4/9/15 and the 21/9/15. A total of sixty-one trenches were excavated across three separate fields, within the proposed development area.

Two phases of medieval field boundaries were present within the southern field, one of which was on a north-west to south-east alignment and the second phase aligned on a north to south axis. One further undated ditch was encountered in the northern part of the development area.

1 INTRODUCTION

1.1 Location and scope of work

- 1.1.1 Between the 4th September and 18th October 2015 Oxford Archaeology East carried out an archaeological evaluation at the Schools site, Beaulieu, Chelmsford (TL 7218 0980) in advance of a construction of a new neighbourhood planned for North-East Chelmsford, known as Beaulieu. Chelmsford City Council has resolved to grant outline planning permission (ref: 09/01314/EIA) for a new neighbourhood at Beaulieu of up to 3,600 new homes and up to 62,300m² of mixed use development including new schools, leisure and community facilities, employment areas, new highways and associated ancillary development, including full details in respect of roundabout access from Essex Regiment Way and a priority junction from White Hart Lane.
- 1.1.2 An archaeological evaluation was conducted on land to the east of Essex Regiment Way and north of White Hart Lane, at Beaulieu, Chelmsford (see fig. 1 for location). The evaluation was undertaken in advance of the schools site.
- 1.1.3 This archaeological evaluation was undertaken in accordance with the Archaeological Investigation and Mitigation Strategy (URS 2013) prepared for the Beaulieu scheme in consultation with Richard Havis of the Historic Environment Branch, ECC (Planning Application 09/01314/EIA), and supplemented by a Method Statement prepared by OA East.
- 1.1.4 The work was designed to assist in defining the character and extent of any archaeological remains within the proposed redevelopment area, in accordance with the guidelines set out in *National Planning Policy Framework* (Department for Communities and Local Government March 2012). The results will enable decisions to be made by CCC, on behalf of the Local Planning Authority, with regard to the treatment of any archaeological remains found.
- 1.1.5 The site archive is currently held by OA East and will be deposited with the appropriate county stores in due course.

1.2 Geology and topography

- 1.2.1 Beaulieu (the Site) is located approximately 4km to the north-east of Chelmsford, Essex (centred on TL 7218 0980: Figure 1). The Site encompasses an area of high ground surrounded on three sides by river valleys. To the west and south is the River Chelmer, and to the east is Boreham Brook. North of the Site the ground rises towards the village of Terling. From the southern part of the Site there are views south towards the Chelmer Valley and Danbury Hill.
- 1.2.2 The superficial geology consists of boulder clay of the Lowestoft Till formation underlain by London Clays. To the south of the area lay a mixture of head deposits and sand and gravels (British Geological Survey).

1.3 Archaeological and historical background

Neolithic

- 1.3.1 Essex has some of the earliest surviving evidence of settlement, mainly concentrated to the north-east along the River Crouch at Lawford and Lemarsh (Hedges, 1984). Evidence for possible domestic settlement within the vicinity of Beaulieu was recorded

at Court Road, 1km to the north-west, in the form of several pits with Neolithic pottery within their fills (SMR 6142).

Bronze Age

- 1.3.2 Settlement continued to be concentrated along the river valleys of the Chelmer and Crouch, however during the Bronze Age the landscape was enclosed by field systems for the first time, such as those found at Great Wakering (Kemble, 2001). These enclosed field systems would have continued in use through into the early Iron Age. It has been suggested that these Bronze Age field systems form the basis for the modern landscape in the Chelmer Valley (Drury & Rodwell, 1980).
- 1.3.3 Several crop-marks have been recorded by aerial photography to the south of Belstead Hall and interpreted as part of a Bronze Age settlement (SMR 16888), with further domestic dwellings excavated at Springfield Lyons, 2.5km to the south-west. Further occupation sites are attested to by the recovery of artefacts, such as at New Hall School, to the south-east and Pratt's Farm, to the north.

Iron Age

- 1.3.4 The settlement pattern during the Iron Age would have been of nucleated settlements within a larger farming landscape. Evidence of this, within the vicinity of the development area, was seen to the south of Belstead Hall (SMR 17438). This comprised a large enclosure with associated pits and smaller ditches (Drury, 1978).
- 1.3.5 The Later Iron Age witnessed an expansion of settlement onto the heavier clay soils and the continued occupation of the estuaries. These estuarine sites are seen to become more complex in nature over time, with higher population density and sustained occupation, such as has been found at Little Waltham (Drury 1980).
- 1.3.6 By the end of the Iron Age sites such as Gosbecks oppida show that portions of the population were highly structured and of high status. These sites would have relied on farming communities scattered around the environs to supply agricultural commodities. (Crummy 1997).

Roman

- 1.3.7 During the Roman period a small market town would have grown up around the Mansio, located 5km to the south-west at Moulsham Street. The area surrounding this would have formed an agricultural hinterland to supply produce to the town.
- 1.3.8 This agricultural landscape would have comprised of large farms and villa complexes, such as those at Great Holts Farm and Bulls Farm Lodge. Smaller domestic sites would also have formed part of the landscape. Evidence for these has been recorded during evaluation work at Greater Beaulieu. Evidence for pottery making, associated with domestic use was also recorded.

Anglo-Saxon

- 1.3.9 In the immediate post-Roman period, the Roman town at Chelmsford was abandoned and much of the surrounding landscape reverted to rough pasture or woodland (Hunter, 2003). No known remains of Anglo-Saxon date are recorded within the application site although this is more likely to reflect the relatively poor archaeological visibility of Anglo-Saxon settlement sites rather than a lack of activity during the period.
- 1.3.10 Two records dating to the Anglo-Saxon period are held by the EHER; both of which are documentary records for Late Saxon manors, Belestedam (Belstead Hall) is recorded in the Domesday survey of AD 1086 (Reaney, 1035).

Medieval

- 1.3.11 The medieval town of Chelmsford was founded at the end of the 12th century, by the Bishop of London, to the north of the earlier Roman settlement at Moulsham. Throughout the medieval period the site was located within the rural hinterland of Chelmsford in a landscape populated by scattered farmsteads and manors.
- 1.3.12 To the south-east lay the manor of New Hall on the site of the current New Hall School. It is first mentioned by name (as 'Nova Aula') in documents dating to AD1301 when the site formed part of the lands owned by the Canons of Waltham Abbey and was used as the summer residence of the Abbott. It was later transferred to the Regular Canons under Henry II (Burgess & Rance, 1988).
- 1.3.13 The first deer park surrounding New Hall was created during the medieval period with the manor at its centre (Tuckwell, 2006). Under Henry VII, New Hall was granted to Thomas Boteler, Earl of Ormond, who received a licence to crenellate (fortify) it in AD1481 (E41/420) and who, in all likelihood, rebuilt or remodelled the original medieval hall in the latest architectural style. The new structure came to the attention of Henry VIII who visited New Hall in 1510 and 1515, shortly before Ormond's death. Subsequently, the property passed to Thomas' daughter and thus into the Boleyn family through her husband Sir Thomas Boleyn, from whom Henry VIII acquired the hall in 1516, changing its name to the 'Palace of Beaulieu'. Shortly after 1518 he rebuilt the Ormond's medieval hall on a quadrangular plan with gatehouse in the south range, great hall in the east and chapel in the west ranges. Mary Tudor took residency at New Hall intermittently between 1532 and her ascendancy to the crown in 1553.
- 1.3.14 Evidence for a further moated manor is recorded at Belstead. This manor was occupied throughout the medieval period. By 1325 it was called Belestede, in 1354 it was recorded as Belestede Hall and by 1504 it was known as Belested Hall. The name is thought to derive from 'the site of the bell house' (P.H Reaney 1935).
- 1.3.15 Analysis of aerial photographs and geophysical survey identified a number of features which, when investigated by trial trench evaluation, were found to comprise a possible enclosure ditch or moat. A cobbled surface (possibly representing a house platform or yard surface), pit and several further ditches were recorded within the enclosure. Pottery recovered from the features suggests an occupation date of the 12-13th century (ECC FAU 2009). These remains have been interpreted as a medieval farmstead or manor, possibly the precursor to the later manorial site at Belstead Hall c.160m to the north-east of site 7.

Post-Medieval

- 1.3.16 The development of New Hall and its deer park dominated the landscape of the application site and the surrounding area until the park contracted in size and the fields were enclosed for agriculture in the early 18th century. As the deer park was reduced in size the former medieval manors or lodges developed into farms, creating an essentially agricultural landscape.
- 1.3.17 Since the medieval period, New Hall had been set within the largest deer park in Essex; once totalling some 1,500 acres. The EHER records that the enclosed area actually comprised four separate parks surrounding New Hall and its gardens. Within the Great or Old Park located to the north of New Hall. The remaining parks were known as the Red Deer Park located to east of New Hall, the Dukes Park (located further east beyond the study area; EHER 47226) and the New or Little Park situated to the south and west of New Hall. The application site is located within this latter area.

Previous Archaeological Investigations

Geophysical Surveys

- 1.3.18 Geophysical magnetic susceptibility and detailed magnetometer surveys were carried out to evaluate the potential for important archaeological remains that may be buried within the Site. The magnetic susceptibility survey provided a rapid assessment of likely areas for previous settlement and industrial activity. The survey identified six areas of high potential, ten areas of medium potential and seven areas of low potential (Scott Wilson 2008). The magnetic susceptibility survey was followed by a detailed magnetometer survey of c.50% of the Beaulieu scheme. This survey provided a greater level of detail and identified individual features such as pits and ditches, field boundaries, buildings and structures, kilns or hearths and buried iron objects. The detailed magnetometer survey identified ten areas of high archaeological potential; six of medium potential and 19 of low potential (Scott Wilson 2008).

Trial trench Evaluation (2008)

- 1.3.19 A limited programme of targeted trial trench evaluation was undertaken between June and August 2008. The purpose of the trial trenching was to confirm the presence/absence and significance of archaeological remains at eight sites identified by an assessment of the combined results of the desk-based studies and non-intrusive surveys (Scott Wilson 2007).
- 1.3.20 The trial trenching confirmed the presence of archaeological remains dating from the late prehistoric to post-medieval periods. This included a Late Iron Age and Early Romano-British settlement (Site 8); an Iron Age ditch (Site 5); medieval rural settlement possibly indicative of a precursor to Belstead Hall (Site 7); a possible medieval/early post-medieval warrener's lodge associated with the former deer park (Site 10); early post-medieval moated enclosure (Site 11); Tudor fishpond and associated earthwork dam (Site 2); a brick making site comprising two scove or clamp kilns of possible Tudor date (Site 3) and evidence for associated quarrying activity (Site 4) (Pocock, 2009).

Beaulieu Minerals trial trench evaluation

- 1.3.21 A trial trench evaluation was undertaken in September/October 2011 to inform and support the planning application for the Beaulieu Minerals Extraction scheme. The evaluation identified a concentration of archaeological remains to the north-west of New Hall School. These remains appear to represent a rural settlement and possible metalworking activity dating from the Late Bronze Age through to the end of the Roman period. Metal detecting of the plough soil revealed several Early Roman coins and fragments of Early Roman brooches within the main area of activity (House, 2011).

Beaulieu 1 Mitigation evaluation and excavations 2013

- 1.3.22 Recent archaeological trial trench evaluation of the proposed Essex Regiment Way roundabout, White Hart Lane junction and connecting access road identified four locations of significant archaeological remains (Stocks-Morgan, 2013).
- 1.3.23 Site 5, located within the footprint of the proposed Essex Regiments Way roundabout, identified part of a Middle Iron Age settlement comprised a single round-house, surviving only as the remains of an eaves-drip gully. Several small pits and postholes were identified outside the roundhouse and were likely to be associated with domestic activity contemporary with the building. This settlement was surrounded by a large oval enclosure.

- 1.3.24 In Area A1 a single east to west aligned field boundary ditch of possibly Late Iron Age date attests to a wider agricultural landscape of field systems. A second, probably medieval, ditch was encountered on a north-west to south-east alignment (Stocks-Morgan, 2013a).
- 1.3.25 Site 11 and Zone D1 identified evidence of two High Medieval house platforms and their surrounding enclosures. Thought to be a medieval settlement associated with Belstead Manor estate (Stocks-Morgan, 2013b).
- Beaulieu Mitigation evaluation and excavations 2014*
- 1.3.26 Four areas of significant archaeological remains were identified on land to the south of Belstead Manor (Zone A Housing) (Stocks-Morgan 2014).
- 1.3.27 A Middle Bronze Age boundary ditch, aligned north-east to south-west, was identified in Site 7; whilst an Early Iron Age open settlement comprising of ten pits containing a large assemblage of pottery and fired clay, and medieval animal husbandry remains were present in the excavation area. Sparse domestic activity is suggested from the five Late Iron Age pits that were revealed in areas A3 and A4 along the side of a brook to the south of Zone A. In contrast, Area A2 revealed the presence of a Late Iron Age/Early Roman enclosure ditch and later medieval ditch (Stocks-Morgan 2015).
- Zone B and E Trench Evaluation, 2014*
- 1.3.28 Four areas of significant archaeological remains were identified in Zone B and E (Stocks-Morgan 2014b).
- 1.3.29 Two small open area excavations were undertaken to the west of the area, which encountered Late Bronze Age / Early Iron Age open settlement, comprising five four-poster structures and several pits. A further one to the north of the site encountered a small undated gully.
- 1.3.30 A large open area excavation was undertaken towards the south-eastern corner of the site, which identified occupation spanning a period from the Late Iron Age into the Early Roman period. These settlement remains consisted of an enclosure surrounding a roundhouse and associated occupation features. In the Early Roman period this enclosure was reconfigured and a replacement roundhouse. This phase of settlement also produced associated midden deposits and an ancillary roundhouse (Stocks-Morgan, in prep)
- Beaulieu Mitigation evaluation and excavations 2015*
- Site 9
- 1.3.31 A small open area excavation was carried out ahead of the construction of ponds and swales infrastructure works. The archaeology encountered comprised a prehistoric trackway and a Late Iron Age nucleated settlement.
- Zone G / Site 10
- 1.3.32 A 14th / 15th century pit was encountered with two associated ditches. This pit is thought to be a retting pit due to its characteristics and the recovery of pollen / seeds from the waterlogged deposits.
- 1.3.33 A later medieval ditched enclosure was recorded. Inside the enclosure was a 16th century house, represented by the remains of two brick built fireplaces, and a possible brick built staircase. Two further brick built structures were evident, which were ancillary structures, one being a cellar and the second a probable toilet block.

1.4 Acknowledgements

- 1.4.1 The author would like thank Iain Williamson of AECOM and Countryside Zest (Beaulieu Park) LLP who respectively commissioned and funded the archaeological work. The project was managed by Richard Mortimer and the illustrators were Charlotte Walton. Thanks are also extended to Steve Graham and Daria Tsybaeva who supervised the evaluation and to Matt Brooks, Kat Hamilton, Richard Higham, Paddy Lambert, Ted Levermore, Adele Lord, Lindsey Kemp and Adam Tuffey who helped with the fieldwork. The project was monitored by Richard Havis and Alison Bennett of Essex County Council. The machining was undertaken by Richard Pope of Danbury Plant Hire.

2 AIMS AND METHODOLOGY

2.1 Aims

2.1.1 The objective of this evaluation was to determine as far as reasonably possible the presence/absence, location, nature, extent, date, quality, condition and significance of any surviving archaeological deposits within the development area.

2.2 Methodology

2.2.1 Sixty-one trenches were excavated within the proposed development area and all archaeological remains were excavated where appropriate and possible.

2.2.2 Machine excavation was carried out under constant archaeological supervision with a tracked 15 ton machine using a toothless ditching bucket.

2.2.3 The site survey was carried out by Pat Moan using a Leica GPS fitted with *Smartnet* technology.

2.2.4 Spoil, exposed surfaces and features were scanned with a metal detector. All metal-detected and hand-collected finds were retained for inspection, other than those which were obviously modern.

2.2.5 All archaeological features and deposits were recorded using OA East's *pro-forma* sheets. Trench locations, plans and sections were recorded at appropriate scales and colour and monochrome photographs were taken of all relevant features and deposits.

2.2.6 A total of three bulk samples were taken, from deposits considered most appropriate for environmental sampling, while also considering feature type and period

2.2.7 The site conditions were dry and sunny.

3 RESULTS

3.1 Introduction

3.1.1 The trenches are presented below by field and then in numerical order (see Fig. 2 for trench locations).

3.2 Field 23

3.2.1 Thirteen trenches were excavated within this field. The natural geology was an orange clay. A subsoil layer (4299), approximately 0.1m thick was recorded underlying a topsoil deposit (4300) that was approximately 0.3m thick.

Trench 490

3.2.2 No archaeology was recorded in this trench.

Trench 494 - 495

3.2.3 No archaeology was recorded in these trenches.

Trench 499

3.2.4 At the western end of this trench a north to south aligned ditch (**4565**) was uncovered. This ditch, which was 1.04m wide and 0.75m deep with steep sides and a concave base. It was filled with mid greyish brown clay (4566), which was overlain by dark brown clay (4567). The top fill of this ditch consisted of mid yellowish brown clay (4568). A ceramic drain pipe was exposed in this ditch.

3.2.5 Immediately to the east of the ditch a tree bole (4569) was encountered. This tree bole was irregular in shape and profile and measured 0.41m wide and 0.08m deep. It was filled with mid yellowish brown clay (4570) and two lenses of dark brownish grey clay (4571,4572).

Trench 500 - 501

3.2.6 No archaeology was recorded in these trenches.

Trench 506 - 508

3.2.7 No archaeology was recorded in these trenches.

Trench 513 - 514

3.2.8 No archaeology was recorded in these trenches.

Trench 520

3.2.9 At the southern end of this trench was a north-east to south-west aligned ditch (**4562**) where the southern side of this ditch extended beyond the end of the trench (see fig. 3, section 1496). The ditch had a gently sloping northern side, but its full profile was not visible. It was 0.43m deep, and was filled with dark brownish grey clay (4563), which was overlain by a dark greyish brown clay (4564) which contained four sherds of Later Iron Age pottery, a broken flint blade and a fragment of lava quern. The environmental sample also contained wheat and oat grains.

Trench 527

3.2.10 No archaeology was recorded in this trench.

3.3 Field 42

3.3.1 Forty-eight trenches were excavated within this field. The natural geology was an orange clay. A subsoil layer (4315), approximately 0.1m thick was recorded underlying a topsoil deposit (4316) that was approximately 0.3m thick.

Trench 484 - 485

3.3.2 No archaeology was recorded in these trenches.

Trench 486

3.3.3 At the western end of this trench lay a north-west to south-east aligned ditch (**4889**) which was 0.8m wide. This ditch had steep sides and a concave base and measured 0.28m in depth. It was filled with light orangey grey sandy clay (4890).

Trench 487

3.3.4 No archaeology was recorded in this trench.

Trench 488

3.3.5 At the northern end of this trench a 1.10m wide ditch (**4891**) aligned north-east to south-west was encountered. It had gentle sloping sides and a concave base which was 0.22m deep. The ditch was filled with mid reddish brown sandy clay (4892).

Trench 489

3.3.6 Two deposits covering the full extent of the trench were exposed upon excavation (see fig 3, section 1716). Deposit (4896) consisted of light greyish brown silty clay was 0.20m deep. It was overlain by deposit (4895) of mid greyish brown sandy clay, which was 0.68 thick, which contained eight sherds of Iron Age pottery.

Trench 491 - 492

3.3.7 No archaeology was recorded in these trenches.

Trench 493

3.3.8 In the centre of the trench was a north-west to south-east aligned ditch (**4893**) which measured 1.26m in width. This ditch had steep sides and a flat base and was 0.34m deep. It was filled with mid greyish brown sandy clay (4894).

Trench 496 - 498

3.3.9 No archaeology was recorded in these trenches.

Trench 502 - 505

3.3.10 No archaeology was recorded in these trenches.

Trench 509 - 512

3.3.11 No archaeology was recorded in these trenches.

Trench 515 - 518

3.3.12 No archaeology was recorded in these trenches.

Trench 519

3.3.13 Towards the western end of the trench was a north-west to south-east aligned ditch (**4881**), which measured 0.6m in width. This ditch had gently sloping sides and a concave base and was 0.16m deep. It was filled with light orangey grey sandy clay (4882).

Trench 521

3.3.14 This trench was not excavated as we could not gain access to the area.

Trench 522

3.3.15 No archaeology was recorded in this trench.

Trench 523

3.3.16 In the centre of the trench lay a north-west to south-east aligned ditch (**4883**) which was 1.75m wide. This ditch had steep sides and a concave base and measured 0.60m deep. The first fill (4884) consisted of dark brownish grey sandy clay which contained two small sherds of white china. It was overlain by mid greyish brown sandy clay (4885). A final tertiary fill comprising an orangey grey sandy clay (4886) was present (see plate 1).

Trench 524 – 526

3.3.17 No archaeology was recorded in these trenches.

Trench 528-532

3.3.18 No archaeology was recorded in these trenches.

Trench 533

3.3.19 This trench was not excavated as we could not gain access to the area.

Trench 534 - 535

3.3.20 No archaeology was recorded in these trenches.

Trench 536

3.3.21 At the southern end of the trench a 1.3m wide ditch (**4573**) aligned west to east was encountered. It had steep sides and a flat base and was 0.55m deep. The ditch was filled with dark greyish brown clay (4574). A plastic hair comb was recovered from this fill and the sample contained hazelnuts and acorns. The fill was overlain by a deposit of dark greyish brown clay (4575).

Trench 537 - 538

3.3.22 No archaeology was recorded in these trenches.

Trench 539

3.3.23 At the western part of the trench was a north to south aligned boundary ditch (**4887**), which was 1.10m wide. It was filled with dark brownish grey sandy clay (4888). This ditch was unexcavated as it was noticeably modern.

Trench 540

3.3.24 A tree throw (**4981**) was encountered in the northern area of this trench. It measured 1.34m in width and 0.31m in depth. The tree throw had irregular sides and an irregular base and was filled with dark greyish brown clayey silt (4982)

Trench 541

3.3.25 Towards the centre of this trench lay a north to south aligned ditch (**4979**), which was 1.31m wide. The ditch had steep sides and a concave base and measured 0.62m deep. This ditch contained a dark greyish brown clayey silt (4980).

Trench 542

3.3.26 A ditch terminus (**4973**) was encountered in the southern end of this trench. This ditch had steep sides and a concave base which was 0.41m wide and 0.18m deep. It was filled with mid orangey brown clayey silt (4974).

Trench 543

3.3.27 This trench was not excavated as we could not gain access to the area.

Trench 544 - 547

3.3.28 No archaeology was recorded in these trenches.

3.4 Finds Summary

- 3.4.1 A total of fifteen sherds of pottery was recovered during the evaluation, thirteen of which dates to the Iron Age and were recovered from ditch **4562** in trench 520 and a colluvium layer in trench 489. The other two are from trench 523 and are 19th century in date. Further finds include a small possible flint flake and a fragment of lava quern from trench 520.

3.5 Environmental Summary

- 3.5.1 Three samples were taken during the evaluation. One of which from ditch **4862** contained a high frequency of charcoal and a number of charred wheat and oat grains. A second one from ditch **4573** contained hazelnuts and acorns. The third sample contained sparse charcoal.

4 DISCUSSION AND CONCLUSIONS

4.1 Introduction

4.1.1 The discussion concentrates on features that are dated and can be grouped. It is presented as an overall chronological format to help set the findings into context within their wider landscape setting.

4.2 Prehistoric Settlement

4.2.1 In the western part of the schools site two layers (4895, 4896) of colluvium were present in Trench 489. Its location at the bottom of a slope would suggest that it gradually accumulated due to soil washing down the hill. The lowest layer contained a small sherd of pottery which can be used to tentatively suggest prehistoric occupation in the vicinity, however, the small sherd size would limit any conclusive interpretation.

4.2.2 In the northern part of the development area lay a north-east to south-west ditch (**4562**) in Trench 520. To the north of the site an area of Late Iron Age settlement was found during previous archaeological investigations; it is possible that this ditch forms part of a field system associated with that settlement. Of interest, is the frequency of charcoal and charred grains present within the environmental sample which possibly suggests deliberate dumping.

4.3 Medieval Field Systems

4.3.1 Two other ditch alignments were noted, these may be medieval in origin, but no finds were recovered from the fills to date these ditches conclusively. One phase of this field system is on a north-west to south-east alignment and comprises three ditches (**4889,4893,4883**) seen to the south of the evaluation area. The second phase located towards the eastern side of the schools site are a north to south alignment and represented by ditches **4887,4979,4573**, in trenches 539,541 and 536 respectively.

4.3.2 The OS 1897 1st edition map shows field boundaries on two alignments. A north to south at the eastern end of the site and a north-west to south-east ditch at the centre and to the western end of the site. These ditches may relate to the earlier putative medieval field boundaries.

4.4 Recommendations

4.4.1 Recommendations for any future work based upon this report will be agreed in consultation with the ECC HEM.

APPENDIX A. TRENCH DESCRIPTIONS AND CONTEXT INVENTORY

| Trench 484 | | | | | | |
|---|-------|-----------|-----------|-----------------------|-------|-------|
| General description | | | | Orientation | | NW-SE |
| Trench devoid of archaeology. Consists of topsoil overlying a natural of orange gravel. | | | | Avg. depth (m) | | 0.29 |
| | | | | Width (m) | | 2 |
| | | | | Length (m) | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.29 | Topsoil | - | - |
| Trench 485 | | | | | | |
| General description | | | | Orientation | | N-S |
| Trench devoid of archaeology. Consists of topsoil overlying a natural of orange gravel. | | | | Avg. depth (m) | | 0.31 |
| | | | | Width (m) | | 2 |
| | | | | Length (m) | | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.31 | Topsoil | - | - |
| Trench 486 | | | | | | |
| General description | | | | Orientation | | E-W |
| Trench contained a ditch. Consists of topsoil and subsoil overlying a natural of sandy clay. | | | | Avg. depth (m) | | 0.37 |
| | | | | Width (m) | | 2 |
| | | | | Length (m) | | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4889 | Cut | 0.8 | 0.28 | Ditch | - | - |
| 4890 | Fill | 0.8 | 0.28 | Ditch | - | - |
| 4315 | Layer | - | 0.31 | Topsoil | - | - |
| 4316 | Layer | - | 0.06 | Subsoil | - | - |
| Trench 487 | | | | | | |
| General description | | | | Orientation | | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlying a natural of orange gravel. | | | | Avg. depth (m) | | 0.47 |
| | | | | Width (m) | | 2 |
| | | | | Length (m) | | 30 |
| Contexts | | | | | | |

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|---|-------|-----------|-----------|------------------------|-----------------------|----------|
| 4315 | Layer | - | 0.27 | Topsoil | - | - |
| 4316 | Layer | - | 0.2 | Subsoil | - | - |
| Trench 488 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench contained a ditch. Consists of topsoil and subsoil overlaying a natural of orange gravel. | | | | | Avg. depth (m) | 0.45 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4891 | Cut | 1.1 | 0.22 | Ditch | - | - |
| 4892 | Fill | 1.1 | 0.22 | Ditch | - | - |
| 4315 | Layer | - | 0.39 | Topsoil | - | - |
| 4316 | Layer | - | 0.06 | Subsoil | - | - |
| Trench 489 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench contained two deposits (either in a pond or at the bottom of a hill). Consists topsoil and subsoil overlaying the two deposits, which are overlaying a natural of orange gravel. | | | | | Avg. depth (m) | 1.15 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4895 | Layer | | 0.58 | Pond/ Bottom of a hill | pottery | Iron Age |
| 4896 | Layer | | 0.23 | Pond/ Bottom of a hill | - | - |
| 4315 | Layer | - | 0.3 | Topsoil | - | - |
| 4316 | Layer | - | 0.16 | Subsoil | - | - |
| Trench 490 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of yellow gravel. | | | | | Avg. depth (m) | 0.97 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.3 | Topsoil | - | - |
| 4300 | Layer | - | 0.47 | Subsoil | - | - |
| Trench 491 | | | | | | |

| | | |
|--|-----------------------|------|
| General description | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.36 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|-------|------|
| 4315 | Layer | - | 0.29 | Topsoil | - | - |
| 4316 | Layer | - | 0.07 | Subsoil | - | - |

Trench 492

| | | |
|--|-----------------------|------|
| General description | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of gravel clay. | Avg. depth (m) | 0.53 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|-------|------|
| 4315 | Layer | - | 0.3 | Topsoil | - | - |
| 4316 | Layer | - | 0.23 | Subsoil | - | - |

Trench 493

| | | |
|---|-----------------------|------|
| General description | Orientation | N-S |
| Trench contained a ditch and a modern drain. Consists of topsoil and subsoil overlaying a natural of orange gravel. | Avg. depth (m) | 0.64 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|-------|--------|
| 4893 | Cut | 1.26 | 0.34 | Ditch | - | Modern |
| 4894 | Fill | 1.26 | 0.34 | Ditch | - | - |
| 4315 | Layer | - | 0.27 | Topsoil | - | - |
| 4316 | Layer | - | 0.37 | Subsoil | - | - |

Trench 494

| | | |
|--|-----------------------|-----|
| General description | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil, subsoil and a deposit of natural pond channel overlaying a natural of brown clay. | Avg. depth (m) | 0.8 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context | type | Width | Depth | comment | finds | date |
|---------|------|-------|-------|---------|-------|------|
|---------|------|-------|-------|---------|-------|------|

| no | | (m) | (m) | | | |
|--|-------|-----------|-----------|---------|-----------------------|------|
| 4299 | Layer | - | 0.31 | Topsoil | - | - |
| 4300 | Layer | - | 0.3 | Subsoil | - | - |
| Trench 495 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of yellow gravel. | | | | | Avg. depth (m) | 0.67 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 15 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.3 | Topsoil | - | - |
| 4300 | Layer | - | 0.33 | Subsoil | - | - |
| Trench 496 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consist of topsoil and subsoil overlaying a natural of gravel clay. | | | | | Avg. depth (m) | 0.38 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.29 | Topsoil | - | - |
| 4316 | Layer | - | 0.08 | Subsoil | - | - |
| Trench 497 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of gravel clay. | | | | | Avg. depth (m) | 0.41 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.25 | Topsoil | - | - |
| 4316 | Layer | - | 0.17 | Subsoil | - | - |
| Trench 498 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of gravel. | | | | | Avg. depth (m) | 0.73 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |

| Contexts | | | | | | |
|---|-------------|------------------|------------------|----------------|-----------------------|-------------|
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.34 | Topsoil | - | - |
| 4316 | Layer | - | 0.39 | Subsoil | - | - |
| Trench 499 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench contained a land drain Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.54 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4565 | Cut | 1.04 | 0.75 | Land drain | - | - |
| 4566 | Fill | 1.04 | 0.75 | Land drain | - | - |
| 4567 | Fill | 0.65 | 0.03 | Land drain | - | - |
| 4568 | Fill | 0.65 | 0.16 | Land drain | - | - |
| 4569 | Cut | 0.49 | 0.08 | Disturbance | - | Modern |
| 4570 | Fill | 0.49 | 0.08 | Disturbance | - | Modern |
| 4571 | Fill | 0.14 | 0.05 | Disturbance | - | Modern |
| 4572 | Fill | 0.15 | 0.03 | Disturbance | - | Modern |
| 4299 | Layer | - | 0.29 | Topsoil | - | - |
| 4300 | Layer | - | 0.25 | Subsoil | - | - |
| Trench 500 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.67 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.23 | Topsoil | - | - |
| 4300 | Layer | - | 0.2 | Subsoil | - | - |
| Trench 501 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of boulder clay. | | | | | Avg. depth (m) | 0.7 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |

| Contexts | | | | | | |
|--|-------------|------------------|------------------|----------------|-----------------------|-------------|
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.3 | Topsoil | - | - |
| 4300 | Layer | - | 0.4 | Subsoil | - | - |
| Trench 502 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.47 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.26 | Topsoil | - | - |
| 4316 | Layer | - | 0.16 | Subsoil | - | - |
| Trench 503 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.57 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.23 | Topsoil | - | - |
| 4316 | Layer | - | 0.34 | Subsoil | - | - |
| Trench 504 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of gravel clay. | | | | | Avg. depth (m) | 0.64 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.32 | Topsoil | - | - |
| 4316 | Layer | - | 0.32 | Subsoil | - | - |
| Trench 505 | | | | | | |
| General description | | | | | Orientation | E-W |

| | | | | | | |
|---|-------------|-----------------------|------------------|----------------|--------------------|-------------|
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | Avg. depth (m) | 0.72 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 30 | | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.3 | Topsoil | - | - |
| 4316 | Layer | - | 0.23 | Subsoil | - | - |
| Trench 506 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of yellow clay. | | Avg. depth (m) | 0.6 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 30 | | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.3 | Topsoil | - | - |
| 4300 | Layer | - | 0.23 | Subsoil | - | - |
| Trench 507 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of boulder clay. | | Avg. depth (m) | 0.69 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 30 | | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.32 | Topsoil | - | - |
| 4300 | Layer | - | 0.23 | Subsoil | - | - |
| Trench 508 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of yellow clay. | | Avg. depth (m) | 0.68 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 6.8 | | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.31 | Topsoil | - | - |
| 4300 | Layer | - | 0.16 | Subsoil | - | - |

| Trench 509 | | | | | | |
|--|-------|-----------|-----------|-----------------------|-------|------|
| General description | | | | Orientation | E-W | |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of sandy clay | | | | Avg. depth (m) | 0.48 | |
| | | | | Width (m) | 2 | |
| | | | | Length (m) | 30 | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.3 | Topsoil | - | - |
| 4316 | Layer | - | 0.18 | Subsoil | - | - |
| Trench 510 | | | | | | |
| General description | | | | Orientation | N-S | |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of sandy clay | | | | Avg. depth (m) | 0.6 | |
| | | | | Width (m) | 2 | |
| | | | | Length (m) | 30 | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.29 | Topsoil | - | - |
| 4316 | Layer | - | 0.31 | Subsoil | - | - |
| Trench 511 | | | | | | |
| General description | | | | Orientation | E-W | |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of clayey sand. | | | | Avg. depth (m) | 0.62 | |
| | | | | Width (m) | 2 | |
| | | | | Length (m) | 30 | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.27 | Topsoil | - | - |
| 4316 | Layer | - | 0.35 | Subsoil | - | - |
| Trench 512 | | | | | | |
| General description | | | | Orientation | N-S | |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of red sand. | | | | Avg. depth (m) | 0.65 | |
| | | | | Width (m) | 2 | |
| | | | | Length (m) | 30 | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |

| | | | | | | |
|---|-------------|------------------|------------------|----------------|-----------------------|-------------|
| 4315 | Layer | - | 0.31 | Topsoil | - | - |
| 4316 | Layer | - | 0.35 | Subsoil | - | - |
| Trench 513 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of yellow clay. | | | | | Avg. depth (m) | 0.73 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.23 | Topsoil | - | - |
| 4300 | Layer | - | 0.27 | Subsoil | - | - |
| Trench 514 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeological features. Consists of topsoil and subsoil overlaying a natural of boulder clay. | | | | | Avg. depth (m) | 0.71 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.3 | Topsoil | - | - |
| 4300 | Layer | - | 0.26 | Subsoil | - | - |
| Trench 515 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeological features. Consists of topsoil and subsoil overlaying a natural clay. | | | | | Avg. depth (m) | 0.5 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.23 | Topsoil | - | - |
| 4316 | Layer | - | 0.27 | Subsoil | - | - |
| Trench 516 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeological features. Consists of topsoil and subsoil overlaying a natural of sandy clay | | | | | Avg. depth (m) | 0.58 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|---|-------|-----------|-----------|---------|-----------------------|------|
| 4315 | Layer | - | 0.26 | Topsoil | - | - |
| 4316 | Layer | - | 0.32 | Subsoil | - | - |
| Trench 517 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeological features. Consists of topsoil and subsoil overlaying a natural of clay. | | | | | Avg. depth (m) | 0.6 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.28 | Topsoil | - | - |
| 4316 | Layer | - | 0.32 | Subsoil | - | - |
| Trench 518 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of red sand. | | | | | Avg. depth (m) | 0.47 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.25 | Topsoil | - | - |
| 4316 | Layer | - | 0.22 | Subsoil | - | - |
| Trench 519 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench contained a single ditch. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.56 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4881 | Cut | 0.6 | 0.16 | Ditch | - | - |
| 4882 | Fill | 0.6 | 0.16 | Ditch | - | - |
| 4315 | Layer | - | 0.32 | Topsoil | - | - |
| 4316 | Layer | - | 0.24 | Subsoil | - | - |
| Trench 520 | | | | | | |
| General description | | | | | Orientation | N-S |

| | | |
|---|-----------------------|------|
| Trench contained a single ditch. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.72 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|----------------------------|---------------|
| 4562 | Cut | - | 0.43 | Ditch | - | Late Iron Age |
| 4563 | Fill | - | - | Ditch | - | Late Iron Age |
| 4564 | Fill | - | 0.43 | Ditch | Pottery, lava stone, flint | Late Iron Age |
| 4299 | Layer | - | 0.35 | Topsoil | - | - |
| 4300 | Layer | - | 0.37 | Subsoil | - | - |

Trench 521

| | | |
|----------------------------|-----------------------|--|
| General description | Orientation | |
| Trench not excavated | Avg. depth (m) | |
| | Width (m) | |
| | Length (m) | |

Trench 522

| | | |
|--|-----------------------|-----|
| General description | Orientation | N-S |
| Trench devoid of archaeology, contained a modern disturbance. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.7 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|-------|------|
| 4315 | Layer | - | 0.27 | Topsoil | - | - |
| 4316 | Layer | - | 0.4 | Subsoil | - | - |

Trench 523

| | | |
|--|-----------------------|------|
| General description | Orientation | E-W |
| Trench contained a ditch. Consists of topsoil and subsoil overlaying a natural of gravel clay. | Avg. depth (m) | 0.36 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|------|-----------|-----------|---------|---------|--------|
| 4883 | Cut | 1.75 | 0.6 | Ditch | - | Modern |
| 4884 | Fill | - | 0.14 | Ditch | Pottery | Modern |
| 4885 | Fill | - | 0.32 | Ditch | - | - |

| | | | | | | |
|------|-------|---|------|---------|---|---|
| 4886 | Fill | - | 0.14 | Ditch | - | - |
| 4315 | Layer | - | 0.34 | Topsoil | - | - |
| 4316 | Layer | - | 0.02 | Subsoil | - | - |

Trench 524

| | | |
|--|-----------------------|------|
| General description | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.44 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|-------|------|
| 4315 | Layer | - | 0.27 | Topsoil | - | - |
| 4316 | Layer | - | 0.17 | Subsoil | - | - |

Trench 525

| | | |
|--|-----------------------|------|
| General description | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.57 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|-------|------|
| 4315 | Layer | - | 0.25 | Topsoil | - | - |
| 4316 | Layer | - | 0.32 | Subsoil | - | - |

Trench 526

| | | |
|--|-----------------------|------|
| General description | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.56 |
| | Width (m) | 2 |
| | Length (m) | 30 |

Contexts

| context no | type | Width (m) | Depth (m) | comment | finds | date |
|------------|-------|-----------|-----------|---------|-------|------|
| 4315 | Layer | - | 0.33 | Topsoil | - | - |
| 4316 | Layer | - | 0.23 | Subsoil | - | - |

Trench 527

| | | |
|--|-----------------------|------|
| General description | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.48 |
| | Width (m) | 2 |
| | Length (m) | 30 |

| Contexts | | | | | | |
|--|-------------|------------------|------------------|----------------|-----------------------|-------------|
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4299 | Layer | - | 0.23 | Topsoil | - | - |
| 4300 | Layer | - | 0.27 | Subsoil | - | - |
| Trench 528 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of sandy clay. | | | | | Avg. depth (m) | 0.56 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.26 | Topsoil | - | - |
| 4316 | Layer | - | 0.3 | Subsoil | - | - |
| Trench 529 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.45 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.25 | Topsoil | - | - |
| 4316 | Layer | - | 0.2 | Subsoil | - | - |
| Trench 530 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of brown clay. | | | | | Avg. depth (m) | 0.47 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.25 | Topsoil | - | - |
| 4316 | Layer | - | 0.22 | Subsoil | - | - |
| Trench 531 | | | | | | |
| General description | | | | | Orientation | N-S |

| | | | | | | |
|--|-------------|-----------------------|------------------|----------------|--------------------|-------------|
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | Avg. depth (m) | 0.43 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 30 | | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.25 | Topsoil | - | - |
| 4316 | Layer | - | 0.18 | Subsoil | - | - |
| Trench 532 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | Avg. depth (m) | 0.63 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 30 | | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.4 | Topsoil | - | - |
| 4316 | Layer | - | 0.23 | Subsoil | - | - |
| Trench 533 | | | | | | |
| General description | | | | | Orientation | |
| Trench not excavated | | Avg. depth (m) | | | | |
| | | Width (m) | | | | |
| | | Length (m) | | | | |
| Trench 534 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | Avg. depth (m) | 0.53 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 30 | | | |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.23 | Topsoil | - | - |
| 4316 | Layer | - | 0.30 | Subsoil | - | - |
| Trench 535 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | Avg. depth (m) | 0.43 | | | |
| | | Width (m) | 2 | | | |
| | | Length (m) | 30 | | | |

| Contexts | | | | | | |
|--|-------|-----------|-----------|---------|-----------------------|--------|
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.28 | Topsoil | - | - |
| 4316 | Layer | - | 0.15 | Subsoil | - | - |
| Trench 536 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench contained a ditch. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.45 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4573 | Cut | 1.3 | 0.55 | Ditch | - | Modern |
| 4574 | Fill | 1.3 | 0.45 | Ditch | Pottery, plastic comb | Modern |
| 4575 | Fill | 0.6 | 0.1 | Ditch | - | Modern |
| | Layer | - | | Topsoil | - | - |
| | Layer | - | | Subsoil | - | - |
| Trench 537 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.52 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.28 | Topsoil | - | - |
| 4316 | Layer | - | 0.23 | Subsoil | - | - |
| Trench 538 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.57 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 14 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.3 | Topsoil | - | - |

| | | | | | | |
|---|-------------|------------------|------------------|----------------|-----------------------|-------------|
| 4316 | Layer | - | 0.27 | Subsoil | - | - |
| Trench 539 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench contained a single ditch. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.55 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4887 | Cut | 1.1 | - | Ditch | - | Modern |
| 4888 | Fill | 1.1 | - | Ditch | - | Modern |
| 4315 | Layer | - | 0.26 | Topsoil | - | - |
| 4316 | Layer | - | 0.29 | Subsoil | - | - |
| Trench 540 | | | | | | |
| General description | | | | | Orientation | N-S |
| Trench contained a tree throw. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.46 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4981 | Cut | 1.34 | 0.31 | Tree throw | - | - |
| 4982 | Fill | 1.34 | 0.31 | Tree throw | - | - |
| 4315 | Layer | - | 0.31 | Topsoil | - | - |
| 4316 | Layer | - | 0.15 | Subsoil | - | - |
| Trench 541 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench contained a hedge. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.38 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4979 | Cut | 1.31 | 0.62 | Ditch | - | - |
| 4980 | Fill | 1.31 | 0.62 | Ditch | - | - |
| 4315 | Layer | - | 0.33 | Topsoil | - | - |
| 4316 | Layer | - | 0.04 | Subsoil | - | - |
| Trench 542 | | | | | | |

| | | |
|---|-----------------------|------|
| General description | Orientation | N-S |
| Trench contained a posthole or a ditch terminus. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.44 |
| | Width (m) | 2 |
| | Length (m) | 30 |

| Contexts | | | | | | |
|-----------------|-------|-----------|-----------|-----------------|-------|------|
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4973 | Cut | 0.41 | 0.18 | pothole / Ditch | - | - |
| 4974 | Fill | 0.41 | 0.18 | pothole / Ditch | - | - |
| 4315 | Layer | - | 0.27 | Topsoil | - | - |
| 4316 | Layer | - | 0.17 | Subsoil | - | - |

| Trench 543 | | |
|----------------------------|-----------------------|--|
| General description | Orientation | |
| Trench not excavated | Avg. depth (m) | |
| | Width (m) | |
| | Length (m) | |

| Trench 544 | | |
|---|-----------------------|------|
| General description | Orientation | N-S |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of chalk clay. | Avg. depth (m) | 0.42 |
| | Width (m) | 2 |
| | Length (m) | 30 |

| Contexts | | | | | | |
|-----------------|-------|-----------|-----------|---------|-------|------|
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.24 | Topsoil | - | - |
| 4316 | Layer | - | 0.18 | Subsoil | - | - |

| Trench 545 | | |
|--|-----------------------|------|
| General description | Orientation | E-W |
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | Avg. depth (m) | 0.63 |
| | Width (m) | 2 |
| | Length (m) | 30 |

| Contexts | | | | | | |
|-----------------|-------|-----------|-----------|---------|-------|------|
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.37 | Topsoil | - | - |
| 4316 | Layer | - | 0.17 | Subsoil | - | - |

| Trench 546 | | |
|----------------------------|--------------------|-----|
| General description | Orientation | N-S |

| | | | | | | |
|---|-------------|------------------|------------------|----------------|-----------------------|-------------|
| Trench devoid of archaeology. Consists of topsoil and subsoil overlaying a natural of orange clay. | | | | | Avg. depth (m) | 0.52 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.3 | Topsoil | - | - |
| 4316 | Layer | - | 0.18 | Subsoil | - | - |
| Trench 547 | | | | | | |
| General description | | | | | Orientation | E-W |
| Trench devoid of archaeology, contained two field drains. Consists of topsoil and subsoil overlaying a natural of | | | | | Avg. depth (m) | 0.5 |
| | | | | | Width (m) | 2 |
| | | | | | Length (m) | 30 |
| Contexts | | | | | | |
| context no | type | Width (m) | Depth (m) | comment | finds | date |
| 4315 | Layer | - | 0.32 | Topsoil | - | - |
| 4316 | Layer | - | 0.18 | Subsoil | - | - |

APPENDIX B. FINDS REPORTS

B.1 Prehistoric pottery

B.1.1 A total of 13 sherds weighing 47g were collected from three contexts (Table 1). The assemblage comprised four shell-tempered body sherds dating to the later Iron Age (350-100BC) from context (4564) and eight small abraded sandy body sherds weighing 16g from context (4895). These sherds are also of Iron Age date (350BC +). A single small abraded sherd from context (4564) is prehistoric but are otherwise not closely datable.

| Context | Sample | Trench | Fabric | Description | Quantity | Weight (g) | Spotdate |
|---------|--------|--------|--------|-------------|----------|------------|---------------------|
| 4564 | | 520 | S1 | Body sherd | 4 | 26 | Later Iron Age |
| 4564 | 861 | | Q | Body sherd | 1 | 5 | Not closely datable |
| 4895 | | 489 | Q1 | Body sherd | 8 | 16 | Iron Age |
| Total | | | | | 13 | 47 | |

Table 1: Quantity and weight of pottery by context

B.2 Medieval Pottery

B.2.1 Two sherds of white china, weighing a total of 5g was recovered from ditch fill 4884, in trench 523 and dates to the 19th century.

B.3 Flint

By Nick Gilmour

Assemblage

B.3.1 A fragment weighing 1g was recovered from ditch fill (4564) in trench 520. The appears to represent a broken flake manufactured from translucent grey black flint nodule.

B.4 Stone

B.4.1 A fragment of lave stone weighing 7g was recovered from ditch fill 4564 in trench 520.

APPENDIX C. ENVIRONMENTAL REPORTS

C.1 Environmental Samples

By Rachel Fosberry

Introduction

- C.1.1 Three bulk samples were taken from features within the evaluated areas of School zone, Beaulieu, Essex in order to assess the quality of preservation of plant remains and their potential to provide useful data as part of further archaeological investigations.

Methodology

- C.1.2 For this initial assessment, one bucket (8 litres) of each bulk sample was processed by water flotation (using a modified Siraff three-tank system) for the recovery of charred plant remains, dating evidence and any other artefactual evidence that might be present. The floating component (flot) of the samples was collected in a 0.3mm nylon mesh and the residue was washed through 10mm, 5mm, 2mm and a 0.5mm sieve. Both flot and residues were allowed to air dry. A magnet was dragged through each residue fraction prior to sorting for artefacts. Any artefacts present were noted and reintegrated with the hand-excavated finds. The dried flots were subsequently sorted using a binocular microscope at magnifications up to x 60 and a complete list of the recorded remains are presented in Table 1. Identification of plant remains is with reference to the *Digital Seed Atlas of the Netherlands* and the authors' own reference collection. Nomenclature is according to Zohary and Hopf (2000) for cereals and Stace (1997) for other plants. Carbonized seeds and grains, by the process of burning and burial, become blackened and often distort and fragment leading to difficulty in identification. Plant remains have been identified to species where possible. The identification of cereals has been based on the characteristic morphology of the grains and chaff as described by Jacomet (2006).

Quantification

- C.1.3 For the purpose of this initial assessment, items such as cereals and seeds have been scanned and recorded qualitatively according to the following categories

= 1-10, ## = 11-50 specimens

Items that cannot be easily quantified such as charcoal have been scored for abundance

+ = rare, ++ = moderate, +++ = abundant

Results

Two samples were taken from undated ditch **4562**; Sample 860, fill 4565 from the side of the ditch is charcoal-rich and also contains occasional charred grains of wheat (*Triticum* sp.) and oats (*Avena* sp.) and Sample 861, fill 4564 of the base of the ditch contains a single indeterminate grain.

- C.1.4 Sample 940, fill 4974 of undated ditch **4973** contains occasional charred acorn (*Quercus* cf. *robur*) cotyledons and a single hazelnut (*Corylus avellana*).

| Sample No. | Context No. | Cut No. | Feature Type | Sample Size (L) | Flot Volume (ml) | Preservation | Cereals | Nuts | Charcoal <2mm | Charcoal > 2mm | Flot comments |
|------------|-------------|---------|--------------|-----------------|------------------|--------------|---------|------|---------------|----------------|------------------------------|
| 860 | 4565 | 4562 | Ditch | 8 | 65 | Charred | ## | 0 | ++++ | ++++ | Charred wheat and oat grains |
| 861 | 6564 | 6562 | Ditch | 8 | 50 | Charred | # | 0 | + | 0 | Single indet grain |
| 940 | 4974 | 4973 | Ditch | 8 | 20 | Charred | 0 | ## | + | + | Charred acorns and hazelnuts |

Table 2: *Environmental samples from School Site*

Discussion

- C.1.5 The charred grains recovered from ditch **4562** are not particularly well-preserved and are most likely to have been discarded grain that has been burnt in a fire. The fill containing the most grains was possibly a placed deposit within the ditch or, it may represent the subsequent use of the ditch as an oven.
- C.1.6 Nuts would have been an important wild food resource and they are commonly found in prehistoric contexts. The recovery of charred acorns and a whole hazelnut from ditch **4973** is unusual as it is more common to find charred fragments of hazelnut shell. Prehistoric samples from Sutton Hoo also contained acorn cotyledons and whole hazelnuts and the differential preservation has been interpreted as the result of taphonomy and/or the different in the preparation methods required prior to consumption (Hall 1994, 2).
- C.1.7 The two features sampled from the evaluation of the School zone have shown that there is excellent archaeobotanical potential and this should be reflected in the sampling strategy should any further work be undertaken at this site.

APPENDIX D. BIBLIOGRAPHY

- Brudenell, M., 2012 *Pots, practice and society: an investigation of pattern and variability in the post-Deverel Rimbury ceramic tradition of East Anglia.* Unpublished PhD thesis, York University
- Burgess, & Rance (eds) 1988 *Boreham – History, Tales and Memories of an Essex Village.* (Boreham Histories Project Group)
- Cappers, R.T.J, Bekker R.M, and Jans, J.E.A 2006 *Digital Seed Atlas of the Netherlands Groningen Archaeological Studies 4*, Barkhuis Publishing, Eelde, The Netherlands. www.seedatlas.nl
- Crummy, P., 1997 *City of Victory: the story of Colchester - Britain's first Roman town* (Colchester: Colchester Archaeological Trust)
- Davis, S. J. M. 1992 *A rapid method for recording information about mammal bones from archaeological sites.* Ancient Monuments Laboratory Report19/92.
- Dobney, K & Reilly, K. 1988 *A method for recording archaeological animal bones: the use of diagnostic zones.* *Circaea* 5(2): 79-96
- Drury, P.J., 1978 *Excavations at Little Waltham, 1970-71*, CBA Res. Rep. 26, London
- Drury, P. J., 1980 'The early and middle phases of the Iron Age in Essex', in Buckley, B. G., (eds), *The Archaeology of Essex to AD 1500*, CBA Research Report 34
- Drury, P. J. & Rodwell, W., 1986 'Settlement in the Later Iron Age and Roman periods', in Buckley, B. G., (eds), *The Archaeology of Essex to AD 1500*. CBA Research Report 34
- Hall, A. 1994 Assessment of charred plant remains from prehistoric features from Interventions 41, 48 and 55 at Sutton Hoo, Suffolk.
- Hedges, 1984 'The Neolithic in Essex', in Buckley, B. G., (eds), *The Archaeology of Essex to AD 1500*. CBA Research Report 34
- House, J., 2010 *Prehistoric and Roman Remains at Beaulieu Park, Chelmsford.* Oxford Arch. East Report No, 1309 (unpublished)
- Hunter, J., 2003 *Field systems in Essex.* (Essex Society for Archaeology and History, Colchester)
- Jacomet, S. 2006 Identification of cereal remains from archaeological sites. (2nd edition, 2006) IPNA, Universität Basel / Published by the IPAS, Basel University.
- Kemble, J., 2001 *Prehistoric and Roman Essex* (Shroud: Tempus)
- Mortimer, R., 2013 *Method Statement for Trial Trenching.* Oxford Arch. East Tender Ref No, 13149 (unpublished)
- Pocock, M. 2008 *Archaeological Evaluation at Greater Beaulieu Park, Chelmsford, Essex.* Essex County Council Archaeological Field Unit Report No 1905 (unpublished)
- Reaney, P.H., 1933 *Place names of Essex.* (Cambridge)
- Stace, C., 1997 *New Flora of the British Isles.* Second edition. Cambridge University Press

- Stocks-Morgan, H. 2013 *Iron Age and Medieval Remains on land at Phase 1, Beaulieu, Chelmsford.* Oxford Arch. East Report No, 1473 (unpublished)
- Stocks-Morgan, H. 2013a *Iron Age Remains at Site 5 and Area A1, Phase 1, Beaulieu, Chelmsford.* Oxford Arch. East Report No, 1541 (unpublished)
- Stocks-Morgan, H. 2013b *Medieval Remains at Beaulieu (zone D) Chelmsford.* Oxford Arch. East Report No, 1544 (unpublished)
- Tuckwell, T., 2006 *New Hall and its School* (Kings Lynn)
- Tyler, S. & Major, H. 2005 *The Early Anglo-Saxon Cemetery and Later Saxon Settlement at Springfield Lyons, Essex.* East Anglian Archaeology Report No. 111
- URS 2013 *Beaulieu Park, Chelmsford, Essex: Archaeological Investigation and Mitigation Strategy.* (Unpublished Archaeological Design)
- Zohary, D., Hopf, M. 2010 *Domestication of Plants in the Old World – The origin and spread of cultivated plants in West Asia, Europe, and the Nile Valley.* 3rd edition. Oxford University Press

Maps consulted

British Geological Survey, 1993 Sheet 241, England and Wales 1:50,000

Websites consulted

<http://www.old-maps.co.uk/maps.html>. 1897 1:2500 Essex Viewed 22/06/11

APPENDIX E. OASIS REPORT FORM

Project Details

| | | | |
|---------------------------------|---|-------------|------------|
| OASIS Number | oxfordar3-236516 | | |
| Project Name | Beaulieu, Chelmsford, Essex, schools site | | |
| Project Dates (fieldwork) Start | 03-09-2015 | Finish | 15-10-2015 |
| Previous Work (by OA East) | Yes | Future Work | No |

Project Reference Codes

| | | | |
|-----------|----------|-----------------------|-------------------|
| Site Code | SPBP 15 | Planning App. No. | 09/01314/EIA |
| HER No. | sp bp 15 | Related HER/OASIS No. | oxfordar3-152484, |

Type of Project/Techniques Used

| | |
|------------------|---|
| Prompt | Direction from Local Planning Authority - PPG15 |
| Development Type | Housing Estate |

Please select all techniques used:

| | | |
|--|---|---|
| <input type="checkbox"/> Aerial Photography - interpretation | <input type="checkbox"/> Grab-Sampling | <input type="checkbox"/> Remote Operated Vehicle Survey |
| <input type="checkbox"/> Aerial Photography - new | <input type="checkbox"/> Gravity-Core | <input checked="" type="checkbox"/> Sample Trenches |
| <input type="checkbox"/> Annotated Sketch | <input type="checkbox"/> Laser Scanning | <input type="checkbox"/> Survey/Recording Of Fabric/Structure |
| <input type="checkbox"/> Augering | <input type="checkbox"/> Measured Survey | <input checked="" type="checkbox"/> Targeted Trenches |
| <input type="checkbox"/> Dendrochronological Survey | <input type="checkbox"/> Metal Detectors | <input type="checkbox"/> Test Pits |
| <input type="checkbox"/> Documentary Search | <input type="checkbox"/> Phosphate Survey | <input type="checkbox"/> Topographic Survey |
| <input type="checkbox"/> Environmental Sampling | <input type="checkbox"/> Photogrammetric Survey | <input type="checkbox"/> Vibro-core |
| <input type="checkbox"/> Fieldwalking | <input type="checkbox"/> Photographic Survey | <input type="checkbox"/> Visual Inspection (Initial Site Visit) |
| <input type="checkbox"/> Geophysical Survey | <input type="checkbox"/> Rectified Photography | |

Monument Types/Significant Finds & Their Periods

List feature types using the [NMR Monument Type Thesaurus](#) and significant finds using the [MDA Object type Thesaurus](#) together with their respective periods. If no features/finds were found, please state "none".

| Monument | Period | Object | Period |
|----------|----------------------------|---------|----------------------------|
| ditch | Iron Age -800 to 43 | pottery | Iron Age -800 to 43 |
| ditch | Roman 43 to 410 | pottery | Roman 43 to 410 |
| ditch | Post Medieval 1540 to 1901 | brick | Post Medieval 1540 to 1901 |

Project Location

| | | | |
|------------|-------------|---|--------------|
| County | essex | Site Address (including postcode if possible) | |
| District | Chelmsford | land of White Hart Lane, Chelmsford CM2 6TD | |
| Parish | Springfield | | |
| HER | SP BP 15 | | |
| Study Area | 6.3 ha | National Grid Reference | TL 7218 0980 |

Project Originators

| | |
|---------------------------|-------------------------------|
| Organisation | OA EAST |
| Project Brief Originator | Richard Havis (ECC HER) |
| Project Design Originator | Iain Williamson (URS) |
| Project Manager | Richard Mortimer (OA East) |
| Supervisor | Helen Stocks-Morgan (OA East) |

Project Archives

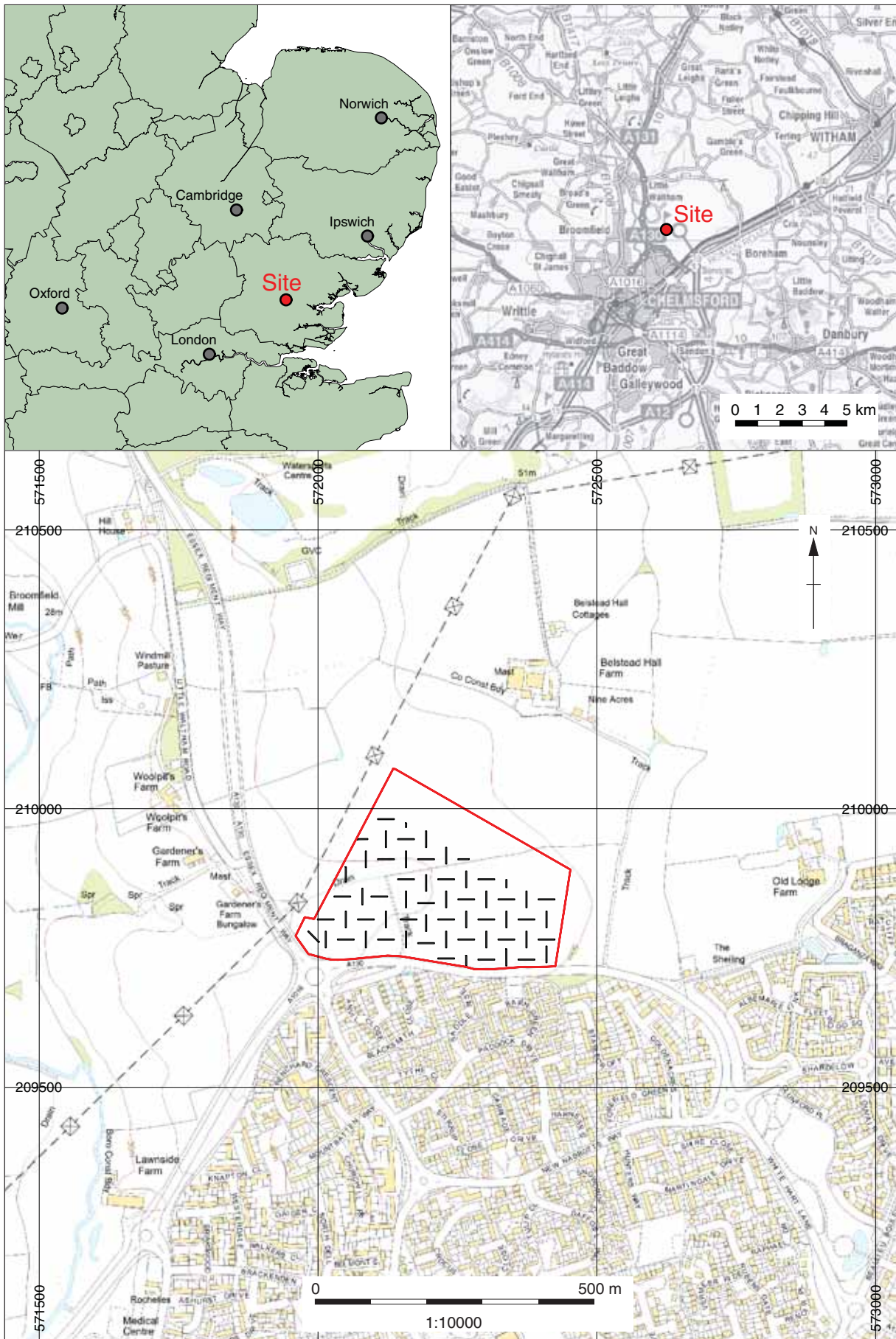
| Physical Archive | Digital Archive | Paper Archive |
|-------------------|-----------------|-------------------|
| chelmsford museum | OA East | chelmsford museum |
| SP BP 15 | SPBP 15 | SPBP 15 |

Archive Contents/Media

| | Physical Contents | Digital Contents | Paper Contents |
|---------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Animal Bones | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Ceramics | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Glass | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Human Bones | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Industrial | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Leather | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Metal | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Stratigraphic | | <input type="checkbox"/> | <input type="checkbox"/> |
| Survey | | <input type="checkbox"/> | <input type="checkbox"/> |
| Textiles | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Worked Bone | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Worked Stone/Lithic | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| None | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Digital Media | Paper Media |
|--|--|
| <input type="checkbox"/> Database | <input type="checkbox"/> Aerial Photos |
| <input checked="" type="checkbox"/> GIS | <input checked="" type="checkbox"/> Context Sheet |
| <input type="checkbox"/> Geophysics | <input checked="" type="checkbox"/> Correspondence |
| <input checked="" type="checkbox"/> Images | <input type="checkbox"/> Diary |
| <input type="checkbox"/> Illustrations | <input checked="" type="checkbox"/> Drawing |
| <input type="checkbox"/> Moving Image | <input type="checkbox"/> Manuscript |
| <input checked="" type="checkbox"/> Spreadsheets | <input checked="" type="checkbox"/> Map |
| <input checked="" type="checkbox"/> Survey | <input type="checkbox"/> Matrices |
| <input checked="" type="checkbox"/> Text | <input type="checkbox"/> Microfilm |
| <input type="checkbox"/> Virtual Reality | <input type="checkbox"/> Misc. |
| | <input type="checkbox"/> Research/Notes |
| | <input checked="" type="checkbox"/> Photos |
| | <input checked="" type="checkbox"/> Plans |
| | <input checked="" type="checkbox"/> Report |
| | <input checked="" type="checkbox"/> Sections |
| | <input checked="" type="checkbox"/> Survey |

Notes:



Contains Ordnance Survey data © Crown copyright and database right 2015. All rights reserved. Centremaps reference 10001998

Figure 1: Site location showing archaeological trenches (black) in development area (red)

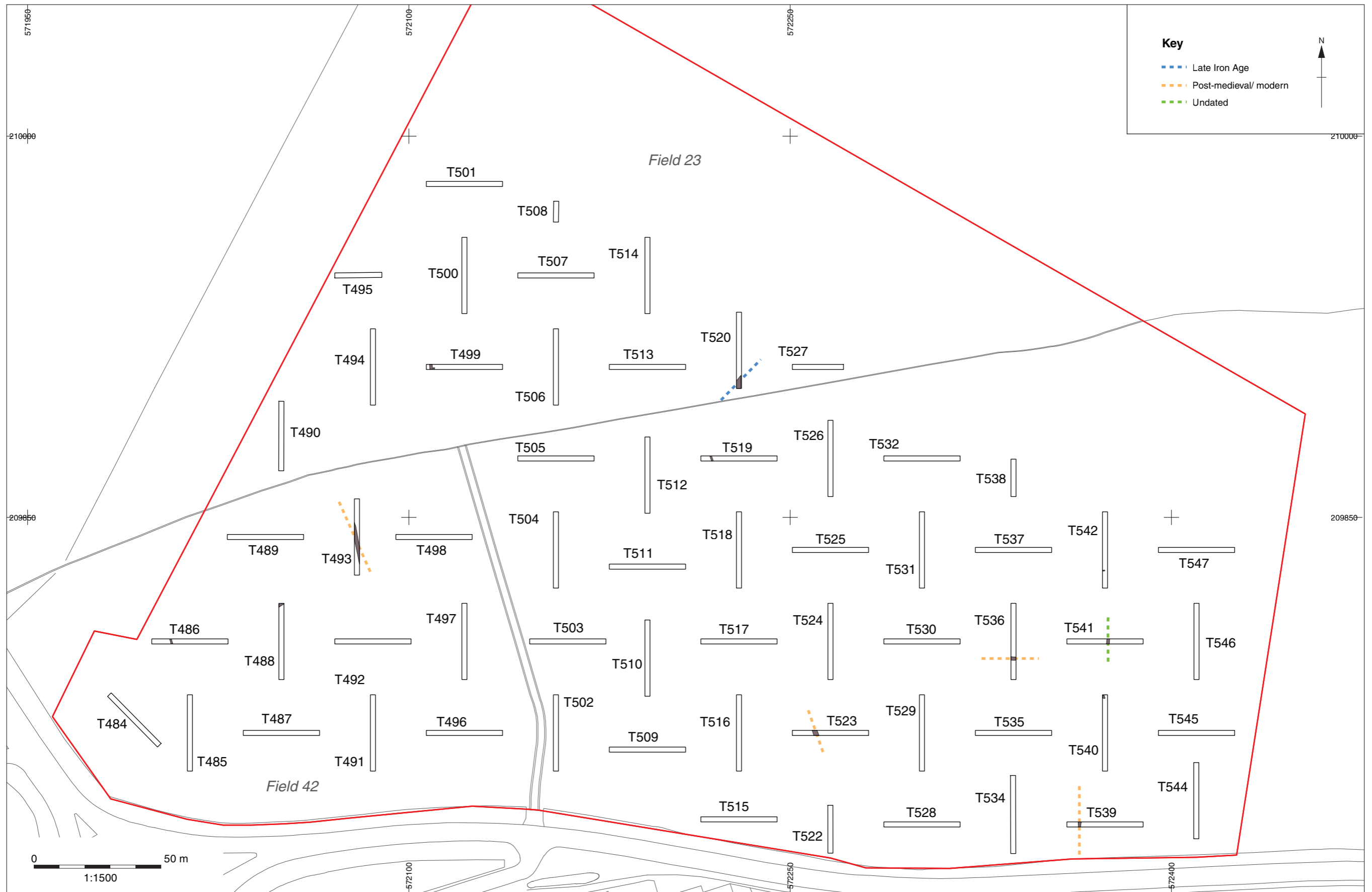


Figure 2: Plan of evaluation trenches.

Contains Ordnance Survey data © Crown copyright and database right 2015.

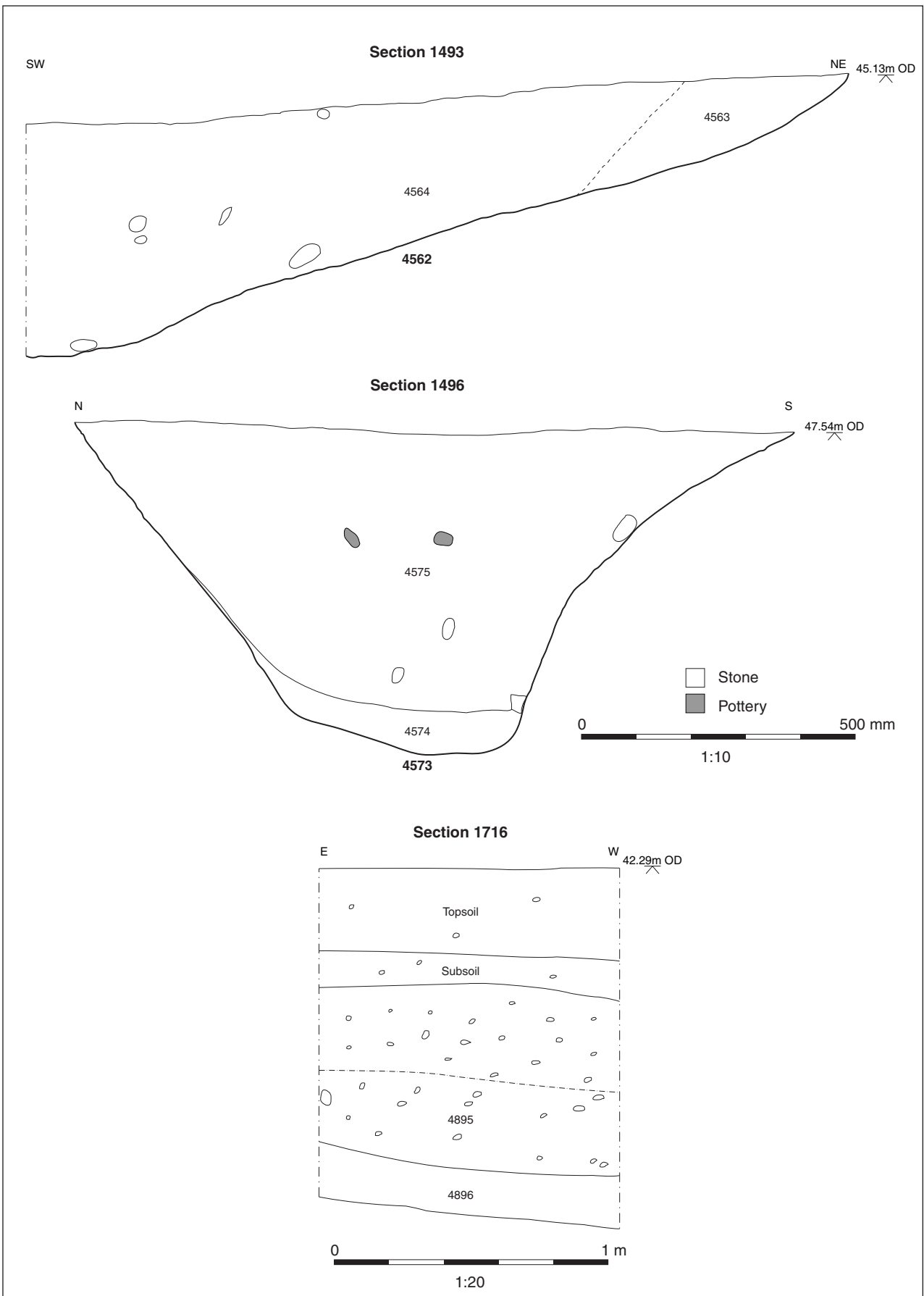


Figure 3: Selected sections



Plate 1: Ditch **4483** looking from the south



Plate 2: Ditch **4887** looking from the south



Head Office/Registered Office/ OA South

Janus House
Osney Mead
Oxford OX2 0ES

t: +44 (0) 1865 263 800
f: +44 (0) 1865 793 496
e: info@oxfordarchaeology.com
w: <http://oxfordarchaeology.com>

OA North

Mill 3
Moor Lane
Lancaster LA1 1QD

t: +44 (0) 1524 541 000
f: +44 (0) 1524 848 606
e: [oanorth@oxfordarchaeology.com](mailto: oanorth@oxfordarchaeology.com)
w: <http://oxfordarchaeology.com>

OA East

15 Trafalgar Way
Bar Hill
Cambridgeshire
CB23 8SQ

t: +44 (0) 1223 850500
e: [oaeast@oxfordarchaeology.com](mailto: oaeast@oxfordarchaeology.com)
w: <http://oxfordarchaeology.com>



Director: Gill Hey, BA PhD FSA MCIFA
*Oxford Archaeology Ltd is a
Private Limited Company, N^o: 1618597
and a Registered Charity, N^o: 285627*