# Archaeological evaluation on land off Blue Gates Farm, Colchester Main Road, Alresford, Essex, CO7 8DG

## **November 2017**



## by Dr Elliott Hicks

with contributions by Stephen Benfield figures by Ben Holloway and Sarah Carter

fieldwork by Ben Holloway with Nigel Rayner, Mark Baister and Elliott Hicks

# commissioned by Mr Ross Bain on behalf of Vaughan and Blyth

NGR: TM 06596 22040 (centre) Planning ref.: 16/00305/OUT CAT project ref.: 17/09n ECC code: ALBF17

Colchester Museum accession code: COLEM 2017.129

OASIS ref.: colchest3-296539



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CAT Report 1191 November 2017

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#### 1 Summary

An archaeological evaluation (seven trial-trenches) was carried out at land off Blue Gates Farm, Colchester Main Road, Alresford in advance of the construction of nine new dwellings. A ditch corresponding to a cropmark extending across the proposed development site, and a pit, both of uncertain date, were uncovered.

#### 2 Introduction (Fig 1)

This is the archive report for an archaeological evaluation by trial-trenching at land off Blue Gates Farm, Colchester Main Road, Alresford, Essex which was carried out on 2nd-3rd November 2017. The work was commissioned by Mr Ross Bain on behalf of Vaughan and Blyth in advance of the construction of nine new dwellings, and was undertaken by Colchester Archaeological Trust (CAT).

In response to consultation with Essex County Council Place Services (ECCPS), Historic Environment Advisor Teresa O'Connor advised that in order to establish the archaeological implications of this application, the applicant should be required to commission a scheme of archaeological investigation in accordance with the *National Planning Policy Framework* (DCLG 2012).

All archaeological work was carried out in accordance with a *Brief for archaeological evaluation*, detailing the required archaeological work, written by Teresa O'Connor (ECCPS 2017), and a written scheme of investigation (WSI) prepared by CAT in response to the brief and agreed with ECCPS (CAT 2017).

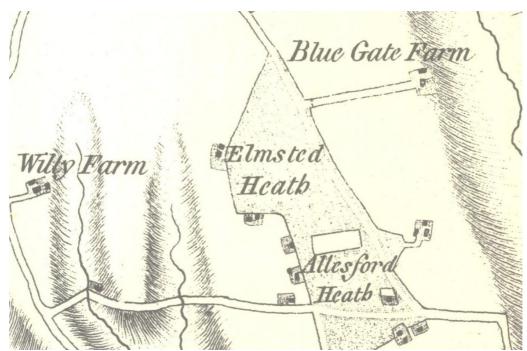
In addition to the brief and WSI, all fieldwork and reporting was done in accordance with English Heritage's *Management of Research Projects in the Historic Environment (MoRPHE)* (English Heritage 2006), and with *Standards for field archaeology in the East of England* (EAA **14** and **24**). This report mirrors standards and practices contained in the Institute for Archaeologists' *Standard and guidance for archaeological field evaluation* (ClfA 2014a) and *Standard and guidance for the collection, documentation, conservation and research of archaeological materials* (ClfA 2014b).

#### 3 Archaeological background

The following archaeological background draws on the Essex Historic Environment Record (EHER) held at Essex County Council, County Hall, Chelmsford, Essex.

The Historic Environment Record identifies a number of cropmark systems in the surrounding area which attest to the archaeological potential of the area of the proposed development. Immediately adjacent to the site are cropmark features potentially indicative of a trackway, linear features, and field boundaries recently removed. Further east lie probable pits and ring-ditches (EHER 2591). To the west comparable features are recorded (EHER 2590). To the north of the site is a concentration of cropmarks, including ring-ditches of probable Bronze Age date, enclosures and linear features (EHER 2614). None of the adjacent mapped cropmarks can be demonstrated to extend into the development area.

The Chapman and André maps of 1777 (Map 1) shows that the proposed site is located along the edge of the former heath. Elmstead heath was likely medieval in origin and would have been the focus for settlement during this period. The proposed development lies along the main road that ran through the heath.



**Map 1** Chapman and André map, 1777, showing Elmstead Heath and Blue Gates Farm

#### 4 Aims

The aim of the archaeological evaluation was to investigate a cropmark projected to extend across the proposed development site, and to ascertain the extent of any surviving archaeological deposits that may exist on site more broadly, in order to determine whether further investigations were required.

#### 5 Results (Figs 2-3)

Seven trial-trenches, all 20m long by 1.8m wide, were machine-excavated to natural under the supervision of a CAT archaeologist. For safety reasons, due to the presence of power lines, and with the approval of the ECC monitor, T7 was repositioned.

Two layers were recorded. Modern plough soil (L1, *c* 0.23-0.35m thick soft, moist, light/medium mottled grey/brown clayey-loam) sealed naturally-deposited sands and soils (L2, thick, soft, moist, light/dark mottled yellow/orange/brown sandy-clay). Sondages were excavated in T2 and T5 to ensure that the natural had been reached.

No significant archaeological remains were identified in T1-T5.

#### Trench 6 (T6):

Ditch F1 was aligned NNE-SSW and measured 1.08m in width and 0.2m in depth.

Undated possible pit F2 measured 0.31m in width and 0.04m in depth.

#### **Trench 7 (T7):**

Ditch F3 was aligned NNW-SSE and measured 1.26m in width and 0.23m in depth.



**Photograph 1** T6 trench shot – looking west south-west



**Photograph 2** T7 trench shot - looking east

#### 6 Finds

by Stephen Benfield

Only a small quantity of finds was recovered, almost all of which came from the general topsoil layer (L1) with a few finds from a ditch (F3). Apart from two small flints that might be of prehistoric date, the most closely-datable finds are pottery of post-medieval and modern date. The finds from the ditch F3 consist of a damaged flint flake and a few pieces of animal bone and are not closely-dated. All of the finds are catalogued by trench and by finds number below. The pottery fabrics refer to the Colchester post-Roman fabric type series (*CAR* 7). The flints and animal bone were examined and commented upon by Adam Wightman.

#### Trench 1 L1 (finds no. 1)

*Pottery*: Fabric 40B, single small sherd (1 g), abraded, dated c 17th-early 18th century; Fabric 48D, single small rim sherd from a plate or dish (2 g), abraded, dated 19th-early 20th century.

#### Trench 2 L1 (finds no. 2)

*Pottery*: Fabric 48D, single small sherd from the rim area of a plate or dish (2 g), abraded, dated 19th-early 20th century.

#### Trench 5 L1 (finds no. 3)

*Flint*: Small, thin flint flake (1 g), some cortex on one edge, appears to be snapped from a larger flake, dated as possibly prehistoric.

#### Trench 6 L1 (finds no. 4)

Glass: Small piece of slightly curving pale green glass (2 g), surface abraded, dated post-medieval or modern.

Ceramic building material: peg-tile piece (20 g), abraded, dated medieval (c 1300+) -post-medieval or modern.

#### Trench 7 Ditch F3 (finds no. 6)

*Flint*: Thick, squat flake with large striking platform (4 g), natural flint surface on dorsal face, one side appears snapped away, some fine use wear or natural abrasive damage to edges, dated as possibly prehistoric.

*Animal bone*: Four pieces of bone, broken femoral head from medium-large mammal (70 g), almost all of cortical surface eroded away, moderate-poor condition.

#### 7 Environmental assessment

by Lisa Gray MSc MA ACIfA Archaeobotanist

#### Introduction – aims and objectives

One sample was presented for assessment. It was taken from a ditch that contained a single piece of possibly prehistoric flint. The aims of this assessment are to determine the significance and potential of the plant macro-remains in the samples, consider their use in providing information about diet, craft, medicine, crop-husbandry, feature function and environment.

#### Sampling and processing methods

A 40 litre sample was taken and completely processed by Colchester Archaeological Trust. It was processed using a Siraf-type flotation device. Flot was collected in a 300-micron mesh sieve then dried.

Once with the author the flot was scanned under a low powered stereo-microscope with a magnification range of 10 to 40x. The whole flots were examined. The abundance, diversity and state of preservation of eco- and artefacts in each sample were recorded. A magnet was passed across each flot to record the presence or absence of magnetised material or hammerscale.

Identifications were made using uncharred reference material (author's own and the Northern European Seed Reference Collection at the Institute of Archaeology, University College London) and reference manuals (such as Beijerinck 1947; Cappers *et al.* 2006; Charles 1984; Fuller 2007; Hillman 1976; Jacomet 2006). Nomenclature for plants is taken from Stace (Stace 2010). Latin names are given once and the common names used thereafter.

At this stage, to allow comparison between samples, numbers have also been estimated but where only a very low number of items are present they have been counted. Identifiable charred wood >4mm in diameter has been separated from charcoal flecks. Fragments this size are easier to break to reveal the cross-sections and diagnostic features necessary for identification and are less likely to be blown or unintentionally moved around the site (Asouti 2006 31; Smart and Hoffman, 1988, 178-179). Charcoal flecks <4mm diameter have been quantified but not recommended for further analysis unless twigs or roundwood fragments larger then 2mmØ were present.

#### Results

#### The plant remains

Charred and dried waterlogged plant remains were present. Low numbers of charcoal fragments of identifiable size were recovered. Uncharred plant remains consisted of seeds of fat hen (*Chenopodium album* L.), orache (*Atriplex* sp.) and blackberry/raspberry (*Rubus fruticosus/idaeus*). Modern seeds of common fumitory (*Fumaria officinalis* L.) and lady's/hedge bedstraw (*Galium verum/mollugo*). These are all plants of waste and disturbed ground.

Sample	Finds No.	Sample	ulk sample volume (L)	t volume (ml)	Charcoal >4mmØ	Charcoal <4mmØ	wate	Dried waterlogged Seeds		Modern root/rhizomes	Terrestrial mollusca	Earthworm cocoons
Sal	ᇤ	description	Bu	Flot	а	а	а	d	р	а	а	а
1	5	F1, possible Prehistoric ditch	4 0	5	1	2	2	1	3	2	1	1

Table 1 Environmental results

Key: a = abundance [1 = occasional 1-10; 2 = moderate 11-100; and 3 = abundant >100]

d = diversity [1 = low 1-4 taxa types; 2 = moderate 5-10; 3 = high]

p = preservation [1 = poor (family level only); 2 = moderate (genus), 3 = good (species identification possible)]

#### **Fauna**

Low numbers of earthworm cocoons and terrestrial mollusca were present. Some of the mollusca were *Ceciliodes acicula* Müller.

#### **Artefactual remains**

No artefactual remains were found.

#### Recommendations

If the charcoal is a suitable type for radiocarbon dating then identification of fragments above >4mm Ø. may be useful. Aside from this, further work on this sample is not recommended. The uncharred seeds may be intrusive. The possibility of bioturbation is evident in the present of uncharred root/rhizome fragments, the subterranean snail *Ceciliodes acicula* and earthworm cocoons.

#### 8 Conclusion

Archaeological evaluation was conducted at Blue Gates Farm, Alresford, Essex to investigate a cropmark projected to extend across the proposed development site. Two sections of ditch, F1 in T6 and F3 in T7, suggest that the cropmark ditch does continue into the development site where it curves slightly from a N-S alignment to a NNE-SSW direction. It is possible, however, that this ditch is in fact unrelated to the cropmark. A piece of possibly prehistoric flint retrieved from the ditch indicate that the feature might date to this period, but it could equally be a residual find.

#### 9 Acknowledgements

CAT thanks Mr Ross Bain for commissioning and funding the work. The project was managed by C Lister. Fieldwork was carried out by B Holloway with N Rayner, M Baister and E Hicks. Figures are by B Holloway and E Holloway. The project was monitored for ECCPS by Teresa O'Connor.

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Note: all CAT reports, except for DBAs, are available online in PDF format at <a href="http://cat.essex.ac.uk">http://cat.essex.ac.uk</a>

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#### 11 Abbreviations and glossary

CAT Colchester Archaeological Trust ClfA Chartered Institute for Archaeologists context specific location of finds on an archaeo	Diolize Age	period iroini <i>6</i> 2300 – 700 BC
o martine de mentante von montante grand	CAT	Colchester Archaeological Trust
context specific location of finds on an archaeo	ClfA	Chartered Institute for Archaeologists
	context	specific location of finds on an archaeolo

ogical site Essex County Council ECC

Essex County Council Historic Environment Advisor **ECCHEA** 

**ECCPS** Essex County Council Place Services Essex Historic Environment Record **EHER** 

feature (F) an identifiable thing like a pit, a wall, a drain: can contain 'contexts'

distinct or distinguishable deposit (layer) of material layer (L)

period from AD 1066 to c 1500 medieval modern period from c AD 1800 to the present

natural geological deposit undisturbed by human activity NGR National Grid Reference

OASIS Online AccesS to the Index of Archaeological InvestigationS,

http://oasis.ac.uk/pages/wiki/Main\_

peg-tile rectangular thin tile with peg-hole(s) used mainly for roofing, first appeared c

AD1200 and continued in use to present day, but commonly post-medieval to

modern

post-medieval from c AD 1500 to c 1800

prehistoric pre-Roman

residual something out of its original context, eg a Roman coin in a modern pit

Roman the period from AD 43 to c AD 410

section (abbreviation sx or Sx) vertical slice through feature/s or layer/s

wsi written scheme of investigation

#### 12 Contents of archive

Finds: none retained
Paper and digital record

One A4 document wallet containing:

The report (CAT Report 1191)

ECC evaluation brief, CAT written scheme of investigation

Original site record (feature and layer sheets, finds record, plans)

Site digital photos and log, architectural plans, attendance register, risk assessment

#### 13 Archive deposition

The paper and digital archive is currently held by the Colchester Archaeological Trust at Roman Circus House, Roman Circus Walk, Colchester, Essex CO2 7GZ, but will be permanently deposited with Colchester Museum under accession code: COLEM 2017.129

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#### **Distribution list:**

Mr Ross Bain, Vaughan and Blyth ECC Place Services Historic Environment Advisor Essex Historic Environment Record, Essex County Council



#### **Colchester Archaeological Trust**

Roman Circus House, Roman Circus Walk, Colchester, Essex, CO2 7GZ

tel.: 01206 501785 email: lp@catuk.org

Checked by: Philip Crummy Date: 15.11.2017

### **Appendix 1 Context list**

Context number	Finds number	Context type	Description	Date
F1	5(S)	Ditch	Soft, moist, medium yellow/grey/brown sandy- silty-clay with rare charcoal fleck inclusions and rare stone piece inclusions	Undatable
F2	-	?Pit	Soft, moist, light yellow/brown sandy-silt with rare charcoal fleck inclusions	Undatable
F3	6	Ditch	Firm, moist, medium grey/brown clayey-silt	Undatable
L1	1, 2, 3, 4	Plough soil	Soft, moist, light/medium mottled grey/brown clayey-loam	Modern
L2	-	Natural	Soft, moist, light/dark mottled yellow/orange/brown sandy-clay with occasional stone piece inclusions	Post-glacial

<sup>(</sup>S) sample

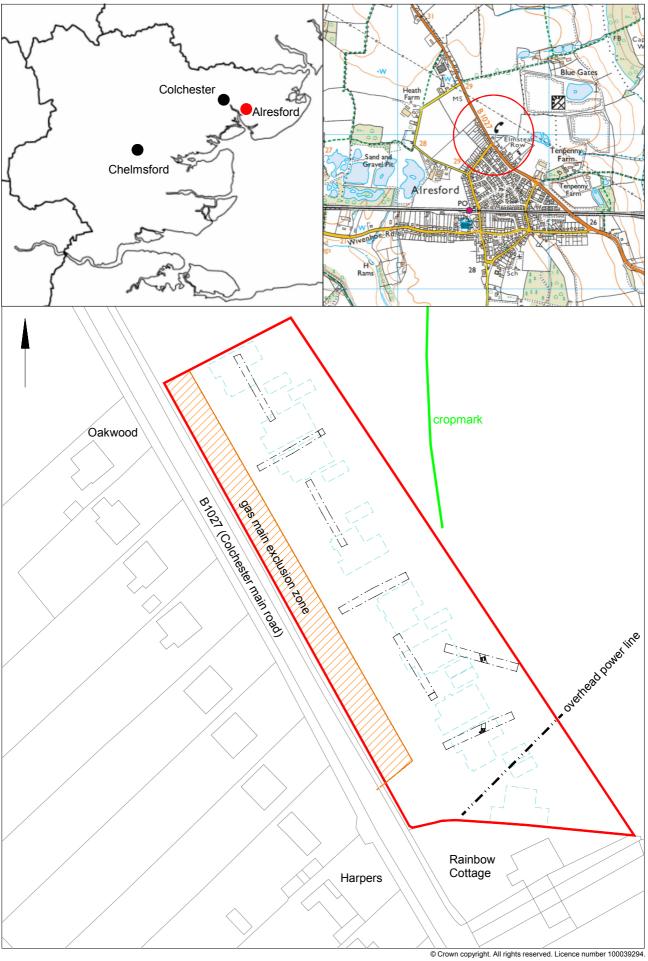


Fig 1 Site location in relation to the proposed development (dashed blue) and cropmark (green)

0 50 m

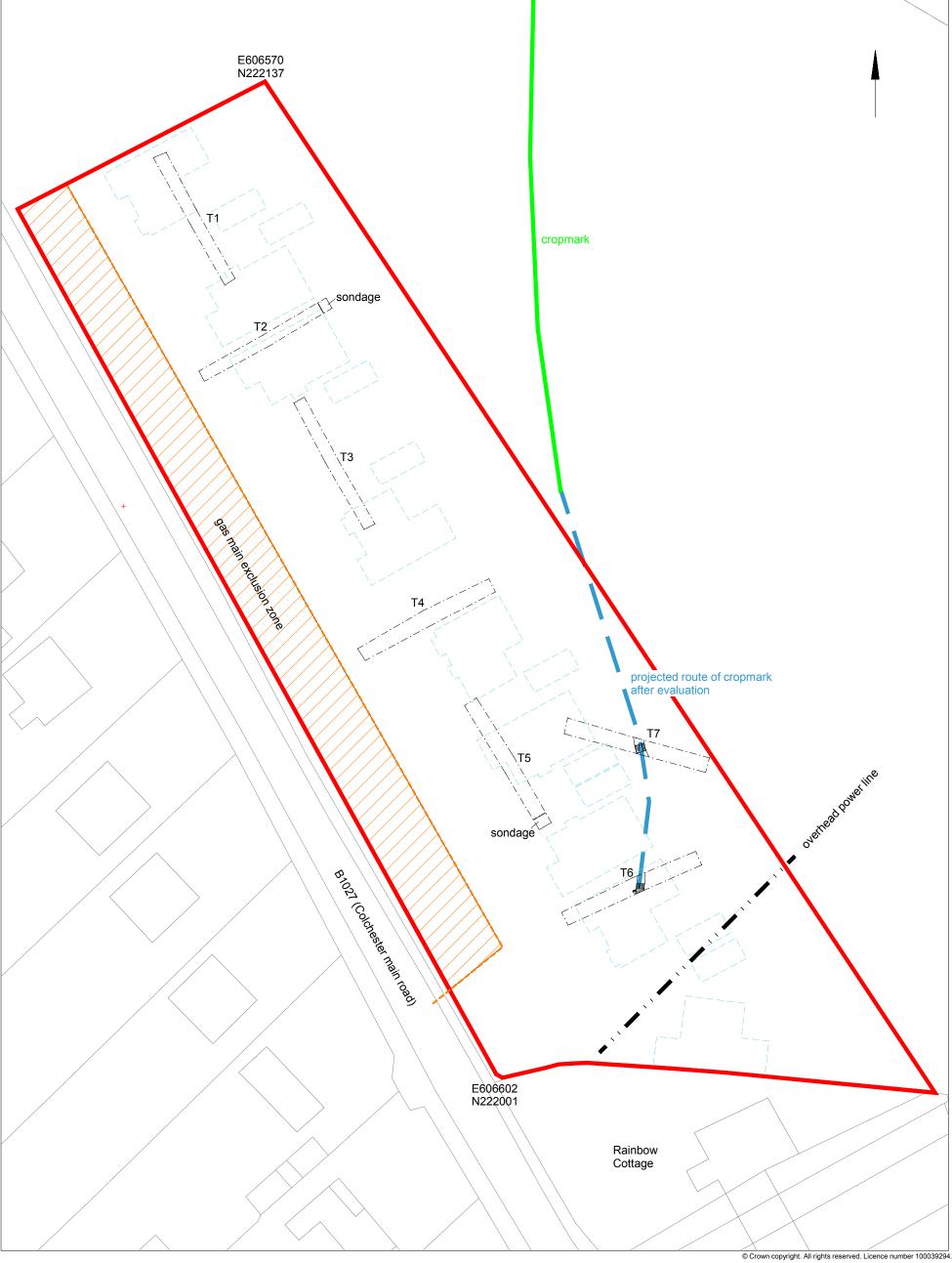


Fig 2 Results

0 20 m

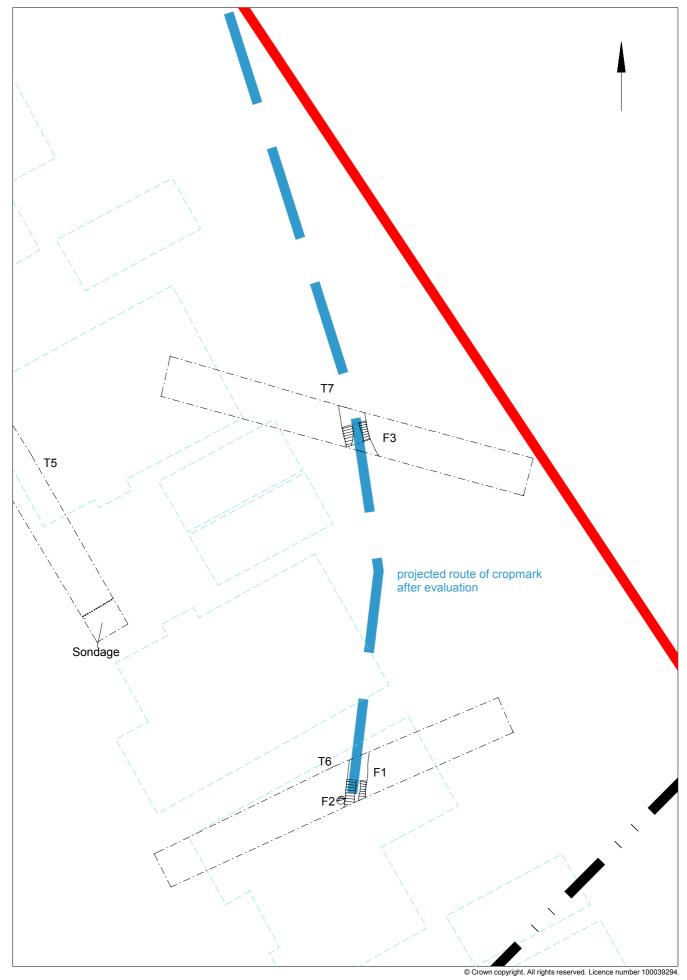


Fig 3 Close up of cropmark ditches F1 and F3

0 10 m

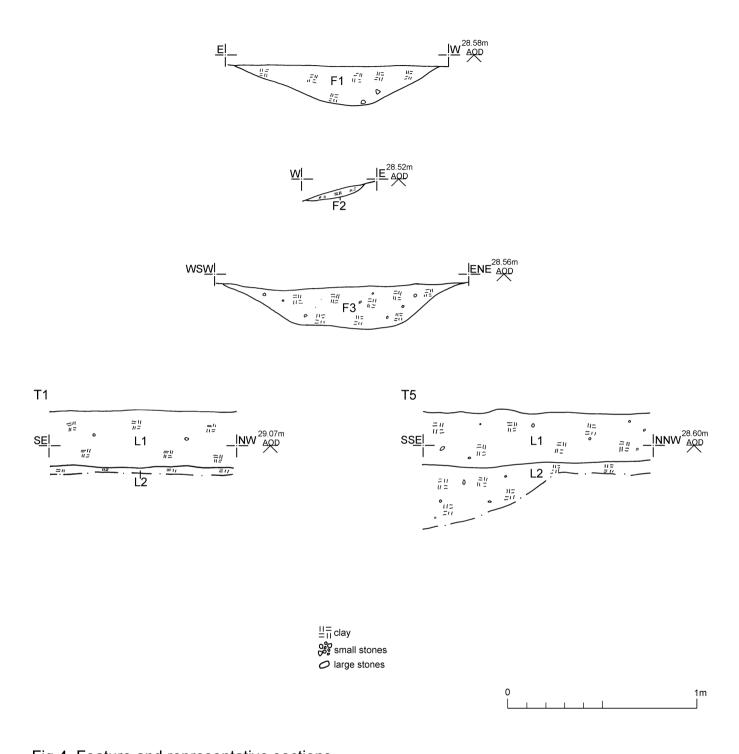


Fig 4 Feature and representative sections

## **OASIS DATA COLLECTION FORM: England**

List of Projects L| Manage Projects | Search Projects | New project | Change your details | HER coverage | Change country | Log out

#### Printable version

#### OASIS ID: colchest3-296539

Project details

Project name Archaeological trial trench evaluation at Blue Gates Farm, Colchester Main Road, Alresford, CO7 8DE

An archaeological evaluation (seven trial-trenches) was carried out at land off Blue Gates Farm, Colchester Main Road, Alresford in advance of Short description the construction of nine new dwellings. A ditch corresponding to a cropmark extending across the proposed development site, and a pit, both of of the project

uncertain date, were uncovered.

Start: 02-11-2017 End: 03-11-2017 Project dates

Previous/future work

No / Not known

Any associated project reference

17/09n - Contracting Unit No.

codes Any associated project reference

16/00305/OUT - Planning Application No.

Any associated

codes

COLEM: 2017 129 - Museum accession ID

project reference

Any associated codes

ALBF17 - HER event no.

Type of project

Field evaluation

Current Land use Cultivated Land 4 - Character Undetermined

Monument type DITCH Uncertain PIT Uncertain Monument type

Significant Finds POTTERY Post Medieval Significant Finds POTTERY Modern Significant Finds FLINT Early Prehistoric Significant Finds FLINT Late Prehistoric Significant Finds GLASS Post Medieval Significant Finds GLASS Modern Significant Finds CBM Medieval Significant Finds CBM Modern

Significant Finds ANIMAL BONE Uncertain Methods & ""Sample Trenches" techniques

Development type Urban residential (e.g. flats, houses, etc.)

Prompt Planning condition

Position in the After outline determination (eg. As a reserved matter) planning process

**Project location** 

Country

ESSEX TENDRING ALRESFORD Blue Gates Farm, Colchester Main Road Site location

Postcode Study area 0.68 Hectares

Site coordinates TM 06596 22040 51.858100652746 1.000531554762 51 51 29 N 001 00 01 E Point

Height OD / Depth Min: 28.27m Max: 28.97m

**Project creators** 

Name of Colchester Archaeological Trust

Organisation Project brief

HEM Team Officer, ECC

Project design

Adam Tuffey

Chris Lister

director/manager

Project supervisor Ben Holloway

Type of Developer sponsor/funding body

**Project archives** 

Physical Archive Exists?

Digital Archive Colchester Museum

recipient

Digital Archive ID COLEM: 2017.129 Digital Contents "Stratigraphic", "Survey"

Digital Media

"Images raster / digital photography", "Survey"

Paper Archive

recipient

Colchester Museum

Paper Archive ID COLEM: 2017.129 Paper Contents "Stratigraphic","Survey"

Paper Media available

"Context sheet", "Drawing", "Miscellaneous Material", "Photograph", "Plan", "Report", "Section"

Project bibliography 1

Grey literature (unpublished document/manuscript)

Publication type

Title Archaeological evaluation on land off Blue Gates Farm, Colchester Main Road, Arlesford, Essex, CO7 8DG: November 2017

Author(s)/Editor(s) Hicks, E.

Other CAT Report 1191

bibliographic details

2017 Date

Issuer or publisher Colchester Archaeological Trust

Place of issue or Colchester

Description

A4, loose-leaf, ringbound

URL http://cat.essex.ac.uk/all-reports.html

Entered by Laura Pooley (lp@catuk.org)

Entered on 16 November 2017

Please e-mail Historic England for OASIS help and advice
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