An archaeological evaluation on the Gas diversion route, Beaulieu, Chelmsford



Archaeological Evaluation Report



January 2016

Client: Countryside Zest (Beaulieu Park) LLP

OA East Report No: 1841 OASIS No: oxfordar3-236511

NGR: TL 7187 1004



An archaeological evaluation on the Gas diversion route, Beaulieu, Chelmsford

Archaeological Evaluation

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Report Date: January 2016

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Report Number: 1841

Site Name: Gas Diversion Route, 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 7187 1004

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: 14/01/16

Checked by: Richard Mortimer
Position: Senior Project Manager

Date: 14/01/16

Signed:

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Fig. 2 Trench Location map

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Plate 1 Trench 455 looking from north
Plate 2 Trench 457 looking from north



Summary

An archaeological evaluation was carried out on the Gas Diversion route, Beaulieu, Chelmsford. The fieldwork took place between the 1/9/15 and the 3/9/15. A total of six trenches were excavated across two separate fields, within the proposed development area. No significant archaeological finds, features or deposits were present in the evaluation trenches.





1 Introduction

1.1 Location and scope of work

- 1.1.1 Between the 1st September and 3th September 2015 Oxford Archaeology East carried out an archaeological evaluation on the Gas Diversion Route, Beaulieu, Chelmsford (TL 7187 1004) 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 Gas Diversion Route.
- 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 7187 1004; 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 damn (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 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 tot he west of the area, which encountered Late Bronze Age / Early Iron Age open settlement, comprising five four-poster structures and several pits. A further are 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 an 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 though to be a retting pit due 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 illustrator was Charlotte Walton. Thanks are also extended to Nick Gilmour who supervised the evaluation and to Matt Brooks, Kat Hamilton, Daria Tsybaeva, Paddy Lambert, Ted Levermore, and Adele Lord, who undertook 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.

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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 Six 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 metaldetected 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 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 22

3.2.1 Three trenches were excavated within this field. The natural geology was an orange clay. A subsoil layer (4298), approximately 0.1m thick was recorded underlying a topsoil deposit (4297) that was approximately 0.2m thick.

Trench 458

3.2.2 No archaeology was recorded in this trench.

Trench 459

3.2.3 No archaeology was recorded in this trench.

Trench 460

3.2.4 No archaeology was recorded in this trench.

3.3 Field 23

3.3.1 Three trenches were excavated within this field. The natural geology was an orange clay. A subsoil layer (4300), approximately 0.1m thick was recorded underlying a topsoil deposit (4299) that was approximately 0.2m thick.

Trench 455

3.3.2 No archaeology was recorded in this trench.

Trench 456

3.3.3 No archaeology was recorded in this trench.

Trench 457

3.3.4 No archaeology was recorded in this trench.

3.4 Finds Summary

3.4.1 No finds were recovered during this evaluation



4 DISCUSSION AND CONCLUSIONS

4.1 Discussion

4.1.1 No significant archaeological finds, features or deposits were found during this evaluation, although a few ceramic field drains were evident in the trenches. The natural ground level has been truncated by modern ploughing with little topsoil cover present, however, there is no evidence to suggest possible archaeological remains would have been truncated too severely.

4.2 Recommendations

4.2.1 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 45	5								
General de	escription				Orientation	 	NNW-SSE		
			Avg. depth	0.4					
Trench devoverlying a			Width (m)	2					
overlying a	Halurai Oi	ciay.			Length (m)	30			
Contexts									
context no	type	Width (m)	Depth (m)	comment	finds	date			
4299	Layer	-	0.4	Topsoil	-	-			
Trench 45	6								
General de	escription	l			Orientation	1	NW-SE		
					Avg. depth	(m)	0.4		
Trench devoverlying a			Consists of	of topsoil and subsoil	Width (m)		2		
overlying a	Haturai Oi	ciay.			Length (m)		30		
Contexts							1		
context no	type	Width (m)	Depth (m)	comment	finds	finds da			
4299	Layer	-	0.4	Topsoil	-	-			
Trench 45	7								
General d	escription				Orientation	N-S			
_					Avg. depth	0.4			
Trench devoverlying a			Consists of	of topsoil and subsoil	Width (m)		2		
		o.c.y.			Length (m)	30			
Contexts									
context no	type	Width (m)	Depth (m)	comment	finds	finds da			
4000									
4299	Layer	-	0.3	Topsoil	-		-		
	Layer	-	0.3	Topsoil Subsoil	-		-		
4299 4300 Trench 45	Layer				-				
4300	Layer	-			- - Orientation	1			
4300 Trench 45 General de	Layer 8 escription	-	0.1	Subsoil	-		-		
4300 Trench 45 General de	Layer 8 escription void of arch	naeology.	0.1		- Orientation		E-W		
4300 Trench 45 General de	Layer 8 escription void of arch	naeology.	0.1	Subsoil	Orientation Avg. depth	(m)	E-W 0.4		
4300 Trench 45 General de	Layer 8 escription void of arch	naeology.	0.1	Subsoil	Orientation Avg. depth Width (m)	(m)	E-W 0.4 2		
4300 Trench 45 General delayorench delay	Layer 8 escription void of arch	naeology.	0.1	Subsoil	Orientation Avg. depth Width (m)	(m)	E-W 0.4 2		
Trench 45 General de overlying a Contexts context	Layer 8 escription void of arch natural of	naeology.	0.1 Consists of	Subsoil of topsoil and subsoil	Orientation Avg. depth Width (m) Length (m)	(m)	E-W 0.4 2 30		



Trench 459	9					
General de	escription				Orientation	N-S
			Avg. depth (m)	0.4		
Trench dev overlying a			Width (m)	2		
ovorrymig a	natarar or	oldy.	Length (m)	30		
Contexts					·	·
context no	type	Width (m)	Depth (m)	comment	finds	date
4297	Layer	-	0.3	Topsoil	-	-
4298	Layer	-	0.1	Subsoil	-	-
Trench 460)					
General de	escription				Orientation	E-W
			_		Avg. depth (m)	0.3
Trench dev overlying a			of topsoil and subsoil	Width (m)	2	
o.onymig a	atarar or	J.a.y.			Length (m)	30
Contexts						
context no	type	Width (m)	Depth (m)	comment	finds	date
4297	Layer	-	0.2	Topsoil	-	-
4298	Layer	-	0.1	Subsoil	-	-



APPENDIX B. B	IBLIOGRA	APHY
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)
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), <i>The Archaeology of Essex to AD 1500</i> , CBA Research Report 34
Drury, P. J. & Rodwell, W.,	1986	'Settlement in the Later Iron Age and Roman periods', in Buckley, B. G., (eds), <i>The Archaeology of Essex to AD 1500</i> . CBA Research Report 34
Hedges,	1984	'The Neolithic in Essex', in Buckley, B. G., (eds), <i>The Archaeology of Essex to AD 1500</i> . 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)
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)
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. Essex. East Anglian Archaeology Report No. 111



URS 2013 Beaulieu Park, Chelmsford, Essex: Archaeological Investigation and Mitigation Strategy. (Unpublished Archaeological Design)

willigation Strategy. (Onpublished Archaeological Design)

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 C. OASIS REPORT FORM

Project De	etails										
OASIS Number oxford			dar3-236511								
Project Name Beaulie			eu, Chelmsford, Essex Gas diversion route								
Project Dates (fieldwork) Start				30-08-2015 Finish			05-	05-09-2015			
Previous Work (by OA East)				Yes Future V			Wo	Vork No			
Project Refe	erence	Codes	}								
Site Code	SPBP 15				ing App	ng App. No.		09/01	314/EIA		
HER No.	sp bp 15			Related HER/OASIS No			lo.	· oxfordar3-152484,			
Type of Proj	ect/Tec	hniqu	es Use	d							
Prompt		Foo	d and Env	rironmental Pro	tection A	ct 1985 (F	EPA) Part	II			
Developmen	t Type	Hou	sing Estat	te							
Please sele	ect all	techn	iques	used:							
Aerial Photo	ography -	interpret	tation	☐ Grab-Sa	mpling] Remo	ote Operated Vehicle Survey	
Aerial Photo	ography -	new		Gravity-C		⋉ Sar] Samp	ample Trenches		
☐ Annotated S	Sketch			☐ Laser Scanning				☐ Survey/Recording Of Fabric/Structure			re
☐ Augering				☐ Measured Survey				☐ Targeted Trenches			
☐ Dendrochro	nological	Survey		☐ Metal Detectors				☐ Test Pits			
☐ Documenta	ry Search			☐ Phosphate Survey				☐ Topographic Survey			
☐ Environmen	ital Sampl	ling		☐ Photogrammetric Survey				☐ Vibro-core			
☐ Fieldwalking	9			☐ Photographic Survey				☐ Visual Inspection (Initial Site Visit)			
Geophysica	l Survey			Rectified Photography			-				
Monument	Types/\$	Signifi	cant Fi	nds & Their	Period	ls					
		_					nd significa	nt fin	ds usin	ng the MDA Object type	
Thesaurus	together	with thei	ir respecti	ve periods. If n	o features	s/finds we	re found, pl	ease	state '	"none".	
Monument		- 1	Period			Object			Period		
			Select p	eriod					Select period		
			Select p	eriod					Select period		
			Select p	eriod					Select period		
Project Lo	ocatio	n									
County	essex					Site Address (including			ling p	ostcode if possible)	
District Chelmsford					land of White Hart Lane,						
Parish	Springfi	ield			CHelmsford CM2 6TD						
HER	SP BP	15									
Study Area 0.3ha						National Grid Reference			ence	TL 7187 1004	

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Project Archi	ves								
Physical Archive			Digital A	Archive		Paper Archive			
chelmsford museum	1		OA East			chelmsford m	chelmsford museum		
SP BP 15			SPBP 15	5		SPBP 15			
Archive Content	s/Media								
	Physical Contents	Digital Contents	Paper Contents		Digital Me	dia	Paper Media		
Animal Bones					☐ Database		Aerial Photos		
Ceramics					⋉ GIS		▼ Context Sheet		
Environmental			☐ Geophysic		cs	▼ Correspondence			
Glass					x Images		Diary		
Human Bones			☐ Illustratio		☐ Illustration	IS	▼ Drawing		
Industrial					☐ Moving Im	nage	Manuscript		
Leather	Leather					eets	⋉ Мар		
Metal			☐ X Survey			Matrices			
Stratigraphic			☐ X Text			Microfilm			
Survey		☐ Virtual Real		ality	☐ Misc.				
Textiles						☐ Research/Notes			
Wood							× Photos		
Worked Bone							× Plans		
Worked Stone/Lithic							▼ Report		
None							▼ Sections		
Other							▼ Survey		
Notes:									

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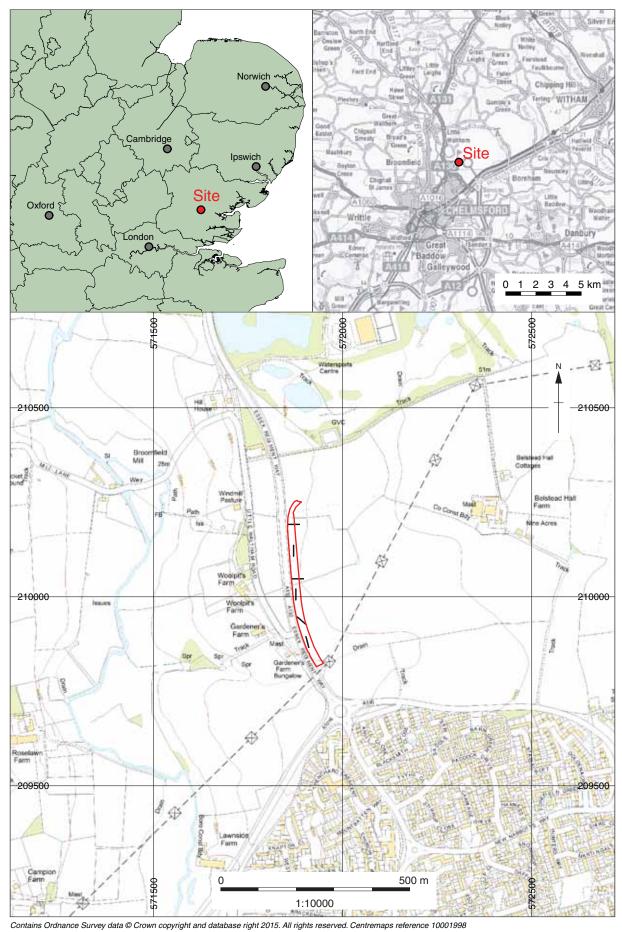


Figure 1: Site location showing archaeological trenches (black) in development area (red)

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Plate 1: Trench 455 looking from north



Plate 2: Trench 457 looking from north



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