Works to the south of David S Smith packaging site Fordham Road Fordham



Archaeological Evaluation Report



September 2015

Client: SDC Builders LTD

OA East Report No: 1836 OASIS No: oxfordar3-224439

NGR: TL 6328 6808



Works to the south of David S Smith packaging site, Fordham Road, Fordham

Archaeological Evaluation

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Report Date: September 2015

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Report Number: 1836

Site Name: David S Smith Corrugated Limited, Fordham Road, Fordham

HER Event No: ECB4537

Date of Works: September 2015

Client Name: SDC Builders LTD

Client Ref:

Planning Ref: 15/00478/FUM

Grid Ref: TL 6328 6808

Site Code: ECB4537

Finance Code: FORFOR15

Receiving Body: CCC Stores

Accession No:

Prepared by: Anthony Haskins

Position: Fieldwork Project Officer Date: 21st September 2015

Checked by: Aileen Connor

Position: Senior Project Manager Date: 23rd September 2015

Signed:

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Plate 3. East-facing section of Trench 2, showing modern overburden



Summary

In September 2015, Oxford Archaeology East excavated five trenches to the south of the David S Smith site on Fordham Road, Fordham (TL 6328 6808). Two of the trenches were excavated onto undisturbed natural chalk. The remaining three trenches demonstrated evidence for extensive machine truncation of the natural chalk. No archaeological features or deposits were identified in any of the five trenches.





1 Introduction

1.1 Location and scope of work

- 1.1.1 An archaeological evaluation was conducted at the southern end of the David S Smith site, Fordham Road, Fordham (TL 6328 6808).
- 1.1.2 This archaeological evaluation was undertaken in accordance with a Brief issued by Gemma Stewart of Cambridgeshire County Council (CCC; Planning Application 15/00478/FUM), supplemented by a Specification prepared by OA East (Connor 2015).
- 1.1.3 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.
- 1.1.4 The site archive is currently held by OA East and will be deposited with the appropriate county store in due course.

1.2 Geology and topography

- 1.2.1 The site lies on the edge of two geological formations. Their boundary runs north-east to south-west. The bedrock, to the north, forms part of the West Melbury Marly Chalk Formation. To the south, the bedrock is part of the Zig Zag Chalk formation. There are no recorded overlying superficial deposits. Extensive deposits of alluvium and sand are located along the valley of the river Snail to the east of the development and near Fordham itself (British Geological Survey).
- 1.2.2 Fordham lies on a spit of typical argillic brown earth of the Moulton association. This runs north to south. On either side of this spit lie grey redzinas of the Wantage 2 association, with a small outcrop of earthy-amorphous peat of the Adventurers' 2 association to the east (SSEW 1983).
- 1.2.3 The River Snail lies 500m to the east of the site. New River is 200m to the west. The prehistoric fen edge is several kilometres to the west and north.
- 1.2.4 The proposed development site is situated at the base of a south facing slope that rises to 16m aOD to the north (towards Fordham Road). This forms the southern end of a low ridge on which Fordham and Soham are located, with low lying fen to both east and west. Low hills at c.30m aOD are located to the south, towards Exning, and east, at Snailwell, continuing south the land undulates but gradually rises in elevation, that reaches its peak southeast of Newmarket, at approximately 100m aOD.

1.3 Archaeological and historical background

1.3.1 The proposed site lies within an area of high archaeological interest. During excavations preceding the construction of the Fordham Bypass, many Bronze and Iron Age finds and features were recorded (ECB747, ECB2043). In 1996, Cambridge Council Council excavated the area, now under the southern factory buildings, and found evidence of intense Bronze Age and Iron Age activity (MCB16109). To the north and west of the development, there are records of earthworks. There is also evidence for Roman and Iron Age settlement to the south and east.



Mesolithic

1.3.2 Three possible Mesolithic flint blades were found 900m to the north of the development site (HER 07433A). Seven other Mesolithic findspots are also present throughout the Fordham landscape.

Neolithic and Early Bronze Age

- 1.3.3 Excavation prior to the construction of the Fordham Bypass (CB 14997), 600m north of the site, revealed an extensive area of buried land surface (Mortimer 2005). This contained a large Neolithic finds assemblage, and a probable Neolithic burial, along with pits dated between the early Neolithic and Early Iron Age.
- 1.3.4 The 1996 excavation, immediately and north of the proposed site (MCB16109), recovered Neolithic pottery and struck flints (Connor 1996). The evaluation of the factory site (MCB19626) recovered Beaker pottery, indicating domestic activity. Two ring-ditches were investigated, one with a burial at its centre. Other ditches contained Late Neolithic/Early Bronze Age finds. A large assemblage of Late Neolithic/Early Bronze Age pottery was also recovered from the site.
- 1.3.5 Further excavation work 800m north of the site and south of the Fordham bypass also revealed early prehistoric activity associated with the Late Neolithic and Early Bronze Age (MCB19626; Gilmour 2015).

Bronze Age and Early Iron Age

- 1.3.6 Cropmarks and associated worked and burnt flints dating from the Bronze Age were found immediately north and approximately 900m north east of the site (CHER 07433 and CHER 07745 respectively). Other recorded but undated cropmarks, probably ring ditches and enclosures (HER 09025, 09026) are clustered to the north of the site. There is a ring ditch 250m south-east of the site and a rectangular enclosure 100m to the west (HER 11105 and 10314).
- 1.3.7 Excavation at the southern end of the Fordham Bypass (ECB 747), 800 metres north of the proposed site, found evidence of timber buildings, fence lines, and a field system, all of which date to between the Early Bronze Age and Late Iron Age. A large Late Bronze Age shaft was found dug into a solution hollow. Iron Age Quarry pits were also reported (Mortimer 2005).
- 1.3.8 The excavation area immediately north of the site (ECB 1736/MCB16109) revealed several phases of large sub-rectangular and D-shaped enclosures, as well as other smaller enclosures and ditches. Domestic features, finds, and these earthworks are evidence for occupation on the site from the Bronze Age into the Early Iron Age (Connor 1996).
- 1.3.9 Between the 1996 excavation site and the proposed development lies a sequence of parallel ditches, forming the southern boundary of the settlement. These ditches date to the latter phase of Bronze Age occupation(MCB16109).
- 1.3.10 Evidence for a number of Bronze Age barrows, burials, and cremations were recovered during excavation works to the north of Turners Yard (Gilmour 2015). A late Bronze Age cremation cemetery of 21 cremations was also recovered during these excavations.

Iron Age and Roman



- 1.3.11 Towards Snailwell, 1km south-east of the site, Iron Age material has been recorded (CHER 7742). 600m north-east of the development at Snailwell Fen, finds and features dating from the Iron Age and Roman period have been recorded (CHER 07435, CHER07745A, CHER07746). Fieldwalking in this area also reported the presence of several scatters of Roman and Iron Age pottery (MCB 20063).
- 1.3.12 Approximately 500m north-east of the proposed site is a designated Roman Villa (HER 07483). Excavation has dated the villa to the 1st and 2nd century. The presence of hypocaust and painted plaster suggests it may have been a significant building, but its extent is uncertain. One kilometre to the south-east of the devlopement is an area of significant Roman archaeology including, a Roman cremation burial (HER07743, HER07434).
- 1.3.13 The Fordham Bypass excavations (CB14997) revealed what is thought to be a Roman road, running north-south, with a roadside ditch. A Roman inhumation was also excavated in this area. Another roadway, running NNE-SSW, dates to the late Roman period, with evidence of use into the early Saxon period (MCB16946). The line of the second road has also been identified in Exning village (Haskins 2014). Romano-British ditches were also identified during the excavation to the north of the Turners Yard (Gilmour 2015), although no finds or, settlement evidence were recovered.

Saxon and Early Medieval

1.3.14 The modern Fordham Road runs along a headland that may have been the route of the medieval road to Ely (MCB16946). Within Snailwell, Anglo-Saxon pottery has been recorded (HER07742A). Anglo-Saxon material was also recovered from the Fordham Bypass excavations (CB14997; Mortimer 2005).

Later medieval and Post-medieval

- 1.3.15 To the east of Newmarket Road, 2km north of the development, is the site of Fordham Abbey. The abbey is made up of several medieval structures and has ornamental gardens associated with it (HER12340).
- 1.3.16 To the west of the site in Fordham, around 1km away, is Saint Nicholas' Church. Originally built in 1445, it was added to and restored throughout the later medieval and post-medieval periods (CB14885).

1.4 Acknowledgements

- 1.4.1 The author would like to thank Moomith Ullah of SDC Builders Ltd. for commissioning the work, and DS Smith Plc. for their assistance on site. Thanks also go to Lloyd Bisgrove for managing the site on behalf of SDC Builders Ltd. The author would also like to thank Aileen Connor (OA East), who managed the project and Gemma Stewart of Cambridgeshire County Council Historic Environment Services who monitored the works.
- 1.4.2 Finally, thanks go to the site staff, Anthony Haskins and Ashley Pooley as well as Charlotte Walton for her illustration, and the site surveyor, David Brown.



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 The Brief prepared by the Cambridgeshire Historic Environment Team required a programme of linear trial trenching on a sample of the site. A total of five trenches measuring 30m x 2.1m were excavated.
- 2.2.2 Machine excavation was carried out under constant archaeological supervision with a 360° mechanical excavator using a toothless ditching bucket.
- 2.2.3 The site survey was carried out by David Brown using a Lecia CS10/GS08 DGPS.
- 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 No environmental samples were collected. Samples for artefact retrieval were only taken from the topsoil in Trench 5 as the other trenches were contaminated with modern material. Metal detecting was also only carried out on Trench 5 for the same reason.
- 2.2.7 It was generally overcast during the works. The site remained dry throughout the works.



3 RESULTS

3.1 Introduction

3.1.1 During the machine stripping it became clear that trenches 2, 3, and 4 were cutting through an area that had been heavily disturbed during the construction of the David S Smith site. Therefore these trenches are presented together below. Trenches 1 and 5 were outside the disturbed area and are presented together. Context information is presented in Appendix A. No finds were recovered from any of the excavated Trenches. The artefact retrieval samples and metal detecting did not produce any finds.

3.2 Trenches 1 and 5 (Fig. 2 and Plates 1 & 2)

- 3.2.1 Trench 1 (Plate 1) was excavated through a 0.25m thick layer of modern topsoil (1) and a 0.15m thick layer of compressed soil (8), presumed to be the original topsoil. Modern material including plastic was recovered from both these layers. Two irregular features (4 and 6) were identified within the trench. The larger (6) was 4.6m by 0.7m in plan and had a depth of 0.08m. It contained a single fill (5) of light greyish-brown clayey silt. The smaller feature (4) was 1.45m by 0.65m and had a depth of 0.15m. It contained a single fill (3) of light greyish-brown clayey silt.
- 3.2.2 Trench 5 (Plate 2) was located outside the area of the disturbed ground on a north-east to south-west alignment. The trench was excavated through a 0.3m thick topsoil (1). No archaeological features were identified within the trench.

3.3 Trenches **2**, **3**, and **4** (Fig. 2 and Plate 3)

- 3.3.1 Trenches 2, 3, and 4 were excavated through an area of land built up during the construction of the David S Smith site in 1997. All three trenches were all excavated to at least 1m depth. A thin topsoil layer (1) c. 0.1m thick overlay a loose chalk-rich backfill (7) that produced modern material, including concrete stanchions, kerbs, and plastic.
- 3.3.2 Trench 2 (Plate 3) was the only trench excavated to the full depth of the modern deposits. This revealed a section 2.55m deep through several layers of redeposited natural and loose modern building rubble. The latter included plastic, concrete stanchions and kerbs. The natural chalk identified at the base of the trench was smooth and flat and was likely to have been machine truncated to this depth. It lay c.2m below the depth of the undisturbed natural in Trench 5.



4 DISCUSSION AND CONCLUSIONS

4.1 Trenches 1 and 5

- 4.1.1 No archaeological deposits or features were identified within Trenches 1 and 5. Trench 1 was inside the area affected by the construction of the David S Smith site and may have been partially truncated. The two features located within this trench are likely to be modern tree throws from the copse removed before trenching began.
- 4.1.2 Trench 5 was outside the area altered during the construction of the DS Smith site and therefore contained undisturbed natural.

4.2 Trenches 2, 3, and 4

4.2.1 Any archaeological deposits within the area of these trenches are likely to have been removed by modern truncation.

4.3 Conclusion

4.3.1 No archaeological features or deposits were identified during the evaluation and it is likely that the built-up bunded area has been heavily truncated during the construction works in 1997.

4.4 Recommendations

4.4.1 Recommendations for any future work based upon this report will be made by the Cambridgeshire Histroci Environment Team.



APPENDIX A. TRENCH DESCRIPTIONS AND CONTEXT INVENTORY

Trench 1							
General de	escription				Orientation		N-S
			Avg. depth (m)		0.4		
The Trench that consis			Width (m)		2.1		
triat corrore	10 01 0011 a	na a com	Length (m)		30		
Contexts							
context no	type	width (m)	depth (m)	comment	finds	da	ate
1	Layer	-	0.25	Topsoil	-		-
2	Layer	-	-	Natural	-		-
3	Fill	0.65	0.15	Fill of 4	-		-
4	Cut	0.65	0.15	Cut of tree throw	-		-
5	Fill	0.7	0.08	Fill of 6	-		-
6	Cut	0.7	0.08	Cut of tree throw	-		-
8	Layer	-	0.15	Compressed soil			-
Trench 2							
General de	escription	l			Orientation		NNW-SSE
				Avg. depth	(m)	1.0	
Trench exc redeposite			Width (m)		2.1 – 6.0		
reacposite	a riaturai. V	эксррса с	Length (m)		30		
Contexts							
context no	type	width (m)	depth (m)	comment	finds da		ate
1	Layer	-	0.1	Topsoil	-		-
7	Layer	-	2.45	Modern redeposited material	- Modern		า (1997)
Trench 3							
General de	escription	l			Orientation		NNW-SSE
					Avg. depth (m)		1.0
Trench exc redeposite		ough tops	soil and m	odern disturbed rubble and	Width (m)		2.1
redeposite	u Haturai.		Length (m)		30		
Contexts					-		
context no	type width depth comment finds da				ate		
1	Layer	-	0.1	Topsoil	-		-
7	Layer	-	0.9	Modern redeposited material	-	Moderi	า (1997)
Trench 4							



			Avg. depth	1.0			
Trench exc redeposited		Width (m)	2.1				
Todopoono	a riatarai.		Length (m)		30		
Contexts							
context no	type	width (m)	depth (m)	comment	finds	da	ate
1	Layer	-	0.1	Topsoil	-		-
7	Layer	-	0.9	Modern redeposited material	- Modern		า (1997)
Trench 5							
General de	escription	Orientation	NE-SW				
			Avg. depth	0.35			
Trench dev natural.	oid of arch	naeology.	Excavate	d through topsoil onto chalk	Width (m)	2.1	
riatarar.			Length (m)		30		
Contexts							
context no	type	width (m)	depth (m)	comment	finds	da	ate
			+		+		



APPENDIX B. BIBLIOGRAPHY

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APPENDIX C. OASIS REPORT FORM

All fields are required unless they are not applicable.

Project De	etails								
OASIS Num	nber	oxfordar3-224439)						
Project Name Works to the south of David S Smith packaging site, Fordham Road, Fordham							lham		
Project Date	es (field	work) Start	14-09-2015 Fin			15-09-2015			
Previous Wo	ork (by	OA East)	No		Future Work Unknow		nknown		
Project Refe	erence	Codes							
Site Code	ECB45	37		Planning Ap	o. No.	15/0	0478/FUM		
HER No.	ECB45	37	Related HER/OASIS No			lo.).		
Type of Proj	ject/Tec	hniques Use	d			<u> </u>			
Prompt		Direction from	n Local Plannin	g Authority - PPS	5				
Developmen	t Type	Rural Comme	rcial						
Please sel	ect all	techniques	used:						
Aerial Photo	ography -	interpretation	☐ Grab-Sa	Grab-Sampling			Remote Operated Vehicle Survey		
Aerial Photography - new			Gravity-Core			× Sam	▼ Sample Trenches		
Annotated S	Sketch		Laser Scanning			Surv	☐ Survey/Recording Of Fabric/Structure		
☐ Augering			☐ Measured Survey			☐ Targ	eted Trenches		
☐ Dendrochro	nological	Survey	☐ Metal Detectors			☐ Test Pits			
☐ Documenta	ry Search	ı	☐ Phosphate Survey			☐ Topographic Survey			
☐ Environmental Sampling			☐ Photogrammetric Survey			☐ Vibro	☐ Vibro-core		
☐ Fieldwalking		☐ Photographic Survey			☐ Visual Inspection (Initial Site Visit)				
☐ Geophysica	l Survey		Rectified Photography						
List feature typ	es using t	Significant Fi the NMR Mon with their respecti	ument Type	e Thesaurus	-		ng the MDA Object type "none".		
Monument Period			Objec	Object		Period			
none		Select p	eriod	none	none		Select period		
		Select p	eriod				Select period		
		Select p	eriod				Select period		

Project Location



County	Cambridgeshire			Site Address (including postcode if possible)						
District	East Cambridgshire				Fordham Plant, Packaging Division, Fordham Road,					
Parish	Fordham				Newmarket, CB8 7TX					
HER	Cambridgeshir	re								
Study Area	6000 sq. m				National Grid Reference TL 6328 6808					
Project Or	iginators						'			
Organisation		OA EAS	T							$\overline{1}$
Project Brief	Originator	Gemma	Stewart							<u> </u>
Project Design	gn Originator	Aileen C	onnor and	Ted Leverm	nore					
Project Mana	ager	Aileen C	onnor							
Supervisor		Anthony	Haskins							
Project Ar	chives									
Physical Arcl	nive		Digital Archive			Paper Archive				
N/A			OA East			ccc				
N/A				ECB4537			ECB4537			
Archive Con	tonte/Modia	<u> </u>	202.00				20210			
Alcilive Coll				1						
	Physical Contents	Digital Contents	Paper Contents			Digital Me	dia	P	aper Media	
Animal Bones						Database			Aerial Photos	
Ceramics						⋉ GIS		×	Context Sheet	
Environmental						Geophysic	cs		Correspondence	
Glass					▼ Images] Diary	
Human Bones						□ Illustrations			Drawing	
Industrial						☐ Moving Image			Manuscript	
Leather						Spreadsheets			☐ Map	
Metal						✓ Survey		l	☐ Matrices	
Stratigraphic						▼ Text				
Survey						 ☐ Virtual Re	ality		Misc.	
Textiles							,		Research/Notes	
Wood									Photos	
Worked Bone									Plans	
Worked Stone/L	ithic								Report	
None	$\overline{\times}$	$\overline{\times}$	×						Sections	
Other] Survey	



Notes:	

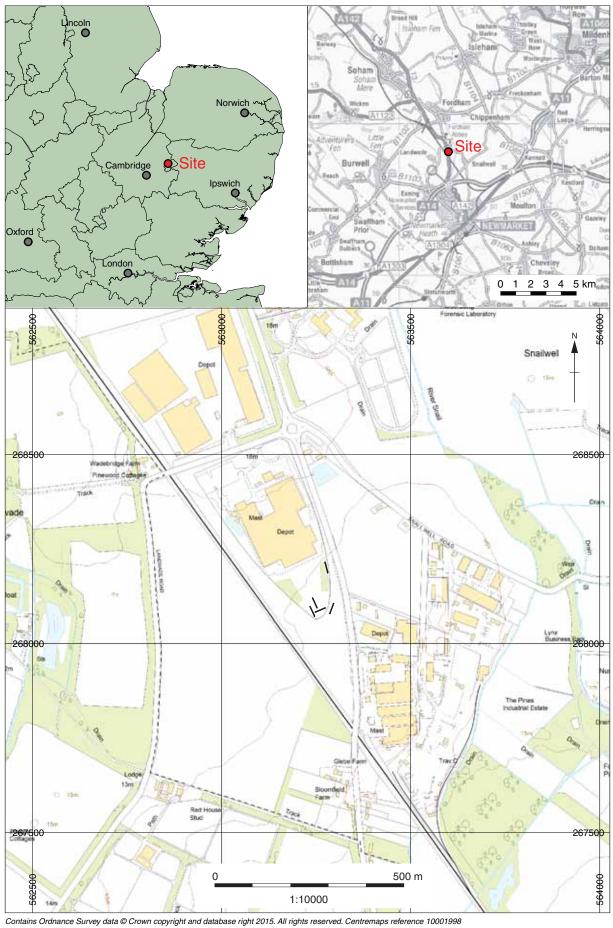


Figure 1: Site location showing archaeological trenches (black)



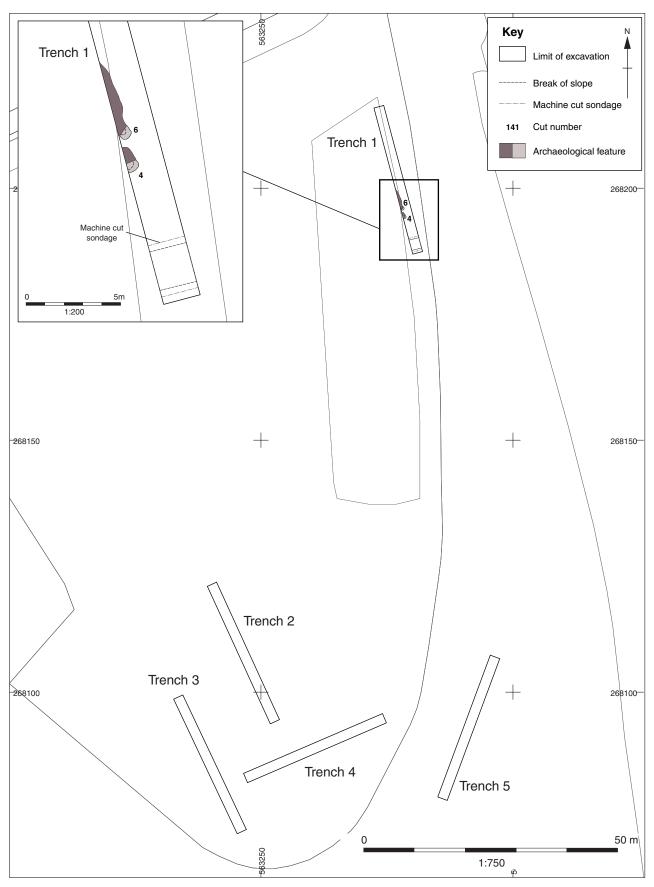


Figure 2: Plan of evaluation trenches

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Plate 1: Trench 1, looking north



Plate 2: Trench 5, looking north-east



Plate 3: East-facing section of Trench 2, showing modern overburden

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