

Archaeological Services & Consultancy Ltd

ARCHAEOLOGICAL EVALUATION: LAND AT POCKET'S DELL BOVINGDON BRICKWORKS BOVINGDON HERTFORDSHIRE

NGR: TL 5000 0328 (centre)

on behalf of Bovingdon Brickworks Ltd



Martin Cuthbert BA (Hons) PIFA

September 2011

ASC: 1318/BBW/2

ISO 9001:2008

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Site Data

ASC project code:	BBW		ASC project no:	1318		
OASIS ref:	Archaeol2-108561		Event/Accession no:	DACHT: 4416		
County:		Hertford	shire			
Village/Town:		Bovingdo	on			
Civil Parish:		Bovingdo	on			
NGR (to 8 figs):		TL 5000	0328 (centre)			
Extent of site:		8.6 hecta	res			
Present use:		Agricultural				
Planning proposal:		Extraction of clay for brickmaking				
Planning application	ref/date:	n/a				
Local Planning Author	ority:	Dacorum Borough Council				
Date of fieldwork:		August 2011				
Client:		Bovingdon Brickworks Ltd				
		Ley Hill Road				
		Bovingdon				
		Herts				
		HP3 0NW				
Contact name:		Les Cook				

Internal Quality Check

Martin Cuthbert	Date:	5 th September 2011
	Date:	
	Date:	5 th September 2011
	Martin Cuthbert	Date:

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Figure 1: General location (*scale 1:25,000*)

Summary

In August 2011 an archaeological trial trench evaluation was carried out on a piece of land at Pocket's Dell, Bovingdon, Hertfordshire to inform proposals for clay extraction. Twenty-nine archaeologically supervised trenches were excavated within the proposed development. All areas were cleaned to determine the presence of archaeological remains and the spoil heaps were visually scanned looking for the presence of archaeological artefacts, but none were recovered. Trenches 1-28 contained no significant archaeological remains, whilst trench 29 contained a single undated pit, containing evidence of in-situ burning.

1. Introduction

1.1 In August 2011 Archaeological Services and Consultancy Ltd (ASC) carried out an evaluation of land at Pocket's Dell, Bovingdon, Hertfordshire. The project was commissioned by Bovingdon Brickworks Ltd, and has been defined in discussions with the Hertfordshire County Council Historic Environment Unit, archaeological advisors (AA) to the local planning authority (LPA), Dacorum Borough Council, and a project design prepared by ASC (Zeepvat 2010).

1.2 Planning Background

This evaluation was required under the terms of *Planning Policy Statement 5* (PPS5), in order to inform proposals for the development of the site.

1.3 Archaeological Services & Consultancy Ltd

ASC is an independent archaeological practice providing a full range of archaeological services including consultancy, field evaluation, mitigation and post-excavation studies, historic building recording and analysis. ASC is recognised as a *Registered Organisation* by the Institute for Archaeologists and is also accredited ISO 9001, in recognition of its high standards and working practices.

1.4 The Site

1.4.1 Location & Description

Bovingdon Brickworks is located in the civil parish of Bovingdon, within Dacorum Borough, just over one kilometre south-west of the centre of Bovingdon village, and immediately south of Bovingdon airfield (Fig. 1). The brickworks are on the south-east side of Ley Hill Lane: clay is extracted from a land parcel to the north-west of the lane, bordered to the north and west by the B4505 Chesham Road, and to the south by Pocketsdell Lane. Extraction is largely complete in the east quarter of the field, south of Whelpley Ash Farm: currently extraction is proceeding in a south-westerly direction from this area. The unextracted parts of the land parcel are currently in agricultural use.

The proposed extension to the extraction area which forms the subject of this investigation comprises an 'L' shaped parcel of land. The area is c.150m wide at its southern end and 350m wide at the northern end. The area is located immediately north-west of the area of extraction for which consent has been

obtained. The extension area covers 12.25ha, centred on NGR TL 5000 0328 (Fig. 2).

1.4.2 Geology & Topography

The proposed extraction area is located on a south-facing slope, falling from c.163 m AOD in the north-west corner to c.158 m AOD about two-thirds of the way south across the area, at which point there is a pond adjacent to the southeast boundary. From this pond, a dry valley falls to the west, from 158m at the pond to 154m AOD at the south-west corner of the extraction area.

Soils in the vicinity of the proposed extraction area belong to the Batcombe association, described as 'Fine silty over clayey and fine loamy over clayey soils with permeable subsoils and slight seasonal waterlogging' (Soil Survey 1983, 582a). The underlying solid geology comprises Kimmeridge clay (BGS, Sheet 235).

1.5 Previous Archaeological Works

Prior to the commencement of clay extraction at Pocket's Dell, an archaeological desk-based assessment of the site was prepared for the present clients by ASC (Zeepvat 1998). This was followed by machine trial trenching (Hunn 1999) and fieldwalking (Hunn 1999) of the area initially designated for extraction at the east end of the field. The reports on these investigations record that, apart from modern brick and tile fragments, the fieldwalking recovered only a single worked flint, and the evaluation did not reveal any significant archaeological features or deposits.

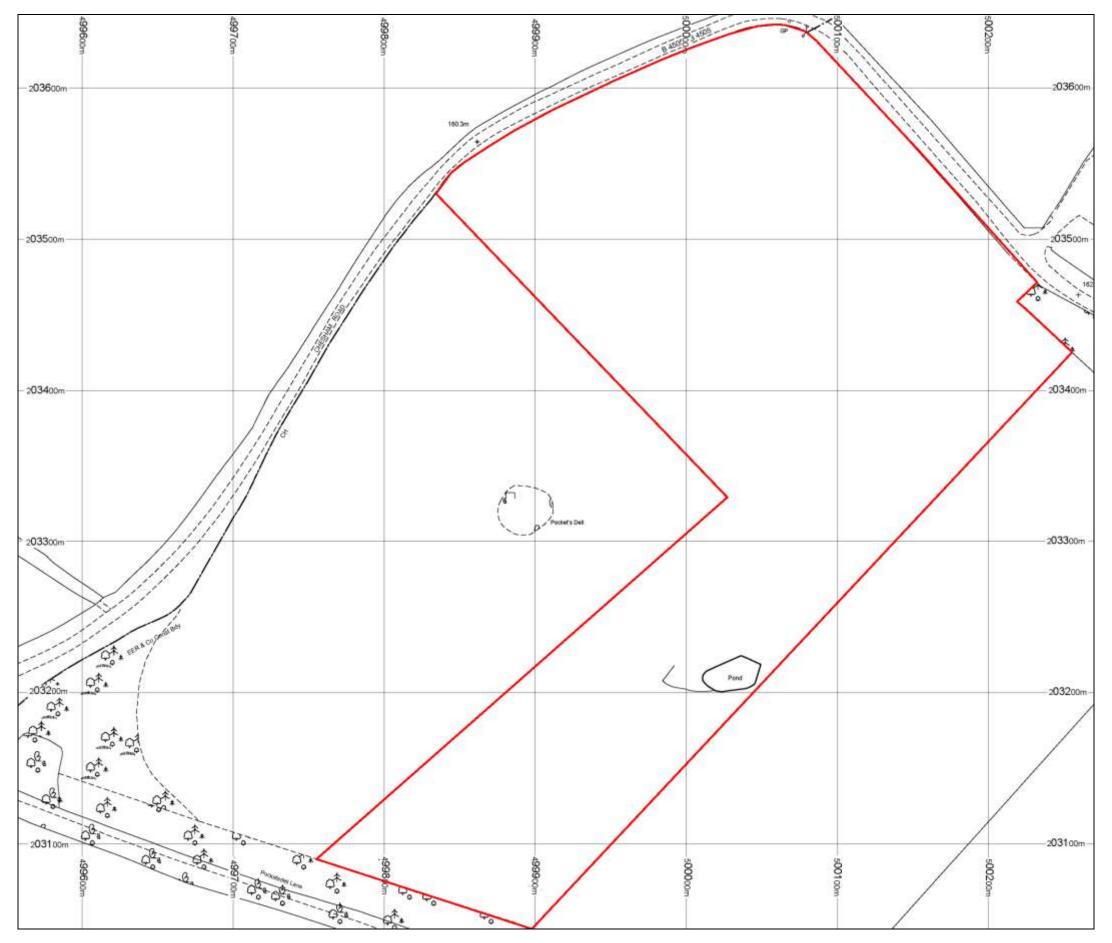


Figure 2: Proposed extraction area (*scale 1:2500*)

2. Aims & Methods

2.1 *Aims*

As described in the project design (Section 3.1), the aims of the evaluation were:

• To obtain sufficient information to establish the extent, character, quality, date and condition of any archaeological features which may be affected by the proposed clay extraction.

2.2 Standards

The work conformed to the project design, to the relevant sections of the Institute for Archaeologists' *Code of Conduct* (IFA 2000) and *Standard & Guidance Notes* (IFA 2001), to the Association of Local Government Archaeological Officers East of England Region *Standards for Field Archaeology in the East of England* (ALGAO 2003), and to the relevant sections of ASC's own *Operations Manual*.

2.3 *Methods*

The work was carried out according to the project design (Section 3.3), which required:

- Machine excavation of a pattern of trial trenches, amounting to a 2% sample of the proposed extraction area, sited so as to provide as full coverage of the area as possible. Trench locations are shown in Figure 3.
- Recording and sampling of any archaeological features or deposits revealed in the trenches.
- Provision of a contingency for up to a further 1% of trenching, in order to further investigate any significant archaeological features

2.4 *Constraints*

Constraints other than those identified in the project design were not encountered during the excavation fieldwork.

3. Archaeological & Historical Background

3.1 The following section provides a summary of the readily available archaeological and historical background to the development site and its environs. The site lies within an area of archaeological and historical interest, and has the potential to reveal evidence of a range of periods.

The Historic Environment Records for Hertfordshire (HHER) and Buckinghamshire (BHER) record few relevant archaeological sites or findspots within the site or immediately surrounding area. The BHER contains only one reference: the HHER contains five, two of which (5479, 5490) are historic post-boxes. Therefore, in order to provide an archaeological background to the study area, this section draws on information from a wider area, encompassing the surrounding part of the Chiltern plateau, based largely upon recent studies (e.g. Farley 2010), the desk-based assessment (Zeepvat 1998), and ASC's reference collection.

3.2 **Prehistoric** (before 600BC)

Relatively little is known regarding prehistoric occupation and activity on the Chiltern plateau. Holgate (1995, 15) notes that much work remains to be done in this area. To date, most of the evidence for earlier prehistoric occupation (*i.e.* prior to the Bronze Age) has been recovered from lower-lying ground in the river valleys cutting the Chilterns. Isolated finds of Neolithic and Bronze Age flints have been recorded between Botley and Ley Hill, 2km south-west of the assessment site (Stainton 1995, fig. 51), but these are typical of discoveries made elsewhere on the Chiltern plateau. Bronze Age activity in the Chilterns is most notably marked by a concentration of barrows and ring ditches along the Chiltern scarp, well to the west and north of the assessment site, but by few other sites or finds elsewhere. It is generally supposed that much of the Chiltern plateau was covered by deciduous woodland from about the 7th millennium BC (*ibid*, but see Farley 1995, 28-29), which initially inhibited settlement but was subsequently cleared in a piecemeal way through the later Bronze Age, the Iron Age, and into the Roman period.

3.3 *Iron Age* (600BC-AD43)

The two known archaeological sites within the study area are both of probable Iron Age date. At Whelpley Hill, Bucks, 1km NNW of the site, is a small oval univallate hillfort (BHER 0022), encompassing an area of about 1.5ha. The site has never been excavated, and appears to have escaped damage by ploughing: consequently little is known about it. Moving into Hertfordshire, the cropmark of a rectilinear enclosure (HHER 9202) has been identified at Bovingdon Green, c.900m ESE of the extraction site. Its date is unknown, but it could be Iron Age.

3.4 **Roman** (AD43-c.450)

During the Roman period, the Chilterns came within the tribal territory or *civitas* of the *Catuvellauni*, with its capital at *Verulamium* (Branigan 1987). Once again, most evidence for this period has come from the river valleys cutting through the Chilterns. To the north, the Roman *Akeman Street* followed the Bulbourne valley, and many sites and finds are known along its route, including the villas at Northchurch and Boxmoor

(Neal 1976) and the industrial settlement at Cow Roast (Zeepvat 1997). To the south, a number of Roman sites have been identified in the Chess valley, notably the villa at Latimer (Branigan 1971). On higher ground, 'native' occupation sites have been recognised in the Ashridge area (Morris & Wainwright 1995), and at Crawleys Lane and Stony Lane during the construction of the A41 Kings Langley - Berkhamsted bypass (McDonald 1995), but all are some distance from the extraction site.

3.5 **Saxon** (c.450-1066)

There is no entry for Bovingdon in the Domesday Survey of 1086, during which time the area lay within the parish of Hemel Hempstead. The parish church of St. Lawrence, which was built in the early 13th century, may stand on the site of a Saxon building, as indications of earlier work were noted during mid-19th century restoration works (HHER 936).

3.6 *Medieval* (1066-1500)

The name 'Bovingdon' first appears c.1200 as Bovyndon. While this has been translated elsewhere (Bovingdon Green, Bucks: Bovington, Dorset) as bufan dune ('above the down'), it is difficult to see how this can be applied to the Hertfordshire village, which is located in a depression in the Chiltern plateau. It is possible that the first part is a personal name, Bofa (Gover et al 1970, 29). Page (1971, 222) notes that in early times Bovingdon appears to have consisted of woodland and waste and in 1289-90, when it comprised 10 acres of wood and 254 acres of wasteland.

3.7 *Post-Medieval* (1500-1900)

Bovingdon appears on early maps of Hertfordshire (e.g. Seller's 1676: Dury and Andrews' 1779), but at too small a scale to be of any real use. The earliest map showing the site in any detail is the Tithe Map of 1838 (Herts CRO DSA 4 22/1). At this time the site consisted of a number of small fields, bounded as now by Chesham Road, Ley Hill Road and Pocket's Dell Lane. Whelpley Ash Farm is shown, as are the cottages to the north of the Chesham Road - Ley Hill Road junction, and on Ley Hill Road to the south of Pudd's Cross. To the west of the extraction area Pockets Dell Farm is also shown.

3.8 *Modern* (1900-present)

During the 19^{th} century, improvements and changes in agricultural practice appear to have led to a gradual amalgamation and enlargement of fields in and around the extraction area. On the 2^{nd} Edition Ordnance Survey map of 1898 three land units remain close to Whelpley Ash Farm, but the rest of the land parcel has been amalgamated into a single field of some 25 - 26 acres.

Bovingdon airfield, immediately north-west of the site, was developed during 1941/2 by John Laing & Son Ltd and was initially home to No.7 Group, Bomber Command. It was allocated to the USAAF, and from 1943 to 1963 it was known as US Air Station 112. It served as a major heavy bomber operational training base for B17 crews until the end of the Second World War (www.bovingdon.org/index.htm).

4 Results

4.1 General

- 4.1.1 This section provides a summary of the results of the evaluation. Full descriptions of the trenches, in tabulated form, are provided in Appendix 1.
- 4.1.2 Twenty-nine trenches were excavated across the development area. The trenches were opened using a mechanical excavator fitted with a 1.8m wide toothless ditching bucket, working under archaeological supervision. Basic trench information was recorded on pro-forma sheets and a photographic record was compiled. The spoil heaps were visually scanned looking for the presence of archaeological artefacts, but none were recovered.

4.2 *Stratigraphy*

The general stratigraphy of the trenches was the same across the whole site and comprised:

- *Ploughsoil*: Loose, dark brown silty clay loam, 0.20-0.30m deep.
- *Natural:* Firm, orange-yellow clay with occasional flint inclusions.

4.3 *Trenches 1-28*

Trench 7: A NW-SE aligned linear feature [702] was revealed c.15m from the trenches southwestern end (Plate 1). A slot excavated through the feature revealed a shallow, 0.2m, irregular profile. This feature is the remnants of a modern hedge line (Plate 4).

Trenches 9 & 11: A NE-SW aligned linear feature [908] was revealed within trench 9 (Plate 3). A slot excavated through the feature revealed a shallow, 0.1m deep, irregular profile. A NE-SW aligned ephemeral linear feature revealed within trench 11 is believed to be the same feature (Plate 2). Both features are the remnants of a modern hedge line (Plate 4). Five sub-circular features were revealed at the southern end of trench 9, three were excavated and all displayed irregular, shallow profiles (Plate 5). The fills of these features were also very similar and comprised: compact, dark brown silty clay with occasional small fire cracked flint inclusions. These features are the remnants of burnt plant root holes.

The 28 trenches were devoid of significant archaeological features.

4.4 *Trench* **29** (Figs 3, 4 & 5: Plates 6 & 7)

A circular pit [2902] was revealed c.22m from the trenches southern end. The pit measured 1m in diameter and 0.25m deep and displayed a gradual bowl shape profile. Three distinct fills were present within the pit. The primary fill (2906) and tertiary fill (2903) comprised loose, black, silty clay with frequent charcoal and ash inclusions. The secondary fill (2905) comprised friable, mid brown-beige, silty clay with no charcoal inclusions. Approximately 0.05m of the natural clay directly beneath the cut of the pit was scorched red, indicating that high temperatures had been reached within the pit (2904). After the initial excavation the pit was 100% excavated in search of dateable evidence, none were recovered.



Plate 1: Hedgeline [702], looking northwest



Plate 2: Ephemeral hedgeline [1102], looking NE



Plate 3: Hedgeline [908], looking NE, trench 11 in background

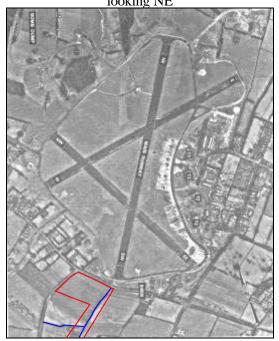


Plate 4: 1946 aerial photograph. Site extent (red) and hedgelines [702], [908] & [1102] (blue)



Plate 5: Burnt root hole [906], looking northeast



Plate 6: Pit [2902] pre-excavation, looking northeast



Plate 7: Pit [2902] post-excavation, looking northeast

Bovingdon Brickworks, Hertfordshire
1318/BBW



Figure 3: Trench locations (scale 1:2500)





Figure 4: Plan of pit [2902] within trench 29, (*scale 1:50*)

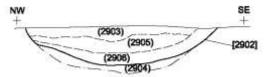


Figure 5: Section through pit [2902], looking northeast (*scale 1:20*)

5. Conclusions

- 5.1 Significant archaeological features were not observed in trenches 1-28. While the existence of individual isolated archaeological features away from the trenches cannot be specifically excluded, it is unlikely that large numbers of archaeological features were present within this area of the site.
- 5.2 The fills of pit [2902] and the layer of scorched clay below suggest intense burning has taken place within the pit. However, the lack of finds mean the date and function of the pit cannot be explained.

5.3 Confidence rating

The conditions for the evaluation were good and the work took place in dry and sunny weather conditions. Full co-operation was received from the contractors and a high degree of confidence is attached to the results of the evaluation.

6. Acknowledgements

The evaluation was commissioned by *Bovingdon Brickworks Ltd*. The writer is grateful to Les Cook for his assistance. The project was monitored by Kate Batt of the *Hertfordshire County Council Historic Environment Unit* on behalf of the local planning authority. Thanks are also due to the on site contractors.

The project was managed for ASC by Bob Zeepvat BA MIFA. Fieldwork was carried out by Martin Cuthbert BA (Hons) PIFA and Carina Summerfield-Hill MSc. The report was prepared by Martin Cuthbert and edited by Bob Zeepvat.

7. Archive

- 7.1 The project archive will comprise:
 - 1. Brief
 - 2. Project Design
 - 3. Initial Report
 - 4. Clients site plans
 - 5. Site records
 - 6. Site record drawings
 - 7. List of photographs
 - 8. B/W prints & negatives
 - 9. CDROM with copies of all digital files.
- 7.2 The archive will be deposited with *Dacorum Heritage Trust*.

8. References

Standards & Specifications

- ALGAO 2003 Standards for Field Archaeology in the East of England. East Anglian Archaeology Occasional Paper 14.
- EH 1991 The Management of Archaeological Projects, 2nd edition. English Heritage (London).
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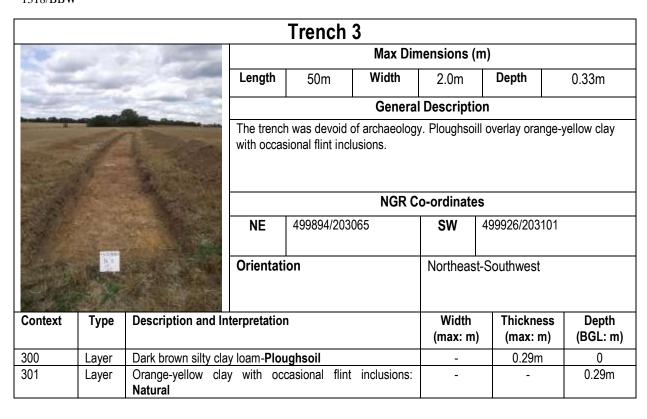
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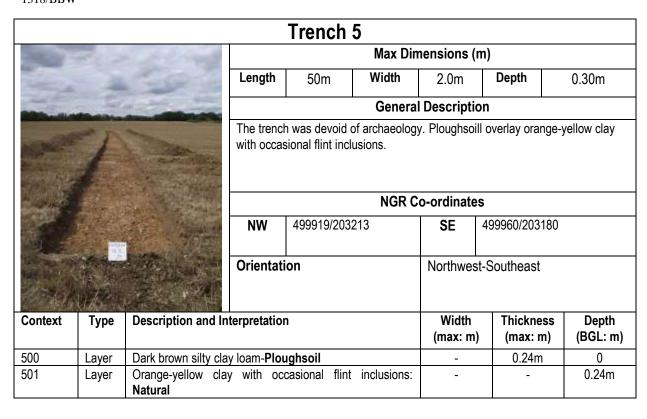
Appendix 1: Trench Summary Tables

				Trench	1				
	- A-				Max Din	nensions (r	n)		
-			Length	50m	Width	2.0m	Depth	0.36m	
Service of the last of the las				<u> </u>	Genera	Description	n		
The trench was devoid of archaeology. Ploughsoill overlay orange-yellow clay with occasional flint inclusions.									
		1			NGR C	o-ordinates			
			NW 499809/203100			SE	499830/203082		
			Orientati	ion		Northwest	:-Southeast		
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)	
100	Layer	Dark brown silty cla	Dark brown silty clay loam-Ploughsoil			-	0.22m	0	
101	Layer	Orange-yellow clay	y with oc	casional flint	inclusions:	-	-	0.22m	

				Trench	2				
		-			Max Din	nensions (n	n)		
			Length	50m	Width	2.0m	Depth	0.36m	
Contract of the Contract of th	0.000	Andrew Property			Genera	Descriptio	n		
	1		The trench was devoid of archaeology. Ploughsoill overlay orange-yellow clay with occasional flint inclusions.						
					NGR C	o-ordinates	3		
			NW	499847/203	134	SE	499884/20310	1	
	0.11/82 16. A		Orientat	ion		Northwest	-Southeast		
Context	Туре	Description and In	n and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)	
200	Layer	Dark brown silty cla	ark brown silty clay loam- Ploughsoil			-	0.30m	0	
201	Layer	Orange-yellow cla	y with oc	casional flint	inclusions:	-	-	0.30m	



				Trench	4			
- 100	535				Max Din	nensions (m)	
Band .	-		Length	50m	Width	2.0m	Depth	0.36m
		NA TAKE DE LA CONTRACTOR DE LA CONTRACTO		<u> </u>	General	Description	 1	
The trench was devoid of archaeology. Ploughsoill overlay orange-yellow clay with occasional flint inclusions.								
					NGR C	o-ordinates		
	100		NE	49921/2031	77	SW 499886/203139		
			Orientati	ion		Northeast-S	Southwest	
Context	Туре	Description and In	tion and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
400	Layer	Dark brown silty cla	silty clay loam- Ploughsoil			-	0.30m	0
401	Layer	Orange-yellow cla	y with oc	casional flint	inclusions:	-	-	0.30m



				Trench	6			
-	100	~ (2000)			Max Din	nensions (n	n)	
			Length	50m	Width	1.8m	Depth	0.33m
					General	Descriptio	n	
	1	100		h was devoid sional flint incl	• • • • • • • • • • • • • • • • • • • •	/. Ploughsoill	overlay orange-	yellow clay
					NGR C	o-ordinates	;	
			NE 499999/203179		SW	499965/203144		
			Orientat	ion		Northeast-	Southwest	
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
600	Layer	Dark brown silty cla	Dark brown silty clay loam-Ploughsoil			-	0.28m	0
601	Layer	Orange-yellow cla Natural	y with oc	casional flint	inclusions:	-	-	0.28m

Trench 7 Max Dimensions (m) Width Length Depth 50m 1.8m 0.38m **General Description** Ploughsoill overlay orange-yellow clay with occasional flint inclusions. A single irregular linear feature 15m from the southwestern end of the trench aligned SE-NW. Possible hedgerow seen on 1940s aerial photograph. **NGR Co-ordinates** 499962/203219 NE 499995/203255 SW Orientation Northeast-Southwest **Description and Interpretation** Width Thickness Depth Context Type (BGL: m) (max: m) (max: m) 700 Dark brown silty clay loam-Ploughsoil 0.25m 0 Layer Mid beige-brown friable clay - Fill of feature [702] 0.90m 703 Fill 0.20m 0.38m 702 Hedge Irregular linear aligned SE-NW – Line of hedgerow 0.90m 0.20m 0.58m -row 701 0.25m Layer Orange-yellow clay with occasional flint inclusions: Natural

				Trench	8			
					Max Din	nensions (m)		
			Length	50m	Width	1.8m	Depth	0.38m
-	-ann	All Charges All			General	Description		
	The trench was devoid of archaeology. Ploughsoill overlay orange-yellow clay with occasional flint inclusions.						yellow clay	
	- TU				NGR C	o-ordinates		
			NW 499996/203295 SE 500033/20326		00033/203262			
		NUST N	Orientati	ion		Northwest-S	Southeast	
Context	Туре	Description and In	scription and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
800	Layer	Dark brown silty cla	silty clay loam- Ploughsoil			-	0.29m	0
801	Layer	Orange-yellow cla	y with oc	casional flint	inclusions:	-	-	0.29m

Trench 9

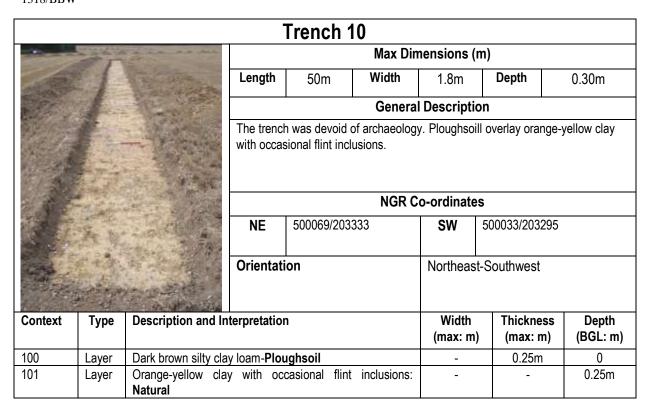


Max Dimensions (m) Length 50m Width 1.8m Depth 0.43m General Description

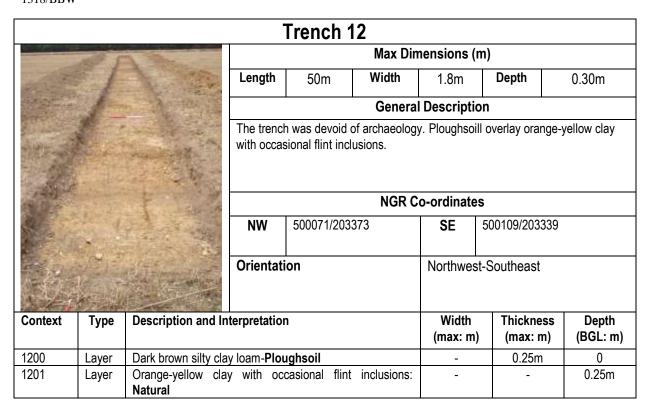
Ploughsoill overlay orange-yellow clay with occasional flint inclusions. A single irregular linear feature 0m to $c.15 \mathrm{m}$ from the northeastern end of the trench aligned NNE-SSW.-Possible hedgerow seen on 1940s aerial photograph. Five features at the southwestern end of the trench, three were excavated. All were irregular in shape, in plan and in section-burnt root holes

	NGR Co-ordinates								
NE	500079/203267	SW	500046/203231						
Orientati	on	Northeast-Southwest							

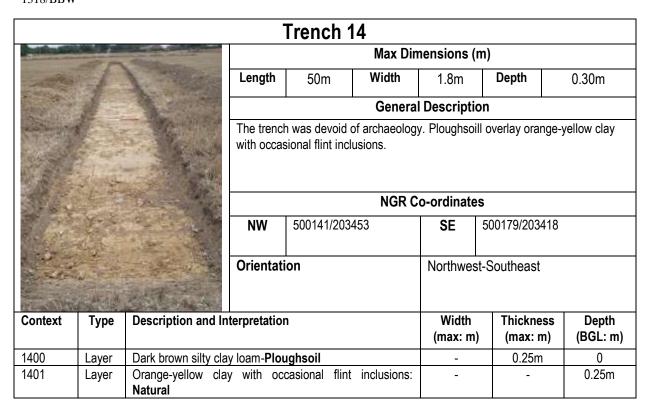
Context	Туре	Description and Interpretation	Width (max: m)	Thickness (max: m)	Depth (BGL: m)
900	Layer	Dark brown silty clay loam-Ploughsoil	-	0.30m	0
909	Fill	Mid beige-brown friable clay - Fill of feature [908]	0.75m	0.15m	0.10m
908	Hedge -row	Irregular linear aligned NNE-SSW – Line of hedgerow	0.75m	ı	0.45m
903	Fill	Mid brown-black silty clay loam, occasional fire cracked flint- Fill of feature [902]	0.40m	0.06m	030m
902	Root hole	Irregular shaped shallow feature-Burnt root hole	0.40m	-	0.36m
905	Fill	Mid brown-black silty clay loam, occasional fire cracked flint- Fill of feature [902]	0.56m	0.07m	0.30m
904	Root hole	Irregular shaped shallow feature-Burnt root hole	0.56m	ı	0.37m
907	Fill	Mid brown-black silty clay loam, occasional fire cracked flint- Fill of feature [902]	0.36m	0.24m	0.30m
906	Root hole	Irregular shaped shallow feature-Burnt root hole	0.36m	-	0.54m
901	Layer	Orange-yellow clay with occasional flint inclusions- Natural	-	-	0.30m
910	Layer	Mid beige-yellow sandy clay with occasional flint inclusions- Natural	-	-	0.30m



	Trench 11										
46 4					Max Din	nensions (m	1)				
	A.	1	Length	50m	Width	1.8m	Depth	0.30m			
	35	3		L	Genera	Description	n				
	The trench was devoid of archaeology. Ploughsoill overlay orange-yellow clay with occasional flint inclusions.										
					NGR C	o-ordinates					
10			NE 500146/203338 SW 500112/203301								
			Orientati	ion		Northeast-Southwest					
	图制										
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)			
1100	Layer	Dark brown silty cla	Dark brown silty clay loam-Ploughsoil			-	0.25m	0			
1101	Layer	Orange-yellow clay	y with oc	casional flint	inclusions:	-	-	0.25m			



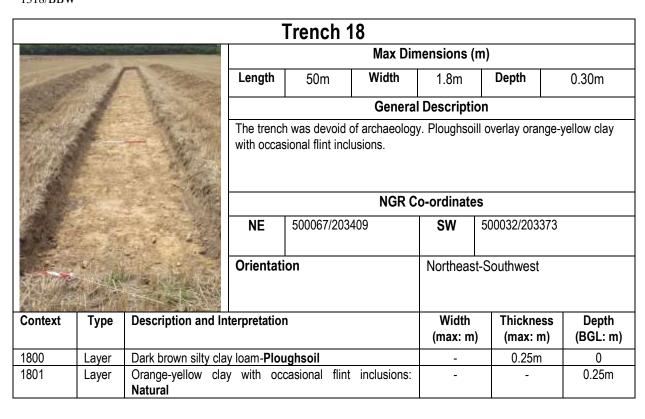
			•	Trench 1	13				
	B	- 44			Max Din	mensions (m)			
	THE REAL PROPERTY.	1	Length	50m	Width	1.8m	Depth	0.30m	
					Genera	Descriptio	n		
				h was devoid sional flint incl	•	y. Ploughsoill	overlay orange	-yellow clay	
				NGR Co-ordinates					
			NE 500145/203413 SW 500111/203377						
* .	Orientation					Northeast-	-Southwest		
Context	Туре	Description and In	ription and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)	
1300	Layer	Dark brown silty cla	rk brown silty clay loam- Ploughsoil			-	0.25m	0	
1301	Layer	Orange-yellow cla	y with oc	casional flint	inclusions:	-	-	0.25m	



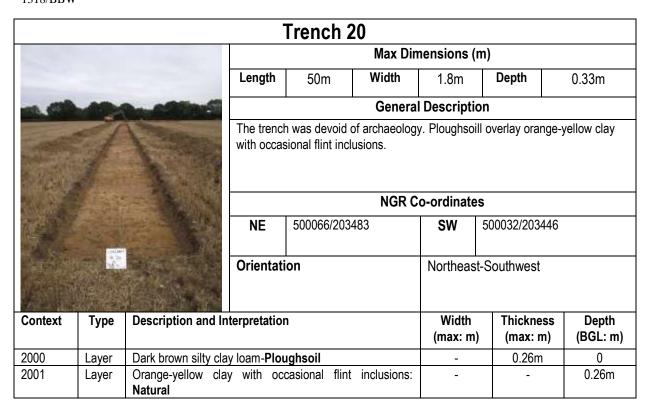
				Trench '	15			
No. of Lot					Max Din	nensions (m	1)	
			Length	50m	Width	1.8m	Depth	0.30m
	-		Genera	Description	n			
The trench was devoid of archaeology. Ploughsoill overlay orange-yellow with occasional flint inclusions.							yellow clay	
					NGR C	o-ordinates	i	
	斯德		NE 500220/203418		SW 500185/203381			
			Orientat	ion		Northeast-	Southwest	
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
1500	Layer	Dark brown silty clay loam-Ploughsoil				-	0.25m	0
1501	Layer	Orange-yellow clay with occasional flint inclusions: Natural				-	-	0.25m

Trench 16 Max Dimensions (m) Length Width Depth 50m 1.8m 0.30m **General Description** The trench was devoid of archaeology. Ploughsoill overlay orange-yellow clay with occasional flint inclusions. **NGR Co-ordinates** 500185/203455 NE 500202/203474 SW Orientation Northeast-Southwest **Description and Interpretation** Width Thickness Depth Context Type (BGL: m) (max: m) (max: m) Dark brown silty clay loam-Ploughsoil 0.25m 1600 Layer 1601 Layer Orange-yellow clay with occasional flint inclusions: 0.25m Natural

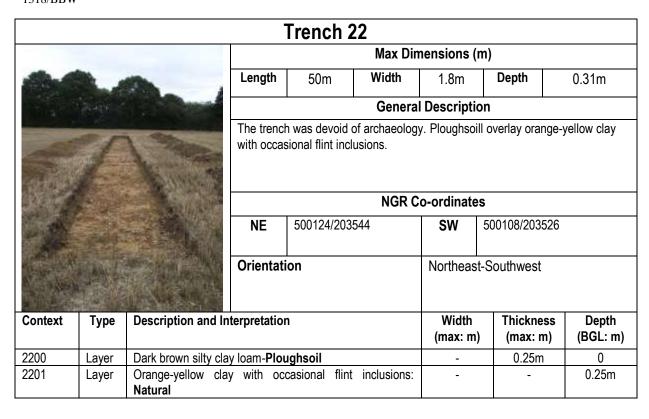
			•	Trench 1	17				
		450			Max Din	nensions (m)		
		1 The	Length	50m	Width	1.8m	Depth	0.30m	
		-			General	Description	1		
				h was devoid sional flint incl	• • • • • • • • • • • • • • • • • • • •	r. Ploughsoill	overlay orange-	yellow clay	
				NGR Co-ordinates					
			NE	500414/203	487	SW 5	00107/203449		
	33		Orientati	ion		Northeast-Southwest			
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)	
1700	Layer	Dark brown silty clay loam-Ploughsoil				-	0.25m	0	
1701	Layer	Orange-yellow cla Natural	Orange-yellow clay with occasional flint inclusions.				-	0.25m	



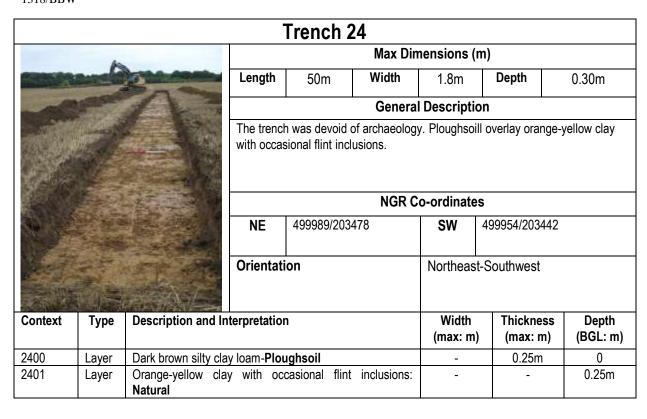
			ı	Trench 1	19			
- 100	P F	7 900			Max Din	nensions (n	n)	
TO SECOND	1	A CONTRACT	Length	50m	Width	1.8m	Depth	0.30m
	1	The same of the sa		l	Genera	Descriptio	n	
				h was devoid sional flint incl	•	y. Ploughsoill	overlay orange	-yellow clay
			NGR Co-ordinates					
15. 44	1		NW	499992/203	442	SE	500030/203408	}
	CANELLY		Orientat	ion		Northwest	-Southeast	
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
1900	Layer	Dark brown silty clay loam-Ploughsoil					0.25m	0
1901	Layer	Orange-yellow cla Natural	Orange-yellow clay with occasional flint inclusions				-	0.25m



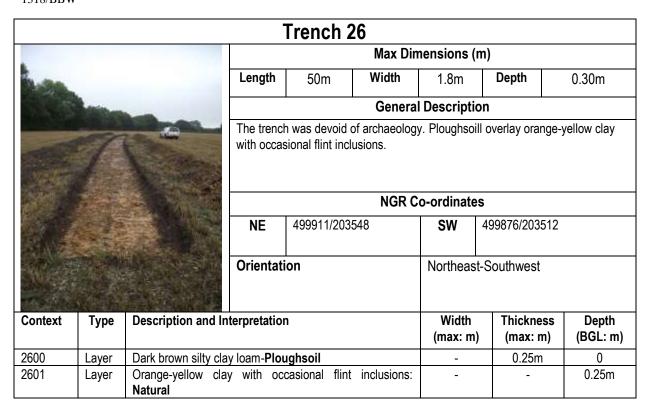
			•	Trench 2	21				
					Max Din	nensions (m)		
			Length	50m	Width	1.8m	Depth	0.30m	
-				L	Genera	Description	1		
	1			n was devoid o sional flint incl	•	y. Ploughsoill	overlay orange-	yellow clay	
			NGR Co-ordinates						
			NW 500064/203523			SE 5	00102/203489		
			Orientati	Orientation			Northwest-Southeast		
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)	
2100	Layer	Dark brown silty cla	Dark brown silty clay loam-Ploughsoil				0.20m	0	
2101	Layer	Orange-yellow cla Natural	Orange-yellow clay with occasional flint inclusions				-	0.20m	



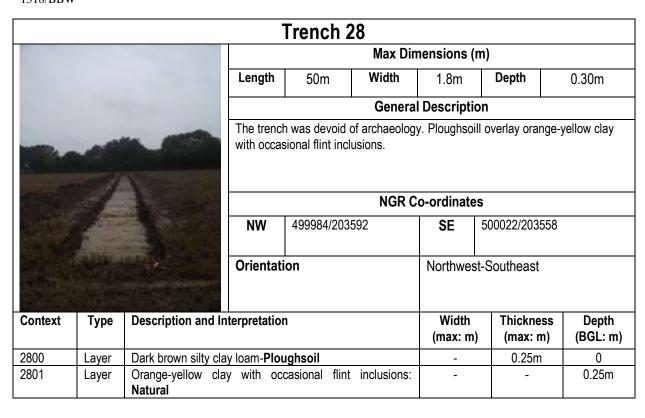
				Trench 2	23			
					Max Din	nensions (m)	
			Length	50m	Width	1.8m	Depth	0.35m
					Genera	Description	on	
		The same		h was devoid o sional flint incl		y. Ploughsoi	ll overlay orange	e-yellow clay
7	4		NGR Co-ordinates					
			NE	500063/203	0063/203557 SW 500030/203520)
			Orientation Northeast-Southwest					
Context	Туре	Description and In	and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
2300	Layer	Dark brown silty cla	Dark brown silty clay loam-Ploughsoil				0.26m	0
2301	Layer	Orange-yellow cla Natural	casional flint	-	-	0.26m		



			ı	Trench 2	25			
					Max Din	nensions (m)	
			Length	50m	Width	1.8m	Depth	0.35m
Gener					Genera	Description		
				h was devoid sional flint inc	•	y. Ploughsoill (overlay orange-	yellow clay
					NGR C	o-ordinates		
			NW	499914/203	512	SE 4	99952/203478	
			Orientation Northwest-Southeast					
Context	Туре	Description and Ir	on and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
2500	Layer	Dark brown silty cla	Dark brown silty clay loam- Ploughsoil			-	0.27m	0
2501	Layer	Orange-yellow cla	Orange-yellow clay with occasional flint inclusions:				-	0.27m



			•	Trench 2	27			
					Max Din	nensions (m	1)	
			Length	50m	Width	1.8m	Depth	0.30m
190				L	Genera	Descriptio	n	
	25/		The trench was devoid of archaeology. Ploughsoill overlay orange-yellow clay with occasional flint inclusions.					
100	量		NGR Co-ordinates					
			NE	499988/203	553	SW 499954/203516		
			Orientation			Northeast-Southwest		
Context	Туре	Description and In	Description and Interpretation			Width (max: m)	Thickness (max: m)	Depth (BGL: m)
2700	Layer	Dark brown silty clay loam-Ploughsoil				-	0.25m	0
2701	Layer	Orange-yellow cla Natural	Orange-yellow clay with occasional flint inclusions				-	0.25m



			•	Trench 2	29					
male- v	-				Max Din	nensions (m)				
	1	The same	Length	50m	Width	1.8m	Depth	0.30m		
		4	General Description							
			pit was re was bowl	vealed, locate	d c.22m from file with three	the trenches	nal flint inclusic southwestern ei A layer of clay d	nd. The pit		
			NE	500063/203	632	SW E	500029/203596			
			Orientation Northeast-Southwest							
Context	Туре	Description and In	terpretation	n		Width (max: m)	Thickness (max: m)	Depth (BGL: m)		
2900	Layer	Dark brown silty cla	y loam: Plo	ughsoil		-	0.25m	0m		
2903	Fill	Soft, dark brown,		occ flecks	of charcoal:	0.80m	0.07m	0.25m		
2905	Fill	Tertiary fill of pit [2 Friable, light beige-y Secondary fill of p	yellow brow	n, loamy silty	clay:	0.75m	0.11m	0.32m		
2906	Fill	Loose, dark brown-	Loose, dark brown-black, silt frequent ash and charcoal: Primary fill of pit [2902]				0.07m	0.44m		
2902	Cut	Bowl shape profile,		lan - Pit		1.00m	-	0.51m		
2904	Layer	Firm, red-orange, cl	ange, clay- Burnt clay				0.05m	0.51m		
2901	Layer	Orange-yellow clay	y with oc	casional flint	inclusions:	-	-	0.25m		

Appendix 2: List of Photographs

Shot	Neg	B&W	Digital	Hertfordshire	SITE NO/CODE: 1318/BBW Subject			
1	iveg	DQVV	Digital	General shot of trench 1	Subject			
2			<i>'</i>	General shot of trench 1				
3			V	General shot of trench 2				
			✓					
4			∨	General shot of trench 2				
5					General shot of trench 3			
6			√	General shot of trench 3				
7			✓	General shot of trench 4				
8			√	General shot of trench 4				
9			√	General shot of trench 5				
10			√	General shot of trench 5				
11			√	General shot of trench 6				
12			✓	General shot of trench 6				
13			√	General shot of trench 7				
14			✓	General shot of trench 7				
15			✓	General shot of trench 8				
16			✓	General shot of trench 8				
17			✓	General shot of trench 9				
18			✓	General shot of trench 9				
19			✓	General shot of trench 10				
20			✓	General shot of trench 10				
21			✓	General shot of trench 11				
22			✓	General shot of trench 11				
23			✓	General shot of trench 12				
24			✓	General shot of trench 12				
25			✓	General shot of trench 13				
26			✓	General shot of trench 13				
27			✓	General shot of trench 14				
28			✓	General shot of trench 14				
29			✓	General shot of trench 15				
30			✓	General shot of trench 15				
31			✓	General shot of trench 16				
32			✓	General shot of trench 16				
33			✓	General shot of trench 17				
34			✓	General shot of trench 17	,			
35			✓	General shot of trench 18				
36			✓	General shot of trench 18				
37			√	General shot of trench 19				
38			√	General shot of trench 19				
39			√	General shot of trench 20				
40			√	General shot of trench 20				
41			✓	General shot of trench 21				
42		1	✓	General shot of trench 21				
43		1	·	General shot of trench 22				
44		 	· ·	General shot of trench 22				
45		-	✓	General shot of trench 23				
46			✓	General shot of trench 23				
		1	✓					
47			٧	General shot of trench 24				

48			✓	General shot of trench 24
49			✓	General shot of trench 25
50			✓	General shot of trench 25
51			✓	General shot of trench 26
52			✓	General shot of trench 26
53			✓	General shot of trench 27
54			✓	General shot of trench 27
55			✓	General shot of trench 28
56			✓	General shot of trench 28
57			✓	General shot of trench 29
58			✓	General shot of trench 29
59			✓	Trench 1 stratigraphy
60			✓	Trench 1 stratigraphy
61			✓	Hedgeline [703], looking southeast
62			✓	Hedgeline [703], looking southeast
63			✓	Roothole [902], looking northeast
64			✓	Roothole [904], looking northeast
65			✓	Roothole [906], looking northeast
66	9	✓	✓	Hedgeline [908], looking ENE
67	7	✓	✓	Pit [2902], looking NE, Pre-X, 1x1m scale
68			✓	Pit [2902], looking NE, Pre-X, 1x1m scale
69			✓	Pit [2902], looking NE, during excavation, 1x1m scale
70	6	✓	✓	Pit [2902], looking NE, Post-X, 1x1m scale
71			✓	Pit [2902], looking NE, Post-X, 1x1m scale
72			✓	Pit [2902], looking NE, Post-X, 1x1m scale
73			✓	Pit [2902], looking NE, Post-X, 1x1m scale
74			✓	Trench 29 stratigraphy
75			✓	General working shot X 18
76	8	✓		Hedgeline [908], looking ENE

Appendix 3: ASC OASIS Form

PROJECT DETAILS									
Project Name:	Bovingdon Brickworks, Herts		OASIS reference:	Archaeol2-108561					
Short Description:	In August 2011 an archaeological Pocket's Dell, Bovingdon, Hertfor archaeologically supervised trensure areas were cleaned to determine were visually scanned looking for recovered. Trenches 1-28 contacontained a single undated pit, contained archaeological process.	ordshire to ches wer the prestor the protined no si	o inform proposals for e excavated within the ence of archaeological esence of archaeological significant archaeolog	or clay extraction. Twenty-nine he proposed development. All al remains and the spoil heaps gical artefacts, but none were gical remains, whilst trench 29					
Project Type:	Archaeological Evaluation								
Previous work: (eg. SMR refs)	Yes		Site status: (eg. none, SAM, listed)	None					
Current land use:	Farmland		Future work: (yes/no/unknown)	yes					
Monument type:	n/a		Monument period:	Unknown					
Significant finds: (artefact type & period)	Single pit burnt in situ								
	PROJECT	LOCATIO	N						
County:	Hertfordshire	TL 5000 0328							
Site address: (+ postcode if known)	- J								
Study area: (sq. m. / ha)	12.6 ha Height OD: (metres) 158-163m OD								
	PROJECT (CREATO	RS						
Organisation:	Archaeological Services & Consu	Itancy Ltd							
Project brief originator:	Hertfordshire County Council Historic Environment Unit	Project	design originator:	ASC Ltd 2011					
Project Manager:	Bob Zeepvat BA MIFA	Director	/Supervisor:	Martin Cuthbert BA PIFA					
Sponsor / funding body:	Bovingdon Brickworks Ltd								
	PROJEC	T DATE							
Start date:	15-08-2011	End dat	e:	18-08-2011					
	PROJECT	ARCHIVE	:S						
	Location (Accession no.)	Content	(eg. pottery, animal	bone, files/sheets)					
Physical:	5	B&W pł	notographs and negati	ives					
Paper:	Dacorum Heritage trust	,	Design, Eval Report, and plan drawings	Trench sheets, context sheets,					
Digital:		All digita	al files						
BIBLIOGRA	APHY (Journal/monograph, publish	ned or fort	hcoming, or unpublish	hed client report)					
Title:	Archaeological Evaluation: Land a Hertfordshire		<u> </u>	• /					
Serial title & volume:	ASC Ltd Report ref. 1318/BBW/2								
Author(s):	Martin Cuthbert BA (Hons) PIFA								
Page nos	35	Date:		05-09-2011					