Archaeological Evaluation of land at Wises Lane, Borden, Sittingbourne, ME10 1GD Kent

Phase 2E

Site Code: WLS2E-EV-23

NGR Site Centre: 588650 163350

Planning Application Number: 17/505711/HYBRID



Report date: 22 July 2023

SWAT ARCHAEOLOGY

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Abstract

Swale & Thames Survey Company (SWAT Archaeology) were commissioned to undertake an archaeological evaluation on land at Wises Lane, Borden (Phase 2E). The archaeological programme was monitored by the Principal Archaeological Officer at Kent County Council.

The archaeological works have investigated the extents of the proposed development area using 20 trenches measuring 25m in length.

Archaeological evaluation (Phase 2E) has confirmed the presence of archaeological remains on this site. The investigation has exposed 3 ditches and Holloway of Late Bronze Age to Earliest Iron Age. Late medieval brick clamp kiln was exposed in north eastern part of the site. Additionally colluvium deposits were exposed and investigated in three evaluation trenches and outcrops of natural gravel were tested. Also 3 vast Late Post Medieval to Modern refuse pits were investigated during the course of the fieldwork.

The archaeological evaluation has been successful in fulfilling the primary aims and objectives of the Specification and has assessed the archaeological potential of land intended for development. The results from this work will be used to aid and inform the Principal Archaeological Officer of any further archaeological mitigation measures that may be necessary in connection with any future development proposals.

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1 INTRODUCTION

1.1 Project Background

- 1.1.1 Swale & Thames Survey Company (SWAT Archaeology) were commissioned to undertake an archaeological evaluation on land at Wises Lane, Borden, Sittingbourne, ME10 1GD Kent. (Phase 2E) (Figures).
- 1.1.2 The land has The land has planning consent (Swale Borough Council (Ref. 17/505711/HYBRID) for the following. outline planning permission for up to 595 dwellings including affordable housing; a 2- form entry primary school with associated outdoor space and vehicle parking; local facilities comprising a Class A1 retail store of up to 480 sq. m GIA and up to 560 sq. m GIA of "flexible use" floor space that can be used for one or more of the following uses A1 (retail), A2 (financial and professional services), A3 (restaurants and cafes), D1 (non-residential institutions); a rugby clubhouse/community building up to 375 sq. m GIA, 3 standard RFU sports pitches and associated vehicle parking; a link road between Borden Lane and Chestnut Street/A249; allotments: and formal and informal open space incorporating SUDS, new planting/landscaping and ecological enhancement works; and full planning permission for the erection of 80 dwellings including affordable housing, open space, associated access roads vehicle parking, associated services, infrastructure, landscaping and associated SUDS.

1.1.3 A Condition 66 of the hybrid consent states the following:

Before the submission of reserved matters for any phase (excluding Phase 1A), the applicant (or their agents or successors in title) shall secure and have reported a programme of archaeological field evaluation works for that phase, in accordance with a specification and written timetable which has been submitted to and approved by the local planning authority.

- 1.1.4 On the basis of the present archaeological information. KCCHC advising Swale Borough Council recommended that the proposed development should be subject to a programme of archaeological works in order to clarify the archaeological elements within the site.
- 1.1.5 The evaluation was carried out in accordance with an archaeological Written Scheme of Investigation (WSI) prepared by SWAT Archaeology (2023), prior to the commencement of works.
- 1.1.6 The evaluation is the first stage of the programme of archaeological works and addresses part i) of the planning condition only. Its main aim is to clarify the presence/absence of archaeology and its significance. On the basis of the results of the evaluation, further archaeological works may be needed and could include excavation and/or watching brief and post excavation and publication.

1.2 Timetable

1.2.1 A timetable for the archaeological programme of works, to date, is provided below;

Task	Dates	Personnel/Company
Geophysical Survey	2018	Magnitude Surveys
Submission of the Written Scheme of Investigation	June 2022	SWAT Archaeology
Strip Map and Sample Programme (Phase 1A)	October 2022 –March 2023	SWAT Archaeology
Archaeological Evaluation: Fieldwork (Phase 1B)	December 2022	SWAT Archaeology
Archaeological Evaluation Report (Phase 1B)	December 2022	SWAT Archaeology
Archaeological Evaluation: Fieldwork (Phase 2B)	May 2023	SWAT Archaeology
Archaeological Evaluation: Fieldwork (Phase 2C)	May/ June 2023	SWAT Archaeology
Archaeological Evaluation: Fieldwork (Phase 2A)	June 2023	SWAT Archaeology
Archaeological Evaluation Report (Phase 2B)	June 2023	SWAT Archaeology
Archaeological Evaluation: Fieldwork (Phase 2E)	June-July 2023	SWAT Archaeology
Archaeological Evaluation Report (Phase 2E)	This document	SWAT Archaeology

Table 1 Timetable for the archaeological programme of works

1.3 Site Description, Topography and Geology

1.3.1 The application site is located to the south of the town of Sittingbourne and north of the village of Borden and just south of Cryalls Lane and to the east of Wises Lane (Figure 1).

1.3.2 The Geological Survey of Great Britain (1:50,000) shows that the site is set on Head Deposits of Clay and Silt overlaying the bedrock geology of Seaford Chalk Formation and Thanet Formation of Sand, Silt and Clay. The NGR to centre of site is NGR 588650 163350 and the OD height is about 33m in the north of the site and 40m to the south.

1.4 Scope of Report

1.4.1 This report has been produced to provide initial information regarding the results of the archaeological evaluation. The results from this work will be used to aid and inform the Principal Archaeological Officer (KCC) of any further archaeological mitigation measures that may be necessary in connection with any future development proposals.

2 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

2.1 Introduction

2.1.1 The Proposed Development Area (PDA) is located close to a number of archaeological sites which are identified on the KCCHER database and these include a Palaeolithic hand axe found close to Cryalls Lane (TQ 86 SE 93) and to the south the site of a possible Roman villa with Roman foundation investigated by the Kent Archaeological Field School in 2014 (TQ 86 SE 307). The PDA is also located close to an area of archaeological investigation and the initial work on site was an Geophysical Survey by Magnitude Surveys Ltd has been carried out and the results showed that the area was potentially low on archaeological features although a parcel of land to the south of Phase 1A did show a high density of archaeological features.

2.2 Previous work in immediate areas

- 2.2.1 Follow on archaeological work by Wessex Archaeology was to investigate the archaeological and non-archaeological features identified in the geophysical survey and 28 trenches measuring 30m by 1.8m were set out using GPS and 11 of the trenches were found to contain archaeological features and deposits with two concentrations in the central and southern areas of the Site.
- 2.2.2 Artefacts recovered from the Wessex archaeological work include 32 sherds of Prehistoric pottery recovered from features in Trenches 3, 8, 13, 20 and 13 Middle Bronze Age sherds from a natural/palaeochannel 2004. Roman pottery was retrieved from Trenches 23, 27, 28 with most from Trench 28. Ceramic building material, Flint, Animal bone and Other Finds were also recovered and can be accessed in the Wessex Archaeology Report (Land at Southwest Sittingbourne, Kent Phase 1A (Archaeological Evaluation) dated October 2018).

3 AIMS AND OBJECTIVES

3.1 General Aims

- 3.1.1 The specific aims of the archaeological fieldwork were set out in a Written Scheme of Investigation (SWAT Archaeology 2023) as stated below;
 - 6.1 The primary objective of the archaeological evaluation is to establish or otherwise the presence of any potential archaeological features which may be impacted by the proposed development. The aims of this investigation are to determine the potential for archaeological activity and in particular the earlier prehistoric period and also any Roman, medieval and later archaeological activity.
 - 6.2 The programme of archaeological work should be carried out in a phased approach and will commence with evaluation through trial trenching. This initial phase should determine whether any significant archaeological remains would be affected by the development and if so, what mitigation measures are appropriate. Such measures may include further detailed archaeological excavation, or an archaeological watching brief during construction work or an engineering solution to any preservation in situ requirements.

(SWAT Archaeology 2023: Section 6)

3.2 General Objectives

- 3.2.1 The general objectives of the archaeological fieldwork were therefore:
 - To determine the presence or absence of archaeological features, deposits, structures, artefacts, or ecofacts within the specified area;
 - To establish, within the constraints of the evaluation, the extent, character, date, condition, and quality of any surviving archaeological remains;
 - To place any identified archaeological remains within a wider historical and archaeological context in order to assess their significance; and
 - To make available information about the archaeological resource within the site by reporting on the results of the evaluation.

4 METHODOLOGY

4.1 Introduction

4.1.1 All fieldwork was conducted in accordance with the methodology set out in the Specification (SWAT 2023) and carried out in compliance with the standards outlined in the Chartered Institute for Archaeologists' Standards Guidance for Archaeological Evaluations (CIFA 2014).

4.2 Fieldwork

- 4.2.1 20 evaluation trenches were excavated (Figures). Each trench was initially scanned by a metal detector for surface finds prior to excavation. Excavation was carried out using a mechanical excavator fitted with a toothless ditching bucket, removing the overburden to the top of the first recognisable archaeological horizon, under the constant supervision of an experienced archaeologist.
- 4.2.2 Where appropriate, trenches, or specific areas of trenches, were subsequently hand-cleaned to reveal features in plan and carefully selected cross-sections through the features were excavated to enable sufficient information about form, development, date, and stratigraphic relationships to be recorded without prejudice to more extensive investigations, should these prove to be necessary. All archaeological work was carried out in accordance with KCC and CIfA standards and guidance. A complete photographic record was maintained on site that included working shots; during mechanical excavation, following archaeological investigations, and during back filling.
- 4.2.3 On completion, the trenches were made safe and left open in order to provide the opportunity for a curatorial monitoring visit. Backfilling was carried out once all recording, surveying, and monitoring had been completed.

4.3 Recording

- 4.3.1 A complete drawn record of the evaluation trenches comprising both plans and sections, drawn to appropriate scales (1:20 for plans, 1:10 for sections) was undertaken. The plans and sections were annotated with coordinates and OD heights.
- 4.3.2 Photographs were taken as appropriate; providing a record of excavated features and deposits, along with images of the overall trench to illustrate their location and context. The record also includes images of the site overall. The photographic record comprises digital photography. A photographic register of all photographs taken is contained within the project archive.
- 4.3.3 A single context recording system was used to record the deposits. Layers and fills are identified in this report thus (100), whilst the cut of the feature is shown as [100]. Context numbers were assigned to all deposits for recording purposes. Each number has been attributed to a specific trench with the primary number(s) relating to specific trenches (*i.e.* Trench 1, 101+, Trench 2, 201+, Trench 3, 301+, etc.).

5 RESULTS

5.1 Introduction

- 5.1.1 The Trenches were mechanically excavated under archaeological supervision. Trenches were positioned to cover the entire proposed development area.
- 5.1.2 The site, as shown on Figure 3, provides the trench layout while further Figures illustrates the results for each individual archaeological evaluation trench along with representative soil sequence sections. Plates consist of photographs of features and selected trenches that have been provided to supplement the text.
- 5.1.3 Individual trench results are discussed below.

5.2 Stratigraphic Deposit Sequence

5.2.1 A relatively consistent stratigraphic sequence was recorded across the majority of the Site comprising topsoil and colluvium sealing intact subsoil, which overlay the natural geological deposits. The topsoil generally consisted of dark organic brown clay sand silt with frequent roots and occasional building material (bricks, tiles, etc), overlying the subsoil/ colluvium which consisted of light to mid brown-orange clay sand silt with moderate small rounded stones and occasional chalk flecks. Natural geology comprised bedrock geology of Chalk sealed by superficial clay and silts. In most of the areas the natural geology (xx03) was sealed-off by subsoil/ colluvium (xx02).

5.3 Archaeological Narrative – Positive Trenches

Trench 1 (Figure 4)

5.3.1 Trench 1 was placed in northern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.45metres in depth. It exposed natural geology context (103) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A late prehistoric ditch was exposed here. Feature [104] comprised WNW-ENE aligned linear cut with steep sides and concave base. It measured 1.2metres in width but its deeper part only measured 0.48metres wide and its maximum depth was 0.38metres. It was filled by context (105) comprising firmly compacted orange-grey clay-sand-silt with infrequent pebbles. Fill has produced two potsherds dated after 1550 BC and lithics dated broadly 1550 BC – 50 BC.

Trench 2 (Figure 5)

5.3.2 Trench 2 was placed in northern part of the site in E-W alignment and measured 25metres in length by 1.8metres in width and 0.48metres in depth. It exposed natural geology context

(203) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A late prehistoric ditch was exposed here. Feature [204] comprised NW-SE aligned linear cut with moderate sides and concave base. It measured 0.6metres in width and 0.28metres in depth and was filled by context (205) comprising firmly compacted orange-grey clay-sand-silt with infrequent pebbles and charcoal flecks.

Trench 4 (Figure 6)

5.3.3 Trench 4 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.45metres in depth. It exposed natural geology context (403) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A late prehistoric tree throw was exposed here. Feature [404] comprised large sub-oval cut with shallow to moderately sloping sides gradually breaking into concave, slightly uneven base. It measured over 1.2metres in excavated slot and 0.4metres in depth and was filled by context (405) comprising firmly compacted orange-grey clay-sand-silt with infrequent angular flints and pebbles. It was suggested that this feature could be a sunken floored component for prehistoric building, however further exploration did not exposed any traces of domestic detritus. A single potsherd was found in subsoil (402) during machine excavation. The sherd was broadly dated after 1550 BC and probably before 50 BC/ 50 AD.

Trench 5 (Figure 7)

5.3.4 Trench 5 was placed in northern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.44metres in depth. It exposed natural geology context (503) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A linear outcrop of natural gravel was investigated here as it was giving an overall impression of potential trackway. Further exploration of suspected feature resulted in unanimous interpretation for natural origin of this spread. No archaeological cuts or deposits were found in this trench. A single potsherd of medieval date was found in topsoil (501) during machine excavation.

Trench 6 (Figure 8)

5.3.5 Trench 6 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.44metres in depth. It exposed natural geology context (603) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A linear outcrop of natural gravel was investigated here as it was giving an overall impression of potential trackway. Further exploration of suspected feature resulted in unanimous interpretation for natural origin of this spread. Further to the southeast a large Late Post Medieval refuse pit was exposed and investigated. Due to a broken glass in its

backfill exploration was limited only to confirm that there are not earlier features disguised underneath.

Trench 7 (Figure 9)

5.3.6 Trench 7 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.46metres in depth. It exposed natural geology context (703) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. An outcrop of natural tabular flint was investigated here as it was initially giving an overall impression of building remains. And extensions to this trench were dug to the northeast and to the southwest and further exploration of suspected feature resulted in unanimous interpretation for natural origin of this formation. No archaeological cuts or deposits were found in this trench.

Trench 10 (Figure 10)

5.3.7 Trench 10 was placed in northern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.44metres in depth. It exposed natural geology context (1003) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. An orange-grey colluvium deposit was exposed here. It was found filling up a hollow exposed by this evaluation trench and further test pits were excavated to test for potential features underneath but nothing of an interest was found.

Trench 11 (Figure 11)

5.3.8 Trench 11 was placed in northern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.48metres in depth. It exposed natural geology context (1103) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A linear trackway (Holloway) was exposed here. Feature [1104] comprised broad linear cut with shallow sides and concave base. It measured 3.3metres in width and 0.34metres in depth and was filled by context (1105) comprising firmly compacted orange-grey clay-sand-silt with infrequent pebbles and angular flints. The only dating evidence found in this trench derived from subsoil (1102) and comprised 3 sherds of LBA material dated broadly after 1550BC with 4 sherds of Early Medieval to Medieval ceramics dated after 1150AD.

Trench 12 (Figure 12)

5.3.9 Trench 12 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.47metres in depth. It exposed natural geology context (1203) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. Curvilinear ditch terminus was exposed within north-western extent. Feature

[1204] comprised NW-SE aligned curvilinear cut slightly turning to the south. It had shallow sides and concave base. It measured 0.9metres in width and 0.15metres in depth and was filled by (1205) comprising firmly compacted orange-grey clay-sand-silt with infrequent manganese, iron pan and pebbles. The only dating evidence exposed in this trench was a single potsherd derived from subsoil (1202) and was dated to Early Iron Age after 1000/ 900 BC.

Trench 13 (Figure 13)

5.3.10 Trench 13 was placed in northern part of the site in N-S alignment and measured 25metres in length by 1.8metres in width and 0.44metres in depth. It exposed natural geology context (1303) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A Post-Medieval clamp brick kiln was exposed here. Structure was hiding under vast modern backfill containing occasional to frequent chalk. The kiln comprised fire chamber measuring with tunnels. Due to a health and safety concerns underground chambers were remotely investigated using bore-scope cameras alongside SLR mounted on extension rod. A number of well fired and under-fired lining-fragments were found inside this structure alongside couple small vitrified brick fragments. Kiln was also truncated by a vast modern cut. Brick kiln exposed in evaluation Trench 13 contained firing chamber measuring 3.6metres in length and 2.7metres in width in the middle of the chamber and 2.1metres at both ends. It was found filled by context 1309 formed as a result from gradual overtime silting intervened by periodical erosion/ collapse of sides and walls caused during periods of intensive atmospheric precipitations. The detailed layout of the furnace's tunnels is provided on Figure 15. Their measured height was approximately one metre and they were build utilising green unfired bricks bonded with mud. Kiln superstructure was recorded as 1310 and associated sinkhole was 1311. Another sinkhole potentially resulted from collapsed roof of the firing chamber but was not assigned separate context number. Post-hole 1313 was located at the western side of furnace opening and it's most likely a remnant of a roofed structure built over stoke pit. Recovered dating material comprised brick fragments and tiles. Tiles were used in arches construction at its bases; these were laid directly on exposed surface of parent material. The estimated measurements of the bricks are provided in table below.

Length	Height	Width
250mm	50mm	112mm
235mm	51mm	98mm
n/a	51mm	111mm
n/a	55mm	n/a

The estimated brick sizes most likely are matching standardized late 15th Century brick size which is 241.3mm (9.5") by 106.68mm (4.2") and 50.8mm (2"). Source – *Charter 1571*. Recovered brick fragments and kiln lining were produced out of surrounding natural which is very silty what resulted in fairly crumbly and friable brickwork exempt few instances where bricks were vitrified. All recovered brick fragments derived from furnace's arches.

Trench 14 (Figure 16)

5.3.11 Trench 14 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.48metres in depth. It exposed natural geology context (1403) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A large potentially Late Post Medieval to Modern pit was exposed here. Feature [1404] had fairly steep sides and flat slightly uneven base. It measured 2.85metres in width and 0.25metres in depth and was filled by firmly compacted orange-grey clay-sand-silt (1405) with frequent chalk flecks. The only dating ceramics from this trench derived from subsoil (1402) and comprised one sherd of Late Bronze Age date after 1550 BC. Also modern inclusions including dark glass and coal fragments were noted in context (1405). No earlier archaeological cuts were found here.

Trench 17 (Figure 17)

5.3.12 Trench 17 was placed in southern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.44metres in depth. It exposed natural geology context (1703) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A vast colluvium deposit (1702) was exposed here. It comprised variations recorded as (1702a), (1702b) and (1702c) deposit recorded as (1702b) has had frequent chalk flecks as an inclusions and soil matrix was orange-grey clay-sand-silt. It was tested by hand-excavated square trial holes A, B and C and any of the test-pits have not exposed any meaningful features of archaeological interest.

Trench 20 (Figure 18)

5.3.13 Trench 20 was placed in southern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.58metres in depth. It exposed natural geology context (2003) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. A colluvium deposit was identified in this trench; it was firmly compacted pale orange-grey with moderate chalk flecks. It was tested by a series of square trial holes but no archaeological cuts or deposits were found beneath it.

5.4 Archaeological Narrative – Negative Trenches

Trench 3 (Figure 3)

5.4.1 Trench 3 was placed in northern part of the site in N-S alignment and measured 25metres in length by 1.8metres in width and 0.48metres in depth. It exposed natural geology context (303) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. No archaeological cuts, deposits or artefacts were exposed in this trench.

Trench 8 (Figure 3)

5.4.2 Trench 8 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.44metres in depth. It exposed natural geology context (803) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. No archaeological cuts or deposits were exposed in this trench although

Trench 9 (Figure 3)

5.4.3 Trench 9 was placed in northern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.49metres in depth. It exposed natural geology context (903) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. No archaeological cuts, deposits or artefacts were exposed in this trench.

Trench 15 (Figure 3)

5.4.4 Trench 15 was placed in northern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.48metres in depth. It exposed natural geology context (1503) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. No archaeological cuts, deposits or artefacts were exposed in this trench.

Trench 16 (Figure 3)

5.4.5 Trench 16 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.44metres in depth. It exposed natural geology context (1603) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. No archaeological cuts, deposits or artefacts were exposed in this trench.

Trench 18 (Figure 3)

5.4.6 Trench 18 was placed in northern part of the site in NW-SE alignment and measured 25metres in length by 1.8metres in width and 0.47metres in depth. It exposed natural geology context (1803) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. No archaeological cuts, deposits or artefacts were exposed in this trench.

Trench 19 (Figure 3)

5.4.7 Trench 19 was placed in northern part of the site in NE-SW alignment and measured 25metres in length by 1.8metres in width and 0.49metres in depth. It exposed natural geology context (1903) comprising firmly compacted yellow to orange-grey clay-sand-silt with frequent pebbles and flint gravel. No archaeological cuts, deposits or artefacts were exposed in this trench.

6 FINDS

6.1 Catalogues of the pottery and ceramic building materials

Site Code: WLS2E-EV-23

Analyst: Paul Hart

Last updated: 26.07.2023

For: Swale and Thames Archaeology Survey Company

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6.2 Period Codes employed

Period	Code	Date (circa)	
Later Prehistoric	LP	1550 -	50 BC
Middle Bronze Age	MBA	1550 -	1350 BC Mid
to Late Bronze Age	MBA-LBA	1350 -	1150 BC
Earliest Iron Age	EIA	1000/900 -	600 BC
Iron Age	IA	1000/900 BC -	50 AD
Mid to Late Iron Age	MLIA	200 -	50 BC
Late Iron Age	LIA	50 -	0 BC
Latest Iron Age	LIA-ER	0 -	50 AD
Early Roman	ER	50 -	150 AD Mid
Roman	MR	150 -	250 AD Late
Roman	LR	250 -	400 AD
Early Medieval	EM	1050 -	1200 AD Late
Medieval	LM	1375 -	1525 AD
Post-Medieval	PM	1525 -	1750 AD Late
Post-Medieval	LPM	1750 -	1900 AD
Modern	MOD	1900+	AD

Dating

> : To/or later.

/ : Or/or indicting a preference within a broader range.

6.3 Quantification and spot-dating of the pottery assemblage

6.3.1 Methodology

The sherds were examined in good light using a hand lens of x10 magnification and were catalogued on a context, total quantity, bulk weight (calculated to the nearest gram), period, ware type, estimate of the number of vessels per ware, condition and date preference basis. They are listed in date order from earliest to latest. No information about the contexts or their stratigraphic relationships was known unless stated. In the notes, the pieces are typically plain or less diagnostic body sherds unless stated otherwise.

All dates given are circa.

It should also be noted that:

- All form and decorative pieces are noted and described in the catalogue and their presence is highlighted by the inclusion of the word 'DRAW' (which does not mean that such pieces necessarily need to be drawn for archive level reporting or for publication).
- The material has been bagged by period and separated into DRAW-ables (which do not necessarily need to be drawn for archive or final site reports or publication) and body sherds.

6.3.2 Abbreviations used in 6.3.3

Wear

L : Light
M : Moderate
H : Heavy
C : Chipped

Dating

6.3.3

> : To/or later

/ : Or/or indicting a preference within a broader range Catalogue: Quantification and spot-dating of the pottery

Contex	rt .			Total sherds Total weight				
Info	Information on th	e nature of the context	if known.					
Start	Likely commence	ment date of the conte	kt based on	the p	otter	y evidenc	e.	
End	Likely end date of	the context based on t	he pottery	evide	nce.			
Datin	Implications.							
g								
Notes	Highlighting eleme	ents, wares and issues o	f particular	note.				
Count	Period	Ware	Ve	essels	We	ear D	ate preference	
(105) [104]				- 2	2 sherds	7 g	
Info								
Start	Likely after 1550	BC.						
End	Unclear, residual.							
Datin	Little specific data	a. Likely LP, significantly	worn.					
g								
Notes	Scraps.							
Count	Period	Ware		V	W	Date	e preference	
1	MBA>MLIA	Flint tempered		1	Н		1550-50 BC	
	Small sherd and fr	agment, former rounde	d and thick	, oxidi:	sed s	urfaces.		
(402)						1 sherd	3 g	
Info								
Start	Likely after 1550	3C.						
End	Unclear, residual.							
Datin	Little specific data	a. Likely LP, significantly	worn.					
g								
Notes								
Count	Period	Ware		V	W		e preference	
1	MBA>LIA-ER	Flint tempered		1	Н	1.	550-50 BC/50 AD	
	Small							
/ma - \								
(501)						1 sherd	4 g	
Info								
Start	Possibly after 140							
End	Unclear, residual.							
Datin	•	. More likely post 1400	-		•		•	
g	•	earthenware/redware		_			_	
	•	marl which is characteri	stic of the	atter.	Revi	ew, also ii	n light of any	
	subsequent finds							
Notes	Small worn body s	herd. Just possibly MR>	·LR or LM>P	M, the	e torr	ner not fa	voured at	

	present, but review	<i>I</i> .				
Count	•	Ware	V	W	Date prefer	ence
1	?LM>PM	?Kentish fine sandy	1	Н	1400/1475-1625	
	Small, slightly sand	y, coloured small quartz, oxidised the	hroug	ghout	t, fairly hard.	
	, <u> </u>					
(802)					1 sherd	6 g
Info						
Start	Likely after 1550 B	C.				
End	Unclear, residual.					
Datin	Little specific data.	Broadly LP, with a very slight pref	eren	ce fo	r MBA>MBA-LBA	,
g	perhaps, but this is	s highly speculative.				
Notes	Small, worn.					
Count	Period	Ware	V	W	Date prefer	ence
1	MBA>MLIA	Flint + grog tempered	1	Ι	1550-11	50/50 BC
	Small, thick, round	ed, dull orange exterior, coarse, pos	ssibly	som	e reduced grog (?	with flint
	temper).					
(1001)					1 sherd	20 g
Info						
Start	After 1625 AD and	potentially after 1800 AD.				
End	Unclear, residual.					
Datin	_	Yorkshire/Midlands product, whi				
g		ut not all, such wares. Most instan	ces in	Ken	t date 1775-1850	AD
	(Macpherson-Gran	t pers. comm.).				
Notes	Heavily chipped ba	se from a slipware, dark fine sandy	redw	are,	post 1625 AD.	
	DRAW: 1 base (not	worth drawing).				
Count	Period	Ware	V	W	Date prefer	ence
1	PM>MOD/?LPM	?S. Yorkshire/Midlands redware	1	СН	1625/1775-1850	
	,	pase with foot-ring, iron-streaked g	laze c			
	_	frequent fine mostly colourless qu				
	DRAW.					
(1002)					3 sherds	15 g
Info						
Start	Likely after 1550 B	C.				
End	Unclear, residual.					
Datin	Little energific dete	Broadly MBA>LIA-ER and perhaps	mor	e like	ely LP.	
	Little specific data.	Diodaily inibits and pointage				
g	Little specific data.					
	Small plain sherds.					
g	·	Ware	V	W	Date prefer	ence
g Notes	Small plain sherds. Period MBA>LIA-ER	Ware Flint tempered		W M	, ,	ence BC/50 AD
g Notes Count	Small plain sherds. Period	Ware Flint tempered	V		, ,	
g Notes Count	Small plain sherds. Period MBA>LIA-ER	Ware Flint tempered	V		, ,	
g Notes Count 3 (1102)	Small plain sherds. Period MBA>LIA-ER Small sherds and re	Ware Flint tempered	V	M	, ,	
g Notes Count 3 (1102) Info	Small plain sherds. Period MBA>LIA-ER Small sherds and ro	Ware Flint tempered ounded fragment.	V	M	1550-50	BC/50 AD
g Notes Count 3 (1102)	Small plain sherds. Period MBA>LIA-ER Small sherds and ro Potentially after 1:	Ware Flint tempered bunded fragment.	V 2	M	1550-50	4 g
g Notes Count 3 (1102) Info	Small plain sherds. Period MBA>LIA-ER Small sherds and ro Potentially after 12 Unclear. Nothing c	Ware Flint tempered bunded fragment. 150 AD. ertainly later than 1200 AD, though	V 2	rela	1550-50	4 g
g Notes Count 3 (1102) Info Start	Small plain sherds. Period MBA>LIA-ER Small sherds and ro Potentially after 1: Unclear. Nothing cosingle fresher look	Ware Flint tempered bunded fragment. 150 AD. ertainly later than 1200 AD, thoughing ?EM sherd to the context is under the context is	V 2	rela	1550-50 4 sherds tionship of the sm	4 g
g Notes Count 3 (1102) Info Start	Small plain sherds. Period MBA>LIA-ER Small sherds and ro Potentially after 1: Unclear. Nothing coingle fresher look Little specific data.	Ware Flint tempered bunded fragment. 150 AD. ertainly later than 1200 AD, thoughing ?EM sherd to the context is uncompleted.	V 2 2 h the clear.	relation	4 sherds tionship of the sm	4 g hall
g Notes Count 3 (1102) Info Start End	Small plain sherds. Period MBA>LIA-ER Small sherds and re Potentially after 12 Unclear. Nothing coingle fresher look Little specific data could suggest a foo	Ware Flint tempered bunded fragment. 150 AD. ertainly later than 1200 AD, thoughing ?EM sherd to the context is under the potential shelly ware is reducted by the context is under the potential shelly ware is reducted by the context is under the potential shelly ware is reducted by the context is under the potential shelly ware is reducted by the context is under the potential shelly ware is reducted by the context is under the potential shelly ware is reducted by the context is under	b the clear.	related wheel	4 sherds tionship of the sm	4 g hich e likely
g Notes Count 3 (1102) Info Start End Datin	Small plain sherds. Period MBA>LIA-ER Small sherds and reserved and	Ware Flint tempered bunded fragment. 150 AD. ertainly later than 1200 AD, thoughing ?EM sherd to the context is uncompleted.	b the clear.	related what	4 sherds tionship of the sm nd thin-walled, w neel-thrown, mor R>ER, is heavily w	4 g hall hich e likely vorn, its

	it could easily date earlier.									
Notes	Small scraps only. The 3 notably thin-walled pieces have frequent voids possibly from									
	leached fine shell in	nclusions, more likely EM. The othe	r is a	tiny	rounded piece who's s	silty				
	fabric could be unre	epresentative.								
Count	Period	Ware	V	W	W Date preference					
1	MBA>/LIA-ER>ER	MBA>/LIA-ER>ER								
	Tiny rounded scrap. Sample could be unrepresentative of the fabric overall.									
3	?EM ?Shelly 1 L 1150/1175-1200 AD									
	•	ng fragments, thin-walled, reduced	l, frec	quent	small voids possibly fi	rom				
	fine shell, soft.									
(1202)					1 sherd	1 g				
Info										
Start	Likely after 1000/9									
End	Unclear, potentially									
Datin	•	with no reliable view of the vesse	l's ov	erall	fabric, but thin-walle	d				
g	and likely broadly I									
Notes	•	om a single small sherd.								
Count	Period	Ware	V	W	Date preference					
1	EIA>LIA-ER	Flint + grog tempered	1	?L	1000/900 BC - 5	0 AD				
	Tiny fragment(s), so	oft, minimal sample.								
(1402)					1 sherd	3 g				
Info										
Start	Likely after 1550 B	<u> </u>								
End	Unclear, residual.									
Datin	Little specific data.	Broadly MBA>LIA-ER and perhaps	mor	e like	ely LP.					
g	_									
Notes	Scrap.									
Count	Period	Ware	V	W	Date preference					
1	MBA>LIA-ER	Flint tempered	1	Н	1550-50 BC/5	0 AD				
	Small, thick.									
(4000)					4 1 1	•				
(1802)					1 sherd	4 g				
Info	121 - 1 - 1 - 4 - 5 - 5	0 1 11 0 1000 DC								
Start	·	C and possibly after 1000 BC.								
End		residual to some degree at least.		c						
Datin	Little specific data.	Broadly MBA>LIA-ER, with a sligh	ιpre	ieren	ice for IA.					
g	Tomporing loads to	a clight professores for IA though	thic is		ry cmall cample only					
Notes		a slight preference for IA, though	1	1						
Count	Period	Ware	1 V	W	Date preference					
1	MBA>LIA-ER/?IA	Flint tempered	1	М	1550/1000 BC - 5	UAD				
	Small, thick, moder	atery tempered.								
Totals				1	6 shords	67 ~				
Totals				1	6 sherds	67 g				

6.4 Catalogues of the ceramic building materials

6.4.1 Catalogue of brick

Context	Quantity	Weigh	Fabric	Period
		t		
Tr.13 Kiln	22	8010 g	Fine red earthenware type	?PM
	larger si whether expected of these Some had green gl bricks of show the	zed stone softnes d/achieva conjoini ave a hoi aze dribb r thick irr e dimens	amp) with macroscopically minor fine sand, very rate grits, with 1 large burnt flint grit noted, notably is was due to an accidental under-firing, ble. 16 medium to large sized fragments of brick (ang, + 6 small broken fragments more likely from rizontal surface showing a dark grey-black glaze. Ited across its broken core face. 2 pieces have elemented across its broken core face. 2 pieces have elemented across of the exterior edges can be around 48-53 notations of the exterior edges can be around 48-53 notations.	or the result (7712.5g), some n bricks (297g). Another has a nents of broken Intact portions nm deep by 99-
Totals	22	8010 g		

6.4.2 Catalogue of tile

Context	Quantity	Weigh	Fabric	Period		
		t				
Tr.13 Kiln	3	540 g	Fine red earthenware type	*?PM		
	Fabric akin to that seen in the bricks from the same context, but harder fired					
	(though	thinner).	Medium to large sized fragments. Intact port	tions show the		
	dimensions of the exterior edges are between 11-13.5 mm deep (mostly around					
	12.5 mm). *Associated with a larger amount of brick from the same context.					
Totals	3	540 g				

6.5 Catalogue of the worked lithics

Analyst: Paul Hart

Last updated: 25.07.2023

For: Swale and Thames Archaeology Survey Company

Contents

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6.6.5 Catalogue: Quantification and brief review of the worked lithics

6.6.6 Comments

6.6 Quantification and brief review of the worked lithics

6.6.1 Methodology

The information presented is based upon an initial brief review of the worked lithics. The artefacts were examined using a hand lens of x10 magnification and each was considered on its own merits. Details about the nature of the context and any pottery recovered, which informed the interpretation but not the dating of the individual pieces, were noted where known. No cataloguing of the physical traits of the artefacts was conducted at this stage.

The brief review format was adopted due to the need for rapid feed-back to aid the swift production of a site report. The material was unwashed, but only slightly dirty. It was not dirty enough that any significant detail was likely to have remained hidden. Due to the brief nature of this review, it will be recommended in any subsequent assessment report which may be written, that it would be ideal if all of the worked lithics were re-catalogued and considered more fully (including recording a selection of physical traits, for preservation by record), though, for practical necessity, such work could be focussed upon the more specifically diagnostic elements and any pieces which can be dated by a reliable contemporary relationship with pottery or associated contexts that are tightly dated.

All dates given throughout are circa.

6.6.2 The underlying geology and its implications

This is considered to primarily comprise deposits of 'brickearth' type soils (ie. clays, silts, sands, or combinations of such), with occasional areas of gravels (Peter Cichy *pers. comm.*). Brickearth geology typically does not produce those patinas that are frequently helpful in the identification of residual material which is otherwise undiagnostic of being so on its own merits. As such, it is considered that none of the lithics on this site can be guaranteed to be contemporary with its deposit or its horizon on their own merits.

6.6.3 Period Codes employed

Period	Code	Date (circo	a)		
Neolithic	N	4000	-	2300	ВС
Beaker Period	BK	2450	-	1750	BC
Bronze Age	BA	2100	-	1000/900	BC
Early Bronze Age	EBA	2100	-	1550	BC
Middle Bronze Age	MBA	1550	-	1350	BC
Earliest Iron Age	EIA	1000/900	-	600	BC
Early to Mid Iron Age	EMIA	600	-	350	BC
Middle Iron Age	MIA	400	-	200	ВС

6.6.4 Abbreviations used in 6.6.5

Dating

>: To/or later <: No later than

/: Or/or indicting a preference within a preceding broader range

Key to abbreviations for notes

A: Advanced (patina). nat : Natural.
abr : Abrupt (retouch). nr : Near.
adj : Adjacent. obv : Obviously.

adv : Advanced (patina). oppos :

Opposite.

ang : Angular. P ; Primary (flake).
B : Blade (flake) or Blue (patina). PP : Platform

preparation (abrasion).

back : Backed.pat : Patina.

bifac : Bifacial (retouch). plat : Platform.

BL: Bladelet (flake).poss : Possible. brk : Break. prob : Probably.

BW : Blue-white (patina). prx : Proximal

(flake).

convx : Convex. resid : Residual.

cortx : Cortex. ret : Retouch.

dentic : Denticulate (retouch). RM : Raw

material.

dir : Direct (retouch). RU : Re-use. dist : Distal (flake). S : Sort, Secondary

(flake) or Strong (patina).

dors : Dorsal (flake). sec : Section.

E : Early (patina). SH : Short (flake).

eg: Example. signif : Significant/ly.

exp : Expedient. sm : Small.

fl: Flake. SQ: Squat (flake).

frag : Fragment. subseq : Subsequent.
G: Grey (patina). term : Termination (flake).
incip : Incipient (cones of percussion). T :

Tertiary (flake).

inc : Including. triang : Triangular.

inv : Inverse (retouch). trunc :

Truncating/truncated.

irreg : Irregular. u-w : Use-wear.

L: Long (flake). util: Utilised.

lat : Lateral (flake). Unpat : Unpatinated.

lrg : Large. V/v : Very.

M: Moderate (patina). vent : Ventral (flake). marg : Marginal (retouch). W : White

(patina).

med : Medium (size). Y : Yellowish

(patina).

mod : Moderate.

6.6.5 Catalogue: Quantification and brief review of the worked lithics

Context			Total lithics	Total weight	
Context:	Information on the nature of the context if known.				
Pottery:	Date of any pottery present or the ceramic date of the context if known.				
Notes:	Elements and trends of initial interest.				
Summary:	Dates and relationships to context.				
Patinas:	Mostly unpatinated or yellowy sheen, relationships unclear given the brickearth				
	geology.				
Class/Type	Notes/Details	Period	Preference	Re-using	
Top surface	west of Tr.13		1 lithic	62 g	
Context:					
Pottery:					
Notes:					
Summary:	Little specific data.				
Retouched	-	Period	Preference	Re-using	
End scraper			<eia< td=""><td></td></eia<>		
	Lrgish fl, some post Y pat chips, broad	d dist end some	dir abr ret formin	ig uneven edge,	
	simple.				
(105) [104]			8 lithics	280 g	
Context:					
		Residual 1550-50 BC.			
Pottery:	Residual 1550-50 BC.				
	Residual 1550-50 BC. Small to medium sized thick flakes a	and angular frag	gments, nothing	obviously early.	
Pottery:	Small to medium sized thick flakes a Overall fairly poor looking.				
Pottery:	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be	BA> and most	ikely MBA>EMIA	A+. There is the	
Pottery: Notes:	Small to medium sized thick flakes and Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related	BA> and most group and asso	likely MBA>EMIA	A+. There is the later than, the	
Pottery: Notes:	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associa	BA> and most group and asso	likely MBA>EMIA ociated with, or anteed however.	A+. There is the later than, the The pottery is	
Pottery: Notes:	Small to medium sized thick flakes and Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates idual and the flintworks relations.	BA> and most group and asso	likely MBA>EMIA ociated with, or anteed however.	A+. There is the later than, the The pottery is	
Pottery: Notes: Summary:	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associa	BA> and most group and assortions are guaraships to each ot	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste	Small to medium sized thick flakes and Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology.	BA> and most group and assortions are guara ships to each ot	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is	
Pottery: Notes: Summary: Waste	Small to medium sized thick flakes and Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology.	BA> and most group and associations are guaraships to each ot Period	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. In flake core Medium, average quality at best, some	BA> and most group and associations are guaraships to each ot Period	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associa residual and the flintworks relations due to the geology. rm flake core Medium, average quality at best, som	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. In flake core Medium, average quality at best, some	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. To flake core Medium, average quality at best, some medium, average quality at best, some medium.	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associa residual and the flintworks relations due to the geology. rm flake core Medium, average quality at best, som	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. To flake core Medium, average quality at best, some medium, average quality at best, some for the flips and brks.	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake ?Flake	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. To flake core Medium, average quality at best, some medium, average quality at best, some medium.	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. The flake core Medium, average quality at best, som the medium, average quality at best, som the flips and brks. Prob is, thick P, chips and brks.	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake ?Flake	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. To flake core Medium, average quality at best, some medium, average quality at best, some for the flips and brks.	BA> and most group and associations are guard ships to each ot Period?BA>	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake ?Flake Shatter Retouched	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. In flake core Medium, average quality at best, some medium, average quality at best, some from the medium for the medi	BA> and most group and associations are guaraships to each ot Period ?BA> ne nat facets cones.	likely MBA>EMIA ociated with, or anteed however. her and the cont Preference MBA>EMIA+	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake ?Flake	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates residual and the flintworks relations due to the geology. The flake core Medium, average quality at best, som the medium, average quality at best, som the flips and brks. Chips and brks. Chips and scars. Chips and scars.	BA> and most group and associations are guaraschips to each ot Period?BA> ne nat facets	likely MBA>EMIA ociated with, or anteed however. her and the cont	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake ?Flake Shatter Retouched Hollow scra	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates idual and the flintworks relations due to the geology. The flake core Medium, average quality at best, some Medium, average quality at best, some incipations. Chips and brks. Prob is, thick P, chips and brks. Chips and scars. Per Med sized thick fl, 1 shoulder a hollow.	BA> and most group and associations are guaraschips to each ot Period?BA> ne nat facets	likely MBA>EMIA ociated with, or anteed however. her and the cont Preference MBA>EMIA+ ?MBA>EIA	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake ?Flake Shatter Retouched	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates idual and the flintworks relations due to the geology. In flake core Medium, average quality at best, some incipated in the problem of the problem. Chips and brks. Prob is, thick P, chips and brks. Chips and scars. Chips and scars. Prob is, thick P, chips and brks.	BA> and most group and associations are guaraships to each ot Period ?BA> ne nat facets cones. ?BA> v of dir abr ret.	likely MBA>EMIA ociated with, or anteed however. her and the cont Preference MBA>EMIA+	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake Plake Shatter Retouched Hollow scra	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates idual and the flintworks relations due to the geology. The flake core Medium, average quality at best, some Medium, average quality at best, some incipations. Chips and brks. Prob is, thick P, chips and brks. Chips and scars. Per Med sized thick fl, 1 shoulder a hollow.	BA> and most group and associations are guaraships to each ot Period ?BA> ne nat facets cones. ?BA> v of dir abr ret.	likely MBA>EMIA ociated with, or anteed however. her and the cont Preference MBA>EMIA+ ?MBA>EIA	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake ?Flake Shatter Retouched Hollow scra Scraper on s	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates idual and the flintworks relations due to the geology. In flake core Medium, average quality at best, some incipated in the problem of the problem. Chips and brks. Prob is, thick P, chips and brks. Chips and scars. Chips and scars. Prob is, thick P, chips and brks.	BA> and most group and associations are guaraships to each ot Period ?BA> ne nat facets cones. ?BA> v of dir abr ret.	ikely MBA>EMIA ociated with, or anteed however. her and the cont Preference MBA>EMIA+ ?MBA>EIA MBA>EMIA+	A+. There is the later than, the The pottery is ext are unclear	
Pottery: Notes: Summary: Waste Multiplatfor Core shatte Flake Plake Shatter Retouched Hollow scra	Small to medium sized thick flakes a Overall fairly poor looking. Nothing need be early, all could be potential for them to be a related residual pottery present. No associates idual and the flintworks relations due to the geology. In flake core Medium, average quality at best, some incipated in the problem of the problem. Chips and brks. Prob is, thick P, chips and brks. Chips and scars. Chips and scars. Prob is, thick P, chips and brks.	BA> and most group and associations are guaraships to each ot Period ?BA> ne nat facets cones. ?BA> v of dir abr ret.	likely MBA>EMIA ociated with, or anteed however. her and the cont Preference MBA>EMIA+ ?MBA>EIA	A+. There is the later than, the The pottery is ext are unclear	

		7 lithics	69 g
Mostly small.			
Majority not obviously early, 1 just possibly <eba (n="">EBA), rest could easily be</eba>			
	Period	Preference	Re-using
per ?+ knife		?? <eba< td=""><td></td></eba<>	
Med sized, thinnish, reasonable, prx b	ork.		
flakes			
er + hollow scraper			
		1 lithic	10 g
Residual 1550-1150/50 BC.			
Simple minimally worked piece.			
	MBA>EMIA+ an	d could be relate	ed or later than
the residual pottery present.			
	Period		Re-using
d scraper			
		ret/util scars on	upper half, inv
		11 lithics	249 g
			0
Worn 1550-50 BC/50 AD.		2 22	
Worn 1550-50 BC/50 AD. Mostly medium sized thick flakes a	nd chunks, cort		
-		ex generally mir	nimally present.
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin	g particularly qu >EMIA+, some of the second	ex generally mir rality, except for of these more like the pottery prestions are guaran	nimally present. 1 ?PP long flake sely <eia. given="" presuming<="" td="" tent,=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the	g particularly qu >EMIA+, some of the second	ex generally mir rality, except for of these more like the pottery prestions are guaran	nimally present. 1 ?PP long flake sely <eia. given="" presuming<="" td="" tent,=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the	se particularly question some of sociation with ough no association with the of possible N>	ex generally mir lality, except for of these more like the pottery prestions are guarantes.	nimally present. 1 ?PP long flake sely <eia. given="" presuming="" sent,="" steed,="" td="" the<=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flak	se particularly question some of sociation with ough no association with the of possible N>	ex generally mir lality, except for of these more like the pottery prestions are guarantes.	nimally present. 1 ?PP long flake sely <eia. given="" presuming="" sent,="" steed,="" td="" the<=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flak	se particularly question some of sociation with ough no association with the of possible N>	ex generally mir lality, except for of these more like the pottery prestions are guarantes.	nimally present. 1 ?PP long flake sely <eia. given="" presuming="" sent,="" steed,="" td="" the<=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flak	se particularly question some of sociation with ough no association with the of possible N>	ex generally mir lality, except for of these more like the pottery prestions are guarantes.	nimally present. 1 ?PP long flake sely <eia. given="" presuming="" sent,="" steed,="" td="" the<=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flak	>EMIA+, some of ssociation with ough no association with the of possible N>	ex generally mir lality, except for of these more like the pottery prestions are guarantes.	nimally present. 1 ?PP long flake sely <eia. given="" presuming="" sent,="" steed,="" td="" the<=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flake the could be the geology. 1 has re-used an earlier flake the could be the geology. 1 has re-used an earlier flake the geology. 1 has re-	>EMIA+, some of ssociation with ough no association with ough no association with period	ex generally mir lality, except for of these more like the pottery prestions are guaranteBA date. Preference ??MBA>EIA	nimally present. 1 ?PP long flake rely <eia. ent,="" given="" presuming="" re-using<="" reed,="" td="" the=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flake r Chips. Per Thick chunk with 2 adj broad shallo	>EMIA+, some of ssociation with ough no association with ough no association with period	ex generally mir lality, except for of these more like the pottery prestions are guaranteBA date. Preference ??MBA>EIA	nimally present. 1 ?PP long flake rely <eia. ent,="" given="" presuming="" re-using<="" reed,="" td="" the=""></eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flake the country of the coun	>EMIA+, some of ssociation with ough no association with output of the outpu	ex generally mire vality, except for these more like the pottery prestions are guaranteBA date. Preference ??MBA>EIA ped areas on diservices.	nimally present. 1 ?PP long flake sely <eia. 1="" ?n="" and="" ent,="" given="" inv="" nteed,="" presuming="" re-using="" ret="" st="" the="">EBA</eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flake rectangular distal end is also trimmed.	>EMIA+, some of ssociation with ough no association with output of the outpu	ex generally mire vality, except for these more like the pottery prestions are guaranteBA date. Preference ??MBA>EIA ped areas on diservices.	nimally present. 1 ?PP long flake sely <eia. 1="" ?n="" and="" ent,="" given="" inv="" nteed,="" presuming="" re-using="" ret="" st="" the="">EBA</eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flake rectangular distal end is also trimmed per	>EMIA+, some of ssociation with ough no associate of possible Name of poss	ex generally minuality, except for of these more like the pottery prestions are guaranteBA date. Preference ??MBA>EIA ped areas on dis ? <eia ?n="" ?pp="" f="">EBA file</eia>	nimally present. 1 ?PP long flake sely <eia. 1="" ?n="" and="" ent,="" given="" inv="" nteed,="" presuming="" re-using="" ret="" st="" the="">EBA</eia.>
Mostly medium sized thick flakes a Some simple/expedient tools. Nothin showing RU. Some, potentially all, could be MBA this date, there is potential for an a the latter does not date too late, the geology. 1 has re-used an earlier flake rectangular distal end is also trimmed.	>EMIA+, some of ssociation with ough no associate of possible Name of poss	ex generally minuality, except for of these more like the pottery prestions are guaranteBA date. Preference ??MBA>EIA ped areas on dis ? <eia ?n="" ?pp="" f="">EBA file</eia>	nimally present. 1 ?PP long flake sely <eia. 1="" ?n="" and="" given="" inv="" presuming="" re-using="" ret="" sent,="" st="" steed,="" the="">EBA</eia.>
	Majority not obviously early, 1 just BA>/MBA>EMIA+, but little specific of the per?+ knife Med sized, thinnish, reasonable, prx littless er + hollow scraper Residual 1550-1150/50 BC. Simple minimally worked piece. Little specific data, but just possibly the residual pottery present. d scraper Sm, 1 lat cortx, other concave with smostly abr ret across dist end, simple	Majority not obviously early, 1 just possibly <eba ba="">/MBA>EMIA+, but little specific data and relation Period Period Period Period Period Residual 1550-1150/50 BC. Simple minimally worked piece. Little specific data, but just possibly MBA>EMIA+ and the residual pottery present. Period d scraper Sm, 1 lat cortx, other concave with some dir shallow mostly abr ret across dist end, simple.</eba>	Majority not obviously early, 1 just possibly <eba (n="">EBA), rest of BA>/MBA>EMIA+, but little specific data and relationships unclear. Period Preference Period Preference Period Preference Period Preference Period Preference 1 lithic Residual 1550-1150/50 BC. Simple minimally worked piece. Little specific data, but just possibly MBA>EMIA+ and could be related the residual pottery present. Period Preference d scraper ??MBA>EMIA+ Sm, 1 lat cortx, other concave with some dir shallow ret/util scars or mostly abr ret across dist end, simple.</eba>

	Sm SQ thick triang sec, 1 pointed dis	t corner dir ret th	ninning sharp tip.	
Utilised				
Flake – knif	e			
	Sm.	•	•	
Flake – knif	e/side scraper		MBA>EMIA+	
	Thick chunk.	•	•	
?Utilised				
Flake – knif	e			
	Sm brkn frag.			
(1102) Tr.1	1		8 lithics	392 g
Context:				
Pottery:	1550 BC/25-75 AD and 1150/1175-12	200 AD.		
Notes:	Poor looking overall. 1 largeish core,	rest small to me	dium sized often	thickish flakes.
Summary:	Most if not all could be MBA>EMIA+			
Waste		Period	Preference	Re-using
Multiplatfo	rm flake core	?BA>	MBA>EMIA+	
1	Lrgish average quality flint, various fl			
?Opposed r	platform core		<u> </u>	
	Sm cylindrical buff cortexdx piece, k	ooth ends brkn.	with 1 face show	ing 3 apparent
	long narrow removal scars, 2 from 1			
	suspect.			
Flake				
	Chips.	<u> </u>		
?Flake fragi				
1 1 1 10	Sm dist ?fl frag.	<u> </u>		
Retouched				
Side scrape	r		MBA>EIA	
0.0.0 00.0.00	Sm v thick fl, 1 lat short slightly conca	ve length inv ab		
Side scrape			MBA>EMIA+	
Side Serape	Thick nat backed L fl, sm area dir abr	simple/poor ret		
?Utilised	The National Sucretary 11, 3111 area and ass			
Flake – knif	e			
Naturally ba				
ivacarany bi	Thick, mod ang lat			
	Thick, mod ang lat			
(1105) [110	141		8 lithics	163 g
Context:	A-J		o nemes	103 8
Pottery:				
•	Small flakes and 1 largish natural lat-	tor possibly but r	act cortainly used	
	Notes: Small flakes and 1 largish natural, latter possibly but not certainly used. Summary: Nothing obviously significantly early, save for 1 likely BK>EBA/?EBA, probable residual. 1 neatly worked hollow + side scraper on a small flake, <eia, all="" be="" could="" later.="" likely="" mba="" more="" of="" or="" perhaps="" relate="" remainder,="" rest,="" some="" the="">EMIA-Relationship of the latter to each other and the context unclear, given the geology.</eia,>			
Summery.				
Waste	Netationship of the latter to each off	Period	Preference	Re-using
Flake		renou	rrejerence	ne-using
Shatter				
	ments			
2 Flake frag				
?Shatter/co	n e/ naturar			
	a coronor	<fd.4< td=""><td>DV> ED 4 /2ED 4</td><td></td></fd.4<>	DV> ED 4 /2ED 4	
Double side	·	<eba< td=""><td>BK>EBA/?EBA</td><td>مه مصنف با ا</td></eba<>	BK>EBA/?EBA	مه مصنف با ا
	Sm, both upper lats show dir semi-a	or ret along con	vex euges, stops	at cortxa lower

	lat dist tip brkp			
Hollow Le	lat, dist tip brkn.	<eia< td=""><td>??BA>EIA</td><td><u> </u></td></eia<>	??BA>EIA	<u> </u>
HOHOW + S	ide scraper		l.	
	Sm S thinnish fl, dist end a broad d abr ret uneven edge, other lat cortx	•	ret nollow, 1 sn	ort lat dir semi
?Utilised	abi let uneven edge, other lat cortx	•		
	- Cranar	*\4D^> \\		
Natural – s		*MBA>EMIA+		
	Sm areas of chips and scars, inc a ho	ollow. *IT usea.		
(4204)			4 191.5	450
(1201)			1 lithic	158 ફ
Context:				
Pottery:				
Notes:				•
Summary:	Little specific data, possibly MBA>E			
?Retouche	d	Period	Preference	Re-using
?Core		?BA>	?MBA>EMIA+	
	Thick triang sec chunk, broad nat	•	scars struck fro	m it around al
	margins, some sm ?ret scars around	the edge.		_
(4202) [42	041		2 124	22
(1203) [12	U4]		3 lithics	20 ફ
Context:				
Pottery:			,	CI I
Notes:	Small. 1 flake with bifacially chipp		•	flake with a ar
	?early/moderate stage blue-white p			
Summary:	1/possibly 2 potentially MBA>EM			
	related, though no associations g context unclear, due to the geology		onships to each	other and the
Waste		Period	Preference	Re-using
Flake				
	Sm, chips	•	•	•
Retouched				
?Chopper	(RU)		MBA>EMIA+	E-M BW pat fl
	Sm, 1 shallow angld lat shows bit	ac crude chippin	g along length v	
	truncate E-M BW pat vent, oppos la	• •		
??Piercer			*MBA>EMIA+	
	Sm thin ?fl frag, chips, snap brks iso	olate a sharp poin	t with chips and	abras at tip. *I
	intentional.			
	-			
(1301) Tr.1	13		1 lithic	8 8
Context:				
Pottery:				
Notes:				
Summary:	Likely MBA>EMIA, relationship to o	ontext unclear.		
•	d + Utilised	Period	Preference	Re-using
Scraper on			MBA>EMIA+	2 2 2 3 9
- 5. apc. 011	Sm ang nat.	I		I
	1			
(2005) [20	04] Tr.2		1 lithic	14 {
Context:				
Pottery:				
Notes:	Broken.			
Summary:	Could date widely and be residual.			
?Utilised		Period	Preference	Re-using
. Othiseu		renou	rejerence	ne-using

	Dist brk.			
Flake – na	turally backed knife			

6.6.6 Comments

All this material was composed of flint (as would be expected). Prominent amongst the remnant cortexes were examples of dirty looking rough buff types. A few examples of thin dark grey-black or greeny grey-black cortexes were also noted. Much of this was of average quality at best, though some better quality material was also present.

It might be presumed that there was little if any flint raw material available in the brickearth type deposits that formed the prime underlying geology on this site and perhaps also in the immediate vicinity too. The nature of the raw material that was available locally is currently unknown and, as part of any future work at this site, it would be useful if samples of the raw material that does occur in the various geologies and any ancient subsoils present, could be obtained and submitted alongside any further flintwork that is recovered. Given the likely Later Prehistoric date of the majority of the flintwork present, it would be presumed that the raw materials that were used during that time had been gathered as close to their place of use as was possible.

7 ENVIRONMENTAL

7.1 Overview

7.1.1 No bulk soil samples were acquired during the course of evaluation.

8 DISCUSSION, CONCLUSIONS AND RECOMMENDATION

8.1 Introduction

- 8.1.1 The archaeological evaluation (Phase 2E) on land at Wises Lane, Borden in Kent, has investigated the extents of the proposed development area using 20 trenches each measuring 25m in length.
- 8.1.2 The investigation has confirmed the presence of archaeological remains in northern part of the proposed development area.

8.2 Discussion

8.2.1 Archaeological investigation has exposed Late Prehistoric activity comprising 3 LBA/ EIA field ditches and potential Holloway. Additionally Late medieval to Post medieval brick kiln was exposed in north-eastern corner of the site. Several Late Post medieval to modern refuse pits

- were investigated across the site. A vast colluvium deposits were also tested but no further archaeological cuts were found underneath those layers.
- 8.2.2 Field ditch revealed in Trench 1 produced dating evidence in form of ceramics dated after 1550BC and potentially residual worked lithics was dated after 1550-50 BC. Another very similar ditch exposed in Trench 2 remains undated and ditch exposed in Trench 12 produced 3 worked lithics dated broadly to the Middle Bronze Age to Early Mid Iron Age.
- 8.2.3 A potential Holloway in NE-SW alignment revealed in evaluation Trenches 4 and 11 produced fairly contemporary dating evidence with discussed above field ditches. In trench 4 sub-soil produced ceramics dated after 1550 BC and few lithics pieces dated broadly to Middle Bronze Age to Early Mid Iron Age alongside one potentially residual piece of Early Bronze Age. Feature revealed in Trench 11 produced lithics also broadly dated to Middle Bronze Age to Early Mid Iron Age. A subsoil (1102) in that trench only produced Early Medieval potsherds dated after 1550 AD.
- 8.2.4 In general subsoil in trenches 8, 10, 12, 4 and 18 produced potsherds dated after 1550 BC with slightly earlier material derived from Trench 12 which was dated after 1000/ 900 BC. Those findings giving an overall impression of late prehistoric 'noise' in the background. Topsoil in Trenches 10, 5 produced Post medieval and Late Post Medieval potsherds indicating ongoing activity in the surrounding area during those periods.
- 8.2.5 The kiln exposed in evaluation trench had two levels. Lower level comprised stoke pit with furnace tunnels and upper level contained roof of the fire chamber. It was deducted that such a structure should contained perforated floor on which brick were laid to be fired however there was no evidence for such element and only one central pillar was noted at northern end of the chamber. Highly likely a collapsed perforated floor can be found within fire chamber revealed at lower level.
- 8.2.6 The kiln was provisionally dated by comparing dimension with Standardized Brick Charter.

 Compared brick sizes are closely matching late 15th Century.

8.3 Conclusion

8.3.1 The archaeological investigation has been successful in fulfilling the primary aims and objectives of the Specification and has assessed the archaeological potential of land intended for development. The results from this work will be used to aid and inform the Principal Archaeological Officer of any further archaeological mitigation measures that may be necessary in connection with any future development proposals.

8.4 Recommendation

- 8.4.1 A development proposal comprises two rugby pitches to be developed on this site. Southwestern halves of the proposed pitches are going to be reduced in bands as indicated on Figure 3C. There is no impact within southern pitch and minimal impact within northern formation. The archaeology expected to be affected by these proposals comprises section of a Holloway exposed in evaluation Trench 4 and potentially there is a chance of an impact on field ditch revealed in Trench 1 although its further run was not confirmed in Trench 11.
- 8.4.2 Post medieval brick kiln structure exposed in Trench 13 is going to be preserved in-situ. Similarly field ditch exposed in Trench 12 is going to be preserved under 1-1.5m build up ground.
- 8.4.3 With regards to the minimal impact on archaeological resource and sufficient level of recording carried out during the course of archaeological investigation no further work is proposed to take place on this site in relation to the proposed development.

9 ARCHIVE

9.1 General

- 9.1.1 The Site archive, which will include paper records, photographic records, graphics and digital data, will be prepared following nationally recommended guidelines (SMA 1995; CIfA 2009; Brown 2011; ADS 2013).
- 9.1.2 All archive elements will be marked with the site/accession code, and a full index will be prepared. The physical archive comprises 1 file/document case of paper records and A4 graphics. The Site Archive will be retained at SWAT Archaeology offices until such time it can be transferred to a Kent Museum.

10 ACKNOWLEDGMENTS

- 10.1.1 SWAT would like to thank the Client for commissioning the project. Thanks are also extended to Simon Mason, Principal Archaeological Officer at Kent County Council, for his advice and assistance.
- 10.1.2 Peter Cichy, Bartek Cichy, Dan Leaver and Tegan Meaney from SWAT Archaeology carried out the archaeological fieldwork; illustrations and drone photography were produced by Bartek Cichy. The report was written by Peter Cichy and Bartek Cichy. On behalf of the client project was directed by Dr Paul Wilkinson MCIfA, FRSA of SWAT Archaeology.

11 REFERENCES

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SWAT Archaeology 2023 Specification for an Archaeological Evaluation of land at Wises Lane, Borden in Kent

12 APPENDIX 1 - HER FORM

Site Name: land at Wises Lane, Borden in Kent (Rugby Club) Phase 2E

SWAT Site Code: WLS2E-EV-23

Site Address: As above

Summary. Swale & Thames Survey Company (SWAT Archaeology) were commissioned to undertake an archaeological evaluation on land at Wises Lane, Borden in Kent. The archaeological programme was

monitored remotely by the Principal Archaeological Officer at Kent County Council.

The archaeological works have investigated the extents of the proposed development area using 20

trenches measuring 25m in length.

Archaeological investigation has exposed Late Prehistoric activity in northern part of the site comprising

3 LBA/ EIA field ditches and potential Holloway. Additionally Late medieval brick kiln was exposed in

north-eastern corner of the site. Several Late Post medieval to modern refuse pits were investigated

across the site. A vast colluvium deposits were also tested but no further archaeological cuts were found

underneath those layers.

The archaeological evaluation has been successful in fulfilling the primary aims and objectives of the

Specification and has assessed the archaeological potential of land intended for development. The

results from this work will be used to aid and inform the Senior Archaeological Officer of any further

archaeological mitigation measures that may be necessary in connection with any future development

proposals.

No further work is recommended for Phase 2E

District/Unitary: Swale Borough Council

Period(s): Late Bronze Age, Early to Late Iron Age, Late Medieval to Late Post Medieval and modern

NGR (centre of site to eight figures) NGR 588650 163350

Type of Archaeological work: Archaeological Evaluation

Date of recording: June-July 2023

Unit undertaking recording: Swale and Thames Survey Company (SWAT Archaeology)

Geology: Seaford Chalk Formation and Thanet Formation of Sand, Silt and Clay

Title and author of accompanying report: Peter Cichy (2023) Archaeological Evaluation of land at Wises

Lane, Borden in Kent (Rugby Club) Phase 2E

Location of archive/finds: SWAT. Archaeology. Graveney Rd, Faversham, Kent ME13 8UP

Contact at Unit: Paul Wilkinson

Date: 22/07/2023

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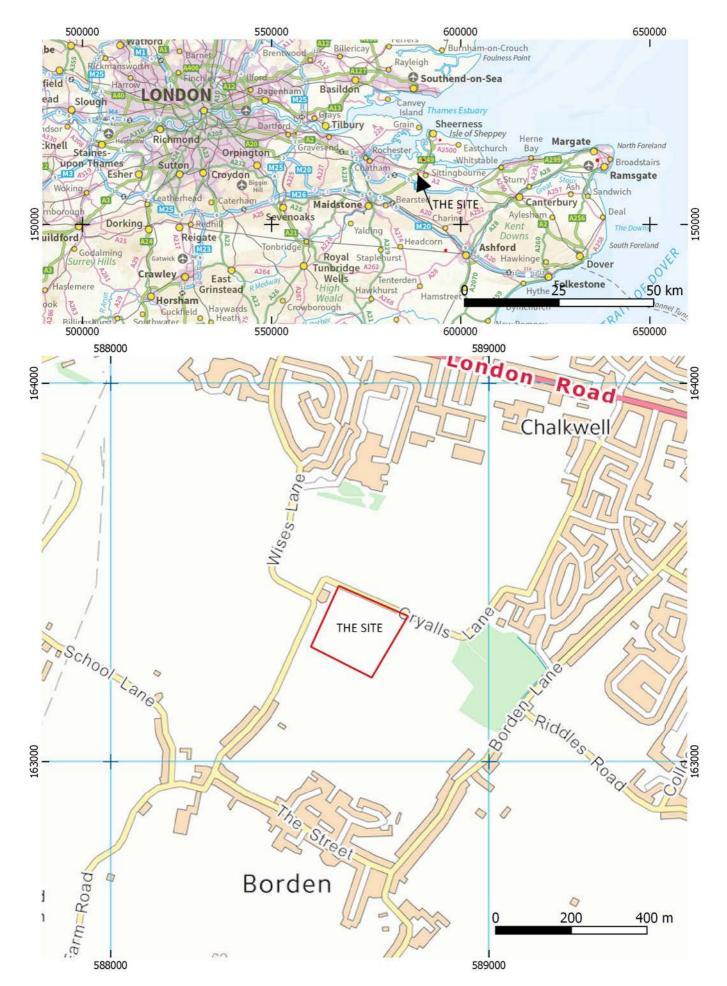
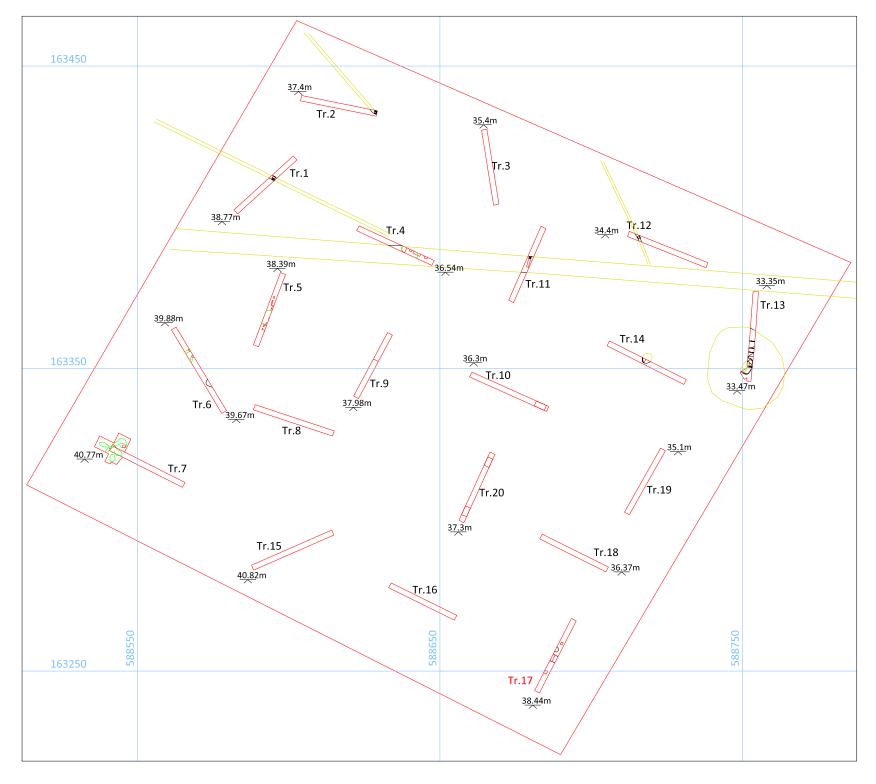


Figure 1: Site location





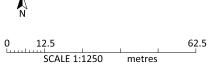


Figure 3: Trench location



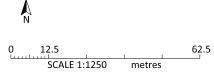
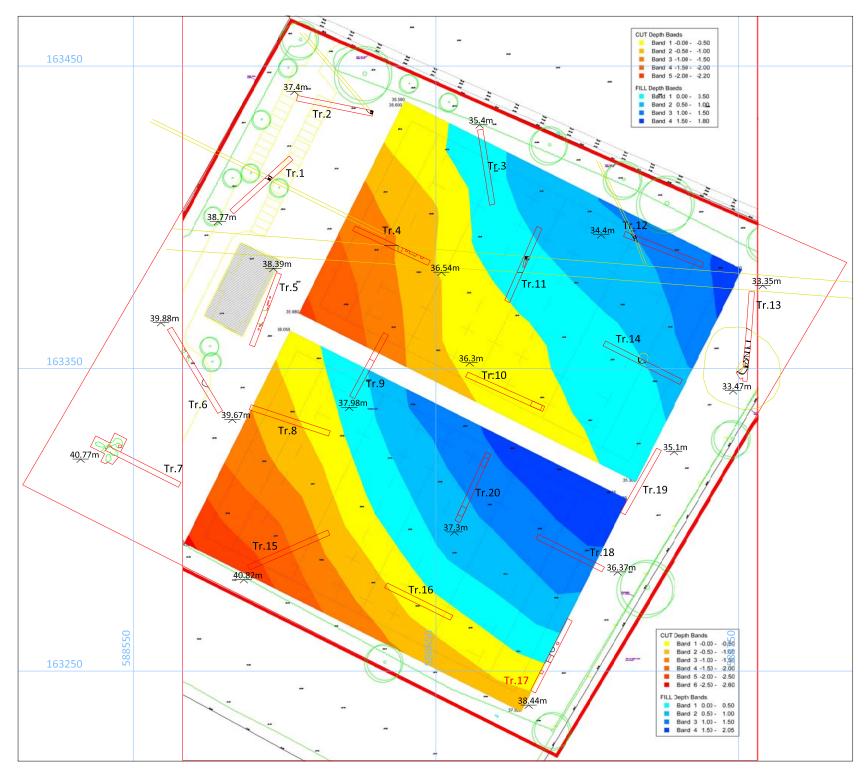


Figure 3B: Trench location in relation to geophysical survey interpretation



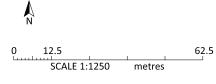
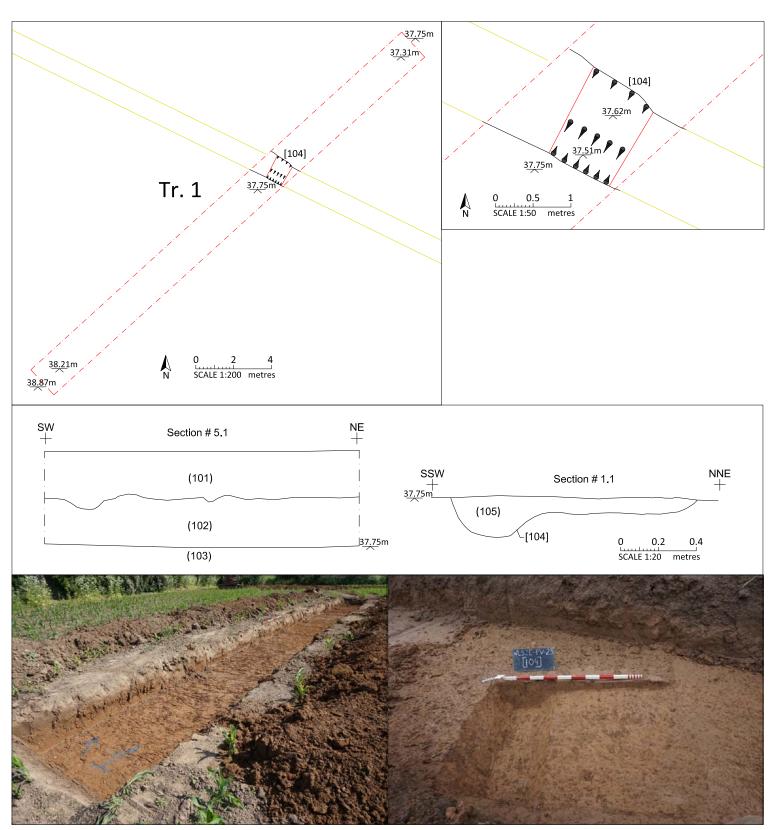
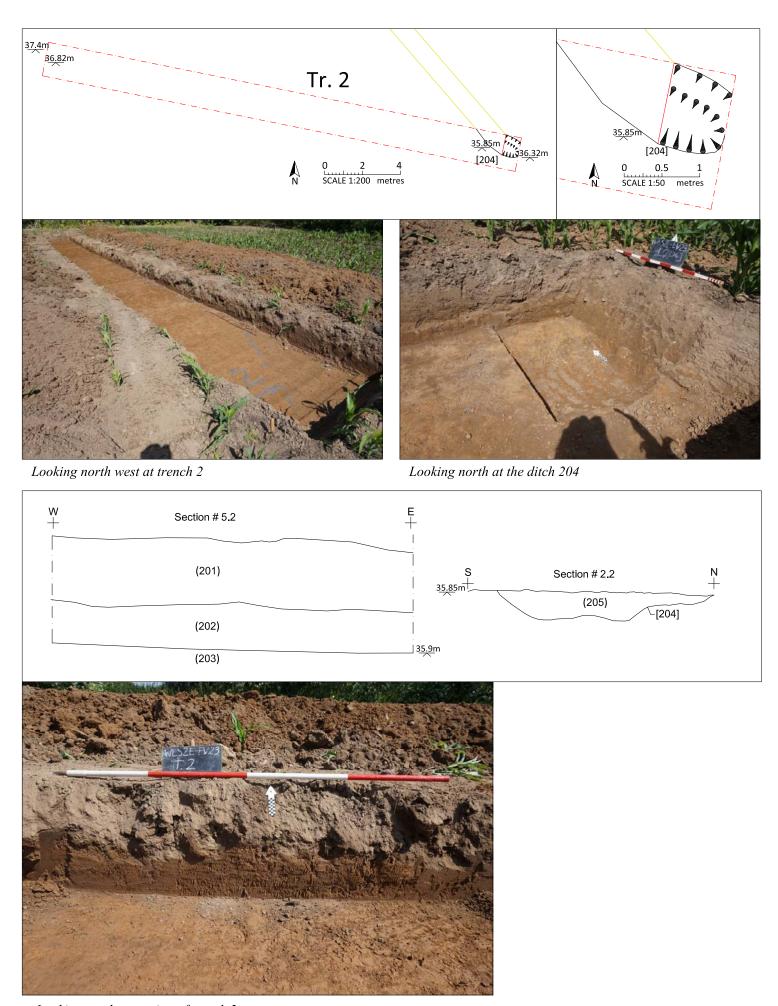


Figure 3C: Trench location in relation to the proposed groundworks



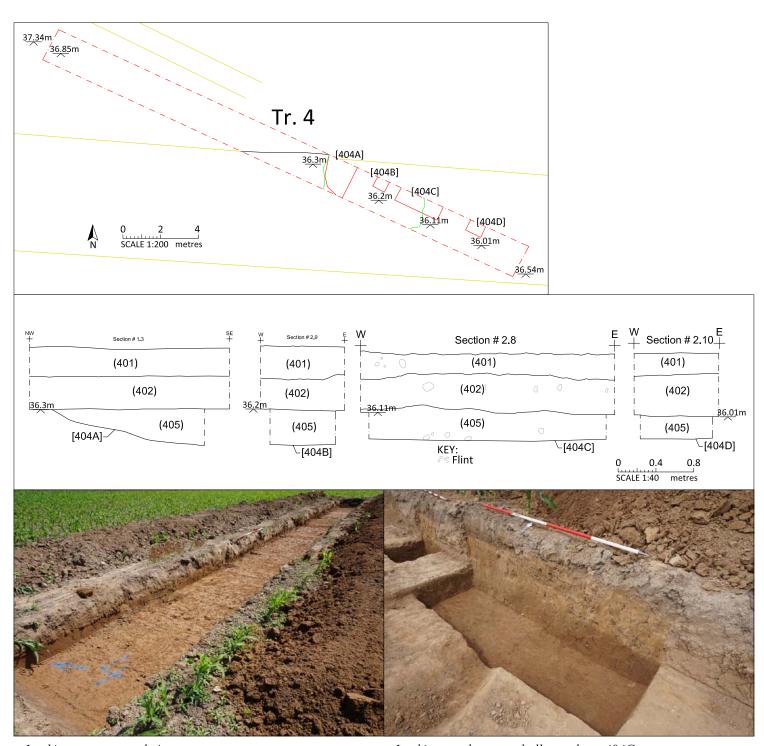
Looking north at trench

Looking north west at ditch 104



Looking north at section of trench 2

Figure 5: Trench 2



Looking east at trench 4

Looking north west at holloway base 404C

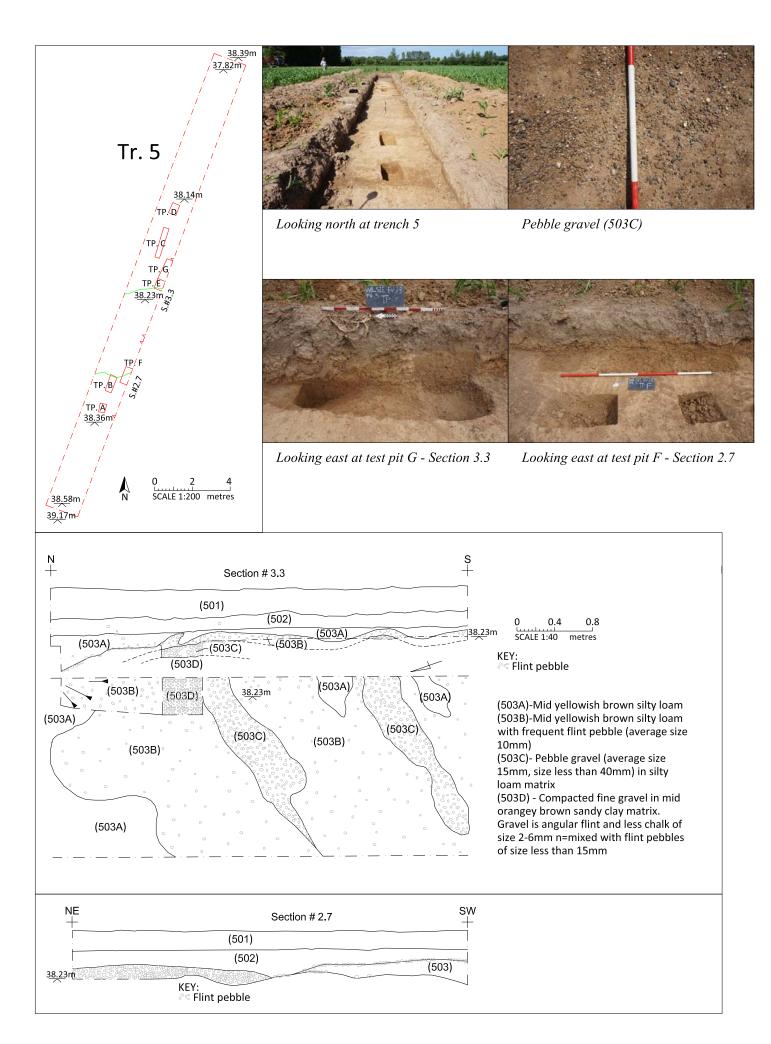


Figure 7: Trench 5

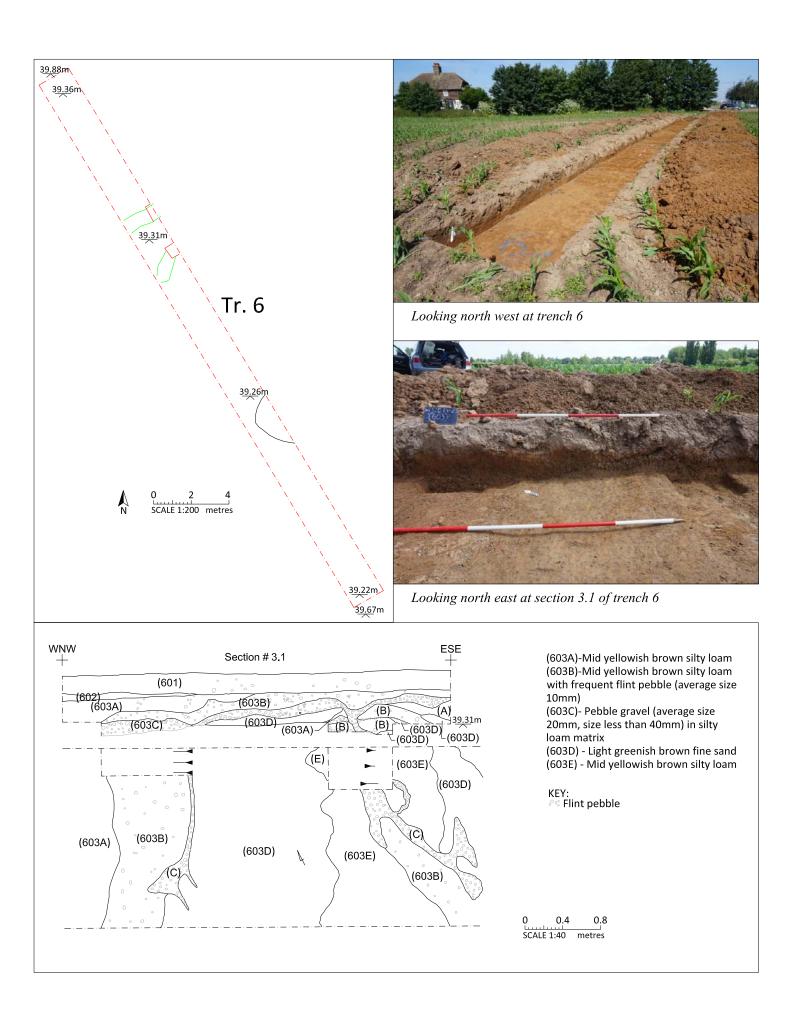
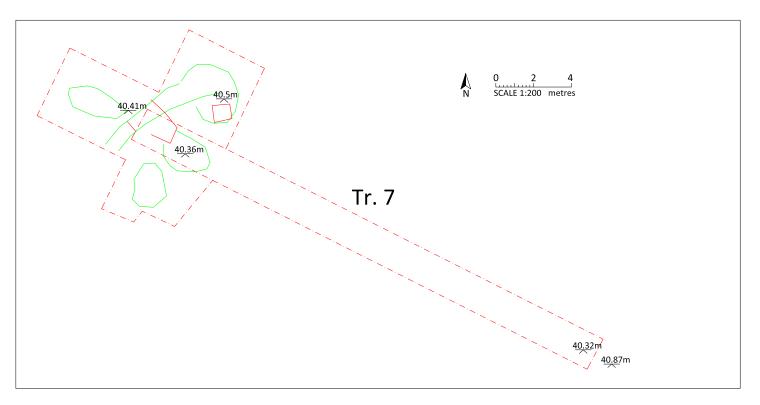


Figure 8: Trench 6





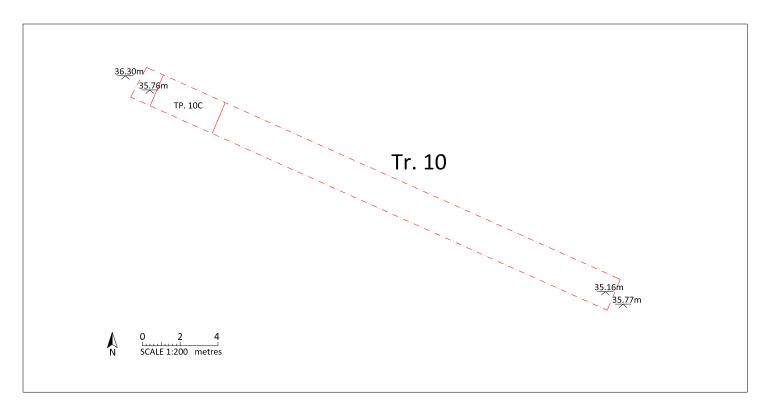
Looking west at trench 7

Looking north east at section of trench 7



Looking north east at section of outcropping bedrock

Looking south east at outcropping bedrock comprising chalk and tabular flint cobbles





Looking east at trench 10

Looking north at section of trench 10



Looking north west at test pit at west end of of trench 10

Figure 10: Trench 10

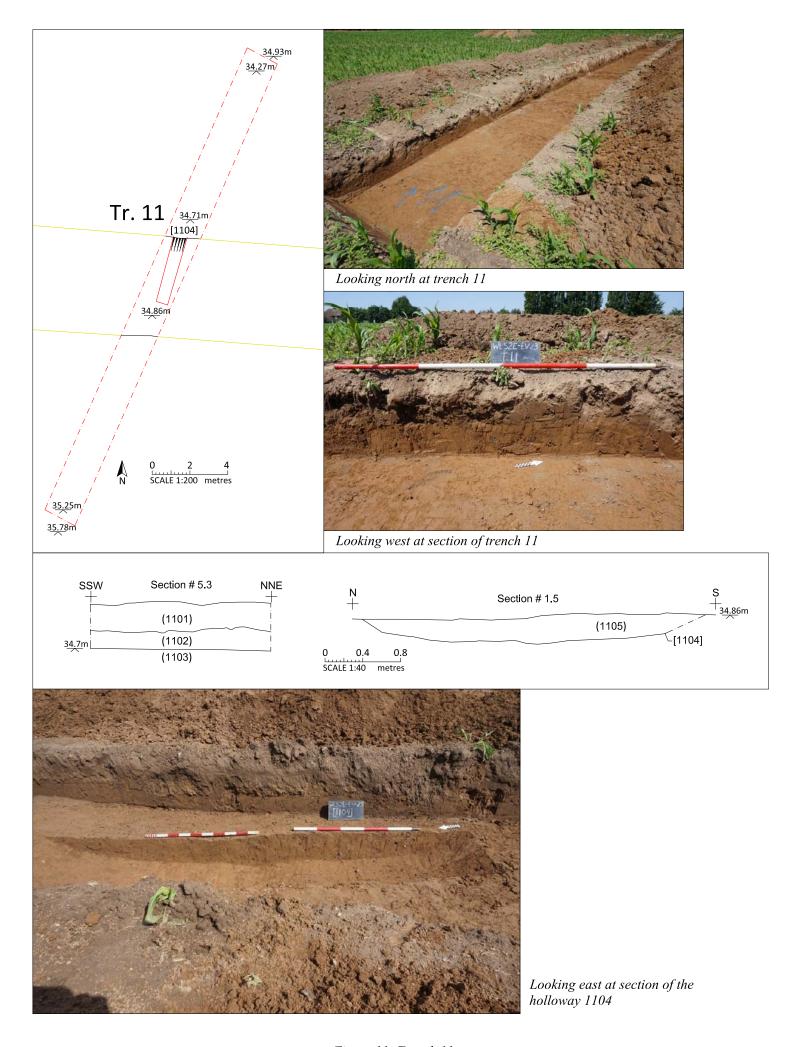
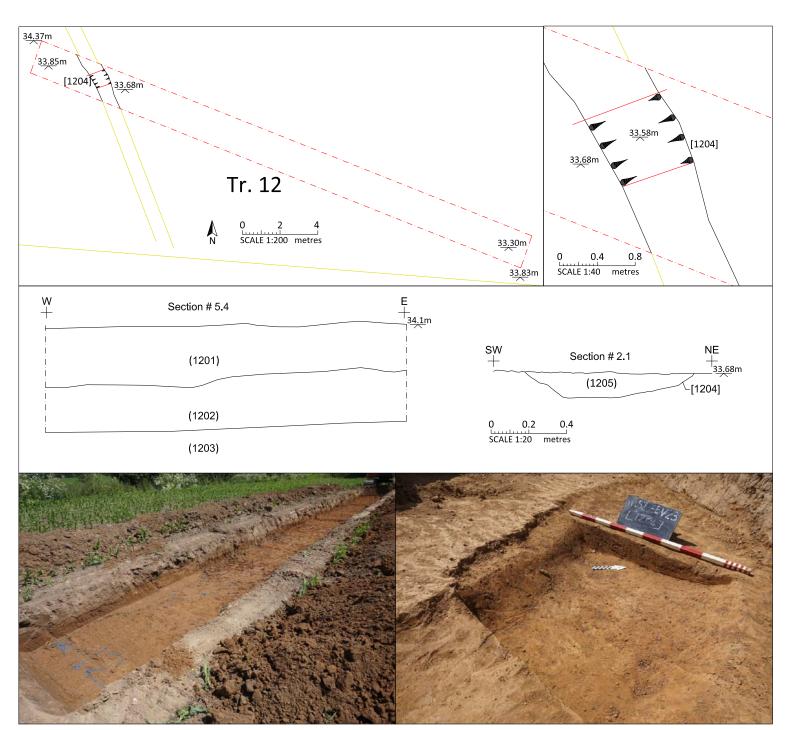


Figure 11: Trench 11



Looking east at trench 12

Looking west at section of ditch 1204

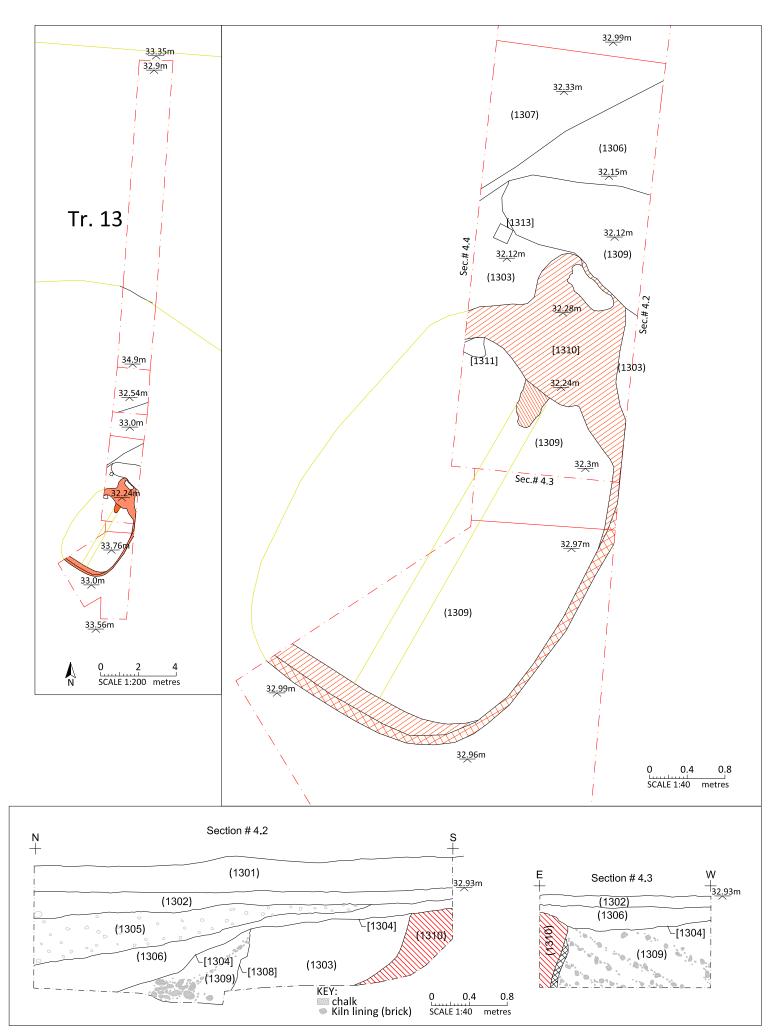
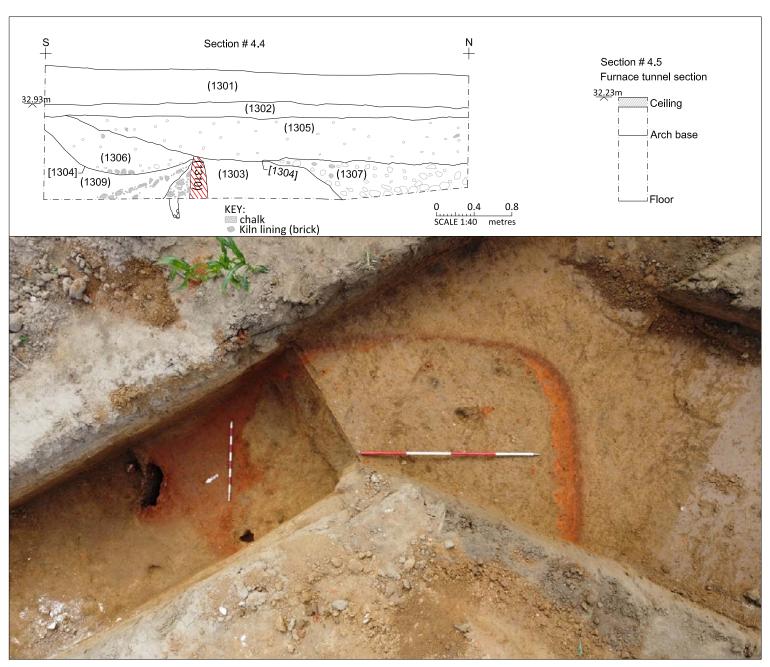


Figure 13: Trench 13



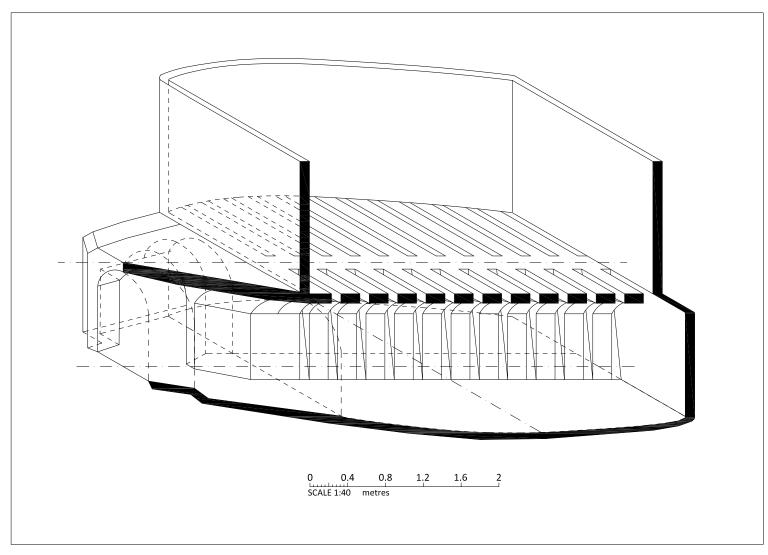
Brick kiln top view



Looking south at the kiln

Looking north east at the collapsed arched celling of the kiln furnace tunnel

Figure 14: Trench 13



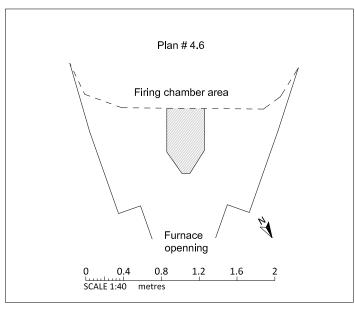


Figure 15: Isometric view of the reconstructed kiln and plan of the furnace tunnels

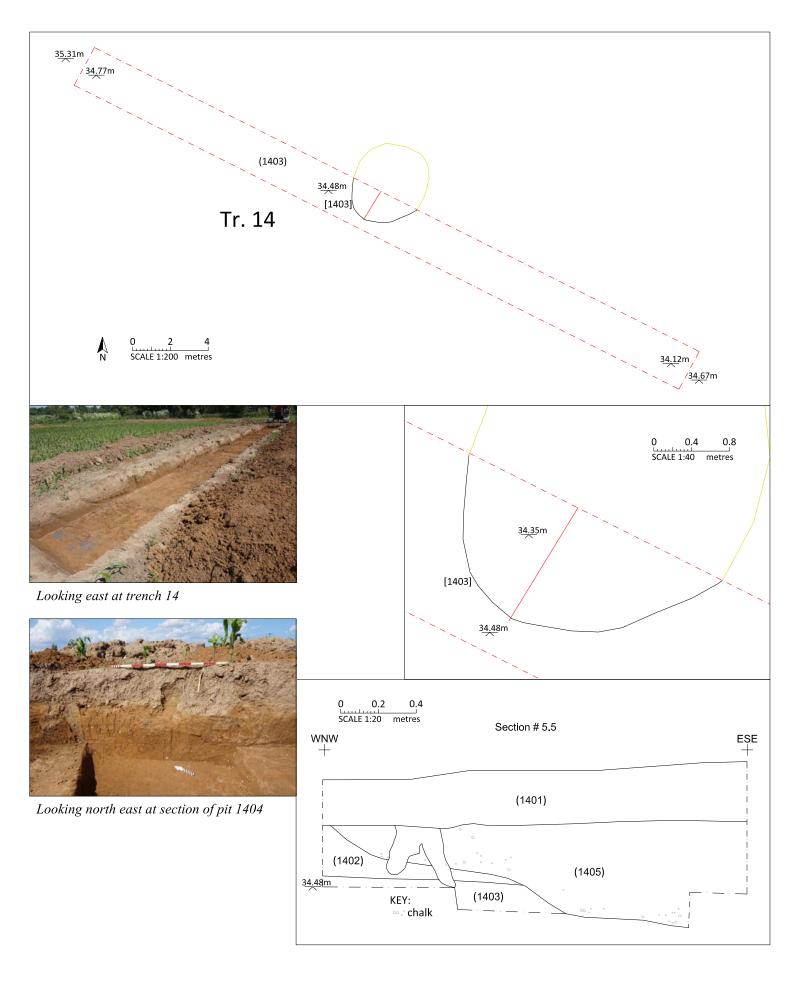
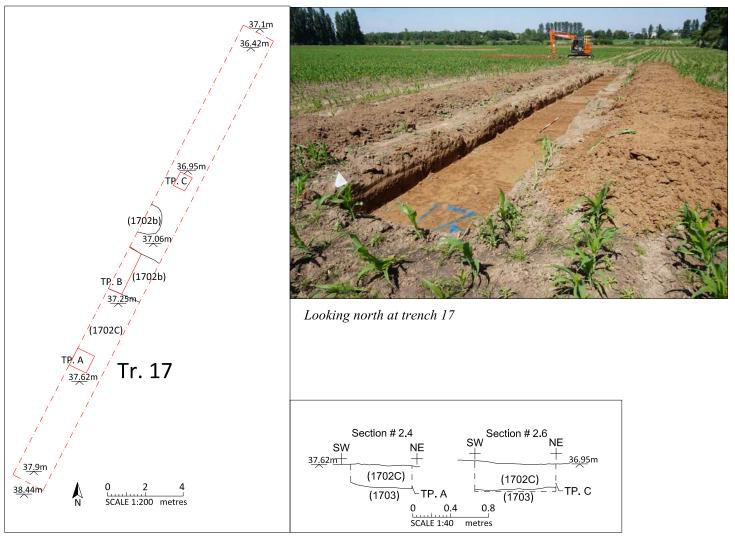
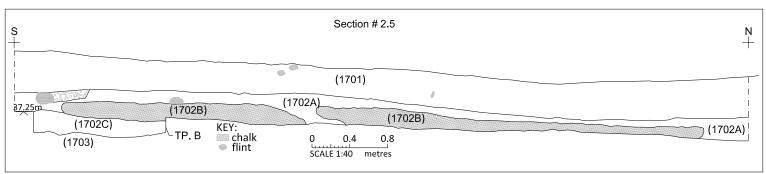
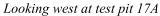


Figure 16: Trench 14





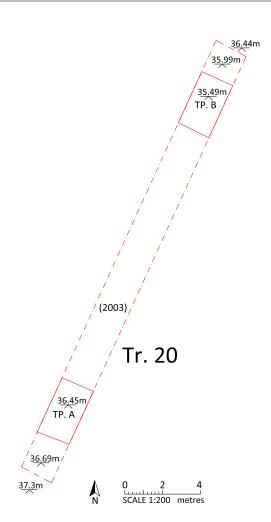


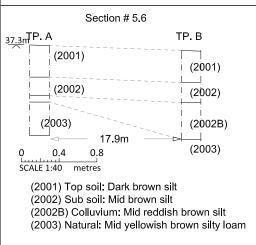




Looking west at test pit 17B

Figure 17: Trench 17







Looking north at trench 20



Looking south east at section of trench 20



Figure 18: Trench 20