making sense of heritage

Land North of Goldring Close Mengham, Hayling Island Hampshire

Archaeological Evaluation Report

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June 2014

archaeology

Land North of Goldring Close, Mengham, Hayling Island Hampshire

Archaeological Evaluation Report

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Land North of Goldring Close, Mengham, Hayling Island Hampshire

Archaeological Evaluation Report

Summary

Wessex Archaeology was commissioned by CgMs Consulting on behalf of Bellway Homes to undertake a trial trench evaluation on land to the north of Goldring Close, Mengham, Hayling Island, Hampshire, centred on National Grid Reference (NGR) 472503 099444.

Planning consent has been granted for the construction of a new residential development with drainage and associated works. In accordance to national legislation and local planning policies, and following a desk-based assessment of the site, the Senior Archaeologist at Hampshire County Council had requested further works by means of evaluation trenching so that informed decisions could be made regarding the scope of any further mitigation that may be needed before or during the development.

The archaeological works proposed the machine excavation of 30 trenches, each measuring 30m x 2m. On the recommendation of the Senior Archaeologist, two additional 10m trenches were excavated as a contingency during the main phase of investigation, to confirm the extent and alignment of a ditch within the centre of the site. Together, the trial trenches covered a 4% sample of the total site area.

The evaluation identified two postholes, one Romano-British and the other medieval, a modern field boundary, and the remains of a possible unurned cremation burial. A number of undated linear gullies and ditches were also identified, and together suggest a relatively low level of activity within the site.

The programme of work was carried out between the 22nd and the 28th of April 2014.

Land North of Goldring Close, Mengham, Hayling Island Hampshire

Archaeological Evaluation Report

Acknowledgements

This project was commissioned by CgMs Consulting on behalf of Bellway Homes, and Wessex Archaeology would like to thank Matthew Smith and Peter Whiting in this regard. Wessex Archaeology would also like to thank Hannah Fluck of Hampshire County Council (HCC) who monitored this project on the behalf of the local authority.

The archaeological evaluation was directed in the field by John Powell and assisted by Piotr Orczewski, Jamie McCarthy, Jen Smith and Ben Tremain. Finds were assessed by Lorraine Mepham and Jacqueline I. McKinley (cremated bone). The environment sample was processed by Nicki Mulhall and was assessed by Sarah F. Wyles. The report was compiled by John Powell and Matt Kendall and the graphics were prepared by S. E. James. The overall project was managed by Sue Farr, who also edited this report.

Land North of Goldring Close, Mengham, Hayling Island Hampshire

Archaeological Evaluation Report

1 INTRODUCTION

1.1 Project background

1.1.1 Wessex Archaeology was commissioned by CgMs Consulting to undertake an archaeological trial trench evaluation at Goldring Close, Mengham, Hayling Island, Hampshire, PO11 9PX, centred on National Grid Reference (NGR) 472503 099444 (hereafter 'the Site') (**Figure 1**).

1.1.2 A Desk-Based Assessment (DBA) was prepared (CgMS 2012a) which outlined the archaeological potential of the Site, and identified a moderate to high potential for archaeology to survive within the area. The Senior Archaeologist at Hampshire County Council (HCC) recommended a trial trench evaluation was undertaken to assess the archaeological potential of the Site.

1.1.3 The evaluation formed the first phase of intrusive archaeological works on the Site, and consisted of the machine excavation of 30 no. evaluation trenches each measuring 30m x 2m wide, which represented a 4% sample of the proposed development area. On the instruction of the Senior Archaeologist at HCC, two further 10m long trenches were excavated as a contingency.

1.1.4 The fieldwork strategy and methodology was documented in a Written Scheme of Investigation (CgMs 2012b) and was submitted to and approved by the Senior Archaeologist at HCC prior to fieldwork commencing. The evaluation was carried out between the 8th and 11th April 2014.

1.2 The Site

1.1.1 The Site lies within the administrative boundary of Havant Borough Council, and is positioned near the centre of Mengham, on Hayling Island, Hampshire. (**Figure 1**). It is bounded to the north by residential properties fronting Hawthorne Grove, and further residential properties to the south and south-west along St Margaret's and Goldring Close.

1.1.2 The Site is approximately 4.3 hectares, and consists of two large fields which are subdivided into a number of smaller paddocks. The external boundaries of the fields comprise trees or large hedgerows, with chain link or lightweight fencing forming internal divisions within the Site.

1.1.3 The Site is largely flat, although it slopes very gently to the east and south-east where water runs into estuaries forming part of Chichester Harbour. At the north-west end, the Site lies at an elevation of approximately 5.85m above Ordnance Datum (aOD) before dropping to 5m aOD towards the centre, and then falling to 4.56m aOD in the south-east of the Site.

1.1.4 The solid geology of the Site is London Clay Formation, comprising clay, silt, sand and sand deposits (British Geological Survey; Sheet 331:Portsmouth). The drift geology underlying the Site is identified as River Terrace Deposits comprising sand, silt and clay.

1.1.5 A Ground Investigations Report (Ground Investigations Soils Ltd. 2012) has been undertaken and comprised the excavation of eighteen trial pits, excavated to a maximum depth of 2.20m. Topsoil measuring between 0.05m to 0.4m thick was recorded, overlying a River Terrace Deposits, and although variable, generally comprised orange brown to grey brown mottled sandy gravelly clay.

2 ARCHAEOLOGICAL BACKGROUND

2.1 Introduction

2.1.1 The archaeological background of the Site has previously been considered in a Desk-Based Assessment (CgMs 2012a). The findings of the DBA are summarised below.

2.1.2 Although outside of the Study Area of the DBA, results from a survey of Langstone Harbour on the eastern side of Hayling Island were also been considered given the similarities between both Langstone and Chichester Harbour.

1.2 Designated heritage assets

1.2.1 No designated heritage assets were recorded within the Site itself.

1.2.2 Tourner Bury Iron Age hillfort (Monument No. 462185) is located approximately 750m to the north-east of the Site, and comprises a univallate oval camp, enclosing an area measuring 3.4ha in extent.

1.3 Non-designated heritage assets

1.3.1 The majority of the findspots identified within the Study Area date to the prehistoric and Romano-British periods, although few modern archaeological investigations have been undertaken within the area.

1.3.2 Although no Mesolithic activity has been recorded within the Site or Study Area, Mesolithic flint scatters at or below the present tide level have been recorded along the Hampshire coastline. The material collected suggests extensive exploitation of former dry land, rather than the coastal zone, and detailed survey and artefact collection on the foreshore at Langstone Harbour indicated the original presence of numerous small Mesolithic and later scatters (Allen and Gardiner 2000).

2.1.3 The Hampshire Archaeology and Historic Buildings Record (AHBR) has indicated Bronze Age activity to the west of the Site at Elm Grove, possibly suggesting settlement in the area. Bronze Age activity is known more widely on Hayling Island in the form of barrows, bronze axe hoards and flint scatters.

2.1.4 Although the Scheduled Tourner Bury Hillfort to the north-east of the Site indicates a level of settlement and organisation of this area during the Iron Age, there was little other evidence dating to the Iron Age in the vicinity.

2.1.5 The archaeological assessment highlighted that during the Roman period there was some level of settlement immediately to the south of the Site, as well as Roman activity in the vicinity of Tourner Bury Hillfort.

2.2 Historic mapping

2.2.1 Historic map regression exercise undertaken as part of the Desk-Based Assessment indicated that the Site has been open or agricultural land for at least 200 years (CgMS 2012a). More recently the Site has been used as a series of small paddock and impacts on below ground deposits derived from activities such as modern ploughing was considered to have been low.

3 METHODOLOGY

3.1 Aims and objectives

3.1.1 With due regard to the IfA *Standard and Guidance for archaeological evaluation* (IfA 2008), the aims of the archaeological field evaluation were to:

- *Clarify the presence/absence and extent of any buried archaeological remains within the Site that may be impacted by development;*
- *Identify, within the constraints of the evaluation, the date, character and condition of any surviving remains within the Site;*
- *Assess the degree of existing impacts to sub-surface horizons and to document the extent of archaeological survival of buried deposits;*
- *Identify any evidence of Bronze Age, Iron Age and Romano-British activity on the Site and to identify its relationship to eh nearby hillfort at Tourner Bury; and*
- *Produce a report which will present the results of the evaluation in sufficient detail to allow an informed decision to be made concerning the Site's archaeological potential and future mitigation strategy.*

3.2 Fieldwork methodology

3.2.1 A Written Scheme of Investigation (WSI; CgMs 2012b) was compiled which detailed the scope of archaeological work required. A total of 30 machine excavated trial trenches were proposed, each measuring 30m x 1.8m, and comprised a 4% sample of the Site. Due to the location of a electricity cable and foul sewer pipe, several trenches were repositioned and shortened at the northern and eastern ends of the Site respectively. In addition, two further 10m long trenches were excavated at the request of the Senior Archaeologist at HCC.

3.2.2 The trial trenches were set out using a Leica Viva series GNSS unit using the OS National GPS Network through an RTK network with a 3D accuracy of 30mm or below. All survey data was recorded using the OSGB36 British National Grid coordinate system.

3.2.3 Prior to machine excavation, the trenches were scanned using a cable avoidance tool (CAT) by operatives experienced in the use of such equipment. Excavation was carried out by a tracked 360º mechanical excavator fitted with a 2.0m wide toothless ditching bucket, supervised by a suitably qualified archaeologist at all times. Topsoil and subsoil were removed by machine in a series of level spits to the top of the archaeology or natural, whichever was encountered first. The excavated spoil was stockpiled at a safe distance from the edge of each trench, and separated into topsoil and subsoil bunds.

3.2.4 On completion of investigations at each trench, topsoil and subsoil were reinstated to broadly replicate the stratigraphic sequence encountered, and levelled to the existing ground surface.

3.3 Monitoring

3.3.1 The fieldwork stage of the evaluation was monitored by the Senior Archaeologist at HCC.

3.4 Recording

3.4.1 The trial trenches were cleaned by hand and recorded in plan using GPS survey equipment. To ensure that a unique project-wide geo-referenced sequence was maintained, all allocated context numbers were related to the investigation areas (*i.e.*, the trench number).

3.4.2 Full written and photographic records were made of each investigation area, even where no archaeological remains were identified. Feature sections and representative sections were recorded at an appropriate scale (1:10). Other plans, sections and elevations of archaeological features and deposits were drawn as necessary at an appropriate scale (normally 1:10 or 1:20). Drawings were made in pencil on permanent drafting film. Written records were made using WA *pro forma* record sheets.

3.4.3 The spot height of all trench levels were calculated in metres relative to Ordnance Datum, correct to two decimal places. Plans and sections have been annotated with spot heights as appropriate.

3.4.4 A full photographic record was maintained during the evaluation using 35mm colour and black and white film and a digital camera with an image sensor of not less than 10 megapixels. General site photographs were taken to record the progress of the investigations, including shots suitable for use in publicity material, and to record the condition of the land prior to trenching and after reinstatement.

4 ARCHAEOLOGICAL RESULTS

4.1 Introduction

4.1.1 The following section provides a summary of the results of the archaeological evaluation on the Site. Detailed descriptions relating to each identified archaeological feature and deposit can be found in the trench tables at the back of this report (**Appendix 1: Table 1**). Similarly blank trenches are not covered in the Results section but are detailed in the appendix. Trench and context numbers are shown in bold (e.g., pit **304** in **Trench 3**).

4.1.2 Works comprised the machine excavation of 32 trenches, ranging from 10m - 30m in length, and the subsequent archaeological recording, prior to backfilling.

4.2 Natural deposits and soil sequences

4.2.1 The underlying geology across the Site was made up of River Terrace Deposits and London Clay Formation which comprised Clay, Silt and Sand deposits in varying quantities (**Plate 1**). The natural geology was overlain by topsoil and subsoil deposits which were between 0.30m and 0.40m thick across the whole Site (**Plate 2**).

4.3 Summary of evaluation results

4.3.1 A total of 32 trenches were excavated across the Site, 12 of which identified archaeological features (**Trenches 3, 11, 12, 16, 17, 18, 19, 20, 23, 24, 25,** and **30**). Feature types included pits, postholes, gullies ditches and an unurned cremation. The majority of the features identified related to ditches and gullies, and probably relate to various attempts to drain the local landscape.

4.3.2 No archaeological features or deposits were encountered in Trenches **1**, **2**, **4** – **11**, **12** – **15**, **19**, **21**, **22**, **24**, **26** – **29**, **31**, and **32**.

4.4 Archaeological features

Cremation burial

4.4.1 The remains of a cremation-related deposit, possibly an unurned burial (**2304**) with redeposited pyre debris, was uncovered at the southern end of **Trench 23** in the south of the Site. The feature measured 0.47m in diameter and approximately 0.15m deep, and was 100% sampled during the fieldwork. Subsequent analysis of the material from the deposit has confirmed that the cremated bone is human, but no pottery was recovered from the material to date the feature.

Pits and postholes

4.4.2 Within **Trench 3** pit **304** (**Figure 2**, **Plate 3**) was sub-oval in plan, and located broadly in the centre of the trench. Measuring 0.89m in length and 0.82m wide, it contained a charcoal-rich deposit indicative of a deliberate backfilling event. The base of the feature showed signs of being heat affected, suggesting either *in situ* burning, or that the material was deposited when it was still at a significant heat. No pottery was recovered to provide a date for the feature.

4.4.3 Excavation of **Trench 30** in the south-west corner of the Site revealed two probable postholes located in the middle of the trench which were recorded as **3004** and **3005** (**Figure 2**). Posthole **3004** was only partially revealed in the trench, but excavation confirmed it measured 0.49m in diameter and 0.29m deep, with steep concave sides. Pottery recovered indicated a Romano-British date for this feature. Posthole **3006**, located approximately 0.50m to the east of **3004**, measured 0.30m in diameter and 0.09m deep. Pottery recovered from this posthole indicated an early medieval date.

Ditches and gullies

4.4.4 At the northern end of **Trench 11** in the centre of the Site, an east to west aligned ditch **1104** was identified running perpendicular to the trench. The ditch measured 0.50m wide, however excavation was not possible due to the high water table, which flooded the trench soon after it had been excavated. Towards the western end of **Trench 12**, linear ditch **1204** was recorded on a north-west to south-east alignment, and may be a continuation of the ditch recorded in **Trench 11**. Measuring 1.10m wide, this feature remained unexcavated due to the high water table. At the request of the Senior Archaeologist, two contingency trenches (**Trenches 31** & **32**) were excavated to establish if the ditches formed part of the same feature. No features were recorded in either trench.

4.4.5 Located within **Trenches 16**, **17** and **24**, a north to south aligned ditch was identified and recorded as **1604**, **1704**, and **2404** respectively (**Figures 1** & **2**). Investigation of **1704** and **2404** was not possible due to flooding, but a slot excavated through ditch **1604** confirmed that the linear feature was 0.65m wide and 0.36m deep. The ditches' form and alignment suggests that it is a possible field boundary, and glass fragments recovered from the infilling deposits indicate it is of a relatively modern date.

4.4.6 At the northern end of **Trench 19**, a north-west to south-east orientated linear gully (**1904**) was identified (**Plate 4**). The gully measured 0.36m wide and 0.11m deep. While no dating was recovered from the investigated slot, the colour and nature of the fill suggested it was of some antiquity. At its north-western end, the gully intersected with another feature however, due to flooding, a slot to investigate their relationship was not possible.

4.4.7 Within **Trench 20**, an east to west aligned ditch, **2004**, was identified in the southern half of the trench (**Plate 5**), and measured 0.27m deep. No datable material was recovered from the single fill.

4.4.8 Two linear ditches, **2504** and **2506**, were located in **Trench 25** in the south-eastern corner of the Site. Ditch **2504** was aligned in a north-west to south-east direction and measured 1.50m wide, while ditch **2506** to the immediate north ran in an east to west orientation, and measured 0.25m wide. Due to the flooding of the trench, neither feature was excavated.

5 ARTEFACTUAL EVIDENCE

5.1 Introduction

5.1.1 A very small quantity of finds was recovered during the evaluation, deriving from contexts in three of the trenches excavated (**Trenches 16**, **23** and **30**). This very small assemblage includes material of Romano-British, medieval and modern date.

5.2 Finds

5.2.1 The two sherds of pottery comprise a Romano-British greyware jar rim from pit **3004** (fill **3007**), and a medieval (11th/12th century) coarseware jar rim from pit **3005** (fill **3006**).

5.2.2 Four fragments of glass from ditch **1605** (fill **1606**) derive from a modern green glass bottle with an embossed proprietary label (of which only one letter is visible).

5.3 Cremation burial

5.3.1 A small quantity of cremated human bone together with relatively substantial quantities of fired clay fragments were recovered from the charcoal-rich fill of cut **2304**, all components being evident at surface level. The bone is slightly worn and chalky in appearance, the absence of any trabecular bone further demonstrating the adverse taphonomic effects of burial within an acid environment.

5.3.2 The bone comprises the remains of a subadult/adult individual (>15 yr.). The assemblage includes fragments of well-oxidised (white) skull vault and long bone shaft.

5.3.3 The deposit is likely to represent the remains of an unurned cremation burial with redeposited pyre debris but, given the very small quantity of bone and the frequency and distribution of the other archaeological components, it could represent redeposited pyre debris alone. The date of the deposit is unknown.

6 ENVIRONMENTAL EVIDENCE

6.1 Introduction

6.1.1 A bulk sample was taken from cremation-related deposit **2304** in **Trench 23** to evaluate the presence and preservation of palaeo-environmental remains. It was processed for the recovery and assessment of charred plant remains, wood charcoal and cremated bone.

6.2 Charred plant remains

6.2.1 The bulk sample was processed by standard flotation methods; the flot retained on a 0.5 mm mesh, the residue fractionated into 4mm, 2mm and 1mm fractions and dried. The coarse fraction (>4mm) was sorted, weighed and discarded. The flot was scanned under a x10 – x40 stereo-binocular microscope and the preservation and nature of the charred plant and wood charcoal remains recorded in **Table 2**. Preliminary identifications of

dominant or important taxa are noted below, following the nomenclature of Stace (1997) for wild plants, and traditional nomenclature, as provided by Zohary and Hopf (2000, Tables 3, page 28 and 5, page 65), for cereals.

6.2.2 The flot was large with a moderate quantity of roots and modern seeds. Charred material comprised varying degrees of preservation.

6.2.3 An indeterminate grain fragment was observed within the flot.

6.3 Wood charcoal

6.3.1 Wood charcoal was noted from the flot of the bulk sample and is recorded in **Appendix 2: Table 3**. The large quantity of wood charcoal retrieved from cremation related deposit **2304** included mature wood fragments.

6.3.2 The analysis of the wood charcoal has the potential to provide some information on the species composition, management and exploitation of the local woodland resource as well as assisting in determining the nature of any local funerary practices, and should be considered for analysis once any further work has taken place.

7 DISCUSSION

7.1 Summary and conclusions

7.1.1 The evaluation identified two postholes, one Romano-British and the other medieval, a modern field boundary, and the remains of a possible unurned cremation burial. A number of undated linear gullies and ditches were also identified, and together suggest a relatively low level of activity within the site.

8 STORAGE AND CURATION

8.1 Museum

8.1.1 It is recommended that the project archive resulting from the evaluation be deposited with the Hampshire County Council Museum Service (HCCMS). The museum has agreed in principle to accept the project archive on completion of the project. The archive is currently held at Wessex Archaeology's Salisbury office under the site code **103800**.

8.1.2 Deposition of any finds with the Museum will only be carried out with the full agreement of the landowner.

8.2 Archive

8.2.1 The complete Site archive, which will include paper records, photographic records, graphics, artefacts and ecofacts, and digital data, will be prepared following the standard conditions for the acceptance of excavated archaeological material, and in general following nationally recommended guidelines (SMA 1995; IfA 2009; Brown 2011; ADS 2013).

8.2.2 All archive elements are marked with the Site code (**103800**). A fully cross-referenced index of the archive will be prepared on completion of the project. The physical archive comprises the following.

- 1 small cardboard box of artefacts and ecofacts, ordered by material type.
- 1 file of paper records and A3/A4 graphics.

8.3 Discard policy

8.3.1 Wessex Archaeology follows the guidelines set out in *Selection, Retention and Dispersal* (SMA 1993), which allows for the discard of selected artefact and ecofact categories which are not considered to warrant further analysis. Any discard of artefacts will be fully documented in the project archive.

8.3.2 The discard of environments remains and samples follows nationally recommended guidelines (SMA 1993; 1995; English Heritage 2002).

8.4 Security Copy

8.4.1 In line with current best practice (e.g. Brown 2011), on completion of the project a security copy of the written records will be prepared, in the form of a digital PDF/A file. PDF/A is an ISO-standardised version of the Portable Document Format (PDF) designed for the digital preservation of electronic documents through omission of features ill-suited to long-term archiving.

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10 APPENDICES

10.1 Appendix 1: Trench tables

Table 1: Trench Summaries

bgl = below ground level

TRENCH 1			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.52m**	**Ground level: 5.65m**	
Co-ordinates: E 475603.30 N 099674.74 and E 472602.40 N 099648.75				
Context	**Description**			**Depth (m) bgl**
101	Topsoil	Light grey brown silty loam with sparse sub rounded and sub angular stones (<0.03m) and grass rooting.		0.00-0.16m
102	Subsoil	Light grey brown silty clay, no inclusions.		0.16-0.40m
103	Natural	Mid yellow brown silty clay with patches of light brown grey, no inclusions.		0.40m +

TRENCH 2			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.48m**	**Ground level: 5.61m**	
Co-ordinates: E 472540.88 N 099665.92 and E 472570.70 N 099666.15				
Context	**Description**			**Depth (m)**
201	Topsoil	Mid grey brown sandy loam, rare coarse sub-rounded gravel inclusions (<0.06m)		0.00-0.12m
202	Subsoil	Dark yellow brown sandy clay, no inclusions.		0.12-0.29m
203	Natural	Mid yellow brown sandy clay, no inclusions.		0.29m+

TRENCH 3			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.48m**	**Ground level: 5.66m**	
Co-ordinates: E 472528.59 N 099664.72 and E 472527.73 N 099633.82				
Context	**Description**			**Depth (m)**
301	Topsoil	Mid grey brown silty loam with sparse sub rounded and sub angular stones (<0.03m), grass rooting.		0.00-0.16m
302	Subsoil	Light grey brown silty clay, no inclusions.		0.16-0.29m
303	Natural	Mid yellow brown silty clay with patches of light brown grey, no inclusions.		0.29m+
304	**Cut**	**Small circular pit with moderately sloped, concave sides and concave base, recorded as 0.89m in length by 0.82m in diameter and 0.16m deep. Common charcoal and fire stained natural clay may suggest burning in situ.**		**0.16m deep**
305	Fill	Secondary fill of pit **304**. Light grey sandy clay with moderate charcoal fragments.		0.11m thick
306	Fill	Deliberate backfill of pit **304**. Dark grey/black sandy clay with common charcoal and sparse fired clay (<0.06m).		0.06m thick

TRENCH 4			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.50m**	**Ground level: 5.50m**	
Co-ordinates: E 472507.84 N 099623.84 and E 472537.98 N 099623.98				
Context	**Description**			**Depth (m)**
401	Topsoil	Light grey brown silty loam, very rare stone inclusions.		0.00-0.16m
402	Subsoil	Light grey brown silty clay, very rare stone inclusions.		0.16-0.29m
403	Natural	Mid to light yellow silty clay, no inclusions.		0.29m +

TRENCH 5			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.54m**	**Ground level: 5.47m**	
Co-ordinates: E 472555.16 N 099642.37 and E 472555.23 N 099612.70				
Context	**Description**			**Depth (m)**
501	Topsoil	Mid grey brown sandy loam, sparse sub-rounded, mid gravel (<0.2m)		0.00-0.16m
502	Subsoil	Light brown silt loam with greyish hue. Common fine to medium flint gravel.		0.16-0.35m
503	Natural	Mid yellow brown sandy clay with rare fine gravel (<0.06m)		0.35+m

TRENCH 6			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.50m**	**Ground level: 5.48m**	
Co-ordinates: E 472576.23 N 099629.12 and E 472601.18 N 099629.14				
Context	**Description**			**Depth (m)**
601	Topsoil	Mid grey brown silty loam, rare stone inclusions, grass roots.		0.00-0.21m
602	Subsoil	Mid grey brown silty clay, no inclusions.		0.21-0.37m
603	Natural	Mid yellow brown silty clay, occasional grey patches, no inclusions.		0.37+m

TRENCH 7			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.53m**	**Ground level: 5.33m**	
Co-ordinates: E 472596.52 N 099612.77 and E 472596.34 N 099582.77				
Context	**Description**			**Depth (m)**
701	Topsoil	Mid grey brown silty loam, sparse sub rounded and sub angular stones (<0.03m), grass roots.		0.00-0.20m
702	Subsoil	Mid grey brown silty clay, rare stone inclusions.		0.20-0.36m
703	Natural	Mid yellow brown silty clay. Very rare inclusions, occasional grey patches.		0.36+m

TRENCH 8			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.56m**	**Ground level: 5.33m**	
Co-ordinates: E 472538.12 N 099600.03 and E 472567.89 N 099599.48				
Context	**Description**			**Depth (m)**
801	Topsoil	Mid grey brown silty loam, rare sub rounded and sub angular stones (<0.03m), grass roots.		0.00-0.18m
802	Subsoil	Mid grey brown silty clay, rare stone inclusions.		0.20-0.33m
803	Natural	Mid yellow brown silty clay. Very rare inclusions, occasional grey patches.		0.33+m

TRENCH 9			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.44m**	**Ground level: 5.33m**	
Co-ordinates: E 472513.88 N 099611.02 and E 472513.53 N 099581.69				
Context	**Description**			**Depth (m)**
901	Topsoil	Mid grey brown silty loam, sparse sub rounded and sub angular stones (<0.03cm), grass roots.		0.00-0.13m
902	Subsoil	Mid grey brown silty clay, rare sub rounded stone inclusions (<0.03m).		0.13-0.33m
903	Natural	Mid yellow brown silty clay. Very rare inclusions.		0.33+m

TRENCH 10			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.49m**	**Ground level: 5.08m**	
Co-ordinates: E 472510.67 N 099557.94 and E 472535.25 N 099557.82				
Context	**Description**			**Depth (m)**
1001	Topsoil	Mid grey brown silty loam, rare inclusions, grass roots.		0.00-0.18m
1002	Subsoil	Mid grey brown silty clay, rare stone inclusions.		0.18-0.26m
1003	Natural	Mid yellow brown silty clay, no inclusions.		0.26+m

TRENCH 11			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.54m**	**Ground level: 5.02m**	
Co-ordinates: E 472553.81 N 099572.41 and E 472553.49 N 099544.28				
Context	**Description**			**Depth (m)**
1101	Topsoil	Mid grey brown silty loam, sparse inclusions, grass roots.		0.00-0.20m
1102	Subsoil	Mid grey brown silty clay, sparse stone inclusions.		0.20-0.34m
1103	Natural	Mid yellow brown silty clay, no inclusions, occasional grey patch.		0.34+m
1104	**Cut**	**Cut of a linear ditch on an east to west alignment measuring 2.10m in length by 0.50m wide and located close to the northern end of trench. Unexcavated due to flooding.**		**-**
1105	Fill	Secondary fill of ditch **1104**. Light blue grey with yellow hue silty clay. Very rare small stone inclusions (<0.02m)		-

TRENCH 12			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.48m**	**Ground level: 4.87m**	
Co-ordinates: E 472566.62 N 099559.33 and E 472597.47 N 099559.02				
Context	**Description**			**Depth (m)**
1201	Topsoil	Mid grey brown sandy loam, sparse coarse gravel, sub-rounded (<0.06m)		0.00-0.18m
1202	Subsoil	Mid grey brown sandy loam, sparse med gravel, sub-rounded (<0.02m)		0.18-0.33m
1203	Natural	Mid yellow brown sandy clay, moderate fine gravel (<0.06m)		0.33+m
1204	**Cut**	**Cut of a linear ditch on a north-west to south-east alignment measuring 3.50m in length by 1.10m wide and located close to the western end of the trench. Unexcavated due to flooding.**		**-**
1205	Fill	Secondary of possible ditch **1204**. Light brownish grey sand clay containing no coarse components.		-

TRENCH 13			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.65m**	**Ground level: 4.79m**	
Co-ordinates: E 472573.63 N 099539.73 and E 472593.84 N 099524.29				
Context	**Description**			**Depth (m)**
1301	Topsoil	Mid grey brown silty loam, rare inclusions, grass roots, metal debris.		0.00-0.18m
1302	Subsoil	Mid grey brown silty clay, no inclusions.		0.18-0.26m
1303	Natural	Mid yellow brown silty clay with occasional grey patches, rare charcoal inclusions, abundant angular and sub-rounded stones (<0.08m).		0.26+m

TRENCH 14			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.54m**	**Ground level: 4.58m**	
Co-ordinates: E 472611.12 N 099497.70 and E 472631.49 N 099495.78				
Context	**Description**			**Depth (m)**
1401	Topsoil	Mid grey brown silty loam, sparse inclusions of sub angular and sub rounded stones (<0.05m) and grass roots.		0.00-0.18m
1402	Subsoil	Mid grey brown silty clay, rare stone inclusions.		0.18-0.38m
1403	Natural	Mid grey yellow brown with abundant inclusions (<0.1m) of sub angular and sub rounded stones.		0.26+m

TRENCH 15			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.44m**	**Ground level: 4.95m**	
Co-ordinates: E 472569.21 N 099504.23 and E 472569.21 N 099475.01				
Context	**Description**			**Depth (m)**
1501	Topsoil	Mid grey brown sandy loam, sparse medium gravel, sub-rounded (<0.02m)		0.00-0.21m
1502	Subsoil	Mid grey brown and mid grey brown sandy clay loam, rare medium gravel, subrounded (<0.02m).		0.21-0.39m
1503	Natural	Natural mid yellow brown and mid grey brown sandy clay, abundant coarse gravel, subangular (<0.06m)		0.39+m

TRENCH 16			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.48m**	**Ground level: 4.95m**	
Co-ordinates: E 472531.43 N 099518.65 and E 472561.56 N 099518.06				
Context	**Description**			**Depth (m)**
1601	Topsoil	Mid grey brown silty clay loam, loose. Rare stone inclusions, grass roots.		0.00-0.10m
1602	Subsoil	Dark brown grey silty clay, loose. Very rare inclusions.		0.10-0.33m
1603	Natural	Mid to dark yellow brown silty clay with abundant gravel.		0.33+m
1604	**Cut**	**North-South oriented ditch, probably post medieval field boundary. Recorded as 2.10m in length by 0.65m wide and 0.30m deep. Has moderately sloped, concave sides which run into a concave base. Same feature as 1704 and 2404.**		**0.30m deep**
1605	Fill	Secondary fill of ditch **1604**. Topsoil derived dark brown grey with blue hue silty loam. No inclusions, root bioturbation.		0.24m thick
1606	Fill	Secondary fill of ditch **1604**. Mid brown grey silty loam with rare gravel inclusions (<0.02m) and root bioturbation. Contained glass bottle fragments and parts of brick.		0.07m thick

TRENCH 17			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.47m**	**Ground level: 5.12m**	
Co-ordinates: E 472526.70 N 099487.65 and E 472555.77 N 099478.53				
Context	**Description**			**Depth (m)**
1701	Topsoil	Mid grey brown silty clay, sparse inclusions, grass roots.		0.00-0.22m
1702	Subsoil	Mid grey brown silty clay, very rare inclusions.		0.22-0.40m
1703	Natural	Mid red yellow brown silty clay, very rare inclusions with occasional grey patches.		0.40+m
1704	**Cut**	**North-South oriented ditch, probably post medieval field boundary which measures 2.10m in length by 0.77m wide. Unexcavated due to flooding. Same as 1604 and 2404.**		**-**
1705	Fill	Secondary of ditch **1704**. Topsoil derived dark brown grey with blue hue silty loam. No inclusions, root bioturbation.		-

TRENCH 18			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.42m**	**Ground level: 5.22m**	
Co-ordinates: E 472511.96 N 099515.45 and E 472511.41 N 099485.31				
Context	**Description**			**Depth (m)**
1801	Topsoil	Mid grey brown silty clay, rare inclusions, grass roots.		0.00-0.12m
1802	Subsoil	Mid grey brown silty clay, rare inclusions.		0.12-0.32m
1803	Natural	Mid yellow brown silty clay, rare inclusions with gravely grey patches.		0.32+m
1804	**Cut**	**Cut of irregular shaped tree throw measuring 0.85m in length by 0.83m in diameter and 0.35m deep. Has irregular shaped sides which run into an irregular base.**		**0.35m deep**
1805	Fill	Bioturbation fill of tree throw **1804**. Derived from root upcast and subsequent deposition.		0.35m thick

TRENCH 19			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.55m**	**Ground level: 5.38m**	
Co-ordinates: E 472489.25 N 099496.81 and E 472489.15 N 099468.18				
Context	**Description**			**Depth (m)**
1901	Topsoil	Light grey brown silty loam with occasional to moderate sub-rounded flint gravels (<0.07m). Thin darker turf-line with notable bioturbation in top 0.1m.		0.00-0.32m
1902	Subsoil	Mid yellowish grey silty clay moderately compact with clear horizon to topsoil and defuse horizon to natural. Occasional sub rounded flint gravel/pebbles (<0.09m).		0.32-0.41m
1903	Natural	Dark brownish yellow (orange) silty clay with rare lenses of small gravel inclusions and rare lenses od light grey silt.		0.41+m
1904	**Cut**	**Cut of small shallow gully on a northwest to southeast alignment, probably prehistoric, but no dating. Recorded as 8.60m in length by 0.11m deep and 0.36m wide with moderately sloped straight to concave sides and concave base.**		**0.11m deep**
1905	Fill	Primary fill of small gully **1904**. Light blue grey silty clay with rare small sub rounded pebbles and gravels (<0.09m). Slightly more stone inclusions towards base of feature. Fairly homogenous with some iron staining towards base.		0.11m thick

TRENCH 20			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.46m**	**Ground level: 5.50m**	
Co-ordinates: E 472462.20 N 099513.86 and E 472446.46 N 099488.67				
Context	**Description**			**Depth (m)**
2001	Topsoil	Mid grey brown sandy loam, sparse coarse gravel, sub-rounded (<0.06m)		0.00-0.14m
2002	Subsoil	Mid grey brown sandy clay loam, rare medium gravel, sub-rounded (<0.02m)		0.14-0.35m
2003	Natural	Mid yellow brown sandy clay, rare fine gravel (<0.06m)		0.35+m
2004	**Cut**	**Cut of a linear ditch on an east to west alignment measuring 2.10m in length by 0.88m wide and 0.27m deep. Has moderately sloped, concave sides which run into a concave base.**		**0.27m deep**
2005	Fill	Secondary fill of ditch **2004**. Light grey brown sandy clay with rare medium gravel, sub-angular		0.27m thick

TRENCH 21			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.52m**	**Ground level: 5.70m**	
Co-ordinates: E 472449.46 N 099463.62 and E 472450.77 N 099437.52				
Context	**Description**			**Depth (m)**
2101	Topsoil	Mid grey brown silty clay, sparse inclusions, grass roots.		0.00-0.20m
2102	Subsoil	Mid grey brown silty clay, rare stone inclusions.		0.20-0.38m
2103	Natural	Mid red yellow brown silty clay with rare stone inclusions and occasional grey patches.		0.38+m

TRENCH 22			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.47m**	**Ground level: 5.44m**	
Co-ordinates: E 472474.62 N 099485.61 and E 472504.47 N 099458.57				
Context	**Description**			**Depth (m)**
2201	Topsoil	Mid grey brown sandy loam with rare coarse, sub-rounded gravel (<0.06m)		0.00-0.19m
2202	Subsoil	Mid grey brown sandy clay loam with rare medium, sub-rounded gravel (<0.02m)		0.19-0.44m
2203	Natural	Mid yellow brown sandy clay with rare fine gravel (<0.06m)		0.44+m

TRENCH 23			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.52m**	**Ground level: 5.30m**	
Co-ordinates: E 472530.47 N 099476.21 and E 472530.83 N 099455.74				
Context	**Description**			**Depth (m)**
2301	Topsoil	Mid grey brown silty clay, sparse gravel inclusions, grass roots.		0.00-0.17m
2302	Subsoil	Mid grey brown silty clay, rare gravel inclusions.		0.17-0.42m
2303	Natural	Mid yellow brown silty clay, sparse gravel inclusions.		0.42+m
2304	**Cut**	**Cut of a sub-circular pit containing a cremation-related deposit (possible burial). Recorded as 0.47m in length by 0.40m in diameter and 0.15m deep.**		**-**
2305	Fill	Deliberate backfill of cut **2304**. Dark grey brown sandy clay, with occasional cremated bone, common fuel ash/charcoal and fired clay. Cremation-related deposit, possible unurned burial with redeposited pyre debris or redeposited pyre debris alone. 100% sampled.		-

TRENCH 24			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.49m**	**Ground level: 5.08m**	
Co-ordinates: E 472551.71 N 099460.38 and E 472582.44 N 099460.31				
Context	**Description**			**Depth (m)**
2401	Topsoil	Mid grey brown sandy loam with rare coarse, sub-rounded gravel (<0.06m).		0.00-0.18m
2402	Subsoil	Mid grey brown sandy clay loam, rare fine gravel, sub-rounded (<0.02m).		0.18-0.38m
2403	Natural	Mid yellow brown sandy clay with abundant, coarse, sub-angular gravel (<0.06m).		0.38+m
2404	**Cut**	**North-South oriented ditch, probably post medieval field boundary which measures 2.10m in length by 0.78m wide. Unexcavated due to flooding. Same as 1604 and 1704.**		**-**
2405	Fill	Secondary fill of ditch **2404**. Topsoil derived dark brown grey with blue hue silty loam. No inclusions, root bioturbation.		-

TRENCH 25			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.48m**	**Ground level: 4.44m**	
Co-ordinates: E 472619.98 N 099474.55 and E 472618.90 N 099445.68				
Context	**Description**			**Depth (m)**
2501	Topsoil	Mid grey brown silty clay, sparse gravel inclusions.		0.00-0.16m
2502	Subsoil	Mid grey brown silty clay, rare inclusions.		0.16-0.33m
2503	Natural	Mid yellow brown silty clay, occasional grey patches, sparse gravel inclusions.		0.33+m
2504	**Cut**	**Cut of a linear ditch on a north-west to south-east alignment recorded as 2.60m in length by 1.50m wide. Unexcavated due to flooding.**		**-**
2505	Fill	Secondary fill of ditch **2504**. Mid brown grey with blue hue silty clay, with rare stone inclusions (<0.03m).		-
2506	**Cut**	**Cut of a linear ditch on an east to west alignment measuring 2.10m in length by 0.25m wide. Unexcavated due to flooding.**		**-**
2507	Fill	Secondary fill of ditch **2506**. Mid brown grey with blue hue silty clay. Rare gravel inclusions (<0.02m).		-

TRENCH 26			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.52m**	**Ground level: 4.50m**	
Co-ordinates: E 472626.04 N 099430.35 and E 472609.52 N 099410.57				
Context	**Description**			**Depth (m)**
2601	Topsoil	Mid grey brown silty clay with sparse sub angular and sub rounded gravel (<0.03m) and grass roots.		0.00-0.10m
2602	Subsoil	Mid grey brown silty clay, rare inclusions (<0.05m) of sub rounded and sub angular gravel.		0.10-0.34m
2603	Natural	Mid reddish yellow brown silty clay, rare inclusions of sub angular and sub angular stones (<0.05m). Occasional grey patches.		0.34+m

TRENCH 27			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.50m**	**Ground level: 5.02m**	
Co-ordinates: E 472568.34 N 099434.87 and E 472568.80 N 099408.18				
Context	**Description**			**Depth (m)**
2701	Topsoil	Mid grey brown silty clay with sparse inclusions of sub angular and sub rounded gravel and grass roots.		0.00-0.24m
2702	Subsoil	Mid grey brown silty clay loam, rare medium gravel, sub-rounded. Horizon with natural diffused.		0.24-0.34m
2703	Natural	Mid yellow brown silty clay, rare inclusions with occasional grey patches.		0.34+m

TRENCH 28			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.55m**	**Ground level: 5.49m**	
Co-ordinates: E 472506.22 N 099422.58 and E 472535.78 N 099422.473				
Context	**Description**			**Depth (m)**
2801	Topsoil	Mid grey brown silty loam with sparse inclusions of sub angular and sub rounded gravel and grass roots.		0.00-0.20m
2802	Subsoil	Mid grey brown silty clay with sparse inclusions. Horizon with natural diffused.		0.20-0.39m
2803	Natural	Mid red yellow brown silty clay, rare inclusions with occasional grey gravely patches.		0.39+m

TRENCH 29			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.51m**	**Ground level: 5.52m**	
Co-ordinates: E 472488.67 N 099436.76 and E 472488.42 N 099407.25				
Context	**Description**			**Depth (m)**
2901	Topsoil	Mid grey brown silty loam with rare inclusions of sub angular and sub rounded gravel (<0.03m) and grass roots.		0.00-0.24m
2902	Subsoil	Mid grey brown silty clay with rare inclusions.		0.24-0.36m
2903	Natural	Mid orange brown silty clay with rare stone inclusions (<0.08m) and occasional iron nodules. Occasional grey patches.		0.36+m

TRENCH 30			**Type: Evaluation**	**Machine excavated**
Dimensions: 30.00m x 2.10m		**Max. depth: 0.55m**	**Ground level: 5.83m**	
Co-ordinates: E 472441.55 N 099420.56 and E 472469.95 N 099421.59				
Context	**Description**			**Depth (m)**
3001	Topsoil	Mid grey brown sandy loam with sparse coarse, sub-rounded gravel (<0.06m)		0.00-0.16m
3002	Subsoil	Mid grey brown sandy clay with rare medium, sub-rounded gravel (<0.03m)		0.16-0.39m
3003	Natural	Mid brown yellow sandy clay with sparse fine gravel (<0.06m).		0.39+m
3004	**Cut**	**Circular pit or post hole with steep concave sides and a concave base. Partially exposed within the trench and measures 0.22m in length by 0.45m in diameter and 0.29m deep.**		**0.29m deep**
3005	**Cut**	**Circular pit or post hole with steep concave sides and a concave base. Measures 0.30m in length by 0.23m in diameter and 0.09m deep.**		**0.09m deep**
3006	Fill	Secondary fill of pit **3005**. Light brown grey sandy clay with rare medium, sub-rounded gravel (<0.02m). Contained pottery.		0.09m thick
3007	Fill	Secondary fill of pit **3004**. Light grey brown sandy clay with rare medium sub-rounded gravel (<0.02m). Contained sparse charcoal inclusions and pottery.		0.29m thick

TRENCH 31			**Type: Evaluation**	**Machine excavated**
Dimensions: 10.00m x 2.10m		**Max. depth: 0.50m**	**Ground level: 5.54m**	
Co-ordinates: E 472565.67 N 099473.38 and E 472557.97 N 099565.10				
Context	**Description**			**Depth (m)**
3101	Topsoil	Dark grey brown silty clay loam with thin turf-line and notable darker humic horizon for top 10cm.		0.00-0.30m
3102	Subsoil	Light yellowish grey sandy clay with moderate sub rounded gravel (<0.08m). Diffuse horizon into underlying natural.		0.30-0.45m
3103	Natural	Mid yellow brown (orange) sandy clay with lenses of common sub angular flint gravel (<0.09m).		0.30+m

TRENCH 32			Type: Evaluation	Machine excavated
Dimensions: 10.00m x 2.10m		Max. depth: 0.64m	Ground level: 4.59m	
Co-ordinates: E 472569.62 N 099549.52 and E 472581.33 N 099547.71				
Context	**Description**			**Depth (m)**
3201	Topsoil	Dark grey brown silty clay loam with thin turf-line and notable darker humic horizon for top 10cm. Common rooting, worm nests and iron stains within the topsoil.		0.00-0.33m
3202	Subsoil	Mid olive brown silty clay. Area noted in section possible subsoil or alluvial with oyster shells within layer running towards South.		0.33-0.53m
3203	Natural	Mid yellowish brown sandy clay with areas of common gravels, sub rounded (<0.08m). Alluvial sands and gravels.		0.53+m

10.2 Appendix 2: Finds and environmental tables

Table 2: All finds by context (number/weight in grammes)

Context	Bone	Glass	Pottery	Fired Clay	Burnt Flint
1606		4/284			
2305	43			180/642	20/125
3006			1/26		
3007			1/9		
TOTALS	**43**	**4/284**	**2/35**		

Table 3: Assessment of the charred plant remains and charcoal

Samples				Flot							
Feature	Context	Sample	Vol. Ltrs	Flot (ml)	% roots	Charred Plant Remains				Charcoal >4/2mm	Other
						Grain	Chaff	Other	Comments		
Trench 23 Prehistoric Cremation Related Deposit											
2304	2305	1	14	250	35	C	-	-	Indet. grain frag, charcoal includes mature wood	30/35 ml	Burnt bone

10.3 Appendix 3: Oasis record form

Land north of Goldring Close, Mengham, Hayling Island, Hampshire - Wessex Archaeology

OASIS ID - wessexar1-180790

Versions

View	Version	Completed by	Email	Date
View 1	1	S Farr	s.farr@wessexarch.co.uk	5 June 2014

Completed sections in current version

Details	Location	Creators	Archive	Publications
Yes	Yes	Yes	Yes	1/1

Validated sections in current version

Details	Location	Creators	Archive	Publications

No	No	No	No	0/1
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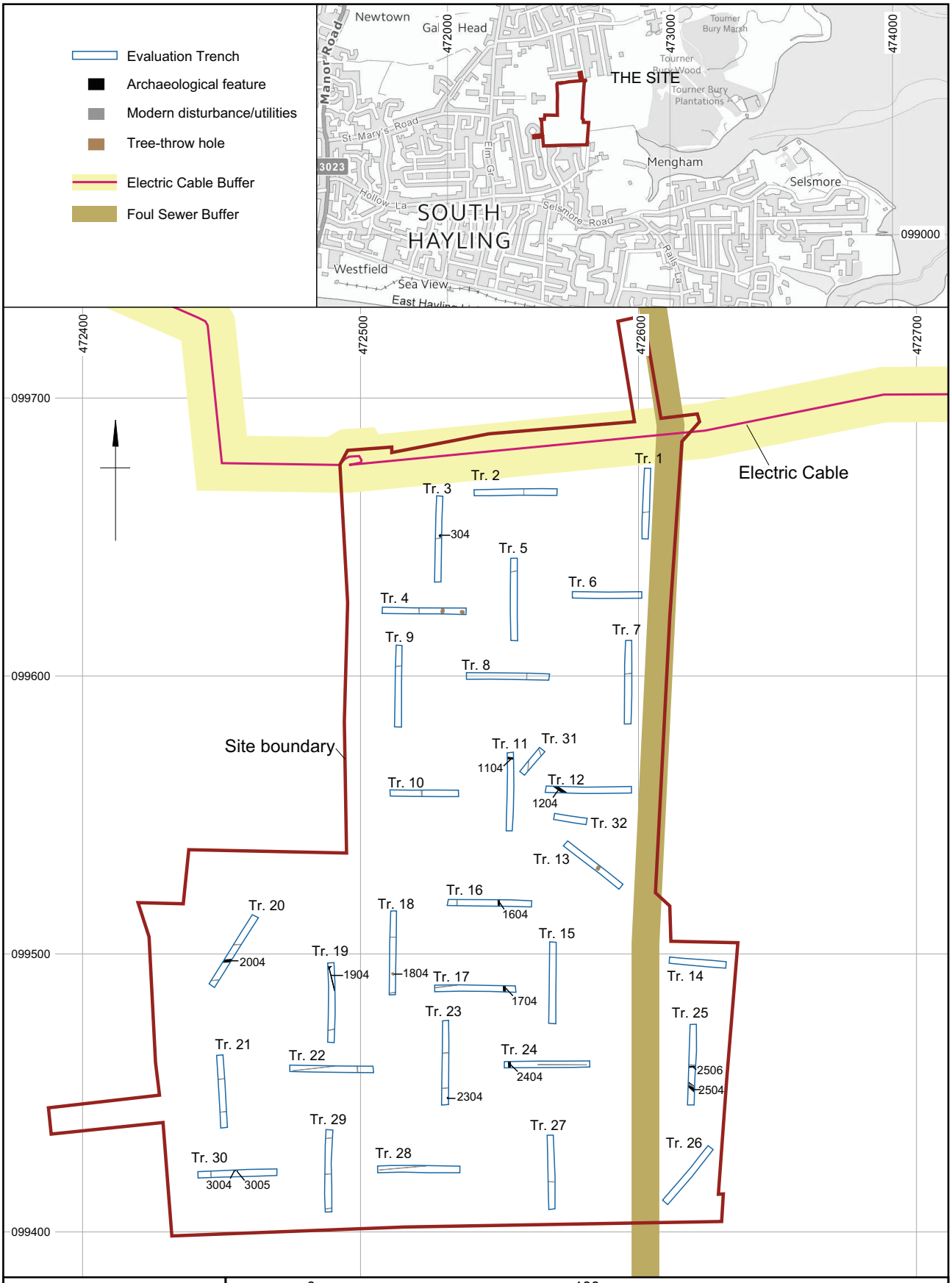

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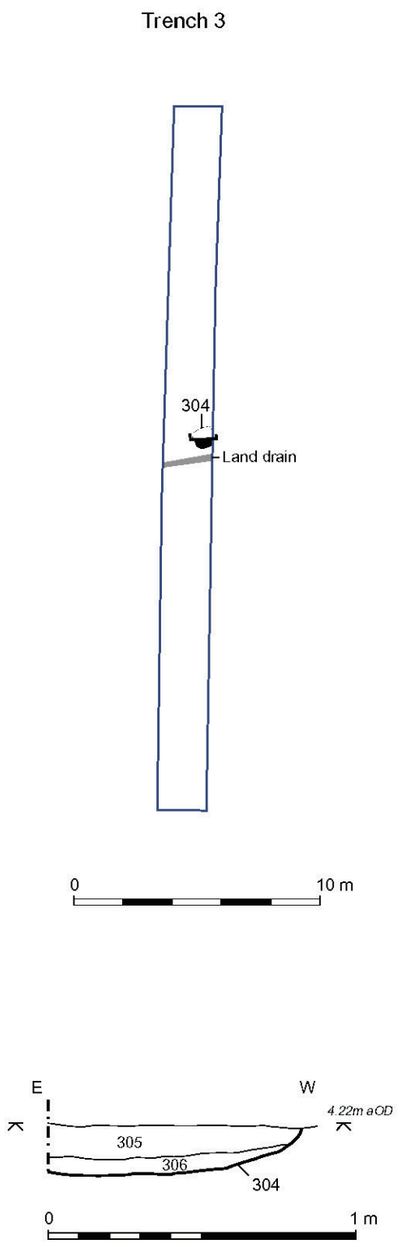
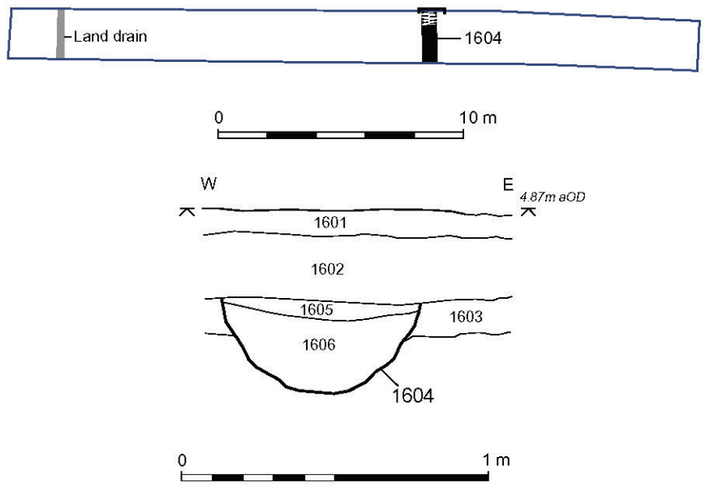
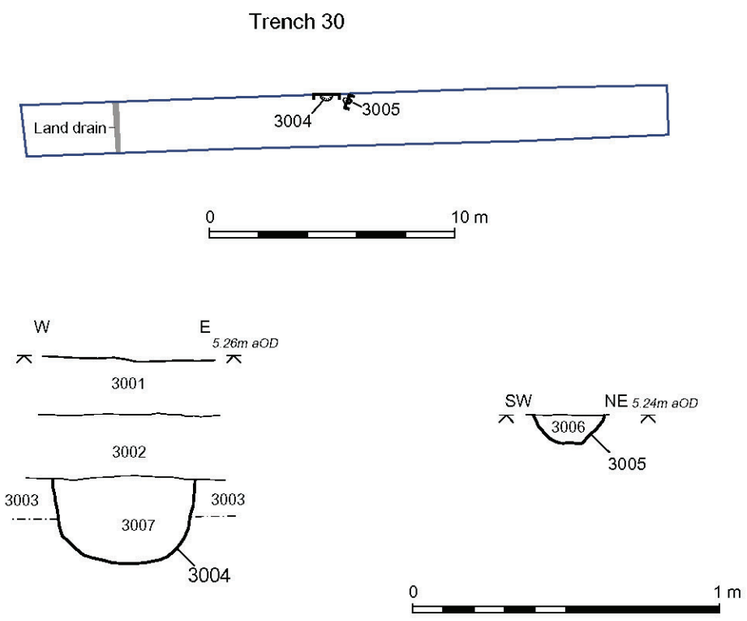
Site and trench location plan

Figure 1







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Selected plans and sections

Figure 2

Plate 1: View of Trench 4 from the west

Plate 2: East facing representative section of Trench 21

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Plate 3: West facing section of pit 304

Plate 4: South-west facing section of gully 1904

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Plate 5: East facing section of ditch 2004

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