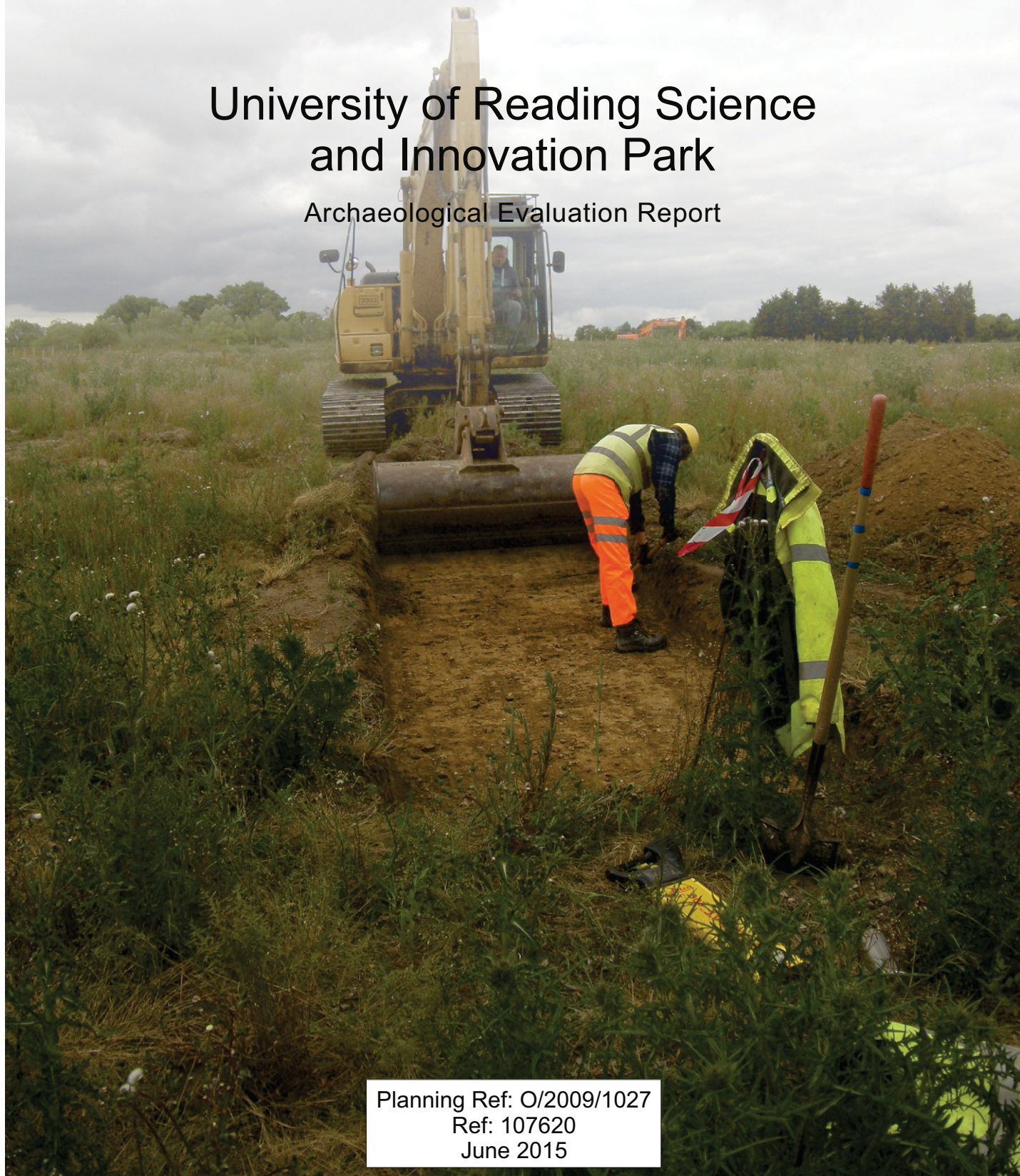




making sense of heritage

University of Reading Science and Innovation Park

Archaeological Evaluation Report



Planning Ref: O/2009/1027
Ref: 107620
June 2015



**University of Reading Science
and Innovation Park**

Archaeological Evaluation Report

Prepared for:

Parsons Brinckerhoff
Manchester Technology Centre
Oxford Road
Manchester
M1 7ED

On behalf of:

University of Reading
Whiteknights
PO Box 217
Reading
RG6 6AH

Prepared by:

Wessex Archaeology
Portway House
Old Sarum Park
Salisbury
Wiltshire
SP4 6EB

www.wessexarch.co.uk

June 2015

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Archaeological Evaluation Report

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University of Reading Science and Innovation Park

Archaeological Evaluation Report

Summary

Wessex Archaeology was commissioned by Parsons Brinckerhoff on behalf of the University of Reading to undertake an archaeological evaluation on land off Cutbush Lane, north-east of the village of Shinfield, Berkshire, centred on National Grid Reference (NGR) 473700 169000.

The Site has been proposed for the construction of the new University of Reading Science and Innovation Park, including ancillary facilities, landscaped gardens and parking. The overarching development plan is to be phased over a 20–25 year period and will ultimately encompass approximately 20ha between Cutbush Lane and the M4, and will be serviced by and intersect with the Shinfield Eastern Relief Road.

Berkshire Archaeology acting as archaeological advisor to Wokingham Borough Council requested that a programme of archaeological evaluation be undertaken in order to supply sufficient information regarding potential buried archaeological remains.

A total of 22 trenches were excavated within the footprint of the Phase One area (5.8ha) of the proposed development. Earlier geophysical survey had indicated the possible presence of pits and ditches, but no archaeological features or deposits were revealed other than several post-medieval or modern land drains. Most of the geophysical anomalies are thought likely to reflect variations in the natural geology.

The evaluation took place between the 8th and 12th June 2015.



University of Reading Science and Innovation Park

Archaeological Evaluation Report

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The fieldwork was undertaken by Steve Thompson, Mark Bagwell, Tom Blencowe, Talia Hunt and Bianca San Martin. This report was written and compiled by Steve Thompson and edited by Ruth Panes and Phil Andrews, with report illustrations by Karen Nichols and Nancy Dixon.

The project was managed on behalf of Wessex Archaeology by Andy Crockett.

University of Reading Science and Innovation Park

Archaeological Evaluation Report

1 INTRODUCTION

1.1 Project background

- 1.1.1 Wessex Archaeology (WA) was commissioned by Parsons Brinckerhoff on behalf of the University of Reading (hereafter the 'Client') to undertake an archaeological evaluation on land off Cutbush Lane, north-east of the village of Shinfield, Berkshire, centred on National Grid Reference (NGR) 473700 169000 (hereafter the 'Site') (**Figure 1**).
- 1.1.2 The Site has been proposed for the construction of a new research and development space known as the University of Reading Science and Innovation Park. The initial phase of the development (Phase One) includes ancillary facilities, landscaped gardens and parking. The overarching development plan is to be phased over a 20–25 year period and will ultimately encompass approximately 20ha between Cutbush Lane and the M4, and will be serviced by and intersect with the Shinfield Eastern Relief Road (planning ref: F/2010/1428).
- 1.1.3 The Phase One area currently subject to archaeological evaluation (and earlier geophysical survey) is approximately 5.8ha in size (**Figure 1**). It lies within the proposed footprint of three multi-tenanted office and laboratory buildings, including a Gateway building. It is situated in the fields north of and between Cutbush House and Lane End Farm.
- 1.1.4 Berkshire Archaeology acting as archaeological advisor to Wokingham Borough Council requested that a programme of archaeological evaluation be undertaken in order to supply sufficient information regarding potential buried archaeological remains.
- 1.1.5 A Written Scheme of Investigation (WSI) (WA 2015a) setting out the methodologies and standards that were to be employed by WA in undertaking the archaeological evaluation was submitted to, and approved by, the Client and Berkshire Archaeology prior to the commencement of works.
- 1.1.6 This document presents the results of the archaeological field evaluation which took place between the 8th and 12th June 2015.

1.2 Site location, current land use, topography and geology

- 1.2.1 The Site is located approximately 500m north-east of the village of Shinfield on the southern edge of Reading (**Figure 1**). The Site consists of three arable fields which lie between the M4 motorway to the north-west and Cutbush Lane to the south-east. Further fields lie to the north-east while a reservoir and fields border the Site to the south-west.
- 1.2.2 The ground within the Site slopes down to the south-east, from the M4 towards the floodplain of the River Lodden. The western end of the Site lies at approximately 65m above Ordnance Datum (aOD) and the east end at approximately 46m aOD.

- 1.2.3 The underlying geology of the Site is London Clay Formation Clay, Silt and Sand, with overlying River Terrace Sand and Gravel deposits to the north-west and south-east of the Site (British Geological Survey).

2 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

2.1 Introduction

- 2.1.1 An archaeological desk-based assessment (DBA) of the Site was undertaken by CgMs Consulting (2008), the results of which are outlined below.

2.2 Desk-based assessment

- 2.2.1 The DBA indicated that there are several archaeological sites within the 1km study area surrounding the Site. The main features of archaeological interest noted were a possible Roman road, three historic roads and an L-shaped moated feature.
- 2.2.2 The Roman road is part of the postulated course of the route between Silchester and St. Albans. However, there are a various theories as to where the road lay in this section of the route, in the vicinity of Reading, and the possibility of the road passing through the Site has been considered 'highly speculative' (CgMs 2008).
- 2.2.3 The three historic roads are Cutbush Lane, Pearman's Lane and Hollow Lane. Cutbush Lane and Hollow Lane now form part of modern highways and Pearman's Lane lies immediately to the north-east of the Site.
- 2.2.4 The L-shaped moated feature lies c.30m to the east of Trench 15 within the grounds of Cutbush House (**Figure 1**). It is recorded on the Tithe Map of 1836 and although it may be the remains of a moat, it could be a fishpond or an ornamental feature. It has been described as a 'site of high archaeological potential' (Barton Willmore 2008).
- 2.2.5 There are seven listed buildings within the 1km study area but none within the Site boundary. The Church of St Mary the Virgin is a Grade I listed building located 1km south-west of the Site. The church has origins in the 12th century, with rebuilding in the 14th century and further alterations and extensions in the 15th and 17th centuries.
- 2.2.6 The majority of listed buildings within the 1km study area comprise Grade II farmhouses and associated buildings, all with later extensions and additions. These are Church Farmhouse (15th century), Oldhouse Farmhouse (17th century), Lane End Farmhouse (16th century) and Cutbush Farmhouse (16th century). Cutbush Farmhouse is located on the boundary of the Site.
- 2.2.7 Other listed buildings include Milton Sandford Restaurant, a gothic revival house (now a restaurant) built around 1840, and the Lodge to the Meteorological Office built in the late 18th century.
- 2.2.8 A watching brief was conducted nearby in 2003 by Thames Valley Archaeological Services (2003). No archaeological features were observed.
- 2.2.9 The map regression exercise indicated that the area covered by the Site has been in use as arable fields from at least the 19th century to present. However individual boundaries have shifted as Shinfield and the surrounding farmsteads developed.

2.3 Geophysical survey

Northamptonshire Archaeology 2008

- 2.3.1 The results of a detailed gradiometer survey carried out along the southern edge of the Site identified no potential archaeological anomalies (Northamptonshire Archaeology 2008). However, the geophysical survey results did conclude that the *'poor correlation of the detected anomalies with the previously compiled cropmarks is notable'* and that this is most likely attributable to the underlying London Clay geological deposits on the Site.

Wessex Archaeology 2015

- 2.3.2 A detailed gradiometer survey of 5.6ha within the Phase 1 development area identified anomalies of archaeological interest interpreted as 'pit-like' and 'ditch-like' features, with anomalies in the western field thought to possibly represent small enclosures (WA 2015b). The eastern field presented little evidence for further archaeological features except for what was interpreted as a 3m wide ditch, probably representing a former field boundary. Evidence of ploughing trends, areas of increased magnetic response and superficial geology were also identified.

3 AIMS AND OBJECTIVES

3.1 Introduction

- 3.1.1 The aims and objectives of the archaeological field evaluation were outlined within the submitted and approved WSI (WA 2015a), which conformed to current best practice and to the guidance outlined in *Management of Research Projects in the Historic Environment* (MoRPHE, English Heritage 2006) and the Chartered Institute for Archaeologists' *Standards and Guidance for an Archaeological Evaluation* (CIfA 2014a).

3.2 General

- 3.2.1 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;*
- *target trenches on anomalies identified as a result of the geophysical survey in order to clarify the nature and presence/absence of underlying archaeological remains; 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.*

4 METHODOLOGY

- 4.1.1 A total of 24 machine-excavated trial trenches, each measuring 50m in length and 1.8m wide, were proposed (WA 2015a Figure 1), amounting to an approximate 4% sample of the 5.8ha Phase One development area. However, two trenches (Trenches 16 and 19) could not be excavated due to the presence of an extant crop and a water pipe.

- 4.1.2 The locations of the 22 trenches excavated (Trenches 1–15 and 17, 18, 20–24) was in general accordance with the proposed positions outlined in the WSI (WA 2015a). However, a number of trenches were moved slightly from their original positions and/or shortened to avoid unforeseen on-site constraints
- 4.1.3 The trial trenches were excavated using a 360° tracked excavator equipped with a toothless bucket under constant supervision by WA. Machine excavation proceeded in spits to a depth at which the top of archaeological levels or the top of natural deposits were exposed, whichever was the higher. Where appropriate, hand cleaning of the trenches was undertaken to establish the nature of the deposits, and all features were investigated.
- 4.1.4 Following completion of the investigations to the satisfaction of the Archaeological Officer at Berkshire Archaeology, the trenches were backfilled replacing the excavated material in the same order in which it was excavated and the surface left level on completion. No other reinstatement or surface treatment was undertaken.

4.2 Recording

- 4.2.1 All exposed archaeological deposits were recorded using WA's *pro forma* recording system.
- 4.2.2 A complete drawn record of archaeological features and deposits was compiled including both plans and sections, drawn to appropriate scales (generally 1:20 for plans, 1:10 for sections), and with reference to the Ordnance Survey National Grid. The Ordnance Datum (OD) height of all principal features and levels were calculated and the plans/sections annotated with the OD heights. A representative section of the overlying deposits recorded within each of the trenches was recorded and drawn.
- 4.2.3 A photographic record was maintained during the evaluation using digital cameras equipped with an image sensor of not less than 10 megapixels. Digital images will be subject to managed quality control and curation processes which will embed appropriate metadata within the image and ensure long term accessibility of the image set.

5 ARCHAEOLOGICAL RESULTS

5.1 Introduction

- 5.1.1 The following sections provide a summary of the information held in the Site archive. Details of individually excavated contexts and features are retained in the Site archive and a tabulated version of these can be found in **Appendix 1**.
- 5.1.2 The following result section should be read in conjunction with the trench descriptions in **Appendix 1**.

5.2 Natural deposits and soil sequences

- 5.2.1 In Trenches 1–15 the depth of overlying deposits ranged from 0.20–0.40m of plough soil, which sealed the natural basal geology comprising predominantly compact flint gravels in Trenches 3, 4, 7 and 9–15, and stiff, compact clay with patches of gravels and iron stone in Trenches 1, 2, 5, 6 and 8.
- 5.2.2 In Trenches 17, 18 and 20–24 the depth of the overlying deposits ranged from 0.23–0.42m of plough soil, which sealed natural basal geology comprising compact clay with moderate flint gravels.

5.3 Trenches 1–15

5.3.1 Trenches 1–15 were targeted upon a number of geophysical anomalies interpreted as ‘pit-like’ and ‘ditch-like’ features. On excavation it was clear that there was no archaeology of significance within the trenches (**Plates 1–4**). All identified features and deposits related to post-medieval/modern agriculture and included ‘French’ drains, two in Trench 14 and three in Trench 15, filled with broken bricks and/or flint (**Plate 4**). A shallow scoop at least 16m long and up to 0.55m deep in Trench 7 also contained fragments of post-medieval brick, perhaps the infill of a natural depression. Areas of increased ferrous response recorded in the geophysics corresponded with patches of gravel and iron stone within the natural.

5.4 Trenches 17, 18 and 20–24

5.4.1 Trenches 17, 18, 20–24 were targeted upon similar geophysical anomalies as Trenches 1–15, but no archaeological features were observed (**Plates 5–7**). Single ‘French’ drains were present in Trenches 17 and 24. Trenches 21 and 23 were positioned to investigate an anomaly approximately 165m long by 3m wide and interpreted as a possible former field boundary ditch. However, excavation revealed a 0.25m wide trench containing a ceramic drain, backfilled with cinders, coke and slag (**Plate 7**). This material was responsible for the strong result in the geophysics – giving the impression that the feature was much wider than it actually was.

6 FINDS

6.1.1 The only finds recorded during the programme of works were fragments of brick and a few pieces of peg tile from the ‘French drains’, and none has been retained.

7 ENVIRONMENTAL

7.1.1 No deposits suitable for environmental sampling were recorded on the Site.

8 CONCLUSIONS

8.1.1 The programme of archaeological trial trenching conducted on the Site of the proposed University of Reading Science and Innovation Park was successful in its stated aims, and demonstrated an absence of significant buried archaeological remains within the Site that might be impacted by development.

8.1.2 Despite the Site’s proximity to the L-shaped moated feature, no archaeological finds or features (other than post-medieval or modern drains) were observed.

9 STORAGE AND CURATION

9.1 Museum

9.1.1 The county museum for this project is Reading Museum; however this museum is no longer accepting archives from archaeological investigations outside of the Borough of Reading.

9.1.2 In the absence of a recipient museum, the archive will therefore be retained at Wessex Archaeology Head Office, Portway House, Old Sarum Park, Salisbury, Wiltshire, SP4 6EB, for a period of three months beyond the completion of all works associated with this project. Thereafter, the archive will be returned to the landowner for appropriate storage.

- 9.1.3 The complete site archive, which will include paper records, photographic records, graphics, and digital data, will be prepared following the standard conditions for the acceptance of excavated archaeological material by the local museum, and in general following nationally recommended guidelines (SMA 1995; ClfA 2014b; Brown 2011; ADS 2013). Details of the archaeological evaluation will also be entered into the online “OASIS” database maintained by the Archaeological Data Service (ADS).
- 9.1.4 All archive elements will be marked with the accession code and site code **107620**, and a full index will be prepared. The physical archive comprises the following:
- 1 file of paper records
- 9.1.5 The archive of all records and finds will be consistent with the principles of Management of *Research Projects in the Historic Environment* (MoRPHE) (English Heritage 2006).

9.2 Discard policy

- 9.2.1 WA follows the guidelines set out in *Selection, Retention and Dispersal* (Society of Museum Archaeologists 1993), which allows for the discard of selected artefact and ecofact categories which are not considered to warrant any future analysis. Post-medieval brick and a few peg tile fragments comprised the only finds from the evaluation, and their discard has been documented in the project archive.
- 9.2.2 The discard of environmental remains and samples follows nationally recommended guidelines (SMA 1993; 1995; English Heritage 2011). However, in this case no samples were taken.

9.3 Copyright

- 9.3.1 The full copyright of the written/illustrative archive relating to the Site will be retained by Wessex Archaeology Ltd under the *Copyright, Designs and Patents Act 1988* with all rights reserved. The recipient museum, however, will be granted an exclusive licence for the use of the archive for educational purposes, including academic research, providing that such use shall be non-profit making, and conforms with the *Copyright and Related Rights regulations 2003*.

9.4 Security Copy

- 9.4.1 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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APPENDIX 1: TRENCH AND CONTEXT SUMMARIES

Bgl: Below Ground Level.

Trench 1	Dimensions:	Length:48.50m x Width:1.80m x Depth:0.40m		Ground surface level:	56.16m aOD
	Centre line Coordinates (NGR):	E 473732.9785 N 169089.8890, E 473775.9710 N 169068.0210			
Context	Category	Description			Depth (bgl)
101	Plough soil	Mid brownish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 10% moderate rounded stones (<30mm), 10% moderate sub angular to angular stones (<50mm). Distinct straight horizon with natural (102).			0.00 – 0.20m
102	Natural	Dark greyish brown clay with compact consistency. 10% moderate chalk flecks and 5% sparse rounded to sub angular stones (<10mm).			0.20 – 0.40m+
Comments: No archaeological features present.					

Trench 2	Dimensions:	Length:49.80m x Width:1.83m x Depth:0.51m		Ground surface level:	56.39m aOD
	Centre line Coordinates (NGR):	E 473743.5995 N 169067.7040, E 473787.4760 N 169044.9940			
Context	Category	Description			Depth (bgl)
201	Plough soil	Mid brownish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 10% moderate rounded stones (<30mm), 10% moderate sub angular to angular stones (<50mm). Distinct straight horizon with natural (202).			0.00 – 0.31m
202	Natural	Dark greyish brown clay with compact consistency. 10% moderate chalk flecks and 5% sparse rounded to sub angular stones (<10mm). 3% sparse patches of weathered ironstone.			0.31 – 0.51m+
Comments: No archaeological features present.					

Trench 3	Dimensions:	Length:48.50m x Width:1.85m x Depth:0.54m		Ground surface level:	57.75m aOD
	Centre line Coordinates (NGR):	E 473735.8575 N 169064.1670, E 473706.2660 N 169027.2250			
Context	Category	Description			Depth (bgl)
301	Plough soil	Mid brownish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 10% moderate rounded stones (<30mm), 10% moderate sub angular to angular stones (<50mm). Distinct straight horizon with natural (302).			0.00 – 0.40m
302	Natural	Dark greyish brown clay with compact consistency. 3% sparse chalk flecks and 20% common rounded to sub rounded flint nodules (<50mm). 3% sparse patches of weathered ironstone. On NW side there is a patch of coarse sandy, poorly sorted gravel.			0.40m – 0.54m+
Comments: No archaeological features present.					



Trench 4	Dimensions:	Length:48.60m x Width:1.80m x Depth:0.35m	Ground surface level:	58.03m aOD
	Centre line Coordinates (NGR):	E 473731.5300 N 169033.3905, E 473706.6405 N 168991.7810		
Context	Category	Description	Depth (bgl)	
401	Plough soil	Mid brownish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 5% sparse rounded stones (<50mm), 10% moderate sub angular to angular stones (<50mm). Distinct straight horizon with natural (402).	0.00 – 0.35m	
402	Natural	Dark greyish brown clay with compact consistency. 5% sparse seams of moderately well sorted sub angular to sub rounded gravel. 1% rare patches of weathered ironstone.	0.35m+	
Comments: No archaeological features present.				

Trench 5	Dimensions:	Length:49.50m x Width:1.80m x Depth:0.36m	Ground surface level:	56.55m aOD
	Centre line Coordinates (NGR):	E 473799.7870 N 169048.4535, E 473771.1835 N 169008.6230		
Context	Category	Description	Depth (bgl)	
501	Plough soil	Mid brownish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 5% sparse rounded stones (<50mm). Distinct straight horizon with natural (502).	0.00 – 0.36m	
502	Natural	Dark greyish brown clay with compact consistency. 1% rare patches of weathered ironstone, 20% common sub rounded flints (<50mm).	0.36m+	
Comments: No archaeological features present.				

Trench 6	Dimensions:	Length:45.50m x Width:1.83m x Depth:0.40m	Ground surface level:	55.99m aOD
	Centre line Coordinates (NGR):	E 473796.4560 N 169026.4370, E 473824.7845 N 169018.4175		
Context	Category	Description	Depth (bgl)	
601	Plough soil	Mid brownish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 10% moderate angular stones (<50mm) and 3% sparse sub rounded stones (<40mm). Diffuse slightly undulating horizon with natural (602).	0.00 – 0.32m	
602	Natural	Dark yellowish brown clay with 10% moderate rounded – sub rounded stones (<50mm)	0.32m – 0.42m+	
Comments: No archaeological features present. Trench slightly shorter due to power lines above.				



Trench 7	Dimensions:	Length:47.60m x Width:1.81m x Depth:0.81m	Ground surface level:	57.12m aOD
	Centre line Coordinates (NGR):	E 473783.5255 N 168985.1370, E 473829.5390 N 168975.1115		
Context	Category	Description	Depth (bgl)	
701	Plough soil	Mid brownish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 3% sparse rounded to sub rounded stones angular stones (<50mm) and 3% sparse angular stones (<40mm). Distinct straight horizon with natural (702).	0.00 – 0.27m	
702	Natural	Dark reddish brown silty clay with 1% rare patches of bluish grey. 3% sparse patches of weathered coarse ironstone, 10% moderate patches of course poorly sorted gravel (20 – 60mm).	0.27m+	
[703]	Cut	Modern feature, shallow concave sides with flat base. Recorded as 16m long this shallow depression was infilled with modern debris and seems to suggest that a probable natural hollow had been infilled	0.54m deep	
(704)	Fill	Secondary fill of [703]. Mid brownish grey clay loam, friable loose soil. 10% moderate CBM (<100mm). 10% angular stones (<40mm). Length 16.90m x width 1.81m+, depth 0.54m.	0.54m thick	
Comments: No archaeological features present.				

Trench 8	Dimensions:	Length:49.50m x Width:1.80m x Depth:0.54m	Ground surface level:	57.93m aOD
	Centre line Coordinates (NGR):	E 473736.6210 N 168992.1165, E 473780.1535 N 168969.9365		
Context	Category	Description	Depth (bgl)	
801	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 3% sparse sub rounded flints (<50mm). Diffuse straight horizon with subsoil (802).	0.00 – 0.20m	
802	Subsoil	Mid yellowish grey silty clay with 3% sparse sub rounded flints (<50mm). Distinct straight horizon with natural (803).	0.20m - 0.40m	
803	Natural	Dark brownish grey compact clay with 3% sparse weathered coarse ironstone and iron staining.	0.40m – 0.54m+	
Comments: No archaeological features present.				



Trench 9	Dimensions:	Length:48.80m x Width:1.80m x Depth:0.43m		Ground surface level:	59.92m aOD
	Centre line Coordinates (NGR):	E 473736.6340 N 168961.6225, E 473706.5320 N 168923.6915			
Context	Category	Description			Depth (bgl)
901	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 10% moderate sub angular to sub rounded flints (<50mm). Distinct straight horizon with natural (902).			0.00 – 0.33m
902	Natural	Dark brownish grey compact clay with moderately well sorted sub rounded to rounded gravel in a sandy clay matrix. 3% sparse weathered coarse ironstone and iron staining.			0.33m – 0.43m+
Comments: No archaeological features present.					

Trench 10	Dimensions:	Length:49.30m x Width:1.80m x Depth:0.28m		Ground surface level:	58.79m aOD
	Centre line Coordinates (NGR):	E 473769.1470 N 168940.2285, E 473741.4560 N 168899.8250			
Context	Category	Description			Depth (bgl)
1001	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 10% moderate sub angular to sub rounded flints (<50mm). Fairly distinct straight horizon with natural (1002).			0.00 – 0.22m
1002	Natural	Mid reddish brown clay. Alternating bands of dense gravel and ironstone in a sandy matrix and mid-brown firm clay.			0.22m – 0.28m
Comments: No archaeological features present.					

Trench 11	Dimensions:	Length:49m x Width:1.80m x Depth:0.41m		Ground surface level:	57.29m aOD
	Centre line Coordinates (NGR):	E 473778.1420 N 168928.2315, E 473825.6225 N 168935.7150			
Context	Category	Description			Depth (bgl)
1101	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. Inclusions of 10% moderate sub angular to sub rounded flints (<50mm). Distinct straight horizon with natural (1102).			0.00 – 0.29m
1102	Natural	Light yellowish brown silty sand with 20% common flint moderately well sorted gravel. 1% rare seams of mid brownish grey brown compact clay. 3% sparse ironstone throughout.			0.29m – 0.41m
Comments: No archaeological features present.					



Trench 12	Dimensions:	Length:49m x Width:1.80m x Depth:0.28m	Ground surface level:	56.53m aOD
	Centre line Coordinates (NGR):	E 473814.8730 N 168924.7600, E 473801.7545 N 168878.7970		
Context	Category	Description	Depth (bgl)	
	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 3% sparse moderately well sorted sub angular to sub rounded flints (<50mm). Distinct straight horizon with natural (1202).	0.00 - 0.28m	
	Natural	Mid reddish brown clay. Alternating bands of dense gravel and ironstone in a sandy matrix and mid-brown firm clay.	0.28m+	
Comments: No archaeological features present.				

Trench 13	Dimensions:	Length: 50m x Width:1.80m x Depth:0.34m	Ground surface level:	56.00m aOD
	Centre line Coordinates (NGR):	E 473809.5735 N 168888.3835, E 473807.8705 N 168838.6580		
Context	Category	Description	Depth (bgl)	
1301	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 3% sparse moderately well sorted sub angular to sub rounded flints (<50mm). Distinct straight horizon with natural (1302).	0.00 – 0.34m	
1302	Natural	Mid reddish brown clay. Alternating bands of dense gravel and ironstone in a sandy matrix and mid-brown firm clay.	0.34m+	
Comments: 3 land drains, but no archaeological features present.				

Trench 14	Dimensions:	Length:48.60m x Width:1.85m x Depth:0.33m	Ground surface level:	53.91m aOD
	Centre line Coordinates (NGR):	E 473837.0300 N 168860.5785, E 473824.8965 N 168814.8520		
Context	Category	Description	Depth (bgl)	
1401	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 10% moderate sub angular (<40mm) to sub rounded stones (<50mm). Diffuse undulating horizon with natural (1402).	0.00 – 0.28m	
1402	Natural	Mid yellowish brown compact clay with 1% rare mid reddish brown. 20% common poorly sorted coarse gravels throughout.	0.28m – 0.33m+	
[1403]	Cut	Land drain filled with broken bricks and flints	-----	
(1404)	Fill	Broken brick and flint fill of land drain [1403]	-----	
[1405]	Cut	Modern feature with irregular shape. This is more of spread of broken brick and roofing tile than an actual feature, potentially filling a hollow within the natural	-----	
(1406)	Fill	Modern backfill with 10% moderate peg tiles and brick fragments.	-----	
Comments: 2 land drains, but no archaeological features present.				



Trench 15	Dimensions:	Length:41.60m x Width:1.83m x Depth:0.53m	Ground surface level:	55.20m aOD
	Centre line Coordinates (NGR):	E 473849.5550 N 168959.4765, E 473843.8180 N 168919.4585		
Context	Category	Description	Depth (bgl)	
1501	Plough soil	Mid brownish grey loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 20% common sub angular (<40mm). Fairly distinct straight horizon with natural (1502).	0.00 – 0.45m	
1502	Natural	Mid yellowish brown compact clay with 1% rare mid reddish brown. 20% common poorly sorted coarse gravels throughout.	0.45m – 0.53m+	
1503	Cut	Land drain filled with broken bricks	-----	
1504	Fill	Broken brick fill of land drain [1503]	-----	
1505	Cut	Land drain (French Drain)	-----	
1506	Fill	Flinty fill of land drain [1505]	-----	
1507	Cut	Land drain filled with broken bricks	-----	
1508	Fill	Broken brick fill of land drain [1507]	-----	
Comments: 3 land drains, but no archaeological features present.				

Trench 16 not excavated

Trench 17	Dimensions:	Length:48m x Width:1.83m x Depth:0.40m	Ground surface level:	49.75m aOD
	Centre line Coordinates (NGR):	E 473930.6295 N 168991.6615, E 473973.5050 N 168973.0475		
Context	Category	Description	Depth (bgl)	
1701	Plough soil	Mid yellowish brown mottled with bluish grey silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 10% moderate sub angular – sub rounded stones (<40mm), 5% sparse manganese, 3% sparse CBM. Diffuse undulating horizon with natural (1702).	0.00 – 0.38m	
1702	Natural	Light brownish yellow with patches of mid brownish yellow. 10% moderate manganese throughout, 10% moderate sub angular stones (<60mm)	0.38m – 0.40m+	
[1703]	Cut	Land drain (French Drain)	-----	
(1704)	Fill	Flint fill of land drain [1703]	-----	
Comments: 1 land drain, but no archaeological features present.				



Trench 18	Dimensions:	Length:48.50m x Width:1.83m x Depth:0.30m	Ground surface level:	48.44m aOD
	Centre line Coordinates (NGR):	E 473959.8790 N 168986.3240, E 474007.4725 N 168985.7220		
Context	Category	Description	Depth (bgl)	
1801	Plough soil	Mid yellowish brown silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 10% moderate sub angular stones (<40mm), 5% sparse manganese, 3% sparse CBM. Diffuse undulating horizon with natural (1802).	0.00 – 0.27m	
1802	Natural	Light yellowish brown sandy clay with 10% moderate angular to sub angular stones throughout 10% moderate sub angular stones (<40mm). 3% sparse patches of manganese.	0.27m – 0.30m+	
Comments: No archaeological features present.				

Trench 19 not excavated

Trench 20	Dimensions:	Length:47.70m x Width:1.83m x Depth:0.31m	Ground surface level:	47.94m aOD
	Centre line Coordinates (NGR):	E 474012.6555 N 168981.1940, E 473971.0835 N 168956.9490		
Context	Category	Description	Depth (bgl)	
2001	Plough soil	Mid yellowish brown silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 10% moderate sub angular stones (<40mm), 10% moderate manganese. Diffuse undulating horizon with natural (2002).	0.00 – 0.23m	
2002	Natural	Light yellowish brown sandy clay with 20% common sub angular stones (<40mm). 10% moderate patches of manganese.	0.23m – 0.31m+	
Comments: No archaeological features present.				

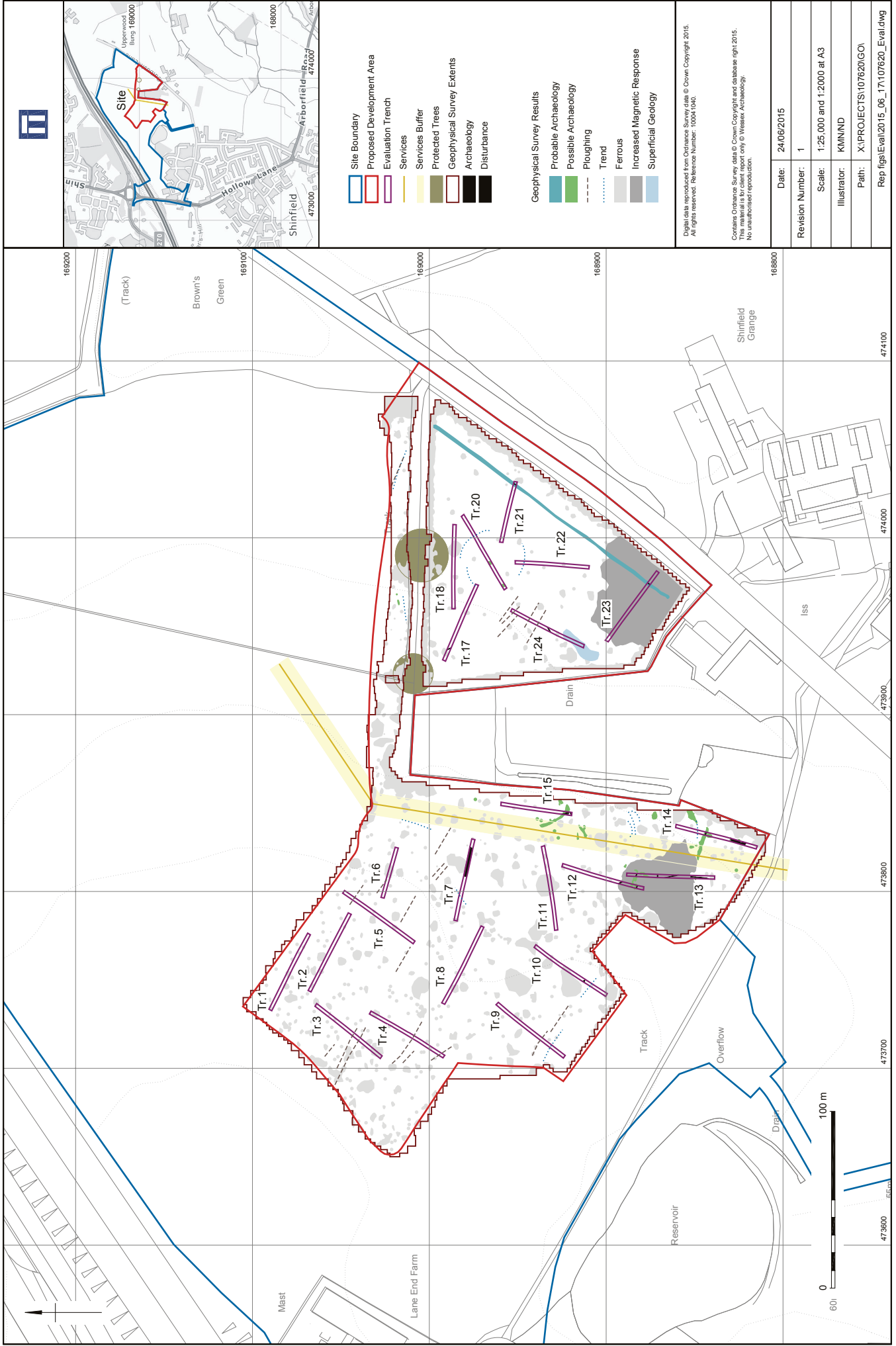
Trench 21	Dimensions:	Length:35.20m x Width:1.80m x Depth:0.34m	Ground surface level:	47.20m aOD
	Centre line Coordinates (NGR):	E 473997.4835 N 168959.3305, E 474031.7150 N 168951.1635		
Context	Category	Description	Depth (bgl)	
2101	Plough soil	Mid yellowish brown silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 5% sparse sub angular stones (<40mm), 10% moderate manganese. Diffuse undulating horizon with natural (2102).	0.00 – 0.34m+	
2102	Natural	Light yellowish brown sandy clay with 10% moderate sub angular stones (<40mm). 10% moderate patches of manganese and 5% sparse iron staining.	0.34+	
[2103]	Cut	Cut of trench for a modern ceramic pipe. Corresponds with anomaly in the geophysics interpreted as 3m wide ditch. This was the result of the trench being backfilled with cinder, slag and coke which gave a very strong signal in the survey	-----	
(2104)	Fill	Fill of modern pipe trench [2103] – includes ceramic pipe and the cinder, coke and slag backfill	-----	
Comments: No archaeological features present.				



Trench 22	Dimensions:	Length:42m x Width:1.80m x Depth:0.33m	Ground surface level:	47.50m aOD
	Centre line Coordinates (NGR):	E 473986.1515 N 168951.4340, E 473983.3415 N 168909.6635		
Context	Category	Description	Depth (bgl)	
2201	Plough soil	Mid yellowish brown silt loam with dense meadow coverage and fine rooting throughout. Dry and compact consistency. 5% sparse sub angular to sub rounded stones (<40mm), 1% rare CBM fragments. Diffuse undulating horizon with natural (2202).	0.00 – 0.25m	
2202	Natural	Light yellowish brown sandy clay with 10% moderate sub angular stones (<40mm). 10% moderate patches of manganese and 5% sparse iron staining.	0.25m – 0.33m+	
Comments: No archaeological features present.				

Trench 23	Dimensions:	Length:49.60m x Width:1.83m x Depth:0.45m	Ground surface level:	47.62m aOD
	Centre line Coordinates (NGR):	E 473941.6230 N 168899.6655, E 473980.8275 N 168870.8430		
Context	Category	Description	Depth (bgl)	
2301	Plough soil	Mid yellowish brown silt loam with dense meadow coverage and fine rooting throughout. Dry friable compaction. 5% sparse sub angular to sub rounded stones (<40mm), 1% rare CBM fragments. Diffuse fairly straight horizon with natural (2302).	0.00 – 0.42m+	
2302	Natural	Light yellowish brown sandy clay with 10% moderate sub angular stones (<40mm), 3% sparse sub rounded stones (<40mm).	0.42m – 0.45m+	
[2303]	Cut	Cut of trench for a modern ceramic pipe. Corresponds with anomaly in the geophysics interpreted as 3m wide ditch. This was the result of the trench being backfilled with cinder, slag and coke which gave a very strong signal in the survey	-----	
(2304)	Fill	Fill of modern pipe trench [2303] – includes ceramic pipe and cinder, coke and slag backfill	-----	
Comments: No archaeological features present.				

Trench 24	Dimensions:	Length:47.70m x Width:1.82m x Depth:0.30m	Ground surface level:	48.94m aOD
	Centre line Coordinates (NGR):	E 473959.1255 N 168953.5960, E 473938.6855 N 168912.6160		
Context	Category	Description	Depth (bgl)	
2401	Plough soil	Mid yellowish brown silt loam with dense meadow coverage and fine rooting throughout. Dry friable compaction. 5% sparse sub angular to sub rounded stones (<40mm), 1% rare CBM fragments. Diffuse fairly straight horizon with natural (2302).	0.00 – 0.27m	
2402	Natural	Light yellowish brown sandy clay with 5% sparse patches of reddish brown sandy clay. 20% common sub angular to angular stones (<80mm).	0.27m – 0.30m+	
[2403]	Cut	Land drain	-----	
(2404)	Fill	Flinty fill of land drain [2403]	-----	
Comments: No archaeological features present.				



Site and Trench Location

Figure 1



Plate 1: Trench 2 from the east (scale 2m,1m)



Plate 2: South facing representative section of Trench 2 (scale 1m)


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Plate 3: Trench 9 from the south-east
(scale 2m,1m)



Plate 4: Trench 15 from the south-south-east
showing broken brick filled 'French' drains
(scale 2m,1m)


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Plate 5: South-east facing representative section of Trench 20 (scale 1m)



Plate 6: South-west facing representative section of Trench 23 (scale 1m)



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Plate 7: Modern ceramic pipe in 2303, Trench 23
(scale 0.20m)

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wessex archaeology



Wessex Archaeology Ltd registered office Portway House, Old Sarum Park, Salisbury, Wiltshire SP4 6EB
Tel: 01722 326867 Fax: 01722 337562 info@wessexarch.co.uk www.wessexarch.co.uk

