

Fairways Farm
Bucknalls Lane
Garston
Hertfordshire

Archaeological Evaluation



for
CgMs Consulting Ltd

on behalf of
Bucknalls Development Ltd

CA Project: 660943
CA Report: 17721

December 2017



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CONTENTS

SUMMARY	3
1. INTRODUCTION.....	4
2. ARCHAEOLOGICAL BACKGROUND.....	4
3. AIMS AND OBJECTIVES.....	6
4. METHODOLOGY	6
5. RESULTS (FIGS 2-19).....	7
6. THE FINDS	9
7. THE BIOLOGICAL EVIDENCE	11
8. DISCUSSION.....	12
9. CA PROJECT TEAM.....	12
10. REFERENCES.....	13
APPENDIX A: CONTEXT DESCRIPTIONS	14
APPENDIX B: THE FINDS	20
APPENDIX C: THE PALAEOENVIRONMENTAL EVIDENCE	22
APPENDIX D: OASIS REPORT FORM.....	23

LIST OF ILLUSTRATIONS

Figure 1	Site location plan (1:25,000)
Figure 2	Trench location plan showing archaeological features (1:1000)
Figure 3	Trench location plan, trenches 1-15 and 19-22 (1:500)
Figure 4	Trench location plan, trenches 14-20 and 23-37(1:500)
Figure 5	Trenches 1-3: sections and photographs
Figure 6	Trenches 4-6: sections and photographs
Figure 7	Trenches 7-9: sections and photographs
Figure 8	Trenches 10-12: sections and photographs
Figure 9	Trench 13: sections and photographs
Figure 10	Trenches 14-16: sections and photographs
Figure 11	Trench 17: sections and photographs
Figure 12	Trenches 18-20: sections and photographs
Figure 13	Trenches 21-23: sections and photographs

- Figure 14 Trenches 24-26: sections and photographs
- Figure 15 Trenches 27-29: sections and photographs
- Figure 16 Trenches 30-32: sections and photographs
- Figure 17 Trenches 33-35: sections and photographs
- Figure 18 Trench 36: sections and photographs
- Figure 19 Trench 37: sections and photographs



SUMMARY

Project Name:	Fairways Farm, Bucknalls Lane,
Location:	Garston, Herts
NGR:	512066, 201464
Type:	Evaluation
Date:	13 to 24 November 2017
Location of Archive:	Watford Museum
Site Code:	FFG17

An archaeological evaluation was undertaken by Cotswold Archaeology in November 2017 at Fairways Farm, Bucknalls Lane, Garston, Hertfordshire. Thirty seven trenches were excavated.

The results of the evaluation confirmed the conclusion of the archaeological background that there was limited potential for archaeological remains within the site. A number of worked flints were recovered from the topsoil and subsoil during the course of the evaluation but these were residual in nature and are likely be to evidence of transient seasonal activity rather than settlement within the site. Evidence of possible Roman quarrying was also noted.

Where features were recorded, within **Trenches 17, 36** and **37**, these consisted of small modern drainage gullies which are likely to have been associated with the farm within the southern half of the site.



1. INTRODUCTION

- 1.1 In November 2017 Cotswold Archaeology (CA) carried out an archaeological evaluation for CgMs Consulting Ltd at Fairways Farm, Bucknalls Lane, Garston, Watford, Hertfordshire, (centred at NGR: 512066, 201464 Figure 1). The evaluation was undertaken to assist the planning application for housing development of the site.
- 1.2 The evaluation was carried out in accordance with a detailed *Written Scheme of Investigation* (WSI) produced by CA (2017) and approved by the archaeological advisor to 3 Rivers District Council. The fieldwork also followed *Standard and guidance: Archaeological field evaluation* (CIfA 2014).

The site

- 1.3 The proposed development area is approximately 3.35ha, and comprises farmland to the north of Garston. The site is bounded to the south by housing, to the east by the M1, and to the north and west by commercial buildings, and a “Footgolf” course respectively. The site lies at approximately 78m above Ordnance Datum (aOD), and lies on level ground.
- 1.4 The underlying bedrock geology of the area is mapped as Lewes Nodular Chalk Formation and Seaford Chalk Formation with superficial deposits of Winter Hill Gravel, sand and gravel.

2. ARCHAEOLOGICAL BACKGROUND

- 2.1 The archaeological background given below is a succinct summary of the known archaeological background taken from a Desk Based Assessment by CgMs Consulting Ltd. (2016).

Prehistoric

- 2.2 No finds of Prehistoric material are recorded within a 1km radius of the site other than a single flint scraper found during construction works, c. 800m south-west of

the site. The lack of evidence for the prehistoric period may reflect the almost complete absence of modern archaeological fieldwork in Watford.

Roman

- 2.3 Within a 1km area of the site two archaeological assets of Roman date are recorded but both are regarded as being of dubious reliability. The Hertfordshire HER notes the route of a conjectured Roman road 600m north-east of the site however, there is no archaeological evidence for this.
- 2.4 A Roman building is suggested to be located 900m east of the site, however there is no archaeological evidence for this. An isolated pot sherd of Roman date was found 800m southwest of the site.

Anglo-Saxon

- 2.5 There is no known evidence of Anglo-Saxon or early medieval activity in the site or within a 1km radius.

Late Medieval, Post Medieval and Modern

- 2.6 The earliest evidence for the site is a 1766 map which shows the site as consisting of agricultural fields to the east of Bricket Wood. By the 1805 and 1820-21 maps the site remained unchanged
- 2.7 Bucknalls House was constructed in 1855-56 and is located 250m east of the site, and is separated from it by the M1 motorway. The house was later bought by the government and became the Buildings Research Establishment.
- 2.8 The site remained relatively unchanged until the 1960's although Fairways Farm had been constructed within the southern part of the proposed development area. At this point the immediate vicinity of the site underwent dramatic redevelopment with the building of the M1 to the north west of the site, and the construction of housing at Bucknalls lane to the south. Overall there is limited evidence for later medieval and post-medieval activity within the site.



3. AIMS AND OBJECTIVES

- 3.1 The objectives of the evaluation are to provide information about the archaeological resource within the site, including its presence/absence, character, extent, date, integrity, state of preservation and quality. In accordance with *Standard and guidance: Archaeological field evaluation* (ClfA 2014), the evaluation has been designed to be minimally intrusive and minimally destructive to archaeological remains. The information gathered will enable the archaeological advisor to 3 Rivers District Council, the Local Planning Authority, to identify and assess the particular significance of any heritage asset, consider the impact of the proposed development upon it, and to avoid or minimise conflict between the heritage asset's conservation and any aspect of the development proposal, in line with the *National Planning Policy Framework* (DCLG 2012).
- 3.2 If significant archaeological remains are identified, reference will be made to the appropriate research framework, with reference, to the *Solent-Thames Archaeological Research Framework* (Chapters published 2006-2009) so that the remains can, if possible, be placed within their local and regional context.
- 3.3 The evaluation of the site also presented an opportunity to address the following objectives:
- 1) To determine the presence of any Prehistoric activity.
 - 2) To determine the presence of any Roman activity.
 - 3) To determine the presence of any Anglo-Saxon or Late Medieval activity.
 - 4) Establish the likely impact of past land use and development.
 - 5) Provide sufficient information to, if appropriate, construct an archaeological mitigation strategy.

4. METHODOLOGY

- 4.1 The evaluation comprised the excavation of thirty seven trenches in the locations shown on the attached plan (Figure 2) representing a 6% sample of the site. All trenches were 30m long and 1.8m wide. **Trenches 2, 22 and 29** were moved to take account of obstructions. Trenches were set out on OS National Grid (NGR) co-

ordinates using Leica GPS and surveyed in accordance with CA Technical Manual 4 *Survey Manual*.

- 4.2 All trenches were excavated by mechanical excavator equipped with a toothless grading bucket. All machine excavation was undertaken under constant archaeological supervision to the top of the first significant archaeological horizon or the natural substrate, whichever was encountered first. Where archaeological deposits were encountered they were excavated by hand in accordance with CA Technical Manual 1: *Fieldwork Recording Manual*.
- 4.3 Deposits were assessed for their palaeoenvironmental potential in accordance with CA Technical Manual 2: *The Taking and Processing of Environmental and Other Samples from Archaeological Sites* and in total two samples were taken. All artefacts recovered were processed in accordance with Technical Manual 3 *Treatment of Finds Immediately after Excavation*.
- 4.4 The archive and artefacts from the evaluation are currently held by CA at their offices in Kemble. Subject to the agreement of the legal landowner the artefacts will be deposited with Watford Museum along with the site archive. A summary of information from this project, set out within Appendix D, will be entered onto the OASIS online database of archaeological projects in Britain.

5. RESULTS (FIGURES 2-19)

- 5.1 This section provides an overview of the evaluation results; detailed summaries of the recorded contexts, finds and environmental samples (palaeoenvironmental evidence) are to be found in Appendices A, B and C respectively - delete references to unused appendices as appropriate.
- 5.2 **Trenches 1 to 12, 14 to 16 and 18 to 35** contained no archaeology. Archaeological features within the other trenches (**Trenches 13, 17, 36 and 37**) included quarry pits, gullies and ditches.

5.3 The natural sequence varied across the site. The natural geology consisted of a mix of silty sand, clayey sand and clayey silt. Within the north of the site **Trenches 1 to 9**, and in **Trenches 13 and 15**, the natural geology was sealed by modern made ground (0.06 and 0.42m thick). In **Trenches 7, 10, 11, 17, 18, 23-37** the natural geology was sealed by subsoil (0.12 and 0.4m thick). In **Trenches 3 and 16** the natural geology was sealed by a colluvium. All of the Trenches were all sealed by the modern topsoil (0.13 and 0.31m thick).

Trench 13 (Figures 2, 3 & 9)

5.4 **Trench 13** contained a quarry pit **1303** which was 1.85m long, 7.90m wide and 0.88m deep. The quarry was irregular in plan, with concave moderate sides and a flat base. It was filled by **1304, 1305** and **1306**. A tile of Roman date was recovered from the fill of **1306**.

Trench 17 (Figures 2, 4 & 11)

5.5 **Trench 17** contained a gully **1703** which was 0.39m wide and 0.23m deep. It was linear in plan with steep concave sides and a pointed concaved base on an east – west alignment. It was filled by **1704**.

Trench 36 (Figures 2, 4 & 18)

5.6 **Trench 36** contained two ditches **3604** and **3606**. Ditch **3604** was 0.44m wide and 0.07m deep. It was linear in plan with gradual concave sides and a concave base It was filled by **3605**. It was the same as Ditch **3705**

5.7 Ditch **3606** was 0.2m wide and 0.05m deep. It was linear in plan with moderate concave sides and a concave base. It was filled by **3607**.

Trench 37 (Figures 2, 4 & 19)

5.7 **Trench 37** contained two ditches **3703** and **3705**. Ditch **3703** was 0.8m wide and 0.31m deep. It was linear in plan with steep concave sides and a concave base. It was filled by **3704**. Modern tile and glass was recovered from the fill of the ditch as well as residual flint.

- 5.7 Ditch **3705** was 0.69m wide and 0.38m deep. It was linear in plan with steep concave sides and a concave base. It was filled by **3706**. It was the same as Ditch **3604**.

6. THE FINDS

- 6.1 Artefactual material recovered from the evaluation is listed in Appendix B and discussed further below. All finds have been cleaned (with the exception of the metal objects), quantified by material type in each context and recorded to a Microsoft Excel spreadsheet.

Pottery

- 6.2 Two fragments of pottery were recovered from two deposits. A single sherd of burnt greyware was recovered from subsoil **3601**, of Roman date. A basesherd from an unglazed earthenware vessel, of post-medieval date, was recovered from topsoil **3300**.

Lithics by Jacky Sommerville

- 6.3 A total of 30 worked flints (1184g) and 10 pieces of burnt, unworked flint (253g) was recovered from 22 deposits (a ditch fill, made ground and alluvium, colluvium, topsoil, subsoil and natural deposits). The burnt flints have been discarded. The lithics have been recovered from all areas of the site and all appear to be redeposited. Some material which has sustained minimal edge damage (microflaking) and/or rolling (abrasion) was recorded, which might be considered to be only slightly disturbed from where it was originally deposited. This material however does not form a tight cluster, recorded from **Trenches 19, 23, 28, 29** and **36**.

All of the lithics have been made using flint and the assemblage comprises: 19 flakes, five cores, two retouched flakes, a concave side scraper, a leaf-shaped arrowhead, a notched flake (made on a flake from a polished flint axe) and a tool which may represent an unfinished laurel leaf. The flakes and scraper are not chronologically diagnostic types. The cores consist of one discoidal, two single-platform and two-double platform types. Discoidal cores typically date to the Later Neolithic period (Edmonds 1995, 82). The striking platform on the dual-opposed

platform core, from topsoil deposit **3200**, has been rejuvenated, which is a knapping strategy practised during the Mesolithic and Early Neolithic. The arrowhead, from made ground deposit **401**, is a (Green) Type 2A (Green 1980, 70), which features semi-invasive pressure flaking around both lateral edges of the dorsal face and an unretouched ventral face. Leaf-shaped arrowheads were in use during the Early Neolithic. The notched flake is not a diagnostic tool type, however, it was made on a flake blank struck from a polished flint axe. The axe would have been Neolithic in date and the tool is most likely to belong to the same period as good quality flint from a broken axe would have been valued and recycled.

The tool from topsoil **3600**, measuring 94 x 57 x 18mm, has been made using a thermal blank with one mostly cortical face. The inner face has been worked around the edges of the upper portion (approximately two-thirds of the flint), shaping the tool into a rough teardrop or leaf shape. Flake removals on the cortical face are restricted to small areas of the lateral and base edges. Laurel leaves are found in Early Neolithic assemblages (e.g. Staines causewayed enclosure, Surrey (Robertson-Mackay 1987) although their function is unclear as they typically feature blunted points which would appear to preclude their use as projectile points (*ibid.*, 101; Clark 1960, 223). It is suggested that the item from Fairways Farm, Garston is unfinished as the working is relatively minimal and cortex remains around c. 50% of the edge.

This assemblage provides evidence of activity on the site through the Neolithic period and may include debitage/cores of Bronze Age date. No definitive Mesolithic items were retrieved.

Other Finds

- 6.3 Two fragments of colourless window glass (5g), of 20th century or later dating, were recovered from ditch **3703** (fill **3704**).
- 6.4 Two metal items were recorded from two deposits. A nail shank fragment, which cannot be closely dated, was recovered from topsoil **2900**. The remaining item, a handle fragment weighing 281g, was recovered from topsoil **3600**. The item is likely to be modern.
- 6.5 A total of 19 fragments (1771g) of ceramic building material was recovered from eleven deposits. Brick fragments recovered from quarry pit **1303** (fill 1306) and

subsoil **2601**, are of possible Roman date. The fragments measure between 36 and 55mm in thickness. A post-medieval brick fragment was recovered from topsoil **3300**. The remainder of the group comprises tile fragments of probable medieval or post-medieval date, with the tile recovered from ditch **3703** (fill **3704**) being of post-medieval date.

7. THE BIOLOGICAL EVIDENCE

Animal Bone

- 7.1 Three fragments of moderately well preserved animal bone (59g) were recovered from ditches 3604, 3703 and 3705. These faunal remains were thought to be of post-medieval date from the presence of CBM within ditch 3703. It was possible to identify the presence of sheep/goat (*Ovis aries/Capra hircus*) for which a tibia fragment was found in fill 3605 and fill 3706. The large mammal vertebra in fill 3704 exhibits chop marks associated with butchery. Due to the small size of the assemblage, no further interpretative data can be gained beyond confirming the presence of these species on site.



8. DISCUSSION

- 8.1 The results of the evaluation confirmed the conclusions of the archaeological background that there was limited potential for archaeological remains within the site.
- 8.2 A number of worked flints were recovered from the topsoil and subsoil during the course of the evaluation but these were residual in nature and are likely to be evidence of transient seasonal activity during the Neolithic and Bronze Age rather than settlement within the site.
- 8.3 Evidence of quarrying was also noted within **Trench 13**. While possible Roman CBM was recovered from the fill of the quarry, it remains uncertain whether this CBM was residual in nature or not. Roman pottery was also found within the subsoil of **Trench 36**, but did not have any associated features.
- 8.4 Where features were encountered, within **Trenches 17, 36 and 37**, they consisted of small modern drainage gullies which are likely to have been associated with the farm within the southern half of the site.
- 8.5 The trenches within the northern half of the site contained made ground, which is likely to have been spoil that was placed on the site during the development of the M1 motorway. The lack of topsoil or sub-soil within those trenches containing made ground is probably an indication that the site was stripped prior to the deposition of the spoil material which may have resulted in any archaeological features within this part of the site having been truncated.

9. CA PROJECT TEAM

Fieldwork was undertaken by Jeremy Clutterbuck, assisted by Tim Street and Georgina Johnston. The report was written by Ray Kennedy. The finds and biological evidence reports were written by Katie Marsden, Grace Jones and Jackie Sommerville, and Jeremy Clutterbuck respectively. The illustrations were prepared by Charlie Patman. The archive has been compiled by Zoe Emery, and prepared for deposition by Hazel O'Neill. The project was managed for CA by Ray Kennedy.

10. REFERENCES

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APPENDIX A: CONTEXT DESCRIPTIONS

Trench No	Context	Type	Fill of	Context Interpretation	Context Description	Length (m)	Width (m)	Depth (m)
1	100	Layer		Topsoil	Dark grey-brown clayey silt with rooting throughout and common sub-angular chert and flint.	30	1.85	0-0.22
1	101	Layer		Made Ground	Mid grey-brown clayey silt with common patches of chalk, chert and flint.	30	1.85	0.22-0.47
1	102	Layer		Natural	Mid orange-brown clayey silt with common sub-angular flint and sub-rounded chert.	30	1.85	0.47+
2	200	Layer		Topsoil	Mid grey-brown silty sand with rare sub-angular and sub-rounded stone.	30	1.85	0-0.3
2	201	Layer		Made Ground	Mid orange-brown clayey silt with very common sub-angular chalk and stone.	30	1.85	0.3-0.4
2	202	Layer		Natural	Mid orange-brown silty sand gravel with very common sub-angular stone and flint.	30	1.85	0.40+
3	300	Layer		Topsoil	Mid grey-brown silty sand with rooting throughout and sparse sub-rounded chert.	30	1.85	0-0.16
3	301	Layer		Made Ground	Mid yellow-brown silty sand with sparse sub-rounded chert.	30	1.85	0.16-0.29
3	302	Layer		Buried?	Mid grey-brown silty sand with sparse sub-rounded chert.	30	1.85	0.29-0.60
3	303	Layer		Colluvium	Dark grey-brown silty sand with common sub-rounded flint and chert.	30	1.85	0.66-0.96
3	304	Layer		Natural	Light yellow-brown silty sand with common sub-angular flint and chert.	30	1.85	0.96+
3	305	Layer		Made Ground	Mid yellow-brown silty sand with common sub-rounded flint and chert.	30	1.85	0.6-0.66
4	400	Layer		Topsoil	Dark grey-brown clayey sand with rooting throughout and sparse sub-angular flint.	30	1.85	0-0.31
4	401	Layer		Made Ground	Mid yellow-brown clayey sand with some rooting and common sub-angular flint, patches of chalk and sub-rounded chert.	30	1.85	0.31-0.73
4	402	Layer		Natural	Mid yellow-brown clayey sand with common sub-angular flint and sub-rounded chert.	30	1.85	0.73+
5	500	Layer		Topsoil	Mid grey-brown silty sand with very rare sub-angular stone	30	1.85	0-0.24
5	501	Layer		Made Ground	Mid orange-brown clayey silt with common chalk patches	30	1.85	0.24-0.35
5	502	Layer		Natural	Mid orange-brown silty sand with very common sub-angular flint	30	1.85	0.35+
6	600	Layer		Topsoil	Mid grey-brown silty sand with rare sub-angular stone and flint	30	1.85	0-0.27
6	601	Layer		Made Ground	Mid yellow-brown sandy silt with very rare sub-angular stone and flint	30	1.85	0.27-0.40
6	602	Layer		Made Ground	Mid orange-brown clayey silt with very common chalk	30	1.85	0.40-0.52
6	603	Layer		Natural	Mid grey-brown silty sand with very common sub-angular and sub-rounded stone and flint	30	1.85	0.52+
7	700	Layer		Topsoil	Mid grey-brown clayey silt with rooting throughout and common	30	1.85	0-0.5

					sub-rounded chert			
7	701	Layer		Subsoil	Light grey-brown clayey silt with rooting throughout and sparse sub-rounded chert	30	1.85	0.5-0.62
7	702	Layer		Made Ground	Light grey-brown clayey silt with common patches of chalk and sub-angular flint	30	1.85	0.62-0.68
7	703	Layer		Natural	Mid yellow-brown clayey silt with abundant gravel, sub-angular flint and sub-rounded chert	30	1.85	0.68+
8	800	Layer		Topsoil	Mid grey-brown silty sand with rare sub-angular flint and stone	30	1.85	0-0.15
8	801	Layer		Made Ground	Mid grey-brown silty sand with rooting throughout and common sub-rounded chert	30	1.85	0.15-0.61
8	802	Layer		Natural	Mid orange-brown silty sand with common sub-rounded chert.	30	1.85	0.61+
8	803	Deposit		Contaminated Natural	Mid yellow-brown clayey silt with rare sub-angular flint.	9.0+	0.55	0.21
9	900	Layer		Topsoil	Dark black-brown silty clay with rooting throughout, abundant sub-rounded gravel and chert and patches of chalk flecks.	30	1.85	0-0.25
9	901	Layer		Made Ground	Mid orange-brown silty clay with large patches of chalk	30	1.85	0.25-0.63
9	902	Layer		Natural	Mid orange-brown silty clay with sparse sub-rounded chert	30	1.85	0.63+
10	1000	Layer		Topsoil	Dark grey-brown silty clay with rooting throughout and common sub-rounded chert and flint	30	1.85	0-0.28
10	1001	Layer		Subsoil	Dark orange-brown silty clay with sparse sub-rounded chert and flecks of chalk	30	1.85	0.28-0.63
10	1002	Layer		Natural	Mid orange-brown silty clay with common sub-angular flint and sub-rounded chert	30	1.85	0.63+
11	1100	Layer		Topsoil	Dark grey-brown clayey silt with rooting throughout and common sub-rounded chert and sub-angular flint	30	1.85	0-0.23
11	1101	Layer		Subsoil	Mid orange-brown silty clay with sparse sub-rounded chert	30	1.85	0.23-0.63
11	1102	Layer		Natural	Mid yellow-brown clayey silt with abundant sub-angular flint and sub-rounded chert	30	1.85	0.63+
12	1200	Layer		Topsoil	Dark grey-brown clayey silt with rooting throughout and common sub-rounded chert and sub-angular flint	30	1.85	0-0.28
12	1201	Layer		Natural	Mid orange-brown clayey silt with rooting throughout and abundant sub-angular flint, chert and patches of chalk alluvium	30	1.85	0.28+
13	1300	Layer		Topsoil	Dark grey-brown clayey sand with rooting throughout and sparse sub-rounded chert	30	1.85	0-0.27
13	1301	Layer		Made Ground	Mid grey-brown clayey sand with rooting throughout and common sub-rounded chert and flint	30	1.85	0.27-0.44
13	1302	Layer		Natural	Mid orange-brown clayey sand with abundant sub-rounded chert and sub-angular flint.	30	1.85	0.44+
13	1303	Cut		Quarry Pit	Irregular shape, with moderately concave sides and a flat base. Not fully excavated due to depth.	1.85+	7.9	0.88
13	1304	Fill	1303	Fill of Quarry	Mid grey-brown sandy silt with common sub-rounded gravel and	1.85	3.7	0.44

				Pit	low contamination.			
13	1305	Fill	1303	Fill of Quarry Pit	Dark yellow-brown clayey silt with very rare sub-rounded flint and gravel. Sample taken.	1.85	6.54	0.36
13	1306	Fill	1303	Fill of Quarry Pit	Mid yellow-brown clayey silt with common flint and gravel.	1.85	7.9	0.54
14	1400	Layer		Topsoil	Mid grey-brown clayey silt with rooting throughout and common sub-angular chert and sub-rounded chert	30	1.85	0-0.21
14	1401	Layer		Natural	Mid orange-brown clayey silt with sparse flecks of manganese and chert, common sub-rounded chert and sub-angular flint	30	1.85	0.21+
15	1500	Layer		Topsoil	Dark grey-brown clayey-silt with sparse chalk flecks, sub-rounded chert and rooting throughout	30	1.85	0-0.13
15	1501	Layer		Made Ground	Mid orange-brown clayey silt with abundant sub-rounded chert, sub-angular flint and patches of degraded chalk	30	1.85	0.13-0.27
15	1502	Layer		Natural	Light yellow-brown clayey silt with abundant sub-rounded chert and sub-angular flint	30	1.85	0.27+
16	1600	Layer		Topsoil	Mid grey-brown clayey silt with rooting throughout and common sub-rounded chert.	30	1.85	0-0.25
16	1601	Layer		Colluvium	Mid yellow-brown clayey silt with sparse sub-rounded chert	30	1.85	0.25-0.44
16	1602	Layer		Natural	Light yellow-brown clayey silt with abundant sub-rounded chert and sub-angular flint	30	1.85	0.44+
17	1700	Layer		Topsoil	Dark-grey brown friable clayey silt with common sub-rounded flint inclusions	30	1.85	0-0.21
17	1701	Layer		Subsoil	Mid yellowish brown friable clayey sand with common sub-angular flint inclusions	30	1.85	0.21-0.41
17	1702	Layer		Natural	Light yellow-brown clayey sand with abundant sub-rounded chert and sub-angular flint	30	1.85	0.41+
17	1703	Cut		Cut of Gully	Linear in plan with steep concave sides and a concave base	1	0.39	0.23
17	1704	Fill	1703	Fill of Gully	Mid grey brown friable clayey sand with abundant sub-angular flint inclusions	1	0.39	0.23
18	1800	Layer		Topsoil	Dark orange-brown clayey silt with common sub-rounded chert and flecks of chalk	30	1.85	0-0.2
18	1801	Layer		Subsoil	Mid orange brown clayey silt with sparse sub-angular flint inclusions	30	1.85	0.2-0.39
18	1802	Layer		Natural	Light orange brown clayey silt with common sub-rounded chert inclusions	30	1.85	0.39+
19	1900	Layer		Topsoil	Dark orange-brown clayey silt with common sub-rounded chert and flecks of chalk	30	1.85	0-0.15
19	1901	Layer		Made ground	Mid orange brown clayey silt with sparse chalk and abundant sub-rounded flint inclusions	30	1.85	0.15-0.39
19	1902	Layer		Natural	Mid orange brown clayey silt with common sub-angular flint inclusions	30	1.85	0.39+
20	2000	Layer		Topsoil	Mid greyish brown friable silty sand with rare sub-rounded flint and stone inclusions	30	1.85	0-0.21

20	2001	Layer		Made Ground	Mid greyish brown friable clayey silt with common chalk and stone inclusions	30	1.85	0.21-0.32
20	2002	Layer		Alluvium	Light yellow brown friable silty sand with rare sub-angular stone and chalk inclusions	30	1.85	0.32-0.86
20	2003	Layer		Alluvium	Mid yellow brown friable silty clay with sub-angular stone inclusions	30	1.85	0.86-1
21	2100	Layer		Topsoil	Mid greyish brown friable silty sand with rare sub-rounded flint and stone inclusions	30	1.85	0-0.33
21	2101	Layer		Made Ground	Light yellow brown silty clay with common sub-angular chalk inclusions, with rare sub-angular flint inclusions	30	1.85	0.33-0.45
21	2102	Layer		Natural	Mid yellow brown friable silty clay with rare sub-angular flint and stone inclusions	30	1.85	0.45
22	2200	Layer		Topsoil	Mid greyish brown friable silty sand with rare sub-rounded flint and stone inclusions	30	1.85	0-0.28
22	2201	Layer		Made Ground	Mid greyish brown friable silty sand with common chalk and stone inclusions	30	1.85	0.28-0.37
22	2202	Layer		Natural	Light yellow brown friable silty clay with very rare sub-angular stone inclusions	30	1.85	0.37+
22	2203	Layer		Alluvium	Mid orange brown clayey silt with abundant gravel inclusions	30	1.85	0.85
23	2301	Layer		Topsoil	Mid greyish brown friable silty sand with rare sub-rounded flint and stone inclusions	30	1.85	0-0.23
23	2302	Layer		Subsoil	Mid yellow brown friable sandy clay with very rare sub-angular stone inclusions	30	1.85	0.23-0.41
23	2303	Layer		Natural	Mid yellow brown friable sandy clay with common sub-angular stone inclusions	30	1.85	0.41+
24	2400	Layer		Topsoil	Mid greyish brown friable silty sand with rare sub-rounded flint and stone inclusions	30	1.85	0-0.16
24	2401	Layer		Subsoil	Mid greyish brown friable silty sand with very rare sub-rounded flint and stone inclusions	30	1.85	0.16-0.25
24	2402	Layer		Natural	Mid yellow brown friable sandy clay with gravel patches and common sub-angular stone inclusions	30	1.85	0.25+
25	2500	Layer		Topsoil	Dark orange brown clayey silt	30	1.85	0-0.24
25	2501	Layer		Subsoil	Mid orange brown clayey silt with sub-angular flint inclusions	30	1.85	0.24-0.88
25	2502	Layer		Natural	Mid orange brown clayey silt with sub-angular flint inclusions	30	1.85	0.88+
25	2503	Layer		geology	geology	N/A	N/A	N/A
25	2504	Layer	2504	fill of geology	fill of geology	N/A	N/A	N/A
26	2600	Layer		Topsoil	Dark orange brown clayey silt with sparse sub-rounded flint inclusions	30	1.85	0-0.24
26	2601	Layer		Subsoil	Mid orange brown clayey silt with sparse sub-angular flint inclusions	30	1.85	0.24-0.37
26	2602	Layer		Natural	Light orange brown friable clayey silt with sparse sub-angular stone and chalk inclusions	30	1.85	0.37+
26	2603	Layer		geology	geology	N/A	N/A	N/A
26	2604	Layer	2603	fill of geology	fill of geology	N/A	N/A	N/A

26	2605	Layer		geology	geology	N/A	N/A	N/A
26	2606	Layer	2605	fill of geology	fill of geology	N/A	N/A	N/A
27	2700	Layer		Topsoil	Dark orange brown clayey silt with sparse sub-rounded flint inclusions	30	1.85	0-0.18
27	2701	Layer		Subsoil	Mid orange brown clayey silt with sparse sub-angular flint inclusions	30	1.85	0.18-0.52
27	2702	Layer		Natural	Light orange brown friable clayey silt with sparse sub-angular stone and chalk inclusions	30	1.85	0.52+
28	2800	Layer		Topsoil	Mid grey brown clayey silt with common gravel and sparse sub-rounded flint inclusions	30	1.85	0-0.16
28	2801	Layer		Subsoil	Mid orange brown clayey silt with common sub-angular flint inclusions	30	1.85	0.16-0.51
28	2802	Layer		Subsoil	Dark orange brown clayey silt with common sub-rounded flint inclusions	30	1.85	0.51-1
28	2703	Layer		Natural	Mid orange brown friable clayey silt with sparse sub-angular stone and chalk inclusions	30	1.85	1+
29	2900	Layer		Topsoil	Dark greyish brown friable clayey silt with common sub-rounded flint and stone inclusions	30	1.85	0-0.21
29	2901	Layer		Subsoil	Mid grey/yellow brown clayey silt with common sub-angular flint inclusions	30	1.85	0.21-0.38
29	2902	Layer		Natural	Mid yellow brown friable clayey silt with abundant sub-angular stone inclusions	30	1.85	0.38+
30	3000	Layer		Topsoil	Mid greyish brown clayey silt with common sub-rounded flint inclusions	30	1.85	0-0.33
30	3001	Layer		Natural	Mid orange brown clayey silt with sub-angular flint inclusions	30	1.85	0.33+
31	3100	Layer		Topsoil	Dark greyish brown clayey silt with sparse sub-rounded flint inclusions	30	1.85	0-0.29
31	3101	Layer		Natural	Mid yellow brown clayey silt with sparse sub-angular flint inclusions	30	1.85	0.29+
32	3200	Layer		Topsoil	Mid greyish brown silty sand with rare sub-rounded stone and flint inclusions	30	1.85	0-0.11
32	3201	Layer		Subsoil	Mid greyish brown silty clay with very rare sub-angular stone and flint inclusions	30	1.85	0.11-0.26
32	3202	Layer		Natural	Light orange brown friable sandy clay with rare sub-angular stone inclusions, gravel patches to northern end of trench	30	1.85	0.26+
33	3300	Layer		Topsoil	Mid greyish brown silty sand with rare sub-rounded stone and flint inclusions	30	1.85	0-0.22
33	3301	Layer		Subsoil	Mid greyish brown silty sand with rare sub-angular stone and flint inclusions	30	1.85	0.22-0.32
33	3302	Layer		Natural	Mid orange brown friable silty sand with common sub-rounded flint and stone inclusions, patches of gravel	30	1.85	0.32+
34	3400	Layer		Topsoil	Mid greyish brown silty sand with rare sub-rounded stone and flint inclusions	30	1.85	0-0.19
34	3401	Layer		Subsoil	Mid greyish brown silty sand with very rare sub-angular stone inclusions	30	1.85	0.19-0.34

34	3402	Layer		Natural	Mid orange brown friable sandy clay with common sub-rounded flint and stone inclusions, patches of gravel	30	1.85	0.34+
35	3500	Layer		Topsoil	Mid greyish brown silty sand with rare sub-rounded stone and flint inclusions	30	1.85	0-0.19
35	3501	Layer		Subsoil	Mid greyish brown silty clay with very rare sub-angular stone inclusions	30	1.85	0.19-0.3
35	3502	Layer		Natural	Mid orange brown friable silty sand with patches of light yellowish brown silty clay and mid greyish brown gravel inclusions and common sub-angular flint and stone inclusions	30	1.85	0.3+
36	3600	Layer		Topsoil	Mid greyish brown silty sand with rare sub-rounded stone and flint inclusions	30	1.85	0-0.27
36	3601	Layer		Subsoil	Dark orange brown sandy silt with very rare sub-angular stone inclusions	30	1.85	0.27-0.44
36	3602	Layer		Natural	Mid orange brown friable silty sand with very rare sub-angular stone inclusions	30	1.85	0.44-0.77
36	3603	Layer		Natural	Mid greyish brown friable silty sand with gravel patches with sub-angular flint and stone inclusions	30	1.85	0.77-0.88+
36	3604	Cut		cut of Ditch	Linear in plan with gradual concave sides and a concave base	2.25	0.44	0.07
36	3605	Fill	3604	Fill of Ditch	Mid greyish brown sandy silt with common sub-rounded flint inclusions	2.25	0.44	0.07
36	3606	Cut		cut of Ditch	Linear in plan with moderate concave sides and a concave base	1.55	0.2	0.05
36	3607	Fill	3606	Fill of Ditch	Mid greyish brown clayey silt with occasional sub-rounded flint inclusions	1.55	0.2	0.05
37	3700	Layer		Topsoil	Dark greyish brown sandy silt with common sub-rounded flint inclusions	30	1.85	0-0.21
37	3701	Layer		Subsoil	Mid greyish brown sandy silt with common gravel inclusions	30	1.85	0.21-0.33
37	3702	Layer		Natural	Mid orange brown friable sandy clay with rare sub-angular flint inclusions	30	1.85	0.33+
37	3703	Cut		cut of Ditch	Linear in plan with gradual concave sides and a concave base	1.85	0.8	0.31
37	3704	Fill	3703	Fill of Ditch	Dark greyish brown sandy silt	1.85	0.8	0.31
37	3705	Cut		cut of Ditch	Linear in plan with steep concave sides and a concave base	1.85	0.69	0.38
37	3706	Fill	3705	Fill of Ditch	Mid greyish brown clayey silt with occasional sub-rounded flint inclusions	1.85	0.69	0.38
37	3707	Layer		Natural	Mid greyish brown friable silty sand with gravel patches with sub-angular flint and stone inclusions	30	1.85	

APPENDIX B: THE FINDS

Context	Sample no.	Class	Description	Ct.	Wt.(g)
200		Flint	flake, retouched flake	2	52
400		Flint	flake	1	17
401		Flint	leaf-shaped arrowhead	1	11
702		Flint	core	1	95
1000		CBM	tile	1	43
1300		Flint	flake	1	15
1302		Burnt flint		1	19
1306		CBM	Brick; Roman? 37mm thick	1	590
1601		Burnt flint		3	116
1702		Burnt flint		4	86
1902		Flint	flake, core	2	437
2000		Flint	flake	1	8
2002		Burnt flint		1	4
		CBM	fragment	1	80
2102		CBM	post med tile	3	102
2300		Flint	flake	1	42
2502	1	Burnt flint		1	28
		Flint	flake	1	21
		Flint	flakes, notched flake	4	66
2601		CBM	brick and fragments, 55mm thick	4	695
2702		CBM	fragments	3	36
		Flint	flakes, cores	5	124
		Flint	flake, Ra. 2	1	3
2801		CBM	tile	1	10
		Flint	flakes, concave side scraper	4	74
2802		Flint	flake		
2900		CBM	tile fragment, soft	1	15
		Flint	flake	1	10
		Iron	nail shank	1	3
3200		CBM	tile	2	47
		Flint	core	1	111
3201		Flint	retouched flake	1	15
3300		CBM	brick fragment	1	134
		Post med. pottery	unglazed earthenware	1	24
3600		Flint	unfinished laurel leaf?	1	90
		Iron	handle	1	281
3601		Roman pottery	burnt greyware	1	37
3704		CBM	tile	1	19
		Flint	flake	2	5

		Glass	window	2	5
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APPENDIX C: THE PALAEOENVIRONMENTAL EVIDENCE

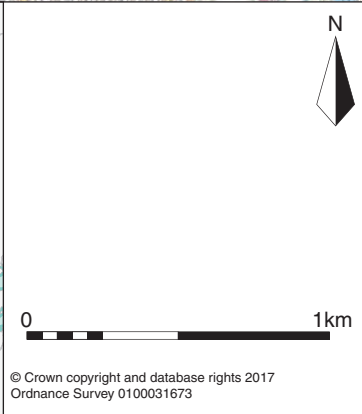
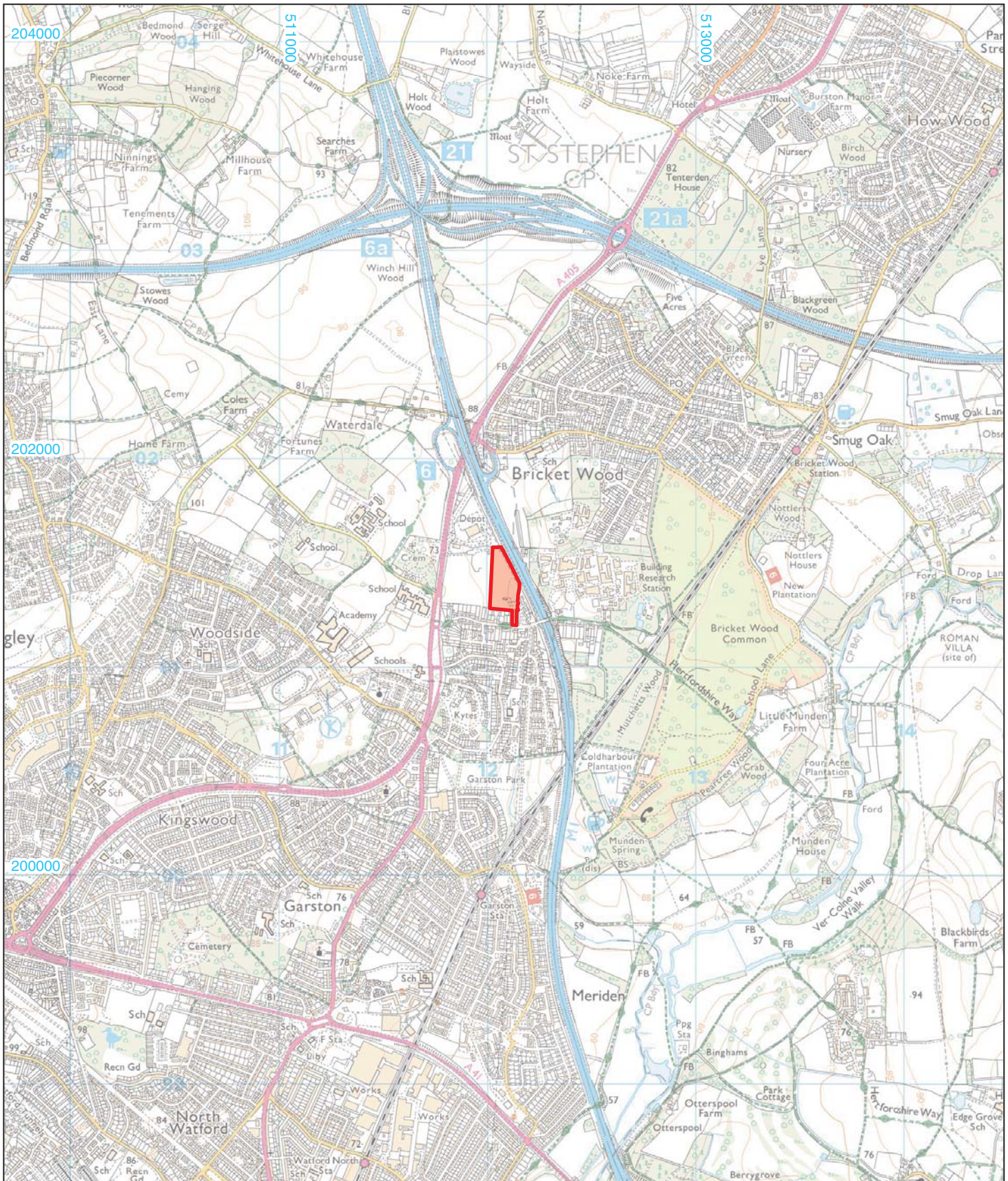
Table 1: Identified animal species by fragment count (NISP) and weight and context

Cut	Fill	O/C	LM	MM	Total	Weight (g)
3604	3605	1		1	2	21
3703	3704		1		1	25
3705	3706	1			1	13
Total		2	1	1	3	
Weight		32	25	2	59	

O/C = sheep/goat; LM = large sized mammal; MM = medium sized mammal;

APPENDIX D: OASIS REPORT FORM

PROJECT DETAILS	
Project Name	Fairways Farm, Bucknalls Lane, Garston, Hertfordshire
Short description	<p>An archaeological evaluation was undertaken by Cotswold Archaeology in November 2017 at Fairways Farm, Bucknalls Lane, Garston, Hertfordshire. Thirty seven trenches were excavated.</p> <p>The results of the evaluation confirmed the conclusion of the archaeological background that there was limited potential for archaeological remains within the site. A number of worked flints were recovered from the topsoil and subsoil during the course of the evaluation but these were residual in nature and are likely to be evidence of transient seasonal activity rather than settlement within the site. Evidence of possible Roman quarrying was also noted.</p> <p>Where features were recorded, within Trenches 17, 36 and 37, these consisted of small modern drainage gullies which are likely to have been associated with the farm within the southern half of the site.</p>
Project dates	13 to 24 November 2017
Project type	Field evaluation
Previous work	none
Future work	Unknown
PROJECT LOCATION	
Site Location	Fairways Farm, Bucknalls Lane, Garston, Hertfordshire
Study area (M ² /ha)	3.35ha
Site co-ordinates	512066, 201464
PROJECT CREATORS	
Name of organisation	Cotswold Archaeology
Project Brief originator	N/A
Project Design (WSI) originator	Cotswold Archaeology
Project Manager	Ray Kennedy
Project Supervisor	Jeremy Clutterbuck
MONUMENT TYPE	
None	
SIGNIFICANT FINDS	
None	
PROJECT ARCHIVES	
Intended final location of archive (museum/Accession no.)	Content (e.g. pottery, animal bone etc)
Watford Museum	
Physical	ceramics, animal bone
Paper	Context sheets, matrices
Digital	Database, digital photos
BIBLIOGRAPHY	
CA (Cotswold Archaeology) 2017 Fairways Farm, Bucknalls Lane, Garston, Hertfordshire: Archaeological Evaluation. CA typescript report 17721	



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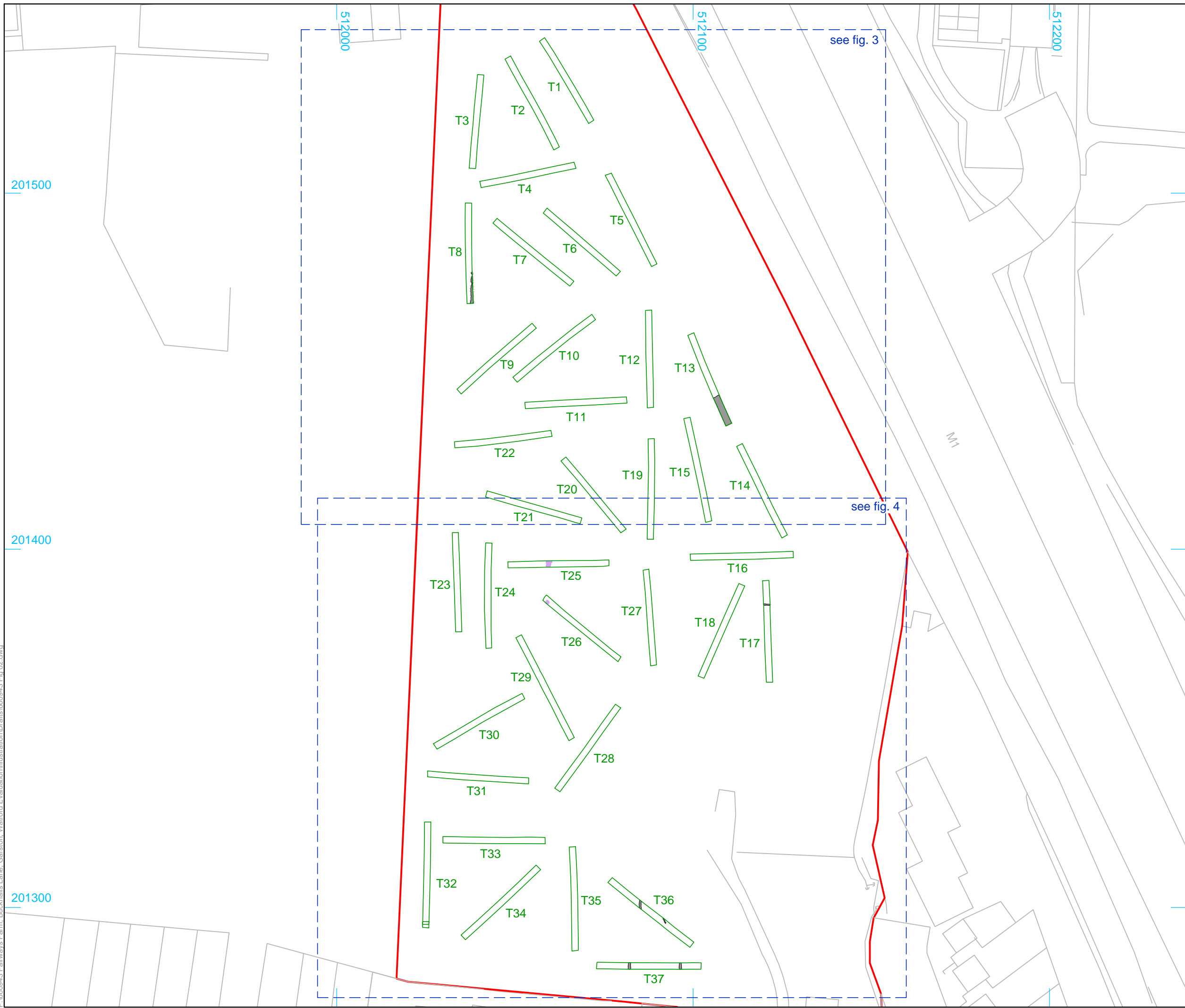
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PROJECT TITLE
 Fairways Farm, Bucknalls Lane, Garston,
 Watford

FIGURE TITLE
 Site location plan

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	14/12/2017	
APPROVED BY	RK	SCALE@A4	1:25,000	1

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- site boundary
- evaluation trench
- archaeological feature
- geology



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PROJECT TITLE
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FIGURE TITLE
Trench location plan

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	13/12/2017	2
APPROVED BY	RK	SCALE@A3	1:1,000	

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- site boundary
- evaluation trench
- archaeological feature (excavated/unexcavated)
- ⓐ ↗ ⓑ ↘ section location



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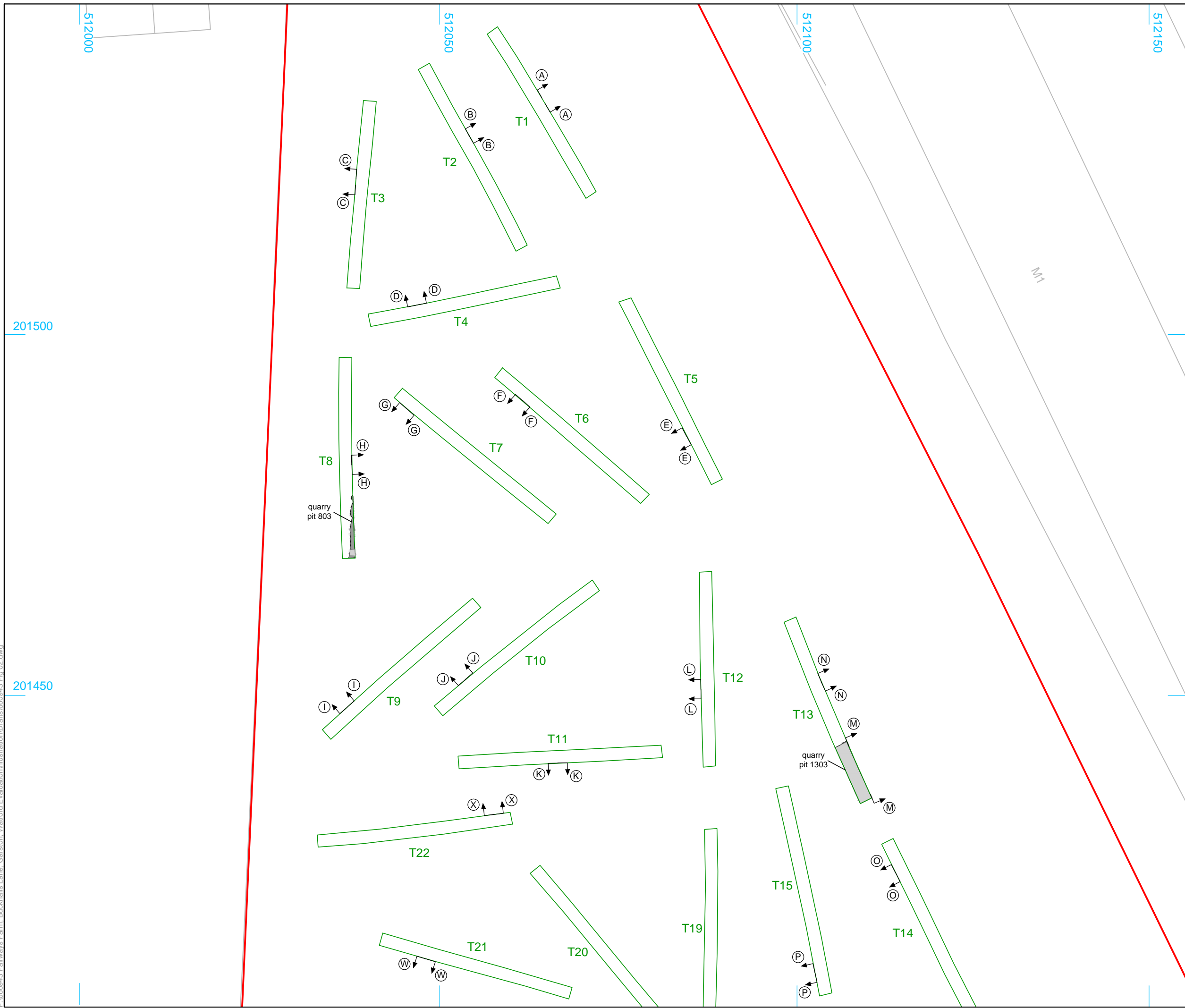
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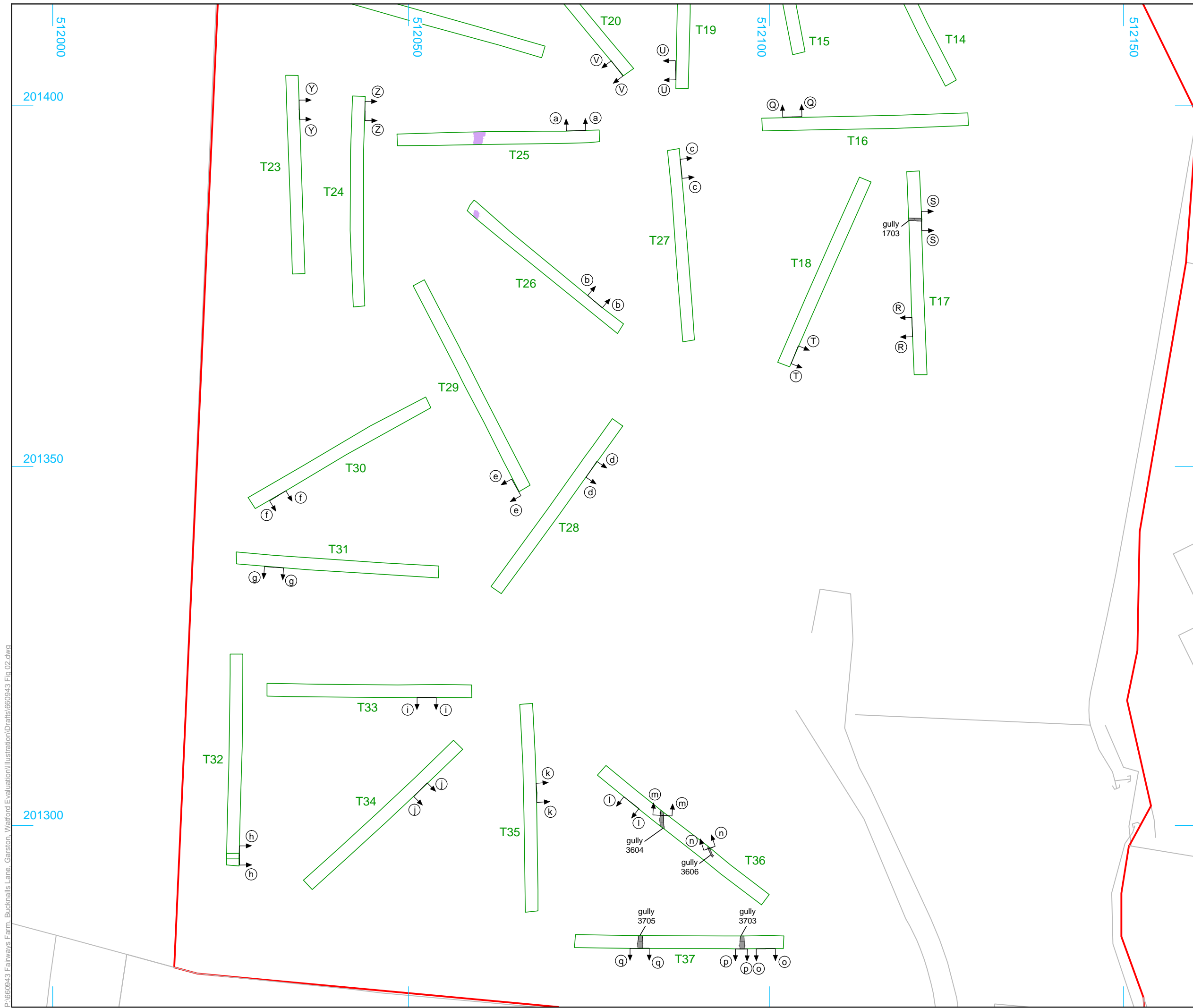
PROJECT TITLE
Fairways Farm, Bucknalls Lane, Garston, Watford

FIGURE TITLE
Trench location plan, trenches 1-15 and 19-22

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	13/12/2017	3
APPROVED BY	RK	SCALE@A3	1:500	



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- site boundary
- evaluation trench/sondage
- archaeological feature (excavated/unexcavated)
- geology
- section location



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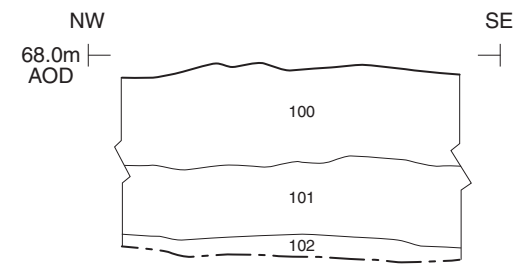
PROJECT TITLE
Fairways Farm, Bucknalls Lane, Garston, Watford

FIGURE TITLE
Trench location plan, trenches 14-20 and 23-37

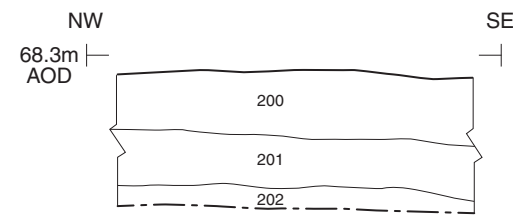
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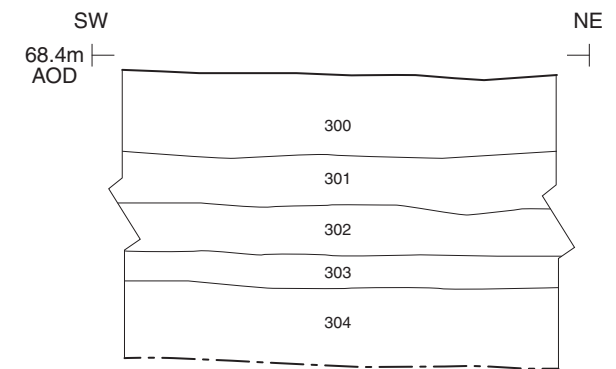
Section AA



Section BB



Section CC



Trench 1, looking south-east (scales 1m)



Trench 2, looking south-east (scales 1m)



Trench 3, looking north-east (scales 1m)

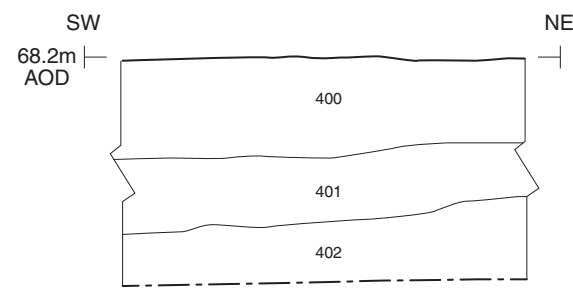

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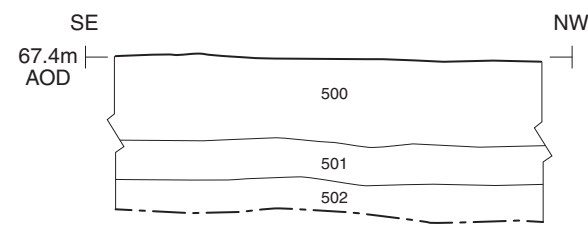
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**Trenches 1-3: sections and
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APPROVED BY	RK	SCALE@A3	1:20	

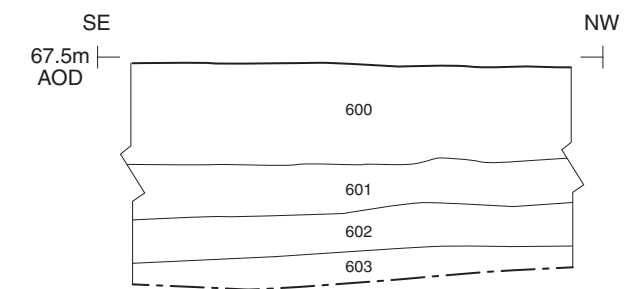
Section DD



Section EE



Section FF



Trench 4, looking north-east (scales 1m)



Trench 5, looking north-west (scales 1m)



Trench 3, looking south-east (scales 1m)

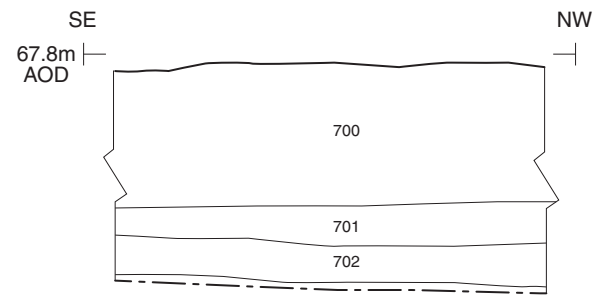

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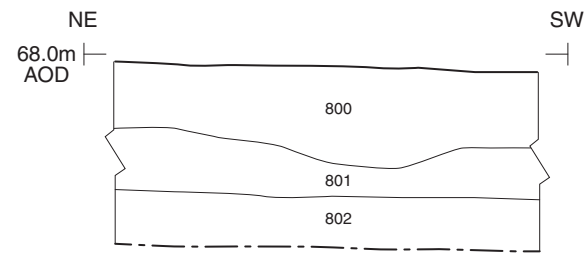
FIGURE TITLE
Trenches 4-6: sections and photographs

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APPROVED BY	RK	SCALE@A3	1:20	

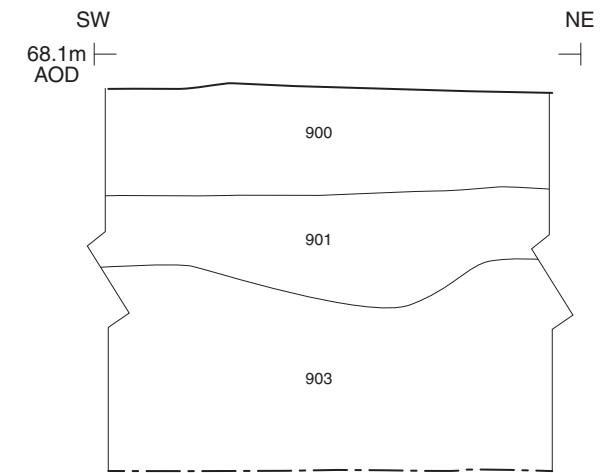
Section GG



Section HH



Section II



Trench 7, looking south-east (scales 1m)



Trench 8, looking south-west (scales 1m)



Trench 9, looking north-east (scales 1m)

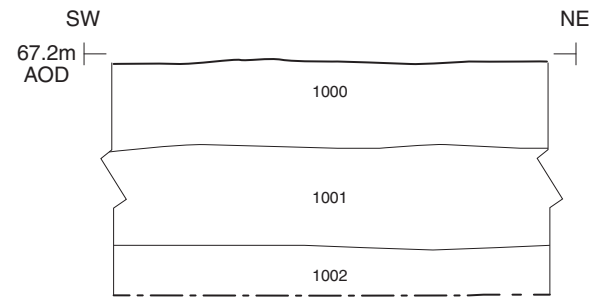

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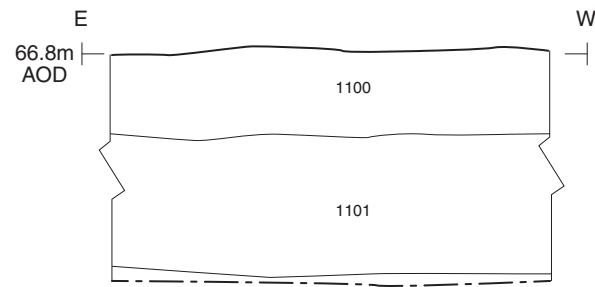
FIGURE TITLE
**Trenches 7-9: sections and
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APPROVED BY	RK	SCALE	@A3 1:20	

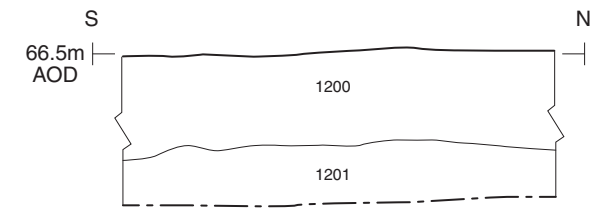
Section JJ



Section KK



Section LL



Trench 10, looking north-east



Trench 11, looking south-west (scales 1m)



Trench 12, looking north-east (scales 1m)

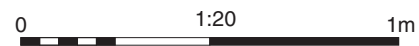
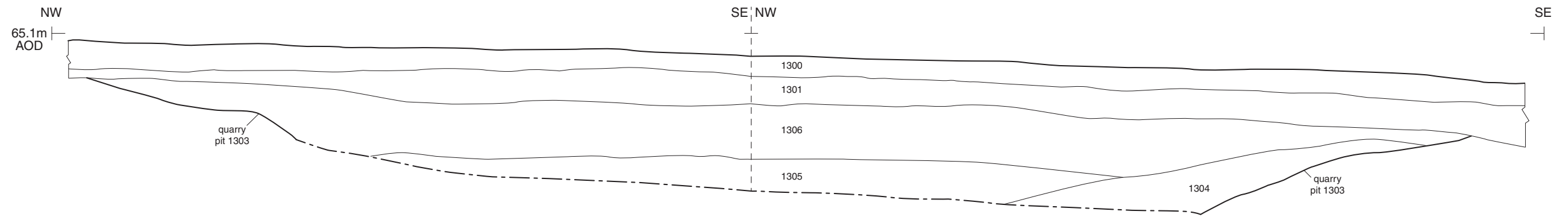

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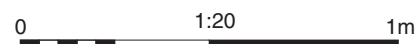
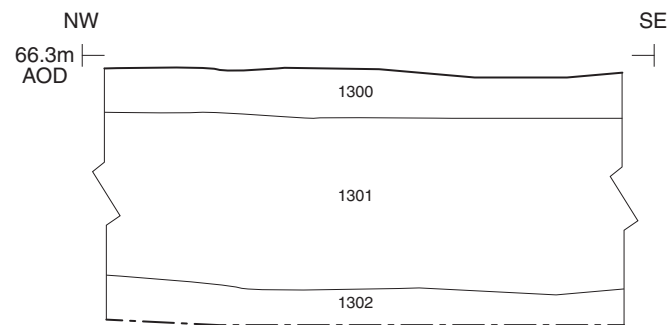
FIGURE TITLE
Trenches 10-12: sections and photographs

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	13/12/2017	8
APPROVED BY	RK	SCALE@A3	1:20	

Section MM



Section NN



Trench 13 looking south-east (scales 1m)



Trench 13, quarry pit 1303, looking north-west (scale 2m)

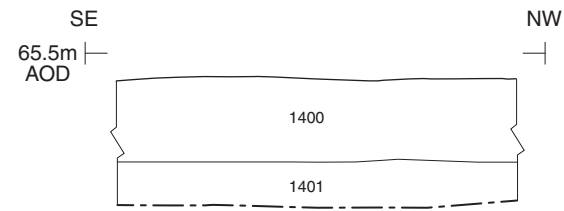

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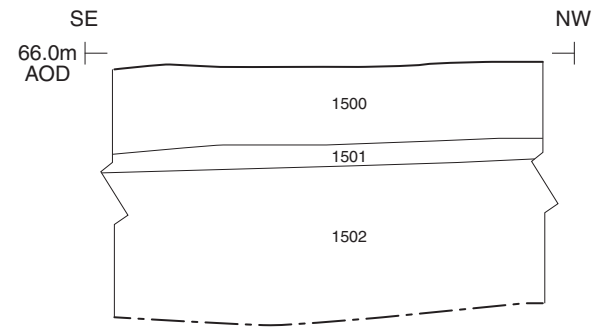
FIGURE TITLE
Trench 13: sections and photographs

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	13/12/2017	9
APPROVED BY	RK	SCALE@A3	1:20	

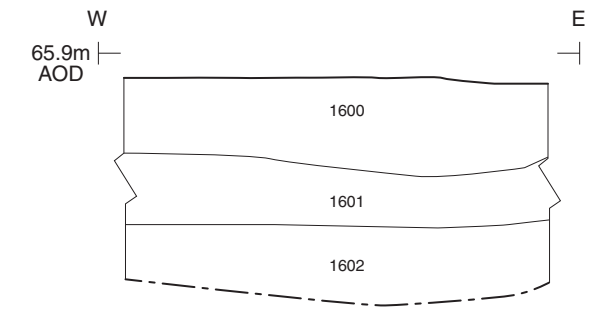
Section OO



Section PP



Section QQ



Trench 14, looking south-east (scales 1m)



Trench 15, looking north (scales 1m)



Trench 16 looking east (scales 1m)

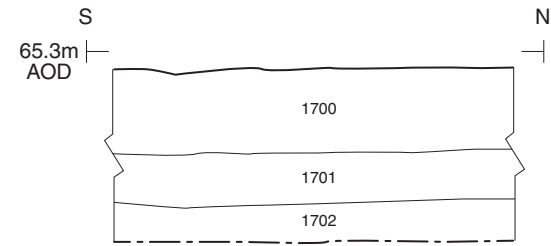

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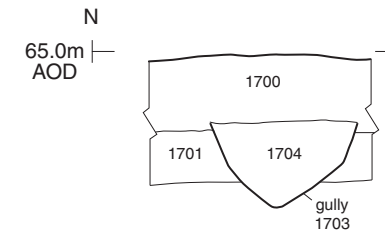
FIGURE TITLE
**Trenches 14-16: sections and
 photographs**

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	13/12/2017	10
APPROVED BY	RK	SCALE@A3	1:20	

Section RR



Section SS



Trench 17, looking north (scales 1m)



Gully 1703, looking east (scale 0.4m)

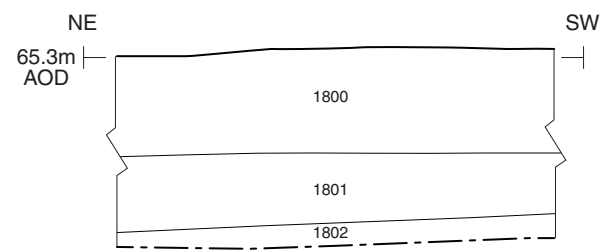

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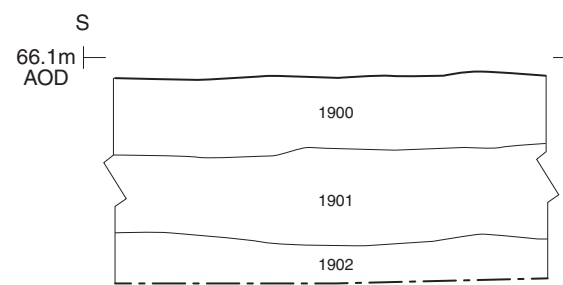
FIGURE TITLE
Trench 17: sections and photographs

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	14/12/2017	11
APPROVED BY	RK	SCALE@A3	1:20	

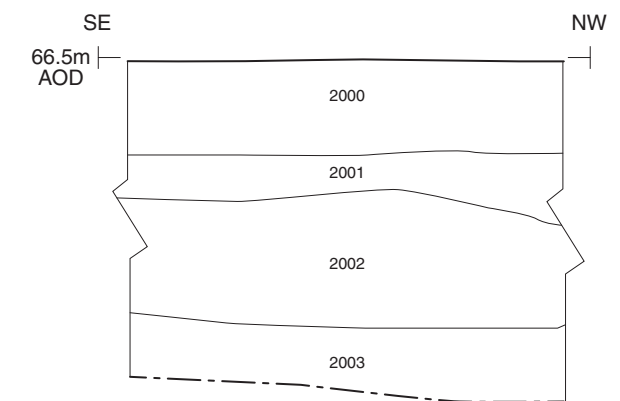
Section TT



Section UU



Section VV



Trench 18, looking north-east (scales 1m)



Trench 19, looking north (scales 1m)



Trench 20, looking north-west (scales 1m)

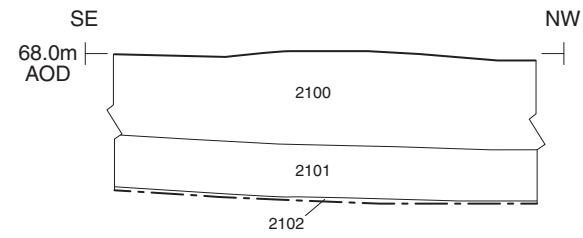

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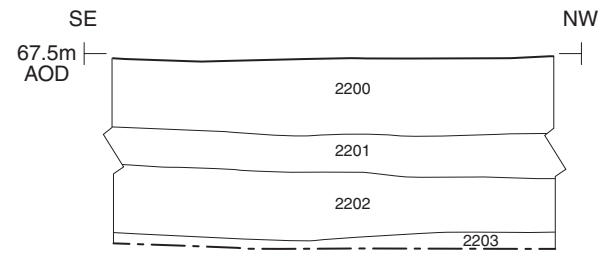
FIGURE TITLE
**Trenches 18-20: sections and
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DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	13/12/2017	12
APPROVED BY	RK	SCALE@A3	1:20	

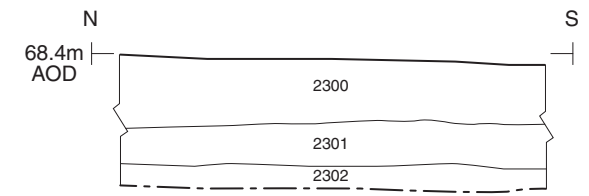
Section WW



Section XX



Section YY



Trench 21, looking south-east (scales 1m)



Trench 22, looking west (scales 1m)



Trench 23, looking south (scales 1m)

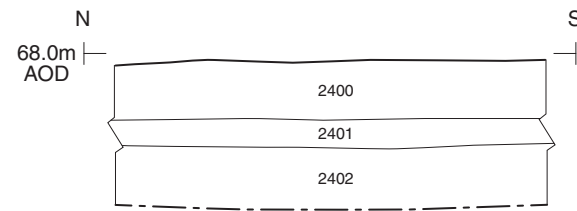

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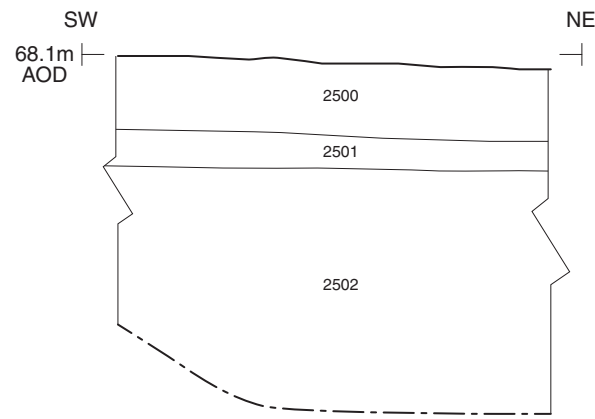
FIGURE TITLE
**Trenches 21-23: sections and
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APPROVED BY	RK	SCALE@A3	1:20	

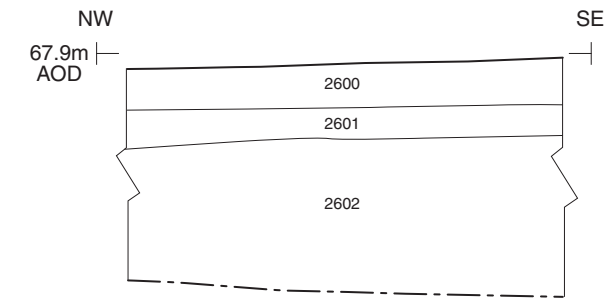
Section ZZ



Section aa



Section bb



Trench 24, looking south-west (scales 1m)



Trench 25, looking north-west (scales 1m)



Trench 26, looking north-west (scales 1m)

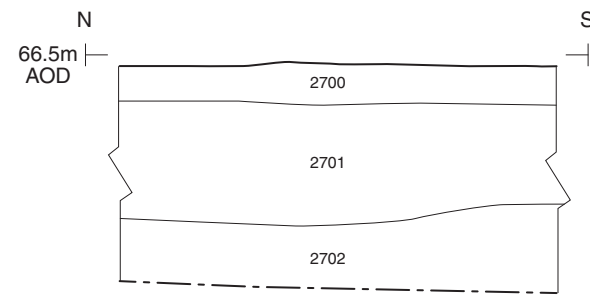

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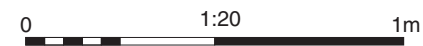
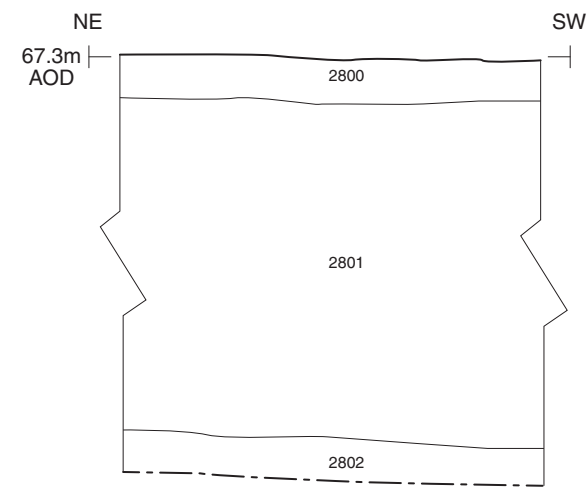
FIGURE TITLE
**Trenches 24-26: sections and
 photographs**

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	13/12/2017	14
APPROVED BY	RK	SCALE@A3	1:20	

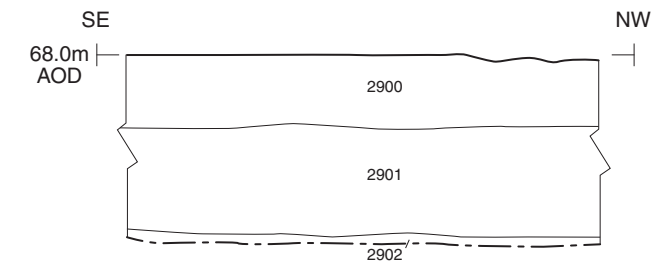
Section cc



Section dd



Section ee



Trench 27, looking south (scales 1m)



Trench 28, looking north-east (scales 1m)



Trench 29, looking south-east (scales 1m)

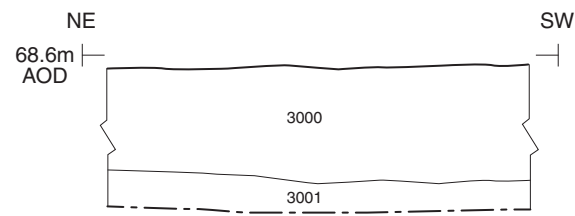

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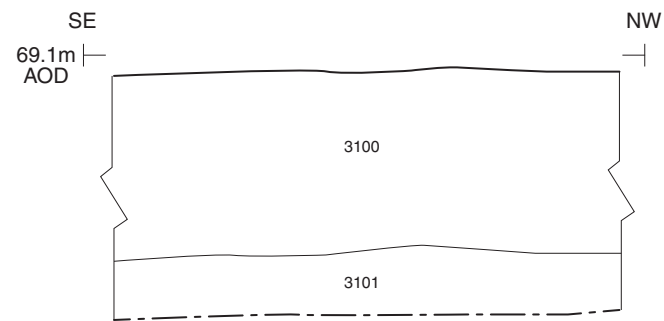
FIGURE TITLE
**Trenches 27-29: sections and
 photographs**

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CHECKED BY	AO	DATE	14/12/2017	15
APPROVED BY	RK	SCALE@A3	1:20	

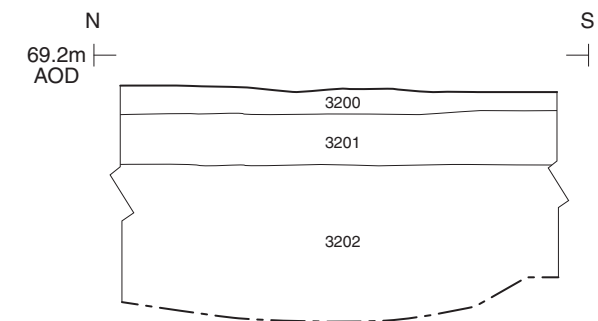
Section ff



Section gg



Section hh



Trench 30, looking north-east (scales 1m)



Trench 31, looking south-east (scales 1m)



Trench 32, looking north (scales 1m)

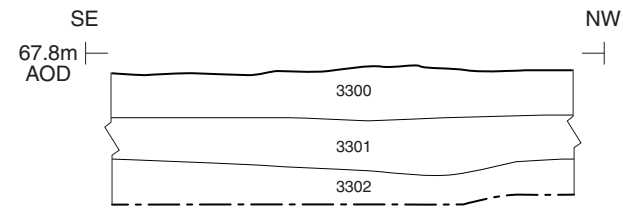

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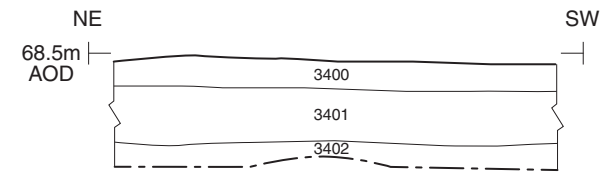
FIGURE TITLE
**Trenches 30-32: sections and
 photographs**

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	14/12/2017	16
APPROVED BY	RK	SCALE@A3	1:20	

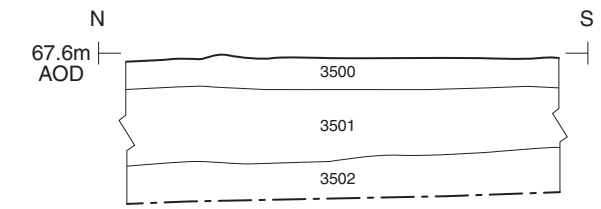
Section ii



Section jj



Section kk



Trench 33, looking north-west (scales 1m)



Trench 34, looking south-west (scales 1m)



Trench 35, looking south (scales 1m)

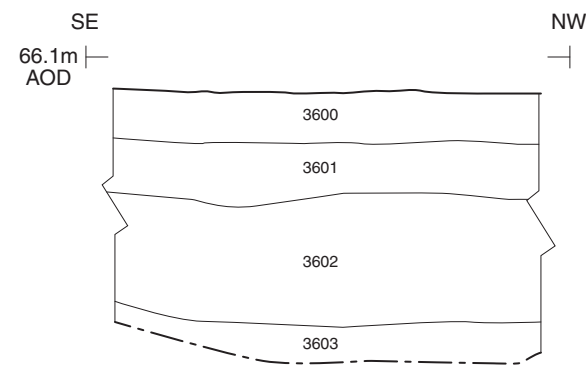

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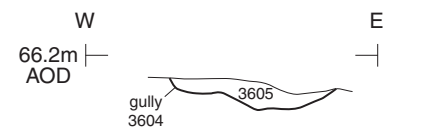
FIGURE TITLE
Trenches 33-35: sections and photographs

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	14/12/2017	
APPROVED BY	RK	SCALE@A3	1:20	17

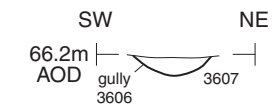
Section ll



Section mm



Section nn



Trench 36, looking north-west (scales 1m)



Gully 3604, looking north-west (scale 0.2m)



Gully 3606, looking north-west (scale 0.2m)

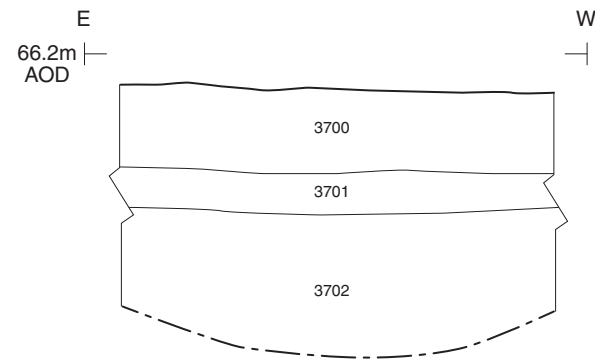

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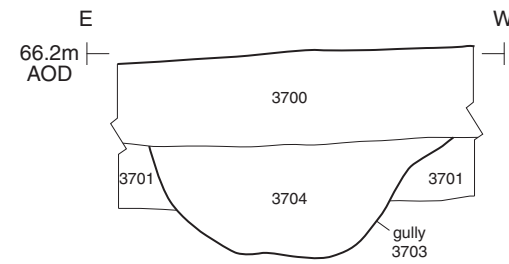
FIGURE TITLE
Trench 36: sections and photographs

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	14/12/2017	18
APPROVED BY	RK	SCALE@A3	1:20	

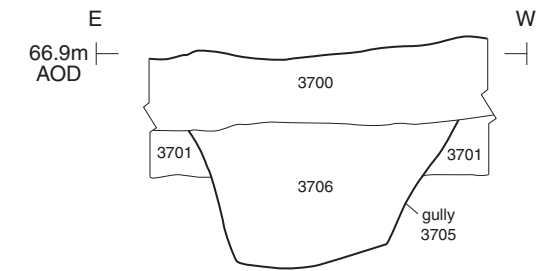
Section oo



Section pp



Section qq



Trench 37, looking west (scales 1m)



Gully 3703, looking south (scale 1m)



Gully 3705, looking south (scale 1m)


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FIGURE TITLE
Trench 37: sections and photographs

DRAWN BY	CP	PROJECT NO.	660943	FIGURE NO.
CHECKED BY	AO	DATE	14/12/2017	19
APPROVED BY	RK	SCALE@A3	1:20	

APPENDIX

HERTFORDSHIRE HISTORIC ENVIRONMENT RECORD SUMMARY SHEET

Site name and address: Fairways Farm, Bucknalls Lane, Garston, Hertfordshire		
County: Hertfordshire	District: 3 Rivers District Council	
Village/Town: Garston	Parish:	
Planning application reference: Application pending		
HER Enquiry reference: N/A		
Funding source: Private		
Nature of application: proposed development of the site.		
Present land use: Agricultural		
Size of application area: 3.35ha	Size of area investigated: 2,000m ²	
NGR (to 8 figures minimum): 512066, 201464		
Site code (if applicable): FFG17		
Site director/Organization: Jeremy Clutterbuck/Cotswold Archaeology		
Type of work: Archaeological Evaluation		
Date of work:	Start:13-November 2017	Finish: 24-November 2017
Location of finds & site archive/Curating museum: Archive is currently in Cotswold Archaeology's Andover Office, but will be deposited with Watford Museum		
Related HER Nos: N/A	Periods represented: Neolithic, Bronze Age, Roman, Modern	
Relevant previous summaries/reports CgMs, 2016, Fairways Farm, Bucknalls Lane, Garston, Watford, Hertfordshire, Archaeological Desk Based Assessment		
Summary of fieldwork results: An archaeological evaluation was undertaken by Cotswold Archaeology in November 2017 at Fairways Farm, Bucknalls Lane, Garston, Hertfordshire. Thirty seven trenches were excavated. The results of the evaluation confirmed the conclusion of the archaeological background that there was limited potential for archaeological remains within the site. A number of worked flints were recovered from the topsoil and subsoil during the course of the evaluation but these were residual in nature and are likely to be evidence of transient seasonal activity rather than settlement within the site. Evidence of possible Roman quarrying was also noted. Where features were recorded, within Trenches 17, 36 and 37, these consisted of small modern drainage gullies which are likely to have been associated with the farm within the southern half of the site.		

Author of summary: Ray Kennedy	Date of summary:18/12/17

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