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Trinity Farm, Knottingley, West Yorkshire Archaeological Evaluation Report

Prepared for Prospect Archaeology on behalf of Caddick Developments Ltd

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Archaeological Evaluation at Trinity Farm, Knottingley, Wakefield

Evaluation Report

Client: Prospect Archaeology on behalf of Caddick Developments

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Client: Prospect Archaeology on behalf of Caddick Developments
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Trinity Farm, Knottingley, West Yorkshire

Archaeological Evaluation

Headland Archaeology (UK) Ltd conducted a trial trench archaeological evaluation on land at Trinity Farm, Knottingley, West Yorkshire, in response to a condition placed on planning permission for the construction of a distribution warehouse and employment development (Planning Ref: 15/00627/HYB). Trial trenching revealed no archaeological remains across the majority of the site. One enclosure was identified, alongside an undated trackway and field boundary. These may relate to Iron Age / Romano-British agricultural activity. Two post-medieval field boundaries were also identified. The results from the trial trenching evaluation supported those from the geophysical survey.

1. INTRODUCTION

1.1 Planning Background

- 1.1.1 Wakefield District Council have granted planning permission for two phases of development on land at Trinity Farm, Knottingley: the construction of a distribution building and ancillary structures (Phase 1), and additional undefined employment development (Phase 2) (Planning Ref: 15/00627/HYB). Two conditions relating to the two phases of development (Conditions 28 and 58) were placed on this planning permission requiring a programme of archaeological investigation and recording, in accordance with policy D17 of the Council's Local Development Framework Policies Document and the guidance within the NPPF.
- 1.1.2 West Yorkshire Archaeological Advisory Service (WYAAS), the archaeological advisors to Wakefield District Council, produced a Specification outlining the required archaeological work: a trial trenching evaluation (WYAAS 2015). Prospect Archaeology, on behalf of Caddick Developments Ltd, commissioned Headland Archaeology (UK) Ltd to carry out the trial trenching evaluation and produce a report on the results. All evaluative works were carried out with the agreement of WYAAS.
- 1.1.3 This evaluation has been carried out in order to assess the extent, nature and survival of archaeological features within those parts of the site where intrusive development will take place. The results will allow WYAAS to determine the significance of any archaeological remains within the DA, and the impact of the proposed development on the archaeological resource. Decisions on the type and scope of mitigation measures (if required by WYAAS) will be based on the results of field evaluation.

1.2 Site Description

- 1.2.1 The site, henceforth referred to as the DA, is located to the east of Pontefract and southwest of Knottingley, positioned between the A1(M) to the west, the A162 to the east, and the M62 to the north. It is centred at NGR SE 4802 1170.
- 1.2.2 The DA currently consists of three fields, divided by the north-south access road and the east-west Grove Hall Lane. It is mainly under arable cultivation (wheat), with farm, commercial, and domestic buildings on its eastern side. It covers an area of c.25.3ha.
- 1.2.3 The DA is positioned on high ground above the surrounding roads. It lies at approximately 45mOD, with the land dropping to the northeast and south.
- 1.2.4 The solid geology of the DA comprises dolomitised limestone and Permian rocks comprising mudstones, siltstone, and sandstone (in the eastern part of the site). Diamicton Till deposits overlaid the Permian rocks in the eastern part of the site.

1.3 Archaeological Background

- 1.3.1 The DA lies within a landscape known to have significant prehistoric remains. Ferrybridge Henge (Scheduled Monument: 1005789), a Neolithic henge, is positioned c.1.5km to the north of the DA, and is thought to have retained its significance during the Bronze and Iron Age. Bronze Age remains were also identified at Holmfield Interchange (PRN7796), 1km to the northwest of the DA. An Iron Age square barrow at Fryston Park (PRN982), 2.5km to the north of the DA, remained in use into the Roman period.
- 1.3.2 Aerial photography of the area surrounding the DA has identified a late Iron Age and Romano-British landscape, including fields, trackways, and settlements. This includes a 40m square enclosure to the west of the A1 and south of Grove Hall Lane (PRN5570); and field and track boundaries to the north and west of the DA (PRN5777 and PRN990). Two short lengths of undated ditch are known from aerial photography to lie within the DA.
- 1.3.3 Little is known about the DA in the medieval and post-medieval periods. The DA is positioned on the edge of the three medieval townships of Ferry Fryston, Darrington, and Knottingley, and so is likely to have been open land in use for agriculture. Historic mapping from the mid 19th century (1852-3 OS Map) shows the DA as consisting of a number of agricultural fields, with Grove Hall Lane running across the DA and the A162 to the east. The buildings at Trinity Farm were constructed between 1965 and 1968. The M62 was then constructed between 1972 and 1975; and the A1(M) constructed in the early 21st century. The layout of the fields within the DA had simplified to its current format by 1982.
- 1.3.4 A geophysical survey has been undertaken across the DA, and revealed few archaeological remains (GSB Prospection Ltd, 2015). Anomalies relating to ploughing and drainage were detected, alongside the corner of a possible enclosure, pit-like anomalies and possible trackways (including that identified on aerial photography).

2 METHODOLOGY

2.1 Objectives

- 2.1.1 The general aim of the trenching evaluation was to obtain useful information concerning the presence, character, date, status and level of preservation of surviving archaeological remains. It also allows the curatorial authority to determine the impact of the proposed development on the archaeological resource, and to discuss the necessity for the preservation by record and/or the possibilities which may exist to preserve certain areas of archaeological remains *in-situ* if appropriate and thus determine their significance.
- 2.1.1 The archaeological investigations were carried out in order to:
- assess extent, layout, structure and date of features and deposits of archaeological interest;
 - place, where possible, the identified features within their local and regional context;
 - place the findings in the context of the results of earlier work in the surrounding area.
- 2.1.2 The local and regional research contexts are provided in *The Neolithic, Bronze Age, and Iron Age in West Yorkshire* (WYAAS 2008); *The Iron Age and Romano-British Periods in West Yorkshire* (WYAAS 2009); and *Archaeology from the End of the Roman Period to the Norman Conquest* (WYAAS2005). Specific questions from these frameworks will be analysed in relation to the evidence recovered from the evaluation, but may include:
- To what extent is there an earlier Neolithic in West Yorkshire? Is the middle and

- later Neolithic absent from west West Yorkshire? (WYAAS 2008, 9)
- Where is the later Bronze Age settlement in West Yorkshire? (WYAAS 2008, 13)
- Evaluation excavations which produce evidence of probably early pre-Roman Iron Age date should be extended to encompass an adequate structural, artefactual and ecofactual sample and these results should be fully analysed (WYAAS 2008, 23)
- The sequence of enclosure history extending from segmented ditches through pit alignments to gullies and ditches needs to be tested; Strategies for the excavation of linear features need to be reviewed: enclosures, droveways and fields appear to have been accorded different depositional patterns while attention may have focused on particular locations, for example junctions and entrances (WYAAS 2008, 34)
- The purpose of most Iron Age and Romano-British fields is not yet known, and the concomitant extent of pasture or arable regimes. Were some enclosures and fields inhabited or utilised year-round, and others seasonally or even more episodically? (WYAAS 2009, 21)

2.2 Methodology

- 2.2.1 Trial trenching was carried out between the 29th June and 16th July 2015. A total of fifty trenches were excavated across the DA, all measuring 50m in length by 4m in width.
- 2.2.1 The methodology underlying of the archaeological trial trenching programme was outlined in WYAAS' Specification. The trench layout was designed to evaluate the DA using a systematic trenching array, with the trenches spread evenly across the DA.
- 2.2.2 Two tracked mechanical excavators equipped with a toothless bucket were used to remove topsoil under direct archaeological control. Excavation continued until clean geological sediments or archaeological deposits were encountered.
- 2.2.3 Further excavation required to satisfy the objectives of the evaluation was continued by hand. A representative sample, sufficient to meet the objectives of the evaluation, of identified features was investigated by hand and all features were recorded. The stratigraphy of each trench was recorded in full.

2.3 Recording

- 2.3.1 All recording was in accordance with the code of practice of the Chartered Institute for Archaeologists (CIfA) and in line with WYAAS' Specification. All trenches and contexts were given unique numbers. All recording was undertaken on *pro forma* record cards that conform to accepted archaeological standards. All stratigraphic relationships were recorded.
- 2.3.2 An overall site plan at an appropriate scale and relative to the National Grid was recorded by digital survey using a differential GPS.
- 2.3.3 A full photographic record comprising digital photography was taken. A metric scale was clearly visible in record photographs.

3 RESULTS

3.1 Introduction

- 3.1.1 Full trench descriptions, including orientation, length, and depth are presented in Appendix I. Technical details of individual contexts are presented in Appendix II. Contexts are numbered by trench number: i.e. Trench 1 (101), Trench 2 (201). Cut features are shown as [101] whilst their fills are expressed as (102), for example.

- 3.1.2 Undisturbed natural deposits generally comprised a compact grey brown silty / sandy clay with frequent limestone inclusions and patches of mottled yellow, cream, and brown sands. Areas of solid crumbly limestone were also observed. This was observed between 0.29m and 0.86m beneath the present ground-surface, generally around 0.35m and 0.5m beneath the ground-surface. It was observed at deeper depths along the north-eastern part of the DA, particularly in Trench 15.
- 3.1.3 The topsoil was observed across the entire DA. This comprised a grey brown sandy clay with occasional charcoal flecks and small stones. Occasional finds of modern debris were recovered from the topsoil deposit, particularly in Trenches 33 and 34 close to the existing farmyard. Finds recovered from the topsoil included numerous pieces of modern pottery, metal finds (nails, horseshoes, etc), and ceramic building material.
- 3.1.4 Underlying the topsoil was a yellow brown sandy clay with occasional limestone inclusions. This was generally between 0.1m and 0.25m in thickness. Thicker deposits of subsoil, up to 0.5m in thickness, were observed in Trench 15. Finds recovered from the subsoil include ceramic and glass.
- 3.1.4 The stratigraphy of the majority of the trenches across the DA simply consisted of topsoil over subsoil over natural, with no archaeological finds, features, or deposits. The only exceptions to this were Trench 13, where the corner of an enclosure was identified; Trench 6, which contained two parallel ditches; Trench 2, where a single ditch was identified, and Trenches 16 and 24 where post-medieval field boundaries were identified.

3.2 Probable enclosure

Two ditches were excavated towards the southern end of Trench 13: [1305] and [1310]. They connected up, forming a right angle and the probable corner of an enclosure. Ditch [1305] ran east-west across the trench (a distance of 4m), and was 1.9m wide and 0.71m deep. Ditch [1310] ran north-south for 9.3m (continuing beyond the southern end of the trench) and measured 1.66m in width by 0.69m in depth. Both ditches had steep sides and a flat base.

They contained a single compact orange grey brown silty / sandy clay, with occasional small stones and charcoal flecks. Ditch [1310] contained a single scrap of Romano-British pottery, and ditch [1305] contained a flint flake and chip of prehistoric date. Small fragments of animal bone were also noted and recovered from these ditches, and may suggest that the enclosure was involved in animal management in some way.

Two post-holes were also recorded in association with these ditches. Post-hole [1307] was positioned on the southern side of ditch [1305], and post-hole [1312] was to the north of ditch [1305]. Both post-holes were sub-circular and undated. They were on a line with each-other and so are thought to be related. Their positioning close to the enclosure ditches suggests they may be associated with the enclosure in some way, potentially forming fence-lines either side of the enclosure ditch.

These two ditches were identified on the geophysical survey as the corner of an enclosure. The ditches are shown on the geophysical survey as continuing to the south and west, with a possible return along the southern side. No western side to the enclosure was identified by the geophysical survey. Short stretches of ditch or large pits were identified on the survey within the area of the enclosure.

It seems most probable that these ditches formed the corner of an animal enclosure. This is supported by the lack of finds to indicate domestic or occupation activity, and the presence of animal bone within the ditch fills. The presence of a single sherd of 3rd century pottery from the topsoil of Trench 13, alongside the small scrap of Romano-British pottery from the ditch fill of [1310], suggests that it may date from the Romano-

British period. This seems relatively likely based on the Late Iron Age and Romano-British landscape identified via aerial photographs in this general area.

3.3 Undated trackway

Two parallel NE-SW aligned ditches in Trench 6, [604] and [607], were investigated. These ditches were identified in the geophysical survey, and were thought to have been part of the trackway identified on OS mapping. However, further map regression has proved that these ditches lie to the north of those on OS mapping.

Ditch [604] measured 0.6m in width by 0.06m in depth. It had gently-sloping sides and a flat base, with a single firm brown clay fill with limestone inclusions. No finds were recovered from this ditch.

Ditch [607] measured 1.73m in width by 0.77m in depth. It had slightly concave sides and a shallow concave base. It contained two fills – (606), the primary (silting) fill, was a firm orange brown sandy silt with abundant limestone inclusions; and (607), the secondary fill, was also an orange brown sandy silt with frequent mollusc shells. No finds were retrieved from this ditch.

Although these two ditches have different profiles, the fact they are parallel to each other suggests they may be related. They may have functioned as a trackway, or a field boundary and adjacent drainage ditch. They are not shown on any historic maps, and so pre-date 1850 and may be Iron Age / Romano-British or medieval in date.

3.4 Undated field boundary

One ditch was investigated in Trench 2: [203]. This was aligned east-west, and measured 1.05m in width by 0.38m in depth. It was U-shaped and contained a single firm grey brown clay fill with occasional medium stones. No datable finds were retrieved from this ditch – the only finds were a few fragments of animal bone.

This ditch is not shown on any historic maps, demonstrating that it pre-dates 1850 and the post-medieval field layout. It may be a field boundary relating to earlier (potentially medieval or even Iron Age / Romano-British) activity,

3.5 Post-medieval field boundaries

The two ditches in Trenches 16 and 24, [1604] and [2404], are identifiable as field boundaries on post-medieval mapping.

Ditch [1604] was aligned N-S and measured 0.6m in width by 0.08m in depth. It had steep sides and a flat base, and contained a single dark grey brown silty clay fill with occasional small stones. No finds were recovered from this ditch. It is identifiable on historic maps from the 1854 OS Map up to the 1968 OS Map, but had disappeared by the time of the 1975 OS Map (when the M62 and roundabout to the north of the site were constructed). It is shown on these OS Maps as part of the south-western boundary to a small field on the western side of the A162.

Ditch [2404] was aligned northeast-southwest, and measured 1.22m in width by 0.55m in width. It had steep sides and an irregular base, and contained a single dark brown grey silty clay fill with moderate large stones and occasional charcoal fragments. Modern finds, including barbed wire, pottery, and an animal tooth, were recovered from this fill. This ditch is shown on OS Maps as a field boundary from the 1854 OS Map up to the 1968 OS Map but was also backfilled before 1975 (with the construction of the M62 and associated works). It was part of a field boundary separating fields to the north of Trinity Farm.

3.6 Finds Report, by Julie Franklin, Ian Rowlandson, Julie Lochrie

The finds assemblage numbered 164 sherds (767g) of pottery, 13 sherds of ceramic building materials, 11 of clay pipe, 59 metal finds, 25 sherds of glass, two finds of chipped stone and five miscellaneous finds of ceramic and stone. A handful of finds were of prehistoric and Roman date, but the vast majority of the assemblage was modern, mostly retrieved from sampling or metal-detecting topsoil. The finds are quantified by trench in Table 1. A complete catalogue of all the finds is given at the end (Appendix VI).

Trench	Pottery (Rom) Count	Pottery (Rom) Wgt	Pottery (Mod) Count	Pottery (Mod) Wgt	Lithics Count	CBM Count	Clay Pipe Count	Metal-work Count	Glass Count	Misc Count	Dating
1	-	-	8	42g	-	-	1	1	2	1	Mod
2	-	-	-	-	1	-	-	1	-	-	Meso-BA, Mod
3	-	-	7	42g	-	5	1	2	-	-	Mod
5	-	-	14	45g	-	1	1	1	1	-	Mod
6	-	-	13	33g	-	1	1	-	4	-	Mod
9	-	-	8	23g	-	-	-	-	-	-	Mod
10	-	-	12	38g	-	-	1	-	6	-	Mod
11	-	-	6	33g	-	-	1	2	2	-	Mod
12	-	-	22	65g	-	-	-	2	2	2	Mod
13	2	17g	3	28g	1	-	1	-	2	-	PH, Rom, Mod
18	-	-	9	98g	-	1	-	-	1	-	Mod
19	-	-	1	16g	-	-	-	-	-	-	Mod
21	-	-	10	81g	-	1	1	1	-	-	Mod
23	-	-	5	16g	-	1	2	-	1	-	Mod
24	-	-	2	38g	-	-	-	43	-	1	Mod
26	-	-	6	19g	-	3	-	-	-	-	Mod
30	-	-	2	4g	-	-	1	-	1	-	Mod
33	-	-	8	26g	-	-	-	-	-	-	Mod
34	-	-	22	91g	-	-	-	5	2	1	Mod
43	-	-	4	12g	-	-	-	1	1	-	Mod
Total	2	17g	162	750g	2	13	11	59	25	5	

Table 1 – Quantification of finds by trench, with spot dating

Roman Pottery

Two sherds (17g) of pottery were of Roman date, both found in Trench 13. The first was a fragment from a deep bowl with no neck in a South Yorkshire grey ware (Buckland et al 1980, Fig.4.29), found in the topsoil (1300). It can be dated to the 3rd century. A tiny scrap of a similar fabric, also of possible Roman date was found in ditch [1310] (1309). This sherd is too small and isolated to date the ditch with any certainty, however the presence of another Roman sherd nearby certainly suggests activity in the vicinity during this period.

Assemblages of Roman pottery from West Yorkshire are often small, fragmentary and heavily abraded with many vessels of fabric types that were brought upstream from production sites further east. It is likely that the inhabitants of the site made limited use of pottery. Vessels such as those from this site may have moved west as a make weight on boats moving up river picking up querns or building stone.

Modern Pottery

The modern pottery assemblage numbers 162 sherds (750g). Sherds are typically small and abraded and probably introduced as part of midden material, to help fertilise and break up the soil. Types present are predominantly whitewares, some

transfer printed, sponge-printed, banded slipwares. There are also sherds of red earthenware, some glazed black or slip lined and glazed yellow. There are also sherds of stoneware bottles and plain porcelain sherds and a few sherds of creamware. In short it is a typical assemblage of 19th century domestic table and kitchen wares. Deposition may have begun as early as the late 18th century and continued into the 20th century.

Chipped Stone

Two finds of chipped flint were found. The first was found in the Trench 2 topsoil (200), a tool made on an overshot hard hammer blade. It is likely to date between the Mesolithic and Bronze Age. A flake and chip found in ditch [1305] (1306) are less distinctive but are likely to be prehistoric in date. Again, these finds are too small and isolated to date the ditch.

Other Modern Finds

The remaining finds are all of modern or probable modern date. Finds include 13 sherds (333g) of ceramic building materials, 11 sherds (20g) of clay pipe, two copper alloy finds, 57 iron finds, 25 sherds (206g) of glass, three ceramic finds and two of stone. The finds represent typical domestic and building waste of the 19th century, including bricks, chimney sherds, roof tiles, clay pipe sherds, bottle and window glass and a spoon. Other finds point towards the agricultural use of the land including fragments of field drain, horseshoes, bolts and wire. Possibly the most unusual find was a small black button apparently made of stone (3400). Three finds of ceramic kiln props (2403) (1200) indicate that waste from industrial pottery kilns was among the debris spread over the fields. There were potteries in Leeds and Castleford in the 19th century and it is not uncommon for industrial debris such as this to be utilised in this way. This may well be the source of some of the pottery sherds.

Discussion

The finds assemblage hints at activity in the area in the prehistoric and Roman periods and may indicate possible dating for ditches [1305] (1306) and [1310] (1309). Possibly from the late 18th century and certainly by the 19th century there is evidence for attempts at land improvement for agricultural purposes, mainly in terms of manuring. Most of the finds were found in the topsoil, a few in the subsoil. The only stratified modern finds were found in ditch [2404] (2403) and included iron wire (probably deriving from fencing), two sherds of pottery and a ceramic kiln prop. They suggest a probable 19th century date for the fill of this ditch.

3.7 Environmental Report, Laura Bailey and Tim Holden

Introduction

Four forty litre samples taken during archaeological works at Trinity Farm, Wakefield, were received for palaeoenvironmental assessment. The samples were taken from the fills of ditches. The aims of the assessment were to assess the presence, preservation and abundance of any environmental remains in the samples and to characterize the assemblage as far as possible.

Methodology

Bulk samples were subjected to flotation and wet sieving in a Siraf-style flotation machine. The floating debris (the flot) was collected in a 250 µm sieve and, once dry, scanned using a binocular microscope. Any material remaining in the flotation tank (retent) was wet-sieved through a 1mm mesh and air-dried. All samples were scanned using a stereomicroscope at magnifications of x10 and up to x100. Identifications, where provided, were confirmed using modern reference material and seed atlases including Cappers *et al.* (2006).

Results

Results of the assessment are presented in Appendices VII (Retent samples) and VIII (Flot samples). Material suitable for AMS (Accelerated Mass Spectrometry) radiocarbon dating is shown in the tables.

Wood charcoal

A small amount of heavily fragmented, abraded, wood charcoal was present in the flots. Where possible the charcoal was identified as oak or non-oak. Only one fragment of non-oak charcoal, recovered from the fill (1309) of ditch [1310], was of a suitable size for AMS dating.

Charred plant remains

A single fat hen (*Chenopodium* sp.) seed was present in the fill (605) of Ditch [607]. Fat hen is commonly found in disturbed ground, waste places and arable land.

Molluscs

Several well-preserved shells from terrestrial molluscs were present. The largest number of shells were from the fills (605) and (606) of ditch [607]. Many retained good coloration and delicate surface detailing and were almost certainly modern intrusions.

Bone

Small, heavily fragmented bone fragments were recovered from the fill (1306) and (606) of ditches [1305] and [607].

Discussion

The environmental assemblage offers little insight into site economy.

3.8 Animal bone assessment, Laura Bailey and Tim Holden

Introduction

Hand collected animal bone recovered during archaeological works at Trinity Farm, Wakefield, was received for assessment. The bone was from deposit (2403) and Trench 202.

Results

The assemblage comprised a single cow molar and a heavily fragmented long bone. It was in a very poor state of preservation, with much erosion on the surface which prevented recording of any potential pathology or marks of butchery. The species present are listed in Table 2 below.

Context	Wt(g)	Preservation	Species present
2403	18	Poor	Cow molar
Tr 202	79	Poor	Large mammal- heavily fragmented long bone

Table 2- Animal bone assemblage

Discussion

The assemblage offered little information on site economy. No further analysis is required of this small assemblage.

3.9 Description of the significance of the heritage assets

The local and regional research contexts are provided in the various West Yorkshire Archaeological Services publications. In Section 2.1 of this document we identified research aims relating to prehistoric and Iron Age / Romano-British activity. The results of the trial trenching evaluation provided some evidence for activity in certain parts of the DA, as outlined in the below table:

Description of Heritage Asset	Trench Number	Feature Number/s	Significance of heritage asset (Low, Medium, High) and of local, regional, national, international interest
HA1: Enclosure	13	1305; 1310; 1307; 1312	Medium significance of local interest.
HA2: Undated trackway	6	604; 607	Low significance of local interest.
HA3: Undated field boundary	2	203	Low significance of local interest.
HA4: Post-medieval field boundaries	16; 24	1604; 2404	Low significance of local interest.

Table 1 – Heritage Assets recorded during intrusive evaluation

HA1 consists of the remains of an undated enclosure positioned around Trench 13. The corner of this was identified, alongside two post-holes. Part of this enclosure was identifiable on the geophysical survey. It is thought to have functioned as an animal enclosure, potentially Iron Age / Romano-British in date based on the presence of a single scrap of Romano-British pottery. It is considered to have medium significance of local interest.

HA2 and HA3 comprise the remains of an undated trackway and field boundary in Trenches 2 and 6. These are not identifiable on any historic maps, and so pre-date 1850 and the post-medieval field layout. They may relate to Iron Age / Romano-British agricultural activity. They are considered to have low significance of local interest.

HA4 consists of the remains of two post-medieval field boundaries in Trenches 16 and 24. These are identifiable on historic maps from the mid-19th century up to the second half of the 20th century. They are considered to have low significance of local interest.

4 CONCLUSIONS

The trenches across the majority of the DA revealed no evidence for archaeological activity, with the exposed stratigraphy simply comprising topsoil overlying subsoil over the natural geological deposit.

Archaeological remains comprised an enclosure in Trench 13, an undated trackway in Trench 6, and an undated field boundary in Trench 2. These may represent Iron Age / Romano-British agricultural activity in the area, based on the history of the surrounding landscape. Two post-medieval field boundaries were also identified in the eastern part of the DA.

The results from the trial trenching evaluation supported those gained in the geophysical survey. The parallel ditches in Trench 2 and enclosure in Trench 13 were identified in both the geophysical survey and the trial trenching. The only feature identified in the trial trenching but not in the geophysical survey was the ditch in Trench 2.

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Appendix I – Trench Register

Trench	Orientation	Depth	Description	Length X Width
1	E-W	0.35m	Topsoil (100) over subsoil (101) over the natural geological deposit (102). One possible tree-bowl. No archaeological features.	50m X 4m
2	N-S	0.45m	Topsoil (200) over the natural geological deposit (201). One ditch [203]. Three land drains.	50m X 4m
3	N-S	0.55m	Topsoil (300) over subsoil (301) over the natural geological deposit (302). Five land drains. No archaeological features.	50m X 4m
4	NNE-SSW	0.55m	Topsoil (400) over subsoil (401) over the natural geological deposit (402). Six land drains. No archaeological features.	50m X 4m
5	NE-SW	0.55m	Topsoil (500) over subsoil (501) over the natural geological deposit (502). One modern concrete footing and three land drains. No archaeological features.	50m X 4m
6	NW-SE	0.3m	Topsoil (600) over subsoil (601) over the natural geological deposit (602). Two parallel ditches [604] and [607]. Two land drains.	50m X 4m
7	NW-SE	0.5m	Topsoil (700) over subsoil (701) over the natural geological deposit (702). Two land drains. No archaeological features.	50m X 4m
8	NW-SE	0.65m	Topsoil (800) over subsoil (801) over the natural geological deposit (802). One land drain. No archaeological features.	50m X 4m
9	ENE-WSW	0.6m	Topsoil (900) over subsoil (901) over the natural geological deposit (902). One possible tree-bowl and one sink-hole. No archaeological features.	50m X 4m
10	N-S	0.5m	Topsoil (1000) over subsoil (1001) over the natural geological deposit (1002). Six land drains. No archaeological features.	50m X 4m
11	NE-SW	0.6m	Topsoil (1100) over subsoil (1101) over the natural geological deposit (1102). Eight land drains. No archaeological features.	50m X 4m
12	NE-SW	0.7m	Topsoil (1200) over subsoil (1201) over the natural geological deposit (1202). One land drain. No archaeological features.	50m X 4m

13	N-S	0.5m	Topsoil (1300) over subsoil (1301) over the natural geological deposit (1302). Two ditches forming the corner of a possible enclosure [1305] and [1310], with two associated post-holes [1307] and [1312]. One other ditch [1304].	50m X 4m
14	NW-SE	0.45m	Topsoil (1400) over subsoil (1401) over the natural geological deposit (1402). One land drain. No archaeological features.	50m X 4m
15	NNE-SSW	0.6m	Topsoil (1500) over subsoil (1501) over the natural geological deposit (1502). One land drain. One possible palaeo-channel. No archaeological features.	50m X 4m
16	NW-SE	0.5m	Topsoil (1600) over subsoil (1601) over the natural geological deposit (1602). Three land drains. No One field boundary at NW end, on boundary maps.	50m X 4m
17	N-S	0.5m	Topsoil (1700) over the natural geological deposit (1702). Five land drains. No archaeological features.	50m X 4m
18	E-W	0.55m	Topsoil (1800) over subsoil (1801) over the natural geological deposit (1802). Four land drains. No archaeological features.	50m X 4m
19	NW-SE	0.4m	Topsoil (1900) over subsoil (1901) over the natural geological deposit (1902). Four land drains. No archaeological features.	50m X 4m
20	N-S	0.4m	Topsoil (2000) over subsoil (2001) over the natural geological deposit (2002). One tree-bowl. Eight land drains. No archaeological features.	50m X 4m
21	N-S	0.5m	Topsoil (2100) over subsoil (2101) over the natural geological deposit (2102). Three land drains. No archaeological features.	50m X 4m
22	NW-SE	0.45m	Topsoil (2200) over subsoil (2201) over the natural geological deposit (2202). Five land drains. No archaeological features.	50m X 4m
23	NW-SE	0.55m	Topsoil (2300) over subsoil (2301) over the natural geological deposit (2302). Two land drains. No archaeological features.	50m X 4m
24	NW-SE	0.35m	Topsoil (2400) over subsoil (2401) over the natural geological deposit (2402). Five land drains. One field boundary in centre of trech, on boundary maps.	50m X 4m
25	NW-SE	0.55m	Topsoil (2500) over subsoil (2501) over the natural geological deposit (2502). Seven land drains. No archaeological features.	50m X 4m

26	N-S	0.65m	Topsoil (2600) over subsoil (2601) over the natural geological deposit (2602). Nine land drains. No archaeological features.	50m X 4m
27	N-S	0.5m	Topsoil (2700) over subsoil (2701) over the natural geological deposit (2702). Eight land drains. No archaeological features.	50m X 4m
28	NNE-SSW	0.35m	Topsoil (2800) over subsoil (2801) over the natural geological deposit (2802). Nine land drains. No archaeological features.	50m X 4m
29	NNE-SSW	0.4m	Topsoil (2900) over subsoil (2901) over the natural geological deposit (2902). Five land drains. No archaeological features.	50m X 4m
30	E-W	0.55m	Topsoil (3000) over subsoil (3001) over the natural geological deposit (3002). Five land drains. No archaeological features.	50m X 4m
31	NW-SE	0.55m	Topsoil (3100) over subsoil (3101) over the natural geological deposit (3102). Seven land drains. No archaeological features.	50m X 4m
32	NW-SE	0.55m	Topsoil (3200) over subsoil (3201) over the natural geological deposit (3202). Four land drains. No archaeological features.	50m X 4m
33	NW-SE	0.4m	Topsoil (3300) over subsoil (3301) over the natural geological deposit (3302). Nine land drains. No archaeological features.	50m X 4m
34	NE-SW	0.45m	Topsoil (3400) over subsoil (3401) over the natural geological deposit (3402). Ten land drains. No archaeological features.	50m X 4m
35	N-S	0.45m	Topsoil (3500) over subsoil (3501) over the natural geological deposit (3502). Six land drains. No archaeological features.	50m X 4m
36	NE-SW	0.5m	Topsoil (3600) over subsoil (3601) over the natural geological deposit (3602). Four land drains. No archaeological features.	50m X 4m
37	NW-SE	0.45m	Topsoil (3700) over subsoil (3701) over the natural geological deposit (3702). Five land drains. No archaeological features.	50m X 4m
38	NE-SW	0.4m	Topsoil (3800) over subsoil (3801) over the natural geological deposit (3802). Four land drains. No archaeological features.	50m X 4m

39	NE-SW	0.35m	Topsoil (3900) over subsoil (3901) over the natural geological deposit (3902). Eight land drains. No archaeological features.	50m X 4m
40	NW-SE	0.35m	Topsoil (4000) over subsoil (4001) over the natural geological deposit (4002). Eight land drains. No archaeological features.	50m X 4m
41	NW-SE	0.35m	Topsoil (4100) over subsoil (4101) over the natural geological deposit (4102). Thirteen land drains. No archaeological features.	50m X 4m
42	NE-SW	0.35m	Topsoil (4200) over subsoil (4201) over the natural geological deposit (4202). Ten land drains. No archaeological features.	50m X 4m
43	NE-SW	0.45m	Topsoil (4300) over subsoil (4301) over the natural geological deposit (4302). Seven land drains. No archaeological features.	50m X 4m
44	NW-SE	0.4m	Topsoil (4400) over subsoil (4401) over the natural geological deposit (4402). Five land drains. No archaeological features.	50m X 4m
45	NW-SE	0.35m	Topsoil (4500) over subsoil (4501) over the natural geological deposit (4502). Four land drains. No archaeological features.	50m X 4m
46	E-W	0.35m	Topsoil (4600) over subsoil (4601) over the natural geological deposit (4602). Two land drains. No archaeological features.	50m X 4m
47	NW-SE	0.4m	Topsoil (4700) over subsoil (4701) over the natural geological deposit (4702). Three land drains. No archaeological features.	50m X 4m
48	NE-SW	0.4m	Topsoil (4800) over subsoil (4801) over the natural geological deposit (4802). Two land drains. One service. No archaeological features.	50m X 4m
49	NW-SE	0.4m	Topsoil (4900) over subsoil (4901) over the natural geological deposit (4902). Three land drains. No archaeological features.	50m X 4m
50	NW-SE	0.4m	Topsoil (5000) over subsoil (5001) over the natural geological deposit (5002). Eight land drains. No archaeological features.	50m X 4m

Appendix II – Context Register

Context No.	Trench	Description	Dimensions
0100	1	Topsoil: dark grey brown fine-grained sandy clay.	0-0.24m
0101	1	Subsoil: mid red orange fine-grained sandy clay.	0.24-0.34m
0102	1	Natural: limestone, with frequent sink holes and cracks filled with subsoil.	0.34+
0200	2	Topsoil: mid grey brown silty sand with occasional charcoal flecks and small stones.	0-0.35m
0201	2	Natural: light brown grey silty clay with occasional stones and charcoal flecks. Patches of grey brown clayey sand.	0.35m+
0202	2	Single fill of ditch [0203]. Firm grey brown clay with medium stones. Disuse fill. Undated.	4m+ (E-W) X 1.05m X 0.38m
0203	2	Cut of E-W aligned linear ditch. Moderately sloping sides and flat base (U-shaped). Undated. Not on historic maps or geophysical survey. Probable field boundary.	4m+ (E-W) X 1.05m X 0.38m
0300	3	Topsoil: mid grey brown fine-grained sandy clay with occasional small stones.	0-0.28m
0301	3	Subsoil: mid orange red fine-grained sandy clay with occasional small stones, brick, and limestone inclusions.	0.28-0.56m
0302	3	Natural: compact range red clay with frequent limestone inclusions and sand pockets.	0.56m+
0400	4	Topsoil: mid brown grey silty sand with rare charcoal flecks and small stones.	0-0.3m
0401	4	Subsoil: grey brown sandy clay with occasional small stones.	0.3-0.5m
0402	4	Natural: range brown silty sand with patches of brown grey silty clay and limestone inclusions.	0.5m+
0500	5	Topsoil: brown grey sandy clay with occasional small stones.	0-0.25m
0501	5	Subsoil: compact orange brown sandy clay with occasional small limestone inclusions.	0.25-0.5m
0502	5	Natural red brown sandy clay with frequent limestone inclusions and patches of sand.	0.5m+
0600	6	Topsoil: grey brown fine-grained sandy clay with occasional small stones.	0-0.29m
0601	6	Subsoil: red orange fine-grained sandy clay with frequent limestone inclusions.	0.29-0.34m

0602	6	Natural: limestone. Crumbly, with holes filled with subsoil.	0.34m+
0603	6	Single fill of ditch [0604]. Firm brown clay with medium-sized limestone inclusions. Disuse fill. Undated.	4m+ (NE-SW) X 0.6m X 0.06m
0604	6	Cut of NE-SW aligned linear ditch. Gently sloping sides and flat base. Undated. On geophysical survey, but not on historic maps. Parallel to [0607] and so may have functioned alongside it.	4m+ (NE-SW) X 0.6m X 0.06m
0605	6	Secondary fill of ditch [0607]. Firm orange brown sandy silt with abundant medium to large limestone inclusions. Frequent mollusc shells. Disuse fill. Undated.	4m+ (NE-SW) X 1.6m X 0.43m
0606	6	Primary fill of ditch [0607]. Firm orange brown sandy silt with abundant small to medium limestone inclusions. Silting of ditch. Undated.	4m+ (NE-SW) X 1.3m X 0.3m
0607	6	Cut of NE-SW aligned liner ditch. Moderate and slightly concave sides and a shallow concave base. Undated. On geophysical survey, but not on historic maps. Parallel to [604] and so may have functioned alongside it.	4m+ (NE-SW) X 1.73m X 0.77m
0700	7	Topsoil: grey brown silty sand with occasional small stones and rare charcoal flecks.	0-0.34m
0701	7	Subsoil: light yellow brown silty sand with rare small stones.	0.34-0.5m
0702	7	Natural: light brown grey silty clay with frequent limestone inclusions and patches of sand.	0.5m+
0800	8	Topsoil: dark brown grey clay silt with occasional small stones.	0-0.25m
0801	8	Subsoil: yellow brown sandy clay with frequent limestone inclusions.	0.25-0.35m
0802	8	Natural: grey brown sandy clay withh abundant lmestone inclusions and pockets of clay sand.	0.35m+
0900	9	Topsoil: grey brown fine-grained sandy clay with occasional small stones.	0-0.28m
0901	9	Subsoil: red orange fine-grained sandy clay with frequent limestone inclusions.	0.28-0.5m
0902	9	Natural: compact cream orange red sands and limestone patches.	0.5m+
1000	10	Topsoil: grey brown sandy clay with occasional limestone and brick inclusions.	0-0.3m
1001	10	Subsoil: yellow orange sandy clay with limestone inclusions.	0.3-0.5m
1002	10	Natural: yellow brown sandy clay with frequent small-medium limestone inclusions and sand patches.	0.5m+

1100	11	Topsoil: dark brown grey silty clay with frequent medium to large stones.	0-0.26m
1101	11	Subsoil: yellow brown sandy clay with frequent limestone inclusions.	0.26-0.54m
1102	11	Natural: grey brown sandy clay with abundant limestone inclusions and patches of orange brown clay sand.	0.54m+
1200	12	Topsoil: dark grey brown fine-grained sandy clay with occasional small stones.	0-0.31m
1201	12	Subsoil: red orange fine-grained sandy clay with occasional limestone inclusions.	0.31-0.6m
1202	12	Natural: crumbly limestone and sand patches.	0.6m+
1300	13	Topsoil: dark grey brown clay sand with occasional small stones.	0-0.19m
1301	13	Subsoil: red brown sandy clay with occasional small stones.	0.19-0.29m
1302	13	Natural: light grey yellow sandy clay with frequent limestone inclusions and patches of light brown red sandy clay.	0.29m+
1303	13	Single fill of ditch [1304]. Firm orange brown clay with occasional stones. Undated. Backfill deposit.	4m+ (NE-SW) X 1.1m X 0.3m
1304	13	Cut of NE-SW aligned linear ditch. Steep sides and a flat base. Undated. Not on historic maps, but on geophysical survey. Possibly a field boundary, although may be associated with enclosure to the south.	4m+ (NE-SW) X 1.1m X 0.3m
1305	13	Cut of E-W aligned linear ditch. Steep sides and flat base. Undated. Turns to south (ditch [1310] and forms the corner of a possible enclosure. Shown on geophysical survey as the corner of an enclosure. Two postholes [1307] and [1312] possibly associated with it.	4m+ (E-W) X 1.9m X 0.71m
1306	13	Single fill of ditch [1305]. Compact brown grey silty clay with occasional small stones and charcoal flecs. Undated. Disuse fill.	4m+ (E-W) X 1.9m X 0.71m
1307	13	Cut of posthole on southern side of ditch [1305]. Sub-circular shape, gently sloping sides, and flat base. Undated. Possibly related to posthole [1312] and the enclosure.	0.32m X 0.28m X 0.1m
1308	13	Single fill of posthole [1307]. Compact brown grey silty clay with rare small stones and charcoal flecks. Undated. Disuse fill.	0.32m X 0.28m X 0.1m
1309	13	Single fill of ditch [1310]. Compact orange brown sandy clay with moderate medium-large stones and charcoal. Undated. Disuse fill.	9.3m+ (N-S) X 1.66m X 0.69m

1310	13	Cut of N-S aligned linear ditch. Steep to moderate sides with flat base. Undated. Turns to west (ditch [1305]) and forms the corner of an enclosure shown on the geophysical survey.	9.3m+ (N-S) X 1.66m X 0.69m
1311	13	Single fill of posthole [1312]. Compact orange brown sand with rare small stones. Undated. Disuse fill.	0.3m X 0.25m X 0.1m
1312	13	Cut of posthole to north of ditch [1305]. Sub-circular shape, steep sides, and rounded base. Undated. Undated. Possibly related to posthole [1307] as on a line with it. May be associated with enclosure [1305]/[1310].	0.3m X 0.25m X 0.1m
1400	14	Topsoil: dark brown grey compact silty clay with moderate medium - large stones.	0-0.33m
1401	14	Subsoil: yellow brown sandy clay with limestone inclusions.	0.33-0.47m
1402	14	Natural: grey brown sandy clay with limestone inclusions and patches of orange brown clay sand.	0.47m+
1500	15	Topsoil: dark grey brown clayey sand with occasional small stones.	0-0.35m
1501	15	Subsoil: orange brown sandy clay with rare charcoal flecks and small stones.	0.35-0.86m
1502	15	Natural: orange brown silty clay with limestone inclusions and patches of red brown sandy clay and orange yellow clayey sand.	0.86m+
1600	16	Topsoil: Grey brown silty clay.	0-0.3m
1601	16	Subsoil: Yellow brown sandy clay.	0.3-0.36m
1602	16	Natural: red brown sandy clay with frequent limestone flecks.	0.36m+
1603	16	Fill of boundary ditch [1604]. Soft dark grey brown silty clay with occasional small stones. Undated. Disuse fill.	5m+ (N-S) X 0.6m X 0.08m
1604	16	Cut of boundary ditch. Linear shape, steep sides and flat base. Undated but map with modern field boundaries detailed.	5m+ (N-S) X 0.6m X 0.08m
1700	17	Topsoil: dark grey brown clayey sand with rare charcoal flecks and small stones.	0-0.35m
1701	17	Natural: brown grey silty clay with patches of orange brown silty sand and red brown sandy clay. Frequent limestone inclusions.	0.35m+

1800	18	Topsoil: dark brown grey clay silt with frequent limestone inclusions.	0-0.32m
1801	18	Subsoil: yellow brown compact sandy clay with limestone inclusions.	0.32-0.57m
1802	18	Natural: grey brown sandy clay with abundant limestone pieces and patches of orange brown sandy clay and sand pockets.	0.57m+
1900	19	Topsoil: dark brown grey clayey sand with occasional small stones and charcoal flecks.	0-0.22m
1901	19	Subsoil: brown orange silty sand with occasional small limestone pieces.	0.22-0.37m
1902	19	Natural: brown grey silty clay with frequent limestone inclusions and charcoal flecks and patches of orange brown silty sand.	0.37m+
2000	20	Topsoil: dark grey brown clayey sand with occasional small stones and charcoal flecks.	0-0.21m
2001	20	Subsoil: brown orange silty sand with rare small stones.	0.21-0.33m
2002	20	Natural: brown grey silty clay with frequent limestone inclusions and patches of orange brown silty sand.	0.33m+
2100	21	Topsoil: grey brown friable sandy clay with limestone inclusions.	0-0.3m
2101	21	Subsoil: orange yellow compact sandy clay with small limestone inclusions.	0.3-0.5m
2102	21	Natural: compact orange yellow sandy clay with frequent limestone inclusions and occasional sand patches.	0.5m+
2200	22	Topsoil: grey brown friable sandy clay with limestone inclusions.	0-0.3m
2201	22	Subsoil: yellow orange sandy clay with limestone inclusions.	0.3-0.42m
2202	22	Natural: light grey brown sandy clay with frequent limestone inclusions and occasional sand patches.	0.42m+
2300	23	Topsoil: grey brown clayey sand with occasional small stones.	0-0.3m
2301	23	Subsoil: grey brown sandy clay with occasional small stones.	0.3-0.48m
2302	23	Natural: light grey brown sandy clay with patches of sand and frequent limestone inclusions.	0.48m+
2400	24	Topsoil: dark brown grey coarse silty sand with frequent small stones.	0-0.33m
2401	24	Subsoil: mid orange brown clay sand, very shallow, only occurs in patches.	0.33-0.35m

2402	24	Natural: orange brown compact sandy clay, with abundant small stone throughout, deep plough scars.	0.35m+
2403	24	Fill of modern boundary ditch [2404]. Coarse dark brown grey silty clay with moderate large stones and occasional charcoal. Modern finds recovered, barbed wire and animal bone.	4m+ (NE-SW) X 1.22m X 0.55m
2404	24	Cut of modern boundary ditch. Linear, steep sides, irregular base, break of slope moderate at top and moderate to gradual at base. Ditch clear on maps detailing field boundaries.	4m+ (NE-SW) X 1.22m X 0.55m
2500	25	Topsoil: brown sandy clay with occasional small stones.	0-0.28m
2501	25	Subsoil: yellow brown sandy clay with occasional limestone inclusions.	0.28-0.45m
2502	25	Natural: compact cream brown sandy clay with frequent limestone pieces and mottled sand patches.	0.45m+
2600	26	Topsoil: brown sandy silt with occasional small and medium stones.	0-0.35m
2601	26	Subsoil: yellow brown compact sandy clay.	0.35-0.55m
2602	26	Natural: compact cream yellow brown sandy clay with frequent limestone pieces and sand patches.	0.55m+
2700	27	Topsoil: grey brown silty sand with occasional small stones.	0-0.3m
2701	27	Subsoil: yellow brown sandy clay with limestone inclusions.	0.3-0.4m
2702	27	Natural: grey brown sandy clay, yellow brown sands, and frequent limestone inclusions.	0.4m+
2800	28	Topsoil: mid grey brown friable silty clay with small limestone inclusions.	0-0.26m
2801	28	Subsoil: mid orange brown compact sandy clay with rare small limestone inclusions.	0.26-0.34m
2802	28	Natural: mid orange brown compact sandy clay with frequent small to medium limestone inclusions and occasional sand patches.	0.34m+
2900	29	Topsoil: mid grey brown friable silty clay with occasional small limestone inclusions.	0-0.26m
2901	29	Subsoil: mid orange brown sandy clay with rare small limestone inclusions.	0.26m-0.45m
2902	29	Natural: mid orange brown compact sandy clay with frequent small limestone inclusions, rare large stones and occasional sand patches.	0.45m+

3000	30	Topsoil: mid-dark brown sandy clay with occasional small stones.	0-0.3m
3001	30	Subsoil: yellow brown sandy clay with limestone inclusions.	0.3-0.45m
3002	30	Natural: compact cream orange brown sandy clay with frequent limestone pieces and mottled sand patches.	0.45m+
3100	31	Topsoil: grey brown sandy clay with occasional limestone inclusions.	0-0.28m
3101	31	Subsoil: compact orange brown sandy clay with occasional limestone inclusions.	0.28-0.46m
3102	31	Natural: compact cream brown sandy clay with limestone pieces and patches of yellow, cream, and brown sands.	0.46m+
3200	32	Topsoil: dark grey brown sandy clay with frequent medium to large stones.	0-0.25m
3201	32	Subsoil: orange brown sandy clay with occasional limestone inclusions.	0.25-0.45m
3202	32	Natural: grey brown clay sand with pockets of orange sand.	0.45m+
3300	33	Topsoil: grey brown friable sandy clay with occasional limestone inclusions and modern debris.	0-0.29m
3301	33	Subsoil: yellow orange compact sandy clay with occasional limestone inclusions.	0.29-0.34m
3302	33	Natural: yellow orange compact sandy clay with frequent limestone inclusions and occasional sand patches.	0.34m+
3400	34	Topsoil: grey brown friable sandy clay with occasional stones and frequent modern debris.	0-0.3m
3401	34	Subsoil: orange brown friable sandy clay with rare limestone inclusions.	0.3-0.42m
3402	34	Natural: yellow orange compact sandy clay with frequent limestone inclusions.	0.42m+
3500	35	Topsoil: dark grey brown sandy clay with frequent medium stones.	0-0.35m
3501	35	Subsoil: light orange brown sandy clay with occasional limestone inclusions.	0.35-0.43m
3502	35	Natural: light grey brown sandy clay with abundant limestone patches and pockets of clay sand.	0.43m+
3600	36	Topsoil: mid greyish brown sandy clay with frequent medium to large stones.	0-0.28m
3601	36	Subsoil: light orange yellow sandy clay with rare small stones.	0.28-0.42m

3602	36	Natural: light grey brown sandy clay with abundant limestone patches and pockets of clay sand.	0.42m+
3700	37	Topsoil: mid greyish brown sandy clay with frequent medium to large stones.	0-0.25m
3701	37	Subsoil: mid orange yellow clay sand with moderate small stones.	0.25-0.35m
3702	37	Natural: light yellow brown sandy clay with frequent pockets of sand.	0.35m+
3800	38	Topsoil: dark grey brown sandy clay with occasional limestone fragments and stones.	0-0.2m
3801	38	Subsoil: orange brown friable sandy clay with rare limestone inclusions.	0.2-0.35m
3802	38	Natural: mid brown sandy clay with moderate to frequent limestone inclusions.	0.35m+
3900	39	Topsoil: mid greyish brown sandy clay with frequent medium to large stones.	0-0.26m
3901	39	Subsoil: mid orange yellow sandy clay with moderate small limestone inclusions.	0.26-0.3m
3902	39	Natural: mid brown grey sandy clay with pockets of sand	0.3m+
4000	40	Topsoil: mid grey brown sandy clay with frequent medium to large stones.	0-0.3m
4001	40	Subsoil: mid orange yellow sandy clay with moderate small limestone inclusions.	0.3-0.42m
4002	40	Natural: mid brown grey sandy clay with pockets of sand.	0.42m+
4100	41	Topsoil: mid grey brown sandy clay with frequent medium to large stones.	0-0.18m
4101	41	Subsoil: mid orange yellow clay sand with moderate small stones.	0.18-0.3m
4102	41	Natural: mid yellow brown sandy clay with frequent pockets of coarse mid to dark yellow sand	0.3m+
4200	42	Topsoil: mid grey brown sandy clay with rare stone inclusions.	0-0.3m
4201	42	Subsoil: mid yellow/orange brwn sandy clay with rare stone inclusions and some limestone flecks.	0.3-0.4m
4202	42	Natural: mottled sandy clay with limestone flecks.	0.4m+
4300	43	Topsoil: mid grey brown friable sandy clay with occasional small limestone inclusions, rare brick fragments.	0-0.3m
4301	43	Subsoil: mid orange brown compact sandy clay with rare small limestone inclusions.	0.3-0.44m

4302	43	Natural: mid orange brown compact sandy clay with frequent small to medium limestone inclusions and occasional patches of sand.	0.44m+
4400	44	Topsoil: grey brown sandy clay.	0-0.25m
4401	44	Subsoil: yellow brown sandy clay.	0.25-0.35m
4402	44	Natural: light yellow brown sandy clay with frequent limestone flecks.	0.35m+
4500	45	Topsoil: mid greyish brown compact sandy clay with moderate medium to large stones.	0-0.2m
4501	45	Subsoil: mid orange yellow compact clay sand with moderate small to medium stones	0.2-0.29m
4502	45	Natural: light yellow brown sandy clay with frequent pockets of coarse orange yellow sand with moderate stone.	0.29m+
4600	46	Topsoil: grey brown sandy clay.	0-0.25m
4601	46	Subsoil: mid yellow brown sandy clay.	0.25-0.33m
4602	46	Natural: light yellow brown sandy clay with frequent limestone flecks.	0.33m+
4700	47	Topsoil: mid grey brown friable sandy clay with occasional small to very small limestone inclusions and rare fragments of brick.	0-0.28m
4701	47	Subsoil: mid orange brown sandy clay with rare small limestone inclusions.	0.28-0.45m
4702	47	Natural: mid orange brown compact sandy clay with frequent small to medium limestone inclusions, rare charcoal flecks and occasional sand patches.	0.45m+
4800	48	Topsoil: mid grey brown compact sandy clay with frequent medium to large stones.	0-0.24m
4801	48	Subsoil: mid orange yellow compact clay sand with moderate small to medium stones.	0.24-0.3m
4802	48	Natural: light yellow brown compact sandy clay with frequent pockets of orange yellow coarse sand and moderate medium stones.	0.3m+
4900	49	Topsoil: mid brown grey compact sandy clay with medium to large stones.	0-0.22m
4901	49	Subsoil: mid orange yellow compact clay sand with moderate small to medium stones.	0.22-0.35m
4902	49	Natural: light yellow brown compact sandy clay with frequent pockets of coarse orange yellow sand.	0.35m+
5000	50	Topsoil: dark grey brown compact sandy clay with frequent medium to large stones.	0-0.26m
5001	50	Subsoil: mid orange yellow clay sand with small to medium stones.	0.26-0.37m

5002	50	Natural: mid yellow brown sandy clay with frequent patches of coarse sand and frequent stones.	0.37m+
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Appendix III – Photographic Register

Photo number	Black and White	Digital	Direction Facing	Description
001	1/2	-	-	ID shot film 2
002	2/2	1	S	Trench 2
003	3/2	2	N	Trench 2
004	4/2	3	W	E-facing section of ditch [203]
005	-	4	S	Ditch [203]
006	-	5	S	Ditch [203]
007	5/2	6	E	W-facing section of ditch [203]
008	6/2	7	S	Ditch [203]
009	7/2	8	NNE	Trench 4
010	8/2	9	SSW	Trench 4
011	9/2	10	SE	Trench 7
012	10/2	11	NW	Trench 7
013	-	12	SW	General shot of northern part of site
014	-	13	NW	General shot of northern part of site
015	11/2	14	S	Trench 17
016	12/2	15	N	Trench 17
017	13/2	16	NW	Ditch [604]
018	14/2	17	NE	SW-facing section of ditch [604]
019	15/2	18	SW	NE-facing section of ditch [604]
020	16/2	19	S	Trench 13
021	17/2	20	N	Trench 13
022	18/2	21	SE	NW-facing section of ditch [607]
023	-	22	SE	NW-facing section of ditch [607]
024	-	23	SE	NW-facing section of ditch [607]
025	19/2	24	SSW	Trench 15
026	20/2	25	NNE	Trench 15
027	21/2	26	NW	Trench 23
028	22/2	27	SE	Trench 23
029	23/2	28	S	Trench 27
030	24/2	29	N	Trench 27
031	25/2	30	SW	NW-facing section of ditch [1304]
032	26/2	31	NW	SE-facing section of ditch [1304]
033	27/2	32	NW	Ditch [1304]
034	28/2	33	SE	Trench 31
035	29/2	34	NW	Trench 31
036	30/2	35	S	Trench 26
037	31/2	36	N	Trench 26
038	-	37	SW	Backfilled Trench 2
039	-	38	SW	Backfilled Trench 4
040	32/2	39	SE	Trench 25
041	33/2	40	NW	Trench 25

042	34/2	41	WSW	ENE-facing section of ditch [1305]
043	35/2	42	ENE	WSW-facing section of ditch [1305]
044	36/2	43	E	Trench 30
045	-	44	W	Trench 30
046	1/3	-	-	ID shot film 3
047	2/3	45	SE	Trench 19
048	3/3	46	NW	Trench 19
049	4/3	47	SW	NE-facing section of ditch [1310]
050	-	48	NW	Ditch [1310]
051	5/3	49	NE	SW facing section of posthole [1307]
052	6/3	50	PLAN	Shot of posthole [1307]
053	7/3	51	N	Trench 20
054	8/3	52	S	Trench 20
055	9/3	53	S	Trench 21
056	10/3	54	N	Trench 21
057	-	55	SW	Section shot of natural feature in trench 13 - NE facing
058	-	56	NW	Section shot of natural feature in trench 13 - NE facing
059	11/3	57	NE	Post-ex shot of ditch slots [1305] and [1310]
060	12/3	58	SE	Post-ex shot of ditch slots [1305] and [1310]
061	13/3	59	SW	Post-ex shot of ditch slots [1305] and [1310]
062	14/3	60	NW	Post-ex shot of ditch slots [1305] and [1310]
063	-	61	NW	Post-ex shot of ditch slots [1305] and [1310]
064	15/3	62	N	Post-ex shot of ditch slots [1305] and [1310]
065	16/3	63	NNE	Post-ex shot of ditch slots [1305] and [1310]
066	-	64	NNE	Post-ex shot of ditch slots [1305] and [1310]
067	17/3	65	S	North facing section of posthole [1312]
068	18/3	66	SE	Posthole [1312] in relation to ditch [1305]
069	19/3	67	W	Representative section of stratigraphy in trench 13
070	20/3	68	NE	Representative section of stratigraphy in trench 6
071	21/3	69	SE	Trench 33
072	22/3	70	NW	Trench 33
073	23/3	71	E	West facing section of trench 10
074	24/3	72	NE	SW facing section of trench 33
075	25/3	73	SE	General shot of trench 40
076	26/3	74	NW	General shot of trench 40
077	27/3	75		Trench 42
078	28/3	76		Trench 42
079	29/3	77		Trench 41
080	30/3	78		Trench 41
081	31/3	79	SE	Trench 44
082	32/3	80	NW	Trench 44
083	33/3	81		Trench 37
084	34/3	82		Trench 37

085	35/3	83	SW	Trench 43
086	36/3	84	NE	Trench 43
087	37/3	85	NE	Trench 46
300	36/1	-	-	ID shot film 1
301	35/1	2300	W	Trench 1
302	34/1	2301	E	Trench 1
303	33/1	2302	N	Trench 3
304	32/1	2303	S	Trench 3
305	31/1	2304	NW	Trench 6
306	30/1	2305	SE	Trench 6
307	29/1	2306	NE	Trench 12
308	28/1	2307	SW	Trench 12
309	27/1	2308	SW	Trench 9
310	26/1	2309	NE	Trench 9
311	-	2310	SW	Modern linear in trench 5
312	-	2311	SW	Modern linear in trench 5
313	25/1	2312	NE	Trench 5
314	24/1	2313	SW	Trench 5
315	23/1	2314	NW	Trench 8
316	22/1	2315	SE	Trench 8
317	21/1	2316	N	Trench 11
318	20/1	2317	S	Trench 11
319	19/1	2318	E	Trench 18
320	18/1	2319	W	Trench 18
321	17/1	2320	SE	Trench 14
322	16/1	2321	NW	Trench 14
323	15/1	2322	NW	Trench 22
324	14/1	2323	SE	Trench 22
325	13/1	2324	S	Trench 10
326	12/1	2325	N	Trench 10
327	11/1	2326	NW	Trench 32
328	10/1	2327	SE	Trench 32
329	9/1	2328	SW	Trench 34
330	8/1	2329	NE	Trench 34
331	7/1	2330	N	Trench 35
332	6/1	2331	S	Trench 35
333	5/1	2332	NE	Trench 36
334	4/1	2333	SW	Trench 36
335	3/1	-	SW	Trench 38
336	-	2334	-	VOID
337	-	2335	SW	Trench 38
338	2/1	2336	NE	Trench 38
339	1/1	2337	NW	Trench 39

340	36/4	-	-	ID SHOT FILM 4
341	35/4	2338	SW	Trench 46
342	34/4	2339	SW	Trench 46
343	-	2340	N	Trench 43
344	33/4	2341	SE	Trench 47
345	32/4	2342	NW	Trench 47
346	31/4	2343	SE	Trench 50
347	30/4	2344	NW	Trench 50
348	29/4	2345	NW	North west representative shot of trench 49
349	28/4	2346	SE	Trench 49
350	27/4	2347	NW	Trench 49
351	26/4	2348	NW	North west section of trench 48
352	-	2349	SW	Detail shot of services in trench 48
353	-	2350	SW	General shot of services in trench 48
354	25/4	2351	SW	Trench 48
355	24/4	2352	NE	Trench 48
356	23/4	2353	SE	Trench 45
357	22/4	2354	NW	Trench 45
358	21/4	2355	NW	SE facing shot of field boundary [1604] section
359	20/4	2356	SE	SE facing shot of field boundary [1604] plan
360	19/4	2357	SE	NW facing shot of field boundary [1604] section
361	18/4	2358	SE	Trench 16
362	17/4	2359	NW	Trench 16
363	16/4	2360	SSW	Trench 29
364	15/4	2361	NNE	Trench 29
365	14/4	2362	NNE	Trench 28
366	13/4	2363	SSW	Trench 28
367	12/4	2364	E	West facing section of boundary ditch [2404]
368	11/4	2365	SE	Trench 24
369	10/4	2366	NW	Trench 24

Appendix IV – Drawing Register

Drawing Number	Scale	Description
1	1:20	Plan of ditch [607]
2	1:10	SW-facing section of ditch [607]

Appendix V – Sample Register

Sample Number	Context	Volume	Description
1	605	40L	Secondary fill of ditch [607]
2	1306	40L	Fill of ditch [1305]
3	606	40L	Fill of ditch [607]

4	1309	40L	Fill of ditch [1310]
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Appendix VI – Finds Register

Trench	Context	Context Notes	Quantity	Weight (g)	Material	Object	Description	Spot Date
1	100	Topsoil	1	1	Clay Pipe	Stem	narrow bore	18th-e.20th
1	100	Topsoil	2	11	Glass	Bottle	green and colourless sherds	19th-present
1	100	Topsoil	1	946	Iron	Horseshoe	large heavy shoe, calkinned heels, poss remains of toe clip, no fuller groove	M19th-20th
1	100	Topsoil	7	21	Pottery (Mod)	MOD	blue trans printed, brown trans printed, slip lined redware, rockingham, whiteware	19th-present
1	100	Topsoil	1	11	Stone	Polished Slate	small edge sherd	Mod
1	101	Subsoil	1	21	Pottery (Mod)	MOD	blackware	17th-19th
2	200	Topsoil	1	14	Iron	Nail	bent from extraction	
2	200	Topsoil	1	3	Lithics	Tool	overshot hard hammer blade, retouched, patinated	Meso-BA
3	300	Topsoil	5	79	CBM	Pipe	earthenware drain pipe sherds	Mod
3	300	Topsoil	1	2	Clay Pipe	Stem	narrow bore	18th-e.20th
3	300	Topsoil	1	33	Iron	Pipe	curving sherd	Mod
3	300	Topsoil	7	42	Pottery (Mod)	MOD	stoneware, brownware, whiteware, red trans printed, slip lined etc	19th-e.20th
3	301	Subsoil	1	19	Iron	Pipe	curving sherd	Mod
5	500	Topsoil	1	31	CBM	Roof Tile	pan tile	PM-Mod
5	500	Topsoil	1	3	Clay Pipe	Bowl	small bowl sherd part of moulded	19th-e.20th

Trench	Context	Context Notes	Quantity	Weight (g)	Material	Object	Description	Spot Date
							possible rib or claw	
5	500	Topsoil	1	24	Glass	Bottle	colourless base	19th-present
5	500	Topsoil	1	32	Iron	Nail	small square head, thick shaft	Mod
5	500	Topsoil	13	43	Pottery (Mod)	MOD	whiteware, porcelain, red banded, stoneware	19th-e.20th
5	500	Topsoil	1	2	Pottery (Mod)	MOD	body sherd; fine poorly mixed mica rich fabric; traces of darker contact surface; slipware or glazed?	PM/Mod
6	600	Topsoil	1	6	CBM	Tile?	small sherd	
6	600	Topsoil	1	1	Clay Pipe	Stem	narrow bore	18th-e.20th
6	600	Topsoil	1	2	Glass	Bottle	colourless ribbed sherd	19th-present
6	600	Topsoil	1	1	Glass	Bottle	natural fragment	19th-present
6	600	Topsoil	12	31	Pottery (Mod)	MOD	whiteware, willow, green trans printed, slip-lined redware	19th-e.20th
6	601	Subsoil	2	36	Glass	Bottle	natural, thick egg shaped?, moulded letters	19th-20th
6	601	Subsoil	1	2	Pottery (Mod)	MOD	porcelain, plain	19th-present
9	900	Topsoil	8	23	Pottery (Mod)	MOD	whiteware, stoneware, willow, engine-turned banded	19th
10	1000	Topsoil	1	1	Clay Pipe	Stem	narrow bore	18th-e.20th
10	1000	Topsoil	2	3	Glass	Window	small colourless sherds, one frosted	19th-present
10	1000	Topsoil	4	30	Glass	Bottle	colourless square bottle sherd, green sherds	L.19th-present
10	1000	Topsoil	12	38	Pottery (Mod)	MOD	whiteware, engine turned stoneware, spongeware, blue trans printed, black	19th

Trench	Context	Context Notes	Quantity	Weight (g)	Material	Object	Description	Spot Date
							trans printed, tin-glazed earthenware	
11	1100	Topsoil	1	1	Clay Pipe	Stem	narrow bore	18th-e.20th
11	1100	Topsoil	1	2	Glass	Window	colourless sherd	19th-present
11	1100	Topsoil	1	5	Glass	Bottle	natural sherd	19th-present
11	1100	Topsoil	1	169	Iron	Pipe	large curving sherd	
11	1100	Topsoil	1	502	Iron	Object	bolt with two pierced ends, thick wire through one end, washer near one end	
11	1100	Topsoil	6	33	Pottery (Mod)	MOD	whiteware, blue trans printed, porcelain, slip-lined redware	19th
12	1200	Topsoil	2	21	Ceramic	Kiln Prop	part of cock's spur and hand rolled sherd	L18th-e.20th
12	1200	Topsoil	1	13	Glass	Bottle	natural thick sherd	19th-present
12	1200	Topsoil	1	1	Glass	Window	natural sherd	19th-present
12	1200	Topsoil	1	253	Iron	Nail	very large (10") nail	Mod
12	1200	Topsoil	1	204	Iron	Chunk	large triangular piece	Mod
12	1200	Topsoil	22	65	Pottery (Mod)	MOD	whiteware, spongeware, blue shell-edged, blackware	19th-e.20th
13	1300	Topsoil	1	3	Clay Pipe	Stem	wide bore	17th-18th
13	1300	Topsoil	2	20	Glass	Bottle	green and colourless sherds	19th-present
13	1300	Topsoil	3	28	Pottery (Mod)	MOD	brownware, blue trans printed, sprigged whiteware	19th-e.20th
13	1300	Topsoil	1	16	Pottery (Rom)	GREY	Rim; Form BHNK; Bowl with no neck Buckland et al 1980, Fig 4. 29;	3rd AD

Trench	Context	Context Notes	Quantity	Weight (g)	Material	Object	Description	Spot Date
							South Yorkshire product. Rim diam 22; Rim EVE 7	
13	1306	Ditch 1305	1	2	Lithics	Flake & Chip	short wide hard hammer flake and chip	PH
13	1309	Ditch 1310	1	1	Pottery (Rom)	GREY?	Body sherd; tiny scrap; Roman?	Rom?
18	1800	Topsoil	1	17	CBM	Brick	fragment	PM-Mod
18	1800	Topsoil	1	8	Glass	Window	thick natural coloured	19th-present
18	1800	Topsoil	9	98	Pottery (Mod)	MOD	whiteware, willow, blue trans printed, stoneware, brownware	19th-e.20th
19	1900	Topsoil	1	16	Pottery (Mod)	MOD	stoneware	19th-present
21	2100	Topsoil	1	83	CBM	Brick	small sherd	PM-Mod
21	2100	Topsoil	1	1	Clay Pipe	Stem	narrow bore, glazed mouthpiece	18th-e.20th
21	2100	Topsoil	1	126	Iron	Bolt	thick bolt with square nut on end	Mod
21	2100	Topsoil	10	81	Pottery (Mod)	MOD	porcelain, whiteware, blue trans printed	19th-present
23	2300	Topsoil	1	25	CBM	Pipe	stoneware drain pipe sherd	Mod
23	2300	Topsoil	2	4	Clay Pipe	Stems	narrow bore	18th-e.20th
23	2300	Topsoil	1	2	Glass	Bottle	blue sherd	19th-present
23	2300	Topsoil	5	16	Pottery (Mod)	MOD	whiteware, green trans printed, blue banded	19th-present
24	2403	Mod ditch 2404	1	8	Ceramic	Kiln Prop	cocks spur type, whiteware	L18th-e.20th
24	2403	Mod ditch 2404	1	8	Copper Alloy	Strip	narrow thick strip, perforated at one end	Mod?
24	2403	Mod ditch 2404	1	14	Iron	Plate	sherd with broken edges	
24	2403	Mod ditch	41	254	Iron	Wire	fragmented pieces of thick wire	Mod

Trench	Context	Context Notes	Quantity	Weight (g)	Material	Object	Description	Spot Date
		2404						
24	2403	Mod ditch 2404	2	38	Pottery (Mod)	MOD	slip lined redware	L18th-19th
26	2600	Topsoil	3	92	CBM	Chimney	red earthenware chimney sherd	19th-present
26	2600	Topsoil	6	19	Pottery (Mod)	MOD	blue banded, blue trans printed, slip lined redware	19th-present
30	3000	Topsoil	1	3	Clay Pipe	Stem	narrow bore	18th-e.20th
30	3000	Topsoil	1	11	Glass	Bottle	white opaque jar sherd	19th-present
30	3000	Topsoil	2	4	Pottery (Mod)	MOD	blue trans printed, whiteware	19th-present
33	3300	Topsoil	8	26	Pottery (Mod)	MOD	whiteware, blackware, porcelain, blue trans printed, red earthenware	19th-present
34	3400	Topsoil	1	13	Copper Alloy	Spoon?	handle and fragment of bowl	PM-Mod
34	3400	Topsoil	2	31	Glass	Bottle	natural and green sherds	19th-present
34	3400	Topsoil	1	28	Iron	Shaft	with nut in place?	
34	3400	Topsoil	1	155	Iron	Horseshoe	one web of shoe, thick, no features visible	19th-present
34	3400	Topsoil	1	56	Iron	Chunk	rectangular	Mod
34	3400	Topsoil	1	83	Iron	Chunk	square	Mod
34	3400	Topsoil	22	91	Pottery (Mod)	MOD	stoneware, blackware, blue trans printed, blue banded, creamware	19th-present
34	3400	Topsoil	1	4	Stone	Button	Two-holed, plano-convex	Mod?
43	4300	Topsoil	1	6	Glass	Bottle	green rim sherd	19th-present
43	4300	Topsoil	1	41	Iron	Spike	square section shaft, narrowing at one end	Mod
43	4300	Topsoil	4	12	Pottery (Mod)	MOD	blue trans printed, blue banded	L18th-present

Appendix VII – Retent Sample Results

Context Number	Sample Number	Feature	Sample Vol (l)	Lithics	Burnt bone	Unburnt bone	Shell	Charcoal		Material available for AMS Dating	Comments
					Mammal	Mammal	Terrestrial	Quantity	Max Size (mm)		
605	1	ditch fill	40	+			+++	+	8	No	
1306	2	ditch fill	40			+		+	5	No	Small indeterminate animal bone fragments <5mm
606	3	ditch fill	40			+	+++	+		No	Small indeterminate animal bone fragments <5mm. Charcoal not retained
1309	4	ditch fill	40		+					No	
Key: + = rare (0-5), ++ = occasional (6-15), +++ = common (15-50) and ++++ = abundant (>50) NB charcoal over 1cm is suitable for identification and AMS dating											

Appendix VIII – Flotation Sample Results

Context Number	Sample Number	Feature	Total flot Vol (ml)	Other Charred plant remains	Charcoal Quantity	Charcoal Max size (mm)	Material available for AMS	Comments
605	1	ditch fill	100	<i>Chenopodium</i> sp.	+	1	No	
1306	2	ditch fill	10		+	1	No	
606	3	ditch fill	40		+	1	No	Modern roots and frequent snail shells
1309	4	ditch fill	50	<i>Chenopodium</i> sp.	+	10	Yes	Charcoal non-oak
Key: + = rare (1-5), ++ = occasional (6-15), +++ = common (16-50) and ++++ = abundant (>50) NB charcoal over 1cm is suitable for identification and AMS dating								