Cotswold Archaeology

Medebridge Solar
Land off Fen Lane and Medebridge Road
South Ockendon
Essex

Archaeological Evaluation

for:
Medebridge Solar Ltd

CA Project: SU418
CA Site Code: THFL22
CA Report: SU0418_1

July 2022

Andover Cirencester Milton Keynes Suffolk

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SUMMARY

Project name:	Medebridge Solar
Location:	Land at Fen Lane and Medebridge Road, South Ockendon, Essex
NGR:	560968 184625
Type:	Evaluation
Date:	23 May – 28 June 2022
Planning reference:	21/02159/FUL
Location of Archive:	To be deposited with Thurrock Museum and the Archaeology Data Service (ADS)
Accession Number:	TBC
Site Code:	THFL22

Between May and June 2022, Cotswold Archaeology carried out an archaeological evaluation of land at Fen Lane and Medebridge Road, South Ockendon, Essex, at the request of Planet Planning, acting on behalf of Medebridge Solar Ltd. A total of 239no. trenches were excavated across the 72ha development site, comprising areas A to C.

The results of the trial trenching partially confirmed those of a preceding geophysical survey, which identified a number of post-medieval and modern former boundary ditches in Areas A and C. A modern drain system of plastic drainage pipes covered by layers of fired clay pellets was also identified in Area B, matching a regularly spaced set of geophysical anomalies along the eastern edge of the Mardyke.

In the north-eastern portion of Area A, a number of parallel-running small, roughly east/west aligned ditches were identified, likely representative of agricultural strip fields of Late Iron Age/Romano-British date.

The few features encountered in Area B remained undated and did not correspond with any of the geophysical anomalies, while the geophysical anomalies that were mapped in this area in turn did not correspond with any sub-surface features.

In Area C, a cluster of small pits and ditches was encountered in Trenches 233-235, partially overlain by deep deposit sequences suggestive of extensive seasonal flooding from the nearby Mardyke. The small-scale ditches and pits are likely representative of agricultural activity in the hinterland surrounding the contemporary settlement identified to the north-east

of the current site, at Bulphan Fen. The deposit sequences encountered in the south-eastern portion of Area C, across trenches 225-229 and 235-236 correspond with an alluviated natural channel or low-lying area subject to flooding indicated on geological mapping, and also match similar deposits recorded as part of the Lower Thames Crossing evaluations in the adjacent fields to the east.

The lack of archaeological features across much of the Site is likely reflective of the seasonal tendency to flood, as indicated by the alluvial deposits encountered particularly in the immediate vicinity of the Mardyke, and the resulting unsuitable nature of much of the proposed development area for anything other than agricultural or pastoral activity. Further from the course of the Mardyke, archaeological remains (where encountered) were affected by plough truncation due to a lack of protective overburden, with only thin topsoil deposits directly covering the features and natural substrate.

1. INTRODUCTION

1.1. Between May and June 2022, Cotswold Archaeology (CA) carried out an archaeological evaluation of land at Fen Lane and Medebridge Road, South Ockendon, Essex (centred at NGR: 560968 184625; see Fig. 1) at the request of Planet Planning, acting on behalf of Medebridge Solar Ltd.

1.2. Planning permission (ref: 21/02159/FUL) has been granted by Thurrock District Council, the local planning authority (LPA), for *Installation of renewable energy generating station comprising ground-mounted photovoltaic solar arrays together with substation, inverter/transformer stations, site accesses, grid connection cables, internal access tracks, security measures, access gates, other ancillary infrastructure and landscape and biodiversity enhancements* on *Land Off Fen Lane And Medebridge Road South Ockendon Essex*.

1.3. Planning permission is subject to conditions, two of which, 11 and 12, relate to a programme of *archaeological work and mitigation* and *archaeology – post excavation assessment* respectively.

1.4. Condition 11 states:

ARCHAEOLOGICAL WORK AND MITIGATION

11 No demolition/development or preliminary groundworks shall take place until the Applicant or their successors in title has secured the implementation of a programme of archaeological work in accordance with a written scheme of investigation and specification which has been submitted to and approved in writing by the local planning authority. Following on from the works of investigation, no demolition/development or preliminary groundworks shall take place until the outcome of the investigations have been submitted to and agreed in writing with the local planning authority. The outcome of the investigations shall also detail any further safeguarding measures to ensure preservation in situ of any important archaeological remains and / or further archaeological investigation, such agreed measures shall be employed in accordance with the agreed scheme and timetable.

Reason: To ensure appropriate assessment of the archaeological implications of the development and the subsequent mitigation of adverse impacts in accordance

with Policy PMD4 of the adopted Thurrock LDF Core Strategy and Policies for the Management of Development [2015].

1.5. Condition 12 states:

ARCHAEOLOGY - POST EXCAVATION ASSESSMENT

12 The applicant will submit to the local planning authority a post excavation assessment (to be submitted within six months of the completion of the fieldwork, unless otherwise agreed in advance with the Local Planning Authority). This will result in the completion of post excavation analysis, preparation of a full site archive and report ready for deposition at the local museum, and submission of a publication report.

Reason: To ensure that investigation and recording of any remains takes place in accordance with Policy PMD4 of the adopted Thurrock LDF Core Strategy and Policies for the Management of Development [2015].

1.6. The need for the archaeological investigation of the Site was identified by Essex Place Services (EPS; Richard Havis - Principal Historic Environment Consultant), in their capacity as archaeological advisor to the LPA, with the first stage of work to comprise a trench-based evaluation, to which this report pertains.

1.7. The fieldwork was carried out in accordance with a *Written Scheme of Investigation for archaeological evaluation*, produced by CA (2022) and approved by EPS, the *Standards for Field Archaeology in the East of England* (Gurney 2003), the *Standard and guidance for archaeological field evaluation* (CIfA 2014; updated October 2020), *Management of Research Projects in the Historic Environment (MoRPHE) PPN 3: Archaeological Excavation* (Historic England 2015) and *Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide* (Historic England 2015). Monitoring was carried out by Richard Havis of EPS by way of two site visits, conducted on 10 June and 21 June 2022.

The site

1.8. The Site is located c. 2km north-east of the village of South Ockendon, covering an area of c. 72ha currently in use for arable cultivation. The Site is comprised of three fields (see Fig. 2), one to the north (Field A), one to the east (Field B) and one in the

south (Field C), which are linked by a hardstanding single track roadway. Field A is bordered to its north by a golf course; Field C is bounded to the north and west by landfill. Field B is truncated by a network of drainage ditches; the ditches lead to Mardyke (river) which runs to the east of Field B and joins the River Thames at Purfleet c. 7.8km south-west of the southern extent of Field C. The Site sits in the shallow valley of Mardyke, at c. 5m aOD (above Ordnance Datum) and is largely level.

1.9. The Site sits on a bedrock geology of London Clay Formation clay, silt and sand, a sedimentary bedrock formed between 48 and 56 million years ago during the Palaeogene period, when the local environment was dominated by deep seas (BGS 2022).

1.10. The superficial geology is mixed across the Site due to the influence of the Mardyke (river) which runs to the east. Field A has a superficial geology of Head deposits, composed of clay, silt, sand and gravel which formed up to 3 million years ago during the Quaternary Period, when the local environment was dominated by subaerial slopes. The superficial geology in Field B is classified as Alluvium, comprising clay, silt, sand and gravel which formed up to 2 million years ago during the Quaternary period when the local environment was dominated by rivers. Field C is spilt between Head deposits in the north and Alluvium deposits in the south of the field (British Geological Survey 2021). Made ground deposits to the west of the Site comprise landfill deposits associated with the modern use of this ground as an active landfill site (CA 2021).

2. ARCHAEOLOGICAL BACKGROUND

2.1. The archaeological background of the Site has previously been presented in detail as part of an Archaeological Desk-based Assessment (CA 2021), and geophysical survey (SUMO 2021). A separate solar farm development to the east of the present Site, at Bulphan Fen, has also recently been the subject of detailed archaeological investigations (CA 2022), while areas evaluated as part of the Lower Thames Crossing scheme are also located immediately adjacent to the Site (OCA 2022). A detailed archaeological and historical background to the Site and surrounding area can be found in the Archaeological Desk-based Assessment (CA 2021) and a brief summary of the results of recent archaeological fieldwork within and in the vicinity of the Site is presented below.

Previous archaeological investigations

2.2. In August and September 2021, a geophysical survey was undertaken within the Site in relation to this proposal (SUMO 2021). This revealed little of archaeological interest with features of field boundaries and agricultural land drains identified across the Site. However, as a number of cropmarks observed on the Site were not detected by the survey then it cannot be ruled out that further as yet unknown features are present within the Site.

2.3. Investigations undertaken by Oxford-Cotswold Archaeology (OCA 2022) in the immediate vicinity of the Site in relation to the Lower Thames Crossing (LTC) route have identified remains mainly associated with agricultural activity of later prehistoric to Iron Age to Roman date. Field boundary or drainage ditches were encountered across the evaluated area, predominantly running broadly north – south and seemingly of later prehistoric date. On the north-west bank of the Mardyke river, near to Area B of the Site, evidence of Middle Bronze Age and Iron Age/ Roman activity has been recorded, including pits, ditches and gullies in the fields adjacent to the Site. Alluvial deposits associated with the Mardyke were also identified; however, these have not been found to seal archaeological remains. A probable medieval moat was also identified in LTC Parcel 45d, located to the west of Area B.

2.4. Archaeological investigations were undertaken in relation to Bulphan Fen Solar Scheme to the east of the Site. A geophysical survey (Wessex Archaeology 2020) identified a variety of anomalies of likely archaeological origin, including in the central part of the Site, a notable grouping of anomalies, including enclosures and circular features which may represent a small settlement. Trial trench evaluation at this site (CA 2022) identified a larger number of archaeological features than suggested by the geophysical survey, which while generally successful in detecting substantial features did not identify some more-slowly silted/ infilled ditches and smaller discrete features. The trenching identified remains of Middle Bronze Age and Iron Age and Roman date, predominantly located on subtle rises in the landscape, indicating that perhaps during the time which the surrounding landscape was fenland these areas were more suitable for habitation and settlement.

2.5. In 1993 watching brief works undertaken in connection with the installation of a gas pipeline across part of Area B identified prehistoric worked and burnt flints,

predominantly within alluvial deposits associated with the Mardyke river. However, no cut features of prehistoric date were found within the investigated part of the Site, although features of Bronze Age date were present on the east side of the Mardyke (Birbeck and Barnes 1994).

3. AIMS AND OBJECTIVES

3.1. The general objective of the evaluation was to provide further information on the likely archaeological resource within the site, including its presence/absence, character, extent, date and state of preservation. This information will enable the LPA, as advised by EPS, to identify and assess the particular significance of any archaeological heritage assets within the site, consider the impact of the proposed development upon that significance and, if appropriate, develop strategies to avoid or minimise conflict between the conservation of those heritage asset and the development proposals. This process is in line with the *National Planning Policy Framework* (MHCLG 2021). A further objective of the project was to compile a stable, ordered, accessible project archive.

3.2. The specific objective of the evaluation was to investigate features of probable and possible archaeological origin identified by the geophysical survey (SUMO 2021), to confirm the presence or absence of any archaeological features in those areas which appear devoid of features, and to act as a means of prospection for remains of a type or period that may not respond to gradiometer survey.

3.3. During the course of the fieldwork the results were assessed with reference to the regional research objectives outlined in *Research and Archaeology Revisited: A Revised Framework for the East of England* (Medlycott 2011) and the online *East of England Regional Research Framework for the Historic Environment* (https://researchframeworks.org/eoe/). However, due to the low levels of archaeology encountered, any potential to contribute to research themes is limited.

4. METHODOLOGY

4.1. The evaluation comprised the excavation of 239no. trenches, each measuring 30m long by 1.8m wide, in the locations shown on Figure 2. The trenches were located to test geophysical anomalies, cropmarks, areas of known archaeological potential and to provide a sample of the remainder of the site through the targeted trenching of the location of solar farm infrastructure including road, inverter stations etc.

4.2. Trenches were set out on OS National Grid co-ordinates using Leica GPS and scanned for live services by trained CA staff using CAT and genny equipment, in accordance with the CA Safe System of Work for avoiding underground services. Overburden was stripped from the trenches by a mechanical excavator fitted with a toothless grading bucket. All machining was conducted under archaeological supervision to the top of the natural substrate, which was the level at which archaeological features were first encountered.

4.3. Archaeological features/deposits were investigated, planned and recorded in accordance with *CA Technical Manual 1: Fieldwork Recording Manual*.

4.4. Deposits were assessed for their palaeoenvironmental potential, and samples were taken in accordance with *CA Technical Manual 2: The Taking and Processing of Environmental and Other Samples from Archaeological Sites*. In addition to standard bulk soil samples taken from feature fills, two monolith sequences were also recovered, at the request of Richard Havis of EPS, from deep deposit sequences encountered at the southern end of Area C.

4.5. Artefacts were processed in accordance with *CA Technical Manual 3: Treatment of Finds Immediately after Excavation*.

4.6. CA will make arrangements with Thurrock Museum for the deposition of the project archive and, subject to agreement with the legal landowner(s), the artefact collection. A digital archive will also be prepared and deposited with the Archaeology Data Service (ADS). The archives (museum and digital) will be prepared and deposited in accordance with Thurrock Museum guidelines and the *Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives* (CIfA 2014; updated October 2020).

4.7. A summary of information from this project, as set out in Appendix D, will be entered onto the OASIS online database of archaeological projects in Britain.

5. RESULTS

5.1. This section provides an overview of the evaluation results. Detailed summaries of the recorded contexts are given in Appendix A. Details of the artefactual material recovered from the site are given in Section 6 and Appendix B. Details of the

environmental samples (palaeoenvironmental evidence) are given in Section 7 and Appendix C.

5.2. The results of the trial trenching partially confirmed those of the preceding geophysical survey, which identified a number of post-medieval and modern former boundary ditches in Areas A and C. A modern drain system was also identified in Area B, matching a regularly spaced set of geophysical anomalies along the eastern edge of the Mardyke.

5.3. Across all areas the more ephemeral geophysical anomalies were generally not identified while, conversely, many of the slowly-silted ditches that were encountered had not generated a corresponding anomaly.

Blank trenches (Fig. 6-8)

5.4. No archaeological features or deposits of any kind were encountered in Trenches 1-9, 11-18, 20-40, 42-80, 82-122, 124-132, 134-138, 140-189, 194-197, 199-203, 205-206, 208-209, 215, 217-218, 220-222, 225-227, 229, 231-232, and 236-239. These trenches will not be discussed in any further detail as part of this report. A selection of blank trench photographs is presented in Figures 6-8.

Geology (Fig. 9)

5.5. The underlying geology across the Site was relatively consistent, comprising mid to light yellow and orange brown silty clay with occasional flint and chalk inclusions. Across Area A, this was overlain directly by ploughsoil comprising mid grey brown silty clay, measuring on average 0.34m thick.

5.6. In Area B, the natural substrate was covered in Trenches 105, 119-123, 125, 128, 131, 136, 139, 143, and 156-158 by subsoil deposits of mixed grey brown and orange brown silty clay, ranging in thickness between 0.23m and 0.6m. This in turn was covered by ploughsoil measuring between 0.23m and 0.34m thick. In all other trenches in this area, the substrate was overlain directly by ploughsoil.

5.7. At the south-eastern end of Area C, Trenches 223, 225-227, 229, 230, 235, and 236 revealed deep deposit sequences of alluvial material relating to seasonal flooding due to the proximity of the Mardyke river. The location of these trenches correlates with Soilscapes mapping which indicates the presence of floodplain soils

with a naturally high water table along this stretch of the Site boundary (Cranfield 2022).

5.8. At the request of Richard Havis of EPS, monolith sample sequences were recovered from Trenches 226 and 235, in order to obtain a full record of the deposit sequence, although these were not required to be processed at this stage. The samples/ deposit sequence here may tie into more extensive geoarchaeological research carried out as part of the Lower Thames Crossing works (OCA 2022).

Modern drainage system in Area B (Fig. 10)

5.9. A series of small linear enclosures was identified by the geophysical survey along the eastern edge of the Site, extending west off the Mardyke river. Drains were encountered within trenches 136, 138-140, and 142, in the locations indicated by the geophysical survey. It was noted that the construction of these drains was markedly different to others encountered across the remainder of the Site, comprising plastic pipes covered by a layer of small, fired clay pebbles (see Fig. 10).

Area A, Trench 10 (Fig. 11)

5.10. A single east/west aligned ditch (1002) was encountered in Trench 10, measuring 0.74m wide and 0.26m deep with steep sides and a concave base. The feature, which had not been identified by the preceding geophysical survey, contained a single fill (1003) of dark grey brown silty clay which contained a fragment of Late Iron Age/Early Roman pottery.

Area A, Trench 19 (Fig. 12)

5.11. A narrow ditch (1902) crossed the trench, running on an east/west alignment, that had not been identified by the geophysical survey. The feature measured 0.4m wide and 0.21m deep, with steep straight sides and a narrow, concave base, and contained a single fill (1903) of mid grey brown silty clay. No finds were recovered.

Area A, Trench 21 (Fig. 13)

5.12. Trench 21 revealed another east/west aligned ditch (2102), measuring 0.6m wide and 0.27m deep, with steep, concave sides and a concave base. The feature contained a single sterile fill of mid brown silty clay. Similar to the other features encountered in this area, ditch 2102 was not identified by the geophysical survey.

Area A, Trench 41 (Fig. 14)

5.13. Another east/west aligned ditch (4102) was investigated in Trench 41, measuring 0.62m wide and 0.21m deep, with steep concave sides and a flat base. The single fill (4102) comprised mottled mid grey brown and orange silty clay with frequent manganese, which produced small fragments of Roman pottery.

Area A, Trenches 81 and 83 (Fig. 15)

5.14. Trenches 81 and 83 were located to test a roughly north/south aligned geophysical anomaly matching a historic field boundary marked on early edition Ordnance Survey mapping between 1888 and 1913. In Trench 81, the ditch (8102) measured 1.7m wide and 0.55m deep, with steep sides and a concave base, and was filled by a single deposit (8103) of dark grey brown clayey silt. Fragments of late 18th to 20th century pottery, ceramic building material, and modern plastic waste were recovered from the fill.

5.15. In Trench 83, the feature was recorded in plan only.

Area B, Trench 123 (Fig. 16)

5.16. A single north-west/south-east aligned ditch (12304) was encountered in Trench 123, measuring 0.46m wide and 0.13m deep with concave sides and a concave base. The feature contained a single sterile fill (12305) of mid grey brown silty clay, and was not identified by the geophysical survey. This is possibly due to the ditch being covered by several layers of alluvial deposits (12301/12302).

Area B, Trench 133 (Fig. 17)

5.17. Trench 133 contained a small north-west/south-east aligned ditch (13302), measuring 0.88m wide and 0.2m deep, with concave sides and a concave base. The single sterile fill (13303) comprised mid grey brown silty clay. The feature was not identified by the geophysical survey.

Area B, Trench 139 (Fig. 18)

5.18. A single north-east/south-west aligned ditch (13903) was investigated in Trench 139, measuring 0.25m wide and 0.12m deep, with shallow concave sides and a concave base. A single fill (13904) of mid brown silty clay produced no finds and the feature was not identified by the geophysical survey.

Area B, Trench 145 (Fig. 19)

5.19. Trench 145 contained a single north/south aligned ditch (14502), which was not identified by the geophysical survey but was aligned parallel to the modern field boundary immediately to the west. The feature measured 0.9m wide and 0.4m deep, with concave sides and a concave base. The single fill (14503) comprised mid brown silty clay and contained three fragments of heat-affected flint.

Area C, Trenches 190, 191 and 193 (Fig. 20)

5.20. The line of a roughly north-east/south-west aligned former field boundary ditch is marked on Ordnance mapping dating to between 1888 and 1913 and was identified by the geophysical survey. Trenches 190, 191 and 193 were located to investigate the feature, and the ditch was recorded in plan in Trenches 191 and 193 and investigated by hand-excavation in Trench 190, in the form of ditch 19002.

5.21. Ditch 19002 measured 2.38m wide and 0.64m deep, with concave sides and a flat base. The feature contained a single fill (19003) of dark brown silty clay which produced a fragment of modern land drain that was not retained.

Area C, Trench 192 (Fig. 21)

5.22. A single north-east/south-west aligned ditch (19202) was investigated in Trench 192, running parallel to the post-medieval boundary ditch recorded in Trenches 190/191/193 but not matching any geophysical anomaly.

5.23. Ditch 19202 measured 0.64m wide and 0.16m deep, with steep sides and an undulating base, and was filled by a single deposit (19203) of mid yellow brown silty clay which produced no finds.

Area C, Trenches 198, 207, 224, and 235 (Fig. 22, 27, 30)

5.24. A second former field boundary ditch was identified by the geophysical survey, corresponding with a boundary depicted on Ordnance Survey mapping between 1888 and 1913, bisecting the southern half of Area C and running on a north-west/south-east alignment before turning towards the south-west and continuing parallel to the southernmost Site boundary. The corresponding ditch was recorded in plan in Trenches 207 and 224 and investigated by hand-excavation in Trenches 198 and 235.

5.25. North-west/south-east aligned ditch 19802, in Trench 198, measured 1.4m wide and 0.55m deep, with slightly concave sides and a narrow concave base, and contained two fills; a sterile slumping deposit (19803) on the north-eastern side of the feature, comprising light orange brown silty clay, was overlain by a second fill (19804) of mid orange brown silty clay which produced two flint flakes and one fragment of burnt flint. The feature was truncated by a recut (19805) measuring greater than 0.25m wide and 0.35m deep, with a slightly concave south-western side and a narrow concave base, which contained a single fill (19806) of mid orange brown silty clay that produced two post-medieval clay pipe stems, two iron nails, and a fragment of ceramic building material. This in turn was truncated by a second recut, 19807, measuring 0.9m wide and 0.32m deep with concave sides and a concave base, filled by a single sterile deposit of dark grey brown silty clay (19808).

5.26. Further to the south, in Trench 235, north-east/south-west aligned ditch 23503 measured 1.05m wide and 0.4m deep, with steep, stepped sides and a concave base. The feature was filled by a single sterile deposit (23504) comprising mid grey brown silty clay. It was noted that ditch 23503 was cut into the lowest (23511) of a number of likely alluvial layers which were encountered within the trenches at the south-eastern end of the Site.

5.27. Further to the south-east within Trench 235, pit 23505 measured 0.5m in diameter and 0.19m deep, with concave sides and a concave base. The feature was covered by alluvial layer 23511 and contained a single fill (23506) which produced a large assemblage (54 sherds) of Early Iron Age pottery fragments, possibly belonging to a single broken vessel.

Area C, Trench 210 (Fig. 23)

5.28. East/west aligned ditch 21002, in Trench 210, did not correspond with any geophysical anomaly or historic field boundary line. The feature measured 0.61m wide and 0.17m deep, with steep sides and a slightly concave base, and contained a single fill (21003) of mid red brown silty clay which produced no finds.

Area C, Trenches 211 and 216 (Fig. 24, 26)

5.29. Trench 211 revealed two intercutting east/west aligned ditches (21102 and 21105) which did not correspond with any geophysical anomalies. The earlier of the two features, ditch 21102, measured 1.8m wide and 0.75m deep, with steep, slightly

stepped sides and a flat base. A lower fill (21103) of light yellow brown and blue grey silty clay produced a fragment of Early Iron Age pottery and a flint flake, as well as a large brick fragment. This was sealed by a sterile upper deposit (21104) of mid red grey silty clay.

5.30. The southern side of ditch 21102 was truncated by recut 21105, measuring 1.19m wide and 0.24m deep, with concave sides and a flat base. A single fill (21106) of dark grey brown silty clay produced no finds.

5.31. Further to the west, east/west aligned ditch 21602 in Trench 216 may represent a continuation of the line marked by ditch 21102/21105 to the east. Ditch 21602 measured 2.6m wide and 0.6m deep, with concave sides and a wide, flat base. A sterile lower fill (21603) of light red brown silty clay was overlain by an upper deposit (21604) of mid grey brown silty clay which contained a mostly intact clay smoking pipe bowl as well as two stems, all dating to the post-medieval period.

Area C, Trench 219

5.32. A large shallow feature (21902) was investigated in Trench 219, measuring 5.75m wide and 0.14m deep, with gently sloping sides and an irregular base. The single fill (21903), comprising mid grey yellow silty clay, produced fragments of late 12th to early 14th century pottery and two roof tile fragments as well as modern plastic waste. It is likely that the feature represents a natural hollow which was infilled in an attempt to level the ground.

Area C, Trench 233 (Fig. 28)

5.33. Two ditches (23302 and 23304) and a posthole (23306) were encountered within Trench 233, with neither of the linear features matching any geophysical anomalies. Ditch 23302 crossed the northern end of the trench, running on a roughly north/south alignment, measuring 0.61m wide and 0.2m deep with steep sides and a flat base. The single fill (23303) of mid blue grey silty clay contained one fragment of Roman pottery.

5.34. Near the centre of the trench, ditch 23304 was aligned north-west/south-east, measuring 0.75m wide and 0.24m deep with steep sides and a concave base. The feature contained a single fill (23305) of mid orange brown silty clay which produced a fragment of Early Iron Age pottery, as well as several fragments of burnt flint and fired clay.

5.35. Posthole 23306 was located between the two ditches, measuring 0.2m in diameter and 0.21m deep, with vertical sides and a concave base. The feature contained a single fill (23307) of dark orange brown silty clay which produced three fragments of burnt flint.

Area C, Trench 234 (Fig. 29)

5.36. Two pits (23402 and 23404) were encountered in Trench 234. Circular pit 23402 was located near the centre of the trench, measuring 0.68m in diameter and 0.35m deep, with concave sides and a concave base. The sterile fill (23403) comprised light blue grey silty clay.

5.37. Near the north-western end of the trench, pit 2304 was only partially exposed within the trench, extending from the north-eastern limit of excavation. As seen, the feature measured 1.12m long, 0.4m wide, and 0.2m deep, with moderately sloping sides and a flat base. The single fill (2305) of light blue grey silty clay contained no finds.

6. THE FINDS

6.1. The artefactual material was recovered from 16 deposits: the fills of ditches, pits, postholes and layers and from the topsoil (Appendix B). The material was recovered by hand and is recorded in accordance with the CIfA finds Toolkit (CIfA 2021).

Pottery by Peter Banks

6.2. The pottery from the evaluation has been recorded direct to an Excel spreadsheet from which Appendix B (Table 1) is derived. This forms part of the project archive. The assemblage was examined by context, using a x10 binocular microscope and quantified according to sherd count and weight per fabric type. The fabrics are described in summary in Appendix B (Table 2) in accordance with the national guidelines (Barclay et al. 2016) and where appropriate a concordance with the National Roman Fabric Reference Collection (Tomber and Dore 1998) and the Essex fabric series, classified by Chelmsford Archaeological Trust (Biddulph et.al. 2015), has been provided. The post-Roman fabric codes are derived from Sue Anderson's (unpublished) post-Roman fabric series.

6.3. The assemblage comprises 102 sherds, weighing 809g. It is in moderately poor condition, with surfaces and fractures exhibiting heavy signs of wear in many cases. The mean sherd weight is relatively low at just 7.9g.

Late prehistoric

6.4. A total of 56 sherds (505g) of handmade flint-tempered pottery (FL) can be dated to the late prehistoric period. Feature (rim and decorated) sherds are almost entirely absent. The use of flint-temper was common throughout much of prehistory in the Essex region (Brudenell 2012), however, based on the coarseness of the flint inclusions and the firing characteristics, this group most likely dates to the Late Bronze Age/Early Iron Age.

Late Iron Age/Roman

6.5. One sherd (3g) of grog-tempered pottery (**SOB GT**), recovered from ditch 1002, probably dates to the Late Iron Age/Early Roman transitional period. Two sherds (37g) of Roman black fired sandy wares (UNS BSW) were also recorded from ditches 4102 and 23302. No diagnostic material was present.

Medieval

6.6. Pit 21902 produced 38 sherds (182g) of medieval London-type wares (LOND), dating to between the late 12th to early 14th centuries. Feature sherds included a jar rim, two sherds with applied thumb strips and two glazed sherds with a white under-slip.

Post-medieval/modern

6.7. Ditch 8102 produced a small group of post-medieval/modern pottery including a sherd of British stoneware (BSW), a bowl rim made in yellow ware (YELW) and three sherds of refined white earthenware (REFW), two with a transfer printed decoration (TPE). The former two fabrics most likely date to between the 17th to 19th centuries, whilst the refined white earthenware date to between the late 18th to 20th centuries.

Summary

6.8. The pottery provides evidence for activity during the Late Bronze Age/Early Iron Age, Late Iron Age and Roman, medieval and post-medieval/modern periods. The focus of activity appears to have taken place during the late prehistoric; a period which produced the largest and most widely distributed ceramic group. Pottery

assemblages from the other periods were either small or confined to isolated features. Due to the scarcity of diagnostic features it is not possible to provide any further meaningful commentary on the assemblage.

Ceramic Building Material (CBM) by Peter Banks

6.9. Seven fragments (766g) of ceramic building material (CBM) were recovered from four deposits. The assemblage was made in oxidised fine (fs) and medium sandy fabrics (ms), some with clay pellet (cp) or ferrous (fe) inclusions. Three fragments of tile and two fragments of brick came from ditch 8102 and pit 21902, and ditch 21102, respectively. Based on the fabrics, forms and characteristic of firing the assemblage most likely dates to the post-medieval or modern periods.

Fired clay by Peter Banks

6.10. Two fragments of fired clay (9g) were recovered from ditch 23304. They are made in an oxidised coarse sandy fabric with flint inclusions (csfl). Neither exhibits any diagnostic features.

Clay tobacco pipe by Peter Banks

6.11. Five fragments (35g) of clay tobacco pipe, including a plain bowl with a flat heel and four stems, were recorded from ditches 19807 and 21602. The assemblage can be broadly dated to the post-medieval period.

Flint/burnt flint by Peter Banks

6.12. A total of 18 fragments (267g) of flint were derived from seven deposits. Four flakes made in grey or yellow-brown flint were recovered from ditches 19802 and 21102 and the topsoil of trench 79. The remainder of the flint assemblage consists of burnt, unworked pieces (14 fragments, 211g).

Glass by Peter Banks

6.13. One fragment (3g) of blue-green vessel glass was recorded from ditch 8102. The fragment is most likely of post-medieval or modern date.

Metalwork by Peter Banks

6.14. Four fragments (60g) of metalwork came from three deposits. Three iron nails were recovered from ditches 19807 and 22402. All exhibit square shafts and are most likely handmade. A thin sheet of copper alloy derives from the topsoil of trench 103. It is roughly trapezoidal in plan with a small, perforated tab along the short edge.

The object is probably a fragment from a box or furniture fitting but cannot be closely date.

Further work and selection strategy by Peter Banks

6.15. The finds have been recorded in sufficient detail at this stage and no further work is required. The assemblage has the potential for further analysis and the pottery and flint are recommended for long-term curation. The remainder of the finds assemblage should be retained in the short-term and a decision made on their retention in light of any further works that may be carried out at the site, however it is unlikely that long-term curation of the fired clay, clay tobacco pipe, glass and post-medieval/modern CBM will be necessary.

7. THE BIOLOGICAL EVIDENCE

Palaeoenvironmental assessment by Emma Aitken

7.1. Three environmental samples (34 litres of soil) were processed from Area C, Trenches 233 and 235 from an evaluation assessment. This was done to evaluate the preservation of palaeoenvironmental remains in the area and with the intention of recovering environmental evidence of industrial or domestic activity on the site. It was also hoped that the environmental remains may aid in our understanding of features of possible archaeological origin identified by the geophysical survey (SUMO 2021). The samples were processed by standard flotation procedures (CA Technical Manual No. 2).

7.2. Preliminary identifications of plant macrofossils are noted in Table 3, following nomenclature of Stace (1997) for wild plants, and traditional nomenclature, as provided by Zohary et al (2012) for cereals.

7.3. The flots varied in size from small to moderately large with moderate to high numbers of rooty material and uncharred seeds. The charred material was generally poorly preserved which made it difficult to identify some of the charred cereal grains to species.

7.4. Any dates discussed within this report have been obtained through the dating of finds (see Banks, this report).

Area C, Trench 233

7.5. Two environmental samples (samples 1 and 2) were taken from Early Iron Age ditch 23304 and undated posthole 23306 (respectively) from Trench 233. Early Iron Age ditch 23304 is located towards the southern edge of Trench 233 with undated posthole 23306 centrally located. Both environmental assemblages contained very minimal amounts of charred plant remains, including indeterminate cereal grains and hulled wheat (emmer or spelt (*Triticum dicoccum/spelta*)) glumes fragments. Sample 2 also contained a single charred oat/brome grass (*Avena/Bromus* sp.) seed and a possible dock (*Rumex* sp.) seed. Charcoal was observed in small quantities in both assemblages. The environmental remains noted from both samples 1 and 2 are likely to be indicative of wind-blown/dispersed waste material.

Area C, Trench 235

7.6. Fill 23506 (sample 3) of Early Iron Age pit 23505 contained no charred plant remains and only a minimal amount of charcoal. This assemblage is likely to be indicative of wind-blown/dispersed waste material.

Summary

7.7. The environmental remains noted from Trench 233 and Trench 235 are likely to be representative of wind-blown/dispersed waste material and do not provide any indication of the possible use or function of their respective features, nor does it aid in the dating of undated posthole 23306. The paucity of environmental remains in these samples suggests that these features may be away from the main areas of domestic settlement activities in the Early Iron Age period

8. DISCUSSION

8.1. The results of the trial trenching partially confirmed those of the preceding geophysical survey, which identified a number of post-medieval and modern former boundary ditches in Areas A and C. A modern drain system of plastic drainage pipes covered by layers of fired clay pellets was also identified in Area B, matching a regularly spaced set of geophysical anomalies along the eastern edge of the Mardyke.

8.2. Across all areas the more ephemeral geophysical anomalies were generally not identified while, conversely, many of the slowly-silted ditches that were encountered had not generated a corresponding anomaly.

8.3. In the north-eastern portion of Area A, a number of parallel-running small, roughly east/west aligned ditches were encountered in the trenches, dating to the Late Iron Age/Romano-British periods. It is likely that the features represent agricultural strip fields. Due to the relative similarity of the feature fills with the surrounding natural substrate and their relatively insubstantial profiles the ditches were not identified by the geophysical survey.

8.4. A north/south aligned former field boundary ditch was also encountered in the southern portion of Area A, in the location indicated by the geophysical survey results as well as historic OS mapping.

8.5. The few features encountered in Area B, all ditches with one containing a small quantity of heat affected flint, remained undated due to a lack of diagnostic artefactual material, and none of the investigated features corresponded with any of the geophysical anomalies identified in this area. Along the eastern side of Area B, closest to the line of the Mardyke river, a system of plastic drainage pipes covered by layers of fired clay pellets was encountered, corresponding with a series of geophysical anomalies suggestive of small enclosures extending back off the river bank.

8.6. The low levels of activity encountered in Area B may at least be partially explained by the presence of alluvial subsoil deposits predominantly along the eastern edge of the area, suggesting that seasonal flooding may have rendered the areas immediately adjacent to the Mardyke unsuitable and/or unattractive for any type of long-term activity beyond those relating to agricultural/ seasonal grazing etc..

8.7. The evaluation results in Area B also expand upon the results of earlier phases of trial trenching carried out as part of the Lower Thames Crossing pre-enabling works (OCA 2022). In Land Parcel 45D, immediately to the west and south-west of Area B, some evidence of Late Bronze Age/Early Iron Age agricultural field systems was encountered, with pottery sherds described as undiagnostic and quite fragmentary, possibly suggesting the utilisation of domestic waste for manuring.

8.8. In Area C, a cluster of features not identified by the geophysical survey were encountered in Trenches 233-235, partially overlain by deep deposit sequences suggestive of extensive seasonal flooding. The small-scale ditches and pits are likely representative of agricultural activity in the hinterland surrounding the

contemporary settlement identified to the north-east of the current site, at Bulphan Fen (see CA 2022a). It appears likely that the relatively low levels of activity in Area C, as well as the rest of the Site, are reflective of the close proximity to the Mardyke and resulting higher risk of seasonal flooding.

8.9. Lower Thames Crossing Land Parcels 45B (immediately to the east of Area C) and 45C (just to the north of 45B and south of Area B) also revealed evidence for agricultural activity, in the form of relatively small ditches demarcating fields or paddocks.

8.10. The deep deposit sequences encountered in the south-eastern part of Area C, across trenches 225-229 and 235-236, closely match a long, thin floodplain area indicated on Soilscapes mapping (Cranfield 2022) that coincides with an area of slightly lower ground compared to the remainder of the field extending south-west from the current line of the Mardyke. The deposits recorded within the trenches also match those recorded as part of the Lower Thames Crossing evaluations in the adjacent fields to the east (see OCA 2022), comprising relatively sterile alluvium separated by more organic layers consisting of possible buried soils or old land surfaces that may have begun to (re)form during drier periods before being covered by further flood deposits.

8.11. The lack of archaeological features across much of the Site is likely reflective of the seasonal tendency to flood, as indicated by the alluvial deposits encountered particularly in the immediate vicinity of the Mardyke, and the resulting unsuitable nature of much of the proposed development area for anything other than agricultural or pastoral activity. In the westernmost areas, away from the main “flood zones”, archaeological remains (where encountered) were affected by plough truncation due to a lack of protective overburden, with only thin topsoil deposits directly covering the features and the natural substrate.

9. CA PROJECT TEAM

9.1. Fieldwork was undertaken by Anna Wolf, assisted by Nat Pacholek, Eilidh Barr, Georgina Matthews, Trudy Craig, Rory Bateman, Sam Cross, and Rachel Westbrook. This report was written by Anna Wolf. The finds and biological evidence reports were written by Peter Banks and Emma Aitken, respectively. The report illustrations were prepared by Ryan Wilson. The project archive has been compiled

and prepared for deposition by Molly Agnew-Henshaw. The project was managed for CA by Adrian Scruby.

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APPENDIX A: CONTEXT DESCRIPTIONS

Trench No.	Context No.	Fill of	Type	Interpretation	Description	Length (m)	Width (m)	Depth (m)
1	100		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
1	101		layer	Natural	mid yellow brown clay silt	30	1.8	
2	200		layer	Ploughsoil	mid greybrown silty clay	30	1.8	0.3
2	201		layer	Natural	light grey brown silty clay	30	1.8	
3	300		layer	Ploughsoil	Mid grey brown silty clay	30	1.8	0.3
3	301		layer	Natural	light yellow brown clay silt	30	1.8	
4	400		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.2
4	401		layer	Natural	light yellow brown clay silt	30	1.8	
5	500		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
5	501		layer	Natural	light yellow brown clay silt.	30	1.8	
6	600		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
6	601		layer	Natural	light yellow brown clay silt	30	1.8	
7	700		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.4
7	701		layer	Natural	mid yellow brown sandy clay	30	1.8	
8	800		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.4
8	801		layer	Natural	Light yellow brown silty clay	30	1.8	
9	900		layer	Ploughsoil	mid grey brown silty clayl	30	1.8	0.3
9	901		layer	Natural	light yellow brown clay silt	30	1.8	
10	1000		layer	Ploughsoil	mid grey brown . Silty clay	30	1.8	0.3
10	1001		layer	Natural	light yellow brown clay silt	30	1.8	
10	1002		cut	Ditch	E/W aligned, steep sides, concave base	1.8	0.74	0.26
10	1003	1002	fill	Secondary Fill	dark grey brown silty clay, form, infrequent small stones	1.8	0.74	0.26
11	1100		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
11	1101		layer	Natural	Light yellow brown sandy clay	30	1.8	
12	1200		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
12	1201		layer	Natural	light yellow brown sandy clay	30	1.8	
13	1300		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.5
13	1301		layer	Natural	light yellow brown sandy clay	30	1.8	
14	1400		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.4
14	1401		layer	Natural	light yellow brown sandy clay	30	1.8	
15	1500		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk and small stones	30	1.8	0.39
15	1501		layer	Natural	Mid orange brown compact Sandy clay with common manganese and iron panning	30	1.8	
16	1600		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk	30	1.8	0.28
16	1601		layer	Natural	Mid orange brown compact Sandy clay with common manganese and iron panning	30	1.8	
17	1700		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
17	1701		layer	Natural	light yellow brown sandy clay	30	1.8	
18	1800		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.4

18	1801		layer	Natural	light yellow brown sandy clay	30	1.8	
19	1900		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk and small stones	30	1.8	0.35
19	1901		layer	Natural	Mid orange brown compact Sandy clay with common manganese and iron panning	30	1.8	
19	1902		cut	Ditch	E/W aligned, steep straight sides, narrow concave base	1.8	0.4	0.21
19	1903		fill	Secondary Fill	Mid grey brown silty clay, firm, infrequent manganese	1.8	0.4	0.21
20	2000		layer	Ploughsoil	mid grey brown firm sandy clay with common chalk	30	1.8	0.29
20	2001		layer	Natural	mid orange brown compact sandy clay	30	1.8	
21	2100		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
21	2101		layer	Natural	light yellow brown sandy silt	30	1.8	
21	2102		cut	Ditch	Linear E-W, moderate to steep concaved sides, rounded base	1.8	0.6	0.27
21	2103	2102	fill	Secondary Fill	Mid brown, silty clay compact firm	1.8	0.6	0.27
22	2200		layer	Ploughsoil	mid grey brown firm sandy clay with occasional small stone inclusions	30	1.8	0.32
22	2201		layer	Natural	mid orange brown firm sandy clay with common manganese	30	1.8	
23	2300		layer	Ploughsoil	Mid grey brown firm sandy clay with common small stone inclusions	30	1.8	0.32
23	2301		layer	Natural	mid brown orange compact sandy clay with common manganese	30	1.8	
24	2400		layer	Ploughsoil	Mid grey brown firm sandy clay with occasional small stone inclusions	30	1.8	0.27
24	2401		layer	Natural	mid orange brown compact sandy clay with common gravel	30	1.8	
25	2500		layer	Ploughsoil	Mid greyish brown firm sandy clay	30	1.8	0.34
25	2501		layer	Natural	mid orange brown firm sandy clay with common manganese	30	1.8	
26	2600		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.5
26	2601		layer	Natural	light grey brown sandy clay	30	1.8	
27	2700		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
27	2701		layer	Natural	mid orange brown sandy clay	30	1.8	
28	2800		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
28	2801		layer	Natural	light yellow brown Clay silt	30	1.8	
29	2900		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.35
29	2901		layer	Natural	light orange brown clay silt	30	1.8	
30	3000		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.4
30	3001		layer	Natural	light yellow brown clay silt	30	1.8	
31	3100		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.4
31	3101		layer	Natural	light yellow brown clay silt	30	1.8	
32	3200		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.3
32	3201		layer	Natural	light yellow brown clay silt	30	1.8	
33	3300		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.25
33	3301		layer	Natural	light yellow brown clay silt	30	1.8	
34	3400		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.3
34	3401		layer	Natural	light yellow brown clay silt	30	1.8	
35	3500		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.2
35	3501		layer	Natural	mid yellow brown clay silt	30	1.8	
36	3600		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.2

36	3601		layer	Natural	mid yellow brown clay	30	1.8	
37	3700		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.4
37	3701		layer	Natural	light yellow brown silty clay	30	1.8	
38	3800		layer	Ploughsoil	Mid grey brown firm sandy clay with occasional chalk	30	1.8	0.34
38	3801		layer	Natural	Mid brown orange compact sandy clay with occasional chalk inclusions	30	1.8	
39	3900		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk	30	1.8	0.34
39	3901		layer	Natural	Mid orange brown compact Sandy clay with common gravel and manganese	30	1.8	
40	4000		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk	30	1.8	0.31
40	4001		layer	Natural	Mid brown orange compact silty clay with frequent manganese	30	1.8	
41	4100		layer	Ploughsoil	Mid grey brown firm Sandy clay it's occasional chalk.	30	1.8	0.36
41	4101		layer	Natural	Mid orange brown compact Sandy clay with occasional chalk, common gravel and manganese.	30	1.8	
41	4102		cut	Ditch	NE/SW aligned linear ditch	2	0.62	0.21
41	4103	4102	fill	Secondary Fill	Mottled mid grey brown and orange silty clay, compact, some manganese	2	0.62	0.21
41	4104		cut	Ditch	NE/SW aligned linear ditch	2	0.4	0.21
41	4105	4104	fill	Secondary Fill	Mid grey brown silty clay, firm, infrequent manganese	2	0.4	0.21
42	4200		layer	Ploughsoil	Mid grey brown firm Sandy clay with common gravel and chalk	30	1.8	0.34
42	4201		layer	Natural	Mid orange brown compact Sandy clay with common gravel and frequent manganese and iron panning	30	1.8	
43	4300		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional small stones	30	1.8	0.4
43	4301		layer	Natural	Mid orange brown compact Sandy clay with common manganese and iron panning	30	1.8	
44	4400		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk	30	1.8	0.33
44	4401		layer	Natural	Mid brown orange compact Sandy clay with common manganese and iron panning	30	1.8	
45	4500		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk	30	1.8	0.28
45	4501		layer	Natural	Mid orange brown firm Sandy clay with common manganese and iron panning	30	1.8	
46	4600		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk	30	1.8	0.37
46	4601		layer	Natural	Mid orange brown compact Sandy clay with common manganese and occasional iron panning	30	1.8	
47	4700		layer	Ploughsoil	Mid grey brown firm Sandy clay with occasional chalk inclusions.	30	1.8	0.43
47	4701		layer	Natural	Mid orange brown compact Sandy clay with common small subangular stones.	30	1.8	
48	4800		layer	Topsoil	Mid grey brown sandy clay, friable with frequent stone inclusions	30	1.8	0.29
48	4801		layer	Natural	Mid brown yellow silty clay, compact with occasional chalk/manganese/iron oxide	30	1.8	
49	4900		layer	Topsoil	Mid grey brown sandy clay, friable with frequent stone inclusions	30	1.8	0.28

49	4901		layer	Natural	Mid brown yellow silty clay, compact with occasional chalk/manganese/iron oxide	30	1.8	
50	5000		layer	Topsoil	Mid grey brown sandy clay, friable with frequent stone inclusions	30	1.8	0.3
50	5001		layer	Natural	Mid brown yellow silty clay, compact with occasional chalk/manganese/iron oxide	30	1.8	
51	5100		layer	Topsoil	Mid grey brown sandy clay, friable with frequent stone inclusions	30	1.8	0.28
51	5101		layer	Natural	Mid brown yellow silty clay, compact with occasional chalk/manganese/iron oxide	30	1.8	
52	5200		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions	30	1.8	0.32
52	5201		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk flecks.	30	1.8	
53	5300		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
53	5301		layer	Natural	light yellow brown clay silt	30	1.8	
54	5400		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
54	5401		layer	Natural	light yellow brown clay silt	30	1.8	
55	5500		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.31
55	5501		layer	Natural	Light brownish yellow loamy clay, friable with frequent manganese flecks.	30	1.8	
56	5600		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone and chalk inclusions.	30	1.8	0.31
56	5601		layer	Natural	Light brown silty clay, compact with frequent orange mottling.	30	1.8	
57	5700		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone and chalk inclusions.	30	1.8	0.28
57	5701		layer	Natural	Light brown silty clay, compact with frequent orange mottling.	30	1.8	
57	5702		void					
58	5800		layer	Ploughsoil	mid grey brown clay silt	30	1.8	0.4
58	5801		layer	Natural	light orange brown sandy clay	30	1.8	
59	5900		layer	Ploughsoil	mid grey brown clay silt.	30	1.8	0.3
59	5901		layer	Natural	Mid yellow brown clay	30	1.8	
60	6000		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
60	6001		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk and manganese flecks.	30	1.8	
61	6100		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.26
61	6101		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk and manganese flecks.	30	1.8	
62	6200		layer	Ploughsoil	Mid grey brown clay silt	30	1.8	0.3
62	6201		layer	Natural	Light yellow brown clay	30	1.8	
63	6300		layer	Ploughsoil	Mid grey brown clay silt	30	1.8	0.4
63	6301		layer	Natural	Light yellow brown clay	30	1.8	
64	6400		layer	Ploughsoil	Mid grey brown, clay silt	30	1.8	0.4
64	6401		layer	Natural	Light yellow brown, silty clay	30	1.8	

65	6500		layer	Ploughsoil	Mid grey brown clay silt	30	1.8	0.2
65	6501		layer	Natural	Light yellow brown clay	30	1.8	
66	6600		layer	Ploughsoil	Mid grey brown clay silt	30	1.8	0.35
66	6601		layer	Natural	Light yellow brown clay	30	1.8	
67	6700		layer	Ploughsoil	Mid grey brown clay silt	30	1.8	0.2
67	6701		layer	Natural	Mid yellow brown clay sand	30	1.8	
68	6800		layer	Ploughsoil	Mid grey brown clay silt.	30	1.8	0.25
68	6801		layer	Natural	Light yellow brown sandy clay	30	1.8	
69	6900		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.31
69	6901		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
70	7000		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.32
70	7001		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
71	7100		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.33
71	7101		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
72	7200		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.34
72	7201		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
73	7300		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.31
73	7301		layer	Natural	Light brownish yellow loamy clay, friable with frequent manganese flecks.	30	1.8	
74	7400		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
74	7401		layer	Natural	Light brownish yellow loamy clay, friable with frequent manganese flecks.	30	1.8	
75	7500		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.31
75	7501		layer	Natural	Light brownish yellow loamy clay, friable with frequent manganese flecks.	30	1.8	
76	7600		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.3
76	7601		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
77	7700		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.29
77	7701		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
78	7800		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.3
78	7801		layer	Natural	Mid brownish yellow silty clay,	30	1.8	

					compact with occasional chalk flecks.			
79	7900		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.3
79	7901		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
81	8100		layer	Ploughsoil	Mid grey brown silty	30	1.8	0.31
81	8101		layer	Natural	Light orange brown clay	30	1.8	
81	8102		cut	Ditch	N/S aligned, steep sides, concave base	1.8	1.7	0.55
81	8103	8102	fill	Other Fill	Dark grey brown clay silt, plastic.	1.8	1.7	0.55
82	8200		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.29
82	8201		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
83	8300		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.3
83	8301		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
84	8400		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.29
84	8401		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
85	8500		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.29
85	8501		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
86	8600		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
86	8601		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
87	8700		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.29
87	8701		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
88	8800		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.28
88	8801		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
89	8900		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.29
89	8901		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
90	9000		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.29
90	9001		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
91	9100		layer	Ploughsoil	Mid greyish brown sandy clay, compact with infrequent stone	30	1.8	0.31

					inclusions.			
91	9101		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
92	9200		layer	Ploughsoil	Mid greyish brown sandy clay, compact with infrequent stone inclusions.	30	1.8	0.33
92	9201		layer	Natural	Mid brownish yellow silty clay, compact with some stones.	30	1.8	
93	9300		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.31
93	9301		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
94	9400		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.32
94	9401		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
95	9500		layer	Ploughsoil	Mid greyish brown sandy clay, compact with infrequent stone inclusions.	30	1.8	0.32
95	9501		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
96	9600		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.31
96	9601		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
97	9700		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.32
97	9701		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
98	9800		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.25
98	9801		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk inclusions.	30	1.8	
99	9900		layer	Ploughsoil	Mid greyish brown sandy clay, compact with infrequent stone inclusions.	30	1.8	0.36
99	9901		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk inclusions.	30	1.8	
100	10000		layer	Natural	Mid greyish brown sandy clay, compact with infrequent stone inclusions.	30	1.8	0.32
100	10001		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk inclusions.	30	1.8	
101	10100		layer	Ploughsoil	Mid greyish brown sandy clay, compact with infrequent stone inclusions.	30	1.8	0.33
101	10101		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
102	10200		layer	Ploughsoil	Mid brownish grey sandy clay, compact with infrequent stone inclusions.	30	1.8	0.32
102	10201		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
103	10300		layer	Ploughsoil	Mid greyish brown sandy clay, compact with infrequent stone	30	1.8	0.35

					inclusions.			
103	10301		layer	Natural	Mid brownish yellow silty clay, compact with occasional chalk flecks.	30	1.8	
104	10400		layer	Ploughsoil	Mid greyish brown sandy clay, compact with infrequent stone inclusions.	30	1.8	0.32
104	10401		layer	Natural	Mid brownish yellow silty clay, compact with infrequent chalk flecks.	30	1.8	
105	10500		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.15
105	10501		layer	Subsoil	Light grey brown firm silty clay	30	1.8	0.27
105	10502		layer	Natural	Mid orange brown with patches of light grey yellow, compact clay silt with common manganese and iron panning	30	1.8	
106	10600		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.33
106	10601		layer	Natural	Mid orange brown compact silty clay with common gravel and chalk	30	1.8	
107	10700		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.27
107	10701		layer	Natural	Mid orange brown compact clay silt with common manganese	30	1.8	
108	10800		layer	Ploughsoil	Mid grey brown loose silty clay our occasional small stones	30	1.8	0.27
108	10801		layer	Natural	Mid orange brown compact clay silt with common gravel, chalk and manganese	30	1.8	
109	10900		layer	Ploughsoil	Mid grey brown loose silty clay	30	1.8	0.31
109	10901		layer	Natural	Mid orange brown mottled with mid blue grey compact silty clay	30	1.8	
110	11000		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.31
110	11001		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
111	11100		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.37
111	11101		layer	Natural	Mid orange brown compact silty clay with common small stones and iron panning	30	1.8	
112	11200		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.37
112	11201		layer	Natural	Mid orange brown compact silty clay with occasional gravel	30	1.8	
113	11300		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.38
113	11301		layer	Natural	Mid orange brown compact silty clay with occasional gravel	30	1.8	
114	11400		layer	Ploughsoil	Mid grey brown loose silty clay with common small stones	30	1.8	0.34
114	11401		layer	Natural	Mid orange brown compact clay silt with common manganese and iron panning	30	1.8	
115	11500		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
115	11501		layer	Natural	Mid orange brown compact silty clay with occasional gravel and iron panning	30	1.8	
116	11600		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones.	30	1.8	0.27
116	11601		layer	Natural	Mid orange brown compact silty clay with common gravel	30	1.8	
117	11700		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.3
117	11701		layer	Natural	Mid orange brown compact silty clay with occasional iron panning	30	1.8	

118	11800		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
118	11801		layer	Natural	Mid orange brown compact silty clay with occasional iron panning	30	1.8	
119	11900		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.22
119	11901		layer	Subsoil	Light grey brown compact silty clay it's occasional iron panning	30	1.8	0.24
119	11902		layer	Natural	Mixed light grey blue with mid orange brown compact Sandy clay with frequent iron panning	30	1.8	
120	12000		layer	Ploughsoil	Mid grey brown loose silty clay with rare small stones	30	1.8	0.22
120	12001		layer	Subsoil	Light grey brown compact silty clay	30	1.8	0.18
120	12002		layer	Natural	Mottled mid orange brown with light brown grey compact Sandy clay with common iron panning and manganese	30	1.8	
121	12100		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.24
121	12101		layer	Alluvial Layer	Mottled mid grey brown and mid grey blue compact Sandy clay with common gravel and charcoal	30	1.8	0.6
121	12102		layer	Natural	Mid brown orange compact clay with frequent iron panning and manganese	30	1.8	
122	12200		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.32
122	12201		layer	Subsoil	Light grey brown compact silty clay with occasional iron panning	30	1.8	0.24
122	12202		layer	Natural	Mid orange brown compact silty clay with common iron panning	30	1.8	
123	12300		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.24
123	12301		layer	Alluvial Layer	Mid orange brown mottled with mid grey brown compact silty clay with occasional iron panning	30	1.8	0.13
123	12302		layer	Alluvial Layer	Light grey brown mottled with dark brown grey compact silty clay with occasional iron panning	30	1.8	0.32
123	12303		layer	Natural	Light grey brown compact clayey sand with frequent iron panning and manganese	30	1.8	
123	12304		cut	Ditch	E-W aligned, concave sides and base	1.8	0.46	0.13
123	12305	12304	fill	Secondary Fill	Mid greyish brown silty clay	1.8	0.46	0.13
124	12400		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.21
124	12401		layer	Natural	Mid orange brown clay with occasional iron panning	30	1.8	
125	12500		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.34
125	12501		layer	Alluvial Layer	Mixed dark grey brown and dark orange brown compact silty clay	30	1.8	0.48
125	12502		layer	Natural	Light grey brown compact silty clay with common iron panning and occasional small stones	30	1.8	
126	12600		layer	Ploughsoil	Mid grey brown loose silty clay it's occasional small stones	30	1.8	0.27
126	12601		layer	Natural	Mottled mid orange brown, light blue grey and mid blue grey compact silty clay with common iron panning	30	1.8	
127	12700		layer	Ploughsoil	Mid grey brown loose silty clay	30	1.8	0.28
127	12701		layer	Natural	Mottled mid orange brown with light blue grey compact silty clay with common iron panning	30	1.8	
128	12800		layer	Ploughsoil	Mid grey brown loose silty clay with rare small stones	30	1.8	0.25

128	12801		layer	Alluvial Layer	Dark grey brown loose clayey silt	30	1.8	0.29
128	12802		layer	Natural	Mottled mid grey brown and light grey blue compact silty clay with common iron panning and manganese	30	1.8	
129	12900		layer	Ploughsoil	Mid grey brown loose silty clay with rare small stones	30	1.8	0.26
129	12901		layer	Natural	Mottled light grey blue and mid orange brown compact silty clay with common manganese and iron panning	30	1.8	
130	13000		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.27
130	13001		layer	Natural	Mid orange brown compact silty clay it's occasional iron panning	30	1.8	
131	13100		layer	Ploughsoil	Mid grey brown loose silty clay with rare small stones	30	1.8	0.28
131	13101		layer	Alluvial Layer	Mixed mid orange brown and mid grey brown compact silty clay	30	1.8	0.43
131	13102		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
132	13200		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
132	13201		layer	Natural	Mid orange brown mottled with light blue grey compact clay with common iron panning	30	1.8	
133	13300		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.27
133	13301		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
133	13302		cut	Ditch	NW/SE aligned, irregular, concave base and sides	1.8	0.88	0.2
133	13303	13302	fill	Secondary Fill	Mid grey brown silty clay	1.8	0.88	0.2
133	13304		void					
134	13400		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.29
134	13401		layer	Natural	Mid orange brown compact clay with frequent iron panning and manganese	30	1.8	
135	13500		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.24
135	13501		layer	Natural	Mid orange brown compact silty clay with frequent iron panning and manganese	30	1.8	
136	13600		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
136	13601		layer	Subsoil	Mid grey brown firm silty clay	30	1.8	0.31
136	13602		layer	Natural	Mottled mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
137	13700		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.3
137	13701		layer	Natural	Mid orange brown compact clay with frequent iron panning and manganese	30	1.8	
138	13800		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.29
138	13801		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
139	13900		layer	Ploughsoil	Mid grey brown loose silty clay with rare small stones.	30	1.8	0.23
139	13901		layer	Alluvial Layer	Light grey brown mottled with dark grey brown compact silty clay	30	1.8	0.31
139	13902		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	

139	13903		cut	Poss. Ditch	NE/SW aligned, shallow, concaved sides, irregular concaved base	1.8	0.25	0.12
139	13904	13903	fill	Secondary Fill	Mid-light brown, silty clay, firm compact	1.8	0.25	0.12
140	14000		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.31
140	14001		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
141	14100		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.31
141	14101		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
142	14200		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
142	14201		layer	Natural	Mid orange brown compact silty clay with frequent iron panning and manganese	30	1.8	
143	14300		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.34
143	14301		layer	Subsoil	Light grey brown firm silty clay	30	1.8	0.25
143	14302		layer	Natural	Mottled light blue grey and mid orange brown compact Sandy clay with frequent iron panning and manganese	30	1.8	
144	14400		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
144	14401		layer	Natural	Mottled mid orange brown compact Sandy clay with common iron panning and manganese	30	1.8	
145	14500		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.27
145	14501		layer	Natural	Mid orange brown compact Sandy clay with frequent iron panning and occasional manganese	30	1.8	
145	14502		cut	Ditch	Linear N-S moderate,concaved sides, concaved base	1.8	0.9	0.4
145	14503	14502	fill	Secondary Fill	Mid brown,silty clay, compact firm	1.8	0.9	0.4
146	14600		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.29
146	14601		layer	Natural	Light orange brown compact Sandy clay with frequent iron panning and manganese	30	1.8	
147	14700		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.31
147	14701		layer	Natural	Mid orange brown compact Sandy clay with frequent iron panning and manganese	30	1.8	
148	14800		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.33
148	14801		layer	Natural	Mid orange brown compact silty clay with common iron panning and occasional manganese	30	1.8	
149	14900		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.22
149	14901		layer	Natural	Mid orange brown compact silty clay with occasional iron panning	30	1.8	
150	15000		layer	Ploughsoil	mid grey clay silt	30	1.8	0.3
150	15001		layer	Natural	light orange brown, patches of light grey brown, clay	30	1.8	
151	15100		layer	Ploughsoil	mid grey brown silty clay with patches of chalk	30	1.8	0.35
151	15101		layer	Natural	light orange brown with blue patches, clay silt	30	1.8	
152	15200		layer	Ploughsoil	mid grey brown silty clay with patches of chalk	30	1.8	0.35
152	15201		layer	Natural	light orange brown, sandy clay	30	1.8	

153	15300		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.4
153	15301		layer	Natural	Mid orange brown with blue patches, clay.	30	1.8	
154	15400		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.38
154	15401		layer	Natural	light orange brown clay	30	1.8	
155	15500		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.4
155	15501		layer	Natural	mid orange brown, clay	30	1.8	
156	15600		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.32
156	15601		layer	Alluvial Layer	Light brown grey firm silty clay with common iron panning	30	1.8	0.21
156	15602		layer	Alluvial Layer	Mottled light blue grey and mid orange brown compact clayey sand with frequent iron panning and manganese	30	1.8	0.15
156	15603		layer	Natural	Mid orange brown compact Sandy clay with frequent iron panning and manganese	30	1.8	
157	15700		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
157	15701		layer	Alluvial Layer	Light grey brown compact silty clay with common iron panning	30	1.8	0.23
157	15702		layer	Natural	Light yellow brown compact clayey sand with frequent iron panning and manganese	30	1.8	
158	15800		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.28
158	15801		layer	Alluvial Layer	Light grey brown compact silty clay with common iron panning and manganese	30	1.8	0.23
158	15802		layer	Natural	Mid orange brown compact silty clay with common iron panning	30	1.8	
159	15900		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.25
159	15901		layer	Natural	Mid orange brown compact clay with common iron panning	30	1.8	
160	16000		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.38
160	16001		layer	Natural	Mid orange brown compact clay with common iron panning	30	1.8	
161	16100		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.24
161	16101		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
162	16200		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.23
162	16201		layer	Natural	Mid orange brown compact silty clay with common iron panning	30	1.8	
163	16300		layer	Ploughsoil	Mid grey brown loose silty clay with rare small stones	30	1.8	0.25
163	16301		layer	Natural	Mid orange brown compact silty clay with frequent iron panning and rare manganese	30	1.8	
164	16400		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.2
164	16401		layer	Natural	light yellow brown clay	30	1.8	
165	16500		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.35
165	16501		layer	Natural	light yellow brown clay	30	1.8	
166	16600		layer	Topsoil	Mid grey brown silty clay, firm, infrequent small stones	30	1.8	0.35
166	16601		layer	Natural	light orange brown silty clay, firm, infrequent stones	30	1.8	
167	16700		layer	Topsoil	mid grey brown silty clay, firm, infrequent stones	30	1.8	0.33
167	16701		layer	Natural	light orange brown silty clay, firm, infrequent stones	30	1.8	

168	16800		layer	Topsoil	mid grey brown silty clay, firm, infrequent stones	30	1.8	0.33
168	16801		layer	Natural	light orange brown silty clay, firm, infrequent stones	30	1.8	
169	16900		layer	Ploughsoil	Mid grey brown loose silty clay	30	1.8	0.34
169	16901		layer	Natural	Mid orange brown compact silty clay with occasional small stones	30	1.8	
170	17000		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.3
170	17001		layer	Natural	Mid yellow orange compact silty clay.	30	1.8	
171	17100		layer	Ploughsoil	Mid grey brown loose silty clay	30	1.8	0.34
171	17101		layer	Natural	Mid orange brown compact silty clay with occasional small stones	30	1.8	
172	17200		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.2
172	17201		layer	Natural	light yellow brown clay	30	1.8	
173	17300		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.2
173	17301		layer	Natural	light yellow brown clay	30	1.8	
174	17400		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.25
174	17401		layer	Natural	light yellow brown clay	30	1.8	
175	17500		layer	Ploughsoil	Mid brown,silty clay,compact	30	1.8	0.3
175	17501		layer	Natural	Mixed yellow/orangey brown,silty clay compact	30	1.8	
176	17600		layer	Ploughsoil	Mid grey brown loose silty clay	30	1.8	0.24
176	17601		layer	Natural	Mid orange brown compact silty clay	30	1.8	
177	17700		layer	Ploughsoil	Mid brown,compact, silty clay	30	1.8	0.26
177	17701		layer	Natural	light orangey grey silty clay	30	1.8	
178	17800		layer	Ploughsoil	mid brown, compact silty clay	30	1.8	0.3
178	17801		layer	Natural	mixed yellow,orangey brown,silty clay	30	1.8	
179	17900		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
179	17901		layer	Natural	Mid brownish yellow sandy clay, compact with occasional sub-angular flint fragments.	30	1.8	
181	18100		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.4
181	18101		layer	Natural	light yellow brown clay	30	1.8	
182	18200		layer	Ploughsoil	Mid grey brown loose silty clay	30	1.8	0.34
182	18201		layer	Natural	Mid orange brown compact silty clay with occasional small stones	30	1.8	
183	18300		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
183	18301		layer	Natural	light yellow brown clay	30	1.8	
184	18400		layer	Ploughsoil	mid grey brown silty clay	30	1.8	0.3
184	18401		layer	Natural	light yellow brown sandy clay	30	1.8	
185	18500		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
185	18501		layer	Natural	Mid brownish yellow sandy clay, compact with moderate manganese inclusions.	30	1.8	
186	18600		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
186	18601		layer	Natural	Mid brownish yellow sandy clay, compact with occasional manganese flecks.	30	1.8	
187	18700		layer	Ploughsoil	Mid greyish brown sandy clay,	30	1.8	0.33

					friable with infrequent stone inclusions.			
187	18701		layer	Natural	Mid brownish yellow sandy clay, compact with occasional sub-angular flint fragments and manganese flecks.	30	1.8	
188	18800		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
188	18801		layer	Natural	Mid brownish yellow sandy clay, compact with moderate manganese flecks.	30	1.8	
189	18900		layer	Ploughsoil	mid brown compact silty clay	30	1.8	0.26
189	18901		layer	Natural	light orangey brown silty clay	30	1.8	
190	19000		layer	Ploughsoil	mid brown, compact silty clay	30	1.8	0.34
190	19001		layer	Natural	light orangey brown,compact silty sand	30	1.8	
190	19002		cut	Ditch	Boundary ditch - most likely modern	1.8	2.38	0.64
190	19003	19002	fill	Secondary Fill	Dark blackish brown silty clay	1.8	2.38	0.64
191	19100		layer	Topsoil	mid greyish-brown sandy clay	30	1.8	0.36
191	19101		layer	Natural	mid yellow clay	30	1.8	
191	19102		unexcavated feature	Ditch	Unexavated linear same as 19002, 19003	1.8	0.93	
191	19103		unexcavated feature	Ditch	unexavated linear same as 19002, 19003 and 19303	1.8	1.25	
192	19200		layer	Topsoil	mid greyish-brown sandy clay	30	1.8	0.37
192	19201		layer	Natural	mid yellow clay	30	1.8	
192	19202		cut	Ditch	E-W aligned, concave sides and base	1.8	0.64	0.16
192	19203	19202	fill	Primary Fill	mid yellowish brown silty clay	1.8	0.64	0.16
193	19300		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.31
193	19301		layer	Natural	Light yellow sandy clay, compact with frequent manganese and hematite inclusions.	30	1.8	
193	19302		unexcavated feature	Ditch	unexavated linear - same as 19103 and 19002,	1.8	1.22	
194	19400		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.27
194	19401		layer	Natural	Mid bluish grey sandy clay, compact with frequent orange mottling and hematite inclusions.	30	1.8	
195	19500		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
195	19501		layer	Natural	Mid bluish grey sandy clay, compact with frequent orange mottling and hematite inclusions.	30	1.8	
196	19600		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
196	19601		layer	Natural	Mid bluish grey sandy clay, compact with frequent orange mottling and hematite inclusions.	30	1.8	
197	19700		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	
197	19701		layer	Natural	Light bluish grey sandy clay, compact with frequent orange and yellow mottling. Contains hematite and chalk inclusions.	30	1.8	
198	19800		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone	30	1.8	0.28

					inclusions.			
198	19801		layer	Natural	Light bluish grey sandy clay, compact with frequent orange mottling and hematite inclusions.	30	1.8	
198	19802		cut	Ditch	Linear NW-SE, moderate straight slightly concave sides, concave base	1.8	1.4	0.54
198	19803	19802	fill	Primary Fill	Light orangey brown, silty clay, firm compact	1.8	0.12	0.15
198	19804	19802	fill	Secondary Fill	Mid orangey brown, silty clay, firm compact	1.8	0.28	0.55
198	19805		cut	Ditch	Linear, NW-SE, moderate concaved sides concaved base	1.8	0.25	0.35
198	19806	19805	fill	Secondary Fill	Mid orangey brown/grey, silty clay, firm friable	1.8	0.25	0.35
198	19807		cut	Ditch	Linear, NW-SE, moderate concaved - gentle concaved sides, flat irregular base	1.8	0.9	0.32
198	19808	19807	fill	Secondary Fill	Mid grayish, brown, silty clay, soft friable	1.8	0.9	0.32
199	19900		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
199	19901		layer	Natural	Mid yellowish brown sandy clay, compact with frequent hematite inclusions.	30	1.8	
200	20000		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
200	20001		layer	Natural	Light bluish grey sandy clay, compact with frequent orange mottling. Contains hematite and manganese flecks.	30	1.8	
201	20100		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.33
201	20101		layer	Natural	Light grey sandy clay, compact with frequent orange mottling.	30	1.8	
202	20200		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
202	20201		layer	Natural	Mid brownish yellow sandy clay, compact with manganese inclusions.	30	1.8	
203	20300		layer	Ploughsoil	mid brown,compact silty lay	30	1.8	0.35
203	20301		layer	Natural	light orangey brown compact silty clay	30	1.8	0
204	20400		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.33
204	20401		layer	Natural	Mid brownish yellow sandy clay, compact with frequent orange mottling.	30	1.8	
205	20500		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
205	20501		layer	Natural	Light yellow sandy clay, compact with frequent manganese and hematite inclusions.	30	1.8	
206	20600		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions	30	1.8	0.28
206	20601		layer	Natural	Light bluish grey sandy clay, compact with frequent orange mottling.	30	1.8	
207	20700		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
207	20701		layer	Natural	Light yellow silty clay, compact with frequent hematite inclusions and	30	1.8	

					occasional chalk flecks.			
208	20800		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
208	20801		layer	Natural	Mid bluish grey sandy clay, compact with frequent orange mottling and hematite inclusions.	30	1.8	
209	20900		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.28
209	20901		layer	Natural	Light yellow silty clay, compact with frequent hematite inclusions and occasional chalk flecks.	30	1.8	
210	21000		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
210	21001		layer	Natural	Light yellow silty clay, compact with frequent hematite inclusions and occasional chalk flecks.	30	1.8	
210	21002		cut	Ditch	E-W aligned, concave sides and base	1.8	0.61	0.17
210	21003	21002	fill	Secondary Fill	Mid reddish brown silty clay	1.8	0.61	0.17
211	21100		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.25
211	21101		layer	Natural	Light yellow silty clay, compact with frequent hematite inclusions and occasional chalk flecks.	30	1.8	
211	21102		cut	Ditch	E-W aligned, concave sides and base	1.8	1.8	0.75
211	21103	21102	fill	Secondary Fill	Secondary fill light whitish grey silty clay. Finds present	1.8	1.09	0.35
211	21104	21102	fill	Tertiary Fill	Mid reddish grey silty clay w iron panning	1.8	1.8	0.41
211	21105		cut	Ditch	E-W aligned, concave sides and base	1.8	1.19	0.24
211	21106	21105	fill	Secondary Fill	Dark greyish brown silty clay loam	1.8	1.19	0.24
212	21200		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.28
212	21201		layer	Natural	Light yellow silty clay, compact with frequent hematite inclusions and occasional chalk flecks.	30	1.8	
212	21202		cut	Ditch	Linear running NE to SW	1.8	0.78	0.22
212	21203	21202	fill	Primary Fill	Grayish black silty clay	1.8	0.78	0.22
213	21300		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions	30	1.8	0.25
213	21301		layer	Natural	Light yellow silty clay, compact with frequent hematite inclusions and occasional chalk flecks.	30	1.8	
214	21400		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
214	21401		layer	Natural	Light bluish grey sandy clay, compact with frequent orange mottling and hematite inclusions.	30	1.8	
215	21500		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.35
215	21501		layer	Natural	Light yellow sandy clay, compact with frequent manganese and hematite inclusions.	30	1.8	
216	21600		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
216	21601		layer	Natural	Light yellow sandy clay, compact with frequent manganese and	30	1.8	

					hematite inclusions.			
216	21602		cut	Ditch	Ditch present on historic maps, also present in trench 214	1.8	2.6	0.6
216	21603	21602	fill	Primary Fill	Light reddish brown silty clay	1.8	2.6	0.6
216	21604	21602	fill	Secondary Fill	Mid reddish brown silty clay, very diffuse horizon	1.8	2.12	0.36
217	21700		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.34
217	21701		layer	Natural	Light yellow sandy clay, compact with frequent manganese and hematite inclusions.	30	1.8	
218	21800		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
218	21801		layer	Natural	Mid brownish yellow sandy clay, compact with frequent orange mottling. Contain moderate manganese, chalk and hematite inclusions.	30	1.8	
219	21900		layer	Ploughsoil	mid brown silty clay,compact	30	1.8	0.24
219	21901		layer	Natural	light brownish orange silty clay,compact	30	1.8	
219	21902		cut	Modern	Cut of modern feature	1.8	0.82	0.14
219	21903	21902	fill	Primary Fill	Mid brown yellow modern fill	1.8	0.82	0.14
220	22000		layer	Ploughsoil	mid brown compact silty clay	30	1.8	0.36
220	22001		layer	Natural	light orangeybrown, compact silty clay	30	1.8	
221	22100		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.28
221	22101		layer	Natural	Light bluish grey sandy clay, compact with frequent orange mottling and occasional chalk flecks.	30	1.8	
222	22200		layer	Ploughsoil	mid grey brown silt clay friable	30	1.8	0.3
222	22201		layer	Natural	light orange brown, clay silt, friable	30	1.8	
223	22300		layer	Ploughsoil	mid grey brown silt clay, friable.	30	1.8	0.33
223	22301		layer	Alluvial Layer	mid orange brown, clay silt.friable	30	1.8	0.22
223	22302		layer	Alluvial Layer	Light orange grey. Clay silt, friable, plastic	30	1.8	
224	22400		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.28
224	22401		layer	Natural	Light yellow silty clay, compact with frequent hematite inclusions and occasional chalk flecks.	30	1.8	
224	22402		cut	Ditch	linear, shallow sloping sides, concave base.	1.8	1.6	0.15
224	22403	22402	fill	Primary Fill	Mid grey brown silty clay, compact.	1.8	1.6	0.15
225	22500		layer	Ploughsoil	Topsoil - mid greyish brown sandy clay	30	1.8	0.25
225	22501		layer	Alluvial Layer	Light yellowish grey alluvial layer	30	1.8	0.38
225	22502		layer	Other Layer	dark blackish brown peat layer	30	1.8	0.21
225	22503		layer	Natural	Mid greyish brown natural	30	1.8	
226	22600		layer	Topsoil	Mid greyish brown sandy clay topsoil	30	1.8	0.25
226	22601		layer	Alluvial Layer	light grey-yellow alluvial layer	30	1.8	0.06
226	22602		layer	Other Layer	dark brown-black peat layer	30	1.8	0.1
226	22603		layer	Natural	Light grey-brown silty clay	30	1.8	0.1

226	22604		layer	Other Layer	Peaty layer	30	1.8	0.17
226	22605		layer	Natural	Natural layer of trench 226	30	1.8	0.14
227	22700		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.37
227	22701		layer	Alluvial Layer	Dark grey brown loose sandy silt	30	1.8	0.18
227	22702		layer	Natural	Light yellow orange firm silty clay with common iron panning	30	1.8	
228	22800		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.3
228	22801		layer	Natural	Mid bluish grey sandy clay, compact with frequent orange mottling and hematite inclusions.	30	1.8	
229	22900		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.26
229	22901		layer	Alluvial Layer	Mid orange brown compact silty clay with common iron panning	30	1.8	0.19
229	22902		layer	Alluvial Layer	Dark black brown loose Sandy silt	30	1.8	0.18
229	22903		layer	Natural	Light grey yellow compact silty clay	30	1.8	
230	23000		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.32
230	23001		layer	Natural	Light bluish grey sandy clay, friable with frequent orange mottling and hematite inclusions.	30	1.8	
231	23100		layer	Ploughsoil	Mid greyish brown sandy clay, friable with infrequent stone inclusions.	30	1.8	0.29
231	23101		layer	Natural	Light yellow sandy clay, friable with occasional manganese flecks.	30	1.8	
232	23200		layer	Ploughsoil	Mid grey brown firm silty clay with occasional small stones	30	1.8	0.28
232	23201		layer	Natural	Mid orange brown compact silty clay With common manganese and iron panning	30	1.8	
233	23300		layer	Ploughsoil	Mid grey brown firm silty clay with occasional small stones	30	1.8	0.24
233	23301		layer	Natural	Mid orange brown compact silty clay With common manganese and iron panning	30	1.8	
233	23302		cut	Ditch	Cut of ditch initially thought to be natural gully due to water channel/rooting at base. Pot found in fill however.	1.8	0.61	0.2
233	23303	23302	fill	Secondary Fill	Secondary fill of ditch 23302	1.8	0.61	0.2
233	23304		cut	Ditch	Linear, NW-SE, moderate concave sides, rounded base	1.8	1.9	0.75
233	23305	23304	fill	Deliberate Backfill	Mid orangey brown,silty clay, compact, high amount of burnt flint	1.8	1.9	0.24
233	23306		cut	Posthole	Steep vertical sides, concaved base,	0.2	0.2	0.21
233	23307	23306	fill	Other Fill	Dark orangey brown,silty clay firm, friable inclusions of charcoal throughout poss post hole degraded in situ	0.2	0.2	0.21
234	23400		layer	Ploughsoil	Mid grey brown firm silty clay with occasional small stones	30	1.8	0.32
234	23401		layer	Natural	Mid orange brown compact silty clay with common manganese and iron panning	30	1.8	
234	23402		cut	Pit	Possible pit cut due to circular, concave shape however could be natural due to natural clay-like consistency	0.68	0.68	0.35
234	23403	23402	fill	Secondary Fill	Light blueish grey silty clay	0.68	0.68	0.35
234	23404		cut	Pit	Possible cut of pit due to regular, concave sides and base	1.12	0.4	0.2

234	23405	23404	fill	Secondary Fill	Light blueish grey silty clay	1.12	0.4	0.2
235	23500		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.32
235	23501		layer	Subsoil	Mid red brown firm silty clay	30	1.8	0.23
235	23502		layer	Natural	Mottled mid orange brown and light grey blue compact silty clay with frequent iron panning	30	1.8	0.25
235	23503		cut	Ditch	Linear,moderate convexed to moderate concave break of slope, NE-SW, rounded base	1.8	1.05	0.4
235	23504	23503	fill	Secondary Fill	Light-mid mottled blue/grey/orange compact silty clay	1.8	1.05	0.4
235	23505		cut	Pit	circular, concave sides and base	0.5	0.5	0.19
235	23506	23505	fill	Secondary Fill	light blue gre silty clay, firm	0.5	0.5	0.19
235	23507		layer	Alluvial Layer	Alluvial layer, mid orangey brown silty clay, compact	30	1.8	0.27
235	23508		layer	Alluvial Layer	Dark brownish black, peaty clay, firm,friable	30	1.8	0.06
235	23509		layer	Alluvial Layer	Mid orangey brown, silty clay, compact	30	1.8	0.13
235	23510		layer	Alluvial Layer	Dark brownish black, pearl clay, firm friable	30	1.8	0.11
235	23511		layer	Alluvial Layer	mid orangey brown silty clay compact firm	30	1.8	0.14
236	23600		layer	Ploughsoil	Mid grey brown firm silty clay with occasional small stones	30	1.8	0.31
236	23601		layer	Natural	Mid orange brown compact silty clay with common iron panning and manganese	30	1.8	
237	23700		layer	Ploughsoil	Mid grey brown firm silty clay with occasional small stones	30	1.8	0.26
237	23701		layer	Natural	Mid orange brown compact silty clay with common manganese	30	1.8	
238	23800		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.29
238	23801		layer	Natural	Mottled mid orange brown and mid blue grey compact silty clay with common iron panning	30	1.8	
239	23900		layer	Ploughsoil	Mid grey brown loose silty clay with occasional small stones	30	1.8	0.22
239	23901		layer	Natural	Mottled mid orange brown and mid blue grey compact silty clay with common iron panning	30	1.8	

APPENDIX B: THE FINDS

Table 1: Finds Concordance.

Context	Class	Description	Fabric Code*	Essex fabric series**	Count	Weight (g)	Spot-date
1003	LIA/Roman pottery	Southern British grog-tempered ware	**SOB GT**	GROG	1	3	LIA/ERB
4103	Roman pottery	Unsourced black fired sandy ware	UNS BSW	BSW	1	9	RB
7900	Flint	Flake			1	32	
8103	Post-medieval/modern pottery	Refined white earthenware	REFW		1	6	LC18-C20
	Post-medieval/modern pottery	Transfer printed earthenware	TPE		2	9	
	Post-medieval/modern pottery	British stoneware	BSW		1	17	
	Post-medieval/modern pottery	Yellow ware	YELW		1	50	
	Glass				1	3	
	CBM	Tile x 2	fs/fscp		2	82	
10300	Copper alloy	Object			1	8	
14503	Burnt flint				3	45	
19804	Flint	Flakes x 2			2	21	
	Burnt flint				1	14	
19806	Clay pipe	Stems			2	9	POST-MED
	Iron	Nail			2	25	
	CBM		fsfe		1	3	
21103	Late prehistoric pottery	Flint-tempered fabric	FL		1	5	LBA/EIA
	Flint	Flake			1	3	
	CBM	Brick	msfe		2	657	
21603	Clay pipe	Stem x 2, Bowl			3	26	POST-MED
21903	Medieval pottery	London-type ware	LOND		38	182	LC12-EC14
	CBM	Tile	fs		2	24	
22403	Iron	Nail			1	27	
23303	Roman pottery	Unsourced black fired sandy ware	UNS BSW	BSW	1	28	RB?
23305	Late prehistoric pottery	Flint-tempered fabric	FL		1	7	LBA/EIA
	Burnt flint				7	142	
	Fired clay		csfl		2	9	
23307	Burnt flint				3	10	
23506	Late prehistoric pottery	Flint-tempered fabric	FL		54	493	LBA/EIA

*National Roman Fabric Reference Collection in bold (Tomber and Dore 1998)

**Essex county fabric series (Biddulph *et.al.* 2015)

Table 2: Summary of pottery by fabric.

Period	Fabric Description	Fabric Codes*	Essex Fabric Series**	Count	Weight (g)
Late prehistoric pottery	Flint-tempered fabric	FL		56	505
LIA/Roman pottery	Southern British grog-tempered ware	**SOB GT**	GROG	1	3
	Unsourced black fired sandy ware	UNS BSW	BSW	2	37
Medieval pottery	London-type ware	LOND		38	182
Post-medieval/modern pottery	British stoneware	BSW		1	17
	Yellow ware	YELW		1	50
	Transfer printed earthenware	TPE		2	9
	Refined white earthenware	REFW		1	6
Grand Total				**102**	**809**

*National Roman Fabric Reference Collection in bold (Tomber and Dore 1998)
**Essex county fabric series (Biddulph *et.al.* 2015)

APPENDIX C: THE PALAEOENVIRONMENTAL EVIDENCE

Table 3: Assessment of the palaeoenvironmental remains.

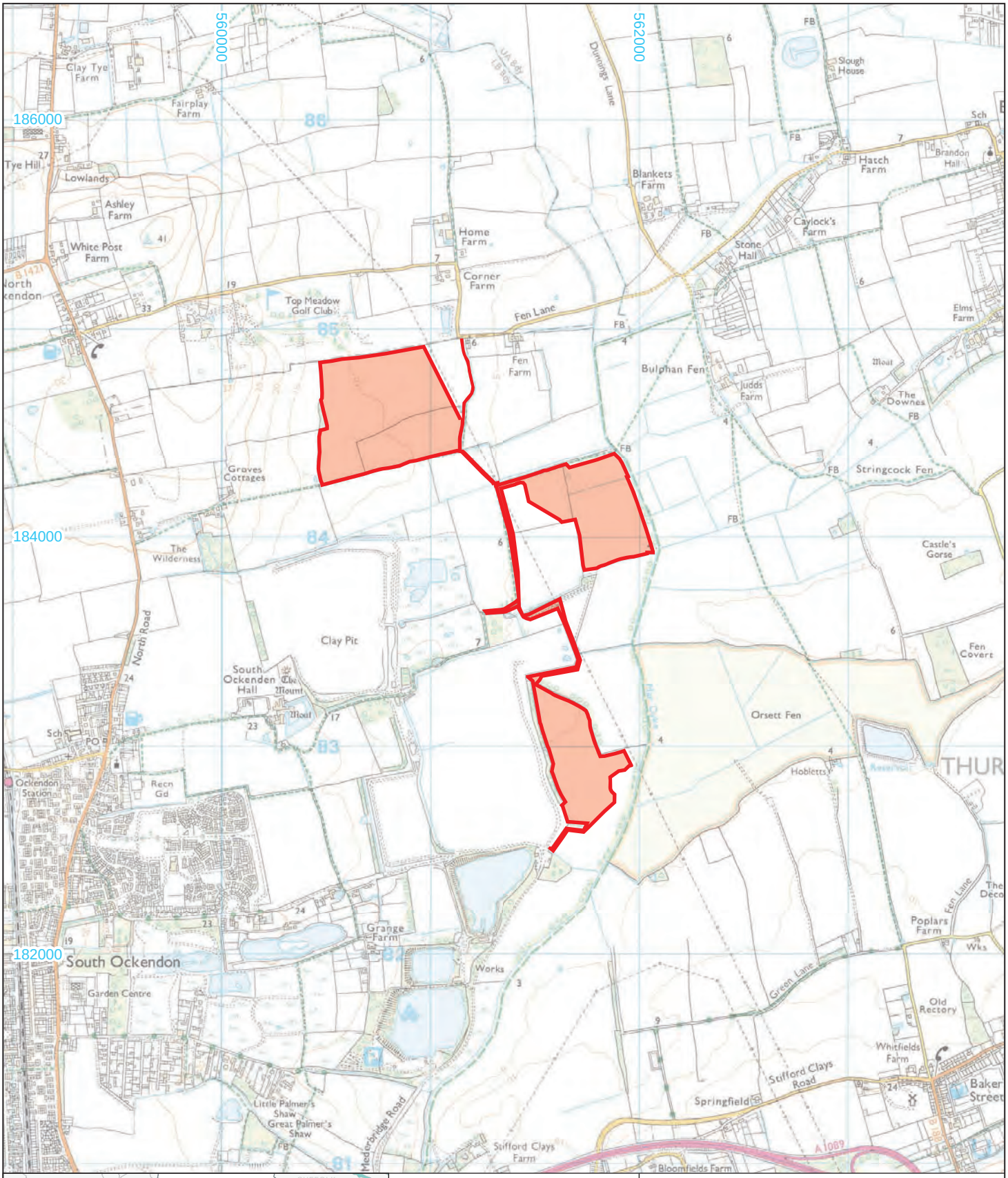
Feature	Context	Sample	Processed vol (L)	Unprocessed vol (L)	Flot size (ml)	Roots %	Grain	Chaff	Cereal Notes	Charred Other	Charred Other Notes	Charcoal > 4/2mm	Other
Area C													
Trench 233													
Ditch 23304	23305	1	20	20	55	98	*	*	indet grain (no embryo); hulled wheat glume	-	-	-/*	moll-t* (only 1)
Posthole 23306	23307	2	9	0	20	50	*	*	indet grain; hulled wheat glume	*	cf. *Rumex; Avena/Bromus*	**/**	-
Trench 235													
Pit 23505	23506	3	5	0	5	98	-	-	-	-	-	*/*	-

Key: * = 1–4 items; ** = 4–20 items; *** = 21–49 items; **** = 50–99 items; ***** = >100 items
Moll-t = terrestrial mollusc

APPENDIX D: OASIS REPORT FORM

PROJECT DETAILS	
Project name	Medebridge Solar, Land off Fen Lane and Medebridge Road, South Ockendon, Essex
Short description	Between May and June 2022, Cotswold Archaeology carried out an archaeological evaluation of land at Fen Lane and Medebridge Road, South Ockendon, Essex, at the request of Planet Planning, acting on behalf of Medebridge Solar Ltd. A total of 239no. trenches were excavated across the 72ha development site, comprising areas A to C. The results of the trial trenching partially confirmed those of a preceding geophysical survey, which identified a number of post-medieval and modern former boundary ditches in Areas A and C. A modern drain system of plastic drainage pipes covered by layers of fired clay pellets was also identified in Area B, matching a regularly spaced set of geophysical anomalies along the eastern edge of the Mardyke. In the north-eastern portion of Area A, a number of parallel-running small, roughly east/west aligned ditches were identified, likely representative of agricultural strip fields of Late Iron Age/Romano-British date. The few features encountered in Area B remained undated and did not correspond with any of the geophysical anomalies, while the geophysical anomalies that were mapped in this area in turn did not correspond with any sub-surface features. In Area C, a cluster of small pits and ditches was encountered in Trenches 233-235, partially overlain by deep deposit sequences suggestive of extensive seasonal flooding from the nearby Mardyke. The small-scale ditches and pits are likely representative of agricultural activity in the hinterland surrounding the contemporary settlement identified to the north-east of the current site, at Bulphan Fen. The deposit sequences encountered in the south-eastern portion of Area C, across trenches 225-229 and 235-236 correspond with an alluviated natural channel or low-lying area subject to flooding indicated on geological mapping, and also match similar deposits recorded as part of the Lower Thames Crossing evaluations in the adjacent fields to the east. The lack of archaeological features across much of the Site is likely reflective of the seasonal tendency to flood, as indicated by the alluvial deposits encountered particularly in the immediate vicinity of the Mardyke, and the resulting unsuitable nature of much of the proposed development area for anything other than agricultural or pastoral activity. Further from the course of the Mardyke, archaeological remains (where encountered) were affected by plough truncation due to a lack of protective overburden, with only thin topsoil deposits directly covering the features and natural substrate.
Project dates	23 May – 28 June 2022
Project type	Field evaluation
Previous work	Geophysical survey (SUMO 2021)
Future work	Unknown
PROJECT LOCATION	
Site location	Land off Fen Lane and Medebridge Road, South Ockendon, Essex
Study area (m^2/ha)	72ha
Site co-ordinates	NGR 560968 184625
PROJECT CREATORS	
Name of organisation	Cotswold Archaeology
Project brief originator	Essex County Council
Project design (WSI) originator	Cotswold Archaeology
Project Manager	Adrian Scruby

Project Supervisor	Anna Wolf	
MONUMENT TYPE	ditches (prehistoric; post-medieval); pit/posthole	
SIGNIFICANT FINDS	pottery (prehistoric; post-medieval) burnt flint; CBM/fired clay; metalwork	
PROJECT ARCHIVES	**Intended final location of archive (museum/Accession no.)**	**Content (e.g. pottery, animal bone etc)**
Physical	Thurrock Museum	Ceramics, metalwork, flint
Paper	Thurrock Museum	Context sheets, section drawings, photographic registers
Digital	ADS	Digital recording sheets, photographs
BIBLIOGRAPHY		
Cotswold Archaeology 2022 *Medebridge Solar, Land off Fen Lane and Medebridge Road, South Ockendon, Essex: Archaeological Evaluation* CA typescript report **SU0418_1**		



Site boundary

N

0 1km

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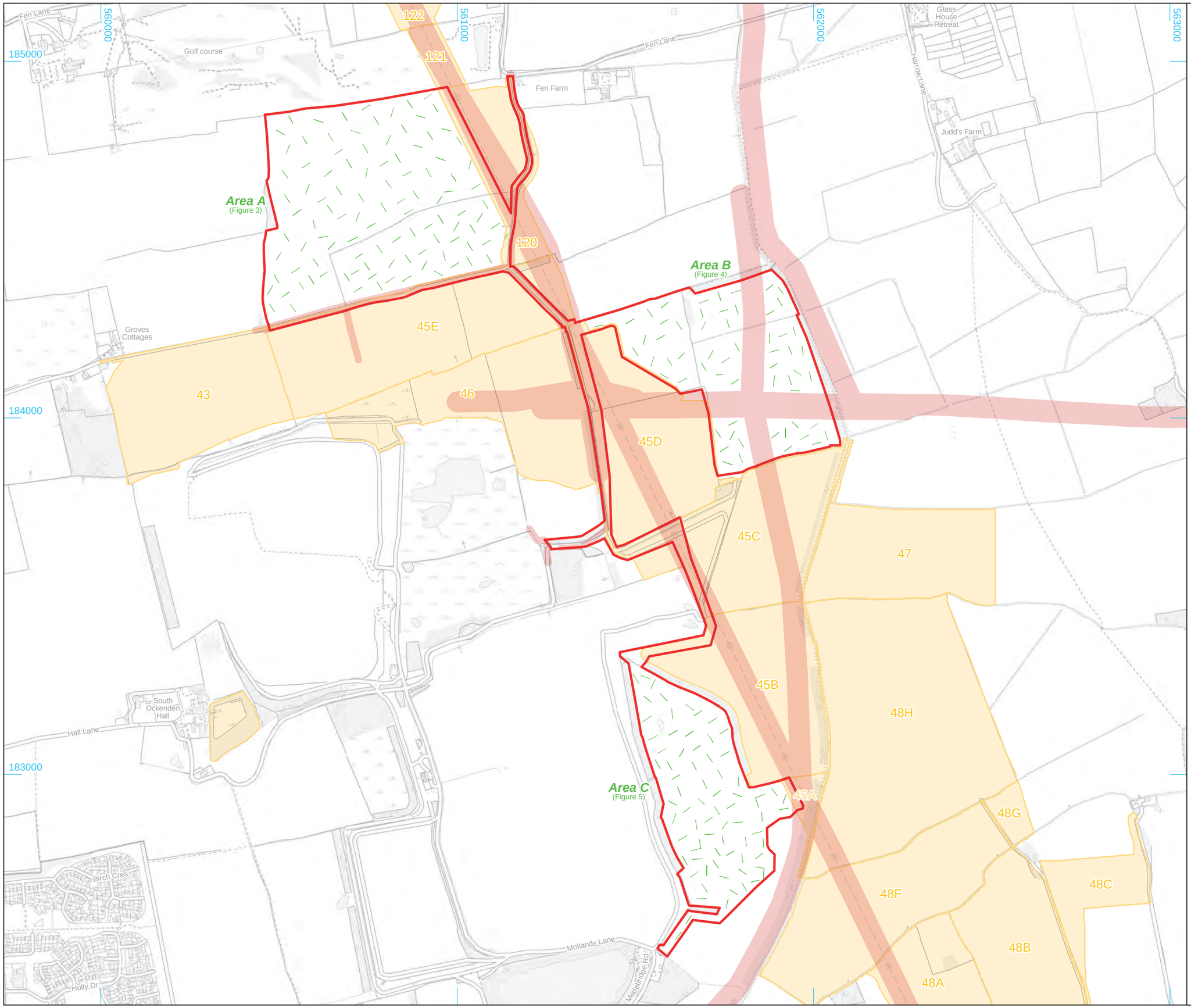
PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Site location plan

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**1**
APPROVED BY	**AW**	*SCALE@A4*	**1:25,000**	



N

Site boundary

Evaluation trench

Lower Thames Crossing trenching land parcels

Service buffer

0 1:10,000 500m

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Trench location plan, showing trenching areas and adjacent Lower Thames Crossing trenching land parcels, and service buffer zones

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**2**
APPROVED BY	**AW**	*SCALE@A3*	**1:10,000**	

560500
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T102
T103
T104
Area A

Site boundary
Evaluation trench
Archaeological feature
Drain
Service buffer

Geophysical survey results (SUMO, 2021)

Survey boundary
Uncertain Origin (discrete anomaly / trend)
Former field boundary
Agriculture (plough)
Land drain
Service
Natural (geological / pedological)
Magnetic disturbance
Ferrous

0 1:2500 100m

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area A trench plan, showing archaeological features and geophysical survey results

				FIGURE NO.
DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	**3**
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	
APPROVED BY	**AW**	*SCALE@A3*	**1:2500**	

561500
561750
562000
184250
184000

T105 T106 T107 T108 T109 T110 T111 T112 T113 T114 T115 T116 T117 T118 T119 T120 T121 T122 T123 (Figure 16) T124 T125 T126 T127 T128 T129 T130 T131 T132 T133 (Figure 17) T134 T135 T136 T137 T138 T139 (Figure 18) T140 T141 T142 T143 T144 T145 (Figure 19) T146 T147 T148 T149 T150 T151 T152 T153 T154 T155 T156 T157 T158 T159 T160 T161 T162 T163

Area B

N

- Site boundary
- Evaluation trench
- Archaeological feature
- Drain
- Service buffer

Geophysical survey results (SUMO, 2021)

- Survey boundary
- Uncertain Origin (discrete anomaly / trend)
- Former field boundary
- Agriculture (plough)
- Land drain
- Service
- Natural (geological / pedological)
- Magnetic disturbance
- Ferrous

0 1:2500 100m

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area B trench plan, showing archaeological features and geophysical survey results

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
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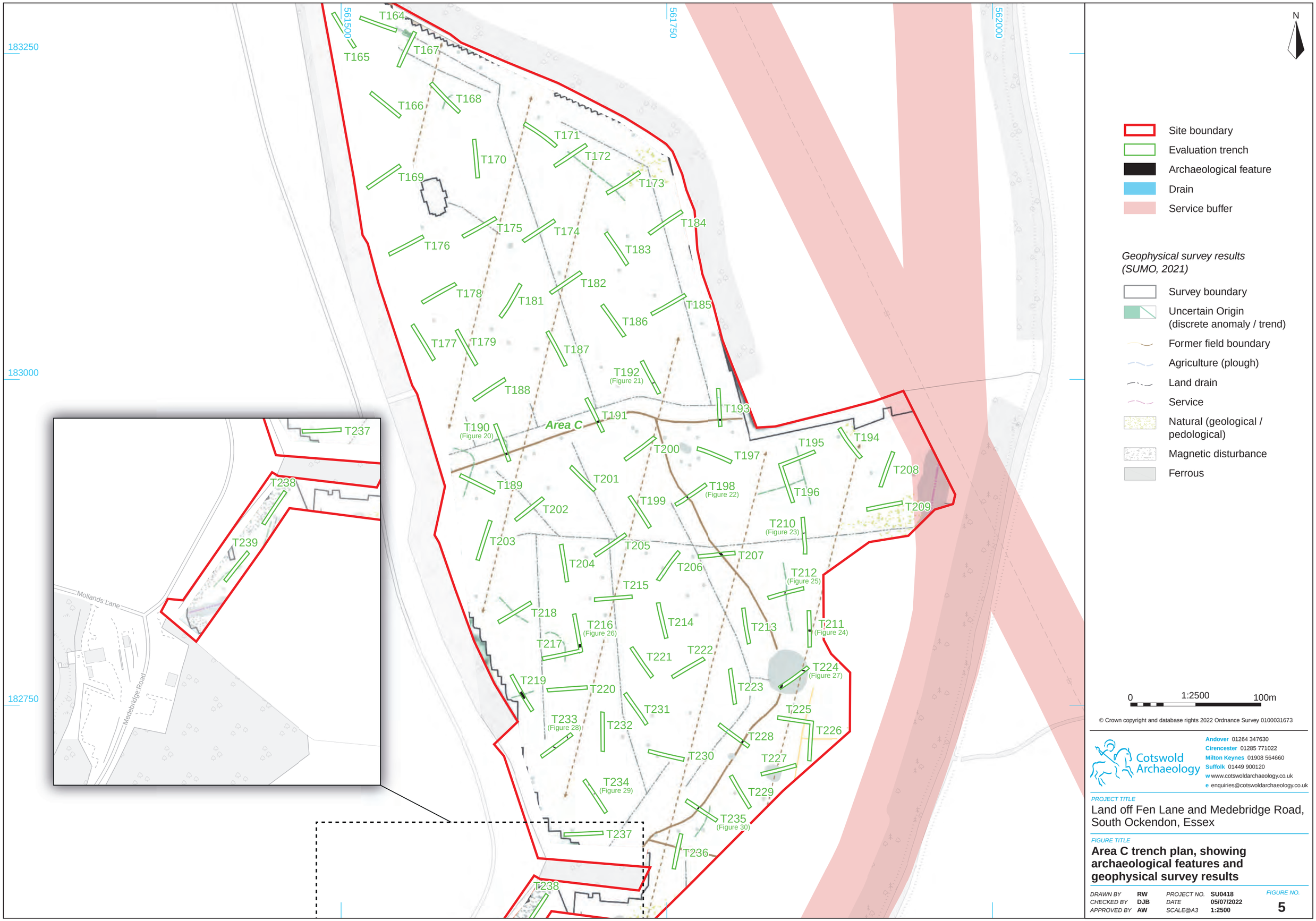

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C trench plan, showing archaeological features and geophysical survey results

DRAWN BY	RW	PROJECT NO.	SU0418	FIGURE NO.
CHECKED BY	DJB	DATE	05/07/2022	5
APPROVED BY	AW	SCALE@A3	1:2500	

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

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

Trench 94, looking south-west (1m scales)

Trench 70, looking north-east (1m scales)

Trench 86, looking north-east (1m scales)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area A: selection of blank trench photographs

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**6**
APPROVED BY	**AW**	*SCALE@A3*	**NA**	

Trench 105, looking south-west (1m scales)

Trench 115, looking north-west (1m scales)

Trench 147, looking east (1m scales)

Trench 128, looking south-west (1m scales)

Trench 146, looking south-west (1m scales)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area B: selection of blank trench photographs

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**7**
APPROVED BY	**AW**	*SCALE@A3*	**NA**	

Trench 164, looking north-west (1m scales)

Trench 179, looking north-west (1m scales)

Trench 181, looking south-west (1m scales)

Trench 232, looking north-east (1m scales)

Trench 229, looking south-east (1m scales)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C: selection of blank trench photographs

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**8**
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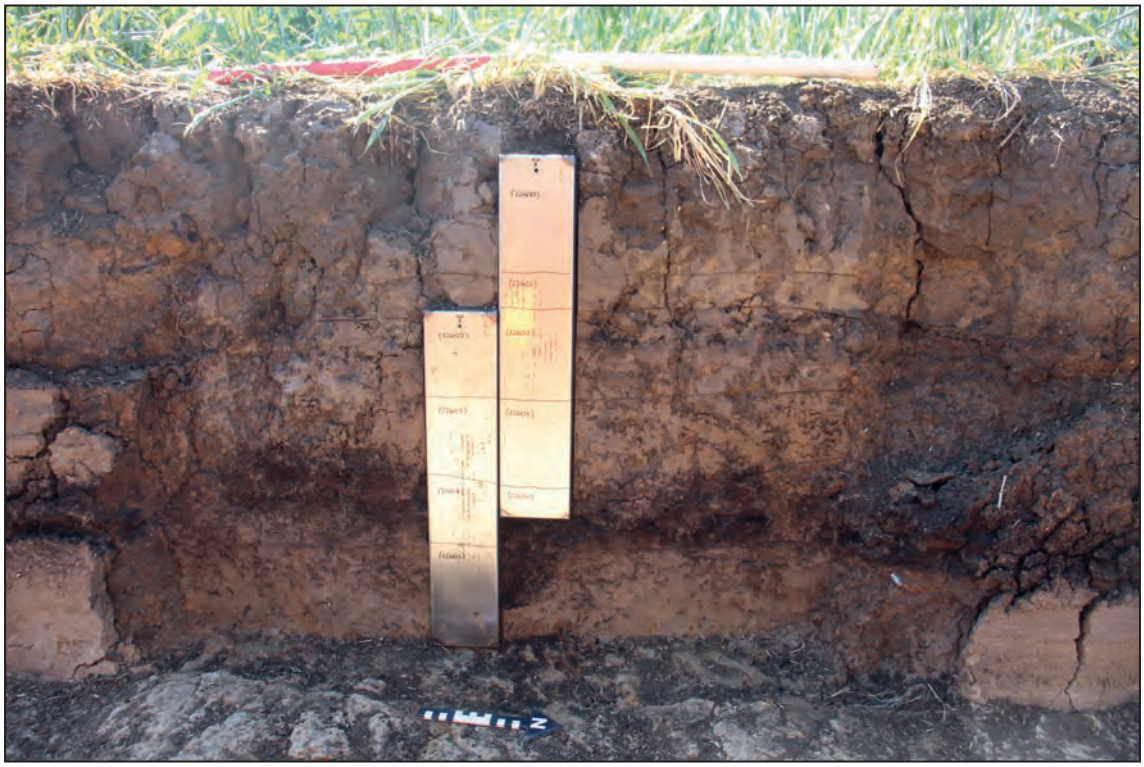

Trench 226, looking west (1m scale)

Trench 235, looking north-east (0.5m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Geological and organic deposit deep sequences in Area B: photographs

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**9**
APPROVED BY	**AW**	*SCALE@A4*	**NA**	

Trench 138, looking east

Trench 138, looking east

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PROJECT TITLE

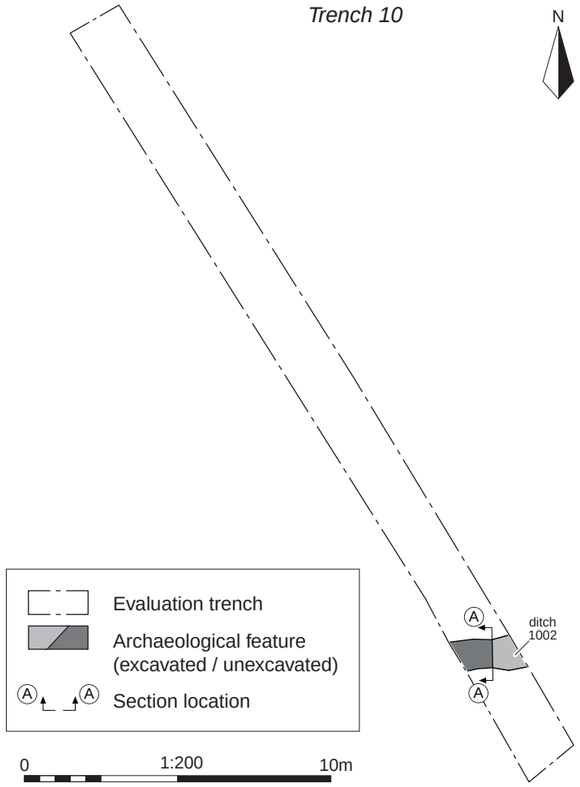
Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

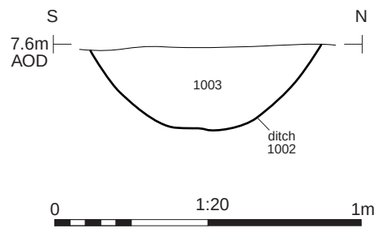
Modern drainage system in Area B: photographs

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**10**
APPROVED BY	**AW**	*SCALE@A4*	**NA**	

Trench 10



Section AA



Ditch 1002, looking west (0.5m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area A, Trench 10: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**11**
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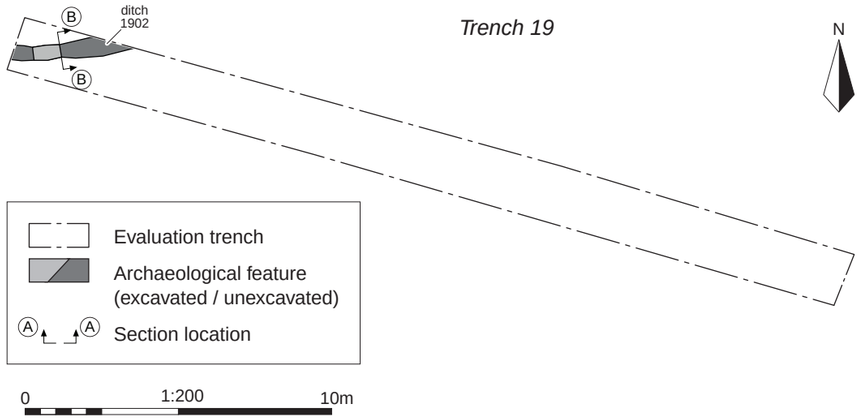

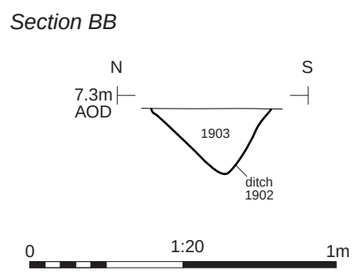

Ditch 1902, looking east (0.3m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area A, Trench 19: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**12**
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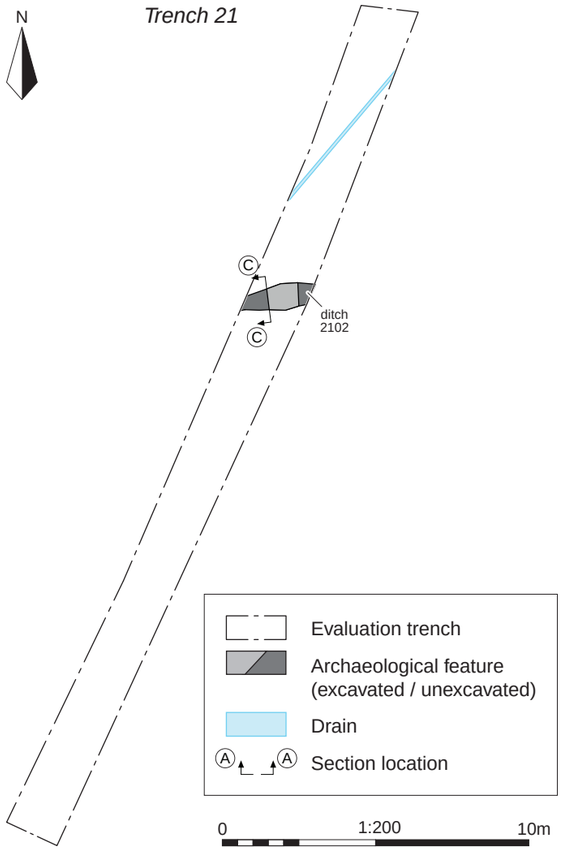

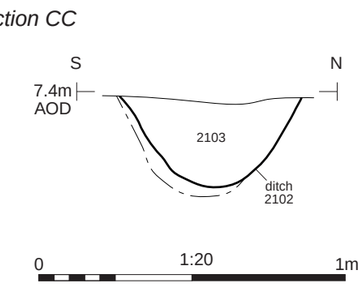

Ditch 2102, looking south (0.5m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area A, Trench 21: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**13**
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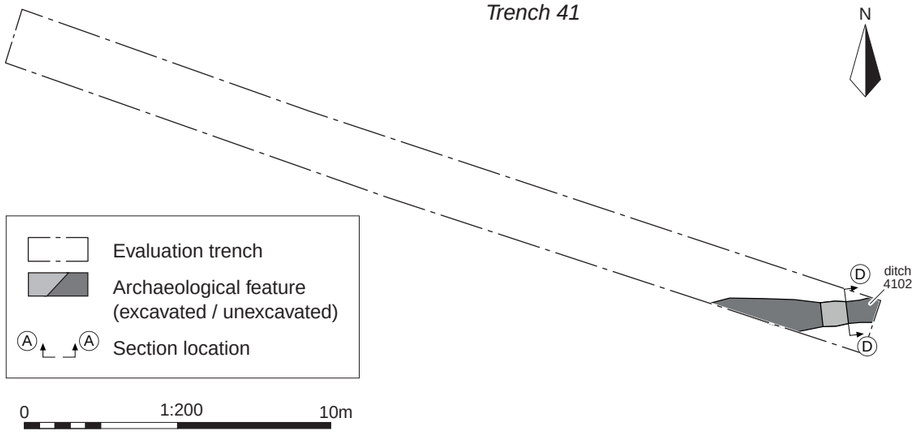
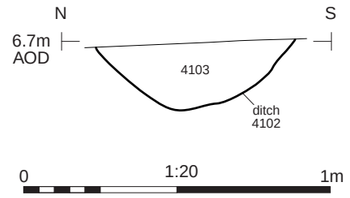
Trench 41



Section DD



Ditch 4102, looking east (0.5m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area A, Trench 41: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**14**
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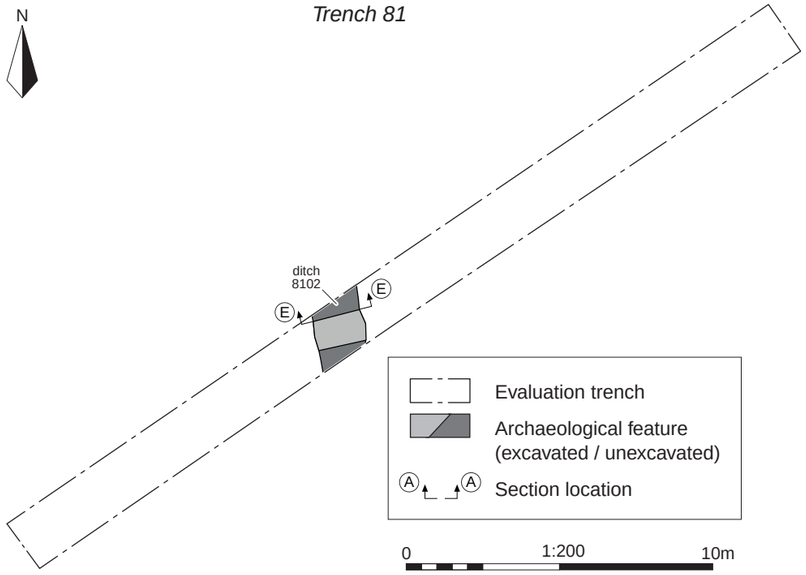

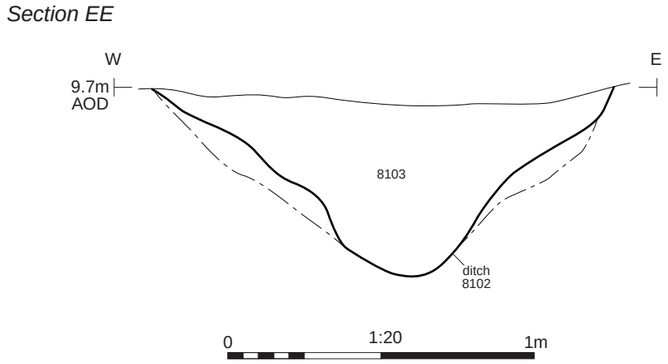

Ditch 8102, looking north (1m scale)

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PROJECT TITLE

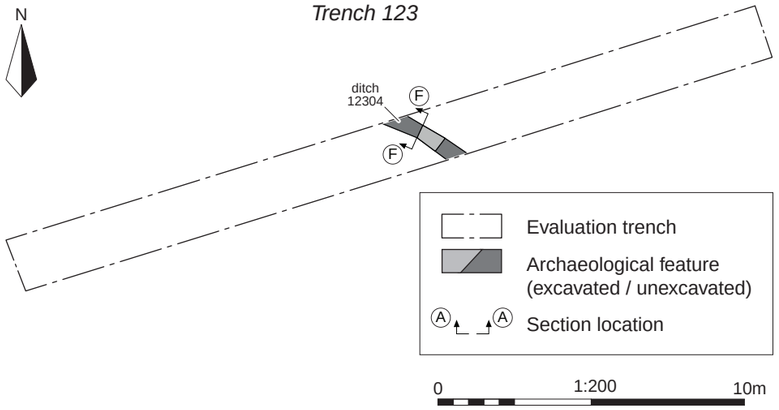
Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

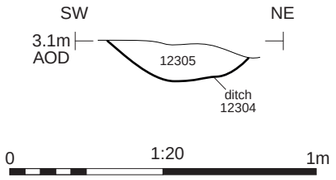
Area A, Trench 81: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**15**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	

Trench 123



Section FF



Ditch 12304, looking north-west (0.4m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area B, Trench 123: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**16**
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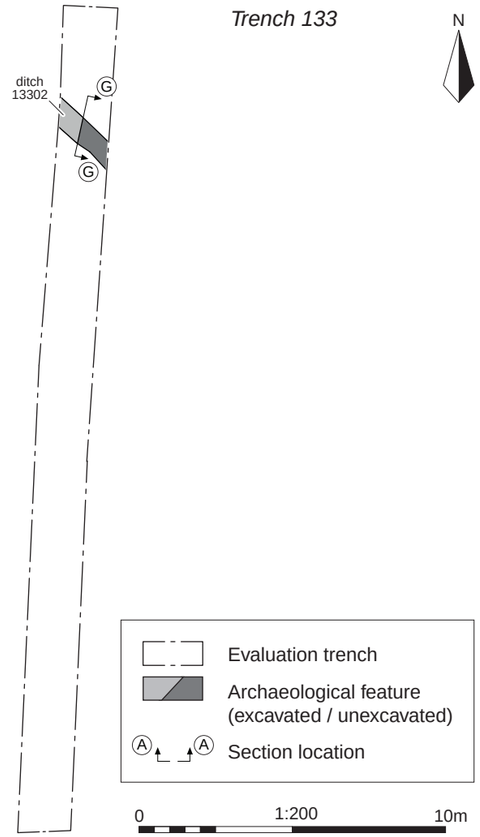

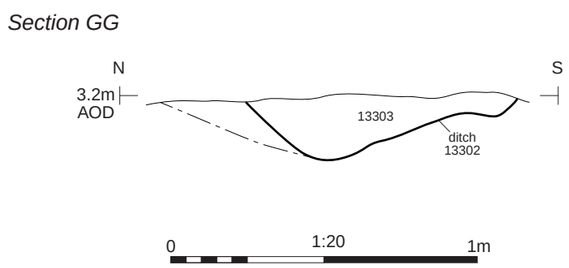

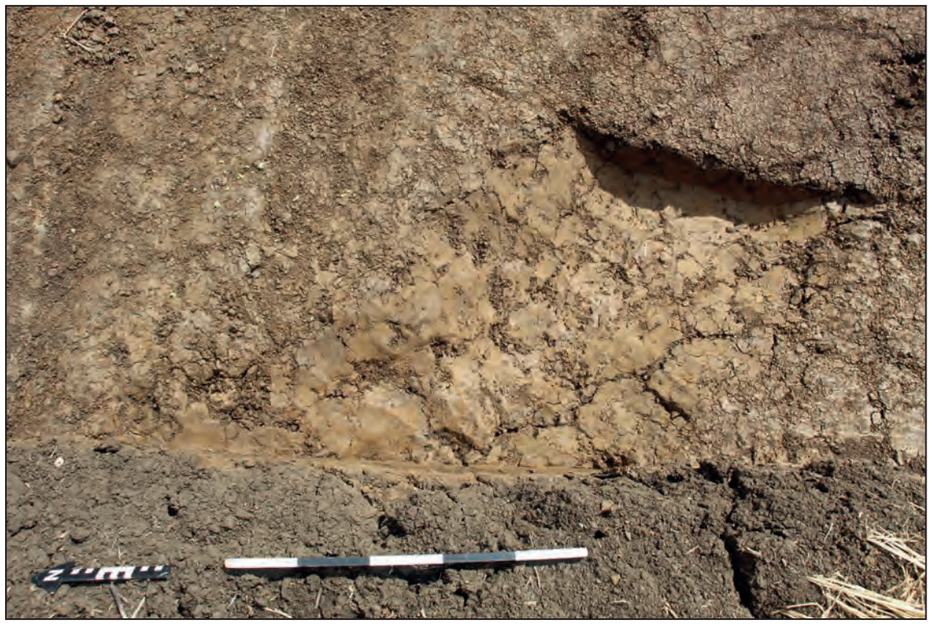

Ditch 13302, looking east (0.5m scale)

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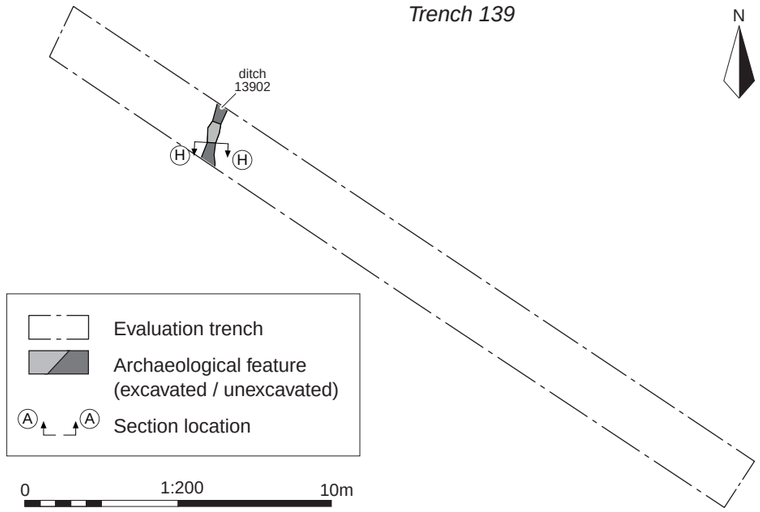
PROJECT TITLE

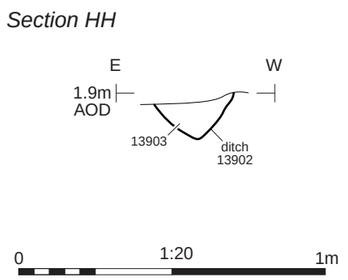
Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area B, Trench 133: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**17**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	





Ditch 13902, looking north (0.2m scale)

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PROJECT TITLE

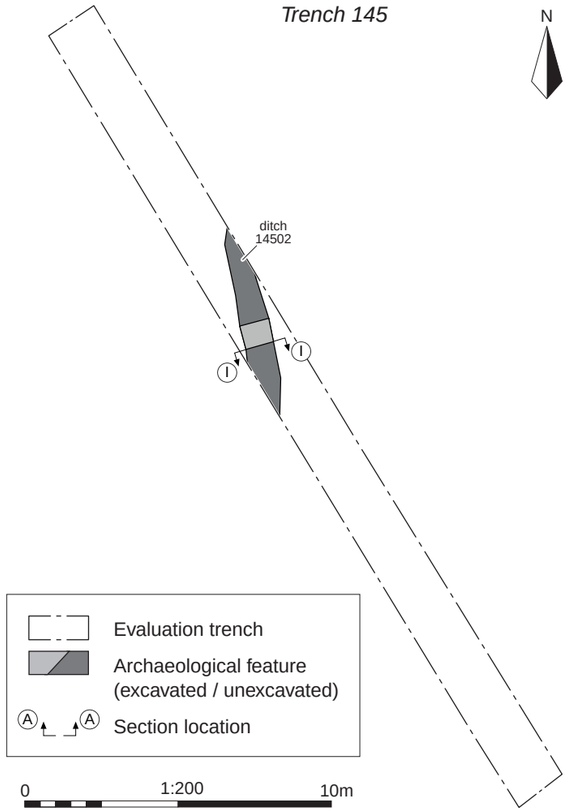
Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

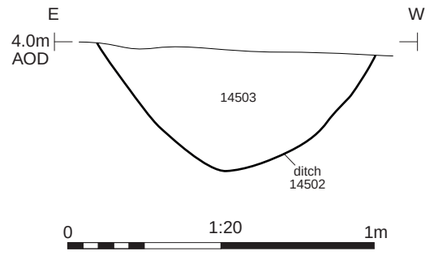
Area B, Trench 139: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**18**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	

Trench 145



Section II



Ditch 14502, looking south (0.5m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area B, Trench 145: plan, section and photograph

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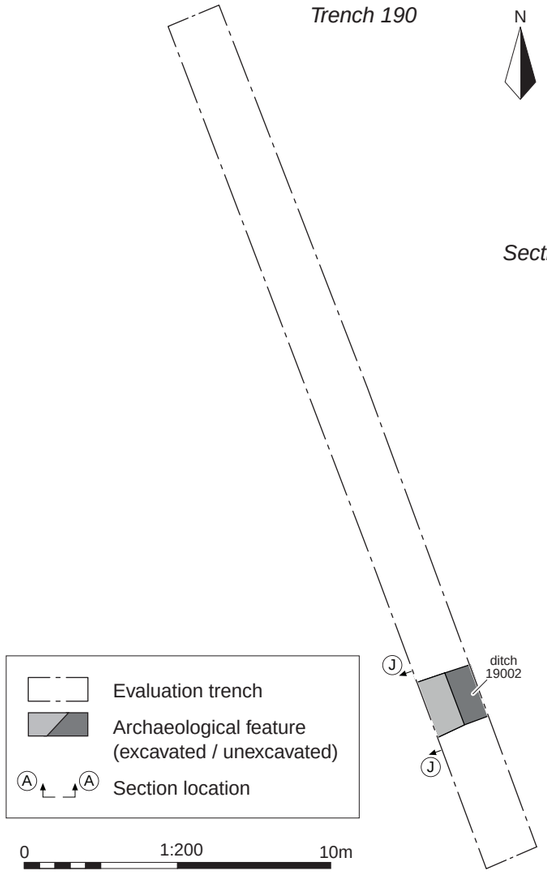
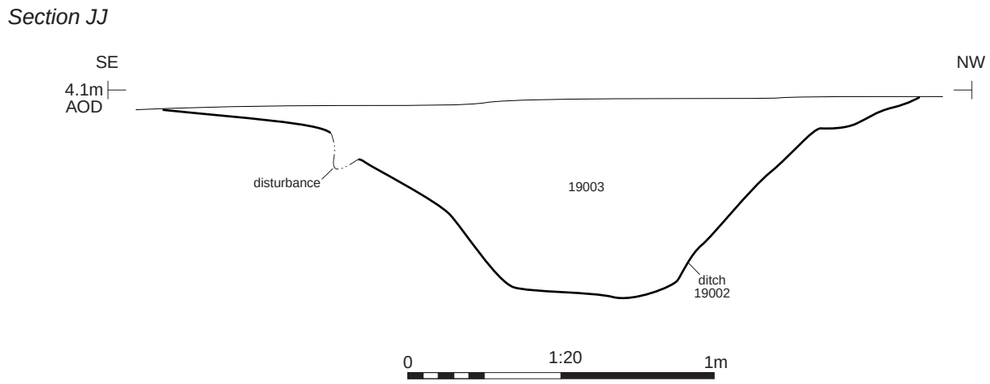
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**19**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	





Ditch 19002, looking south-west (1m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 190: plan, section and photograph

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CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**20**
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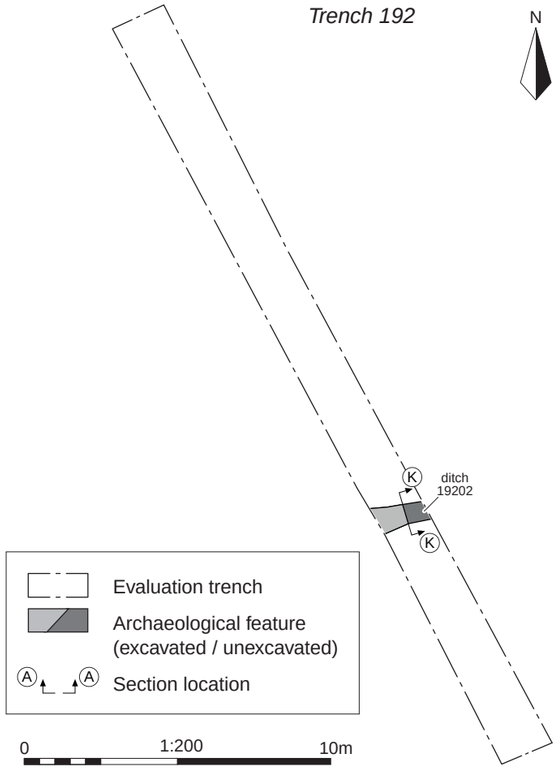
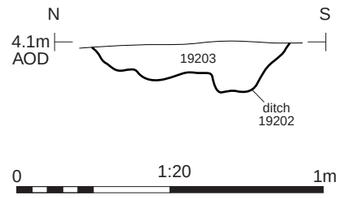
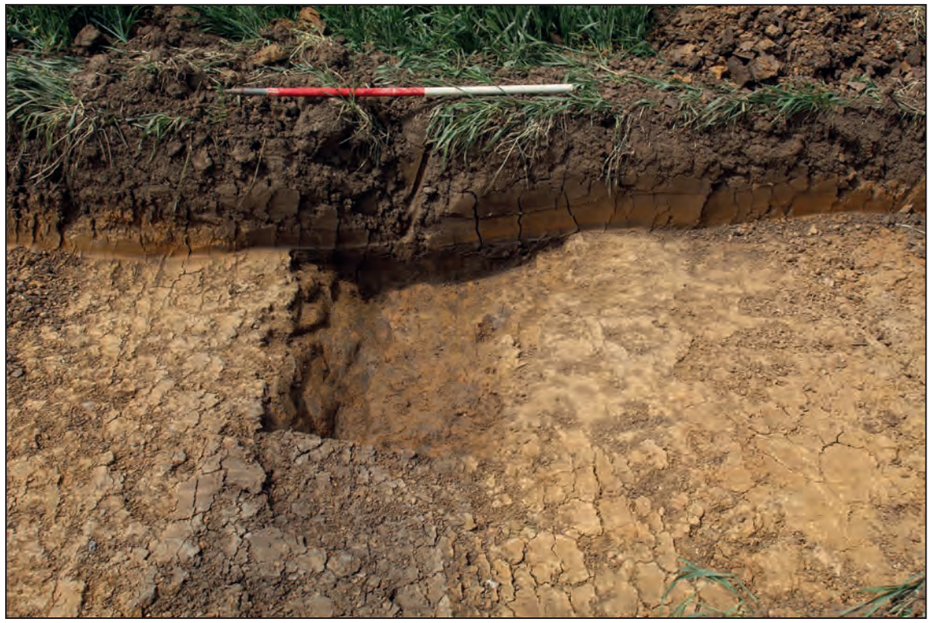
Trench 192



Section KK





Ditch 19202, looking west (1m scale)

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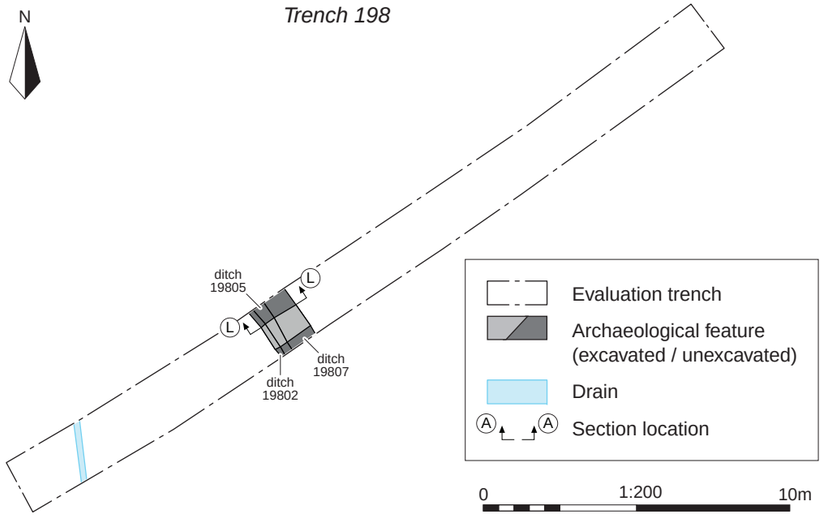
PROJECT TITLE

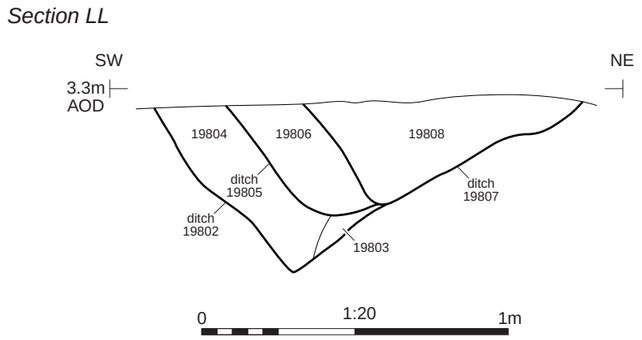
Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 192: plan, section and photograph

DRAWN BY	**RW**	*PROJECT NO.*	**SU0418**	*FIGURE NO.*
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**21**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	





Ditches 19802, 19805 and 19807 (foreground to background), looking north-east (1m scale)

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Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 198: plan, section and photograph

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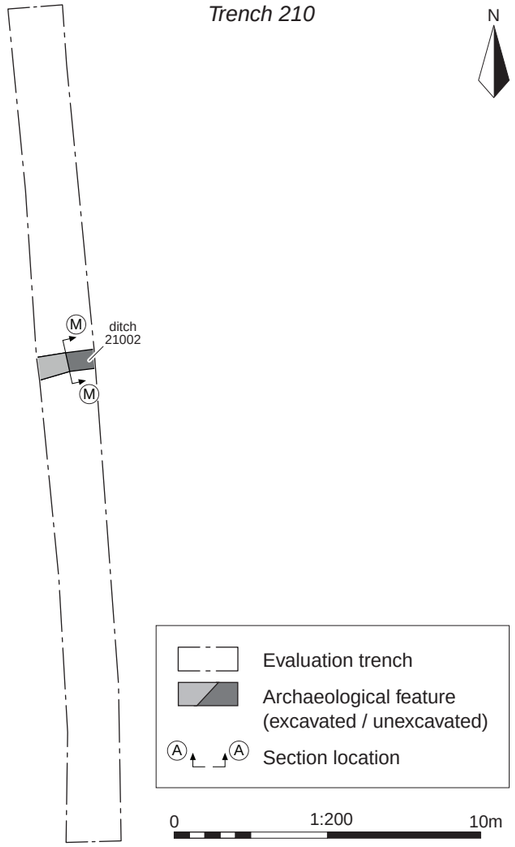
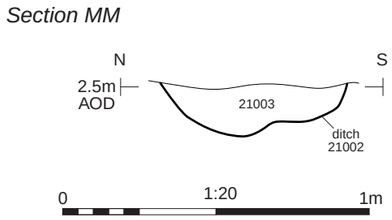
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**22**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	





Ditch 21002, looking east (0.5m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 210: plan, section and photograph

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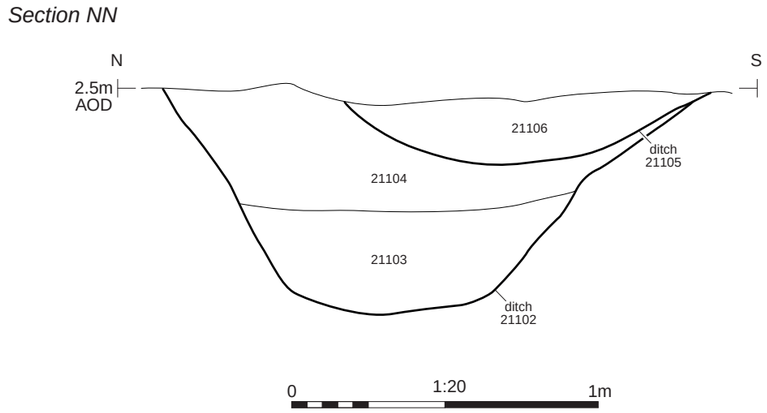
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**23**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	



Ditches 21102 (left) and 21105 (right), looking east (1m scale)

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Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 211: plan, section and photograph

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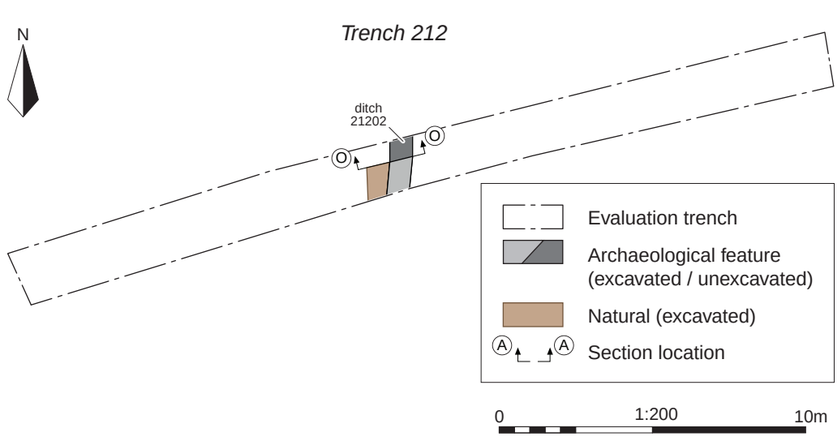
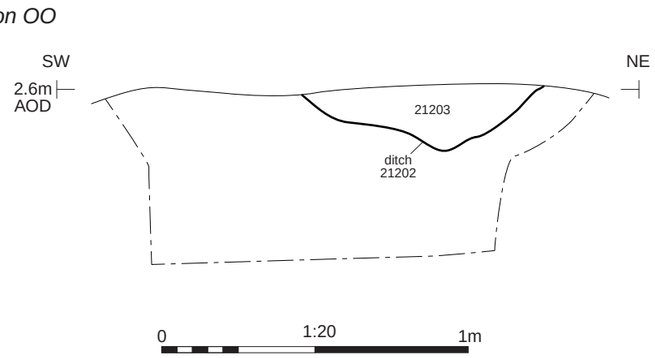
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**24**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	





Ditch 21202, looking north-west (1m scale)

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Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 212: plan, section and photograph

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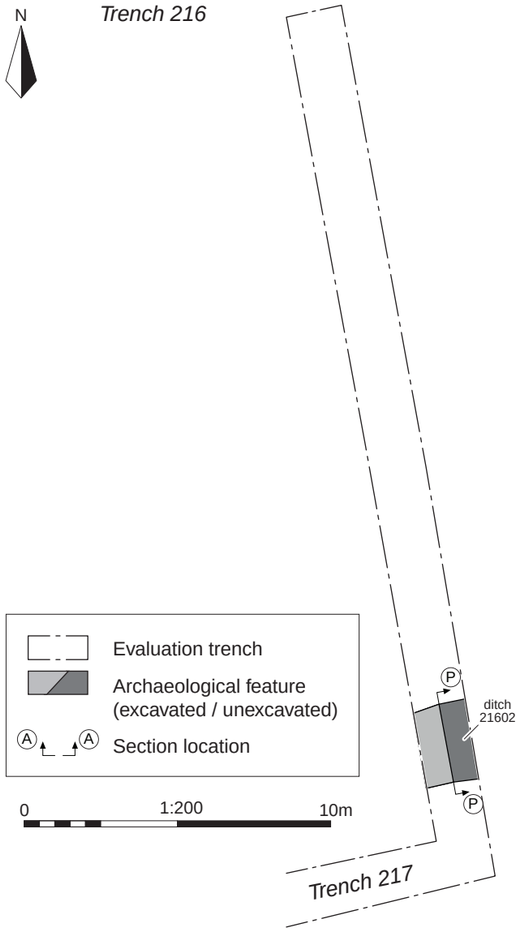
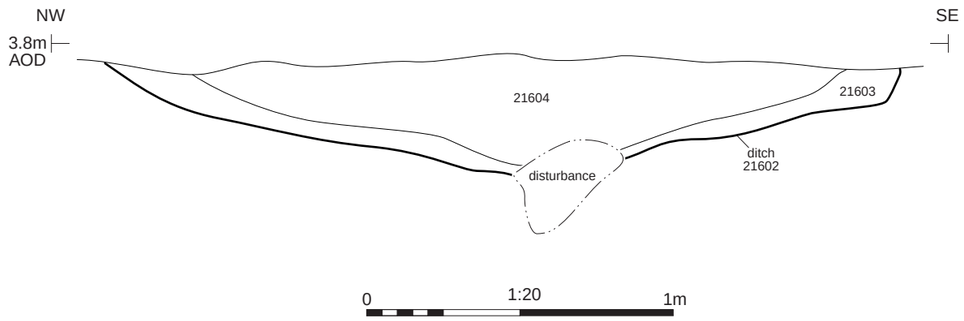
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**25**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	



Section PP



Ditch 21602, looking south-west (2m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 216: plan, section and photograph

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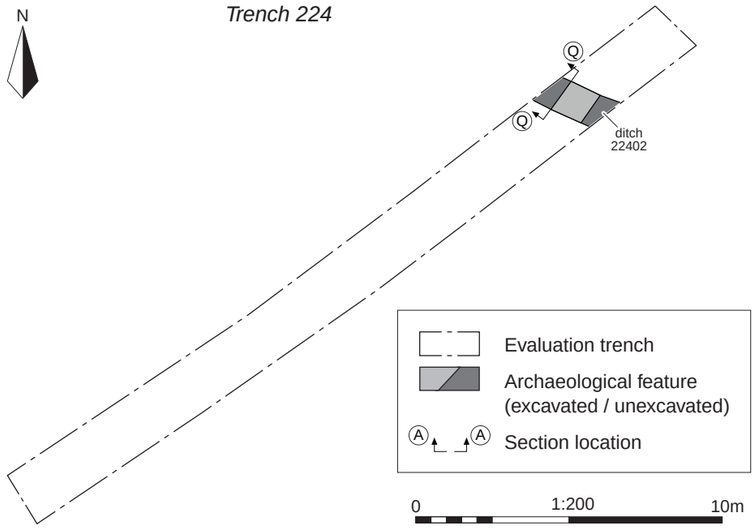
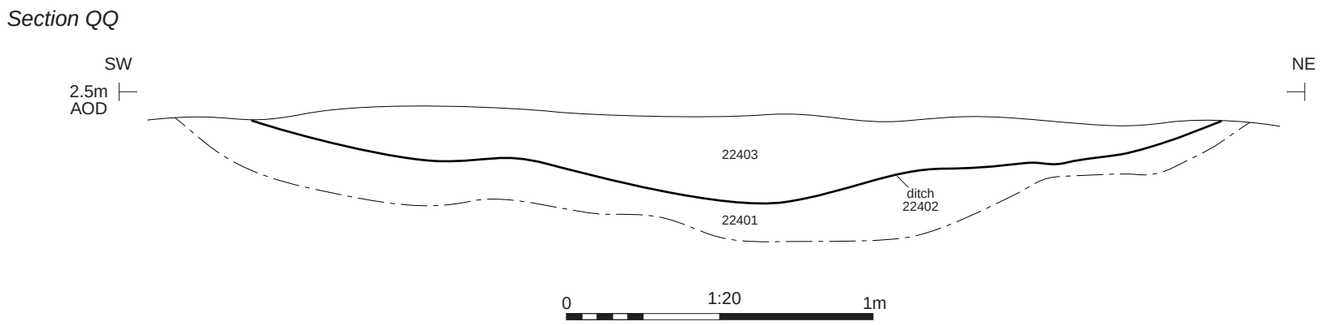
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**26**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	





Ditch 22402, looking north-west (1m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 224: plan, section and photograph

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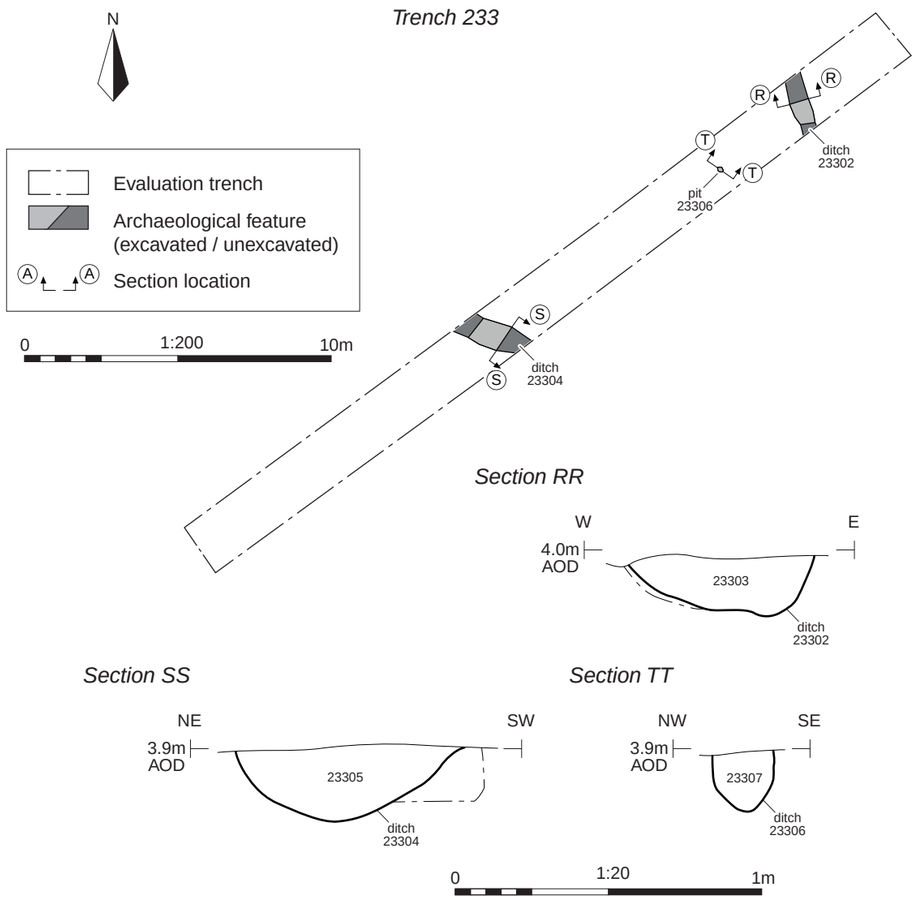
CHECKED BY	**DJB**	*DATE*	**05/07/2022**	**27**
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	



Ditch 23302, looking south-east (0.5m scale)

Ditch 23304, looking north-west (0.5m scale)

Pit 23306, looking north-east (0.2m scale)

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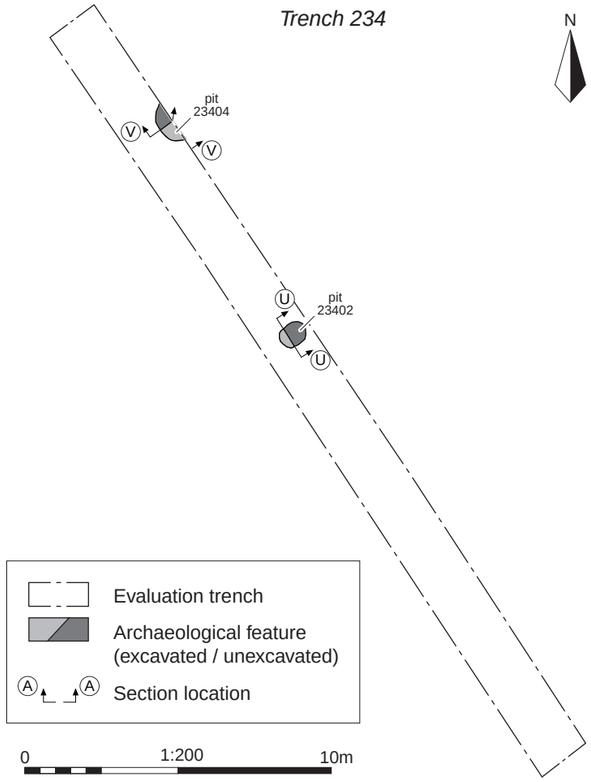
PROJECT TITLE

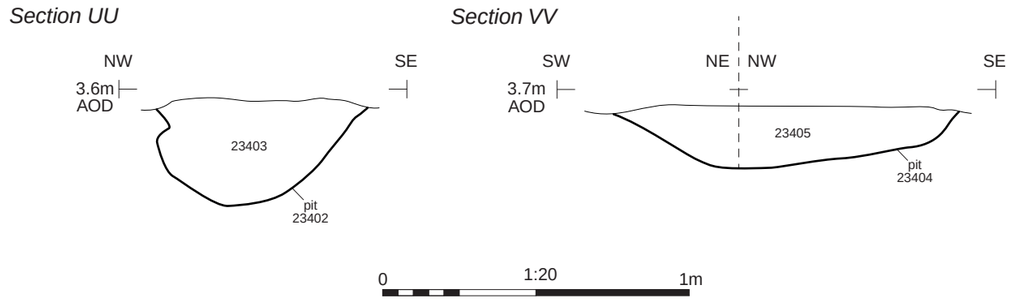
Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 233: plan, sections and photographs

DRAWN BY	RW	PROJECT NO.	SU0418	FIGURE NO.
CHECKED BY	DJB	DATE	05/07/2022	28
APPROVED BY	AW	SCALE@A3	1:200, 1:20	





Pit 23402, looking north-east (0.5m scale)

Pit 23404, looking north (0.4m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 234: plan, sections and photographs

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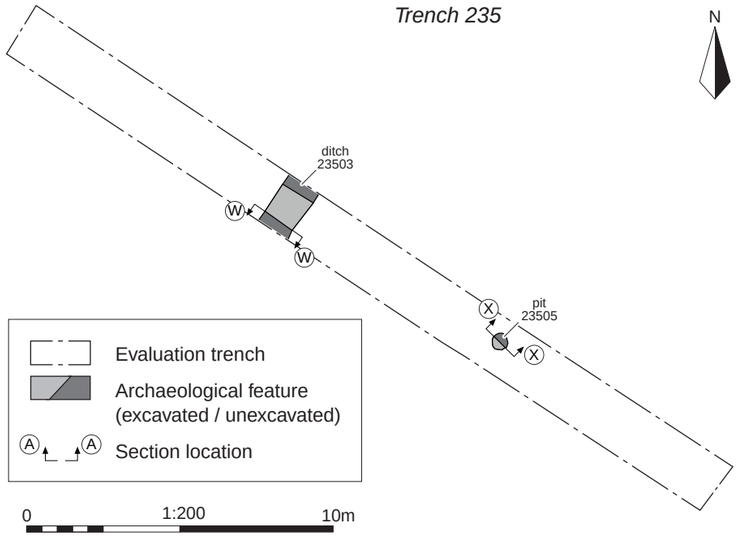
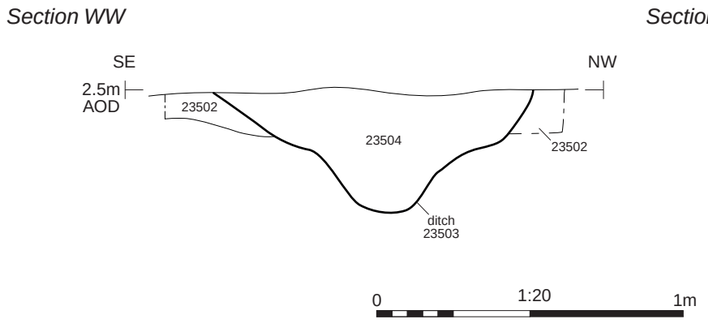
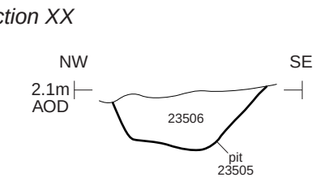
APPROVED BY	**AW**	*SCALE@A3*	**1:200, 1:20**	







Ditch 23503, looking south-west (1m scale)

Pit 23505, looking north-east (0.4m scale)

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PROJECT TITLE

Land off Fen Lane and Medebridge Road, South Ockendon, Essex

FIGURE TITLE

Area C, Trench 235: plan, sections and photographs

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