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MAP Archaeological Practice

City Fields (Phase II, Western and Eastern Areas)
Wakefield
West Yorkshire

Archaeological Strip, Map and Record

MAP 05.31.17

17/02079/REM

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Non-technical Summary

An Archaeological Strip, Map and Record was carried out by MAP Archaeological Practice Ltd at City Fields (Phase 2, Western Area), Wakefield, West Yorkshire (centred SE 34578 22261) between January and June 2018, on behalf of Redrow Homes Yorkshire. The work was undertaken in advance of the construction of residential development (Application Ref.17/02079/REM in respect to outline permission 13/0263/HB).

Phase II of the City Fields development lay within an archaeological landscape that had been previously illustrated through excavations by Wessex Archaeology, ASWYAS and On-site Archaeology, which collectively recorded activity spanning the Bronze Age, Romano-British, medieval and post-medieval periods as well as features relating to the First World War.

The site had previously been Geophysically Surveyed by ASWYAS, identifying a range of anomalies of archaeological origin, represented by a D-shaped enclosure, rectangular enclosures and ditches, along with strong magnetic anomalies at the southeast of the area that could relate to the demolished St. Swithin's chapel.

The excavations showed that a north-south land boundary had the D-shaped enclosure appended to it. A system of rectangular enclosures (or fields), with associated structural postholes and domestic pits, gullies and a probable corn drier, appeared to post-date the D-shaped enclosure. Dating evidence showed that the enclosure system spanned the Late Iron Age / First century AD through to the 3rd century AD. Features were also identified that related to medieval agricultural activity and the post medieval landscape probably associated with the adjacent Stanley Hall.

A moderate assemblage of Romano-British and medieval pottery was recovered, along with a modest amount of ceramic building material, fired clay objects and animal bone.

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1. Introduction

1.1 This report sets out the results of an Archaeological Strip, Map and Record, carried out by MAP Archaeological Practice Ltd. between January and June 2018, on land to the south of the Wakefield Eastern Relief Road, as part of the City Fields Development (NGR SE 34578 22261). The work was carried out in advance of the commencement of a residential development with associated infrastructure.

1.2 Condition 17 of the planning permission (outline planning permission reference 13/02623/HB) stated that:

Development shall not commence on phase one of this permission until the applicant, or their agents or successors in title, has secured the implementation of a programme of archaeological recording. This recording must be carried out by an appropriately qualified and experienced archaeology consultant or organisation, in accordance with a written scheme of investigation which has been submitted by the applicant and approved in writing by the Local Planning Authority

Reason: in the interests of archaeology in accordance with policy D17 of the Local Development Framework

- 1.3 The Strip, Map and Record was the final stage in a programme of archaeological work which included a Geophysical Survey (ASWYAS 2017).
- 1.4 The work was carried out in accordance with the recommendations of the National Planning Policy Framework (2012) on 'Archaeology and Planning' and according to a Written Scheme of Investigation (WSI) prepared by West Yorkshire Archaeology Advisory Service (Appendix 12).
- 1.5 The results of the Strip, Map and Record are intended to record and advance understanding of the archaeology, in accordance with the National Planning Policy Framework (NPPF, 2012) and policy D17 (development affecting archaeological sites) of the Wakefield Local Development Framework states that,
In the case of Class III sites permission will only be permitted where:
 - a. *The archaeological remains will be preserved in situ through careful design, layout and siting of the proposed development; or*
 - b. *When in-situ preservation is not justified or feasible, appropriate provision is made by the developer for excavation and recording before and/or during development and for the post-excavation analysis, publication, and archive deposition of any findings.*
- 1.6 MAP adhered to the general principles of both the ClfA (2014) 'Code of Conduct' and 'Standard and Guidance for Archaeological Field Excavation' throughout the work.
- 1.7 The site code for the project was MAP 05.31.17.
- 1.8 All work was funded by Redrow Homes Yorkshire.

1.9 All maps within this report have been produced from the Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office, Crown Copyright, Licence No. AL 50453A or via OpenStreetMap (<https://www.openstreetmap.org/copyright>).

2. Site Description

2.1 The site is located to the south of the A6194 Wakefield Eastern Relief Road, approximately 2km north-east of Wakefield city centre (NGR SE 34578 22261 - Fig. 1)

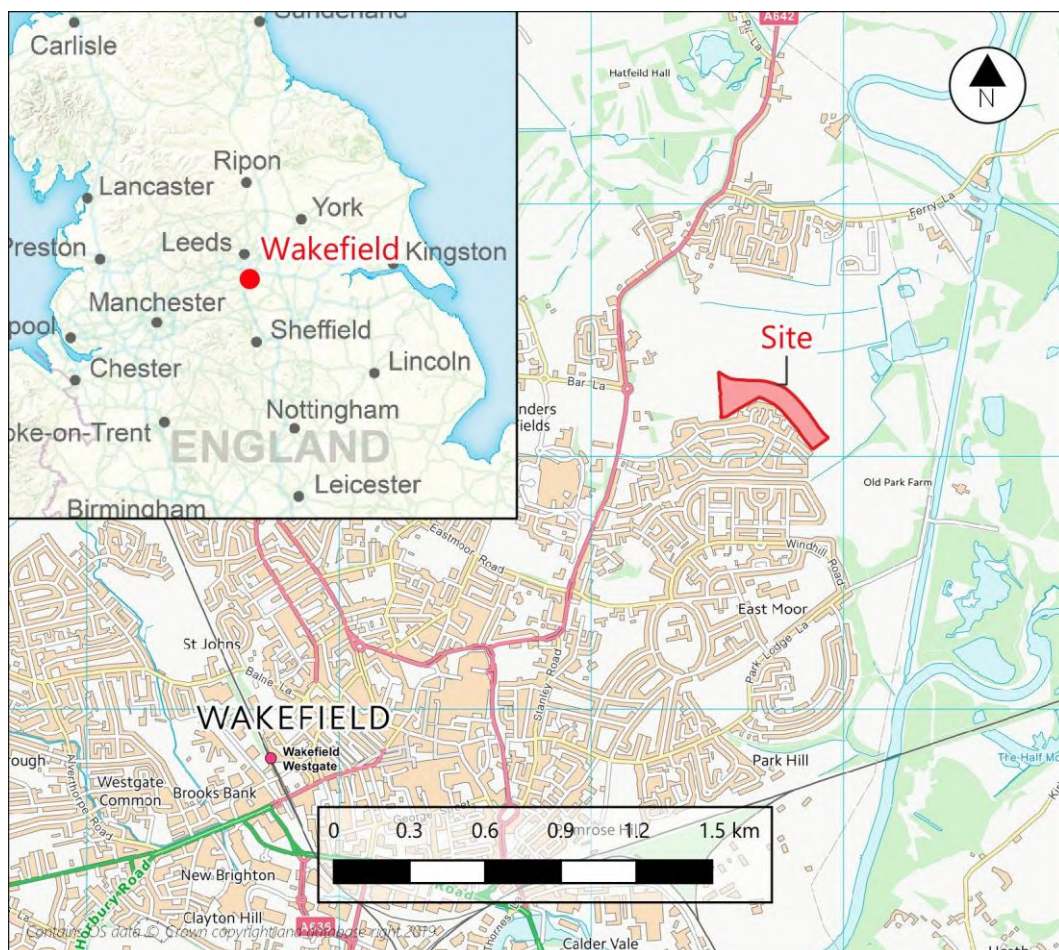


Fig 1. Site Location

- 2.2 The site consisted of agricultural land prior to development and was bounded to the north by the Wakefield Eastern Relief Road, to the west by ongoing development associated with City Fields Phase I, to the east by a public footpath and to the south by another footpath and housing situated along Barnstone Lane.
- 2.3 The site stands on deposits of the Pennine Middle Coal Measures Formation, which are overlain by River Terrace Deposits of sand and gravel to the east (British Geological Society).
- 2.4 The Archaeological Strip, Map and Record targeted two conjoined areas of the site (Fig. 2) that had a total area of 4.38ha (Area A was 2.33ha and Area B 2.05ha). The excavation was intended to investigate the entirety of the Phase II development including the geophysical anomalies of assumed archaeological origin.

3. Previous Archaeological Work.

3.1 Environmental Statement

- 3.1.1 The known cultural assets within the development area and its vicinity were considered in two documents (Cliffe 2013 and 2014). No designated assets were identified within the site, but the presence of the Grade 1* listed Stanley Hall and Grade II listed Clarke Hall were noted adjacent to the western boundary.
- 3.1.2 A geophysical survey was carried out by Phase Site Investigation to accompany the Environmental Statement and revealed the presence of

anomalies consistent with Prehistoric and Roman settlement and agriculture.

3.2 Geophysical Survey

3.2.1 Another magnetometry survey was carried out by ASWYAS in November 2017 and identified many anomalies of definite archaeological origin (WYAS 2017). The archaeological anomalies consisted of a D-shaped enclosure (A1) measuring 25m by 18m, appended to a linear ditch (A2) at least 60m in length. Other linear responses (A3) appeared to form a rectangular enclosure 36m by 28m in size. An area of separate anomalies (P1) to the south of the above, represented a concentration of possible pits of archaeological origin.

3.2.2 To the east, a double-ditched feature (A4) shared the same alignment as Ditches A2 and A3 and was therefore believed to be probably associated with them. The strong magnetic anomalies (A5) plotted in the southeast of the survey area appeared to form a series of small enclosures covering an area c. 64m by 23m in size; as these anomalies were within the assumed location of St. Swithin's chapel they were interpreted as possibly representing in-filled ditches associated with the chapel's demolition, or otherwise relate to the anomalies in the western area of the site.

3.2.3 Possible ridge and furrow remains were plotted in the central part of the survey area, and the presence of former relatively recent field boundaries was also noted. Anomaly F1 lay at the location of St Swithin's cottage, which was first recorded on the 1893 OS map, but was no longer present when the 1972-1982 map was surveyed.

4. Archaeological and Historical Background

- 4.1 The site was located within a known archaeological landscape that was illustrated by previous archaeological work carried out within the broader area of the City Fields Development.

- 4.2 Wessex Archaeology excavated eighteen Trial Trenches in the area east of Stanley Hall (Wessex Archaeology 2013) and identified three phases of archaeological activity: Late Prehistoric / Romano-British (represented by an enclosure immediately east of Stanley Hall), Late medieval / early post-medieval agricultural and parkland activities, and modern (Great War) Practice Trenches, plus more recent features probably relating to Stanley Hall).

- 4.3 Wessex Archaeology also carried out a 'Strip, Map and Sample' exercise on the route of the Wakefield Eastern Relief Road (Wessex Archaeology 2015), part of which passed directly north of MAP's excavated area. A single, well-defined boundary ditch was identified with a V-shaped profile, 1.7m wide and 0.8m deep, running on an east-west alignment.

- 4.4 ASWYAS subsequently carried out targeted archaeological excavation within the area that had been evaluated by Wessex Archaeology's Trial Trenching (ASWYAS 2016). The earliest phase was represented by Romano-British activity, which consisted of an enclosure that was 39m by 39m in size, with a 4.7m wide entrance to the east, and a re-cut perimeter ditch, which had a maximum width of 3.1m and depth of 1.23m. There were few internal features other than a sub-dividing interior gully; this general paucity of internal features suggested that the enclosure was

mainly concerned with animal husbandry. A probable field ditch was identified on the eastern side of the enclosure and was possibly later. This ditch was smaller in scale to the enclosure ditch, measuring a maximum of 1.74m in width and 0.64m in depth; its fill contained Romano-British sherds.

- 4.5 The post-medieval features of Phase II were represented by a boundary ditch and wall associated with Stanley Hall, plus postholes and a gully probably associated with the Hall's gardens.
- 4.6 A Great War practice trench and dugout comprised AWYAS's third phase.
- 4.7 In the medieval period the site lay within the lands of the historic parish of Stanley-cum-Wrenthorpe and three significant structures existed in the immediate environs of the site at this time. Both Clark Hall and Stanley Hall had medieval origins and survive, albeit in much-altered condition, to the northwest of the site. St Swithin's chantry chapel was first mentioned in a deed of c.1284 and was demolished in 1571. It was situated to the southeast of the site and was associated with a well and, supposedly, a hermitage. The extent of any precinct or settlement associated with the chapel is unknown but a substantial area was known as *St Swithin's Close* at the time of the First Edition Ordnance Survey map; the southeast extremity of MAP's excavation intruded into this parcel of land. The 1854 Ordnance Survey map shows a building in this area, which may have been the caretaker's cottage for the bath house that was erected in the late 18th or early 19th century by Sir Michael Pilkington of Stanley Hall, and which incorporated the well itself. The ice-cold well water was believed to be a curative for many diseases, and paying customers had the use of a large bath about 3m square, which was surrounded by benches and accessed via a flight of

steps that lead from a staircase descending from an archway connecting to the caretaker's cottage. The bath was used well into the 19th century until a borehole drew off the water supply, causing its final demise in 1876 (WYAS HER primary record No. 1636). A deep well was uncovered by building work in 1981 and was reported to remain in the back garden of a housing estate (presumably Barnstone Lane).

4.8 The bath house was part of the broader garden / parkland landscape that developed around Stanley Hall in the post-medieval and 19th century landscape. Stanley Hall was largely rebuilt in the years 1804-07 after a fire and was later used as a nurses' home.

4.9 Evidently access into this landscape was granted to the military during the First World War, in which the zig-zag trench and dugout recorded by ASYAS were excavated. These features were no doubt used as practice in the construction and defence of, and attacks to, such structures that were intrinsic to active service on the western front.

5. Aims and Objectives

5.1 In accordance with the *'Standard and Guidance for Archaeological Excavation'* (ClfA 2014) the aims of the Archaeological Strip and Record were to:

- Identify and record the presence/absence, extent, condition, character and date (as far as circumstances permit) of any archaeological features and deposits at the site.
- The Strip, Map and Record was designed to mitigate the destruction of buried archaeological remains through 'preservation by record' and furnish information on the development and form of settlement in Wakefield.

- To compile a lasting record of the resource; and
- To analyse and interpret the results of the excavation and disseminate them.

6. Methodology

6.1 Excavation

6.1.1 Overburden, topsoil and subsoil were removed by a 360° tracked mechanical excavator, fitted with a toothless bucket, operating under close archaeological supervision. Machining ceased at the top of either archaeological or naturally formed deposits, depending upon which was located soonest. The exposed surfaces were cleaned by shovel, hoe or trowel as appropriate and all subsequent excavation was carried out by hand in an archaeologically controlled and stratigraphic manner.

6.1.2 A sufficient sample of archaeological features and deposits were hand excavated in order to address the aims of the Archaeological Strip, Map and Record. As a minimum the following samples were excavated from features.

- 50% of all discrete archaeological features (e.g. pits and post-holes).
- 50% of all structural features (e.g. ring ditches, roundhouse gullies and beam slots) including all terminals and feature intersections.
- 20% of all linear features (e.g. ditches and gullies), including all terminals and feature intersections.

6.1.3 For the purpose of finds retrieval soil from both the machine stripping and hand excavation was visually scanned.

6.1.4 All work was carried out in line with the Chartered Institute of Field Archaeologists 'Code of Conduct' (CIfA 2014) and the 'Standard and Guidance for Archaeological Excavation' (CIfA 2014)

6.1.5 All artefacts were retained for specialist analysis.

6.1.6 Three Hundred and nineteen soil samples were taken from ditch and pit deposits for analysis (Appendix 4)

6.2 On-site Recording

6.2.1 All archaeological deposits were recorded according to correct principles of stratigraphic excavation on MAP's *pro forma* context sheets which are compatible with the MOLA recording system. A total of 1259 separate contexts were recorded (Appendix 1).

6.3 Plans and Sections

6.3.1 The full extent of all archaeological deposits was recorded in plan on drawing film at an appropriate scale (generally 1:20 or 1:50 for plans and 1:10 for sections). All drawings include an AOD height and their locations were plotted using a Trimble DGPS to tie into the Ordnance Survey National Grid. There were 799 drawings (Appendix 2).

6.4 Photographic Record

6.4.1 The photographic record consisted of 686 high-resolution digital images, and 97 in monochrome, recording all archaeological features and deposits encountered (Appendix 3).

6.5 Finds

6.5.1 Finds were processed in accordance with English Heritage Guidelines (EH 1995). All finds were cleaned, identified, assessed, dated (where possible), marked (where appropriate), and properly packed and stored according to national guidelines.

6.5.2 A total of 980 objects were recovered from the excavated features and deposits. The total consisted of 419 sherds of pottery, 362 animal bone fragments, 14 CBM fragments, 180 fragments of burnt clay, 3 iron objects, a stone spindle whorl and a quern fragment.

7. Results

7.1 *Phase 1 – North-South Boundary Ditch*

7.1.1 This ditch ran on a north to south alignment for a length of c. 60m through the extreme western part of the excavated area and was excavated in eleven segments (from north to south: 134, 070, 013, 034, 018, 506, 464, 498, 036, 117 and 005). It had a V-shaped profile that varied from 2.4m to 1.6m wide and 1m to 0.55m deep. There were definite indications of a 1.35m wide and 1.12m deep re-cut to Segment 013 (cut 008, fills 006-7), which possibly represented the western ditch of the D-shaped enclosure from Phase 2.

7.1.2 The ditch fills generally consisted of brown or greyish brown silty clays with varying amounts of limestone fragments, apart from the southernmost segment (005) which was cut into clay and accordingly had two largely stone-free fills (003 and 004).

7.1.3 Finds were scarce but the rim from a 2nd century reduced ware flange rim bowl came from 017 (the fill of 018), and 2nd century sherds (Appendix 7), including another flange rim bowl and a mortarium rim sherd, from 068 (secondary fill of 070). A modern iron corner bracket (presumably intrusive - Appendix 10) was recovered from 066 (the uppermost fill of 070). Other than modern material, little was evident in the soil samples other than oak charcoal from 131 (middle fill of 134) and indeterminate charcoal from 004 (primary fill of 005 – Appendix 6).

7.2 Phase 2 – D-Shaped Enclosure

7.2.1 The D-Shaped enclosure cut into the eastern side of the Phase 1 ditch. (The relationship plainly showed at the southern intersection, where Segment 030 of the enclosure cut into the Phase 1 Ditch but was less clear at the northern intersection where the relationship of Enclosure Segment 134 to Ditch Segment 140 was re-interpreted during post-excavation, whereby the enclosure was seen to cut the ditch.) The interior of the enclosure measured c. 23m from north to south and 16m from east to west.

7.2.2 The boundaries of the D-shaped Enclosure appeared to utilise the pre-existing Phase 1 ditch on the west side (the recut previously mentioned in 7.1.1) with the addition of two curvilinear arms, one at the north, the other to the south, which terminated to leave a c.3m wide entrance on the eastern side. A posthole (210) was situated between the two terminals, probably to manage access into the enclosure. The northern arm of the ditch was excavated in four segments (from west to east: 140, 089 and 125, terminating at the southeast end as 172). Four segments were also excavated into the southern arm (from west to northeast: 030, 100 and 128, with 189 as the northeast terminal). The ditch averaged 1.8m in width, but

the two entrance terminals were wider (189 was 2.32m wide and 172 was 2.64m). The profile varied from V- to U-shaped, with a depth ranging from 0.75m to 1.14m.

7.2.3 The ditch fills generally consisted of brownish silty clays with varying concentrations of stone, but three of the primary fills (171 and 188 – at the base of entrance terminals 71 and 189 respectively, plus 140 – in effect the primary fill of ditch ‘terminal’ 140 where it intersected with the Phase 1 ditch) consisted of deposits of blue grey clay that were probably water-lain. Two pottery sherds, both in generic Romano-British Reduced ware (Appendix 7), were recovered from the ditch, one each from 088 (primary fill of Segment 089) and 169 (top fill of Segment 172). A significant group of 138 animal bone fragments (Appendix 8) was recovered from fill 138 (the secondary fill of ‘terminal’ 140), the diagnostic zones consisting of cattle (7), sheep/goat (6), dog (4) and horse (1). The significance of this group is expressed by its size (41.5% of the total site assemblage) and location within a ditch terminal, the latter hinting that its deposition was for reasons other than pragmatic. Other than modern material, environmental information was severely limited (Appendix 6) and consisted a single rye grain from 170 (secondary fill of terminal 172) and single indeterminate grains from 124 (secondary fill of Segment 125) and 127 (primary fill of Segment 128).

7.2.4 The southwestern part of the D-shaped enclosure’s interior was partitioned off by two gullies laying at right-angles to each other, one on an east-west alignment (Segments 231, 233 and 237), the other aligned north-south (Segments 277, 279 and 281). A posthole (212) laying centrally between the entrance created by the two opposed gully terminals was probably intended to control access into this part of the D-shaped enclosure. No

finds or significant environmental information (Appendix 6) were recovered from the fills of the gullies (230, 232 and 23; 276, 278 and 280 respectively), although a small piece of indeterminate charcoal was recovered from 211 (the fill of entrance posthole 212).

7.2.5 The area demarcated by the two gullies was occupied by a concentration of postholes, which probably represent a sequence of activity related to the raising and modifications to a structure. For the purposes of this report a limited attempt is made to identify separate groupings of these features (further work in analysing such elements as the dimensions and positions of the features might be able to clarify any links between them and separate out any sequence that might exist). The main group of postholes formed a sub-rectangular spread 5.5m long and 3.5m wide, implying a structure with a rectangular form.

7.2.6 The most readily interpretable group is a line of postholes (from northwest to southeast: 536, 568, 562, 627, 564, 528, 562, 647, 552, 546, 548, 550 and 598) that may have formed the southern 'wall' of the putative structure. Postholes 600, 580 and 582 provide a less convincing east 'wall' for the structure. This leaves a concentration of postholes between the two 'walls': 528, 566, 570, 572, 574, 576, 578, 588, 602, 606, 608, 610, 635, 639, 641, 647 and 649. The postholes were predominantly sub-circular, with diameters in the range 0.62m to 0.20m, and depths between 0.6m and 0.12m. There were no finds from any of the brownish silty fills of these postholes and environmental information (Appendix 6) was confined to two rye grains (571 [572]), indeterminate grains (575 [576] and 579 [580]) and oak charcoal (543 [544] and 599 [600]).

7.2.7 Further postholes were recorded in the area south of the putative structure (356, 511, 516, 518, 520, 522, 524, 548, 554, 560, 590, 594 and 596). These were subcircular features similar in form and size, and with similar fills to those described immediately above. There were no associated finds, but slivers hazel and oak charcoal were respectively present in 559 [560] and 519 [520] (Appendix 6). Two pits (558 and 514) were present in this area. Pit 558 was sub-circular with a diameter of 1.2m and a depth of 0.35m and was filled with brown silty clay (557) that contained no finds or environmental data. Further to the east, Pit 514 was oval in plan, with a length of 1.6m, a width of 1m and a depth of 0.7m; it had two fills: grey silty clay at the base (513) and yellowish brown silty clay (512) at the top, neither of which contained any finds. Pit 514 cut Posthole 516 on the eastern side and was itself cut by Posthole 511.

7.2.8 Moving eastwards, the southern terminal of the north-south partitioning gully cut into a sub-rectangular pit (665). Pit 665 was 2m long, 1.1m wide and 0.15m deep; the yellowish-brown sandy clay fill (666) contained no finds or environmental information. A subcircular posthole (594) lay at the southwest side of the pit and three additional postholes (371, 369 and 367) extended north-eastwards from it. The postholes yielded no finds, but a single oat grain was recovered from 368 and oak charcoal from 370 (the fills of 369 and 371 respectively – Appendix 6).

7.2.9 A posthole and four pits were identified running on a rough north to south alignment in the area immediately west of the putative structure. At the north of this line posthole 592 had a diameter of 0.6m and a depth of 0.25m, filled with greyish brown silty clay (591). To the south, Pit 478 was sub-circular, 1.24m long, 0.92m wide and 0.15m deep; the brown sandy clay

fill (480) contained a small quantity of oak charcoal (Appendix 6). Two intercutting pits (285 and 660) lay further to the south. Pit 285 was the earliest of the two and was sub-rectangular with a length of 2.4m, a width of 1.4m and a depth of 0.5m; its brown silty clay fill (284) contained frequent limestone fragments and burnt stones, an early 2nd century mortarium rim sherd (Appendix 7) and a small piece of hazel charcoal (Appendix 6). Pit 660 was sub-oval in form, with a length of 1.68m, a width of 1.1m and depth of 0.74m; two brownish silty clay fills (657 at the top, 659 at the base) were separated by a band of grey ashy material (658), with a deposit (650) of dark charcoal-rich silt above, the latter containing a clay loom weight fragment (Appendix 9) and fragments of oak and alder charcoal (Appendix 6). Pit 534 lay c. 0.5m to the south, and was 1.55m in diameter and 0.95m deep; it had two greyish brown silty clay fills (531 at the top, 533 at the base), with a very stony greyish silty clay deposit in between. A stone spindle whorl and a Reduced ware body sherd (Appendix 7) were found in 531.

7.2.10 Seven postholes were recorded in the northern part of the D-shaped enclosure. Postholes 195 and 197 were situated adjacent to each other and were respectively 0.15m and 0.7m in diameter, and 0.08m and 0.2m in depth. Both had clay fills (194 and 196 respectively) but the darker hue of 194 could make this a more recent feature. The remaining five postholes (142, 144, 199, 304 and 306) were situated c.5m to the east and had diameters between 0.4m and 0.24m, and depths between 0.16m and 0.08m, in size. The brown or dark greyish brown silty clay fills (141, 143, 198, 303 and 305 respectively) contained no environmental information other than a small fragment of birch charcoal from 141 (Appendix 6); 141 also contained two Reduced ware body sherds (Appendix 7).

7.3 Phase 3 - Rectangular Enclosures 2-9

7.3.1 **Enclosure 2** was situated immediately north of the D-shaped Enclosure and its southern ditch cut into the latter's northern ditch. Enclosure 2 was slightly trapezoid in form, being c. 38m wide at the south and c.47m wide at the north and measuring 26m from north to south. Any entrance into Enclosure 2 was not present within the excavated area, but as most of its northern ditch lay beyond the limit of excavation, presumably it lay in that area.

7.3.2 Eleven segments were excavated into Enclosure 2's ditch and heading clockwise from the northeast corner these were: 613, 478, 619, 617, 300, 252, 149, 081, 448, 059 and 103. The ditch had a variable wide-U to V-shaped profile and was as at its widest on the western side (c. 2m), the southern and eastern sides having a width of c. 1m; the depth averaged 0.5m. Four of the primary fills (058 [059], 102 [103] and 299 [300]) plus a tertiary fill (445 [448]) consisted of blue grey clay suggestive of deposition by water. The only finds consisted of an exceptional group of pottery from 080 (fill of Segment 081) consisting of 102 sherds potentially ranging in date from AD 70 to AD 410 (Appendix 7), the sheer quantity and broad date range possibly suggesting a dump from a domestic clear-out. Two fills (058 [059] and 080 [081]) contained fragments of oak charcoal (Appendix 6). Three small undated postholes or stakeholes (287, 289 and 291) were present within the enclosed area.

7.3.2 **Enclosure 3** was situated immediately to the south of the D-shaped Enclosure and formed a space c. 36m from west to east and c. 21m from north to south. It was bounded by ditches on the eastern and southern

sides – the western end of the latter was modified twice and tacked on to the Phase 1 boundary ditch, which presumably was utilised as the enclosure's western boundary. The northern boundary of the enclosure was apparently formed by a row of five postholes that extended north-westwards from the northern terminal (168) of the eastern ditch to the southern terminal of the D-shaped Enclosure.

7.3.3 The eastern ditch was excavated in three segments (147, 166 and 168), the southern ditch consisting of a further three segments (104, 109 and 439), Segment 439 being a terminal that cut into a north-westward running ditch (Segments 433, 072 and 502) which terminated at the Phase 1 north-south boundary ditch. These ditches had a vertically-sided and flat-based profile, c. 1m wide and 0.42m deep. The northwest-southeast ditch cut an earlier east-west c. 1m wide and 0.6m deep ditch (Segments 072, 313 and 436) which terminated at its western entrance at a point c. 1m from the Phase 1 north-south ditch. There were no finds from any of the fills of these ditches, which tended to be brownish silts with varying amounts of limestone fragments. The only environmental data (Appendix 6) consisted of ten grains of bread wheat from 104 (upper fill of Segment 106) and a single grain of wheat from 146 (primary fill of Segment 147).

7.3.4 The row of five postholes referred to above consisted of, from the northwest, 331, 315, 319, 360 and 358. These were subcircular features between 0.7m and 0.3m in diameter, and 0.16m and 0.05m in depth. The fills were brownish or greyish brown silty clays; there were no finds. Two similar postholes (317 and 362) were situated to the south of the row. Pit 373 was the only feature identified within the interior of Enclosure 3; this was an oval cut, 1.4m long, 1.29m wide and 0.63m deep. The brown sandy

silt fill (372) contained frequent cobbles, but nothing else of note save a fragment of hazel charcoal (Appendix 0). To the north of the posthole row there were two isolated postholes (323 and 481) and a sub oval pit (656) that was 2.75m long, 0.8m wide and 0.65m deep. This pit had a sequence of fills, beginning slumped yellowish brown silt with limestone fragments around the edges (654 and 655), surrounding brown silty clay (653), with a thin band of dark silt and 'ash' above (652) and stony reddish brown silty clay (651) at the top; there were no finds or environmental information. To the east of the enclosure, close to the western boundary of Enclosure 4, a shallow oval pit (222) was recorded adjacent to a shallow gully (201-203-205) of uncertain origin.

7.3.5 **Enclosure 4** lay c. 10m east of Enclosure 2, with interior dimensions of 80m from west to east and at least 64m from north to south (the presumed northern edge being outside the limit of excavation). Enclosure 4 was linked to the northwest corner of the Enclosure 2 by a 10m long east-west ditch that was later the latter (the terminal Segment 476 cutting Enclosure 2 Segment 478). The east-west ditch was contemporary with the western ditch of Enclosure 4, the two ditches merging as Segment 685, which turned at a right angle to run southwards. The sequence is complicated by the presence of an earlier ditch (excavated in Segment 672) that ran on the same alignment as the western edge of Enclosure 4 but was cut away by the northern edge of Segment 685 (the corner segment). As an illustration of these ditches, Segment 685 was c. 1.2m wide and 0.4m deep, with a rounded-V profile; its primary fill (684) consisted of water-deposited blue-grey clay.

7.3.6 Southwards from Segment 685, another three segments (507, 615 and 282) were excavated into the western ditch of Enclosure 4, showing it to be c. 1m wide and 0.6m deep with a rounded-V profile. There were no finds, but a fragment of oak charcoal was recovered from 614 (the fill of Segment 615 – Appendix 6). The ditch turned a right angle (as corner Segment 273), running via Segment 216 to an apparent terminal (Segment 220). Thereafter, the southern edge of Enclosure 4 was discontinuous, running for a length of c. 7.5m as Segment 356, before resuming as terminal Segment 390 and continuing to the excavation boundary via Segments 387 and 454. It is possible that the discontinuities in the ditch are due plough damage as opposed to the deliberate creation of entrances through it. Because of the apparent truncation of the ditch, accurate dimensions cannot be given for the eastern part of the ditch, but corner segment 273 was 1.65m wide and 0.6m deep with a rounded-V profile. There were no finds from the brownish silty clay fills, but a bread wheat grain was recovered from 215 (the primary fill of Segment 216) and an oat grain from 274 (the fill of Posthole 215, present at the southern edge of Segment 273 – Appendix 6). The eastern ditch was represented by six segments (from north to south: 729, 695, 692, 689, 406 and 408). This ditch had a rounded-V profile that varied between 1.45m and 0.75m wide and 0.73m and 0.50m deep. The fills were generally brownish clay silts, but 728 (the primary fill of Segment 729) consisted of grey clay. Finds were rare, although 695 contained a Reduced ware dish rim (Appendix 7). Environmental data were equally rare, with a single emmer grain from 405 (the upper fill of Segment 406).

7.3.7 Four pits and an isolated posthole were recorded in the western part of Enclosure 4's interior. The pits were of differing character: Pit 678 was

subcircular, with a diameter of 1.9m and a depth of 0.55m and was filled with four varied clay deposits (679-682), the upper fill (682) containing ten fragments of oak charcoal suggesting substantial burning (Appendix 0). Pit 697 cut into Pit 699 on the southeast side and were respectively filled with greyish brown clay silt (696) and yellowish-brown clay silt (698). Pit 667 lay east of Pit 678 and had a diameter of 0.7m and a depth of 0.3m; the fill (668) consisted of brown clay silt. There were no finds but fills 682 and 696 contained oak charcoal fragments (Appendix 6). Posthole 414 was situated close to the southern ditch of the enclosure and was sub-square in form, 0.29m across, 0.09m deep and filled with brown sandy silt (413).

7.3.8 A group of seventeen postholes (323, 330, 333, 335, 338, 341, 344, 346, 348, 381, 383, 392, 394, 396, 398, 402 and 409) and two pits (376 and 378) were present at the southeast corner of Enclosure 4. The postholes averaged around 0.3m in diameter and 0.15m in depth and were filled with brownish clay silt. No finds were recovered from the postholes, but a significant total of eighty oat grains, plus one indeterminate grain, were recovered from 393 (fill of 394), forty-nine oat grains and a pea from 334 (fill of 333), nineteen oat grains from 336 (fill of 335), and fragments of birch charcoal from 340 (fill of 341) and hazel charcoal from 345 (fill of 346 – Appendix 6). Pit 378 was 2.6m in diameter and 0.07m deep with a dark brown clay silt fill (375), with another pit (fill 375, cut 376) truncating the centre. Although the nature of the fills could suggest a modern origin for the two pits, the group of postholes appeared to respect the confines of the enclosure and hence could be contemporary with it. A line of three postholes (423, 425 and 427) appeared to respect the inside of the eastern ditch of the enclosure and could therefore be associated with it.

7.3.9 **Enclosure 5** lay immediately east of Enclosure 4, its western boundary forming the eastern ditch of the latter (described above). The eastern ditch of Enclosure 5 ran roughly parallel to its western ditch but curved to the northeast and terminated at its northern end. Although the southern and northern boundaries were not present within the excavated area, the width of the enclosure from west to east was 38m.

7.3.10 Six segments were excavated into the eastern ditch of Enclosure 5 (from the northeast terminal: 738, 732, 735, 701, 675 and 630). The ditch varied from 0.5m wide and 0.17m deep at its northern terminal (738) to 1.32m wide and 0.57m deep at the southern segment (630). Several of the primary fills (737 [738], 731 [732] and 734 [735]) were greyish clay silts or clay suggesting deposition by water. There were no finds, but two primary fills (674 and 731) respectively contained a barley grain and oak charcoal and upper fill 631 contained hazel nutshell (Appendix 6). There were few internal features other than two postholes (421 and 484) and a gully (489/491). Posthole 421 was filled with dark grey silty clay (420), suggesting a modern origin but the fill (483) of Posthole 484 had a paler hue and was accordingly more likely to have an archaeological origin. The gully was relatively narrow (0.24m–0.4m and shallow – 0.09m–0.13m) and ran for c. 11m parallel to the eastern ditch of the enclosure, which could imply that it was contemporary with the enclosure. There were no finds or environmental data from the postholes or gully.

7.3.11 **Enclosure 6** was situated immediately east of Enclosure 5, its western boundary forming the eastern ditch of the latter. A 64m length of the enclosure's eastern ditch was exposed but neither the putative southern nor northern ditches lay within the excavated area. The eastern ditch was

excavated in eight segments (from north to south: 748, 746, 743, 741, 726, 721, 711 and 703) and averaged approximately 1.2m in width and 0.35m in depth, with a U-shaped or rounded-V profile. Towards the southern end of its run, the ditch (as Segment 721) cut into a separate east-west ditch (Segment 723 of the southern ditch of Enclosure 7 – see below); the section suggests that this truncation was a re-cut of the eastern ditch as Segment 723 dipped down evenly to the base of Segment 721, suggesting that they were contemporary when originally dug; perhaps there was a build-up of silt at the ditch junction, resulting in the maintenance of the ditch at this point. The upper ditch fills were predominantly yellowish brown silty clays, but two of the primary fills consisted of blue grey clay (725 [726] and 720 [721]) and two others of paler grey clay (745 [746] and 740 [741]) suggesting deposition by water. No finds were associated with the ditch and the meagre environmental information consisted of a piece of oak charcoal from 745 (primary fill of 746 – Appendix 6).

7.3.12 The principal feature within Enclosure 6 was a Corn Drier (Group No. 837) situated in the north west part of the enclosed area. The corn drier was contained within a 5m long, 1.8m wide and 0.5m deep construction cut (836) which connected at its northern end to an oval 'rake-out' pit (830), measuring 5m in length, 3.2m in width and 0.3m in depth; both were dug into the natural clay. The construction cut contained a single horseshoe-shaped wall, open to the rake-out pit to the north and recorded as 834 to the west and 835 to the east, together representing the firing chamber. The wall consisted of irregularly shaped sandstone blocks, bonded with heat-affected red clay and surviving to two courses in height. Gaps in the stonework suggested that the wall had been partly robbed. A deposit of charcoal-rich, very dark grey clay silt (833) occupied the northwest part of

the rake-out pit extending southwards into the firing chamber and contained eleven gritty and four Reduced ware sherds (Appendix 7), along with thirty-five oat and two bread wheat grains, plus six pieces of oak charcoal and a burnt hazel nutshell (Appendix 6). The remainder of the lower part of the rake-out pit was filled with grey silt (829). A dump of large sandstone blocks (832) filled the firing chamber and probably resulted from the demolition or collapse of the superstructure. Deposit 832 contained eighteen oat, ten bread wheat and one rye grain, along with oak charcoal. The upper part of the rake-out pit was filled with stony, dark grey silty clay (828) containing three body sherds in gritty fabric (Appendix 7), thirty-five oat and two bread wheat grains, fragments of oak charcoal (Appendix 6) and fired clay fragments that included a possible vent hole or wattle impression and possible shelf fragments (Appendix 9). The final deposit into the corn drier consisted of dark silty clay (831) which yielded a single indeterminate grain (Appendix 6).

7.3.13 Two postholes were present within the rake-out pit; Posthole 839 (oval in plan, 0.45m x 0.30m and 0.30m deep) was situated at the northern end of wall 345; Posthole 841 (circular, 0.2m diameter, 0.2m deep) cut into the northeast edge of the pit. These two postholes were adjacent to the assumed heat source indicated by Deposit 836 so were unlikely to have functioned during the use of the structure. Two groups of postholes situated more marginally (Postholes 833, 849, 850 and 843 on the southern edge of the rake-out pit, and Postholes 769, 771, 773 and 796 on the northern edge) perhaps may have supported a screen or canopy. No finds were associated with these postholes, but 768 and 770 (the fills of 769 and 771 respectively) contained oak charcoal, 772 (the fill of 773) - oat grains,

821 (fill of 822) - oat and emmer grains, 838 (fill of 839) - oak charcoal and 842 (fill of 843) - oat grain (Appendix 6).

7.3.14 Archaeomagnetic dating of the corn drier by Bradford University obtained three date ranges, two of which were in the second millennium BC and the final one in the range **443 BC – 60 AD**. The later date fits the archaeological context and, as the only other dating evidence consists of featureless sherds of Roman character (some of which probably were deposited after the structure's abandonment), the last firing of the corn-drier apparently took place in the Late Iron Age / Early Romano-British period.

7.3.15 Two gullies (798 and 817) were situated on the eastern side of the corn drier and ran parallel to its longest axis on a northeast to southwest alignment for a length of c. 4m. The gullies had shallow U-shaped profiles and were approximately 0.3m wide and 0.08m deep. The dark grey clay silt/sand fills (797 and 816 respectively) had no finds and no environmental data other than an indeterminate charcoal fragment from 816 (Appendix 6). The northern ends of both gullies both terminated in a posthole (808 at the end of 813 and 805 at the end of 817). The postholes were approximately 0.8m in diameter and 0.12m in depth and filled with greyish silty clay (806/7 and 803 respectively); neither contained anything of note other than five oak charcoal fragments from 803 (Appendix 6). The southern end of Gully 798 was lost to recent disturbance, but Gully 817 ended in a shallow rounded terminal, with a further posthole (815) at its tip. These features were possibly indications of a screen or shelter on the eastern side of the corn drier. Another gully (750) lay c. 3m away from the northwest corner of the corn drier, measuring c. 3m long, 0.4m wide and 0.17m deep; the dark

grey clay sand fill (749) contained oat and bread wheat grains, along with fragments of oak charcoal (Appendix 6). The association of this gully with the corn drier is uncertain given its relative position and slightly anomalous alignment.

7.3.16 Two other features were identified within Enclosure 6: Pit 753 and Gully 765/757/759; another posthole-like feature (755) was judged natural in origin. Pit 753 was situated in the north-western part of the enclosure, c. 14m north of the corn-drier; it was circular, with a diameter of 2.1m and a depth of 0.34m. The primary fill (752) consisted of greyish clay, with stony, dark greyish brown clay silt (751) in the remainder of the pit; there were no finds but 752 contained fragments of oak and hazel charcoal (Appendix 6). The gully was a slightly curvilinear, c. 1m wide feature, running on a rough north-south alignment in the north-eastern part of the enclosure; it extended northwards out of the excavated area and terminated (as Segment 757) at its southern end. The fills (764, 756 and 759) of the excavated segments consisted of greyish brown clay silts, from which there were no finds or environmental data.

7.3.17 **Enclosure 7** continued eastwards from Enclosure 6, its western ditch forming the eastern boundary of the latter. The relationship of the southern ditch of Enclosure 12 to the eastern ditch of Enclosure 6/western ditch of Enclosure 7 has been discussed above (6.3.11). The latter, southern, ditch continued southeast-wards (via Segment 767) for c. 15m to a 1m wide entrance, which was defined by terminal segment 778 to the west and terminal segment 802 to the east. The southern ditch averaged 2m in width and was between 0.82m and 0.42m deep, generally with a flat-based V profile. The primary ditch fills (where present) consisted of dark or blueish grey silty clay,

with paler, greyish brown silty clays above; there were no finds or significant environmental data. The south-eastward course of the ditch continued (via segments 820, 854 and 891) to the point where it turned to the northeast to form the eastern boundary of the enclosure (Segments 1220, 1223, 1239, 1218, 1199, 1187, 1185 and 1183). The form and fills of these segments were akin to those of the southern ditch with a similar lack of finds and environmental information other than a piece of birch charcoal from 1182 (the fill of 1183 – Appendix 6). The two segments (1240 and 1218) closest to the junction of the eastern and southern ditches showed signs of maintenance in the form of two recuts (1241 and 1201 respectively).

7.3.18 A curvilinear gully, excavated as segments 827, 856, 858 and 860, was identified running towards and terminating c. 2.5m north of the entrance; the gully was c. 14m long, 1.1m – 0.7m wide and 0.28m deep, with a U-shaped profile. The fills (826, 855, 857, and 859 respectively) consisted of greyish silty clay; they contained neither finds nor environmental information. A posthole (776) at the south-eastern side of the entrance itself may also have been part of the management of access to the enclosure. Finally, two shallow circular pits of uncertain purpose and origin (790 and 792) were present in the southwest area of the enclosure.

7.3..19 **Enclosure 8** joined on to Enclosure 7 on the west side (which was the same as the latter's eastern boundary), the south-eastern ditch running for c. 40m before turning (with a series of modifications) to the northeast towards the excavation limit. Any northern boundary to the enclosure lay outside the excavation, but it was possible to establish that its interior measured c. 40m from the northeast to southwest and a similar distance from the southwest to the northeast.

7.3.20 The southwest ditch of Enclosure 8 (from the northwest: Segments 867, 864, 862, 1154 and 1161) had a flat-based V profile between 1.4m and 0.6m wide and 0.6m and 0.18m deep. The fills were generally greyish brown silty clays, but there were two grey 'water-lain' grey clay primary fills (866 [867] and 1153 [1154]). No finds or environmental data were recovered from any of the fills. As the ditch formed the southwest corner of the enclosure there was a sequence of modifications, possibly due to the increased deposition of silt at point where the ditches merged. It appears that the earliest version of the ditch (Segment 1161) terminated at this point, forming a corner-entrance. This entrance was then dispensed with by the cutting of a south-eastward extension to the ditch (1165/1170/1234), which was recut (Segment 1168). Subsequently, the corner was re-modelled (represented by Segments 1227 and 1231), the northwest ditch of the enclosure (Segments 1173, 1176, 1181 and 1190) approaching the corner, then cutting into the earlier ditches and turning south-eastwards to continue the line of the contemporary northeast ditch of Enclosure 9 (Segments 1151, 1157 and 996 and 1215). This latest remodelling had a round-based V profile, up to 1.2m wide and 0.64m deep. The fills consisted of mid grey clay at the top, with 'water-lain' pale grey or blue grey primary fills. The ditch contained a significant number of pottery sherds (Appendix 7), almost entirely 2nd century Reduced wares: four from 1174 (upper fill of 1176), 173 from 1172 (primary fill of 1173 – plus nine from a Central Gaulish Dr. 31 base), ten from 1180 (fill of 1181), seventeen from 1188 (upper fill of 1190), one from 1224 (upper fill of 1227) and three from 1225 (secondary fill of 1227). Conversely, the ditch contained no significant environmental information. 1172 also contained three pieces of abraded tegula (Appendix 9) and 1225 contained

a piece of broadly Romano-British quern that had been deliberately and “severely divided and fragmented before deposition” (Appendix 11).

7.3.21 **Enclosure 9** was situated immediately south of Enclosures 7 and 8 and most of its northern ditch also represented the southern ditches of those two enclosures. The ditch continued to the south for c.17m from the southeast corner of Enclosure 8 before forming a corner and turning southwest out of the excavated area. Enclosure 9 had a width of c. 90m from northwest to southeast and was at least 31m from northeast to southwest.

7.3.22 The western ditch of Enclosure 9 (excavated as Segments 702 and 711) was the southward continuation Enclosure 7’s western ditch. The ditch was c. 1.2m wide with a flat-based V profile and filled with greyish silty clay (703 and 710 respectively), which yielded neither finds nor environmental data. Continuing from the southeast corner of Enclosure 8, the north-eastern ditch was excavated as Segments 1151, 1157, 996 and 1215. It had a flat-V profile up to 2m wide and 0.8m deep; the fills were generally of greyish brown silty clay with varying amounts of stone, although 995 (the primary fill of 996) consisted of blue-grey clay. There were no finds or environmental information from the ditch.

7.3.23 Much of the eastern ditch of Enclosure 9 was truncated by a later linear (from Phase 4) that joined the southeast corner of the enclosure from the east and turned south-westwards to follow the earlier enclosure ditch for c. 6m before terminating (as 967 – see below). The remaining part of enclosure ditch to the southwest beyond the point of truncation was excavated as Segment 969, which was 0.43m wide and 0.18m deep, with a rounded-U profile; the dark brown clay silt fill (966) contained no finds but

it did have a notable group of carbonised plant remains, comprising oat, bread wheat, barley and rye grains, plus a vetch seed (Appendix 6). There was an apparent stakehole (970 [971]) in the base of the ditch.

7.3.24 Four pits (705/713, 709, 846, 869) were recorded in the interior of Enclosure 9, the latter four of which were not seen as relating directly to the enclosure and are described below. The exception was Pit 705/713, a 2m long and 1m wide sub-rectangular feature that cut into the western ditch and possibly to partition off the northwest corner of the enclosure. The greyish brown silty clay fill (704/712) contained no finds or environmental information.

7.3.25 An *Undated Linear Ditch* was recorded to the east of Enclosure 9, running on an approximate north-south alignment for c. 57m; its northern limit was not established due to recent disturbance, but the southern end (Segment 1262) was truncated by the northernmost Phase 4 ditch (Segment 1259). The seven excavated segments (from north to south 1083, 1081, 1090, 1064, 1075, 1254 and 1262) showed the ditch to be c. 0.8-1m wide and 0.2-0.4m deep with a rounded-V profile. The fills consisted of silty clays of varying hue, which had no finds; the recovered environmental data consisted of a single piece of oak charcoal from 1082 (the fill of 1083 - Appendix 6). Also in this area, another undated ditch terminated at its southern end as Segment 1148 and was cut away by a Phase 4 ditch to the north; this was a substantial feature, 2.4m wide and 1.2m deep. The three upper fills (1143-45) consisted of brownish clays or silty clays, with a blue grey clay secondary fill (1146), with a layer of grey silty clay (1147) and a small dump of burnt material (1149) at the base. A piece of alder charcoal was recovered from 1146 and oak charcoal fragments from 1149 (Appendix 6).

7.4 Phase 4 – Medieval Linear Features at the Southeast of the Site

7.4.1 The features in Phase 4 comprised a large number of inter-cutting enclosure and other linear ditches, the exact sequence and date of which is hampered by a general scarcity of dating evidence (three sherds only) and therefore relies on stratigraphic evidence. The sequence presented here is in broad terms and might be modified by further analysis in the future.

7.4.2 **Phase 4a** - The earliest part of the sequence in Phase 4 was represented by two ditches, the first of which truncated the southeast corner of Enclosure 9 (mentioned in 7.2.23 above). As we have seen, this ditch terminated (as Segment 967) in the eastern boundary of Enclosure 9 and moving clockwise from that point it was excavated in a further six segments: 955, 1211, 1194, 1179, 1006 and 1032, before being truncated and re-cut to the remainder of its south-eastward course by a later phase ditch (see below). The ditch had a rounded- or flat-based V profile and was up to 2.9m wide and 0.94m deep. The fills generally consisted of greyish silty clays with varying quantities of stone. The only find was a gritty medieval sherd from 960 (the upper fill of Terminal Segment 967 – Appendix 7); environmental information was limited to a piece of oak charcoal from 1210 (primary fill of 1211) and single oat and indeterminate grains from 1005 (primary fill of 1006).

7.4.3 The other ditch ran to the southeast side of the above ditch, sharing the same northwest to southeast alignment, before making a right-angled turn at its southern end and returning to the southwest. Fourteen segments were excavated into this ditch, from northwest to southeast: 988, 1046, 1037, 1064, 1117, 1052, 1129, 1095, 981, 1268, 1097, 934, 915 and 911. This

ditch also had a rounded-V profile, and was up to 1.9m wide and 0.84m deep, but became progressively smaller in scale, and with a single fill only, to the east, beyond the point where it was truncated by a later ditch (Segment 1024). The fills consisted of greyish brown or brownish silty clays, distinguished by differing concentrations of stone. There were no finds or environmental information from this ditch.

7.4.4 *Phase 4b* - Subsequently, two L-shaped ditches were superimposed onto the two earlier parallel ditches, turning at right angles to head south-eastwards.

7.4.5 The largest of the L-shaped ditches ran on a southwest to northeast alignment for c. 30m before turning to the southeast and effectively replacing the northernmost of the earlier ditches of this phase (corner segment 1024 truncating earlier ditch segment 1026). A total of ten segments were excavated: 877, 884, 892, 1024, 1259, 1256, 1264, 1266, 1272 and 1112, which generally had flat-based V-shaped profiles, up to 2.3m wide and 0.68m deep. The greyish silty clay fills contained only two finds: a medieval sherd from 1255 (fill of 1256 - Appendix 0) and a fragment of ceramic roof tile of post medieval character from 1257 (the upper fill of 1259- Appendix 9). No environmental information was recovered from the ditch.

7.4.6 The other L-shaped ditch changed alignment from southwest-northeast to northwest-southeast at the point where it truncated the southernmost of the earlier parallel ditches (Segment 1046 truncating earlier ditch segment 1129). This ditch then followed the line of its cohort on a course c. 1m from the latter's southern edge. Eleven segments were excavated (from

clockwise: 927, 1071, 925, 1126, 1142, 1092, 1017, 1270, 1268, 1120 and 1110), illustrating a rounded-V profile up to 1.38m wide and 0.51m deep. The fills consisted of greyish and greyish-brown clays and silty clays and contained little of note except five oak charcoal fragments from 1014 (tertiary fill of 1017) and a fragment of alder charcoal from 926 (fill of segment 927 – Appendix 6). A narrow and shallow gully (Segments 877, 884, 892, 1024 and 1262) was recorded on the south-eastern and southwestern sides of the ditch as far as Segment 1259 and perhaps represented a slot for a hedge.

7.5 Phase 5 –Post-medieval

7.5.1 In Phase 5 a series of four ditches and linear features on a parallel southwest to northeast alignment were added to the Phase 4 ditches described above. A bath house was also constructed in this period, straddling the southernmost parallel Phase 4 ditch; a scatter of post-medieval features was also recorded in the remainder of the site to the northwest.

7.5.2 The four linear features consisted of three ditches and a furrow. The three ditches (888-895-1055; 893-908-913; and 907-897-921) respected the southernmost L-shaped Phase 4 ditch at their northern ends. With a V-shaped profile up to 1.5m wide and 0.52m deep, Ditch 888-895-1055 was different in form to the other two ditches, which were situated c. 32m to the southeast with broad-U profiles up to 0.97m wide and 0.2m deep. None of the greyish clay silt ditch fills contained any finds, with environmental data consisting of three hazelnut shell fragments from 920 (the fill of 921). The line of ditch 907-897-921 was apparently continued to the northeast in the form of two postholes (1104 and 1106), the fill of 1104 containing an iron axe

head (Appendix 10). The furrow (901-903-905) was categorised as such by its relatively broad and shallow profile and, unlike the three ditches, cut across the top of the earlier L-shaped ditch.

7.5.3 The stratigraphically latest (and potentially quite recent) features in this area were two relatively narrow and shallow gullies: 1009-979-957-985-959-946 (aligned southwest to northeast), and 923-944-983 (aligned west to east). The latter gully terminated at its eastern end (Segment 983) respecting the southwest to northeast gully.

7.5.4 The remains of Sir Michael Pilkington's late 18th or early 19th century bath house were identified in the south-eastern part of the site and were superimposed over the southernmost of the two Phase 4 parallel ditches. The remains of the bath house (1246) consisted of a square brick-built structure c. 5.3m across. Between six and two courses of brick walling survived, resting on a single course of roughly worked stone dug into the natural clay; there was also a large, worked sandstone block at the southeast corner. The west and south walls were 0.42m wide, with the east and north walls wider at 0.65m. The bricks were handmade, measuring c. 0.28m x 0.13m x 0.07m, and were bonded with lime mortar. The centre of the structure formed a lower 'basement', with stone-built walls, representing the area of the former 'bath', but later infilled and levelled off with concrete, to create a level basement floor. The bath was fed by an oval well (1243) that abutted the east wall, the well consisting of a construction cut (1245), the brick lining of the well (1243), and a deposit of red clay (1244) packed into the space between the construction cut and the somewhat randomly coursed brick lining. The pool emptied northwards through an outflow channel (1251) and there was a lead pipe positioned to

the east of the channel. The bath was walled with randomly coursed, but tightly laid, squared sandstone blocks, and holes drilled into the second highest course appear to have held fixings for a handrail. A short stretch of brick wall, capped with stone slabs, abutted the eastern wall of the bath house; this was less skilfully made than the bath house wall proper and only partly bonded. The entire structure was backfilled with a mixture of rubble and soil following the demolition of the bath house keeper's cottage.

7.5.5 As stated previously, three post-medieval pits were recorded within the interior of Enclosure 9. The most notable of these was Pit 709, a shallow circular cut that contained an iron container (707) of post-medieval date (Appendix 9), along with a piece of sawn cow rib (Appendix 8). Pit 869 was a vertically sided circular 'shaft' dug into the bedrock; not fully excavated, the feature was possibly a well. Pit 846 was oval and the character of its upper fill (844 – very dark silt with abundant oak charcoal – Appendix 6) pointed to a relatively recent origin. Also, in Enclosure 9, a shallow furrow cut through the northern ditch at the eastern side of the entrance.

7.6 Undated Features

7.6.1 A curving gully and a scatter of postholes and pits was present in the extreme north-western part of the excavated area, west of the Phase 1 boundary ditch, forming a slightly sinuous half circle c. 18m in diameter. The six excavated segments (240, 243, 465, 467, 622 and 624) were between 1m and 0.5m wide and 0.28m and 0.04m deep and were filled with greyish brown sandy silt. There were no finds. A row of three possible sub-circular postholes (061, 063 and 065) was located close to the inside edge of the gully, and two further possible postholes (469 and 471) cut into the gully, slightly to the east of the row. Another possible posthole (269)

lay c. 15m to the north and was 0.4m in diameter and 0.16m deep; the brown silty clay fill (268) contained four fragments of hazel charcoal (Appendix 0). Lastly, an irregular-shaped pit (245) situated west of 'gully' terminal 243), filled with compact pale grey clay, was probably a natural feature such as a tree-throw.

7.6.2 Four further features were identified west of the Phase 1 boundary and south of the curving gully. Posthole 429 was c. 0.5m across, 0.12m deep, and was filled with greyish brown silty sand (428). Moving 30m southwards, two adjacent pits were recorded. The largest of these (626) formed an oval 1.08m long, 0.72m wide and 0.22m deep; the other pit (628) was 0.88m long, 0.55m wide and 0.22m deep. The fills of these two pits were similar deposits of dark reddish-brown silty clay (625 and 627 respectively); they contained neither finds nor environmental data and their character makes a natural origin likely. Lastly, Posthole 119 was located close to the southeast side of boundary ditch segment 117 in the south-western corner of the excavated area.

7.6.3 Another concentration of pits and postholes, plus a gully, was recorded in the southwestern part of the excavated area and will not be described in detail here due to the question mark hanging over their origin and date. Two groups of postholes seemingly formed parallel rows, each of four postholes on a southwest to northeast alignment (040, 042, 044 and 046; 226, 132, 161 and 159), but these were the only possible pattern that was discernible in the distribution of features in this area. A further nineteen postholes (050, 052, 121, 151, 155, 157, 174, 176, 179, 181, 191, 193, 195, 229, 263, 265, 267, 297 and 365) were likely to have been anthropogenic, although not necessarily strictly archaeological in terms of date. Three

posthole-like and posthole-sized features (163, 218 and 267) were probably natural features due to the nature of their fills and/or irregularities in form, as was 'Pit' 224. 'Fire Pit' 026 was a regular rounded-rectangular cut, which was 2m long, 1.25m wide and 0.35m deep; the basal fill of the pit (025) consisted of scorched yellowish red clay, representing *in situ* burning (and containing fifty pieces of oak charcoal – Appendix 6), with the upper fill consisting of yellowish brown silty clay (023 – containing ten oak charcoal fragments – Appendix 6). Two of the remaining pits (207 and 261) were probably relatively modern in date because of the nature of their fills (207 also because it shared the same alignment and location of a patently modern machine-cut pit containing a horse burial). The two other pits (293 and 302) were possibly archaeological and contained a fragment of alder charcoal (292 [293]) and a single emmer grain (301 [302] – Appendix 6). Finally, 'Gully' 308/310 was likely to have been the result of modern agriculture.

8. Discussion

8.1 Six main periods of activity were identified at City Fields, ranging in date from potentially Late Iron Age to Post medieval, and including undated features. The earliest activity took the form of an 'axial' north-south boundary ditch, which was largely silted up by the time of Phase 2, when a D-shaped enclosure was appended to its eastern side. The D-shaped enclosure appears to have been domestic, with a sub-division containing a post-built rectangular structure, interior features containing a mid-2nd century mortarium rim sherd along with more generic Roman pottery and domestic items such a spindle whorl and a clay loom weight. The domestic nature of the D-shaped enclosure contrasts with the square enclosure

excavated by ASWYAS on the Bellway site to the north, which was interpreted as having associated with animal husbandry.

8.2 The rectangular enclosures of Phase 3 appear to have been the fields associated with the D-shaped enclosure, for it is likely they were laid out at the same time as the D-shaped enclosure, and that maintenance and cleaning-out of the enclosure ditches account for why the ditch of Enclosure 2 cut into the D-shaped enclosure, rather than representing the advent of an entirely new system of land management. That the rectangular enclosures were given over to arable agriculture is suggested by the generally thin scatter of features within them, apart from the group of postholes in the southeast corner of Enclosure 4 (which may not be contemporary with it) and the corn-drier in Enclosure 6. The archaeomagnetic date for the corn-drier suggests that its last firing occurred in the period from the mid-5th century BC to 60 AD, almost at the start of the Roman period, this early date according with its simple rectangular plan as opposed to a more sophisticated T-shaped construction. As suggested above, the associated Roman pottery may well have found its way into the corn drier after it was abandoned, rather than being contemporary with its use. The dump of sandstone blocks, perhaps the result of the partial demolition or collapse of the structure. The corn drier contained oat, bread wheat and rye grains, which may be an indication of the crops processed within it. Further to the east, the re-modelling of the eastern ditch of Enclosure 8 contained a notable group of mainly 2nd century pottery along with a deliberately-altered quern fragment, whose presence could hint that this was not simple rubbish dumping, but the result of a less pragmatic process.

- 8.3 The Roman pottery from the site implies that the main period of activity peaked in the 2nd century, with some late 3rd century deposition, but no real evidence of a continuation between the two periods. The ceramics also point to a rural site of relatively high status, with its main supply of pottery coming from South Yorkshire, which is typical for West Yorkshire sites of the period. The enclosures and rectilinear fields recorded during the various phases of excavation at City Fields are part of a broader landscape that includes enclosures and boundaries of similar date situated c. 4km south of the site at Grange Farm, Durkar, on the south bank of the River Calder (MAP 2001) as well as further afield to the east on the Magnesian limestone belt (Roberts *et al.* 2010, 55-67).
- 8.4 The south-eastern corner of Enclosure 9 was apparently an enduring feature in the landscape, as a medieval ditch, approaching from the southeast, was appended to it. Two L-shaped ditches later modified the area defined by the earlier medieval ditch. The extent to which the linear features in the southeast part of the site were related to any 'precinct' connected with St. Swithin's chapel is unclear. The subsequent parallel post-medieval gullies that respected the L-shaped ditches were probably boundaries of cultivated plots – their uneven distribution suggests that they were not furrows. The cultivation plots might be associated with the bath-house keeper's dwelling or other nearby settlement, the bath-house and its keeper's dwelling having been constructed over the medieval ditch system
- 8.5 The concentrations of undated features present across the excavated area apparently represent more than one periods of activity, and there is the potential for some, particularly 'fire-pit' 026, to be of prehistoric date.

9. Recommendations

- 9.1 The specific recommendations for finds categories are set out in the appropriate appendices. As a general requirement, all the finds should be retained along with the rest of the archive.
- 9.2 The pottery assemblage forms a relatively large group associated with a high-status rural site of the 2nd – 3rd centuries and full analysis is recommended to increase knowledge of the nature of supply to the site and, more generally, the development of rural sites in the region. The medieval material is thought to be unusual and warrants further analysis by a specialist. No further work was recommended for the CBM.
- 9.3 The environmental material has been fully catalogued and described, and so requires no further work. Groups suitable for radiocarbon dating were highlighted by Dr Diane Alldritt, and four of these are put forward here for consideration: Pit [269], fill (268) – undated feature in the northwest of the excavated area; Pit [293] fill (292) – undated feature in the northwest part of the excavated area; Posthole [346], fill (345) – undated feature in the southeast area of Enclosure 4; and 833 – deposit at base of corn-drier (which has the potential to narrow down the period of use of this structure).
- 9.4 No further analysis is recommended for the animal bone assemblage given the small amount of material involved and the limited number of contexts in which it was found.
- 9.5 The clay loom weight and stone spindle whorl would benefit from further analysis by suitable specialists.

- 9.6 The general level of the site sequence and development is provided in the present report but any additional information from the radiocarbon dating and further artefactual study should be used where necessary to amend and refine the sequence and narrative of the site in the final report. The planned work has been largely completed and is included in the present document. The final report should set the site in its regional setting, fully referring to previous excavations within the overall City Fields development by Wessex Archaeology, ASWAYAS and On-Site Archaeology (and ideally any future excavation that may be carried out in remaining areas at City Fields). The report should take due note of Chadwick's research agenda relating to Romano-British rural settlement (Chadwick 2009).
- 9.7 This regionally important site merits publication in a regional journal such as the *Yorkshire Archaeological Journal*.

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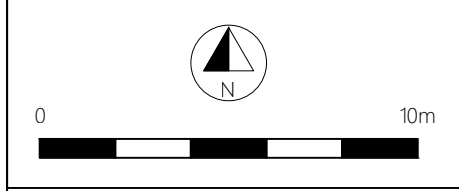
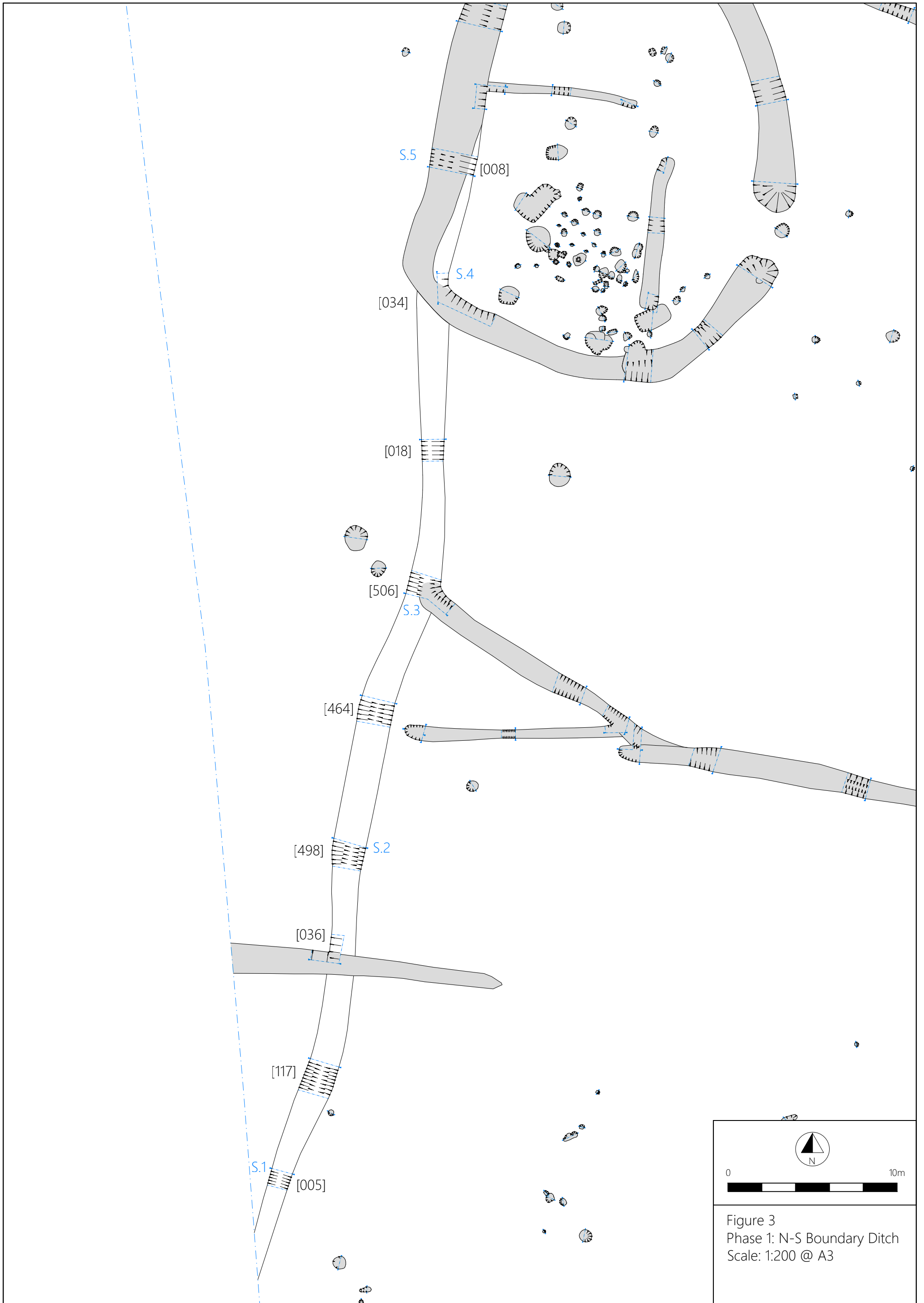
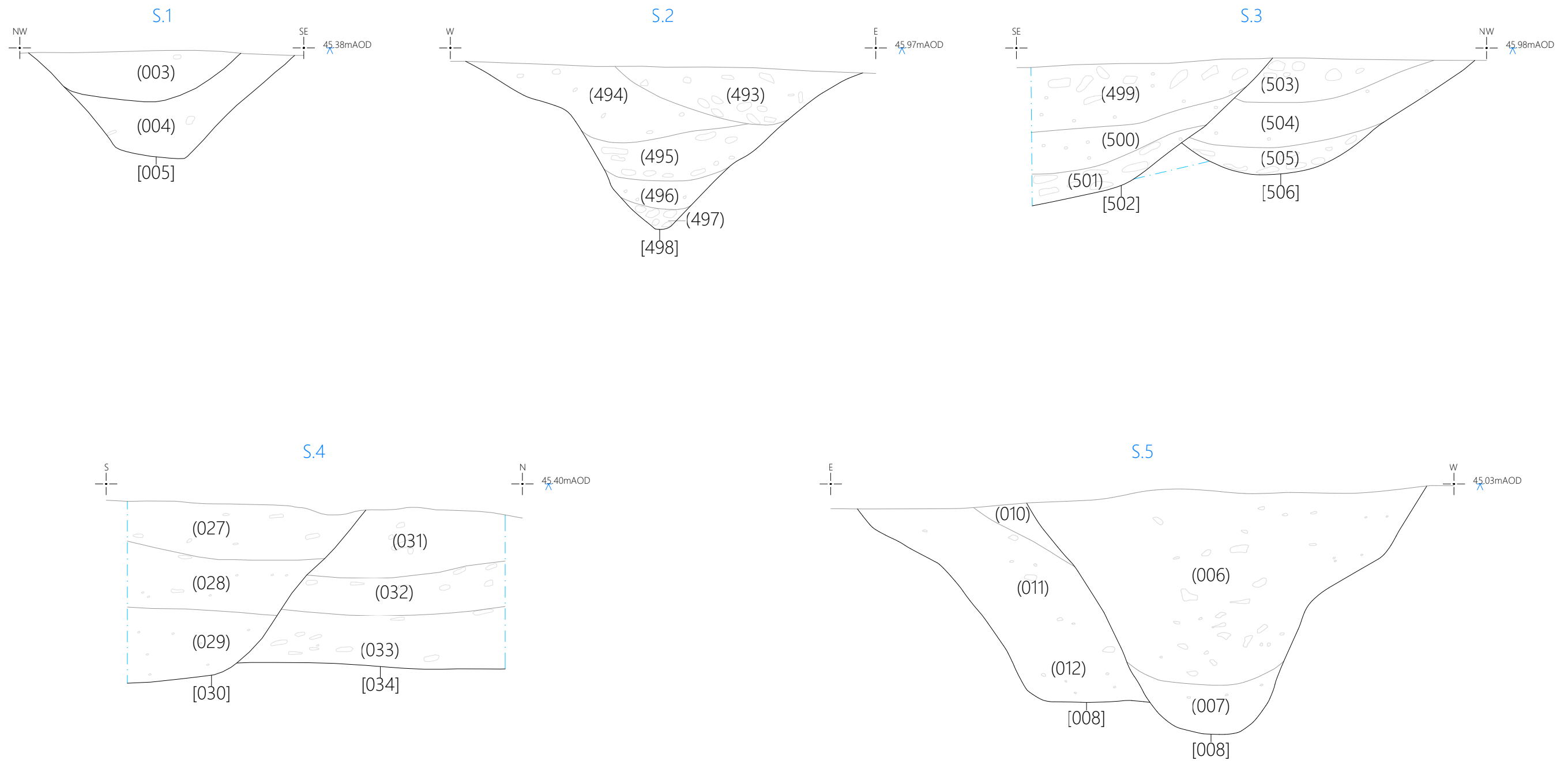


Figure 3
Phase 1: N-S Boundary Ditch
Scale: 1:200 @ A3



0 1m
Figure 4
Phase 1: N-S Boundary Ditch
Sections 1-5
Scale: 1:20 @ A3

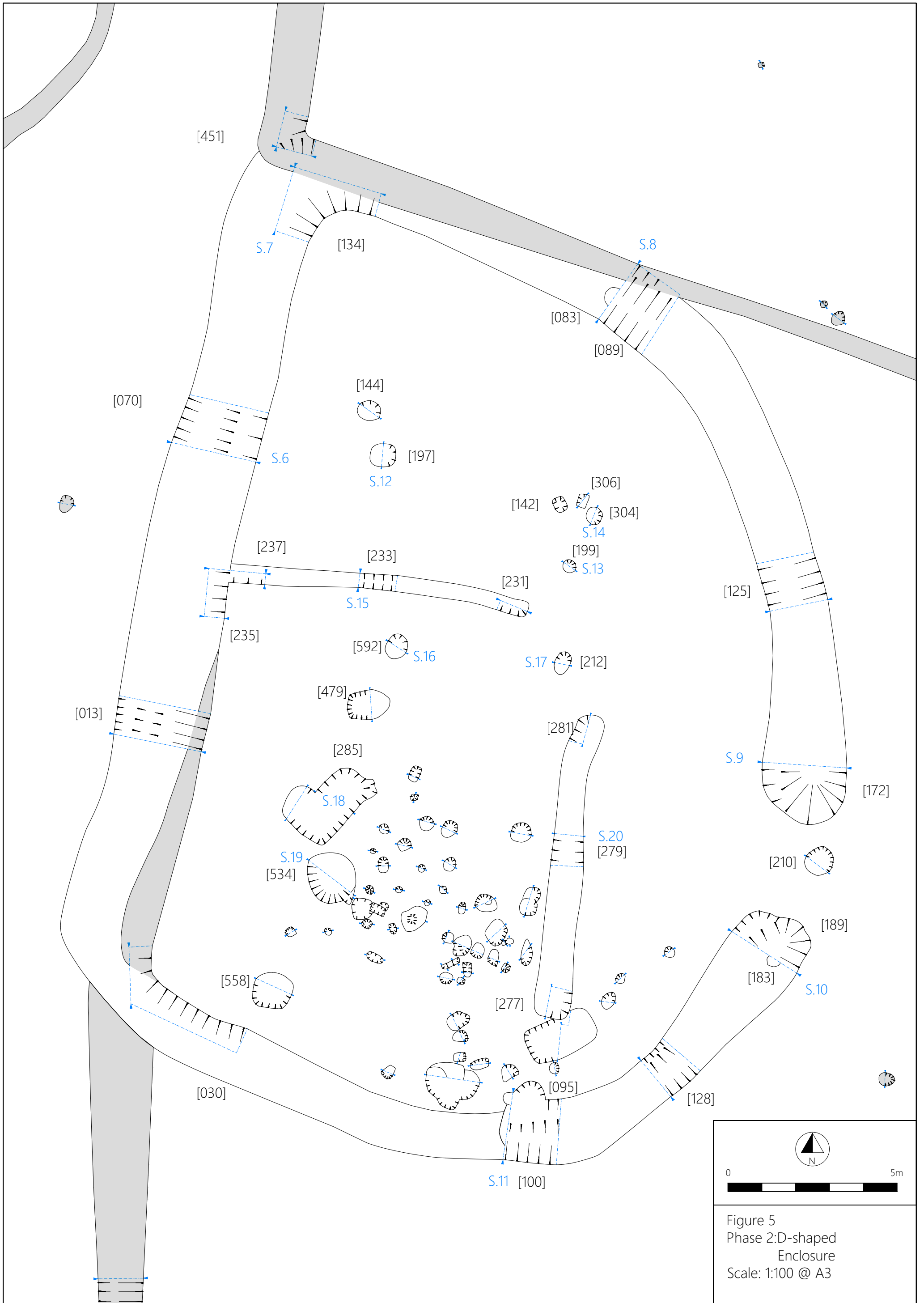
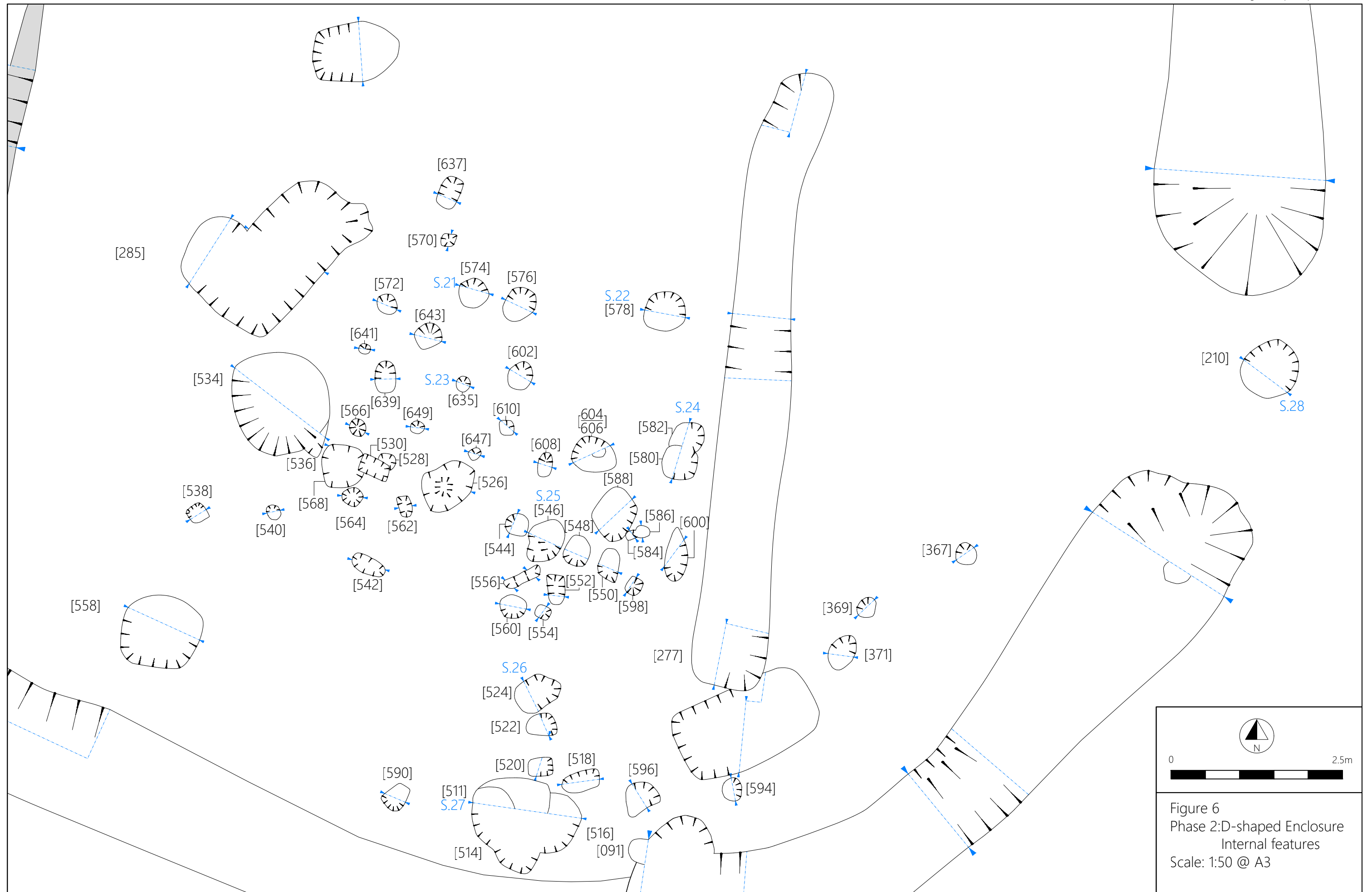


Figure 5
Phase 2:D-shaped
Enclosure
Scale: 1:100 @ A3



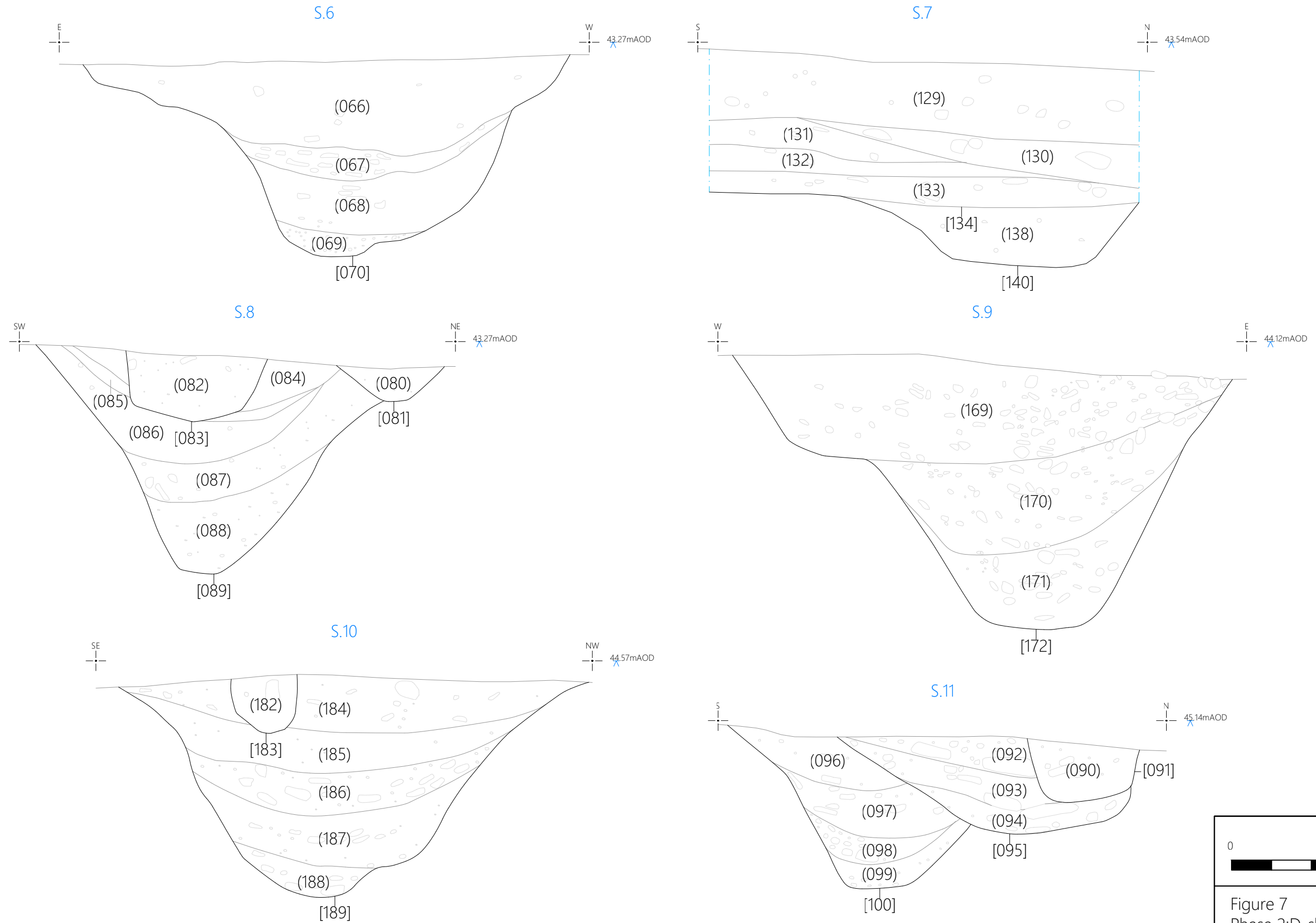


Figure 7
Phase 2:D-shaped Enclosure
Sections 6-11
Scale: 1:20 @ A3

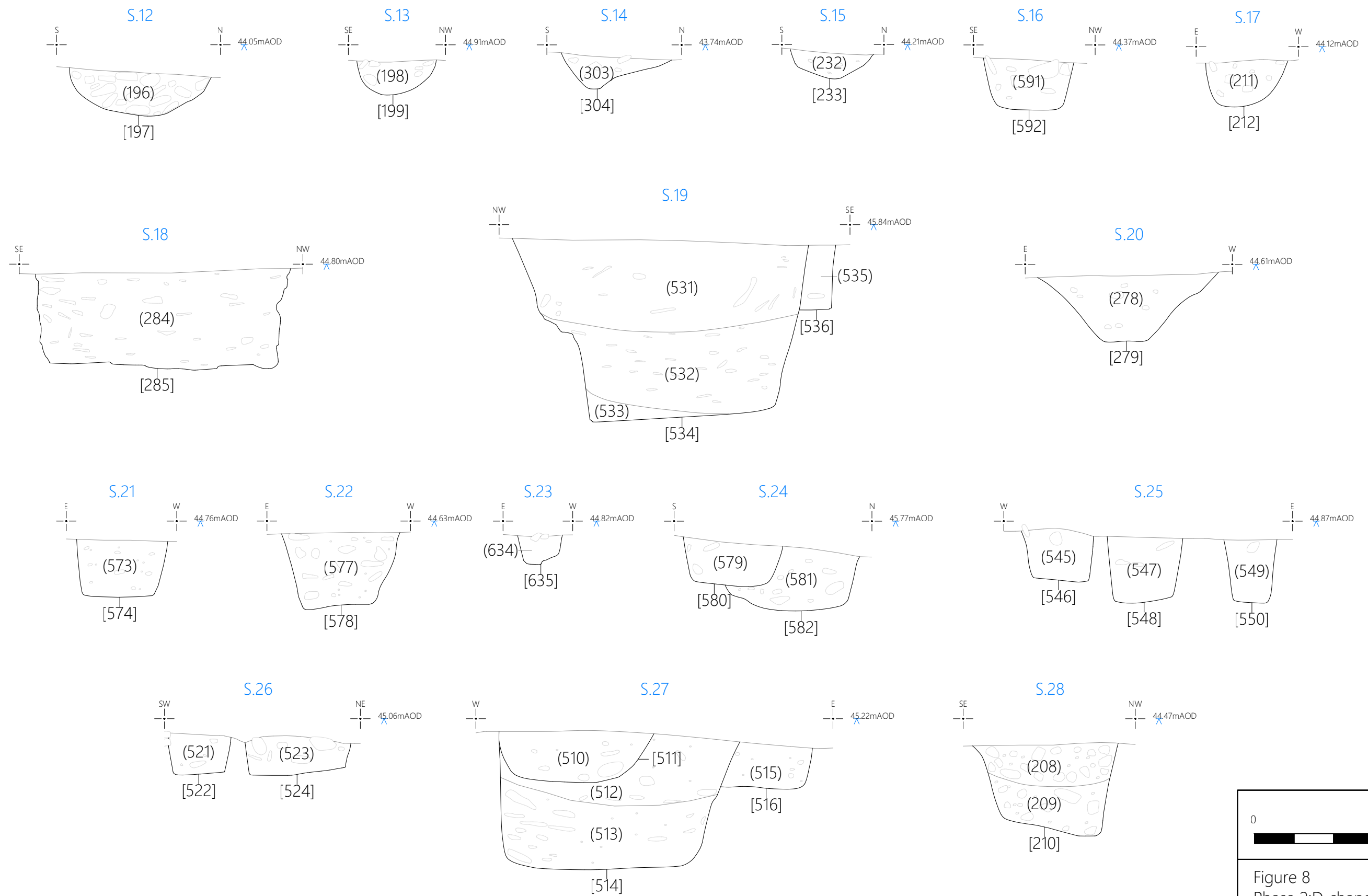


Figure 8
Phase 2:D-shaped Enclosure
Sections 12-28
Scale: 1:100 @ A3

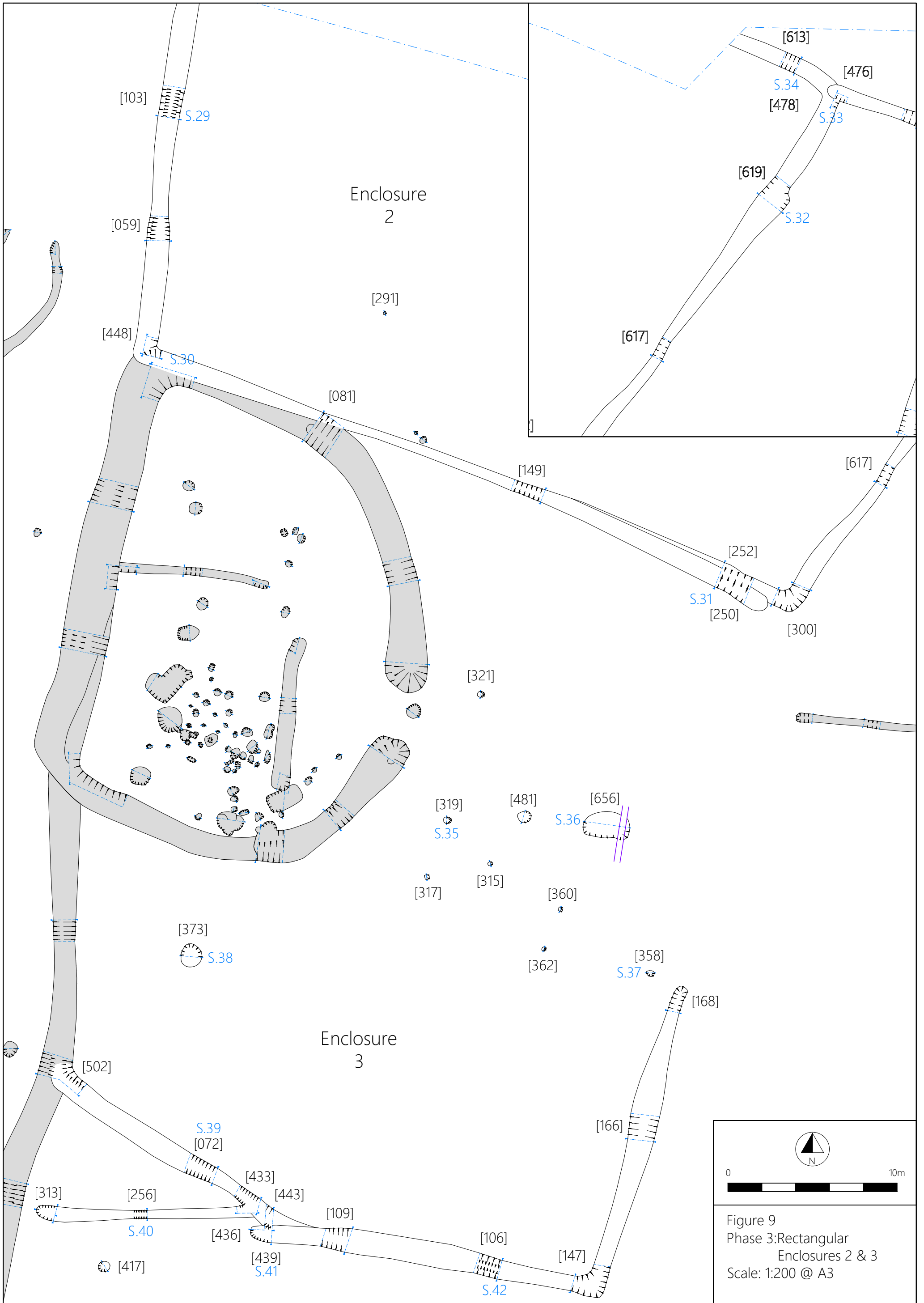


Figure 9
Phase 3: Rectangular
Enclosures 2 & 3
Scale: 1:200 @ A3

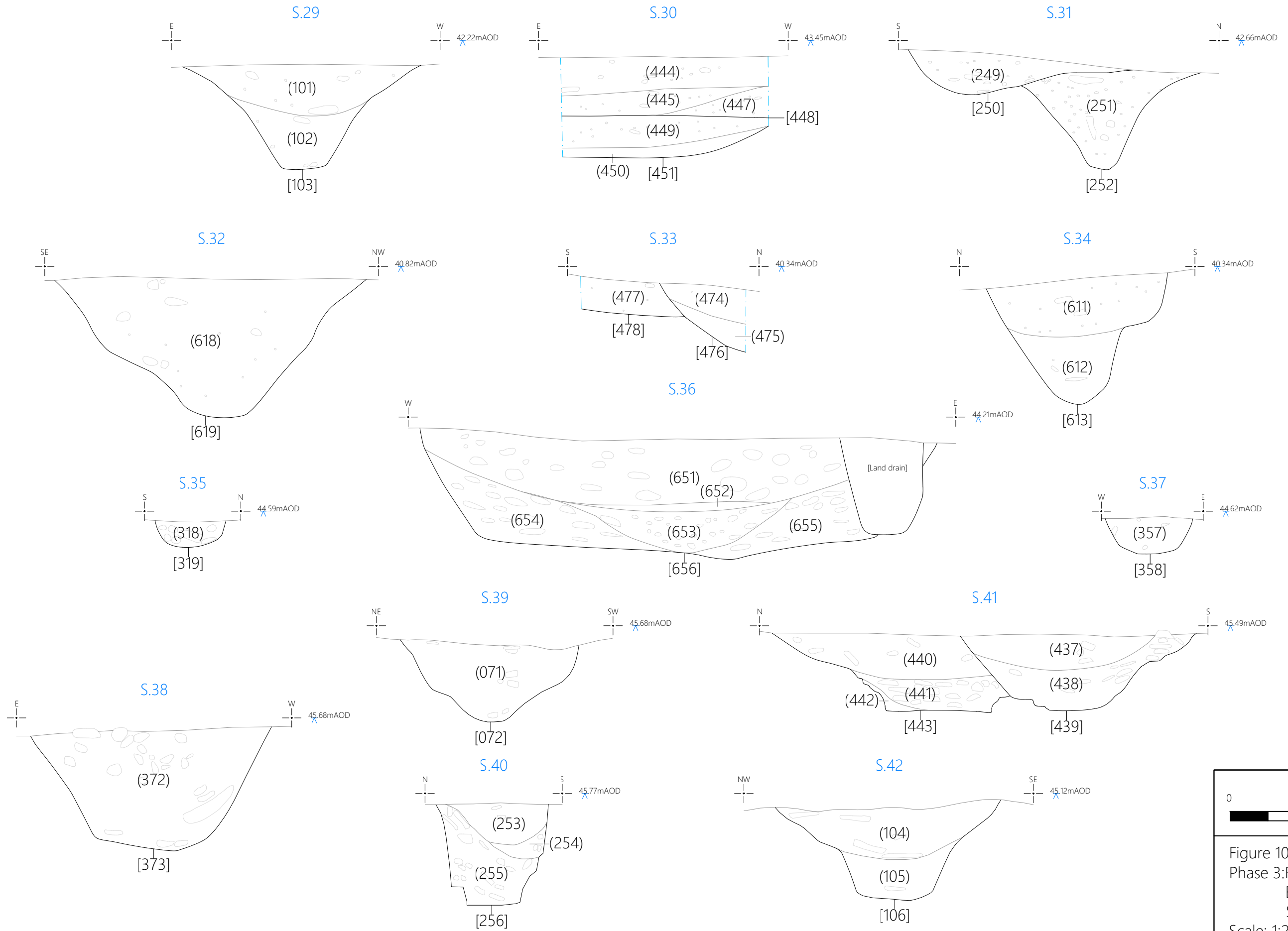
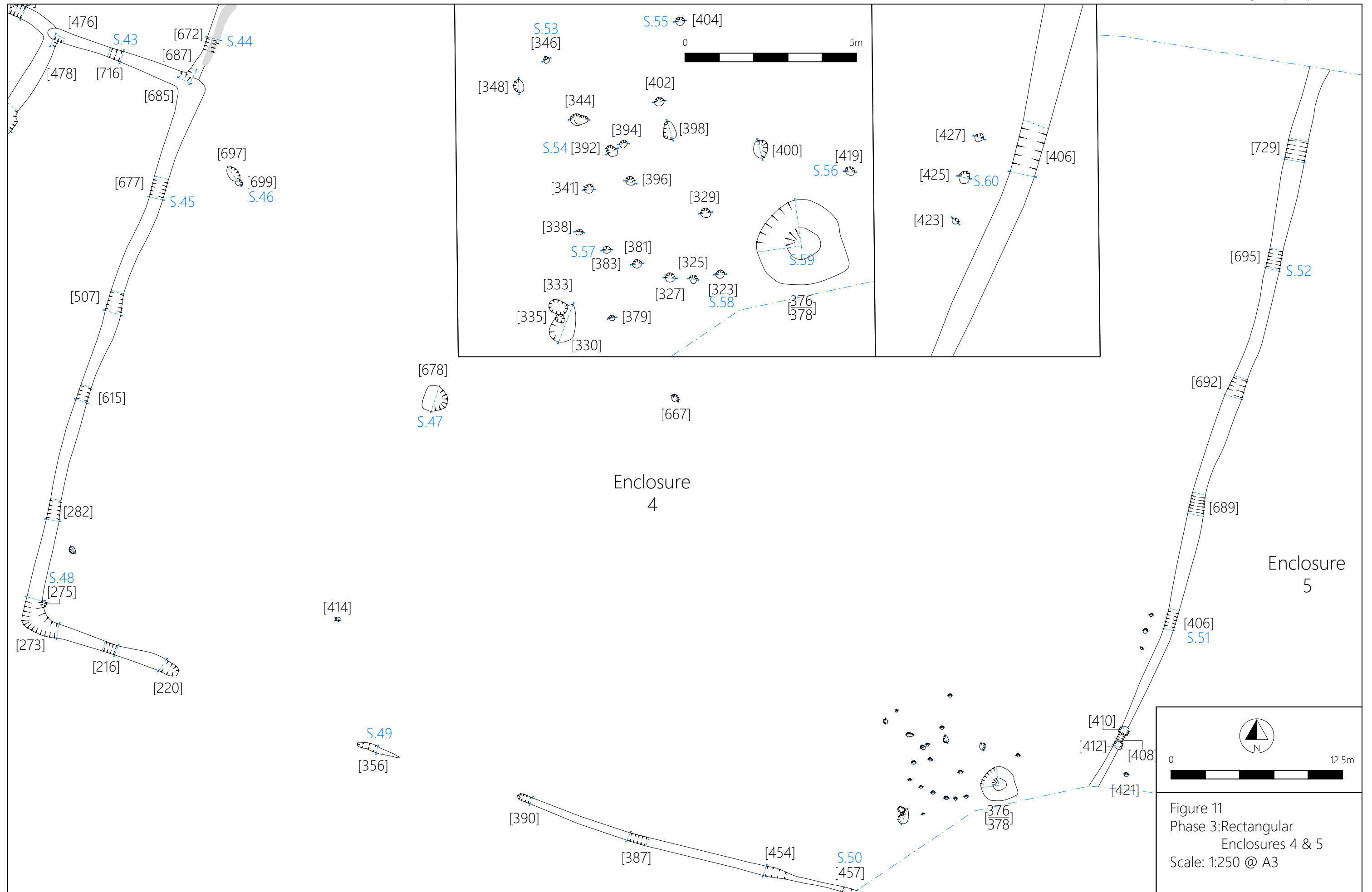
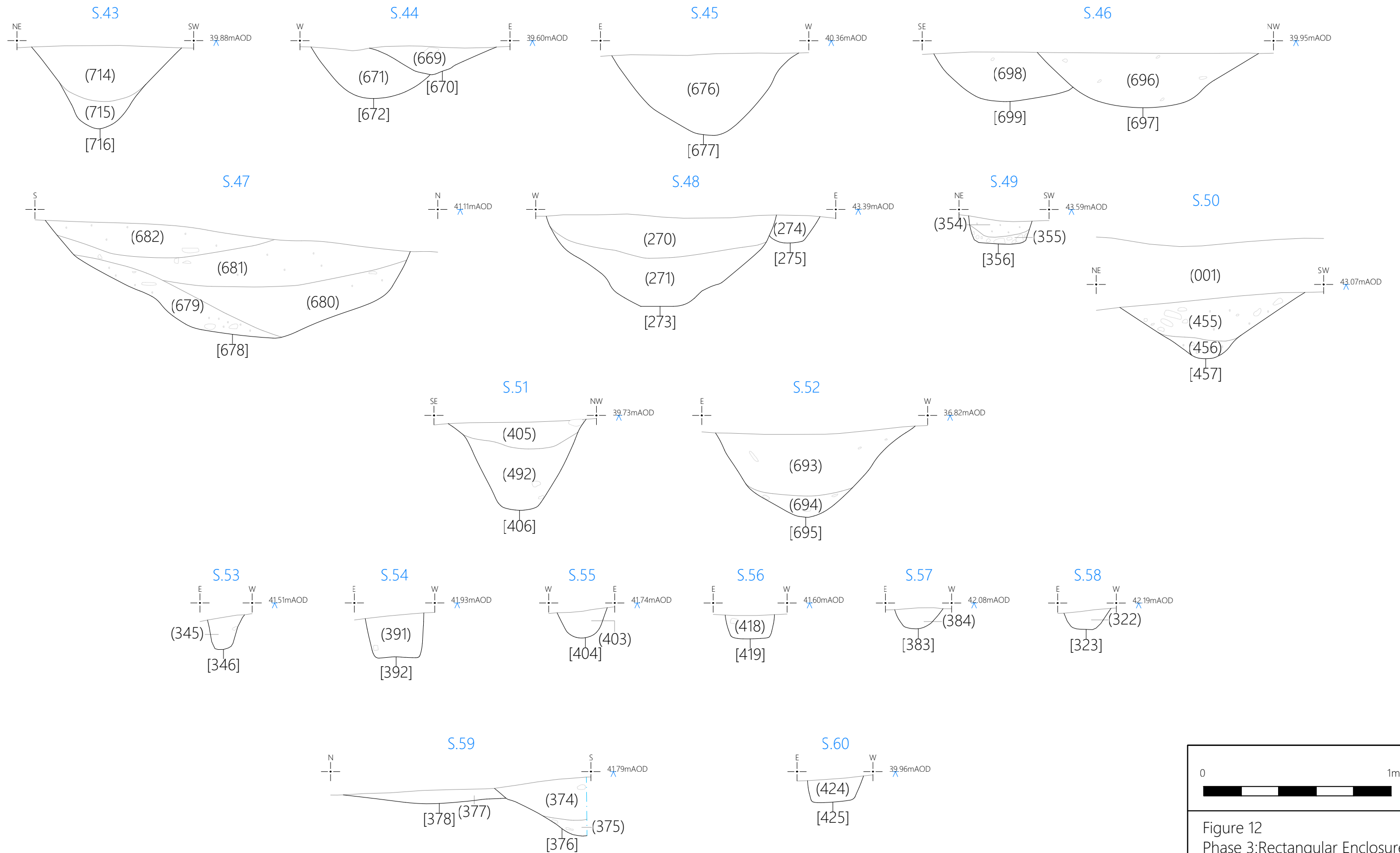


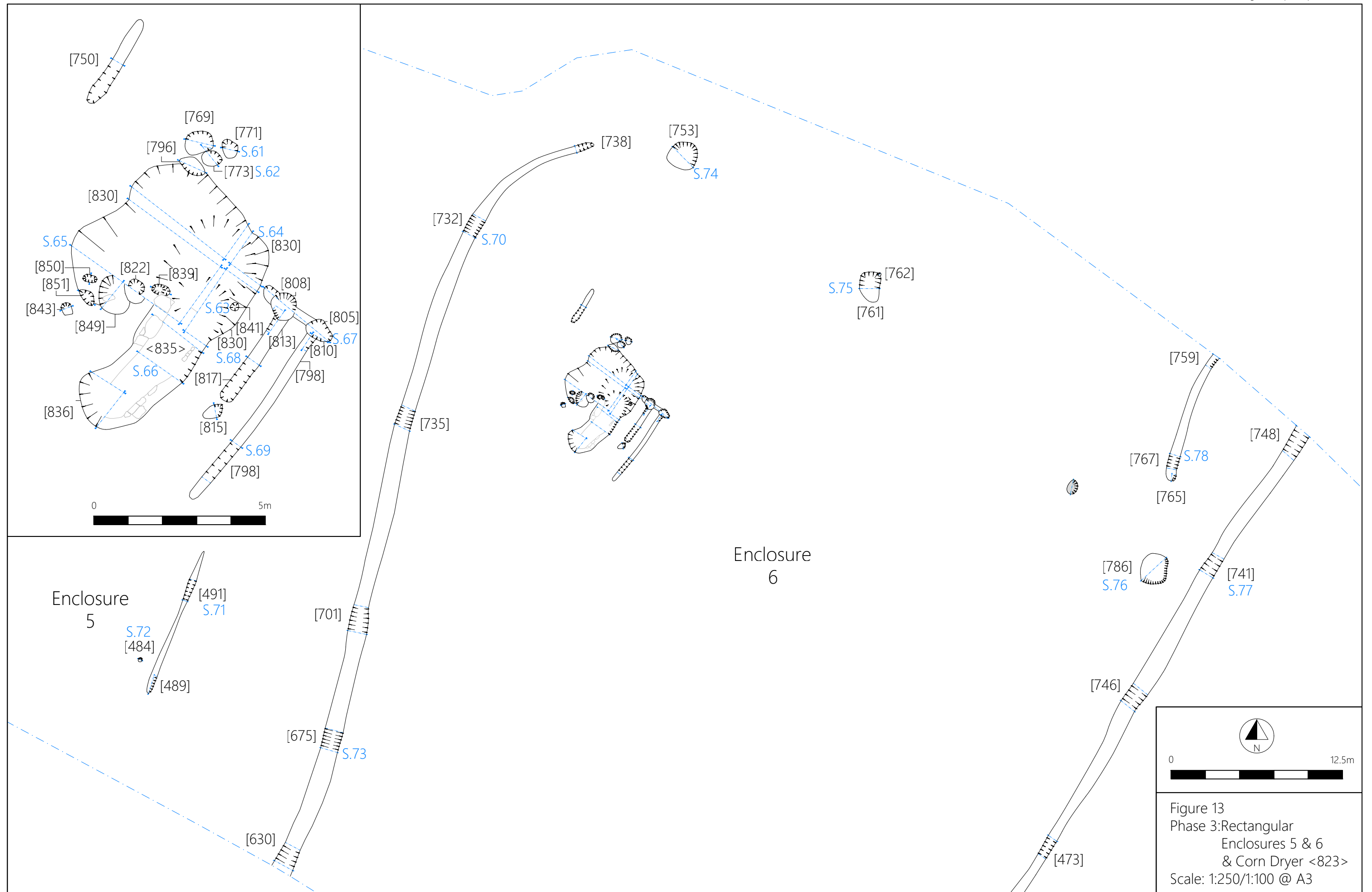
Figure 10
Phase 3: Rectangular
Enclosures 2 & 3
Sections 29-42
Scale: 1:20 @ A3

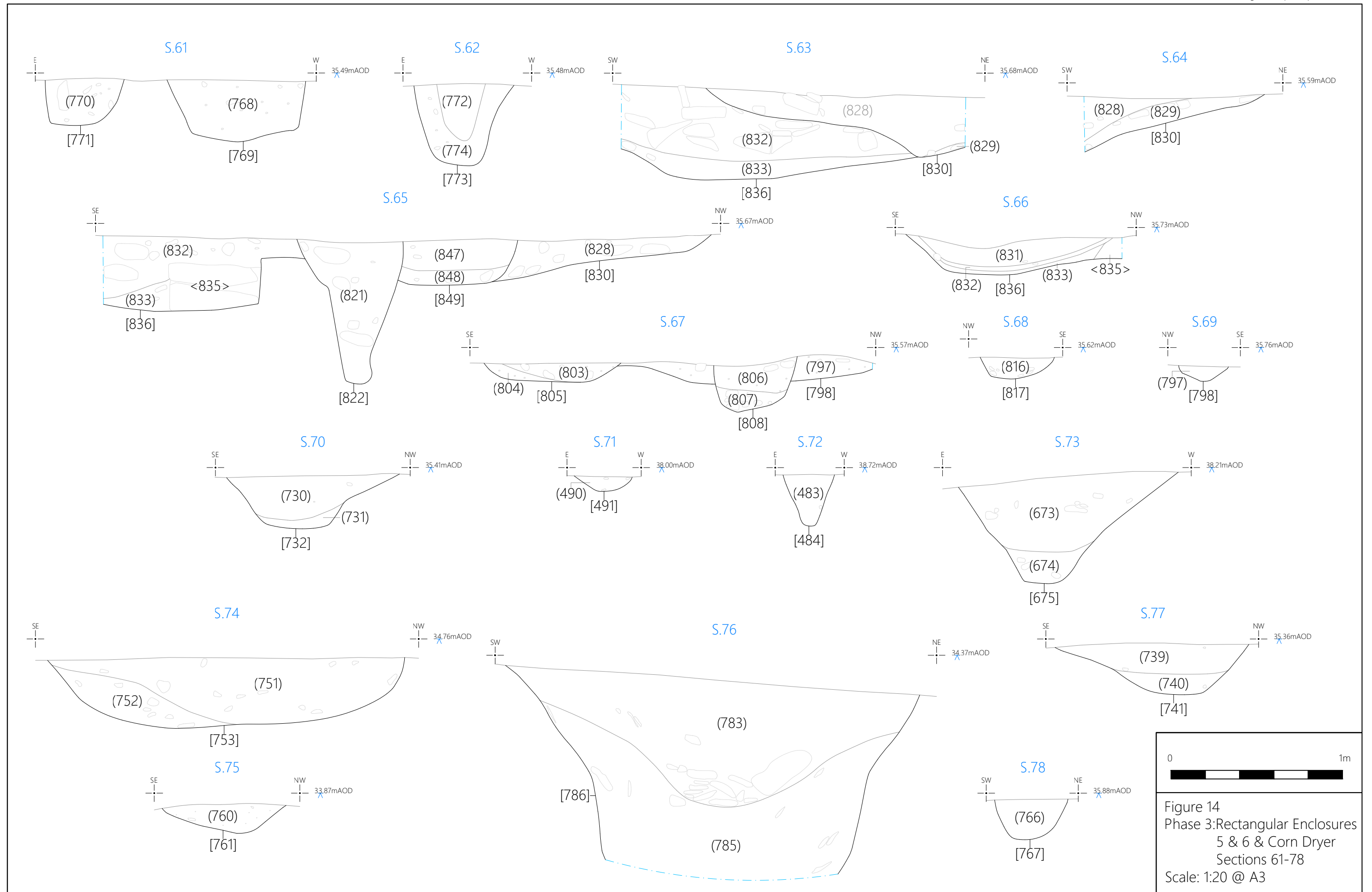




0 1m

Figure 12
Phase 3: Rectangular Enclosures
4 & 5
Sections 43-60
Scale: 1:20 @ A3





0 1m
Figure 14
Phase 3: Rectangular Enclosures
5 & 6 & Corn Dryer
Sections 61-78
Scale: 1:20 @ A3

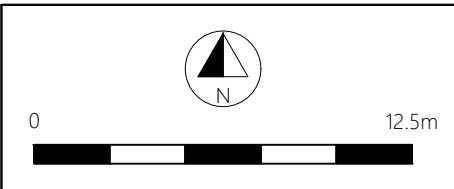
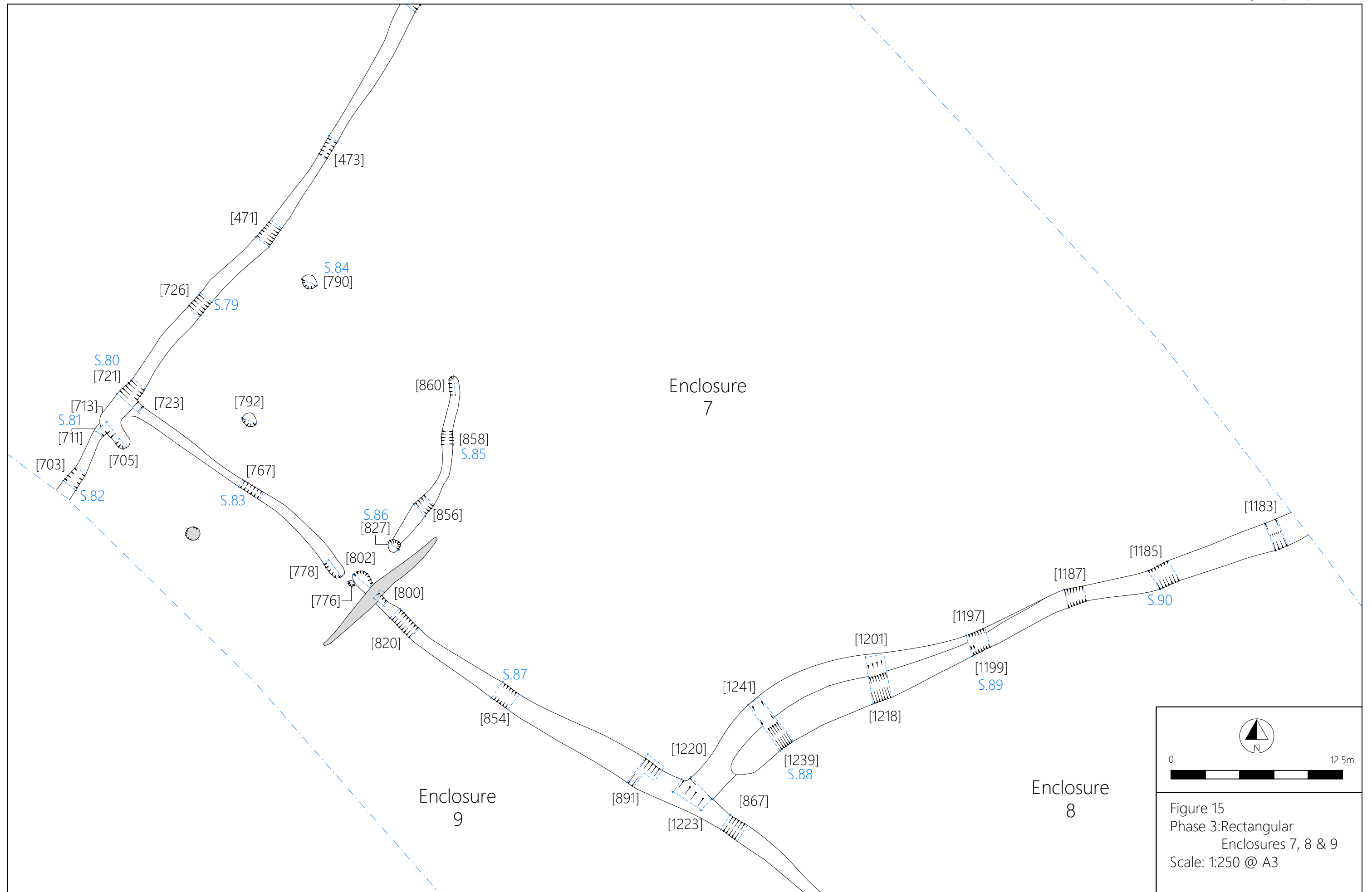
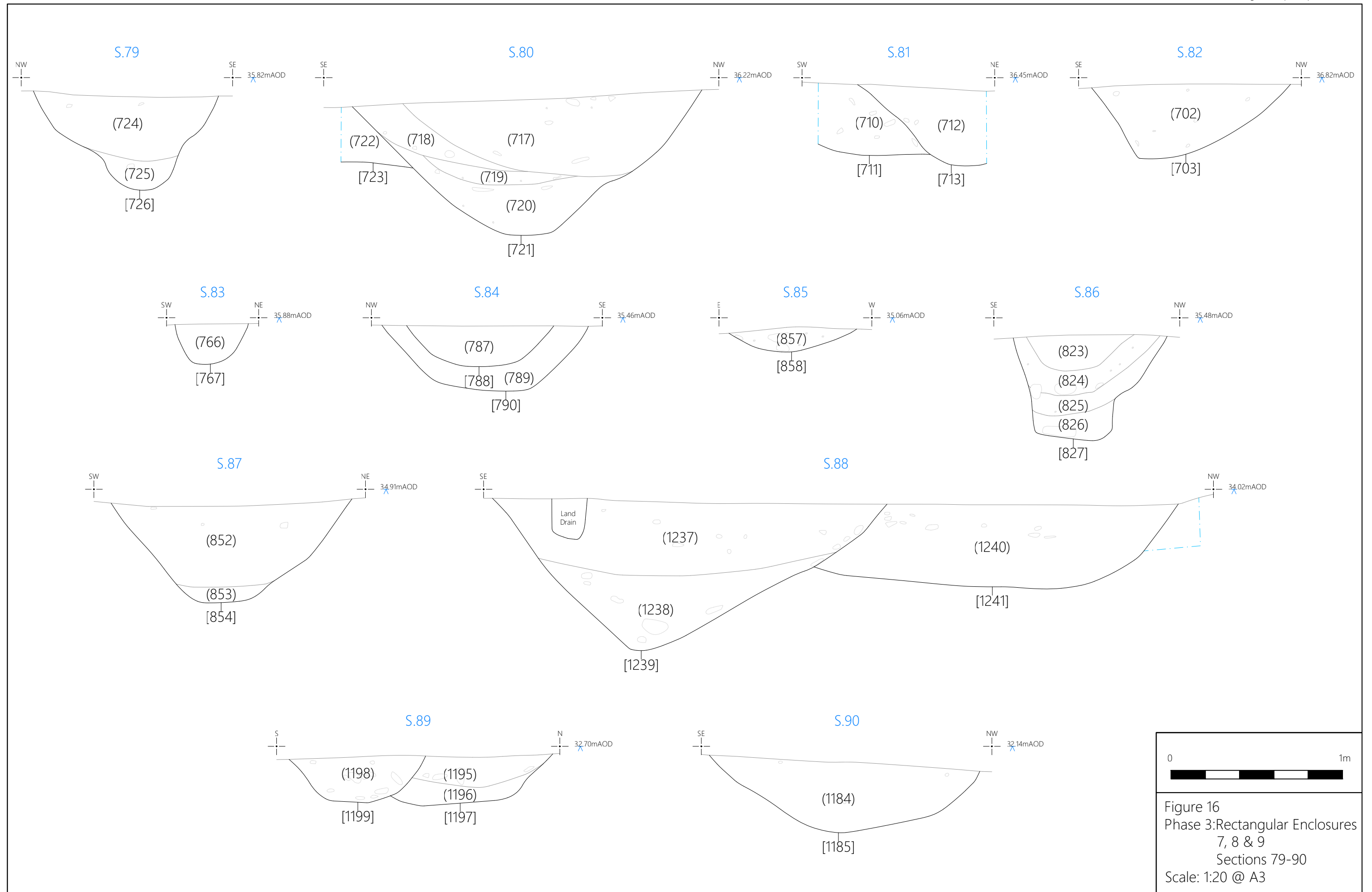


Figure 15
Phase 3:Rectangular
Enclosures 7, 8 & 9
Scale: 1:250 @ A3



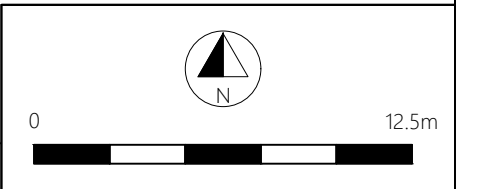
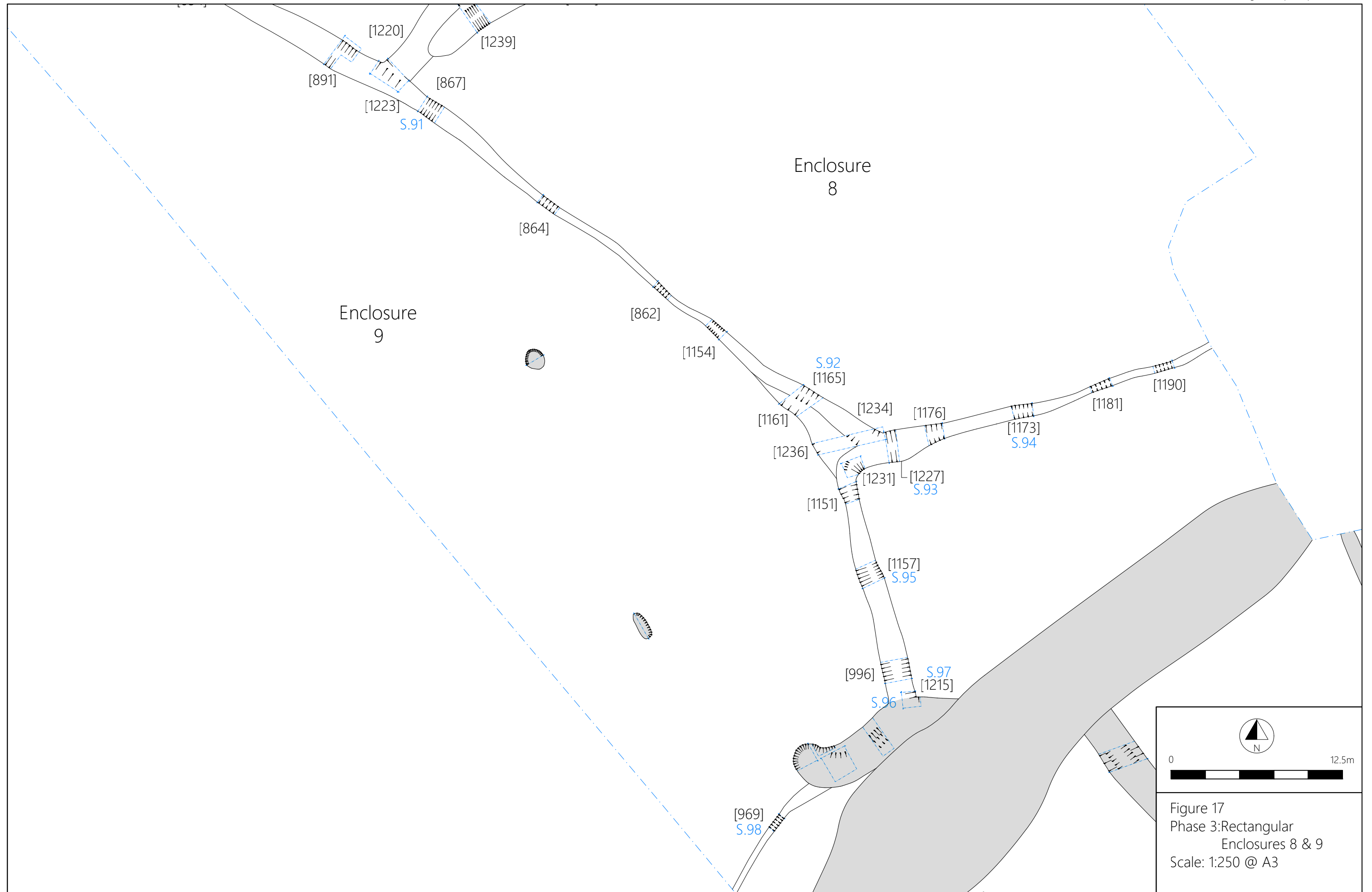
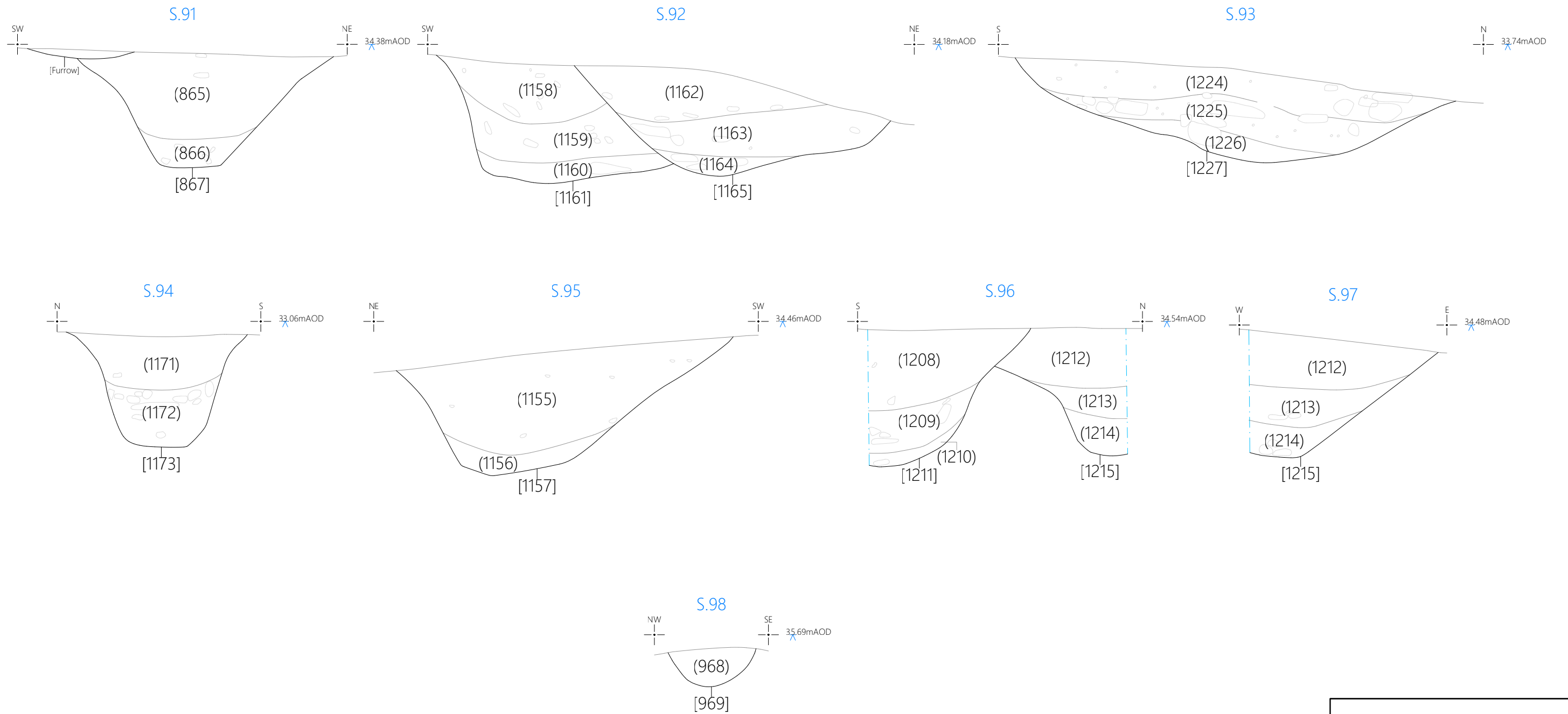
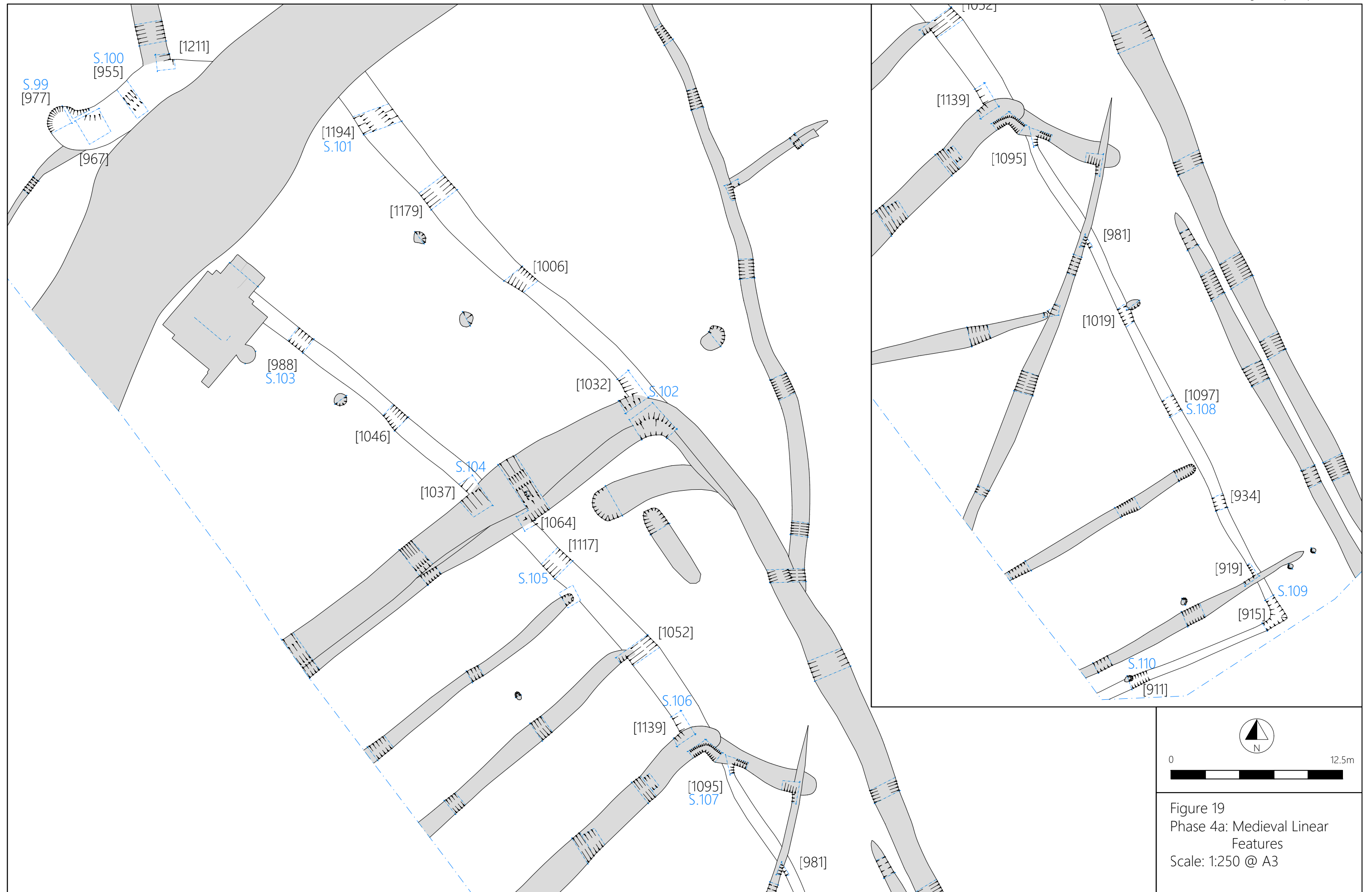
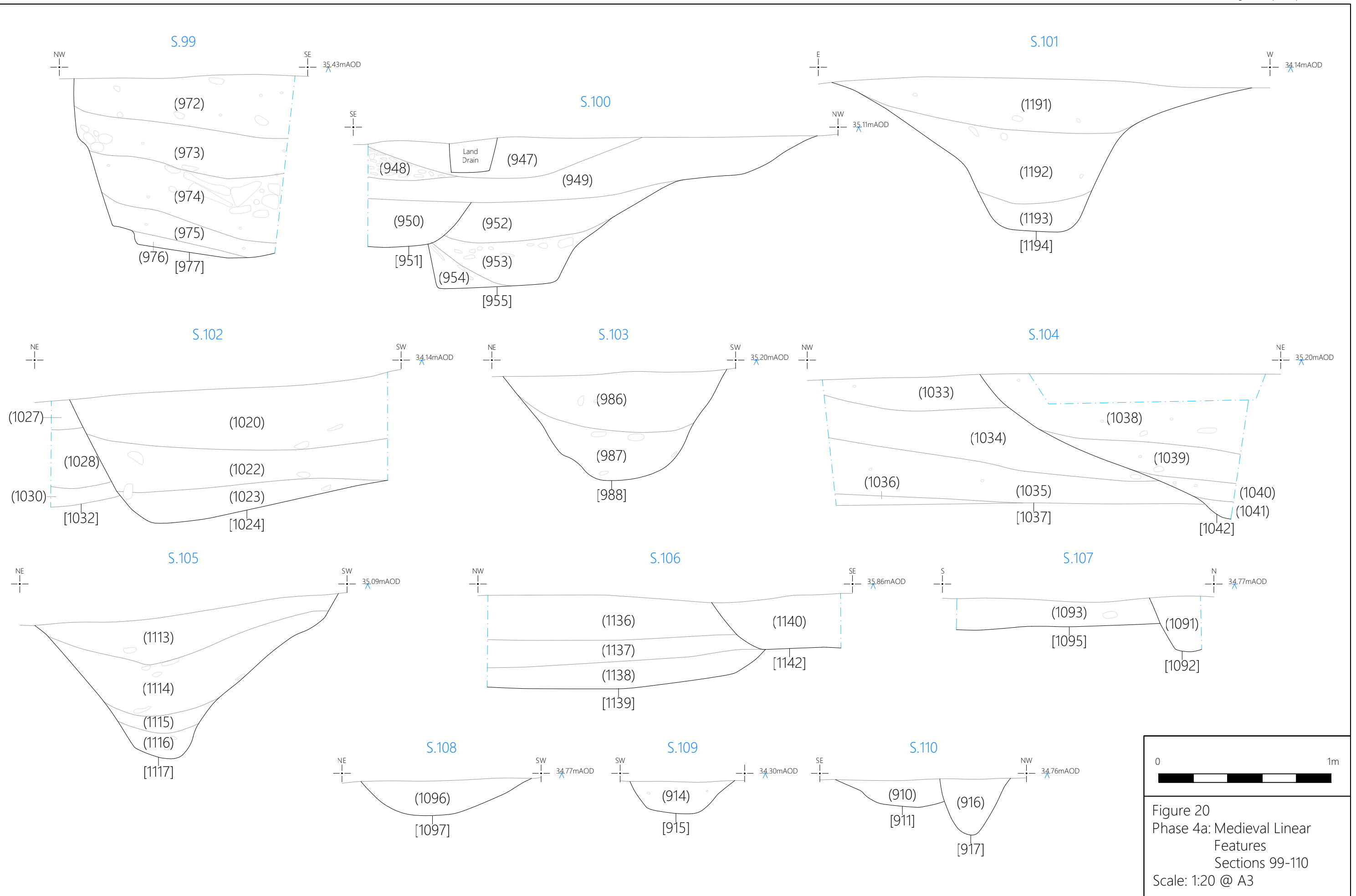


Figure 17
Phase 3: Rectangular
Enclosures 8 & 9
Scale: 1:250 @ A3

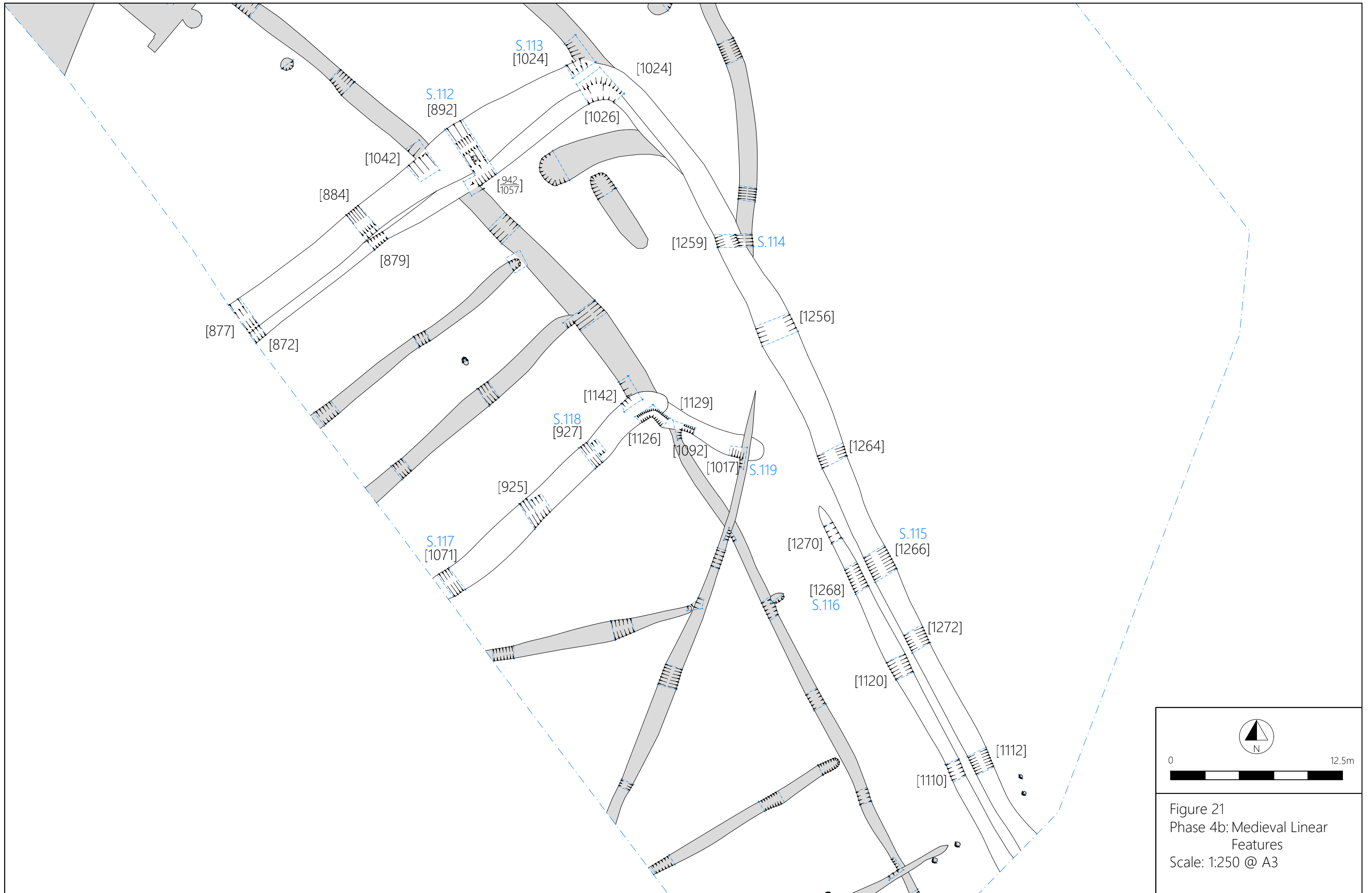


0 1m
Figure 18
Phase 3: Rectangular Enclosures
8 & 9
Sections 91-98
Scale: 1:20 @ A3





0 1m
Figure 20
Phase 4a: Medieval Linear
Features
Sections 99-110
Scale: 1:20 @ A3



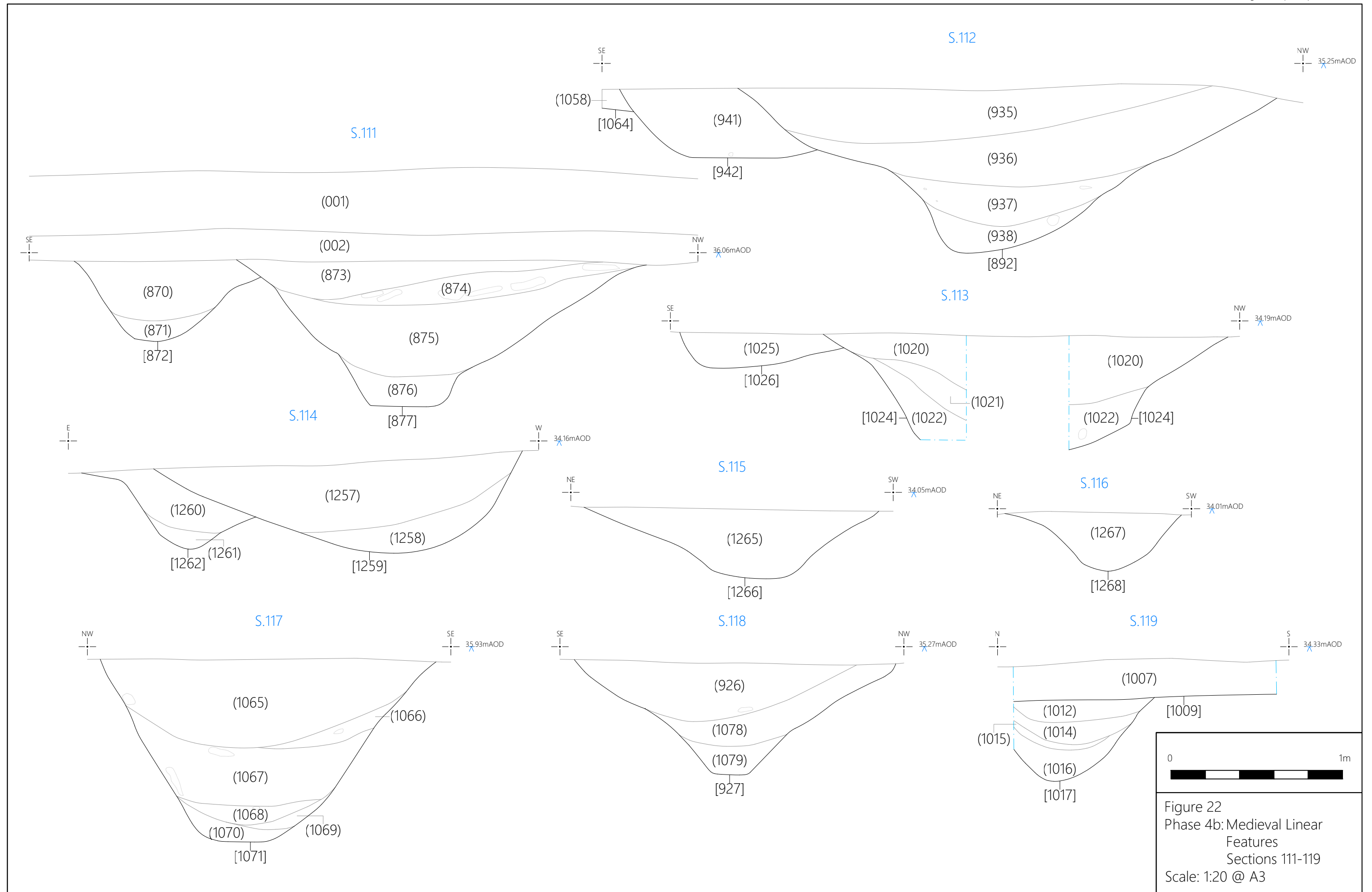


Figure 22
Phase 4b: Medieval Linear
Features
Sections 111-119
Scale: 1:20 @ A3

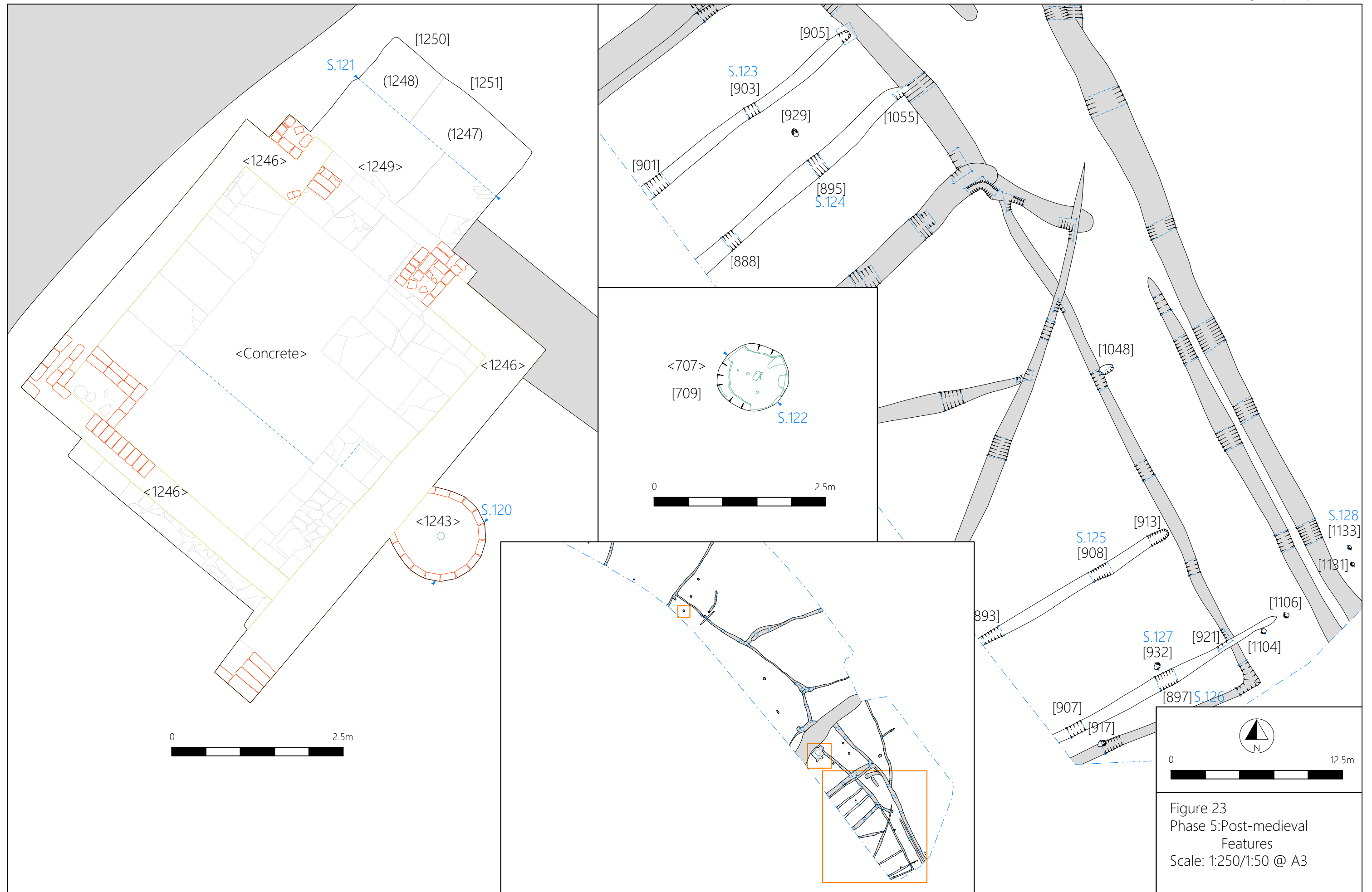


Figure 23
Phase 5: Post-medieval
Features
Scale: 1:250/1:50 @ A3

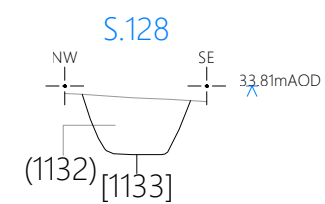
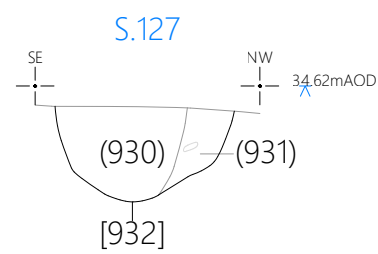
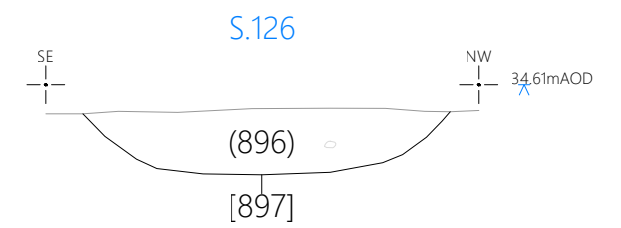
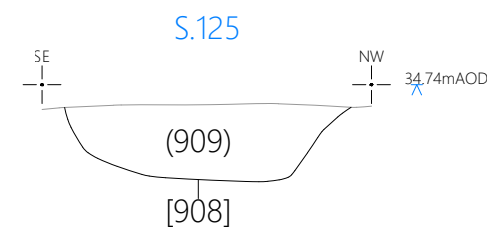
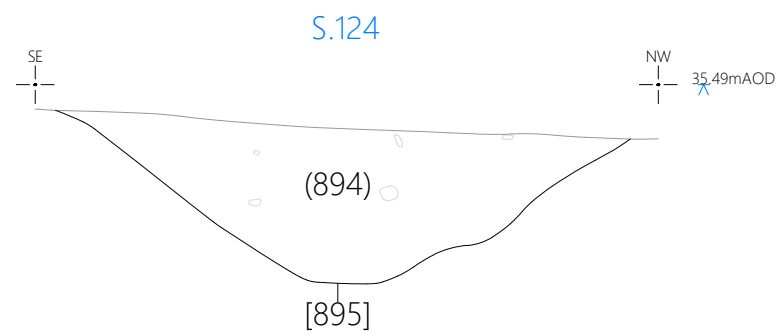
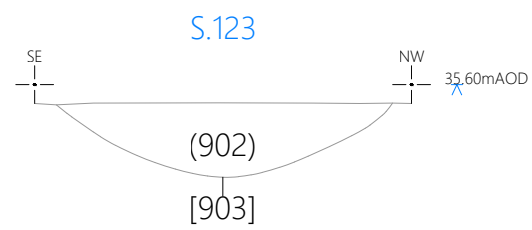
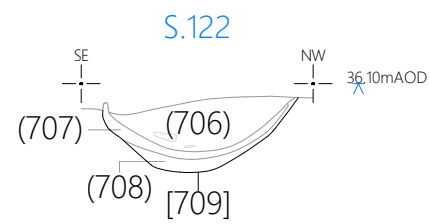
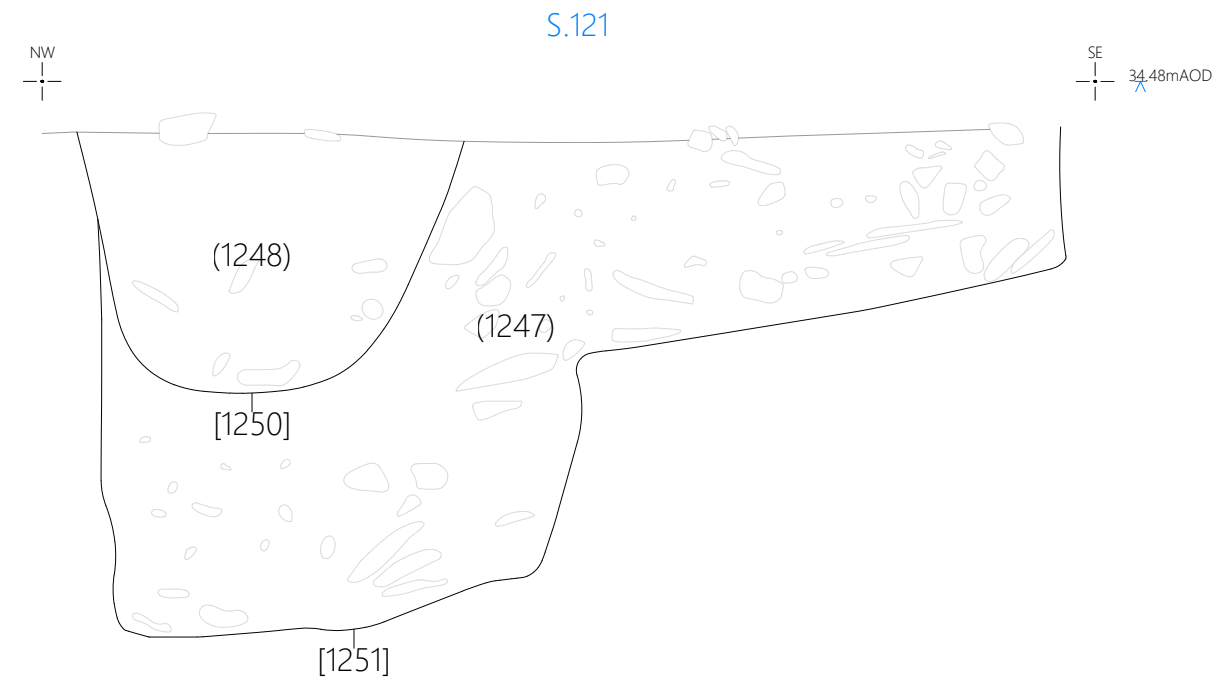
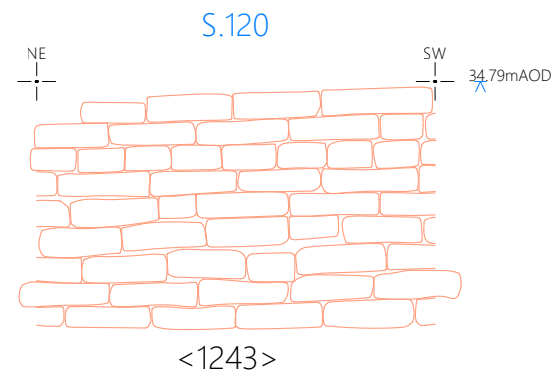


Figure 24
Phase 5: Post-medieval
Features
Sections 120-128
Scale: 1:20 @ A3

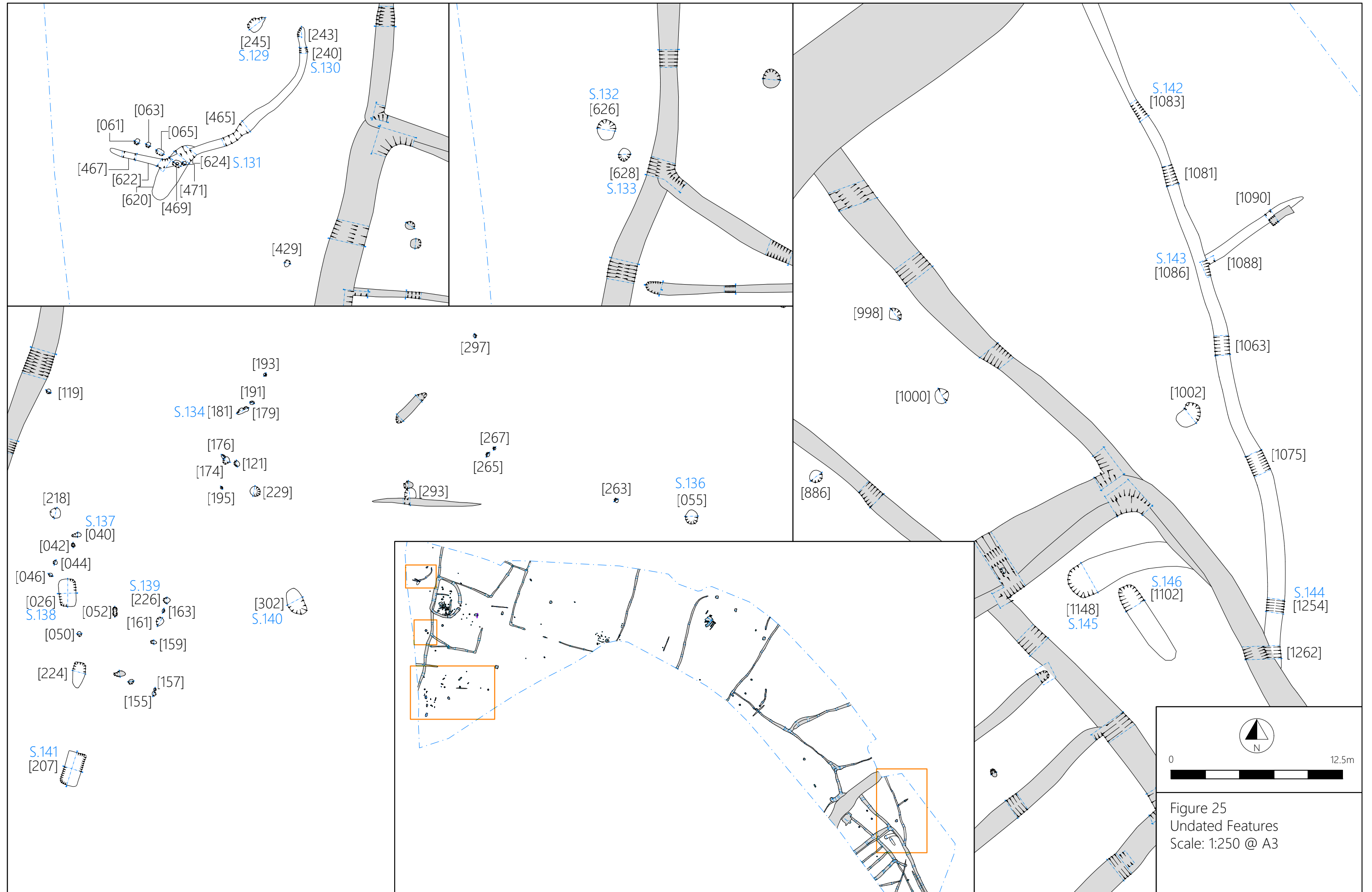
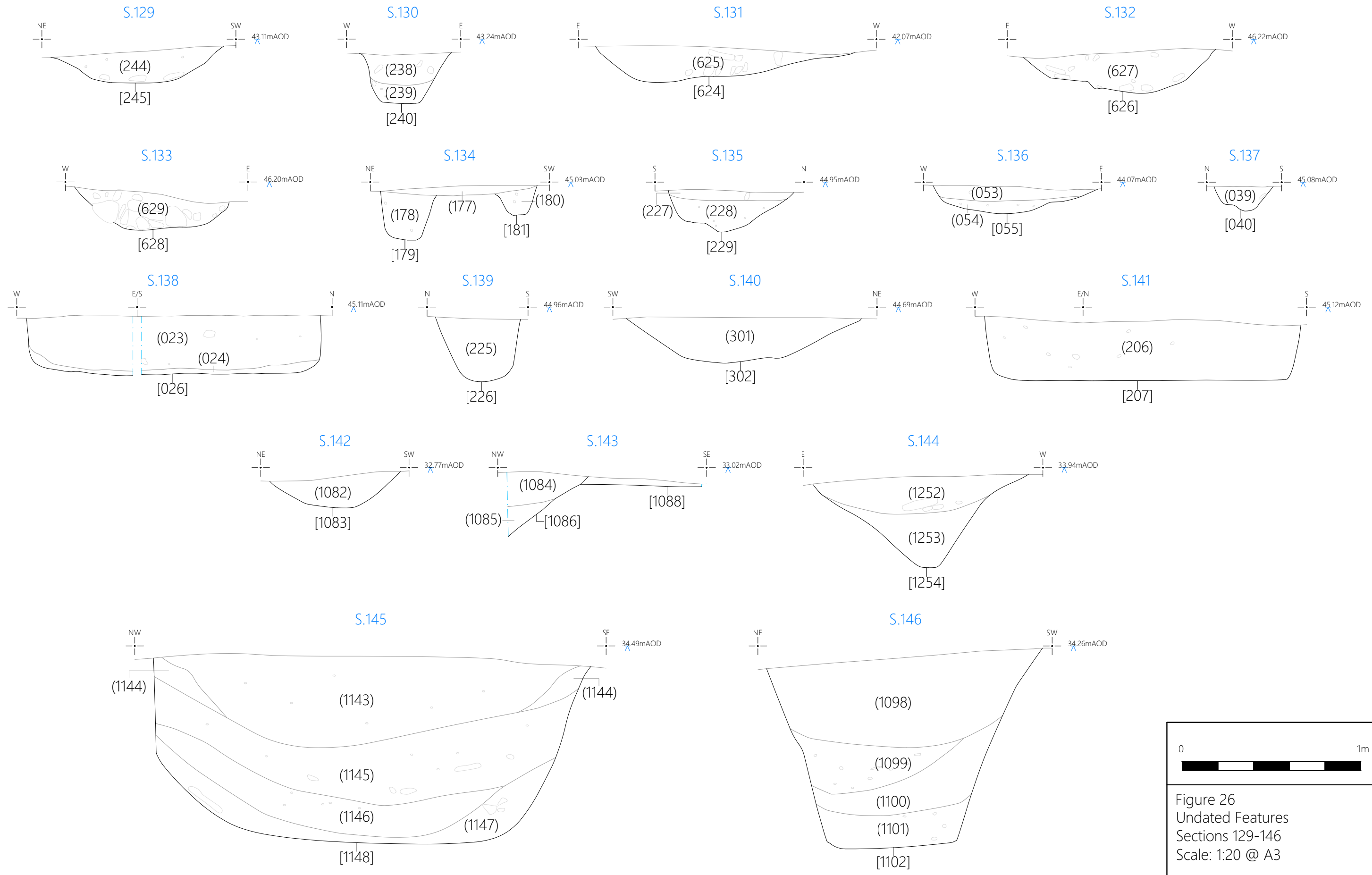


Figure 25
Undated Features
Scale: 1:250 @ A3



0 1m
Figure 26
Undated Features
Sections 129-146
Scale: 1:20 @ A3



Plate 1. Phase 1 Ditch Cut [013]. North-East Facing Section.



Plate 2. Phase 1 Ditch Cut [070]. North Facing Section.



Plate 3. Phase 2 Ditch Cut [100]. East Facing Section.



Plate 4. Phase 2 Ditch Cut 128]. East Facing Section.



Plate 5. Phase 2 Ditch Cut [172]. South Facing Section.



Plate 6. Phase 2 Pit [285]. North-East Facing Section.



Plate 7. Phase 2 Pit [534].



Plate 8. Phase 3 Ditch Cut [300]. Facing North-West.



Plate 9. Phase 3 Ditch Cut [507]. North Facing Section.



Plate 10. Phase 3 Ditch Cut [630]. North Facing Section.



Plate 11. Phase 3 Ditch Cut [729]. North Facing Section.



Plate 12. Phase 3 Corn Drier During Excavation.



Plate 13. Phase 3 Corn Drier After Excavation.



Plate 14. Phase 3 Corn Drier After Excavation.



Plate 15. Phase 4A Ditch Cut [1006]. South-East Facing Section.



Plate 16. Phase 4B Ditch Cut [884]. North East Facing Section.



Plate 17. Post Medieval Ditch Cut [888] North-East Facing Section.



Plate 18. Post Medieval Well Connected to Bath House.



Plate 19. Post Medieval Bath House.



Plate 20. Post Medieval Bath House.



Plate 21. Post Medieval Bath House Plunge Pool.



Plate 22. Post Medieval Bath House Plunge Pool.

APPENDIX 1

City Fields (Phase II, W Area)

Site Code: 05.31.17

Context Listing

Context No.	Type	Fill of	Description
001	Deposit		Topsoil
002	Deposit		Subsoil
003	Fill	005	Mid reddish brown silty clay. Occasional small stones
004	Fill	005	Mid grey brown silty clay. Occasional small stones
005	Cut		Cut of boundary ditch
006	Fill	008	Mid brown silty clay. Frequent sandstone
007	Fill	008	Mid orange silty clay. Occasional stone
008	Cut		Re-cut of boundary ditch
009	Fill	013	Mid yellowish brown silty clay. Occasional stone
010	Fill	013	Mid yellowish brown silty clay
011	Fill	013	Mid brown silty clay. Frequent small sandstone frags
012	Fill	013	Mid yellowish brown sandy clay. Occasional small stones
013	Cut		Cut of boundary ditch
014	Fill	016	Mid brown silty clay. Occasional small stones
015	Fill	016	Mid yellowish brown silty clay. Frequent med & lrg stones
016	Cut		Cut of boundary ditch
017	Fill	018	Mid brown silty clay. Frequent stone
018	Cut		Cut of boundary ditch
019	Fill	020	Mid yellowish brown silty clay. Frequent med & lrg stones
020	Cut		Cut of ditch
021	Fill	022	Mid brown sandy silt. Frequent large stones
022	Cut		Cut of ditch
023	Fill	026	Mid yellowish brown silty clay. Occasional stone
024	Deposit	026	Very dark grey clay. Contained charcoal
025	Fill	026	Mid reddish brown clay.
026	Cut		Cut of pit
027	Fill	030	Mid orange silty clay. Occasional stone
028	Fill	030	Mid yellowish brown clay. Occasional stone
029	Fill	030	Mid yellowish brown sandy clay. Occasional large stones
030	Cut		Cut of D-shaped enclosure Segment
031	Fill	034	Mid grey brown sandy clay

032	Fill	034	Mid yellowish brown silty clay
033	Fill	034	Mid yellowish brown sandy clay
034	Cut		Cut of boundary ditch
035	Fill	036	Mid yellowish brown silty clay. Occasional med & lrg stones
036	Cut		Cut of ditch
037	Fill	038	Mid yellowish brown sandy silt. Occasional large stones
038	Cut		Cut of ditch
039	Fill	040	Mid orange brown silty clay. Occasional small stones
040	Cut		Cut of posthole
041	Fill	041	Dark orange brown silty clay
042	Cut		Cut of pit
043	Fill	044	Mid orange brown silty clay. Occasional small stones
044	Cut		Cut of posthole
045	Fill	046	Dark orange brown silty clay
046	Cut		Cut of posthole
047	Fill	048	Mid orange brown silty clay
048	Cut		Cut of posthole
049	Fill	050	Mid orange brown silty clay
050	Cut		Cut of posthole
051	Fill	052	Mid orange brown silty clay
052	Cut		Cut of posthole
053	Fill	055	
054	Fill	055	
055	Cut		Cut of pit
056	Fill	059	Mid orange grey clay silt
057	Fill	059	Mid orange grey silty clay
058	Fill	059	Mid blue grey clay. Occasional pebbles
059	Cut		Cut of ditch
060	Fill	061	Mid brown silty clay
061	Cut		Cut of posthole
062	Fill	063	Mid brown silty clay
063	Cut		Cut of posthole
064	Fill	065	Mid brown silty clay. Occasional small stones
065	Cut		Cut of posthole
066	Fill	070	Dark brown sandy clay
067	Fill	070	Mid brown clay
068	Fill	070	Mid Yellowish brown sandy clay
069	Fill	070	Light brown clay. Frequent pebbles
070	Cut		Cut of ditch
071	Fill	072	Mid yellowish brown sandy silt. Occasional large stones
072	Cut		Cut of ditch

073	VOID		
074	VOID		
075	VOID		
076	VOID		
077	VOID		
078	VOID		
079	VOID		
080	Fill	081	Mid yellowish grey silty sand
081	Cut		Cut of gully
082	Fill	083	Mid grey brown silty sand. Frequent charcoal
083	Cut		Cut of pit
084	Fill	089	Dark orange brown sandy clay
085	Fill	089	Charcoal rich
086	Fill	089	Mid grey brown silty clay
087	Fill	089	Light orange brown sandy silt. Occasional large stones
088	Fill	089	Light grey brown silty sand
089	Cut		Cut of ditch
090	Fill	091	Mid brown sandy silt. Occasional charcoal
091	Cut		Cut of pit
092	Fill	095	Dark orange brown silty sand
093	Fill	095	Very dark brown sandy silt. Abundant charcoal
094	Fill	095	Mid orange brown sandy silt
095	Cut		Cut of pit
096	Fill	100	Mid orange brown sandy silt
097	Fill	100	Mid brown sandy silt. Occasional large stones
098	Fill	100	Dark brown sandy silt. Occasional large stones
099	Fill	100	Light orange brown sandy silt.
100	Cut		Cut of ditch
101	Fill	103	Mid brown grey clay silt
102	Fill	103	mid blue grey silty clay
103	Cut		Cut of ditch
104	Fill	106	Mid brown sandy silt. Occasional charcoal
105	Fill	106	Light yellowish brown sandy silt. Frequent large stones
106	Cut		Cut of ditch
107	Fill	109	Mid brown sandy silt. Occasional charcoal
108	Fill	109	Light yellowish brown sandy silt. Frequent large stones
109	Cut		Cut of ditch
110	Fill	110	Mid brown clay silty
111	Cut		Cut of gully
112	Fill	117	Mid brown clay silt
113	Fill	117	Mid yellowish brown silty clay

114	Fill	117	Mid yellowish grey clay. Frequent stone
115	Fill	117	Mid yellowish brown clay. Occasional stone
116	Fill	117	Mid grey brown silty clay. Occasional small stones
117	Cut		Cut of ditch
118	Fill	119	Mid brown silt.
119	Cut		Cut of posthole
120	Fill	121	Mid brown silt
121	Cut		Cut of posthole
122	Fill	125	Mid grey brown clay sand
123	Fill	125	light grey brown sandy clay
124	Fill	125	Mid reddish brown clay sand. Charcoal flecking
125	Cut		Cut of 'D' shaped enclosure ditch
126	Fill	128	Mid grey buff sandy silt.
127	Fill	128	Light grey buff brown sandy silt
128	Cut		Cut of 'D' shaped enclosure ditch
129	Fill	134	Mid brown clay silt
130	Fill	134	Mid grey clay. Occasional large stones
131	Fill	134	Mid yellowish brown silty clay. Occasional small stones.
132	Fill	134	Mid brown grey clay. Occasional small stone and charcoal
133	Fill	134	Mid grey brown silty clay. Occasional small stones
134	Cut		Cut of 'D' shaped enclosure ditch
135	Fill	140	Mid grey brown clay silt
136	Fill	140	Mid grey brown silty clay. Occasional small stones
137	Fill	140	Mid grey brown silty clay, Frequent stone
138	Fill	140	Mid grey brown silty clay. Occasional small stones
139	Fill	140	Grey clay. Charcoal flecking
140	Cut		Cut of ditch
141	Fill	142	Very dark grey silt. Abundant charcoal
142	Cut		Cut of posthole
143	Fill	144	Mid brown sandy clay
144	Cut		Cut of posthole
145	Fill	147	Mid grey brown silty sand
146	Fill	147	Mid orange brown silty sand. Occasional stones
147	Cut		Cut of enclosure ditch
148	Fill	149	Mid grey buff brown clay silt
149	Cut		Cut of ditch
150	Fill	151	Dark reddish brown silty clay
151	Cut		Cut of posthole
152	Fill	153	Dark reddish brown silty clay
153	Cut		Cut of posthole
154	Fill	155	Mid reddish brown silty clay.

155	Cut		Cut of posthole
156	Fill	157	Mid reddish brown silty clay
157	Cut		Cut of posthole
158	Fill	159	Mid brown silty clay
159	Cut		Cut of pit
160	Fill	161	Dark reddish brown silty clay
161	Cut		Cut of pit
162	Fill	163	Mid reddish brown silty clay
163	Cut		Cut of pit
164	Fill	166	Mid brown sandy silt. Frequent large stones
165	Fill	166	Light yellowish brown sandy silt.
166	Cut		Cut of enclosure ditch
167	Fill	168	Mid brown sandy silt. Frequent small stones
168	Cut		Cut of enclosure ditch terminal
169	Fill	172	Mid grey brown silt. Frequent stone
170	Fill	172	Mid brown clay silt
171	Fill	172	Mid brown clay silt
172	Cut		Cut of 'D' shaped enclosure ditch terminal
173	Fill	174	Mid brown silt
174	Cut		Cut of posthole
175	Fill	176	Mid brown silt
176	Cut		Cut of posthole
177	Deposit		Mid brown silt
178	Fill	179	Mid grey brown sandy silt
179	Cut		Cut of posthole
180	Fill	181	Mid grey brown sandy silt
181	Cut		Cut of posthole
182	Fill	183	Dark grey brown sandy silt
183	Cut		Cut of pit
184	Fill	185	Dark orange brown sandy silt. Occasional stone
185	Fill	185	Mid orange brown sandy silt
186	Fill	185	Dark orange brown clay silt. Frequent stone
187	Fill	185	Mid orange brown clay silt
188	Fill	185	Light blue grey silty clay
189	Cut		Cut of 'D' shaped enclosure terminal
190	Fill	191	Mid brown silt
191	Cut		Cut of posthole
192	Fill	193	Mid brown silt
193	Cut		Cut of posthole
194	Fill	195	Dark grey clay
195	Cut		Cut of stakehole

196	Fill	197	Mid brown sandy clay. Abundant stone
197	Cut		Cut of post pad
198	Fill	199	Mid grey brown clay
199	Cut		Cut of posthole
200	Fill	201	Mid grey brown sandy clay
201	Cut		Cut of gully
202	Fill	203	Mid grey brown sandy clay
203	Cut		Cut of Gully
204	Fill	205	Mid grey brown sandy clay
205	Cut		Cut of gully terminal
206	Fill	207	Mid grey brown silty clay
207	Cut		Cut of pit
208	Fill	210	Mid brown sandy silt. Frequent stone
209	Fill	210	Dark brown clay silt
210	Cut		Cut of pit
211	Fill	212	Mid brown clay silt
212	Cut		Cut of posthole
213	Fill	201	Dark grey brown silty clay
214	Fill	216	Mid brown sandy silt
215	Fill	216	Light yellowish brown sandy silt
216	Cut		Cut of enclosure ditch
217	Fill	218	Mid brown silt
218	Cut		Cut of post pad
219	Fill	220	Mid brown silt
220	Cut		Cut of gully terminal
221	Fill	222	Mid reddish brown sandy clay. Occasional large stones
222	Cut		Cut of pit
223	Fill	224	Dark reddish brown silty clay
224	Cut		Cut of pit
225	Fill	226	Mid reddish brown silty clay
226	Cut		Cut of pit
227	Fill	229	Mid brown silt
228	Fill	229	Mid reddish brown clay silt. Charcoal flecking
229	Cut		Cut of pit
230	Fill	231	Mid brown silty clay. Occasional charcoal
231	Cut		Cut of gully terminal
232	Fill	233	Mid grey brown silty clay
233	Cut		Cut of Gully
234	Fill	235	Mid orange brown silty clay
235	Cut		Cut of ditch
236	Fill	237	Mid brown silty clay

237	Cut		Cut of gully
238	Fill	240	Mid brown sandy silt
239	Fill	240	Dark brown clay silt
240	Cut		Cut of gully
241	Fill	243	Mid brown sandy silt
242	Fill	243	Dark orange brown clay silt. Frequent stone
243	Cut		Cut of ditch terminal
244	Fill	245	Mid brown sandy silt
245	Cut		Cut of tree bowl
246	Fill	248	Mid orange brown clay silt
247	Fill	248	Light blue brown silty clay
248	Cut		Cut of pit
249	Fill	250	Mid grey brown clay silt
250	Cut		Cut of furrow
251	Fill	252	Pale blue grey clay silt
252	Cut		Cut of gully
253	Fill	256	Mid brown silty clay
254	Fill	256	Dark grey brown silty clay. Frequent stone
255	Fill	256	Mid brown sandy silt. Abundant stone
256	Cut		Cut of gully
257	Fill	259	Mid brown sandy silt
258	Fill	259	Light yellowish brown sandy silt
259	Cut		Cut of pit
260	Fill	261	Dark brown silt. Abundant large stones
261	Cut		Cut of pit
262	Fill	263	Mid grey brown sandy silt
263	Cut		Cut of posthole
264	Fill	265	Mid grey brown sandy silt
265	Cut		Cut of posthole
266	Fill	267	Mid grey brown sandy silt
267	Cut		Cut of posthole
268	Fill	268	Mid orange brown silty clay. Moderate charcoal
269	Cut		Cut of pit
270	Fill	273	Mid reddish brown silt
271	Fill	273	Mid brown clay silt
272	Fill	273	Mid yellowish brown sandy silt. Occasional large stones
273	Cut		Cut of enclosure ditch
274	Fill	275	Mid grey brown clay silt
275	Cut		Cut of posthole
276	Fill	277	Mid brown clay silt
277	Cut		Cut of gully

278	Fill	279	Mid brown clay silt
279	Cut		Cut of gully
280	Fill	281	Mid yellowish brown clay silt
281	Cut		Cut of gully
282	Cut		Cut of ditch
283	Fill	282	Mid brown silty sand
284	Fill	285	Mid brown clay silt
285	Cut		Cut of pit
286	Fill	287	Dark brown sandy silt
287	Cut		Cut of pit
288	Fill	289	Dark brown sandy silt
289	Cut		Cut of stakehole
290	Fill	291	Dark brown clay silt
291	Cut		Cut of stakehole
292	Fill	293	Mid brown silt
293	Cut		Cut of pit
294	Fill	297	Mid grey brown sandy silt
295	Fill	297	Mid grey brown sandy silt. Abundant charcoal
296	Fill	297	Mid orange brown sandy silt
297	Cut		Cut of pit
298	Fill	300	Pale grey orange slay silt
299	Fill	300	Pale blue grey clay silt
300	Cut		Cut of enclosure ditch
301	Fill	302	Mid brown clay silt. Charcoal flecking
302	Cut		Cut of pit
303	Fill	304	Mid brown sandy clay. Occasional stone
304	Cut		Cut of posthole
305	Fill	306	Mid brown sandy clay. Occasional stone
306	Cut		Cut of posthole
307	Fill	308	Mid brown sandy silt
308	Cut		Cut of gully terminal
309	Fill	310	Mid brown sandy silt. Charcoal flecking
310	Cut		Cut of gully terminal
311	Fill	313	Mid brown sandy silt
312	Fill	313	Mid grey brown sandy silt
313	Cut		Cut of gully
314	Fill	315	Dark brown sandy silt.
315	Cut		Cut of pit
316	Fill	317	Dark orange brown clay silt
317	Cut		Cut of post pad
318	Fill	319	Orange brown clay silt. Abundant stone

319	Cut		Cut of pit
320	Fill	321	Dark brown sandy silt
321	Cut		Cut of pit
322	Fill	323	Mid yellowish brown clay silt
323	Cut		Cut of posthole
324	Fill	325	Very dark brown clay silt
325	Cut		Cut of posthole
326	Fill	327	Mid yellowish brown clay silt.
327	Cut		Cut of posthole
328	Fill	329	Mid yellowish brown clay silt
329	Cut		Cut of posthole
330	Cut		Cut of pit
331	Fill	330	Very dark brown silty clay. Contained charcoal
332	Fill	330	Red clay. Contained burnt stone
333	Cut		Cut of posthole
334	Fill	333	Mid brown silty clay
335	Cut		Cut of posthole
336	Fill	335	Mid brown silty clay
337	Fill	338	Mid grey brown sandy silt. Occasional charcoal
338	Cut		Cut of posthole
339	Fill	341	Dark grey brown sandy silt
340	Fill	341	Mid grey brown sandy silt
341	Cut		Cut of posthole
342	Fill	344	Mid grey brown sandy silt
343	Fill	344	Pale grey brown sandy silt
344	Cut		Cut of pit
345	Fill	346	Mid grey brown sandy silt
346	Cut		Cut of stakehole
347	Fill	348	Mid grey brown sandy silt
348	Cut		Cut of posthole
349	Fill	313	Mid yellowish brown sandy silt
350	Fill	351	Mid brown silt. Charcoal flecking
351	Cut		Cut of posthole
352	Fill	353	Dark brown clay silt
353	Cut		Cut of posthole
354	Fill	356	Dark brown sandy silt. Occasional stone
355	Fill	356	Dark orange brown clay silt
356	Cut		Cut of gully
357	Fill	358	Mid grey brown silty clay
358	Cut		Cut of pit
359	Fill	360	Mid brown silty clay

360	Cut		Cut of posthole
361	Fill	362	Mid brown silty clay
362	Cut		Cut of posthole
363	Fill	365	Light brown sandy silt. Occasional charcoal
364	Fill	365	Mid grey brown sandy silt
365	Cut		Cut of pit
366	Fill	367	Mid brown silty clay. Occasional stone
367	Cut		Cut of posthole
368	Fill	369	Mid brown silty sand
369	Cut		Cut of posthole
370	Fill	371	Mid brown clay. Occasional stone
371	Cut		Cut of posthole
372	Fill	373	Mid brown sandy silt. Abundant stone
373	Cut		Cut of pit
374	Fill	376	Dark brown clay silt. Occasional stone
375	Fill	376	Dark brown clay silt.
376	Cut		Cut of pit
377	Fill	378	Dark brown
378	Cut		Cut of pit
379	Cut		Cut of posthole
380	Fill	379	Dark brown sandy silt
381	Cut		Cut of posthole
382	Fill	383	Mid brown clay sand
383	Cut		Cut of posthole
384	Fill	383	Mid brown clay sand
385	Fill	387	Mid orange brown silty sand. Frequent stone
386	Fill	387	Light yellowish brown sandy silt. Occasional stone
387	Cut		Cut of gully
388	Fill	390	Mid brown sandy silt. Occasional stone
389	Fill	390	Dark brown sandy silt. Occasional stone
390	Cut		Cut of gully
391	Fill	392	Light grey brown sandy silt
392	Cut		Cut of posthole
393	Fill	394	Mid grey brown sandy silt
394	Cut		Cut of posthole
395	Fill	396	Mid grey brown sandy silt
396	Cut		Cut of posthole
397	Fill	398	Mid yellowish brown silt
398	Cut		Cut of posthole
399	Fill	400	Mid brown clay silt
400	Cut		Cut of posthole

401	Fill	402	Mid grey brown clay
402	Cut		Cut of posthole
403	Fill	404	Mid grey brown clay silt
404	Cut		Cut of posthole
405	Fill	406	Mid grey brown clay silt
406	Cut		Cut of ditch
407	Fill	408	Mid grey brown sandy silt. Occasional stone
408	Cut		Cut of ditch
409	Fill	410	Mid brown sandy silt
410	Cut		Cut of posthole
411	Fill		Mid brown sandy silt
412	Cut		Cut of posthole
413	Fill	414	Mid brown sandy silt
414	Cut		Cut of posthole
415	VOID		
416	Fill	417	Mid brown silty sand. Frequent large stones
417	Cut		Cut of pit
418	Fill	419	Mid yellowish brown silt. Occasional stone
419	Cut		Cut of posthole
420	Fill	421	Very dark brown clay silt. Charcoal flecking
421	Cut		Cut of posthole
422	Fill	423	Mid yellowish brown silt. Occasional stone
423	Cut		Cut of posthole
424	Fill	425	Dark reddish brown clay silt
425	Cut		Cut of posthole
426	Fill	427	Mid reddish brown silt
427	Cut		Cut of posthole
428	Fill	429	mid grey brown silty sand
429	Cut		Cut of posthole
430	Fill	433	Mid grey brown sandy silt. Occasional stone
431	Fill	433	Mid orange brown sandy silt
432	Fill	433	Mid brown orange clay silt
433	Cut		Cut of enclosure ditch
434	Fill	436	Mid orange brown clay silt
435	Fill	436	Mid grey brown silty sand
436	Cut		Cut of gully
437	Fill	439	Mid reddish brown sandy silt. Occasional silt
438	Fill	439	Mid grey brown silty sand
439	Cut		Cut of enclosure ditch terminal
440	Fill	443	Mid grey brown sandy silt
441	Fill	443	Mid orange brown sandy silt. Abundant stone

442	Fill	443	Mid orange brown clay silt
443	Cut		Cut of enclosure ditch
444	Fill	448	Mid brown orange clay silt
445	Fill	448	Pale blue grey clay silt
446	Fill	448	Mid blue grey clay silt
447	Fill	448	Mid orange sand. Fe rich
448	Cut		Cut of enclosure ditch corner
449	Fill	451	Pale grey blue clay silt
450	Fill	451	Pale blue silty clay
451	Cut		Cut of enclosure ditch corner
452	Fill	454	Mid orange brown sandy silt
453	Fill	454	Light orange brown clay silt. Frequent stone
454	Cut		Cut of gully
455	Fill	457	Mid orange brown sandy silt. Frequent stone
456	Fill	457	Light yellow brown sandy silt.
457	Cut		Cut of gully
458	Fill	464	Mid brown sandy silt
459	Fill	464	Mid orange brown sandy silt
460	Fill	464	Dark brown sandy silt. Frequent stone
461	Fill	464	Mid orange brown clay silt
462	Fill	464	Dark grey brown sandy silt. Frequent stone
463	Fill	464	Light grey brown clay silt. Occasional stone
464	Cut		Cut of enclosure ditch
465	Cut		Cut of gully
466	Fill	465	Mid grey brown clay sand
467	Cut		Cut of gully
468	Fill		Mid grey brown sandy silt
469	Cut		Cut of pit
470	Fill		Mid grey brown sandy silt
471	Cut		Cut of posthole
472	Fill	471	Mid grey brown sandy silt
473	Fill	469	Mid grey brown sandy silt
474	Fill	476	Pale blue grey clay silt
475	Fill	476	Mid grey clay silt
476	Cut		Cut of enclosure ditch
477	Fill	478	Pale blue grey clay silt
478	Cut		Cut of enclosure ditch
479	Cut		Cut of pit
480	Fill	479	Mid brown sandy clay
481	Cut		Cut of pit
482	Fill	481	Mid brown silty clay

483	Fill	484	Mid yellowish brown silty clay
484	Cut		Cut of posthole
485	Fill	487	Mid grey brown silty clay
486	Fill	487	Dark grey brown clay silt
487	Cut		Cut of pit
488	Fill	489	Mid grey brown clay silt
489	Cut		Cut of gully terminal
490	Fill	491	Mid grey brown clay silt
491	Cut		Cut of gully
492	Fill	406	Mid yellowish brown silty clay
493	Fill	498	Dark brown sandy silt. Frequent stone
494	Fill	498	Mid brown sandy silt
495	Fill	498	Mid orange brown clay silt
496	Fill	498	Dark brown clay silt
497	Fill	498	Mid brown clay silt.. Abundant stone
498	Cut		Cut of enclosure ditch
499	Fill	502	Dark brown sandy silt
500	Fill	502	Mid brown clay silt
501	Fill	502	Light orange brown clay silt. Abundant stone
502	Cut		Cut of ditch
503	Fill	506	Mid brown sandy silt
504	Fill	506	Mid orange brown clay silt
505	Fill	506	Light orange brown clay silt. Abundant stone
506	Cut		Cut of ditch
507	Cut		Cut of ditch
508	Fill	507	Mid reddish brown clay sand. Occasional stone
509	Fill	507	Mid reddish brown clay sand
510	Fill	511	Light yellowish brown silty clay
511	Cut		Cut of posthole
512	Fill	514	Mid orange brown silty clay
513	Fill	514	Mid grey silty clay
514	Cut		Cut of pit
515	Fill	516	Mid yellowish brown silty clay
516	Cut		Cut of posthole
517	Fill	518	Mid grey brown silty clay. Occasional stone
518	Cut		Cut of pit
519	Fill	520	Mid grey brown silty clay
520	Cut		Cut of posthole
521	Fill	522	Mid brown silt
522	Cut		Cut of posthole
523	Fill	524	Mid brown silt. Occasional stone

524	Cut		Cut of posthole
525	Fill	526	Dark grey brown silty clay
526	Cut		Cut of posthole
527	Fill	528	Dark grey brown silty clay
528	Cut		Cut of posthole
529	Fill	530	Mid brown silty clay. Occasional stone and charcoal
530	Cut		Cut of posthole
531	Fill	534	Mid grey brown silty clay
532	Fill	534	Mid grey silty clay. Abundant stone
533	Fill	534	Mid grey brown clay silt.
534	Cut		Cut of pit
535	Fill	536	Mid brown silty clay. Occasional stone
536	Cut		Cut of posthole
537	Fill	538	Mid brown silty clay. Occasional stone
538	Cut		Cut of posthole
539	Fill	540	Mid orange brown silty clay
540	Cut		Cut of posthole
541	Fill		Mid brown silty clay
542	Cut		Cut of posthole
543	Fill	543	Mid grey brown silty clay. Occasional stone
544	Cut		Cut of posthole
545	Fill	546	Mid grey brown silty clay
546	Cut		Cut of posthole
547	Fill	548	Mid grey silty clay
548	Cut		Cut of posthole
549	Fill	550	Dark brown grey silty clay. Occasional stone
550	Cut		Cut of posthole
551	Fill	552	Mid grey brown silty clay
552	Cut		Cut of posthole
553	Fill	554	Dark brown silty clay
554	Cut		Cut of posthole
555	Fill	556	Mid orange brown silty clay. Occasional small stones
556	Cut		Cut of posthole
557	Fill	558	Mid orange brown silty clay
558	Cut		Cut of pit
559	Fill	560	Mid brown silty clay
560	Cut		Cut of posthole
561	Fill	562	Mid grey brown silty clay
562	Cut		Cut of posthole
563	Fill	564	Mid brown silty clay
564	Cut		Cut of posthole

565	Fill	566	Dark brown grey clay silt
566	Cut		Cut of posthole
567	Fill	568	Mid grey brown silty clay
568	Cut		Cut of posthole
569	Fill	570	Mid brown clay silt
570	Cut		Cut of posthole
571	Fill	572	Mid grey brown sandy silt
572	Cut		Cut of posthole
573	Fill	574	Mid brown silty clay
574	Cut		Cut of posthole
575	Fill	576	Light brown silt. Frequent stone
576	Cut		Cut of posthole
577	Fill	578	Light brown sandy silt. Abundant stone
578	Cut		Cut of posthole
579	Fill	580	Mid brown silt. Occasional stone
580	Cut		Cut of posthole
581	Fill	582	Mid grey brown sandy silt
582	Cut		Cut of pit
583	Fill	584	Mid brown silty clay
584	Cut		Cut of posthole
585	Fill	586	Mid brown silty clay
586	Cut		Cut of posthole
587	Fill	588	Mid grey brown silt. Occasional stones
588	Cut		Cut of pit
589	Fill	590	Mid brown silty clay. Occasional stone
590	Cut		Cut of pit
591	Fill	592	Mid grey brown silty clay
592	Cut		Cut of posthole
593	Fill	594	Mid brown grey clay silt
594	Cut		Cut of posthole
595	Fill	596	Mid brown grey clay silt
596	Cut		Cut of posthole
597	Fill	598	Mid brown grey clay silt
598	Cut		Cut of posthole
599	Fill	600	Mid brown grey clay silt
600	Cut		Cut of posthole
601	Fill	602	Mid brown grey clay silt
602	Cut		Cut of posthole
603	Fill	604	Mid brown grey silty clay
604	Cut		Cut of posthole
605	Fill	606	Mid brown grey clay silt

606	Cut		Cut of posthole
607	Fill	608	Mid brown grey clay silt
608	Cut		Cut of posthole
609	Fill	610	Mid brown grey clay silt
610	Cut		Cut of posthole
611	Fill	613	Blue grey clay silt
612	Fill	613	Pale blue grey clay silt
613	Cut		Cut of ditch
614	Fill	615	Mid reddish brown silty clay. Occasional small stones
615	Cut		Cut of enclosure ditch
616	Fill	617	Mid grey brown silty clay. Occasional leg & sml stones
617	Cut		Cut of enclosure ditch
618	Fill	619	Mid grey brown silty clay. Occasional stone
619	Cut		Cut of enclosure ditch
620	Cut		Cut of gully
621	Fill	620	Mid grey brown clay silt
622	Cut		Cut of gully
623	Fill	622	Mid grey brown clay silt
624	Cut		Cut of gully
625	Fill	624	Mid grey brown clay silt
626	Cut		Cut of pit
627	Fill	627	Mid reddish brown clay silt. Frequent stone
628	Cut		Cut of pit
629	Fill	628	Mid reddish brown clay silt. Frequent stone
630	Cut		Cut of ditch
631	Fill	630	Light yellowish brown clay sand. Occasional stone
632	Fill	630	Dark reddish brown clay sand. Occasional stone
633	Fill	630	Mid reddish brown clay sand. Occasional stone
634	Fill	635	Mid brown clay silt
635	Cut		Cut of posthole
636	Fill	637	Mid brown clay silt
637	Cut		Cut of posthole
638	Fill	639	Mid grey brown clay silt
639	Cut		Cut of posthole
640	Fill	641	Mid yellowish brown clay silt
641	Cut		Cut of posthole
642	Fill	643	Mid grey brown clay silt
643	Cut		Cut of posthole
644	Fill	645	Mid grey brown sandy silt. Occasional stone
645	Cut		Cut of posthole
646	Fill	647	Mid grey brown clay silt

647	Cut		Cut of posthole
648	Fill	649	Mid grey brown sandy silt
649	Cut		Cut of posthole
650	Fill	660	Very dark brown grey sandy silt. Abundant charcoal
651	Fill	656	Mid reddish brown silty clay. Occasional stones
652	Fill	656	Very dark grey brown silt. Abundant charcoal
653	Fill	656	Mid brown silty clay. Occasional stone
654	Fill	656	Mid yellowish brown sandy clay. Occasional stone
655	Fill	656	Mid yellowish brown sandy clay.
656	Cut		Cut of pit
657	Fill	660	Mid brown clay silt. Occasional stone
658	Fill	660	Light grey sandy silt
659	Fill	660	Light yellowish brown clay silt. Occasional stone
660	Cut		Cut of pit
661	Fill	662	Dark grey brown clay silt. Frequent stone
662	Cut		Cut of gully
663	Fill	664	Dark orange brown clay silt
664	Cut		Cut of gully
665	Cut		Cut of pit
666	Fill	665	Mid yellowish brown sandy clay. Occasional stone
667	Cut		Cut of Pit
668	Fill	667	Mid brown clay silt. Occasional stone
669	Fill	670	Mid grey clay
670	Cut		Cut of gully
671	Fill	672	Mid brown orange silty clay
672	Cut		Cut of gully
673	Fill	675	Mid orange grey clay silt. Occasional stone
674	Fill	675	Mid grey brown silty clay. Occasional stone
675	Cut		Cut of ditch
676	Fill	677	Mid grey brown silty clay. Charcoal flecking
677	Cut		Cut of ditch
678	Cut		Cut of pit
679	Fill	678	Mid orange brown clay sand
680	Fill	678	Mid orange brown clay sand. Charcoal flecking
681	Fill	678	Mid yellowish brown clay sand
682	Fill	678	Mid yellowish brown clay sand. Charcoal flecking
683	Fill	685	Pale orange grey silty clay
684	Fill	685	Pale blue grey silty clay
685	Cut		Cut of enclosure ditch corner
686	Fill	687	Mid orange grey clay silt
687	Cut		Cut of gully

688	Fill	689	Mid brown clay silt. Frequent stone
689	Cut		Cut of ditch
690	Fill	692	Mid brown clay. Occasional stone
691	Fill	692	Mid brown grey silty clay. Frequent stone
692	Cut		Cut of ditch
693	Fill	695	Mid brown silty clay silt
694	Fill	695	Mid brown grey silty clay
695	Cut		Cut of ditch
696	Fill	697	Mid grey brown clay silt. Occasional charcoal
697	Cut		Cut of pit
698	Fill	699	Mid yellowish brown clay silt
699	Cut		Cut of pit
700	Fill	701	Mid grey brown silty clay
701	Cut		Cut of ditch
702	Fill	703	Mid grey brown silty clay. Occasional stone
703	Cut		Cut of ditch
704	Fill	705	Mid grey brown clay silt. Occasional stone
705	Cut		Cut of gully terminal
706	Fill	707/709	Very dark grey sand silt. Occasional charcoal
707		709	Metal vessel
708	Fill	709	Dark grey silty clay
709	Cut		Cut of pit
710	Fill	711	Mid grey brown clay silt. Occasional stone
711	Cut		Cut of ditch
712	Fill	713	Mid grey brown clay silt. Occasional stone
713	Cut		Cut of cut of ditch
714	Fill	716	Mid grey brown clay silt. Occasional stone
715	Fill	716	Mid blue grey silty clay. Occasional stone
716	Cut		Cut of enclosure ditch
717	Fill	721	Light grey brown sandy clay. Occasional stone
718	Fill	721	Light yellow grey sandy clay
719	Fill	721	Mid grey brown sandy clay
720	Fill	721	Mid blue grey silty clay. Occasional stone
721	Cut		Cut of ditch
722	Fill	723	Light grey brown silty clay
723	Cut		Cut of ditch
724	Fill	726	Mid blue grey silty clay. Occasional stone
725	Fill	726	Mid blue grey clay. Occasional stone
726	Cut		Cut of enclosure ditch
727	Fill	729	Mid orange brown silty clay
728	Fill	729	Light grey silty clay

729	Cut		Cut of ditch
730	Fill	732	Mid grey brown clay silt
731	Fill	732	Mid grey clay
732	Cut		Cut of ditch
733	Fill	735	Dark grey brown sandy clay. Occasional stone
734	Fill	735	Light grey clay silt. Frequent charcoal
735	Cut		Cut of ditch
736	Fill	738	Dark grey brown sandy clay
737	Fill	738	Light grey clay silt. Charcoal flecking
738	Cut		Cut of ditch terminal
739	Fill	741	Mid orange brown silty clay. Occasional stone
740	Fill	741	Light grey silty clay
741	Cut		Cut of ditch
742	Fill	743	Mid grey brown silty clay. Occasional burnt stone
743	Cut		Cut of ditch
744	Fill	746	Mid grey brown silty clay. Charcoal flecking
745	Fill	746	Dark grey silty clay. Occasional stone
746	Cut		Cut of clay
747	Fill	748	Mid brown silty clay. Occasional stone
748	Cut		Cut of ditch
749	Fill	750	Dark grey brown clay sand. Frequent stone
750	Cut		Cut of gully
751	Fill	753	Very dark brown clay silt. Occasional stone and charcoal
752	Fill	753	Mid grey clay. Charcoal flecking
753	Cut		Cut of pit
754	Fill	755	Mid brown clay silt
755	Cut		Cut of pit
756	Fill	757	Mid brown clay silt. Occasional stone
757	Cut		Cut of ditch
758	Fill	759	Mid orange brown clay silt. Occasional stone
759	Cut		Cut of ditch
760	Fill	761	Very dark grey silty clay. Abundant charcoal
761	Cut		Cut of pit
762	Fill	763	Mid grey silty clay. Occasional charcoal
763	Cut		Cut of posthole
764	Fill	765	Light red silty clay
765	Cut		Cut of ditch terminal
766	Fill	767	Mid grey silty clay. Fe rich
767	Cut		Cut of ditch
768	Fill	769	Mid grey silty clay. Frequent charcoal
769	Cut		Cut of posthole

770	Fill	771	Dark grey silty clay. Frequent charcoal
771	Cut		Cut of posthole
772	Fill	773	Mid yellow grey
773	Cut		Cut of postpipe
774	Fill	773	Mid grey silty clay.. Frequent charcoal
775	Fill	776	Mid grey clay. Occasional stones
776	Cut		Cut of pit
777	Fill	778	Mid blue grey silty clay. Fe rich
778	Cut		Cut of ditch terminal
779	Fill	780	Mid orange brown silty clay
780	Cut		Cut of gully terminal
781	Fill	782	Mid orange brown silty clay
782	Cut		Cut of gully
783	Fill	786	Mid orange brown sandy silt
784	VOID		
785	Fill	786	Mid blue grey clay. Frequent stones
786	Cut		Cut of pit
787	Fill	788	Mid blue grey silty clay. Occasional stone
788	Cut		Cut of pit (recut of 790)
789	Fill	798	Mid grey silty clay. Fe rich
790	Cut		Cut of pit
791	Fill	792	Mid blue grey clay
792	Cut		Cut of pit
793	Fill	796	Dark grey silty sand. Frequent charcoal
794	Fill	796	Light grey clay
795	Fill	796	Dark grey silty sand. Frequent charcoal
796	Cut		Cut of pit
797	Fill	798	Dark grey clay silt. Occasional stone
798	Cut		Cut of gully
799	Fill	800	Mid blue grey clay. Fe rich
800	Cut		Cut of enclosure ditch
801	Fill	802	Mid blue grey clay. Occasional stone
802	Cut		Cut of gully terminal
803	Fill	805	Mid orange brown silty clay. Charcoal flecking
804	Fill	805	Light grey clay
805	Cut		Cut of pit
806	Fill	808	Mid grey orange silty clay. Occasional stone
807	Fill	808	Dark orange brown silty sand. Frequent stone
808	Cut		Cut of posthole
809	Fill	810	Mid orange brown silty clay. Occasional stone
810	Cut		Cut of pit

811	Fill	813	Mid orange brown silty clay. Occasional stone
812	Fill	813	Dark orange brown silty clay
813	Cut		Cut of posthole
814	Fill	815	Dark brown clay sand, Charcoal flecking
815	Cut		Cut of pit
816	Fill	817	Dark grey clay sand. Frequent stone
817	Cut		Cut of gully
818	Fill	820	Mid blue grey clay. Fe rich
819	Fill	820	Mid blue grey clay. Occasional stone
820	Cut		Cut of enclosure ditch
821	Fill	822	Mid reddish grey silty clay. Frequent charcoal
822	Cut		Cut of posthole
823	Fill	827	Dark brown silty clay. Frequent charcoal
824	Fill	827	Mid orange brown silty clay. Occasional stone
825	Fill	827	Mid orange brown silty clay
826	Fill	827	Light grey silty clay
827	Cut		Cut of pit
828	Fill	830	Dark grey silty clay. Occasional stone
829	Fill	830	Mid grey silty clay. Frequent charcoal
830	Cut		Cut of rake out pit
831	Fill	836	Dark grey brown silty clay
832	Fill	836	Mid orange clay. Frequent charcoal & fired clay
833	Fill	836	Very dark grey clay silt. Abundant charcoal
834	Structure		E wall of corn drier
835	Structure		W wall of corn drier
836	Cut		Construction cut for corn drier
837	Group		Corn drier group number
838	Fill	839	Dark grey clay silt. Frequent charcoal flecking
839	Cut		Cut of posthole
840	Fill	841	Dark grey silty clay. Occasional stone
841	Cut		Cut of posthole
842	Fill	843	Dark grey brown silty clay
843	Cut		Cut of posthole
844	Fill	846	Very dark brown clay silt. Abundant charcoal
845	Fill	846	Mid brown silty clay
846	Cut		Cut of pit
847	Fill	849	Mid yellowish grey clay sand. Abundant stone
848	Fill	849	Dark grey brown clay sand, Frequent stone
849	Cut		Cut of posthole
850	Cut		Cut of posthole
851	Cut		Cut of posthole

852	Fill	854	Mid reddish brown clay silt. Occasional stone
853	Fill	854	Mid blue grey clay
854	Cut		Cut of enclosure ditch
855	Fill	856	Mid blue grey silty clay
856	Cut		Cut of gully
857	Fill	858	Mid orange grey silty clay.
858	Cut		Cut of gully
859	Fill	860	Mid orange brown silty clay
860	Cut		Cut of gully terminal
861	Fill	862	Mid orange brown silty clay
862	Cut		Cut of ditch
863	Fill	864	Mid orange grey silty clay. Frequent stone
864	Cut		Cut of ditch
865	Fill	867	Mid brown grey silty clay. Fe rich
866	Fill	867	Light blue grey clay. Frequent stone
867	Cut		Cut of ditch
868	Fill	869	Stone
869	Cut		Cut of bell pit
870	Fill	872	Mid grey brown silty clay. Occasional stone
871	Fill	872	mid orange grey clay. Occasional stone
872	Cut		Cut of ditch
873	Fill	877	Mid grey brown silty clay. Occasional stone
874	Fill	877	Light yellowish brown silty clay
875	Fill	877	Mid brown grey clay silt
876	Fill	877	Dark brown grey clay silt
877	Cut		Cut of boundary ditch
878	Fill	879	Mid brown grey silty clay
879	Cut		Cut of ditch
880	Fill	884	Mid yellow brown silty clay
881	Fill	884	Mid yellow brown silty clay
882	Fill	884	Mid grey brown silty clay
883	Fill	884	Mid grey clay
884	Cut		Cut of ditch
885	Fill	886	Mid grey clay silt. Abundant stone
886	Cut		Cut of pit
887	Fill	888	Mid reddish brown clay silt. Occasional stone
888	Cut		Cut of boundary ditch
889	Fill	891	Mid grey brown clay silt
890	Fill	891	Mid blue grey clay
891	Cut		Cut of ditch
892	Cut		Cut of ditch

893	Cut		Cut of gully
894	Fill	895	Mid grey brown sandy silt
895	Cut		Cut of enclosure ditch
896	Fill	897	Mid reddish brown silty clay
897	Cut		Cut of gully
898	VOID		
899	Fill	893	Light grey brown clay silt
900	Fill	901	Fill of furrow
901	Cut		Cut of furrow
902	Fill	903	Fill of furrow
903	Cut		Cut of furrow
904	Fill	905	Fill of furrow
905	Cut		Cut of furrow
906	Fill	907	Mid brown clay silt
907	Cut		Cut of gully
908	Cut		Cut of gully
909	Fill	908	Mid grey brown silt. Occasional stones
910	Fill	911	Mid grey brown silty clay
911	Cut		Cut of gully
912	Fill	913	Mid orange brown clay silt
913	Cut		Cut of gully terminal
914	Fill	915	Mid brown silty clay. Occasional stone
915	Cut		Cut of ditch
916	Fill	917	Mid grey silty clay
917	Cut		Cut of pit
918	Fill	919	Mid grey brown silty clay. Occasional stone
919	Cut		Cut of gully
920	Fill	921	Mid grey brown silty clay. Occasional stone
921	Cut		Cut of gully
922	Fill	923	Mid grey brown silty clay
923	Cut		Cut of gully
924	Fill	925	Mid brown silty clay
925	Cut		Cut of ditch
926	Fill	927	Mid brown clay silt
927	Cut		Cut of ditch
928	Fill	929	Dark brown clay silt. Occasional stone
929	Cut		Cut of pit
930	Fill	932	Mid grey brown silty clay
931	Fill	932	Mid grey brown silty clay
932	Cut		Cut of posthole
933	Fill	934	Mid grey brown clay silt. Occasional stone

934	Cut		Cut of gully
935	Fill	892	Mid brown silty clay
936	Fill	892	Mid grey brown silty clay
937	Fill	892	Light grey cilty clay. Occasional stone
938	Fill	892	Mid orange brown silty clay
939	Fill	940	Mid grey clay
940	Cut		Cut of posthole
941	Fill	942	Mid grey brown silty clay
942	Cut		Cut of gully
943	Fill	944	Mid grey silt
944	Cut		Cut of ditch
945	Fill	946	Mid brown grey clay silt
946	Cut		Cut of gully
947	Deposit		Modern deposit
948	Deposit		Modern deposit
949	Deposit		Modern deposit
950	Fill	951	Mid grey brown clay silt
951	Cut		Cut of possible gully
952	Fill	955	Mid orange brown silty clay. Occasional stone
953	Fill	955	Light yellowish brown silty clay. Frequent stone
954	Fill	955	Mid grey brown silty clay
955	Cut		Cut of ditch
956	Fill	957	Mid brown silty clay
957	Cut		Cut of gully
958	Fill	959	Mid grey brown silty clay
959	Cut		Cut of ditch
960	Fill	967	Dark grey brown clay silt. Charcoal flecking
961	Fill	967	Mid orange brown silty clay. Abundant stone
962	Fill	967	Mid brown clay silt. Frequent stone
963	Fill	967	Mid orange silty clay Charcoal fleckiing
964	Fill	967	Mid grey clay silt
965	Fill	967	Mid orange grey silty clay
966	Fill	967	Light orange brown silty clay
967	Cut		Cut of ditch terminal
968	Fill	969	Dark brown clay silt
969	Cut		Cut of gully
970	Fill	971	Dark grey brown silt
971	Cut		Cut of posthole
972	Fill	977	Dark grey clay silt. Occasional stone
973	Fill	977	Mid grey brown clay silt. Occasional stone
974	Fill	977	Mid orange brown silty clay. Frequent stone

975	Fill	977	Mid orange grey silty clay
976	Fill	977	Light grey brown silty clay
977	Cut		Cut of ditch terminal
978	Fill	979	Mid brown silty clay
979	Cut		Cut of gully
980	Fill	981	Mid orange brown silty clay
981	Cut		Cut of gully
982	Fill	983	Light grey silt
983	Cut		Cut of gully terminal
984	Fill	985	Dark grey silt
985	Cut		Cut of gully
986	Fill	988	Mid blue grey clay. Occasional stone
987	Fill	988	Mid reddish brown silty clay. Frequent stone
988	Cut		Cut of ditch
989	Fill	990	Mid grey brown clay silt
990	Cut		Cut of gully
991	Fill	977	Mid brown clay silt
992	Fill	996	Mid grey brown silty clay
993	Fill	996	Mid brown grey clay. Occasional stone
994	Fill	996	Mid orange grey clay. Occasional stone
995	Fill	996	Light blue grey clay. Frequent stone
996	Cut		Cut of boundary ditch
997	Fill	998	Dark grey silty clay
998	Cut		Cut of pit
999	Fill	1000	Dark grey silty clay
1000	Cut		Cut of pit
1001	Fill	1002	Mid grey clay silt
1002	Cut		Cut of pit
1003	Fill	1006	Light grey clay silt
1004	Fill	1006	Mid brown grey clay silt. Occasional stone
1005	Fill	1006	Mid grey clay silt. Charcoal flecking
1006	Cut		Cut of ditch
1007	Fill	1009	Light grey brown sandy silt
1008	Fill	1009	Light brown sandy silt
1009	Cut		Cut of gully
1010	Fill	1017	Light grey silty clay
1011	Fill	1017	Light grey silty clay
1012	Fill	1017	Light grey silty clay
1013	Fill	1017	Mid blue grey sandy sily
1014	Fill	1017	Light grey silty clay
1015	Fill	1017	Mid blue grey silty clay

1016	Fill	1017	Dark orange brown silty clay
1017	Cut		Cut of enclosure ditch
1018	Fill	1019	Mid orange brown silty clay
1019	Cut		Cut of ditch
1020	Fill	1024	Mid brown grey silty clay. Occasional stone
1021	Fill	1024	Mid orange grey silty clay
1022	Fill	1024	Light grey clay. Occasional clay
1023	Fill	1024	Dark orange grey silty clay
1024	Cut		Cut of ditch
1025	Fill	1026	Mid brown grey silty clay. Occasional stone
1026	Cut		Cut of ditch
1027	Fill	1032	Mid grey brown silty clay
1028	Fill	1032	Mid orange brown silty clay
1029	Fill	1032	Mid orange grey silty clay
1030	Fill	1032	Light grey clay
1031	Fill	1032	Mid orange grey silty clay
1032	Cut		Cut of ditch
1033	Deposit		Modern deposit
1034	Fill	1037	Light blue grey silty clay
1035	Fill	1037	Light yellow brown silty clay
1036	Fill	1037	Light grey silty clay
1037	Cut		Cut of ditch
1038	Fill	1042	Mid grey clay silt. Occasional stone
1039	Fill	1042	Mid brown grey clay silt
1040	Fill	1042	Mid yellowish grey silty clay. Charcoal flecking
1041	Fill	1042	Light grey brown silty clay
1042	Cut		Cut of ditch
1043	Fill	1046	Mid grey brown clay silt
1044	Fill	1046	Mid grey silty clay
1045	Fill	1046	Light orange grey silty clay
1046	Cut		Cut of ditch
1047	Fill	1048	Mid brown silty clay
1048	Cut		Cut of pit
1049	Fill	1052	Mid reddish brown silty clay. Occasional stone
1050	Fill	1052	Mid grey brown silty clay
1051	Fill	1052	Light orange grey clay
1052	Cut		Cut of ditch
1053	Fill	1055	Mid grey brown silty clay
1054	Fill	1055	Mid reddish brown silty clay
1055	Cut		Cut of ditch
1056	Fill	1057	Mid brown grey clay silt

1057	Cut		Cut of gully
1058	Fill	1064	Dark blue grey clay silt
1059	Fill	1064	Light brown grey clay silt
1060	Fill	1063	Mid orange grey clay silt
1061	Fill	1063	Mid blue grey silty clay
1062	Fill	1063	Light grey orange silty clay
1063	Cut		Cut of ditch
1064	Cut		Cut of ditch
1065	Fill	1071	Mid grey brown clay silt
1066	Fill	1071	Light yellowish brown silty clay
1067	Fill	1071	Mid brown grey silty clay
1068	Fill	1071	Mid blue grey clay
1069	Fill	1071	Mid orange brown silty clay
1070	Fill	1071	Mid orange grey clay
1071	Cut		Cut of ditch
1072	Fill	1073	Mid grey silty clay. Occasional stone
1073	Cut		Cut of ditch
1074	Fill		Mid yellowish grey clay
1075	Cut		Cut of gully
1076	Fill	925	Light grey clay
1077	Fill	925	Mid orange brown
1078	Fill	927	Mid brown grey clay silt
1079	Fill	927	Light blue grey clay silt
1080	Fill	1081	Mid grey brown clay
1081	Cut		Cut of ditch
1082	Fill	1083	Mid grey brown clay. Occasional stone
1083	Cut		Cut of gully
1084	Fill	1086	Mid grey orange clay silt. Charcoal flecking
1085	Fill	1086	Mid grey silty clay. Occasional stone
1086	Cut		Cut of ditch
1087	Fill	1088	Light grey clay silt
1088	Cut		Cut of gully
1089	Fill	1090	Light grey clay silt
1090	Cut		Cut of gully
1091	Fill	1092	Light grey brown sandy clay
1092	Cut		Cut of ditch
1093	Fill	1095	Dark grey brown sandy clay
1094	Fill	1095	Light orange grey silty clay
1095	Cut		Cut of gully
1096	Fill	1097	Mid orange brown silty clay
1097	Cut		Cut of gully

1098	Fill	1102	Mid grey brown silty clay. Occasional stone
1099	Fill	1102	Mid brown silty clay
1100	Fill	1102	Mid grey silty clay
1101	Fill	1102	Light orange grey silty clay
1102	Cut		Cut of ditch terminal
1103	Fill	1104	Mid grey brown
1104	Cut		Cut of posthole
1105	Fill	1106	Mid grey brown clay silt
1106	Cut		Cut of posthole
1107	Fill	1110	Mid brown silty clay
1108	Fill	1110	Mid grey brown silty clay
1109	Fill	1110	Mid grey clay
1110	Cut		Cut of ditch
1111	Fill	1112	Mid grey silty clay
1112	Cut		Cut of ditch
1113	Fill	1117	Very dark brown clay silt
1114	Fill	1117	Mid grey clay silt
1115	Fill	1117	Mid orange grey clay silt
1116	Fill	1117	Light blue grey clay. Occasional stone
1117	Cut		Cut of ditch
1118	Fill	1120	Mid grey brown clay silt. Occasional stone
1119	Fill	1120	Mid grey brown clay
1120	Cut		Cut of ditch
1121	Fill	1112	Mid grey silty clay
1122	Fill	1126	Mid grey brown silty clay
1123	Fill	1126	Light grey silty clay
1124	Fill	1126	Light orange grey sandy clay
1125	Fill	1126	Pale grey brown silty clay
1126	Cut		Cut of ditch
1127	Fill	1129	Mid grey brown silty clay
1128	Fill	1129	Light orange brown silty clay
1129	Cut		Cut of ditch
1130	Fill	1131	Mid grey brown clay silt
1131	Cut		Cut of posthole
1132	Fill	1133	Mid grey brown clay silt
1133	Cut		Cut of posthole
1134	Fill	1126	Mid grey brown silty clay. Occasional stone
1135	Fill	1129	Mid grey brown silty clay. Occasional stone
1136	Fill	1139	Mid brown silty clay
1137	Fill	1139	Mid brown grey silty clay
1138	Fill	1139	Mid orange grey silty clay

1139	Cut		Cut of ditch
1140	Fill	1142	Mid orange brown silty clay
1141	Fill	1142	Mid grey brown silty clay
1142	Cut		Cut of ditch
1143	Fill	1148	Mid grey brown silty clay. Occasional stone
1144	Fill	1148	Mid yellow brown silty clay
1145	Fill	1148	Dark orange grey clay
1146	Fill	1148	Dark blue grey silty clay
1147	Fill	1148	Mid orange grey silty clay. Occasional stone
1148	Cut		Cut of ditch terminal
1149	Fill	1148	Dark grey silt. Frequent charcoal
1150	Fill	1151	Mid grey brown silty clay
1151	Cut		Cut of gully
1152	Fill	1154	Mid grey brown clay silt
1153	Fill	1154	Mid grey clay
1154	Cut		Cut of ditch
1155	Fill	1157	Mid brown silty clay. Occasional stone
1156	Fill	1157	Mid brown grey silty clay
1157	Cut		Cut of ditch
1158	Fill	1161	Dark orange grey silty clay. Occasional stone
1159	Fill	1161	Mid orange grey silty clay. Occasional stone
1160	Fill	1161	Light blue grey clay silt
1161	Cut		Cut of ditch terminal
1162	Fill	1165	Mid grey brown clay silt
1163	Fill	1165	Mid orange grey silty clay. Frequent stone
1164	Fill	1165	Light blue grey clay silt. Occasional stone
1165	Cut		Cut of ditch
1166	Fill	1168	Mid orange grey clay silt. Occasional stone
1167	Fill	1168	Mid grey brown silty clay. Occasional stone
1168	Cut		Cut of ditch
1169	Fill	1170	Mid orange brown silty clay
1170	Cut		Cut of gully
1171	Fill	1173	Mid brown grey silty clay
1172	Fill	1173	Mid grey clay. Occasional stone
1173	Cut		Cut of ditch
1174	Fill	1176	Mid grey clay silt
1175	Fill	1176	Light grey clay silt. Occasional stone
1176	Cut		Cut of ditch
1177	Fill	1179	Mid grey brown silty clay. Charcoal flecking
1178	Fill	1179	Mid grey brown silty clay. Charcoal flecking
1179	Cut		Cut of ditch

1180	Fill	1181	Mid orange grey silty clay. Frequent stone
1181	Cut		Cut of ditch
1182	Fill	1183	Mid grey brown silty clay
1183	Cut		Cut of ditch
1184	Fill	1185	Mid grey blue silty clay. Fe rich
1185	Cut		Cut of ditch
1186	Fill	1187	Mid blue grey clay sand. Frequent stone
1187	Cut		Cut of ditch
1188	Fill	1190	Mid orange grey clay silt
1189	Fill	1190	Light blue grey silt
1190	Cut		Cut of ditch
1191	Fill	1194	Mid grey brown silty clay. Occasional stone
1192	Fill	1194	Mid blue grey silty clay. Fe rich
1193	Fill	1194	Mid reddish brown clay
1194	Cut		Cut of boundary ditch
1195	Fill	1197	Mid grey brown sandy clay. Occasional stone
1196	Fill	1197	Light grey brown silty clay
1197	Cut		Cut of ditch
1198	Fill	1199	Mid grey brown silty clay. Frequent stone
1199	Cut		Cut of ditch
1200	Fill	1201	Light orange grey silty clay
1201	Cut		Cut of gully
1202	VOID		
1203	VOID		
1204	VOID		
1205	VOID		
1206	VOID		
1207	VOID		
1208	Fill	1211	Dark reddish brown sandy clay. Occasional stone
1209	Fill	1211	Red grey brown silty clay
1210	Fill	1211	Light grey silty clay. Frequent charcoal
1211	Cut		Cut of enclosure ditch
1212	Fill	1215	Mid grey brown sandy clay
1213	Fill	1215	Mid yellow brown silty clay
1214	Fill	1215	Light blue grey clay silt
1215	Cut		Cut of ditch
1216	Fill	1218	Mid orange grey silty clay
1217	Fill	1218	Mid brown silty clay
1218	Cut		Cut of ditch
1219	Fill	1220	Mid brown grey sandy clay
1220	Cut		Cut of ditch

1221	Fill	1223	Mid brown grey sandy clay
1222	Fill	1223	Light grey silty clay
1223	Cut		Cut of ditch
1224	Fill	1227	Mid grey brown silty clay. Occasional stone
1225	Fill	1227	Mid orange brown clay silt. Frequent stone
1226	Fill	1227	Light grey clay silt
1227	Cut		Cut of ditch
1228	Fill	1231	Mid orange brown silty clay
1229	Fill	1231	Mid yellow brown silty clay. Abundant stone
1230	Fill	1231	Dark orange brown silty clay
1231	Cut		Cut of ditch
1232	Fill	1234	Dark orange brown clay silt
1233	Fill	1234	Mid grey brown silty clay. Frequent stone
1234	Cut		Cut of pit
1235	Fill	1236	Dark grey brown silty clay
1236	Cut		Cut of gully
1237	Fill	1239	Mid orange brown silty clay. Occasional stone
1238	Fill	1239	Dark grey sandy clay. Occasional stone
1239	Cut		Cut of ditch
1240	Fill	1241	Mid grey brown silty clay
1241	Cut		Cut of ditch
1242	Fill		Dark brown silt
1243	Structure		Well
1244	Fill	1245	Mid reddish brown clay
1245	Cut		Construction cut for well
1246	Structure		Bath house
1247	Fill	1251	Dark grey brown silty clay
1248	Fill	1250	Very dark brown clay silt
1249	Structure		Wall butting against 1246
1250	Cut		Cut of pit
1251	Cut		Cut of soakaway
1252	Fill	1254	Mid grey brown silty clay. Occasional stone
1253	Fill	1254	Mid grey clay
1254	Cut		Cut of ditch
1255	Fill	1256	Mid brown grey clay
1256	Cut		Cut of ditch
1257	Fill	1259	Mid orange grey silty clay. Occasional stone
1258	Fill	1259	Mid grey clay
1259	Cut		Cut of ditch
1260	Fill	1262	Mid grey clay
1261	Fill	1262	Mid yellow grey clay

1262	Cut		Cut of ditch
1263	Fill	1264	Mid brown grey clay. Occasional stone
1264	Cut		Cut of ditch
1265	Fill	1266	Mid brown grey clay
1266	Cut		Cut of ditch
1267	Fill	1268	Mid brown clay
1268	Cut		Cut of ditch
1269	Fill	1270	Mid grey brown silty clay
1270	Cut		Cut of gully
1271	Fill	1272	Mid brown grey silty clay
1272	Cut		Cut of ditch

APPENDIX 2

City Fields (Phase II, W Area)

Site Code: 05.31.17

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146	223-224	1:20	Plan of Pit [224]
147	227-229	1:10	E Facing Section of Pit [229]
148	227-229	1:20	Plan of Pit [229]
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151	230-231	1:20	Plan of Gully Terminal [231]
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Drawing No.	Context No.	Scale	Description
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195	289	1:20	Plan of Stakehole [289]
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199	292-293	1:20	Plan of tree bowl, Pit [293] and Furrow
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201	294-297	1:20	Plan of Pit [297]
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214	311-313	1:10	W Facing Section of Gully Terminal [313]
215	311-313	1:20	Plan of Gully Terminal [313]
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217	315	1:20	Plan of Pit [315]
218	316-317	1:10	Section of Pit [317]
219	317	1:20	Plan of Pit [317]
220	318-319	1:10	Section of Pit [319]
221	319	1:20	Plan of Pit [319]
222	320-321	1:20	Section of Pit [321]
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313	448-451	1:10	E Facing Section of Ditch [451]
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349	525-530	1:10	S Facing Section of Postholes [526], [528] and [530]
350	531-536	1:10	SW Facing Section of Pit [534] and Posthole [536]
351	537-538	1:10	NW Facing section of Posthole [538]
352	539-540	1:10	NW Facing Section of Posthole [540]
353	542	1:10	N Facing Profile of Posthole [542]
354	543-544	1:10	W Facing Section of Posthole [544]
355	545-550	1:10	S Facing Section of Postholes [546], [548] and [550]
356	551-552	1:10	N Facing Profile of Posthole [552]
357	553-554	1:10	NW Facing Section of Posthole [554]
358	555-556	1:10	SW Facing Profile of 'Posthole' [556]
359	555-556	1:10	S Facing Section of 'Posthole' [556]
360	557-558	1:10	S Facing Section of Pit [558]
361	557-558	1:20	Plan of Pit [558]
362	559-560	1:10	S Facing Section of Posthole [560]
363	562	1:10	N Facing Profile of Posthole [562]
364	564	1:10	N Facing Profile of Posthole [564]
365	566	1:10	N Facing Profile of Posthole [566]
366	568	1:10	E Facing Profile of Posthole [568]
367	570	1:10	E Facing Profile of Posthole [570]
368	571-572	1:10	NNE Facing Section of Posthole [572]
369	573-574	1:10	N Facing Section of Posthole [574]
370	575-576	1:10	N Facing Section of Posthole [576]
371	577-578	1:10	N Facing Section of Posthole [578]
372	579-582	1:10	E Facing Section of Postholes [580] and [582]
373	583-588	1:10	NE Facing Section of Postholes [584] and [588]
374	587-588	1:10	SE Facing Section of Posthole [588]
375	589-590	1:10	SSW Facing Section of Posthole [590]
376	591-592	1:10	NE Facing Section of Pit [592]
377	591-592	1:20	Plan of Posthole [592]

Drawing No.	Context No.	Scale	Description
378	593-594	1:10	E-Facing Section of Pit [594]
379	595-596	1:10	NE Facing Section of Posthole [596]
380	597-598	1:10	SE Facing Section of Pit [598]
381	599-600	1:10	SE Facing Section of Posthole [600]
382	600-602	1:10	N Facing Section of Posthole [602]
383	603-606	1:10	NNE Facing Section of Posthole [606] and Postpipe [604]
384	607-608	1:10	N Facing Section of Posthole [608]
385	609-610	1:10	NNW Facing Section of Posthole [610]
386	611-613	1:10	W Facing Section of Gully/Ditch [613]
387	611-613	1:20	Plan of Gully/Ditch [613]
388	614-615	1:10	NE Facing Section of Ditch [615]
389	614-615	1:20	Plan of Ditch [615]
390	616-617	1:10	NE Facing Section of Ditch [617]
391	616-617	1:20	Plan of Ditch [617]
392	618-619	1:10	NE Facing Section of Ditch [619]
393	618-619	1:20	Plan of Ditch [619]
394	620-621	1:10	Section of Gully [620]
395	622-623	1:10	E Facing Section of Gully [622]
396	624-625	1:10	N Facing Section of Gully [625]
397	620,622,624,469,471	1:20	Plan of Gully Segments [620], [622] and [624]
398	467	1:20	Plan of Gully Segment [467]
399	626	1:10	N Facing Section of Pit [626]
400	628	1:10	S Facing Section of Pit [628]
401	626, 628	1:20	Plan of Pits [626] and [628]
402	630	1:10	N Facing Section of Ditch [630]
403	630	1:20	Plan of Ditch [630]
404	635	1:10	N Facing Section of Posthole [635]
405	637	1:10	N Facing Section of Posthole [637]
406	639	1:10	N Facing Section of Pit [639]
407	641	1:10	N Facing Section of Pit [641]
408	643	1:10	N Facing Section of Pit [643]
409	645	1:10	N Facing Section of Pit [645]
410	647	1:10	N Facing Section of Pit [647]
411	649	1:10	N Facing section of Pit [649]
412	586	1:10	E Facing Profile of Posthole [586]
413	651-656	1:10	S Facing Section of Pit [656]
414	651-656	1:20	Plan of Pit [656]
415	660	1:20	Plan of Pit [660]
416	654-660	1:10	SE Facing Section of Pit [660]
417	661-664	1:10	Section of Gully [662] and [664]
418	662, 664	1:20	Plan of Gully [662] and [664]
419	665	1:10	W Facing Section of Pit [665]
420	667-668	1:10	N Facing section of Posthole [667]

Drawing No.	Context No.	Scale	Description
421	667-668	1:20	Plan of possible Posthole [592]
422	669-672	1:10	S Facing Section of Gully [672] and Furrow [670]
423	669-672	1:20	Plan of Gully [672] and Furrow [670]
424	673-675	1:10	N Facing Section of Ditch [675]
425	673-675	1:20	Plan of Ditch [675]
426	676-677	1:10	N Facing Section of Ditch [677]
427	676-677	1:20	Plan of Ditch [677]
428	678	1:10	E Facing Section of Pit [678]
429	678	1:20	Plan of Pit [678]
430	685-687	1:10	W Facing Section of Gully [687]
431	685-687	1:10	N Facing Section of Gully [687]
432	685-687	1:20	Plan of Gully [687]
433	688-689	1:10	NE Facing Section of Ditch [689]
434	688-689	1:20	Plan of Ditch [689]
435	690-692	1:10	NE Facing Section of Ditch [692]
436	690-692	1:20	Plan of Ditch [692]
437	693-695	1:10	NE Facing Section of Ditch [695]
438	693-695	1:20	Plan of Ditch [695]
439	696-699	1:10	Section of Pits [697] and [699]
440	696-699	1:20	Plan of Pits [697] and [699]
441	700-701	1:10	NE Facing Section of Ditch [701]
442	700-701	1:20	Plan of Ditch [701]
443	702-703	1:10	NE Facing Section of Ditch [703]
444	702-703	1:20	Plan of Ditch [703]
445	704-705	1:10	SW Facing Section of Ditch Terminal [705]
446	706-707	1:10	NE Facing Section of Vessel [707] and fill [706]
447	706-707	1:10	Plan of Vessel [707] Half-excavated
448	707	1:10	Plan of Vessel [707] Fully-excavated
449	707	1:10	Vessel [707], Overlay Plan of fragments
450	711, 713	1:10	SE Facing Section of Ditches [711] and [713]
451	711, 713	1:20	Plan of Ditch Cuts [711] and [713]
452	714-716	1:20	NW Facing Section of Ditch [716]
453	714-716	1:20	Plan of Ditch [716]
454	717-723	1:10	NE Facing Section of Ditches [717] and [723]
455	717-723	1:20	Plan of Ditches [717] and [723]
456	727-729	1:10	N Facing Section of Ditch [729]
457	727-729	1:20	Plan of Ditch [729]
458	724-726	1:10	SW Facing Section of Ditch [726]
459	724-726	1:20	Plan of Ditch [726]
460	730-732	1:10	N Facing Section of Ditch [732]
461	730-732	1:20	Plan of Ditch [732]
462	733-735	1:10	NE Facing Section of Ditch [735]
463	733-735	1:20	Plan of Ditch [735]

Drawing No.	Context No.	Scale	Description
464	736-738	1:10	SE Facing Section of Ditch Terminal [738]
465	736-738	1:10	NE Facing Section of Ditch Terminal [738]
466	736-738	1:20	Plan of Ditch Terminal [738]
467	739-741	1:10	NE Facing Section of Ditch [741]
468	739-741	1:20	Plan of Ditch [741]
469	742-743	1:10	NE Facing Section of Ditch [743]
470	742-743	1:20	Plan of Ditch [743]
471	744-746	1:10	NE Facing Section of Ditch [746]
472	744-746	1:20	Plan of Ditch [746]
473	747-748	1:10	SW Facing Section of Ditch [748]
474	747-748	1:20	Plan of Ditch [748]
475	749-750	1:10	E Facing Section of Gully [750]
476	749-750	1:10	S Facing Section of Gully [750]
477	749-750	1:20	Plan of Gully [750]
478	751-753	1:10	N Facing Section of Pit [750]
479	751-753	1:20	Plan of Pit [753]
480	754-755	1:10	E Facing Section of Pit [755]
481	754-755	1:20	Plan of Pit [755]
482	756-757	1:10	SE Facing Section of Ditch [757]
483	756-757	1:20	Plan of Ditch [757]
484	758-759	1:10	SE Facing Section of Ditch [759]
485	758-759	1:20	Plan of Ditch [759]
486	760-761	1:10	NE Facing Section of Pit [761]
487	762-763	1:10	N Facing Section of Stakehole [763]
488	761, 763	1:20	Plan of Pit [761] and Stakehole [763]
489	764-765	1:10	E Facing Section of Ditch Terminal [765]
490	764-765	1:20	Plan of Ditch Terminal [765]
491	766-767	1:10	SE Facing Section of Ditch [767]
492	766-767	1:20	Plan of Ditch [767]
493	837	1:20	Plan of Structure [837]
494	784-786	1:20	Plan of Pit [786] (same as [507])
495	771, 769	1:10	NE Facing Section of Postholes [771] and [769]
496	772-774	1:10	NE Facing Section Posthole [773]
497	769,771,773,796	1:20	Plan of Postholes [769], [771], [773] and [796]
498	775-776	1:10	SE Facing Section of Pit [776]
499	775-776	1:20	Plan of Pit [776]
500	777-778	1:10	S Facing Section of Ditch Terminal [778]
501	777-778	1:20	Plan of Ditch Terminal [778]
502	779-780	1:10	N Facing Section of Ditch Terminal [780]
503	780	1:20	Plan of Ditch Terminal [780]
504	781-782	1:10	E Facing Section of Gully [782]
505	782	1:20	Plan of Gully [782]
506	783-786	1:10	SE Facing Section of Pit [786]

Drawing No.	Context No.	Scale	Description
507	783-786	1:20	Plan of Pit [786]
508	787-790	1:10	SE Facing Section of Pits [788] and [790]
509	787-790	1:20	Plan of Pit [790]
510	791-792	1:10	SE Facing Section of Pit [792]
511	791-792	1:20	Plan of Pit [792]
512	793-796	1:10	S Facing Section of Posthole [796]
513	797-798	1:10	W Facing Section of Gully [798]
514	797-798	1:10	S Facing Section of Gully [798]
515	797-798	1:20	Plan of Gully [798]
516	799-800	1:10	NE Facing Section of Ditch [800] and Furrow
517	799-800	1:20	Plan of Ditch [800] and Furrow
518	801-802	1:10	NE Facing Section of Ditch Terminal [802]
519	801-802	1:20	Plan of Ditch Terminal [802]
520	803-808	1:10	N Facing Section of Pits [805] and [808]
521	809-810	1:10	E Facing Section Pit [810]
522	811-813	1:10	NW Facing Section Posthole
523	814-815	1:10	NE Facing Section of Pit [815]
524	814-815	1:20	Plan of Pit [815]
525	818-820	1:10	SE Facing Section of Ditch [820]
526	818-820	1:20	Plan of Ditch [820]
527	837	1:10	W Facing Section of Structure [837]
528	837	1:10	N Facing Section of Structure [837]
529	837	1:10	S Facing Section of Structure [837]
530	837	1:10	N Facing Section of Structure [837]
531	837	1:10	E Facing Section of Structure [837]
532	837	1:10	N Facing Section of Structure [837]
533	837	1:10	W Facing Section of Structure [837]
534	837	1:10	S Facing Section of Structure [837]
535	837	1:10	N Facing Section of Structure [837]
536	837	1:10	W Facing Section of Structure [837]
537	837	1:20	Plan of Structure [837]
538	837	1:10	W Facing Section of Structure [837]
539	837	1:10	W Facing Section of Posthole
540			Void
541	837	1:10	S Facing Section of Structure [837]
542	837	1:10	E Facing Section of Structure [837]
543	837	1:10	N Facing Section of Structure [837]
544	837	1:10	N Facing Profile of Structure [837]
545	823-827	1:10	N Facing Section of Pit [827]
546	827	1:20	Plan of Pit [827]
547	816-817	1:10	E Facing Section of Gully [817]
548	816-817	1:10	S Facing section of Gully [817]
549	816-817	1:20	Plan of Gully [817]

Drawing No.	Context No.	Scale	Description
550	838-839	1:10	N Facing Profile of Posthole [839]
551	840-841	1:10	N Facing Profile of Posthole [841]
552	844-846	1:10	NE Facing Section of Pit [846]
553	844-846	1:20	Plan of Pit [846]
554	847-849	1:10	W Facing Section of Posthole [849]
555	850	1:10	N Facing Profile of Posthole [850]
556	851	1:10	NW Facing Profile of Posthole [851]
557	852-854	1:10	SE Facing Section of Ditch [854]
558	852-854	1:20	Plan of Ditch [854]
559	855-856	1:10	NE Facing Section of Ditch [856]
560	856	1:20	Plan of Ditch [856]
561	857-858	1:10	N Facing Section of Ditch [858]
562	858	1:20	Plan of Ditch [858]
563	859-860	1:10	Section of Ditch Terminal [860]
564	860	1:20	Plan of Ditch Terminal [860]
565	861-862	1:10	SE Facing Section of Ditch [862]
566	861-862	1:20	Plan of Ditch [862]
567	863-864	1:10	SE Facing Section of Ditch [864]
568	863-864	1:20	Plan of Ditch [864]
569	865-867	1:10	E Facing Section of Ditch [867]
570	865-867	1:20	Plan of Ditch [867]
571	868-869	1:10	NW Facing Section of Pit [869]
572	868-869	1:20	Plan of Pit [869]
573	870-877	1:10	NE Facing Section of Ditches [872] and [877]
574	872, 877	1:20	Plan of Ditches [872] and [877]
575	879, 884	1:10	Section of Ditches [879] and [884]
576	879, 884	1:20	Plan of Ditches [879] and [884]
577	885-886	1:10	S Facing Section of Pit [886]
578	886	1:20	Plan of Pit [886]
579	887-888	1:10	NE Facing section of Ditch [888]
580	888	1:20	Plan of Pit [888]
581	889-891	1:10	SE Facing Section of Ditch [891]
582	889-891	1:20	Plan of Ditch [891]
583	892, 942	1:20	Plan of Ditches [892] and [942]
584	893	1:20	Plan of Gully [893]
585	894-895	1:20	Plan of Ditch [895]
586	894-895	1:10	Section of Ditch [895]
587	898	1:20	Plan of Pit [898]
588	900-901	1:10	Section of Furrow [901]
589	900-901	1:20	Plan of Furrow [901]
590	902-903	1:10	Section of Furrow [903]
591	902-903	1:20	Plan of Furrow [903]
592	904-905	1:10	Section of Furrow [905]

Drawing No.	Context No.	Scale	Description
593	904-905	1:20	Plan of Furrow [905]
594	899, 893	1:10	SW Facing Section of Furrow [893]
595	906-907	1:10	NE Facing Section of Gully [907]
596	906-907	1:20	Plan of Gully [907]
597	908-909	1:10	SW Facing Section of Ditch [908]
598	908-909	1:20	Plan of Ditch [903]
599	896-897	1:10	NW Facing Section of Gully [897]
600	896-897	1:20	Plan of Gully [897]
601	910-911	1:10	Section of Gully [911]
602	910-911	1:20	Plan of Gully [911]
603	912-913	1:10	NW Facing Section of Gully Terminal [913]
604	912-913	1:10	NE Facing Section of Gully Terminal [913]
605	912-913	1:20	Plan of Gully Terminal [913]
606	914-915	1:10	NE Facing Section of Ditch [915]
607	914-915	1:10	SE Facing Section of Ditch [915]
608	914-915	1:20	Plan of Ditch [915]
609	918-921	1:10	W Facing Section of Ditches [919] and [921]
610	918-921	1:20	Plan of Ditches [919] and [921]
611	922-923	1:10	W Facing Section of Gully [923]
612	922-923	1:20	Plan of Gully [923]
613	924-925	1:10	Section of Ditch [925] (redrawn)
614	924-925	1:20	Plan of Ditch [925] (redrawn)
615	926-927	1:10	NE Facing Section of Ditch [927] (redrawn)
616	926-927	1:20	Plan of Ditch [927] (redrawn)
617	928-929	1:10	NE Facing section of Pit [929]
618	928-929	1:20	Plan of Pit [929]
619	930-932	1:10	NE Facing Section of Posthole [932]
620	930-932	1:20	Plan of Posthole [932]
621	933-934	1:10	W Facing Section of Ditch [934]
622	933-934	1:20	Plan of Ditch [934]
623	892, 942	1:10	NE Facing Section of Ditches [892] and [942]
624	940	1:10	SW Facing Section of Posthole [940]
625	943-944	1:10	Section of Ditch [944]
626	943-944	1:20	Plan of Ditch [944]
627	945-946	1:10	Section of Ditch [946]
628	945-946	1:20	Plan of Ditch [946]
629	947-955	1:10	NE Facing Section of Ditch [955]
630	955	1:20	Plan of Ditch [955]
631	956-957	1:10	Section of Ditch [957]
632	956-957	1:20	Plan of Ditch [957]
633	958-959	1:10	N Facing Section of Ditch [959]
634	958-959	1:20	Plan of Ditch [959]
635	960-967	1:10	W Facing Section of Ditch [967]

Drawing No.	Context No.	Scale	Description
636	972-977	1:10	S Facing Section of Ditch [977]
637	967, 977	1:20	Plan of Ditch Terminal [977] and Pit [967]
638	968-969	1:10	SE Facing Section of Ditch [969]
639	968-969, 971	1:20	Plan of Ditch [969] and Posthole [971]
640	968-971	1:10	NW Facing Profile of Ditch [969] and Posthole [971]
641	979, 981	1:10	NW Facing Section of Ditches [979] and [981]
642	978, 981	1:20	Plan of Ditches [979] and [981]
643	982-983, 985	1:10	N Facing Section of Gully [985] and Terminal [983]
644	984-985	1:20	Plan of Gully [985] with Terminal [983]
645	986-988	1:10	NW Facing Section of Ditch [988]
646	986-988	1:20	Plan of Ditch Cut [988]
647	989-990	1:10	NE Facing Section of Ditch [988]
648	989, 990-991	1:10	SW Facing Section of Gully [990] in Ditch [977]
649	996-997	1:10	N Facing Section of Ditch [996]
650	992-996	1:20	Plan of Ditch [996]
651	997-998	1:10	Section of Pit [998]
652	997-998	1:20	Plan of Pit [998]
653	999-1000	1:10	Section of Pit [1000]
654	999-1000	1:20	Plan of Pit [1000]
655	1001-1002	1:10	E Facing Section of Pit [1002]
656	1001-1002	1:20	Plan of Pit [1002]
657	1003-1006	1:10	SE Facing Section of Pit [1006]
658	1003-1006	1:20	Plan of Ditch [1006]
659	1007-1017	1:10	S Facing Section of Gully [1009] and Ditch [1017]
660	1007-1009	1:10	N Facing Section of Gully [1009]
661	1007-1017	1:10	E Facing Section of Ditch [1017]
662	1007-1017	1:10	W Facing Section of Gully [1009] and Ditch [1017]
663	1007-1017	1:20	Plan of Ditch [1017] and Gully [1009]
664	1024, 1026	1:10	NE Facing Section of Ditches [1024] and [1026]
665	1026, 1032	1:10	NW Facing Section of Ditches [1026] and [1032]
666	1027-1032	1:10	SE Facing Section of Ditch [1032]
667	1027-1032	1:10	SW Facing Section of Ditch [1032]
668	1024, 1026	1:10	NW Facing Section of Ditches [1024] and [1026]
669	1024, 1026, 1032	1:20	Plan of Ditches [1024], [1026] and [1032]
670	1038, 1042	1:10	Section of Ditches [1038] and [1042]
671	1038, 1032	1:20	Plan of Ditches [1038] and [1042]
672	1043-1046	1:10	Section of Ditch [1046]
673	1046	1:20	Plan of Ditch [1046]
674	1019	1:10	Section of Ditch [1019]
675	1048	1:10	Section of Pit [1048]
676	1019, 1048	1:20	Plan of Ditch [1019] and Pit [1048]
677	1049-1055	1:10	W Facing Section of Ditches [1052] and [1055]
678	1053-1055	1:10	N Facing Section of Ditch [1055]

Drawing No.	Context No.	Scale	Description
679	1049-1055	1:20	Plan of Ditches [1052] and [1055]
680	925	1:10	Section of Ditch [925] (redrawn from Section 613)
681	1057, 1059	1:10	NE Facing Section Ditches [1057] and [1059]
682	1057, 1059	1:20	Plan of Ditches [1057] and [1059]
683	1060-1063	1:10	NW Facing Section of Ditch [1063]
684	1063	1:20	Plan of Ditch [1063]
685	925	1:20	Plan of Ditch [925] (redrawn from Section 614)
686	1065-1071	1:20	Plan of Ditch [1071]
687	1065-1071	1:10	SW Facing Section of Ditch [1071]
688	1073, 1075	1:10	SE Facing Section of Ditches [1073] and [1075]
689	1073, 1075	1:20	Plan of Ditches [1073] and [1075]
690	926-927	1:10	NE Facing Section of Ditch [927]
691	926-927	1:20	Plan of Ditch [927]
692	1080-1081	1:10	NW Facing Section of Ditch [1081]
693	1080-1081	1:20	Plan of Ditch [1081]
694	1082-1083	1:10	NW Facing Section of Ditch [1083]
695	1082-1083	1:20	Plan of Ditch [1083]
696	1084-1088	1:10	Section of Ditches [1086] and [1088]
697	1086, 1088	1:20	Plan of Ditches [1086] and [1088]
698	1089-1090	1:10	Section of Gully [1090]
699	1090	1:20	Plan of Gully [1090]
700	1091-1095	1:10	E Facing Section of Gully [1095] and Ditch [1092]
701	1091-1095	1:20	Plan of Ditch [1092] and Gully [1095]
702	1096-1097	1:10	Section of Gully [1097]
703	1096-1097	1:20	Cut of Gully [1097]
704	1098-1102	1:10	NE Facing Section of Ditch Terminal [1102]
705	1098-1102	1:10	NW Facing Section of Ditch Terminal [1102]
706	1098-1102	1:20	Plan of Ditch Terminal [1102]
707	1103-1104	1:10	S Facing section of Posthole [1104]
708	1105-1106	1:10	S Facing Section of Posthole [1106]
709	1103-1106	1:20	Plan of Postholes [1104] and [1106]
710	1107-1110	1:10	Section of Ditch [1110]
711	1107-1110	1:20	Plan of Ditch [1110]
712	1118-1120	1:10	E-Facing Section of Ditch [1110]
713	1118-1120	1:20	Plan of Ditch [1120]
714	1113-1117	1:10	NW Facing Section of Ditch [1117]
715	1113-1117	1:20	Plan of Ditch [1117]
716	1111, 1112, 1121	1:10	SSW Facing Section of Ditch [1112]
717	1111, 1112, 1121	1:20	Plan of Ditch [1112]
718	1122-1126	1:10	SE Facing Section of Ditch [1126]
719	1125-1126, 1134	1:10	NE Facing Section of Ditch [1126]
720	1122-1129	1:20	Plan of Ditches [1126] and [1129]

Drawing No.	Context No.	Scale	Description
721	1130-1131	1:10	S Facing Section of Posthole [1131]
722	1130-1131	1:20	Plan of Posthole [1131]
723	1132-1133	1:10	S Facing Section of Posthole [1153]
724	1132-1132	1:20	Plan of Posthole [1133]
725	1136-1139	1:10	Section of Ditch [1139]
726	1136-1142	1:10	Section of Ditches [1139] and [1142]
727	1140-1142	1:10	Section of Ditch [1142]
728	1140-1142	1:10	Section of Ditch [1142]
729	1139	1:20	Plan of Ditch [1142]
730	1122-1129	1:10	SW Facing Section of Ditches [1126] and [1129]
731	1143-1148	1:10	SE Facing Section of Ditch Terminal [1148]
732	1143-1148	1:10	SW Facing Section of Ditch Terminal [1148]
733	1148	1:20	Plan of Ditch [1148]
734	667-668	1:10	NE Facing Section of Pit [667]
735	667-668	1:20	Plan of Pit [667]
736	1153-1154	1:10	NW Facing Section of Ditch [1154]
737	1153-1154	1:20	Plan of Ditch [1154]
738	1150-1151	1:10	Secton of Ditch [1151]
739	1150-1151	1:20	Plan of Ditch [1151]
740	1155-1157	1:10	N Facing Section of Ditch [1157]
741	1155-1157	1:20	Plan of Ditch [1157]
742	1158-1165	1:10	E Facing Section of Ditch [1165]
743	1166-1170	1:10	W Facing Section of Ditch [1168] and Gully [1170]
744	1166-1170	1:20	Plan of Ditch [1168] and Gully [1170]
745	1171-1173	1:10	E Facing Section of Ditch [1173]
746	1171-1173	1:20	Plan of Ditch [1173]
747	1174-1176	1:10	SW Facing Section of Ditch [1176]
748	1174-1176	1:20	Plan of Ditch [1176]
749	1177-1179	1:10	Section of Ditch [1179]
750	1177-1179	1:20	Plan of Ditch [1179]
751	1180-1181	1:10	W Facing Section of Gully [1181]
752	1180-1181	1:20	Plan of Ditch [1181]
753	1182-1183	1:10	Section of Ditch [1183]
754	1182-1183	1:20	Plan of Ditch [1183]
755	1184-1185	1:10	NE Facing Section of Ditch [1185]
756	1184-1185	1:20	Plan of Ditch [1185]
757	1186-1187	1:10	NE Section of Ditch [1187]
758	1186-1187	1:20	Plan of Ditch [1187]

Drawing No.	Context No.	Scale	Description
759	1188-1190	1:10	W Facing Section of Ditch [1190]
760	1190	1:20	Plan of Ditch [1190]
761	1191-1194	1:10	NW Facing Section of Ditch [1194]
762	1191-1194	1:20	Plan of Ditch [1194]
763	1195-1199	1:10	NE Facing Section of Ditch [1199]
764	1195-1199	1:20	Plan of Ditch [1199]
765	1200-1201	1:10	Section of Ditch [1201]
766	1200-1201	1:20	Plan of Ditch [1201]
767	1208-1215	1:10	E Facing Section of Ditches [1211] and [1215]
768	1212-1215	1:10	S Facing Section of Ditch [1215]
769	1210-1215	1:20	Plan of Ditches [1211] and [1215]
770	1219-1220	1:10	SW Facing Section of Ditches [1220] and [1223]
771	1219-1220, 1223	1:10	NW Facing Section of Ditches [1220] and [1223]
772	1221-1223	1:10	NE Facing Section of Ditches [1220] and [1223]
773	1220, 1223	1:20	Plan of Ditches [1220] and [1223]
774	1224-1227	1:10	NE Facing Section of Ditch [1227]
775	1227	1:20	Plan of Ditch [1227]
776	1228-1231	1:10	SE Facing Section of Ditch [1231]
777	1231	1:20	Plan of Ditch [1231]
778	1232-1236	1:10	NW Facing Section of Ditches [1234] and [1236]
779	1234, 1236	1:20	Plan of Ditches [1234] and [1236]
780	1239, 1241	1:10	NE Facing Section of Ditches [1239] and [1241]
781	1239, 1241	1:20	Plan of Ditches [1239] and [1241]
782	1243	1:10	Elevation of Well Structure [1243]
783	1246, 1249	1:10	Elevation Showing Structures [1246] and [1249]
784	1247-1251	1:10	S Facing Section of Cuts [1250] and [1251]
785	1246, 1247-1251	1:20	Plan of Structures [1249] and [1246], plus Cuts [1250] and [1251]
786	1246	1:10	Plan of Structure [1246]
787	1246	1:10	Elevation of W and N Walls of Bath House
788	1246	1:10	Elevation of E Wall of Bath House
789	1252-1254	1:10	NW Facing Section of Ditch [1254]
790	1252-1254	1:20	Plan of Ditch [1254]
791	1255-1256	1:10	W Facing Section of Ditch [1256]
792	1255-1256	1:20	Plan of Ditch [1256]
793	1257-1262	1:10	NW Facing Section of Ditches [1259] and [1262]
794	1257-1262	1:20	Plan of Ditches [1259] and [1262]
795	1263-1264	1:10	NW Facing Section of Ditch [1264]
796	1263-1264	1:20	Plan of Ditch [1264]

Drawing No.	Context No.	Scale	Description
797	1265-1266	1:10	NW Facing Section of Ditch [1266]
798	1267-1268	1:10	NW Facing Section of Ditch [1268]
799	1265-1268	1:20	Plan of Ditches [1266] and [1268]
800	1269-1270	1:10	NW Facing Section of Ditch [1270]
801	1269-1270	1:20	Plan of Ditch [1270]
802	1271-1272	1:10	Section of Ditch [1272]
803	1271-1272	1:20	Plan of Ditch [1272]

APPENDIX 3

City Fields (Phase II, W Area)

Site Code: 05.31.17

Photographic Index

Photo No.	Context	Scale(m)	Facing	Identifier
1-2	003-005	0.5m	NE	SW Facing Section Ditch [005]
3	006-013	2m	SW	NE Facing Section Ditches [008] and [0013]
4	014-016	1m	NE	SW Facing Section Ditch [016]
5	017-018	1m	NE	Ditch [018]
6	023-026	0.5m	SW	Pit [026]
7	021-022	1m	NE	SW Facing Section of Ditch [022]
8-9	014-020	1m	SW	NE Facing Section of Ditches [016] and [020]
10	019-020	0.25m	SE	NW Facing Section of Ditch [020]
11	023-026	0.5m	E	Pit [023] part exc.
12	023-026	0.5m	S	Pit [023] part exc.
13	027-037	1m	W	Ditches [034] and [030]
14	031-034	0.5m	NE	Ditch [034]
15	027-030	0.5m	E	Ditch [030]
16	023-026	1m	NE	Pit [026] part exc
17	045-046	0.5m	E	Posthole [046]
18	043-044	0.5m	NE	Posthole [043]
19	047-048	0.5m	NE	Posthole [048]
20	049-050	0.5m	N	Posthole [050]
21	051-052	0.5m	W	Posthole [052]
22	042	0.5m	N	Posthole [042]
23	035-036	1m	S	Ditch [036] and Furrow
24	039-040	0.5m	E	Posthole [040]
25	037-038	1m	N	S Facing Section of Ditch [038]
26-27	037-038	1m	N	S Facing Section of Ditch [038]
28	053-055	0.5m	N	S Facing Section of Pit [055]
29-30	056-059	1m	S	N Facing Section of Ditch [059]
31	066-070	2m	S	N Facing Section of Ditch [070]
32	060-061	0.5m	N	S Facing Section of Posthole [061]
33	062-063	0.5m	N	S Facing Section of Posthole [063]
34	064-065	0.5m	N	S Facing Section of Posthole [065]
35	071-072	1m	SE	NW Facing Section of Ditch [072]
36	073-079	1m	E	W Facing Section of Ditch Terminal [079]
37	073-079	1m	S	N Facing Section of Ditch [079]

Photo No.	Context	Scale(m)	Facing	Identifier
38	073-079	2 x 1m	NW	Oblique View of Ditches [076] and [079]
39-40	080-089	2m	W	E Facing Section of Ditch [089]
41	091-100	1m	W	Ditch [100]
42	105	1m	SW	NE Facing Section of Ditch [105]
43	110-117	1m	NE	SW Facing Section of Ditch [117]
44	080-089	2m	W	E Facing Section of Ditch [089]
45				Void
46-47	104-106	1m	SE	Ditch [106]
48	120-121	0.5m	SE	NW Facing Section of Posthole [121]
49	107-109	1m	SE	Pit [109]
50	122-125	1m	N	S Facing Section of Ditch [125]
51-52	182-189	1m	W	Ditch Terminal [189]
53	129-140	1m	W	E Facing Section of Ditches [134] and [140]
54	129-140	1m	N	S Facing Section of Ditches [134] and [140]
55	141-142	0.5m	W	Pit [142]
56	128	1m	W	E Facing Section of Ditch [1128]
57	173-174	0.5m	W	E Facing Section of Posthole [174]
58	175-176	0.5m	NW	SE Facing Section of Ditch [176]
59	026	1m	N	Pit [026] fully exc
60	026	1m	S	Pit [026] fully exc
61	150-151	0.5m	E	W Facing Section of Posthole [151]
62	150-151	0.5m		Oblique View of Posthole [151]
63	152-155	0.5m	N	Postholes [153] and [155]
64	156-157	0.5m	NW	SE Facing Section of Pit [157]
65-66	143-144	0.5m	S	Profile of Pit [144]
67	177-181	1m	SW	NE facing Sections of Postholes [179] and [181]
68-70	145-147	1m	W	E Facing Section of Ditch [147]
71	190-191	0.5m	W	E Facing Section of Posthole [191]
72	158-159	0.5m	SE	NW Facing Section of Pit [159]
73	160-161	0.5m	SE	NW Facing Section of Pit [161]
74	162-163	0.5m	SE	NW Facing Section of Pit [163]
75-77	196-197	0.5m	W	Post Pad [197]
78	192-193	0.5m	NW	SE Facing Section of Posthole [193]
79	194-195	0.5m	NW	SE Facing Section of Stakehole [195]
80-81	182-189	2m	N	S Facing Section of Ditch [189]
82	164-166	1m	SW	NE Facing Section of Ditch [166]
83	167-168	0.5m	SW	NE Facing Section of Ditch Terminal [168]
84-85	169-172	2m	N	N Facing Section of Ditch Terminal [172]
86	198-199	0.5m	SW	Posthole [199]
87	202-203	0.5m	W	E Facing Section of Gully [203]

Photo No.	Context	Scale(m)	Facing	Identifier
88	200-201	0.5m	E	W Facing Section of Gully [201]
89	204-205	0.5m	W	E Facing Section of Gully [205]
90	206-207	1m	S	Pit [207]
91	206-207	1m	N	Pit [207]
92	206-207	1m	W	Pit [207]
93	206-207	1m	E	Pit [207]
94-95	208-210	0.5m	SE	Pit 210]
96-97	211-212	0.5m	S	Posthole [212]
98-99	214-216	0.5m	NW	S Facing Section of Ditch [216]
100	226	0.5m	S	N Facing Section of Pit [226]
101	219-220	1m	NE	Gully Terminal [220]
102-3	246-248	0.5m	W	Pit [248]
104	217-218	0.5m	E	W Facing Section of Post Pad [218]
105	230-231	0.5m	N	Gully Terminal [230]
106	276-277	1m	E	Gully Terminal [277]
107	276-277	0.5m	S	Gully Terminal [277]
108	232-233	0.5m	W	Gully [233]
109-110	244-245	0.5m	SE	Pit [245]
111	221-222	1m	N	Pit [222]
112	257-259	0.5m	SW	NE Facing Section of Pit [112]
113	219-220	0.5m	NW	Gully Terminal [220]
114	227-229	0.5m	W	E Facing Section of Pit [229]
115	270-275	1m	E	W Facing Section of Ditch [273]
116	270-275	1m	N	E Facing Section of Ditch [273] and Posthole [275]
117	235, 237	1m	N	Ditch [235] and Gully [237]
118	235, 237	1m	W	Ditch [235] and Gully [237]
119	278-279	1m	N	Gully [279]
120	241-245	0.5m	E	Ditch Terminal [245]
121	238-240	0.5m	S	N Facing Section of Gully Terminal [245]
122	280-281	1m	W	Gully Terminal [281]
123	262-263	0.5m	N	Section of Posthole [263]
124	264-265	0.5m	NW	Section of Posthole [265]
125	266-267	0.5m	NW	Section of Posthole [267]
126	253-256	0.5m	E	W Facing Section of Gully [256]
127	268-269	0.5m	NW	Section of Pit [269]
128-129	284-285	1m	SW	Section of Pit [285]
130	260-261	1m	N	S Facing Section of Pit [261]
131	286-287	0.5m	NE	SW Facing Section of Pit [287]

Photo No.	Context	Scale(m)	Facing	Identifier
132	288-289	0.5m	NE	SW Facing Section of Stakehole [289]
133	290-291	0.5m	W	Section of Stakehole [291]
134	282-283	1m	N	N Facing Section of Ditch [283]
135	294-297	0.5m	W	E Facing Section of Pit [297]
136	303-304	0.5m	W	E Facing Section of Posthole [304]
137	292-293	1m	SE	NW Facing Section of Treebowl, Pit [293] + Furrow
138	305-306	0.5m	E	Section of Posthole [306]
139-40	309-310	0.5m	NE	SW Facing Section of Gully Terminal [310]
141	307-308	0.5m	SW	NE Facing Section of Gully Terminal [308]
142	148-149	0.5m	E	Section of Gully [149]
143	250-252	0.5m	W	E Facing Section of Gully [252]
144	300	0.5m	W	Gully [300]
145	300	0.5m	N	Gully [300]
146	300	1m	NW	Gully [300]
147	314-315	0.5m	E	W Facing Section of Pit [315]
148	316-317	0.5m	E	W Facing Section of Pit [317]
149	318-319	0.5m	E	W Facing Section of Pit [319]
150	320-321	0.5m	E	W Facing Section of Pit [321]
151	311-313	1m	S	N Facing Section of Gully Terminal [313]
152	311-313	0.5m	E	W Facing Section of Gully Terminal [313]
153	301-302	1m	NW	E Facing Section of Pit [302]
154	511, 514, 516	1m	N	Section of Pit [514] and Postholes [511] and [516]
155	357-358	0.5m	N	S Facing Section of Posthole [358]
156	359-360	0.5m	W	E Facing Section of Posthole [360]
157	322-333	0.5m	S	N Facing Section of Posthole [323]
158	324-325	0.5m	S	N Facing Section of Posthole [325]
159	326-327	0.5m	S	N Facing Section of Posthole [327]
160	361-362	0.5m	W	E Facing Section of Posthole [362]
161	328-329	0.5m	S	N Facing Section of Posthole [329]
162	517-518	0.5m	S	Section of Posthole [518]
163	519-520	0.5m	W	Posthole [520]
164	518, 520	0.5m	SW	Postholes [518] and [520]
165	311-313	1m	E	W Facing Section of Gully Terminal [313]
166	352-353	0.5m	W	E Facing Section of Posthole [353]
167	337-338	0.5m	SE	NW Facing Section of Posthole [338]
168	339-341	0.5m	SE	NW Facing Section of Posthole [341]
169	342-343	0.5m	SE	NW Facing Section of Posthole [343]
170	345-346	0.5m	S	N Facing Section of Stakehole [346]

Photo No.	Context	Scale(m)	Facing	Identifier
171	347-348	0.5m	E	W Facing Section of Posthole [348]
172-173	366-367	0.5m	SE	NW Facing Section of Posthole [367]
174	522-524	0.5m	SW	Postholes [522] and [524]
175-176	330, 333, 335	1m	SE	Pit [330] and Postholes [333] and [335]
177-178	368-369	0.5m	SE	Section of Posthole [369]
179	350-351	0.5m	S	N Facing Section of Posthole [351]
180	354-356	0.5m	E	Section of Gully [356]
181	354-356	1m	SW	Gully [356]
182	363-365	1m	SW	NE Facing Section of Pit [365]
183	363-365	0.5m	SW	NE Facing Section of Pit [365]
184-5	370-371	0.5m	S	Section of Posthole [371]
186	386-387	0.5m	SE	Section of Gully [387]
187	386-387	0.5m	SE	Gully [387]
188-9	374-378	1m	E	W Facing Section of Pits [376] and [378]
190	430-433	1m	E	W Facing Section of Ditch [433]
191	430-436	1m	S	N Facing Section of Ditches [433] and [436]
192	388-390	0.5m	NW	Section of Gully [390]
193	388-390	0.5m	NW	Gully [390]
194	391-392	0.5m	S	Posthole [392]
195	393-394	0.5m	SW	Posthole [394]
196	395-396	0.5m	SW	Posthole [396]
197	372-373	1m	S	N Facing Section of Pit [373]
198	413-414	0.5m	SW	NE Facing Section of Pit [414]
199-201				Void
202	379-380	0.5m	S	N Facing Section of Posthole [379]
203	381-382	0.5m	S	N Facing Section of Posthole [381]
204	383-384	0.5m	S	N Facing Section of Posthole [383]
205	397-398	0.5m	E	W Facing Section of Posthole [398]
206	569-570	0.5m	S	Posthole [570]
207-8	572-572	0.5m	S	Posthole [572]
209	399-400	0.5m	E	W Facing Section of Posthole [400]
210	401-402	0.5m	S	N Facing Section of Posthole [402]
211	403-404	0.5m	S	N Facing Section of Posthole [404]
212-214	574	0.5m	S	Posthole [574]
215	576	0.5m	S	Posthole [576]
216	437-439	1m	N	S Facing Section of Ditch Terminal [439]
217	437-439	0.5m	E	W Facing Section of Ditch Terminal [439]
218-219	437-439	0.5m	E	Ditch Terminal [439]

Photo No.	Context	Scale(m)	Facing	Identifier
220	416-417	0.5m	NE	SW Facing Section of Pit [417]
221	418-419	0.5m	S	N Facing Section of Posthole [419]
222	420-421	0.5m	S	N Facing Section of Posthole [421]
223	452-454	0.5m	NW	SE Facing Section of Gully [454]
224	452-454	0.5m	SW	Gully [454]
225	428-429	0.5m	N	S Facing Section of Posthole [429]
226	422-423	0.5m	S	N Facing Section of Posthole [423]
227	424-425	0.5m	S	N Facing Section of Posthole [425]
228	426-427	0.5m	S	N Facing Section of Posthole [427]
229	531-534	1m	NE	Pit [534]
230	437-443	2m	E	W Facing Section of Ditches [439] and [433]
231-233				Void
234-235	577-578	0.5m	S	N Facing Section of Posthole [578]
236	542	0.5m	S	Posthole [542]
237	539-540	0.5m	SE	Posthole [540]
238	537-538	0.5m	SE	Posthole [538]
239-240	593-594	0.5m	E	Posthole [594]
241	595-596	0.5m	NE	Posthole [596]
242	526-30,561-68	2m	N	Postholes [526], [528], [530], [562], [564] and [568]
243-244	458-464	2m	N	S Facing Section of Ditch [464]
245	597-598	0.5m	E	Posthole [598]
246	614-615	0.5m	SW	NE Facing Section of Ditch [615]
247	616-617	0.5m	SW	NE Facing Section of Ditch [617]
248-249	580-582	0.5m	W	Postholes [580] and [582]
250	557-558	1m	N	S Facing Section Pit [558]
251	601-602	0.5m	SW	Posthole [602]
252	605-606	0.5m	S	Posthole [606]
253	483-484	0.5m	S	N Facing Section of Posthole [484]
254	488-489	1m	W	Gully Terminal [489]
255	490-491	0.5m	S	N Facing Section of Gully [491]
256	599-600	0.5m		Posthole [600]
257	559-560	0.5m	N	Posthole [560]
258-259	589-590	0.5m	N	Posthole [590]
260-261	597-598	0.5m	W	Posthole [598]
262-263	467	0.5m	E	W Facing Section of Gully [467]
264	485-487	0.5m	S	N Facing Section of Pit [487]
265-266	583-586	0.5m	SW	Postholes [584] and [586]
267	583-586	0.5m	SE	Postholes [584] and [586]

Photo No.	Context	Scale(m)	Facing	Identifier
268	555-556	0.5m	S	Posthole [556]
269	608	0.5m	S	Posthole [608]
270	610	0.5m	SE	Posthole [610]
271-272	493-498	2m	NE	Section of Ditch [498]
273-274	465	0.5m	NE	SE Facing Section of Ditch [465]
275-276	587-588	0.5m	NW	Posthole [588]
277	448-451	2 x 1m	SW	NE Facing Section of Ditch [451]
278	544	0.5m	E	Posthole [544]
279	544-550	0.5m	E	Postholes [544], [546], [548] and [550]
280	545-560	1m	N	Postholes [546], [548] and [550]
281-282	N/A	1m	S	Palaeochannel
283	469	0.5m	N	S Facing Section of Posthole [469]
284	471	0.5m	N	S Facing Section of Posthole [471]
285	469, 471	0.5m	N	Postholes [469] and [471]
286-289	469, 471	0.5m	W	Postholes [469] and [471]
290	552	0.5m	S	Posthole [552]
291-292	600	0.5m	NW	Posthole [600]
293	553-554	0.5m	NW	Posthole [554]
294	405-406, 492	0.5m	S	N Facing Section of Ditch [406]
295-296	499-506	1m	S	Section of Ditches [502] and [506]
297-298	592	0.5m	SW	Posthole [592]
299	479-480	1m	E	W Facing Section of Pit [480]
300-301	474-478	0.5m	NW	Intersection of Ditches [474] and [478]
302-303	622	0.5m	W	Gully [622]
304-305	620	0.5m	N	Gully [620]
306	407-412	0.5m	SW	NE Facing Section of Gully [408], Postholes [410], [412]
307-308	595-596	0.5m	SW	Posthole [596]
309	618-619	1m	SW	NE Facing Section of Ditch [619]
310	481-482	1m	W	Section of Pit [481]
311	507	1m	S	N Facing Section of Ditch [507]
312-313	624	0.5m	S	N Facing Section of Gully [624]
314-315	624	0.5m	N	S Facing Section of Gully [624]
316-317	628	0.5m	N	Pit [628]
318-320	626	1m	S	N Facing Section of Pit [626]
321	613	1m	E	W Facing Section of Ditch [613]
322	630	1m	S	N Facing Section of Ditch [630]
323-324	661-664	1m	S	Section of Gullies [662] and [664]
325		2m	NW	Posthole Group within D-shaped Enclosure

Photo No.	Context	Scale(m)	Facing	Identifier
326		2m	NE	Ditto
327		2m	E	Ditto
328			NW	Ditto
329		2m	NW	Ditto
330		2m	W	Ditto
331	634-635	0.5m	S	N Facing Section of Posthole [635]
332	638-639	0.5m	S	N Facing Section of Posthole [639]
333				Void
333	644-645	0.5m	SW	NE Facing Section of Posthole [645]
335-336	640-641	0.5m	S	N Facing Section of Stakehole [641]
337-338	646-647	0.5m	S	N Facing Section of Posthole [647]
339	636-637	0.5m	S	N Facing Section of Posthole [637]
340-341	648-649	0.5m	S	N Facing Section of Posthole [649]
342	642-643	0.5m	S	N Facing Section of Posthole [643]
343	651-656	2m	N	Section of Pit [656]
344	651-656	2m	NW	Pit [656]
345	651-656	2m	NE	Pit [656]
346	657-660	1m	NW	Pit [660]
347	534	1m	E	Pit [534]
348	665	1m	E	Pit [665]
349	671-672	0.5m	N	S Facing Section of Gully [672]
350	208-210	0.5m		Pit [210]
351	673-675	1m	S	N Facing Section of Ditch [675]
352	667-668	0.5m	SW	NE Facing Section of Posthole [667]
353	676-677	1m	S	N Facing Section of Ditch [673]
354	678-682	1m	W	E Facing Section of Pit [682]
355	683-687	1m	E	Intersection of Ditches [685] and Gully [687]
356	683-687	1m	SE	Ditto
357	683-687	1m	S	Ditto
358	690-692	1m	S	Section of Ditch [692]
359	714-716	0.5m	NW	SE Facing Section of Ditch [716]
360	688-689	1m	SW	NE Facing Section of Ditch [689]
361	694-696	1m	SW	NE Facing Section of Ditch [695]
362	696-699	1m	SW	NE Facing Section of Pits [697] and [699]
363	700-701	1m	SW	Section of Ditch [701]
364	700-701	1m	NE	Section of Ditch [701]
365	702-703	1m	SW	NE Facing Section of Ditch [703]
366	706-709			Metal vessel half-sectioned

Photo No.	Context	Scale(m)	Facing	Identifier
367	704-705	0.5m	NE	SW Facing Section Gully Terminal [705]
368-372	707	0.5m	SW	Metal Vessel (707)
373-395	707	0.5m		Phtogrammetry shots of metal vessel (707)
396	710-713	0.5m	NW	Ditches [710] and [713]
397	721-723	1m	SW	Ditches [721] and [723]
398	667-668	0.5m	S	N Facing Section of Pit [667]
399	727-729	1m	S	N Facing Section of ditch [729]
400	724-726	1m	NE	SW Facing Section of Ditch [726]
401	730-732	0.5m	S	N Facing Section of Ditch [732]
402	733-735	1m	S	N Facing Section of Ditch [735]
403	836, 837	0.5m	E	Structure <837>
404	836, 837	0.5m	N	Structure <837.
405	736-738	1m	NW	S Facing Section of Ditch Terminal [738]
406	736-738	0.5m	SW	NE Facing Section of Ditch Terminal [738]
407	739-741	1m	SW	Section of Ditch [741]
408	742-743	0.5m	SW	Section of Ditch [743]
409	749-750	1m	W	E Facing Section of Gully [750]
410	831-836	1m	S	N Facing Section of Structure <837>
411	832-836	1m	N	S Facing Section of Structure <836>
412	749-750	0.5m	N	S Facing Section of Gully [750]
413	744-746	1m	SW	Section of Ditch [746]
414	747-748	1m	NE	Section of Ditch [748]
415	828-830	1m	S	N Facing Section of Structure <837>
416	828-830	1m	W	E Facing Section of Structure <837>
417	751-753	1m	S	N Facing Section of Pit [753]
418	756-757	0.5m	N	S Facing Section of Ditch [757]
419	758-759	0.5m	N	S Facing Section of Ditch [757]
420	754-755	0.5m	W	E Facing Section of Pit [755]
421	760-763	0.5m	SW	NE Facing Section of Pit [761] and Posthole [763]
422	764-765	0.5m	W	E Facing Section of Ditch Terminal [765]
423	766-767	0.5m	NW	SE Facing Section of Ditch [767]
424	828-830	2m	S	N Facing Section of Structure <837>
425	828-830	1m	E	W Facing Section of Structure <837>
426	768-769	0.5m	S	Posthole [769]
427	770-771	0.5m	S	Posthole [771]
428	777-778	1m	NE	SW Facing Section of Ditch Terminal [778]
429	772-773	0.5m	S	Posthole [773]
430	769, 771, 773	1m	S	Postholes [769], [771] and [773]

Photo No.	Context	Scale(m)	Facing	Identifier
431	775-776	0.5m	N	S Facing Section of Pit [776]
432	793-796	0.5m	N	Posthole [796]
433	791-792	0.5m	NE	SW Facing Section of Pit [792]
434	779-780	0.5m	S	Section of Gully Terminal [780]
435	781-782	0.5m	W	Section of Gully [782]
436	787-790	0.5m	NE	SW Facing Section of Pit [790]
437	837	2m	W	Structure <837>
438	837	1m	S	Structure <837>
439	837	1m	N	Structure <837>
440	783-786	1m	NW	SE Facing Section of Pit [786]
441	787-790	0.5m	S	N Facing Section of Pit [790]
442	797-798	0.5m	E	W Facing Section of Gully Terminal [798]
443	837	2m	W	Structure <837>
444	799-800	0.5m	S	N Facing Section of Ditch [800] and Furrow
445	832, 833, 836	2m	S	Structure <837>
446	830, 841	1m	N	S Facing Section of Pit [830] and Posthole [841]
447	797-798	0,5m	N	S Facing Section of Gully [798]
448-449	801-802	1m	SW	NE Facing Section of Ditch Terminal [802]
450	814-815	0.5m	SW	NE Facing Section of Pit [815]
451	834	1m	E	Wall <834> in Structure<837>
452	816-817	0.5m	W	E Facing Section of Gully Terminal [817]
453	806-808	1m	S	Section of Posthole [808]
454	803-805	1m	S	Pit [805]
455	806-808	1m	S	Posthole [808]
456	816-817	0.5m	N	S Facing Section of Gully Terminal [817]
457	809-810	0.5m	W	Pit [810]
458	811-813	0.5m	E	Section of Gully [813]
459	818-820	0.5m	NW	NE Facing Section of Ditch [820]
460	837	2m	S	Structure <837>
461	837	2m	N	Structure <837>
462	837	2m	E	Structure <837>
463	837	2m	S	Structure <837> completed
464	837	2m	N	Structure <837> completed
465	842-843	0.5m	E	W Facing Section of Posthole [843]
466-467	821-822	0.5m	S	Section of Posthole [822]
468	826-827	0.5m	S	N Facing Section of Pit [827]
469-1000				Numbers Not Used
1001	826-827	0,5m	S	N Facing Section Pit [827]

Photo No.	Context	Scale(m)	Facing	Identifier
1002	838-839	0.5m	S	Posthole [839] in Structure <837>
1003		1m	SE	
1004	847-849	1m	E	W Facing Section of Posthole [849]
1005	852-854	1m	NW	SE Facing Section of Ditch [854]
1006-07	855-856	1m	S	N Facing Section of Ditch [856]
1008-09	857-858	0.5m	S	N Facing Section of Gully [858]
1010-11	859-860	0.5m	E	W Facing Section of Gully Terminal [860]
1012	868-869	1m	SE	NW Facing Section of Well [869]
1013	861-862	0.5m	NW	Ditch [862]
1014	863-864	0.5m	NW	Ditch [864]
1015	865-867	1m	NW	E Facing Section of Ditch [867]
1016	868-869	1m	SE	W Facing Section of Pit [869]
1017	885-886	0.5m	E	Pit [886]
1018	870-877	2 x 1m	SE	NW Facing Section of Ditches [872] and [877]
1019	898	1m	N	S Facing Section of Pit [898]
1020	898	1m	E	W Facing Section of Pit [898]
1021	898	1m	N	S Facing Section of Pit [898]
1022	898	1m	E	W Facing Section of Pit [898]
1023	889-891	1m	SE	N Facing Section of Ditch [891]
1024	901	1m	NE	Furrow [901]
1025	901	1m	SW	Furrow [901]
1026	903	1m	SW	Furrow [903]
1027	889-991	1m	SE	NW Facing Section of Ditch [991]
1028	879-884	2 x 1m	SW	NE Facing Section of Ditches [879] and [884]
1029	905	1m	SW	Furrow [1029]
1030	887-888	1m	SW	NE Facing Section of Ditch [888]
1031	889-891	1m	NW	SE Facing Section of Ditch [891]
1032	899-893	1m	NE	SW Facing Section of Ditch [893]
1033	906-907	0.5m	SW	NE Facing Section of Gully [907]
1034	896-897	1m	SW	NE-Facing Section of Gully [897]
1035	914-915	0.5m	SW	Ditch [915]
1036	914-915	0.5m	NE	Ditch [915]
1037	914-915	1m	S	Ditch [915]
1038	912-913	1m	SE	NW Facing Section of Ditch Terminal [913]
1039	928-929	0.5m	E	E Facing Section of Pit [929]
1040-41	894-895	1m	SW	NE Facing Section of Ditch [895]
1042	912-913	0.5m	SW	NE Facing Section of Ditch Terminal [913]
1043	918-921	1m	E	W Facing Section of Ditches [919] and [921]

Photo No.	Context	Scale(m)	Facing	Identifier
1044	918-921	1m	N	S Facing Section of Ditches [919 and [921]
1045	918-921	0.5m	E	Ditches [919] and [921]
1046	911, 917	0.5m	SW	Gully [911] and Pit [917]
1047	908-909	0.5m	SW	Gully [908]
1048	926-927	1m	SW	NE Facing Section of Ditch [927]
1049	922-923	1m	E	W Facing Section of Gully [923]
1050	924-923	1m	SW	NE Facing Section of Ditch [925]
1051	892, 942	2 x 1m	SW	Section of Ditches [842] and [942]
1052	930-932	0.5m	SW	NE Facing Section of Posthole [932]
1053	933-934	0.5m	E	W Facing Section of Ditch [934]
1054-55	943-944	1m	W	E Facing Section of Ditch [944]
1056	945-946	0.5m	NE	SW Facing Section of Ditch [946]
1057	947-955	1m	SW	NE Facing Section of Ditch [935]
1058	958-959	1m	S	N Facing Section of Ditch [959]
1059-60	960-967	1m	NW	SE Facing Section of Ditch Terminal [967]
1061-62	960-967	1m	NE	SW Facing Section of Ditch Terminal [967]
1063	968-971	0.5m	NW	SE Facing Section of Ditch [969] and Posthole [971]
1064	956-957	0.5m	NE	SW Facing Section of Ditch [957]
1065	1022-1026	1m	SW	Ditches [1024] and [1026]
1066	1025-1032	1m	NW	Ditches [1024] and [1032]
1067	1025-1026	1m	NE	Ditch [1026]
1068	1022-1026	1m	SE	Ditches [1024] and [1026]
1069	1022-1032	1m	S	Ditches [1024], [1026] and [1032]
1070	986-988	1m	SE	NW Facing Section of Ditch [988]
1071	978-979	0.5m	S	N Facing Section of Gully [979]
1072	978-981	0.5m	NW	SE Facing Section of Gullies [979] and [981]
1073	980-981	0.5m	NE	SW Facing Section of Gully [981]
1074	980-981	0.5m	SE	NW Facing Section of Gully [981]
1075-76	983-985	1m	SE	NW Facing Section of Ditch Terminal [985]
1077	989-990	1m	SW	NE Facing Section of Gully [990]
1078	917, 990	1m	NE	SW Facing Section of Gully [990] and Pit [917]
1079	992-996	1m	S	N Facing Section of Ditch [996]
1080-82	1043-1046	1m	E	W Facing Section of Ditch [1046]
1083-84	1007-1017	1m	N	Gully [1007] and Ditch [1017]
1085	1007-1017	1m	E	W Facing Section of Gully [1007] and Ditch [1017]
1086	1010-1017	1m	W	E Facing Section of Ditch [1017]
1087	1024,1026,1032	1m	NE	Ditches [1024], [1026] and [1032]
1088	1024,1026,1032	1m	SE	Ditches [1024], [1026] and [1032]

Photo No.	Context	Scale(m)	Facing	Identifier
1089	1027-1032	1m	W	Ditch [1032]
1090	1027-1032	1m	NW	Ditch [1032]
1091	1024,1026.1032	1m	E	Ditches [1024], [1026] and [1032]
1092	999-1000	1m	W	Pit [1000]
1093	997-998	0.5m	W	Pit [998]
1094	1001-1002	1m	W	E Facing Section of Pit [1002]
1095	1003-1006	1m	NW	SE Facing Section of Ditch [1006]
1096-97	1033-1042	1m	NE	SW Facing Section of Ditches [1037] and [1042]
1098	1018-1019	0.5m	SE	NW Facing Section of Ditch [1019]
1099-100	1049-1055	1m	W	E Facing Section of Ditches [1052] and [1055]
1101	1053-1055	0.5m	S	N Facing Section of Ditch [1055]
1102	1049-1055	N/A	SE	Ditches [1052] and [1055]
1103	1047-1048	0.5m	NW	SE Facing Section of Pit [1048]
1104	1056-1059	1m	NW	SE Facing Section of Ditches [1064] and [1059]
1105	1056-1059	1m	SW	NE Facing Section of Ditches [1064] and [1059]
1106-07	1060-1063	1m	SE	NW Facing Section of Ditch [1063]
1108	1065-1071	1m	NE	SW Facing Section of Ditch [1071]
1109-11	1072-1075	1m	NW	SSE Facing Section of Ditches [1073] and [1075]
1112	926-927	1m	NW	SE Facing Section of Ditch [927]
1113	924-925	1m	NW	SE Facing Section of Ditch [925]
1114	1080-1081	1m	SE	NW Facing Section of Ditch [1081]
1116-16	1084-1088	1m	NW	SE Facing Section of Ditches [1086] and [1088]
1117	1091-1095	1m	W	E Facing Section of Ditch [1092] and Gully [1095]
1118	1091-1095	0.5m	E	W Facing Section of Ditch [1092] and Gully [1095]
1119-20	1089-1090	1m	NE	SW Facing Section of Gully [1090]
1121	1082-1083	0.5m	SE	NW Facing Section of Ditch [1083]
1122	1098-1102	0.5m	SE	Ditch Terminal [1102]
1123	1098-1102	1m	NE	Ditch Terminal [1102]
1124	1098-1102	0.5m	SE	Ditch Terminal [1102]
1125	1143-1148	1m	NW	Ditch Terminal [1148]
1126	1143-1148	0.5m	NE	Ditch Terminal [1148]
1127	1098-1102	1m	SE	Ditch Terminal [1102]
1128	1096-1097	0.5m	S	Gully [1097]
1129	1103-1104	0.5m	N	S Facing Section of Posthole [1104]
1130	1105-1106	0.5m	N	S Facing Section of Posthole [1106]
1131	1107-1110	1m	NW	SE Facing Section of Ditch [1110]
1132-34	1111-1112	1m	NW	SE Facing Section of Ditch [1112]
1135	1118-1120	1m	E	W Facing Section of Ditch [1120]

Photo No.	Context	Scale(m)	Facing	Identifier
1136	1113-1117	1m	SE	NW Facing Section of Ditch [1117]
1137	1121-1126	1m	NW	SE Facing Section of Ditch [1126]
1138	1121-1126	0.5m	SW	NE Facing Section of Ditch [1126]
1139	1130-1131	0.5m	N	S Facing Section of Posthole [1131]
1140	1132-1133	0.5m	N	S Facing Section of Posthole [1133]
1141	1136-1142	1m	NE	Section of Ditches [1139] and [1142]
1142	1122-1129	1m	NE	Section of Ditches [1126] and [1129]
1143	1140-1142	1m	SE	Ditch [1142]
1144	1140-1142	0.5m	SW	Ditch [1142]
1145	1136-1139	0.5m	NW	Ditch [1139]
1146	1143-1148	1m	E	W Facing Section of Ditch Terminal [1148]
1147	1152-1154	0.5m	SE	NW Facing Section of Ditch [1154]
1148	1150-1151	1m	NW	E Facing Section of Ditch [1151]
1149	1155-1157	1m	S	N Facing Section of Ditch [1157]
1150	1158-1165	1m	NW	SE Facing Section of Ditches 1161] and [1165]
1151	1166-1170	1m	SE	NW Facing Section of Ditches [1168] and [1170]
1152	1171-1173	0.5m	E	W Facing Section of Ditch [1173]
1153	1180-1181	0.5m	E	W Facing Section of Ditch [1181]
1154	1174-1176	1m	NE	SW Facing Section of Ditch [1176]
1155-56	1224-1227	1m	SW	NE Facing Section of Ditch [1227]
1157-58	1177-1179	1m	SE	NW Facing Section of Ditch [1179]
1159	1184-1185	1m	SW	NE Facing Section of Ditch [1185]
1160	1182-1183	1m	SW	NE Facing Section of Ditch [1183]
1161	1186-1187	1m	SW	NE Facing Section of Ditch [1187]
1162	1188-1190	0.5m	E	W Facing Section of Ditch [1190]
1163	1191-1194	1m	S	N Facing Section of Ditch [1194]
1164	1195-1199	1m	SW	NE Facing Section of Ditch [1199]
1165	1228-1231	1m	NW	SE Facing Section of Ditch [1231]
1166	1228-1231	1m	SW	NE Facing Section of Ditch [1231]
1167	1219-1223	1m	NE	Section of Ditches [1220] and [1223]
1168	1219-1223	1m	SE	Section of Ditches [1220] and [1223]
1169	1219-1223	1m	SE	Section of Ditches [1220] and [1223]
1170	1201, 1218	1m	W	Ditches [1201] and [1218]
1171	1237-1241	1m	SW	Ditches [1239] and [1241]
1172	1237-1241	1m	S	Ditches [1239] and [1241]
1173	1237-1241	1m	W	Ditches [1239] and [1241]
1174	1237-1241	1m	SW	Ditches [1239] and [1241]
1175	1208-1215	1m	W	E Facing Section of Ditches [1211] and [1215]

Photo No.	Context	Scale(m)	Facing	Identifier
1176	1212-1215	1m	N	S Facing Section of Ditch [1215]
1177	1232-1234	1m	SE	NW Facing Section of Ditch [1234]
1178	1235-1236	1m	SE	NW Facing Section of Gully [1236]
1179	N/A	1m	SW	Bungalow/Building
1180	N/A	1m	SE	Bungalow/Building
1181	N/A	1m	NE	Bungalow/Building
1182	1243	1m	SE	Structure <1243>
1183	1243	1m	SE	Structure <1243>
1184-85	1243	0.5m	NW	SE Wall of Structure <1243>
1186	1246	0.5m	NE	SW Wall of Structure <1243>
1187	1246	0.5m	N	S Facing Elevation of Wall of Structure <1246>
1188	1246	1m	NW	SE Facing Elevation of Wall of Structure <1246>
1189	1247-1248	1m	N	Modern Intrusions 1247 and 1248
1190	1247	1m	N	Modern Intrusion 1247
1191	1249	1m	S	Wall 1249
1192	1249	1m	S	Wall 1249
1193	1246	1m	S	Overall View of Bath House
1194	1246	1m	N	Overall View of Bath House
1195	1243		NW	Well 1243
1196	1243		SE	Well 1243
1197	1246	1m	SE	Overall View of Bath House
1198	1246	1m	S	N Facing Elevation of Bath House
1199	1246	1m	W	E Facing Elevation of Bath House
1200-01	1246	1m	E	W Facing Elevation of Bath House
1202	1246	1m	S	N Facing Elevation of Bath House
1203	1246	1m	W	E Facing Elevation of Bath House
1204	1246	N/A	E	Possible Setting for Handrail
1205	1246	N/A	W	Possible Fixing for Handrail
1206	1265-66	1m	SE	NW Facing Section of Ditch [1266]
1207-09	1255-1256	1m	SE	NW Facing Section of Ditch [1256]
12010-11	1257-1262	1m	SE	NW Facing Section of Ditches [1259] and [1262]
1212-13	1267-1268	1m	SE	NW Facing Section of Ditch [1268]
1214-15	1263-1264	1m	SE	NW Facing Section of Ditch [1264]
1216-17	1269-1270	1m	SE	NW Facing Section of Gully [1270]
1218	1271-1272	1m	SE	NW Facing Section of Ditch [1272]
1219			NW	General Site View
1220			SW	General Site View
1221			SE	General Site View

Photo No.	Context	Scale(m)	Facing	Identifier
1222			E	General Site View
1223			W	General Site View
1224			E	General Site View
1225			E	General Site View
				Monochrome Film No. 1
1				ID Shot
2	003-005	0.5m	NE	SW Facing Section of Ditch [005]
3	006-013	2m	SW	NE Facing Section of Ditch [013]
4	014-016	1m	NE	SW Facing Section of Ditch [016]
5	017-018	1m	NE	Ditch [018]
6	021-022	1m	NE	SW Facing Section of Ditch [022]
7 and 8	014-020	1m	SW	NE Facing Section of Ditches [016] and [020]
9	019-020	0.5m	SE	NW Facing Section of Ditch [020]
10	031-036	1m	W	Ditches [034] and [036]
11	027-030	0.5m	N	Ditch [030]
12	031-034	0.5m	E	W Facing Section of Ditch [034]
13	023-026	1m	N	Pit [026]
14	035-036	1m	S	N Facing Section of Ditch [036 and Furrow
15-16	037-038	1m	N	S Facing Section of Ditch [038]
17	053-055	0.5m	N	S Facing Section of Pit [055]
18	056-059	1m	S	N-Facing Section of Ditch [059]
19	066-070	2m	S	N Facing Section of Ditch [070]
20	071-072	1m	SE	NW Facing Section of Ditch [072]
21	073-079	1m	E	W Facing Section of Ditch [076]
22	073-079	1m	S	N Facing Section of Ditch [079]
23	073-079	2 x 1m	SW	Oblique view of Ditches [076] and [079]
24	080-089	2m	W	E Facing Section of Ditch [089]
25	091-100	2m	W	E Facing Section of Ditch [100]
26	103	1m	SW	NE Facing Section of Ditch [103]
27	110-117	1m	NE	SW Facing Section of Ditch [117]
28	118-119	0.5m	NE	SW Facing Section of Ditch [119]
29	104-106	1m	SE	NW Facing Section of Ditch [106]
30	120-121	0.5m	SE	NW Facing Section of Posthole [121]
31	107-109	1m	SE	NW Facing Section of Ditch [109]
32	122-125	1m	N	S Facing Section of Ditch [125]
33	182-189	1m	W	E Facing Section of Ditch Terminal [189]
34	129-140	1m	W	E Facing Section of Ditches [134] and [140]

Photo No.	Context	Scale(m)	Facing	Identifier
35	129-140	1m	N	S Facing Section of Ditches [134] and [140]
36	141-142	0.5m	W	E Facing Section of Pit [142]
37	126-128	1m	N	E Facing Section of Ditch [128]
				Monochrome Film No. 2
1				ID Shot
2	618-619	1m	SW	NE Facing Section of Ditch [619]
3	495-498	2m	SW	N Facing Section of Ditch [498]
4	458-464	2m	SW	N Facing Section of Ditch [464]
5	611-613	1m	E	W Facing Section of Ditch [613]
6		2m	NW	Pit Group within D-shaped Enclosure
7		2m	NE	Ditto
8		2m	NE	Ditto
9		2m	E	Ditto
10		2m	NW	Ditto
11		2m	W	Ditto
12	657-650	1m	NW	Pit [650]
13	339-341	1m	E	Pit [341]
14	651-656	2m	N	Pit [656]
15	671-672	0.5m	N	S Facing Section of Gully [672]
16	673-675	1m	SW	N Facing Section of Ditch [675]
17	683-687	1m	SE	N Facing Section of Ditches [685] and [687]
18	690-692	1m	S	N Facing of Ditch [692]
19	914-916	0.5m	NE	SW Facing Section of Ditch [716]
20	688-689	1m	SW	NE Facing Section of Ditch [689]
21	693-695	1m	SW	NE Facing Section of Ditch [695]
22	700-701	1m	SW	NE Facing Section of Ditch [701]
23	702-703	1m	SW	NE Facing Section of Ditch [703]
24	707	0.5m	SW	Metal Vessel (707)
25	717-723	1m	SW	Ditches [721] and [723]
26	727-729	1m	S	N Facing Section of Ditch [729]
27	721-726	1m	NE	SW Facing Section of Ditch [726]
28	739-741	1m	SW	Ditch [741]
29	831-836	1m	S	N Facing Section of [836]
30	832-836	1m	N	S Facing Section of [836]
31	744-746	1m	SW	Ditch [746]
32	747-748	1m	NE	Ditch [748]
33	760-763	0.5m	SW	Pit [761] and Stakehole [763]

Photo No.	Context	Scale(m)	Facing	Identifier
34	828-830	2m	S	N Facing Section of [830]
35	828-830	1m	E	W Facing Section of [830]
36	768-773	1m	S	Postholes [769], [771] and [773]
37	828-830	2m	W	E Facing Section of [830]
				Monochrome Film No. 3
1				ID Shot
2	837	2m	W	E Facing Section of Structure <837>
3	837	1m	N	S Facing Section of Structure <837>
4	837	1m	S	N Facing Section of Structure <837>
5	834	1m	E	Wall <834> in Structure <837>
6	837	2m	S	Structure <837>
7	837	2m	N	Structure <837>
8	837	2m	E	Structure <837>
9	837	2m	S	Structure <837>
10	837	2m	N	Structure <837>
11	837	2m	N	Structure <837>
12	870-872	1m	SW	NE Facing Section of Ditches [872] and [877]
13	898	1m	N	Pit [898]
14	898	1m	E	Pit [898]
15	879, 884	2 x 1m	SW	NE Facing Section of Ditches [879] and [884]
16	947-945	1m	SW	NE Facing Section of Ditch [955]
17	986-988	1m	SE	NW Facing Section of Ditch [988]
18	992-996	1m	S	N Facing Section of Ditch [996]
19	1043-1046	1m	E	W Facing Section of Ditch [1046]
20	1033-1042	1m	NE	SW Facing Section of Ditches [1037] and [1042]
21	1049-1055	1m	W	E Facing Section of Ditches [1052] and [1055]
22	1065-1071	1m	NE	SW Facing Section of Ditch [1071]
23	1091-1095	1m	W	Ditch [1092] and Gully [1095]
24	1098-1102	1m	SE	Ditch Terminal {1102}
25	1143-1148	1m	NW	Ditch Terminal {1148}
26				
27	1115-1117	1m	SE	NW Facing Section of Ditch [1117]
28	1143-1148	1m	E	W Facing Section of Ditch Terminal [1148]
29	1171-1173	0.5m	E	W Facing Section of Ditch [1173]
30	1177-1179	1m	SE	NW Facing Section of Ditch [1179]
31	1186-1187	1m	SW	NE Facing Section of Ditch [1187]
32	1191-1194	1m	S	N Facing Section of Ditch [1194]

Photo No.	Context	Scale(m)	Facing	Identifier
33	1195-1199	1m	SW	NE Facing Section of Ditch [1199]

APPENDIX 4

City Fields (Phase II, W Area)

Site Code: 05.31.17

Environmental Index

Sample No.	Context	Cut	Description/ Notes	Type
1	004	005	Greyish brown silty clay primary fill of Ditch 004	GBA
2	007	008	Yellowish red silty clay fill of Ditch Re-cut 008	GBA
3	015	016	Yellowish brown silty clay fill of Ditch 016	GBA
4	019	020	Yellowish brown silty clay sole fill of Ditch 020	GBA
5	023	026	Yellowish brown silty clay upper fill of Pit 026	GBA
6	024	026	Dark grey clay lower fill of Pit 026	GBA
7	024	026	As Sample 6	GBA
8	035	036	Yellowish brown silty clay sole fill of Ditch 036	GBA
9	029	030	Brownish yellow sandy clay primary fill of Ditch 030	GBA
10	033	034	Brownish yellow sandy clay primary fill of Ditch 034	GBA
11	037	038	Brownish yellow silty clay sole fill of Ditch 038	GBA
12	041	042	Orange brown silty clay sole fill of Pit 042	GBA
13	045	042	Ditto	GBA
14	047	042	Ditto	GBA
15	049	042	Ditto	GBA
16	054	055	Dk grey silt primary fill of Pit 055	GBA
17	068	070	Pebbly, brown silty clay primary fill of Ditch 070	GBA
18	058	059	Stony, grey clay primary fill of Ditch 059	GBA
19	021	022	Stony, brownish yellow sandy silt, sole fill of Ditch 022	GBA
20	071	072	Brownish yellow sandy silt, sole fill of Ditch 072	GBA
21	138	140	Greyish brown silty clay, secondary fill of Ditch [140]	GBA
22	131	134	Yellowish brown silty clay fill of Ditch 134	GBA
23	102	103	Blue grey silt sole fill of Ditch 103	GBA
24	090	091	Dk brown sandy silt fill of Pit 091	GBA
25	093	095	V dk brown sandy silt upper fill of Pit 095	GBA
26	099	100	Lt brown sandy silt primary fill of Ditch 100	GBA
27	104	106	Stony, brown sandy silt upper fill of Ditch 106	GBA
28	107	109	Stony, brown sandy silt upper fill of Ditch 109	GBA
29	082	083	Greyish brown silty sand fill of Ditch 081	GBA
30	085	089	Band of charcoal within Ditch 089	Spot
31	088	089	Greyish brown sandy clay primary fill of Ditch 089	GBA
32	124	125	Reddish brown, charcoal rich clay sand, primary	GBA

Sample No.	Context	Cut	Description/ Notes	Type
			fill of Ditch 125	
33	116	117	Greyish brown silty clay primary fill of Ditch 117	GBA
34	118	119	Stony brown silt sole fill of Posthole 119	GBA
35	120	121	Charcoal rich, brown silt sole fill of Posthole 121	GBA
36	127	138	Greyish brown sandy silt primary fill of Ditch 128	GBA
37	141	142	V dk grey sandy clay sole fill of Posthole 142	GBA
38	143	144	Brownish grey clay sole fill of Pit 144	GBA
39	146	147	Yellowish brown silty sand primary fill of Ditch 147	GBA
40	148	149	Greyish brown clay silt sole fill of Ditch 149	GBA
41	164	166	Brown sandy silt upper fill of Ditch 166	GBA
42	165	166	Yellowish brown sandy silt basal fill of Ditch 166	GBA
43	167	168	Stony, brown sandy silt sole fill of Ditch 168	GBA
44	196	197	Stony, brown clay sand fill of Post pad 197	GBA
45	198	199	Greyish brown clay sand fill of Posthole 199	GBA
46	173	174	Brown silt sole fill of Posthole 174	GBA
47	170	172	Brown clay silt secondary fill of Ditch 172	GBA
48	024	026	Reddish brown, charcoal rich clay primary fill of Pit 026 (NW corner)	GBA
49	024	026	Reddish brown, charcoal rich clay, primary fill of Pit 026 (SE corner)	GBA
50	175	176	Brown silt, sole fill of Posthole 176	GBA
51	178	179	Greyish brown sand silt, only fill of Posthole 179	GBA
52	180	181	Greyish brown sandy silt, only fill of Posthole 181	GBA
53	190	191	Brown silt, only fill of Posthole 191	GBA
54	192	193	Brown silt, only fill of Posthole 193	GBA
55	194	195	Dk grey clay, only fill of Stakehole 195	GBA
56	209	210	Dk brown sandy silt primary fill of Pit 210	GBA
57	211	212	Yellowish brown clay sand fill of Posthole 212	GBA
58	214	216	Brown silty sand, upper fill of Ditch 216	GBA
59	204	205	Greyish brown sandy clay fill of Ditch 205	GBA
60	217	218	Brown silt fill of Post pad 218	GBA
61	221	222	Greyish brown sandy clay fill of Pit 222	GBA
62	219	220	Brown silt, only fill of Gully Terminal 220	GBA
63	228	229	Reddish brown clay silt primary fill of Pit 229	GBA
64	230	231	Brown silty clay fill of Gully Terminal 231	GBA
65	251	252	Blue grey silt, sole fill of Gully 251	GBA
66	247	248	Charcoal rich brown clay primary fill of Pit 248	GBA
67	239	240	Brown clay silt fill of Gully 240	GBA
68	257	259	Brown sandy silt upper fill of Pit 259	GBA
69	255	256	Stony, brown sandy silt upper fill of Gully 259	GBA
70	262	263	Greyish brown sandy silt, only fill of Posthole 263	GBA
71	264	265	Greyish brown sandy silt, only fill of Posthole 265	GBA

Sample No.	Context	Cut	Description/ Notes	Type
72	271	273	Brown clay silt secondary fill of Ditch 273	GBA
73	274	275	Greyish brown sandy silt, only fill of Posthole 275	GBA
74	276	277	Brown clay silt, only fill of Gully Terminal 277	GBA
75	278	279	Stony, brown clay silt, only fill of Gully 279	GBA
76	280	281	Stony, yellowish brown clay silt fill of Gully 281	GBA
77	211	212	Stony, brown sandy clay, only fill of Posthole 212	GBA
78	283	282	Brown clay sand, only fill of Ditch 282	GBA
79	284	285	Brown clay silt , only fill of Pit 285	GBA
80	268	269	Brown silty clay, only fill of Pit 269	GBA
81	294	297	Greyish brown sandy silt, upper fill of Pit 297	GBA
82	307	308	Brown sandy silt fill of Gully Terminal 308	GBA
83	309	310	Brown sandy silt fill of Gully Terminal 310	GBA
84	312	313	Greyish brown sandy silt, only fill of Gully 313	GBA
85	292	293	Brown silt, only fill of Pit 293	GBA
86	301	302	Dk brown clay silt, only fill of Pit 302	GBA
87	299	300	Blue grey clay silt, lower fill of Ditch 300	GBA
88	331	330	Dk brown sandy clay fill of Pit 330	GBA
89	332	330	Red clay fill of Pit 330	GBA
90	334	333	Brown silty clay fill of Posthole 333	GBA
91	336	335	Dk brown clay sand fill of Posthole 335	GBA
92	350	351	Brown silt fill of Posthole 351	GBA
93	363	365	Brown sandy silt fill of Pit 365	GBA
94	364	365	Greyish brown sandy silt; basal fill of Pit 365	GBA
95	359	360	Brown silty clay fill of Posthole 360	GBA
96	366	367	Brown silty clay fill of Posthole 367	GBA
97	368	369	Brown silty clay fill of Posthole 369	GBA
98	369	370	Brown silty clay fill of Posthole 370	GBA
99	337	338	Greyish brown sandy silt fill of Posthole 338	GBA
100	339	341	DK greyish brown sandy silt fill of Posthole 341	GBA
101	340	341	Greyish brown sandy silt fill of Posthole 341	GBA
102	342	344	Greyish brown sandy silt fill of Posthole 344	GBA
103	345	346	Greyish brown sandy silt fill of Posthole 346	GBA
104	372	373	Brown sandy silt fill of Posthole 373	GBA
105	374	376	Dk brown clay silt upper fill of Posthole 376	GBA
106	377	378	Dk brown clay silt upper fill of Posthole 378	GBA
107	380	379	Dk brown silty sand fill of Posthole 379	GBA
108	382	381	Dk brown silty sand fill of Posthole 381	GBA
109	384	383	Dk brown silty sand fill of Posthole 383	GBA
110	393	394	Greyish brown sandy silt fill of Posthole 394	GBA
111	389	390	Greyish brown sandy silt primary fill of Gully 390	GBA
112	355	356	Lt brown sandy silt primary fill of Gully 356	GBA
113	405	406	Greyish brown sandy silt fill of Ditch 406	GBA

Sample No.	Context	Cut	Description/ Notes	Type
114	411	412	Brown sandy silt fill of Posthole 412	GBA
115	413	414	Brown sandy silt fill of Posthole 414	GBA
116	420	421	Dk brown clay silt fill of Posthole 421	GBA
117	428	429	Greyish brown silty sand fill of Posthole 429	GBA
118	466	465	Greyish brown sandy silt fill of Gully 465	GBA
119	468	467	Greyish brown sandy silt fill of Gully 467	GBA
120	470	469	Greyish brown sandy silt fill of Posthole 469	GBA
121	472	471	Greyish brown sandy fill of Posthole 471	GBA
122	480	479	Brown sandy silt fill of Pit 479	GBA
123	483	484	Yellowish brown silty clay fill of Posthole 484	GBA
124	486	487	Dk greyish brown clay silt fill of Pit 487	GBA
125	490	491	Greyish brown clay silt fill of Ditch 491	GBA
126	482	481	Brown silty clay fill of Pit 481	GBA
127	508	507	Greyish brown clay sand, primary fill of Ditch 507	GBA
128	612	613	Blue grey clay silt, primary fill of Gully 613	GBA
129	614	615	Reddish brown silty clay fill of Ditch 615	GBA
130	616	617	Greyish brown silty clay fill of Ditch 617	GBA
131	510	511	Yellowish brown silty clay fill of posthole 511	GBA
132	589	590	Dk brown silty clay fill of Posthole 590	GBA
133	519	520	Greyish brown silty clay fill of Posthole 520	GBA
134	523	524	Brown silt fill of Posthole 524	GBA
135	559	560	Brown silty clay fill of Posthole 560	GBA
136	541	542	Brown silty clay fill of Posthole 542	GBA
137	557	558	Orange brown silty clay fill of Posthole 558	GBA
138	543	544	Greyish brown silty clay fill of Posthole 544	GBA
139	549	550	Dk brown silty clay fill of Posthole 550	GBA
140	597	598	Brownish grey clay silt fill of Posthole 598	GBA
141	595	596	Brownish grey clay silt fill of Posthole 596	GBA
142	593	594	Brownish grey clay silt fill of Posthole 594	GBA
143	599	600	Brownish grey clay silt fill of Posthole 600	GBA
144	585	586	Brown silty clay fill of Posthole 586	GBA
145	587	588	Greyish brown silt fill of Posthole 588	GBA
146	603	604	Brownish yellow silty clay fill of Postpipe 606	GBA
147	601	602	Brownish grey clay silt fill of Posthole 602	GBA
148	577	578	Brown sandy silt fill of Posthole 578	GBA
149	579	580	Brown silt fill of Posthole 580	GBA
150	575	576	Brown silt fill of Posthole 576	GBA
151	573	574	Brown silty clay fill of Posthole 574	GBA
152	571	572	Greyish brown sandy silt fill of Posthole 572	GBA
153	533	534	Greyish brown clay silt fill of Posthole 534	GBA
154	525	526	Dk greyish brown silty clay fill of Posthole 526	GBA
155	591	592	Greyish brown silty clay fill of Posthole 592	GBA

Sample No.	Context	Cut	Description/ Notes	Type
156	631	630	Yellowish brown clay silt fill of Ditch 630	GBA
157	627	626	Dk reddish brown clay silt fill of Pit 626	GBA
158	629	628	Dk reddish brown clay silt fill of Pit 628	GBA
159	438	439	Greyish brown silty sand fill of Ditch 439	GBA
160	453	454	Brown sandy silt fill of Gully 454	GBA
161	642	643	Greyish brown clay silt fill of Posthole 643	GBA
162	644	645	Greyish brown silty clay fill of Posthole 645	GBA
163	650	285	Burnt silty primary fill of Pit 285	GBA
164	652	656	Thin layer of charcoal within Pit 656	GBA
165	653	656	Brown sandy clay basal fill of Pit 656	GBA
166	666	667	Yellowish brown clay silt fill of Pit 667	GBA
167	668	667	Brown clay silt fill Posthole 667	GBA
168	671	672	Brown silty clay fill of Gully 672	GBA
169	080	081	Greyish brown clay silt upper fill of Ditch 081	GBA
170	674	675	Greyish brown clay silt primary fill of Ditch 675	GBA
171	680	678	Yellowish brown clay sand fill of Pit 678	GBA
172	682	678	Yellowish brown clay sand fill of pit 678	GBA
173	676	677	Dk greyish brown silty clay fill of Ditch 677	GBA
174	688	689	Brown clay silt fill of Ditch 689	GBA
175	691	692	Brownish grey silty clay primary fill of Ditch 692	GBA
176	694	695	Brownish grey silty clay primary fill of Ditch 695	GBA
177	696	967	Greyish brown clay silt fill of Pit 967	GBA
178	700	701	Greyish brown silty clay fill of Ditch 701	GBA
179	702	703	Greyish brown silty clay fill of Ditch 703	GBA
180	706	709	Dk grey sandy silt within metal vessel 707	GBA
181	054	655	Dk grey silty clay lower fill of Pit 054	GBA
182	715	716	Blue grey silty clay primary fill of Ditch 716	GBA
183	725	726	Blue grey silty clay primary fill of Ditch 726	GBA
184	730	732	Greyish brown clay silt fill of Ditch 732	GBA
185	734	735	Lt grey clay silt primary fill of Ditch 735	GBA
186	737	738	Lt grey clay silt primary fill of Ditch Terminal 738	GBA
187	740	741	Lt grey silty clay primary fill of Ditch 741	GBA
188	745	746	Dk grey silty clay primary fill of Ditch 746	GBA
189	747	748	Dk brown silty clay fill of Ditch 748	GBA
190	749	750	Dk greyish brown clay silt fill of Gully 750	GBA
191	751	753	Dk greyish brown clay silt upper fill of Pit 753	GBA
192	752	753	Grey clay primary fill of Pit 753	GBA
193	754	755	Orange brown primary fill of Pit 755	GBA
194	758	759	Brown clay silt fill of Ditch 757	GBA
195	760	761	V dk grey silty clay fill of Pit 761	GBA
196	768	769	Dk grey silty clay fill of Posthole 769	GBA
197	770	771	Dk grey silty clay fill of Posthole 771	GBA

Sample No.	Context	Cut	Description/ Notes	Type
198	772	773	Yellowish grey silty clay fill of Postpipe 773	GBA
199	775	776	Grey clay fill of Pit 776	GBA
200	777	778	Blue grey silty clay fill of Ditch Terminal 778	GBA
201	785	786	Blue grey clay primary fill of Pit 786	GBA
202	789	790	Grey clay primary fill of Pit 790	GBA
203	791	792	Blue grey silty clay fill of Pit 792	GBA
204	793	796	Dk grey silty clay sand fill of Posthole 796	GBA
205	799	800	Blue grey clay primary fill of Ditch 800	GBA
206	801	802	Blue grey clay fill of Ditch Terminal 802	GBA
207	797	798	Dk grey clay sand fill of Gully Terminal 798	GBA
208	814	815	Dk grey clay sand fill of Pit 815	GBA
209	816	817	Dk grey clay sand fill of Gully Terminal 817	GBA
210	803	805	Dk yellowish brown silty clay fill of Pit 805	GBA
211	812	813	Dk yellowish brown silty clay fill of Posthole 813	GBA
212	821	822	Reddish grey silty clay fill of Posthole 822	GBA
213	823	827	Grey silty clay upper fill of Pit 827	GBA
214	838	839	Grey clay silt fill of Posthole 839	GBA
215	831	837	Grey silty clay fill of Structure 837	GBA
216	833	837	V dk grey silt fill of Structure 837	GBA
217	828	830	Dk grey silty clay upper fill of 'Stokehole' 830	GBA
218	829	830	Grey silty clay lower fill of 'Stokehole' 830	GBA
219	833	830	V dk grey silt fill of 'Stokehole' 830	GBA
220	833	830	As Sample 219	GBA
221	828	830	As Sample 217	GBA
222	833	836	As Sample 216	GBA
223	833	836	As Sample 216	GBA
224	832	837	Yellowish red clay fill of Structure 837	GBA
225	828	837	As Sample 217	GBA
226	842	843	Dk greyish brown silty clay fill of Posthole 843	GBA
227	844	846	Dk brown charcoal rich clay silt fill of Pit 846	GBA
228	848	849	Dk brownish grey clay sand fill of Pit 849	GBA
229	852	854	Reddish brown clay silt fill of Ditch 854	GBA
230	855	856	Grey silty clay fill of Ditch 856	GBA
231	866	867	Blue grey clay primary fill of Ditch 867	GBA
232	871	872	Yellowish grey clay primary fill of Ditch 872	GBA
233	876	877	Dk brown clay fill of Ditch 877	GBA
234	878	879	Brownish grey silty clay fill of Ditch 879	GBA
235	883	884	Brownish grey silty clay primary fill of Ditch 884	GBA
236	890	891	Blue grey clay primary fill of Ditch 891	GBA
237	899	893	Greyish brown clay silt fill of Gully 893	GBA
238	906	907	Brown clay silt fill of Gully 907	GBA
239	910	911	Brown silty clay fill of Gully 911	GBA

Sample No.	Context	Cut	Description/ Notes	Type
240	914	915	Brown silty clay fill of Ditch 915	GBA
241	912	913	Orange brown clay silt fill of Ditch Terminal 913	GBA
242	885	886	Grey silty clay fill of Pit 886	GBA
243	894	895	Yellowish brown sandy silt fill of Ditch 895	GBA
244	896	897	Greyish brown clay silt fill of Gully 897	GBA
245	909	908	Grey silt fill of Ditch 908	GBA
246	918	919	Greyish brown silty clay fill of Gully 919	GBA
247	920	921	Greyish brown silty clay fill of Gully 921	GBA
248	924	925	Brownish grey silty clay upper fill of Ditch 925	GBA
249	926	927	Brown clay silt upper fill pf Ditch 927	GBA
250	928	929	Dk brown clay silt fill of Pit 929	GBA
251	933	934	Greyish brown clay silt fill of Gully 934	GBA
252	922	923	Greyish brown silty clay fill of Gully 923	GBA
253	930	932	Greyish brown silty clay main fill of Posthole 932	GBA
254	938	892	Brown silty clay primary fill of Ditch 892	GBA
255	941	942	Yellowish grey silty clay fill of Ditch 942	GBA
256	943	944	Grey silt fill of Ditch 944	GBA
257	945	946	Greyish brown silty clay fill of Gully 946	GBA
258			No. not used	
259	952	955	Yellowish brown silty clay main fill of Ditch 955	GBA
260	956	957	Brown silty clay fill of Gully 957	GBA
261	958	959	Greyish brown silty clay fill of Ditch 959	GBA
262	968	969	Dk brown clay silt fill of Gully 969	GBA
263	970	971	Dk grey silt fill of Posthole 971	GBA
264	974	977	Greyish brown silty clay fill of Ditch Terminal 977	GBA
265	965	967	Yellowish brown silty clay fill of Ditch 967	GBA
266	966	967	Orange brown silty clay fill of Ditch 967	GBA
267	987	988	Blue grey silty clay primary fill of Ditch 688	GBA
268	994	996	Yellowish grey clay primary fill of Ditch 996	GBA
269	997	998	Dk grey silty clay fill of Pit 998	GBA
270	999	1000	Dk grey silty clay fill of Pit 1000	GBA
271	984	985	Grey silt fill of Ditch 985	GBA
272	1001	1002	Grey clay silt fill of Pit 1002	GBA
273	1005	1006	Grey clay silt primary fill of Ditch 1006	GBA
274	1014	1017	Olive grey silty clay fill of Ditch 1017	GBA
275	1016	1017	Orange grey silty clay primary fill of Ditch 1017	GBA
276	1018	1019	Brown silty clay fill of Ditch 1019	GBA
277	1047	1048	Brown silty clay fill of Pit 1048	GBA
278	1045	1046	Grey orange primary fill of Ditch 1046	GBA
279	1051	1052	Lt orange grey clay primary fill of Ditch 1052	GBA
280	1054	1055	Greyish brown silty clay primary fill of Ditch 1055	GBA
281	1062	1063	Orange grey silty sand primary fill of Ditch 1063	GBA

Sample No.	Context	Cut	Description/ Notes	Type
281	1072	1073	Grey silty clay fill of Re-cut 1073 (No. doubled)	GBA
282	1074	1075	Yellowish grey clay primary fill of Ditch 1075	GBA
283	1068	1068	Blue grey clay fill of Ditch 1071	GBA
284	1080	1081	Greyish brown clay fill of Ditch 1081	GBA
285	1082	1083	Greyish brown clay fill of Ditch 1083	GBA
286	1085	1086	Grey silty clay fill of Ditch 1086	GBA
287	1096	1097	Brown silty clay fill of Gully 1097	GBA
288	1101	1102	Mottled grey silty clay primary fill of Ditch 1102	GBA
289	1103	1104	Greyish brown clay silt fill of Posthole 1104	GBA
290	1105	1106	Greyish brown clay silt fill of Posthole 1106	GBA
291	1108	1110	Greyish brown silty clay fill of Ditch 1110	GBA
292	1119	1120	Greyish brown clay primary fill of Ditch 1120	GBA
293	1116	1117	Blueish grey clay Primary fill of Ditch 1117	GBA
294	1111	1112	Grey silty clay primary fill of Ditch 1112	GBA
295			Void	
296	1130	1131	Greyish brown clay silt fill of Posthole 1131	GBA
297	1132	1133	Greyish brown clay silt fill of Posthole 1133	GBA
298	1146	1148	Blue grey silty clay fill of Ditch Terminal 1148	GBA
299	1149	1148	Dk grey silt fill of Ditch Terminal 1148	GBA
300	1147	1148	Orange grey silty clay primary fill of Ditch 1148	GBA
301-306			Nos. not used	
307	1150	1151	Greyish brown silty clay fill of Gully 1151	GBA
308	1153	1154	Grey clay primary fill of Ditch 1154	GBA
309	1156	1157	Greyish brown silty clay primary fill of Ditch 1157	GBA
310	1171	1173	Brownish grey silty clay upper fill of Ditch 1173	GBA
311	1172	1173	Grey clay primary fill of Ditch 1173	GBA
312	1174	1176	Grey clay silt upper fill of Ditch 1176	GBA
313	1178	1179	Greyish brown silty clay primary fill of Ditch 1179	GBA
314	1180	1181	Grey silty clay fill of Ditch 1181	GBA
315	1182	1183	Brownish grey silty clay fill of Ditch 1183	GBA
316	1184	1185	Blue grey silty clay of Ditch 1185	GBA
317	1188	1190	Grey clay silt upper fill of Ditch 1190	GBA
318	1196	1197	Brownish grey silty clay fill of Ditch 1197	GBA
319	1217	1218	Brownish grey silty clay fill of Ditch 1218	GBA
320	1210	1211	Grey silty clay primary fill of Ditch 1211	GBA
321	1225	1227	Brown clay silt secondary fill of Ditch 1227	GBA
322	1253	1254	Grey clay primary fill of Ditch 1254	GBA
323	1255	1256	Brownish grey clay fill of Ditch 1256	GBA
324	1263	1264	Brownish grey clay fill of Ditch 1264	GBA
325	1265	1266	Brownish grey clay fill of Ditch 1266	GBA
326	1267	1268	Brown clay fill of Ditch 1268	GBA
327	1271	1272	Brownish grey silty clay fill of Ditch 1272	GBA

APPENDIX 5

City Fields (Phase II, W Area)

Site Code: 05.31.17

Finds Index

Context	Material	Total	Description	Wt (g)
006	Pottery	3	bead/flanged mort.	251
015	Pottery	3	3 rim sherds	202
017	Pottery	2	flanged rim bowl	47
019	Pottery	1	neck	22
037	Pottery	1	body	10
058	Pottery	4	mort. + flanged bowl rims	282
066	Fe	1	Iron corner bracket	
077	Pottery	42	incl. 2 jar rims	415
080	Pottery	102	incl. 5 rim, 1 base	2188
088	Pottery	1	rim	24
092	Pottery	1	flanged rim bowl	28
110	Pottery	1	1 base sherd	39
131	Pottery	1	1 body sherd	20
138	Animal bone	150		
141	Pottery	6	6 body sherds	17
169	Pottery	1	base	129
284	Pottery	4	3 rim, 1 body sherds	17
334	Burnt clay	7		38
531	Pottery	1	1 body sherd	12
	Stone	1	Spindle whorl	
650	Burnt clay	17	loom weight, drilled hole	33
695	Pottery	1	bead rim dish	39
706	Animal bone	1		
707	Fe	1	Iron container	
751	Burnt clay	3		18
760	CBM	1	brick frag. 19C+	279
821	Burnt clay	27	incl. 17 plate frags.	151
823	Burnt clay	3	poss. Brick	35
828	Burnt clay	40	incl. 1 daub frag.	1288
831	Burnt clay	15		162
833	Burnt clay	5		65
838	Burnt clay	5	incl. 1 plate frag.	84
848	Burnt clay	12		117
903	Burnt clay	8		33

Context	Material	Total	Description	Wt (g)
828	Pottery	3	3 body sherds	19
833	Pottery	15	15 body sherds	79
880	Burnt clay	9		89
937	Pottery	2	2 body sherds	120
	Burnt clay	9		76
960	Pottery	2	2 body sherds	64
1038	Burnt clay	15		73
1172	Pottery	183	32 rim, 17 base, 137 body	1269
	Burnt clay	11		677
1174	Pottery	4	1 base, 4 body sherds	16
1180	Pottery	10	1 rim, 1 base, 8 body sherds	45
1184	Fe	1	Axe head	
1188	Pottery	17	1 rim, 1 base, 15 body	166
1172	CBM	3	tegula frags.	408
1224	Pottery	1	1 rim sherd	24
1225	Pottery	7	2 rim, 1 base, 4 body	281

Appendix 6

City Fields, Wakefield, West Yorkshire 05-31-17

Carbonised Plant Macrofossils and Charcoal

Diane Alldritt

1: Introduction

A total of two hundred and ninety environmental sample flots taken during archaeological excavation work in advance of housing development at City Fields, Wakefield, West Yorkshire (MAP 05-31-17) were examined for carbonised plant macrofossils and charcoal.

The excavations revealed evidence for a series of ditch and enclosure systems as well as producing a number of pit and posthole features. A potential corn drier was also uncovered. Samples were examined from pit, ditch, gully and posthole features and also from the corn drier, with substantial quantities of carbonised remains including charcoal and cereal grain found from some of the pits as well as from the drier. The remains indicated possible Prehistoric activity taking place and provided potential evidence for the presence of Iron Age / Romano-British and Medieval agricultural settlement. Coal and clinker were prevalent throughout the samples reflecting more recent coal extraction and other Post Medieval industrial activity taking place in the vicinity. Material suitable for radiocarbon dating has been identified from a number of features which will enable a firmer timeframe for the span of occupation activity to be established.

2: Methodology

The bulk environmental samples were processed by MAP Archaeological Practice Ltd. using a Siraf style water flotation system (French 1971). The samples were 5litres up to 20litres in volume. The flots were dried before examination under a low power binocular microscope typically at x10 magnification. All identified plant remains including charcoal were removed and bagged separately by type.

Wood charcoal was examined using a high powered Vickers M10 metallurgical microscope at magnifications up to x200. The reference photographs of Schweingruber (1990) were consulted for charcoal identification. Plant nomenclature utilised in the text follows Stace (1997) for all vascular plants apart from cereals, which follow Zohary and Hopf (2000).

3: Results

The environmental samples produced some large quantities of carbonised plant remains <2.5ml up to 2500ml in volume, although the majority of recovery was at the lower end. The carbonised material consisted of substantial deposits of cereal grain mainly recorded from the pit and corn drier feature, with large amounts of wood charcoal 0.5cm to 3.0cm in size recovered from some of the pits and postholes. For the purposes of assessment and to provide radiocarbon dating material 1% to 10% of grain from the larger cereal deposits has been identified.

Trace amounts of hazel nutshell and a scatter of weeds of arable and pastoral land were also identified. Modern remains were present in amounts <2.5ml up to 5ml in volume and included root detritus with small amounts of modern seeds and earthworm egg capsules suggesting bioturbation was possible through the deposits. Coal and clinker were prevalent throughout the deposits and reflected Post Medieval coal extraction and other recent activity taking place in the vicinity.

Results are given in table 1 and discussed below.

4: Discussion

Pit Features

The pit features produced substantial quantities of carbonised remains with recovery of both charcoal and cereal grain.

Five samples from pit [026] upper fill (023) and lower fill (024) indicated this feature was probably a substantial fire pit with large volumes of *Quercus* (oak) recorded - perhaps this was an earlier Prehistoric feature. Similarly pits [678] upper (682) and lower (680) and [846] (844) contained large volumes of oak charcoal and could both also be earlier fire pits. Smaller deposits of oak were recorded from pits [229] (228) and [365] (364), [479] (480), [660] (650), [697] (696), [805] (803), [827] (823) possibly dumped fuel waste or material burnt in situ. Other types of charcoal were also recorded from some of the pit features with pit [142] (141) found to contain *Betula* (birch), whilst [285] (284), [269] (268) and [373] (372), [1000] (999) contained nicely preserved *Corylus* (hazel) charcoal and pit [293] (292) had *Alnus* (alder) charcoal, all of which could be radiocarbon dated. Pit [753] (751) contained both oak and hazel whilst fire pit [761] (760) had a substantial deposit of mixed charcoal consisting of oak, hazel and birch, perhaps hazel and birch were being used as kindling for larger oak fires.

Pit [055] (054) produced a large and significant deposit of mixed cereal grain, probably waste turned out from a corn drier although the quantity and high level of preservation suggested this pit may have been the basal remains of an ad hoc corn drier with material burnt in situ. The pit contained a small amount of oak fuel waste in 2.0cm and 3.0cm 'chunks', but the main constituent of the sample was cereal grain numbering into many thousands, mostly *Secale cereale* (rye) with a

small amount of *Hordeum vulgare* var. *vulgare* (six row hulled barley), *Triticum aestivum* (bread wheat) and *Avena* sp. (oat). This pit is possibly related to Medieval agricultural activity in the area and the rye cereal grain would be suitable for radiocarbon dating.

Feature [?] (181) was possibly also a pit / corn drier base similar to pit [055] as this too contained a large deposit of cereal grain together with 2.0cm to 3.0cm oak charcoal probably fuel waste or a burnt structural element. Fill (181) largely consisted of rye cereal grain with smaller quantities of barley, bread wheat and oat all very well preserved and probably burnt in situ. A few *Stellaria media* (chickweed) seeds were also present, and this was probably growing as a weed of arable land and brought in with the crop harvest.

Pit [330] (331) produced a large cache of well-preserved oat cereal grain with no other types of grain present indicating a potential single episode of cereal drying, together with *Persicaria lapathifolia* (pale persicaria) and *Danthonia decumbens* (heathgrass) possibly weeds of cultivation or material brought in with turves cut for fuel.

Pits [083] (082) and [095] (093) contained substantial amounts of coal suggesting these were probably remains from recent coal extraction.

Posthole Features

Posthole [042] (041) produced a deposit of 1.5cm flat fragments of oak charcoal whilst posthole [048] (047) also contained oak in 0.5cm crushed pieces and posthole [050] (049) held a small amount of alder charcoal, potentially structural remains burnt in situ. Similarly postholes [179] (178), [297] (294) and [367] (366) contained deposits of oak either fuel waste or burnt structural material.

Posthole [263] (262) contained traces of oat and barley cereal grain whilst [275] (274) contained a single oat grain, perhaps sweepings from an internal hearth place used for cooking. Postholes [333] (334), [335] (336), [341] (339) and (340) and [394] (393) and stakehole [346] (345) were probably part of a domestic formation or agricultural structure with large caches of oat cereal grain found in all, whilst [333] also had oak charcoal and a single *Pisum sativum* (garden pea), probably a mixture of fuel and food waste swept from a cooking or drying hearth. Posthole [341] also had oak charcoal and small amounts of bread wheat and rye grain, although the majority of cereal found here was oat, and stakehole [346] contained hazel charcoal. A smaller amount of oat cereal was found in [383] (384).

Postholes [429] (428), [796] (793), [822] (821) had a few grains of *Triticum dicoccum* (emmer wheat) perhaps residual or reflecting an element of Prehistoric / Iron Age settlement.

Postholes [511] (510), [520] (519), [544] (543), [574] (573), [600] (599), [606] (603), [932] (930) contained small caches of oak charcoal, whilst posthole [560] (559) had a single fragment of hazel charcoal, perhaps fuel waste or structural elements. Posthole [572] (571) had traces of rye grain. Postholes [769] (768), [771] (770), [813] (812) and [839] (831) had larger volumes of oak, perhaps post remains burnt in situ, with [773] (772) and [843] (842) contained oat grain in good condition probably swept from internal hearths.

Corn Drier [837]

Nine samples were examined from the corn drier structure [837] with carbonised remains including charcoal and cereal grains found throughout. Slot 3 (828) and slot 5 (828) contained oak charcoal fuel waste. Slot 5 (828) also produced a small

concentration of oat grain with trace finds of bread wheat whilst slot 6 (828) had a small deposit of degraded oats. The slots taken through deposit (833) also produced cereal grain but with more substantial amounts of oak charcoal present, perhaps some of the oak was burnt structural timber as well as fuel. Slot 2 (833) contained a single rye grain in good condition. Slot 5 (833) South had 2.0cm flat fragments of oak charcoal, oat and bread wheat grains and a few well-preserved fragments of hazel nutshell, perhaps food roasted alongside the grain. Slot 6 (833) inner produced a large cache of oak charcoal, a few hazel nutshell fragments and a mixture of oat, bread wheat and rye cereal. Interestingly slot 6 (833) outer produced only oak charcoal, perhaps a fuel reservoir or structural remains. Slot 6 (832) main fill contained only trace charred detritus suggesting this was probably regularly cleaned out. Upper fill (831) contained only a stray indeterminate grain, possibly bread wheat type.

Ditch and Gully Features

The ditch features were largely found to be sterile or contained only trace charred detritus suggesting some of these features may have been field boundaries or land divisions, with some possibly Post Medieval in date. A few of the ditches produced cereal grain and charcoal and these were probably located nearer to areas of settlement and agricultural related burning activity.

Small quantities of charcoal were recorded from some of the ditches with oak found in [020] (019), [059] (058), [134] (131), [615] (614), [738] (737), [746] (745), [944] (943), [1017] (1014), [1083] (1082), [1148] (1149) and [1211] (1210). Ditch [100] (099) contained a small concentration of rye grain with traces of degraded rye cereal also found in ditch [022] (021). Ditch [106] (104) produced a small deposit of bread wheat in slightly rubbed condition. Ditches [630] (631) and [921] (920) had a few trace fragments of hazel nutshell probably residual from earlier activity. Ditch

[675] (674) contained trace degraded barley cereal whilst ditch [732] (730) had traces of rye and oat in similar condition. Ditch [927] (926) and ditch terminus [1148] (1146) had stray fragments of alder charcoal and ditch [1183] (1182) had a sliver of birch probably residual.

Ditch [967] (966) contained a mixed deposit of well-preserved cereal grain that had probably been dumped directly from a corn drier. The cereal was mostly oat with lesser amounts of rye, barley and bread wheat, together with a single *Vicia asp.* (vetches) possibly also a cultivar and an *Anthemis arvensis* (corn chamomile) a weed of arable land. Ditch [1006] (1005) contained a trace of degraded oat and indeterminate grain possibly wind-blown or trampled material.

Gully terminus [310] (309) had trapped a small quantity of alder charcoal and a barley grain whilst gully [750] (749) had oak charcoal together with oat and bread wheat cereal grain, probably hearth sweepings from domestic activity.

5: Conclusion

The environmental samples produced substantial volumes of carbonised plant remains consisting of large concentrations of cereal grain and charcoal located in the pit, posthole and corn drier features. The ditch features contained generally less with only trace charred detritus recovered therefore many of these were probably field boundaries or more recent Post Medieval land divisions. Coal and clinker found throughout the samples and sometimes in large concentrations for instance pits [083] and [095], reflected modern coal extraction and other industrial activity in the area.

Three substantial oak charcoal fire pits were recorded [026], [678] and [846] possibly representing isolated earlier Prehistoric features on the landscape. Oak

charcoal with mixtures of birch, alder and hazel was recorded from the other pits and was probably hearth fuel waste thrown out from domestic settlement, although some of these may also have been fire pits. Cereal rich pits [055], [330] and possibly pit? feature fill (181) contained large deposits of rye and oat cereal grain with smaller quantities of barley and bread wheat present, probably waste from cereal drying activity with the likelihood that the pits themselves were the basal remains of corn driers or that the material had not been moved far from the source of burning given the excellent preservation of remains. Seasonal temporary corn drying areas constructed solely of organic material would easily have combusted and collapsed destroying all grain within. Corn drier [837] contained deposits of mixed rye, bread wheat, oat and barley but not in the quantities recovered from the pits suggesting that the drier was probably regularly cleaned out and re-used.

Remains from the postholes indicated domestic agricultural settlement with cooking and possibly also cereal drying taking place within internal settings. In particular posthole groups [333], [335], [341], [394] and stakehole [346] indicated domestic activity with cereal grain and fuel waste recovered. Postholes [769], [771], [813] and [839] were possibly a series of large oak posts forming a substantial structure that was subsequently burnt in situ.

Radiocarbon dating of the deposits will assist in further refinement of the sequence of agricultural and domestic settlement of the site which potentially spans earlier Prehistoric activity, a period of Iron Age / Romano-British farming settlement, Medieval agricultural use and Post Medieval activity. Further excavation work at the site has a good potential to continue to produce significant deposits of cereal grain and charcoal.

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City Fields, Wakefield, West Yorkshire	Context	4	7	15	19	21	23	24	24	24	24	29	33	35	37	41	45
MAP 05-31-17	Sample	1	2	3	4	19	5	6	7	48	49	9	10	8	11	12	13
	Feature	ditch [004]	ditch [008]	ditch [010]	ditch [020]	ditch [022]	pit [026]	pit [026]	pit [026]	pit [026]	pit [026]	ditch [030]	ditch [034]	ditch [036]	ditch [038]	PH [042]	PH [046]
	Deposit						upper fill	lower fill	lower fill	NW	SE						
	Sample Volume (litres)	20	20	20	20	20	20	20	10	20	10	20	20	20	20	10	10
	Total CV	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	100ml	2500ml	100ml	250ml	1000ml	0	0	0	<2.5ml	20ml	<2.5ml
	Modern	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml
	Radiocarbon Y/N	N	N	N	N	Y cer	N	N	N	N	N	N	N	N	N	N	N
	Common Name																
Carbonised Cereal Grain and Chaff																	
<i>Avena sativa</i> grain in floret	common oat in chaff																
<i>Avena</i> sp.	oat																
<i>Triticum aestivum</i>	bread wheat																
<i>Triticum dicoccum</i>	emmer wheat																
<i>Triticum</i> sp.	wheat																
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																
<i>Hordeum vulgare</i> sl.	barley																
<i>Secale cereale</i>							2										
Indeterminate cereal grain (+embryo)																	
Other Cultivars																	
<i>Pisum sativum</i>	garden pea																
<i>Vicia</i> sp.	vetches																
Charcoal																	
<i>Quercus</i>	oak			3 (0.09g)		10 (4.55g)	20 (19.77g)	10 (5.76g)	10 (13.85g)	10 (7.80g)						10 (1.20g)	
<i>Corylus</i>	hazel																
<i>Betula</i>	birch																
<i>Alnus</i>	alder																
Indeterminate						1 (0.10g)											
Carbonised Wild Resources																	
<i>Corylus avellana</i> nutshell	hazel nutshell																
Carbonised Weeds																	
<i>Stellaria media</i>	chickweed																
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																
<i>Persicaria lapathifolia</i>	pale persicaria																
<i>Polygonum aviculare</i> sl.	knotgrass																
<i>Anthemis arvensis</i>	corn chamomile																
<i>Chrysanthemum segetum</i>	corn marigold																
<i>Danthonia decumbens</i>	heathgrass																
Other Remains																	
Clinker		10+									5+		1		15+		
Coal		1	5+								5+	5+	5+	5+			
Modern seeds					1												
Earthworm egg capsules							1										

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	54	58	69	71	80	82	85	88	90	93	99	102	104	107	116	118	120
Sample		16	18	17	20	169	29	30	31	24	25	26	23	27	28	33	34	35
Feature	pit [055] ditch [059] ditch [070] ditch [072] gully [081] pit [083] ditch [089] ditch [089] [091] pit [095] ditch [100] ditch [103] ditch [106] ditch [109] ditch [117] PH [119] PH [121]																	
Deposit	1st fill																	
Sample Volume (litres)		20	20	20	20	10	20	10	20	10	10	20	20	20	20	20	10	10
Total CV	1000ml <2.5ml <2.5ml <2.5ml 0 30ml 0 0 0 20ml 0 5ml 0 2.5ml 0 0 0 <2.5ml																	
Modern	<2.5ml <2.5ml <2.5ml <2.5ml <2.5ml <2.5ml <2.5ml <2.5ml 10ml 5ml <2.5ml <2.5ml <2.5ml <2.5ml <2.5ml <2.5ml 10ml																	
Radiocarbon Y/N	Y cer N N N N N N N N N Y cer N Y cer N N N N																	
Carbonised Cereal Grain and Chaff																		
Common Name	common oat in chaff																	
<i>Avena sativa</i> grain in floret	oat											1						
<i>Avena</i> sp.		1																
<i>Triticum aestivum</i>	bread wheat	8												10				
<i>Triticum dicoccum</i>	emmer wheat																	
<i>Triticum</i> sp.	wheat																	
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley	10										1						
<i>Hordeum vulgare</i> sl.	barley																	
<i>Secale cereale</i>		104										18						
Indeterminate cereal grain (+embryo)																		
Other Cultivars																		
<i>Pisum sativum</i>	garden pea																	
<i>Vicia</i> sp.	vetches																	
Charcoal																		
<i>Quercus</i>	oak	2 (3.09g)	1 (0.15g)			5 (4.31g)					5 (0.83g)							
<i>Corylus</i>	hazel																	
<i>Betula</i>	birch																	
<i>Alnus</i>	alder																	
Indeterminate																		
Carbonised Wild Resources																		
<i>Corylus avellana</i> nutshell	hazel nutshell																	
Carbonised Weeds																		
<i>Stellaria media</i>	chickweed	9																
<i>Chenopodium bonus-henricus</i>	Good-King-Henry											1						
<i>Persicaria lapathifolia</i>	pale persicaria																	
<i>Polygonum aviculare</i> sl.	knotgrass																	
<i>Anthemis arvensis</i>	corn chamomile																	
<i>Chrysanthemum segetum</i>	corn marigold																	
<i>Danthonia decumbens</i>	heathgrass																	
Other Remains																		
Clinker				5+														1
Coal			5+	10+		300+		20+		50+		2	5+	5+		100+		
Modern seeds												5+						
Earthworm egg capsules																		

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	131	138	141	143	146	148	164	165	170	173	175	178	181	190	192	196	198
Sample	Sample	22	21	37	38	39	40	41	42	47	46	50	51	54	53	54	44	45
Feature	Feature	ditch [134]	ditch [140]	pit [142]	PH [144]	ditch [147]	ditch [149]	ditch [166]	ditch [166]	ditch [172]	PH [174]	PH [176]	PH [179]		PH [191]	PH [193]	PH [197]	PH [199]
Deposit	Deposit																	
Sample Volume (litres)	Sample Volume (litres)	20	20	10	10	20	20	20	10	20	10	10	10	30			20	10
Total CV	Total CV	5ml	0 5ml		0 <2.5ml		0	0	0 <2.5ml		0	0 2.5ml	500ml	<2.5ml	5ml	<2.5ml	<2.5ml	0
Modern	Modern	<2.5ml	<2.5ml	<2.5ml	0 <2.5ml		0 <2.5ml	<2.5ml	<2.5ml	<2.5ml		0 <2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml
Radiocarbon Y/N	Radiocarbon Y/N	N	N	Y ch	N	N	N	N	N	N	N	N	Y cer	N	N	N	N	N
Common Name	Common Name																	
Carbonised Cereal Grain and Chaff																		
<i>Avena sativa</i> grain in floret	common oat in chaff																	
<i>Avena</i> sp.	oat																	1
<i>Triticum aestivum</i>	bread wheat																	3
<i>Triticum dicoccum</i>	emmer wheat																	
<i>Triticum</i> sp.	wheat						1											
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																	4
<i>Hordeum vulgare</i> sl.	barley																	
<i>Secale cereale</i>										1								88
Indeterminate cereal grain (+embryo)																		
Other Cultivars																		
<i>Pisum sativum</i>	garden pea																	
<i>Vicia</i> sp.	vetches																	
Charcoal																		
<i>Quercus</i>	oak	3 (0.34g)										3 (0.13g)	3 (13.61g)					
<i>Corylus</i>	hazel																	
<i>Betula</i>	birch			1 (0.27g)														
<i>Alnus</i>	alder																	
Indeterminate																		
Carbonised Wild Resources																		
<i>Corylus avellana</i> nutshell	hazel nutshell																	
Carbonised Weeds																		
<i>Stellaria media</i>	chickweed																	7
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																	
<i>Persicaria lapathifolia</i>	pale persicaria																	
<i>Polygonum aviculare</i> sl.	knotgrass																	
<i>Anthemis arvensis</i>	corn chamomile																	
<i>Chrysanthemum segetum</i>	corn marigold																	
<i>Danthonia decumbens</i>	heathgrass																	
Other Remains																		
Clinker			5+	20+		5+	5+	10+		20+				5+				
Coal		5+	20+	5+	5+	20+	5+	5+		5+					2		10+	5+
Modern seeds					1													
Earthworm egg capsules																		

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	211	214	217	219	221	228	230	239	247	251	255	257	262	268	271	274
Sample		77	58	60	62	61	63	64	67	66	65	69	68	70	80	72	73
Feature		PH [212]	ditch [216]	Ppad [218]	ditch term [220]	pit [222]	pit [229]	gully term [231]	gully [240]	pit [248]	gully [252]	gully [256]	pit [259]	PH [263]	pit [269]	ditch [273]	PH [275]
Deposit																	
Sample Volume (litres)		20	20	10	20	10	30	20	20	10	20	20	10	5	10	20	10
Total CV		2.5ml	<2.5ml	<2.5ml	0	2.5ml	20ml	5ml	10ml	2.5ml	0	0	0	<2.5ml	40ml	<2.5ml	<2.5ml
Modern		<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml
Radiocarbon Y/N		N	N	N	N	N	N	N	N	N	N	N	N	Y ch	N	N	N
Common Name																	
Carbonised Cereal Grain and Chaff																	
<i>Avena sativa</i> grain in floret	common oat in chaff																
<i>Avena</i> sp.	oat													1			1
<i>Triticum aestivum</i>	bread wheat		1														
<i>Triticum dicoccum</i>	emmer wheat																
<i>Triticum</i> sp.	wheat																
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																
<i>Hordeum vulgare</i> sl.	barley													1			
<i>Secale cereale</i>																	
Indeterminate cereal grain (+embryo)				1													
Other Cultivars																	
<i>Pisum sativum</i>	garden pea																
<i>Vicia</i> sp.	vetches																
Charcoal																	
<i>Quercus</i>	oak					1 (0.31g)		5 (0.30g)									
<i>Corylus</i>	hazel													4 (1.25g)			
<i>Betula</i>	birch																
<i>Alnus</i>	alder																
Indeterminate		1 (0.09g)															
Carbonised Wild Resources																	
<i>Corylus avellana</i> nutshell	hazel nutshell																
Carbonised Weeds																	
<i>Stellaria media</i>	chickweed																
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																
<i>Persicaria lapathifolia</i>	pale persicaria																
<i>Polygonum aviculare</i> sl.	knotgrass																
<i>Anthemis arvensis</i>	corn chamomile																
<i>Chrysanthemum segetum</i>	corn marigold																
<i>Danthonia decumbens</i>	heathgrass																
Other Remains																	
Clinker			5+										10+				
Coal		5+	5+		30+										5+		2
Modern seeds				1													2
Earthworm egg capsules												4					1

City Fields, Wakefield, West Yorkshire	Context	280	283	284	292	294	299	301	307	309	312	331	332	334	336	337	339
MAP 05-31-17	Sample	76	78	79	85	81	87	86	82	83	84	88	89	90	91	99	100
	Feature	gully term [281]	ditch [282]	pit [285]	pit [293]	PH [297]	ditch [300]	pit [302]	gully term [308]	gully term [310]	gully term [313]	pit [330]	pit [330]	PH [333]	PH [335]	pit [338]	PH [341]
	Deposit					upper fill											
	Sample Volume (litres)	20	20	20	10	10	20	10	10	10	20	10	10	20	<5	<5	<5
	Total CV	<2.5ml	<2.5ml	2.5ml	2.5ml	10ml	0	<2.5ml	0	10ml	<2.5ml	20ml	<2.5ml	25ml	2.5ml	2.5ml	20ml
	Modern	0	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0	<2.5ml
	Radiocarbon Y/N	N	N	Y ch	Y ch	N	N	N	N	Y ch	N	Y cer	Y cer	Y cer	Y cer	N	Y cer
	Common Name																
Carbonised Cereal Grain and Chaff																	
<i>Avena sativa</i> grain in floret	common oat in chaff																4
<i>Avena</i> sp.	oat											188	3	49	19		57
<i>Triticum aestivum</i>	bread wheat																1
<i>Triticum dicoccum</i>	emmer wheat							1									
<i>Triticum</i> sp.	wheat																
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																
<i>Hordeum vulgare</i> sl.	barley									1							1
<i>Secale cereale</i>																	
Indeterminate cereal grain (+embryo)					1										1		
Other Cultivars																	
<i>Pisum sativum</i>	garden pea													1			
<i>Vicia</i> sp.	vetches																
Charcoal																	
<i>Quercus</i>	oak					5 (0.58g)							3 (2.03g)		1 (0.06g)	2 (0.25g)	
<i>Corylus</i>	hazel			1 (0.14g)													
<i>Betula</i>	birch																
<i>Alnus</i>	alder				1 (0.09g)				3 (0.40g)								
Indeterminate																	
Carbonised Wild Resources																	
<i>Corylus avellana</i> nutshell	hazel nutshell																
Carbonised Weeds																	
<i>Stellaria media</i>	chickweed																
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																
<i>Persicaria lapathifolia</i>	pale persicaria											1					
<i>Polygonum aviculare</i> sl.	knotgrass																
<i>Anthemis arvensis</i>	corn chamomile																
<i>Chrysanthemum segetum</i>	corn marigold			1													
<i>Danthonia decumbens</i>	heathgrass											1					
Other Remains																	
Clinker																	
Coal			20+				5+			5+			2				
Modern seeds																	
Earthworm egg capsules																	

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	345	350	355	359	363	364	366	368	370	372	374	377	380	382	384	389	393	405
Sample		103	92	112	95	93	94	96	97	98	104	105	106	107	108	109	111	110	112
Feature		SH [346]	PH [351]	gully [356]	PH [360]	pit [365]	pit [365]	PH [367]	PH [369]	PH [371]	pit [373]	pit [376]	pit [378]	PH [379]	PH [381]	PH [383]	gully term [390]	PH [394]	gully [406]
Deposit					upper fill	lower					upper fill								
Sample Volume (litres)		<5	10	20	10	10	10	10	10	20	20	10	10	<5	<5	<5	20	<5	10
Total CV		10ml	0	0	0	<2.5ml	10ml	15ml	<2.5ml	0	5ml	0	0	<2.5ml	2.5ml	<2.5ml	<2.5ml	5ml	<2.5ml
Modern		<2.5ml	0	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0
Radiocarbon Y/N		Y ch cer	N	N	N	N	N	N	N	Y ch	N	N	N	N	N	Y cer	N	Y cer	N
Common Name																			
Carbonised Cereal Grain and Chaff																			
<i>Avena sativa</i> grain in floret	common oat in chaff		2																1
<i>Avena</i> sp.	oat		29							1					5				79
<i>Triticum aestivum</i>	bread wheat																		
<i>Triticum dicoccum</i>	emmer wheat						1												1
<i>Triticum</i> sp.	wheat																		
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																		
<i>Hordeum vulgare</i> sl.	barley																		
<i>Secale cereale</i>																			
Indeterminate cereal grain (+embryo)															3				1
Other Cultivars																			
<i>Pisum sativum</i>	garden pea																		
<i>Vicia</i> sp.	vetches																		
Charcoal																			
<i>Quercus</i>	oak						5 (0.58g)	5 (0.59g)											
<i>Corylus</i>	hazel	1 (0.97g)										1 (0.13g)							
<i>Betula</i>	birch																		
<i>Alnus</i>	alder																		
Indeterminate																			
Carbonised Wild Resources																			
<i>Corylus avellana</i> nutshell	hazel nutshell																		
Carbonised Weeds																			
<i>Stellaria media</i>	chickweed																		
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																		
<i>Persicaria lapathifolia</i>	pale persicaria																		
<i>Polygonum aviculare</i> sl.	knotgrass																		
<i>Anthemis arvensis</i>	corn chamomile										1								
<i>Chrysanthemum segetum</i>	corn marigold																		
<i>Danthonia decumbens</i>	heathgrass																		
Other Remains																			
Clinker			50+	5+	5+				5+		20+	30+					10+		
Coal			2	10+	5+						5+	5+					5+		
Modern seeds				2	1														
Earthworm egg capsules																			

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	420	428	438	453	466	468	470	472	480	482	486	490	508	510	519	523	525	533
Sample		116	117	159	160	118	119	120	121	122	126	124	125	127	131	133	134	154	153
Feature		PH [421]	PH [429]	term [439]	gully [454]	gully [465]	gully [467]	PH [469]	PH [471]	pit [479]	PH [481]	pit [487]	gully [491]	ditch [507]	PH [511]	PH [520]	PH [524]	PH [526]	pit [534]
Deposit																			
Sample Volume (litres)		<5	10	20	20	20	20	10	5	20	20	10	10	20	10	10	10	10	20
Total CV		0 <2.5ml		0	0	0	0	0	0 10ml		0 <2.5ml		0 <2.5ml	5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml
Modern		0 <2.5ml	<2.5ml	2.5ml	2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml
Radiocarbon Y/N		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Common Name																			
Carbonised Cereal Grain and Chaff																			
<i>Avena sativa</i> grain in floret																			
<i>Avena</i> sp.																			
<i>Triticum aestivum</i>																			
<i>Triticum dicoccum</i>																			
<i>Triticum</i> sp.																			
<i>Hordeum vulgare</i> var. <i>vulgare</i>																			
<i>Hordeum vulgare</i> sl.																			
<i>Secale cereale</i>																			
Indeterminate cereal grain (+embryo)																			
Other Cultivars																			
<i>Pisum sativum</i>																			
<i>Vicia</i> sp.																			
Charcoal																			
<i>Quercus</i>																			
<i>Corylus</i>																			
<i>Betula</i>																			
<i>Alnus</i>																			
Indeterminate																			
Carbonised Wild Resources																			
<i>Corylus avellana</i> nutshell																			
Carbonised Weeds																			
<i>Stellaria media</i>																			
<i>Chenopodium bonus-henricus</i>																			
<i>Persicaria lapathifolia</i>																			
<i>Polygonum aviculare</i> sl.																			
<i>Anthemis arvensis</i>																			
<i>Chrysanthemum segetum</i>																			
<i>Danthonia decumbens</i>																			
Other Remains																			
Clinker		10+	20+		10+		5+	30+		2	10+		20+						
Coal		5+		1 5+	10+	5+	5+	5+				2	2 10+	2	1			5+	
Modern seeds													1						
Earthworm egg capsules																			

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	549	557	559	571	573	575	577	579	585	587	589	591	593	595	597	599	601	603
	Sample	139	137	135	152	151	150	148	149	144	145	132	155	142	141	140	143	147	146
	Feature	PH [550]	pit [558]	PH [560]	PH [572]	PH [574]	PH [576]	PH [578]	PH [580]	PH [586]	PH [588]	PH [590]	PH [592]	PH [594]	PH [596]	PH [598]	PH [600]	PH [602]	PH [606]
	Deposit																		post pipe
	Sample Volume (litres)	10	20	10	10	20	20	20	20	10	20	20	20	10	20	5	20	10	20
	Total CV	2.5ml	2.5ml	5ml	<2.5ml	10ml	2.5ml	0	<2.5ml	0	2.5ml	0	0	0	0	0	<2.5ml	5ml	10ml
	Modern	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml
	Radiocarbon Y/N	N	N	Y ch	Y cer	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Common Name																		
Carbonised Cereal Grain and Chaff																			
<i>Avena sativa</i> grain in floret	common oat in chaff																		
<i>Avena</i> sp.	oat																		
<i>Triticum aestivum</i>	bread wheat																		
<i>Triticum dicoccum</i>	emmer wheat																		
<i>Triticum</i> sp.	wheat																		
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																		
<i>Hordeum vulgare</i> sl.	barley																		
<i>Secale cereale</i>					2														
Indeterminate cereal grain (+embryo)									1										
Other Cultivars																			
<i>Pisum sativum</i>	garden pea																		
<i>Vicia</i> sp.	vetches																		
Charcoal																			
<i>Quercus</i>	oak					3 (0.25g)											1 (0.06g)		5 (0.54g)
<i>Corylus</i>	hazel			1 (0.13g)															
<i>Betula</i>	birch																		
<i>Alnus</i>	alder																		
Indeterminate							2 (0.17g)												
Carbonised Wild Resources																			
<i>Corylus avellana</i> nutshell	hazel nutshell																		
Carbonised Weeds																			
<i>Stellaria media</i>	chickweed																		
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																		
<i>Persicaria lapathifolia</i>	pale persicaria																		
<i>Polygonum aviculare</i> sl.	knotgrass																		
<i>Anthemis arvensis</i>	corn chamomile																		
<i>Chrysanthemum segetum</i>	corn marigold																		
<i>Danthonia decumbens</i>	heathgrass																		
Other Remains																			
Clinker													5+	5+					
Coal			1	1	1		5+			1 50+	10+			1 5+		2	1		
Modern seeds																			
Earthworm egg capsules																			

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	616	627	629	631	642	644	650	652	653	666	668	674	676	680	682	688	691	696
	Sample	130	157	158	156	161	162	163	164	165	166	167	170	173	171	172	174	175	177
	Feature	ditch [617]	pit [626]	pit [628]	ditch [630]	PH [643]	PH [645]	pit [660]	pit [656]	pit [656]	pit [665]	PH [667]	ditch [675]	ditch [677]	pit [678]	pit [678]	ditch [689]	ditch [692]	pit [697]
	Deposit							4th fill	3rd fill						2nd fill	upper fill			
	Sample Volume (litres)	20	20	10	20	10	20	20	10	20	20	10	20	20	20	10	10	20	10
	Total CV	0	0	<2.5ml	<2.5ml	0	0	25ml	0	0	2.5ml	5ml	2.5ml	<2.5ml	60ml	120ml	0	<2.5ml	40ml
	Modern	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml
	Radiocarbon Y/N	N	N	N	Y hznt	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Common Name																		
Carbonised Cereal Grain and Chaff																			
<i>Avena sativa</i> grain in floret	common oat in chaff																		
<i>Avena</i> sp.	oat																		
<i>Triticum aestivum</i>	bread wheat																		
<i>Triticum dicoccum</i>	emmer wheat																		
<i>Triticum</i> sp.	wheat																		
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																		
<i>Hordeum vulgare</i> sl.	barley												1						
<i>Secale cereale</i>																			
Indeterminate cereal grain (+embryo)																			
Other Cultivars																			
<i>Pisum sativum</i>	garden pea																		
<i>Vicia</i> sp.	vetches																		
Charcoal																			
<i>Quercus</i>	oak							1 (0.20g)							10 (8.93g)	10 (2.12g)			5 (3.05g)
<i>Corylus</i>	hazel																		
<i>Betula</i>	birch																		
<i>Alnus</i>	alder																		
Indeterminate								1 (0.30g)											
Carbonised Wild Resources																			
<i>Corylus avellana</i> nutshell	hazel nutshell																		
Carbonised Weeds																			
<i>Stellaria media</i>	chickweed																		
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																		
<i>Persicaria lapathifolia</i>	pale persicaria																		
<i>Polygonum aviculare</i> sl.	knotgrass																		
<i>Anthemis arvensis</i>	corn chamomile																		
<i>Chrysanthemum segetum</i>	corn marigold																		
<i>Danthonia decumbens</i>	heathgrass																		
Other Remains																			
Clinker			10+		5+			10+											
Coal		10+		1	5+	5+	10+		20+		1		5+		1				1
Modern seeds											1				2				1
Earthworm egg capsules				1															

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	715	730	734	737	740	745	747	749	751	752	754	758	760	768	770	772	775
Sample		182	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199
Feature	ditch [716]	ditch [732]	ditch [735]	ditch term [738]	ditch [741]	ditch [746]	ditch [748]	gully [750]	pit [753]	pit [753]	pit [755]	ditch [759]	pit [761]	PH [769]	PH [771]	PH [773]	pit [776]	
Deposit									upper fill	1st fill								
Sample Volume (litres)		20	20	20	10	20	20	20	20	20	20	20	10	20	20	20	10	10
Total CV		0 10ml	<2.5ml	2.5ml		0 5ml		0 15ml	15ml	5ml		0	0 50ml	40ml	20ml	15ml		0
Modern		0 <2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0
Radiocarbon Y/N	N	N	N	N	N	N	N	Y cer	Y ch	N	N	N	Y ch	N	N	Y cer	N	
Common Name																		
Carbonised Cereal Grain and Chaff																		
<i>Avena sativa</i> grain in floret	common oat in chaff																	
<i>Avena</i> sp.	oat		1					6									3	
<i>Triticum aestivum</i>	bread wheat							1										
<i>Triticum dicoccum</i>	emmer wheat																	
<i>Triticum</i> sp.	wheat																	
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																	
<i>Hordeum vulgare</i> sl.	barley																	
<i>Secale cereale</i>			1															
Indeterminate cereal grain (+embryo)																		
Other Cultivars																		
<i>Pisum sativum</i>	garden pea																	
<i>Vicia</i> sp.	vetches																	
Charcoal																		
<i>Quercus</i>	oak			1 (0.14g)		1 (0.25g)		5 (0.67g)	5 (0.75g)			1 (0.76g)	5 (1.84g)	3 (0.42g)				
<i>Corylus</i>	hazel								1 (1.22g)			1 (0.77g)						
<i>Betula</i>	birch											1 (0.62g)						
<i>Alnus</i>	alder																	
Indeterminate													1 (0.74g)					
Carbonised Wild Resources																		
<i>Corylus avellana</i> nutshell	hazel nutshell																	
Carbonised Weeds																		
<i>Stellaria media</i>	chickweed																	
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																	
<i>Persicaria lapathifolia</i>	pale persicaria																	
<i>Polygonum aviculare</i> sl.	knotgrass																	
<i>Anthemis arvensis</i>	corn chamomile																	
<i>Chrysanthemum segetum</i>	corn marigold																	
<i>Danthonia decumbens</i>	heathgrass																	
Other Remains																		
Clinker			5+	5+							5+							
Coal		5+	5+		5+	5+		5+			5+		2					10+
Modern seeds				1					5+	1		2						
Earthworm egg capsules																		

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	789	791	793	797	799	801	803	812	814	816	821	823	828	828	828	831	832	833	
Sample	Sample	202	203	204	207	205	206	210	211	208	209	212	213	217	221	225	215	224	216	
Feature	Feature	pit [790]	pit [792]	PH [796]	gully [798]	ditch [800]	ditch [802]	pit [805]	PH [813]	pit [815]	gully [817]	PH [822]	pit [827]	drier [837]	drier [837]	drier [837]	drier [837]	drier [837]	drier [837]	
Deposit	Deposit													slot 3	slot 5 mid	slot 6	upper fill	slot 6 main	slot 2	
Sample Volume (litres)	Sample Volume (litres)	20	10	20	20	10	20	20	10	10	20	20	20	20	20	20	20	20	20	20
Total CV	Total CV	<2.5ml	<2.5ml	<2.5ml	5ml	0	<2.5ml	25ml	20ml	0	10ml	2.5ml	40ml	10ml	5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml
Modern	Modern	<2.5ml	0	0	0	<2.5ml	0	<2.5ml	<2.5ml	0	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0	<2.5ml	<2.5ml	<2.5ml	
Radiocarbon Y/N	Radiocarbon Y/N	N	N	Y cer		N	N	N	N	N	N	Y cer	N	N	Y cer	Y cer	N	N	N	
Common Name	Common Name																			
<i>Avena sativa</i> grain in floret	common oat in chaff																			
<i>Avena</i> sp.	oat																			
<i>Triticum aestivum</i>	bread wheat																			
<i>Triticum dicoccum</i>	emmer wheat																			
<i>Triticum</i> sp.	wheat																			
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																			
<i>Hordeum vulgare</i> sl.	barley																			
<i>Secale cereale</i>																				
Indeterminate cereal grain (+embryo)																				
Other Cultivars																				
<i>Pisum sativum</i>	garden pea																			
<i>Vicia</i> sp.	vetches																			
Charcoal																				
<i>Quercus</i>	oak																			
<i>Corylus</i>	hazel																			
<i>Betula</i>	birch																			
<i>Alnus</i>	alder																			
Indeterminate																				
Carbonised Wild Resources																				
<i>Corylus avellana</i> nutshell	hazel nutshell																			
Carbonised Weeds																				
<i>Stellaria media</i>	chickweed																			
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																			
<i>Persicaria lapathifolia</i>	pale persicaria																			
<i>Polygonum aviculare</i> sl.	knotgrass																			
<i>Anthemis arvensis</i>	corn chamomile																			
<i>Chrysanthemum segetum</i>	corn marigold																			
<i>Danthonia decumbens</i>	heathgrass																			
Other Remains																				
Clinker			2		10+	5+				5+										
Coal		5+	2	2	5+	10+		2	1			2	1					5+		
Modern seeds																1			1	
Earthworm egg capsules																				2

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	833	838	842	844	848	852	855	871	876	878	883	885	890	894	894	899
Sample		223	214	226	227	228	229	230	232	233	234	235	242	236	243	244	237
Feature	drier [837] PH [839] PH [843] pit [846] pit/PH [849] ditch [854] ditch [856] ditch [872] ditch [877] ditch [879] ditch [884] pit [886] ditch [891] ditch [895] ditch [897] ditch [893]																
Deposit	slot 6 outer																
Sample Volume (litres)	20	20	5	10	20	20	20	20	20	20	20	20	10	20	20	20	20
Total CV	40ml	100ml	<2.5ml	200ml	0	0	0	0	0 <2.5ml	<2.5ml	0	0	0 <2.5ml		0 <2.5ml		0
Modern	<2.5ml	<2.5ml	0 <2.5ml	<2.5ml	0	0	0	0	0	0 <2.5ml	0	<2.5ml	<2.5ml	<2.5ml			0 <2.5ml
Radiocarbon Y/N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Common Name																	
Carbonised Cereal Grain and Chaff																	
<i>Avena sativa</i> grain in floret	common oat in chaff																
<i>Avena</i> sp.	oat			1													
<i>Triticum aestivum</i>	bread wheat																
<i>Triticum dicoccum</i>	emmer wheat																
<i>Triticum</i> sp.	wheat																
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																
<i>Hordeum vulgare</i> sl.	barley																
<i>Secale cereale</i>																	
Indeterminate cereal grain (+embryo)																	
Other Cultivars																	
<i>Pisum sativum</i>	garden pea																
<i>Vicia</i> sp.	vetches																
Charcoal																	
<i>Quercus</i>	oak	10 (5.51g)	10 (3.56g)	20 (12.24g)													
<i>Corylus</i>	hazel																
<i>Betula</i>	birch																
<i>Alnus</i>	alder																
Indeterminate																	
Carbonised Wild Resources																	
<i>Corylus avellana</i> nutshell	hazel nutshell																
Carbonised Weeds																	
<i>Stellaria media</i>	chickweed																
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																
<i>Persicaria lapathifolia</i>	pale persicaria																
<i>Polygonum aviculare</i> sl.	knotgrass																
<i>Anthemis arvensis</i>	corn chamomile																
<i>Chrysanthemum segetum</i>	corn marigold																
<i>Danthonia decumbens</i>	heathgrass																
Other Remains																	
Clinker							10+	5+		1		5+	5+	10+	5+	5+	
Coal			1		2		5+	5+	5+		1		2	2 5+	5+	5+	
Modern seeds											2						
Earthworm egg capsules											1						

City Fields, Wakefield, West Yorkshire	Context	912	918	920	922	924	926	928	930	933	938	941	943	945	952	958	966
MAP 05-31-17	Sample	241	246	247	252	248	249	250	253	251	254	255	256	257	259	261	266
	Feature	ditch term [913]	ditch [919]	ditch [921]	gully [923]	ditch [925]	ditch [927]	pit [929]	PH [932]	ditch [934]	ditch [939]	ditch [942]	ditch [944]	ditch [946]	ditch [955]	ditch [959]	ditch [967]
	Deposit	upper fill															
	Sample Volume (litres)	20	20	20	20	20	20	10	10	20	20	20	20	20	20	20	10
	Total CV	0 <2.5ml	5ml	<2.5ml	<2.5ml	5ml		0 2.5ml		0 <2.5ml		0 <2.5ml		0	0	0 5ml	
	Modern	<2.5ml	<2.5ml	0 <2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0 <2.5ml	<2.5ml	<2.5ml		0 <2.5ml	<2.5ml	
	Radiocarbon Y/N	N	N	Y hznt	N	N	Y ch	N	N	N	N	N	N	N	N	N	Y cer
	Common Name																
Carbonised Cereal Grain and Chaff																	
<i>Avena sativa</i> grain in floret	common oat in chaff																
<i>Avena</i> sp.	oat																
<i>Triticum aestivum</i>	bread wheat																
<i>Triticum dicoccum</i>	emmer wheat																
<i>Triticum</i> sp.	wheat																
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																
<i>Hordeum vulgare</i> sl.	barley																
<i>Secale cereale</i>																	
Indeterminate cereal grain (+embryo)																	
Other Cultivars																	
<i>Pisum sativum</i>	garden pea																
<i>Vicia</i> sp.	vetches																
Charcoal																	
<i>Quercus</i>	oak																
<i>Corylus</i>	hazel																
<i>Betula</i>	birch																
<i>Alnus</i>	alder																
Indeterminate																	
Carbonised Wild Resources																	
<i>Corylus avellana</i> nutshell	hazel nutshell																
Carbonised Weeds																	
<i>Stellaria media</i>	chickweed																
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																
<i>Persicaria lapathifolia</i>	pale persicaria																
<i>Polygonum aviculare</i> sl.	knotgrass																
<i>Anthemis arvensis</i>	corn chamomile																
<i>Chrysanthemum segetum</i>	corn marigold																
<i>Danthonia decumbens</i>	heathgrass																
Other Remains																	
Clinker		2 5+			5+			20+		10+							5+
Coal		2 5+			2		5+	10+			5+	5+	10+	5+	5+	5+	
Modern seeds																	
Earthworm egg capsules																	

City Fields, Wakefield, West Yorkshire	Context	974	984	987	997	999	1001	1005	1014	1016	1018	1044	1047	1051	1054	1062	1072
MAP 05-31-17	Sample	264	271	267	269	270	272	273	274	275	276	278	277	279	280	281	281
	Feature	term [977]	ditch [985]	ditch [988]	pit [998]	pit [1000]	pit [1002]	ditch [1006]	ditch [1017]	ditch [1017]	ditch [1019]	ditch [1046]	pit [1048]	ditch [1052]	ditch [1055]	ditch [1063]	ditch [1073]
	Deposit																
	Sample Volume (litres)	20	10	20	20	20	20	20	10	20	20	20	20	20	20	20	20
	Total CV	0 <2.5ml		0 <2.5ml	25ml	<2.5ml	<2.5ml	20ml		0	0 <2.5ml	0 <2.5ml			0	0	0
	Modern	<2.5ml	0 <2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml		0	0 <2.5ml		0	0	0	<2.5ml
	Radiocarbon Y/N	N	N	N	N	Y ch	N	N	N	N	N	N	N	N	N	N	N
	Common Name																
Carbonised Cereal Grain and Chaff																	
<i>Avena sativa</i> grain in floret	common oat in chaff																
<i>Avena</i> sp.	oat								1								
<i>Triticum aestivum</i>	bread wheat																
<i>Triticum dicoccum</i>	emmer wheat																
<i>Triticum</i> sp.	wheat																
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley																
<i>Hordeum vulgare</i> sl.	barley																
<i>Secale cereale</i>																	
Indeterminate cereal grain (+embryo)									2								
Other Cultivars																	
<i>Pisum sativum</i>	garden pea																
<i>Vicia</i> sp.	vetches																
Charcoal																	
<i>Quercus</i>	oak					2 (0.88g)				5 (0.70g)							
<i>Corylus</i>	hazel					2 (0.78g)											
<i>Betula</i>	birch																
<i>Alnus</i>	alder																
Indeterminate																	
Carbonised Wild Resources																	
<i>Corylus avellana</i> nutshell	hazel nutshell																
Carbonised Weeds																	
<i>Stellaria media</i>	chickweed																
<i>Chenopodium bonus-henricus</i>	Good-King-Henry																
<i>Persicaria lapathifolia</i>	pale persicaria																
<i>Polygonum aviculare</i> sl.	knotgrass																
<i>Anthemis arvensis</i>	corn chamomile																
<i>Chrysanthemum segetum</i>	corn marigold																
<i>Danthonia decumbens</i>	heathgrass																
Other Remains																	
Clinker				20+	5+						5+					5+	
Coal		5+	5+	20+			5+	5+			2 5+	5+		1	5+	5+	
Modern seeds																	
Earthworm egg capsules																	

City Fields, Wakefield, West Yorkshire	Context	1074	1080	1082	1096	1103	1105	1108	1116	1119	1146	1147	1149	1153	1156
MAP 05-31-17	Sample	282	284	285	287	289	290	291	293	292	298	300	299	308	309
	Feature	ditch [1075]	ditch [1081]	ditch [1083]	gully [1097]	PH [1104]	PH [1106]	ditch [1110]	ditch [1117]	ditch [1120]	ditch term [1148]	ditch term [1146]	ditch term [1147]	ditch [1154]	ditch [1157]
	Deposit														
	Sample Volume (litres)	20	20	20	20	5	5	20	20	20	20	5	5	20	20
	Total CV	0	0	2.5ml	0	<2.5ml	0	0	0	<2.5ml	5ml	<2.5ml	15ml	0	0
	Modern	0	0	0	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	<2.5ml	0	0
	Radiocarbon Y/N	N	N	N	N	N	N	N	N	Y ch	N	N	N	N	N
	Common Name														
Carbonised Cereal Grain and Chaff															
<i>Avena sativa</i> grain in floret common oat in chaff															
<i>Avena</i> sp. oat															
<i>Triticum aestivum</i> bread wheat															
<i>Triticum dicoccum</i> emmer wheat															
<i>Triticum</i> sp. wheat															
<i>Hordeum vulgare</i> var. <i>vulgare</i> six row hulled barley															
<i>Hordeum vulgare</i> sl. barley															
<i>Secale cereale</i>															
Indeterminate cereal grain (+embryo)															
Other Cultivars															
<i>Pisum sativum</i> garden pea															
<i>Vicia</i> sp. vetches															
Charcoal															
<i>Quercus</i> oak 1 (0.34g)															
<i>Corylus</i> hazel															
<i>Betula</i> birch															
<i>Alnus</i> alder 1 (0.11g)															
Indeterminate															
Carbonised Wild Resources															
<i>Corylus avellana</i> nutshell hazel nutshell															
Carbonised Weeds															
<i>Stellaria media</i> chickweed															
<i>Chenopodium bonus-henricus</i> Good-King-Henry															
<i>Persicaria lapathifolia</i> pale persicaria															
<i>Polygonum aviculare</i> sl. knotgrass															
<i>Anthemis arvensis</i> corn chamomile															
<i>Chrysanthemum segetum</i> corn marigold															
<i>Danthonia decumbens</i> heathgrass															
Other Remains															
Clinker 1 5+ 5+ 5+ 5+ 5+ 2															
Coal 5+ 2 5+ 1 5+ 10+ 5+ 1 2 10+															
Modern seeds 1															
Earthworm egg capsules															

City Fields, Wakefield, West Yorkshire MAP 05-31-17	Context	1171	1174	1180	1182	1184	1188	1210	1217	1225	1255	1267
Sample	Sample	310	312	314	315	316	317	320	319	321	323	326
Feature	Feature	ditch [1173]	ditch [1176]	gully [1181]	ditch [1183]	ditch [1185]	ditch [1190]	ditch [1211]	ditch [1218]	ditch [1227]	ditch [1256]	ditch [1268]
Deposit	Deposit											
Sample Volume (litres)	Sample Volume (litres)	20	20	20	20	20	20	20	20	20	40	20
Total CV	Total CV	0	0	0 <2.5ml	0	0	0 15ml	0	0 2.5ml	0	0	0
Modern	Modern	0 <2.5ml		0	0	0	0 <2.5ml		0	0	0	0
Radiocarbon Y/N	Radiocarbon Y/N	N	N	N	Y ch	N	N	N	N	N	N	N
Common Name	Common Name											
Carbonised Cereal Grain and Chaff	Common Name											
<i>Avena sativa</i> grain in floret	common oat in chaff											
<i>Avena</i> sp.	oat											
<i>Triticum aestivum</i>	bread wheat											
<i>Triticum dicoccum</i>	emmer wheat											
<i>Triticum</i> sp.	wheat											
<i>Hordeum vulgare</i> var. <i>vulgare</i>	six row hulled barley											
<i>Hordeum vulgare</i> sl.	barley											
<i>Secale cereale</i>												
Indeterminate cereal grain (+embryo)												
Other Cultivars												
<i>Pisum sativum</i>	garden pea											
<i>Vicia</i> sp.	vetches											
Charcoal												
<i>Quercus</i>	oak						1 (0.87g)					
<i>Corylus</i>	hazel											
<i>Betula</i>	birch				1 (0.10g)							
<i>Alnus</i>	alder											
Indeterminate												
Carbonised Wild Resources												
<i>Corylus avellana</i> nutshell	hazel nutshell											
Carbonised Weeds												
<i>Stellaria media</i>	chickweed											
<i>Chenopodium bonus-henricus</i>	Good-King-Henry											
<i>Persicaria lapathifolia</i>	pale persicaria											
<i>Polygonum aviculare</i> sl.	knotgrass											
<i>Anthemis arvensis</i>	corn chamomile											
<i>Chrysanthemum segetum</i>	corn marigold											
<i>Danthonia decumbens</i>	heathgrass											
Other Remains												
Clinker								5+	5+	10+	5+	
Coal		20+	20+	2		5+		5+				1
Modern seeds												
Earthworm egg capsules												

Appendix 7

The Pottery from City fields, Wakefield (05.31.17)

Dr Phil Mills MCIfA (August 2020)

Introduction

There were 419 sherds of pottery weighing 5949g presented for assessment, This included 18 sherds, 98g from samples and 359 sherds , 5436g, of stratified pottery recovered as bulk fines. The stratified pottery included 31 rims, 17 bases and 1 handle.

The material was recorded using the ware classes and codes defined by the Oxford Archaeology. Warwick museum pottery recording system (Booth 2000). Material was recorded by context with no of sherds, Nish, weight in grams, Wt, minimum number of rims, MNR, rim diameter in cm, RD and rim equivalent, RE.

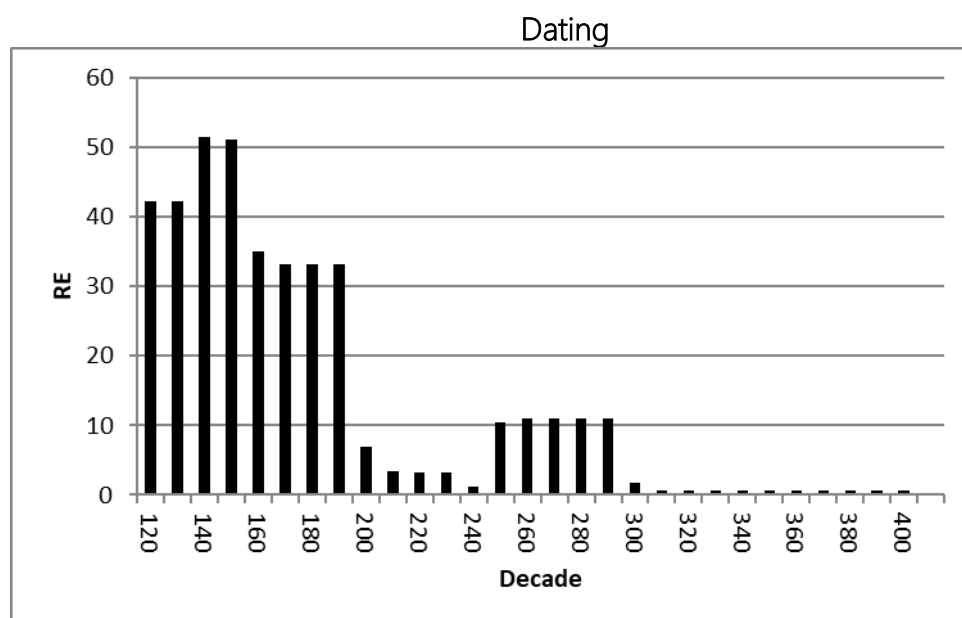


Figure 1 date distribution of pottery by RE with date range of 150 years or fewer
The date distribution by RE for all vessels with a date range of 150 years or fewer is shown in Figure 1. This shows an Antonine start date, peaking in the mid-2nd century a rapid drop of in the early 3d century and a small component of late 3rd century material.

The earliest material are a number of Class G, gritted ware, vessels from pit (828) corn dryer (833) and voided context (077). These were of LIA to C2 date, and all were found with Roman pottery suggesting they were deposited in the 2nd century date.

Hadrianic (from AD 120 +) material include a Mancetter Hartshill bead and flange mortaria with bead above flange and a beaded and flanged south Yorkshire mortaria, There were a number of south Yorkshire greyware flange rim bowls of Hadrianic- Antonine date and a number of South Yorkshire grey ware probable BB

copies of mid-2nd to possibly early 3rd century date. There were fragments of a Central Gaulish samian Dr. 31 bowl base of AD 150-200 date.

The latest material was a developed beaded and flange rim bowl in South Yorkshire greyware along with a few simple rim dishes with diagonal burnishing, of late 3rd century + date.

There is no evidence of much deposition after the late 3rd century.

Taphonomy

The breakdown of the stratified bulk find material by context type is shown in Table 1. The majority of the material is from ditch and gullies, with a small amount from pits. This is consistent with a basic rural settlement.

Table 1 Pottery by context type

Context Type	No%	Wt%	MNR%	RE%	MSW	MPR
Ditch	68.0%	54.7%	71.0%	55.3%	12.18	14.86
Gully	28.7%	40.7%	22.6%	38.2%	21.49	32.29
Pit	3.3%	4.6%	6.5%	6.4%	21.00	19.00
N/AVG	359	5436	31	591.0%	15.14	0.19

Supply

The breakdown of the stratified pottery by ware class is shown in Table 2.

Table 2 Pottery by ware class

Class	Ware	No%	Wt%	MNR%	RE%	MSW	MPR
B	Black Burnished	0.3%	0.4%			22.00	
G	Gritted	0.3%	0.2%			9.00	
M	Mortaria	2.2%	14.4%	9.7%	12.5%	98.13	24.67
O	Oxidised	0.8%	0.5%			9.00	
R	Reduced	91.6%	76.9%	90.3%	87.5%	12.70	18.46
S	Samian	2.5%	0.4%			2.67	
Z	Medieval	2.2%	7.2%			48.88	
	N/AVG	359	5436	31	591.0%	15.14	0.19

Class B is at 0.3% which is perhaps on the low side for the region probable due to the rural nature of the site.

Class G, gritted wares, is at 0.3% which is consistent with the mainly 2nd century date of the site.

Class M, mortaria, is at 2% and comprises Mancetter-Hartshill and south Yorkshire products

Class O, oxidised wares, is at 0.8%

Class R, reduced wares, is the most common ware class present, with most of the material comprising South Yorkshire greyware pottery as would be expected for a site in West Yorkshire.

Class S, samian, is at 3% although this is somewhat exaggerated due to the large number of fragments from a single vessel.

Class Z, medieval and later, is at 2% and includes a number of unusual gritty wares

Function

Table 3 shows the functional breakdown of material from the site, Jars are at 55% and bowls and dishes at 33% which is at the high end for a rural site (Evans 2001). Finewares are at 3% although this is exaggerated by the number of fragments of samian from a single vessel. This is within the range that would be expected for a rural site.

Table 3 Functional analysis of stratified rims

	J	WMJ	M	B	D	Total
MNR	51.6	12.9	9.7	19.4	6.5	31 rims
RE	45.5	9	12.5	23	10	591%

Discussion

The main period of activity for the site is during the Hadrianic- Antonine period with a peak in the mid-2nd century. There is some later 3rd century deposition but very little evidence for continuation between these periods. The material appears to derive from a high level rural site. It is associated with a feature interpreted as a corn dryer, although the pottery would suggest that this was an unusually early example. As is usual for sites in West Yorkshire the main supply of pottery is from the South Yorkshire pottery industries supplying the bulk of the greywares and a mortaria with limited wider contention attested by Mancetter-Hartshill mortaria and central Gaulish samian.

Retention and Conservation

It is recommended that all the material is retained. There are no specific conservation measures needed.

Further work

This is a relatively large group of pottery associated with a high status rural site of the 2nd to 3rd century and as such it would be useful to proceed with a full analysis which would increase our understanding of the nature of supply and development of rural site in the region. The medieval/post medieval material is unusual and warrants further work by a suitable specialist.

Method

The stratified material will be recorded by fabric using a fabric series already used in the region for sites including Barlby. Rim and base equivalents will be recorded, Analysis will be for the whole site as well as by defined stratigraphic groups, i.e. phase groups as appropriate.

Personnel

Roman pottery: Dr Phil Mills

Medieval and post medieval pottery: Dr Chris Cumberpatch

Synopsis

Introduction

Dating

Taphonomy
Supply
Other aspects
Discussion
Appendixes: fabric descriptions, form and fabric occurrence by phase.

Timetable

Task	Days
Fully record stratified pottery	2 days
Medieval/post Medieval pottery	£80
*Analyse data	1 Day
Sort Pottery for drawing	0.5 day
Draft report	2 Days

*Requires context and phase data etc

Cost

Fully record stratified pottery	2 days	£560
Medieval/post Med pottery		£80
Analyse data	1 Day	£280
Sort Pottery for drawing	0.5 day	£140
Draft report	2 Days	£560
Total	6.5 Days	£1620

NB This does not include cost of transport of material to and from Leicester.
Provision should be made for drawing 20 vessels

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- Evans, J, 2001 Material Approaches to Romano-British site types in James, S., and Millett, M. (eds), **Britons and Romans: Advancing an Archaeological Agenda**, Council for British Archaeology Research Report 125, York, 26-35

Context	Part	Fabric	Function	Form type	NoSh	WT (g)	RD	MR	RE	Ba T	Sootcode	Date From	Date to	Comments
006	Rim	M13	M	bead and flange	3	251	25	1	19			120	160	fine trits class b bead above flange
015	Rim	R00			3	202		0	0					prob sy
017	Rim	R00	B	flange rim bowl	2	47	22	1	19			120	200	sy
019	neck	B01			1	22		0	0	1				
037	Body	O00			1	10		0	0					v micaceous
068	Base	M13			1	250		0	0	11				fine trits; poss xJ Cxt 006
068	Rim	R00	B	flange rim bowl	3	32	20	1	13			120	200	black surfaces largely lost
077	Base	G01			2	25		0	0	11				
077	Body	G00			13	58		0	0					sparse co flint
077	Body	G01			19	202		0	0					
077	Body	R00			2	40		0	0					
077	Rim	G01	J	everted rim jar	2	25	15	1	14			-100	200	everted outcurving rom
077	Rim	G01	J	vertical rim jar	4	65	15	1	36			-100	200	near vertical rim with sub bead tip sl outcurving
080	Base	R00			2	90		0	0	17				
080	Base	R00			1	32		0	0	11				dish base
080	Base	R00			1	32		0	0	11				
080	Base	R00			1	31		0	0	10				
080	Body	G00			1	9		0	0					
080	Body	O00			1	15		0	0					sandy Dr 38 copy flange stub
080	Body	R00			19	60		0	0					sy
080	Body	R00			10	642		0	0					sy
080	Body	R00			30	333		0	0					sy
080	Body	R00			3	27		0	0					not sy
080	Body	r00			10	59		0	0	1				poss. bb
080	Complete Profile	R00	D	simple rim dish	8	150	20	1	52	11	1	250	300	diagonal line dec
080	Handle	R00			1	87		0	0					

080	Rim	M13	M	bead and flange	1	95	30	1	20	120	160 class B bead above flange
080	Rim	R00	B	dfib	1	27	19	1	10	260	410 developed bead and flange rim bowl
080	Rim	r00	B	flange rim bowl	6	266	20	1	70	120	200 poss bb
080	Rim	R00	J	BB Copy everted rim	1	10	15	1	9	150	250 black surface bb copy?
080	Rim	R112	J	jar	3	56	17	1	52	70	410 globular jar with stubbet extreme everted tapering rim
080	Rim	R112	MJ	W hooked rim stubby	2	153	36	1	13	70	410 tri flange rim with under groove
088	Rim	R112	J	everted rim flange rim	1	24	18	1	17	70	410 globular with stubby extremley everted rim
092	Rim	R112	B	bowl	1	20	20	1	3	120	200
110	Base	R112			1	39		0	0	11	
1172	Base	R00			2	46		0	0	13	
1172	Base	R00			4	184		0	0	11	
1172	Base	R00			1	13		0	0	11	
1172	Base	R112			1	12		0	0	12	
1172	Base	S20	B	31	9	24		0	0	30	
1172	Body	R00			##	502		0	0		
1172	Body	R00			1	2		0	0		
1172	Rim	R112	J	Buckland and Dolby 1980 type E	2	38	13	1	33	140	200 bb copy everted out curving beaded
1172	Rim	R112	J	Buckland and Dolby 1980 type E	1	43	15	1	21	150	200 bb copy
1172	Rim	R112	J	Buckland and Dolby 1980 type E	2	27	15	1	18	120	150
1172	Rim	R112	J	Buckland and Dolby 1980 type E	2	9	15	1	14	140	240
1172	Rim	R112	J	Buckland and Dolby 1980 type E	3	12	15	1	14	140	200

1172	Rim	R112	J	Buckland and Dolby 1980 type E	3	12	15	1	13			
1172	Rim	R112	J	Buckland and Dolby 1980 type E	2	12	15	1	12			
1172	Rim	R112	J	Buckland and Dolby 1980 type E	1	12	15	1	6			
1172	Rim	R112	J	everted rim jar	6	42	15	1	32		everted outcurving thickening	
1172	Rim	R112	MJ	W 1980 typeH.188 Buckland and Dolby	3	156	30	1	23	70	410	
1172	Rim	R112	MJ	W 1980 typeH.188 Buckland and Dolby	1	94	35	1	9			
1172	Rim	R112	MJ	W 1980 typeH.188	1	41	32	1	8			
1174	Base	R00			1	10		0	0	12		
1174	Body	R00			3	6		0	0			
1180	Base	R00			1	30		0	0	11		
1180	Body	R00			8	6		0	0			
1180	Rim	R00	J	Buckland and Dolby 1980 type E	1	7	14	1	10	120	200	
1188	Base	R00			1	27		0	0	11		
1188	Body	R00			15	90		0	0			
1188	Rim	R112	B	flange rim bowl	1	49	18	1	21	120	200	
1224	Rim	R00	J	Buckland and Dolby 1980 type E	1	25	20	1	8	1	160	240 thick bb copy?
1225	Body	O00			1	2		0	0			

				Buckland and Dolby 1980 type							
1225	Rim	R00	J	E.89	1	12	15	1	6	150	350
1225	Rim	R00	j	everted rim jar	1	9	15	1	4		everted outcurving rim
1255	Base	Z20			1	259		0	0		very thick base sj
1255	Body	Z20			3	8		0	0		
131	Body	R112			1	20		0	0		
141	Body	R00			1	1		0	0		
141	Body	R112			5	16		0	0		
169	Base	R00			1	129		0	0		
284	Rim	M08	M	bead and flange	3	189	20	1	35	120	160 bead same height as flange
284	Body	R00			1	14		0	0		
531	Body	R00			1	12		0	0		
695	Rim	R00	D	bead rim dish	1	39	20	1	7	120	210 tri bead rim dish? Odd low fired perhaps med
828	Body	G00			3	19		0	0		
833	Body	G00			9	64		0	0		
833	Body	G00			2	8		0	0		
833	Body	R00			4	7		0	0		
937	Body	Z30			2	120		0	0		red hand made coal inclusions
960	Body	Z30			2	4		0	0		buff gritty ware

Appendix 8

The CBM, Burnt clay and stone from City Fields, Wakefield (05.31.17)
Dr Phil Mills MCIfA (August 2020)

The Ceramic Building Materials

There were 14 fragments, 1029g of ceramic building material (CBM) presented for assessment. This comprised 13 fragments, 750g, of stratified material and 1 fragment, 279g of material retained from environmental samples

Table 1 The Catalogue of CBM

Context	Sample no	Fabric Code	Function	NoSh	Wt	corner	Thickness	Comments
1172		T01	Tegula	3	408	0	22	thin straight flange v battered not SY
760	195	tz00	Brick	1	279	0	0	post med, prob C19+
1257		tz12.3	Tile	10	342	1	16	

The complete catalogue of CBM is shown in table 1. There is a single fragment of tegula which suggest that this was brought into the site for purposes other than building. The rest of the material is of post medieval character and consistent with rural scatter

Fabric descriptions

T01



Figure 1 6mm wide cross section of fabric T01

This is a pale yellowish red fabric which is hard with a sandy feel. It has inclusions of moderate plae and red clay pellets at 0.9mm and occasional fine black grits,

TZ12.3

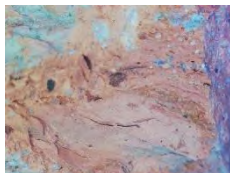


Figure 2 6mm wide cross section of fabric Tz12.3

This is a plae red fabric which is hard with a very sandy feel. It has inclusions of moderate quartz at 0.4mm with occasional coal up to 0,5mm and burnt grog at 0.5mm.

The Burnt clay

There were 180 fragments of burnt clay weighing 3029g, The material was recorded by context with no of fragments (No) and weight (Wt) being recorded, The full catalogue is shown in Table 2

Table 2 Catalogue of burnt clay

Context	Sample no	Function	No	Wt	Comments
1038		Unidentified	15	73	
1172		Unidentified	11	677	fine powdery large lumps = mud brick?
334	90	unidentified	7	38	org imp plate?
650	163	loom weight	17	123	drilled hole white clay
751	191	Unidentified	3	18	
803	210	Unidentified	8	33	
821	212	Unidentified	10	39	
821		plate	17	112	
823		Unidentified	3	35	poss brick
828	217	Unidentified	3	5	
828	221	Unidentified	3	39	
828		Unidentified	33	1021	
828		Daub	1	223	poss wattle 27mm diameter or flue
831		Unidentified	14	144	
831	215	Unidentified	1	18	
833	219	Unidentified	2	15	
833	225	Unidentified	3	50	
838	214	Unidentified	4	46	thumb impression
838	214	plate	1	38	
848		Unidentified	12	117	
880		Unidentified	9	89	
937		Unidentified	3	76	

The majority of the material was unidentifiable. There is a possible wattle impression or vent hole (figure 3) in a fragment form (828). There are also two fragments of plates or shelves of c 15mm thickness. There is a probable loom weight from (650). The majority of the material is concentrated around the corn dryer and so would seem to be related to this structure.

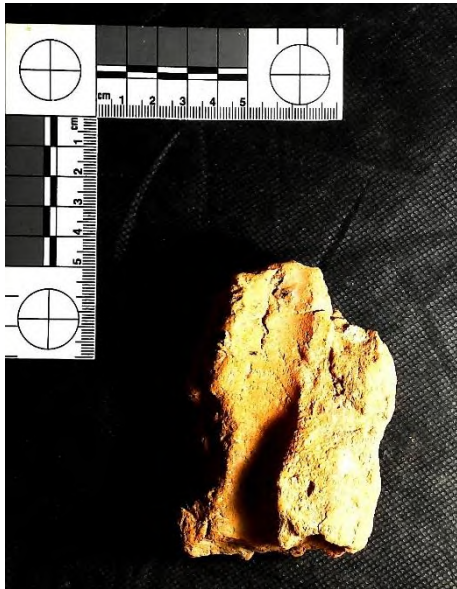


Figure 3 wattle or vent hole from (828)

The stone

There is one fragment of burnt stone, weighing 18g from (880) which may be related to the workings of the corn dryer

Discussion

This is a small group of CBM, burnt clay and stone from near Wakefield. The Roman CBM comprises a tegula, which is not likely to have derived from a building but had been brought into the site for some other purpose, such as a hearth base. The other CBM is post medieval in character and typical of rural scatter for the period. The burnt clay seems to be mainly related to the corn dryer and includes a possible wattle or vent hole and some plate sized fragments which may have acted as shelves. There are also fragments of a probable loom weight.

The stone comprised a burnt pebble which may have related to the use of the corn dryer.

No further work is needed on this material, although the loom weight would benefit from examination from a suitable specialist.

Appendix 8

Animal bone and shell assessment: City Fields (05.31.17)

by Jane Richardson

03/09/2020

In total, 362 bone fragments were recovered from six hand-excavated features and the sieving of soil samples. Non-repeatable diagnostic bone zones were noted, with the remaining assemblage rapidly quantified and scanned. Bone zones were identified to taxa wherever possible. The assemblage is heavily fragmented, but otherwise it is in good condition with few eroded surfaces.

Diagnostic bone zones amount to just over 5% of the assemblage, exclusively recovered from a fill (138) of the D-shaped enclosure ditch and the fill (706) of an iron vessel (Table 1). From the enclosure ditch, cattle, horse, sheep/goat and dog are represented, with all the bones indicative of adult animals. The dominance of bones (150 fragments) from this single fill is likely to be significant in itself. The rib from 706 had been sawn, suggesting the preparation of a joint for consumption.

The majority of the rest of the assemblage was recovered from soil samples and is largely represented by small, non-diagnostic cremated bone fragments. None suggest human bone and the few fragments that could be identified are either sheep/goat or sheep-sized.

Table 1. Diagnostic bone zones from hand-excavated deposits by context

	Cattle	Horse	Sheep/goat	Dog
Fill (706) of vessel	1			
Fill (138) of enclosure ditch 140	7	1	6	4

Given the small assemblage, and the limited number of deposits that produced animal bone, no further analysis is recommended, but the material reported here should be retained as part of the site archive

**05.31.17****City Fields, Wakefield****Conservation Assessment Report**

Site Director/Unit: Paula Ware, MAP

Conservator: M Felter

Date: 26.8.2020

York Archaeological Trust Conservation Report Number 2020/47

Number of artefacts:

Material	Quantity
Iron	3

AIMS AND OBJECTIVES

This report aims to meet the requirements of MAP2 (English Heritage, 2001) and MoRPHE (English Heritage, 2006) to produce a stable site archive. This has involved X-radiography and an assessment of the condition, stability and packaging of the object submitted.

The condition of object is summarised and indicators of unusual preservation noted. The potential of for further analysis and research is discussed, if any, and recommendations made for further investigative conservation and long term storage.

PROCEDURES

The objects were X-rayed using standard YAT procedures and equipment. 6 plates was used and given a reference number in the YAT conservation laboratory series (X9451-9456). The X-ray number was clearly marked on the packaging and each image on the radiograph was labelled with its small find number. The plates were packaged in archival paper pockets.

All three finds were examined under a binocular microscope at X20 magnification. The material identifications were checked and observations made about the condition and stability of the finds, and recorded in the table below.

CONDITION ASSESSMENT

X-ray	Context	Assessment
X9451-9455	(707)	Labelled as Fe 'bowl'. The object consists of a very large base fragment of an iron container, with a quantity of melted lead in the centre of the base; possible container for lead working? There are also several smaller fragments bagged separately. The outer surface of all the fragments is covered with thick orange brown corrosion products and encrusted soil. The inner surface is largely corrosion-free showing a dark blue/black surface. There is no evidence of active corrosion and the object is in fair to good

		stable condition. The <u>X-rays</u> show the metal core of the iron to be almost completely mineralised and thin. There are no further diagnostic features visible. Recommendations: no further work; store dry.
X9456	(066)	Labelled as Fe object. The object is a complete iron corner bracket in poor condition. The surface is covered with orange red corrosion products and encrusted soil, however large parts of the corrosion has spalled away due to active corrosion and there is further cracking in evidence. The <u>X-ray</u> shows the metal core to be present and quite thick, with two round perforations in each side, the perforations on the shorter side retaining screws. Recommendations: no further work; store dry.
X9456	(1184)	Labelled as Fe object. Complete iron axe-head in poor condition. Covered with relatively thin orange brown corrosion products and encrusted soil, with severe cracking due to active corrosion. Parts of the corrosion surface are also spalling away in one corner of the blade and in large areas around the socket. The <u>X-ray</u> shows the metal core to be quite thick and robust but thinning out towards the cutting edge. There is also a very large crack visible at the socket. Recommendations: no further work; store dry.

Summary: The two smaller objects are in poor condition with numerous surface cracks and areas of active orange powdery corrosion, dry storage below 15% RH is essential. Dislodged flakes could be reattached and active corrosion removed if the context warrants further investigation. The larger iron container and fragments from context 707 are stable and in relatively good condition.

STATEMENT OF POTENTIAL

Indicators of preservation

There were no indicators of specific preservation conditions, all three objects having come from well-aerated terrestrial deposits.

Dating evidence:

None of the finds are indicators of specific dates but the presence of screws within the bracket from context 066 suggests a post-Medieval date. The axe-head from context 1184 may also be datable stylistically.

Evidence of technology, craft or industry or anything else of note:

The large iron container from context 707 may indicate lead working.

RECOMMENDATIONS

Further Investigative Conservation

Further investigative conservation is not recommended for these finds, however, selected items could have corrosion removed fully for publication or display, quotes for the items selected can be arranged individually to suit your requirements.

Packaging and Long Term Storage

The finds arrived packed in a sample container without the benefit of silica gel to provide a dry environment. The finds were therefore re-packed into a sealed container with enough silica gel to provide a dry environment of less than 15% Relative Humidity. All materials used are archive stable and acid-free. The desiccated environment will need to be maintained.

REFERENCES

English Heritage, Management of Archaeological Projects, 1991.

English Heritage, Management of Research Projects in the Historic Environment, 2006.

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UNIVERSITY of
BRADFORD

**ARCHAEOMAGNETIC ANALYSIS OF A
FIRED FEATURE, WAKEFIELD CITY FIELDS,
WEST YORKSHIRE**

CLIENT:

MAP ARCHAEOLOGICAL PRACTICE LTD

NOVEMBER 2019

D.P. Greenwood & C.M. Batt

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Archaeomagnetic Dating at Wakefield City Fields

ARCHAEOMAGNETIC DATING OF A FIRED FEATURE AT WAKEFIELD CITY FIELDS, WEST YORKSHIRE

D.P. Greenwood & C. M. Batt

SUMMARY

This report describes the archaeomagnetic investigation of a fired feature recorded during excavations of Wakefield City Fields, West Yorkshire. A total of 23 samples were collected from the feature, context numbers: E384/W385 (Lab Code: AM280). All of the samples from feature AM280 had a measurable remanence, indicating that the material sampled contained sufficient magnetic minerals to record a stable magnetic direction.

The magnetic direction recorded by feature AM280 returned three possible age ranges when calibrated against the current British reference curve (Batt *et al.* 2017) at 95% confidence levels: 443BC-AD60, 1232BC-1074BC and 2000BC-1610BC. This arises because the Earth's magnetic field has had the same values at several periods in the past. The archaeological evidence can be used to discount the earlier age ranges, thus leaving an age range of **443BC-AD60** as the most likely, suggesting that the feature last cooled during the Late Iron Age or early Romano-British period. The date range obtained is larger than would be hoped for with such well-grouped data. This is a reflection of the paucity of archaeomagnetic data for this period and slow geomagnetic change. It would be possible to improve this date range by combining it with other dating evidence from this feature in a Bayesian model. It is also possible that further refinements to the British archaeomagnetic dataset may allow the precision of the date to be improved in the future.

An introduction to archaeomagnetic dating can be found in Appendix 1. Detailed magnetic measurements are available in electronic form on request.

SUMMARY OF ARCHAEOMAGNETIC INFORMATION:

Archaeomagnetic ID:	AM280
Feature:	Fired feature (E384/W385)
Location – latitude:	53.694°N
Location – longitude;	-1.474°W
Magnetic deviation:	-1.140°W
Number of samples (taken/used in mean):	23/20
AF demagnetisation applied:	7.5mT
Distortion correction applied:	N/A
Declination at site / at Meriden:	354.0/354.1°
Inclination at site / at Meriden:	69.3/68.4°
Alpha-95 (α_{95}):	2.6°
Precision parameter (k):	163.7
Age range (95% confidence): Most likely date in bold	443BC-AD60 , 1232BC-1074BC, 2000BC-1610BC
Archaeological age range:	Possible Late Iron Age / Romano-British feature

SITE NAME: WAKEFIELD CITY FIELDS

SITE CODE: -

DATE SAMPLED: 11 MAY 2018

CONTEXT: E384 / W385

SITE EMAIL: CHARLIE@MAPARCHLTD.CO.UK

LOCATION: WAKEFIELD, WEST YORKSHIRE

SITE CONTACT: CHARLIE STODART

FEATURE TYPE: FIRED STRUCTURE (DENUDED)

SAMPLED BY: DAVID GREENWOOD

COMPANY: MAP ARCHAEOLOGICAL PRACTICE LTD

SITE AND CONTEXT DETAILS

David Greenwood, from the University of Bradford, collected archaeomagnetic samples from a fired feature (context numbers E384/W385) at the site of Wakefield City Fields, Wakefield, West Yorkshire, on 11 May 2018. This study investigates the samples to determine whether a date of last heating can be ascertained.

The feature showed evidence of being fired in the past, and represented what may have been the much denuded remains of a corn-dryer, or a similar structure with a long fire chamber. 23 oriented button samples (see Appendix 1), distributed as evenly as possible, were collected from the east and west sides of the fire chamber (see Figure 1). The samples were oriented using a magnetic compass in the field, as there appeared to be no local disturbances to the geomagnetic field caused by the feature itself or any other factors. The material sampled was hard but friable, and only a small portion of the sample remained attached to the buttons when removed from the feature.



Figure 1 - Position of archaeomagnetic sampling buttons on feature - context no E384 / W385.

ANALYSIS

The 23 samples were measured at the Archaeomagnetic Dating Research Laboratory, University of Bradford, using a Molspin fluxgate spinner magnetometer to investigate the natural remanent

magnetisation (NRM) recorded by the samples. The stability of the samples was investigated through a pilot study of a subset of the samples, using step-wise alternating field (a.f.) demagnetisation (progressively in steps from 2.5mT to 100mT). The results of the pilot study showed a single stable component after 7.5mT through to the origin. Secondary components (often laboratory viscous overprints) of the magnetisation were removed from the remaining samples by demagnetisation, leaving the archaeologically significant characteristic remanent magnetisation (ChRM). The magnetic measurements for the NRM, the ChRM and the a.f. field used to remove the secondary components of the magnetisation have been summarised in Table 1.

Sample	NRM			a.f field (mT)	ChRM			Comments
	Dec	Inc	Intensity		Dec	Inc	Intensity	
1	24.4	60.9	364.628	7.5	27.3	69.1	40.205	Pilot study
2	354.2	64.8	21.611	7.5	349.8	70.0	19.588	
3	350.8	63.5	92.168	7.5	342.2	64.6	11.802	
4	10.5	66.3	56.487	7.5	358.4	66.4	9.273	Pilot study
5	346.5	77.3	19.617	7.5	2.8	74.6	16.328	
6	340.1	75.6	32.453	7.5	310.8	74.5	6.189	Discordant outlier
7	5.5	67.7	49.934	7.5	353.6	75.9	32.181	
8	24.4	64.3	113.614	7.5	32.4	65.2	2.249	Discordant outlier
9	347.0	58.1	17.784	7.5	344.9	62.4	15.685	
10	15.2	61.3	21.272	7.5	351.2	68.1	8.958	
11	0.7	60.3	13.697	7.5	355.0	67.7	5.028	
12	3.9	64.1	22.555	7.5	348.7	65.8	10.193	
13	306.3	69.6	23.442	7.5	293.1	73.1	8.930	Pilot study Discordant outlier
14	7.4	56.1	30.699	7.5	5.9	60.6	13.828	
15	6.5	61.6	13.859	7.5	354.9	65.9	5.931	
16	8.3	68.7	25.894	7.5	10.1	73.7	13.746	
17	346.0	62.5	19.193	7.5	357.0	70.0	9.733	
18	6.5	61.6	98.333	7.5	351.7	71.9	6.983	
19	17.2	59.3	208.019	7.5	3.2	70.3	58.931	
20	2.7	66.6	50.133	7.5	335.4	64.2	11.330	
21	12.1	62.7	17.168	7.5	19.4	65.1	6.370	
22	345.6	63.4	22.376	7.5	342.1	65.1	19.521	
23	2.4	61.5	135.909	7.5	343.4	66.9	14.914	

Table 1: Details of the archaeomagnetic analysis of the NRM and ChRM.

The ChRM vectors were plotted on a stereographic projection (Fig. 2) with the mean magnetic vector, shown as a small black circle on Figure 2, to show the spatial variation of the vectors. By using the outlier discordancy analysis as outlined by McFadden (1982) which produces an angle from the mean direction, shown as the red circle in Figure 2, three points can be seen as clear outliers. These samples may have been disturbed in the past or during sampling and can be removed from the final ChRM results to produce a revised magnetic direction.

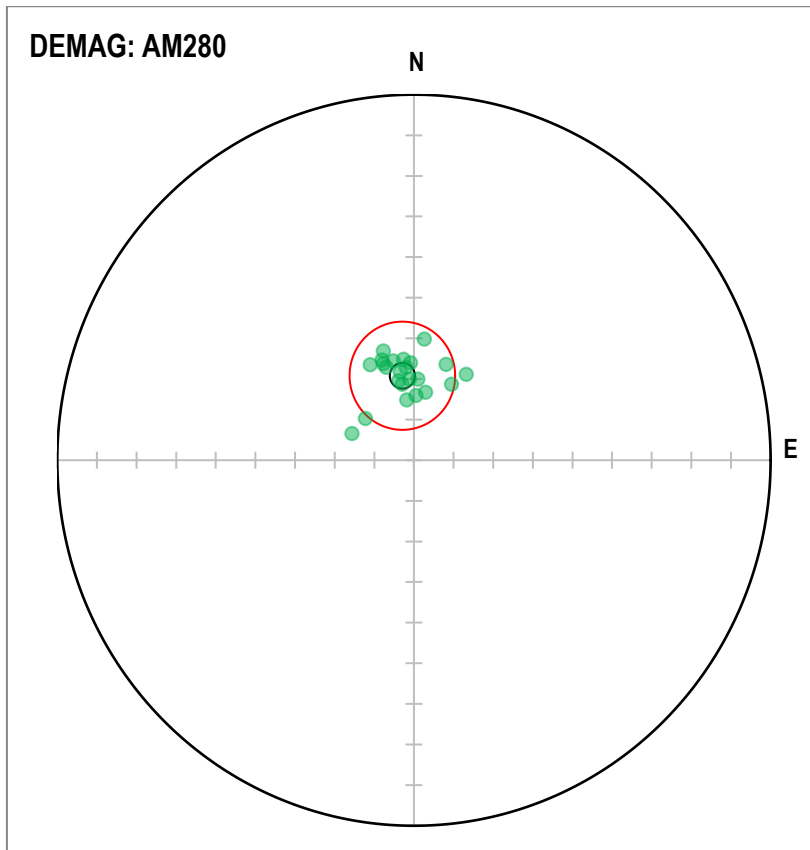


Figure 2: Stereographic plot of the ChRM vectors, showing the mean direction (small black circle), and the angular area within which vectors are considered concordant with the mean direction, whilst those without are considered discordant (red circle).

The mean magnetic vector for the ChRM of AM280, excluding the outliers is given by Table 2.

	Dec	Inc	Alpha-95 (α_{95})	Precision parameter (k)
Value corrected at Site	354.0	69.3	2.6	163.7
Value corrected to Meriden	354.1	68.4	2.6	163.7

Table 2: Summary of the mean magnetic vector for the ChRM of AM280.

ARCHAEOMAGNETIC DATING

The mean directional results, after the removal of the secondary magnetic component and discordant outliers, were corrected to Meriden ($\phi = 52.43^\circ$ N, $\lambda = 1.62^\circ$ W), the reference locality for the British calibration curve using the standard method defined by Noel and Batt (1990). The corrected mean direction was then compared to the calibration dataset for Britain (Batt *et al.* 2017) using the Matlab tool developed by Pavón-Carasco *et al.* (2011). The details of the calibrated age ranges produced using these calibration curves can be found above, and in Figure 3 below. All calibrated age ranges are presented at 95% confidence intervals.

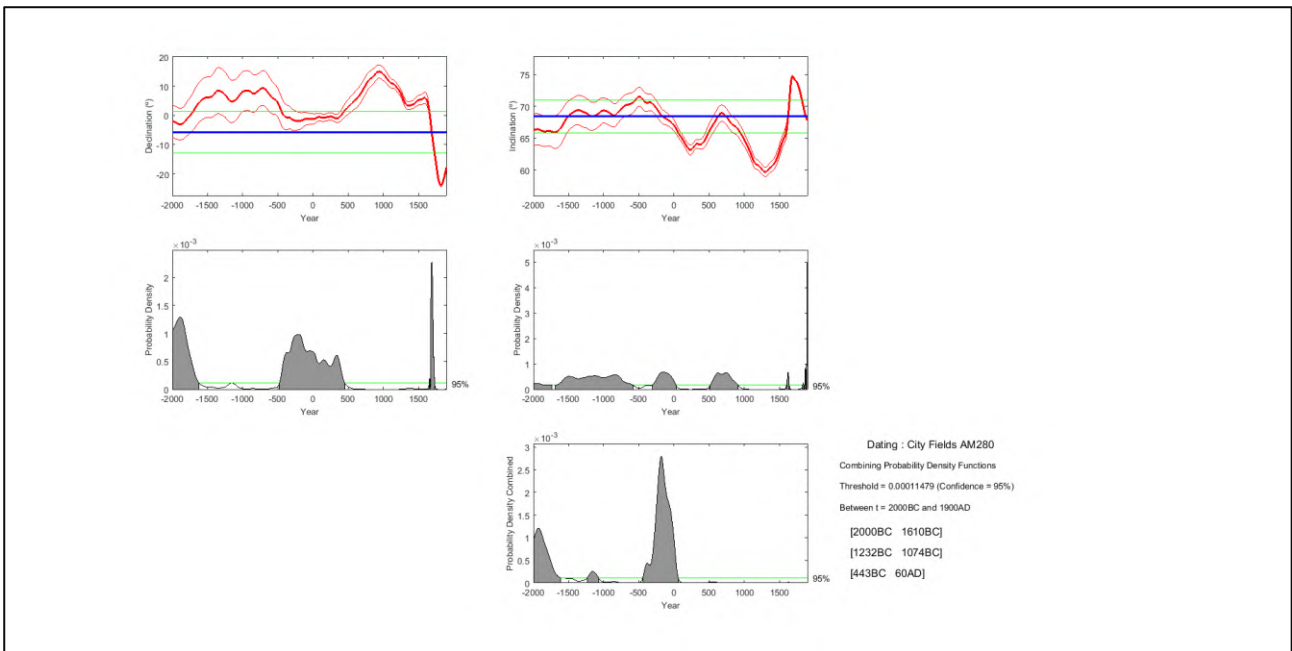


Figure 3: Probability density for AM280 produced by the Archaeomagnetic Dating Tool for Matlab. . Top row shows master secular variation curves for the observation site (red bold curves with red error bands) of the declination and inclination with the archaeomagnetic directions (blue line) and associated scatter (green lines). Middle row shows the individual probability density functions for the declination and inclination – the green line indicates the 95% probability threshold. Bottom row shows the combined probability density marked with the green line of 95% probability, and the archaeomagnetic age ranges.

It is important to note that these possible age ranges relate to the last time the feature was heated above c.400°C, and therefore potentially date to the end of the phase of activity within the structure.

DISCUSSION AND CONCLUSION

Despite only small amounts of material adhering to the sample buttons, due to the friable nature of the material, all of the samples had sufficient intensity values for full analyses. The intensity values were sufficient to show that the feature had reached a high enough temperature in the past to allow the magnetic grains to record the ambient magnetic field when they last cooled after firing.

The calibration gives three possible date ranges at 95% confidence: 443BC-AD60, 1232BC-1074BC and 2000BC-1610BC. This arises because the Earth’s magnetic field has had the same values at several periods in the past. The archaeological evidence can be used to discount the earlier age ranges, thus leaving an age range of 443BC-AD60 as the most likely, suggesting that the feature last cooled during the Late Iron Age or early Romano-British period. The date range obtained is larger than would be hoped for with such well-grouped data. This is a reflection of the paucity of archaeomagnetic data for this period. It would be possible to improve this date range by combining it with other dating evidence from this feature in a Bayesian model. It is also possible that further refinements to the British archaeomagnetic dataset may allow the precision of the date to be improved in the future.

Appendix 1: An Introduction to Archaeomagnetic Dating

PRINCIPLES

Archaeomagnetic dating is a derivative dating method, based on a comparison of the ancient geomagnetic field, as recorded by archaeological materials, with a dated record of changes in the Earth's field over time in a particular geographical area. The geomagnetic field changes both in direction (declination and inclination) and in strength (intensity) and archaeomagnetic dating can be based on either changes in direction or intensity or a combination of the two. Dating by direction requires the exact position of the archaeological material in relation to the present geomagnetic field to be recorded, and so the material must be undisturbed and sampled *in situ*. Dating by intensity does not require *in situ* samples but is less precise and experimentally more difficult. The laboratory at the University of Bradford uses archaeomagnetic dating by direction.

SUITABLE MATERIALS FOR DATING

For archaeological materials to be suitable for dating using magnetic direction they must contain sufficient magnetised particles and an event must have caused these particles to record the Earth's magnetic field. Many geologically derived materials e.g. soils, sediments, clays, contain sufficient magnetic minerals. There are primarily two types of archaeological events which may result in the Earth's magnetic field at a particular moment being recorded by archaeological material: heating and deposition in air or water.

If materials have been heated to a sufficiently high temperature (>400°C) they may retain a thermoremanent magnetisation (TRM), which reflects the Earth's magnetic field at the time of last cooling. Suitable archaeological features would include hearths, kilns and other fired structures.

Sediments may acquire a datable detrital remanent magnetisation (DRM) from the alignment of their magnetic grains by the ambient field during deposition. Such an effect allows deposits in wells, ditches and streams to be dated. However, this aspect of archaeomagnetic dating is still under development, as factors such as bioturbation and diagenesis, can cause post-depositional disturbance of the magnetisation.

Archaeomagnetic dating can be applied to features expected to date from 5000BC to the present day, as this is the period covered by the current British calibration curve. However, as discussed below, the precision of the date obtained will vary according to the period being dated.

SAMPLING

Samples of robust fired materials are taken by attaching a 25mm flanged plastic reference button to a cleaned stable area of the feature using a fast-setting epoxy resin (Clark *et al.* 1988). The button is levelled, using a spirit level, and held in place with a small bead of plasticine while the resin sets. The direction of north is then marked on the button using a magnetic compass, sun compass or gyrotheodolite, and the button removed with a small part of the feature attached to it. Samples are trimmed and consolidated in the laboratory with a solution of 10% polyvinylacetate in acetone, or sodium silicate solution. Sediments and soft friable fired materials are sampled by insertion of a 2cm diameter plastic cylinder, onto which the direction of north is marked. Magnetometers used are sufficiently sensitive for only small samples (c. 1cm³) to be required; approximately fifteen samples are needed from each feature and it may be possible to select sampling location to minimise the visual impact if the feature is to be preserved.

LABORATORY MEASUREMENTS

In the laboratory a spinner magnetometer is used to measure the remanent magnetisation of each sample (Molyneux 1971). The measurement indicates the relative strength and direction of the magnetic field of the sample. The stability of this magnetisation is then examined by placing the sample in alternating

Archaeomagnetic Dating at Wakefield City Fields

magnetic fields of increasing strength (2.5 to 100mT) and removing the magnetisation step-by-step. The demagnetisation measurements allow removal of any less stable magnetisations acquired after the firing or depositional event, leaving the magnetisation of archaeological interest. It can also be used to indicate the magnetic mineralogy of the samples using information relating to the field required to reduce the intensity to half its original value, known as the median destructive field (MDF); higher values are indicative of harder magnetic minerals such as haematite (Sternberg *et al.* 1999). The results of measurements of the direction of magnetisation of a group of samples are represented on a stereographic plot, which shows declination as an angle measured clockwise from north and inclination as a distance from the perimeter.

STATISTICAL ANALYSIS

The magnetic directions from a number of samples expected to have the same date are combined to find a mean direction, the precision of which is defined using Fisherian statistics (Fisher 1953). The alpha-95 (α_{95}) represents a 95% probability that the true mean direction lies within a cone of confidence around the observed mean direction, and would be expected to be less than 5° for dating purposes. A value larger than this indicates that the magnetic directions of the samples are scattered and therefore do not all record the same magnetic field.

Samples observed to be discordant from the mean directional value are assessed using a statistical test defined by McFadden (1982) which shows that given the observed grouping of the N concordant observations, with resultant vector of length R , there is a probability P that an outlier from the same distribution will exceed an angle $\gamma_{(1-P)}$ from the mean of the concordant group, where

$$\cos\gamma_{(1-P)} = 1 - \frac{(R + 1)(N - R)}{R} \left[\left(\frac{1}{1 - (1 - P)^{1/(N+1)}} \right)^{1/(N-1)} - 1 \right]$$

Thus, with $P = 0.05$, if the outlier lies further than $\gamma_{0.95}$ from the mean of the other N observations then it may be concluded with 95% confidence that the outlier is discordant with the other observations and therefore be removed from the analysis.

CALIBRATION OF DATES

Once the mean ChRM direction has been obtained this is dated by comparing it with a calibration curve showing changes in the Earth's field over time. As the variation of the Earth's magnetic field is not predictable (Batt 1997), the pattern of change has to be established by independent dating, typically historical records, radiocarbon or dendrochronology. The British calibration curve is compiled from direct measurements of the field which extend back to AD1576 in Britain, and from archaeomagnetic measurements from features dated by other methods. As the geomagnetic field changes spatially, data for the calibration curve can only be drawn from within an area approximately 1000km across and all magnetic directions must be corrected mathematically to a central location (Noel and Batt 1990). There is a single calibration curve for England, Scotland and Wales and directions are corrected to Meriden ($\phi = 52.43^\circ$ N, $\lambda = 1.62^\circ$ W).

British archaeological dates are calibrated using the secular variation curve developed by Batt *et al.* (2017), using a Matlab tool developed by Pavón-Carassco *et al.* (2011). Additional global secular variation curves can also be used, such as ARCH3k.1 and CALS3k.3 datasets (Korte *et al.* 2009). The secular variation curves differ in terms of the datasets that have been used to construct them, for example: the ARCH3k.1 curve is a global database of archaeomagnetic data only, while the CALS3k.3 curve is also a global database of archaeomagnetic data but incorporates lake sediment magnetic data. This results in subtly different calibrated age ranges being produced for the same magnetic directions.

PRECISION OF DATES

There are a number of factors that will influence the error margins of the dates obtained:

- Differential recording of the field by different parts of the feature
- Disturbance of the material after firing/deposition
- Uncertainties in sampling and laboratory measurements
- Error margins in the calibration curve itself
- Uncertainties in the comparison of the magnetic direction with the calibration curve
- Spatial variation of the geomagnetic field

The precision of the calibration curve varies according to the archaeological period and so the precision of the date obtained will depend on the archaeological dates. As the geomagnetic field has occasionally had the same direction at different times, it is also possible to have two or more alternative dates for a single feature. In most cases the archaeological evidence can be used to select the most likely of these.

Given the number of different factors it is not possible to give a general feature for the precision of archaeomagnetic dates but there will be an error margin of at least ± 50 years. It is important to note that since the method relies on the reliability of previously dated sites the calibration curve can be improved as more measurements become available. Features that cannot be dated or given broad age ranges now, may be datable in the future.

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**WEST YORKSHIRE ARCHAEOLOGY ADVISORY SERVICE:
SPECIFICATION FOR AN ARCHAEOLOGICAL STRIP AND RECORD
EXCAVATION AT CITY FIELDS WAKEFIELD, PHASE II, WESTERN AREA**

SE 34578 22261

Specification prepared on behalf of City of Wakefield Metropolitan District Council at the request of Sophie Coy of MAP Archaeological Consultancy Ltd. in response to planning consent 17/02079/REM.

1. Summary

- 1.1. A programme of archaeological strip and record excavation is proposed to mitigate the impact of development at the above site.
- 1.2. Archaeological remains have been shown to be present by a geophysical survey and previous work in the vicinity, this specification covers the work necessary to record any further remains and preserve them by record.
- 1.3. This specification has been prepared by the West Yorkshire Archaeology Advisory Service (WYAAS), the holders of the West Yorkshire Historic Environment Record.

NOTE: The requirements detailed in paragraphs 6.2, 6.3, 6.4, 6.5 and 9.1 are to be carried out by the archaeological contractor prior to the commencement of fieldwork and the attached notification form completed.

2. Site Location & Description (Fig. 1)

Grid Reference: **SE 34578 22261**

- 2.1. The development site lies on agricultural land to the east of Aberford Road (A642), south of The A6194 (Wakefield Eastern Relief Road) and north of Barnstone Vale and associated cul de sacs.
- 2.2. The sinuous development area has an area of 4.38ha of which the western 2.33ha is covered by this specification (Area A). It is located on the Pennine Middle Coal Measures Formation overlain by River Terrace Deposits of sand and gravel deposits to the east. The site lies in the historic township of Stanley cum Wrenthorpe.

3. Background

- 3.1. In response to an application for planning consent 13/02623/HYB the site was archaeologically evaluated by limited geophysical survey and trial trenching in the phase 1 Area. Subsequently two areas of strip and record excavation were opened and significant archaeological remains excavated (Wessex Archaeology, Archaeological Services WYAS and On Site Archaeology see PRN 12621).

- 3.2. Phase II of the development will develop areas which can be shown to contain further important archaeological remains. WYAAS recommended that an archaeological evaluation was carried out on the site prior to development. The applicant carried out a geophysical survey which has established that significant archaeological potential is present in the northern part of the site. Further archaeological evaluation and excavation is necessary to characterise and record these remains and to establish if other remains are present within the wider development.
- 3.3. This specification has been prepared by WYAAS, at the request of Sophie Coy of MAP Archaeological Practice Ltd. (Showfield Lane, Malton YO17 6BT Tel.: 01653 697752) to detail what work is required and to allow an archaeological contractor to provide a quotation.

4. Archaeological Interest

- 4.1. The site is located in an area of known archaeological potential as shown by previous evaluation and excavation. This potential includes late prehistoric farmsteads and field systems and, unusually for West Yorkshire, some evidence of medieval rural settlement.
- 4.2. A geophysical survey of the site by Archaeological Services WYAS (Report 3044) shows that a complex of archaeological anomalies and possible anomalies are present in the west of the current site. These are dominated by boundary ditches and possible enclosures which are likely to date from the late Prehistoric and Romano-British periods. Excavation to the immediate west of the present site showed that funerary monuments exemplified by a ring ditch or barrow dating to the Bronze Age 2500BC – 700BC were present within a later field system. Two at present undated cremation burials were also excavated during this work but these were associated with boundary features rather than the barrow. The later field system had begun to be abandoned during the later Roman Period (pers com Graham Bruce, On Site Archaeology).
- 4.3. A number of features of medieval date were also excavated. It is not yet known if these are associated with Clarke Hall, which is believed to have been founded in the 14th century, or earlier occupation. Later post medieval features associated with the development of a garden landscape around Clarke hall and perhaps the later Stanley Hall which is located to the north of the site.
- 4.4. Geophysical anomalies to the east of the development site may be associated St. Swithin's Well which is known to be located on the site's south-eastern boundary. The medieval chantry chapel of St. Swithin's is also thought to have lain nearby although it is believed to have been destroyed by house building to the north of Barnstone Vale (West Yorkshire Historic Environment Record PRN 1636 & 3445).
- 4.5. St. Swithin's well was reputed to have curative powers and during the 18th century a bath house and caretaker's cottage was erected on the site. The cottage is clearly shown on historic maps although not recorded as an obvious anomaly on either a 2013 or the more recent geophysical survey.

5. Aims and Objectives

- 5.1. The aim of the strip and record exercise is to identify and record the presence/absence, extent, condition, character and date (as far as circumstances permit) of any archaeological features and deposits within the yard.
- 5.2. If significant remains are identified it may be necessary to implement a further watching brief during groundworks elsewhere in the site. This will depend upon the results of the strip and record and will be covered by a further specification.
- 5.3. The strip and record is designed to mitigate the destruction of buried archaeological remains through 'preservation by record' and furnish information on the development and form of settlement in Wakefield during the medieval and post medieval periods.

6. General Instructions

6.1. Health and Safety

6.1.1. The archaeologist on site will naturally operate with due regard for Health and Safety regulations. In this case, where archaeological work is carried out at the same time as the work of other contractors, regard should also be taken of any reasonable additional constraints that these contractors may impose. This work may require the preparation of a Risk Assessment of the site, in accordance with the Health and Safety at Work Regulations. WYAAS and its officers cannot be held responsible for any accidents or injuries that may occur to outside contractors engaged to undertake this strip and record excavation brief while attempting to conform to this specification.

6.2. Confirmation of Adherence to Specification

6.2.1. Prior to the commencement of any work, the archaeological contractor must confirm adherence to this specification in writing to WYAAS, or state (with reasons) any proposals to vary the specification. Should the contractor wish to vary the specification, then written confirmation of the agreement of WYAAS to any variations is required prior to work commencing. Unauthorised variations are made at the sole risk of the contractor. Modifications presented in the form of a re-written specification/project design will not be considered by WYAAS.

6.3. Confirmation of Timetable and Contractors' Qualifications

6.3.1. Prior to the commencement of any work, the archaeological contractor must provide WYAAS in writing with:

- a projected timetable for the site work;
- details of the staff structure and numbers;
- names and CVs of key project members (the project manager, site supervisor, any proposed specialists, sub-contractors *etc.*),

6.3.2. All project staff provided by the archaeological contractor must be suitably qualified and experienced for their roles. The timetable should be adequate to allow the work to be undertaken to the appropriate professional standard, subject to the ultimate judgement of WYAAS.

6.4. Notification and Monitoring

6.4.1. The recording exercise will be monitored as necessary and practicable by WYAAS in its role as curator of the county's archaeology. WYAAS should be provided with as much notice as possible in writing (and certainly not less than one week) of the intention to start the work. A copy of the archaeological contractor's risk assessment of the site should accompany the notification.

6.4.2. Don O'Meara (Science Advisor for the North East and acting for Yorkshire Tel.: 0191 2691250; 07824 529245; don.o'meara@historicengland.org.uk), the Historic England regional science advisor should be notified that the excavation is commencing.

6.5. Documentary Research

6.5.1. Prior to the commencement of fieldwork, the archaeological contractor (either the project manager or the site supervisor) must visit the Historic Environment Record in order to familiarise themselves with the archaeological/historical background of the site and environs (West Yorkshire Historic Environment Record (West Yorkshire Historic Environment Record, West Yorkshire Joint Service, Nepshaw Lane South, Morley, Leeds LS27 7JQ: wyher@wyjs.org.uk). In addition to providing a knowledge base for the work in hand, the results of this assessment may be incorporated into the contractor's report where they are considered to contribute to that report, but any extraneous material should be omitted. Please note that the HER makes a charge for commercial visits.

7. Fieldwork Methodology

7.1. Strip and Record Excavation

7.1.1. The area of Strip and record excavation comprises the western part of this phase of the City Fields development. This area are targeted on clear geophysical anomalies and measure:

Open Area	Area	Reason
A	2.3ha	Archaeological anomalies indicated by geophysical survey continue from excavated remains to the west.

7.1.2. The area may be opened using an appropriate machine fitted with a wide toothless ditching bucket. The topsoil and recent overburden should be removed down to the first significant archaeological horizon in successive level spits of maximum 0.2m thickness. Under no circumstances should

the machine be used to cut arbitrary trenches down to natural deposits. All machine work must be carried out under direct archaeological supervision and the machine halted if significant archaeological deposits are encountered. The top of the first significant archaeological horizon may be exposed by the machine, but must then be cleaned by hand and inspected for features. Excavation should then continue manually.

7.1.3. All archaeological remains will be hand excavated in an archaeologically controlled and stratigraphic manner sufficient to meet the aims and objectives of the project. The excavation will record the complete stratigraphic sequence, down to naturally occurring deposits and will investigate and record all inter-relationships between features. The following excavation strategy will be employed:

- Linear boundary features such as ditches and gulleys: a minimum sample of 20% of each linear boundary feature. Each section should be at least 1m wide and, where possible, sections will be located and recorded adjacent to the trench edge. All intersections will be investigated to determine the relationship(s) between the component features. All termini will be investigated.
- To assist in dating boundary features care should be taken to locate any datable artefacts in their correct stratigraphic position.
- In the absence of dating evidence being recovered from the 20% sample, ditches are to be up to 100% excavated. This may be achieved by using a mini-excavator, if appropriate, to excavate the upper fills to the undisturbed primary deposits which should be excavated by hand to maximise the recovery of dateable artefacts or material suitable for scientific dating. The use of techniques, such as Optically Stimulated Luminescence Dating, should also be considered as a means for dating significant archaeological features.
- Other linear and discrete features: all stake-holes, post-holes, pits, ring ditches, kilns, and other structural/funerary/industrial features will be 50% excavated in the first instance, recorded in section, and then fully excavated. All intersections will be investigated to determine the relationship(s) between the component features. Where possible, sections will be located and recorded adjacent to the trench edge.
- Built structures: walls, floors etc. will be excavated sufficient to establish their form, phasing, construction techniques and date. All intersections will be investigated to determine the relationship(s) between the component features.

7.1.4. All artefacts are to be retained for processing and analysis except for unstratified 20th-century material, which may be noted and discarded. Finds will be stored in secure, appropriate conditions following the guidelines in First Aid for Finds (3rd edition).

7.2. Method of Recording

7.2.1. All excavation will be recorded according to the normal principles of stratigraphic excavation. The stratigraphy of the trenches and areas is to be recorded, even when no archaeological deposits have been identified.

- 7.2.2. Section drawings (at a minimum scale of 1:20) must include heights A.O.D. Plans (at a minimum scale of 1:50) must include O.D. spot heights for all principal strata and any features. In the case of evaluation trenches at least one section of the trench edge, showing a representative and complete sequence of deposits from the modern ground surface to the natural geology, will be drawn and reproduced in the report. In trenches where no archaeological features are present a representative section showing the soil profile will be drawn and illustrated in the report.
- 7.2.3. The actual areas of excavation and all archaeological (and possibly archaeological) features should be accurately located on a site plan and recorded by photographs, scale drawings and written descriptions sufficient to permit the preparation of a detailed archive and report on the material. The trench location, as excavated, will be accurately surveyed, tied into the O.S. National Grid and located on an up-to-date 1:1250 O.S. map base.
- 7.2.4. Except where otherwise specified by the WYAAS, black and white photography using orthodox monochrome chemical development should be used. Film should be no faster than ISO400. Slower films should be used where possible as their smaller grain size yields higher definition images. Technical Pan (ISO 25), Pan-F (ISO50), FP4 (ISO125) and HP5 (ISO400) are recommended. The use of dye-based films such as Ilford XP2 and Kodak T40CN is unacceptable due to poor archiving qualities. Black and white photography should be supplemented by colour photography; this should be in transparency format (i.e. slides or digital photography as an acceptable alternative, see paragraph 7.2.5 below).
- 7.2.5. Digital photography: as an alternative to colour transparency photography, good quality digital photography may be supplied, using cameras with a minimum resolution of 10 megapixels. Digital photography should follow the guidance given by Historic England in Digital Image Capture and File Storage: Guidelines for Best Practice, July 2015. Note that conventional black and white print photography is still required and constitutes the permanent record. Digital images will only be acceptable as an alternative to colour slide photography if each image is supplied in both JPEG and TIFF versions. The latter as an uncompressed 8-bits per channel TIFF version 6 file of not less than 25Mbs (See section 2.3 of the Historic England guidance). The contractor must include metadata embedded in the TIFF file. The metadata must include the following: the commonly used name for the site being photographed, the relevant centred OS grid coordinates for the site to at least six figures, the relevant township name, the date of photograph, the subject of the photograph, the direction of shot and the name of the organisation taking the photograph. **Any digital images are to be supplied to WYAAS on gold archive quality CDs by the archaeological contractor accompanying the hard copy of the report.**
- 7.2.6. **Use of Drones:** If the contractor intends to use a drone to obtain aerial images of the site they must ensure that this activity is in full compliance with aviation law, the operator is fully trained and if necessary licenced by

the Civil Aviation Authority and that a pre-flight and onsite risk assessments have been carried out. Digital images obtained from a drone mounted camera must comply with the requirements for digital photography given above.

7.3. Use of Metal Detectors

7.3.1. Spoil heaps are to be scanned for ferrous and non-ferrous metal artefacts using a metal detector capable of making this discrimination, operated by an experienced metal detector user (if necessary, operating under the supervision of the contracting archaeologist). Modern artefacts are to be noted but not retained (19th-century material and earlier should be retained.) Artefacts recovered by metal detecting should be identified in the report.

7.3.2. If a non-professional archaeologist is to be used to carry out the metal-detecting, a formal agreement of their position as a sub-contractor working under direction must be agreed in advance of their use on site. This formal agreement will apply whether they are paid or not. To avoid financial claims under the Treasure Act a suggested wording for this formal agreement with the metal detectorist is: "In the process of working on the archaeological investigation at [location of site] between the dates of [insert dates], [name of person contributing to project] is working under direction or permission of [name of archaeological organisation] and hereby waives all rights to rewards for objects discovered that could otherwise be payable under the Treasure Act 1996."

7.4. Environmental Sampling Strategy

7.4.1. Bulk samples must be taken from all securely stratified deposits using a strategy which combines systematic and judgement sampling, but which also follows the methodologies outlined in the English Heritage (2011) 'Environmental Archaeology: A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation (Second Edition)' guidance

7.4.2. Samples for specialist environmental analysis and scientific dating (soil profiles, archaeomagnetic dating, dendrochronology etc.) should be taken if suitable material is encountered during the excavation. The Historic England Science Advisor should be consulted (Don O'Meara Science Advisor Tel.: 0191 2691250; 07824 529245; don.o'meara@historicengland.org.uk) and provision should be made for an appropriate specialist(s) to visit the site, take samples and discuss the sampling strategy, if necessary.

7.5. Conservation Strategy

7.5.1. A conservation strategy must be developed in collaboration with a recognised laboratory. All finds must be assessed in order to recover information that will contribute to an understanding of their deterioration and hence preservation potential, as well as identifying potential for further investigation. Furthermore, all finds must be stabilised and packaged in accordance with the requirements of the receiving museum. As a guiding

principle, only artefacts of a “displayable” quality would warrant full conservation, but metalwork and coinage from stratified contexts would be expected to be x-rayed if necessary, and conservation costs should also be included as a contingency.

7.6. Human Remains

7.6.1. Any human remains that are discovered must initially be left in-situ, covered and protected. WYAAS will be notified at the earliest opportunity. Removal must comply with the relevant legislation, a Dept of Constitutional Affairs licence and local environmental health regulations.

7.7. Treasure Act

7.7.1. The terms of the Treasure Act 1996, as amended, must be followed with regard to any finds that might fall within its purview. Any finds must be removed to a safe place and reported to the local coroner as required by the procedures as laid down in the “Code of Practice”. Where removal cannot be effected on the same working day as the discovery, suitable security measures must be taken to protect the finds from theft.

7.8. Unexpectedly Significant or Complex Discoveries

7.9. Should there be unexpectedly significant or complex discoveries made that warrant, in the professional judgement of the archaeologist on site, more detailed recording than is appropriate within the terms of this specification, then the archaeological contractor should urgently contact WYAAS with the relevant information to enable them to resolve the matter with the developer.

8. Monitoring

8.1. The project will be monitored as necessary and practicable by WYAAS, in its role as curator of the county’s archaeology and advisor to the local Planning Authority. WYAAS’s representative will be afforded access to the site at any reasonable time. It is usual practice that the visit is arranged in advance, but this is not always feasible.

8.2. WYAAS’s representative will be provided with a site tour and an overview of the site by the senior archaeologist present and should be afforded the opportunity to view all trenches, any finds made that are still on site, and any records not in immediate use. It is anticipated that the records of an exemplar context that has previously been fully recorded will be examined. Any observed deficiencies during the site visit are to be made good to the satisfaction of WYAAS’s representative, by the next agreed site meeting. Access is also to be afforded at any reasonable time to Historic England’s Archaeological Science Advisor.

8.3. The WYAAS make a charge for monitoring visits and the archaeological contractor will normally be invoiced for this. It is envisioned that up to three monitoring visits will be necessary during this project. The archaeological contractor should contact the WYAAS for details of the current charges.

- 8.4. During fieldwork monitoring visits WYAAS officers will take digital photographs which may be published on the Advisory Service's social media feeds as part of an ongoing strategy to enable public access to information about current fieldwork in the county.

9. Archive Deposition

- 9.1. Before commencing the project, the archaeological contractor must contact the Wakefield district's archaeological curator to determine the museum's requirements for the deposition of an excavation archive. In this case the contact is Mr David Evans should be notified in writing of the commencement of fieldwork at the same time as WYAAS (Wakefield M.D.C. Museum and Arts, Pontefract Museum, 5 Salter Row, Pontefract, WF8 1BA. Tel:, 01924 305352 (daveevans@wakefield.gov.uk)).
- 9.2. It is the policy of Wakefield Museums to accept complete excavation archives, including primary site records and research archives and finds, from all excavations carried out in the District that it serves.
- 9.3. It is the responsibility of the archaeological contractor to endeavour to obtain consent of the landowner, in writing, to the deposition of finds with Wakefield Museum.
- 9.4. It is the responsibility of the archaeological contractor to meet Wakefield Museums' requirements with regard to the preparation of excavation archives for deposition

10. Post-excavation Assessment and Analysis

10.1. Requirement for Further Fieldwork

- 10.2. It is anticipated that upon (or approaching) completion of trial trenching a meeting with WYAAS will be arranged by the archaeological contractor, either at the WYAAS offices or on site, to discuss the results and agree what, if any, additional work may be warranted. The developer should also be invited to attend this meeting. The meeting may take the form of a telephone discussion at WYAAS' discretion. Following the meeting the archaeological contractor will either produce a report (if no further archaeological work is warranted), or draft a specification (if further work is required) to be submitted to WYAAS for written approval prior to the commencement of any further work.

- 10.3. If further fieldwork is required, the results of the evaluation will be integrated into an overall report encompassing all stages of work. However, if a different contractor is employed by the developer to undertake subsequent works, then a full, formal evaluation report (see paragraph 9.3 below) should be prepared and accepted by WYAAS before further fieldwork commences.

10.4. Initial Treatment of Artefacts and Samples

10.5. Upon completion of fieldwork all finds will be cleaned, identified, marked (if appropriate) and properly packed and stored in accordance with the requirements of national guidelines. Metalwork will be x-rayed and assessed by a conservator. Any samples taken shall be processed appropriately.

10.6. **Archive Consolidation**

10.7. The site archive will be checked, cross-referenced and made internally consistent. A fully indexed archive shall be compiled consisting of all primary written documents, plans, sections, photographic negatives and a complete set of labelled photographic prints/slides.

10.8. Any digital prints in the report must be made on paper and with inks which are certified against fading or other deterioration for a period of 75 years or more when used in combination. If digital printing is employed, the contractor must supply details of the paper/inks used in writing to the WYAAS, with supporting documentation indicating their archival stability/durability.

10.9. Standards for archive compilation and transfer should conform to those outlined in Archaeological Archives – a guide to best practice in creation, compilation, transfer and curation (Archaeological Archives Forum, 2007). The contractor should also take account of any additional requirements imposed by the recipient museum (see section 9 above).

10.10. The original archive is to accompany the deposition of any finds, providing the landowner agrees to the deposition of finds in a publicly accessible archive (see paragraph 9.3 above). In the absence of this agreement the field archive (less finds) is to be deposited with the West Yorkshire Archaeology Advisory Service.

10.11. **Assessment – Artefacts**

10.12. All artefacts must be assessed by a qualified and experienced specialist. Assessment should be generally based on MORPHE but should include:

- preparation of a descriptive catalogue;
- dating (where possible);
- an assessment of the significance of the assemblage;
- an assessment of the potential for further analysis to contribute to the interpretation of the archaeology of this site;
- an assessment of the potential for further analysis to contribute to artefact studies;
- recommendations for additional artefact illustration/photography;
- an assessment of the condition of the assemblage and recommendations for conservation, retention/discard and archiving.

10.13. **Assessment – Samples**

10.14. All environmental material must be assessed by a qualified and experienced specialist. Assessment should be generally based on MORPHE but should include:

- preparation of a descriptive table/catalogue;

- identification of material suitable for scientific dating;
- an assessment of the significance of the assemblage;
- an assessment of the potential for further analysis to contribute to the interpretation of the archaeology of this site;
- an assessment of the potential for further analysis to contribute to environmental studies;
- an assessment of the condition of the assemblage and recommendations for retention/discard and archiving.

10.15. Dating

10.16. Scientific dating should be undertaken at this stage if it is required to fulfil the aims of the project.

11. Reporting (Stage 1) – Interim Assessment of Potential

11.1. Following the return of the specialist reports to the archaeological contractor, but prior to the commencement of preparation of the detailed site report, the contractor should arrange a meeting with the WY Archaeology Advisory Service and (at his discretion) Historic England's Science Adviser Don O'Meara). The purpose of this meeting is to discuss the results of the initial stratigraphic synthesis and initial scientific analyses, and to determine any requirement for further scientific analyses prior to the formulation of the full report on the site. The meeting may take the form of a telephone discussion, at the discretion of the WY Archaeology Advisory Service.

11.2. Prior to the meeting, documentation sufficient to enable the Advisory Service and Historic England's Regional Science Adviser to evaluate any proposals for further analysis should be made available to WYAAS and HE. This documentation should consist of the following as a minimum, but should not include a detailed site narrative or constitute a draft of the final report:

- A brief narrative outline of the results of the excavation (**N.B.** this is not intended to be a detailed description of the stratigraphic sequence, but should provide sufficient detail to permit the form and development of the site to be understood by a third party who has not visited the excavation);
- Detailed description of any features/feature groups, the interpretation of which may be affected by the results of further scientific analysis;
- A re-evaluation of the aims and objectives of the project in the light of the initial specialist analysis;
- A descriptive context catalogue;
- Unedited copies of specialist reports;
- Detailed and specific recommendations for further artefact and environmental analysis;
- Detailed and specific recommendations for any additional scientific dating;
- Detailed and specific recommendations for further documentary research;
- Costings for any recommended further research, scientific analysis or dating;
- Recommendations for general publication in monograph form or in an appropriate journal, if warranted by the results of the excavation.

11.3. Illustrations should be sufficient to permit the summary discussion to be understood by a third party, and should include:

- Location plan;
- Trench locations (as excavated), overlaid on an up-to-date 1:1250 O.S. map base;
- Draft phase plans (these should be at a scale sufficient to illustrate major context and feature groups important to an understanding of the site narrative)
- Plans, sections and photographs sufficient to permit the narrative outline to be understood, and to support recommendations for further specialist analysis. Draft drawings and marked-up digital photographs are acceptable as long as these are legible.

12. Reporting (Stage 2) – Full Report

12.1. If further specialist analysis is judged by the WY Archaeology Advisory Service to be necessary and appropriate, this work should be commissioned and the results incorporated into a full report. If no further specialist analysis is required, then a full report will be produced.

12.2. Details of the style and format of the full report are to be determined by the archaeological contractor. However, it should be produced with sufficient care and attention to detail to be of academic use to future researchers. The report should be fully illustrated and include:

- background information;
- a description of the methodology;
- a full description of the results;
- an interpretation of the results in a local/regional/national context as appropriate;
- a full bibliography.

12.3. Appendices to the report should include:

- Unedited copies of final specialist reports;
- a quantified index to the site archive
- written confirmation from the relevant museum or other repository that the archive has been accepted for long-term storage, with full location details of the archive
- a copy of this specification.

12.4. Location plans should be produced at a scale which enables easy site identification and which depict the full extent of the site. A scale of 1:50,000 is not regarded as appropriate unless accompanied by more detailed plan(s). The location of the trenches (as excavated) should be overlaid on an up-to-date 1:1250 O.S. map base.

- 12.5. All illustrations should be executed to publication standard. Site plans should be at an appropriate, measurable scale showing the trenches as excavated and all identified (and, if possible, predicted) archaeological features/deposits. Trench and feature plans must include O.D. spot heights for all principal strata and any features. Section drawings must include O.D heights and be cross-referenced to an appropriate plan.
- 12.6. Finds that are critical for dating and interpretation should be illustrated.
- 12.7. Discrete features crucial to the interpretation of the site should be illustrated photographically.
- 12.8. In addition to the full report to be deposited with the WY Historic Environment Record, the results of this excavation may merit publication in monograph form or in a suitable archaeological journal (subject to the judgement of the WY Archaeology Advisory Service). If further publication is considered to be necessary, the archaeological contractor will be expected to approach the editor of the appropriate publication (after discussions with WYAAS) to confirm the journal's requirements and views with regard to the suitability of the proffered material.
- 12.9. **A hard copy of the full report (plus a digital facsimile copy on archive quality gold disk) will be submitted directly to the WY Archaeology Advisory Service within a timescale agreed by both parties.** The report will then be assessed by WYAAS to establish whether or not it is suitable for accession into the WY Historic Environment Record. A copy of the final report (in .pdf format) shall also be supplied to Historic England's Science Advisor (Don O'Meara don.o'meara@historicengland.org.uk). Any comments made by WYAAS in response to the submission of an unsatisfactory report will be taken into account and will result in the reissue of a suitably edited report to all parties, within a timescale which has been agreed with WYAAS. Completion of this project and a recommendation from WYAAS for the full discharge of the archaeological condition is dependant upon receipt by WYAAS of i) a satisfactory full report and, should publication be warranted, ii) a copy of a letter from an appropriate journal editor or publisher confirming acceptance of the article.
- 12.10. The full report, once accepted by WYAAS, will be supplied on the understanding that it will be added to the West Yorkshire Historic Environment Record and will become a public document after an appropriate period of time (generally not exceeding six months).
- 12.11. Copyright - Please note that by depositing this report, the contractor gives permission for the material presented within the document to be used by the WYAAS, in perpetuity, although The Contractor retains the right to be identified as the author of all project documentation and reports as specified in the Copyright, Designs and Patents Act 1988 (chapter IV, section 79). The permission will allow the WYAAS to reproduce material,

including for commercial use by third parties, with the copyright owner suitably acknowledged.

12.12. The West Yorkshire HER supports the Online Access to Index of Archaeological Investigations (OASIS) project. The overall aim of the OASIS project is to provide an online index to the mass of archaeological grey literature that has been produced as a result of the advent of large-scale developer funded fieldwork. The archaeological contractor must therefore complete the online OASIS form at <http://ads.ahds.ac.uk/project/oasis/>. Contractors are advised to contact the West Yorkshire HER officer prior to completing the form. Once a report has become a public document by submission to or incorporation into the HER, the West Yorkshire HER may place the information on a web-site. Please ensure that you and your client agree to this procedure in writing as part of the process of submitting the report to the case officer at the West Yorkshire HER.

12.13. The attached summary sheet should be completed and submitted to the West Yorkshire Archaeology Advisory Service for inclusion on WYAAS's website. During fieldwork monitoring visits WYAAS officers will take digital photographs which may be published on the Advisory Service's social media feeds as part of an ongoing strategy to enable public access to information about current fieldwork in the county.

12.14. A short note describing the results of this excavation should be supplied to the Council for British Archaeology's Yorkshire Forum publication (please contact the editor or CBA's website for more information forum-editor@cba-yorkshire.org.uk).

13. General Considerations

13.1. Authorised Alterations to Specification by Contractor

13.1.1. It should be noted that this specification is based upon records available in the West Yorkshire Historic Environment Record. It is recommended that archaeological contractors should carry out a site inspection prior to submitting a tender. If, upon visiting the site or at any time during the course of the recording exercise, it appears in the archaeologist's professional judgement that:

- i) a part or the whole of the site is not amenable to recording as detailed above, and/or
- ii) an alternative approach may be more appropriate or likely to produce more informative results,

13.1.2. It is then expected that the archaeologist will contact WYAAS as a matter of urgency. If contractors have not yet been appointed, any variations which WYAAS considers to be justifiable on archaeological grounds will be incorporated into a revised specification, which will then be re-issued to the developer for redistribution to the tendering contractors. If an appointment has already been made and site work is ongoing, WYAAS

will resolve the matter in liaison with the developer and the Local Planning Authority.

13.2. **Unauthorised Alterations to Specification by Contractor**

13.2.1. It is the archaeological contractor's responsibility to ensure that they have obtained WYAAS's consent in writing to any variation of the specification prior to the commencement of on-site work or (where applicable) prior to the finalisation of the tender. Unauthorised variations may result in WYAAS being unable to recommend either further work or the discharge of the planning condition to the Local Planning Authority based on the archaeological information available and are therefore made solely at the risk of the contractor.

13.3. **Technical Queries**

13.3.1. Any technical queries arising from the specification detailed above should be addressed to WYAAS without delay.

13.4. **Publicity**

13.4.1. If the project is to be publicised in any way (including media releases, publications etc.), then it is expected that WYAAS will be given the opportunity to consider whether its collaborative role should be acknowledged, and if so, the form of words used will be at WYAAS's discretion.

13.5. **Valid Period of Specification**

13.5.1. This specification is valid for a period of one year from date of issue. After that time it may need to be revised to take into account new discoveries, changes in policy or the introduction of new working practices or techniques.

David Hunter
West Yorkshire Archaeology Advisory Service

December 2017

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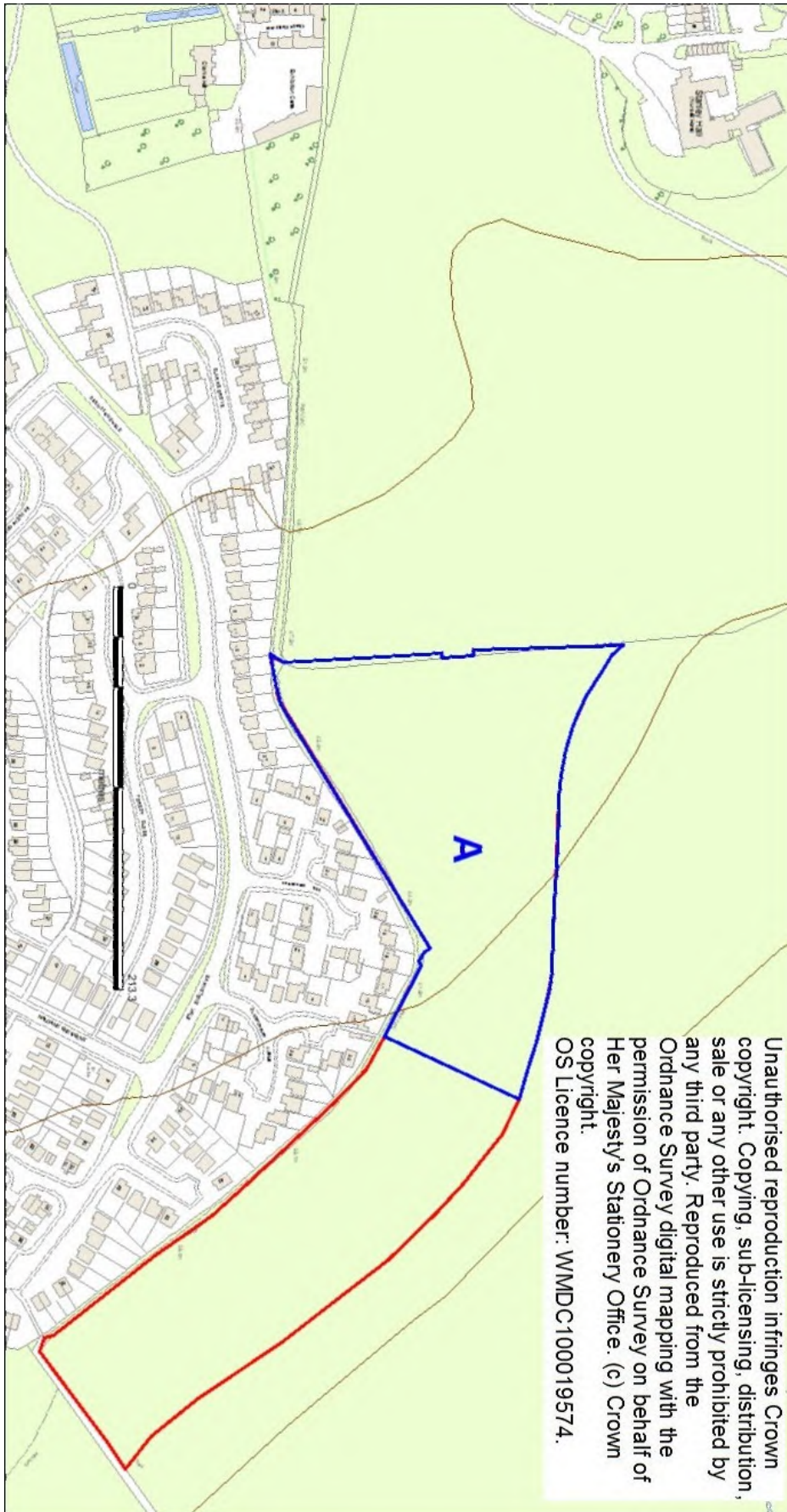


Figure 1. Area A location