

Den Brook North Tawton, Devon

Archaeological Evaluation and Mitigation Report



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Executive Summary

This report presents the results of an archaeological trial trench evaluation undertaken by Wessex Archaeology in November and December 2012 on land to the south-east of North Tawton, Devon (NGR 268700 100250) prior to the construction of a wind farm.

The evaluation consisted of 26 trenches and an excavation area targeted on locations based on information from a desk-based assessment and a geophysical survey.

The investigations located the remains of a Roman road with associated features, a small area of activity (consisting of postholes, a pit and a ditch) and a number of other ditches thought to be former field boundaries.

No further work on the artefactual or paleo-environmental evidence is proposed given the known baseline and the nature and extent of development proposals, although it is noted that there is some potential for further analysis of the environmental material recovered from some of those features identified, should the opportunity arise.



Archaeological Evaluation and Mitigation Report

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QUALITY ASSURANCE

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Summary

Wessex Archaeology was commissioned by AMEC on behalf of RES, to undertake an archaeological evaluation on land some 2.5km south east of North Tawton, Devon (NGR 268700 100250). This evaluation was undertaken prior to the construction of nine wind turbines and associated structures and services (planning reference APP/Q1153/A/06/2017162).

The evaluation consisted of 26 trenches and an area of excavation and was undertaken in November and December 2012.

This investigation successfully located the remains of the known Roman road which runs from east to west through the southern part of the Site. This was found to survive in relatively good condition with much of the stone metalling still in situ. Two wheel ruts were apparent within its surface and a ditch was located on the southern edge. The full width of the road was not seen as the northern edge was truncated and disturbed by the double hedgerow and ditch of the present parish boundary, but was over 7m wide. Another ditch lay just to the south of the road on the same alignment.

A small area of activity was seen in Trench 11, in the western part of the Site, consisting of five postholes, a pit and a ditch. Despite the presence of a sherd of prehistoric pottery in the topsoil these features remained undated and their exact purpose unclear despite opening an additional trench.

A number of shallow, small ditches were encountered which were concluded to be related to cultivation. A number of these ditches could be identified on late 19th and early 20th century maps but others may be of greater antiquity. Little dating evidence was found in relation to these features; although some small pieces of struck flint were recovered during this investigation which may be indicative of some general prehistoric activity in the vicinity. A stone axe (SF1), found in the northern part of the Site where circular cropmarks have been identified, also indicates prehistoric activity.



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The evaluation was directed by Naomi Brennan, assisted by Mark Bagwell, Dane Wright, Jonathan Buttery and Mark Stewart. The report was written and complied by Naomi Brennan with specialist reports by Matt Leivers (finds) and Sarah Wyles (environmental). The illustrations were prepared by Linda Coleman. The project was managed for Wessex Archaeology by Caroline Budd.



Archaeological Evaluation and Mitigation Report

INTRODUCTION 1

1.1 **Project Background**

- 1.1.1 Wessex Archaeology was commissioned by AMEC on behalf of RES, to undertake an archaeological evaluation on land some 2.5km south east of North Tawton, Devon. Centred on National Grid Reference (NGR) 268700 100250, hereafter referred to as the 'Site' (Figure 1). The development consists of nine wind turbines and associated structures and services (planning reference APP/Q1153/A/06/2017162).
- The evaluation was carried out between the 26th November and 7th 1.1.2 December 2012.

The Site, Location and Geology 1.2

- 1.2.1 The Site lies around 2km to the south-east of North Tawton and some 3km to the north-west of Spreyton within an area of small farm holdings. A branch of the Dartmoor Railway runs east - west through the Site. Along the line of the Roman road lies the parish boundary dividing North and South Tawton.
- 1.2.2 Due to the nature of the development the Site covers a wide extent but only impacts upon narrow corridors of land within this larger area. The northern edge of the Site is bounded by the A3072, it then extends south-east along the margins of Crooke Lane. Further trenches were located in the fields just to the north of the railway line with additional trenches to the south of the line and to the north-east of Itton, particularly around the area of the known Roman road. Trenches were also situated at the southern end of Sandford Lane with a single trench further east to the south of Sandford Plantation.
- 1.2.3 The majority of the Site is currently under pasture though it is ploughed in rotation for root crops and to improve the grass.
- The topography of the Site is extremely varied with a number of small hills 1.2.4 and valleys. The Site includes two tributaries of the River Yeo; a stream that passes through Crooke Burnell and Den Brook (both aligned east to west). The highest point of the site, just to the south of Crooke Burnell Farm, lies approximately 150m above Ordnance Datum (aOD) and the lowest point lies between 125m and 130m (aOD) at Den Brook.
- 1.2.5 The bedrock geology on site varies across the Site with three bedrock geological formations dominating. The sedimentary Bow Breccia Formation (Permian) spans the northern section of the site with igneous basalts of the same formation spanning the central region of the site. The south of the site lies over bedrock of the Ashton Mudstone Member and Crackington Formation (undifferentiated) – sedimentary mudstone and siltstone (Carboniferous). There are no superficial deposits recorded over the majority of the site but superficial deposits are recorded for the stream valleys. These deposits include Taw river terrace deposits and alluvium composed of clay, silt, sand and gravel.



1.3 Archaeological and Historical Background

- 1.3.1 A full consideration and assessment of the archaeological background was undertaken as part of the Environmental Impact Assessment (EIA) (RES 2005); a summary of the most relevant results are included below.
- A series of cropmarks have been identified in the field adjacent to the A3072 1.3.2 which seem to indicate ring ditches that can relate to prehistoric barrows. It is anticipated that the construction impacts will avoid these features but they may be associated activity within this area of Site. An additional possible circular cropmark lies in the field to the north of Trench 15.
- 1.3.3 Along the line of the parish boundary lies a known Roman road, which runs from Exeter to a complex of Roman military enclosures on a crossing point over the River Taw to the east of the Site (Scheduled Monument Number 10384).
- 1.3.4 Crook Burnell farmstead to which much of the development land belongs is thought to be the location of a former manor and is recorded during the Domesday Survey (AD 1086) as 'Crwk'. The farm also includes a 14th century chapel which is still used as a hayloft. This would seem to indicate cultivation of the immediate area around the farmstead from the medieval period, though much of the land, particularly the moorland areas, was unenclosed until the latter part of the nineteenth century.
- 1.3.5 The railway line which runs through the southern part of the Site, originally part of the Devon and Cornwall railway, was opened in 1865.

1.4 **Previous Investigations**

- 1.4.1 An evaluation was carried out by AC archaeology in which 2006 consisted of twelve trenches, primarily located in the proposed turbine locations. These located only three features, one tree-throw and two ditches. No dating was recovered from these features though seven pieces of struck flint were recovered from topsoil contexts which may indicate some prehistoric activity.
- 1.4.2 A geophysical survey was undertaken by Wessex Archaeology (2012) prior to the evaluation. This allowed some trenches to be targeted on identified anomalies. The gradiometer survey covered 12.3ha and demonstrated the presence of anomalies of definite, probable and possible archaeological interest within the survey area, along with regions of increased magnetic response and linear trends. One possible ring ditch was identified which was considered to be of definite archaeological interest.

1.5 **Aims and Objectives**

- 1.5.1 The aims of this field evaluation were to determine, as far as it was reasonably possible, the location, extent, date, character, condition, significance and quality of any surviving archaeological remains liable to be threatened by the proposed development.
- 1.5.2 Specifically two areas of higher archaeological potential were identified; possible burial mounds in the northernmost field and the course of a Roman road to the south of the railway line.

2 **METHODOLOGY**



- The full detailed methodology of the archaeological works was set out in a 2.1.1 Written Scheme of Investigation (AMEC 2012).
- 2.1.2 The trenches were excavated using a 360° mechanical excavator fitted with a wide toothless bucket, under constant archaeological supervision. Mechanical excavation continued in spits through topsoil and subsoil down to either the uppermost archaeological features or natural deposits, whichever was encountered first. Topsoil was separated from subsoil and any other arisings and stored at a minimum of 1m from the trench edge. The spoil from the trenches was scanned for artefacts. The trenches were backfilled with the excavated spoil, topsoil last in order to preserve the soil stratigraphy.
- 2.1.3 Where archaeological features were encountered they were investigated by hand, with a sufficient sample of each layer/feature type excavated in order to establish, where possible, their date, nature, character, extent and condition.
- 2.1.4 Archaeological deposits and features were recorded using Wessex Archaeology's pro forma recording system with a unique numbering system for individual contexts. Archaeological features and deposits were handdrawn at either 1:10 or 1:20, including both plans and sections, these were referred to the Ordnance Survey National Grid. The Ordnance Datum (OD) height of all principal features and levels were calculated and this information is included on both plans and sections. A representative section of each trench was recorded showing the depth of the overburden deposits.
- 2.1.5 A photographic record was kept utilising digital images. The record illustrates both the detail and the general context of the principal features, finds excavated, and the site as a whole. Digital images have been subject to a managed quality control and curation process which has embedded appropriate metadata within the image and ensures the long term accessibility of the image set.
- 2.1.6 The survey was carried out with a Leica Viva series GNSS unit using the OS National GPS Network through an RTK network with a 3D accuracy of 30mm or below. All survey data was recorded using the OSGB36 British National Grid coordinate system.
- 2.1.7 A unique site code 86781 was allocated to the Site, and was used on all records and finds.

2.2 **Best practice**

The evaluation was carried out in accordance with the relevant guidance 2.2.1 given in the Institute for Archaeologist's Standard and Guidance for archaeological field evaluation (IfA 2008).



3 **RESULTS**

3.1 Introduction

- 3.1.1 Details of individual excavated contexts and features are retained in the project archive. Summaries of the excavated sequences and details of the archaeological features can be found in Appendix 1.
- A total of 25 trenches were excavated, included an additional trench 3.1.2 requested by the County Archaeologist. These were around 25m long by 1.9m wide. A further excavation area was located over the course of the Roman road (approx. 30m long by 7m wide).
- 3.1.3 The trenches were between 0.23-0.60m deep and generally encountered around 0.30m of topsoil or ploughsoil directly overlying the natural deposits. In some areas a thin undeveloped subsoil was also seen.
- 3.1.4 Three different natural geological deposits were seen across the Site. The northernmost field (Trenches 1-4) was situated on a red sandy clay, a similar deposit was seen in Trenches 5 and 6 but here it was clearly weathered stone likely derived from the underlying basalt. The remainder of the trenches encountered a yellow clay.
- 3.1.5 Although many of the fields are currently under pasture most have been ploughed in recent history.

3.2 Results

Trenches without any archaeological features or deposits

- 3.2.1 Eleven of the trenches excavated revealed no archaeological features or deposits (Trenches 2, 4-6, 8, 10, 12, 21-23 and 26). Some disturbance was noted in **Trench 2** but upon further investigation was concluded to be animal burrows. Shallow ephemeral features observed in Trenches 5 and 12 were concluded to be ruts from the wheels of modern agricultural machinery.
- Between the base of the topsoil and the upper surface of the natural geology 3.2.2 in Trench 8 was a discontinuous grey silty layer 802 which had been deposited into a number of undulations in the natural geology. Upon investigation these were concluded not be features but likely the result of recent disturbance potentially a combination of heavy loads on the ground surface and standing water. Overlying the results with the 1906 Ordnance Survey map shows that **Trench 8** is situated along the original course of the track before it was diverted slightly to the west. A similar layer in Trench 26 (2602) which exhibited a roughly linear, north-south alignment was thought to be the result of water flowing downslope, probably over the track from the drainage ditch to the north.
- 3.2.3 Modern features were observed in Trenches 22 and 23 where the farmer has been laying pipework to help drain the land.

Natural features

3.2.4 Features were noted, investigated and recorded in Trenches 9, 16 and 18 but were concluded to be of natural origin. Within Trench 9 a large sub-oval feature was investigated, 904, and was interpreted to be the base of a treethrow. A field boundary is shown passing through Trench 9 on the 1906



map but no definite traces were apparent in the trench. Tree-throw 904 is mostly likely to be from a tree situated along this boundary.

- 3.2.5 A smaller oval feature in Trench 18, 1803 was also concluded to be of natural origin. A possible feature in this trench, further investigated at the request of the County Archaeologist, was shown to be a layer of silty material (1805) containing fragments of degraded stone. Its shallow and irregular nature indicates it is most likely the result of bioturbation.
- 3.2.6 A large but relatively shallow feature 1603 in Trench 16 which contained a humic deposit with signs of gleying (oxygen deficiency) at the base was thought to be an area which was previously waterlogged or a pond. A geophysical anomaly corresponds to this feature.

Undated features

- Six trenches contained undated features (Trenches 1, 3, 7, 11, 13 and 14), 3.2.7 although a small number of finds were recovered from features in **Trenches** 3 and 14 and in the topsoil of Trench 11 these cannot be considered to securely date these features and are more likely to be residual.
- 3.2.8 Trenches 1 and 3 both contained 'V-shaped' south-west - north-east aligned ditches (104 and 303), roughly parallel to the road (Figure 2, Plates 1 and 2). Projecting the alignment of these features suggests that they are either closely parallel or part of the same feature; the profile and deposit characteristics are very similar. Ditch 303 cut deposit 306 a colluvial deposit within possible plough headland 305 (Figure 2, Plate 2).
- Another small ditch was located within Trench 7, 703 (Figure 3). This lies at 3.2.9 a distinctly different alignment to the current field boundaries but does lie at the correct alignment to channel water down to the brook to the north and as such may reflect earlier cultivation. A corresponding response was seen in the geophysical data but only a limited extent could be seen.
- 3.2.10 Trench 11 included the possible ring ditch feature identified by the geophysical survey (Figure 4). Although a corresponding ditch 1103 was found at the southern end of the trench (Figure 4, Plate 6) nothing was located to correspond to the northern part of the arc. Ditch 1103 which contained a primary fill (1105) and two secondary fills (1104, 1118) appeared to have been heavily truncated. To the north of this was a series of postholes (1106, 1108, 1112, 1114 and 1116) and a small pit 1110. Four of these postholes (1106, 1112, 1114 and 1116) were very similar. containing a slightly mixed fill with remnants of the stone post-packing. In contrast 1108 had a much darker fill with fragments of charcoal (Figure 4, Plate 7). An environmental sample taken from this feature did not identify any other charred remains within the feature. Within the narrow confines of the trench it was difficult to establish the arrangement of the postholes but based on the current configuration 1106, 1112, 1114 and 1116 seem to form two parallel lines. At the request of the County Archaeologist an additional trench (Trench 26) was opened at the northern end of Trench 11 parallel to the fenceline, however, no further postholes were present. Pit 1110 contained three fills (1111, 1119, 1120) which were very red in colour (Figure 4, Plate 8), this colour may be partly due to heating but may also be natural colouring from the source material. Red coloured natural geology is not found in this area but does underlie the fields further to the north.



Fragments of charcoal were apparent within the upper and lower fills (1111 and 1119 respectively). Deposit 1111 was sampled and found to contain a small amount of charred grain in addition to the charcoal; this may suggest settlement activity in the vicinity. All three fills as interpreted as deliberate backfills of material, potentially derived from a nearby domestic hearth.

Trenches 13 and 14 both contained two ditches (1303, 1305, 1403 and 3.2.11 1405) (Figure 3), those in Trench 13 and the most northerly ditch in Trench 14 (1303, 1305 and 1405) were on a similar north-east - south-west alignment with a distinctive humic brown fill (1304, 1306, 1406) and a shallow concave profile (Figure 3, Plates 3 and 4). It therefore seems likely that these three features are contemporary and may be plough furrows or a system of drainage ditches. The remaining ditch 1403 was on a divergent east - west alignment with a much paler silty clay fill (1404), the amount of manganese within this fill suggests it was deposited under wet conditions. The alignment of this feature is tangential to the former field boundary suggesting this may have been a smaller sub-division or drainage ditch associated with this. All four features were visible from the geophysical survey though this area showed a high level of 'noise' potentially reflecting changes in the sub-surface geology.

Post-medieval boundaries

- 3.2.12 Comparison between the trench locations and the tithe and early Ordnance Survey mapping shows that a number of features encountered, though not directly datable in the field, are post-medieval or modern field boundaries. These features were located in Trenches 15, 17, 19, 20 and 24 (Figure 5).
- 3.2.13 Within Trench 15 were two potentially parallel features 1503 and 1505. While 1503 was clearly a wide but shallow north-north-east - south-southwest aligned ditch, 1505 did not extend all the way across. The fills of both features were similar (1504 and 1506) but the shape of 1505 was more characteristic of a tree-throw. Superimposing the features over earlier mapping shows that 1503 lies close to and potentially along the line of a field boundary, **1505** is therefore likely to be either vegetation along this boundary or, as is seen elsewhere, part of a double ditch and bank hedgerow arrangement with **1503**.
- Trench 17 lies to the south-west of Trench 15, and contained two 3.2.14 intercutting linear features 1703 and 1704 at the western end. Both were shallow with the easternmost feature in particular being slightly irregular, consistent with a hedgerow. Although they fall slightly to the east of where the field boundary is depicted on the 1906 map they are likely to relate to the boundary or activity along the field margin.
- A visible dip or crease could be seen in the hedgerow, running through the 3.2.15 western part of Trench 19 and northwards to the brook (Figure 5, Plate 9). Excavation showed that this corresponded to a ditch 1903. This ditch was only partially excavated due to its likely modern origins, its rapid infilling with water and the discovery of modern tree roots. The 1906 OS map shows that Sandford Lane continued southwards to the railway line revealing that 1903 was the eastern ditch along the edge of this track. At the eastern end of the trench an irregular area of disturbance was thought to be the result of water action.



Both Trenches 20 and 24 contained parallel features consistent with the traditional local double hedgerow and bank field boundaries (2004, 2006, 2403 and 2405) (Figure 5, Plate 10). Comparison with 1906 map shows that these were still extant boundaries at this time.

Excavation Area 25

- The excavation area was targeted on the projected line of the Roman road 3.2.17 and was designed to measure 30m long by 6m wide. Observation in the field indicated that the area crossed a major field boundary which also functioned as the parish boundary and a boundary between two farms. This consisted of a double bank with an internal ditch, hedges and mature trees were situated on both banks. A gap in the hedgerow and where the ditch had been filled in formed the only access route into the field to the north. As such a discontinuous area was originally stripped to the south and north of the boundary beyond the tree canopy. At the monitoring visit the County Archaeologist advised that he wanted a section dug through the boundary incorporating both banks in the hope of revealing the full width of the Roman road.
- 3.2.18 Immediately to the south of the field boundary a slight raised area was visible which the farmer identified as the course of the Roman road. Excavation in this area revealed the surface of the road 2510 directly beneath the topsoil 2501 (front cover). Hand cleaning of the surface showed this to be composed of densely compacted, small angular fragments of local stone. Two wheel ruts, 2503 and 2506, were visible aligned westnorth-west - east-south-east in line with the road and thought to be contemporary with its use. These ruts were directly parallel and around 1.5m apart (Figure 6 and Figure 7, Plate 11). The southernmost rut, 2503, is significantly deeper and contains a lower fill, 2504, where the road metalling has been pressed into the natural geology and an upper fill, 2505, where silt has accumulated in the resultant dip. The northernmost rut, 2506, is shallower and contains a single fill of gradually deposited material within the depression, 2507. The differing depths can most easily be explained if the road originally had a north-south camber causing the load to be unevenly distributed onto the downslope wheels. Though a slight bank is visible on the ground surface the stone surface 2510 appears to have been truncated and the original agger lost. The road line itself 2512 appears to have been dug into the natural geology and falls slightly to the north. A preliminary deposit of clay 2511 appears to have been laid as a base for the road. Along the southern edge of the road a ditch was visible 2508, this contained a single, very homogeneous fill of red sandy clay 2509 (Figure 7, Plate 11). The characteristics of this clay suggest it is derived from the natural deposits found it in the fields further to the north. Possibly this was imported to provide the upper surface of the road and it has subsequently eroded.
- Extending the area through the current field boundary revealed the stone 3.2.19 surface 2510 still in situ beneath the southern edge of the southern bank but beyond this the road had been lost, probably due to root disturbance (Figure 6, section and Figure 7, Plate 12). Both the existing hedgerow banks revealed a similar stratigraphic sequence (Figure 6, section). Each had a lower deposit, to the south 2517 a grey sandy clay and to the north a red sandy silt loam, 2520. These may be the last remnants of the road base layer and a deposit similar to that of the southern roadside ditch



- respectively. Above this was a buried topsoil horizon (2518 and 2521) overlain by re-deposited natural clay (2519 and 2522). This re-deposited clay will have been derived from the digging out of the central ditch 2515.
- 3.2.20 No finds were found in association with the road. Though it is believed to be Roman, the likelihood is that in continued it use through later periods. The siting of the parish boundary along the northern edge of the road suggests it was visible probably at least into the medieval period.
- 3.2.21 Another ditch 2513 was seen in the southern excavation area running parallel to the road approximately 2m to the south (Figure 6). As it respects the road it was probably constructed in reference to it but as discussed above the road may well have been visible for some time after the Romano-British period; therefore no conclusive date can be assigned to this ditch
- Within the north part of the excavation area, with the exception of a land 3.2.22 drain, only one other feature was visible. This east - west linear feature 2523, partially visible on the geophysical survey, appeared to be a modern feature (Figure 6). An initial hand-dug slot seemed to confirm this showing it to have straight, near vertical sides and a single deposit of mixed topsoil and re-deposited natural indicative of deliberate backfill. The slot was then deepened by machine to check this hypothesis, excavation halted once the intervention exceeded 1m in depth, without finding the bottom of the feature. Another obviously modern cut linear feature could be seen in the south-east corner of the southern part of the excavation area (Figure 6).

FINDS 4

- The archaeological investigations produced a very small quantity of finds, 4.1.1 comprising a single sherd of pottery, four pieces of struck flint and two worked stone objects, recovered from three contexts.
- 4.1.2 The pottery consists of a small, abraded and undiagnostic grog-tempered sherd (topsoil 1101 Trench 11), probably of Late Neolithic or Early Bronze Age date, although a later date (in the Iron Age) is possible.
- 4.1.3 The flint is largely undiagnostic. One piece (from 1101) is a crude scraper on a thick secondary flake which may be Early Bronze Age. A chisel arrowhead of Green's type f (1980, 101) came from 304. This is later Neolithic. The remaining pieces are flakes.
- 4.1.4 The blade end of an axe was unstratified. The axe has a truncated lenticular profile, finely ground on both faces but with the flat sides rough. The maximum width is 70mm, the depth 40mm. The axe is made from Group I (uralitized gabbro, epidiorite, or greenstone) from the Penzance area, Cornwall.
- The second stone object is a flat piece of laminar stone, probably a local 4.1.5 schist, 35mm wide at the butt end, flaring to 60m wide. One side is flat (c. 20mm thick) and smooth, the other irregular and less apparently worked. The broad end is regularly convex. In form, the piece mimics a stone axe, although the raw material means that it cannot have functioned as such.



5 PALEO-ENVIRONMENTAL REMAINS

5.1 Introduction

Environmental samples taken

Bulk samples were taken from undated pit 1110 and posthole 1108 in 5.1.1 Trench 11 to evaluate the presence and preservation of palaeoenvironmental remains. The samples were processed for the recovery and assessment of charred plant remains and charcoals. This information can contribute to the archaeological significance of the sampled features and may assist in providing an indication of the date of these features.

5.2 **Charred Plant Remains**

- 5.2.1 Bulk samples were processed by standard flotation methods; the flot retained on a 0.5 mm mesh, residues fractionated into 5.6 mm, 2mm and 1mm fractions and dried. The coarse fractions (>5.6 mm) were sorted, weighed and discarded. Flots were scanned under a x10 - x40 stereobinocular microscope and the preservation and nature of the charred plant and wood charcoal remains recorded in Table 2 (Appendix 2). Preliminary identifications of dominant or important taxa are noted below, following the nomenclature of Stace (1997) for wild plants, and traditional nomenclature, as provided by Zohary and Hopf (2000, Tables 3, page 28 and 5, page 65), for cereals.
- The flots were generally large with around 15% rooty material, which may be 5.2.2 indicative of stratigraphic movement and the possibility of contamination by later intrusive elements. Charred material comprised varying degrees of preservation.
- 5.2.3 The small quantity of charred plant remains recovered from pit 1110 included a few grains of wheat (Triticum sp.). These grains were not well enough preserved to be identifiable as either hulled or free-threshing wheat and so provide no indication of the date of this feature.
- 5.2.4 However, the presence of cereals (even in small numbers) would suggest that this small assemblage may be indicative of settlement activity in the vicinity.

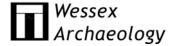
5.3 **Wood Charcoal**

5.3.1 Wood charcoal was noted from the flots of the bulk samples and is recorded in **Table 2**. A large quantity of wood charcoal fragments greater than 4 mm, including both round wood and mature wood pieces, was retrieved from pit 1110.

5.4 **Potential**

Charred plant remains

5.4.1 There is no potential for further analysis to provide any information on the nature of the site and agricultural processes due to the paucity of remains recovered.



Wood charcoal

5.4.2 Wood charcoal analysis has the potential to provide information on species composition and the management and exploitation of the local woodland resource. This would be limited as the feature is undated however as roundwood was present in the samples which would be suitable for radiocarbon dating if required.

5.5 Proposals

Charred plant remains

5.5.1 No further work is proposed on these samples.

Wood charcoal

5.5.2 No further work is proposed at this stage on these samples. Should further mitigation work be required by Devon County Council following the results of this evaluation these samples would be suitable for radiocarbon dating and if dated further analysis of the wood charcoal may be appropriate.

Recommendations for Sampling- Charred plant remains and wood charcoal

5.5.3 Samples should be taken where permitting from phased features, especially any arising and related to settlement activities and/or structures. Features that are specifically related to burning activities, such as cremations, should also be sampled. Generally samples should be taken covering as wider range of feature types, and phases as possible. Where available deposits permit, sample size should be of 30 to 40 litres and from individual, secure contexts. However if contexts are encountered that consist predominately of carbonised wood charcoal, in these cases smaller samples of 10 litres would appear suitable.

6 CONCLUSIONS

- 6.1.1 This investigation successfully located the remains of the known Roman road which was found to survive in relatively good condition with much of the stone metalling still *in situ*. Two wheel ruts were apparent within its surface and a ditch was located on the southern edge. The wheel ruts are contemporary with the use of the road though this usage may extend beyond the Romano-British period. The full width of the road was not seen, as the northern edge was truncated and disturbed by the double hedgerow and ditch of the present parish boundary, but was recorded as over 7m wide. Another ditch lay just to the south of the road on the same alignment.
- 6.1.2 A small area of activity was recorded in **Trench 11** consisting of five postholes, a pit and a ditch. Despite the presence of a sherd of prehistoric pottery in the topsoil these features remain undated and their exact purpose unclear though they may indicate domestic activity.
- 6.1.3 The majority of the features encountered during the evaluation were relatively shallow, small ditches and are likely to be related to cultivation. A number of these ditches could be identified on late 19th and early 20th century maps but others may be of greater antiquity. However little dating evidence was found in relation to these features; the few small pieces of struck flint recovered during this investigation may be indicative of some general prehistoric activity rather than directly dating the features they were



located in. A stone axe, found in a field where circular cropmarks have been identified, also indicates some prehistoric activity on the Site.

6.1.4 There was generally good correlation with features identified by the previous geophysical survey (WA 2012), though it did seem to indicate that a number of the identified anomalies are associated with agricultural activity and nearsurface geology.

7 **ARCHIVE**

- 7.1.1 The project archive was prepared in accordance with the guidelines outlined in Appendix 3 of Management of Archaeological Projects (English Heritage 1991) and in accordance with the Guidelines for the preparation of excavation archives for long term storage (Walker 1990). The project archive is currently held at the offices of Wessex Archaeology under the project code 86781.
- 7.1.2 Currently there are no stores in Devon able to accept archives for deposition therefore the ultimate repository will be decided in due course by Devon County Council and the LPA with reference to the consultant. An archive reference number RAMM:12/94 has been obtained from the Royal Albert Memorial Museum and Art Gallery, Exeter which will be referenced throughout the project archive.
- 7.1.3 An OASIS online record (http://ads.ahds.ac.uk/projects/oasis/) will be initiated and key fields completed on Details, Location and Creators Forms. All appropriate parts of the OASIS online form will be completed for submission to the AHBR. This will include an uploaded .pdf version of the entire report (a paper copy will also be included with the archive).

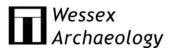
7.2 Copyright

7.2.1 This report may contain material that is non-Wessex Archaeology copyright (e.g. Ordnance Survey, British Geological Survey, Crown Copyright), or the intellectual property of third parties, which we are able to provide for limited reproduction under the terms of our own copyright licences, but for which copyright itself is non-transferrable by Wessex Archaeology. You are reminded that you remain bound by the conditions of the Copyright, Designs and Patents Act 1988 with regard to multiple copying and electronic dissemination of the report.



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APPENDIX 1: TRENCH SUMMARIES

bgl = below ground level

TRENCH	1				Type:	Machin	e excavated	
Dimensio	ns: 26.3x1.9m		Max. depth: 0.56m		Ground level: 1	40.46-14	1.53m aOD	
Easting: 2	267875			Northing:	: 101077			
Context	Context Description							
101	Topsoil	angular, [']	lodern ploughsoil. Dark red-brown sandy clay. 2% stone, sub- ngular, <1-5cm. Fairly compact. Homogeneous. Bioturbated.					
102	Subsoil		subsoil. Dark red-brow Fairly compact. Ho 103.	•	•	•	0.23-0.42 bgl	
103	Natural	_	eology. Mid brown-red e, angular, <1-4cm. C	•	, · ·	dstone).	0.42+ bgl	
104	Ditch		est - north-east align e sides, concave bas			traight,	0.32 deep	
105	Secondary fill		tch 104. Dark brown <1-3cm. Homogeneou		,		0.32 deep	

TRENCH	2					Type:	Machine excavated		
Dimension	ns: 26.5x1.9m	1	Max. depth: 0.60m		Ground	level:	139.53-140.17m		
						aOD			
Easting: 2	267902				Northing: 101	070			
Context	Description								Depth (m)
201	Topsoil	angula	, , , , , , , , , , , , , , , , , , ,					0.00-0.25 bgl	
202	Subsoil	Moder <1-4cr	Modern subsoil. Dark red-brown sandy clay. 5% stone, angular,				0.25-0.35+ bgl		
203	Natural		0 0,		n-red sandy clay n. Compact. Ho	` •		ne).	0.35+ bgl

TRENCH	3		Type:	Machine e	xcavated				
Dimensio	ons: 25.7x1.9m	Max. depth: 0.35m	Ground le	vel: 138.0-1	38.77m aOD				
Easting: 2	268047	Northing: 101	171						
Context	Description				Depth (m)				
301	Topsoil		odern ploughsoil. Dark red-brown sandy clay. 2% stone, sub- 0.00-0 gular, <1-3cm. Fairly compact. Homogeneous. Bioturbated. bgl verlies 302.						
302	Subsoil	Modern subsoil. Dark red-brown sandy cla <1-5cm. Fairly compact. Homogeneous Overlies 307.	•		0.32-0.41 bgl				
303	Ditch	South-west - north-east aligned ditch fill moderate sides, concave base. 0.52m wi		•	0.46 deep				
304	Secondary fill	Fill of ditch 303. Mid brown-red sandy clay. 3cm. Homogeneous. Fairly compact. Overli		ngular, <1-	0.46 deep				
305	Feature	Possible plough headland. South-west filled with 306. Moderate, convex sides, Cuts 307.	- north-ea		0.16 deep				
306	Secondary fill	Fill of 305. Pale red-orange sandy clay. 1% Homogenous. Fairly compact. Overlies 305		ular, <1cm.	0.16 deep				
307	Natural	Natural geology. Mid brown-red sandy clay 2% stone, angular, <1-2cm. Compact. Hom		mudstone).	0.41+ bgl				



TRENCH	4			Type:	Machine e	xcavated			
Dimension	ons: 25.20x1.9	m	Ground level: 131.74-133.19m aOD						
Easting:	Easting: 268187 Northing: 101045								
Context	Description								
401	Topsoil	angula	n ploughsoil. Dark re ir, <1-4cm. Fairly c es 402.				0.00-0.37 bgl		
402	Natural		ıl geology. Mid brown tone, angular, <1-4cm			mudstone).	0.37+ bgl		

TRENCH	5		Type:	Machine excavated					
Dimensio	ns: 23.0x1.9m)	Max. de	oth: 0.55r	n	Ground	level:	137	7.58-139.75m
						aOD			
Easting: 2	Easting: 268268 Northing: 100842								
Context	Description								Depth (m)
501	Topsoil	Moder	Modern topsoil. Mid red-brown sandy clay. 2% stone, sub-angular,						0.00-0.19
		<1-4cr	n. Fairly	compact.	Homogeneous.	Bioturbate	d. Over	lies	bgl
		502. L	nder grass	S.					
502	Subsoil				-brown sandy cl				0.19-0.43
		<1-5cr	n. Fairly	compact	. Homogeneous	s. Some b	ioturbati	on.	bgl
		Overlies 503.							
503	Natural Natural geology. Mid red-yellow sandy clay. 2% stone, angula						lar,	0.43+ bgl	
		<1-4cr	n. Compa	ct. Homog	eneous.				

TRENCH	6				Type:	Type: Machine excavated			
Dimensio	ons: 26.8x1.9m)	Max. depth: 0.43m		Ground aOD	level:	143.06	5-143.42m	
Easting: 268439 Northing: 100711									
Context	Description		De	epth (m)					
601	Topsoil	angula	Modern ploughsoil. Dark red-brown sandy clay. 10% stone, sub- angular, <1-5cm. Fairly compact. Homogeneous. Bioturbated. Overlies 602.						
602	Natural		Natural geology. Mid grey-yellow sandy clay. 5% stone, angula <1-4cm. Compact. Homogeneous.					33+ bgl	

TRENCH	7				Type:	Machine	excavated
Dimensio	ons: 25.5x2.6m		Max. depth: 0.33m Ground level: 137		37.39-138.79m		
Easting:	268533			Northing: 1005	500		
Context	Description						Depth (m)
701	Topsoil	angula	Modern topsoil. Mid grey-brown silty clay loam. 2% stone, sub- angular, <1-4cm. Fairly compact. Homogeneous. Bioturbated. Under grass. Overlies 702.				
702	Natural	mottlin	Natural geology. Mid yellow clay with diffuse pale yellow-grey mottling. Occasional manganese flecks. Compact. Some bioturbation.				
703	Ditch		west -south-east a				, 0.28 deep
704	Secondary fill	3cm.	ditch 703. Mid grey Sparse mottles of es 703.				



TRENCH	8				Type:	Machi	ine exc	avated	
Dimension	ons: 24.20x1.9	m	Max. depth: 0.29m		Ground	level:	141.0	0-142.06m	
					aOD				
Easting:	Easting: 268552 Northing: 100379								
Context	Context Description							Depth (m)	
801	Topsoil	Modern topsoil. Mid grey-brown silty clay. 2% stone, sub-angular, <1-4cm. Fairly compact. Homogeneous. Bioturbated. Under grass. Overlies 802.					0.00-0.16 bgl		
802	Layer	numbe	Pale blue-grey silty clay. Discontinuous layer, deposited into a number of ephemeral dips and hollows. Thought to represent natural eatures or disturbance.					0.16-0.24 bgl	
803	Natural Natural geology. Mid yellow clay with diffuse pale yellow-grey mottling. Occasional manganese flecks. Compact. Some bioturbation.						0.24+ bgl		

TRENCH	9		Type:	Machine excavat	~				
Dimension	ons: 25.5x1.9m	Max. depth: 0.45m	Ground level: 143	3.41-144.	23m aOD				
Easting:	268629	No	orthing: 100261						
Context	Description								
901	Topsoil		odern topsoil. Mid grey-brown silty clay. 1% stone, sub-angular, -4cm. Fairly compact. Homogeneous. Bioturbated. Under grass. verlies 902.						
902	Subsoil	Modern subsoil. Pale yellow-brow angular, <1-3cm. Fairly homogeneou Overlies 903.			0.15-0.30 bgl				
903	Natural	Natural geology. Mid yellow clay mottling. Occasional manganes bioturbation.	with diffuse pale yello e flecks. Compact.	ow-grey Some	0.30+ bgl				
904	Natural	Tree-throw filled with 905. Sub-ov	val. Moderate, concave	sides,	0.30				
	Feature	concave base. 1.5 diameter. Cuts	903.		deep				
905	Secondary fill	Fill of tree-throw 904. Mid brown stone, angular, <1-5cm. Mixed depos		lay. 5%	0.30 deep				

TRENCH	10			Type:	Machine exc	avated	
Dimensio	ons: 25.6x1.9m	1	Max. depth: 0.34	·m	Ground leve	I: 144.69-146.	01m aOD
Easting: 2	Easting: 268563 Northing: 100229						
Context	Description						Depth (m)
1001	Topsoil	<1-4cr	n topsoil. Mid grey n. Fairly compact. es 1002.				0.00-0.30 bgl
1002	Natural	Natura mottlin bioturb	•	ellow clay with manganese fl			0.30+ bgl

TRENCH	11			Type: Machine excavated			
Dimensions: 25.0x1.9m N			Max. depth: 0.23	3m	Ground level: 150.08-150.49m aOE		
Easting: 268407 Northing: 100273							
Context	Description						Depth (m)
1101	Topsoil	<1-2cr	n topsoil. Mid gre n. Fairly compact. es 1102.				0.00-0.19 bgl



1102	Natural	Natural geology. Mid yellow clay with diffuse pale yellow-grey mottling. Occasional manganese flecks. Compact. Some bioturbation.	0.19+ bgl
1103	Ditch	North-north-west - south-south-east aligned ditch, possibly curvilinear. Filled with 1104, 1105 and 1118. Straight, moderate sides, concave base. 0.82m wide. Cuts 1102.	0.22 deep
1104	Secondary fill	Fill of ditch 1103. Mid yellow-grey silty clay. 2% stone, angular, <1-3cm. Slightly mixed. Some bioturbation. Overlies 1105.	0.08 deep
1105	Primary fill	Fill of ditch 1103. Dark brown-grey silty clay. 5% stone, angular, <1-3cm. Occasional manganese flecks. Slightly mixed. Overlies 1103.	0.05 deep
1106	Posthole	Sub-circular posthole filled with 1107. Straight, vertical sides, concave base. 0.24m diameter. Cuts 1102.	0.11 deep
1107	Secondary fill	Fill of 1106. Pale grey silty clay. 2% stone, angular, <1cm, 8cm+. Evidence of stone post-packing. Slightly mixed, occasional mid orange flecks. Fairly compact. Overlies 1106.	0.11 deep
1108	Posthole	Sub-circular posthole filled with 1109. Straight, vertical sides, concave base. 0.25m diameter. Cuts 1102.	0.12 deep
1109	Secondary fill	Fill of 1106, possible deliberate backfill. Dark grey-brown silty clay. 2% stone, angular, <1cm. Frequent charcoal flecks. Fairly homogeneous. Fairly compact. Overlies 1108. Environmental sample 2.	0.12 deep
1110	Pit	Possible hearth though no traces of intense in-situ burning. Circular, filled with 1111, 1119 and 1120. Convex, undercut sides, flat base.0.54m diameter. Cuts 1102.	0.17 deep
1111	Secondary fill	Possible deliberate backfill. Fill of 1110. Mid red-brown silty clay. Occasional charcoal flecks. Fairly homogenous. Fairly compact. Overlies 1120. Environmental sample 1.	0.02 deep
1112	Posthole	Sub-circular posthole filled with 1113. Moderate, concave sides, concave base. 0.34m diameter. Cuts 1102.	0.18 deep
1113	Secondary fill	Fill of 1112. Pale brown-grey silty clay. 2% stone, angular, <1cm, 6cm+. Evidence of stone post-packing. Sparse charcoal flecks. Fairly compact. Overlies 1112.	0.18 deep
1114	Posthole	Sub-circular posthole filled with 1115. Straight, steep sides, flat	0.07
1115	Secondary fill	base. 0.34m diameter. Cuts 1102. Fill of 1114. Mid grey silty clay. 2% stone, angular, <1cm, 6cm+. Evidence of stone post-packing. Fairly compact. Overlies 1114.	0.07 deep
1116	Posthole	Sub-circular posthole filled with 1117. Straight, slightly convex sides, flat base. 0.36m diameter. Cuts 1102.	0.17 deep
1117	Secondary fill	Fill of 1116. Dark grey silty clay. 2% stone, angular, <1cm, 8cm+. Evidence of stone post-packing. Slightly mixed, occasional mid orange flecks. Fairly compact. Overlies 1116.	0.17 deep
1118	Secondary fill	Fill of ditch 1103. Pale yellow-grey sandy clay loam. 2% stone, angular, <1-3cm. Slightly mixed. Some bioturbation. Overlies 1104.	0.09 deep
1119	Secondary fill	Fill of 1110, possible deliberate backfill. Mid red-brown sandy clay loam. 2% stone, angular, <1cm. Occasional charcoal flecks. Fairly homogeneous. Fairly compact. Overlies 1110.	0.17 deep
1120	Fill	Fill of 1110, possible deliberate backfill. Pale sandy clay loam. 1% stone, angular, <1cm. Homogeneous. Fairly compact. Overlies 1119.	0.06 deep

TRENCH	12			Type:	Machine exc	avated	
Dimension	Dimensions: 25.8x1.9m Max. depth: 0.28m				Ground leve	I: 153.55-154.	21m aOD
Easting: 268278 Northing: 100285							
Context	Description						
							(m)
1201	Topsoil	<1-4cr	n topsoil. Mid grey-b n. Fairly compact. H es 1202.				0.00-0.20 bgl



1202	Natural	Natural	geology.	Mid	yellow	clay	with	diffuse	pale	yello	w-grey	0.20+ bgl
		mottling.	Occas	ional	mang	anese	e fle	ecks.	Compa	act.	Some	
		bioturba	tion.									

TRENCH	13			Type:	Machine exc	avated		
Dimensio	ons: 25.5x1.9m	1	Max. depth: 0.34m	Ground leve	I: 149.41-151.	33m aOD		
Easting: 2	268260		Northing: 1	00208				
Context	Description					Depth (m)		
1301	Topsoil	<1-3cr	Modern topsoil. Mid grey-brown silty clay. 1% stone, sub-angular, in 1-3cm. Fairly compact. Homogeneous. Bioturbated. Under grass. Diverlies 1202.					
1302	Natural	mottlin	latural geology. Mid yellow clay with diffuse pale yellow-grey nottling. Occasional manganese flecks. Compact. Some ioturbation.					
1303	Ditch		east - south-west aligned ditch		04. Shallow,	0.14		
		conca	ve sides, flat base. 0.66m wide.	Cuts 1302.		deep		
1304	Secondary	Fill of	ditch 1303. Dark brown silty clay. I	No visible inclus	sions, slightly	0.14		
	fill	humic.	Homogeneous. Fairly compact. C	Overlies 1303.		deep		
1305	Ditch	North-	east - south-west aligned ditch	, filled with 13	06. Shallow,	0.22		
		conca	ve sides, flat base. 0.56m wide.	Cuts 1302.	·	deep		
1306	Secondary	Fill of	ditch 1305. Dark brown silty clay.	No visible inclus	ions, slightly	0.22		
	fill	humic.	Homogeneous. Fairly compact. C	Overlies 1305.		deep		
1307	Natural	Irregul	ar feature, likely tree-throw. Filled	with 1308. Cuts	1302.	0.06		
	Feature		•			deep		
1308	Secondary	ondary Fill of 1307. Mid red-brown silty clay. <1% stone, sub-angular, <1cm.						
	fill		y mixed. Overlies 1307.		<u>.</u>	deep		

TRENCH	14		Type:	Machine exc	avated
Dimension	ons: 23.5x1.9m	Max. depth: 0.38m	Ground leve	l: 142.43-144.	88m aOD
Easting:	268265	Northing: 1	00131		
Context	Description				Depth (m)
1401	Topsoil	Modern topsoil. Mid grey-brown silty cl. <1-2cm. Fairly compact. Homogeneous Overlies	0.00-0.30 bgl		
1402	Natural	Natural geology. Mid yellow clay with diffuse pale yellow-grey mottling. Occasional manganese flecks. Compact. Some bioturbation.			
1403	Ditch	East - west aligned ditch, filled with sides, flat base. 0.90m wide. Cuts 1402		w, concave	0.20 deep
1404	Secondary	Fill of ditch 1403. Mid grey silty clay.		gular. <1cm.	0.20
	fill	Occasional manganese flecks. Homo Overlies 1403.		•	deep
1405	Ditch	North-east - south-west aligned ditch,	, filled with 14	06. Shallow,	0.25
		concave sides, flat base. 0.70m wide.	Cuts 1402.	·	deep
1406	Secondary fill	Fill of ditch 1405. Dark brown silty clay Slightly humic. Homogeneous. Fairly con			0.25 deep

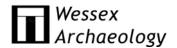
TRENCH	15		Type:	Machine exc	avated			
Dimensions: 25.8x1.9m			Max. depth:	0.35m	Ground leve	Ground level: 133.94-134.67m aOD		
Easting: 2	Easting: 269017 Northing: 100314							
Context	Description	•						
							(m)	
1501	Topsoil			grey-brown silty of			0.00-0.27	
		<1-4cr	n. Fairly com	pact. Homogeneou	s. Bioturbated.	Under grass.	bgl	
		Overlie	es 1502.					



1502	Natural	Natural geology. Mid yellow clay with diffuse pale yellow-grey mottling. Occasional manganese flecks. Compact. Some bioturbation.	0.27+ bgl
1503	Ditch	North-north-east - south-south-west aligned ditch, filled with 1504. Shallow, straight sides, irregular base. 1.34m wide. Cuts 1502.	0.20 deep
1504	Secondary fill	Fill of ditch 1503. Dark grey-brown silty clay. 1% stone, angular, <1-3cm. Homogeneous. Fairly compact. Overlies 1503.	0.20 deep
1505	Feature	North-north-east - south-south-west aligned feature, filled with 1506, only partially seen in plan - either ditch terminus or suboval feature. Shallow, straight sides, flat base. 1.4m wide. Cuts 1502.	0.20 deep
1506	Secondary fill	Fill of feature 1505. Dark grey-brown silty clay. 1% stone, angular, <1-3cm. Homogeneous. Fairly compact. Overlies 1505.	0.20 deep

TRENCH	16				Type:	Machine exc	avated		
Dimensio	ons: 24.6x1.9n	1	Max. depth: 0.65n	n	Ground leve	I: 132.16-132.	66m aOD		
Easting: 2	Easting: 269081 Northing: 100296								
Context	Description	Description							
							(m)		
1601	Topsoil	Moder	Modern topsoil. Mid grey-brown silty clay. 1% stone, sub-angular,						
		<1-4cr	n. Fairly compact. I	lomogeneous.	. Bioturbated. I	Under grass.	bgl		
		Overlie	Overlies 1602.						
1602	Natural	Natura	Natural geology. Mid yellow clay with diffuse pale yellow-grey						
		mottlin	g. Occasional r	nanganese	flecks. Comp	act. Some			
		bioturb	ation.						
1603	Natural	Large	wide feature, nort	h-east - sout	th-west aligne	d. Probable	0.30		
	Feature	pond	or boggy area. S	hallow, irreg	jular sides, v	ery slightly	deep		
		conca	ve base. 6.8m wide	. Cuts 1602.					
1604	Secondary	Fill of	1603. Mid brown silt	y clay. Humic	within upper pa	rt of deposit,	0.30		
	fill	gleyed blue-grey at base. Homogeneous. Compact. Some c							
		bioturb	ation. Overlies 1603						

TRENCH	17		Type:	Machine exc	avated		
Dimension	ons: 25.7x1.9m	Max. depth: 0.36m	Ground leve	I: 127.44-128.	13m aOD		
Easting:	268998	Northing: 1	00184				
Context	Description				Depth (m)		
1701	Topsoil	Modern topsoil. Mid grey-brown silty cl. <1-4cm. Fairly compact. Homogeneous Overlies 1702.			0.00-0.30 bgl		
1702	Natural	tural Natural geology. Mid yellow clay with diffuse pale yellow-grey mottling. Occasional manganese flecks. Compact. Some bioturbation.					
1703	Ditch	North-south aligned ditch, filled with sides, flat base. 0.73m wide. Cuts 1700		w, concave	0.10 deep		
1704	Secondary fill	Fill of ditch 1703. Pale grey silty clay <1cm. Sparse manganese flecks. Facompact. Overlies 1703.		•	0.10 deep		
1705	Ditch	North-south aligned ditch, filled with sides, flat base. 0.55m wide. Cuts 1702		w, irregular	0.10 deep		
1706	Secondary fill	Fill of ditch 1705. Pale grey silty clay <1cm. Sparse manganese flecks. Facompact. Overlies 1705.		•	0.10 deep		



TRENCH 18 Machine excavated Type: Dimensions: 24.50x1.9m Max. depth: 0.36m Ground level: 124.70-125.18m aOD **Easting: 268998** Northing: 100114 Context Description Depth (m) 1801 Modern topsoil. Mid grey-brown silty clay. 1% stone, sub-angular, 0.00-0.30 Topsoil <1-3cm. Fairly compact. Homogeneous. Bioturbated. Under grass. bgl Overlies 1802. 1802 Natural geology. Mid yellow clay with diffuse pale yellow-grey Natural 0.30+ bgl mottling. Occasional manganese flecks. Compact. bioturbation. 1803 Sub-oval feature filled with 1804. Straight. Steep sides, flat Natural 0.12 Feature base. 0.3m diameter. Cuts 1802. deep 1804 Secondary Fill of 1803. Mid yellow-grey clay. Frequent manganese flecks. 0.12 Compact. Overlies 1803. deep fill 1805 Mid brown silty clay. 5% degraded red stone. Compact. Fairly 0.13 Layer homogeneous. Either area of bioturbation or response to a localised deep change in the natural.

TRENCH	19			Type:	Machine exc	avated		
Dimensio	ons: 24.4x1.9m	1	Max. depth: 0.50m	Ground leve	I: 129.48-131.	36m aOD		
Easting:	Easting: 269082 Northing: 100001							
Context	Description	Description						
1901	Topsoil	<1-4cr	Modern topsoil. Mid grey-brown silty clay. 2% stone, sub-angular, <1-4cm. Fairly compact. Homogeneous. Bioturbated. Under grass. Overlies 1902.					
1902	Natural	Natural geology. Mid yellow clay with diffuse pale yellow-grey mottling. Occasional manganese flecks. Compact. Some bioturbation.						
1903	Ditch	1904.	north-west - south-south-east Not fully excavated. Moderat Contained modern roots. Cuts 1	te, concave s		0.30+ deep		
1904	Secondary fill		ditch 1093. Dark grey-brown silty compact. Bioturbated. Overlies 19		ightly gleyed.	0.30+ deep		

TRENCH	20		Type:	Machine exc	avated
Dimensio	ons: 25.5x1.9m	n Max. depth: 0.40m	Ground leve	I: 123.53-123.	78m aOD
Easting:	269542	Northing: 10	00405		
Context	Description				Depth
					(m)
2001	Topsoil	Modern topsoil. Dark brown silty clay. 1	l% stone, sub-	-angular, <1-	0.00-0.20
		4cm. Fairly compact. Homogeneous.	Bioturbated. L	Jnder grass.	bgl
		Overlies 2002.			
2002	Subsoil	Modern subsoil. Dark grey-brown silty cl	ay. 1% stone,	sub-angular,	0.20-0.28
		<1-2cm. Fairly compact. Homogeneous.	Bioturbated.	Under grass.	bgl
		Overlies 2003.			
2003	Natural	Natural geology. Mid yellow clay with	n diffuse pale	yellow-grey	0.28+ bgl
		mottling. Occasional manganese f	flecks. Comp	act. Some	
		bioturbation.			
2004	Ditch	South-west - north-east aligned ditch	filled with 20	05. shallow,	0.25
		concave sides, concave base. 0.76m w	vide. Cuts 200	3.	deep
2005	Secondary	Fill of ditch 2004. Mid grey-brown silty of			0.25
	fill	angular, <1cm. Fairly homogeneous. Mo	derately comp	act. Overlies	deep
		2004.			
2006	Ditch	South-west - north-east aligned ditch	filled with 20	07. Shallow,	0.26



		concave sides, concave base. 0.95m wide. Cuts 2003.	deep
2007	Secondary	Fill of ditch 2006. Mid grey-brown silty clay loam. <1% stone, sub-	0.26
	fill	angular, <1cm. Fairly homogeneous. Moderately compact. Overlies 2006.	deep

TRENCH	21		Type:	Machine exc	avated		
Dimensio	Dimensions: 25.7x1.9m Max. depth: 0.28				Ground le	vel: 132.94-13	3.0m aOD
Easting: 2	268563			Northing: 9994	46		
Context	Description						Depth
							(m)
2101	Topsoil		n topsoil. Mid grey				0.00-0.26
		<1-4cr	n. Fairly compact.	Homogeneous. B	ioturbated.	Under grass.	bgl
		Overlie	es 2102.				
2102	Natural	Natura	al geology. Mid ye	ellow clay with o	diffuse pale	yellow-grey	0.26+ bgl
		mottlin	g. Occasional	manganese fled	cks. Comp	oact. Some	
		bioturb	oation.				

TRENCH	22		Type:	Machine exc	avated		
Dimensions: 25.4x1.9m Max. depth: 0.34m					Ground leve	l: 154.81-156.	30m aOD
Easting:	268546			Northing: 99	676		
Context	Description						Depth (m)
2201	Topsoil						0.00-0.32 bgl
2202	Natural		ıl geology. Mid yel ıg. Occasional m pation.				0.30+ bgl

TRENCH	23				Type:	Machine exc	avated
Dimensions: 24.7x1.9m Max. depth: 0.29n				n	Ground leve	I: 153.56-154.	66m aOD
Easting: 2	268665			Northing: 99	690		
Context	Description						Depth
							(m)
2301	Topsoil		n topsoil. Mid grey-				0.00-0.25
		<1-2cr	m. Fairly compact. I	Homogeneous.	Bioturbated. \	Jnder grass.	bgl
		Overli	es 2302.				
2302	Natural	Natura	al geology. Mid ye	llow clay with	diffuse pale	yellow-grey	0.24+ bgl
		mottlin	ng. Occasional r	nanganese fl	ecks. Comp	act. Some	
		bioturk	oation.		-		

TRENCH	24				Type:	Machine exc	avated
Dimension	ons: 23.0x1.9n	n	Max. depth: 0.40m		Ground leve	I: 148.59-149.	49m aOD
Easting:	Easting: 268700 Northing: 99750						
Context	Description						Depth (m)
2401	Topsoil	Modern topsoil. Mid grey-brown silty clay. 1% stone, sub-angular, <1-4cm. Fairly compact. Homogeneous. Bioturbated. Under grass. Overlies 2402.					
2402	Natural		nl geology. Mid yellow cla g. Occasional mangan pation.	,	•	, ,	0.27+ bgl
2403	Ditch		north-east - south-south Shallow, concave sides, o		•	,	0.25 deep
2404	Secondary fill		ditch 2403. Mixed mid yello Some bioturbation. Fairly co		,		0.25 deep



2405	Ditch	North-north-east - south-south-west aligned ditch, filled with 2406. Shallow, concave sides, concave base. 1.76m wide. Cuts 2402.	
2406	Secondary	Fill of ditch 2405. Mixed mid yellow-grey clay. <1% stone, angular,	0.40
	fill	<1cm. Some bioturbation. Fairly compact. Overlies 2405.	deep

AREA 25		Type: Machine exc	ravated				
	ons: 29.75x7.0						
Easting:		Northing: 99720	.07111 aOD				
Context	Description	Northing. 99720	Depth				
Context	Description		(m)				
2501	Topsoil	Modern topsoil. Mid grey-brown silty clay. 1% stone, sub-angular,	0.00-0.24				
2301	Τορδοίι	<1-4cm. Fairly compact. Homogeneous. Bioturbated. Under grass.	bgl				
		Overlies 2502.	bgi				
2502	Natural	Natural geology. Mid yellow clay with diffuse pale yellow-grey	0.24+ bgl				
2002	, vatarar	mottling. Occasional manganese flecks. Compact. Some	0.2+ · bgi				
		bioturbation.					
2503	Wheel-rut	West-north-west - east-south-east aligned wheel rut filled with	0.13				
		2504 and 2505. Concave, moderate sides, concave base. 0.4m	deep				
		wide. Cuts 2510.					
2504	Secondary	Compacted material at base of rut 2503. Dark grey-brown silty clay.	0.13				
	fill	25% stone, angular, <1-8cm. Compact. Fairly homogeneous.	deep				
		Overlies 2503.					
2505	Secondary	Fill of rut 2503. Dark grey-brown silty clay. <1% stone, angular,	0.09				
	fill	<1cm. Fairly homogeneous. Compact. Overlies 2504.	deep				
2506	Wheel-rut	West-north-west - east-south-east aligned wheel rut filled with	0.13				
		2507. Concave, moderate sides, concave base. 0.32m wide.	deep				
		Cuts 2510.					
2507	Secondary	Fill of rut 2506. Dark grey-brown silty clay. <1% stone, angular,	0.13				
	fill	<1cm. Fairly homogeneous. Compact. Overlies 2506.	deep 0.30				
2508	Ditch	West-north-west - east-south-east aligned ditch filled with 2509.					
		Concave, moderate sides, concave base. 0.9m wide. Cuts 2502	deep				
		though fill abuts 2510.					
2509	Secondary	Fill of ditch 2508. Mid to pale red sandy clay. 1% stone, angular, <1-	0.30				
	fill	2cm. Homogeneous. Compact. Overlies 2508.	deep				
2510	Deposit	Road make-up. 60% stone, angular, <1-12cm within mid grey-brown	0.10				
0544	D '4	silty clay matrix. Compact. Overlies 2510.	deep				
2511	Deposit	Base layer for road. Pale grey silty clay. <1% stone, angular, <1-	0.13				
2542	Road	2cm. Fairly homogeneous. Compact. Overlies 2512.	deep				
2512	Road	Cut for road west- north-west - east-south-east aligned.	0.25				
2513	Ditch	Shallow, straight sides, flat base. 7m+ wide. Cuts 2502. West-north-west - east-south-east aligned ditch filled with 2514.	deep 0.20				
2313	Ditcii	Straight, moderate sides, concave base. 0.75m wide. Cuts 2502.	deep				
2514	Secondary	Fill of ditch 2513. Dark grey-brown silty clay. 1% stone, angular, <1-	0.20				
2017	fill	2cm. Some paler mottling. Compact. Overlies 2513.	deep				
2515	Ditch	Modern field boundary ditch, still extant beyond this crossing	0.44				
2010	Biton	point. East - west aligned, filled with 2516. Straight, moderate	deep				
		sides, concave base. 1.6m wide. Cuts 2502.	асср				
2516	Secondary	Fill of ditch 2515. Dark grey-brown sily clay. Slightly humic, slightly	0.44				
	fill	gleyed. No visible inclusions. Some bioturbation. Fairly compact.	deep				
		Overlies 2515.					
2517	Layer	Southern hedgerow/bank deposit. Dark grey sandy clay. Fairly	0.14				
		homogeneous. Compact. Bioturbated. Overlies 2510.	deep				
2518	Layer	Southern hedgerow/bank deposit. Buried topsoil. Dark grey-brown	0.30				
	_	silty clay loam. <1% stone, angular, <1-2cm. Bioturbated. Fairly	deep				
		homogeneous. Fairly compact. Overlies 2517.	<u> </u>				
2519	Layer	Southern hedgerow/bank deposit. Re-deposited natural. Mid yellow	0.30				
		clay with diffuse pale grey mottling. Bioturbated. Slightly mixed.	deep				



		Fairly compact. Overlies 2518.	
2520	Layer	Northern hedgerow/bank deposit. Mid red-grey sandy silt loam. No	0.07
		visible inclusions. Homogeneous. Compact. Overlies 2502.	deep
2521	Layer	Northern hedgerow/bank deposit. Buried topsoil. Dark grey-brown	0.22
		silty clay loam. <1% stone, angular, <1-2cm. Bioturbated. Fairly	deep
		homogeneous. Fairly compact. Overlies 2520.	
2522	Layer	Northern hedgerow/bank deposit. Re-deposited natural. Mid yellow	0.80
		clay with diffuse pale grey mottling. Bioturbated. Slightly mixed.	deep
		Fairly compact. Overlies 2521.	
2523	Modern	East - west aligned linear thought to be modern, not fully	1.00+
	Feature	excavated. Straight, near vertical sides. 2.34m wide. Cuts 2502.	deep
2524	Deliberate	Fill of 2523. Mixed mid yellow clay. With mid grey-brown mottles/	1.00+
	backfill	patches. <1% stone, angular, <1cm. Fairly loose. Not fully	deep
		excavated.	

TRENCH	26				Type:	Machine exc	avated
Dimensions: 10.0x3.3m Max. depth: 0.45m Ground I						I: 150.24-150.	83m aOD
Easting: 2	268409			Northing: 10	0281		
Context	Description						Depth (m)
2601	Topsoil	Modern topsoil. Mid grey-brown silty clay. 1% stone, sub-angular, <1-4cm. Fairly compact. Homogeneous. Bioturbated. Under grass. Overlies 2602.					
2602	Layer						
2603	Natural		•	•	i diffuse pale lecks. Comp		0.30+ bgl



APPENDIX 2: FINDS AND PALEOENVIRONMENTAL TABLES

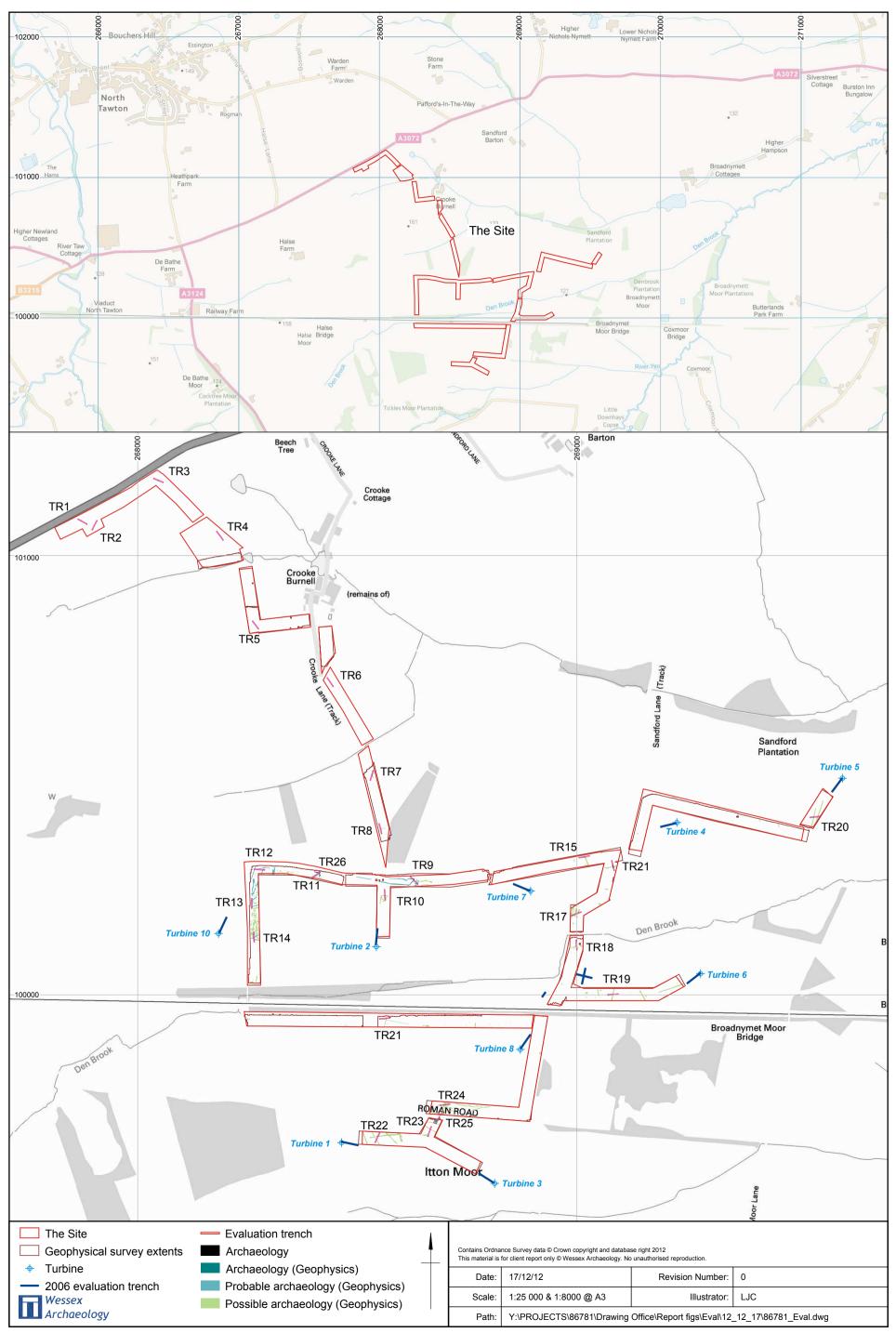
Table 1: All finds by context (number/weight in grammes)

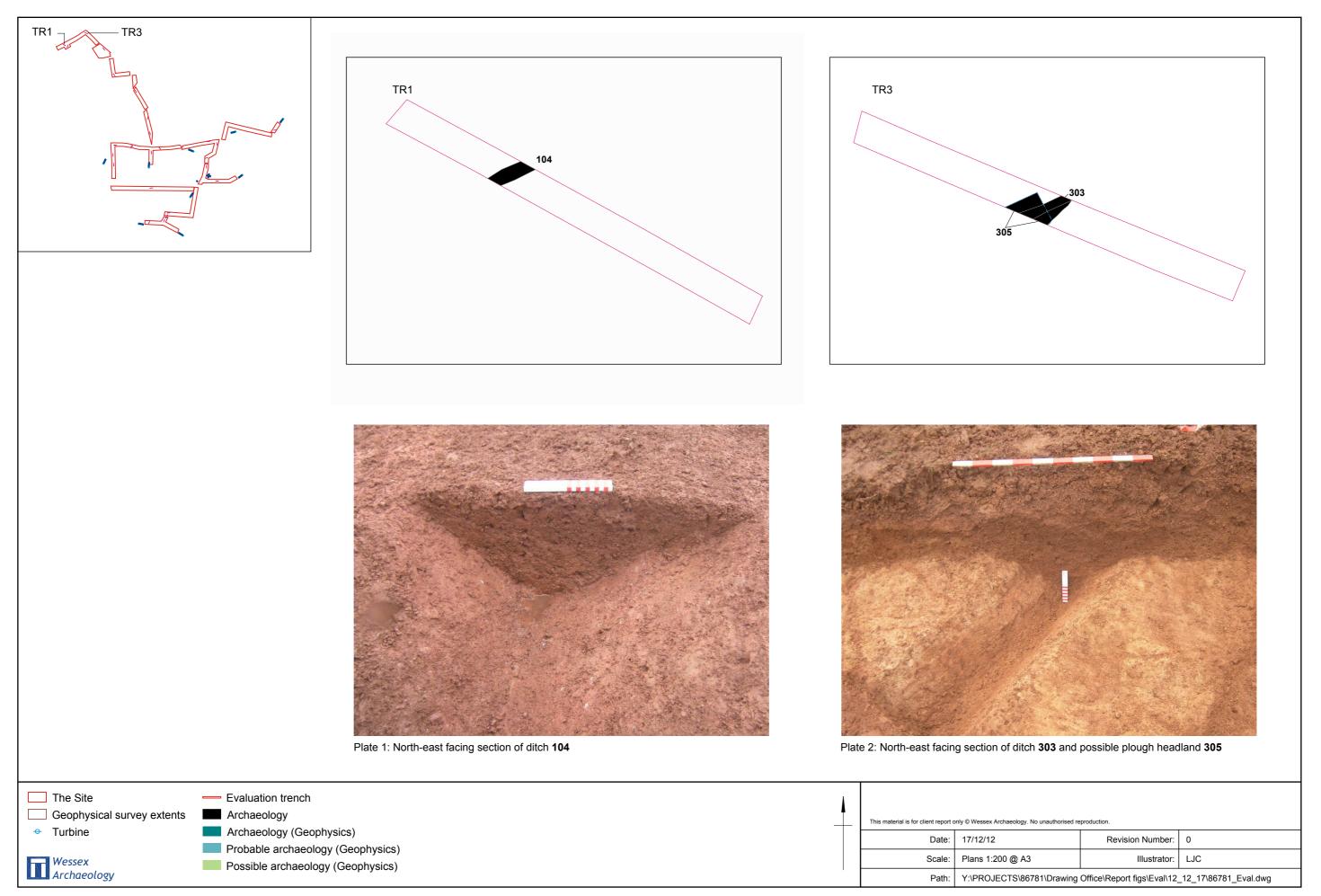
Context	Stone	Pottery	Flint
304			1/1
1101	1/292	1/8	1/11
1406			1/3
Unstrat	1/460		1/12
TOTAL	2/752	1/8	4/27

Table 2: Assessment of the charred plant remains and charcoal

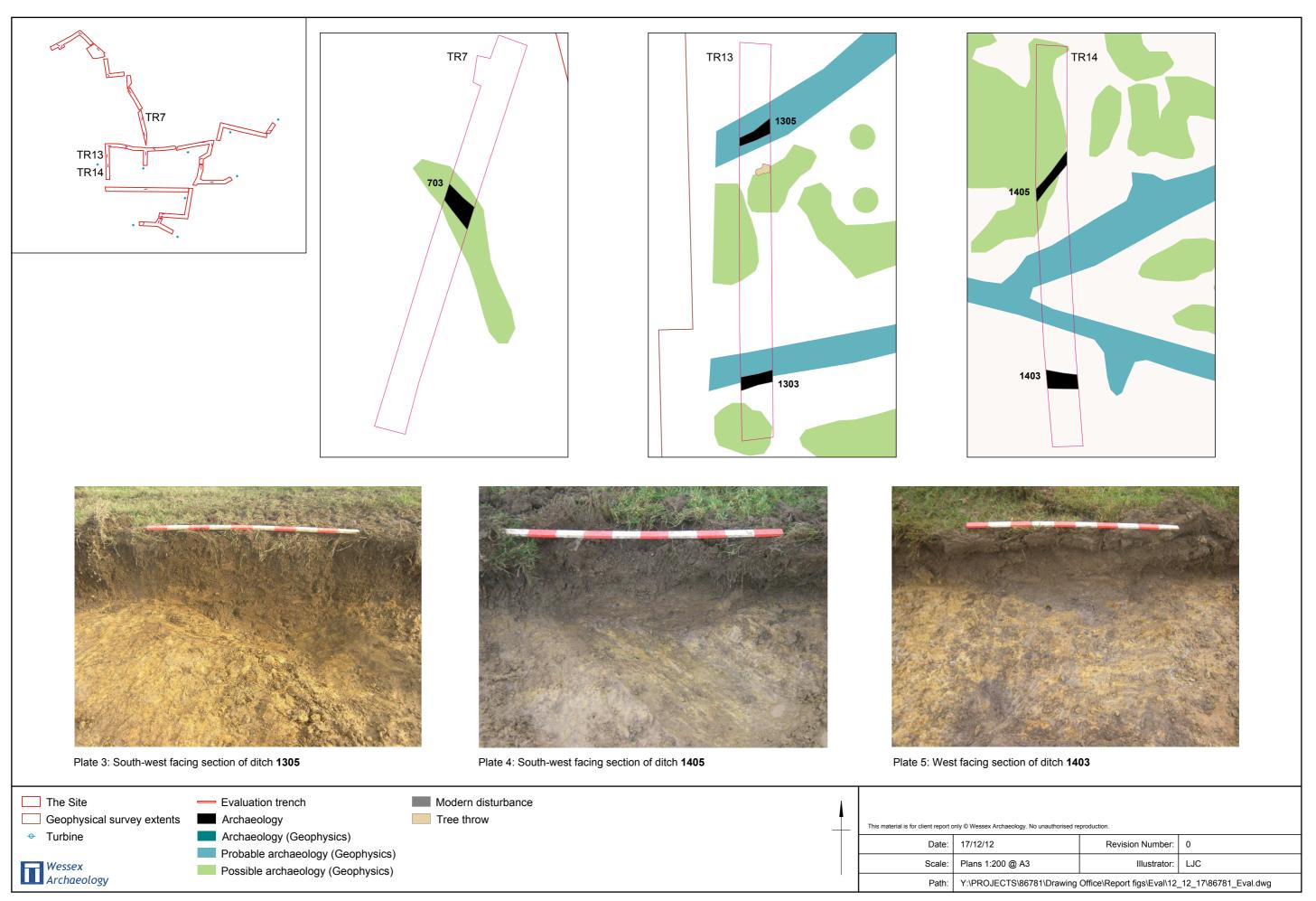
		Flot										
Feature Conte		Sam	Sam	Vol.	Flot	%		Cha	rred Pl	ant Remains	Charcoal	Other
reature	Context	ple	le Ltrs		roots	Grain	Chaff	Other	Comments	>4/2mm	Other	
	Trench 11											
Pit												
1110	1111	1	10	300	15	С	-	-	Wheat (?hulled) grain frags	80/70 ml	-	
Postho	Posthole											
1108	1109	2	2	40	15	-	-	-	-	7/3 ml	-	

Key: A*** = exceptional, A** = 100+, A* = 30-99, A = >10, B = 9-5, C = <5;

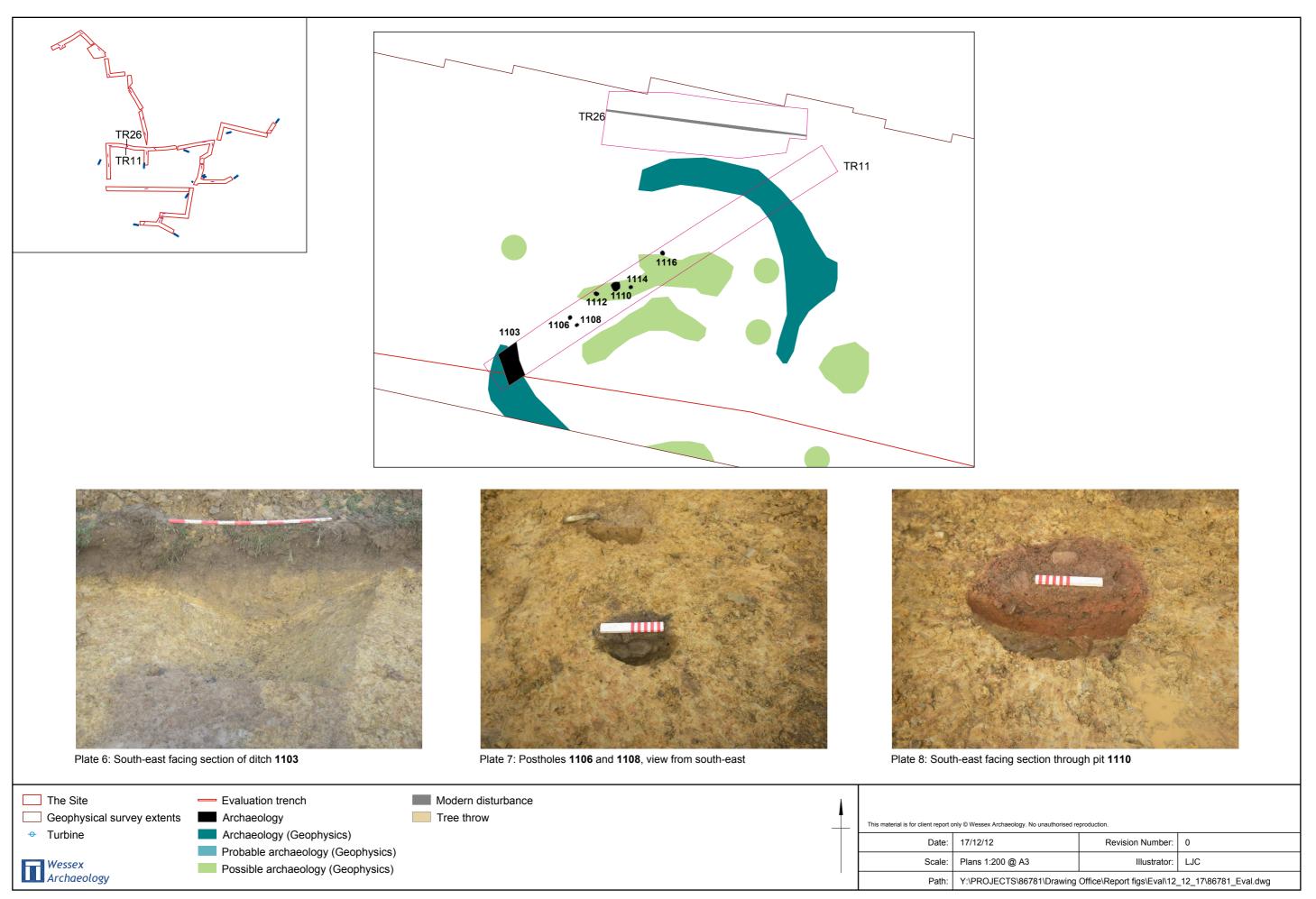




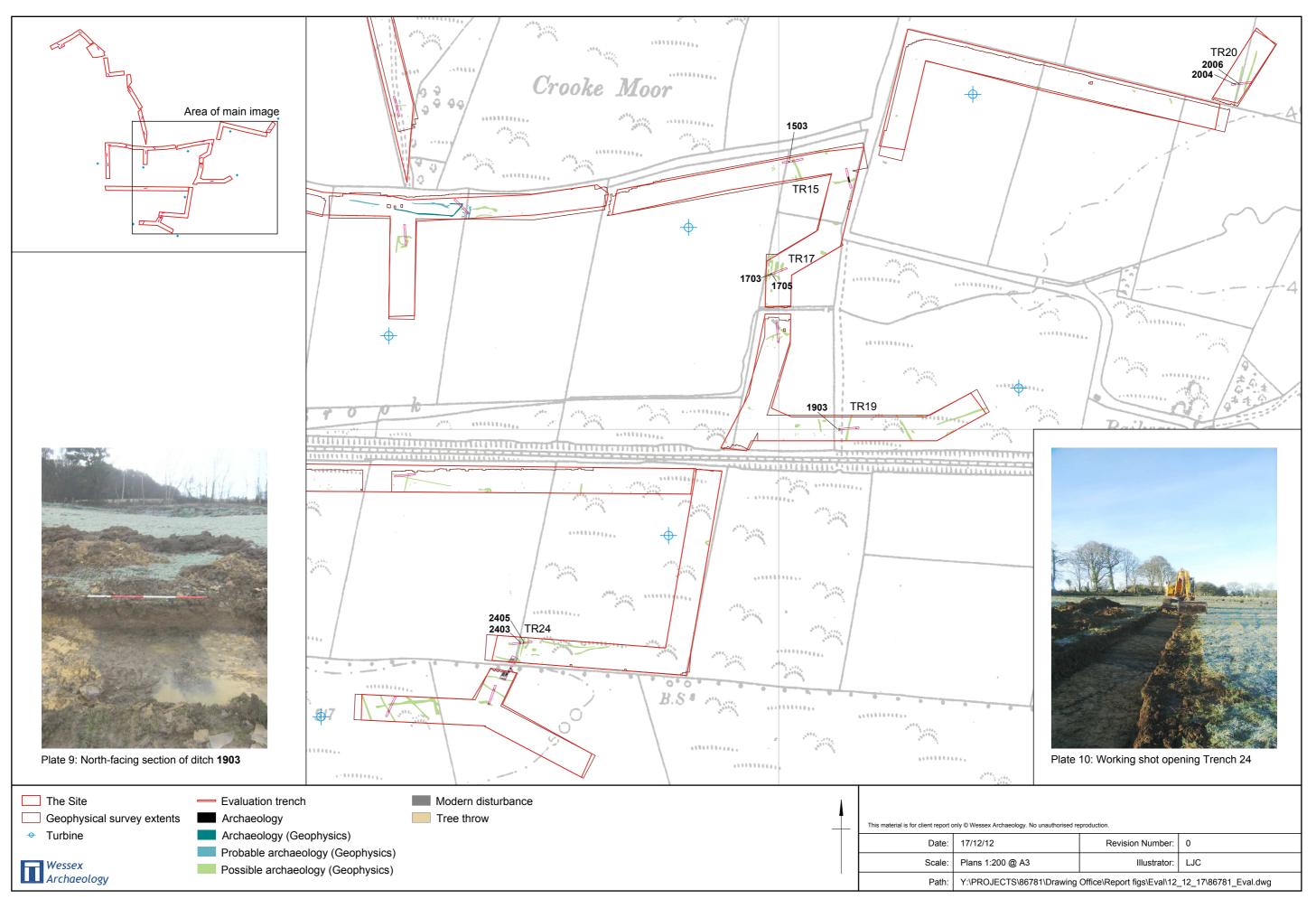
Trenches 1 and 3 Figure 2



Trenches 7, 13 and 14



Trenches 11 and 26 Figure 4



Location of trenches with reference to 1906 OS map

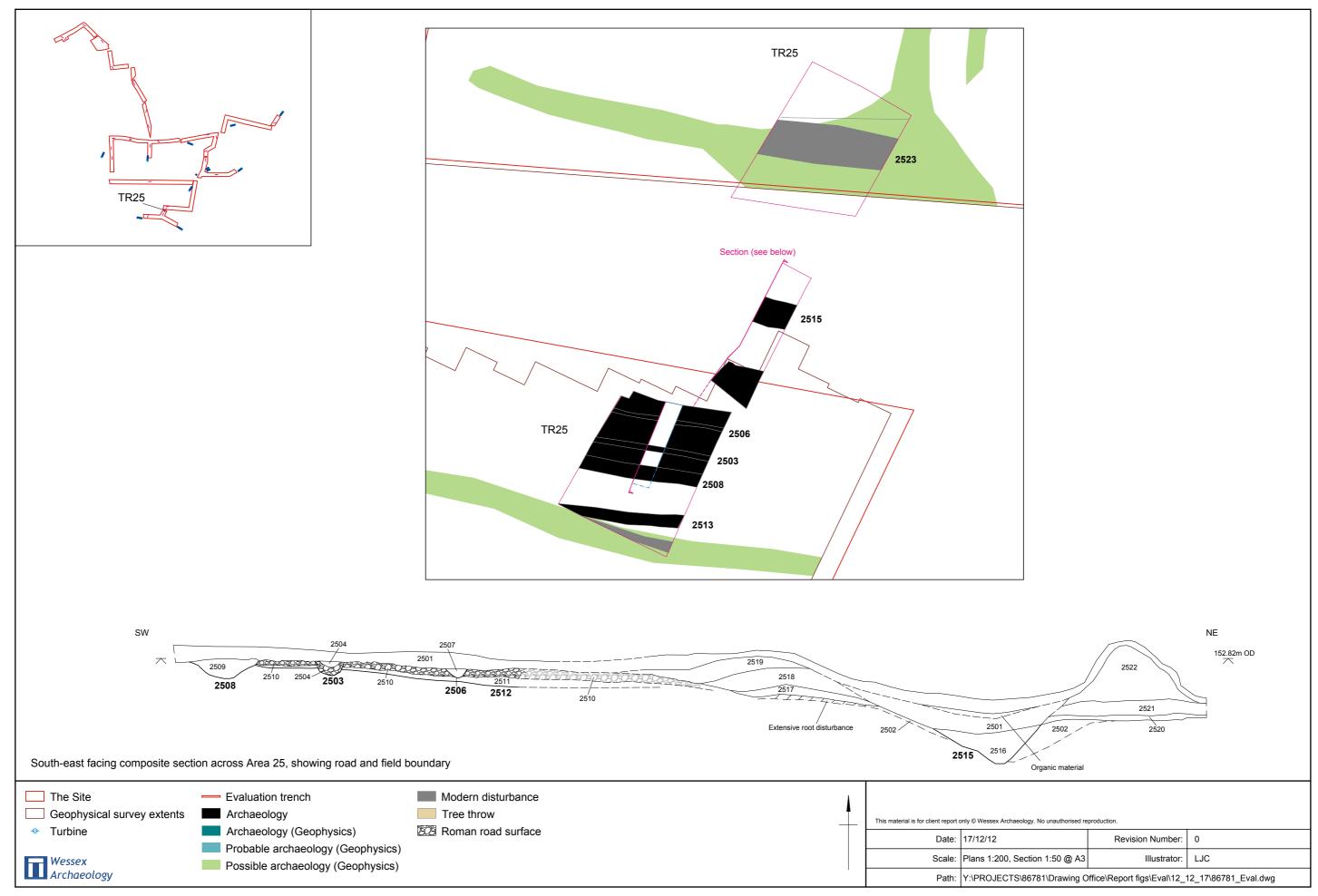




Plate 11: North-west facing section of wheel ruts 2503 and 2506, road 2512 and ditch 2508



Plate 12: South-east facing section through field boundary

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