



Archaeological trial trench evaluation for the Werrington Grade Separation Peterborough October 2018

Report No. 18/168

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Illustrator: Olly Dindol



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Project Manager: Jim Brown
Site Code: WGS18
NGR: TF 15557 03863 and TF 15890 04286

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OASIS REPORT FORM

PROJECT DETAILS		OASIS No: molanort1-336475	
Project title	Archaeological trial trench evaluation for the Werrington Grade Separation, Peterborough. October 2018		
Short summary	Morgan Sindall commissioned MOLA (Museum of London Archaeology) on behalf of Network Rail, to carry out an archaeological trial trench evaluation on land at Werrington Grade Separation, Peterborough. The evaluation identified ditches, undated, ridge and furrow cultivation, possible pits or postholes and tree root disturbance.		
Project type	Trial trench evaluation		
Site status	None		
Previous work	Network Rail Impact Assessment (2016) Geophysical survey (WYAS 2016).		
Current land use	Arable/ Pasture		
Development type	Rail network		
Future work	Unknown		
Monument type/period	None		
Significant finds	None		
PROJECT LOCATION			
County	Cambridgeshire		
Site address	Werrington		
Postcode	-		
OS coordinates	NGR TF 15557 03863 and TF 15890 04286		
Area (sq m/ha)	c10 ha		
Height aOD	c10m aOD		
PROJECT CREATORS			
Organisation	MOLA		
Project Brief originator	Morgan Sindall		
Project Design originator	Written Scheme of Investigation (Hopper 2018)		
Project Director/Manager	Jim Brown (MOLA)		
Project Supervisor	Esther Poulus (MOLA)		
Sponsor or funding body	Network Rail		
PROJECT DATE			
Start date (dd-mm-yy)	29/10/18		
End date (dd-mm-yy)	13/11/18		
ARCHIVES		Location (Accession no.)	Content
Physical	WGS18		Pottery, CBM, animal bone, clay tobacco-pipe, glass
Digital			Site records , plans, sections
Paper			report, photographs, survey data
BIBLIOGRAPHY			
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Archaeological trial trench evaluation for the Werrington Grade Separation Peterborough October 2018

Abstract

Morgan Sindall commissioned MOLA (Museum of London Archaeology) on behalf of Network Rail, to carry out an archaeological trial trench evaluation on land at Werrington Grade Separation, Peterborough. The evaluation identified undated ditches, ridge and furrow cultivation, possible pits or postholes and tree root disturbance.

1 INTRODUCTION

MOLA (Museum of London Archaeology) was commissioned by Morgan Sindall, on behalf of Network Rail, to undertake an archaeological trial trenching evaluation on land at Werrington Grade Separation, Peterborough (NGR TF 15557 03863 and TF 15890 04286; Fig 1).

The scheme will involve the construction of a new grade separated junction at Werrington Junction to allow the Great Northern/Great Eastern (GNGE) line to pass beneath the East Coast Main Line (ECML). The dive under structure will carry two new tracks, which will descend below ground to the west of the ECML and emerge above ground to the east of the ECML to pass under the A15 and Lincoln Road and then re-join the GNGE.

A programme of archaeological works evaluated the extent of the development on the archaeological resource in accordance with the National Planning Policy Framework (MHCLG). A Written Scheme of Investigation (WSI), prepared by Mott Macdonald (Hopper 2018), set out the scope of works in accordance with the requirements of the Peterborough City Archaeologist (PCC).

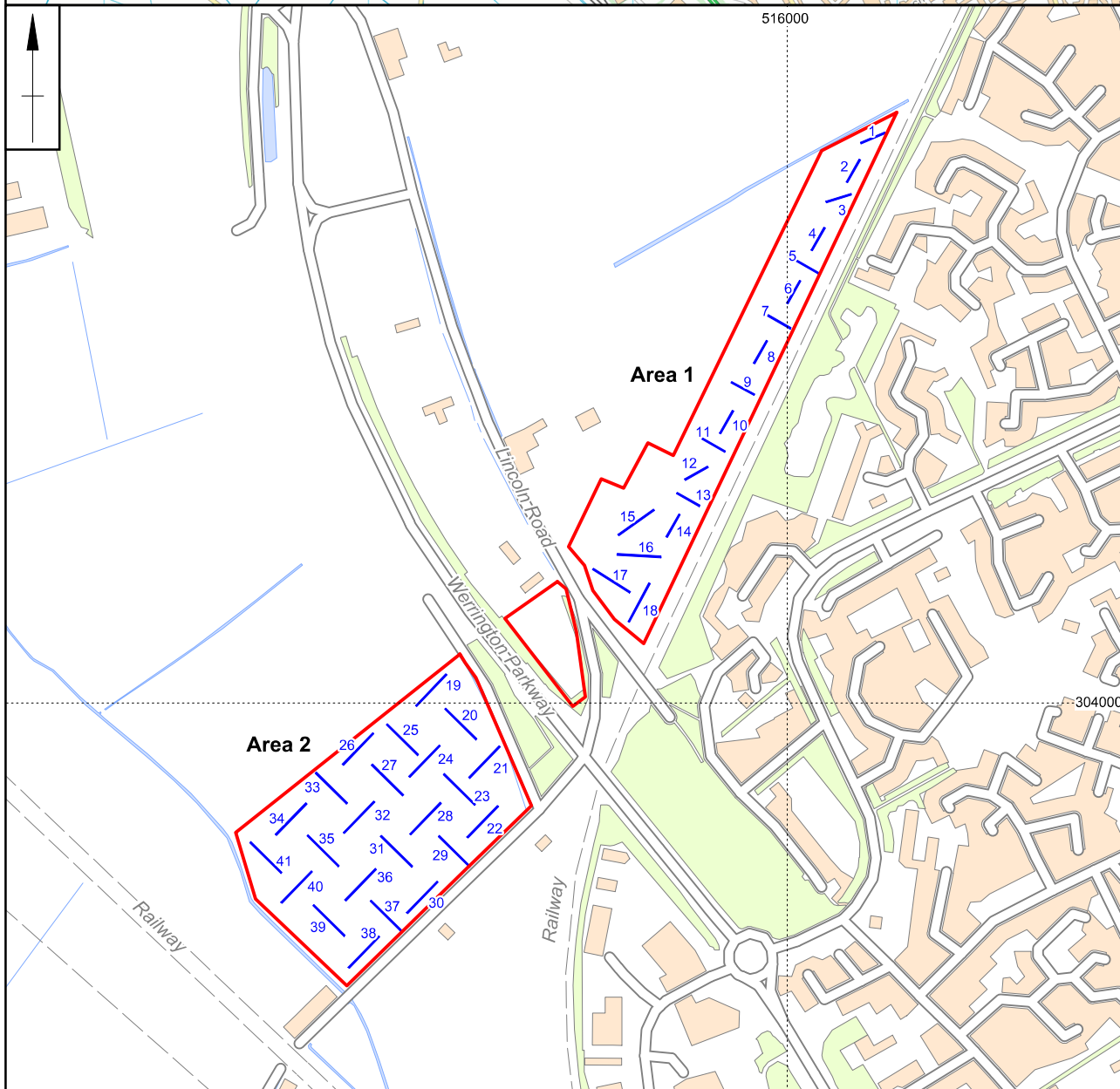
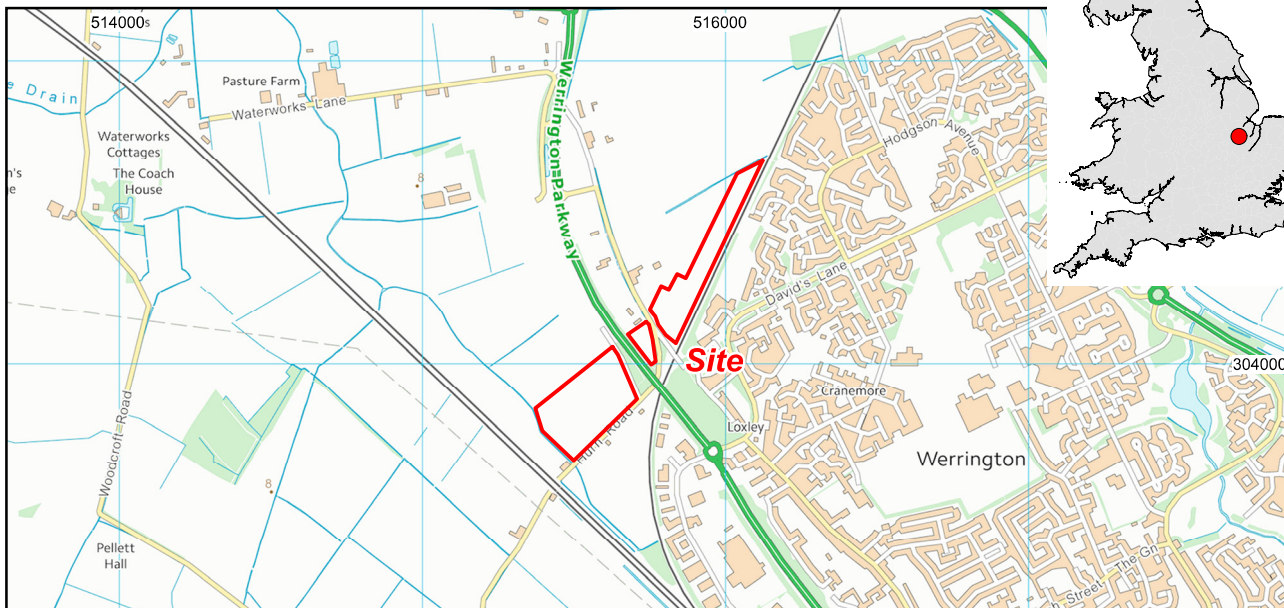
All works were carried out in accordance with the Chartered Institute for Archaeologists *Code of Conduct* (ClfA 2014a), standards (ClfA 2014b), and followed Historic England's management guidance (HE 2015).

2 BACKGROUND

2.1 Location, topography and geology

Werrington is on the north-west side of the City of Peterborough. The archaeological evaluation targeted two areas within the Scheme area, north and south of the A15 (Fig 1). The ground is level, comprising mainly arable or scrub measuring c10 ha. The land lies at 5–10m above Ordnance Datum and drains north into the River Welland.

The solid geology is likely to comprise Kellaways mudstone and sandstone with outcrops of cornbrash, river terrace gravel and an area of Oxford Clay to the south-east (BGS 2018). The soils are slowly permeable, seasonally wet and slightly acid base-rich loamy and clayey soils with impeded drainage and moderate fertility (LANNS2018).



0 250m

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Site location
Excavated trench

2.2. Historical and Archaeological background

A summary of the historic and archaeological potential of the site is contained in the WSI (Hopper 2018).

A geophysical magnetometer survey identified agricultural activity, such as modern ploughing, field drains and post-medieval ridge and furrow (WYAS 2016). Area indicated linear anomalies and potential ring ditches. Area 2 contained further linear anomalies, potential ring ditches and features of probable geological origin (Figs 3 and 8).

An assessment of aerial imagery identified medieval fields of upstanding ridge and furrow, and headlands that are recorded in photographs from 1940. Within the wider study area, buried ditched enclosures, tracks, pits and former quarries were observed as cropmarks, some of which may be of geological origin.

The Peterborough Historic Environment Record (HER) identifies heritage assets within 1km radius of the scheme. They comprise:

- a flint thumb nail scraper dating to the late prehistoric period from Werrington School,
- six Iron Age settlement areas to the north and east; c700m east and 18–700m north, of the development area;
- six areas of Roman settlement;
- there is a possible Roman road c228m to the north;
- a possible track that may have joined a settlement to Car Dyke in the east;
- an area c580m to the east includes the site of a Roman basilica.

Archaeological investigations have produced early medieval pottery finds nearby; and the site was located within medieval open fields until the 1810 Enclosure Act.

3 AIMS AND OBJECTIVES

3.1 *General*

The aim of the archaeological trial trench evaluation was to determine the presence or absence of archaeological remains, and characterise (nature, date, complexity and extent) any deposits found, specifically:

- identify the nature of the ground conditions and identify any areas where archaeological deposits have been truncated or removed;
- identify the depth at which archaeological remains are likely to survive across the development area;
- characterise and date the potential ring ditch anomalies of possible archaeological interest identified from the geophysical survey;
- identify uncertain anomalies of possible archaeological interest identified from the geophysical survey; and characterise (nature, date, complexity and extent);

- identify the nature and extent of any previously unknown archaeological deposits within the development area; and to
- enable the design of the archaeological investigation strategy.

Specific research objectives from national and regional research frameworks may be relevant depending upon the results of the work (Brown and Glazebrook 2000; Medlycott and Brown 2008; Medlycott 2011).

4 METHODOLOGY

The archaeological works comprised a programme of trial trench evaluation to test the results of geophysical survey. A total of 41 trenches comprised a mixture of 50m by 1.8m and 30m by 1.8m trenches. The trenches were equivalent to 3% of the available land required for the development.

Trenches were located using a Leica Survey Grade RTK GPS operating to an accuracy of $\pm 0.05\text{m}$ to Ordnance Survey National Grid and Datum. Trenches were machine excavated using a toothless ditching bucket 1.8m wide under continuous archaeological supervision and excavated to the first archaeological horizon or, where absent, the upper interface of geological deposits. Topsoil and subsoil were stored separately on either side of the trenches.

The archaeological horizon in each trench was cleaned sufficiently to enhance the definition of features, unless it was certain that there were no archaeological remains present. All features were sampled by hand to determine their date and character. Trenches were open for a minimum of 48 hours to allow weathering.

Topsoil artefact sampling comprised a minimum 100 litres of topsoil and subsoil at the ends of each trench, and the centre of 50m trench, sifted by hand to collect any artefacts. Metal detectors scanned for finds along the trenches and spoil heaps.

Recording followed standard MOLA procedures (MOLA 2014). All archaeological features were given unique context numbers. Deposits were described on *pro-forma* context sheets and included details of the context, its relationships, interpretation and a checklist of associated finds.

No archaeological deposits were encountered that required environmental sampling.

Finds were collected, appropriately packed and stored in stable conditions by context, receiving appropriate care prior to removal from site (ClfA 2014c; Watkinson and Neal 2001).

Archaeological features were planned at a scale of either 1:100 or 1:50 as appropriate. Sections or profiles through features and areas of complex stratigraphy were drawn at a scale of 1:10 and levels were related to Ordnance Datum.

A photographic record was maintained by high resolution digital photography exceeding 12 megapixels. All photographs, except general images included a north arrow and suitable photographic scale.

The field data was compiled into a site archive with appropriate cross-referencing in accordance with relevant guidelines (HE 2015).

5 THE EXCAVATED EVIDENCE

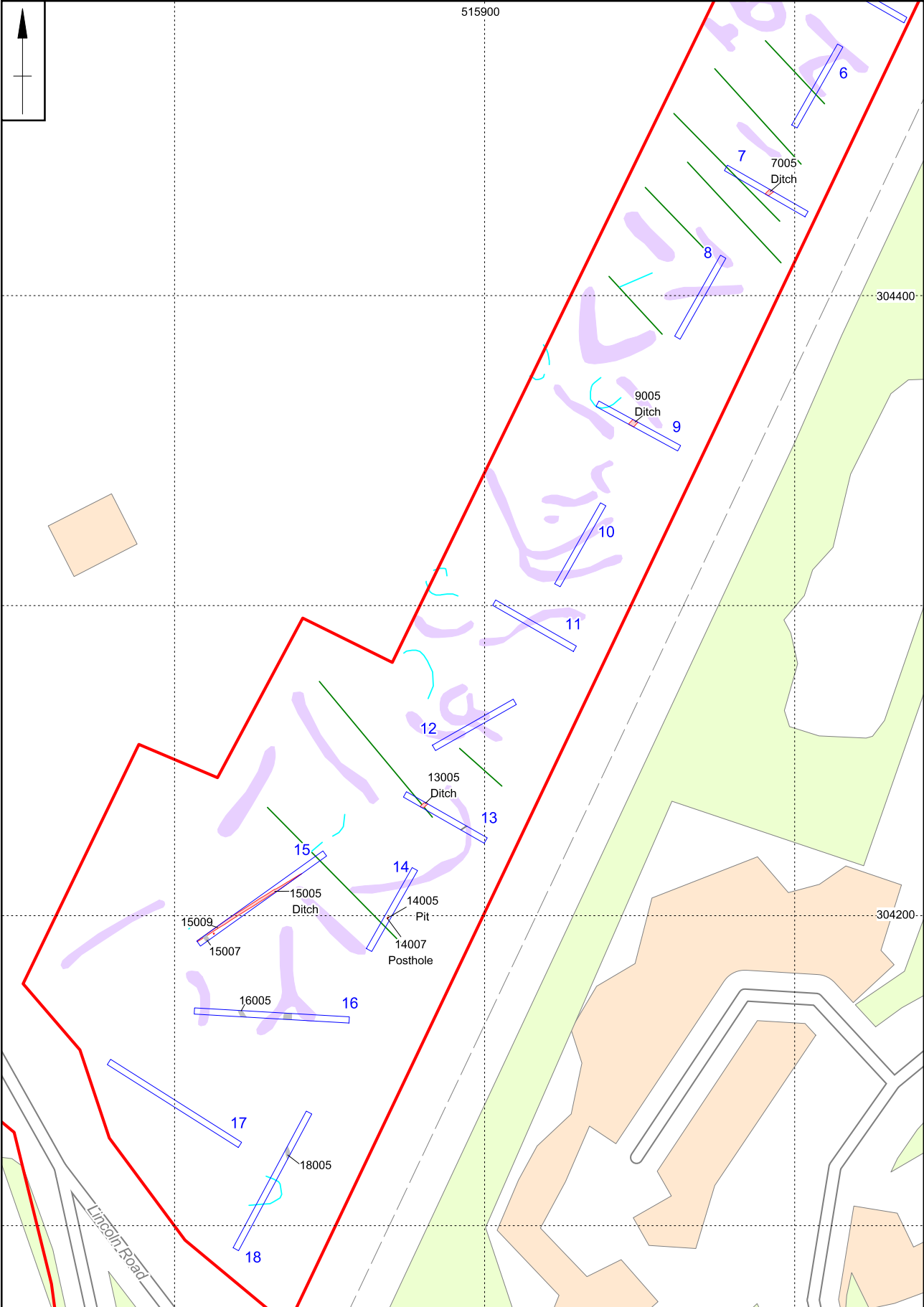
5.1 Summary

The natural horizon comprised yellow-brown to orange-brown clay. Subsoil was present in all of the trenches and was mid yellow–brown clay silt, 0.15–0.30m thick. The topsoil was mid to dark grey-brown silty loam, 0.18–0.35m thick (Fig 2).

Archaeological features in both areas mainly comprised a few sparse undated ditches, ridge and furrow cultivation and possible pits or postholes. Many of the trenches were blank.



Typical stratigraphy, Trench 9, looking north-east Fig 2



0 100m

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Geophysical survey © WYAS

	Archaeology - Geo		Furrow		Site location
	Furrow - Geo		Drain		Excavated trench
	Geology - Geo				Feature

Scale 1:1750

Area 1 - Trenches 6-18 overview and geophysics interpretation Fig 3

5.2 Area 1

Topsoil was hand sorted over both areas. In Area 1, it produced two sherds of post-medieval pottery from Trenches 2 and 13. The lack of artefacts indicates a low potential for settlement nearby.

Ditches were present in Trenches 7, 9, 13 and 15, a furrow was present in Trenches 15, 16 and 18, and a small pit and posthole was excavated in Trench 14 (Fig 3).

Undated ditches

A linear feature in Trenches 7 and 9 was aligned north-east to south-west, perpendicular to the geophysical trends. Ditch [9005] had a wide shallow profile and flat base, 1.22–1.40m wide, and was filled with mid grey-brown silty sand and was up to 0.3m deep with occasional sub-rounded stones throughout (Fig 4). The fill comprised silting deposits but contained no finds.



Ditch [9005], looking south-west Fig 4

A similar linear ditch, on the same alignment, was present in Trenches 13; [13005] and 15; [15005] and [15008]. Ditch [15005] had a wide V-shape profile with concave base that was 0.98m wide by 0.20m deep and filled by silting deposits (Fig 5). A single shard of green post-medieval glass came from the upper fill (15008) but it was unclear to whether or not it was intrusive from later root disturbance.



Ditch [15005], looking north-east Fig 5

Ridge and furrow cultivation

The geophysical survey identified positive linear anomalies, likely to reflect ridge and furrow cultivation, aligned north-west to south-east (WYAS 2016). One of these furrows was verified towards the southern end of Trench 15 (Fig 3).



Furrow [18005], looking south-east Fig 6

Furrows were also verified in Trenches 16 and 18 (Fig 6) where they had wide shallow profiles, 1.14–1.24m wide and 0.09m deep, filled with mid orange-grey-brown silty sand. Not all furrows were excavated, since they were on the same alignment as the linear anomalies identified by the geophysical survey.

Undated posthole and pit

A small pit, [14005], was truncated by a later posthole, [14007] (Figs 3 and 7). Pit [14005] was sub-circular in plan with a shallow wide profile and concave base, 0.16m in diameter and 0.06m deep, filled by yellow-brown silty sand.



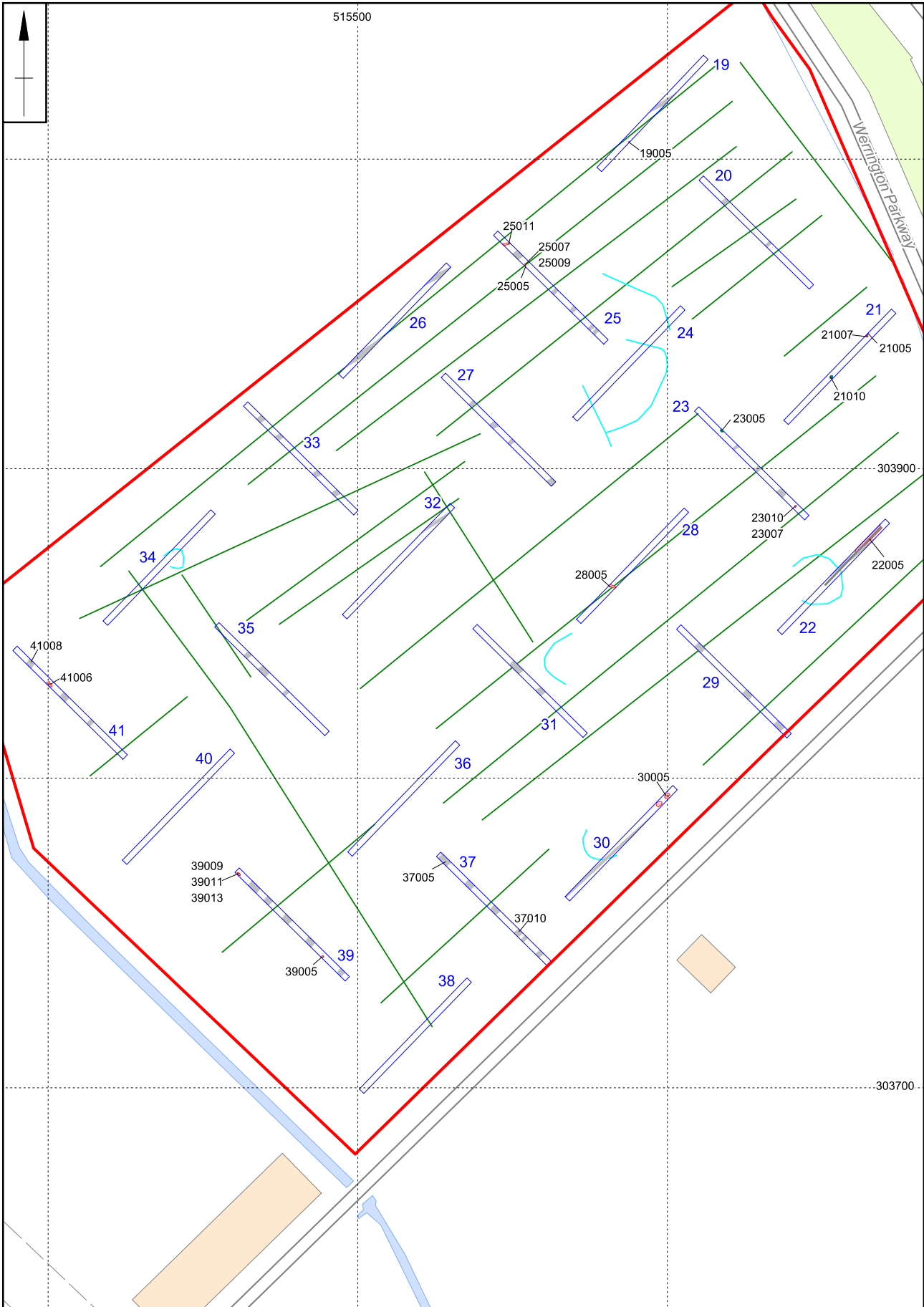
Pit [14005] and posthole [14007], looking south-east Fig 7

Posthole [14007] cut the south-west edge of the pit, 0.28m in diameter and 0.13m deep (Fig 7). The fill of the posthole contained large charcoal flecks but no datable artefacts were recovered.

5.3 Area 2

Hand sorting of the topsoil over Area 2 produced a range of pottery dating from the late 12th–20th centuries. The majority of the pottery was post-medieval and is probably from manuring.

Two gullies were present in Trenches 25 and 28, whilst furrows were present across most of the site (Fig 8). Postholes and pits were identified in a few of the trenches, but in no significant groups or concentrations (Fig 8).



0 100m

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Archaeology - Geo	Furrow	Site location
Furrow - Geo	Drain	Excavated trench
	Tree bowl	Feature

Scale 1:1750

Area 2 - Trenches 19-41 overview Fig 8

Undated gullies

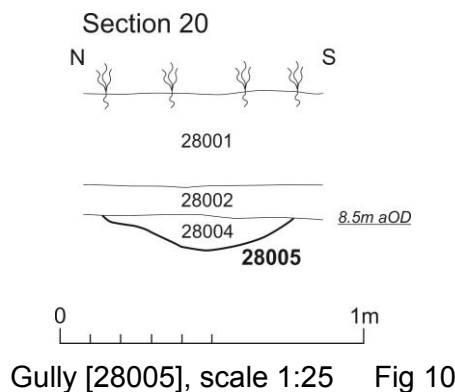
Two gullies were identified in Trenches 25 and 28. The gullies were aligned east-west and were sealed beneath the subsoil.

Gully [25011] had a shallow U-shaped profile and concave base, 0.55m wide by 0.16m deep (Fig 9), and was filled by mixed sandy silty clay that may represent intentional backfill.



Gully [25011], looking west-south-west Fig 9

To the south in Trench 28, a second gully, [28005], had a wide shallow profile and concave base that was 0.65m wide by 0.12m deep (Fig 10). The gully was filled by grey-brown silty sand from in-wash. The gullies were probably former drainage features.



Ridge and furrow cultivation

Ridge and furrow cultivation was present across the majority of Area 2 and correlated with the anomalies identified by the geophysical survey (Fig 8). The furrows were aligned north-east to south-west and spaced at 2–10m intervals, they were 1–3m wide with shallow profiles and flat bases, and were filled by mid brown-grey silty clay.



Furrow [37010], looking north-east Fig 11

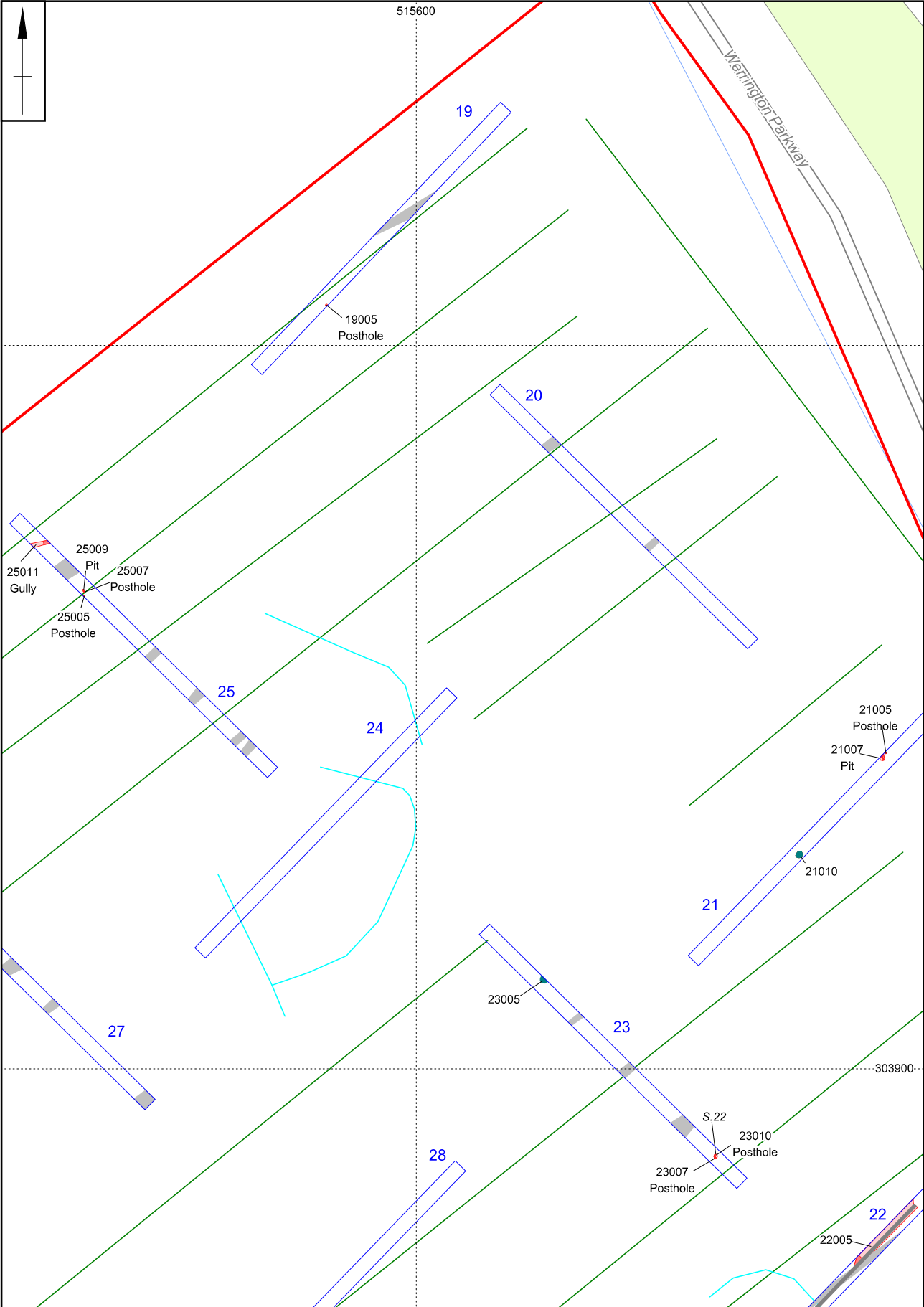
This example, furrow [37010], had a shallow wide profile with a flat base that was 2.2m wide by 0.17m deep (Fig 11).

Undated postholes and pits

Postholes and pits were present in Trenches 19, 21, 23, 25, 30, 39 and 40, but there was no evidence to indicate these were structural features (Figs 12–13).

In Trench 19 there was a single sub-circular posthole, [19005], which had a steep U-shaped profile that was 0.26m in diameter by 0.2m deep (Fig 12). The posthole was filled by mid grey-brown clay silt with manganese inclusions.

A posthole [21005] in Trench 21 was in close proximity to a shallow pit [21007] (Figs 12 and 14). The posthole was circular posthole with a U-shaped profile and concave base, 0.25m wide by 0.17m deep. The pit was an irregular oval in plan with a shallow U-shaped profile and flat base, 0.75m wide by 0.12m deep. Both features were filled by grey-brown silty clay with black mottling.

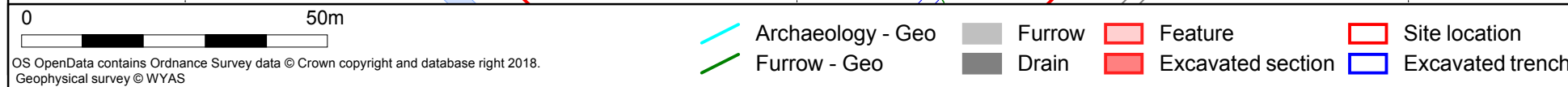
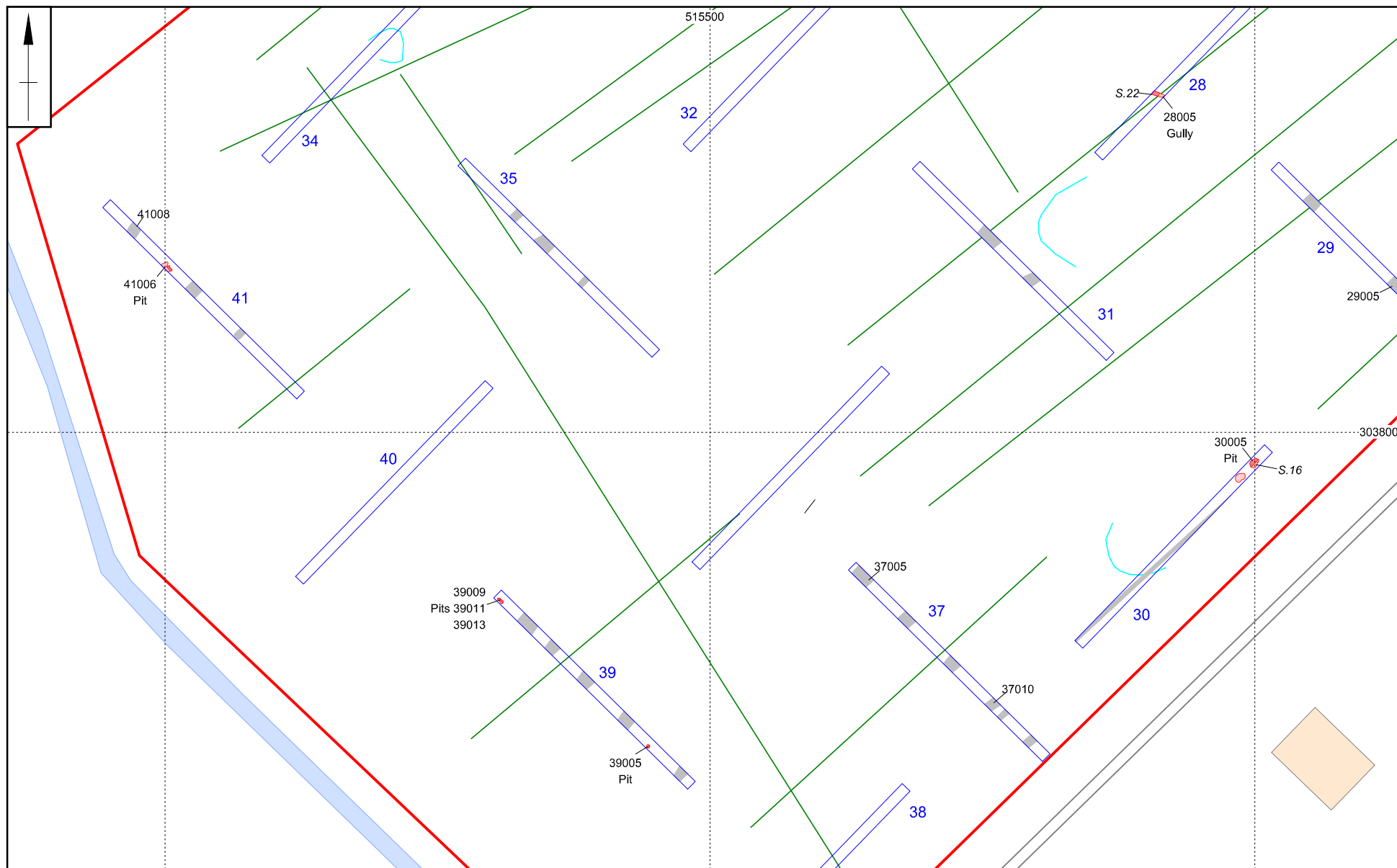


0 25m
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- Archaeology - Geo
- Furrow - Geo
- Tree bowl
- Furrow
- Drain
- Feature
- Site location
- Excavated trench
- Excavated section

Scale 1:750

Trench plans 19-25 Fig 12



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Geophysical survey © WYAS

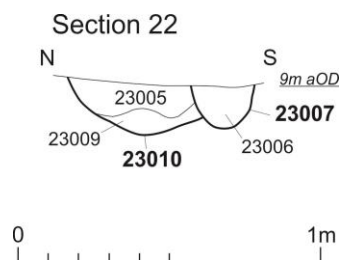
Scale 1:1000

Trench plans 30, 39 & 41 Fig 13



Posthole [21005] and pit [21007], looking west Fig 14

There were two postholes and a tree bowl in trench 23 (Fig 12). Posthole [23010] was sub-circular in plan with near vertical sides and rounded base, 0.4m in diameter by 0.2m deep. The posthole contained silty clay fill with occasional charcoal flecks. On the southern edge it was cut by posthole [23007], 0.21m in diameter by 0.14m deep (Fig 15), filled by silty clay with frequent charcoal flecks.



Postholes [23007] and [23010], scale 1:25 (Fig 15)

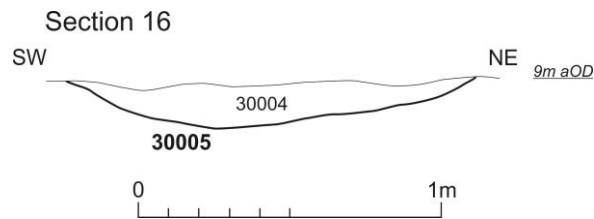
A small cluster of features were located in the north-west end of Trench 25 that included the previously mentioned gully, [25011], two postholes and a pit (Fig 12 and 16).

Posthole [25005] was circular in plan with a U-shaped profile, 0.18m in diameter by 0.13m deep, filled by mixed grey-brown silty clay with frequent charcoal flecks. Immediately to the north was a shallow pit, [25009], which was cut by posthole [25007]. The pit was sub-circular in plan with a shallow profile, 0.3m long by 0.08m deep, and posthole [25007] had similar characteristics to posthole [25005].



Postholes [25005], [25007] and pit [25009], looking west Fig 16

Two possible pits were investigated in Trench 30 (Fig 13). Pit [30005] was oval in plan, aligned north-east to south-west and had gently sloping edges onto a flat base (Fig 13 and 17). The fill comprised mid grey-brown silty clay with small sub-angular stone inclusions.



Pit [30005], scale 1:25 Fig 17

Trench 39 contained four pits, three of which were intercutting at the north-east end of the trench (Fig 13).

Pit [39006] was located towards the south-west end of the trench and was sub-circular in plan with a wide shallow profile, 0.65m long by 0.55m wide (Figs 13 and 18). The basal fill was silty mixed natural clay (39004), 0.15m thick. Overlying this was dark grey-brown silty clay in the depression at the surface.



Pit [39006], looking south-west Fig 18

Pits [39009], [39011] and [39013] were intercut and had diffuse boundaries. It was unclear whether they were the result of natural processes such as root action or animal disturbance (Figs 13 and 19).



Pits [39009], [39011] and [39013], looking south-west Fig 19

An area of root disturbance and a single pit were present in Trench 41 (Fig 13). Pit [41006] was irregular in plan, 2m long by 1.5m wide. The sides were near vertical onto a flat base and filled by dark grey silty clay, 0.3m deep (Figs 13 and 20).



Pit [41006], looking south-west Fig 20

Below the topsoil of Trench 41, and overlying the subsoil, was a layer of yellow-brown clay silt that contained occasional brick fragments (41004). The material was probably a modern deposit associated with the maintenance of a nearby dyke.

6 THE FINDS

6.1 The pottery by Paul Blinkhorn

The post-Roman pottery assemblage comprised 12 sherds (236g) and was all medieval or later in date. The medieval pottery was recorded using the system of codes and chronologies suggested by Spoerry (2016), as follows:

CSTN	Cistercian ware, AD1470–1550, 1 sherd, 3g.
HUNFSW	Huntingdonshire Fen sandy ware, AD1175 –1300, 1 sherd, 1g.
MPUR	Midland purple ware, AD1450–1750, 1 sherd, 8g.
OSW	Late medieval oxidized sandy wares, AD 1450–1550, 1 sherd, 8g,

The post-medieval pottery was recorded using the conventions of the Museum of London type-series, as follows:

PMBL	Post-medieval black-glazed redware, AD1600–1900, 5 sherds, 108g
PMR	Post-medieval redware, 16th–19th centuries, 1 sherd, 18g.
REFW	Refined whiteware, AD1800–1900, 2 sherds, 90g.

The pottery occurrence by number and weight of sherds per context and by fabric type is shown in Table 1. Each date should be regarded as a *terminus post quem*. The range of fabric types is typical of sites in the region. All the sherds were abraded to some degree, and are clearly the product of secondary deposition.

Table 1: Pottery occurrence by number and weight (in g) of sherds per context by fabric type

Context	HUNFSW		OSW		MPUR		CSTN		PMR		PMBL		REFW		Date
	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	
2002	-	-	-	-	1	8	-	-	-	-	-	-	-	-	M15thC
13001	-	-	-	-	-	-	-	-	-	-	1	26	-	-	18thC
20001	-	-	-	-	-	-	-	-	-	-	1	17	-	-	18thC
26001	-	-	-	-	-	-	1	3	-	-	-	-	-	-	L15thC
28001	-	-	-	-	-	-	-	-	-	-	1	9	-	-	18thC
28002	1	1	-	-	-	-	-	-	-	-	-	-	-	-	L12thC
30002	-	-	-	-	-	-	-	-	1	18	-	-	1	37	MOD
33002	-	-	1	8	-	-	-	-	-	-	-	-	-	-	M15thC
36002	-	-	-	-	-	-	-	-	-	-	-	-	1	53	MOD
37002	-	-	-	-	-	-	-	-	-	-	2	56	-	-	18thC
Total	1	1	1	8	1	8	1	3	1	18	5	108	2	90	

6.2 The brick and tile by Rob Atkins

Four brick and tile fragments were found. An undiagnostic brick fragment (10g) from context (3002) dates any time from the medieval to post-medieval periods. A Fletton type brick fragment (91g) from context (38001) is 20th-century in date, probably from at least the middle of the century. A late 19th to middle 20th-century ceramic wall tile fragment (15g) was found in context (7001); it is in a very hard orange sandy fabric with a brown glaze on one surface. A 20th-century machine-made ceramic drain fragment (32g) was recovered from context (38001).

6.3 The animal bone by Sander Aerts

The subsoil in Trench 19 produced two unidentifiable fragments of large mammal bone and a heavily abraded horse molar came from the subsoil of Trench 20.

6.4 Clay tobacco-pipe by Tora Hylton

One abraded fragment of clay tobacco-pipe stem came from subsoil overlying Trench 12. The stem fragment measures up to 21mm in length and displays moderate signs of erosion. Changes in manufacturing technique and the use of finer wire to make the bores ensured that there was a regular reduction in hole diameter between c1620 and 1800. The bore was measured using graded drill bits in increments of sixty-fourths of an inch and this indicated that it measured 7/64ths suggesting an early 18th-century date.

6.5 Glass by Tora Hylton

A single shard of green post-medieval glass weighing 9.1g came from fill (15008) of ditch [15009]. The shard, an undiagnostic body sherd and is exceedingly abraded; the surfaces are covered in a weathered crust. The thickness of the glass and its colour suggest that it may originate from a wine bottle.

7 CONCLUSION

Few archaeological features were present across the two areas of the investigation. They largely represented agricultural activities that would have taken place in open fields with little indication of settlement nearby. Two field systems were identified with ridge and furrow aligned north-west to south-east in Area 1 and aligned north-east to south-west in Area 2. The absence of datable material within the features meant it was not possible to fit the site into a relevant research framework.

The anomalies identified from the geophysical survey (WYAS 2016) were not present in the trenches and were likely geological in nature. The linear trends were the result of ridge and furrow cultivation and were verified by the trenches.

One ditch in Area 1, loosely dated to the post-medieval period, may have been a field boundary ditch associated with the 1810 Enclosure Act. The ridge and furrow cultivation present across the area, although undated, did not appear to respect the boundary and may be late medieval. A pit and posthole appear to be isolated and likely represent low level activity in an agricultural landscape.

Area 2 identified a similar landscape setting of open fields with gullies, ridge and furrow cultivation, pits and postholes. The gullies would have provided drainage as part of a wider field system. The ridge and furrow cultivation was on a different alignment to Area 1 indicating the Werrington Parkway road was located over an old field boundary or lane dividing the land. The small clusters of pits and postholes represent isolated activity associated with the agricultural setting.

The results of the trial trench evaluation indicate that there is limited archaeological potential for the site. None of the finds are worthy of retention.

BIBLIOGRAPHY

- BGS 2018 British Geological Survey GeolIndex, <http://bgs.ac.uk/geoindex> (accessed 23/11/2018)
- Brown, N, and Glazebrook, J, (eds) 2000 *Research and Archaeology: A Framework for the Eastern Counties, 2, Research agenda and strategy*, East Anglian Archaeol, Occ Pap, **8**
- CIfA 2014a *Code of Conduct*, Chartered Institute for Archaeologists
- CIfA 2014b *Standard and Guidance: Archaeological Field Evaluation*, Chartered Institute for Archaeologists
- CIfA 2014c *Standard and guidance for the collection, documentation, conservation and research of archaeological materials*, Chartered Institute for Archaeologists
- HE 2015 *Management of Research Projects in the Historic Environment (MoRPHE)*, Historic England
- Hopper, M, 2018 *Written Scheme of Investigation – Archaeological Intrusive Evaluation and Archaeological Watching Brief*, Mott Macdonald
- LANDIS 2018 The Cranfield Soil and AgriFood Institute (CSAFI), <http://www.landis.org.uk/soilscapes/> (accessed 29/10/2018)
- Medlycott, M, 2011 *Research and Archaeology Revisited: a revised framework for the East of England*, East Anglian Archaeology, Occ Pap, **24**
- Medlycott, M, and Brown, N, 2008 *Revision of the Regional Archaeological Framework for the Eastern Region*, Association of Local Government Archaeological Officers
- MHCLG 2018 *National Planning Policy Framework*, Ministry of Housing, Communities and Local Government
- MOLA 2014 *Archaeological Fieldwork Manual*, Museum of London Archaeology
- NR 2016 *Werrington Grade Separation Environmental Statement*, Volume III: Appendix G, Network Rail
- NR 2016 *Werrington Grade Separation Environmental Statement*, Volume II: Impact Assessment, Network Rail
- Spoerry, P, 2016 *The Production and Distribution of Medieval Pottery in Cambridgeshire*, East Anglian Archaeology, **159**
- Watkinson, D, and Neal, V, 2001 *First Aid for Finds* (3rd edition reprinted), United Kingdom Institute for Conservation
- WYAS 2016 *Werrington Grade Separation, Peterborough; Geophysical Survey*, West Yorkshire Archaeological Service report, **2907**

MOLA Northampton
December 2018

APPENDIX 1: CONTEXT INVENTORY

Trench No	Alignment, Length & width		Surface height	Height of natural
1	ENE-WSW 30mx1.8m		10.34m aOD	9.86m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
1001	Topsoil	Mid to dark grey-brown silty loam	0.28m thick	-
1002	Subsoil	Yellow-brown clay silt	0.20m thick	-
1003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
2	NE-SW 30mx1.8m		10.64m aOD	10.20m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
2001	Topsoil	Mid to dark grey-brown silty loam	0.26m thick	-
2002	Subsoil	Yellow-brown clay silt	0.18m thick	-
2003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk and grey-white clay	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
3	ENE-WSW 50mx1.8m		10.84m aOD	10.33m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
3001	Topsoil	Mid to dark grey-brown silty loam	0.25m thick	-
3002	Subsoil	Yellow-brown clay silt	0.26m thick	-
3003	Natural	orange-brown sandy silt with frequent small stone sand patches of chalk and light grey clay	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
4	NE-SW 30mx1.8m		11.00m aOD	10.53m aOD

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<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
4001	Topsoil	Mid to dark grey-brown silty loam	0.27m thick	-
4002	Subsoil	Yellow-brown clay silt	0.20m thick	-
4003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk and grey-white clay	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
5	WNW-ESE 30mx1.8m		11.24m aOD	10.68m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
5001	Topsoil	Mid to dark grey-brown silty loam	0.28m thick	-
5002	Subsoil	Mid yellow-grey sandy silt	0.28m thick	-
5003	Natural	Orange-brown sandy silt with frequent small stones and patches of brown silt	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
6	NE-SW 30mx1.8m		11.53m aOD	10.95m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
6001	Topsoil	Mid to dark grey-brown silty loam	0.28m thick	-
6002	Subsoil	Mid yellow-grey sandy silt	0.30m thick	-
6003	Natural	Orange-brown sandy silt with frequent small stones and patches of brown silt	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
7	WNW-ESE 30mx1.8m		11.34m aOD	10.78m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
7001	Topsoil	Mid to dark grey-brown silty loam	0.33m thick	-
7002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.23m thick	-

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7003	Natural	Orange-brown sandy silt with frequent small stones and patches of brown silt	-	-
7004	Fill of 7006	Friable grey-brown silty sand	0.20m thick	-
7005	Fill of 7006	Compact yellow-grey silty sand, sub-angular stone inclusions	0.10m thick	-
7006	Ditch	Ditch aligned NE-SW with gentle curving sides onto flattish base	1.4m wide 0.30m deep	-

Trench No	Alignment, Length & width		Surface height	Height of natural
8	NE-SW 30mx1.8m		11.21m aOD	10.75m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
8001	Topsoil	Mid to dark grey-brown silty loam	0.26m thick	-
8002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.20m thick	-
8003	Natural	Orange-brown sandy silt with frequent small stones and patches of brown silt	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
9	WNW-ESE 30mx1.8m		10.83m aOD	10.35m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
9001	Topsoil	Mid to dark grey-brown silty loam	0.30m thick	-
9002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.18m thick	-
9003	Natural	Orange-brown sandy silt with frequent small stones and patches of brown silt	-	-
9004	Fill of 9005	Mid grey-brown silty sand	0.17m thick	-
9005	Ditch	Linear ditch aligned NE-SW with a wide shallow profile onto a flat base	1.22m wide 0.17m deep	

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Trench No	Alignment, Length & width		Surface height	Height of natural
10	NE-SW 30mx1.8m		11.16m aOD	10.73m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
10001	Topsoil	Mid to dark grey-brown silty loam	0.24m thick	-
10002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.19m thick	-
10003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
11	WNW-ESE 30mx1.8m		11.42m aOD	10.92m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
11001	Topsoil	Mid to dark grey-brown silty loam	0.30m thick	-
11002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.20m thick	-
11003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
12	ENE-WSW 30mx1.8m		11.84m aOD	11.25m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
12001	Topsoil	Mid to dark grey-brown silty loam	0.28m thick	-
12002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.31m thick	-
12003	Natural	Light to mid brown sandy silt with brown mottling. frequent manganese small stones and patches of darker brown sand silt	-	-

WERRINGTON GRADE SEPARATION

Trench No	Alignment, Length & width		Surface height	Height of natural
13	WNW-ESE 30mx1.8m		11.46m aOD	10.94m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
13001	Topsoil	Mid to dark grey-brown silty loam	0.35m thick	-
13002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.15m thick	-
13003	Natural	Orange-brown sandy silt with frequent small stones and patches of brown silt	-	-
13004	Fill of 13005	Loose mid grey-brown silty sand	0.19m thick	-
13005	Ditch	Linear ditch aligned NE to SW. wide gentle sloping profile onto slightly concave base	0.98m wide 0.19m deep	

Trench No	Alignment, Length & width		Surface height	Height of natural
14	NE-SW 30mx1.8m		11.49m aOD	11.02m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
14001	Topsoil	Mid to dark grey-brown silty loam	0.32m thick	-
14002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.15m thick	-
14003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
14004	Fill of 14005	Mid yellow-brown silty sand with some charcoal flecks.	0.06m thick	-
14005	Pit	Sub-circular pit with shallow wide profile and concave base	0.16m wide 0.06m deep	-
14006	Fill of 14007	Mid yellow-brown silty sand with frequent charcoal flecks	0.13m thick	-
14007	Posthole	Sub-circular with moderate sloping sides and concave base	0.28m wide 0.13m deep	-

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Trench No	Alignment, Length & width		Surface height	Height of natural
15	ENE-WSW 30mx1.8m		10.96m aOD	10.38m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
15001	Topsoil	Mid to dark grey-brown silty loam	0.33m thick	-
15002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.25m thick	-
15003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
15004	Fill of 15005	Friable mid grey-brown silty sand with occasional stones	0.20m thick	-
15005	Ditch	Linear ditch aligned NE-SW, part of 13005. Wide moderate sloping sides and concave base	0.77m wide 0.20m deep	-
15006	Fill of 15007	Friable mid grey-brown silty sand with frequent sub-rounded stones	0.05m thick	-
15007	Furrow	Linear furrow, irregular, aligned SE-NW with shallow wide profile and flat but slightly concave base	0.30m wide 0.05m deep	-
15008	Fill of 15009	Friable mid grey-brown silty sand with frequent stone inclusions	0.20m thick	-
15009	Ditch	Linear ditch aligned NE-SW with moderately steep sloping sides and concave base. Part of 13005/ 15005	0.41m wide 0.20m deep	-

Trench No	Alignment, Length & width		Surface height	Height of natural
16	E-W 50mx1.8m		11.34m aOD	10.87m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
16001	Topsoil	Mid to dark grey-brown silty loam	0.30m thick	-
16002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.17m thick	-

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16003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
16004	Fill of 16005	Mid orange-grey-brown silty sand with occasional small pebbles	0.09m thick	-
16005	Furrow	Linear ditch aligned NE-SW with gently sloping edges and flat base	1.14m wide 0.09m deep	-
16006	Furrow	Linear furrow aligned NE-SW	Unexcavated	-

Trench No	Alignment, Length & width		Surface height	Height of natural
17	WNW-ESE 50mx1.8m		11.29m aOD	10.79m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
17001	Topsoil	Mid to dark grey-brown silty loam	0.30m thick	-
17002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.20m thick	-
17003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
18	NE-SW 50mx1.8m		11.39m aOD	10.96m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
18001	Topsoil	Mid to dark grey-brown silty loam	0.28m thick	-
18002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.15m thick	-
18003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
18004	Fill of 18005	Mid orange-grey-brown silty sand with occasional pebbles	0.09m thick	-
18005	Furrow	Linear furrow aligned NW-SE with gently sloping sides and flat base	1.24m wide 0.09m deep	-

Trench	Alignment,		Surface	Height of
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WERRINGTON GRADE SEPARATION

No	Length & width		height	natural
19	NE-SW 50mx1.8m		10.29m aOD	9.92m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
19001	Topsoil	Dark brown silty clay	0.25m thick	-
19002	Subsoil	Mid yellow-brown silty clay/ sand	0.12m thick	-
19003	Natural	Yellow-brown clay with blue-grey clay with occasional limestone and patches of chalk	-	-
19004	Fill of 19005	Mid brown-grey clayey silt with manganese flecks	0.20m thick	-
19005	Posthole	Sub-circular posthole with near vertical sides and concave base	0.26m diameter 0.20m deep	-
19006	Furrow	1 furrow aligned NE-SW	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
20	NW-SE 50mx1.8m		10.38m aOD	9.84m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
20001	Topsoil	Mid brown clay loam	0.29m thick	-
20002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.25m thick	-
20003	Natural	orange-brown silt with manganese flecks small stones and patches of blue-grey clay	-	-
20004	Furrows	2 x furrows aligned NE-SW	Unexcavated	-

Trench No	Alignment, Length & width		Surface height	Height of natural
21	NE-SW 50mx1.8m		10.37m aOD	m 9.87aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
21001	Topsoil	Mid to dark grey-brown clay loam	0.30m thick	-
21002	Subsoil	Mid yellow-grey-brown clayey silt,	0.20m thick	-
21003	Natural	Light grey clay silt with chalk inclusions, patches of orange-brown sandy clay and gravels	-	-

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21004	Fill of 21005	Grey-brown silty clay with moderate charcoal inclusions	0.17m thick	-
21005	Posthole	Circular posthole with wide U-shaped profile and concave base	0.25m wide 0.17m deep	-
21006	Fill of 21007	Light grey-brown silty clay with black mottling	0.12m thick	-
21007	Pit	Irregular, oval shaped pit aligned roughly N-S with shallow U-shaped profile and flat base	0.75m wide 0.12m deep	-
21008	Fill of 21010	Mid grey-brown silty clay with rare small stones.	0.19m thick	-
21009	Fill of 21010	Mid grey-brown silty clay	0.10m thick	-
21010	Tree bowl	Irregular sub-rounded tree bowl with moderately steep sides and concave base	1.20m wide 0.29m deep	-

Trench No	Alignment, Length & width		Surface height	Height of natural
22	NE-SW 50mx1.8m		10.07m aOD	9.63m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
22001	Topsoil	Mid to dark grey-brown clay loam	0.26m thick	-
22002	Subsoil	Mid yellow-grey-brown clayey silt,	0.16m thick	-
22003	Natural	Light grey clay silt with chalk inclusions, patches of orange-brown sandy clay and gravels	-	-
22004	Fill of 22005	Mid yellow-grey-brown silty clay with rare small sub-angular stones	0.12m thick	-
22005	Furrow	Linear furrow aligned NE-SW with a shallow wide profile and flat base	1.80m wide 0.12m deep	-

Trench No	Alignment, Length & width		Surface height	Height of natural
23	NW-SE 50mx1.8m		9.66m aOD	9.22m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
23001	Topsoil	Mid to dark grey-brown clay loam	0.28m thick	-

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23002	Subsoil	Mid yellow-grey-brown clayey silt,	0.12m thick	-
23003	Natural	Light grey clay silt with chalk inclusions, patches of orange-brown sandy clay and gravels	-	-
23004	Fill of 23005	Mid grey-brown sandy silt with rare pebbles	0.17m thick	-
23005	Tree bowl	Sub-circular tree bowl with shallow u-shaped profile and concave base	0.95m wide 0.17m deep	-
23006	Fill of 23007	Blackish-grey-brown mixed silty clay	0.14m thick	-
23007	Posthole	Circular posthole with steep U-shaped profile and concave base	0.21m wide 0.14m deep	-
23008	Fill of 23010	Mid grey-brown silty clay with blackish mottling	0.14m thick	-
23009	Fill of 23010	Blackish-grey silty clay	0.10m thick	-
23010	Posthole	Sub-circular posthole with wide U-shaped profile and concave base	0.40m wide 0.20m deep	-
23011	Furrows	3 x furrows aligned NE-SW	Unexcavated	-

Trench No	Alignment, Length & width		Surface height	Height of natural
24	NE-SW 50mx1.8m		9.46m aOD	9.12m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
24001	Topsoil	Mid to dark grey-brown clay loam	0.28m thick	-
24002	Subsoil	Mid yellow-grey-brown clayey silt	0.06m thick	-
24003	Natural	Light grey clay silt with chalk inclusions, patches of orange-brown sandy clay and gravels	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
25	NW-SE 50mx1.8m		9.49m aOD	9.11m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
25001	Topsoil	Mid to dark grey-brown silty loam	0.25m thick	-
25002	Subsoil	Mid yellow-brown clayey silt, moderate	0.13m thick	-

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		rounded stones		
25003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
25004	Fill of 25005	Light grey-brown mixed with grey-brown-black silty clay. Charcoal flecks	0.13m thick	-
25005	Posthole	Circular posthole with wide U-shaped profile and concave base	0.18m wide 0.13m deep	-
25006	25007	Light grey-brown and black silty clay with charcoal flecks	0.18m thick	-
25007	Posthole	Circular posthole with wide U-shaped profile and concave base	0.18m wide 0.18m deep	-
25008	25009	Light grey-brown and black silty clay with charcoal flecks	0.08m thick	-
25009	Pit	Sub-circular pit aligned SE-NW with wide U-shaped profile and concave base	0.30m wide 0.08m deep	-
25010	25011	Light grey to mid grey-brown with black and reddish mixed sandy silty clay	0.16m thick	-
25011	Gully	Linear gully aligned ENE-WSW with wide U-shaped profile and concave base	0.55m wide 0.16m deep	-
25012	Furrows	Five furrows aligned NE-SW	Up to 2m wide	-

Trench No	Alignment, Length & width		Surface height	Height of natural
26	NE-SW 50mx1.8m		8.91m aOD	8.49m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
26001	Topsoil	Mid to dark grey-brown silty loam	0.32m thick	-
26002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.10m thick	-
26003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
26004	Furrows	2 furrows aligned NE-SW	Unexcavated	-

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Trench No	Alignment, Length & width		Surface height	Height of natural
27	NW-SE 50mx1.8m		8.92m aOD	8.54m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
27001	Topsoil	Mid to dark grey-brown silty loam	0.27m thick	-
27002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.09m thick	-
27003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
27004	Furrow	Four furrows aligned NE-SW	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
28	NE-SW 50mx1.8m		8.96m aOD	9.55m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
28001	Topsoil	Mid to dark grey-brown silty loam	0.21m thick	-
28002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.20m thick	-
28003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
28004	Fill of 28005	Grey-brown with reddish-brown mottling sandy silt with rare stones	0.12m thick	-
28005	Gully	Linear gully aligned E-W with shallow wide profile and concave base	0.65m wide 0.12m deep	

Trench No	Alignment, Length & width		Surface height	Height of natural
29	NW-SE 50mx1.8m		9.66m aOD	9.30m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
29001	Topsoil	Mid to dark grey-brown silty loam	0.27m thick	-
29002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.09m thick	-

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29003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
29004	Fill of 29005	Mid brown silty clay with occasional pebbles	0.10m deep	-
29005	Furrow	Linear furrow aligned NE-SW with wide shallow profile and slightly concave base	1.50m wide 0.10m deep	-
29006	Furrows	Furrows x2 aligned NE-SW	Not excavated	-

Trench No	Alignment, Length & width		Surface height	Height of natural
30	NE-SW 50mx1.8m		9.11m aOD	8.81m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
30001	Topsoil	Mid to dark grey-brown silty loam	0.23m thick	-
30002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.07m thick	-
30003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
30004	Fill of 30005	Mid grey-brown silty clay with occasional small stones	0.14m thick	-
30005	Pit	Oval shaped pit aligned NE-SW with gently sloping sides	1.36m wide 0.14m deep	-
30006	Furrow	Linear furrow aligned NE-SW	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
31	NW-SE 50mx1.8m		8.83m aOD	8.48m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/Samples</i>
31001	Topsoil	Mid to dark grey-brown silty loam	0.24m thick	-
31002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.11m thick	-
31003	Natural	Light brown silty clay with orange-brown clayey silt patches containing manganese	-	-
31004	Furrows	2 x furrows aligned NE-SW	-	-

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Trench No	Alignment, Length & width		Surface height	Height of natural
32	NE-SW 50mx1.8m		8.43m aOD	8.02m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
32001	Topsoil	Mid to dark grey-brown silty loam	0.26m thick	-
32002	Subsoil	Mid yellow-brown silty clay	0.15m thick	-
32003	Natural	Yellow-brown silty clay with patches of small stones	-	-
32004	Furrow	Furrow aligned NE-SW	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
33	NW-SE 50mx1.8m		8.33m aOD	7.87m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
33001	Topsoil	Mid to dark grey-brown silty loam	0.30m thick	-
33002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.16m thick	-
33003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
33004	Furrows	5 x furrows aligned NE-SW	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
34	NE-SW 50mx1.8m		8.08m aOD	7.41m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
34001	Topsoil	Mid to dark grey-brown silty loam	0.28m thick	-
34002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.39m thick	-
34003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
35	NW-SE 50mx1.8m		8.00m aOD	7.60m aOD

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<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
35001	Topsoil	Mid to dark grey-brown silty loam	0.20m thick	-
35002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.20m thick	-
35003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
35004	Furrows	3 x furrows aligned NE-SW	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
36	NE-SW 50mx1.8m		8.39m aOD	8.02m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
36001	Topsoil	Mid to dark grey-brown silty clay loam	0.30m thick	-
36002	Subsoil	Mid yellow-brown silty clay,	0.07m thick	-
36003	Natural	Yellow-brown clay silt with frequent small stones	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
37	NW-SE 50mx1.8m		8.49m aOD	8.23m aOD
<i>Context</i>	<i>Context type</i>	<i>Description</i>	<i>Dimensions</i>	<i>Artefacts/ Samples</i>
37001	Topsoil	Mid to dark grey-brown silty clay loam	0.18m thick	-
37002	Subsoil	Mid grey-brown silty, clay	0.08m thick	-
37003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
37004	Fill of 37005	Mid yellow-brown silty clay, rare sub-angular stones	0.10m thick	-
37005	Furrow	Linear furrow aligned NE-SW with wide shallow profile and undulating base	1.50m wide 0.10m deep	-
37006	Fill of 37007	Void	-	-
37007	Furrow	Void	-	-
37008	Fill of 37010	Mid grey-brown silty clay	0.05m thick	-
37009	Fill of 37010	Mid grey-brown silty clay	0.12m thick	-

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37010	Furrow	Linear furrow aligned NE-SW with wide shallow profile and mostly flat base	2.20m wide 0.17m deep	-
37011	Furrows	4 furrows aligned NE-SW	unexcavated	-

Trench No	Alignment, Length & width		Surface height	Height of natural
38	NE-SW 50mx1.8m		8.54m aOD	8.13m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
38001	Topsoil	Mid to dark grey-brown silty loam	0.30m thick	-
38002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.11m thick	-
38003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
39	NW-SE 50mx1.8m		8.21m aOD	7.69m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
39001	Topsoil	Mid to dark grey-brown silty loam	0.26m thick	-
39002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.26m thick	-
39003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-
39004	Fill of 39006	Dark grey-brown silty clay with very rare charcoal flecks	0.10m thick	-
39005	Fill of 39006	Mid yellow-brown silty clay with frequent stones and occasional charcoal flecks	0.15m thick	-
39006	Pit	Sub-circular pit/posthole with shallow wide profile and concave base	0.65m long 0.55m wide 0.15m deep	-
39007	Fill of 39009	Grey-brown friable clayey-silt with frequent charcoal flecks	0.15m thick	-

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39008	Fill of 39009	Light grey-brown/ yellow-brown clayey silt with occasional charcoal flecks	0.16m thick	-
39009	Pit	Sub-circular pit with moderately steep sides and concave base	0.6m wide 0.16m deep	-
39010	Fill of 39011	Dark grey-brown clayey silt with occasional charcoal flecks	0.15m thick	-
39011	Pit	Sub-circular pit moderately steep sloping sides and concave base	0.40m wide 0.15m deep	-
39012	Fill of 39013	Mid to dark grey-brown clayey silt with rare charcoal flecks	0.15m thick	-
39013	Pit	Sub-circular pit with moderately steep sides and concave base	0.15m thick	-
39014	5 furrows	Five linear furrows aligned NE-SW	Unexcavated	-

Trench No	Alignment, Length & width		Surface height	Height of natural
40	NE-SW 50mx1.8m		7.98m aOD	7.34m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
40001	Topsoil	Dark brown silty clay	0.34m thick	-
40002	Subsoil	Mid yellow-brown silty clayey sand	0.30m thick	-
40003	Natural	orange-brown silty clay and blue-grey clay with frequent sandy patches and limestone	-	-

Trench No	Alignment, Length & width		Surface height	Height of natural
41	NW-SE 50mx1.8m		7.96m aOD	7.43m aOD
Context	Context type	Description	Dimensions	Artefacts/ Samples
41001	Topsoil	Mid to dark grey-brown silty loam	0.30m thick	-
41002	Subsoil	Mid yellow-brown clayey silt, moderate rounded stones	0.23m thick	-
41003	Natural	Yellow-brown clay silt with frequent small stones and patches of chalk	-	-

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41004	Layer	Thin layer of yellow-brown clayey silt, occasional brick fragment. Possible deposit from dyke cleaning	0.02m thick	-
41005	Fill of 41006	Mid greyish yellow-brown silty clay	0.1m thick	-
41006	Pit	Circular pit with gently sloping sides and slightly concave base	>0.54m wide 0.1m deep	-
41007	Fill of 41008	Mid grey-brown silty clay with rare stones	0.32m thick	-
41008	Furrow	Linear furrow aligned NE-SW with wide U-shaped profile and flat base	2.3m wide 0.32m deep	-
41009	Furrows	2 x furrows aligned NE-SW	Unexcavated	-



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