Land Adjacent to Kiln Lane, Elmswell, Suffolk



Archaeological Evaluation Report



May 2012

Client: VOSA

OA East Report No: 1364 OASIS No: oxfordar3-124116

NGR: TL 976 632



Report Number: 1364

Site Name: Land Adjacent to Kiln Lane, Elmswell, Suffolk

HER Event No: EWL029

Date of Works: April 2012

Client Name: VOSA

Client Ref: EWL029

Planning Ref: Mid Suffolk District Council (3512/10)

Grid Ref: TL 976 632

Site Code: EWL029

Finance Code: XSFELM12

Receiving Body: Suffolk Museums

Accession No: EWL029

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Date: April 2012

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Position: Senior Project Manager

Date: May 2012

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Signed:

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Land Adjacent to Kiln Lane, Elmswell, Suffolk

Archaeological Evaluation

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Report Date: May 2012

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Table of Contents

S	ummary		5
1	Introduc	tion	7
	1.1	Location and scope of work	7
	1.2	Geology and topography	7
	1.3	Archaeological and historical background	7
	1.4	Acknowledgements	8
2	Aims an	d Methodology	9
	2.1	Aims	9
	2.2	Methodology	9
3	Results.		10
	3.1	Introduction	10
	3.2	Trench Descriptions	10
	3.3	Features Encountered	10
	3.4	Finds Summary	10
	3.5	Environmental Summary	10
4	Discuss	ion and Conclusions	11
	4.1	Conclusions	11
	4.2	Significance	11
	4.3	Recommendations	11
Α	ppendix /	A. Trench Descriptions and Context Inventory	12
Α	ppendix I	B. Bibliography	15
Δ	nnendiy (C OASIS Report Form	16



List of Figures

Fig. 1 Site location map

Fig. 2 Trench Layout and Height Data (levels in metres OD)

List of Plates

Plate 1 Working shot of site looking north

Plate 2 Working shot of site looking south-east

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Summary

On 23rd April 2012, Oxford Archaeology East carried out an archaeological evaluation on land adjacent to Kiln Lane, Elmswell, Suffolk. This took the form of five 40m x 1.8m trenches and four 20m x 1.8m trenches across the proposed development area. One shallow linear ditch was revealed running north-to-south across the site; no artefacts were recovered from this feature which is likely to be post-medieval, or the subsoil and topsoil extending across the site.

The evaluation has demonstrated that no archaeological deposits or artefacts are present on this site.

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1 Introduction

1.1 Location and scope of work

- 1.1.1 An archaeological evaluation was conducted at land adjacent to Kiln Lane, Elmswell, Suffolk on the 23rd April 2012.
- 1.1.2 This archaeological evaluation was undertaken in accordance with a Brief and Specification issued by Sarah Poppy of Suffolk County Council Archaeological Service Conservation Team (SCCAS/CT; Planning Application: Mid Suffolk District Council 3512/10), supplemented by a Written Scheme of Investigation prepared by Mott MacDonald.
- 1.1.3 The work was designed to assist in defining the character and extent of any archaeological remains within the proposed development area, in accordance with the guidelines set out in *Planning Policy Statement 5: Planning for the Historic Environment* (Department for Communities and Local Government 2010). The results will enable decisions to be made by Suffolk County Council, on behalf of the Local Planning Authority, with regard to the treatment of any archaeological remains found (since the production of the WSI, PPS5 has been replaced by NPPF).
- 1.1.4 The site archive is currently held by OA East and will be deposited with the appropriate county stores in due course.

1.2 Geology and topography

- 1.2.1 The site lies to the north of the A14 at junction 47 with the A1088, in the parish of Elmswell (Fig. 1). It comprises an undeveloped parcel of land within a loop of the A1088 leading to a flyover across the A14. The site is flat in the eastern and central parts at approximately 50m above ordnance datum. The western part of the site slopes up towards the A1088 and flyover.
- 1.2.2 The underlying geology of the proposed development site comprises bedrock of chalk, overlain by superficial Head deposits of clay, silt, sand and gravel (British Geological Survey; Geology of Britain Viewer at a scale of 1:50000 (http://maps.bgs.ac.uk/geologyviewer_google/googleviewer.html).

1.3 Archaeological and historical background

- 1.3.1 The following section reproduces information sourced from the Archaeological Written Scheme of Investigation by Mott MacDonald (Adams 2011).
- 1.3.2 The earliest human activity identified within 1km of the site comprises findspots of Bronze Age date (EWL014 and WPR 016) and are likely to represent chance losses, there is no evidence of organised settlement in the area at this time. Similarly the only Iron Age evidence comprises a La Tene bow brooch and cupheaded pin fragment (EWL 019). A small number of residual prehistoric flints were discovered within ditches tentatively dated to the Roman period (EWL 013).
- 1.3.3 The Roman road from Bildesten to Ixworth is likely to have crossed Woolpit village on a slightly south-east to north-west alignment (Margary 1973) therefore bypassing Elmswell. The site is located just to the north of the projected route of the Roman road. Evidence of Roman activity has been identified to the north of the site and includes



various pottery scatters, coins and other items lost accidentally (EWL 014, EWL 001,EWL 005, EWL 025 and WPT 015). A Roman pottery kiln was identified to the north-east of the site (EWL003) and therefore is more indicative of settlement activity. Three ditches, tentatively dated to the Roman period were identified at a site to the north-east, possibly associated with Roman agricultural practices (EWL 013).

- 1.3.4 A Late Saxon brooch comprises the only recorded find of that date within 1km of the site (EWL 010). The name of Elmswell probably derives from the Old English Elmswella meaning 'Spring or Stream where elms grow' and thus indicating a Late Saxon origin for the village. The village is recorded in the Domesday Survey of 1086 with 40 households, one church (EWL 007) and held by the Abbey of Bury St Edmunds (Rumble 1986).
- 1.3.5 A variety of medieval finds have been identified through various archaeological surveys including metal detecting and watching briefs (EWL 010, EWL 014 and EWL 021). A rabbit warren was established at Elmswell by the Abbot of Bury St Edmunds during the medieval period, though its exact location is unknown (Bailey 1988).
- 1.3.6 The railway line between Bury St Edmunds and Ipswich was constructed during the middle of the 19th century and brought investment and development to Elmswell. The 19th century maps indicate that the northern area of the site was prone to flooding due to its location close to the Black Bourne. The Cross Ways is a listed early 19th century farmhouse to the south-east of the site (LBS 1032471) and it is clear that throughout recent history the site has remained pasture/arable farmland. The 1884 Ordnance Survey shows a road (later called Earthfield Lane) running through the southern part of the site. This road forms a cross-road junction at the Cross Ways farm with a second road which ran north-east to south-east. No change is recorded until the early 1970s when the boundary around the small field or paddock in the western area of the site was removed, concurrently with the A45 (now A14) being constructed to the south. By 1981 the A1088 and its roundabout are constructed and Earthfield Lane is cut off, though access points to the field remain at the former junctions
- 1.3.7 Earthfield Lane is visible as a cropmark on current aerial photography, as are the former field boundaries.
- 1.3.8 A search of past Ordnance Survey maps of the site at http://old-maps.co.uk was carried out to determine the more recent use of the site. It was determined that the area encompassing the site was divided into small fields or paddocks in as far back as 1884.

1.4 Acknowledgements

1.4.1 The Author would like to thank Ian Watkins of VOSA and Phillippa Adams of Mott MacDonald who respectively commissioned and monitored the project, Mike Green who assisted in the excavation of the site and Richard Mortimer the Project Manager at OA East. Sarah Poppy monitored the works on behalf of Suffolk County Council. The Author would also like to thank Dave Brown for conducting the survey and illustrations.

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2 AIMS AND METHODOLOGY

2.1 Aims

2.1.1 The objective of this evaluation was to determine as far as reasonably possible the presence/absence, location, nature, extent, date, quality, condition and significance of any surviving archaeological deposits within the development area.

2.2 Methodology

- 2.2.1 The Brief required a programme of linear trial trenching to adequately sample the area to conform with the aims of the investigation. This comprised five 40m x 1.8m wide trenches and four 20m x 1.8m wide trenches.
- 2.2.2 Machine excavation was carried out under constant archaeological supervision with a wheeled JCB-type excavator using a toothless ditching bucket.
- 2.2.3 The site survey was carried out using a Leica GPS 1200.
- 2.2.4 Spoil, exposed surfaces and features were scanned with a metal detector. All metaldetected and hand-collected finds were retained for inspection, other than those which were obviously modern.
- 2.2.5 All archaeological features and deposits were recorded using OA East's *pro-forma* sheets. Trench locations, plans and sections were recorded at appropriate scales and colour and monochrome photographs were taken of all relevant features and deposits.
- 2.2.6 No features or layers were encountered that had potential for environmental sampling.
- 2.2.7 The site conditions were good with fair weather. The trial trenches were located within a grassed area.

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3 Results

3.1 Introduction

3.1.1 Descriptions of the ground conditions encountered, features identified and artefacts recovered are given in this section, full descriptions with dimensions are given in Appendix A, with locations and surface levels above ordnance datum given in Figure 2. Photographs showing the general site conditions are included in Plates 1 and 2.

3.2 Trench Descriptions

- 3.2.1 Excavation of the trenches revealed varying deposits across the proposed development area.
- 3.2.2 The natural Head deposits (3) were encountered in Trench 4, the south eastern half of Trench 5 and in Trenches 6 to 9 at a depth of between 0.3m and 0.6m below ground level. These deposits comprised loose orange and pale grey silty sand and flint gravel.
- 3.2.3 Made ground (4) was encountered at the base of Trenches 1, 2, 3 and the north western half of Trench 5. The made ground comprised of firm orange, brown and grey sandy clay with some wood, brick and tarmac fragments.
- 3.2.4 The natural deposits in Trenches 7, 8 and 9 were overlain by a subsoil (2) comprising compact light brown sandy silt with rare flint gravel between 0.2m and 0.3m thick.
- 3.2.5 In all trenches these deposits were overlain by topsoil (1) comprising mid brown sandy silt between 0.3m and 0.6m thick.

3.3 Features Encountered

3.3.1 A ditch **5** was encountered at the south eastern end of trench 6. The ditch comprised a shallow linear cut with a U shaped profile (1m wide by 0.45m deep) running north to south. The fill (6) consisted of mid brown sandy silt with occasional flint gravel. This feature was sealed by the overlying topsoil.

3.4 Finds Summary

3.4.1 No artefacts were recovered from the features encountered or the excavated subsoil and topsoil excavated during trenching. No metal detected finds other than those of a clearly modern date were recovered.

3.5 Environmental Summary

3.5.1 No deposits were identified with potential for environmental sampling.

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4 DISCUSSION AND CONCLUSIONS

4.1 Conclusions

- 4.1.1 The ditch identified at the south east end of Trench 6 probably represents a post-medieval field or paddock boundary identified in the archaeological and historical background (as described in section 1.3.6 and 1.3.8).
- 4.1.2 There is evidence of much disturbance to the natural ground levels across the site due to the recent construction of the surrounding road junction and flyover. There is a significant build up of made ground, rising from east to west, in the western part of the site to accommodate the flyover. This gives a maximum thickness to the made ground at the western end of site of approximately 3.5m. The central part of the site lacks the subsoil shown to exist beneath the eastern part of the site indicating the land surface to have been further disturbed in this part of the site.

4.2 Significance

4.2.1 The evaluation at Land Adjacent to Kiln Lane, Elmswell, Suffolk has demonstrated that no archaeological deposits or artefacts are present on this site.

4.3 Recommendations

4.3.1 Recommendations for any future work based upon this report will be made by SCCAS.

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APPENDIX A. TRENCH DESCRIPTIONS AND CONTEXT INVENTORY

Trench 1							
General d	escription	1			Orientation	NE-SW	
			Avg. depth (m)	0.4			
Trench dev ground.	void of arc	haeology.	Width (m)	1.8			
ground.			Length (m)	20			
Contexts							
context no	type	Width (m)	Depth (m)	comment	finds	date	
1	Layer	-	0.4	Topsoil	-	-	
4	Layer	-	-	Made Ground	-	-	
Trench 2							
General d	escription	1			Orientation	E-W	
					Avg. depth (m)	0.4	
Trench dev ground.	void of arc	haeology.	Consists	of topsoil overlying made	Width (m)	1.8	
ground.					Length (m)	20	
Contexts					-	'	
context no	type	Width (m)	Depth (m)	comment	finds	date	
1	Layer	-	0.4	Topsoil	-	-	
4	Layer	_	-	Made Ground			
Trench 3							
General d	escription	1			Orientation	NW-SE	
					Avg. depth (m)	0.5	
Trench dev ground.	void of arc	haeology.	Consists	of topsoil overlying made	Width (m)	1.8	
ground.				Length (m)	40		
Contexts					- 1	ı	
context no	type	Width (m)	Depth (m)	comment	finds	date	
1	Layer	-	0.5	Topsoil	-	-	
4	Layer	_	_	Made Ground	_	_	

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Trench 4							
General de	scription				Orientation	SW-NE	
			Avg. depth (r	m) 0.45			
Trench dev deposits.	oid of arch	naeology.	Width (m)	1.8			
черозна.			Length (m)	40			
Contexts							
context no	type	Width (m)	Depth (m)	comment	finds date		
1	Layer	-	0.45	Topsoil			
3	Layer	-	-	Natural	-	-	
Trench 5							
General de	scription				Orientation	NW-SE	
_				Avg. depth (r	m) 0.3		
			of topsoil overlying made SE half of the trench.	Width (m)	1.8		
J. Ca. Ia III II		Length (m)	40				
Contexts							
context no	type	Width (m)	Depth (m)	comment	finds	date	
1	Layer	-	0.3	Topsoil	-	-	
3	Layer	-	-	Natural	-	-	
4	Layer	-	-	Made Ground	-	-	
Trench 6							
General de	scription				Orientation	E-W	
					Avg. depth (r	m) 0.3	
Consists of ditch at sou			atural dep	osits. One post-medieval	Width (m)	1.8	
altori at 300	itir cast cr	iu.			Length (m)	40	
Contexts					•	-	
context no	type	Width (m)	Depth (m)	comment	finds	date	
1	Layer	-	0.3	Topsoil	-	-	
3	Layer	-	-	Natural	-	-	
5	cut	1	0.45	ditch	-	post-medieval	

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Trench 7							
General de	escription				Orientation	SW-NE	
			Avg. depth	(m) 0.5			
Trench dev overlying a			Width (m)	1.8			
overlying a	natural ut	sposits.	Length (m)	40			
Contexts						,	
context no	type	Width (m)	Depth (m)	comment	finds date		
1	Layer	-	0.3	Topsoil	-	-	
2	Layer	-	0.2	Subsoil	-	-	
3	Layer	-	-	Natural	-	-	
Trench 8							
General de	escription	1			Orientation	SW-NE	
_		_	_		Avg. depth	(m) 0.5	
Trench dev overlying a			Consists	of topsoil and subsoil	Width (m)	1.8	
overlying a	riaturar ut	sposits.			Length (m)	20	
Contexts						,	
context no	type	Width (m)	Depth (m)	comment	finds	date	
1	Layer	-	0.3	Topsoil	-	-	
2	Layer	-	0.2	Subsoil	-	-	
3	Layer	-	-	Natural	-	-	
Trench 9	<u>'</u>	<u> </u>	<u>'</u>				
General de	escription	l			Orientation	NW-SE	
					Avg. depth	(m) 0.6	
Trench dev overlying a			Consists	of topsoil and subsoil	Width (m)	1.8	
overrying a	natulai Ut	ερυσίιο.			Length (m)	20	
Contexts					1	1	
context no	type	Width (m)	Depth (m)	comment	finds	date	
1	Layer	-	0.3	Topsoil	-	-	
2	Layer	-	0.3	Subsoil	-	-	
	_	-					

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APPENDIX B. BIBLIOGRAPHY

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Electronic Source

http://maps.bgs.ac.uk/geologyviewer_google/googleviewer.html http://old-maps.co.uk

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APPENDIX C. OASIS REPORT FORM

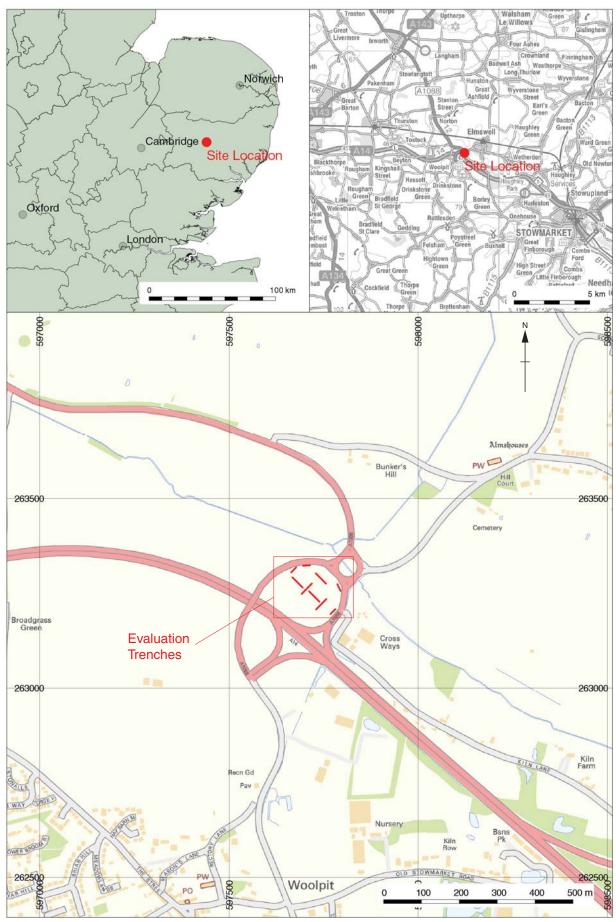
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Project De	etails										
OASIS Num	nber o	xfordar3-124116	}								
Project Name		rchaeological Ev	d Adjacen	t to Kiln La	ane, Elmsv	vell, S	uffolk				
Project Dates (fieldwork) Start			23-04-2012			Finish	23-0	23-04-2012			
Previous W	ork (by C	OA East)	No			Future	Wor	k Unk	nown		
Project Refe	erence C	Codes									
Site Code EWL029				ng App. No. 3512		3512/1	<u></u>				
HER No.	EWL029			Relate	ed HER/OASIS No.		lo.				
Type of Pro	iect/Tecl	hniques Use	d								
Prompt	,	_	Local Planning	g Authority	- PPS 5						
Developmen	nt Type	Service Infras	tructure								
Please sel	ect all t	techniques	used:								
Aerial Photo	ography - ir	nterpretation	Grab-Sa	mpling				Remo	te Operated \	/ehicle S	Survey
Aerial Photo	ography - n	iew	Gravity-0	Core	 ☐ Sam			Samp	nple Trenches		
Annotated S	Sketch		Laser Scanning				Survey/Recording Of Fabric/Structure				
Augering			☐ Measured Survey			X	▼ Targeted Trenches				
Dendrochro	onological S	Survey	Metal Detectors				☐ Test Pits				
	ry Search		Phospha	☐ Phosphate Survey					Topographic Survey		
Environmer	ntal Sampli	ng	☐ Photogrammetric Survey					☐ Vibro-core			
Fieldwalkin	g		Photogra	aphic Surv	еу			Visual	Inspection (I	nitial Site	e Visit)
Geophysica	al Survey		Rectified	l Photogra _l	phy						
List feature typ	es using th	Significant Fine NMR Monumentive periods. If n	ent Type Thesa	urus and s	ignificant				Object ty	pe The	esaurus
ditch		Post Med	dieval 1540 to 1	901					Select period		
		Select pe	eriod						Select period		
		Select pe	eriod						Select period		
Project L	ocatior	1									
County	Suffolk				Site Address (including postcode if possible)			e)			
District	Mid Suffo	olk			Land Adjacent to Kiln Lane Elmswell						
Parish	Elmswell				Suffolk						
HER	Suffolk M	luseums									
Study Area	1.5 ha			National Grid Reference TL 976 632							



Organisation Project Brief Originator Project Design Originator Project Manager		OA EAST								
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		P. Adams (Mott MacDonald								
		Richard N	Richard Mortimer (OA East) Graeme Clarke (OA East)							
Supervisor	Graeme (
Project Archi	ves									
Physical Archive			Digital A		Paper Arcl	nive				
na			Suffok Mu		Suffolk Muse	eums				
na			EWL029		EWL029					
Archive Content	ts/Media			1						
	Physical Contents	Digital Contents	Paper Contents	Digital Med	dia	Paper Media				
Animal Bones				☐ Database		Aerial Photos				
Ceramics				☐ GIS						
Environmental				Geophysics	s	Correspondence				
Glass						☐ Diary				
Human Bones					S	□ Drawing				
Industrial				☐ Moving Ima	age	Manuscript				
Leather				Spreadshe	ets	Map				
Metal				Survey		Matrices				
Stratigraphic				▼ Text		Microfilm				
Survey				☐ Virtual Rea	ality	Misc.				
Textiles						Research/Notes				
Wood						⊠ Photos				
Worked Bone										
Worked Stone/Lithic						⋉ Report				
None						Sections				
Other						⊠ Survey				

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Figure 1: Site location



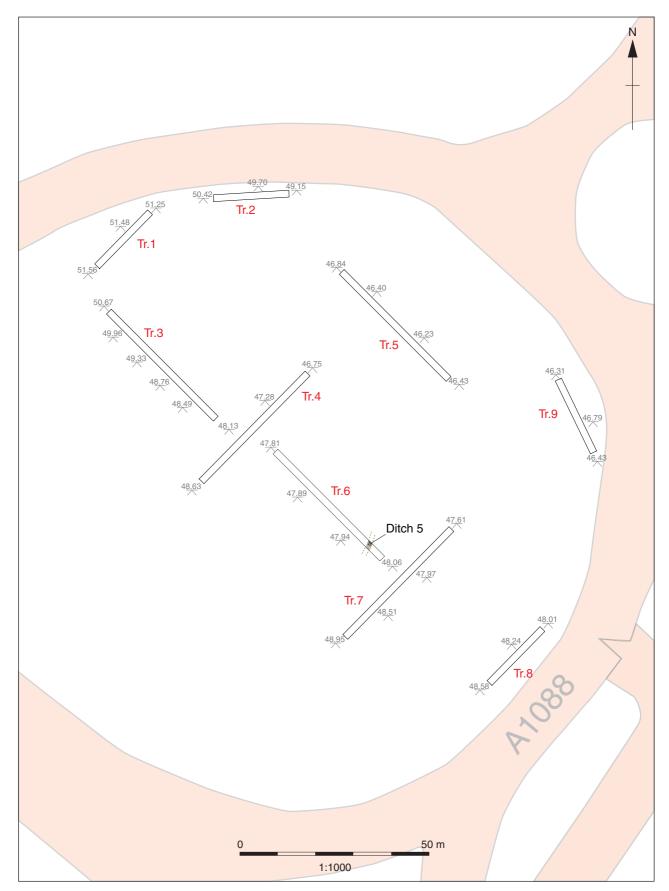


Figure 2: Trench layout and height data (levels in metres OD)

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Plate 1: Working shot of site looking north



Plate 2: Working shot of site looking south-east

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