Archaeological
Evaluation at Cherry
Hinton Junior School
Cambridgeshire



Archaeological Evaluation Report



March 2011

Client: Cambridgeshire County Council

OA East Report No: 1248 OASIS No: oxfordar3-94250

NGR: TL 493 568



Archaeological Evaluation at Cherry Hinton Junior School, Cambridgeshire

Archaeological Evaluation

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Report Date: March 2011

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Report Number: 1248

Site Name: Cherry Hinton Junior School

HER Event No: ECB 3425

Date of Works: February 2011

Client Name: Capita for Cambridgeshire County Council

Client Ref: n/a

Planning Ref: n/a

Grid Ref: TL 493 568

Site Code: CAM CHJ10

Finance Code: CAM CHJ10

Receiving Body: CCC Stores, Landbeach

Accession No: CAMCHJ 0

Prepared by: Nick Gilmour Position: Supervisor Date: March 2011

Checked by: Elizabeth Popescu
Position: Project Manager
Date: March 2011

Signed:

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Summary

Between 21st and 23rd February 2011, Oxford Archaeology East carried out an archaeological evaluation in the grounds of Cherry Hinton Junior School, Cambridgeshire. This was in advance of the construction of an extension to the school and a new all weather pitch. Three trenches were excavated, which revealed evidence of ridge and furrow cultivation, aligned perpendicular to Fulbourn Old Drift, reinforcing the idea that this represents an old droving route.

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1 Introduction

1.1 Location and Scope of Work

- 1.1.1 An archaeological evaluation was conducted at Cherry Hinton Junior School, Cambridgeshire.
- 1.1.2 This archaeological evaluation was undertaken in accordance with a Brief issued by Andy Thomas of Cambridgeshire County Council (CCC), supplemented by a Specification prepared by OA East.
- 1.1.3 The work was designed to assist in defining the character and extent of any archaeological remains within the proposed redevelopment 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 CCC, on behalf of the Local Planning Authority, with regard to the treatment of any archaeological remains found.
- 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 overlies the West Melbury Marly Chalk Formation c. 700m to the north of the spring line of the Tottenhoe Stone (BGS sheet 205).
- 1.2.2 The site lies immediately to the side of the Fulbourn Old Drift, (Fig. 1) an old (droving) road from Fulbourn (to the east) to the Cam (to the west). The Old Drift runs directly past the church of St Andrews, the presumed core of the Anglo-Saxon village. At the southern end of the village lies the springhead, a water source exploited since at least the Bronze Age.

1.3 Archaeological and Historical Background

Archaeology to the South

- 1.3.1 An Early Bronze Age barbed and tanged arrowhead (Cambridgeshire Historic Environment Record: CHER 04827) was found on the Netherhall Lower School site during the digging of Allotment Gardens, prior to the construction of the Lower School. Two disc or bell barrows (CHER 04964, 04965) were recorded during quarrying 140/180m from the War Ditches monument (see below)(CHER 04963a). Grooved ware and Beaker pottery was also recovered.
- 1.3.2 The Early Iron Age ringwork of War Ditches monument is located just over 1km to the south-southwest of the proposed development site. Identified first during quarrying in 1893 it was excavated most recently by OA East in 2009 (Pickstone and Mortimer forthcoming).
- 1.3.3 A Roman settlement was also recorded on the War Ditches site (CHER 04963b) dating to the 1st-2nd centuries AD. This included at least two buildings, a palisade and ditches, a well, pottery kiln, pits and burials. 'Celtic fields' are also recorded 460m to the south-east (CHER 04830). Roman pottery and a skeleton were also found to the west of War Ditches (CHER 05126, 05126a) during quarrying.
- 1.3.4 A small 6th/7th century Saxon cemetery (CHER 04965a) found at the War ditches site consisted of secondary inhumations within the Bronze Age barrows and contained a

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range of grave goods including spears, knives, iron and copper alloy objects, bone combs, pottery and a crystal ball mounted on bronze.

Archaeology to the North

- 1.3.5 Recent years have seen several archaeological interventions in the vicinity of the Church of St Andrews (Church End), including both evaluation trenching and full excavation.
- 1.3.6 Towards the west of the area at Church End (ECB 149 &1318), Romano-British and Middle Saxon occupation have been identified. In addition earlier findspots indicate the presence of Early Saxon furnished burials on the south side of Coldham's Lane (MCB 5583). Other Historical Environment Record (HER) entries within the immediate area include Roman pottery, ditches and wells (MCB 6282, MCB 5584, MCB 5868 and 5869).
- 1.3.7 Further to the east along the northern side of Church End, a range of remains include a Late Saxon and medieval settlement, perhaps originally based around a large enclosure containing a proto-manorial complex, and aligned with the ancient routeway from Church End/Hinton to Cambridge (known as The Old Drift). This central enclosure also included a Late Saxon church and graveyard, believed to have been abandoned by the 12th century (ECB 148). The later medieval occupation may have been centred on the existing parish church along with other elements of the known post-medieval village. In addition medieval wells containing several whole pots were recovered from the Coldham's Lane cement works in the 1950s, in a location without obvious properties of this date. The medieval occupation of Church End and Hinton is not completely understood and it is possible that the subject site includes other, yet to be identified, elements in the medieval settlement landscape of Cherry Hinton.

1.4 Acknowledgements

1.4.1 The author would like to thank Capita who commissioned the work on behalf of Cambridgeshire County Council. Particular thanks go to the school caretaker, Paul, for his assistance and interest on site. The project was managed by Richard Mortimer. Nick Gilmour carried out the fieldwork. The excavation was monitored for Cambridgeshire County Council by Andy Thomas. The mechanical excavator was provided by Lattenbury Services.

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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 that 85 linear metres of trenching were excavated. Machine excavation was carried out under constant archaeological supervision with a 7.5 ton rubber tracked 360° excavator using a toothless ditching bucket.
- 2.2.2 The site survey was carried out by Rachel Clarke using a Leica 1200 GPS.
- 2.2.3 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.
- 2.2.4 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.
- 2.2.5 Site conditions were not good, with frequent rain showers hampering the work. In addition a complex network of drainage pipes was encountered. This prevented the trenches being excavated in the locations originally planned.

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3 Results

3.1 Introduction

3.1.1 Details of each trench and context are given in Appendix A, while a summary is presented here. No finds were recovered from any of the features described below.

3.2 Trench 1

3.2.1 Trench 1 was located at the south-west of the area and ran on a north-west to southeast alignment (Fig. 2 and Plate 1).

Furrows 6 and 12

- 3.2.2 Two furrows were recoded in trench 1, both ran on the same north-east to south-west alignment. Furrow **6** had gently sloping sides and a flat base, with a maximum width of 1.02m and depth of 0.06m. It was filled by a mid greyish brown, silty clay (5).
- 3.2.3 Furrow **12** had gently sloping sides and a flat base, with a maximum width of 0.80m and depth of 0.04m. It was filled by a mid greyish brown, silty clay (11), which contained no finds.

Natural features 4, 8 and 10

- 3.2.4 A series of natural features, most likely tree bowls, were identified in this trench. These were concentrated towards the north-western end of the trench. They were generally irregular in plan, with undulating bases and diffuse edges.
- 3.2.5 Feature **4** was located right at the north-west end of the trench and continued out of the excavated area to the south-west. It had a maximum length of 2.90m, width of 0.70m and depth of 0.16m visible in the trench. It was filled by a dark brownish grey, silty clay (3), which contained no finds. Feature **4** cut ditch **6**.
- 3.2.6 Feature **8** was located to the south-east of feature **4** and continued out of the excavated area. It had a maximum length of 0.75m, width of 0.48m and depth of 0.18m visible in the trench. It was filled by a mid brownish grey, silty clay (7).
- 3.2.7 Feature **10** was sub-rectangular in plan, with a length of 1.10m, a width of 0.56m and a depth of 0.06m. It was filled by a mid greyish brown, silty clay (9).

3.3 Trench 2

3.3.1 There were three furrows identifies in this trench (Fig. 2 Plate 2). Two of these were excavated.

Furrows 14 and 16

- 3.3.2 Both of these furrows ran on the same north-east to south-west alignment as those identified in Trench 1 and are likely to be related to them. Furrow **14** had gently sloping sides and a flat base, with a width of 0.48m and a depth of 0.02m. It was filled by a mid greyish brown, silty clay (13).
- 3.3.3 Furrow **16** had gently sloping sides and a flat base, with a width of 0.56m and a depth of 0.08m. It was filled by 15, which had the same character as fill 13 described above.

3.4 Trench 3

3.4.1 There were two features recorded in Trench 3, a furrow and a possible ditch (Fig. 3).



Possible Ditch 18

3.4.2 Feature **18** ran on a north-north-east to south-south west alignment. It had gently sloping sides and a flat base, with a width of 0.82m and a depth of 0.08m. it was filled by a mid-pale greyish brown silty sand (17). It may represent a furrow, but appeared to be on a slightly different alignment than the others.

Furrow 20

3.4.3 Furrow **20** ran on the same north-east to south-west alignment as the furrows identified in Trenches 1 and 2. It had gently sloping sides and a flat base, with a width of 0.46m and a depth of 0.08m. It was filled by a mid greyish brown, silty sand (19).

3.5 Finds Summary

3.5.1 Two sherds of 19th century transfer printed ware were recovered from the subsoil in Trench 1. These were not retained. There were no other finds from the site.

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4 DISCUSSION AND CONCLUSIONS

4.1 Ridge and Furrow Cultivation

- 4.1.1 Furrows were identified across the site, running on a north-east to south-west alignment, perpendicular to the current line on Fulbourn Old Drift; the road adjacent to the site. These furrows are the remains of a ridge and furrow cultivations system, a largely medieval and post-medieval practice. In part these furrows are produced by primitive ploughing, although sometimes they were deliberately created to improve drainage or for other agricultural benefit.
- 4.1.2 It is of note that the furrows are all perpendicular to Fulbourn Old Drift, suggesting that the line of this route was in existence during the medieval period. Fulbourn Old Drift sits on a marked rise above the site and there was no evidence of truncation of the topsoil or subsoil in Trench 1, parallel to the route. This rise could represent a headland, or even a causeway built up on this route prior to the road's construction.

4.2 Significance

4.2.1 This evaluation has shown that this site was outside of any settlement area. However, the presence of ridge and furrow shows that this area was in use as agricultural land during the medieval or post-medieval period. The orientation of the furrows supports the notion that the line of Fulbourn Old Drift is at least medieval in origin.

4.3 Recommendations

4.3.1 Recommendations for any future work based upon this report will be made by the County Archaeology Office.

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APPENDIX A. TRENCH DESCRIPTIONS AND CONTEXT INVENTORY

Trench 1									
General	descrip	otion		Orientati	NW-SE				
					Max. depth (m) 0.64				
Trench c were rec					ree bowls, no artefacts	Width (m)	1.5	
WC10 100	overed		oc roatai	00.		Length (ı	n)	15.6	
Context	s							<u> </u>	
context no	type	Length (m)	Width (m)	Depth (m)	comment	finds		date	
1	Layer	-	-	0.34	Topsoil	-		-	
2	Layer	-	-	0.32	Subsoil	-		-	
3	Fill	>2.90	>0.70	0.16	Fill of tree bowl 4	-		-	
4	Cut	>2.90	>0.70	0.16	Tree bowl	-		-	
5	Fill	>1.50	1.02	0.06	Fill of furrow 6	-		-	
6	Cut	>1.50	1.02	0.06	Furrow	-	medieval	post-medieval	
7	Fill	>0.75	0.48	0.18	Fill of tree bowl 8	-		-	
8	Cut	>0.75	0.48	0.18	Tree bowl	-		-	
9	Fill	1.10	0.56	0.06	Fill of tree bowl 10	-		-	
10	Cut	1.10	0.56	0.06	Tree bowl	-		-	
11	Fill	>1.50	0.80	0.04	Fill of furrow 12	-		-	
12	Cut	>1.50	0.80	0.04	Furrow	-	medieval	post-medieval	

Trench 2									
General	descrip	otion		Orientatio	E-W				
				Max. dept	h (m)	0.62			
Trench c artefacts				nich were excavated, no	Width (m)		1.5		
artoracto	W01010	,0010100	monn an	3100.	Length (m	1)	21.2		
Context	s								
context no	type	Length (m)	Width (m)	Depth (m)	comment	finds	da	te	
1	Layer	-	-	0.34	Topsoil	-	-	•	
2	Layer	-	-	0.30	Subsoil	-	-	•	
13	Fill	>1.60	0.48	0.02	Fill of furrow 14	-	-		
14	Cut	>1.60	0.48	0.02	Furrow	-	medieval/ po	st-medieval	
15	Fill	>1.60	0.56	0.08	Fill of furrow 16	-	-	•	
16	Cut	>1.60	0.56	0.08	Furrow	-	medieval/ po	st-medieval	

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Trench 3									
General	descrip	otion		Orientatio	NW-SE				
					Max. dept	h (m)	0.62		
Trench c recovere			Width (m)	Width (m) 1.5					
10001010	a 110111 t		Length (m	1)	35.7				
Contexts									
context no	type	Length (m)	Width (m)	Depth (m)	comment	finds	da	te	
1	Layer	-	-	0.34	Topsoil	-	-	•	
2	Layer	-	-	0.28	Subsoil	-	-	•	
17	Fill	>1.50	0.82	0.08	Fill of furrow 18	-	-	•	
18	Cut	>1.50	0.82	0.08	Furrow	-	medieval/ po	st-medieva	
19	Fill	>1.50	0.45	0.08	Fill of possible ditch 20	-	-		
20	Cut	>1.50	0.45	0.08	Possible ditch	-	-		

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APPENDIX B. BIBLIOGRAPHY

Pickstone, A and Mortimer, R. forthcoming. War Ditches, Cherry Hinton: Revisiting an Iron Age Hillfort. Proceedings of the Cambridge Antiquarian Society.

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APPENDIX C. OASIS REPORT FORM

All fields are required unless they are not applicable.

Project De	etails										
OASIS Number oxfordar3-9			94250								
Project Nam	ne A	 Archaeolog	jical Ev	aluation at Che	erry Hintor	n Junior s	chool, Cam	bridg	eshire	}	
Project Date	es (fieldv	vork) Si	tart	21-02-2011			Finish	23-0	02-201	11	
Previous Wo	ork (by C	OA East)) [No			Future	Wor	'k No		
Project Refe	erence (Codes									
Site Code	CAMCHJ				Planni	ning App. No.					
HER No.	ECB 342	5			Relate	ed HER/	OASIS N	ο.	n/a		
Type of Proj	iect/Tec	hniques	s User	 d							
Prompt	,=			Local Planning	Authority و	y - PPS 5					
Developmen	t Type	Public E	Building	3							
Please sel	ect all	techniq	ques	used:							
Aerial Photo	ography - i	nterpretati	ion	Grab-Sar	mpling				Rem	ote Operated Vehicle S	urvey
Aerial Photo	ography - r	new		Gravity-C	Core						
Annotated S	Sketch			Laser Sc	anning			Survey/Recording Of Fabric/Structure			/Structure
Augering				Measured Survey			Targeted Trenches				
Dendrochro	nological	Survey		Metal Detectors				Test	Pits		
Documenta	ry Search			Phospha	☐ Phosphate Survey				☐ Topographic Survey		
Environmen	ntal Sampl	ing		Photogra	grammetric Survey						
Fieldwalking	g				hotographic Survey					e Visit)	
Geophysica	•				l Photogra			_		,	,
						-					
	es using th	he NMR M	/lonume	ent Type Thesau	urus and s	significan			MDA	A Object type The	saurus
together with th	neir respec	-) features/finds	were four	-		e".		Devied	
Monument			riod			Object				Period	
ridge and furro	W	Me	edieval	1066 to 1540					Select period		
		Se	elect per	riod					Select period		
		Se	elect per	riod]				Select period	
Project Lo	ocatio	n									
County	cambrido	geshire				Site Ac	dress (in	clud	ling p	ostcode if possible)
District cambridge city					Cherry hinton Junior School, Fulbourn Old drift, Cherry Hinton, CB1 9ND						
Parish Cambridge					Cherry	Hinton, Ce	ST 9N				
HER	Cambrid	geshire									
Study Area	a _{0.25ha}					Nation	al Grid Re	efer	ence	TL 493 568	



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rro	ject	ΟI	ୀପ	ını	ator	S

Project Brief Originator Andy		OA EAS	Γ						
		Andy Tho	Andy Thomas						
		Richard I	Richard Mortimer						
Project Manager		Richard I	Mortimer						
Supervisor		Nick Gilm	nour						
Project Archi	ves								
Physical Archive			Digital Arcl	Раре	er Archive				
N/A			OA East, Ba	ccc	stores				
Accession ID			CAM CHJ10	CAM	CHJ 10				
Archive Content	ts/Media								
	Physical Contents	Digital Contents	Paper Contents	Digital Media	Paper Media				
Animal Bones				☐ Database	Aerial Photos				
Ceramics				☐ GIS					
Environmental				Geophysics					
Glass					☐ Diary				
Human Bones					☐ Drawing				
Industrial				☐ Moving Image	Manuscript				
Leather				Spreadsheets					
Metal					Matrices				
Stratigraphic				▼ Text	Microfilm				
Survey				☐ Virtual Reality	Misc.				
Textiles					Research/Notes				
Wood									
Worked Bone									
Worked Stone/Lithic									
None	\boxtimes	\boxtimes	\boxtimes		⊠ Sections				



Drawing Conventions

F	rans
Development Area	
Limit of Excavation	
Break of Slope	
Illustrated Section	S.14
Archaeological Deposit	
Excavated Slot	
Natural Feature	
Subsoil	
Cut Number	118

Sections

Cut	
Deposit Horizon	
Top Surface/Top of Natural	
Limit of Section Drawing	
Cut Number	118
Deposit Number	117
Ordnance Datum	18.45m OD ⊼

Convention Key

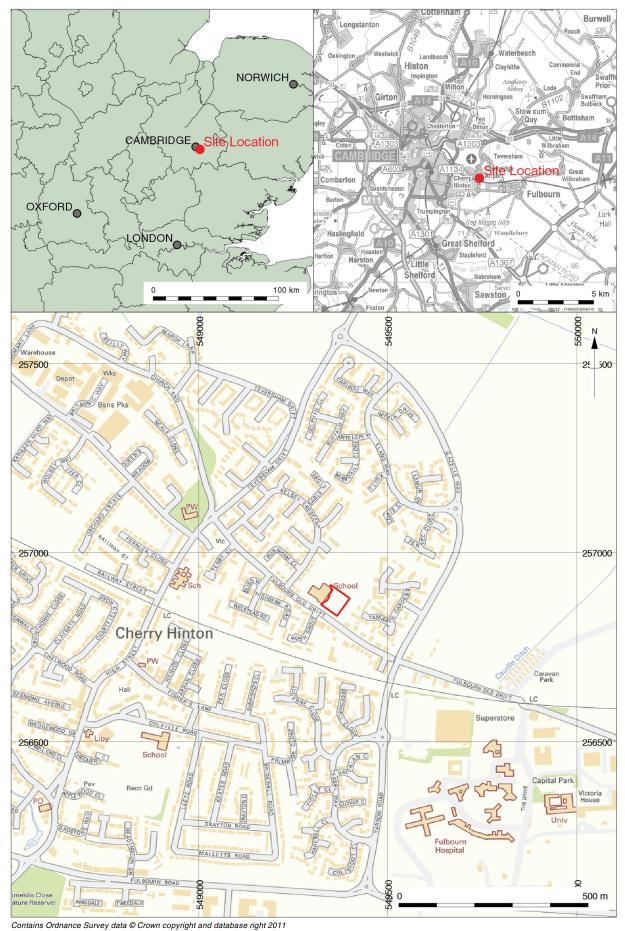


Figure 1: Site location with development area outlined red



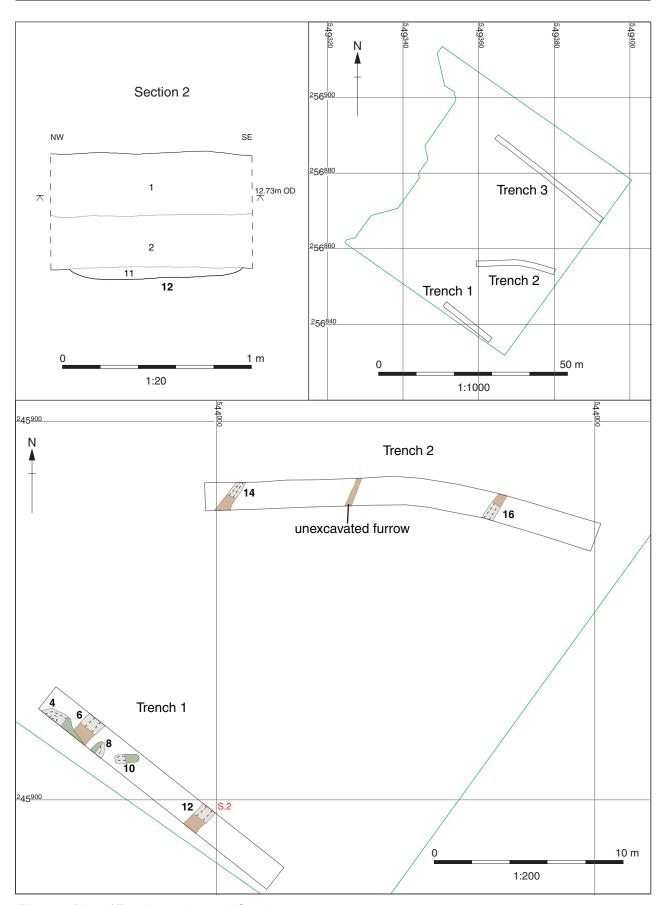
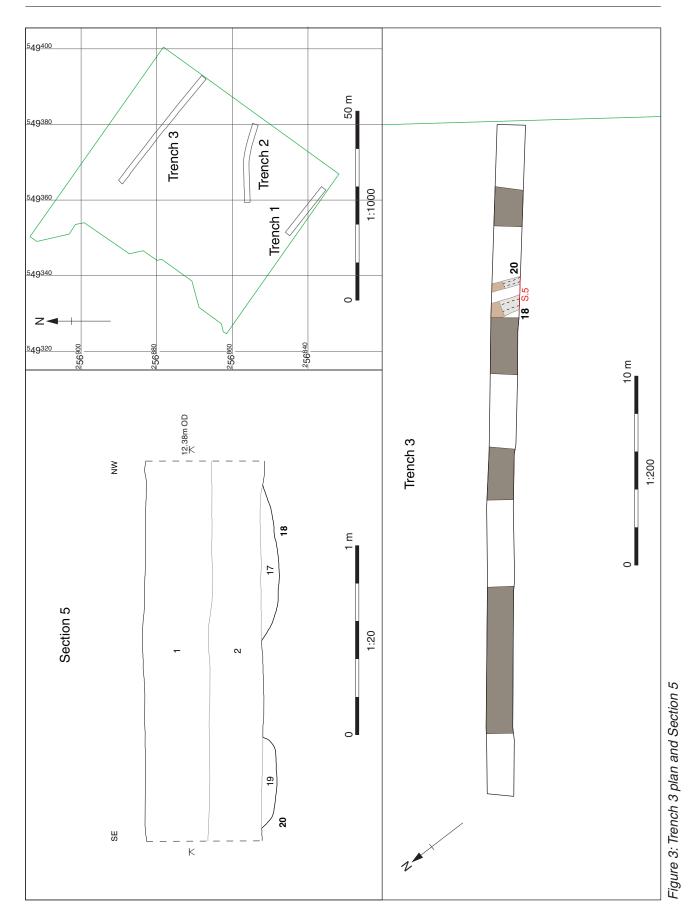


Figure 2: Plan of Trenches 1 & 2, and Section 2

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Plate 2: Trench 2 from the West



Plate 1: Trench 1 from the North-west

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