

HEATHER QUARRY

Archaeological Watching Brief

prepared by

NETWORK ARCHAEOLOGY LTD

for

GEOPLAN LTD

on behalf of

HANSON BUILDING PRODUCTS UK

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NON-TECHNICAL SUMMARY

An archaeological watching brief was undertaken during July-August 2005 at Heather Quarry in Leicestershire. The watching brief comprised the monitoring of topsoil removal over an initial area measuring 150m by 120m, oriented north-east to south-west. Other ground-disturbing activity included the observation of soil stripping along a haul road (measuring 900m by 14m) to the north and the creation of a topsoil bund adjacent to the site.

A desk based assessment (DBA) carried out in 2002 by John Samuels Archaeological Consultants indicated that the extraction area was of limited archaeological potential. However, the close proximity of the River Sence indicated a potential for early settlement dating from the Prehistoric period.

Archaeological remains exposed during the works were limited to three hedge/ditch boundaries (oriented east to west), three modern drainage features, a furrow and two undated ditches. The latter two features are probably post-medieval field boundaries oriented north to south and east to west respectively.

1 INTRODUCTION

This report presents the results of an archaeological watching brief undertaken during topsoil stripping of an extension to an existing quarry approximately 1km to the west of the village of Ibstock, Leicestershire (Figure 1).

1.1 Commissioning Bodies

The project was commissioned by Voaden Sandbrook Ltd, but was subsequently managed by Geoplan Ltd on behalf of Hanson Building Products UK. The archaeological contractor was Network Archaeology Ltd, a professional archaeological organisation which provides consultancy advice and undertakes field services.

1.2 The Development

The development took place in an area identified as a potential source of clay extraction for future brick production.

The extraction activities included the stripping of topsoil and subsoil, the extension of the existing haul road and associated bund, and the subsequent extraction of the underlying clays.

1.2.1 Topsoil stripping

Topsoil was stripped to subsoil level, across c.150m by 120m of the extraction area and 900m by 14m of the haul road by tracked 360° back-actor excavators fitted with toothless ditching buckets.

1.2.2 Subsoil stripping

Subsoil was stripped to reveal the natural drift geology and underlying depositions of clay by tracked 360° back-actor excavators fitted with toothless ditching buckets.

1.3 Legislation, Regulations and Guidance

An application for an extension of planning permission (planning app. refs. 2003/0697/07 and 2003/0513/04) was submitted, and permission for the development was granted by Leicestershire County Council on 13th August 2004, subject to the implementation of a programme of archaeological works in accordance with a written scheme of investigation approved by the Director of Community Services.

1.4 Previous Archaeological Investigation

Desk Based Assessment

John Samuels Archaeological Consultants conducted an archaeological desk-based assessment (Gadsby, 2002), coupled with a field reconnaissance and fieldwalking survey, in order to quantify and assess the known and potential archaeological resource of land to the south and west of the current extraction area, and adjoining the west side of a previous area of quarrying (Figure 2). The DBA showed that there were no Historic Environment Record (HER) listings within the development area itself, with the closest being 500-600m to the west of the site. Archaeological potential in the area was therefore deemed to be low, although it was recognised that there was potential for early settlement remains along the course of the River Sence.

Geophysical Survey

Due to the potential for early settlement shown by the desk-based assessment, a geophysical survey was commissioned by the client. This was undertaken along the eastern bank of the River Sence by Pre-Construct Geophysics in April 2005 (Bunn, 2005).

The survey area was located to the west of the main quarry site. An area approximately 1.1km by 100m was surveyed in five blocks (Fields 1-5), forming a narrow strip along the eastern bank of the River Sence.

The survey recorded a number of anomalies that were for the most part magnetically weak and discrete. These anomalies had the potential to possibly be archaeological, but were more likely to be natural deposits of mineral rich gravels, palaeochannels, land drains and buried services.

1.5 Aims

The aims of the watching brief were to:

- identify the location, extent and condition of any archaeological remains exposed by the works;
- ensure that suitable measures were taken with regard to the preservation or recording of any such remains, as appropriate; and
- inform on the likely nature and condition of archaeological evidence in the area for the reference of future development or research projects.

1.6 Terms of Reference

This report is intended for the clients Geoplan Ltd and Hanson Building Products UK. Copies will also be submitted to the Senior Planning Archaeologist, Leicestershire Council for their approval, and subsequently to the Leicestershire and Rutland Sites and Monuments Record for public access.

1.7 Resourcing

The extraction area was stripped in three phases during July and August 2005.

The project was overseen by a project manager. The watching brief was undertaken by one project supervisor over three visits on the 19th and 27th July and the 16th August 2005. The post excavation work was conducted in 2006 and 2007.

1.8 Limitations

1.8.1 Field work

Visibility of archaeological remains is always a significant factor during a watching brief. Visibility is dependent on many factors including machine type, depth of topsoil removal, weather and geology. As the depth of stripping was not under the direct control of the archaeologist, small patches of topsoil and/or colluvium obscured the natural substrate in some areas.

1.9 Report Structure

The report has been divided into four main parts.

Introductory section: explaining the background to the project and this stage of investigation.

Results: description of the archaeology revealed within the extraction area.

Conclusions: a synthesis of the extraction area and how it fits within the wider context of the landscape.

Appendix: two figures.

1.10 Fieldwork Procedures

1.10.1 Standards

All works conform to the Institute of Field Archaeologists' (IFA) *Code of Conduct* (1985, Revised September 2002), the IFA's *Code of Approved Practice for the Regulation of Contractual Arrangements in Field Archaeology* (1990, Revised September 2000), *Standard and Guidance for Archaeological Field Evaluation* (1994, Revised September 2001), *Standard and Guidance for Archaeological Watching Brief* (1994, Revised September 2001) and *Standard and Guidance for Archaeological Excavation* (1994, Revised September 2001). The work was managed in accordance with the methods and practice described in *The Management of Archaeological Projects, second edition* (English Heritage, 1991).

1.10.2 Topsoil and Subsoil Stripping

A watching brief was carried out as and when required by a suitably experienced archaeologist. This involved the visual inspection of freshly stripped areas and spoil-heaps for archaeological remains. Stripped areas were re-examined periodically, especially after rainfall and dry spells in order to look for any archaeological remains that had 'weathered out'.

1.10.3 Locating Archaeology

Features and boundaries were recorded by hand-held GPS instrument and also plotted onto a 1:4000 scale drawing of the extraction area.

1.11 Field Records

1.11.1 Project Code

The project code for the Heather Quarry watching brief is HEA05.

1.11.2 Written Records

A system of *pro forma* record sheets is normally used for on-site recording. This system, developed by Network Archaeology Ltd, is in a format acceptable to the IFA. Multi-context recording is used for all archaeological deposits and any significant natural deposits located during surface inspection.

1.11.3 Drawn Records

Drawn records took the form of two 1:4000 scale plans of the extraction area. The remains of features were also recorded in the form of sketch drawings on context record sheets.

1.11.4 Photographic Records

A photographic record was maintained in colour CD and contact prints.

1.12 Post-excavation Procedures

1.12.1 Consolidation of Archive

The archive has been consolidated in accordance with the standards set out in Appendix 3 of the Management of Archaeological Projects (MAP 2, Stage 2).

1.12.2 Finds Processing

No finds were retrieved from the watching brief.

1.13 Client report

1.13.1 Figures

Three figures are presented within this report. These comprise one A4 location map (Figure 1), an overall plan of the quarry area (Figure 2), and a more detailed view of the site outlining the extraction area in relation to the River Sence (Figure 3).

1.13.2 Publication

Dissemination of the results will be the final stage of work. This will be in the form of a note in the journal 'Transactions of the Leicestershire Historical and Archaeological Society' (c/o The Guildhall, Guildhall Lane, Leicester, LE1 5FQ).

1.13.3 Archive and Archive Deposition

The project archive has been prepared in accordance with the guidelines outlined in Management of Archaeological Projects (English Heritage 1991, Appendix 3). It is currently housed at the Lincolnshire office of Network Archaeology Ltd. The Historic and Natural Environment Team (Leicestershire County Council), Leicestershire and Rutland SMR and

Leicester museum will receive the document archive. A digital copy of the report will be uploaded to the OASIS (Online Access to the Index of archaeological investigationS) project's online library of unpublished fieldwork reports.

2 DESCRIPTION OF EXTRACTION AREA

2.1 Location and Topography

The quarry is located approximately 2km south-west of the village of Ibstock, and 1km south of Heather, in Leicestershire, centred on NGR SK 3915 0984. The site lies north of a sewage works and industrial plant, and east of the River Sence (Figures 1 and 2).

The existing quarry workings (ie. where clay has been previously extracted) form part of the eastern and southern portions of the quarry site, whilst the current extraction zone covers the western part of the site.

The site is generally c.100.6 to 101.1m AOD (above Ordnance Datum), reaching a maximum height of 103.5 AOD along the eastern bank of the River Sence. The land-use is arable agricultural land.

2.2 Composition of the Development Area

Although the current extraction area covers the western half of the quarry limits, only a small proportion of this area was quarried in 2005 (and is therefore the subject of this report). This 2005 extraction area was divided into a single block of land situated at the south end of the quarry: Area 1 measured c.150m by 120m (Figure 2). In addition, a 15m-wide haul road snaking along the entire length of the quarry was scheduled for monitoring.

2.3 Geology (Solid and Drift)

The solid geology is Permian and Triassic sandstones, undifferentiated including Bunter and Keuper (BGS 2006). The drift geology consists of glaciofluvial and river terrace sands and gravels derived from the River Sence (BGS 2006).

2.4 Soils and Land Use

The local soil is a well drained, coarse loam belonging to the Wick 1 Association (SSEW 1983) found locally over gravel. This soil is typically used to grow cereals as well as being used as pasture.

3 RESULTS

The watching brief identified the following archaeological remains:

- The Haul Road: Three field boundaries/hedge lines and a land drain.
- Area 1: Two ditches (one of early modern-modern date), a furrow and two land drains.

3.1 The Haul Road

Four features were observed during the monitoring of the stripping for the haul road leading to Areas 1. These included three field boundaries or removed hedge lines observed along the northern end of the haul road, which appear to relate to the existing field system. A land drain was also recorded.

3.2 Area 1

Ditches (003 and 007)

The most dominant feature on Area 1 was ditch 003. This modern ditch was visible along the majority of the length of Area 1, oriented south-west to north-east and running for approximately 90m. Ditch 003, which was 1.3m wide, was not excavated as it was observed to contain frequent slate, tile, brick, degraded wood and possible pieces of wax within dark brown orange mottled silty clay 004. Fragments of fine roots were also present within ditch 003 indicating that it may be the remains of a previous hedge line, removed and subsequently backfilled with debris. Ditch 003 was later cut by land drain 005.

Ditch 007 was located towards the north-east corner of Area 1, oriented north-west to south-east. Approximately 25m long and 1m wide, this feature appeared to feed into ditch 003, although no relationship could be seen between the two immediately before their apparent contact. Ditch 007 was filled by 008, dark grey brown silty clay with no datable artefacts.

Furrow 009

Approximately 8m to the north-east of ditch 007 were the remains of a possible furrow 009 that was oriented north-west to south-east and approximately 4m wide. This feature was situated in the extreme north-east corner of Area 1 and its projected course would have brought it into contact with ditch 003 although no relationship was visible due to the constraints of the excavated area. The upper fill of this unexcavated feature comprised 010, friable mid grey, brown silty sandy clay. No datable evidence was retrieved from this context.

Land Drains (005 and 006)

Situated to the west of ditch 003 were two land drains of probable modern date. Land drain 005 was approximately 30m in length and oriented north-west to south-east. This drainage feature appeared to truncate and feed into ditch 003 (as it did not appear to continue eastwards beyond the ditch).

Land drain 006 was oriented north-east to south-west and ran parallel to ditch 003, approximately 45m to the east.

4 DISCUSSION

Groundworks within stripped Area 1 and the haul road yielded a low density of archaeological remains. Recorded remains were probably of early modern date, relating to land drainage or land management.

The main feature in Area 1, ditch 003, appears to have acted as a possible drainage feature with at least one land drain (drain 005) contemporary with it.

5 CONCLUSIONS

The absence of any archaeological remains of significance reflects the previously undeveloped, agrarian nature of the area. The local area appears to have been poorly drained, with little other activity apart from land drainage and later coal mining towards the end of the 19th century.

Previous archaeological desk based investigations in the locality found a similarly low level of activity, with the nearest known archaeology being at least 600m beyond the River Sence to the west of the site. The results of this watching brief combined with the general lack of findings in the desk based study area would appear to confirm a very low density of archaeological remains, with as yet no evidence of earlier prehistoric remains that had previously been suggested.

6 ACKNOWLEDGEMENTS

Network Archaeology Ltd would like to thank the following for their contribution to the project:

Geoplan Ltd:

Martin Clayton

Hanson Building Products UK:

Martin Jones, Tim Gilbert (Fox Plant)

Leicestershire County Council:

Richard Clark

Network Archaeology Ltd:

Christopher Taylor Senior Project Manager

Mark Allen Project Manager

Julian Sleaf Project Supervisor/Author

Adam Holman GIS Figures

Catherine Holgate Editor

Rachel Gardener Editor

Charlotte Bentley/Dave Watt Illustrations

7 STATEMENT OF INDEMNITY

Every effort has been taken in the preparation and submission of this report in order to provide as complete an assessment as possible within the terms of the brief and all statements and opinions are offered in good faith. Network Archaeology Ltd cannot accept responsibility for errors of fact or opinion resulting from data supplied by any third party, or for any loss or other consequences arising from decisions or actions made upon the basis of facts or opinions expressed in this report and any supplementary papers, howsoever such facts and opinions may have been derived, or as a result of unforeseen and undiscovered sites or artefacts.

8 REFERENCES

Bunn, D. (2005), *Fluxgate Gradiometer Survey: Proposed Clay Extraction Site, Heather, Leicestershire*, unpublished client report, Pre-Construct Geophysics

Gadsby, M. (2002), *An Archaeological Desk-Based Assessment of Land at Heather, Ibstock, Leicestershire*. John Samuels Archaeological Consultants. REF: JSAC 983/02/01, unpublished client report.

APPENDIX A: CONTEXT SUMMARY

CTX	TYPE	DESCRIPTION	Fill of	INTERPRETATION	DATE
1	Layer	Dark orange/brown, firm silty clay, 0.4m thick.		Topsoil	Modern
2	Layer	Pale grey/orange, sandy, silty clay, with moderate inclusions of small to large pebbles.		Subsoil/Natural	
3	Cut	Linear feature in plan, 1.3m in width and oriented SW-NE for 90m.		Ditch	Post medieval?
4	Fill	Dark brown/orange mottled silty clay with occasional pebbles and frequent roots, CBM fragments.	3	Ditch fill	Post medieval?
5	Cut	Linear feature in plan, oriented NW-SE for 30m.		Land drain	Early modern
6	Cut	Linear feature in plan, oriented NE-SW for 60m.		Land drain	Early modern
7	Cut	Linear feature in plan, 1m in width and oriented NW-SE for 25m.		Ditch	Post medieval?
8	Fill	Dark grey/brown friable silty clay.	7	Ditch fill	Post medieval?
9	Cut	Linear in plan, 2-4m in width and oriented NW-SE for 20m.		Ditch/Furrow	Post medieval?
10	Fill	Mid grey/brown friable silty sandy clay.	9	Ditch/Furrow fill	Post medieval?

APPENDIX B: FIGURES 1-3



Figure 1: Location of Heather Quarry (scale: 1:250 000)

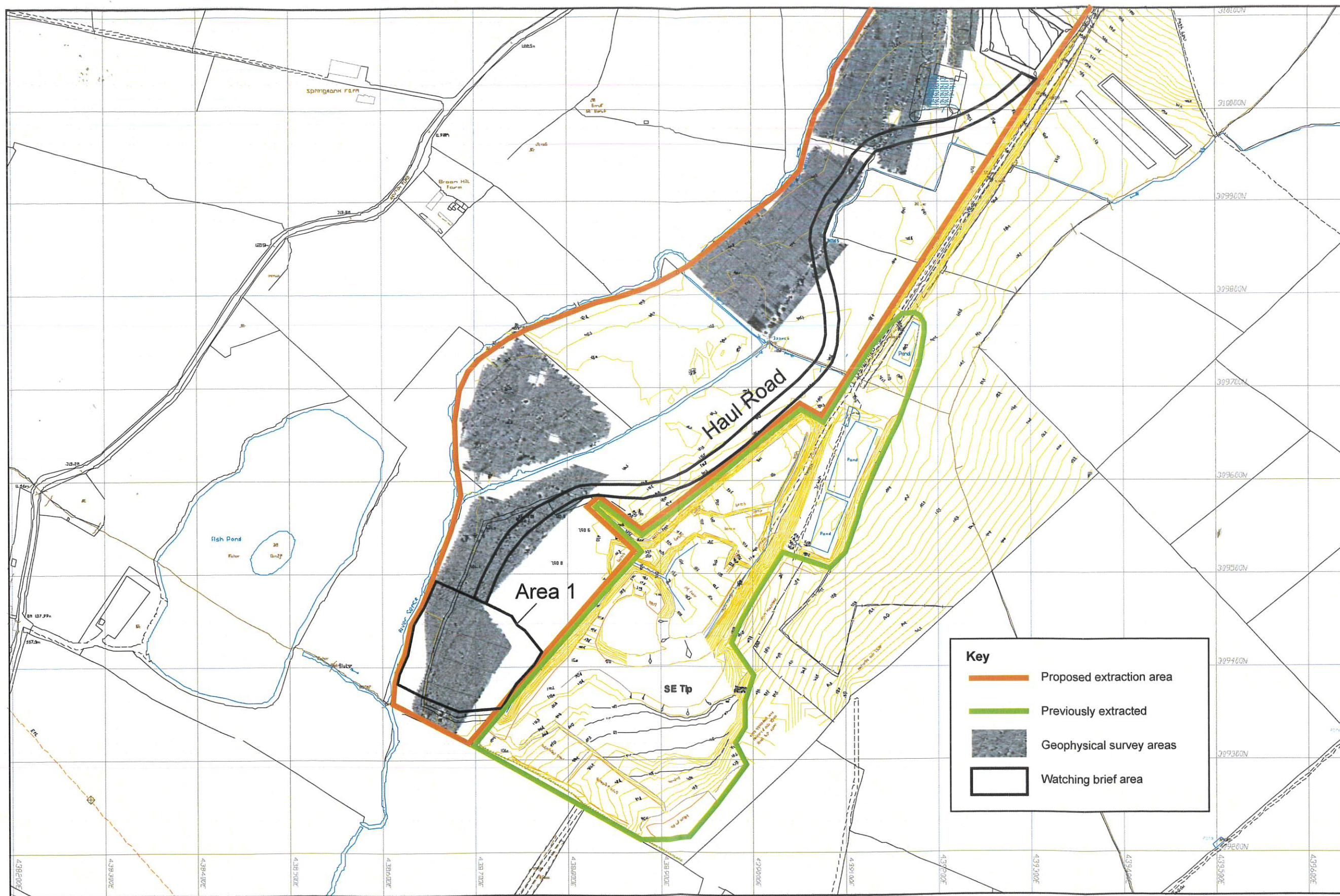


Figure 2: Quarry area showing location of geophysical survey and watching brief. (scale: 1:4000)

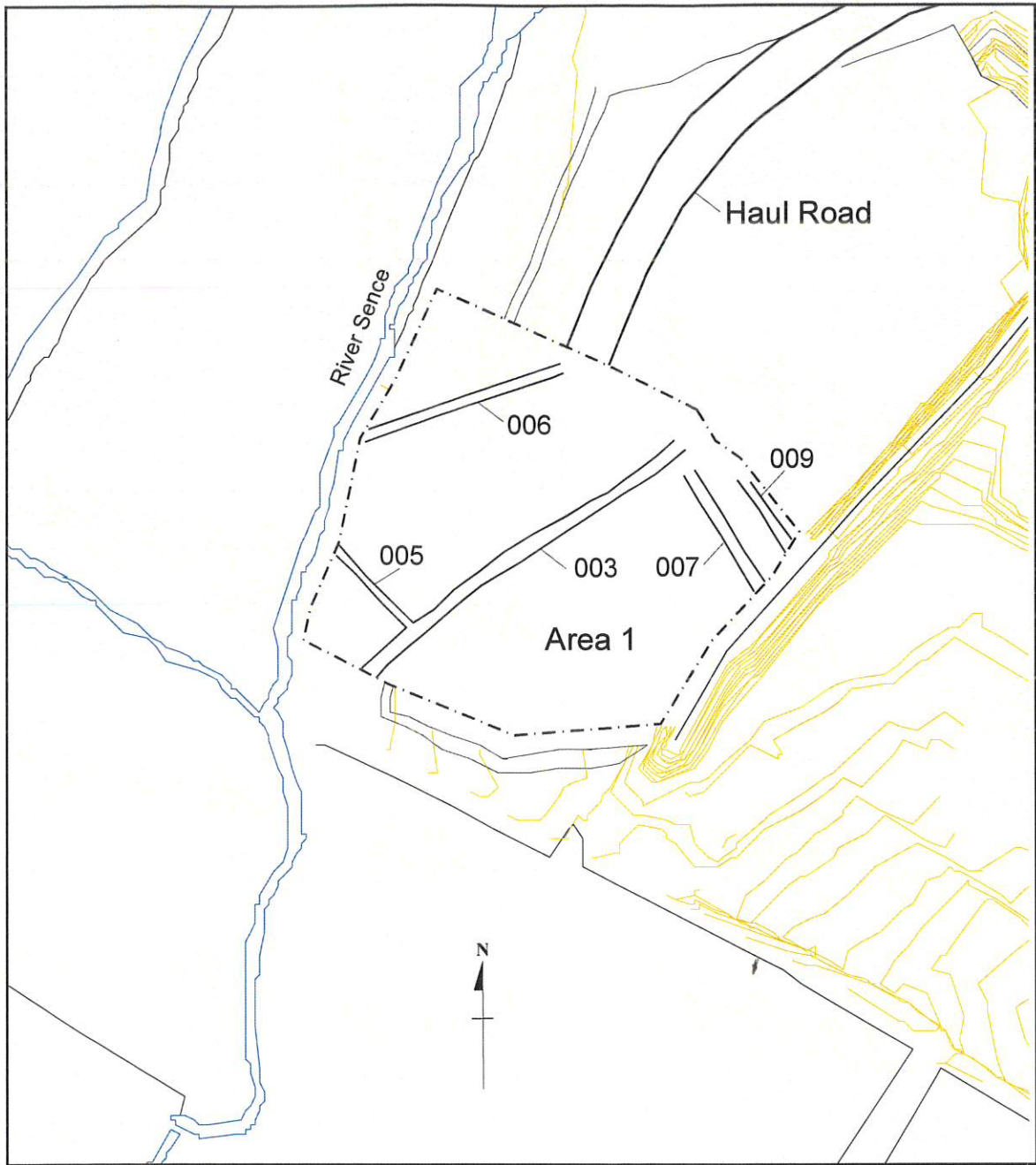



Figure 3: Detail of Quarry area (scale: 1:2000)

Project Code		Sub-Division			Sheet Completed	
Context	Context Type	Contains	Fill of	Sign Date	Site Chk	PostX Chk
001	LAYER	TOPSOIL	--	19/1/05		
002	LAYER	SUBSOIL	-	"		
003	CUT	DITCH (004)	-	"		
004	FILL	DITCH	803	"		
005	CUT	LANDRAIN	-	"		
006	CUT	"	-	"		
007	CUT	DITCH	-	27/1/05		
008	FILL	"	007	"		
009	CUT	DITCH/FURROW	-	"		
010	FILL	" "	009	"		
						

Project Code HEA		Subdivision AREA 1		Context 001	
Coords E	N	Plans	Section Drawings		
E	N				
Description MODERN TOPSOIL DARKISH ORANGE-BROWN CLAY LOAM FIRM UNIFORM L. V. FEW - OCCASIONAL PEBBLES h. 0.30-0.40m thick				<input type="checkbox"/> Cut 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other	
Sketches				<input type="checkbox"/> Deposit 1. Deposit type Fill <input type="checkbox"/> Layer <input checked="" type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other	
Interpretation 1. MODERN TOPSOIL 2.				Matrix (for cut and layers only)	
Supporting Evidence				Part of Group: <input type="checkbox"/>	
				Fill of: <input type="checkbox"/> Ref: <input type="checkbox"/>	
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>		Samples <input checked="" type="checkbox"/>		Excavated & Date BY MACHINE 18-19/7/05	
Special Finds		B&W <input checked="" type="checkbox"/>		Recorded & Date 18/19/7/05	
		Colour <input checked="" type="checkbox"/> 1 SAND 1-6		Site Chk <input type="checkbox"/> PostX Chk <input type="checkbox"/>	

↑
1ST PART
OF
FILM

Project Code HEA05	Subdivision Area 11	Context 002
Coords E N E N	Plans	Section Drawings
Description <hr/> <hr/> <p style="text-align: center;">PALE GREY brown ORANGE GREY, GREY-ORANGE</p> <p style="text-align: center;">SANDY OR SILTY CLAY, OR CLAY ← Iron</p> <p><small>small -</small> 4. LARGE PEBBLES (0.01-0.15m) OFTEN IN PATCHES, (5-50% density) + CONCENTRATIONS, + iron paning</p>		Cut <input type="checkbox"/> 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other
Sketches 		Deposit 1. Deposit type Fill <input type="checkbox"/> Layer <input checked="" type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other
Interpretation 1. SUBSOIL, NATURAL 2. weathered natural geology		Matrix (for cut and layers only)
Supporting Evidence <p>VARIABLE deposit:</p> <p>2 distinct types:</p> <p style="margin-left: 20px;"> (a) generally orange/brown sandy or silty clay with 5-20% pebbles on quarry side → </p> <p style="margin-left: 20px;"> (b) more mixed, generally greyish silty or sandy clay or silty sand, with larger pebbles closer to stream → </p>		Part of Group: Fill of: Ref:
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>	Samples <input type="checkbox"/>	Excavated & Date
Special Finds	B&W <input checked="" type="checkbox"/>	Recorded & Date CT 19/7/05
	Colour <input checked="" type="checkbox"/> 11-6	Site Chk CT 19/7/05 PostX Chk

Project Code HEA	Subdivision AREA 1	Context 003
Coords E N E N	Plans 1/1	Section Drawings
Description 1. Rons across striped area SW-NE, for 90m 2. Straightish but slight meander, with a definite change in direction half way along S. 0.9-1.3m wide		Cut <input checked="" type="checkbox"/> 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other
Sketches see 03 site plan 1.2008		Deposit 1. Deposit type Fill <input type="checkbox"/> Layer <input type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other Group <input type="checkbox"/> 1. Includes 2. Description
Interpretation 1. DITCH 2. POST-MED		Matrix (for cut and layers only) 2/1507 (004) [003] sub soil
Supporting Evidence Circular landrain feeds into it (fornit) Finds in top: - slate, brick fragments, rotted wood pieces, wall?		Part of Group: Fill of: Ref:
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>	Samples <input type="checkbox"/>	Excavated & Date CT 19/7/05
Special Finds	B&W <input type="checkbox"/>	Recorded & Date CT 19/7/05
	Colour <input checked="" type="checkbox"/>	Site Chk PostX Chk Js 3/4/02 Js 3/4/02

Project Code <i>HEA</i>		Subdivision <i>AREA 11</i>		Context <i>004</i>	
Coords E <i>N</i> E <i>N</i>		Plans <i>1/1</i>	Section Drawings		
Description <i>darkish brown with frequent orange mottling (iron)</i> <i>silty clay loam</i> <i>4. few pebbles 1-5% (0.001-0.05m)</i>				Cut <input type="checkbox"/>	
				1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other	
Sketches				Deposit	
				1. Deposit type Fill <input checked="" type="checkbox"/> Layer <input type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other	
Interpretation 1. 2.			Matrix (for cut and layers only)		
Supporting Evidence <i>q. rooty (fine roots) = ? former hedge line?</i>				Part of Group:	
				Fill of: <i>003</i>	Ref:
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>		Samples <input type="checkbox"/>		Excavated & Date <i>CT 19/7/05</i>	
Special Finds		B&W <input type="checkbox"/>		Recorded & Date <i>CT 19/7/05</i>	
		Colour <input checked="" type="checkbox"/> <i>1</i>		Site Chk PostX Chk <i>3/4/06 JS</i>	

Project Code HEA	Subdivision AREA 11	Context 005
Coords E N E N	Plans 1/1	Section Drawings /
Description		Cut <input checked="" type="checkbox"/> 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other Deposit 1. Deposit type Fill <input type="checkbox"/> Layer <input type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other Group <input type="checkbox"/> 1. Includes 2. Description
① Fict Stripped AREA 1 ② Linear in Plan ③ oriented NE-SW. ④ unknown ⑤ Length, approximately 30m ⑥ Fine in Plan. ⑦ unexcavated land drain visible cutting/ leading into ditch [003]		
Sketches		
Interpretation 1. Land drain. 2.		Matrix (for cut and layers only) [005] 004 [003]
Supporting Evidence early modern - modern circular land drain cutting, feeding into ditch [003]		Part of Group: Fill of: Ref:
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>	Samples <input type="checkbox"/>	Excavated & Date CT 19/7/05
Special Finds	B&W <input type="checkbox"/>	Recorded & Date CT 19/7/05
	Colour <input checked="" type="checkbox"/> /	Site Chk PostX Chk JS 3/4/6

Project Code HEA	Subdivision AREA 1	Context 006
Coords E N E N	Plans 1/1	Section Drawings /
Description		Cut <input checked="" type="checkbox"/> 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other Deposit 1. Deposit type Fill <input type="checkbox"/> Layer <input type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other Group <input type="checkbox"/> 1. Includes 2. Description
① AREA 1 ② Linear ③ NE to SW ④ unknown ⑤ length, approximately 60m ⑥ unknown ⑦ Landdrain recorded to West of ditch [003]		
Sketches		
Interpretation 1. Land drain 2.		Matrix (for cut and layers only) 002 [006]
Supporting Evidence early modern - modern landdrain		
		Part of Group: Fill of: Ref:
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>	Samples <input type="checkbox"/>	Excavated & Date CT 19/7/05
Special Finds	B&W <input type="checkbox"/>	Recorded & Date CT 19/7/05
	Colour <input checked="" type="checkbox"/> 1	Site Chk PostX Chk JS 3/4/06

Project Code HEA	Subdivision AREA 11	Context 007
Coords E N E N	Plans 1/1	Section Drawings /
Description		Cut <input checked="" type="checkbox"/> 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other
① Area 1 ② Linear ③ NW to SE ④ unknown ⑤ 1m wide, 25m long ⑥ unknown ⑦ unexcavated ditch		Deposit 1. Deposit type Fill <input type="checkbox"/> Layer <input type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other
Sketches		Group <input type="checkbox"/> 1. Includes 2. Description
Interpretation 1. Ditch cut 2.		Matrix (for cut and layers only)
Supporting Evidence unexcavated ditch cut, relationship between [007] and [003] unknown		008 [007]
		Part of Group: Fill of: Ref:
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>		Excavated & Date CT 29/7/05
Special Finds		Recorded & Date CT 29/7/05
Samples <input type="checkbox"/> B&W <input type="checkbox"/> Colour <input checked="" type="checkbox"/> 1		Site Chk PostX Chk JS 3/4/06

Project Code HEA	Subdivision AREA 1 / 1	Context 008
Coords E N E N	Plans 	Section Drawings
Description		Cut <input type="checkbox"/> 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other Deposit 1. Deposit type Fill <input checked="" type="checkbox"/> Layer <input type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other Group <input type="checkbox"/> 1. Includes 2. Description
① Fill ② Within ditch [007] ③ Dark grey brown silty clay, friable in compaction. ④ - ⑤ Good. ⑥ In Plan, 1m wide, 25m long ⑦ unexcavated.		
Sketches		
see [007]		
Interpretation		Matrix (for cut and layers only)
1. upper ditch fill 2		
Supporting Evidence		
upper surface fill of ditch [007]		
		Part of Group:
		Fill of: 007 Ref:
Archaeological inclusions:		Excavated & Date
Finds <input type="checkbox"/>	Charcoal <input type="checkbox"/>	Samples <input type="checkbox"/>
Special Finds		B&W <input type="checkbox"/>
		Colour <input checked="" type="checkbox"/> 1
		Excavated & Date CT 29/7/05
		Recorded & Date CT 29/7/05
		Site Chk PostX Chk JS 3/4/06

Project Code HEA		Subdivision Area 1 1		Context 009	
Coords E N E N		Plans 1/1		Section Drawings /	
Description				Cut <input checked="" type="checkbox"/>	
① Area 1				1. Location	
② Linear				2. Shape in Plan	
③ NW-SE				3. Orientation	
④ unknown				4. Profile	
⑤ Width 2-4m, length 20m.				5. Dimensions (m)	
⑥ unknown				6. Clarity of edge	
⑦				7. Other	
Sketches				Deposit	
See [007]				1. Deposit type	
				Fill <input type="checkbox"/> Layer <input type="checkbox"/>	
Interpretation				Matrix	
1. Ditch				(for cut and layers only)	
2. Furrows				010 1 [009]	
Supporting Evidence					
Ditch cut, or more likely remains of ridge + furrows.					
Archaeological inclusions:				Part of Group:	
Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>		Samples <input type="checkbox"/>		Excavated & Date	
Special Finds		B&W <input type="checkbox"/>		Recorded & Date	
		Colour <input checked="" type="checkbox"/> 1		Site Chk	
				PostX Chk	

Project Code HEA	Subdivision Area 11	Context 010
Coords E N E N	Plans Sheet 1/1	Section Drawings /
Description		Cut <input type="checkbox"/> 1. Location 2. Shape in Plan 3. Orientation 4. Profile 5. Dimensions (m) 6. Clarity of edge 7. Other
① Fill ② Within Ditch / Furrows [009] ③ Mid Gray brown silty sandy clay. Frangible in compaction ④ - ⑤ Fill ⑥ Width 2-4m, length 20m ⑦ ⑧		Deposit 1. Deposit type Fill <input checked="" type="checkbox"/> Layer <input type="checkbox"/> 2. Location 3. Matrix - colour - texture - consistency 4. Natural inclusions 5. Clarity of horizon 6. Dimensions (m) 7. Method 8. Excavation conditions 9. Other
Sketches		Group <input type="checkbox"/> 1. Includes 2. Description
See [007]		
Interpretation 1. upper fill 2.		Matrix (for cut and layers only)
Supporting Evidence upper fill (surface) of ditch / furrows [009]		
		Part of Group: Fill of: 009 Ref:
Archaeological inclusions: Finds <input type="checkbox"/> Charcoal <input type="checkbox"/>	Samples <input type="checkbox"/>	Excavated & Date CT 27/7/05
Special Finds	B&W <input type="checkbox"/>	Recorded & Date CT 27/7/05
	Colour <input checked="" type="checkbox"/>	Site Chk <input type="checkbox"/> PostX Chk <input type="checkbox"/> JS 3/4/06

Sheet	Drawing		Contexts	Description	Sign Date	Site Chk	PostX Chk
	P	S					
1	1		003, 005, 007 009	First stripped area	JS 31/4/06	"	"

HEA 05

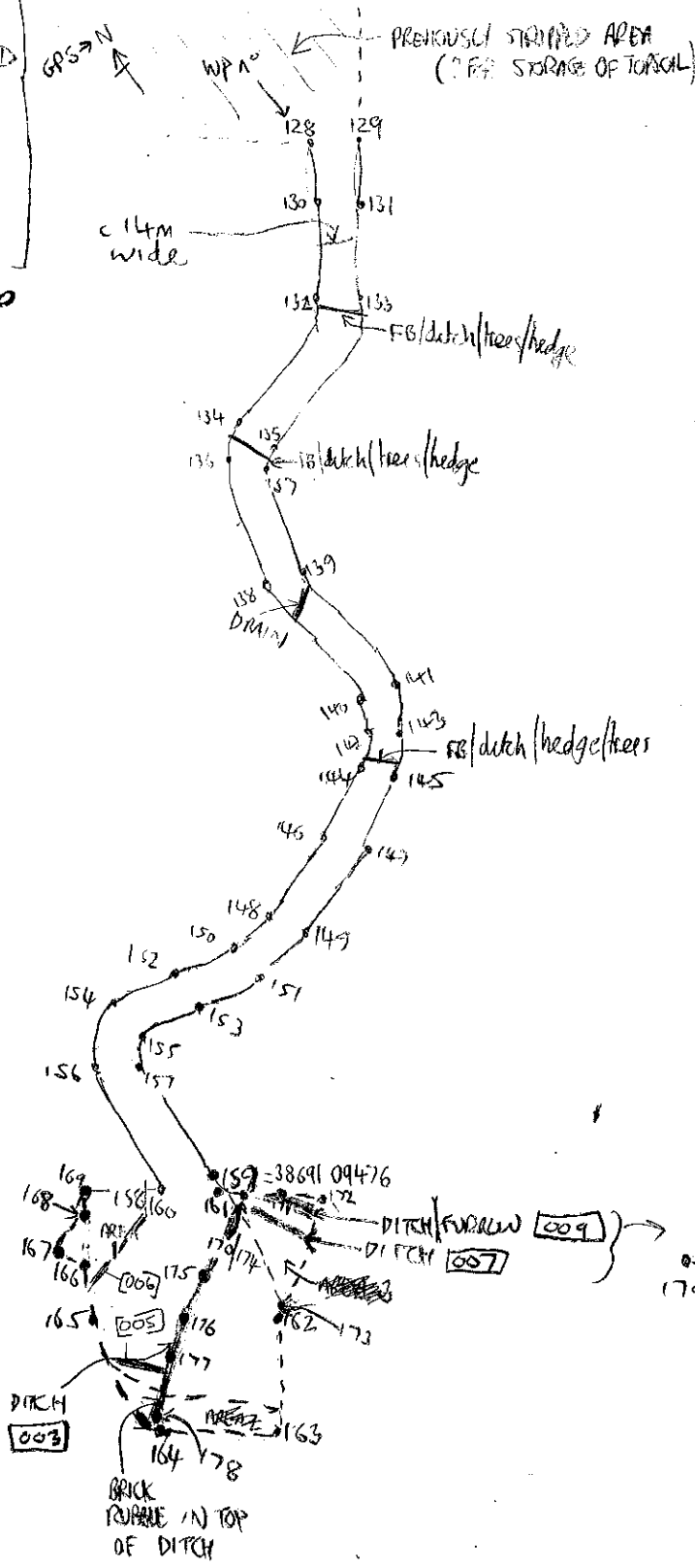
WBF

Drq 1

SKETCH PLAN OF HAUL ROAD AND STRIPPED AREAS WITH GPS WAYPOINTS AND ARCHAEOLOGY

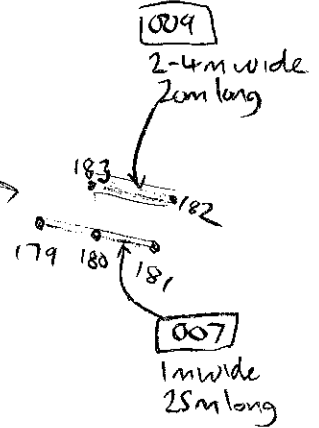
CT NOT TO SCALE
27.7.05

Approx 1:4000



WP

- 1-124 = MM/SPA
- 125-127 = CT TEST
- 128-183 = CT HEA 27.5.05
- 128-159 = HAUL RD
- 160-169 = AREA 1
- 170-173 = AREA 2
- 174-178 = DITCH 003
- 179-181 = DITCH 007
- 182-183 = DITCH/FURROW 009



KIP05

Project Code		Film Type	ASA	Loaded By	Film No.	
HEA ⁺ 05		CS	200	CT 19/05	1	
Neg	Shot	Contexts	Description	Sub-div	Sign Date	X ref
	1	001 - 004	General, ditch looking SW	/	19/05	
	2	"	" " "	/	"	
	3	"	" " NE	/	"	
	4	"	" " NE	/	"	
	5	"	" " SW	/	"	
	6	"	" " SW	/	"	
	7	"	Detail (plan of ditch, looking SW)	/	"	
	8	"	" " " " " " SW	/	"	
	9	005	kerb in joining ditch SW	/	"	
	10	005	" " " SW	/	"	
	11	005	" " " W	/	"	
	12	"	" " " W	/	"	
	13	"	" " " E	/	"	
	14	"	" " " E	/	"	
	15	007, 009	ditch + ditch/furrow, " SE	/	27/05	
	16	" "	" " " NW	/	"	
	17	003	ditch, with bricks in bp SW	/	"	
	18	"	ditch with bricks " " NE	/	"	
	19			/		
	20			/		
	21			/		
	22		<i>KIP05</i>	/		
	23			/		
	24			/		
	25			/		
	26			/		
	27	GENERAL SHOT OF SOUTHWEST EXTENSION TO QUARRY LOOKING N/SW		/	21/5/05	✓
	28	" " " " " "		/	"	✓
	29	[REDACTED]		/		
	30	[REDACTED]		/		
	31	[REDACTED]		/		
	32	[REDACTED]		/		
	33			/		
	34			/		
	35			/		
	36			/		
	37			/		
	38			/		

Unloaded	Processed	Mounted	Archive No.
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HEA05 Film 1 Shot (1)



HEA05 Film 1 Shot (18)



HEA05 Film 1 Shot (2)



HEA05 Film 1 Shot (3)



HEA05 Film 1 Shot (5)



HEA05 Film 1 Shot (4)



HEA05 Film 1 Shot (7)



HEA05 Film 1 Shot (6)



HEA05 Film 1 Shot (9)



HEA05 Film 1 Shot (8)



HEA05 Film 1 Shot (10)



HEA05 Film 1 Shot (11)



HEA05 Film 1 Shot (13)



HEA05 Film 1 Shot (12)



HEA05 Film 1 Shot (15)



HEA05 Film 1 Shot (14)



HEA05 Film 1 Shot (17)



HEA05 Film 1 Shot (16)