

**Hardengreen, Jewel and Esk Valley College:**  
**Evaluation Data Structure Report**

**On behalf of:** GVA Grimley LLP  
34 Melville Street  
Edinburgh  
EH3 7HA

**National Grid Reference (NGR):** NT 3249 6595

**AOC Archaeology Project No:** 20429

**Prepared by:** Erlend Hindmarch

**Illustration by:** Alan Hunter Blair

**Timing:** Excavation      February 2007  
Report              February 2007

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**0 NON TECHNICAL SUMMARY**

0.1 This report presents the results of an archaeological evaluation undertaken by AOC Archaeology Group on ground subject to redevelopment near Hardengreen Industrial Estate, Lasswade, Midlothian.

0.2 The evaluation revealed no deposits or features of archaeological significance

**1 INTRODUCTION**

**1.1 Background**

1.1.1 AOC Archaeology Group was commissioned by GVA Grimley LLP to undertake an archaeological evaluation prior to a college campus development at near Hardengreen Industrial Estate, Lasswade, Midlothian. The evaluation works were carried out in accordance with a *Written Scheme of Investigation* (AOC 2007) which was designed to satisfy the requirements of the local planning authority, and was agreed by Mr. David Connolly, Assistant Archaeological Officer with Community Services, East Lothian Council, advisor to the planning authority. The evaluation works were in accordance with the principles inherent in NPPG 5 (SOEnd 1994) and PAN 42 (SOEnd 1994a).

**1.2 Site location**

1.2.1 The proposed development site is centred on NGR: NT 3249 6595 (Fig. 1). It is bounded to the north by Hardengreen Industrial Estate and to the East by the B 6392. The area is currently under pasture and occupies an area of raised ground of which the northern and western fringes are sloped.

**2 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND**

2.1 There are no known archaeological sites within the proposed development area. However its topography position (a raised location overlooking a river valley) and the presence of prehistoric sites in the immediate area suggest a significant possibility of archaeological material, as yet unknown in the historical, cartographic or aerial photographic record to survive within this land parcel.

2.2 The scheduled cropmark site of Hardengreen enclosure (*NMRS* NT36NW 55; NGR: NT 3213 6555), a circular ditched enclosure with internal scooped area, lies to the east (*RCAHMS* 1988). While the site of a ring-groove house, post-built structure and a series of pits containing putative Grooved Ware (*NMRS* NT36NW 145; NGR: NT 3318 6630) at Lamb's Nursery was excavated in 1998. The excavation identified two main features: a ring-groove house, approximately 10m in diameter, with an erosional gully feature on its northern arc and an entrance to the SE; and a circle of post-holes, approximately 8m in diameter, thought to represent a second structure. A second possible ring-

groove was identified in the eastern corner of the site. A limited assemblage of hand-thrown pottery was recovered from the post-ring and the ring-groove house (Cook 2000).

- 2.3 The village of Lasswade has obscure origins. In the 12th century the church and lands of Lasswade were bestowed on the Bishop of St Andrews, but whether Lasswade at this time meant a single parish or a number of neighboring parishes in this area is unknown (Paton 1835). The population of the entire parish in 1791 was approximately 3000 people (MacKenzie 1792). It first appears in the cartographic record in Adair's manuscript of 1682 as '*Iiswead*' lying at important crossing point of the River South Esk. This crossing point persists in later maps, e.g. Lawrie (1766) and Kirkwood (1817), with the perhaps reasonable conjecture that this transport route was also of some importance in preceding centuries.

### 3. OBJECTIVES

- 3.1 The objectives of the evaluation were to:

- i) determine the character, condition, date, extent and quality of any archaeologically significant remains within the development area;
- ii) formulate an appropriate mitigation strategy, compliant with NPPG 5, and PAN 42, in discussion between the client, AOC Archaeology Group and CECAS, should significant archaeology be discovered.

### 4. METHOD

- 4.1 Fifteen trenches (Fig. 1) of varying orientation were dug covering an area of 1500 m<sup>2</sup> representing a 5% sample of the total area of the site. All trenches were excavated with a 360° excavator fitted with a 2.0 m wide toothless ditching bucket. The overburden was removed in shallow spits until the first archaeological sediments, deposits, features or natural geology were encountered. All machine excavation was carried out under the direct supervision of an experienced field archaeologist.
- 4.2 The fieldwork was undertaken between 6<sup>th</sup> February 2007 and 7<sup>th</sup> February 2007. The weather conditions during the evaluation dry.

### 5. RESULTS (Figs. 3 and 4)

- 5.1.1 The various data gathered from the evaluation are presented as a series of appendices:
- i) Appendix 1 contains trench summaries;
  - ii) Appendix 3 contains the photographic register;

iii) Appendix 5 reproduces the *Discovery & Excavation in Scotland* entry.

- 5.1.2 The evaluation trenches were all similar in that moderately compact dark grey/black clay silt with a depth of between 0.25 m and 0.35 m overlay the natural geology of orange brown clay and sandy clay. Fragments of 19<sup>th</sup>/20<sup>th</sup> century pottery were observed within the topsoil. No features or deposits of archaeological significance were observed within any of the trenches.

## 6 CONCLUSION

- 6.1 The evaluation has shown that no features or deposits of archaeological significance exist within the confines of the proposed development.

## BIBLIOGRAPHIC REFERENCES

- AOC 2007 *Hardengreen, Jewel and Esk Valley College, Written Scheme of Investigation*, Unpublished Client Document
- Cook, M 2000 'Excavation of Neolithic and Bronze Age settlement features at Lamb's Nursery, Dalkeith, Midlothian', *Proc Soc Antiq Scot*, 130, 2000, 93-113.
- Paton, J (Rev) 1835 *The Parish of Lasswade, No XXII*. The New Statistical Account of Scotland.
- MacKenzie, M (Rev) 1792 *The Parish of Lasswade*. The Old Statistical Account of Scotland.
- RCAHMS 1988 *The Royal Commission on the Ancient and Historical Monuments of Scotland. The archaeological sites and monuments of Midlothian (prehistoric to early historic), Midlothian District, Lothian Region*. The archaeological sites and monuments of Scotland series no 28, Edinburgh, 29, No.132.
- The Scottish Office Environment Department 1994. *National Planning Policy Guideline NPPG5. Archaeology and Planning*. January 1994.
- The Scottish Office Environment Department 1994a. *Planning Advice Note 42. Archaeology – the Planning Process and Scheduled Ancient Monument Procedures*. January 1994.

## CARTOGRAPHIC SOURCES

- Adair, J 1682 *Map of Midlothian*. (manuscript).
- Laurie, J 1766 *A plan of Edinburgh and places adjacent*.
- Kirkwood, R 1817 *A map of the environs of Edinburgh*.

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## APPENDIX 1: TRENCH SUMMARIES

<b>Trench 1</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NE-SW					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Compact orange/brown clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 2</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NE-SW					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange clay sand changing to orange brown clay 10 m from NW					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 3</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NE-SW					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.25
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 4</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.35
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NW-SE					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.25-0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 5</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.35
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	N-S					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.25
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown clay changing to orange sandy clay 35 m from south					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 6</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.35
<i>Total Area (m<sup>2</sup>)</i>	100					

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<i>Orientation</i>	NE-SW		
<i>Topsoil</i>	Moderately dark grey/black clay silt	<b>Depth (m)</b>	0.25-0.3
<i>Subsoil</i>	N/A	<b>Depth (m)</b>	
<i>Natural</i>	Mid brown clay sand		
<i>Significant features</i>	None		
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained		

<b>Trench 7</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NW-SE					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3-0.35
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown clay sandy clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 8</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NE-SW					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.25-0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown sandy clay becoming more sandy towards the SW					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 9</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	E-W					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 10</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.35
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NW-SE					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.25
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown sandy clay changing to orange brown clay toward the SE					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 11</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	E-W					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown sandy clay					

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<i>Significant features</i>	None
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained

<b>Trench 12</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	E-W					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown sandy clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 13</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NW-SE					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown sandy clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 14</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	NW-SE					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					

<b>Trench 15</b>						
<i>Dimensions</i>	<b>Length (m)</b>	50.0	<b>Width (m)</b>	2.0	<b>Depth (m)</b>	0.4
<i>Total Area (m<sup>2</sup>)</i>	100					
<i>Orientation</i>	E-W					
<i>Topsoil</i>	Moderately dark grey/black clay silt				<b>Depth (m)</b>	0.3
<i>Subsoil</i>	N/A				<b>Depth (m)</b>	
<i>Natural</i>	Orange brown clay					
<i>Significant features</i>	None					
<i>Finds</i>	19 <sup>th</sup> 20 <sup>th</sup> century pottery noted within topsoil but not retained					



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### APPENDIX 2: PHOTOGRAPHIC RECORD

#### Colour slide Film No.1

No.	Trench	Description	From
1		Registration shot	
2	1	General	SW
3	2	General	SE
4	3	General	SW
5	4	General	NW
6	5	General	S
7	6	General	SW
8	7	General	NW
9	8	General	NE
10	9	General	E
11	10	General	NW
12	11	General	W
13	12	General	W
14	13	General	SE
15	14	General	NW
16	15	General	NW

#### Black and White Print Film No.1

No.	Trench	Description	From
1		Registration shot	
2	1	General	SW
3	2	General	SE
4	3	General	SW
5	4	General	NW
6	5	General	S
7	6	General	SW
8	7	General	NW
9	8	General	NE
10	9	General	E
11	10	General	NW
12	11	General	W
13	12	General	W
14	13	General	SE
15	14	General	NW
16	15	General	NW

APPENDIX 5: DISCOVERY AND EXCAVATION IN SCOTLAND REPORT

<b>LOCAL AUTHORITY:</b>	Midlothian Council
<b>PROJECT TITLE/SITE NAME:</b>	Hardengreen, Jewel and Esk Valley College
<b>PROJECT CODE:</b>	AOC 20429
<b>PARISH:</b>	Lasswade
<b>NAME OF CONTRIBUTOR:</b>	Erlend Hindmarch
<b>NAME OF ORGANISATION:</b>	AOC Archaeology Group
<b>TYPE(S) OF PROJECT:</b>	Archaeological Evaluation
<b>NMRS NO(S):</b>	N/A
<b>SITE/MONUMENT TYPE(S):</b>	None
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 6 figures)</b>	NT 3249 6595
<b>START DATE (this season)</b>	6 <sup>th</sup> February 2007
<b>END DATE (this season)</b>	7 <sup>th</sup> February 2007
<b>PREVIOUS WORK (incl. DES ref.)</b>	None
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	Undertaken prior to redevelopment, an evaluation consisting of 15 trenches amounted to an overall area of 1500 m <sup>2</sup> . The failed to find any features or deposits of archaeological significance within the confines of the development area.
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	n/a
<b>SPONSOR OR FUNDING BODY:</b>	GVA Grimley LLP
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	c/o AOC Archaeology Group
<b>EMAIL ADDRESS:</b>	admin@aocscot.co.uk
<b>ARCHIVE LOCATION</b>	Archive to be deposited in NMRS

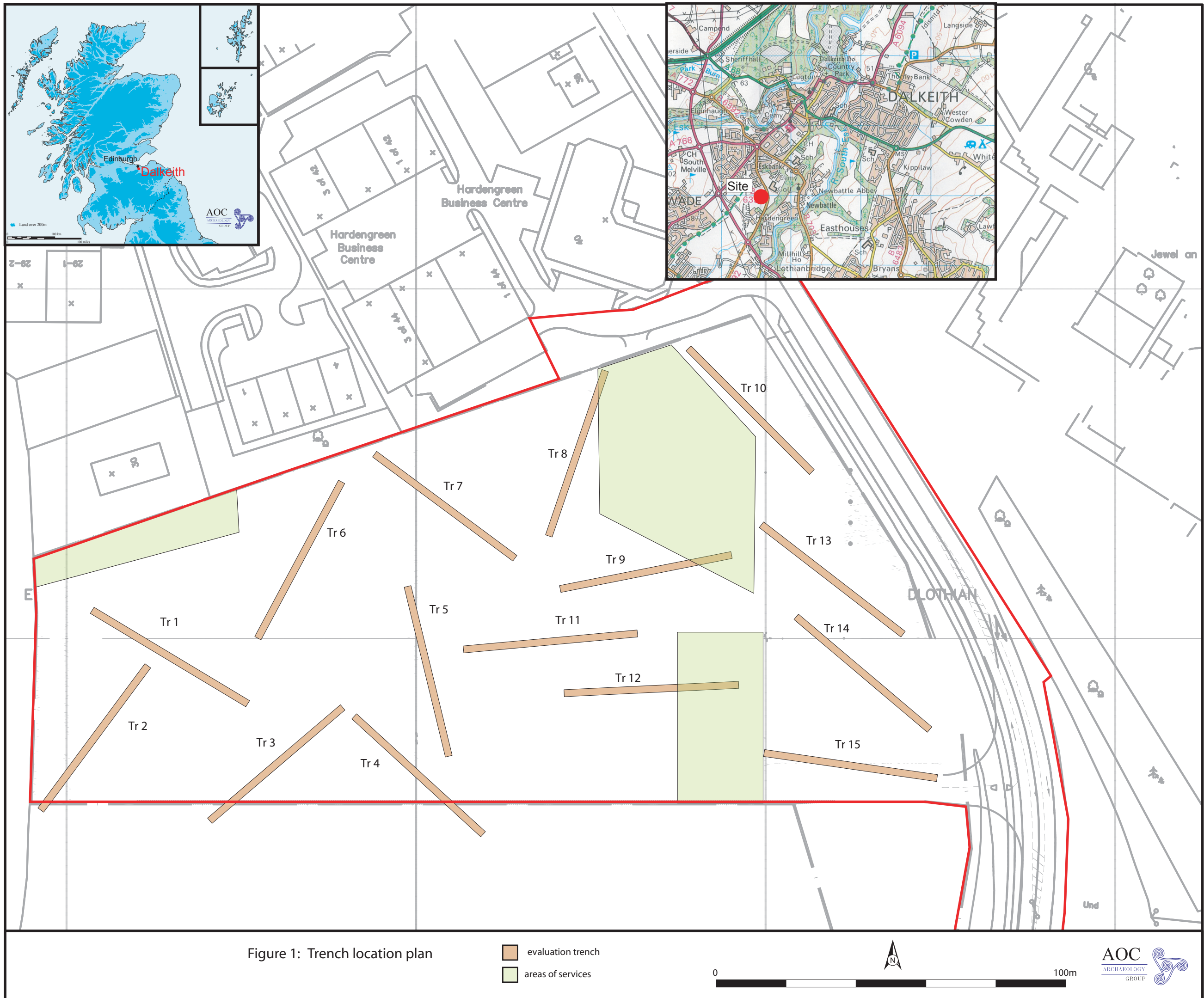


Figure 1: Trench location plan

- evaluation trench
- areas of services

