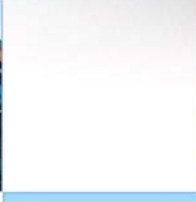
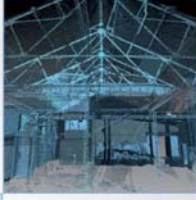
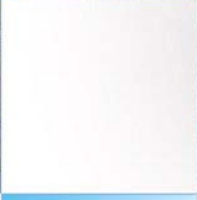


# Kildean, Stirling: Evaluation Data Structure Report

AOC Project 22219  
OASIS No. aocarcha1-133389

4<sup>th</sup> September 2012



ARCHAEOLOGY

HERITAGE

CONSERVATION

# Kildean, Stirling:

## Evaluation Data Structure Report

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**On Behalf of:** Valad Europe,  
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3 Semple Street,  
Edinburgh,  
EH3 8BL

**National Grid Reference (NGR):** NS 7801 9529

**AOC Project No:** AOC22219

**OASIS Project No:** aocarcha1-133389

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**Date of Fieldwork:** 31<sup>st</sup> August 2012

**Date of Report:** 5<sup>th</sup> September 2012

This document has been prepared in accordance with AOC standard operating procedures.

**Author:** Lindsay Dunbar

**Date:** 5<sup>th</sup> September 2012

**Approved by:** John Gooder

**Date:** 5<sup>th</sup> September 2012

**Draft/Final Report Stage:** Draft

**Date:** 5<sup>th</sup> September 2012

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## Abstract

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This report presents the results of an archaeological evaluation undertaken by AOC Archaeology Group prior to the commercial development of a greenfield site at Kildean, Stirling.

The archaeological evaluation comprised the excavation of a single trench approximately aligned East to West across the widest part of the development area in order to determine the presence of a suspected Roman Road. A single trench, 62 m in length was opened. No trace was found of the Roman Road and no other significant archaeological features or unstratified artefacts were observed during the evaluation.

# 1 INTRODUCTION

## 1.1 Background

- 1.1.1 AOC Archaeology Group has been commissioned by Valad Europe to undertake a programme of archaeological works prior to the development of a proposed business park at Kildean, Stirling. The need for and scope of the archaeological works had been determined by the Stirling Council, as advised on archaeological matters by Mr. Murray Cook, Planning Officer (Archaeology), heritage advisor to Stirling Council
- 1.1.2 The proposed development lies within the administrative area of Stirling Council, which is advised on archaeological matters by Mr. Murray Cook, Planning Officer (Archaeology). A programme of archaeological works had been specified by Mr. Murray Cook with the required works in keeping with the policies outlined in *Scottish Planning Policy* (Scottish Government 2010) and *PAN 2/2011 Planning and Archaeology* (Scottish Government 2011) in order to determine and record the extent and significance of any archaeological remains which may be present within the development area.
- 1.3 A *Written Scheme of Investigation* (AOC 2012) was agreed with Mr. Murray Cook in advance of the evaluation being undertaken.

## 1.2 Location

- 1.2.1 The proposed development area lies within greenfield land, within close proximity to the M9, (see Figure 1), on ground adjacent to the Castle Business Park and is centred on NGR: NS 7801 9529.

## 1.3 Archaeological background

- 1.3.1 No archaeological sites are known to lie within the development area. However, the alleged alignment of a Roman road (Stirling Sites and Monuments Record: 1085.1), lies to the immediate north of the development area within the former location of the Kildean Cattle Market. If correct, then the possibility exists that the linear structure may have crossed (and perhaps survives) within the development area.
- 1.3.2 In addition, as the development is located on a greenfield site there exists the possibility that the site may contain further, as yet unanticipated, buried archaeological features or artefacts.
- 1.3.3 No known previous archaeological investigations have been undertaken within the development area.



## 2 OBJECTIVES

2.1 The objectives of the archaeological evaluation were:

- i) to determine and assess the character, extent, condition, quality, date and significance of any buried archaeological remains within the proposed development area;
- ii) to advise and implement an appropriate form of mitigation, such as excavation, post-excavation analyses and publication, given the infeasibility of preserving the archaeological material *in situ*, should significant archaeological remains be encountered.

## 3 METHODOLOGY

3.1 Trenching comprised the excavation of single trench, aligned approximately East to West across the widest part of the development area. The evaluation was undertaken by means of a JCB 3CX wheeled excavator equipped with a toothless ditching bucket. Excavation was undertaken in shallow units/spits until the first significant archaeological horizon or natural subsoil was reached. All machine excavation was supervised by an experienced field archaeologist.

3.2 All trial trenching was undertaken according to AOC Archaeology Group's standard operating procedures. The trench was backfilled on completion of the evaluation.



**PLATE 1 – Showing typical trench section and orange/grey clay subsoil**

## 4 RESULTS

### 4.1 Introduction

- 4.1.1 The archaeological evaluation was undertaken on 31<sup>st</sup> August 2012 in fair weather conditions yielding good archaeological visibility. In total, approximately 112.0 m<sup>2</sup> (combined basal dimensions) of trench was opened, in a single 62 m by 1.8 m size. The following should be read in conjunction with the data presented in Appendix 1.
- 4.1.2 Topsoil comprised a dark brown clay rich matrix overlying a natural subsoil of varying yellow/orange/brown clay (Plate 1). The topsoil varied from 0.35m deep at the eastern end of the trench to 0.28 m deep at the western end. Very few modern artefacts were noted within the topsoil with ceramic sherds and bottle glass amongst the most common, though nothing of note was identified and the material was not retained. Former land improvement regimes were evidenced by the presence of a single NW-SE aligned ceramic field drain and fragments of field drain within the topsoil. A single modern testpit was encountered cut through natural subsoil.



**PLATE 2 - View of evaluation trench from West**

- 4.1.3 Careful examination including hand cleaning of the trench base revealed no trace of the suspected Roman Road.

## 5 CONCLUSION

- 5.1 No structural remains, negative cut features or anthropic deposits of any archaeological significance were found. No evidence for the existence of Roman Road was encountered. No unstratified artefactual material of archaeological significance was recovered from the topsoil.

## **6 RECOMMENDATIONS**

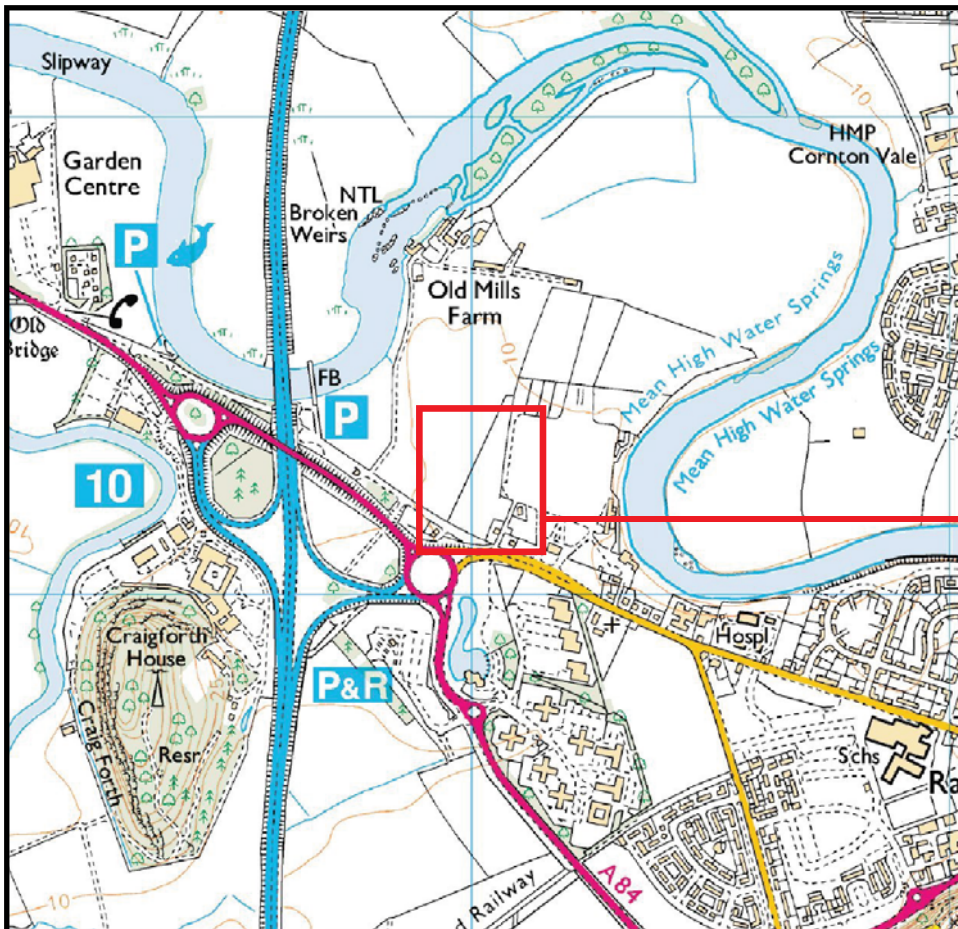
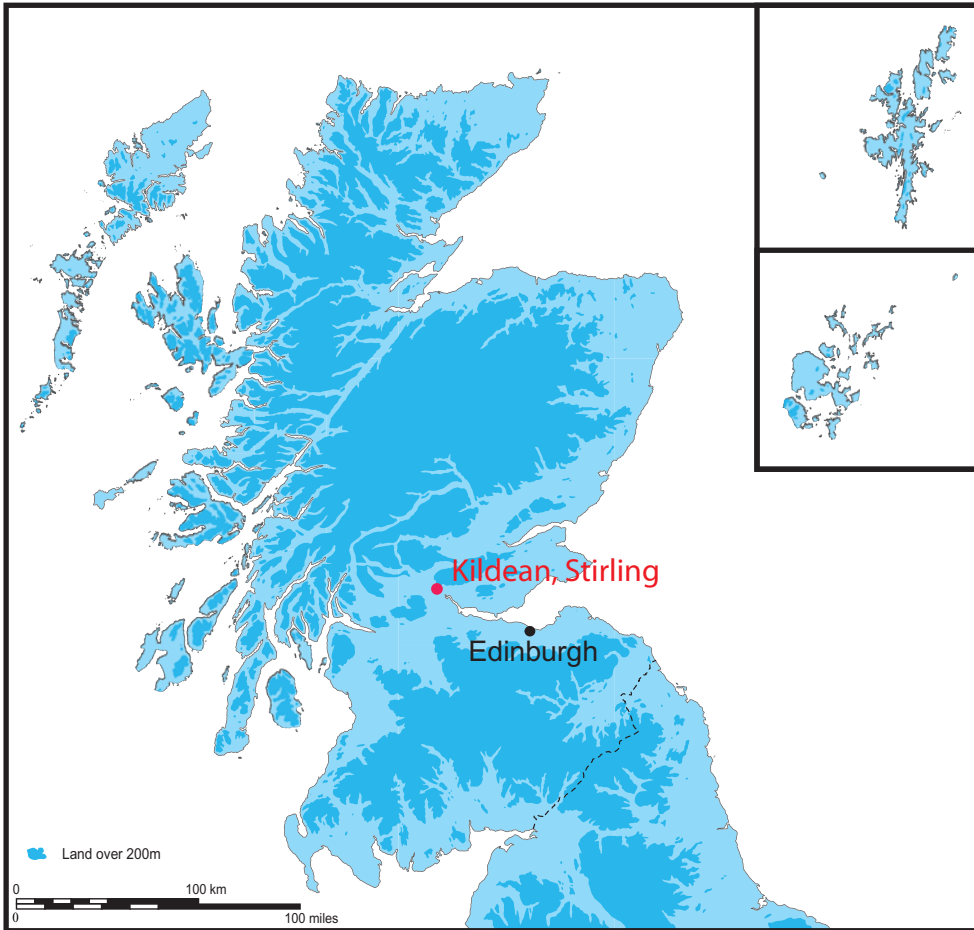
- 6.1 Neither archaeological features nor residual artefacts were revealed by the evaluation. The significant balance of probability is that the development area is archaeologically sterile. No further archaeological works are considered necessary. This recommendation will require confirmation by Mr. Murray Cook on behalf of Stirling Council.

## **7 REFERENCES**

Scottish Government 2010 *Scottish Planning Policy*.

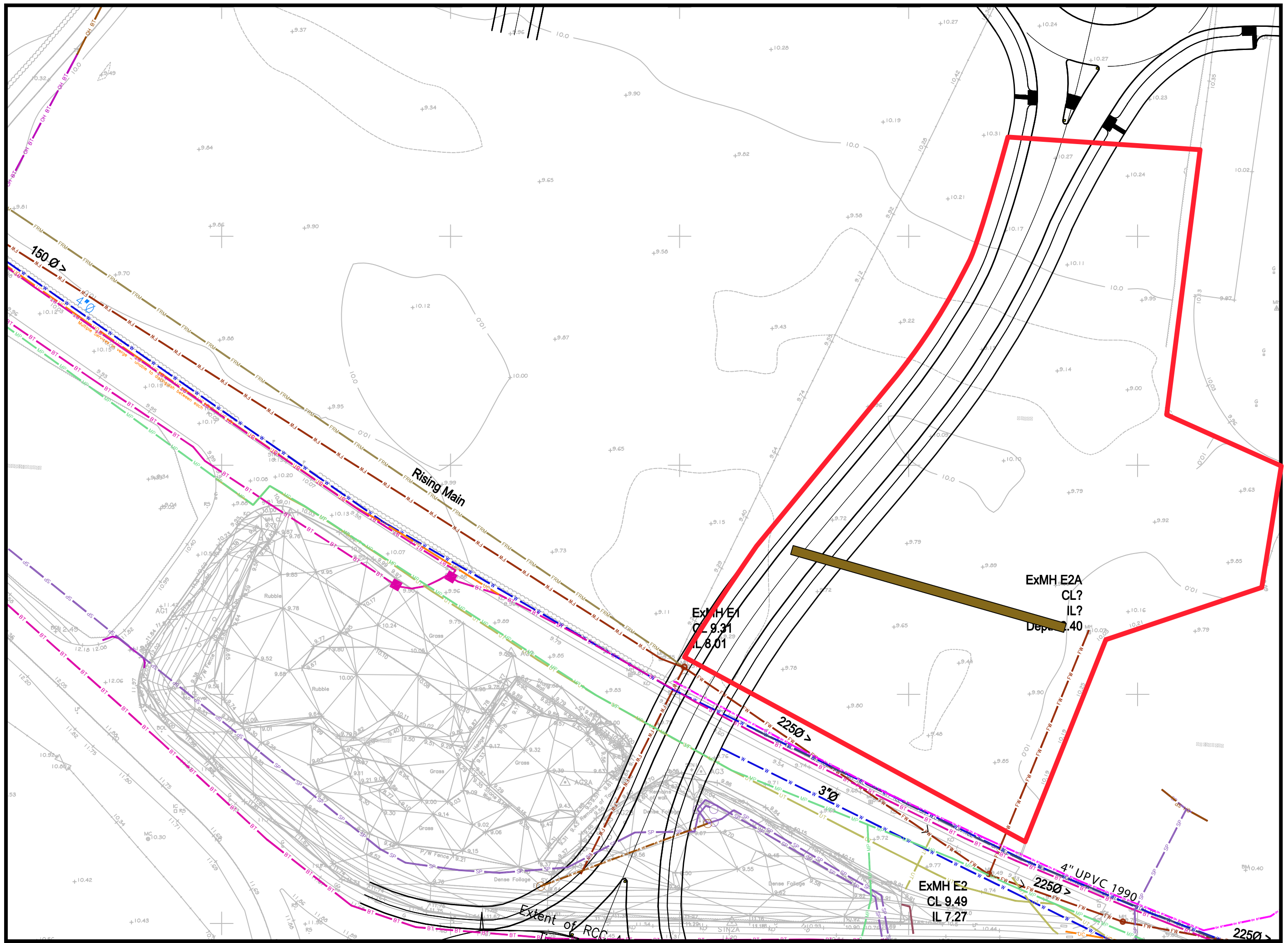
Scottish Government 2011 *PAN 2/2011 Planning and Archaeology*.





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Figure 1: Location of the site at Kildean



0m 50m 100m

Based on a drawing supplied by the client

Figure 2: The location of the evaluation trench at Kildean

# **Kildean, Stirling: Evaluation Data Structure Report**

## **Section 2: Appendices**

## APPENDIX 1: Trench Descriptions

### Trench 1

<i>Dimensions</i>	62.0 m by 1.8 m
<i>Orientation</i>	c. E-W
<i>Depth of Topsoil</i>	0.28 m - 0.35 m
<i>Depth of Excavations</i>	Up to 0.37 m
<i>Subsoil</i>	Orange/pink/grey mottled clay
<i>Features</i>	None
<i>Significant Features</i>	None
<i>Finds</i>	None

## APPENDIX 2: Photographic Record

Digital Film

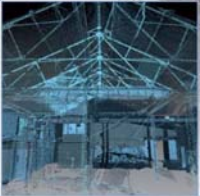
Frame	Trench	Description	From
1-2	Tr.1	Tr.1 during excavation	E
3-4	Tr.1	Typical section of Tr.1	S
5	Tr.1	Tr.1 during excavation showing testpit	SW
6	Tr.1	Typical view of trench base showing clay subsoil	S
7-8	Tr.1	Tr.1 during excavation	SE
9	Tr.1	Post excavation view of eastern end of Tr.1	W
10-14	Tr.1	General views of development area from East through to North	Various
14-18	Tr.1	General post-excavation view of Trench 1	W
19-21	Tr.1	General view of excavation area after backfilling	S



**APPENDIX 3: 'Discovery and Excavation in Scotland' Report**

<b>LOCAL AUTHORITY:</b>	Stirling Council
<b>PROJECT TITLE/SITE NAME</b>	Kildean, Stirling Evaluation
<b>PROJECT CODE:</b>	AOC 22219
<b>PARISH:</b>	St. Ninians
<b>NAME OF CONTRIBUTOR:</b>	Lindsay Dunbar
<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>	N/A
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 6 figures)</b>	NS 7801 9529
<b>START DATE (this season)</b>	31 <sup>st</sup> August 2012
<b>END DATE (this season)</b>	31 <sup>st</sup> August 2012
<b>PREVIOUS WORK (incl. DES ref.)</b>	N/A
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	<p>This report presents the results of an archaeological evaluation undertaken by AOC Archaeology Group prior to the commercial development of a greenfield site at Kildean, Stirling.</p> <p>The archaeological evaluation comprised excavation of single trench approximately aligned East to West across the widest part of the development area in order to determine the presence of a suspected Roman Road. A single trench 62 m long was opened. However no trace was found of the Roman Road and no significant archaeological features or unstratified artefacts were observed during the evaluation.</p>
<b>PROPOSED FUTURE WORK:</b>	N/A
<b>CAPTION(S) FOR ILLUSTRS:</b>	N/A
<b>SPONSOR OR FUNDING BODY:</b>	Valad Europe
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	Edgefield Road Industrial Estate, Loanhead, Midlothian, EH20 9SY
<b>EMAIL ADDRESS:</b>	<a href="mailto:admin@aocarchaeology.com">admin@aocarchaeology.com</a>
<b>ARCHIVE LOCATION (intended/deposited)</b>	Archive to be deposited in NMRS





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