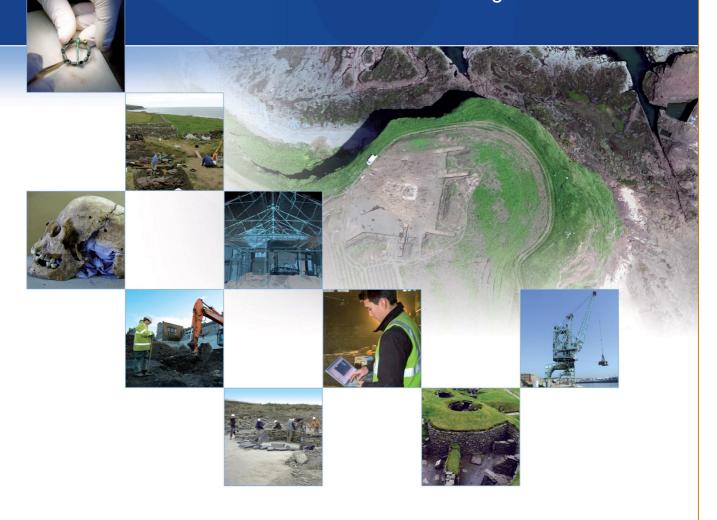
Redmains Farm, Pencaitland, East Lothian: Archaeological Works Data Structure Report

AOC Project 23565 09th November 2016 Planning Ref H-322





Redmains Farm, Pencaitland, East Lothian:

Archaeological Works Data Structure Report

On Behalf of: East Lothian Council

National Grid Reference (NGR): NT 44609 69183

OASIS No: 1-268256

AOC Project No: 23565

Prepared by: Rob Engl

Date of Fieldwork: 28th September – 8th November 2016

Date of Report: 9th November 2016

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

Author: Rob Engl Date: 9th November 2016

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Draft/Final Report Stage: Draft Date: 9th November 2016

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Abstract

This report presents the results of archaeological works undertaken in relation to a proposed housing development at Redmains Farm, Pencaitland, East Lothian (NGR: NT 44609 69183).

The works were to originally consist of the archaeological monitoring of nine SI pits together with an archaeological evaluation requiring a 5% trenching sample (675 linear metres) of the proposed 2.75 hectare development area. However, due to restricted access a total of seven SI pits were monitored and a total 575 linear metres were excavated.

Trenching revealed two plough-soils overlying predominant drift geology of glacial clays. The natural was cut by 19th century ceramic drains set at 5.0 m intervals. No significant archaeological material was observed.

1 INTRODUCTION

1.1 Background

- 1.1.1 AOC Archaeology Group was commissioned by East Lothian Council, to undertake a programme of archaeological works comprising an archaeological evaluation and the monitoring of nine SI pits prior to the construction of a residential development at Redmains Farm, East Lothian (NGR: NT 44609 69183) (REF H-322). The need for, and scope of, the archaeological works was determined by East Lothian Council who are advised on archaeological matters by Ms. Helena Gray of the East Lothian Council Archaeology Service (ELCAS).
- 1.1.2 The works were conducted according to the terms of a Written Scheme of Investigation (AOC 2016) approved by ELCAS on behalf of Midlothian Council and in accordance with the principles set out in Scottish Planning Policy (Scottish Government 2014) and PAN 2/2011 Planning & Archaeology (Scottish Government 2011).
- 1.1.3 No significant archaeology was observed.

1.2 Location

1.2.1 The proposed development is situated on a gentle south facing slope on the north eastern edge of Pencaitland village with the majority of the site currently under agriculture. The site is bounded by mature woodland to the west, residential housing to the south and south-east and open agricultural land to the north. The site is covers c.2.7 ha of land and is centered at NGR: NT 44609 69183 (Figure 1).

1.3 Archaeological Background

- 1.3.1 Cartographic analysis indicates that the proposed development has a long history of agricultural use. The whole of the proposed development area lies within the designed landscape for Winton House (DGL 385). A former brick and tile-works (MEL 3872) is marked on the 1st edition OS map (Haddingtonshire 1855) situated on the north-eastern edge of the development. The works appears to have largely disappeared by the 2nd edition map. The area is included in the Pencaitland Conservation Area and a number of listed buildings back on to the area along the southern boundary.
- 1.3.2 No known archaeological remains are known to lie within the proposed development area. However, there are a number of prehistoric crop-marks and Scheduled Monuments within the wider area. At Winton Lea to the north of the development lies an enclosure crop-mark of unknown date (NT47 SW20) and at Winton West Mains a prehistoric pit alignment was excavated (Abernethy 1999). At Winton Hill (NT47 SW19) crop-mark evidence has revealed the remains of an enclosed settlement of probable prehistoric date. To the east of the development area at Saltoun Home Farm the scheduled remains of an enclosed settlement and associated pit alignment are also represented by crop-marks.

- 1.3.3 The 12th century parish church of Pencaitland (MEL 347) lies approximately 200 m to the south-west while a putative deserted medieval settlement and Pirnie Castle (MEL 374) lies to the north-west.
- 1.3.4 A local resident has stated that there is a possible lithic scatter situated north of the development area at NT44513 69375.

3 OBJECTIVES

- 3.1 The objectives of the archaeological works were:
 - i) to monitor the excavation of nine SI pits in order to determine and assess the character, extent, condition, quality, date and significance of any buried archaeological remains within the proposed development.
 - *ii)* to determine and assess the character, extent, condition, quality, date and significance of any buried archaeological remains within the proposed development area through evaluation trenching;
 - *iii*) to advise and implement an appropriate form of mitigation, such 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 Due to access restrictions a total of seven SI pits were monitored. Excavation of the pits was undertaken by a JCB excavator equipped with 2.0 m wide ditching bucket. Excavation was undertaken in shallow units/spits until natural sub-soil was reached. All machine excavation was supervised by an experienced field archaeologist and according to AOC Archaeology Group's standard operating procedures, and as per the methodology within the *Written Scheme of Investigation* (AOC 2016).
- 3.2 The evaluation was undertaken by a 13tonne excavator equipped with 2.0 m wide ditching bucket. Excavation was undertaken in shallow units/spits until natural sub-soil was reached. All machine excavation was supervised by an experienced field archaeologist and according to AOC Archaeology Group's standard operating procedures, and as per the methodology within the *Written Scheme of Investigation* (AOC 2016).

4 RESULTS

4.1 SI Pit Monitoring

- The archaeological monitoring of the SI pits was undertaken on the 28th September 2016. Weather 4.1.1 conditions were dry allowing for good archaeological visibility throughout. Due to access restrictions only seven of the nine SI pits were excavated within the proposed development area (Figure 2).
- 4.1.2 The SI pits ranged from 1.10 m to 2.0 m in length and 0.70 m in width. Excavation revealed an improved dark grey/brown plough soil 0.30 m to 0.40 m in depth. This overlay an earlier original truncated plough soil of pale grey/brown clay loam 0.10 m to 0.20 m in depth. Exposed natural consisted of orange boulder clay. Ceramic field drains of 19th century date were observed within SI pits three and five.
- 4.1.3 No archaeologically significant material was observed during the excavation of the SI pits.



Plate 1 SI Pit 5 south facing section



Plate 2 Trench 1 post excavation from north-east



Plate 3 Trench 5 post excavation from north

4.2 Archaeological Evaluation

- 4.2.1 The evaluation was undertaken on the 7th 8th November 2016. Weather conditions were dry allowing for good archaeological visibility throughout. The development area measures c. 2.7 ha. A 5% evaluation (675 linear metres) was required by East Lothian Council. However due to access restrictions within the north-eastern and south-western areas of the site only the central area was available for evaluation. Nevertheless a total of 575 linear metres were excavated (Figure 2).
- 4.3 The evaluation produced a similar profile to that revealed during the SI pit monitoring. This consisted of an improved dark grey/brown plough-soil (01) ranging from 0.30 m to 0.40 m in depth and containing numerous sherds of white 19th century ceramics. This in turn overlay an earlier, truncated plough-soil (02) 0.10 m to 0.20 m in depth. Underlying the agricultural deposits was natural drift geology of pale orange boulder clay (03). Numerous plough scars and stone drags were in evidence within the natural.
- 4.4 Numerous deeply set ceramic drains of 19th century date were observed. These were cut at 5.0 m intervals and aligned north to south across the site area.
- 4.4 No archaeologically significant features or materials were observed.

5 CONCLUSION AND RECOMMENDATIONS

5.1 Given the negative findings produced by the current works no further archaeological mitigation associated with the central portion of the proposed development are considered necessary. However, further mitigation may be required within the currently restricted areas to the south-west and north-east. This latter area is the site of the former brick-works visible on the 1st edition OS map of 1855. This will be decided by Ms Helena Gray of East Lothian Council Archaeology Service (ELCAS) who advise Midlothian Council on archaeological matters.

6 REFERENCES

AOC Archaeology 2016, Redmains farm, Pencaitland, East Lothian: Archaeological Works Written Scheme of Investigation Unpublished AOC project design

Scottish Government 2014 Scottish Planning Policy, 2014

Scottish Government 2011 Planning And Archaeology 2/2011

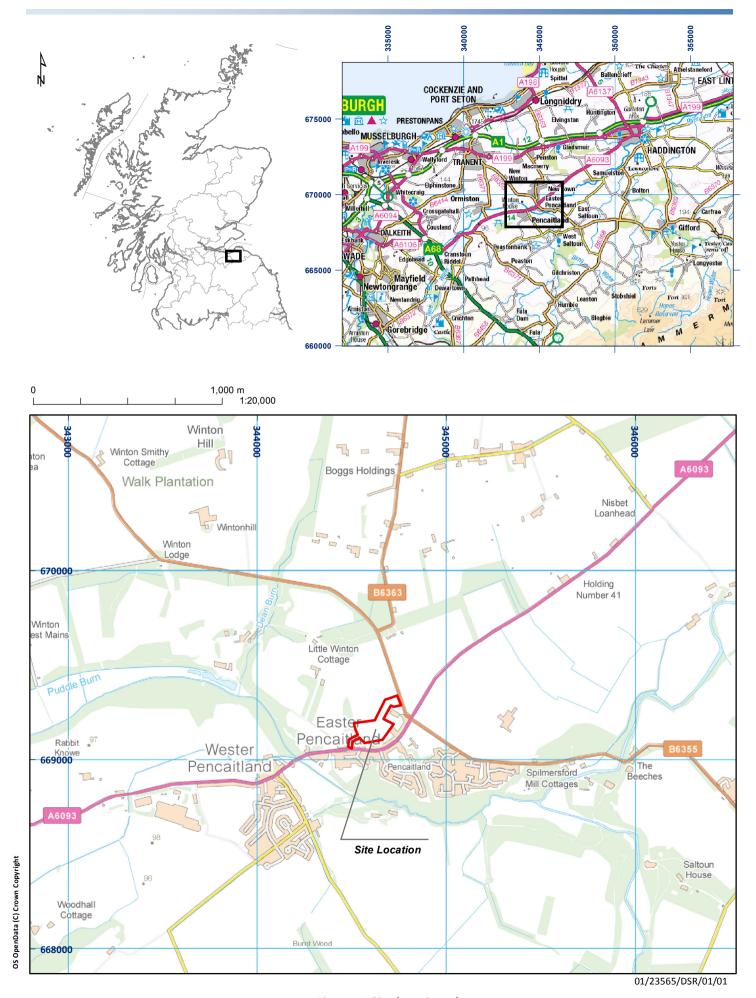


Figure 1: Site location plan

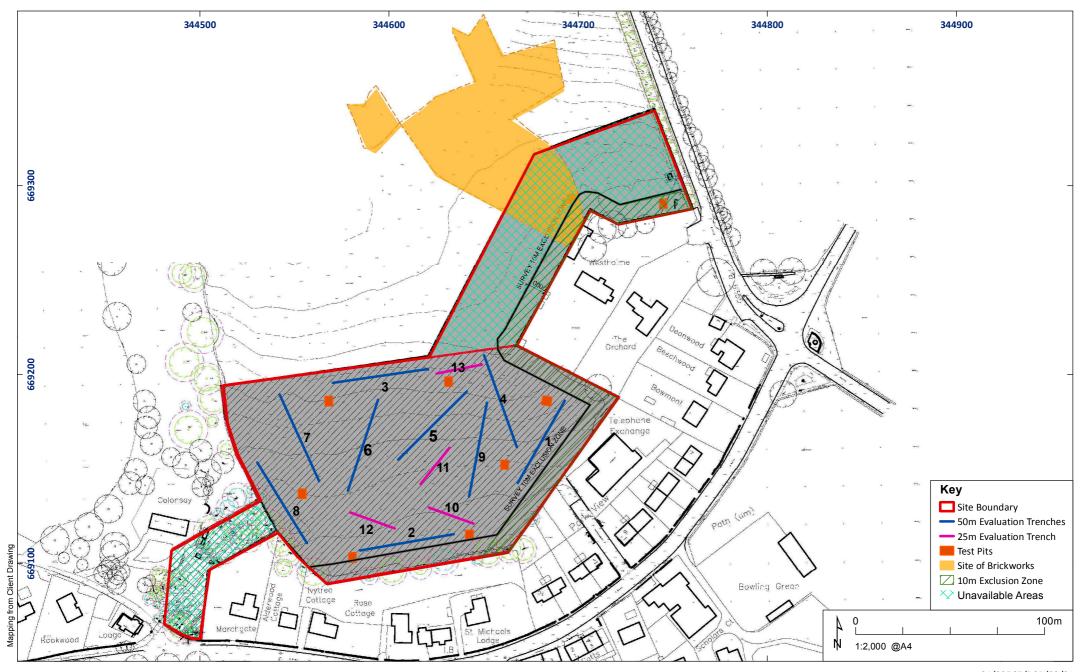


Figure 2: Trench Location Plan

01/23565/DSR/02/01

Redmains Farm, Pencaitland, East Lothian: **Archaeological Evaluation Data Structure Report**

Section 2: Appendices

APPENDIX 1: SI Pit Descriptions

Pit 1

Dimensions 1.80 m by 0.70 m Plough-soil(01) 0.40 m in depth Plough-soil(02) 0.20 m in depth Depth of Excavation 0.85 m in depth

Significant Features None Other Features None

Natural Subsoil Pale orange boulder clay

Finds 19th century ceramic sherds within (01)

Pit 2

Dimensions 1.80 m by 0.70 m 0.35 m in depth Plough-soil(01) Plough-soil(02) 0.20 m in depth 0.85 m in depth Depth of Excavation

Significant Features None Other Features None

Natural Subsoil Pale orange boulder clay

19th century ceramic sherds within (01) Finds

Pit 3

Dimensions 1.80 m by 0.70 m Plough-soil(01) 0.35 m in depth Plough-soil(02) 0.20 m in depth Depth of Excavation 0.85 m in depth

Significant Features None

Other Features Ceramic filed drain Natural Subsoil Pale orange boulder clay

19th century ceramic sherds within (01) Finds

Pit 4

Dimensions 1.80 m by 0.70 m Plough-soil(01) 0.35 m in depth Plough-soil(02) 0.20 m in depth 0.85 m in depth Depth of Excavation

Significant Features None Other Features None

Natural Subsoil Pale orange boulder clay with numerous stone-drags and plough scars

19th century ceramic sherds within (01) Finds

Pit 5

Dimensions 1.10 m by 0.70 m Plough-soil(01) 0.40 m in depth 0.20 m in depth Plough-soil(02) Depth of Excavation 1.10 m in depth

Significant Features

Other Features Ceramic filed drain Natural Subsoil Pale orange boulder clay

Finds 19th century ceramic sherds within (01)

Pit 6

1.90 m by 0.70 m **Dimensions** Plough-soil(01) 0.30 m in depth Plough-soil(02) 0.20 m in depth Depth of Excavation 0.75 m in depth

Significant Features None Other Features None

Natural Subsoil Pale orange boulder clay

Finds 19th century ceramic sherds within (01)

Pit 7

Dimensions 1.90 m by 0.70 m Plough-soil(01) 0.30 m in depth Plough-soil(02) 0.20 m in depth Depth of Excavation 0.80 m in depth

Significant Features None Other Features None

Natural Subsoil Pale orange boulder clay

Finds 19th century ceramic sherds within (01)

APPENDIX 2: Trench Descriptions

Trench 1

Dimensions 50 m by 2.0 m **Excavated Orientation** NE to SW

Plough-soil (01) 0.20 m - 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.40 m - 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 2

Dimensions 50 m by 2.0 m

Excavated Orientation E to W

Plough-soil (01) 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.40 m - 0.50 m in depth

Significant Features

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 3

Dimensions 50 m by 2.0 m

Excavated Orientation W to E

Plough-soil (01) 0.40 m in depth Plough-soil (02) 0.10 m

Depth of Excavation 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 4

Dimensions 50 m by 2.0 m **Excavated Orientation** NW to SE Plough-soil (01) 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.50 m in depth

Significant Features None Other Features None

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 5

50 m by 2.0 m **Dimensions Excavated Orientation** NE to SW Plough-soil (01) 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 6

Dimensions 50 m by 2.0 m **Excavated Orientation** NE to SW

0.20 m - 0.40 m in depth Plough-soil (01)

Plough-soil (02) 0.10 m

Depth of Excavation 0.40 m - 0.50 m in depth

Significant Features

Other Features Old water pipe at 0.5 m aligned N-S. Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 7

Dimensions 50 m by 2.0 m

Excavated Orientation N to S

Plough-soil (01) 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 6.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

19th century ceramic sherds within (01) Finds

Trench 8

Dimensions 50 m by 2.0 m

Excavated Orientation N to S Plough-soil (01) 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 9

Dimensions 50 m by 2.0 m **Excavated Orientation** NNE to SSW Plough-soil (01) 0.40 m in depth 0.10 m -0.20 m Plough-soil (02)

Depth of Excavation 0.50 m - 0.60 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

19th century ceramic sherds within (01) Finds

Trench 10

Dimensions 50 m by 2.0 m **Excavated Orientation** SE to NW 0.40 m in depth Plough-soil (01)

Plough-soil (02) 0.10 m

Depth of Excavation 0.40 m - 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 11

Dimensions 25 m by 2.0 m **Excavated Orientation** SW to NE Plough-soil (01) 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.40 m - 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 12

Dimensions 25 m by 2.0 m Excavated Orientation SE to NW

Plough-soil (01) 0.30 m - 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.40 m - 0.50 m in depth

Significant Features None

Other Features Ceramic drain at 5.0 m intervals aligned N-S

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

Finds 19th century ceramic sherds within (01)

Trench 13

25 m by 2.0 m **Dimensions**

Excavated Orientation E to W

Plough-soil (01) 0.20 m - 0.40 m in depth

Plough-soil (02) 0.10 m

Depth of Excavation 0.40 m - 0.50 m in depth

Significant Features None

Ceramic drain at 5.0 m intervals aligned N-S Other Features

Natural Subsoil Pale orange boulder clay with occasional stone-drags and plough scars

19th century ceramic sherds within (01) Finds

APPENDIX 3: Context Register

Frame	Description		
01	Modern plough-soil – dark grey/brown clay loam containing organic material and numerous sherds of 19 th century white ceramic, glass and stoneware. 0.20 m to 0.40 m in depth		
02	Old pre 19 th century plough-soil – pale grey brown clay loam. 0.10 m to 0.20 m in depth. No small finds.		
03	Natural – orange glacial clay with occasional sub-rounded boulders, plough scars. Clay becomes sandy towards summit of slope.		

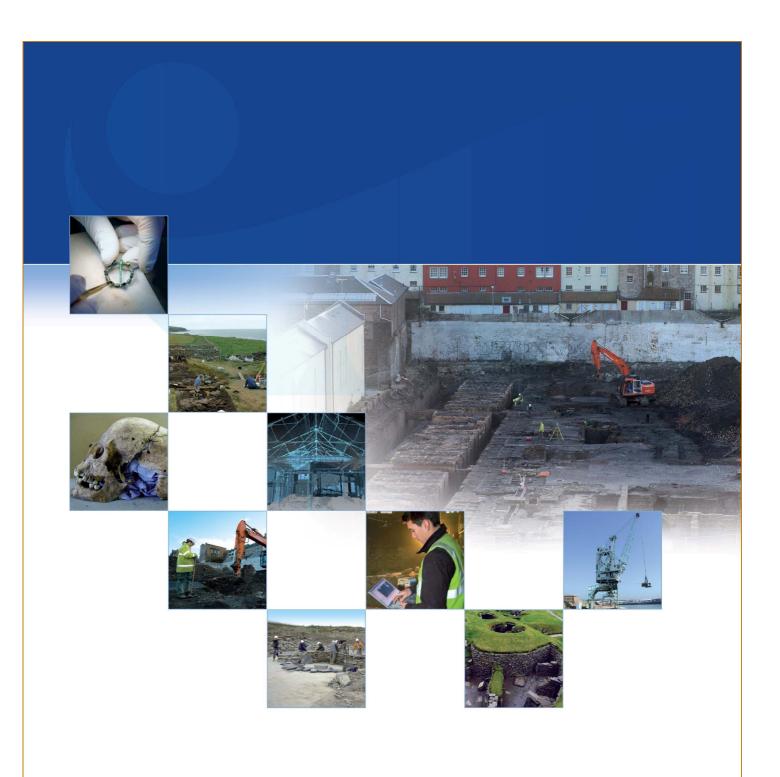
APPENDIX 4: Photographic Register

Digital Photographs

Frame	Description	From
1	Registration shot	-
6	Trench 1 post-excavation shot	NE
7	Trench 2 post-excavation shot	Е
8	Trench 3 post-excavation shot	W
9	Trench 4 post-excavation shot	N
10	Trench 5 post-excavation shot	N
10	Trench 6 post-excavation shot	NW
11	Trench 7 post-excavation shot	SW
12	Trench 8 post-excavation shot	NW
13	Trench 9 post-excavation shot	SW
14	Trench 10 post-excavation shot	SW
15	Trench 11 post-excavation shot	S
16	Trench 12 post-excavation shot	NW
17	Trench 13 post-excavation shot	W
18	Site shots post evaluation	var

APPENDIX 5: 'Discovery and Excavation in Scotland' Report

LOCAL AUTHORITY:	East Lothian Council
PROJECT TITLE/SITE NAME	Redmains Farm, Pencaitland, East Lothian
PROJECT CODE:	AOC 23565
PARISH:	Pencaitland
NAME OF CONTRIBUTOR:	Rob Engl
NAME OF ORGANISATION:	AOC Archaeology Group
TYPE(S) OF PROJECT:	Archaeological Monitoring & Evaluation
NMRS NO(S)	N/A
SITE/MONUMENT TYPE(S):	N/A
SIGNIFICANT FINDS:	None
NGR (2 letters, 6 figures)	NT 44609 69183
START DATE (this season)	28 th September 2016
END DATE (this season)	8 th November 2016
PREVIOUS WORK (incl. DES	None
ref.) MAIN (NARRATIVE)	This report presents the results of archaeological works undertaken in
DESCRIPTION:	· · ·
(May include information from	relation to a proposed housing development at Redmains Farm,
other fields)	Pencaitland, East Lothian (NGR: NT 44609 69183).
	The works were to originally consist of the archaeological monitoring of
	nine SI pits together with an archaeological evaluation requiring a 5%
	trenching sample (675 linear metres) of the proposed 2.75 hectare
	, , ,
	development area. However, due to restricted access a total of seven SI
	pits were monitored and a total 575 linear metres were excavated.
	Trenching revealed two plough-soils overlying predominant drift geology
	of glacial clays. The natural was cut by 19 th century ceramic drains set
	at 5.0 m intervals. No significant archaeological material was observed.
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	
SPONSOR OR FUNDING	East Lothian Council
BODY:	Edwafield Dood Industrial Estate Localised Middelhier EU00 2007
ADDRESS OF MAIN CONTRIBUTOR:	Edgefield Road Industrial Estate, Loanhead, Midlothian, EH20 9SY
EMAIL ADDRESS:	admin@aocarchaeology.com
ARCHIVE LOCATION	Archive to be deposited in NMRS
(intended/deposited)	





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