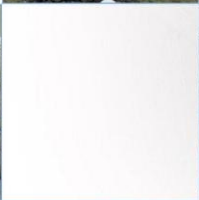
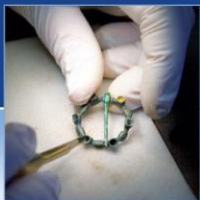


Kirktonbarns Farm, Fife: Archaeological Evaluation Data Structure Report

AOC Project 23562

20th October 2016

Planning Ref: 15/00545/FUL



ARCHAEOLOGY

HERITAGE

CONSERVATION

Kirktonbarns Farm, Fife:

Archaeological Evaluation Data Structure Report

On Behalf of: Selettra Holding Ltd

National Grid Reference (NGR): NO 44410 26547

OASIS No: 1-265995

AOC Project No: 23562

Prepared by: Rob Engl

Date of Fieldwork: 14th – 19th October 2016

Date of Report: 20th October 2016

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

Author: Rob Engl	Date: 20 th October 2016
Approved by: Martin Cook	Date: 20 th October 2016
Draft/Final Report Stage: Draft	Date: 20 th October 2016

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Abstract

This report presents the results of an archaeological evaluation undertaken in relation to a proposed Solar Farm development at Kirktonbarnes Farm, near Tayport, Fife (NGR: NO 44410 26547).

The evaluation required a 5% trenching sample of the proposed 8.95 hectare development area. The development is situated on south facing sloping farmland associated with Kirktonbarnes Farm.

Trenching revealed drift geology to consist predominantly of glacial clay till with numerous outcrops of foliated bed-rock. The lower part of the development area revealed rubble drains set at 5.0 m intervals. The natural was overlain by a shallow improved plough soil which ranged from 0.20 m to 0.40 m in depth.

No archaeologically significant remains were observed. Occasional sherds of 19th century ceramics were observed within the plough soil.

Given the lack of significant archaeological remains and the level of recording undertaken no further works are considered necessary. This will be determined by Mr Douglas Speirs Archaeologist for Fife Council.

1 INTRODUCTION

1.1 Background

1.1.1 AOC Archaeology Group were commissioned by Selettra Holding Ltd, to undertake an archaeological evaluation in advance of a proposed Solar Farm on land at Kirktonbarnes Farm, near Tayport, Fife. The evaluation was undertaken as a condition of planning consent (15/00545/FUL) and as demanded in accordance with Policies 1 & 14 of the Fife Local Plan (Fifeplan).

1.1.2 The works were conducted according to the terms of a *Written Scheme of Investigation* (AOC 2016) approved by Mr Speirs on behalf of Fife 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).

1.2 Location

1.2.1 The site (NGR; NO 44410 26547 centred) lies within sloping agricultural land associated with Kirktonbarnes Farm. The site is bounded to the east by an existing farm track and by a small copse of woodland to the north.

1.3 Archaeological Background

1.3.1 The site lies within a rich prehistoric landscape. Numerous crop-marks relating to unenclosed settlement are located close to the site at such as at Lawhouses (NO42 NE58 & NO42 NE47) where numerous pits and possible souterrains have been identified. Further unenclosed settlement evidence (NO42 NW 25) is located to the north and south of the site consisting of possible prehistoric roundhouses, pits and linear features.

1.3.2 The remains of the 16th century Kirkton Barns House and its associated Dovecot (NO42 NW19 & 1901) lie to the south of the proposed 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 The archaeological evaluation was designed to meet the requirements of Fife Council as advised by Mr Douglas Speirs, Fife Council Archaeologist.
- 3.2 The development area measures c. 8.9 ha. The Council required that a 5% evaluation was undertaken across the site, therefore requiring trenching totalling 1,950 linear metres.
- 3.3 The evaluation was undertaken by a 13 tonne excavator equipped with 2.0 m wide ditching bucket. Excavation was undertaken in shallow units/spits until natural drift geology 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 The archaeological evaluation was undertaken on the 14th – 19th October 2016. Weather conditions were relatively dry allowing for good archaeological visibility throughout. A total of 1,950 linear metres were opened across of the proposed development area (Figure 2). The area available for evaluation was reduced by the presence of drumlins and live services.
- 4.2 The evaluation trenches revealed a thin, improved clay plough-soil ranging from 0.20 m to 0.40 m in depth. Occasional sherds of white and patterned ceramics were observed in several of the trenches.
- 4.3 The plough-soil lay directly over natural drift geology of orange-brown boulder clay. Numerous plough scars were present. Numerous areas of shallow, exposed bed-rock were revealed. These occurred in almost all of the trenches.
- 4.4 Numerous deeply set rubble drains of 18th and 19th century date were observed at 5.0 m intervals and aligned NE/SW across the southern, lower portion of the site area.
- 4.8 No archaeologically significant features or materials were observed.



Plate 1 Excavation showing exposed bedrock



Plate 2 Trench 3 Post-excitation



Plate 3 Trench 8 Post-excitation

5 CONCLUSION AND RECOMMENDATIONS

- 5.1 Given the negative findings produced by the evaluation no further archaeological works associated with this area of the development are considered necessary. This will be decided by Mr Douglas Speirs Archaeologist for Fife Council who advises Fife Council on archaeological matters.

6 REFERENCES

AOC Archaeology 2016, *Kirktonbarns, Fife: Archaeological Evaluation Written Scheme of Investigation* Unpublished AOC project design

Scottish Government 2014 *Scottish Planning Policy*, 2014

Scottish Government 2011 *Planning And Archaeology 2/2011*

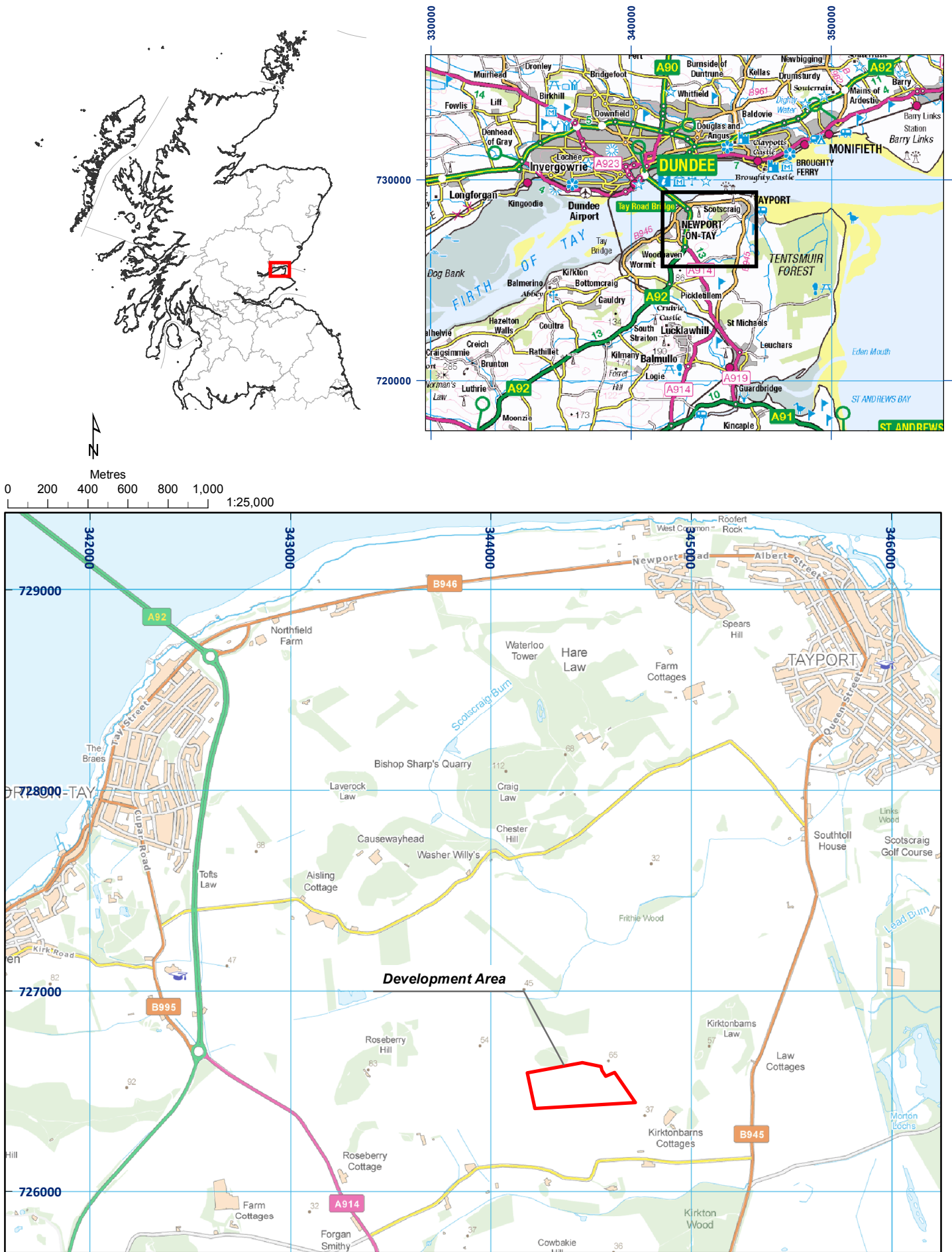


Figure 1: Site location plan

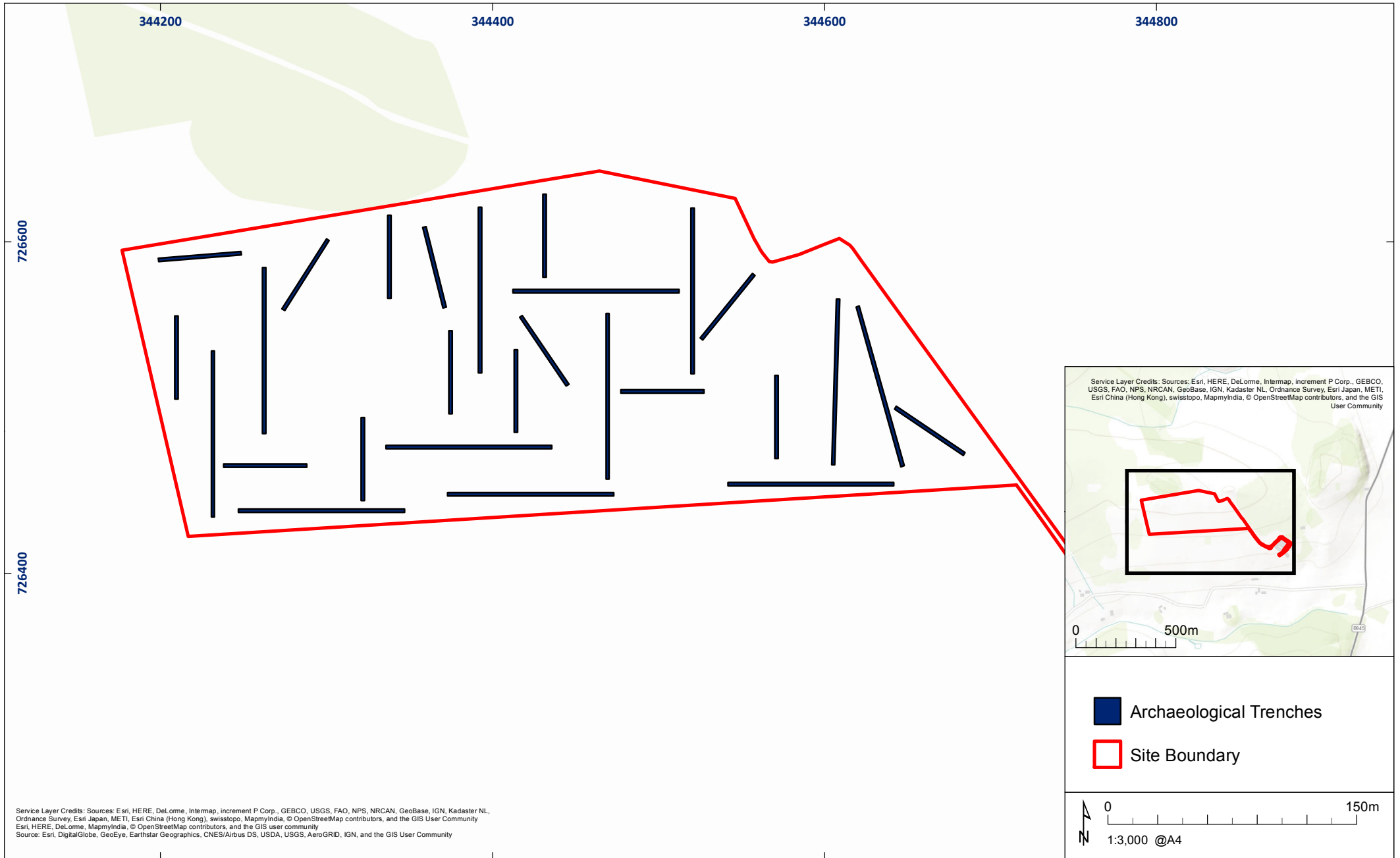


Figure 2: Trench location plan

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Kirktonbarns Farm, Fife: Archaeological Evaluation Data Structure Report

Section 2: Appendices

APPENDIX 1: Trench Descriptions

Trench 1

<i>Dimensions</i>	100 m by 2.0 m
<i>Excavated Orientation</i>	S to N
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.40 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 2

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	NE to SW
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 3

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	S to N
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.35 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	Occasional white ceramic

Trench 4

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.25 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.30 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 5

<i>Dimensions</i>	100 m by 2.0 m
<i>Excavated Orientation</i>	E to W
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 6

<i>Dimensions</i>	100 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 7

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	NE to SW
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.35 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 8

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 9

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	NE to SW
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 10

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	E to W
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.35 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 11

<i>Dimensions</i>	50 m by 2.0 m
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<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.30 m
<i>Depth of Excavation</i>	0.35 m
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 12

<i>Dimensions</i>	100 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.32 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 13

<i>Dimensions</i>	100 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.35 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 14

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.35 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	White ceramic

Trench 15

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	E to W
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.40 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 16

<i>Dimensions</i>	60 m by 2.0 m
<i>Excavated Orientation</i>	E to W
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.35 m in depth
<i>Significant Features</i>	None

<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 17

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 18

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	E to W
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 19

<i>Dimensions</i>	100 m by 2.0 m
<i>Excavated Orientation</i>	S to N
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 20

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	SE to NW
<i>Plough-soil</i>	0.20 m - 0.30 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.32 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock
<i>Finds</i>	None

Trench 21

<i>Dimensions</i>	50 m by 2.0 m
<i>Excavated Orientation</i>	N to S
<i>Plough-soil</i>	0.20 m - 0.40 m in depth
<i>Depth of Excavation</i>	0.22 m – 0.45 m in depth
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Natural Subsoil</i>	Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock

Finds None

Trench 22

Dimensions 100 m by 2.0 m

Excavated Orientation E to W

Plough-soil 0.20 m - 0.30 m in depth

Depth of Excavation 0.22 m – 0.35 m in depth

Significant Features None

Other Features None

Natural Subsoil Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock

Finds None

Trench 23

Dimensions 50 m by 2.0 m

Excavated Orientation E to W

Plough-soil 0.20 m - 0.35 m in depth

Depth of Excavation 0.22 m – 0.40 m in depth

Significant Features None

Other Features Rubble drains at 5.0 m intervals NW-SE

Natural Subsoil Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock

Finds None

Trench 24

Dimensions 100 m by 2.0 m

Excavated Orientation E to W

Plough-soil 0.20 m - 0.30 m in depth

Depth of Excavation 0.22 m – 0.35 m in depth

Significant Features None

Other Features Rubble drains at 5.0 m intervals NW-SE

Natural Subsoil Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock

Finds None

Trench 25

Dimensions 100 m by 2.0 m

Excavated Orientation S to N

Plough-soil 0.20 m - 0.30 m in depth

Depth of Excavation 0.22 m – 0.35 m in depth

Significant Features None

Other Features None

Natural Subsoil Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock

Finds None

Trench 26

Dimensions 100 m by 2.0 m

Excavated Orientation NE to SW

Plough-soil 0.20 m - 0.30 m in depth

Depth of Excavation 0.22 m – 0.35 m in depth

Significant Features None

Other Features None

Natural Subsoil Glacial till of orange brown boulder clay with plough scars and patches of exposed bed-rock

Finds None

APPENDIX 2: Photographic Register

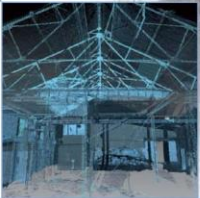
Digital Photographs

Frame	Description	From
1	Registration shot	-
2	Trench 1 post-excavation shot	N
3	Trench 2 post-excavation shot	SW
4	Trench 3 post-excavation shot	N
5	Trench 4 post-excavation shot	S
6	Trench 5 post-excavation shot	W
7	Trench 6 post-excavation shot	S
8	Trench 7 post-excavation shot	SE
9	Trench 8 post-excavation shot	S
10	Trench 9 post-excavation shot	SW
11	Trench 10 post-excavation shot	E
12	Trench 11 post-excavation shot	N
13	Trench 12 post-excavation shot	N
14	Trench 13 post-excavation shot	S
15	Trench 14 post-excavation shot	N
16	Trench 15 post-excavation shot	N
17	Trench 16 post-excavation shot	E
18	Trench 17 post-excavation shot	E
19	Trench 18 post-excavation shot	E
20	Trench 19 post-excavation shot	N
21	Trench 20 post-excavation shot	SE
22	Trench 20 exposed rock-head	NW
23	Trench 21 post-excavation shot	N
24	Trench 22 post-excavation shot	E
25	Trench 23 post-excavation shot	E
26	Trench 24 post-excavation shot	W
27	Trench 25 post-excavation shot	NW
28	Trench 24 post-excavation shot	N
29	Trench 25 post-excavation shot	N
30	Trench 26 post-excavation shot	NW

APPENDIX 4: 'Discovery and Excavation in Scotland' Report

LOCAL AUTHORITY:	Fife Council
PROJECT TITLE/SITE NAME	Kirktonbarnes Farm, Fife
PROJECT CODE:	AOC 23562
PARISH:	Ferryport on Craig
NAME OF CONTRIBUTOR:	Rob Engl
NAME OF ORGANISATION:	AOC Archaeology Group
TYPE(S) OF PROJECT:	Archaeological Evaluation
NMRS NO(S)	N/A
SITE/MONUMENT TYPE(S):	N/A
SIGNIFICANT FINDS:	N/A
NGR (2 letters, 6 figures)	NO 44410 26547
START DATE (this season)	14 th October 2016
END DATE (this season)	19 th October 2016
PREVIOUS WORK (incl. DES ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	<p>This report presents the results of an archaeological evaluation undertaken in relation to a proposed Solar Farm development at Kirktonbarnes Farm, near Tayport, Fife (NGR: NO 44410 26547).</p> <p>The evaluation required a 5% trenching sample of the proposed 8.95 hectare development area. The development is situated on south facing sloping farmland associated with Kirktonbarnes Farm.</p> <p>Trenching revealed drift geology to consist predominantly of glacial clay till with numerous outcrops of foliated bed-rock. The lower part of the development area revealed rubble drains set at 5.0 m intervals. The natural was overlain by a shallow improved plough soil which ranged from 0.20 m to 0.40 m in depth.</p> <p>No archaeologically significant remains were observed. Occasional sherds of 19th century ceramics were observed within the plough soil.</p> <p>Given the lack of significant archaeological remains and the level of recording undertaken no further works are considered necessary. This will be determined by Mr Douglas Speirs Archaeologist for Fife Council.</p>
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	---
SPONSOR OR FUNDING BODY:	
ADDRESS OF MAIN	Edgefield Road Industrial Estate, Loanhead, Midlothian, EH20 9SY

CONTRIBUTOR:	
EMAIL ADDRESS:	admin@aocarchaeology.com
ARCHIVE LOCATION (intended/deposited)	Archive to be deposited in NMRS



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