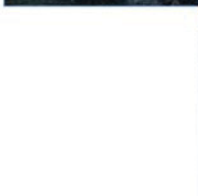
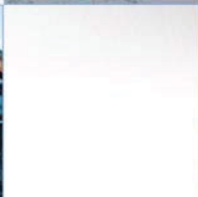
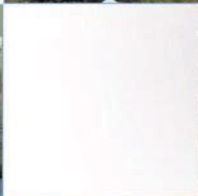
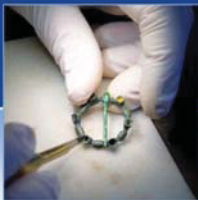


Olympic Rings Business Park, Dundonald, Ayrshire: Archaeological Evaluation Data Structure Report

AOCarcha1-1-138332

AOC Project 22309

29th November 2012



Olympic Rings Business Park, Dundonald, Ayrshire

Archaeological Evaluation Data Structure Report

On Behalf of: John Fife
Per Hunter Mining Offshore Ltd
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National Grid Reference (NGR): NS 3599 3559

AOC Project No: 22309

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Date of Fieldwork: 21st November 2012

Date of Report: 29th November 2012

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

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Abstract

This report presents the results of an archaeological evaluation undertaken during the extension of the Olympic Rings Business Park, Dundonald, Ayrshire.

The area was subject to an 8% sample evaluation comprising 610 linear metres. The works revealed that the eastern half of the site had undergone severe recent truncation to a depth of approximately three metres. Demolition material had then been introduced into the area. The truncation had also adversely affected the drainage of the area with a sizeable bog forming to its immediate west.

Neither significant archaeological features nor artefacts were encountered and no further works are necessary.

1 INTRODUCTION

1.1 Background

1.1.1 AOC Archaeology Group was commissioned by Mr John Fife on behalf of Hunter Mining Offshore Ltd to undertake an archaeological evaluation prior to the extension of the Olympic Rings Business Park, Dundonald, Ayrshire. The evaluation was undertaken in respect to the planning condition (Planning Ref: 12/00160/APP) in order to satisfy the requirements of the local planning authority, South Ayrshire Council who are advised on archaeological matters by the West of Scotland Archaeology Service (WoSAS) Archaeology Service (CECAS). The works were conducted according to the terms of a *Written Scheme of Investigation* (AOC 2012) in accordance with the principles set out in *Scottish Planning Policy* (Scottish Government 2010) and *PAN 2/2011 Planning & Archaeology* (Scottish Government 2011).

1.2 Location

1.2.1 The proposed development area is located on the northern edge of Dundonald, South Ayrshire and is presently comprised of open farmland (NGR: NS 3599 3559). The development area is bounded to the north by the present business park and to the south, east and west by existing agricultural land.

1.3 Archaeological background

1.3.1 There are no known archaeological sites situated within the development area. However, Dundonald Castle and several prehistoric monuments are located nearby.

1.3.2 Elements of Second World War activity are thought to exist on site (Paul Robins WoSAS *pers comm.*).

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 including proposed WWII activity 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 evaluation comprised machine trenching of an 8% sample within the development area. Total trenching was initially to consist of 720 linear metres. However, given that approximately 40% of the site had suffered severe truncation this was reduced, after consultation with WoSAS, to 603 linear metres.

3.2 The evaluation was undertaken by an 18 tonne excavator with a 2.0 m wide bladed ditching bucket. Excavation was undertaken in units/spits until the first significant archaeological horizon or natural subsoil 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 2012). The trenches were not backfilled.

4 RESULTS

- 4.1 The archaeological evaluation was undertaken on the 21st November 2012. Overall weather conditions were generally dry and archaeological visibility was good.



Plate 1; Trench 1 Post-excitation

- 4.2 Trenches 1-9 were located in the western half of the site (Figure 2). Topsoil ranged from 0.20 m to 0.30 m in depth and overlay a patchy layer of red brown colluvium 0.20 m to 0.30 m in depth. The sub-soil varied from red brown clay to orange and yellow sands. Underlying this was a natural of grey boulder clay. Occasional 19th century field drains were encountered these were of clay tile and rubble type.
- 4.3 Trenches 10, 11 and 12 were excavated in the eastern portion of the development area (Figure 2). Trenches 10 and 11 were excavated to a depth of 0.60 m. Further excavation was impractical due to the large amounts of broken concrete slabs within a deposit of made ground. The loose top-soil within these trenches ranged between 0.10 m and 0.20 m and was obviously imported. The eastern third of the site had obviously undergone severe recent truncation with substantial quantities of demolition material in-filling the area to a height of 1.5 m above the original ground level. After consultation with WoSAS it was agreed to dig a trial pit (Trench 12) within the area of most obvious truncation. This 3.0 m by 3.0 m pit was excavated to a depth of 2.75 m and revealed a made ground of demolition rubble, brick and concrete.
- 4.4 To the immediate west of the made ground was a 50.0 m by 70.0 m area of boggy ground. Two trenches (13 & 14) were excavated through this and revealed that this area had previously been

truncated to natural by machine (Figure 2). This truncation and the digging out and infilling of the area to the east had obviously affected drainage within the site leading to bog formation.



Plate 2; Truncation and in-filling, at the eastern end of site.



Plate 3; Trial Pit 12 showing depth of made ground

5 CONCLUSION AND RECOMMENDATIONS

- 5.1 No significant archaeological remains or artefacts were identified during the evaluation. No further archaeological works are considered necessary. This recommendation will require confirmation by West of Scotland Archaeology Service (WoSAS) on behalf of South Ayrshire Council.

6 BIBLIOGRAPHY

AOC 2012 *Olympic Rings Business Park, Dundonald, Ayrshire: Written Scheme of Investigation*
Unpublished client report

Scottish Government 2010 *Scottish Planning Policy*, February 2010.

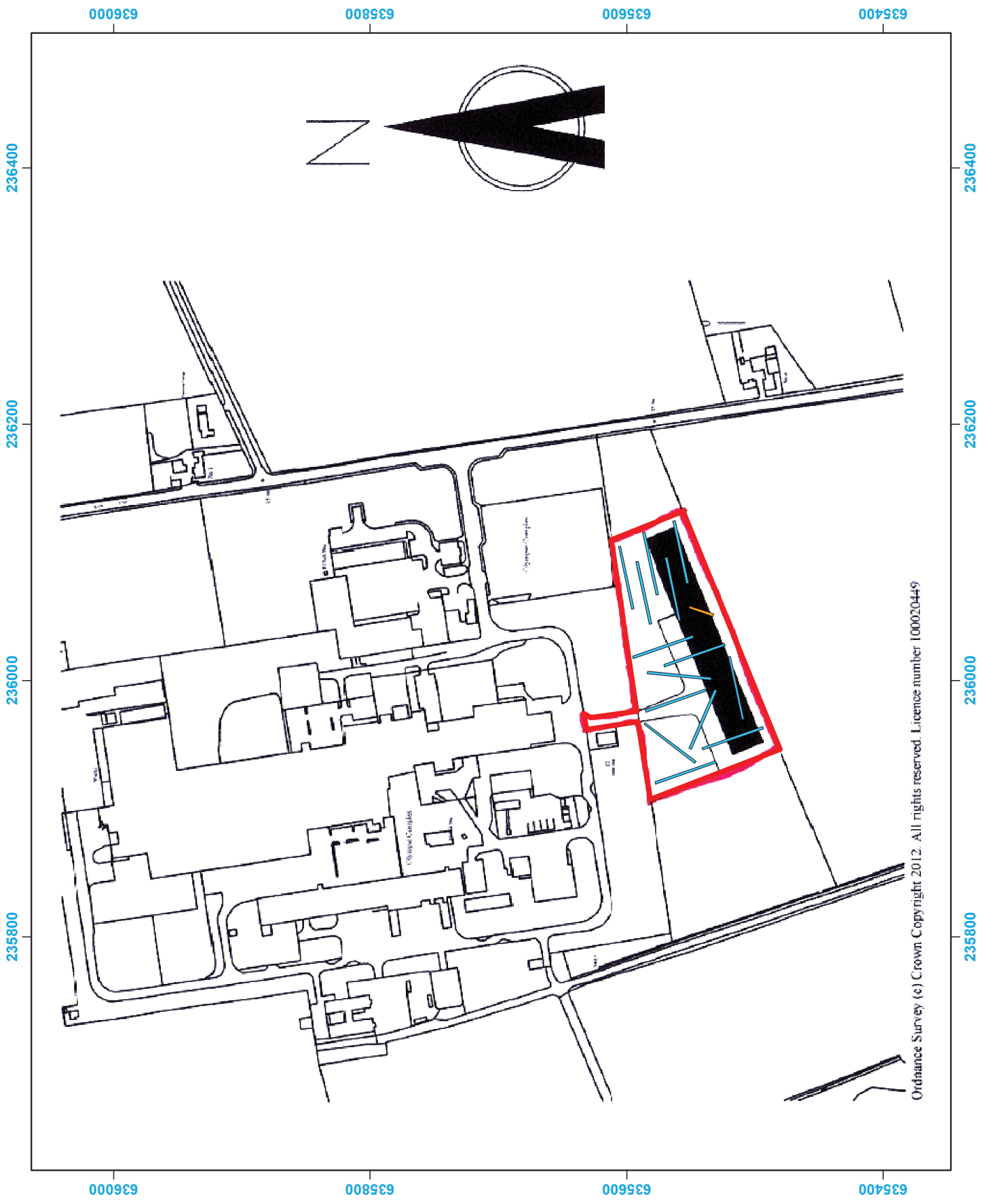
Scottish Government 2011 *Planning And Archaeology 2/2011*.

AOC 22309
Proposed trench layout

Legend
Trenches (720m linear total)
Length (m)
20
50
Site Boundary



Project No.:	22309
Date:	15/11/12
Scale at A4:	1:4,000



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AOC 22309
Trench layout

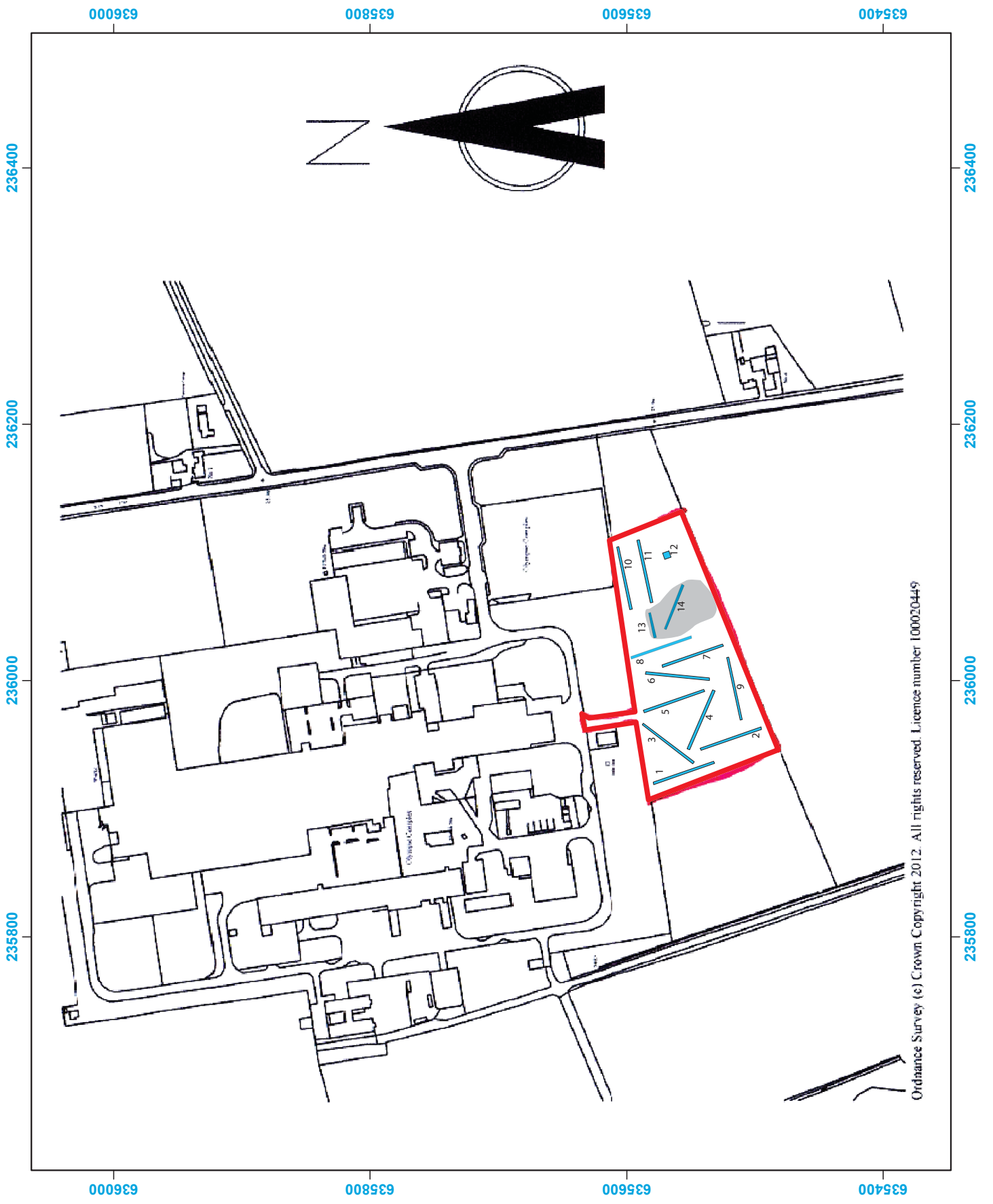
Legend

- Site Boundary
- Waterlogged Ground
- Trenches



Project No.:	22309
Date:	29/11/12
Scale at A4:	1:4,000

AOC
Archaeology
Group
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**Olympic Rings, Dundonald, Ayrshire,
Edinburgh:
Archaeological Evaluation
Data Structure Report**

Section 2: Appendices

APPENDIX 1: Trench Descriptions

Trench 1

<i>Dimensions</i>	50.0 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	NNW-SSE
<i>Top-soil Depth</i>	0.30
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.35 m
<i>Significant Features</i>	None
<i>Other Features</i>	Tile drain at 5.0 m & 15.0 m east to west
<i>Subsoil</i>	Reddish brown clay with underlying grey boulder clay. Gravel terrace at northern end
<i>Finds</i>	None

Trench 2

<i>Dimensions</i>	50 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	NNW-SSE
<i>Top-soil Depth</i>	0.30 m
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.40 m to 0.60 m
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Subsoil</i>	Red brown colluvium 0.20 m deep overlying grey boulder clay
<i>Finds</i>	None

Trench 3

<i>Dimensions</i>	50.0 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	SE-NW
<i>Top-soil Depth</i>	0.20 m to 0.30
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.35 m to 0.50 m
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Subsoil</i>	Red brown colluvium 0.20 m deep at south-east end overlying red brown clay
<i>Finds</i>	None

Trench 4

<i>Dimensions</i>	50 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	NW-SE
<i>Top-soil Depth</i>	0.20 m
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.60 m
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Subsoil</i>	Red brown colluvium 0.30 m deep overlying yellow sand
<i>Finds</i>	None

Trench 5

<i>Dimensions</i>	50.0 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	S-N

<i>Depth of Topsoil</i>	0.30 m
<i>Depth of Excavation</i>	0.50 m
<i>Significant Features</i>	None
<i>Other Features</i>	Modern trial pit at 5.0 m. Rubble drain at 0.40 m east to west
<i>Subsoil</i>	Red brown colluvium 0.30 m deep overlying orange sand
<i>Finds</i>	None

Trench 6

<i>Dimensions</i>	50.0 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	NNE-SSW
<i>Depth of Topsoil</i>	0.30 m to 0.40 m
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.50 m
<i>Significant Features</i>	None
<i>Other Features</i>	Tile drain at 12.0 m east to west
<i>Subsoil</i>	Orange sand
<i>Finds</i>	None

Trench 7

<i>Dimensions</i>	50.0 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	N-S
<i>Depth of Topsoil</i>	0.30 m
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.40 m
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Subsoil</i>	Orange sand
<i>Finds</i>	None

Trench 8

<i>Dimensions</i>	50.0 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	N-S
<i>Depth of Topsoil</i>	0.30 m
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.40 m
<i>Significant Features</i>	None
<i>Other Features</i>	Tile drain at 10.0 m east to west
<i>Subsoil</i>	Brown sandy clay
<i>Finds</i>	None

Trench 9

<i>Dimensions</i>	50 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	E-W
<i>Depth of Topsoil</i>	0.30 m
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.60 m
<i>Significant Features</i>	None
<i>Other Features</i>	Modern service cut at 4.0 m north to south
<i>Subsoil</i>	Red brown colluvium 0.20 m deep overlying Brown sandy clay

Finds None

Trench 10

Dimensions 50 m by 2 m
Total Area 100.0 m²
Orientation E-W
Depth of Topsoil 0.20 m
Depth of Made Ground 0.60 m (concrete and crushed rubble)
Depth of Excavation 0.60 m
Significant Features None
Other Features None
Subsoil Not reached
Finds None

Trench 11

Dimensions 50 m by 2 m
Total Area 100.0 m²
Orientation E-W
Depth of Topsoil 0.10 m
Depth of Made Ground 0.60 m (concrete and crushed rubble)
Depth of Excavation 0.60 m
Significant Features None
Other Features None
Subsoil Not reached
Finds None

Trench 12 (Trial Pit)

Dimensions 3 m by 3 m
Total Area 9.0 m²
Orientation -
Depth of Topsoil None
Depth of Made Ground 2.50 m (concrete, brick and crushed rubble)
Depth of Excavation 2.50 m
Significant Features None
Other Features None
Subsoil Not reached
Finds None

Trench 13

Dimensions 50 m by 2 m
Total Area 100.0 m²
Orientation E-W
Depth of Topsoil 0.10 m to 0.30 m (marsh soil)
Depth of Made Ground None
Depth of Excavation 0.40 m
Significant Features None
Other Features Tile drain at 0.0 m east to west
Subsoil Orange clay sand
Finds None

Trench 14

<i>Dimensions</i>	50 m by 2 m
<i>Total Area</i>	100.0 m ²
<i>Orientation</i>	SE-NW
<i>Depth of Topsoil</i>	0.10 m to 0.30 m (marsh soil)
<i>Depth of Made Ground</i>	None
<i>Depth of Excavation</i>	0.40 m
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Subsoil</i>	Orange clay sand
<i> Finds</i>	None

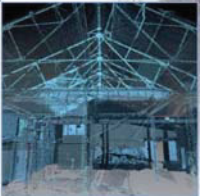
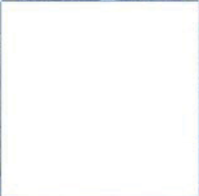
APPENDIX 2: Photographic Record

Digital Photographs

Frame	Description	From
1	Registration	-
2	Trench 1 Post ex	SSE
3	Trench 2 Post ex	SSE
4	Trench 3 Post ex	NW
5	Trench 4 Post ex	SW
6	Trench 5 Post ex	N
7	Trench 6 Post ex	S
8	Trench 7 Post ex	S
9	Trench 8 Post ex	S
10	Trench 9 Post ex	W
11-12	Trench 12 Trial Pit Post ex	N
13-14	Area of made ground eastern end of site	N-W
15-16	Trench 10 showing concrete	W
17-20	Eastern end of site showing modern scarping, in-filled area and boggy ground	N
21	Trench 13 Post ex	W
22	Trench 14 Post ex	NW

APPENDIX 3: 'Discovery and Excavation in Scotland' Report

LOCAL AUTHORITY:	South Ayrshire Council
PROJECT TITLE/SITE NAME	Olympic Rings, Dundonald, Ayrshire
PROJECT CODE:	AOC 22309
PARISH:	Dundonald
NAME OF CONTRIBUTOR:	Rob engl
NAME OF ORGANISATION:	AOC Archaeology Group
TYPE(S) OF PROJECT:	Archaeological Evaluation
NMRS NO(S)	None
SITE/MONUMENT TYPE(S):	N/A
SIGNIFICANT FINDS:	N/A
NGR (2 letters, 6 figures)	NS 3599 3559
START DATE (this season)	21 st November 2012
END DATE (this season)	21 st November 2012
PREVIOUS WORK (incl. DES ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	<p>An archaeological evaluation was undertaken prior to the extension of the Olympic Rings Business park, Dundonald, Ayrshire.</p> <p>The area was subject to an 8% sample evaluation comprising 610 linear metres. The works revealed that the eastern half of the site had undergone severe truncation in the form of sand quarrying to a depth of approximately three metres. Demolition material had then in-filled the area. The truncation had adversely affected the drainage of the area with a sizeable bog forming to the west.</p> <p>Neither significant archaeological features nor artefacts were encountered.</p>
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	---
SPONSOR OR FUNDING BODY:	John Fife per Hunter Mining
ADDRESS OF MAIN CONTRIBUTOR:	Edgefield Road Industrial Estate, Loanhead, Midlothian, EH20 9SY
EMAIL ADDRESS:	Rob.Engl@aocarchaeology.com
ARCHIVE LOCATION (intended/deposited)	Archive to be deposited in NMRS



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