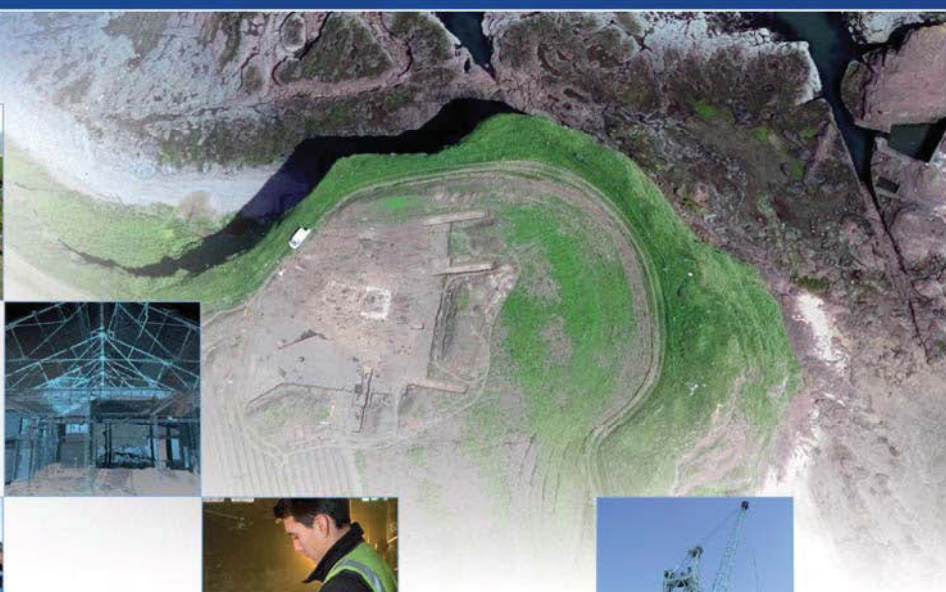


Kirkhill North, Broxburn, West Lothian: Archaeological Evaluation Data Structure Report

AOC Project 22835

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Kirkhill North, Broxburn, West Lothian:

Archaeological Evaluation Data Structure Report

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|--------------------------------|--|
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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 as part of pre-planning works for a possible development at Kirkhill North, Broxburn, West Lothian.

The evaluation required an 8% trenching sample of the available development area. A total of 42 trenches of varying lengths and alignments were excavated encountering a few agricultural furrows and field drains. No significant archaeological features or artefacts were revealed.

No further works are considered necessary within the development area.

1 INTRODUCTION

1.1 Background

- 1.1.1 AOC Archaeology Group was commissioned by Lovell Partnership Ltd. to undertake an archaeological evaluation prior to a planning application for a proposed development at Kirkhill North, Broxburn, West Lothian. The evaluation was undertaken in order to satisfy the requirements of the local planning authority, West Lothian Council who are advised on archaeological matters by the West of Scotland Archaeology Service (WoSAS). The works were conducted according to the terms of a *Written Scheme of Investigation* (AOC 2014) approved on behalf of West Lothian Council by WoSAS 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 (centred on NGR NT 0650 7260) is situated within three fields to the N of Kirkhill Primary School and the adjacent Fivestanks housing estate (Figure 1). The site is bounded by Wyndford Avenue to the west, with open fields to the north and east.

1.3 Archaeological Background

- 1.3.1 The Royal Commission on Ancient and Historical Monument of Scotland does not show any sites as lying within the development boundaries. However, as mentioned already the site lies on the edge of a residential area on the north side of Broxburn. The Kirkhill Primary School, is noted as a site (NMRS No. NT07SE 131) and lies closest to the development area.
- 1.3.2 The Royal Commission does note that an archaeological desk based assessment, (WoSAS Site ID: 4015) was completed prior to some forestry being established on a greenfield site to the north of the development area. The assessment revealed a number of visible features all of which were assumed to be relatively modern in date. These works incorporated ground close to the Carledubs Scheduled Monument (SAM No. 6201, NMRS No. NT07SE 26, WoSAS Site ID: 18175). This monument comprises an array of predominantly settlement cropmarks described in the scheduling document as follows,

The monument comprises the remains of an unenclosed prehistoric settlement visible as cropmarks captured on oblique aerial photographs. The settlement is likely to date to the Late Bronze Age or Iron Age (c 1800 BC - AD 400). The cropmarks indicate the presence of three roundhouse structures, a possible sunken-floored building, a round barrow and a number of pits. Two of the roundhouses are typical in size and form to other known examples. Both roundhouses comprise a penannular gully measuring 1-1.5m wide with an approximate external diameter of 11m; a gap in the S arc of each indicates the likely position of the entrance. To the NE of these structures are several pits ranging from 1-2m in diameter. The third roundhouse lies to the S and is much smaller, with an overall diameter of 7.5m. The sunken-floored building is sub-rectangular, measuring 8m NE-SW by approximately 3m. The round barrow is situated to the NE of the settlement and comprises a ring ditch measuring 4.5m in diameter, with a gap on the N arc. The settlement is on locally high ground at 125m above sea-level and commands extensive views in all directions, but particularly along the Forth Valley and across the Lothians.

The cropmarks are extensive but lie a few hundred metres from the development area.

- 1.3.3 Elsewhere to the southwest of the development area, there is find spot of an upper stone from a schist rotary quern, (NMRS No. NT07SE 12, WoSAS Site ID: 18160) found in the late 18th century.

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 evaluation comprised machine trenching of an 8% sample of the available development area. The total development area of 7.4 hectares was reduced to 5.6 hectares due to the presence of a live electric cable and three modern drainage ditches running throughout the site. In total 2075 linear metres of trenching was completed using a 22 tonne tracked excavator with a 2.2 m wide ditching bucket. Excavation was undertaken in shallow units/spits until the first significant archaeological horizon. 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 2014).

4 RESULTS

- 4.1 The archaeological evaluation was undertaken on the 22nd to the 25th September 2014. Overall weather conditions were good allowing for good archaeological visibility throughout the evaluation. In total, 2075 m of trenching was opened, varying in alignment and length.
- 4.2 The topsoil throughout the development area was a consistent dark greyish brown clay loam with occasional small stone inclusions, occasional fragments of 19th and 20th century ceramics as well as rare modern plastics and other modern rubbish deposits. The natural subsoil throughout the majority of the site was a mottled brown and grey clay with abundant small stones and occasional large boulders.
- 4.3 The shallow remains of N-S furrows were revealed along the N edge of Fields 2&3, and occasional rubble and ceramic tile field drains were noted in places throughout the site. However, no significant archaeological features or artefacts were encountered within any of the evaluation trenches.

5 CONCLUSION AND RECOMMENDATIONS

- 5.1 From the trenches excavated within the development area, it has been demonstrated that the area is archaeologically sterile with no significant archaeological features or artefacts revealed throughout the evaluation.
- 5.3 No further archaeological works are deemed necessary within the development area. These recommendations will have to be approved by WoSAS on behalf of West Lothian Council.

6 REFERENCES

AOC Archaeology 2014, *Kirkhill North, Kirkhill, Broxburn, West Lothian 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*



Plate 1 - Trench 5 showing proximity of trees



Plate 2 - Trench 30 showing rubble drain in foreground

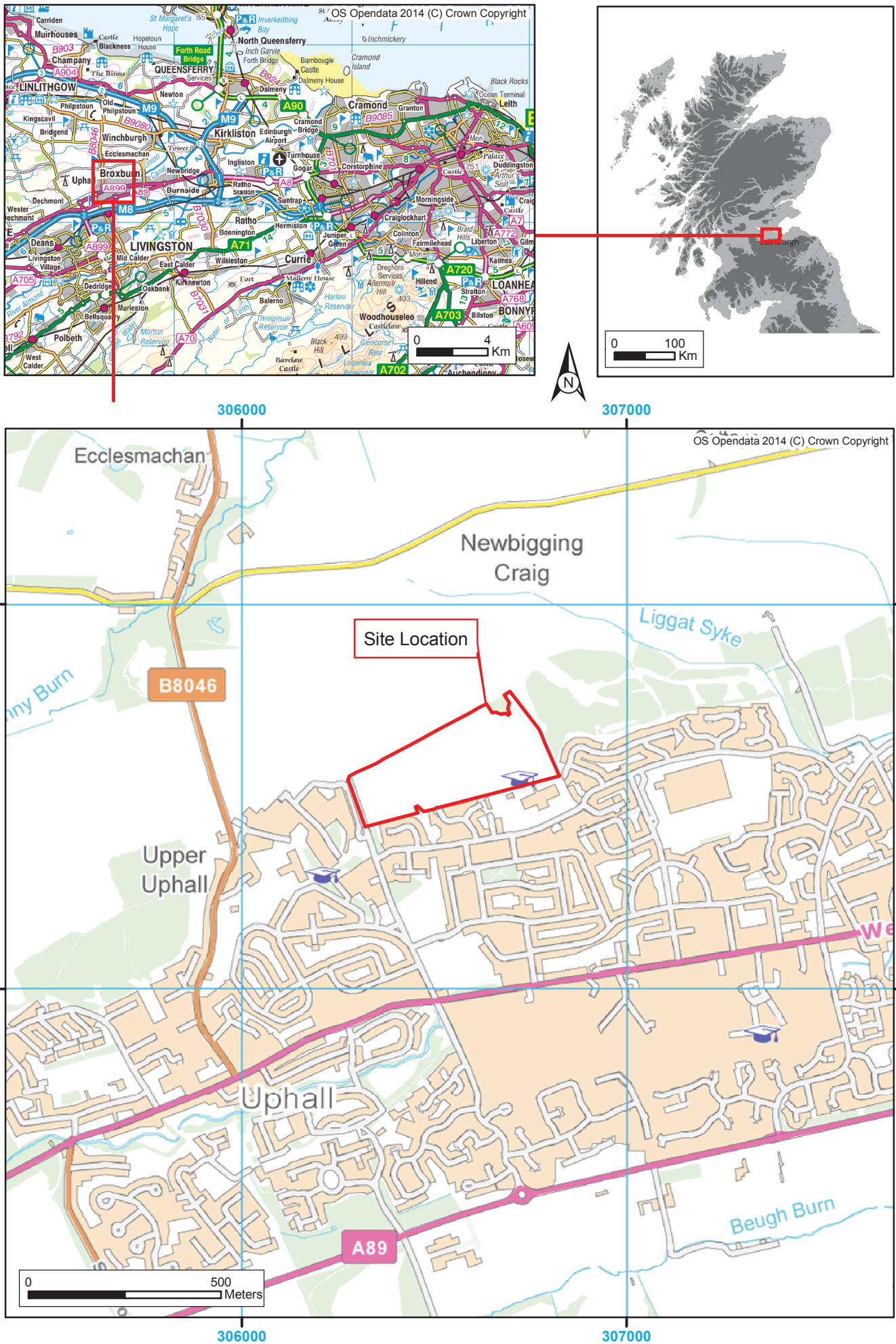


Figure 1: Site Location Plan



Figure 2 - Trench location plan

Kirkhill North, Broxburn, West Lothian: Archaeological Evaluation Data Structure Report

Section 2: Appendices

APPENDIX 1: Trench Descriptions

Trench 1

| | |
|------------------------------|--|
| <i>Dimensions</i> | 30 m by 2.2 m |
| <i>Total Area</i> | 66 m ² |
| <i>Excavated Orientation</i> | S to N |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.31 m |
| <i>Depth of Excavation</i> | 0.31 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Rubble drain at 0 m to 3 m aligned SSE-NNW |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 2

| | |
|------------------------------|--|
| <i>Dimensions</i> | 45 m by 2.2 m |
| <i>Total Area</i> | 99 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.41 m |
| <i>Depth of Excavation</i> | 0.41 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 3

| | |
|------------------------------|--|
| <i>Dimensions</i> | 65 m by 2.2 m |
| <i>Total Area</i> | 143 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.33 m |
| <i>Depth of Excavation</i> | 0.33 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 4

| | |
|------------------------------|--|
| <i>Dimensions</i> | 25 m by 2.2 m |
| <i>Total Area</i> | 55 m ² |
| <i>Excavated Orientation</i> | N to S |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.36 m |
| <i>Depth of Excavation</i> | 0.36 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Rubble drain at 7.8 m aligned E-W; Rubble drain at 10.6 m to 14.7 m aligned NE-SW |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 5

| | |
|------------------------------|-------------------|
| <i>Dimensions</i> | 35 m by 2.2 m |
| <i>Total Area</i> | 77 m ² |
| <i>Excavated Orientation</i> | E to W |

| | |
|-----------------------------|--|
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 6

| | |
|------------------------------|--|
| <i>Dimensions</i> | 55 m by 2.2 m |
| <i>Total Area</i> | 121 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.41 m |
| <i>Depth of Excavation</i> | 0.33 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Ce tile drain at 42.6 m to 44.1 m aligned NE-SW |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 7

| | |
|------------------------------|--|
| <i>Dimensions</i> | 90 m by 2.2 m |
| <i>Total Area</i> | 198 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.35 m |
| <i>Depth of Excavation</i> | 0.35 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Rubble drain at 9.4 m aligned N-S |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 8

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.38 m |
| <i>Depth of Excavation</i> | 0.38 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 9

| | |
|------------------------------|---|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish (bunded topsoil) – max depth 0.62 m ; Plough soil – mid brown silty clay with occasional stone inclusions and frequent coal flecks – max depth 0.28 m |
| <i>Depth of Excavation</i> | 0.62 m |
| <i>Significant Features</i> | None |

| | |
|------------------------|--|
| <i>Other Features</i> | Plough scarring and possible machine scraped cuts with modern topsoil and modern rubbish within. |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 10

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 11

| | |
|------------------------------|--|
| <i>Dimensions</i> | 30 m by 2.2 m |
| <i>Total Area</i> | 66 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 12

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | S to N |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.37 m |
| <i>Depth of Excavation</i> | 0.37 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions, changing to degraded yellow bedrock from 40 m. |
| <i>Finds</i> | None |

Trench 13

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | NW to SE |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.33 m |
| <i>Depth of Excavation</i> | 0.33 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Furrow at 6.5 m to 14 m aligned N-S measuring 1.5 m wide; Rubble drain at 4.7 m aligned SW-NE |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |

Finds None

Trench 14

Dimensions 50 m by 2.2 m

Total Area 110 m²

Excavated Orientation S to N

Soil Make-up Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.36 m

Depth of Excavation 0.36 m

Significant Features None

Other Features None

Natural Subsoil Mottled brown and grey clay with frequent small stone inclusions, changing to degraded yellow bedrock at 43 m.

Finds None

Trench 15

Dimensions 75 m by 2.2 m

Total Area 165 m²

Excavated Orientation W to E

Soil Make-up Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m

Depth of Excavation 0.34 m

Significant Features None

Other Features Furrows at 3.4 m, 16.9 m, 29.7 m, 36 m, 41.9 m, and 53.5 m aligned N-S and varying in width from 1.1 m to 1.8 m.

Natural Subsoil Mottled brown and grey clay with frequent small stone inclusions

Finds None

Trench 16

Dimensions 50 m by 2.2 m

Total Area 110 m²

Excavated Orientation NW to SE

Soil Make-up Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m

Depth of Excavation 0.34 m

Significant Features None

Other Features Furrow at 6 m to 12.2 m then 27.8 m to 30.5 m aligned N-S

Natural Subsoil Degraded yellow bedrock until 13 m then mottled brown and grey clay with frequent small stone inclusions

Finds None

Trench 17

Dimensions 50 m by 2.2 m

Total Area 110 m²

Excavated Orientation S to N

Soil Make-up Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m

Depth of Excavation 0.34 m

Significant Features None

Other Features None

Natural Subsoil Mottled brown and grey clay with frequent small stone inclusions

Finds None

Trench 18

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | N to S |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.33 m |
| <i>Depth of Excavation</i> | 0.33 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Yellow clay with grey and brown mottling until 7 m then degraded yellow bedrock until 35 m then mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 19

| | |
|------------------------------|---|
| <i>Dimensions</i> | 75 m by 2.2 m |
| <i>Total Area</i> | 165 m ² |
| <i>Excavated Orientation</i> | SE to NW |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m |
| <i>Depth of Excavation</i> | 0.34 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Plough scars or modern disturbance from 0 m to 30 m |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions, with a seam of degraded yellow bedrock at 56.5 m to 59.4 m. |
| <i>Finds</i> | None |

Trench 20

| | |
|------------------------------|---|
| <i>Dimensions</i> | 75 m by 2.2 m |
| <i>Total Area</i> | 165 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.36 m |
| <i>Depth of Excavation</i> | 0.36 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Rubble drains at 13.2 m to 15.8 m aligned NW-SE then at 55.6 m to 58 m aligned SW-NE. Furrows at 22.6 m, 36 m, and 63 m aligned N-S |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions. A cluster of large boulders at 42.4 m to 47.9 m |
| <i>Finds</i> | None |

Trench 21

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.33 m |
| <i>Depth of Excavation</i> | 0.33 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Rubble drain at 20.8 m to 23.9 m aligned NE-SW and 32 m to 34.5 m aligned NW-SE |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 22

| | |
|-------------------|---------------|
| <i>Dimensions</i> | 50 m by 2.2 m |
|-------------------|---------------|

| | |
|------------------------------|--|
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | NW to SE |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.33 m |
| <i>Depth of Excavation</i> | 0.33 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Rubble drain at 19.4 m to 20.2 m aligned NE-SW |
| <i>Natural Subsoil</i> | Yellow clay until 5.3 m then mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 23

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | WNW to ESE |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m |
| <i>Depth of Excavation</i> | 0.34 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 24

| | |
|------------------------------|--|
| <i>Dimensions</i> | 60 m by 2.2 m |
| <i>Total Area</i> | 132 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.36 m |
| <i>Depth of Excavation</i> | 0.36 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 25

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m |
| <i>Depth of Excavation</i> | 0.34 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 26

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | S to N |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m |
| <i>Depth of Excavation</i> | 0.34 m |
| <i>Significant Features</i> | None |

| | |
|------------------------|--|
| <i>Other Features</i> | Ceramic tile drain from 0 m to 50 m aligned N-S |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 27

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | S to N |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.31 m |
| <i>Depth of Excavation</i> | 0.31 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Ceramic tile drain from 0 m to 50 m aligned N-S |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 28

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | NE to SW |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.33 m |
| <i>Depth of Excavation</i> | 0.33 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 29

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | SE to NW |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.29 m |
| <i>Depth of Excavation</i> | 0.29 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 30

| | |
|------------------------------|--|
| <i>Dimensions</i> | 40 m by 2.2 m |
| <i>Total Area</i> | 88 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Ceramic tile drain at 3.8 m aligned N-S; Rubble drain at 35.6 m to 39 m aligned NE-SW |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 31

| | |
|-------------------|---------------|
| <i>Dimensions</i> | 45 m by 2.2 m |
|-------------------|---------------|

| | |
|------------------------------|--|
| <i>Total Area</i> | 99 m ² |
| <i>Excavated Orientation</i> | SW to NE |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 32

| | |
|------------------------------|--|
| <i>Dimensions</i> | 30 m by 2.2 m |
| <i>Total Area</i> | 66 m ² |
| <i>Excavated Orientation</i> | NE to SW |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 33

| | |
|------------------------------|--|
| <i>Dimensions</i> | 45 m by 2.2 m |
| <i>Total Area</i> | 99 m ² |
| <i>Excavated Orientation</i> | SSE to NNW |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Ceramic tile drain at 7.8 m to 21.5 m aligned N-S |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 34

| | |
|------------------------------|--|
| <i>Dimensions</i> | 55 m by 2.2 m |
| <i>Total Area</i> | 121 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.34 m |
| <i>Depth of Excavation</i> | 0.34 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 35

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.43 m |
| <i>Depth of Excavation</i> | 0.43 m |
| <i>Significant Features</i> | None |

| | |
|------------------------|--|
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 36

| | |
|------------------------------|--|
| <i>Dimensions</i> | 35 m by 2.2 m |
| <i>Total Area</i> | 77 m ² |
| <i>Excavated Orientation</i> | NW to SE |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 37

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | NW to SE |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.36 m |
| <i>Depth of Excavation</i> | 0.36 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 38

| | |
|------------------------------|--|
| <i>Dimensions</i> | 45 m by 2.2 m |
| <i>Total Area</i> | 99 m ² |
| <i>Excavated Orientation</i> | SE to NW |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.44 m |
| <i>Depth of Excavation</i> | 0.44 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 39

| | |
|------------------------------|--|
| <i>Dimensions</i> | 45 m by 2.2 m |
| <i>Total Area</i> | 99 m ² |
| <i>Excavated Orientation</i> | NW to SE |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.43 m |
| <i>Depth of Excavation</i> | 0.43 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 40

| | |
|-------------------|---------------|
| <i>Dimensions</i> | 40 m by 2.2 m |
|-------------------|---------------|

| | |
|------------------------------|--|
| <i>Total Area</i> | 88 m ² |
| <i>Excavated Orientation</i> | SE to NW |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.43 m |
| <i>Depth of Excavation</i> | 0.43 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 41

| | |
|------------------------------|--|
| <i>Dimensions</i> | 50 m by 2.2 m |
| <i>Total Area</i> | 110 m ² |
| <i>Excavated Orientation</i> | W to E |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.32 m |
| <i>Depth of Excavation</i> | 0.32 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | None |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

Trench 42

| | |
|------------------------------|--|
| <i>Dimensions</i> | 40 m by 2.2 m |
| <i>Total Area</i> | 88 m ² |
| <i>Excavated Orientation</i> | E to W |
| <i>Soil Make-up</i> | Topsoil - dark greyish brown clay loam with occasional small stone inclusions and rare modern rubbish – max depth 0.52 m |
| <i>Depth of Excavation</i> | 0.52 m |
| <i>Significant Features</i> | None |
| <i>Other Features</i> | Modern tractor ruts for first 10 m have disturbed natural subsoil. |
| <i>Natural Subsoil</i> | Mottled brown and grey clay with frequent small stone inclusions |
| <i>Finds</i> | None |

APPENDIX 2: Photographic Record

Digital Photographs

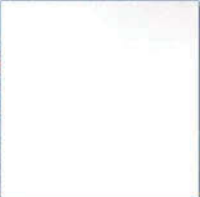
| Frame | Description | From | Date |
|-------|--|------|---------|
| 1-3 | General view of field 1 from NW corner | Var | 22/9/14 |
| 4-5 | View of ditch and bank in field 1 | W | 22/9/14 |
| 6 | Area to south of D and B in field 1 | NW | 22/9/14 |
| 7 | T1 post ex | N | 22/9/14 |
| 8 | T2 post ex | W | 22/9/14 |
| 9 | T2 post ex | E | 22/9/14 |
| 10 | T3 post ex | W | 22/9/14 |
| 11 | T4 post ex | S | 22/9/14 |
| 12-13 | Placing machine between trees | E | 22/9/14 |
| 14 | T5 post ex | W | 22/9/14 |

| | | | |
|-------|---|-----|---------|
| 15 | Ditch and bank at N edge of field 2 | W | 22/9/14 |
| 16-18 | View of field 2 pre-ex (NW corner) | Var | 22/9/14 |
| 19 | Water pipe ditch in field 1 | E | 22/9/14 |
| 20 | Water pipe ditch into field 2 | W | 22/9/14 |
| 21-22 | S side of water pipe ditch field 2 | Var | 22/9/14 |
| 23-25 | S side of water pipe ditch field 3 | Var | 22/9/14 |
| 26 | Water pipe ditch in field 2 | E | 22/9/14 |
| 27 | Water pipe ditch in field 3 | W | 22/9/14 |
| 28-29 | Pre ex views of field 3 | Var | 22/9/14 |
| 30-31 | Trees to N of water pipe ditch in field 3 | Var | 22/9/14 |
| 32 | Grate in water pipe ditch at E end | E | 22/9/14 |
| 33 | Water pipe ditch in field 3 | E | 22/9/14 |
| 34 | Ditch at S edge of field 2 | W | 22/9/14 |
| 35 | Ditch at S edge of field 3 | E | 22/9/14 |
| 36 | T6 Post ex | E | 22/9/14 |
| 37 | T7 Post ex | W | 22/9/14 |
| 38 | T8 Post ex | E | 23/9/14 |
| 39 | T9 Post ex | E | 23/9/14 |
| 40 | T10 Post ex | W | 23/9/14 |
| 41 | T11 Post ex | W | 23/9/14 |
| 42 | T12 Post ex | N | 23/9/14 |
| 43 | T13 Post ex | SE | 23/9/14 |
| 44 | T14 Post ex | N | 23/9/14 |
| 45 | T15 Post ex | W | 23/9/14 |
| 46 | T16 Post ex | SE | 23/9/14 |
| 47 | T17 Post ex | N | 23/9/14 |
| 48 | T18 Post ex | S | 23/9/14 |
| 49 | T19 Post ex | N | 23/9/14 |
| 50 | T20 Post ex | E | 23/9/14 |
| 51 | T21 Post ex | W | 23/9/14 |
| 52 | T22 Post ex | SE | 23/9/14 |
| 53 | T23 Post ex | ESE | 23/9/14 |
| 54 | T24 Post ex | E | 24/9/14 |
| 55 | View of woodland from end of T24 | SE | 24/9/14 |
| 56 | T25 Post ex | E | 24/9/14 |
| 57 | T26 Post ex | N | 24/9/14 |
| 58 | T27 Post ex | N | 24/9/14 |
| 59 | View of trees and shrubs from T28 start | N | 24/9/14 |
| 60 | T28 Post ex | SW | 24/9/14 |
| 61 | T29 Post ex | NW | 24/9/14 |
| 62 | T30 Post ex | W | 24/9/14 |

| | | | |
|----|-------------|----|---------|
| 63 | T31 Post ex | NE | 24/9/14 |
| 64 | T32 Post ex | SW | 24/9/14 |
| 65 | T33 Post ex | N | 24/9/14 |
| 66 | T34 Post ex | W | 24/9/14 |
| 67 | T35 Post ex | W | 24/9/14 |
| 68 | T36 Post ex | SE | 24/9/14 |
| 69 | T37 Post ex | SE | 24/9/14 |
| 70 | T38 Post ex | NW | 24/9/14 |
| 71 | T39 Post ex | SE | 24/9/14 |
| 72 | T40 Post ex | NW | 24/9/14 |
| 73 | T41 Post ex | E | 24/9/14 |
| 74 | T42 Post ex | W | 24/9/14 |

APPENDIX 3: 'Discovery and Excavation in Scotland' Report

| | |
|---|---|
| LOCAL AUTHORITY: | West Lothian Council |
| PROJECT TITLE/SITE NAME | Kirkhill North, Broxburn |
| PROJECT CODE: | AOC 22835 |
| PARISH: | Uphall |
| NAME OF CONTRIBUTOR: | Kevin Paton |
| 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) | NT 0650 7260 |
| START DATE (this season) | 22 nd September 2014 |
| END DATE (this season) | 25 th September 2014 |
| PREVIOUS WORK (incl. DES ref.) | None |
| MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields) | <p>An archaeological evaluation was undertaken by AOC Archaeology Group as part of pre-planning works for a possible development at Kirkhill North, Broxburn, West Lothian.</p> <p>The evaluation required an 8% trenching sample of the available development area. A total of 42 trenches of varying lengths and alignments were excavated encountering a few agricultural furrows and field drains. No significant archaeological features or artefacts were revealed.</p> <p>No further works are considered necessary within the development area.</p> |
| PROPOSED FUTURE WORK: | None |
| CAPTION(S) FOR ILLUSTRS: | --- |
| SPONSOR OR FUNDING BODY: | Lovell Partnership Ltd. |
| ADDRESS OF MAIN CONTRIBUTOR: | Edgefield Road Industrial Estate, Loanhead, Midlothian, EH20 9SY |
| EMAIL ADDRESS: | Kevin.paton@aocarchaeology.com |
| ARCHIVE LOCATION (intended/deposited) | Archive to be deposited in NMRS |



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