

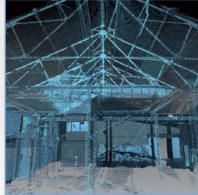
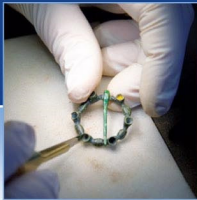
Madras College, St Andrews: Archaeological Evaluation Data Structure Report

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Madras College, St Andrews: Archaeological Evaluation Data Structure Report

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Abstract

This report presents the results of an archaeological evaluation undertaken in respect to a proposed development on a land parcel northeast of Fife Park Apartments, St Andrews (centred on NGR: NO 49363 16430).

The evaluation was undertaken within a single land parcel of 7.2 ha. A 10% sample of the evaluation area was investigated by trial trenching. The scope of the works was agreed in a WSI approved by Douglas Spiers of Fife Council Archaeological Service.

The archaeological evaluation uncovered a heavily truncated agricultural landscape dating back to at least the 16th century in the form of rig and furrow.

No archaeologically significant small finds were recovered during the evaluation.

Given the findings of the evaluation no further archaeological mitigation is required within the development area. However, the new footpath line in the playing fields will require monitoring in the form of a watching brief. This will require confirmation of Douglas Spiers on behalf of Fife Council Archaeological Service.

1 INTRODUCTION

1.1 Background

- 1.1.1 A programme of archaeological works was undertaken by AOC Archaeology as a planning condition (18/00295/EIA) associated with the proposed development of the site involving a secondary school (class 10) with associated facilities, including access, car parking / bus stance, playing fields / all-weather pitches, footpath connection and temporary construction compound.
- 1.1.2 The site lies within the administrative area of Fife Council, which is advised on archaeological matters by Douglas Speirs of the Fife Council Archaeology Service. The archaeological works were conducted in accordance with the principles as set out in *Scottish Planning Policy* (2014) and *Planning and Archaeology 2/2011* (2011) and consisted of a 10% archaeological evaluation by trial trenching. The works were undertaken in response to a Planning Condition (18/00295/EIA) produced by the Council and in accordance with a Written Scheme of Investigation (WSI) produced by AOC Archaeology Group (2018) and agreed with Douglas Speirs.
- 1.1.3 The proposed development area (centred on NGR: NO 49363 16430; Figure 1) measures 7.2 ha in total. The topography of the site consists of a single gently undulating fallow field.
- 1.1.4 The archaeological evaluation uncovered extensive historic rig and furrow across the development area. These survive as a series of northeast-southwest orientated furrows within the eastern portion of site and north-south orientated furrows in the centre and west (see Figure 2). The evaluation also revealed that the entire site area had undergone significant truncation due to heavy ploughing.
- 1.1.5 No archaeologically significant small finds were recovered during the evaluation.

1.2 Location

- 1.2.1 The development area at Madras College (hereafter 'the Site') is located within the Langlands area to the north of Buchanan Gardens (Figure 1). It is centred at National Grid Reference NO 49363 16430. The site is bounded to the south by Buchanan Gardens, to the southwest by the David Russell Apartments (student residences), to the west, north and northeast by farmland with the University of St. Andrews hall of residence Andrew Melville Hall, located approximately 100m to the northeast.

1.3 Archaeological Background

Prehistoric Period

- 1.3.1 There are no known prehistoric sites within the site boundary however to the northwest of the site a cluster of unassigned pits and a square barrow of possible Iron Age origin (N041NE70) demonstrate that prehistoric activity is present in the area. Considering the undeveloped nature of the site the possibility of prehistoric deposits should be considered.

Roman Period

- 1.3.2 There are no known Roman sites within the site however camps have been established within the area of St. Andrews near Cupar, Newburgh on the southern banks of the Tay and a marching camp at Auctermuchty.

Early Medieval – Post-Medieval

- 1.3.3 Immediately northwest of the development site an area of rig and furrow (NO41NE 114) has been recorded as a crop mark. This block of curving S-shaped rig has been identified as an early and rare type, possibly of late medieval date. Evidence of rig and furrow across the landscape can be seen on the Roy Map (Figure 4) extending across the Langlands area identified by aerial photography.
- 1.3.4 Isolated archaeological features in a wider 1km area a long cist located on Trinity place (NO41NE), a cist cemetery of twenty cists at Hallows hill (NO41NE) and a medieval cross located on the grounds of Stathtyrum House (NO41NE)

19th Century

- 1.3.5 There is no evidence of any developments occurring within the site during the 19th Century up to the present (Figure 7).
- 1.3.6 Out with the development site there have been identified two milestones to the east and southwest of the site.



Figure 4: Extract from Roy's map, ca. 1747 -1755



Figure 5: OS Six Inch, 1843-1882



Figure 6: OS One-Inch, 1885-1903

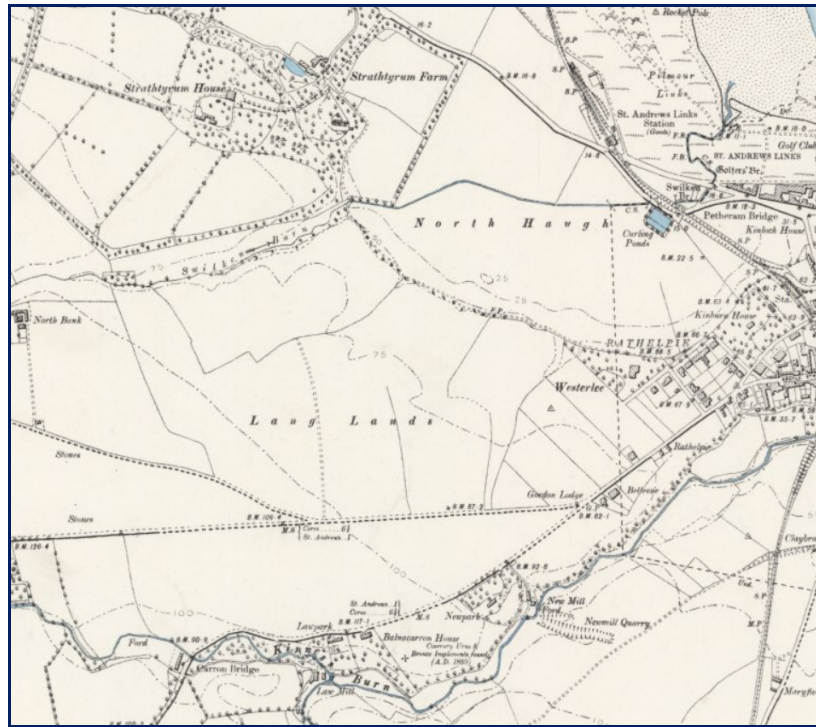


Figure 7: OS Six Inch, 1888-1913

2 OBJECTIVES

2.1 The objectives of the archaeological were:

- i) to determine the presence or absence of any buried archaeological remains that could be subject to disturbance during the proposed development;
- ii) to determine the nature, extent and significance of any remains present in order to inform an appropriate mitigation strategy (likely to be preservation by record, i.e.. excavation, analysis and dissemination of results).

3 METHODOLOGY

3.1 The details of the archaeological evaluation, laid out below, were designed to meet the requirements of the planning authority as advised by Fife Council Archaeology Service, and agreed through the submission of a Written Scheme of Investigation (WSI) (AOC 2018).

3.2 The proposed development area covers c.7.2ha. A 10% sample of the area amounted to 3,600 linear metres of trenches excavated with a 2.0 m wide bucket.

- 3.3 Due to the presence of topsoil bunds from an adjacent development to the northeast, made ground on the southwest boundary to Fife Park Apartments and two large drains (see Figure 2), a total of 2,900 linear metres was excavated. These were placed accordingly to ensure coverage across the site and to facilitate in the recording of the any surviving rig and furrow.
- 3.4 Due to access and plant movement restrictions, the new footpath line in the playing fields to the south of the main development area will require monitoring at a later date. It is advised that this is undertaken by watching brief, this will need the approval of Fife Council Archaeology Service.
- 3.5 Trenches were opened by a single tracked excavator equipped with 2.0 m wide bladed ditching bucket. Excavation was undertaken in units/spits until the first significant archaeological horizon or geological deposits were reached. All machine excavation was supervised by an experienced field archaeologist and undertaken according to AOC Archaeology Group's standard operating procedures, and the methodology within the agreed WSI (AOC 2018).

4 RESULTS

- 4.1 A total of 38 linear trenches were excavated (Figure 2) giving a total of 2,900 linear metres. The majority of the trenches were 100m or 50m in length, though smaller trenches were placed where necessary to ensure coverage of the available area.
- 4.2 The site consisted of a single large fallow field. The field was fairly flat with a gentle slope towards the northeast corner. The top-soil consisted of a heavily improved dark grey/ brown plough-soil (001) with numerous sherds of 19th century white ceramic, bottle glass and stoneware. The plough-soil ranged from 0.25 m to 0.45 m in depth. The topsoil deepened to 1.2m within a large natural hollow located within the centre of the field. This depth of topsoil has likely come from across the site, possibly resulting in the shallow depths of topsoil elsewhere on site, in order to create more useable land. The topsoil deposits overlaid mainly compact pink boulder clays, with some areas of orange sand across the site.
- 4.3 The sub-soil had been heavily truncated by modern farming practices with numerous plough and subsoiler scars. This disturbance was most evident within the clay deposits where the scars were filled with topsoil, however the sandy areas of natural were also heavily as demonstrated by the lack of rig and furrow across the centre of the site (see Figure 2).



Plate 1: Trench 6 post-excitation with plough scars



Plate 2: Heavy plough scars in Trench 27

- 4.4 Prior to the evaluation, extensive rig and furrow had been identified within the development through aerial photography. The remains had been heavily truncated across the whole site, resulting in the removal of any upstanding rig and the shallowing of the remaining furrows. The surviving furrows lay on two main orientations; northwest-southeast within trenches 1-10 and north-south within trenches 11-38 (see Figure 2). These two orientations seemingly correspond to the orientations for rig and furrow on the 18th century Roy Map (see Figure 4). No rig and furrow was uncovered in trenches 18 and 23, this is likely due to their proximity to a large drain which has likely removed any archaeological deposits adjacent to it.
- 4.5 The surviving furrows were 1.5 – 3 m wide at 4 – 6 m intervals. The variety in width and spacing seems most likely to have been caused by differing levels of truncation. The furrows had gently sloping cuts onto rounded bases and varied between 0.12 – 0.25 m in depth. These were filled by pale pinky brown silty clay where the natural was boulder clay, and dark brown silty sand within sandy natural.
- 4.6 Trenches 8 – 15 demonstrated little to no evidence of rig and furrow. This has likely been due to heavy truncation of the sandy natural in this area, removing the furrows in their entirety.
- 4.7 There is a possibility that the rig and furrow was still upstanding in the late 19th/early 20th century. This is due to the majority of the furrows across the site containing cuts for rubble and ceramic field drains, on the same orientation as the furrows. This suggests that the furrows were visible utilised for drainage due to their suitable depth and orientation. As such the subsequent flattening of the field likely took place in the mid-late 20th with modern farming practices.
- 4.8 Depths were tested across multiple furrows across the site, establishing depths of 0.12 – 0.25 m. A one metre wide slot was excavated through one of the surviving furrows within Trench 3. The two metre wide furrow [302] was 0.14 m deep, with gradually sloping sides onto a rounded base (see Figure 3). This was filled by a pinkish brown silty clay (303) flecked with coal and occasional small sub-rounded stones. A 0.2m wide field drain cut had been cut into the furrow, with the drain lying below the base. This cut was filled by the dark greyish brown topsoil overlying the site.



Plate 3: Slot through furrow [302] in Trench 3



Plate 4: Stone built culvert in Trench 19

- 4.9 Two stone built culverts were uncovered in Trenches 6 and 19. These were constructed from slabs of flat sandstone. Both drains had silted up with dark grey sandy silt. The upper slabs were missing in Trench 6, likely removed through ploughing.

5 CONCLUSION AND RECOMMENDATIONS

- 5.1 The proposed development site was subject to an archaeological evaluation as per the agreed WSI (AOC 2018) and on-site discussions with Mr Stephen Liscoe of Fife Council Archaeological Service. The evaluation revealed the truncated remains of two orientations of rig and furrow. The two different orientations seem to be part of a contemporary field system as suggested by the lack of any overlap and similarities in width, depth and spacing. Unfortunately, no field boundary or interaction between the orientation could be located due to the heavy truncation and removal of evidence of the sandy natural across the centre of the site.
- 5.2 The presence of drains and culverts demonstrate the long-lived need for drainage across the site, likely due to the large amounts of clay natural across the development area. The heavy truncation and scarring from sub-soilers demonstrate this further.
- 5.3 The archaeological evaluation revealed the development area has been utilised extensively for agriculture since at least the 18th century (see Roy Map Figure 4). The rig and furrow could be earlier in date, dating to earlier in the medieval period, however due to a lack of dating evidence this cannot be established.
- 5.4 Given the findings of the evaluation no further archaeological mitigation is required within the development area. However, the new footpath line in the playing fields will require monitoring in the form of a watching brief. This will require confirmation of Douglas Spiers on behalf of Fife Council Archaeological Service.

6 BIBLIOGRAPHY

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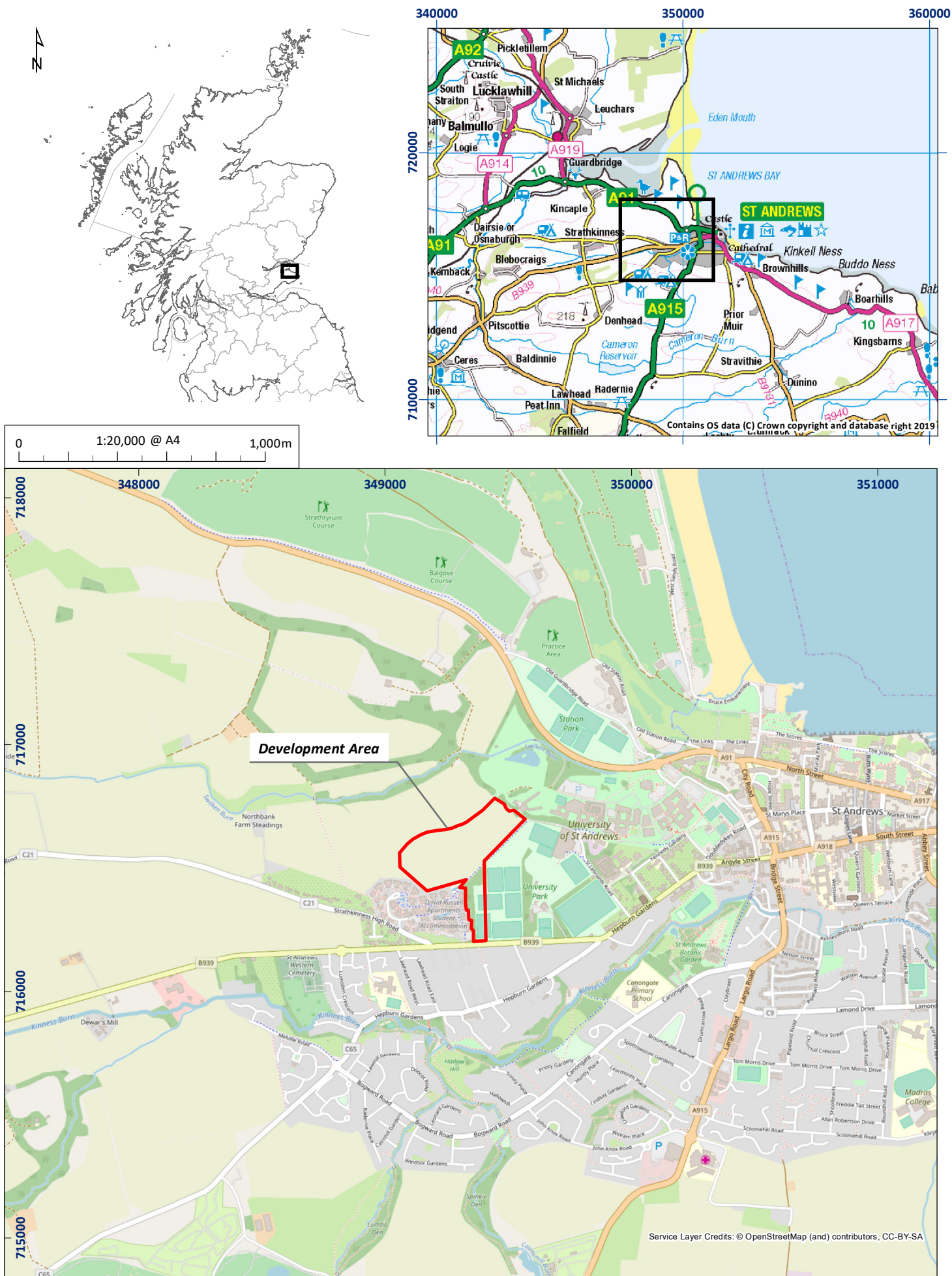


Figure 1: Site location plan

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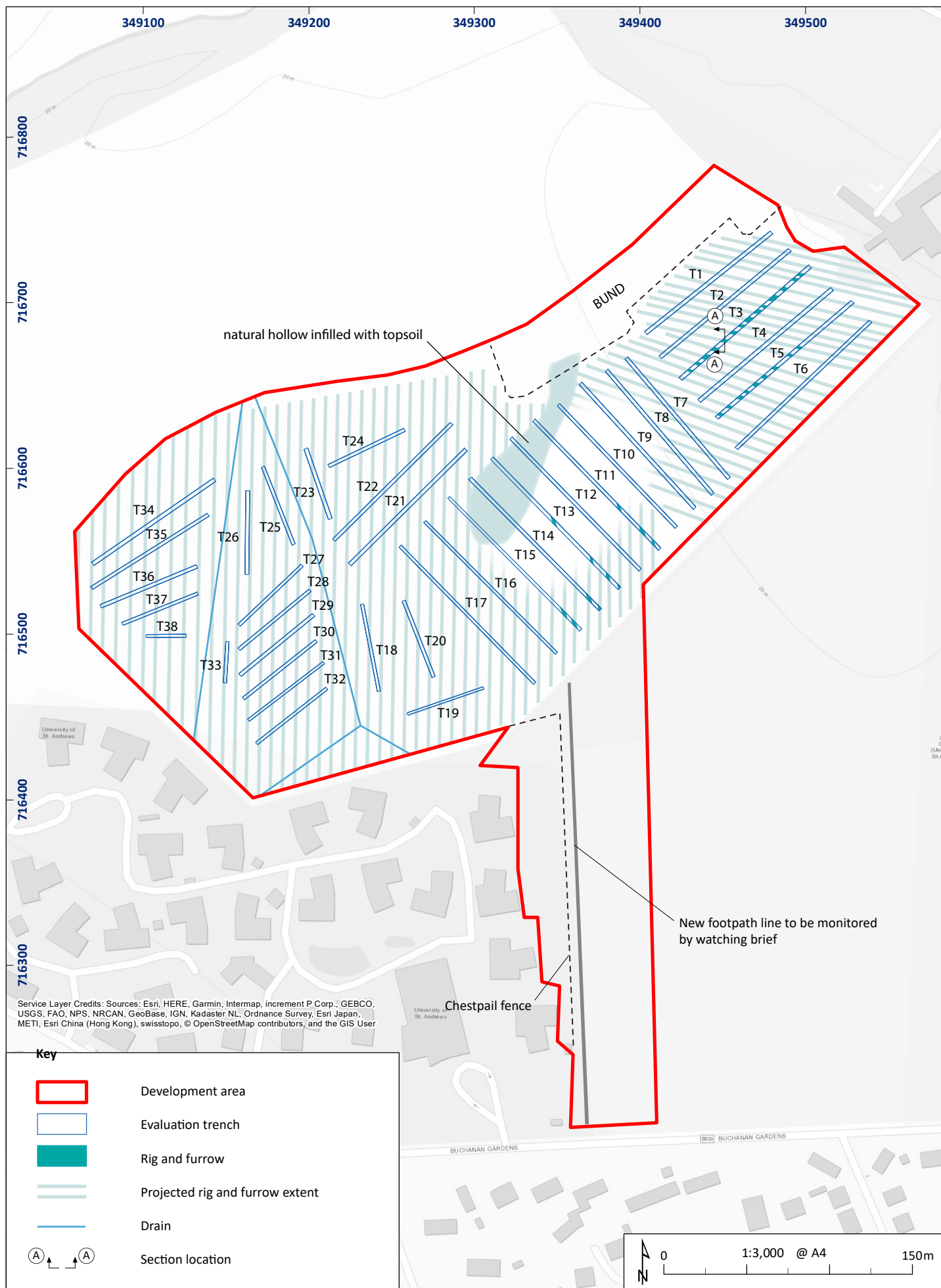


Figure 2: Trench plan

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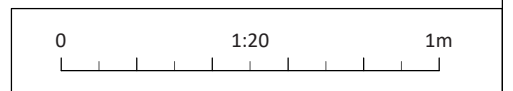
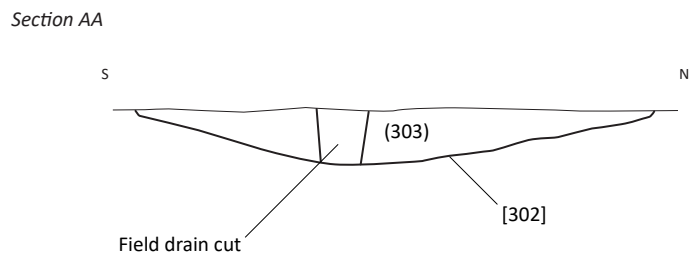


Figure 3: Section AA

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Section 2: Appendices

APPENDIX 1: Trench Descriptions

Trench 1

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.4 m - 0.5 m
<i>Depth of Excavation</i>	0.4 - 1.4 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals throughout
<i>Other Features</i>	At 38 m large hollow gradually sloping to 1.4 m depth filled with topsoil. NW-SE orientated ceramic field drains at 8 m intervals
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 2

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.3 m - 0.4 m
<i>Depth of Excavation</i>	0.45 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals throughout
<i>Other Features</i>	6 m wide topsoil filled hollow as TR1. NW-SE orientated ceramic field drains at 8 m intervals
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 3

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.3 m - 0.35 m
<i>Depth of Excavation</i>	0.4 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals throughout. Slot through furrow [302] as an example.
<i>Other Features</i>	NW-SE orientated ceramic field drains at 8 m intervals
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 4

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.35 m
<i>Depth of Excavation</i>	0.4 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals throughout.
<i>Other Features</i>	NW-SE orientated ceramic field drains at 8 m intervals
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 5

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.3 - 0.35 m
<i>Depth of Excavation</i>	0.4 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals throughout.
<i>Other Features</i>	NW-SE orientated ceramic field drains throughout
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 6

<i>Dimensions</i>	100 m by 2 m
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<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.4 m
<i>Depth of Excavation</i>	0.45 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals throughout.
<i>Other Features</i>	NW-SE orientated ceramic field drains throughout. At NE end, N-S orientated stone built culvert
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 7

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.3 m
<i>Depth of Excavation</i>	0.35 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals throughout.
<i>Other Features</i>	NW-SE orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 8

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.35 – 0.4 m
<i>Depth of Excavation</i>	0.35 – 0.45 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals apparent at 0-20 m from NW end and at 60-100m – fully truncated in centre of trench
<i>Other Features</i>	NW-SE orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 30 – 60 m
<i>Finds</i>	None

Trench 9

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.35 – 0.4 m
<i>Depth of Excavation</i>	0.35 – 0.45 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals apparent at 0-35 m from SE fully truncated across the rest of the trench
<i>Other Features</i>	NW-SE orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 30 – 60 m
<i>Finds</i>	None

Trench 10

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.35 – 0.6 m
<i>Depth of Excavation</i>	0.35 – 0.6 m
<i>Significant Features</i>	NW-SE orientated rig and furrow, surviving as heavily ploughed furrows – generally 2 m wide at 4 m intervals apparent at 0-30 m from SE - fully truncated across the rest of the trench
<i>Other Features</i>	NW-SE orientated ceramic field drains throughout. At 92-100 m, topsoil infilled hollow to 0.6 m depth (20 th century infill)
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 30 – 100 m
<i>Finds</i>	None

Trench 11

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE

<i>Topsoil</i>	0.25 – 0.6 m
<i>Depth of Excavation</i>	0.35 – 0.6 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows – surviving at 9-18 m and 80-100 m from SE end - fully truncated across the rest of the trench
<i>Other Features</i>	N-S orientated ceramic field drains throughout. At 70-95 m, topsoil infilled hollow to 0.8 m depth (20 th century infill)
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 30 – 100 m
<i>Finds</i>	None

Trench 12

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.3 – 0.5 m
<i>Depth of Excavation</i>	0.35 – 0.6 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows - fully truncated at 20 m - 80 m
<i>Other Features</i>	N-S orientated ceramic field drains throughout. At 60-90 m, topsoil infilled hollow to 0.8 m depth (20 th century infill)
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 30 – 100 m
<i>Finds</i>	None

Trench 13

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.3 - 1 m
<i>Depth of Excavation</i>	0.35 - 1 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 0-10 m from SE end - fully truncated across rest of trench
<i>Other Features</i>	N-S orientated ceramic field drains throughout. At 60-90 m, topsoil infilled hollow to 1 m depth (20 th century infill)
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 10 – 100 m
<i>Finds</i>	None

Trench 14

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.3 - 1 m
<i>Depth of Excavation</i>	0.35 - 1 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 0-10 m from SE end - fully truncated across rest of trench
<i>Other Features</i>	N-S orientated ceramic field drains throughout. At 50-85 m, topsoil infilled hollow to 1 m depth (20 th century infill)
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 10 – 100 m
<i>Finds</i>	None

Trench 15

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.3 – 0.6 m
<i>Depth of Excavation</i>	0.35 – 0.6 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 0-29 m from SE end - fully truncated across rest of trench
<i>Other Features</i>	N-S orientated ceramic field drains throughout. At 60-90 m, topsoil infilled hollow to 0.6 m depth (20 th century infill)
<i>Subsoil</i>	Compact pink boulder clay with orange sand at 30 – 100 m
<i>Finds</i>	None

Trench 16

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.3 – 0.35 m
<i>Depth of Excavation</i>	0.35 – 0.4 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 50-100 m from SE end - fully truncated across rest of trench
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 17

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NW-SE
<i>Topsoil</i>	0.4 m
<i>Depth of Excavation</i>	0.45 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 50-100 m from SE end - fully truncated across rest of trench
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 18

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	N-S
<i>Topsoil</i>	0.3 m
<i>Depth of Excavation</i>	0.35 m
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Subsoil</i>	Compact pink boulder clay with occasional orange sand concentrations
<i>Finds</i>	None

Trench 19

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	E-W
<i>Topsoil</i>	0.45 m
<i>Depth of Excavation</i>	0.45 m
<i>Significant Features</i>	N-S orientated rig and furrow. At 26 m NE-SW stone built culvert
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 20

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NW-SW
<i>Topsoil</i>	0.3 m
<i>Depth of Excavation</i>	0.35 m
<i>Significant Features</i>	N-S orientated rig and furrow, in trench from 10-40 m due to alignment
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 21

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.4 m
<i>Depth of Excavation</i>	0.4 – 0.45 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 30-90 m from NE end

<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 22

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.35 – 0.5 m
<i>Depth of Excavation</i>	0.4.– 0.5 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 23

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NNW-SSE
<i>Topsoil</i>	0.35 m
<i>Depth of Excavation</i>	0.35 m
<i>Significant Features</i>	None
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 24

<i>Dimensions</i>	100 m by 2 m
<i>Orientation</i>	ENE-WSW
<i>Topsoil</i>	0.35 – 0.5 m
<i>Depth of Excavation</i>	0.4.– 0.5 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 15-50m
<i>Other Features</i>	N-S orientated ceramic field drains throughout. 0-24 m 0.3 m built up topsoil
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 25

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NNW-SSE
<i>Topsoil</i>	0.35 m
<i>Depth of Excavation</i>	0.4 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 26

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NNE-SSW
<i>Topsoil</i>	0.25 – 0.35 m
<i>Depth of Excavation</i>	0.3.– 0.35 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows at 2-9m and 25-31m from N end
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 27

<i>Dimensions</i>	50 m by 2 m
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<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.25 – 0.3 m
<i>Depth of Excavation</i>	0.3.– 0.35 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 28

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.35 – 0.4 m
<i>Depth of Excavation</i>	0.35.– 0.45 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 29

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.3 – 0.4 m
<i>Depth of Excavation</i>	0.35.– 0.45 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 30

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.3 – 0.35 m
<i>Depth of Excavation</i>	0.35.– 0.4 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 31

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.3 – 0.35 m
<i>Depth of Excavation</i>	0.35.– 0.4 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 32

<i>Dimensions</i>	50 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.3 – 0.35 m
<i>Depth of Excavation</i>	0.35.– 0.4 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 33

<i>Dimensions</i>	25 m by 2 m
<i>Orientation</i>	NNE-SSW
<i>Topsoil</i>	0.3 – 0.35 m
<i>Depth of Excavation</i>	0.35.– 0.4 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay
<i>Finds</i>	None

Trench 34

<i>Dimensions</i>	80 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.35 – 0.45 m
<i>Depth of Excavation</i>	0.35.– 0.45 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with orange and yellow sands at 30-56 m from SE end
<i>Finds</i>	None

Trench 35

<i>Dimensions</i>	70 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.25 – 0.35 m
<i>Depth of Excavation</i>	0.3.– 0.4 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with orange and yellow sands concentrations
<i>Finds</i>	None

Trench 36

<i>Dimensions</i>	60 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.25 – 0.3 m
<i>Depth of Excavation</i>	0.25.– 0.35 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with orange and yellow sands concentrations
<i>Finds</i>	None

Trench 37

<i>Dimensions</i>	45 m by 2 m
<i>Orientation</i>	NE-SW
<i>Topsoil</i>	0.25 – 0.3 m
<i>Depth of Excavation</i>	0.25.– 0.35 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with orange and yellow sands concentrations
<i>Finds</i>	None

Trench 38

<i>Dimensions</i>	20 m by 2 m
<i>Orientation</i>	E-W
<i>Topsoil</i>	0.25 – 0.3 m
<i>Depth of Excavation</i>	0.25.– 0.35 m
<i>Significant Features</i>	N-S orientated rig and furrow, surviving as heavily ploughed furrows throughout
<i>Other Features</i>	N-S orientated ceramic field drains throughout.
<i>Subsoil</i>	Compact pink boulder clay with orange and yellow sands concentrations
<i>Finds</i>	None

APPENDIX 2: Context Descriptions

Context	Description
001	Top-soil – Improved dark grey/brown sandy plough soil. Well sorted with occasional 19 th century ceramics, stoneware and glass. 0.25 m – 1.2 m in depth
302	Furrow cut – Shallow sloping cut with rounded base. 2 m wide. 0.14 m in depth
303	Furrow fill – Mid pinkish brown silty clay flecked with coal and occasional small sub-rounded stones. Fill of [302]

APPENDIX 3: Photographic Record

Digital Photographs

Frame	Description	From
1	SE facing section of hollow in Trench 1	SE
2	Hollow in Trench 1	E
3	Trench 1 post-excavation shot	SW
4	NW-SE orientated furrow in Trench 2	NE
5	Trench 2 post-excavation shot	SW
6	Trench 2 plough scarring	SW
7	Trench 3 post-excavation shot	SW
8-9	Trench 3 furrow example	SW-S
10	Trench 4 post-excavation shot	SW
11	Trench 5 post-excavation shot	SW
12-13	Stone built culvert at NE end of Trench 6	Var.
14	Trench 6 post-excavation shot	SW
15	Furrow and field drain in Trench 7	SE
16	Trench 7 post-excavation shot	SE
17	Heavy plough scarring in Trench 8	SW
18	Trench 8 post-excavation shot	SE
19-20	Slot through furrow [302] in Trench 3	Var.
21-22	WNW facing section of furrow [302]	WNW
23-24	SE-facing section of Trench 3 with slot through [302]	SE
25	SE-facing section of Trench 3 with slot through [302] close-up	SE
26	Trench 9 post-excavation shot	NW
27	Trench 10 post-excavation shot	NW
28	Trench 11 post-excavation shot	NW
29	Trench 12 post-excavation shot	NW
30	Trench 13 post-excavation shot	NW

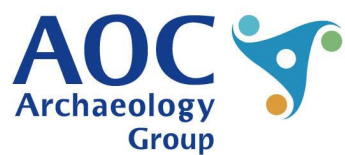
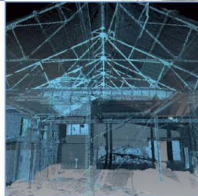
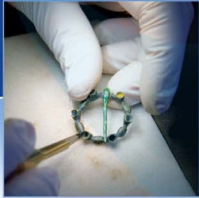
31	SW facing section through hollow in Trench 13	SW
32	Trench 14 post-excavation	NW
33	Furrow example in Trench 15	E
34	Trench 15 post-excavation	NW
35	Trench 16 post-excavation	SE
36	Trench 17 post-excavation	SE
37	Trench 18 post-excavation	S
38-40	Stone built culvert in Trench 19	Var.
41	Trench 19 post-excavation	E
42	Trench 20 post-excavation	SE
43	Trench 21 post-excavation	SW
44-45	Furrow example in Trench 22	W, S
46	Trench 22 post-excavation	SW
47	Trench 23 post-excavation	NNW
48	Trench 24 post-excavation	ENE
49	Trench 25 post-excavation	SSE
50	Trench 26 post-excavation	SSW
51	Heavy plough scars in Trench 27	SSW
52	Trench 27 post-excavation	NE
53	Trench 28 post-excavation	NE
54	Trench 29 post-excavation	NE
55	Trench 30 post-excavation	NE
56	Trench 31 post-excavation	NE
57	Trench 32 post-excavation	NE
58	Trench 33 post-excavation	NNW
59	Trench 34 post-excavation	NE
60	Trench 35 post-excavation	NE
61	Trench 36 post-excavation	NE
62	Trench 37 post-excavation	NE
63	Trench 38 post-excavation	NE

APPENDIX 4: Sample Register

Context	Quantity
302	20 litres

APPENDIX 5: 'Discovery and Excavation in Scotland' Report

LOCAL AUTHORITY:	Fife Council
PROJECT TITLE/SITE NAME	Madras College, St Andrews: Archaeological Evaluation
PROJECT CODE:	AOC 24613
PARISH:	St Andrews and St Leonards
NAME OF CONTRIBUTOR:	Alex Wood
NAME OF ORGANISATION:	AOC Archaeology Group
TYPE(S) OF PROJECT:	Archaeological Evaluation
NMRS NO(S)	None
SITE/MONUMENT TYPE(S):	Rig and furrow
SIGNIFICANT FINDS:	None
NGR (2 letters, 6 figures)	NO 49363 16430
START DATE (this season)	4 th February 2019
END DATE (this season)	15 th February 2019
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 respect to a proposed development on a land parcel northeast of Fife Park Apartments, St Andrews (centred on NGR: NO 49363 16430).</p> <p>The evaluation was undertaken within a single land parcel of 7.2 ha. A 10% sample of the evaluation area was investigated by trial trenching. The scope of the works was agreed in a WSI approved by Douglas Spiers of Fife Council Archaeological Service.</p> <p>The archaeological evaluation uncovered a heavily truncated agricultural landscape dating back to at least the 16th century in the form of linears of rig and furrow.</p> <p>No archaeologically significant small finds were recovered during the evaluation.</p> <p>Given the findings of the evaluation no further archaeological mitigation is required within the development area. However, the new footpath line in the playing fields will require monitoring in the form of a watching brief. This will require confirmation of Douglas Spiers on behalf of Fife Council Archaeological Service.</p>
PROPOSED FUTURE WORK:	Yes
CAPTION(S) FOR ILLUSTRS:	---
SPONSOR OR FUNDING BODY:	BAM Construction UK Ltd
ADDRESS OF MAIN CONTRIBUTOR:	Edgefield Road Industrial Estate, Loanhead, Midlothian, EH20 9SY
EMAIL ADDRESS:	Alex.Wood@aocarchaeology.com
ARCHIVE LOCATION (intended/deposited)	Archive to be deposited in NMRS



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