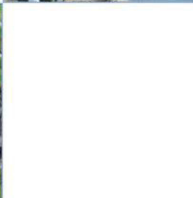
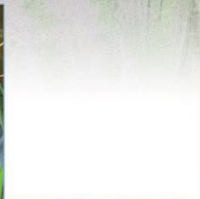
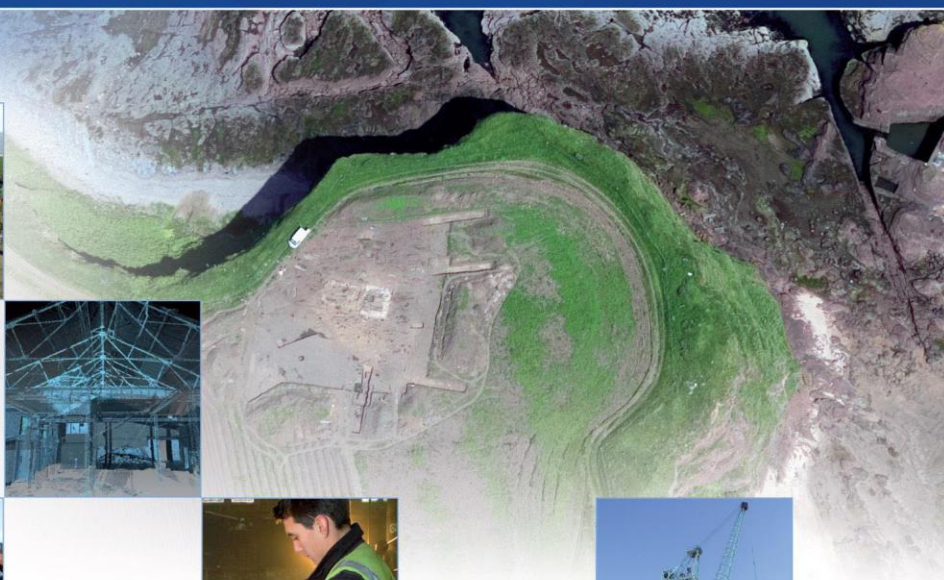


# University of St. Andrews New Music Centre Archaeological Evaluation: Data Structure Report

AOC24041

Planning Application: 17/01689/FULL

30<sup>th</sup> May 2018



# University of St. Andrews New Music Centre Archaeological Evaluation: Data Structure Report

**On Behalf of:** University of St. Andrews,  
College Gate,  
St. Andrews,  
Fife  
KY16 9AJ

**National Grid Reference (NGR):** NO 5102 1639 (centre)

**AOC Project No:** 24041

**Prepared by:** Steven Watt

**Date of Report:** 30<sup>th</sup> May 2018

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

**Author:** Steven Watt

**Date:** 30<sup>th</sup> May 2018

**Approved by:** Lindsay Dunbar

**Date:** 1<sup>st</sup> June 2018

**Draft Report Stage:** Draft

**Date:**

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## Summary

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*AOC Archaeology Group was commissioned to conduct an archaeological evaluation at the University of St. Andrews New Music Centre, St. Andrews, Fife.*

*In total seven trenches were excavated totaling 100.4 m<sup>2</sup> revealing mostly made ground deposits over a mottled yellow sand natural. One trench revealed a sandstone line ceramic field drain with stone gully stones beneath likely relating to the gardens of St. Mary's College in the 19<sup>th</sup> century.*

*No significant archaeological finds or features were uncovered during the evaluation.*

# 1 INTRODUCTION

## 1.1 Project Background

- 1.1.1 A programme of archaeological works was required by University of St. Andrews ahead of the construction of a new music centre with associated landscaping and formation of new pedestrian access at Queens Terrace, St. Andrews, Fife, planning application 17/01689/FULL. The required archaeological works comprise a 7% evaluation of the overall redevelopment area. The need for, and scope of, the archaeological works has been determined by Fife Council who are advised on archaeological matters by the Fife Council Archaeology Unit (FCAU) in accordance with Policy 14 of FIFEplan.
- 1.1.2 The programme of archaeological works is in keeping with the policies outlined in *Scottish Planning Policy* (2014) and *PAN 2/2011 Planning and Archaeology* (2011) in order to record the extent and significance of any archaeological remains which may be present within the development area.
- 1.1.3 A *Written Scheme of Investigation* (AOC 2017) was submitted detailing the requirements of the archaeological works.

## 1.2 Site location

- 1.2.1 The development area is centred on NO 5102 1639 (Figure 1 & 2) and presently consists of an existing building, carpark and gardens. The site is accessed from the south directly from Queen's Terrace with the eastern boundary of the site marked by West Burn Lane. The boundary to the north and west is formed by existing properties.

## 1.3 Archaeological background

- 1.3.1 The development site forms part of the historic town of St. Andrews and has various listed buildings surrounding the site. To the west lies Queen's Gardens which is lined on eastern side by a C-Listed 1860's terrace (HES No. NO51NW 580 to 597, Listed Building No. 40892). To the North of the site there are two C-Listed buildings both part of St. Andrews University. Firstly, 'Bute Medical Building', a late 19th century two storey building (HES No NO51NW 253, Listed Building No. 40692) and secondly, 'Bell Pettigrew Museum' an early 20<sup>th</sup> century two storey building now in use as part of the Zoology Department (HES No. NO51Nw 257, Listed Building No. 40693). Additionally in the late 17<sup>th</sup> century, James Gregory caused to have the first purpose-designed observatory in the gardens of St. Mary's College
- 1.3.2 Lying immediately to the northwest of the development area is St. Mary's College dovecot. This 17<sup>th</sup>/18<sup>th</sup> century dovecot is B-Listed (HES No. NO51NW 8, Listed Building No. 40692) and can be seen on 1<sup>st</sup> Edition Ordnance Survey map (Figure 2). Positioned at the site access from Queen's Terrace is a C-Listed gateway (HES No. NO51NW 579, Listed Building No. 40844) is to be retained. Additionally in the late 17<sup>th</sup> century, James Gregory caused to have the first purpose-designed observatory in the gardens of St. Mary's College.
- 1.3.3 A programme of archaeological works was undertaken on land adjacent to West Burn Lane, St. Andrews in June 2011 a little to the north east of the development area (HES No. NO51NE 733). The programme comprised a desk-based assessment and an evaluation by means of trial trenching. West Burn Lane previously formed an important route into the historic burgh. Map evidence shows the site densely developed by the 16<sup>th</sup> century. The evaluation revealed the site to be significantly disturbed by modern development, with levelling deposits and the foundations of buildings dating

from the 19th century exposed. However, beneath these, intact medieval deposits have been preserved *in situ*. A boundary ditch and pit were identified, sealed by a former garden soil layer up to 0.4m in depth which contained 12<sup>th</sup> - 16<sup>th</sup> century pottery. In 2013 a watching brief was carried out during groundwork on land adjacent to West Burn Lane. Again these works showed that the site had been significantly disturbed by modern development, with levelling deposits and the foundations of buildings dating from the 19<sup>th</sup> and 20<sup>th</sup> centuries recorded. However, intact medieval deposits were located *in situ* below the modern deposits at the N end of the site. Two boundary ditches were identified, one of which contained pottery dating from the 12<sup>th</sup> – 14<sup>th</sup> century, and was sealed by a 0.2 m deep layer of former garden soil.

## 2 OBJECTIVES

- 2.1 The objectives of the archaeological works were to determine and assess the character, extent, condition, quality, date and significance of any buried archaeological remains within the proposed development area through evaluation trenching totalling 7% of the development land take. Another objective was to advise and implement an appropriate form of mitigation, formulated with the approval of FCAU, such as excavation (Stage 2), post-excavation analyses and publication (Stage 3), given the infeasibility of preserving the archaeological material *in situ*, should significant archaeological remains be encountered.

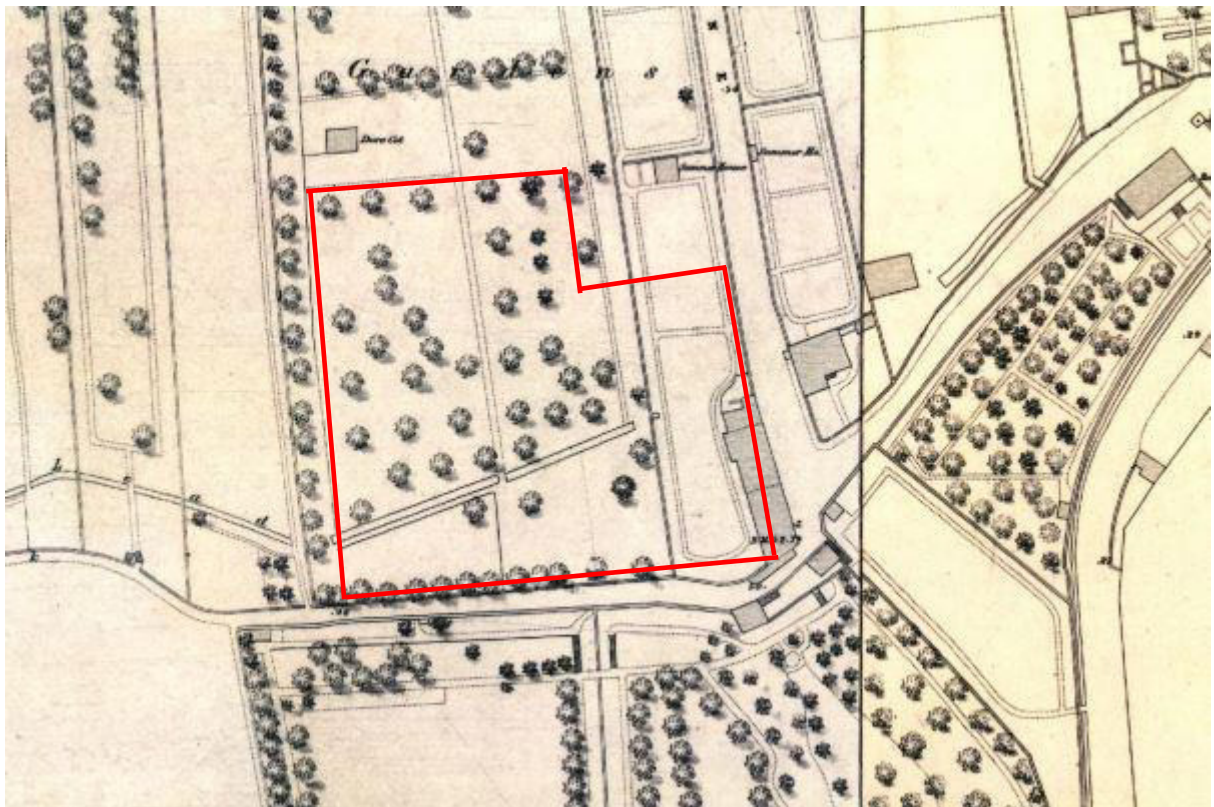


Figure 2: Extract from 1<sup>st</sup> Edition Ordnance Survey

## 3 METHODOLOGY



- 3.1 The evaluation was conducted using a JCB 3CX utilising a toothed bucket to break tarmac where necessary, and subsequently a 1.6m bladed ditching bucket. This was undertaken in accordance with AOC Archaeology Group's standard operating procedures as detailed with the *Written Scheme of Investigation* (AOC 2017).

## 4 RESULTS

- 4.1 The evaluation was carried out on the 12<sup>th</sup> April and 30<sup>th</sup> May 2018. The various detailed data gathered from the evaluation is presented as a series of appendices:

- Appendix 1 Trench Record
- Appendix 2 Photographic Register;
- Appendix 3 'Discovery and Excavation in Scotland' Entry



**Plate 1 General view of evaluation area**

- 4.2 Due to the presence of some live services, placement of fencing and the footings of the previous building still being present, the trenches were not laid out as in accordance with the WSI and were somewhat restricted. In total 7 trenches, totalling 100.4 m<sup>2</sup> of various dimensions and orientation were excavated across the footprint of the proposed development for maximum coverage (Figure 3).
- 4.3 Trenches 2-6 had a consistent matrix of bitumen and crushed red brick levelling material to a depth of 0.48-0.59 m over a natural of yellow-orange mottled grey sand with patches of clay.





**Plate 2 Post-excavation view of Trench 2 from the North**

- 4.4 Trenches 1 and 7 consisted of tarmac/type 1 to a depth of 0.4 m, overlaying a mid black-brown clayey silt loam with a depth of 0.4m. In turn this overlay a mid-grey brown clayey silt, likely another buried topsoil to a depth of 0.2m. The natural was a yellow-orange mottled grey sand.



**Plate 3 Sandstone lined ceramic drain, Trench 1**

- 4.5 Trench 1 contained a sandstone lined Victorian ceramic drain (Plate 3) on a north-south orientation, possibly relating to when the ground was used as the gardens for St. Marys College.
- 4.6 No significant archaeological remains were uncovered.

## 5 CONCLUSIONS AND RECOMMENDATIONS

- 5.1 The evaluation at the University of St. Andrews New Music Centre successfully determined that some ground improvement activity has occurred, likely associated with the St. Mary's Collage Gardens. However, no significant archaeological finds or features were present. No further archaeological works are considered necessary. The recommendation will require confirmation by FCAU.

## 6 REFERENCES

AOC 2017 *University of St. Andrews Archaeological Evaluation WSI*, Unpublished client report

Scottish Government 2010 *Scottish Planning Policy*.

Scottish Government 2011 *PAN 2/2011 2/2011 Planning and Archaeology*.





Figure 1: Site location plan

01/24041/DSR/01/01



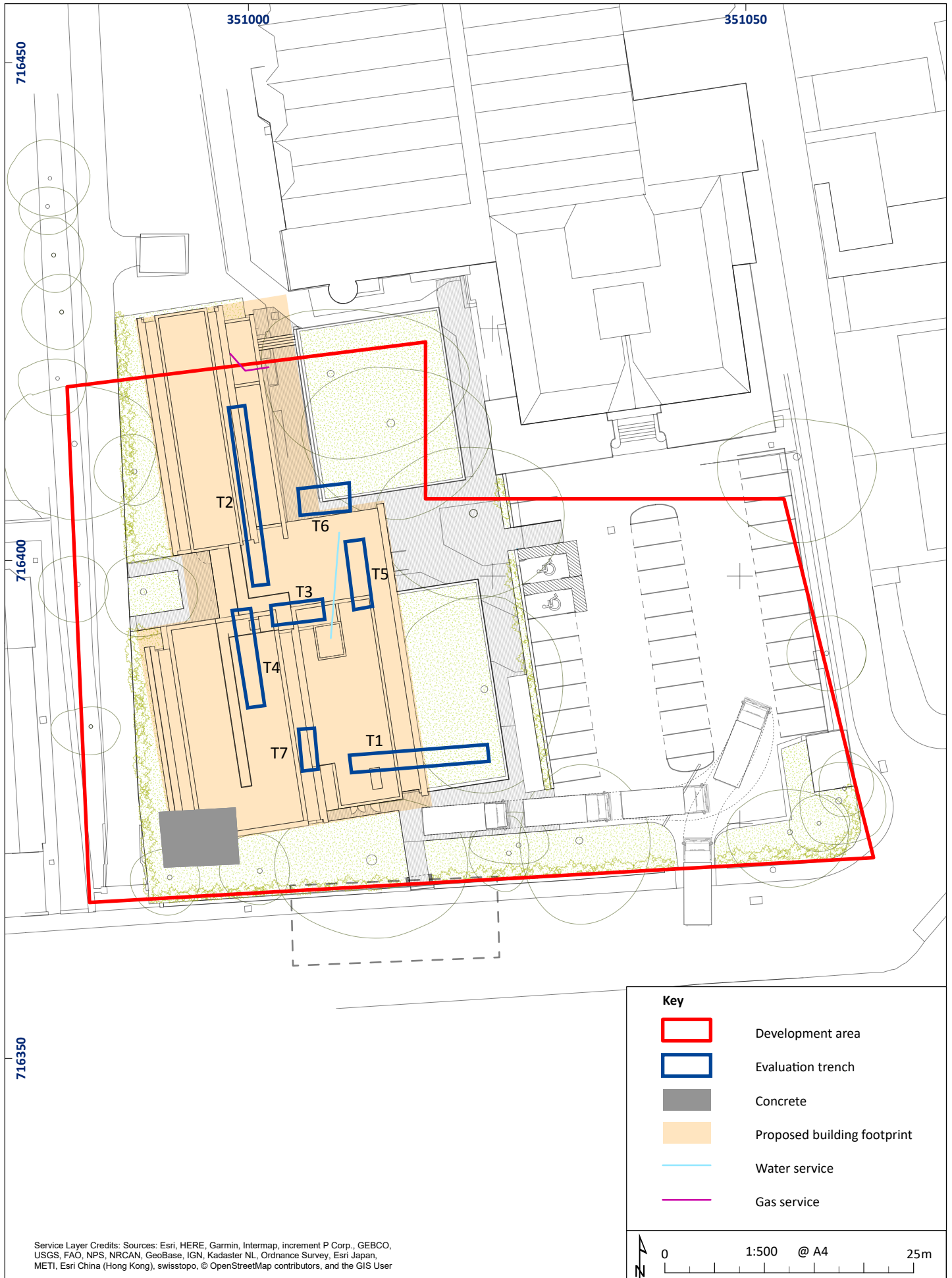


Figure 3: Trench location plan

01/24041/DSR/03/01

# **University of St. Andrews New Music Centre Archaeological Evaluation: Data Structure Report**

## **Section 2: Appendices**

## APPENDIX 1: EVALUATION TRENCH RECORD

### Trench 1

<i>Dimensions</i>	13.5m by 1.6m
<i>Excavated Area</i>	21.6m <sup>2</sup>
<i>Excavated Orientation</i>	W-E
<i>Soil make-up</i>	Tarmac/Type 1 – modern stone – 0.4m Topsoil – Mid black-brown clayey silt - 0.4m B-horizon – Mid grey-brown clayey silt – 0.2m Yellow-orange, mottled grey sand
<i>Natural Subsoil</i>	None
<i>Significant Features</i>	None
<i>Other Features</i>	Sandstone lined Victorian ceramic drain with stone gully channel underneath, N-S
<i>Finds</i>	None

### Trench 2

<i>Dimensions</i>	17.5m by 1.6m
<i>Excavated Area</i>	28m <sup>2</sup>
<i>Excavated Orientation</i>	N-S
<i>Soil make-up</i>	Made Ground – Bitumen/Crushed red brick – 0.59m
<i>Natural Subsoil</i>	Mid orange-yellow sand, mottled grey with occasional bands of pink clay
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Finds</i>	None

### Trench 3

<i>Dimensions</i>	5m by 1.6m
<i>Excavated Area</i>	8m <sup>2</sup>
<i>Excavated Orientation</i>	W-E
<i>Soil make-up</i>	Made Ground – Bitumen/Crushed red brick – 0.59m B-Horizon – Dark brownish silty clay – 0.2 m Mid orange-yellow sand, mottled grey with occasional bands of pink clay
<i>Natural Subsoil</i>	None
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Finds</i>	None

### Trench 4

<i>Dimensions</i>	10m by 1.6m
<i>Excavated Area</i>	16m <sup>2</sup>
<i>Excavated Orientation</i>	S-N
<i>Soil make-up</i>	Made Ground – Bitumen/Crushed red brick – 0.6m
<i>Natural Subsoil</i>	Mid orange-yellow sand, mottled grey with occasional bands of pink clay
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Finds</i>	None

### Trench 5

<i>Dimensions</i>	5m by 1.6m
<i>Excavated Area</i>	8m <sup>2</sup>
<i>Excavated Orientation</i>	N-S
<i>Soil make-up</i>	Made Ground – Bitumen/Crushed red brick – 0.6m
<i>Natural Subsoil</i>	Mid orange-yellow sand, mottled grey with occasional bands of pink clay
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Finds</i>	None

### Trench 6

<i>Dimensions</i>	6m by 2.2m
<i>Excavated Area</i>	13.2m <sup>2</sup>
<i>Excavated Orientation</i>	W-E
<i>Soil make-up</i>	Made Ground – Bitumen/Crushed red brick – 0.6m

<i>Natural Subsoil</i>	Mid orange-yellow sand, mottled grey with occasional bands of pink clay
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Finds</i>	None

**Trench 7**

<i>Dimensions</i>	3.5m by 1.6m
<i>Excavated Area</i>	5.6m <sup>2</sup>
<i>Excavated Orientation</i>	N-S
<i>Soil make-up</i>	Tarmac/Type 1 – modern stone – 0.4m Topsoil – Mid black-brown clayey silt - 0.4m B-horizon – Mid grey-brown clayey silt – 0.2m Yellow-orange, mottled grey sand
<i>Natural Subsoil</i>	Yellow-orange, mottled grey sand
<i>Significant Features</i>	None
<i>Other Features</i>	None
<i>Finds</i>	None

## APPENDIX 2: PHOTOGRAPHIC REGISTER

### Digital

Frame	Description	From	Date
1	Registration	-	12/4/18
2-20	General Views	Various	12/4/18
21-25	Pre-excavation views	Various	12/4/18
26-27	Tarmac Removal	Various	12/4/18
28	View of Victoria culvert	E	12/4/18
29	View of Victoria culvert	NE	12/4/18
30-31	View of Victoria culvert	W	12/4/18
32-33	View of Victoria culvert	W	12/4/18
34-35	Views of S-facing section	S	12/4/18
36-40	Post-excavation views of Trench 1	Various	12/4/18
41-42	General plan view of culvert	N	12/4/18
43-51	Backfilled views	Various	12/4/18
52	Registration second phase	-	29/5/18
53-62	Pre-excavation views of evaluation area	Various	29/5/18
63	Post-excavation of Trench 2	N	29/5/18
64	W-facing section of Trench 2	W	29/5/18
65	General shot of Trench 2	SE	29/5/18
66-69	Views of live services	-	29/5/18
70-71	Live electrical and concrete area unable to excavate	Various	29/5/18
72-73	Post-excavation view of Trench 3	W	29/5/18
74	S-facing section of Trench 3	S	29/5/18
75	Post-excavation view of Trench 4	S	29/5/18
76	E-facing section of Trench 4	E	29/5/18
77	Post-excavation view of Trench 5	N	29/5/18
78	W-facing section of Trench 5	W	29/5/18
79	Post-excavation of Trench 6	W	29/5/18
80	N-facing section of Trench 6	N	29/5/18
81	Post-excavation view of Trench 7	N	29/5/18
82	E-facing section of Trench 7	E	29/5/18
83	General view of Trench 7	N	29/5/18
84-97	Post-excavation shots of site	Various	29/5/18

### APPENDIX 3: 'DISCOVERY AND EXCAVATION IN SCOTLAND' (DES) REPORT

<b>LOCAL AUTHORITY:</b>	Fife Council
<b>PROJECT TITLE/SITE NAME:</b>	University of St. Andrews New Music Centre
<b>PROJECT CODE:</b>	24041
<b>PARISH:</b>	St. Andrews
<b>NAME OF CONTRIBUTOR:</b>	Steven Watt
<b>NAME OF ORGANISATION:</b>	AOC Archaeology Group
<b>TYPE(S) OF PROJECT:</b>	Evaluation
<b>NMRS NO(S):</b>	None
<b>SITE/MONUMENT TYPE(S):</b>	Listed Buildings
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 6 figures)</b>	NO 510 163
<b>START DATE (this season)</b>	12 <sup>th</sup> April 2018
<b>END DATE (this season)</b>	29 <sup>th</sup> March 2018
<b>PREVIOUS WORK (incl. DES ref.)</b>	N/A
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	<p>AOC Archaeology Group was commissioned to conduct an archaeological evaluation at the University of St. Andrews New Music Centre.</p> <p>In total seven trenches were excavated totaling 100.4 m<sup>2</sup> revealing mostly made ground deposits over a mottled yellow sand natural. One trench revealed a sandstone line ceramic field drain with stone gully stones beneath likely relating to the gardens of St. Mary's College in the 19<sup>th</sup> century.</p> <p>No significant archaeological finds or features were uncovered during the evaluation.</p>
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	None
<b>SPONSOR OR FUNDING BODY:</b>	University of St. Andrews, College Gate, St. Andrews, Fife KY16 9AJ
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	AOC Archaeology Group; Edgefield Road Industrial Estate; Loanhead. Midlothian, EH20 9SY
<b>EMAIL ADDRESS:</b>	admin@aocarchaeology.com
<b>ARCHIVE LOCATION</b>	Archive to be deposited in NMRS



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