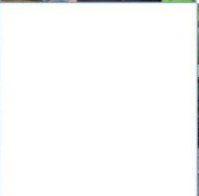
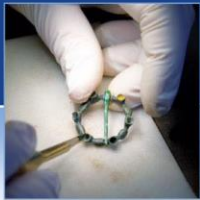


# Haymarket Terrace, Edinburgh Watching Brief Data Structure Report

*AOC Project 24001  
July 2018*



ARCHAEOLOGY

HERITAGE

CONSERVATION

# Haymarket Terrace, Edinburgh Watching Brief: Data Structure Report

**On Behalf of:** Scottish Water,  
Fairmilehead Office,  
55 Buckstone Terrace,  
Edinburgh  
EH10 6XH

**National Grid Reference (NGR):** NT 23735 7322 to NT 23892 73211

**AOC Project No:** 24001

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

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**Date:**

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## Summary

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A programme of archaeological works was required by Scottish Water during the laying of a new sewer at Haymarket Terrace, Edinburgh. The required archaeological works took the form of a watching brief on all ground-breaking works associated with the insertion of this new sewer.

The Watching Brief revealed a number of features, concentrated mainly in the western area. These included a possible Victorian sandstone sewer, a sandstone wall and a culvert.

No further archaeological works are recommended on the site prior to development, this will need to be confirmed in writing by the CECAS on behalf of CEC.

# 1 INTRODUCTION

## 1.1 Site Background

1.1.1 A programme of archaeological works was required by Scottish Water during the laying of a new sewer at Haymarket Terrace, Edinburgh. The required archaeological works took the form of a watching brief on all ground-breaking works associated with the insertion of this new sewer. The need for, and scope of the archaeological works was determined by the City of Edinburgh Council (CEC) who are advised on archaeological matters by the City of Edinburgh Council Archaeology Service (CECAS)

1.1.2 The programme of archaeological works was 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.

## 1.2 Site Location

1.2.1 The development area lies within the west end of Edinburgh City centre, immediately west of Haymarket Station. The site lies wholly within Haymarket Terrace, starting just east of Magdala Crescent (NGR: NT 23735 73223) and extending east 236m finishing just west of Rosebery Crescent (NGR: NT 23892 73211) (Figure 1).

## 1.3 Archaeological Background

1.3.1 The development area extends along a 236m section of Haymarket Terrace and as such is surrounded by Listed Buildings, especially along the northern side of the street. Buildings fronting onto Magdala Crescent, Coated Gardens and Rosebery Crescent are almost all B-Listed. On the south side of Haymarket Terrace at the eastern end lies Haymarket Railway Station (HES No. NT27SW 90) which is A-Listed.

1.3.2 Other sites listed in the HES database includes the site of the former 1860's Haymarket Inn (HES No. NT27SW 3593) which was demolished in 2008 as part of the tram works and the Haymarket Garage site (HES No. NT27SW 172). There is also an HES entry for the overall Haymarket Tenements (HES No. NT27SW 2414)

# 2 OBJECTIVES

2.1 The objective of the archaeological works were:

- i)* To safeguard the archaeological resource from any adverse impacts created by groundworks associated with the insertion of the new sewer at Haymarket Terrace;
- ii)* To liaise with CECAS and the client in the event of significant archaeological features and/or small finds being unearthed as to the most appropriate response in safeguarding these features wither by preservation in situ, if at all feasible, or by archaeological recording.

# 3 METHODOLOGY

3.1 The watching brief involved the monitoring of all ground-breaking works associated with the excavation of the main drainage trench and box trenches near the site offices at Magdala Crescent.

This was achieved using a flat bladed ditching bucket, with any excavation less than 1m below the modern ground level not requiring monitoring.

## 4 RESULTS

### 4.1 Introduction

4.1.1 The watching brief involved the monitoring of all ground-breaking works associated with the excavation of the main drainage trench and box trenches near the site offices at Magdala Crescent. This was achieved using a flat bladed ditching bucket, with any excavation less than 1m below the modern ground level not requiring monitoring.

4.1.2 The excavation depth was generally 3-4m and the natural subsoil [000] was reached at about 1.8-2m. Through the length of the excavated area, the first meter consisted mainly of a made-ground [003] of tarmac and concrete. The subsoil [004] which made up the next meter was a mid orangey-brown clay-silt and as the excavation progressed from east to west, a very organic dark greyish-brown clay-silt was noted in the lower part of this deposit.

4.1.3 Visibility was affected by a number of factors. These included the depth of the excavated area, the narrowness of the excavation trench and the requirement for shoring to be in place once depths exceeded 1.0 metre. The weather conditions were generally good, with snow and rain occasionally affecting visibility.

### 4.2 Watching brief on Phase 3 excavation extending east to west

4.2.1 The excavation of Phase 3 started from the eastern most extent of the development area and continued westward along Haymarket Terrace. The initial 1-1.5m consisted of made-ground [003] which included an E-W ceramic drain, services and N-S metal beams encased in concrete at a depth of 0.3m (Plate 1). The made-ground overlay a mid orangey-brown clay-silt mixed with darker greyish-brown clay-silt subsoil [004]. Natural boulder clay, [000] was reached at about 2m.



Plate 1 – N-S Metal beams encased in concrete

4.2.2 A BT Brick chamber was exposed at a depth of about 3m, with the area surrounding it visibly disturbed by modern activity. Large flagstones were observed at a depth of about 2m below street

level, within an organic dark greyish-brown clay silt deposit. It was mostly observed after being displaced with one flagstone still visible in the N-facing section (Plate 2).



**Plate 2 – Displaced Flagstone**

#### **4.3 Watching brief on Phase 1 excavation extending west to east**

4.3.1 The excavation of Phase 1 started from the westernmost extent of the development area and continued eastwards along Haymarket Terrace. Excavation at the western end exposed a sandstone sewer [009] at a depth of 2m extending E-W the length of the opened section (Plate 3). The in-use sewer was made of sandstone blocks, 0.30m thick, with coarse concrete bonding. The interior measured 1.30m high and 1m wide.



**Plate 3 – Victorian sewer**



#### 4.4 Box Trench 1

The S-facing sandstone wall [001] of a possible culvert was exposed 0.80m below the street level along the S-facing section of Box Trench 1 (Figure 2). The wall was visible for about 2.5-3.5m and was made up of 3 courses, 0.7m high in total with a sandy lime mortar bonding (Plate 4). The lowest course appeared to be a foundation, with a mix of slabs measuring 1m x 0.5m x 0.15m and smaller stones. The second course was made up of large angular blocks 0.8m x 0.5m x 0.32m. The upper course consisted of longer angular blocks 1m x 0.5m x 0.2m. The sandstone wall [001], was set over a dark grey-brown clay-silt deposit [002].



Plate 4 – Sandstone wall [001] in Box Trench 1

#### 4.5 Box Trench 2

- 4.5.1 A culvert [008] was exposed in the NW corner of Box Trench 2, at a depth of 4m (Figure 3). It was set on an E-W orientation, but possibly turned north on both sides, joining up with a brick manhole further to the NE (Plate 5). The culvert was made up of mostly medium sized stones about 0.4m x 0.3m x 0.15m bonded with a lime mortar and an internal width of 0.7m. Up to 5-6 courses were exposed, although the full depth could not be determined due to the water level.



**Plate 5 – Detail of Culvert [008] showing brick manhole**

- 4.5.2 Along the W-facing section of Box Trench 2, the excavation revealed a 3 course wall [005], 0.45m high, with a sandy-clay bonding at about 1.65m below the street level (Plate 6). A rubble deposit of medium to large stones and occasional unfrosted bricks (006) was exposed south of the wall [005] with a possible second wall to the south of (006). A possible surface [007] was observed below (006) at a depth of 2.1m.



**Plate 6 – Detailed view of [005], (006) and [007]**

## 5 DISCUSSION AND CONCLUSIONS

- 5.1 The Watching Brief on the development area exposed a number of features concentrated in the western area. These included a possible Victorian sandstone sewer, a sandstone wall and a culvert. The initial 1-1.5m of the area exposed consisted of tarmac and made-ground with services and ceramic drains throughout. The subsoil made up the next meter with the natural reached at about 2m.
- 5.2 No further archaeological works are recommended on the site prior to development, this will need to be confirmed in writing by the CECAS on behalf of CEC.

## 6 REFERENCES

### 6.1 Bibliographic references

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

Scottish Government 2014 *SPP Scottish Planning Policy*.

Haymarket Terrace, Edinburgh: Watching Brief  
Data Structure Report

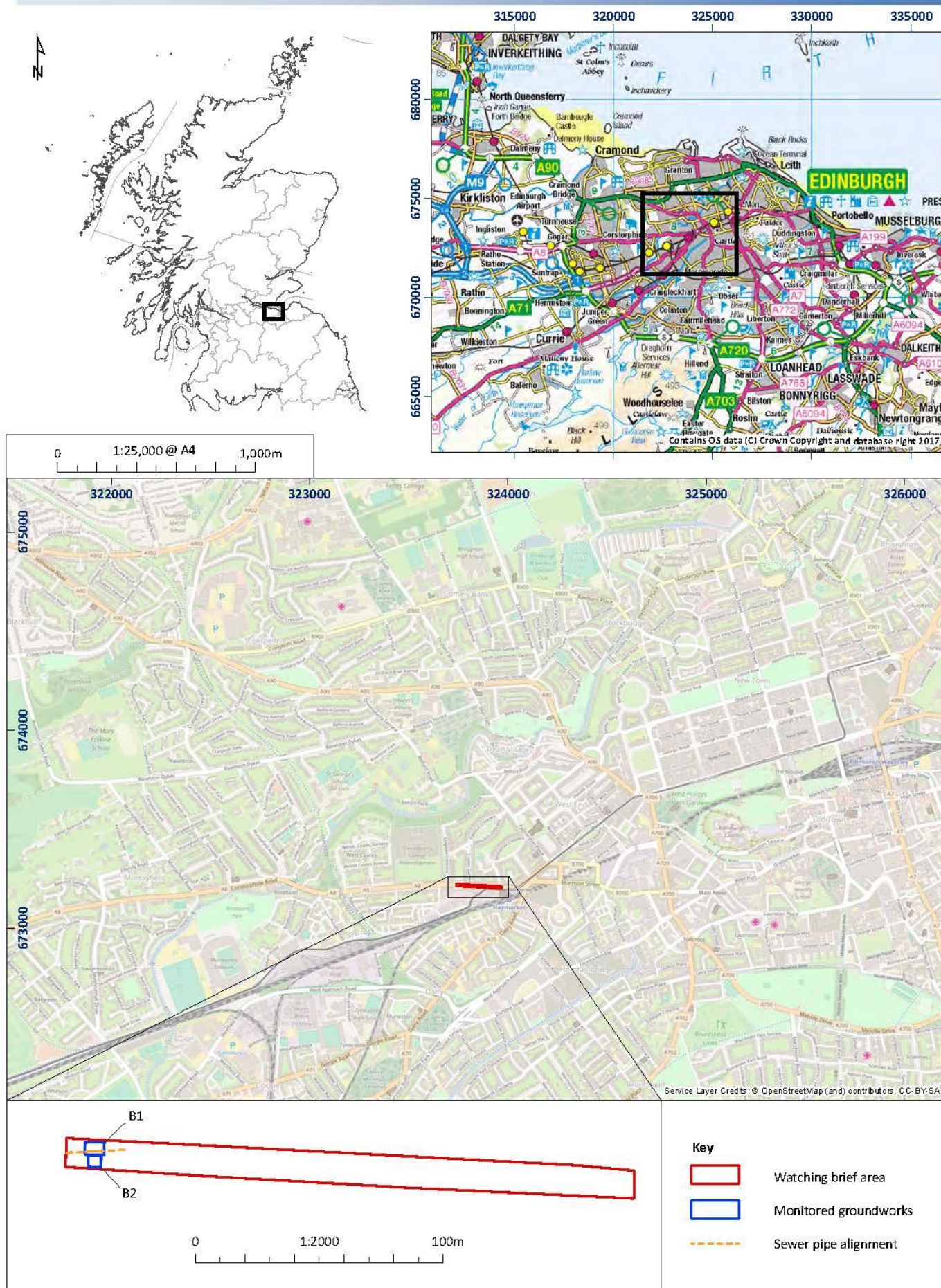
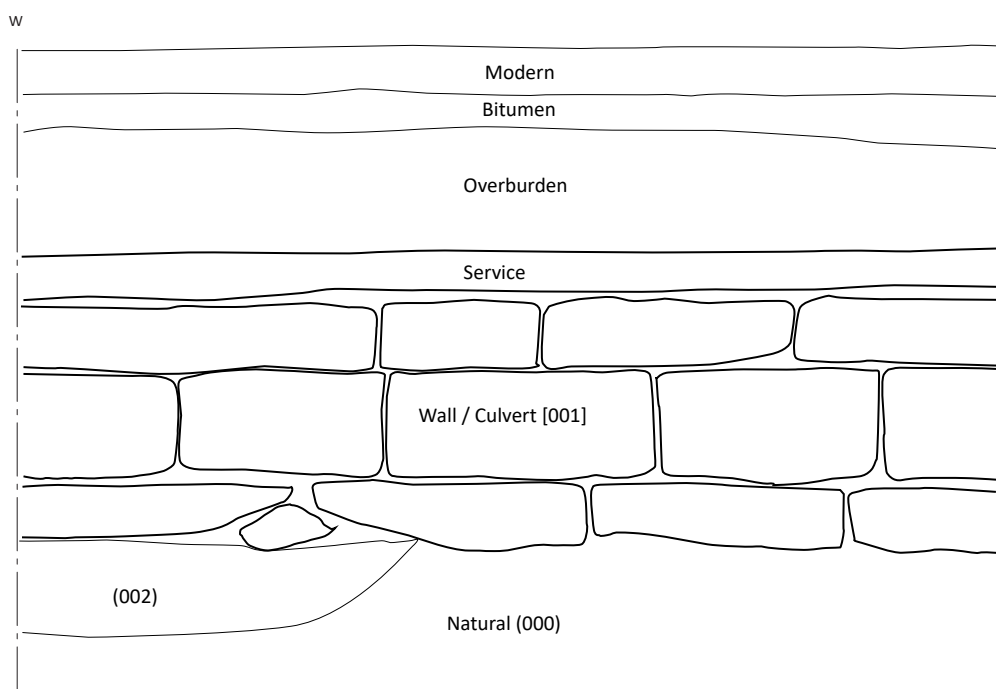


Figure 1: Site location plan

01/24001/DSR/01/01

Section AA



B1 Plan

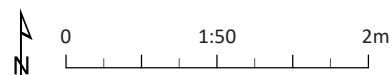
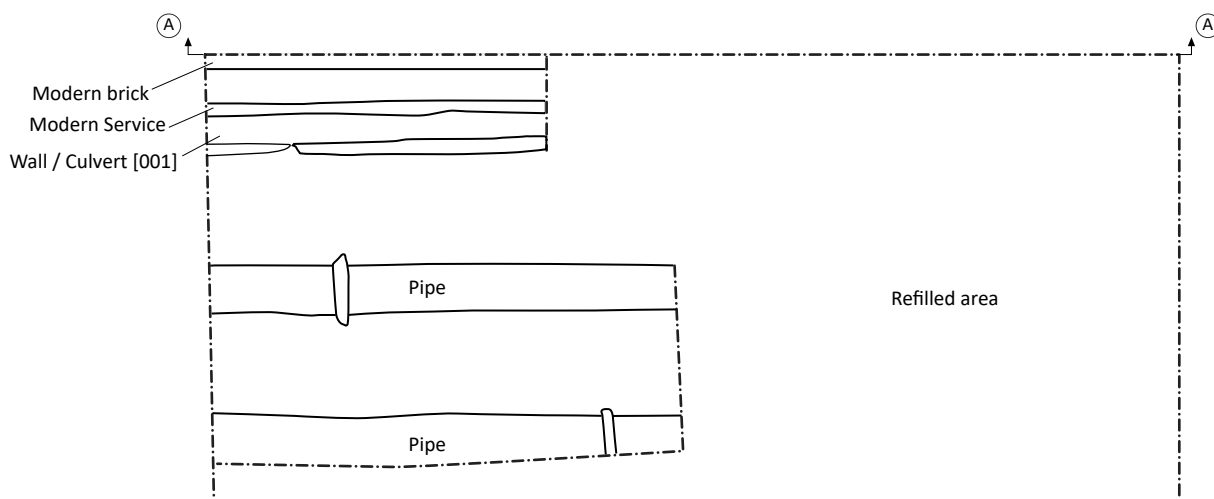


Figure 2: Section and plan of Box Trench 1

01/24001/DSR/02/01

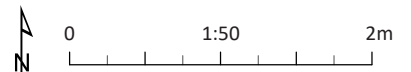
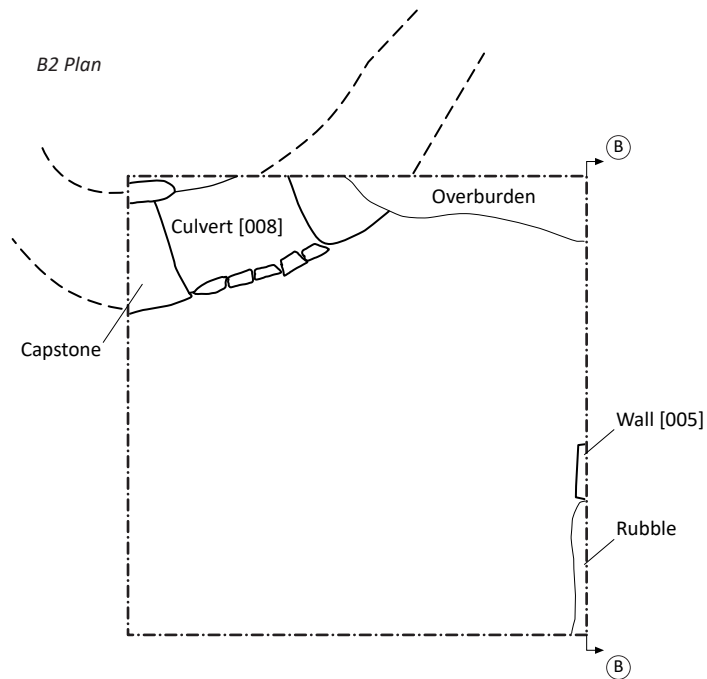
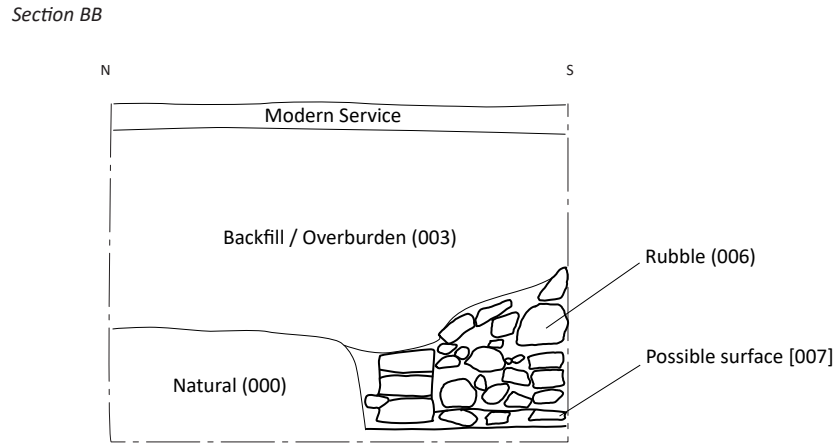


Figure 3: Section and plan of Box Trench 2

01/24001/DSR/03/01

# **Haymarket Terrace, Edinburgh Watching Brief: Data Structure Report APPENDICES:**

## APPENDIX 1: CONTEXT REGISTER

Context No.	Description	Area
[000]	Natural, boulder clay	All
[001]	Sandstone wall/ culvert in north edge of BT1	Box Trench 1
[002]	Dark brown grey clay silt deposit underlying [001]	Box Trench 1
[003]	Modern surface and overburden	All
[004]	Buried topsoil	Main drainage trench
[005]	Sandstone wall in SE corner of BT2	Box Trench 2
[006]	Rubble fill of structure of wall [005]/[007]	Box Trench 2
[007]	Possible surface/flooring layer under [006]	Box Trench 2
[008]	Sandstone culvert in NE corner of BT2	Box Trench 2
[009]	Sandstone sewer, 1.30m interior height and 1m interior width. 0.30m thick walls of sandstone blocks with coarse concrete bonding.	Main drainage trench



## APPENDIX 2: PHOTOGRAPHIC REGISTER

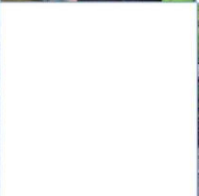
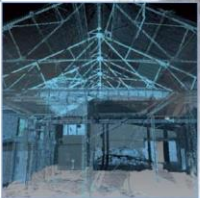
Photo No.	Description	From	Date
1	TP to east of cabin	S	16/10/17
2-3	TP looking for old sewer	S	16/10/17
4	General view of trench showing BT structure	NW	06/11/17
5	General view of trench showing BT structure	N	06/11/17
6	General view of trench	W	06/11/17
7-8	N facing section showing services	S	06/11/17
9	N facing section showing services	SW	06/11/17
10-11	General view of excavation	W	06/11/17
12	General view of excavation showing bedrock	W	08/11/17
13	General view of excavation showing bedrock	NW	08/11/17
14	Ceramic pipe	SE	08/11/17
15	S facing section	S	09/11/17
16	General view of excavated area	NW	09/11/17
17	General view of excavated area	W	09/11/17
18	General view of excavated area	S	13/11/17
19	Detailed view of drain	SE	13/11/17
20	Detailed view of drain	SE	13/11/17
21	Detailed view of drain	SE	13/11/17
22	General view of excavated area	SE	13/11/17
23	General view of excavated area	SE	15/11/17
24	General view of excavated area	SE	15/11/17
25	Drain down to sewer (Phase 1)	P	16/11/17
26	Drain down to sewer (Phase 1)	P	16/11/17
27	Section through sewer below manhole	E	20/11/17
28	Section through sewer	W	20/11/17
29	Section through sewer	W	20/11/17
30	Phase 3 – General view of section through trench	S	20/11/17
31	Phase 3 – General view of section through trench	S	20/11/17
32	Phase 3 – General view of section through trench	S	20/11/17
33	Phase 3 – General view of section through trench	S	20/11/17
34	Sandstone removed from trench	N	20/11/17
35	Phase 3 – General view of section through trench	N	20/11/17
36	Phase 3 – General view of section through trench	N	20/11/17
37	Phase 3 – General view of section through trench	N	20/11/17
38	Phase 3 – General view of section through trench showing services	N	20/11/17
39	Phase 3 – General view of section through trench	N	20/11/17
40	S-facing section of first 1.8m of Phase 3 trench at c. 45m	S	30/11/17
41	N-facing section of first 1.8m of Phase 3 trench at c.45m	N	30/11/17

42	General shot of trench	W	30/11/17
43	General shot of trench	E	30/11/17
44	General shot of trench	W	30/11/17
45	General shot of trench	N	30/11/17
46	General shot of trench	E	30/11/17
47	General shot of trench	E	30/11/17
48	General shot of trench	SE	11/01/18
49	General shot of trench	E	11/01/18
50	Close up shot of old tram works	E	11/01/18
51	General shot of trench	W	16/01/18
52	S-facing section of trench	S	16/01/18
53	S-facing section of trench	S	18/01/18
54	General shot of trench	SW	18/01/18
55	General shot of trench	W	18/01/18
56	General shot of trench	W	30/01/18
57	General shot of trench	SW	30/01/18
58	General shot of trench – with brick manhole	NW	30/01/18
59	General shot of trench	SW	01/02/18
60	General shot of trench	SW	01/02/18
61	General shot of trench	SE	01/02/18
62	Box trench outside Apex hotel with [001]	SW	06/02/18
63	Shot of [001]	W	06/02/18
64	Shot of [001]	S	06/02/18
65	Shot of [001]	S	06/02/18
66	Shot of [001]	S	06/02/18
67	General shot of trench	NW	08/02/18
68	N-facing section of trench	N	08/02/18
69	S-facing section of trench	S	20/02/18
70	General shot of trench	S	20/02/18
71	General shot of trench	SE	20/02/18
72	N-facing section of trench	N	20/02/18
73	N-facing section of trench	N	22/02/18
74	N-facing section of trench	N	22/02/18
75	N-facing section of trench with location (outside shop)	N	22/02/18
76	General shot with N-facing section	NW	22/02/18
77	General shot of box trench 2 in site office area	NW	06/03/18
78	N-facing section of box trench 2 in site office area	N	06/03/18
79	W-facing section with [005]-[007]	NW	08/03/18
80	W-facing section with [005]-[007]	WNW	08/03/18
81	W-facing section with [005]-[007]	W	08/03/18
82	W-facing section with [005]-[007]	W	08/03/18

83	W-facing section with [005]-[007]	WNW	08/03/18
84	W-facing section with [005]-[007]	W	08/03/18
85	W-facing section with [005]-[007]	WSW	08/03/18
86	Interior shot of culvert [008]	SW	12/03/18
87	Interior shot of culvert [008]	E	12/03/18
88	Interior shot of culvert [008]	E	12/03/18
89	Interior shot of culvert [008]	SW	12/03/18
90	Culvert [008]	S	12/03/18
91	Culvert [008]	S	12/03/18
92	Culvert [008]	S	12/03/18
93	Culvert [008]	S	12/03/18
94	Culvert [008]	S	12/03/18
95	Culvert [008]	S	12/03/18
96	Culvert [008]	S	12/03/18
97	Culvert [008]	S	12/03/18
98	General shot of BT2 from outside with [008] in top right	SE	12/03/18
99	General shot of BT2 from outside with [008] in top right	SE	12/03/18

**APPENDIX 3: 'Discovery and Excavation in Scotland' (DES) Report**

<b>LOCAL AUTHORITY:</b>	The City of Edinburgh Council
<b>PROJECT TITLE/SITE NAME:</b>	Haymarket Terrace, Edinburgh
<b>PROJECT CODE:</b>	24001
<b>PARISH:</b>	City of Edinburgh
<b>NAME OF CONTRIBUTOR:</b>	Keiran Boyle and Anne-Aymonne Marot
<b>NAME OF ORGANISATION:</b>	AOC Archaeology Group
<b>TYPE(S) OF PROJECT:</b>	Watching Brief
<b>NMRS NO(S):</b>	None
<b>SITE/MONUMENT TYPE(S):</b>	None
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 6 figures)</b>	NT 23735 7322 to NT 23892 73211
<b>START DATE (this season)</b>	16 <sup>th</sup> October 2017
<b>END DATE (this season)</b>	11 <sup>th</sup> May 2018
<b>PREVIOUS WORK (inc DES)</b>	None
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	<p>A programme of archaeological works was required by Scottish Water during the laying of a new sewer at Haymarket Terrace, Edinburgh. The required archaeological works took the form of a watching brief on all ground-breaking works associated with the insertion of this new sewer.</p> <p>The Watching Brief revealed a number of features, concentrated mainly in the western area. These included a possible Victorian sandstone sewer, a sandstone wall and a culvert.</p> <p>No further archaeological works are recommended on the site prior to development, this will need to be confirmed in writing by the CECAS on behalf of CEC.</p>
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRATIONS:</b>	N/A
<b>SPONSOR OR FUNDING BODY:</b>	<b>Scottish Water</b>
<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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