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Site & Landscape Survey

Geophysical Survey

**Student Residential Development
22-24 Orwell Terrace
Dalry
Edinburgh**

Archaeological Watching Brief

Report No. 3318

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This document has been prepared in accordance with CFA Archaeology Ltd standard operating procedures.

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1. INTRODUCTION

1.1 General

This report presents the results of an archaeological watching brief undertaken in June and July 2015 during ground-works for a student residential development at 22-24 Orwell Terrace Dalry, Edinburgh (NGR NT 23842 72724) (Fig. 1). The work was commissioned by CCG (Scotland) Ltd.

A Written Scheme of Investigation (WSI) dated 10 November 2014 for this programme of works was produced by CFA on behalf of CCG (Scotland) Ltd. The WSI was designed to meet the requirements of the City of Edinburgh Council Archaeology Service (CECAS).

1.2 Background

Planning Permission (1201928/FUL) was granted for the construction of student residential accommodation at 22-24 Orwell Terrace, Dalry, Edinburgh, subject to an archaeological condition requiring a watching brief during groundbreaking works. This programme of works was required because the development occupies the site of the former City Roads Stone Depot. The City Roads Stone Depot is depicted on the 25" Ordnance Survey map of 1896 and is considered of local importance in relation to Edinburgh's Victorian industrial development. Earlier Ordnance Survey 6" maps dating to 1853 and 1885 depict the development area as lying within the grounds of West Dalry House (Wester Dalry House on the 1853 map), which itself was built within the grounds of the 17th century Dalry House (RCAHMS No.NT27SW 117) which lies a short distance to the east at Orwell Place. Later Ordnance Survey maps dating from c.1908 onwards depict a considerable level of development indicating that the City Roads Stone Depot only occupied the site for a relatively short period of time during the late 19th and early 20th century. The later buildings consisted of a saw-mill occupying the western part of the development area and a GPO Garage occupying the eastern part of the development area. These buildings were demolished during the second part of the 20th century and industrial units were constructed.

When the watching brief was undertaken in June and July 2015, the development area was a demolition site consisting of the remains of the recently demolished Plumb Center. The foundations of this recently demolished later 20th century industrial unit were removed under watching brief conditions in order to establish the possible survival of any earlier features.

1.3 Objectives

The objectives of the programme of archaeological works were

- To conduct an appropriate programme of archaeological investigation (Watching Brief) to monitor groundbreaking, to include the initial site strip / site reduction and foundation and service excavation to ensure that if any remains of the former City Roads Stone Depot or other archaeologically significant features were uncovered, they were carefully exposed so as to allow further excavation and recording work to take place

- To record (by excavation) any surviving remains of archaeological importance that were present prior to their removal to allow construction to proceed.

2. WORKING METHODS

CFA Archaeology Ltd follows the Chartered Institute for Archaeologists' Code of Conduct, Standards and Guidance for Archaeological Fieldwork.

Groundbreaking works including the initial site strip/site reduction and foundation/service excavation were carried out using a 360° mechanical excavator under constant archaeological supervision. Following the removal of the bulk of the overburden, any further cleaning required to fulfil the terms of the brief were carried out by hand.

The stratification of all excavated areas was recorded whether or not significant archaeological deposits were identified.

All excavation and on-site recording was carried out according to standard CFA procedures, principally by drawing, photography and by completing standard CFA record forms.

3. ARCHAEOLOGICAL RESULTS

A number of features (**1007/1008, 1020, 1021, 1023, 1024, 1025, 1026, 1027 and 1029**) relating to the 20th century development of the site were identified, sealed beneath levelling deposits associated with the recently demolished Plumb Center. These included fragmentary wall lines, brick structures, concrete foundations and drains (Figs. 1-5). The majority of these features had been constructed with bricks stamped WHITEHILL. This brickworks was situated near Rosewell in Midlothian and was associated with the Whitehill Colliery (also known as Rosewell Colliery), which was set up by Archibald Hood during the 19th century and later owned by the Lothian Coal Company. The brickworks began production in the late 19th century and was closed in 1977.

Two earlier stone box drains (cundy drains) (**1016 and 1022**) (Fig.1, 6 and 7) were identified running across the site from NNW to SSW. These were c.0.7m wide by 0.4m deep and were of sandstone construction. The sides of the drains were constructed of angular blocks of between one and three courses, which were covered over with flat capstones. The drains survived intact in a number of places but many of the capstones had been damaged by later development. Drains of this nature are common features within the grounds of large 19th century houses and the proposed development area is depicted as lying within the grounds of West Dalry House on Ordnance Survey maps dating to 1853 and 1885.

4. CONCLUSIONS AND RECOMMENDATIONS

An archaeological watching brief was carried out during ground-works for a student residential development at 22-24 Orwell Place on the site of the recently demolished Plumb Centre. This area was the site of the former City Roads Stone Depot, which is depicted on the Ordnance Survey map of 1896. A number of fragmentary wall lines, concrete surfaces and ceramic drains were uncovered, all of which are most likely to relate to the early 20th century development of the site. Also uncovered were two stone box drains. These may have related to drainage of the former stone depot or drainage within the grounds of the former West Dalry House depicted on Ordnance Survey maps dating from 1853 and 1885.

CFA does not recommend any further archaeological work in relation to this programme of works. However the final decision on any further mitigation measures lies with CECAS.

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the RCAHMS and copies of reports will be lodged with the City of Edinburgh Council Sites and Monuments Record.

A summary statement to be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 3) will be sufficient to disseminate the results of this programme of works. An OASIS Scotland entry will also be completed.

5. BIBLIOGRAPHY

Ordnance Survey 6" map, 1853: *Sheet 2*

Ordnance Survey 6" map, 1985: *Sheet 2*

Ordnance Survey 25" map, 1896: *Sheet 003.11*

Ordnance Survey 25" map, 1908: *Sheet 003.11*

Ordnance Survey 25" map, 1914: *Sheet 003.11*

Ordnance Survey 25" map, 1933: *Sheet 003.11*

APPENDIX 1: Context Register

No	Description
1000	Concrete for Plumb Center
1001	Levelling deposit
1002	Made ground
1003	Natural clay
1004	Topsoil
1005	Cut for Plumb Centre foundation trenches
1006	Concrete
1007	Wall of inspection chamber pit
1008	Wall of inspection pit
1009	Cut of inspection pit
1010	Made ground
1011	Made ground
1012	Demolition debris
1013	Cut of demolition pit
1014	Cut for box-drain 1016
1015	Fill of box-drain 1016
1016	Box-drain
1017	Fill of culvert 1016
1018	Lower fill of culvert
1019	Redeposited natural within culvert 1016
1020	Brick structure
1021	Brick structure
1022	Box-drain
1023	Brick structure
1024	Brick structure
1025	Brick-structure
1026	Concrete foundation
1027	Brick structure
1028	Ceramic drain
1029	Fired clay blockwork

APPENDIX 2: Photographic Register

Photo No	Description	Taken towards	Conditions
1	Removing rear wall foundations of plumb centre	SW	Sunny
002-3	Topsoil on s side of site	SW	Sunny
004-7	Removing rear wall foundations of plumb centre	W	Overcast
8	Shot of makeup layer 1001	W	Overcast
9	S foundations of plumb centre s wall removed	E	Overcast
10	Removing w wall of plumb centre foundations	N	Overcast
011-12	Removing w wall foundations of plumb centre, view n. Shot shows clay layer 1003	N	Overcast
13	Removing one of the central foundations of the plum center	N	Overcast
14	Shot of 1007 prior to cleaning	E	Sunny
15	Ibid	S	Sunny
16	Shot of brick feature 1007/1008	E	Overcast
17	Ibid	SE	Overcast
18	Ibid	N	Overcast
19	Ibid	W	Overcast
20	Ibid	NE	Overcast

Photo No	Description	Taken towards	Conditions
21	Shot of layer 1012. Roof demolition fallen into structure 1007/1008	E	Overcast
22	Shot of orientation of structure 1007/1008 in relation to line of concrete 1000	W	Sunny
23	General stripping of concrete in center of old plum centre.	NW	Raining
24	Photo of removal of block foundations in middle of old plumb centre building	N	Raining
25	Photo of breaking site concrete at e end of site	NW	Sunny
26	Shot digging foundations up. Ne corner of pkumb centre. Showing layer 1003 1.6m down from surface.	S	Sunny
027-028	Shot of wall foundations for e gale wall pecked out. Typ1 10cm, 1001, 30cm. 1002, 50-70cm	S	Overcast
029-030	Shot of excavated e wall foundation of plumb centre. Main trench foundation cut was 0.7m. Pad cuts 0.9m down from ss into 1002	S	Sunny
031-032	Excavating S wall foundations	E	Overcast
33	Wall foundations	E	Overcast
034- 035	Culvert (1016) where capstones damaged	S	Overcast
036- 037	Culverts where capstones damaged cleaned out	S	Overcast
038- 040	Culverts where capstones damaged cleaned out	W	Overcast
041- 042	Culverts where capstones damaged cleaned out	N	Overcast
043- 045	N end of culvert (1016) cleaned	S	Overcast
046- 047	N end of culvert (1016) cleaned	W	Overcast
48	Section of culvert (1016) in lift foundation	S	Overcast
049- 050	Section of culvert (1016) in lift foundation	SE	Overcast
051- 053	Section of culvert (1016)	S	Overcast
054- 055	Fencing trench at s of site	NE	Overcast
56	corner of wall 1020	SWW	Overcast
57	full extent of current excavation of 1020	SWW	Overcast
058- 059	Front view of full extent of 1020	SW	Overcast
60	End of wall 1021	NW	Overcast
61	General shot of site 30.06	E	Overcast
62	General shot of site 30.06 showing 1020+ 1021	NW	Overcast
63	Furthest identified 1016		Overcast
064- 065	Line of 1016	SE	Overcast
66	Fully excavated area	E	Overcast
67	General shot, area already excavated	SE	o/c/ rain
68	Possible drain? In plan	SW	o/c/ rain
69	Possible drain, pipe visible	SE	o/c/ rain
70	Possible drain, pipe visible	SW	o/c/ rain
71	Possible drain In plan	SE	o/c/ rain
72	Possible drain In plan	NE	o/c/ rain
73	General shot of area to N of site excavated	E	o/c/ rain
74	General shot of area to N of site excavated	S	o/c/ rain
75	(1016) in section SE end of site	SE	o/c/ rain
76	General shot of SE and excavation finished	SW	o/c/ rain
77	General shot of SE and excavation finished	NE	o/c/ rain
78	General shot of SE and excavation finished	NE	o/c/ rain
79	General shot of SE and excavation finished	S	o/c/ rain
80	Ceramic drain	NW	clear
81	Stone drain 1022	W	clear
82	Concrete foundation	NW	clear
83	Concrete foundation	Plan	clear
84	Foundation of building	SW	bright
85	Foundation of building showing corner	NW	bright
86	Foundation of building showing corner	SW	bright

Photo No	Description	Taken towards	Conditions
87	Drain? Parrallel to drain in pic 081	SW	bright
88	Wall at edge of site (NW corner)	W	bright
89	Wall at edge of site (NW corner)	NW	bright
90	Drain?	S	bright
91	General shot completed excavation	W	bright
92	General shot completed excavation	SW	bright
93	General shot completed excavation	S	bright
94	General shot completed excavation	W	bright
95	General shot completed excavation	NW	bright
96	General shot completed excavation	NW	bright
097- 098	Stone drain in plan	SE	o/c
099- 100	Stone drain 1022 in section- trench edge	SE	o/c
101	Stone drain1022 in section- trench edge+ plan	SE	o/c
102	Stone drain 1022 in section- trench edge	SE	o/c
103	Modern foundation in plan	NW	o/c
104- 105	Drain in plan circular building	W	o/c
106- 107	Drain in plan circular building	NW	o/c
108- 109	Base of stone drain	SE	o/c
110- 111	Possible building foundations (pics 103- 106)	SW	o/c
112	General post ex shot circular building	NNE	o/c
113	General post ex shot circular building	NE	o/c
114	General post ex shot circular building	NE	o/c
115	General post ex shot circular building	E	o/c
116	General post ex shot circular building		

APPENDIX 3: Field Drawings Register

Drawing No	Description	Scale	Type
1	Plan of brick structure 1007/8	1:20	Plan
2	Location plan of brick structure 1007/8	1:20	Plan
3	Plan of box-drain 1016	1:50	Plan
4	Section of box drain 1016	1:10	Section

APPENDIX 4: Discovery & Excavation in Scotland Entry

LOCAL AUTHORITY:	City of Edinburgh Council
PROJECT TITLE/SITE NAME:	Student Residential Development, 22-24 Orwell Terrace Dalry, Edinburgh
PROJECT CODE:	ORWE
PARISH:	Edinburgh
NAME OF CONTRIBUTOR:	Magnus Kirby
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Archaeological Watching Brief
NMRS NO(S):	N/A
SITE/MONUMENT TYPE(S):	N/A
SIGNIFICANT FINDS:	N/A
NGR	NT 23842 72724
START DATE (this season)	June 2015
END DATE (this season)	July 2015
PREVIOUS WORK (incl. DES ref.)	N/A
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	A watching brief was carried out during ground-works for a student residential development at 22-24 Orwell Place on the site of the recently demolished Plumb Centre. This area was the site of the former City Roads Stone Depot, which is depicted on the Ordnance Survey map of 1896. Several fragmentary wall lines, concrete surfaces and ceramic drains were uncovered, all of which appeared to relate to the early 20 th century development of the site. Also uncovered were two stone box drains. These may have related to drainage of the former stone depot or drainage within the grounds of the former West Dalry House depicted on Ordnance Survey maps dating from 1853 and 1885.
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	N/A
SPONSOR OR FUNDING BODY:	CCG (Scotland) Ltd
ADDRESS OF MAIN CONTRIBUTOR:	The Old Engine House, Eskmills Park, Musselburgh, EH21 7PQ
EMAIL ADDRESS:	cfa@cfa-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	RCAHMS City of Edinburgh Council Sites and Monuments Record (Report)



Key:

- Area of watching brief
- 19th century features
- 20th century features



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Fig. No: **1** Report No: **3318**

Title:
Location map showing features uncovered

Project:
Student Residential Development, 22-24 Orwell Terrace, Dalry, Edinburgh Archaeological Watching Brief

Client:
GGC

Scale at A3:
1:400

Drawn by: **TB** Checked: **BG** Date: **27/08/2015**

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LEGEND

- 1 Ordnance Survey OS Name
- 2 Ordnance Survey OS Name
- 3 Ordnance Survey OS Name
- 4 Ordnance Survey OS Name
- 5 Ordnance Survey OS Name
- 6 Ordnance Survey OS Name

GENERAL NOTES:

1. All archaeological features shown on this plan are the result of a watching brief.
2. The plan is based on the Ordnance Survey OS Name and the Ordnance Survey OS Name.
3. The plan is based on the Ordnance Survey OS Name and the Ordnance Survey OS Name.
4. The plan is based on the Ordnance Survey OS Name and the Ordnance Survey OS Name.
5. The plan is based on the Ordnance Survey OS Name and the Ordnance Survey OS Name.
6. The plan is based on the Ordnance Survey OS Name and the Ordnance Survey OS Name.

DO NOT SCALE



Fig. 2 - Brick structure 1023



Fig. 3 - Brickwork 1025



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Fig. 4 - Structure 1007/1008



Fig. 5 - Brick wall 1027



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Fig. 6 - Box drain 1016



Fig. 7 - Box drain 1022



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Title:	Fig. 6 - 7	Report: 3318	Drawn: TB	CKD: BG	Date: 27/08/15
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