

CFA ARCHAEOLOGY LTD

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**Preston Kirkholm Sewerage Pumping Station,
East Linton, East Lothian.**

**Archaeological
Watching Brief.**

Report No. 1495

CONTENTS

1.	Introduction	3
2.	Methodology	3
3.	Archaeological Results	4
4.	Conclusions	4

Appendices

1.	Photographic Register	5
2.	A summary of the monitored areas	5
3.	Discovery and Excavation in Scotland Entry	6

Illustration (bound at rear)

Fig. 1 Location map showing watching brief areas

Fig. 2 View of Trench 1 from SW

Fig. 3 Plough scores in Trench 1

Fig. 4 View of Test Pit 5 from SW

Fig. 5 View of Trench 2 from NE

1. INTRODUCTION

1.1 General

- 1.1.1 This report presents the results of an Archaeological Watching Brief undertaken by CFA Archaeology Ltd (CFA) in June 2008 during pipeline construction works as part of the Preston Kirkholm Sewerage Pumping Station (Fig. 1). The route of the rising main runs from the East Linton WwTW to the Preston SPS (NGR: NT 5968 7792 to NT 5918 7746). The work was commissioned by Scottish Water Solutions.
- 1.1.2 A Written Scheme of Investigation (WSI) was produced by CFA based on documentation supplied by the client, Scottish Water Solutions, and approved by the East Lothian Council Heritage Officer.
- 1.1.3 The working corridor was situated approximately 60m to the north-west of the Scheduled Ancient Monument known as Houston Mill (SAM no. 6069; SMR no. MEL828). This circular enclosure, linear features and ring-ditch are visible on aerial photographs as cropmarks, and testify to prehistoric settlement within the vicinity of the proposed working area. A further Scheduled ancient Monument lies to the north-west of the development site: SAM 6379 (SMR no. 871) encompasses the monument known as Drylawhill cursus, a ritual earthwork of prehistoric date, along with possibly associated features represented by cropmarks. It also encompasses what are probably the superimposed remains of two distinct phases of enclosed settlement recorded as cropmarks at Drylawhill (SMR no. 827). A possible continuation of this cursus is recorded as cropmarks on the same alignment 470m to the ENE (SMR no. MEL829).
- 1.1.4 Further evidence for prehistoric settlement and activity in the area is attested by a number of other sites in the vicinity: to the north-west of the development area is Drylawhill early Christian long cist cemetery (SMR no. MEL6551); Preston Mill settlement site to the north of the development (SMR no. MEL2577), Preston Mains possible prehistoric settlement visible as a cropmark to the north-east (SMR no. MEL2545), and a cropmark enclosure and possible building at Phantassie to the south (SMR no. MEL2579).
- 1.1.5 The current town name of East Linton has its origins in the mid-19th century, with Linton being used prior to that date. The village is likely to have its origins in the medieval period, as demonstrated by the 13th century fabric within Prestonkirk Parish Church, and has been depicted on maps since the 17th century.
- 1.1.6 These known buried remains indicate that the area was attractive for prehistoric settlement and ritual activities along with known early Christian burials. It was considered highly likely that such remains could extend into the area affected by the pipeline development.

1.2 Objectives

1.2.1 The objectives of the project were:

- To conduct an appropriate programme of archaeological investigation (watching brief) during all ground breaking works associated with the insertion of a rising main, including the pipeline and any associated compounds or works areas, and produce a report on its findings.

2. METHODOLOGY

2.1 CFA undertakes all work in accordance with the Institute of Field Archaeologists' Code of Conduct, Standards and Guidelines for Archaeological Watching Briefs.

2.2 The watching brief was carried out during topsoil removal for the insertion of the pipework. The majority of the pipe was inserted by horizontal directional drilling and so did not necessitate topsoil stripping; instead, small test pits were excavated at intervals along its length to check the nature of the subsoil and to facilitate the drilling process. Topsoil stripping also took place along two narrow pipe trenches where ground conditions made drilling unsuitable (Fig. 1). Both elements of the work were monitored by an archaeologist.

2.3 Topsoil stripping was carried out by a mechanical digger equipped with a flat bladed ditching bucket (1m wide) under constant archaeological supervision. Topsoil was removed to reveal the subsoil surface.

2.4 The site compound was located within the existing wastewater treatment works and so did not require any additional ground breaking. No other ground breaking within the wider works area took place outside of that described here.

3. ARCHAEOLOGICAL RESULTS

- 3.1 Thirteen test pits were excavated to examine the nature of the subsoil and to facilitate the insertion of the pipework via drilling. The excavation of these test pits was monitored and they all measured c.1m by 2.5m (Fig. 1 and 4). A full list is provided in Appendix 2.
- 3.2 Two linear trenches were also stripped of topsoil for the insertion of the pipe into a pipe trench where drilling was not feasible. These areas measured 70m long (Trench 2) and 135m long (Trench 1) by 1m wide (Fig. 1, 2 & 5) and are summarised in Appendix 2.
- 3.3 The topsoil was 0.4m deep. Orange-red silty sand natural subsoil was recorded from the SW end of the working area to the trackway in the approximate centre of the site. A stony gravel subsoil was present from this track to the north-east for c.85m before reverting back to the sandy natural.
- 3.4 Plough scores aligned west-east were noted cutting the natural subsoil within Trench 1 (Fig. 3). No archaeological features were discovered during the topsoil stripping.

4. CONCLUSIONS

- 4.1 No archaeological features or deposits were identified during the watching brief.
- 4.2 The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the National Monuments Record of Scotland (NMRS) and copies of reports will be lodged with the East Lothian Sites and Monuments Record.
- 4.3 A summary statement of the results of this watching brief will be submitted for publication in *Discovery and Excavation in Scotland 2008* (Appendix 3).

APPENDIX 1: Photographic Register

Colour Slide Film 1

Shot	Description	From	Conditions
1-2	General view of test pit 1	NE	Rain
3-4	General view of test pit 2	E	Rain
5-6	General view of site	SW	Bright
7-8	General view of test pit 6	SW	

Digital Images

Shot - Jpeg	Description	From	Conditions
1 – 0719	General view of test pit 1	NE	Rain
2 – 0720	General view of test pit 2	E	Rain
3 – 2448	General view of test pit 3	SW	Sun
4 – 2449	General view of test pit 4	SW	Sun
5 – 2454	General view of test pit 5	SW	Sun
6 – 0728	General view of site	SW	Bright
7 – 0729	General view of test pit 6	SW	Bright
8 – 2481	General view of test pit 7	SW	Sun
9 – 2483	General view of test pit 8	SW	Sun
10 – 2485	General view of test pit 9	SW	Sun
11 – 2486	General view of test pit 10	NE	Sun
12 – 2488	General view of test pit 11	SW	Sun
13 – 2490	Shot of plough scores	NW	Sun
14 – 2492	Working shot - trench 1	SW	Sun
15 – 2496	General view of trench 1	NE	Sun
16 – 2513	General view of trench 2	NE	Bright
17 – 2515	General view of test pit 12	NE	Bright
18 – 2517	General view of test pit 13	N	Bright

APPENDIX 2: Summary of the monitored areas

Number	Dimension	Aligned
TP 1	1.5m x 2m x 0.4m	SW – NE
TP 2	1.5m x 2m x 0.4m	SW – NE
TP 3	1m x 3m x 0.4m	SW – NE
TP 4	1m x 2.5 x 0.4m	SW – NE
TP 5	1m x 3m x 0.38m	SW – NE
TP 6	1m x 2.5m x 0.41m	SW – NE
TP7	1m x 2.5m x 0.45m	SW – NE
TP8	1m x 2.5m x 0.4m	SW – NE
TP9	1m x 2.5m x 0.4m	SW – NE
TP10	1m x 2.5m x 0.5m	SW – NE
TP11	1m x 2.5m x 0.3m	SW – NE
TP12	1m x 2.5m x 0.38m	SW – NE
TP13	1m x 3m x 0.4m	NW – SE
Trench 1	1m x 70m x 0.3 – 0.4m	SW – NE
Trench 2	1m x 135m x 0.35 – 0.4m	SW – NE

APPENDIX 3: Discovery and Excavation in Scotland Entry

LOCAL AUTHORITY:	East Lothian
PROJECT TITLE/SITE NAME:	Preston Kirkholm Sewerage Pumping Station, East Linton, East Lothian
PROJECT CODE:	PREK
PARISH:	Prestonkirk
NAME OF CONTRIBUTOR:	Michal Michalski
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Watching Brief
NMRS NO(S):	None
SITE/MONUMENT TYPE(S):	None
SIGNIFICANT FINDS:	None
NGR (2 letters, 6 figures)	NT 5968 7792 to NT 5918 7746
START DATE (this season)	3 rd June 2008
END DATE (this season)	3rd July 2008
PREVIOUS WORK (incl. <i>DES</i> ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	A Watching Brief was carried out by CFA Archaeology Ltd during topsoil stripping operations as part of the construction of a pipeline in East Linton from the East Linton WwTW to the Preston SPS. No archaeological remains were discovered.
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	None
SPONSOR OR FUNDING BODY:	Scottish Water Solutions
ADDRESS OF MAIN CONTRIBUTOR:	Old Engine House, Eskmills Park, Musselburgh, East Lothian, EH21 7PQ
EMAIL ADDRESS:	cfa@cfa-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	Archive to be deposited in NMRS Reports lodged with SMR and NMRS



Fig. 2 - View of Trench 1 from SW



Fig. 3 - Plough scores in Trench 1



Key:	Fig. No:	2-3	Revision:	A	Client:	Scottish Water Solutions	<div><div>CFA ARCHAEOLOGY LTD The Old Engine House Eskmills Park Muskeburgh East Lothian, EH21 7PQ t: 0131 273 4380 f: 0131 273 4381 e: info@cfa-archaeology.co.uk w: www.cfa-archaeology.co.uk</div></div>		
	Title:								
	Project:								
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Fig. 4 - View of Test Pit 5 from SW



Fig. 5 - View of Trench 2 from NE

Key:	Fig. No:	4-5	Revision:	A	Client:	Scottish Water Solutions		 <div>CFA ARCHAEOLOGY LTD The Old Engine House Eskmills Park Musselburgh East Lothian, EH21 7PQ t: 0131 273 4380 f: 0131 273 4381 e: info@cfa-archaeology.co.uk w: www.cfa-archaeology.co.uk</div>		
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