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Wind Turbines at Cockielaw, Haddington, East Lothian

Archaeological Archive Assessment and Monitored Strip

Report No. 2147

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1. INTRODUCTION

1.1 General

This report presents the results of a monitored strip undertaken by CFA Archaeology Ltd (CFA) on the 5th November 2012 at Cockielaw, Haddington, East Lothian (NGR: NT 59290 73300) (Fig. 1). The work was commissioned by Mr Douglas Morrison of Agricultural Management (Haddington) Ltd.

A Written Scheme of Investigation (WSI) dated 18th of October 2012 was produced by CFA and agreed by East Lothian Council Archaeology Service.

1.2 Background

Planning consent (Ref No. 09/01066/P) was granted for the construction of three wind turbines at Cockielaw, Haddington. However, only the two westernmost turbines were built. Due to its location within an archaeologically sensitive area, a condition for an archaeological monitored strip was attached to the consent.

1.3 Objectives

The objectives of the programme of archaeological works are;

- To conduct an appropriate programme of archaeological investigation (monitored strip) to monitor all groundbreaking works, to ensure works are cleared of topsoil and other modern overburden and to identify either undisturbed natural subsoil or archaeological features (which ever comes first)
- To mitigate the effects of construction on any archaeological deposits or features identified through excavation and recording and produce a report on them.

2. WORKING METHODS

2.1 General

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

2.2 Archaeological Archive Assessment

The historic map collection held by the National Libraries of Scotland (NLS) was examined for information on pre-recent land use within the proposed development area. The maps examined included the Ordnance Survey 6" and 25" map editions, together with other readily available cartographic information.

The National Monuments Record of Scotland (NMRS) and the 'Pastmap' (<http://jura.rcahms.gov.uk/PASTMAP/Map>) website were consulted to obtain information on known archaeological sites within the proposed development area.

2.3 Monitored Strip

Two turbine bases (Area 1 and Area 2) (Fig. 2) were stripped of topsoil and checked for archaeological features.

A cable trench was excavated linking Areas 1 and 2 to the substation. This was stripped of topsoil and checked for archaeological features.

Topsoil and modern overburden was removed by a mechanical excavator equipped with a smooth-bladed bucket. All groundbreaking work was carried out under constant archaeological supervision. All further excavation required to fulfil the objectives of the WSI was carried out by hand.

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

3. ARCHAEOLOGICAL RESULTS

3.1 Archive Assessment

NMRS Sites

The closest recorded NMRS sites to the site are a group of three enclosures (MEL 2027, MEL 2073 and MEL 2074). These are located approximately 200m to the west of the site and within close proximity to the enclosures is a fort (MEL 1083). Located to the south-east of the site exist a number of buildings associated with Wittinghame House, these include the farm house (MEL 1061) and the tower (MEL 6892).

Cartographic Sources

The site is not depicted in detail on any map preceding the Ordnance Survey maps of the mid 19th century. Throughout both the first and the second editions of the Ordnance Survey the site is depicted as an open field.

3.2 Monitored Strip

The monitored strip observed the excavation of the footings for the two wind turbines and the associated cable trench (Fig. 2).

Area A (Figs. 2 & 3)

Area A was the most northern of the two footings. It was aligned NNE-SSW and measured 4.5m long and 4.2m wide. The topsoil was 0.3m thick and overlay the natural clay subsoil. No archaeological deposits or artefacts were recovered in this area.

Area B (Figs. 2 & 4)

Area B was aligned NE-SW and measured 5m long and 4.5m wide. It was located in the SW corner of an area that had previously undergone ground reduction. This had reduced the ground by about 1m so topsoil remained and no archaeological deposits or artefacts were recovered in this area.

Cable Trench (Figs. 2, 5 & 6)

Two 0.6m wide cable trenches were excavated down to the natural subsoil which varied in depth between 0.3-0.4m.

The trench from Area B was aligned NW-SE and had an observed length of 197m. It ran from the turbine footing to the farm buildings located to the north. The excavation was observed until it reached the point where the ground had been reduced and levelled for the new farm buildings.

From Area A the cable ran west and connected with the trench from Area B and it measured c.39m long. No archaeological deposits or artefacts were found in the cable trenches.

4. CONCLUSION

The monitored strip fulfilled the requirement for archaeological monitoring within the WSI. No archaeological features or artefacts were found during the excavation for the footings of the wind turbine or the cable trench.

A summary statement of the results of this evaluation will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 2).

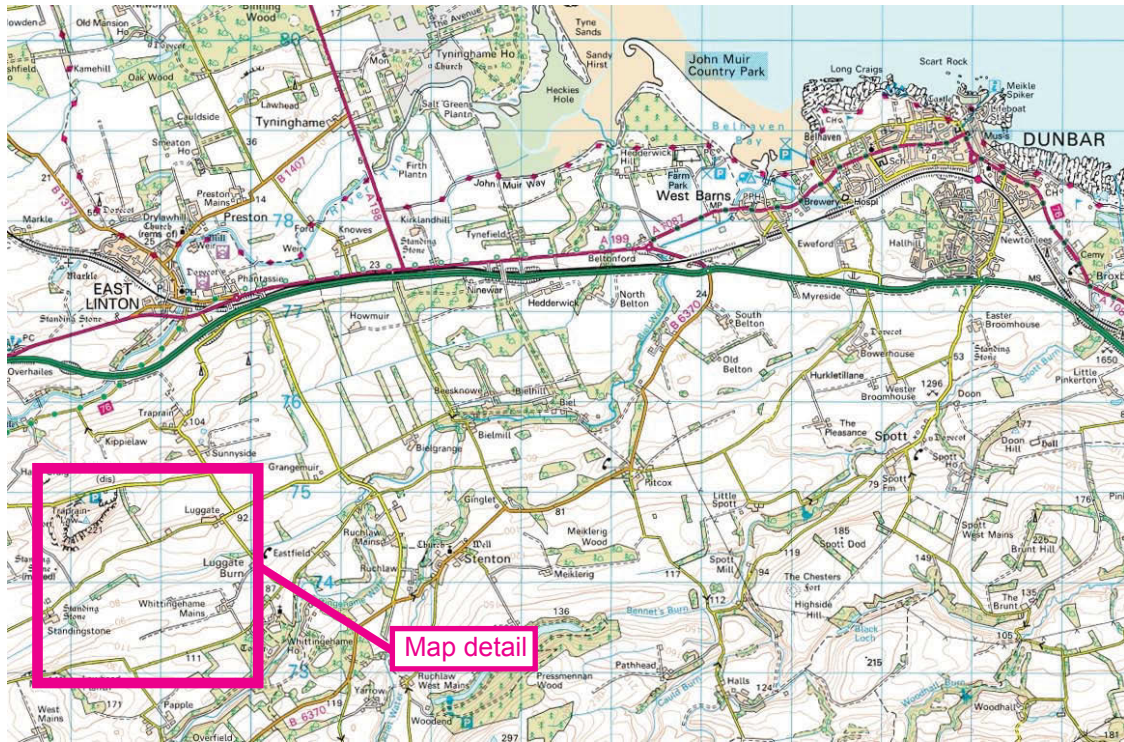
The project archive, comprising all CFA record sheets, maps and reports, will be deposited with RCAHMS and copies of reports will be lodged with the East Lothian Council Sites and Monuments Record.

APPENDIX 1: Photographic Register

No.	Description	From	Conditions
1	Area A	SW	Sun
2	Area A	SW	Sun
3	Cable trench running west from Area A	E	Sun
4	Cable Trench running NNW towards farm buildings	SSE	Sun
5	Trench Section	E	Sun
6	Cable trench running SSE	NNW	Sun
7	Cable Trench running through the bund to Area B	W	Sun
8	Area B facing SW	NE	Sun
9	Area B facing east	W	Sun

APPENDIX 2: Discovery and Excavation in Scotland Entry

LOCAL AUTHORITY:	East Lothian Council
PROJECT TITLE/SITE NAME:	Farm Shed, Cockielaw, Haddington, East Lothian,
PROJECT CODE:	CLAW
PARISH:	Haddington
NAME OF CONTRIBUTOR:	James Lewis
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Archaeological Monitored Strip
NMRS NO(S):	N/A
SITE/MONUMENT TYPE(S):	N/A
SIGNIFICANT FINDS:	N/A
NGR (2 letters, 10 figures)	NT 59290 73300
START DATE (this season)	5 th November 2012
END DATE (this season)	5 th November 2012
PREVIOUS WORK (incl. DES ref.)	N/A
MAIN DESCRIPTION: (NARRATIVE) (May include information from other fields)	The Archaeological Monitored Strip observed the ground reduction for the footings of two wind turbines and the associated cable trenches. No archaeological deposits or artefacts were recovered during the watching brief.
PROPOSED FUTURE WORK:	N/A
CAPTION(S) FOR ILLUSTRS:	N/A
SPONSOR OR FUNDING BODY:	Agricultural Management (Haddington) 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)	Royal Commission on the Ancient and Historic Monuments of Scotland East Lothian Council Sites and Monuments Record



Map detail

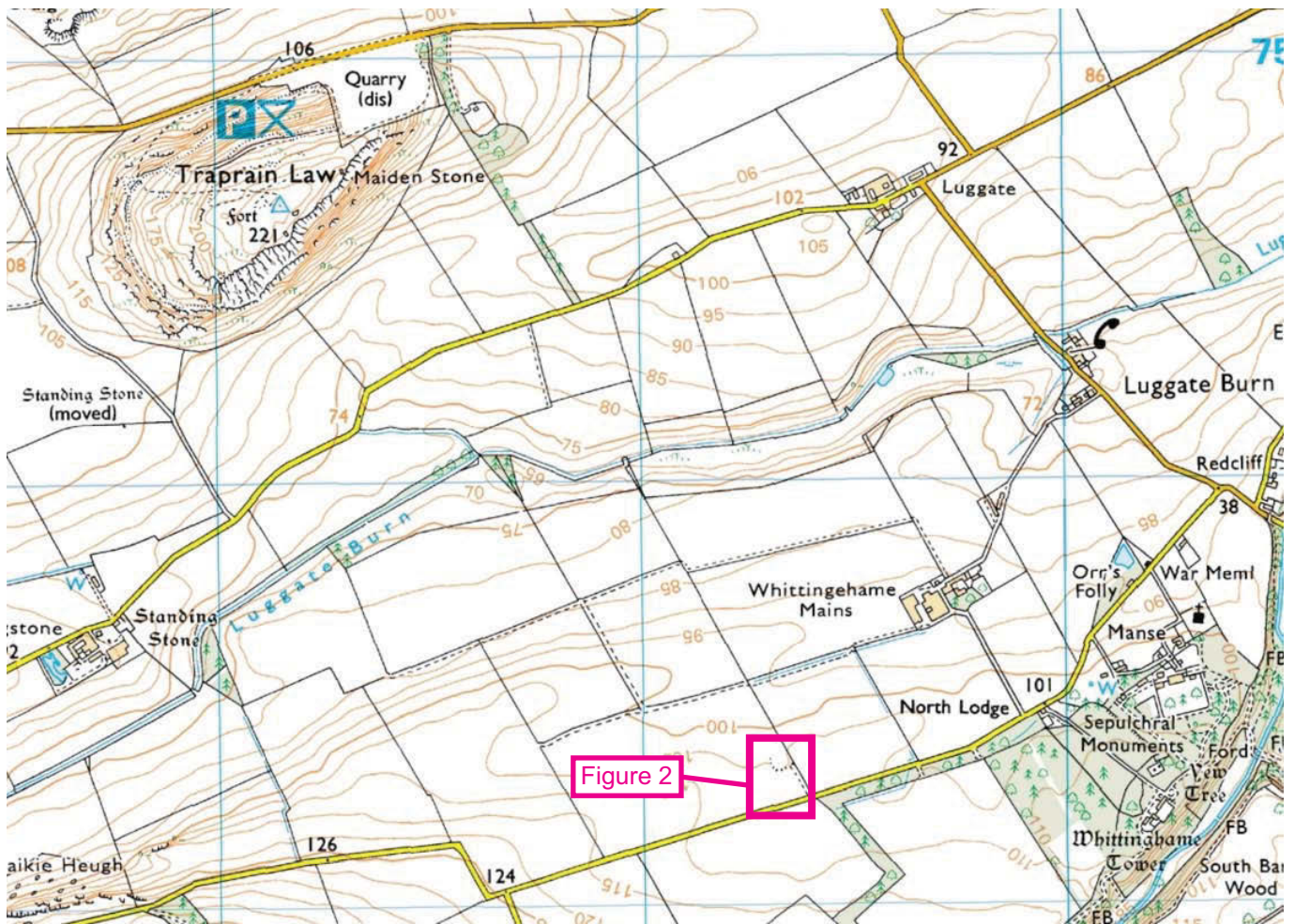


Figure 2

Key:



Fig. No: 1 Revision: A Client: Agricultural Management (Haddington) Ltd.

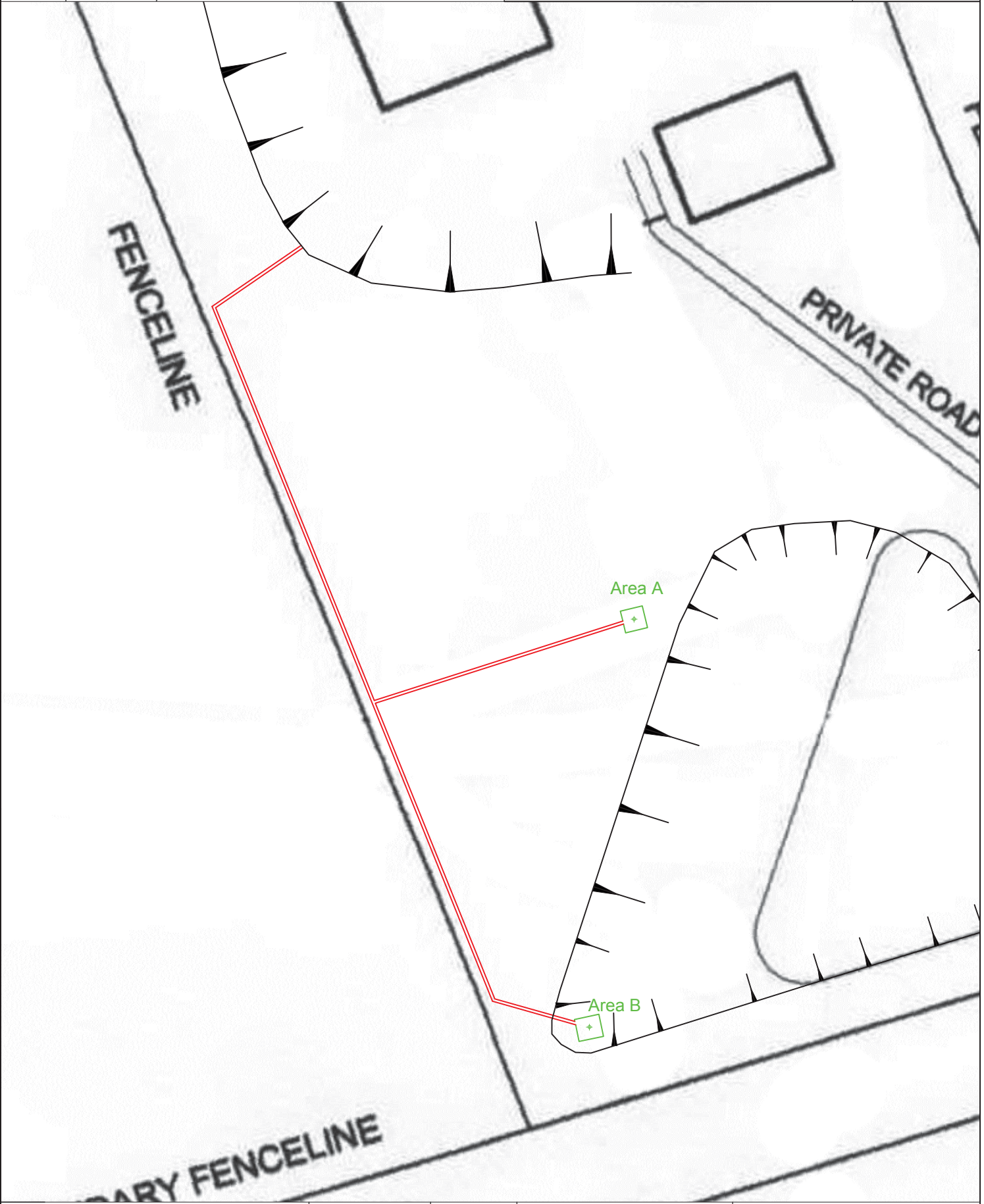
Title: Site location

Project: Erection of wind turbines at farms sheds, Cockielaw, Haddington, East Lothian

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Scale at A4:

Drawn by: GC Checked: LW Report No: 2147



Key:

- Turbine bases
- Cable trench



Scale at A4: 1:1000

Fig No: 2	Revision: 0	Client: Agricultural Management (Haddington) Ltd
Title: Location of wind turbines and cable trench		
Project: Erection of wind turbines at farm sheds, Cockielaw, Haddington, East Lothian		



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Fig. 3: Area A looking east



Fig. 4: Area B looking east

Fig. No: 3-4		Revision: A	Project: Erection of wind turbines at farms sheds, Cockielaw, Haddington, East Lothian
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Fig. 5: Cable trench section



Fig. 6: Cable trench section looking north north west

Fig. No: 5-6		Revision: A	Project: Erection of wind turbines at farms sheds, Cockielaw, Haddington, East Lothian
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