

CFA Archaeology Ltd

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Advice on Archaeology & Planning

Environmental Impact Assessment

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Finds/ Environmental Analysis

Field Evaluation & Excavation

Historic Building Recording

Site & Landscape Survey

Geophysical Survey

Brockholes Wind Cluster Grid Connection Grantshouse, Scottish Borders

Archaeological Evaluation

Report No. 2025

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Commissioned by	Green Cat Renewables Ltd
Date issued	March 2012
Version	0
OASIS Reference	cfaarcha1-117943
Planning Ref No.	09/00516/FUL
Grid Ref	NT 86494 61206 to NT 83190 62174

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 evaluation undertaken by CFA Archaeology Ltd (CFA) on the 22 February 2012 along the grid connection for Brockholes Wind Cluster (NGR: NT 86494 61206 to NT 83190 62174, Figs. 1-2). The work was commissioned by Green Cat Renewables Ltd.

The grid connection is covered by a Form B application. A Written Scheme of Investigation (WSI) dated 06 February 2012 was produced by CFA on behalf of Green Cat Renewables. This was designed to fulfil the requirements of the Scottish Borders Council Archaeology Service (SBCAS) and was based on discussions with Dr Chris Bowles, the Scottish Borders Council Archaeology Officer.

1.2 Background

Planning permission has been granted for the construction of wind turbines at Brockholes, to the south of Grantshouse, Scottish Borders and for a grid connection linking it to the existing infrastructure at Auchencrow, 3km to the south-east.

Due to the proximity of known archaeological sites to this grid connection, SBCAS required that the locations of Poles 3-4, 16-17 and 21-27 be evaluated prior to construction.

Known sites in the vicinity include linear features at Coldlands (NMRS: NT86SW 47, SMR: 1060163), further linear features at Blue House (NMRS: NT86SW 49, SMR: 1060194) and a number of sites on and around the summit of Horseley Hill. These include a Scheduled hillfort (NMRS: NT86 SW 8, SMR: 1060028), pit alignments (NMRS: NT86SW 19, 21) and a structure (SMR: 1060088).

1.3 Objectives

The objectives of the programme of archaeological works were:

- To establish the presence/absence, extent, condition, character, quality and date of any archaeological features or deposits within the proposed development area through the evaluation of pole locations;
- To establish the vulnerability of any archaeological features to the proposed development;
- To propose mitigation measures.

2. WORKING METHODS

2.1 General

CFA Archaeology Ltd follows the Institute for Archaeologists' Code of Conduct, Standards and Guidance for Archaeological Fieldwork. Recording of all elements followed established CFA methods, as detailed in the approved WSI.

2.2 Archaeological Evaluation

The locations of the poles were marked with wooden posts. An area measuring around 1m by 1.5m was excavated to natural subsoil, centred on each pole location.

Excavation was undertaken using a mechanical excavator with a flat-bladed bucket under constant archaeological supervision.

All discoveries, including soil profiles and subsoil characteristics, were recorded using standard CFA recording forms and digital photography.

3. ARCHAEOLOGICAL RESULTS

Numbers in bold in the following text refer to contexts, a full list of which is contained in Appendix 1.

The majority of the pole locations (Poles 4, 16, 22-25 and 27 were located within cultivated land and at these locations topsoil overlay natural subsoil. The other poles were located within or adjacent to existing field boundaries, and here deeper soils were recorded. Pole 21 was located within a field bank formed from re-deposited natural subsoil. A selection of photographs showing the pole locations and the deposits encountered are included as Figs. 3-6.

There were no features or deposits of archaeological significance identified and no artefacts were recovered.

4. CONCLUSIONS

An evaluation of pole locations along the grid connection for the Brockholes Wind Cluster, Grantshouse, Scottish Borders was undertaken.

No further work is recommended in advance of or during construction. However, the final decision on this lies with the Scottish Borders Council Archaeology Officer.

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the National Monuments Record of Scotland (NMRS). A report will be lodged with the Scottish Borders Council Archaeology Service.

A summary statement of the results of this watching brief will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 3) and an online OASIS form will be completed.

APPENDIX 1: Trench Register

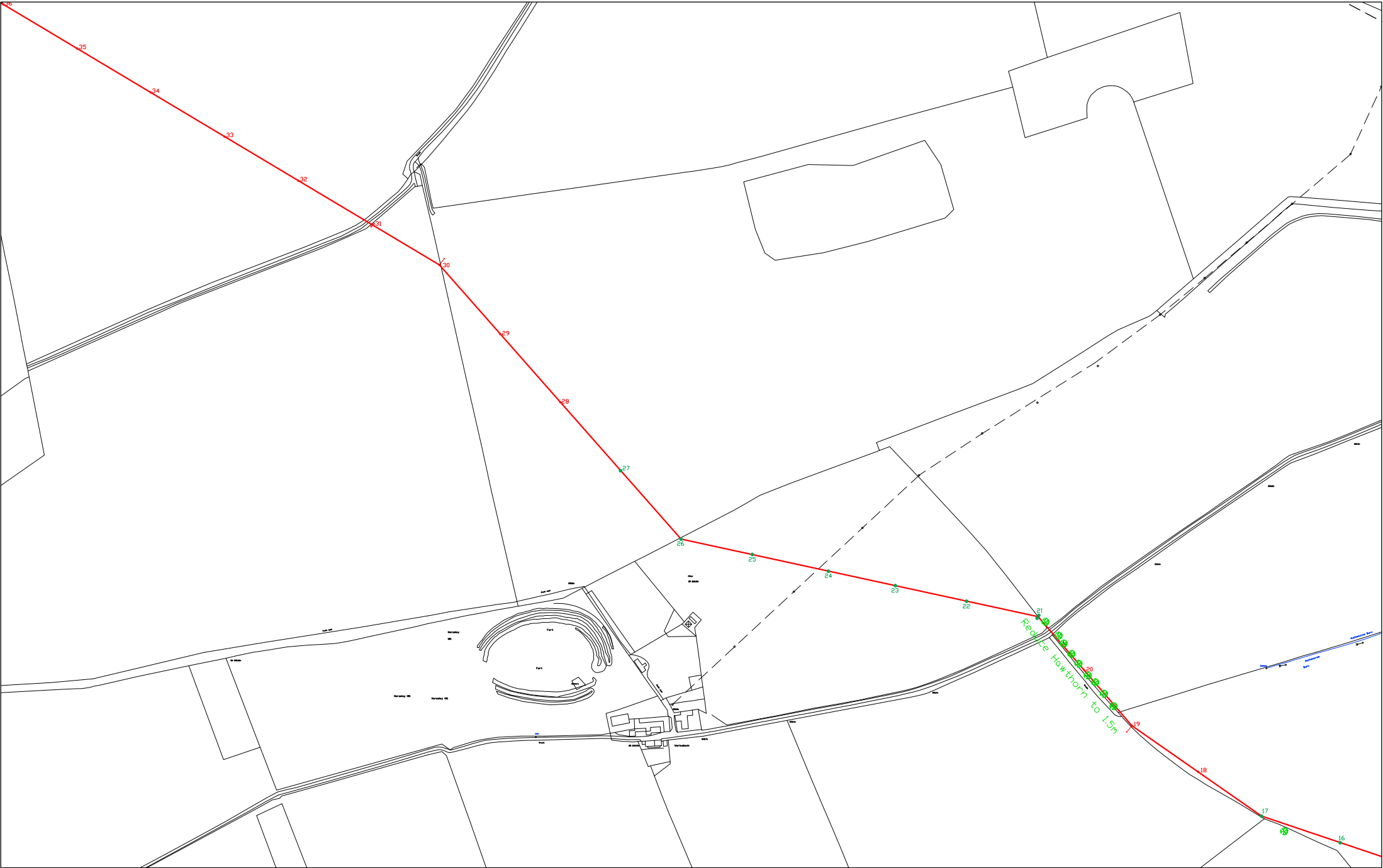
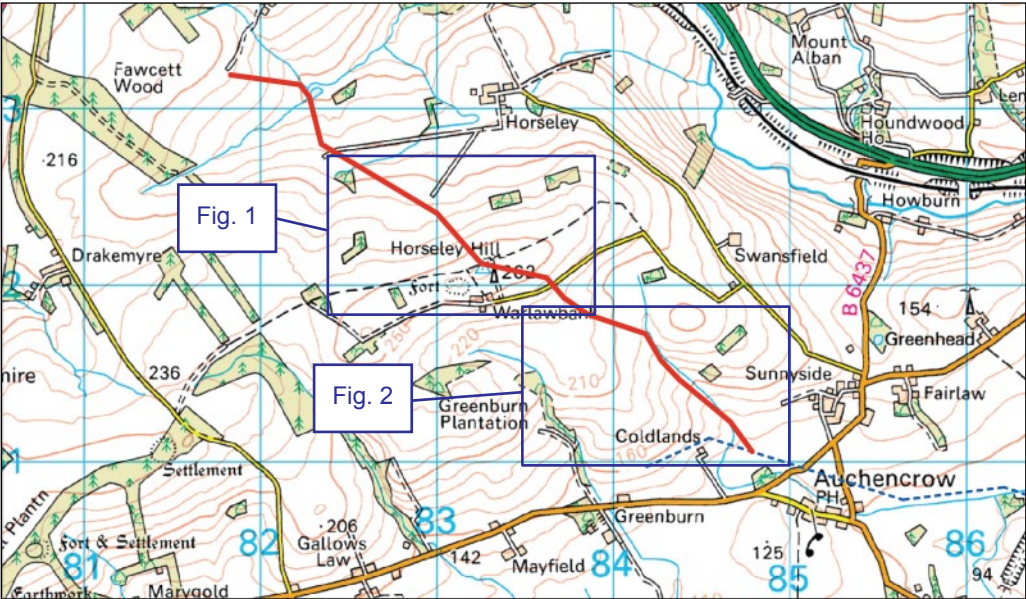
Pole Number	Location	Description
3	NT 86494 61206	Mid-brown topsoil with occasional stones 0.8m over natural orange-yellow clay-silt
4	NT 86426 61257	Mid-brown topsoil with occasional stones 0.4m over natural orange fine sandy silt. Stone-filled field drain.
16	NT 83957 61802	Mid-brown topsoil with occasional stones 0.3m over natural orange-pink silt with small stones.
17	NT 83873 61826	Mid-brown topsoil 0.45m-0.65m over natural pink silt with small stones.
21	NT 83641 62034	Mid-brown topsoil 0.2m over 0.4m of brownish-pink redeposited sandy silt over natural pink silt with small stones
22	NT 83566 62048	Mid-brown topsoil with occasional stones 0.3m over 0.05m of (?plough) disturbed subsoil over natural stony orange-pink silt.
23	NT 83490 62064	Mid-brown topsoil with occasional stones 0.3m over 0.05m of (?plough) disturbed subsoil over natural stony orange-pink silt.
24	NT 83421 62074	Mid-brown topsoil with occasional stones 0.3m over 0.05m of (?plough) disturbed subsoil over natural stony orange-pink silt.
25	NT 83340 62093	Mid-brown topsoil with occasional stones 0.3m over natural stony subsoil with a matrix of orange-pink silt.
26	NT 32065 62114	Mid-brown topsoil with occasional stones 0.3m over 0.3m of gravelly grey-black soil over orange-pink gritty silt with small stones.
27	NT 83190 62174	Mid-brown topsoil with occasional stones 0.3m over natural orange-pink silt with small stones.

APPENDIX 2: Photographic Register

Number	Description	From	Conditions
11-12	Pole 3, close-up of trench and soil horizons	NW	Overcast
13	Pole 3, general view of location	NE	Overcast
14	Pole 4, general view of location	SE	Overcast
15	Pole 4, close-up of trench and soil horizons	SW	Overcast
16	Pole 16, general view of location	NW	Overcast
17-18	Pole 16, close-up of trench and soil horizons	NW, E	Overcast
19	Pole 17, general view of location	SE	Overcast
20-21	Pole 17, close-up of trench and soil horizons	E, SE	Overcast
22	Pole 21, general view of location	SE	Overcast
23-24	Pole 21, close-up of trench and soil horizons	NE, SE	Overcast
25	View south-east from Pole 23	NW	Overcast
26	View north-west from Pole 23	SE	Overcast
27	Pole 26, general view of location	NE	Overcast
28-29	Pole 26, close-up of trench and soil horizons	SW	Overcast
30	Pole 27, general view of location	SE	Overcast
31	Pole 27, close-up of trench and soil horizons	E	Overcast
32	Pole 22, close-up of trench and soil horizons	SW	Overcast
33	Pole 23, close-up of trench and soil horizons	SW	Overcast
34	Pole 24, close-up of trench and soil horizons	SW	Overcast
35-36	Pole 25, close-up of trench and soil horizons	SW	Overcast

APPENDIX 3: Discovery and Excavation in Scotland Entry

LOCAL AUTHORITY:	Scottish Borders
PROJECT TITLE/SITE NAME:	Brockholes Wind Cluster Grid Connection, Grantshouse, Scottish Borders
PROJECT CODE:	BROW
PARISH:	Coldingham
NAME OF CONTRIBUTOR:	Ian Suddaby
NAME OF ORGANISATION:	CFA Archaeology Ltd
TYPE(S) OF PROJECT:	Evaluation
NMRS NO(S):	-
SITE/MONUMENT TYPE(S):	-
SIGNIFICANT FINDS:	-
NGR (2 letters, 10 figures)	NT 86494 61206 to NT 83190 62174
START DATE (this season)	February 2012
END DATE (this season)	February 2012
PREVIOUS WORK (incl. DES ref.)	N/A
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	The locations of eleven electricity cable poles on the Brockholes Wind Cluster Grid Connector were evaluated by machine prior to construction work. No features of archaeological significance were located.
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	N/A
SPONSOR OR FUNDING BODY:	Green Cat Renewables 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)	National Monuments Record of Scotland (archive) Scottish Borders Council Archaeology Service (report)



- Key:
- line connection with new pole
 - line connection with new pole subject to watching brief

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Fig. No:	1	Revision:	A
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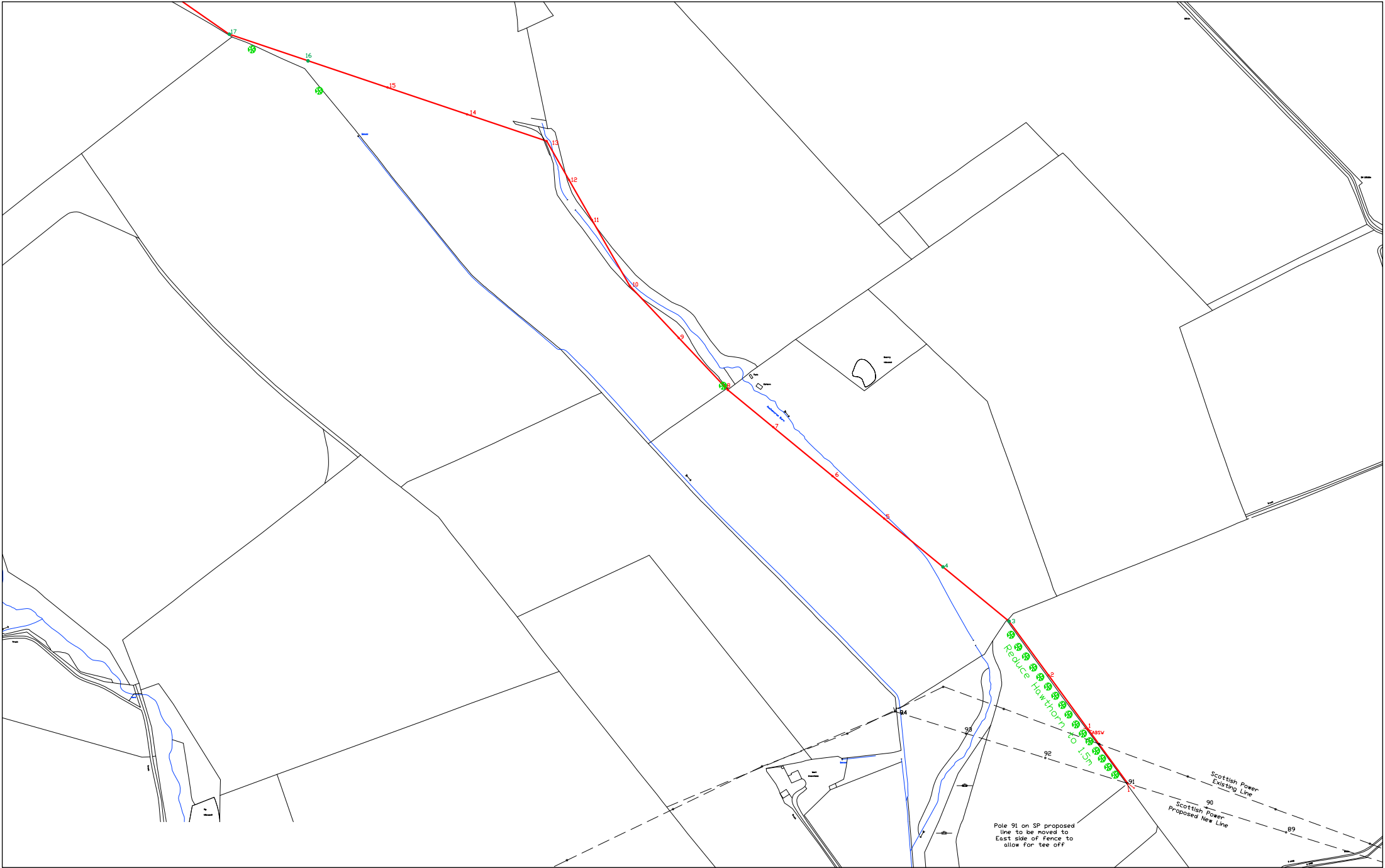
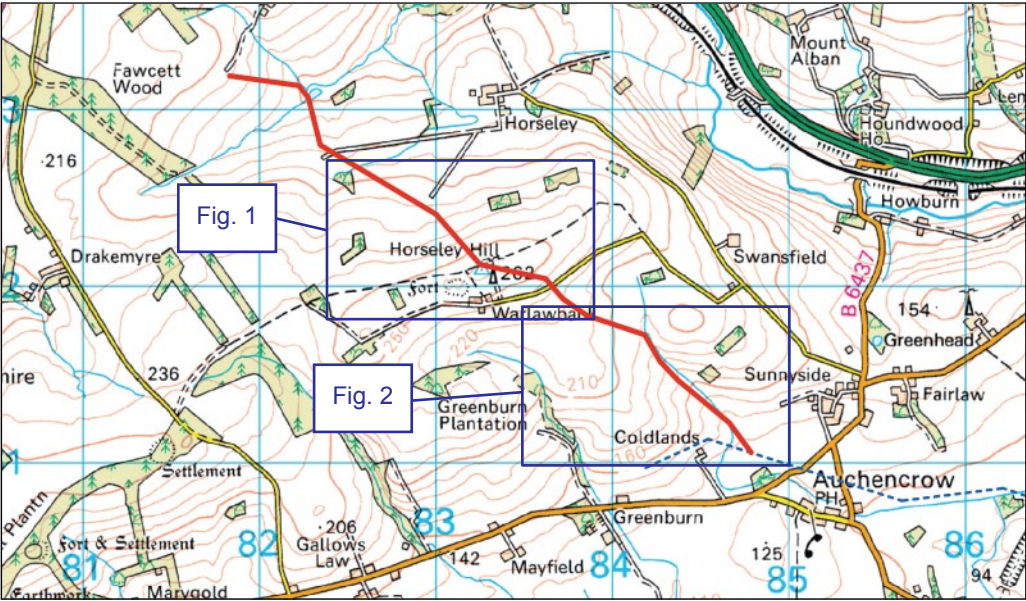
Title:
Site location and northern part of the grid connector

Project:
Brockholes Wind Cluster Grid Connection

Scale at A3:
1:5000



Client:
Green Cat Renewables Ltd



- Key:
- line connection with new pole
 - line connection with new pole subject to watching brief

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Fig. No:	2	Revision:	A
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Title:
Site location and southern part of the grid connector

Project:
Brockholes Wind Cluster Grid Connection

Scale at A3:
1:5000

Client:
Green Cat Renewables Ltd



Fig. 3 The trench at the location of Pole 16



Fig. 4 The trench at the location of Pole 17 showing no deposits relating to the field boundary


Key:	Fig. No:	3-4	Revision:	A	Client:	Green Cat Renewables Ltd			 <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>				
	Title:												
	Project:												
Scale:	Brockholes Wind Cluster Grid Connection							Drawn by:	GC	Checked:	LW	Report No:	2025



Fig. 5 The trench at the location of Pole 21 showing the brownish-pink deposits in the field bank



Fig. 6 The trench at the location of Pole 24 showing the stony natural subsoil

Key:

Scale:

Fig. No:	5-6	Revision:	A	Client:	Green Cat Renewables Ltd
Title:					
Project:					
Brockholes Wind Cluster Grid Connection					



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