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## Windfarm at Pogie, East Lothian

Archaeological Monitored Strip – Phase 1  
Report No. 3651

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

### **Windfarm at Pogbie East Lothian Archaeological Monitored Strip Phase 1**

**Report No. 3651**

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Fig. 8 Substation

Fig. 9 Access Track Bellmouth

# **1 INTRODUCTION**

## **1.1 General**

This report presents the results of an archaeological monitored strip undertaken by CFA Archaeology Ltd (CFA) between February and April 2018 during ground-works for the construction of a 6-turbine wind farm on land at Pogbie, near Humbie, East Lothian (NGR: NT 47595 58927 centred) (Fig. 1) The work was commissioned by Green Cat Contracting Ltd (Green Cat).

A Written Scheme of Investigation (WSI) dated 30 September 2016 was produced by CFA for this programme of works. The WSI was designed to meet the requirements of East Lothian Council Archaeology Service (ELCAS).

## **1.2 Background**

Planning permission (Ref. No. 08/00823/FUL) has been granted for the construction of 6 wind turbines, the upgrading of existing tracks, the construction of new site tracks, onsite borrow pits, a temporary construction compound, an anemometry mast, an onsite electrical control building, turbine transformers and underground cables at Pogbie Farm, Humbie, East Lothian. The planning permission was subject to an archaeological condition requiring a monitored soil strip on all groundbreaking works for the construction of the turbine bases, compound and storage areas, connecting access tracks (apart from those sections of access track that ran through afforested areas) and all other infrastructure features.

The development area lies to the east of the A68 Trunk Road (A68) at an altitude of c.320 to 355m aOD. It consists of upland rolling semi-improved ground containing a number of forestry plantations and shelterbelts. The woodland within the development area had been felled prior to the commencement of works.

Pogbie windfarm lies within close proximity to one of the few major routes through southern Scotland. This route appears to have been one of some antiquity, with the Roman road of Dere Street lying c.2km to the west. Lying much closer to the site is a road known as 'King's Road' (Site No. NT45NE 57), which roughly follows the line of the current A68. This road is reputed to be a medieval road associated with King Malcolm IV, but does not appear on any maps predating Armstrong's 1771 map, suggesting that it is more likely to date to the 18<sup>th</sup> century. The general area does appear to have been well utilised during the medieval period with a medieval hospital being established at Soutra Aisle (c.2km to SW), but the road serving this is considered most likely to have followed the line of Dere Street.

An archaeological desk-based-assessment and walkover survey undertaken for the Environmental Report (Pogbie Wind Farm Environmental Report Section 6 - Archaeological Studies) identified twelve sites within the proposed development area, but all of these were thought to relate to post-medieval agricultural activity. Two areas of cropmarks (Site No NT45NE 41 and NT45NE 42) located within close proximity to the borrow pit were also thought to be modern/geological in date.



An initial programme of works consisting of the excavation of a short length of access track (including the bellmouth entrance exiting off the A68) was undertaken in November and December 2017 on behalf of VG Consulting. The main programme of works was then undertaken in February 2018 on behalf of Green Cat.

Phase 2 of this development will consist of a six turbine extension to the wind-farm. Further archaeological monitoring will be required for the extension and the results will be produced under separate cover.

### **1.3 Objectives**

The aims and objectives of the archaeological work were:

- To conduct an appropriate programme of archaeological investigation (monitored strip) to monitor all groundbreaking works apart from the access road lines within forestry, all other infrastructure that lies within afforested areas will be monitored.
- 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 Chartered Institute for Archaeologists' Code of Conduct, Standards and Guidance as necessary.

### **2.2 Watching Brief**

The areas monitored included turbine bases, crane pads, compound areas, storage areas and access tracks. All groundbreaking works were carried out using a smooth-bladed ditching bucket under archaeological supervision.

Turbine bases were 15m in diameter, with the crane pads being approx 30m x 30m. The access track was stripped in sections, with each section being infilled with stone prior to the stripping of the next section. Much of the access track was floated and consequently only 230m out of a total of 857m required monitoring.

All excavation and on-site recording was carried out according to standard CFA procedures, principally by drawing, by photography and by completing standard CFA record forms. The positions of archaeological features were recorded using industry standard survey equipment.

### 3. ARCHAEOLOGICAL RESULTS

Context numbers are in bold and are described in Appendix 2.

#### 3.1 Initial Programme of Works (November-December 2017)

The initial programme of works consisted of the excavation of the bellmouth entrance off the A68 and the start of the access track up to where it first bent through 90° to head towards the substation (Fig. 1 and 9). The deposits immediately off the A68 consisted of 0.3m of peaty silt topsoil (**001**) overlying mid-brown sandy clay natural (**003**). Deeper deposits consisting of 0.3-0.4m of topsoil overlying either 0.1-0.4m of grey silty-clay subsoil (**004**) or 0.8-1m of peat (**002**) were encountered where the track sloped down towards a water channel. These deeper deposits overlay natural purple boulder clay (**003**).

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

#### 3.2 Main Programme of Works (February 2018)

The main programme of work covered Turbine Bases 1-6 (including crane pads), the remainder of the access track (excluding the parts where the track was floated) and the substation (Fig. 2-8). The deposits throughout this area predominantly consisted of 0.1-0.5m of peaty-silt topsoil (**001**) overlying yellowish-red sandy-clay natural (**003**).

Subsoil deposits (**004**) with a depth of up to 0.15m were also identified in a number of locations. These deposits consisted of firm brownish-grey silt. Towards the base of the hill much deeper peat deposits (**002**) with depths of up to 3m were identified during groundworks for the access track.

A number of modern trial trenches and drainage features were identified, but there were no features, deposits or artefacts of archaeological significance.

### 4. CONCLUSIONS

An archaeological monitored strip was carried out during groundworks for a six turbine wind farm at Pogbie Farm, near Humbie. The monitored strip identified a number of modern trial trenches and drainage features, but there were no features, deposits or artefacts of archaeological significance identified.

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

A summary statement will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 3) and will also be reported on through *OASIS Scotland*.

## APPENDIX 1: Photographic Register

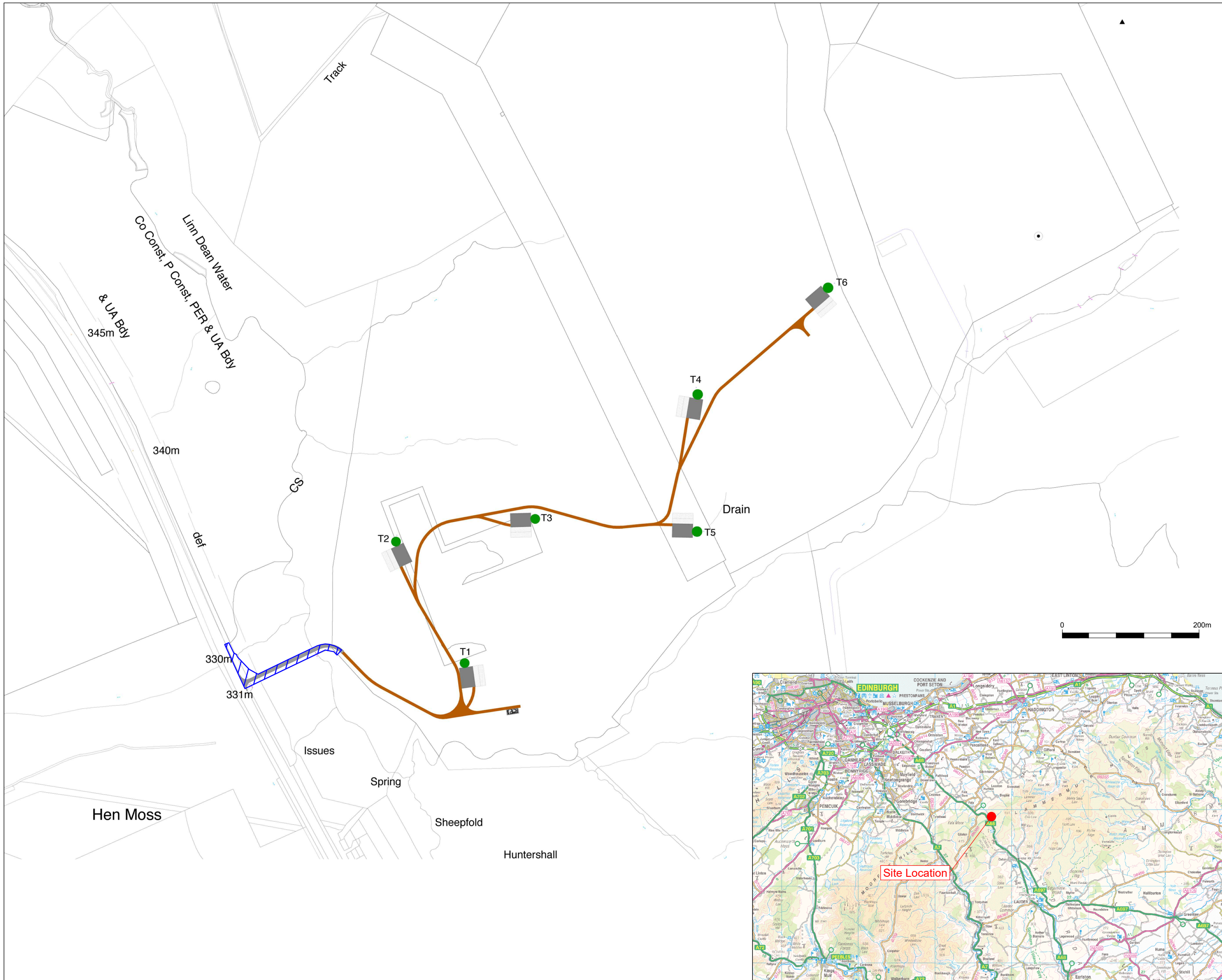
Shot No.	Summary description of subject	Facing
001	Post-ex shot of Substation Strip	E
002	Pre-ex shot of Phase 1 Crane Pad 1	S
003	Post ex shot of Phase 1 lay down area	NE
004	Trial trench 006	N
005	Post ex shot of Phase 1 Crane pad 1	NE
006	Pre ex of Borrow Pit	W
007	Post ex of Phase 1 Turbine Base 1	N
008	Post ex of Phase 1 Turbine Base 1	N
009	Borrow Pit area obscure	W
010	[008]	N
011	[010]	S
012	Post ex of Phase 1 Crane Pad 2	NE
013	Post ex of Phase 1 Turbine Base 2	S
014	Post ex of Phase 1 Crane Pad 3	S
015	Post ex of Phase 1 Turbine Base 3	SE
016	Post ex of Phase 1 Crane Pad 5	S
017	Post ex of Phase 1 Turbine Base 5	SW
018	Post ex of Phase 1 Crane Pad 4	SE
019	Post ex of Phase 1 Crane Pad 6	SE
020	Post ex of Phase 1 Turbine Base 4	SW
021	Post ex of Phase 1 Turbine Base 6	E
022	Working shot, bellmouth	W
023	Pre-ex view	SW
024	Pre-ex view	SW
025	Working shot	SW
026	Working shot	SW
027	Pre-ex of stream bed	SE
028	Working shot, detail of natural	S
029	Working shot	S
030	Working shot	SW
031	Working shot	SW

## APPENDIX 2: Context Register

Context no.	Fill of	Type	Description
001		Deposit	Topsoil
002		Deposit	Peat
003		Deposit	Natural- varying from yellowish red silty clay to purple boulder clay
004		Deposit	Brownish grey silt subsoil
005	006	Fill	Backfill of test trench
006		cut	Cut of trial trench
007	008	fill	Fill of drainage ditch
008		cut	Cut of drainage ditch
009	010	fill	Fill of trial trench
010		cut	Cut of trial trench

### APPENDIX 3: Discovery and Excavation in Scotland Entry

<b>LOCAL AUTHORITY:</b>	East Lothian Council
<b>PROJECT TITLE/SITE NAME:</b>	Windfarm at Pogbie, East Lothian: Archaeological Monitored Strip Phase 1
<b>PROJECT CODE:</b>	POGI
<b>PARISH:</b>	Humbie
<b>NAME OF CONTRIBUTOR:</b>	Bethan Gray
<b>NAME OF ORGANISATION:</b>	CFA Archaeology Ltd
<b>TYPE(S) OF PROJECT:</b>	Watching Brief
<b>NMRS NO(S):</b>	N/A
<b>SITE/MONUMENT TYPE(S):</b>	N/A
<b>SIGNIFICANT FINDS:</b>	N/A
<b>NGR (2 letters, 8 figures)</b>	NT 47595 58927
<b>START DATE (this season)</b>	September 2017
<b>END DATE (this season)</b>	February 2018
<b>PREVIOUS WORK (incl. <i>DES</i> ref.)</b>	None
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	An archaeological monitored strip was carried out during groundworks for a six turbine wind farm at Pogbie Farm, near Humbie, East Lothian. A previous desk-based-assessment and walkover survey undertaken for the Environmental Report identified twelve post-medieval agricultural features within the application boundary. The monitored strip identified a number of modern trial trenches and drainage features, but there were no features, deposits or artefacts of archaeological significance identified.
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	None
<b>SPONSOR OR FUNDING BODY:</b>	Green Cat Contracting Ltd
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	CFA Archaeology Ltd, Old Engine House, Eskmills Park, Musselburgh, EH21 7PQ.
<b>EMAIL ADDRESS:</b>	<a href="mailto:cfa@cfa-archaeology.co.uk">cfa@cfa-archaeology.co.uk</a>
<b>ARCHIVE LOCATION (intended/deposited)</b>	Archive to be deposited with NRHE, Reports lodged with SMR.



- Key:**
- Turbine Foundation
  - Crane Hardstanding
  - New Access Track
  - Existing Track
  - Substation
  - Initial Program of Work (VG Consulting)



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**Title:**  
 Site Plan of Pogbie Wind Farm Phase 1

**Project:**  
 Windfarm at Pogbie, East Lothian Archaeological Monitored Strip. Phase 1

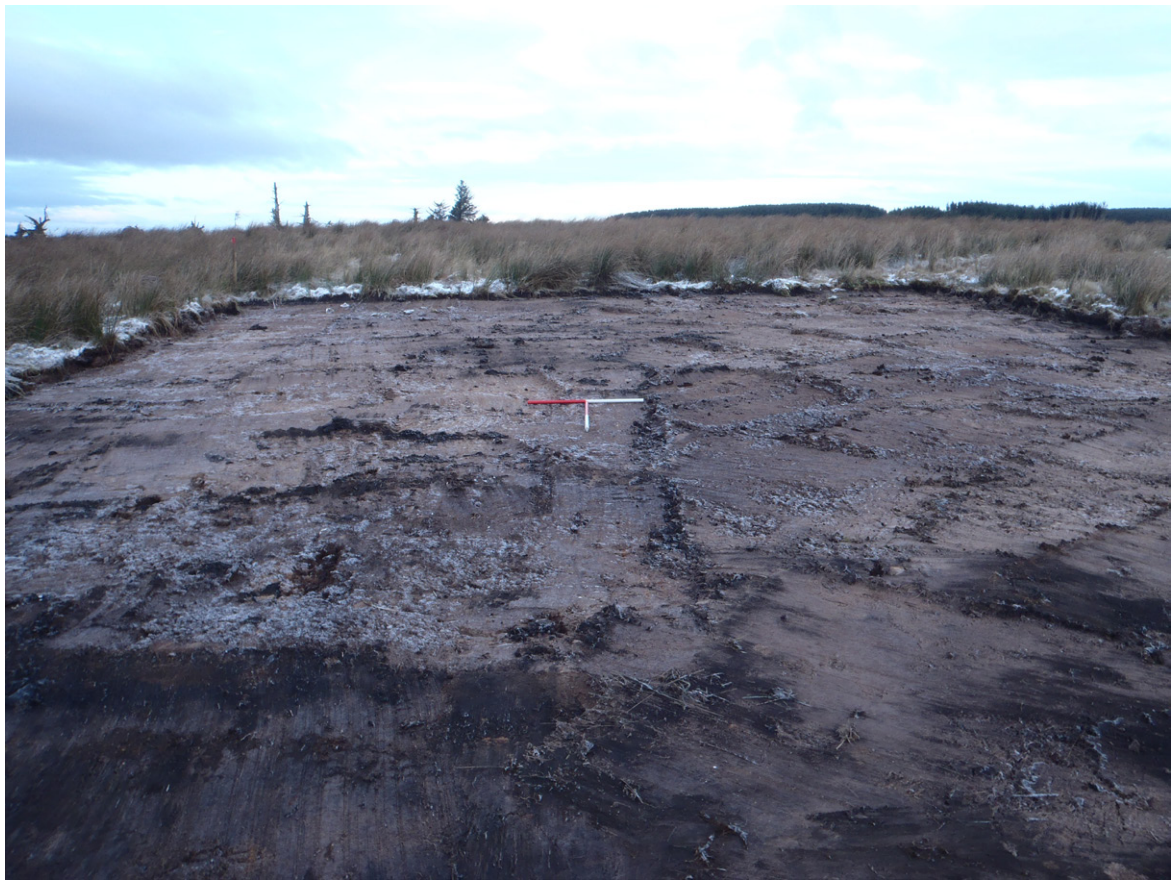
**Client:**  
 Green Cat Contracting Ltd

**Scale at A3:**  
 1:5000

<b>Drawn by:</b> MP	<b>Checked:</b> SW	<b>Date:</b> 04/09/2018
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<b>Report No.:</b> 3651	<b>Fig. No.:</b> 1
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Title:  
Crane Pad 1 and Turbine Base 1

Client:  
Green Cat Contracting Ltd

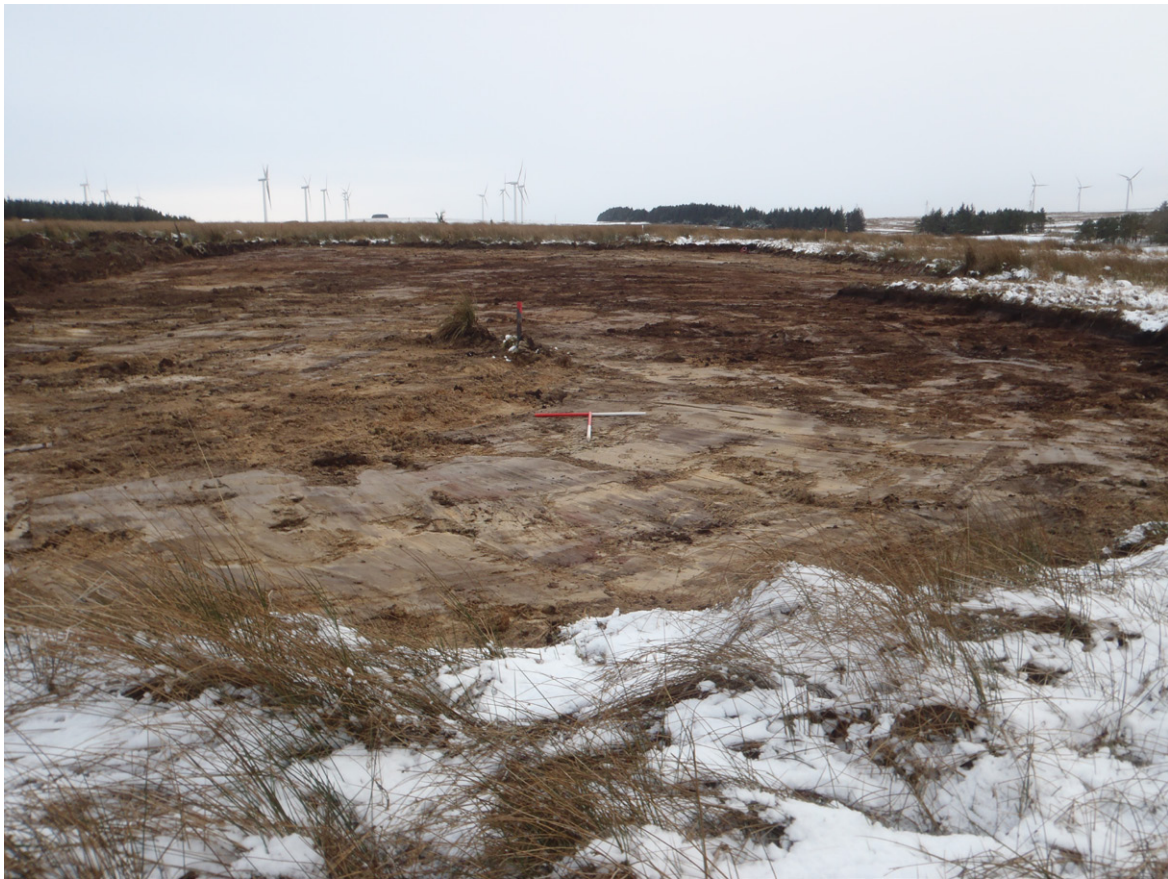


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CS	SW	18/04/18	3651	2





Title:  
Crane Pad 2 and Turbine Base 2

Client:  
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Title:  
Crane Pad 3 and Turbine Base 3

Client:  
Green Cat Contracting Ltd

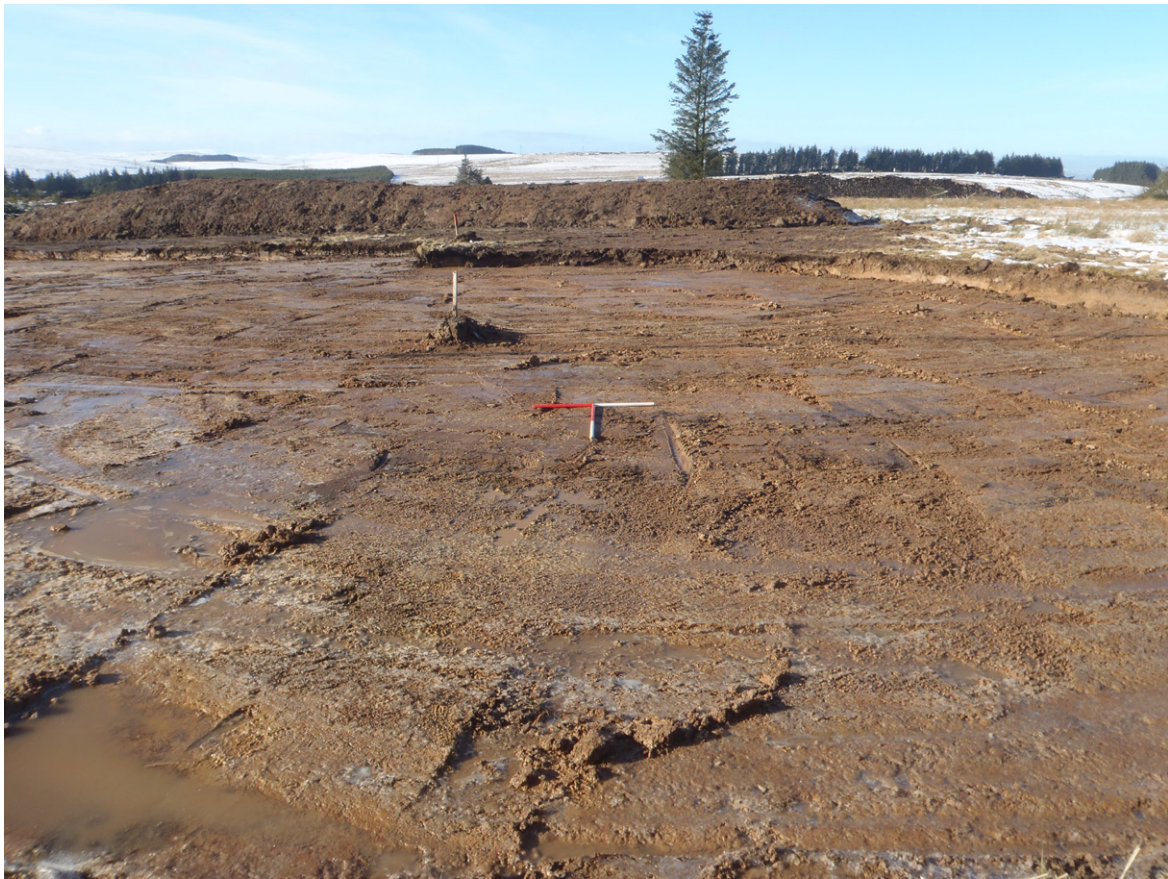


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Drawn by: CS	Checked: SW	Date: 18/04/18	Report No: 3651	Fig. No: 4
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Title:  
Crane Pad 4 and Turbine Base 4

Client:  
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Drawn by:	Checked:	Date:	Report No:	Fig. No:
CS	SW	18/04/18	3651	5





Title:  
Crane Pad 5 and Turbine Base 5

Client:  
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Drawn by:	Checked:	Date:	Report No:	Fig. No:
CS	SW	18/04/18	3651	6





Title:  
Crane Pad 6 and Turbine Base 6

Client:  
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Drawn by: CS	Checked: SW	Date: 18/04/18	Report No: 3651	Fig. No: 7
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Title:  
Substation

Client:  
Green Cat Contracting Ltd



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Title:  
Access Track Bellmouth

Client:  
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