

# CFA Archaeology Ltd

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*Field Evaluation & Excavation*

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*Site & Landscape Survey*


*Geophysical Survey*

**Wind Turbine,  
East Pokelly Farm, Stewarton  
East Ayrshire**

**Archaeological Watching Brief**

**Report No. 2123**

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## **CFA ARCHAEOLOGY LTD**

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## **1. INTRODUCTION**

### **1.1 General**

This report presents the results of an archaeological watching brief undertaken by CFA Archaeology Ltd (CFA) on the 5<sup>th</sup> of September 2012 on land at East Pokelly Farm, Stewarton, East Ayrshire (Fig. 1). The work was commissioned by 3R Energy Solutions Ltd.

A Written Scheme of Investigation (WSI) dated 23 July 2012 was produced by CFA on behalf of 3R Energy Solutions Ltd. The WSI was designed to fulfil the requirements of the West of Scotland Archaeology Service (WoSAS).

### **1.2 Background**

Planning permission has been granted for the construction of one wind turbine on land at East Pokelly Farm (Fig. 1). The planning permission was subject to a condition requiring an archaeological watching brief during all ground breaking works required for the construction of the turbines including, but not limited to, the turbine bases, access roads, cabling, and other associated infrastructure.

## **2. Objectives**

The objectives of the programme of archaeological works were:

- To conduct an appropriate programme of archaeological investigation (watching brief) to monitor all groundbreaking works for the construction of the turbines, access roads, cabling and associated infrastructure.
- 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 Fieldwork. Recording of all elements followed established CFA methods, as detailed in the approved WSI.

### **2.2 Archaeological Watching Brief**

The terms of the WSI required an appropriate programme of archaeological investigation (watching brief) to monitor ground breaking works. Excavation was undertaken with a tracked mechanical excavator fitted with a smooth-bladed ditching 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 turbine was located out in open pasture fields. The ground breaking work consisted of the excavation of a turbine base and a cable trench.

The turbine base, measuring 8m N-S by 8m E-W, was stripped of turf and mid brown clayey silt topsoil **(001)** to reveal the underlying orange-grey sandy clay and sandy gravel natural substrate **(002)** at a depth of 0.5m (Fig. 2). Digging exposed an existing rubble field drain running towards a burn at the bottom of the slope.

The associated cable trench ran for c.61m from the north-east corner of the turbine base towards an existing wooden electrical post (Fig. 3). The cable trench revealed a similar sequence of deposits; the trench was 0.6m deep. A modern clay pipe to assist in the drainage of the field was found running roughly parallel to the rubble drain.

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

### 4. CONCLUSION

A watching brief was carried out during ground works for the erection of a wind turbine on land at East Pokelly Farm, Stewarton, Kilmarnock.

There were no features, deposits or artefacts of archaeological significance identified during the watching brief.

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the National Monuments Record of Scotland (NMRS).

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: Context Register

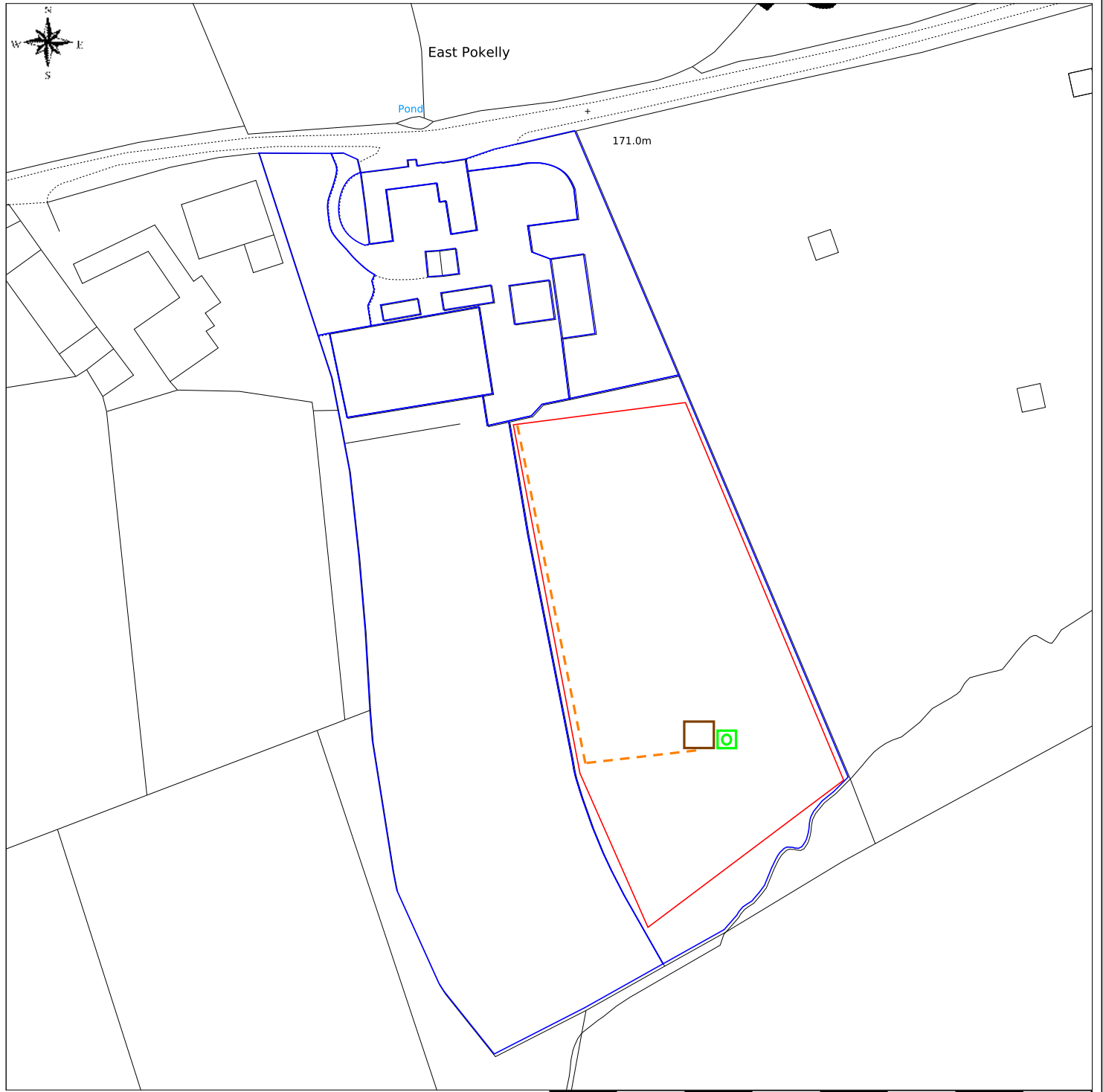
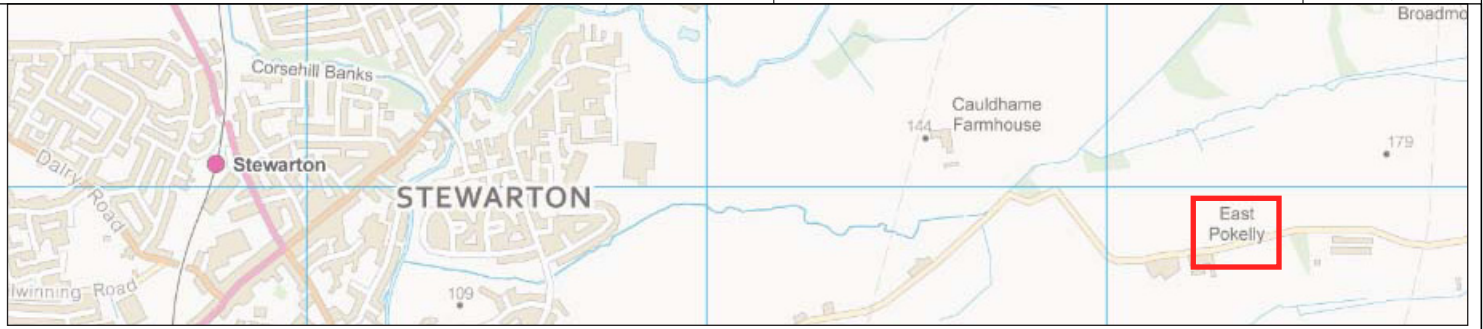
Context No.	Description
001	Topsoil – mid-brown slightly clayey silt
002	Subsoil – orange-grey sandy clay

## APPENDIX 2: Photographic Register

Number	Description	From	Conditions
1	General shot of area before stripping	NW	Overcast
2	Base for turbine stripped to natural subsoil	W	Overcast
3	General shot of rubble drain in Turbine Base	N	Overcast
4	General shot of section showing sequence of deposits	SE	Overcast
5	Detailed shot of clay pipe in Cable Trench	SW	Overcast
6-7	General views of Cable Trench and clay pipe drain	S	Overcast
8	General view of Cable Trench	S	Overcast

## APPENDIX 3: Discovery and Excavation in Scotland Entry

<b>LOCAL AUTHORITY:</b>	East Ayrshire
<b>PROJECT TITLE/SITE NAME:</b>	Wind Turbine, East Pokelly Farm, Stewartson, Kilmarnock
<b>PROJECT CODE:</b>	POKE
<b>PARISH:</b>	Fenwick
<b>NAME OF CONTRIBUTOR:</b>	Leigh A Garst
<b>NAME OF ORGANISATION:</b>	CFA Archaeology Ltd
<b>TYPE(S) OF PROJECT:</b>	Watching Brief
<b>NMRS NO(S):</b>	-
<b>SITE/MONUMENT TYPE(S):</b>	-
<b>SIGNIFICANT FINDS:</b>	-
<b>NGR (2 letters, 10 figures)</b>	NS 4431 4565
<b>START DATE (this season)</b>	05 September 2012
<b>END DATE (this season)</b>	05 September 2012
<b>PREVIOUS WORK (incl. DES ref.)</b>	N/A
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	A watching brief was carried out during ground works for the erection of a wind turbine on land at East Pokelly Farm, Stewartson, Kilmarnock. There were no features, deposits or artefacts of archaeological significance identified during the watching brief.
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	N/A
<b>SPONSOR OR FUNDING BODY:</b>	3R Energy Solutions Ltd
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	The Old Engine House, Eskmills Park, Musselburgh, EH21 7PQ
<b>EMAIL ADDRESS:</b>	cfa@cfa-archaeology.co.uk
<b>ARCHIVE LOCATION (intended/deposited)</b>	National Monuments Record of Scotland (archive) West of Scotland Archaeology Service (report)



- Key:
- Turbine Concrete Pad (8m x 8m)
  - Northern Power 100 Turbine (2m base)
  - Crane Hardstand 12m x 12m
  - Existing Access Track

Fig. No: 1      Revision: A      Client: 3R Energy Solutions Ltd

Title: Location map and turbine access track location

Project: East Pokelly Farm, Stewarton, East Ayrshire

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Fig. 2 - Turbine base stripped of topsoil from west



Fig. 3 - Topsoil stripping along cable trench

Fig. No: <b>2-3</b>		Revision: <b>A</b>	Project: <b>East Pokelly Farm, Stewarton, East Ayrshire</b>			<b>CFA ARCHAEOLOGY LTD</b> 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
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