MAP ARCHAEOLOGICAL PRACTICE LTD

Broachdale Farm Sheep Rake Lane Kilham East Yorkshire

TA 0446 6756

Archaeological Strip and Record and Archaeological Watching Brief

MAP 10.34.2011 Planning Ref. DC/11/01637/PLF

Report Prepared By	Report Authorised By
Date:	Date:

Broachdale Farm Sheep Rake Lane Kilham East Yorkshire

TA 0446 6756

Archaeological Strip and Record and Archaeological Watching Brief

MAP 10.34.2011 Planning Ref. DC/11/01637/PLF

Contents		
F	2	
Р	late List	2
N	on Technical Summary	3
1.	Introduction	3
2.	Site Description	4
3.	Planning Background	5
4.	Archaeological and Historical Background	5
5.	Aims and Objectives	6
6.	Methodology	6
7.	Results	8
8.	Summary and Conclusions	9
9.	Bibliography and References	11
1(0. List of Contributors	12

Appendices

27 28
31
32 33 35

Figure List

Page

1.	Site Location. Scale 1:50,000.	13
2.	Location of Stripped Area and Cable Trenches. Scale 1:10,000.	14
3.	Geophysical Survey Data and Cropmark Evidence.	15
4.	Features 1003/1007, 1010 & 1016. Plan and Sections.	
	Scale 1:50.	16

Plate List

1.	General location of Turbine 1 prior to excavation. Facing South.	17
2.	Site of Turbine 1 after topsoil strip. Facing South.	17
3.	East facing section of stripped turbine base. Facing North-east.	18
4.	Turbine 1 cable run from turbine base after excavation. Facing	
	South.	18
5.	Turbine 1 cable run after excavation. Facing North-east.	19
6.	Linear 1003 /1007 north facing section. Facing South.	19
7.	Linear 1010/1015 north facing section. Facing South.	20
8.	Linear 1016 south facing section. Facing North.	20
9.	General location of Turbine 2 prior to excavation. Facing South.	21
10.	Site of Turbine 2 after topsoil strip. Facing West.	21
11.	East facing section of stripped turbine base. Facing West.	22
12.	Turbine 2 cable run from turbine base after excavation. Facing	
	East.	22
13.	Turbine 2 section of cable run - north facing section. Facing	
	South.	23
14.	Turbine 2 cable route through woodland belt after excavation.	
	Facing East.	23
15.	Turbine 2 cable route through to farm buildings. Facing	
	North-east.	24
16.	Turbine 2 cable route to transformer after excavation. Facing	
	North.	24

Broachdale Farm Sheep Rake Lane Kilham East Yorkshire

TA 0446 6756

Archaeological Strip and Record and Archaeological Watching Brief

MAP 10.34.2011 Planning Ref. DC/11/01637/PLF

Non Technical Summary

An Archaeological Strip and Record and Archaeological Watching Brief was undertaken at Broachdale Farm, Kilham in October 2011 during the ground works associated with the construction of two wind turbines. This work involved the observation of the excavation of the foundation bases for the turbines and their associated cable trenches.

Archaeological features were confined to the cable trench associated with Turbine 1. Excavation bisected three features. Two were north-south aligned linears previously recorded through aerial reconnaissance and geophysical survey. Although excavation did show that Linear 1003/1006 was of more than one phase. The third feature had not been previously recognised and may also represent a linear or be a pit.

Finds from the excavations were confined to fragments of animal bone (sheep) from Linear 1015 and three surface flints.

No archaeological finds or features were uncovered during the overburden strip on both Turbine bases.

1. Introduction

1.1 MAP Archaeological Practice Ltd undertook an Archaeological Strip and Record and Archaeological Watching Brief at Broachdale Farm, Kilham (TA 0446 6756) at the request of Earthmill. The Archaeological Work was undertaken to fulfil an archaeological condition attached to the Planning Application Consent (Ref. DC/11/01637/PLF).

- 1.2 The Archaeological Strip and Record and Archaeological Watching Brief was undertaken on the 17th, 19th-21st, 24th and 27th of October, 2011.
- 1.3 Archaeological, Historical and Architectural remains are protected by means of Statutory Instruments (including Listed Building Register and Conservation Areas, Planning Policy Statement 5 (PPS5) on 'Planning for the Historic Environment'.
- 1.4 All work was carried out in accordance with PPS5, the Institute of Field Archaeologists' Standard and Guidance for Archaeological Field Evaluation (IFA 2005), the Institute of Field Archaeologists' Code of Conduct (IFA 2006), to the agreed Archaeological Project Design for an Archaeological Watching Brief (MAP 2011 – Appendix 8).
- 1.5 All work was funded by Earthmill.
- 1.6 The project was assigned the site code MAP 10.34.2011.
- 1.7 All maps within this report have been produced from the Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office, Crown Copyright. License No. AL 50453A.
- 2. Site Description (Figs. 1 2, Pls. 1 16)
- 2.1 The construction works were situated to the west of Broachdale Farm, Kilham (TA 0451 6756) within two large open agricultural fields. Turbine 1 was situated at c.117m AOD and Turbine 2 at 104m AOD
- 2.2 Turbine 1 stood at c.120m AOD with the cable run descending from this height to 112m AOD. Turbine 2 stood at c.105m AOD and the cable trench descending to a height of 82m AOD. The development areas had been drilled

and seeded at the time of the works with the crop standing to a height of c. 0.05m.

3. Planning Background

3.1 The site had been granted Planning Permission for the erection of two 34.2m high 50kw wind turbines and associated cable trenches (Planning Ref. DC/11/01637/PLF) attached to a planning consent (SMR casework No.SMR/PA/CONS/17037).

4. Archaeological and Historical Background

- 4.1 The site of the proposed development lies within an extremely archaeological landscape containing significant heritage assets dating from the prehistoric and Romano-British periods. Immediately to the east of the proposal site a large crop-mark can be seen running through the landscape north to south, this feature consists of a triple dyke with associated ditches and enclosures. One ditch associated with this feature appears to be running directly through the proposed position of the westernmost turbine. Another crop-mark which has been identified within the landscape is north-south track-way to the east of the one mentioned above, this runs south for over one kilometer from Thwing Parish, north of Crow Wood, passing east of Octon village and east of Swaythorpe deserted medieval village. Further to the north of the application site several square barrows, ring ditches and further linear ditches have been identified through aerial photography immediately south of Broach Dale Farm itself, a dense crop-mark complex has been identified consisting of an eastwest and north-south track-way or drove way as well as several phases of rectilinear enclosures, boundary ditches and a ring ditch (Stoertz 1997).
- 4.2 A Geophysical Survey was carried out by WYAS Archaeological Services in August 2011 and covered approximately three hectares. The survey covered areas of one hectare centered on each proposed turbine location and a 20m wide corridor along the route of the cable runs and has identified anomalies locating a square enclosure, drove-way and field boundary adjacent to the proposed location of Turbine 1, confirming and enhancing the crop data. No

anomalies of archaeological potential were identified in the area around the proposed location of Turbine 2 (WYAS 2011).

4.4 The cartographic evidence records that there have been no changes in the immediate vicinity of the turbine and cable alignments since the first edition Ordnance Survey Map in the mid nineteenth century AD.

5. Aims and Objectives

5.1 The aim of the Archaeological Strip and Record and Archaeological Watching Brief was to observe and establish the presence/absence, date, sequence, nature, depth, quality of survival and importance of any archaeological deposits effected by the ground works associated with the construction of the two wind turbines.

a) To locate, sample, record and interpret any archaeological features and deposits exposed during topsoil stripping and any excavation associated with the development.

b) To locate, recover, identify and conserve (as appropriate) any archaeological artefacts exposed.

c) To prepare and submit a suitable archive to East Riding Museum.

e) To prepare and submit a report on the results of the archaeological watching brief.

6. Methodology

- 6.1 Excavations were undertaken by a back-acting 360°, 13 tonne mechanical excavator with an un-toothed bucket. The excavation of the cable trench adjacent to the road to Broachdale Farm was undertaken by a 3 tonne mechanical mini-excavator.
- 6.2 The initial stage of work was the stripping of the topsoil from an area measuring $6m^2$ for the construction of the turbine bases (Pls. 2 & 10). The

cable trenches were in the main 0.90m deep and up to 0.50m wide (Pls. 4, 5, & 12-15). The exception being the section adjacent to the farm road, which was 0.50m deep (P. 16).

- 6.2 All machine excavation was undertaken under full archaeological supervision.
- 6.4 The archaeological feature and deposits were recorded on *pro-forma* Context Record Sheets according to guidelines laid down in the MAP Archaeological Practise Ltd Excavation Manual. A total of twenty-seven contexts were recorded (Appendix 1).
- 6.5 Artefacts recovered from the field-walking of the cable routes consisted of three flints. Excavation of linear 10015 recovered four fragments of sheep bone (Appendices 2 & 6).
- 6.6 The site archive consists of one plan and six sections, and 27 contexts sheets (Appendix 3).
- 6.7 A full photographic record of digital photographs was made. A total of 131 digital photographs were taken. (Appendix 4).

7. Results

7.1 Turbine 1

- 7.1.1 The strip of the turbine base revealed no archaeological features. A deposit of sandy loam topsoil, measuring 0.33m in depth, lay directly over the frost fractured chalk (Pl. 3).
- 7.1.2 Excavation of the cable trench for Turbine 1 revealed two linear features (1003/1007 & 10016 as defined by the previous geophysical survey WYAS 2011) and a possible third (1010/1015).
- 7.1.3 Turbine 1 Cable Trench: Linear 1003/1007 (Fig. 4 : Pl. 6)
 Linear 1003 was a north-south aligned ditch which had been re-cut by ditch 1007, when the earlier ditch 1003 had fully silted up. Ditch 1003 was in

excess of 0.80m in width and was 0.40m in depth with a flat bottomed and Ushaped profile. Its western edge had been removed by the ditch re-cut 1007. The fills of Ditch 1003 were three silty clays with varying amounts of chalk fragments and gravel inclusions (1004-1006). The primary fill (1006) of the feature was sampled for environmental evidence, and proved to be was sterile, producing only modern straw fragments and snail shell.

Linear re-cut 1007 was 0.94m in width and 0.44m in depth with a U-shaped profile. The features contained two fills (1008 & 1009) silty clays with varying amounts of chalk inclusions. The primary fill of Ditch 1007 (1009) was sampled for environmental evidence and was also sterile apart from modern material.

No finds were recovered from either of the ditches.

7.1.4 Turbine 1 Cable Trench: Feature 1010/1015 (Fig. 4 : Pl. 7)

Feature 1010/1015 was located 1.4m to the east of Ditch 1003/1007. As with Ditch 1003/1007 this feature appeared to have been re-cut. The earliest feature (1010) was in excess 2.2m in width and 0.26m in depth with a steep sided edge (80°) and flat base. Feature 1010 was filled with a silty clay (1012), when this had silted up naturally to a depth of 0.16m. Re-cut feature (1015) was cut through Deposit 1012. Feature 1015 measured 1.8m wide and was 0.26m deep feature with a very shallow 'U' shaped profile, with primary and secondary fills of silty clay (1013 & 1014) with high proportions of chalk inclusions. The final deposition episode in Features 1010 and 1015 was a 0.12m deep deposit of silty clay (1011). No finds were recovered from these features but an environmental sample was taken from fill (1014). The flot from the environmental sample contained modern material plus one tiny sliver of charcoal measuring <0.2cm, which was not identifiable.

As only a 0.50m wide transect was excavated of this feature it is impossible to determine whether the feature represents a ditch akin to 1003/1007 and 1016 or represented a large pit.

The Geophysical Survey of this area of the cable trench does show an isolated anomaly situated between the ditches, which may equate to Feature 1010/1015.

7.1.5 Turbine 1 Cable Trench: Linear 1016 (Fig. 4 : Pl. 8)

Linear 1016 measured 2m in with and 0.90m in depth with a 'V' shaped flatbottomed profile. The feature contained seven distinct fills of sandy clays with varying amounts of inclusions of fractured chalk (1017–1023).

Finds from the ditch were restricted to fragments of skull and a leg bone from a sheep (Appendices 2 & 6). The bone was in a very poor state of preservation. The environmental sample from deposit 1023, the primary fill of linear cut (1016), also produced some very scarce trace fragments of wood charcoal <0.2cm in size, which are probably not that significant (Appendix 7).

7.2 **Turbine 2** (Pls. 9 – 16)

- 7.2.1 Excavation of the plot for the Turbine 2 and the cable run showed no evidence of any archaeological activity. As with Turbine 1 structural base the subsoil had been removed by ploughing leaving only a 0.30m deep deposit of topsoil (2000) over the natural frost fractured chalk (Pls. 10 & 11).
- 7.2.2 In the cable trench, down slope of the turbine base deposits of subsoil were recorded (Pl. 13).

8. Summary and Conclusions

- 8.1 Turbine 1 and 2 and associated cable runs were located in an extremely rich archaeological landscape as defined by aerial reconnaissance (Stoertz 1997) and conformed by the Geophysical Survey (WYAS 2011).
- 8.2 Prior to excavation, both of these sources had indicated that archaeological features would be effected by excavations for the turbine base and cable run. The location of Turbine 1 was slightly modified and by doing so the excavations avoided the square enclosure (WYAS 2011 Fig. 3). It was not

possible to avoid the two linear features located by the geophysical survey as the cable run was always going to bisect them.

- 8.3 The excavation showed that the westerly of the two linears (1003/1007) was in fact of two phases whereas Linear 1016 was of a single phase and much bigger in size. The lack of suitable dating evidence from both of these features means it is impossible to say if they were contemporary.
- 8.4 The relationship of Feature 1010/1015 to Linears 1003/1007 and 1016 is also problematic. The lack of associated dating evidence is also problematic along with its exact function, although based on the geophysical data it does probably represent a large pit.
- 8.5 The recording of features along the Turbine 1 cable trench has been useful in defining the widths, depths, associated fills and profiles of the archaeological features encountered. It has not however, provided dating evidence for these features nor allowed full relationship to be defined.

9. Bibliography and References

IFA 2001	Standard and Guidance for the Archaeological Evaluation. Institute of Field Archaeologists.
Loughlin, N. and Miller, K. 1979	A Survey of Archaeological Sites in Humberside
Mackney, D. et al 1984	Soil Survey of England and Wales. Northern England. Sheet 1.
Stoertz, C. 1997	Ancient Landscapes of the Yorkshire Wolds
WYAS 2011	Geophysical Survey at Broachdale Farm, Sheep Rake Lane, Kilham, East Yorkshire. West Yorkshire Archaeology Service Report 2241.

http://www.old-maps.co.uk/maps.html

10. List of Contributors

On Site Team: Anne Finney Report written by: Anne Finney Report edited by Kelly Hunter Figures by Anne Finney and Kelly Hunter Plates by Sophie Langford

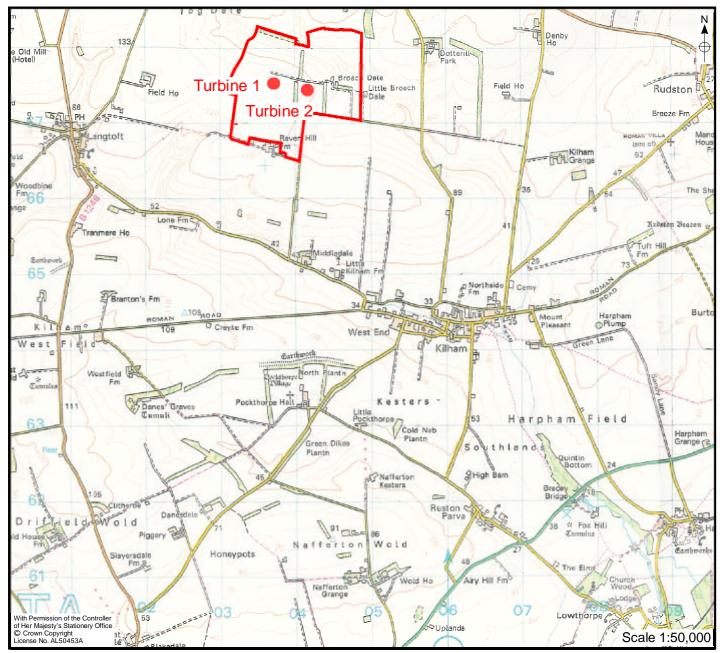
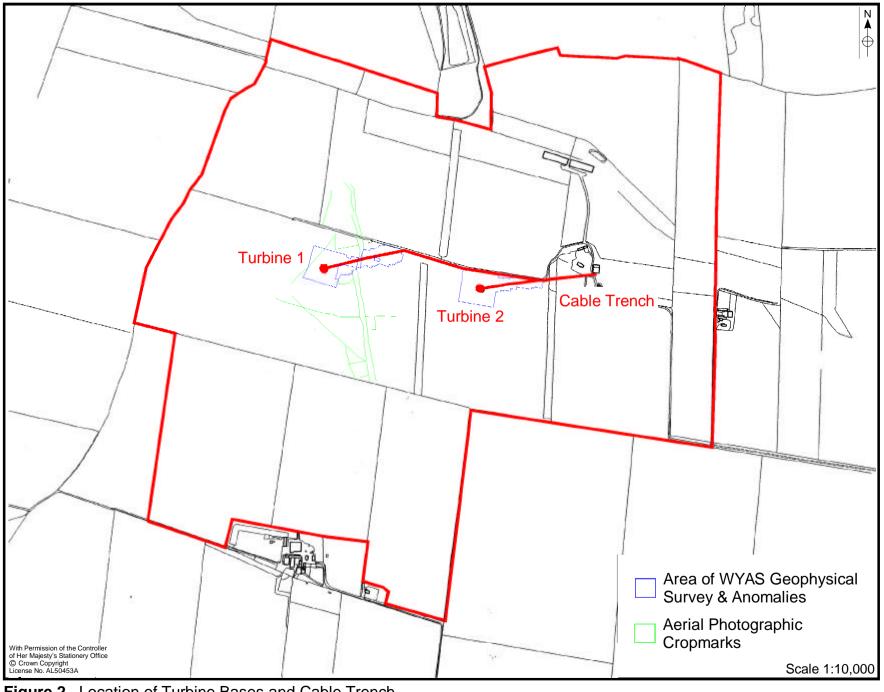


Figure 1. Site Location



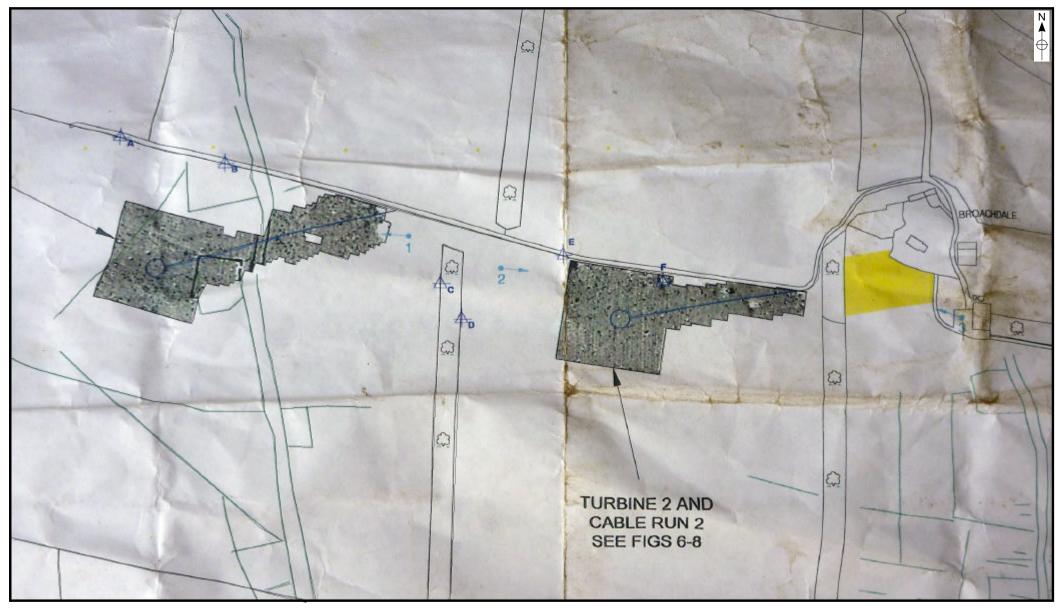


Figure 3. Detail from the WYAS Geophysical Survey Results

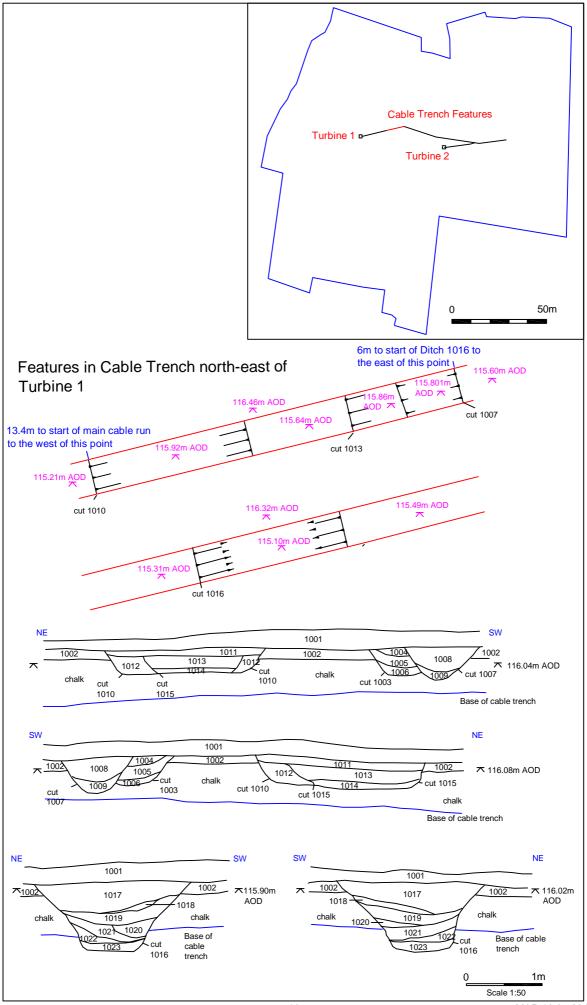




Plate 1. General location of Turbine 1 prior to excavation. Facing South.



Plate 2. Site of Turbine 1 after topsoil strip. Facing South.



Plate 3. East facing section of stripped turbine base. Facing Northeast.



Plate 4. Turbine 1 cable run from turbine base after excavation. Facing South.



Plate 5. Turbine 1 cable run after excavation. Facing North-east.



Plate 6. Linear 1003 /1007 north facing section. Facing South.



Plate 7. Linear 1010/1015 north facing section. Facing South.



Plate 8. Linear 1016 south facing section. Facing North.



Plate 9. General location of Turbine 2 prior to excavation. Facing South.



Plate 10. Site of Turbine 2 after topsoil strip. Facing West.



Plate 11. East facing section of stripped turbine base. Facing West.



Plate 12. Turbine 2 cable run from turbine base after excavation. Facing East.



Plate 13. Turbine 2 section of cable run - north facing section. Facing South.



Plate. 14. Turbine 2 cable route through woodland belt after excavation. Facing East.



Plate 15. Turbine 2 cable route through to farm buildings. Facing North-east.



Plate 16. Turbine 2 cable route to transformer after excavation. Facing North.

Broachdale Farm, Kilham Site Code MAP 10.34.2011

Context Listing

Turbine 1		
Context	Туре	Description
1000	Cut	Turbine 1
1001	Deposit	Topsoil - 10YR 5/6 sandy loam
1002	Deposit	Subsoil - 10YR 5/8 clay
1003	Cut	Linear
1004	Deposit	Fill of 1003 - 10YR 5/8 clay with occassional chalk fragments
1005	Deposit	Fill of 1003 - 10YR 5/6 sandy clay with occassional chalk fragments
1006	Deposit	Primary fill of 1003 - 7.5YR 5/6 silty clay with occassional chalk fragments
1007	Cut	Linear - recut of 1003
1008	Deposit	Fill of 1007 - 10YR 5/6 clay with occassional chalk fragments
1009	Deposit	Primary fill of 1007 - 7.5YR 6/6 silty sandy clay with occassional chalk fragments
1010	Cut	?Pit
1011	Deposit	Fill of 1010 & 1015 - 10YR 5/8 clay with occassional chalk fragments
1012	Deposit	Fill of 1010 - 7.5YR 5/6 silty clay with occassional chalk fragments
1013	Deposit	Fill of 1015 - 7.5YR 5/4 silty clay with chalk fragments
1014	Deposit	Primary fill of 1014 - 7.5YR 6/6 silty sandy clay
1015	Cut	?Pit - recut of 1010
1016	Cut	Linear
1017	Deposit	Fill of 1016 - 10YR 5/8 clay with occassional chalk fragments
1018	Deposit	Fill of 1016 - 10YR 5/6 clay with occassional chalk fragments
1019	Deposit	Fill of 1016 - 7.5YR 5/4 silty clay with chalk fragments
1020	Deposit	Fill of 1016 - 10YR 5/8 clay with occassional chalk fragments
1021	Deposit	Fill of 1016 - 7.5YR 5/6 silty clay with 50% chalk fragments
1022	Deposit	Fill of 1016 - 7.5YR 5/4 silty clay with 50% larger chalk fragments
1023	Deposit	Primary fill of 1016 - 7.5YR 6/8 with fractured chalk and marl
Turbine 2		
Context 2000 2001 2002	Category Cut Deposit Deposit	Description Turbine 2 Topsoil - 10YR 5/6 sandy loam Subsoil - 10YR 5/8 clay

Broachdale Farm, Cliffe Site Code MAP 10.34.2011

Finds Catalogue

Context	Catagory	Quantity	Description	Weight (g)
1022	Animal Bone	4	Skull fragments x 3	0.024kg
			Metatarsus fragment	

Site Code MAP 10.34.2011

Archive Listing

Description	Scale
Plan : Turbine 1 - cable trench. Linear 1003 &1006, 1009 & 1015	1 : 20
Section : Turbine 1 - cable trench Linears 1003 &1007 south facing section	1:10
Section : Turbine 1 - cable trench Linears 1003 &1007 north facing section	1:10
Section : Turbine 1 - cable trench Linear 1010 north facing section	1:10
Section : Turbine 1 - cable trench Linear 1010 south facing section	1:10
Section : Turbine 1 - cable trench Linear 1016 north facing section	1:10
Section : Turbine 1 - cable trench Linear 1016 south facing section	1:10
	Plan : Turbine 1 - cable trench. Linear 1003 &1006, 1009 & 1015 Section : Turbine 1 - cable trench Linears 1003 &1007 south facing section Section : Turbine 1 - cable trench Linears 1003 &1007 north facing section Section : Turbine 1 - cable trench Linear 1010 north facing section Section : Turbine 1 - cable trench Linear 1010 south facing section Section : Turbine 1 - cable trench Linear 1010 south facing section

Broachdale Farm, Kilham Site Code MAP 10.34.2011

Photographic Listing

No.	Jpeg	Description	Facing	Scale
1	1060610	General location of Turbine 2 prior to excavation	South	No scale
2	1060611	General location of Turbine 2 prior to excavation	North	No scale
3	1060612	General location of Turbine 2 prior to excavation	North	No scale
4	1060613	General location of Turbine 2 cable run alignment prior to	North-east	No scale
_		excavation		
5	1060614	General location of Turbine 2 cable run alignment prior to	North-east	No scale
_		excavation		
6	1060615	General location of Turbine 2 cable run alignment prior to	South-west	No scale
		excavation		
7	1060616	General location of Turbine 2 cable run alignment prior to	South-west	No scale
		excavation		
8	1060617	Northern boundary of OS Field	West	No scale
9	1060618	Northern boundary of OS Field	West	No scale
10	1060619	Northern boundary of OS Field	East	No scale
11	1060620	Northern boundary of OS Field	East	No scale
12	1060621	Site of Turbine 2 pror to excavation	West	No scale
13	1060622	Site of Turbine 2 pror to excavation	West	No scale
14	1060623	Site of Turbine 2 pror to excavation	North	No scale
15	1060624	Site of Turbine 2 after topsoil strip	West	2 x 2m
16	1060625	Site of Turbine 2 after topsoil strip	West	2 x 2m
17	1060626	East facing section of stripped turbine base showing depth of	West	1 x 0.4m
		topsoil		
18	1060627	East facing section of stripped turbine base showing depth of	West	1 x 0.4m
		topsoil		
19	1060628	East facing section of stripped turbine base showing depth of	West	1 x 0.4m
		topsoil		
20	1060629	East facing section of stripped turbine base showing depth of	West	1 x 0.4m
		topsoil		
21	1060630	General location of Turbine 1 prior to excavation	South	No scale
22	1060631	General location of Turbine 1 prior to excavation	South	No scale
23	1060632	General location of Turbine 1 prior to excavation	North	No scale
24	1060633	General location of Turbine 1 prior to excavation	North	No scale
25	1060634	General location of Turbine 1 cable run alignment prior to	North-east	No scale
		excavation		
26	1060635	General location of Turbine 1 cable run alignment prior to	North-east	No scale
		excavation		
27	1060636	General location of Turbine 1 cable run alignment prior to	East	No scale
		excavation		
28	1060637	Site of Turbine 1 pror to excavation	South	No scale
29	1060638	Site of Turbine 1 pror to excavation	South	No scale
30	1060639	Site of Turbine 1 pror to excavation	South	No scale
31	1060640	Site of Turbine 1 pror to excavation	North	No scale
32	1060641	Site of Turbine 1 after topsoil strip	South	2x 2m
33	1060642	Site of Turbine 1 after topsoil strip	South	2x 2m
34	1060643	East facing section of stripped turbine base showing depth of		1 x 0.4m
•		topsoil		
35	1060644	East facing section of stripped turbine base showing depth of	West	1 x 0.4m
		topsoil		
36	1060645	East facing section of stripped turbine base showing depth of	West	1 x 0.4m
	10000.0	topsoil		
37	1060646	Geophysical survey plot		
38	1060647	Geophysical survey plot		
39	1060648	General location of Turbine 1 cable run alignment prior to	North-east	No scale
00	10000-10	excavation		10 0000
40	1060649	General location of Turbine 1 cable run alignment prior to	North-east	No scale
70	10000-10	excavation	Hortin Gabt	140 50016
41	1060650	Linears 1003 & 1007 north facing section	South	1 x 1m
42	1060651	Linears 1003 & 1007 north facing section	South	1 x 1m
42 43	1060652	Linears 1003 & 1007 north facing section	South	1 x 1m
10			00001	

11				
44	1060653	Linears 1003 & 1007 north facing section	South	1 x 1m
15	1000054			1 v 0m
45	1060654	Linear 1010 north facing section	South	1 x 2m
46	1060655	Linear 1010 north facing section	South	1 x 2m
		5	South	1 x 2m
47	1060656	Linear 1010 north facing section		1 X ZIII
48	1060657	Linear 1010 north facing section	South	1 x 2m
49			South	1 x 1m
	1060658	Linear 1016 north facing section - prior to full excavation		1 x 1m
50	1060659	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
51	1060660	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
52	1060661	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
53	1060662	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
54	1060663	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
55	1060664	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
56	1060665	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
57	1060666	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
58	1060667	Linear 1016 north facing section - prior to full excavation	South	1 x 1m
59	1060668	Linears 1003 & 1007 south facing section	North	1 x 1m
60	1060669	Linears 1003 & 1007 south facing section	North	1 x 1m
		-		
61	1060670	Linears 1003 & 1007 south facing section	North	1 x 1m
62	1060671	General location of Turbine 2 cable run alignment prior to	East	No scale
			-0.01	
		excavation		
63	1060672	General location of Turbine 2 cable run alignment prior to	East	No scale
		excavation		
64	1060673	General location of Turbine 2 cable run alignment prior to	East	No scale
•••		•	-0.01	
		excavation		
65	1060674	General location of Turbine 2 cable run alignment prior to	West	No scale
00	1000011	•		
		excavation		
66	1060675	General location of Turbine 2 cable run alignment prior to	West	No scale
00	1000010		******	
		excavation		
67	1060676	General location of Turbine 2 cable run alignment prior to	West	No scale
0.	1000010			
		excavation		
68	1060677	Linear 1016 south facing section - prior to full excavation	North	1 x 1m
69	1060678	Linear 1016 south facing section - prior to full excavation	North	1 x 1m
70	1060679	Linear 1016 south facing section - prior to full excavation	North	1 x 1m
71	1060680	Linear 1010 south facing section	North	1 x 2m
72	1060681	Linear 1010 south facing section	North	1 x 2m
73	1060682	Linear 1010 south facing section	North	1 x 2m
74	1060683	Linear 1010 south facing section	North	1 x 2m
75	1060684	Linear 1010 south facing section	North	1 x 2m
76	1060685	Turbine 1 cable run after excavation	North-east	2 x 1m
77	1060686	Turbine 1 cable run after excavation		2 x 1m
	1000000		North-east	2 X IIII
78	1060687	Turbine 1 cable run after excavation	South-west	2 x 1m
				$2 \times 1 m$
79	1060688	Turbine 1 cable run after excavation	South-west	2 x 1m
80	1060689			
00	1000009	Linear 1016 basal fills in situ	South	
			South	1 x 0.4m
81	1060690	Linear 1016 basal fills in situ	South	1 x 0.4m 1 x 0.4m
81				1 x 0.4m
81 82	1060690 1060691	Linear 1016 basal fills in situ Linear 1016 basal fills in situ	South North	1 x 0.4m 1 x 0.4m 1 x 0.4m
81 82 83	1060690 1060691 1060692	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ	South North North	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m
81 82	1060690 1060691	Linear 1016 basal fills in situ Linear 1016 basal fills in situ	South North	1 x 0.4m 1 x 0.4m 1 x 0.4m
81 82 83 84	1060690 1060691 1060692 1060693	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt	South North North East	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale
81 82 83 84 85	1060690 1060691 1060692 1060693 1060694	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt	South North North East West	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale No scale
81 82 83 84	1060690 1060691 1060692 1060693	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt	South North North East	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale
81 82 83 84 85 86	1060690 1060691 1060692 1060693 1060694 1060695	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings	South North East West East	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale No scale No scale
81 82 83 84 85 86 87	1060690 1060691 1060692 1060693 1060694 1060695 1060696	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section	South North East West East South	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale No scale No scale 1 x 1m
81 82 83 84 85 86	1060690 1060691 1060692 1060693 1060694 1060695	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings	South North East West East	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale No scale No scale
81 82 83 84 85 86 87 88	1060690 1060691 1060692 1060693 1060694 1060695 1060696 1060697	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section	South North East West East South South	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale No scale 1 x 1m 1 x 1m
81 82 83 84 85 86 87 88 88	1060690 1060691 1060692 1060693 1060694 1060695 1060696 1060697 1060698	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section	South North East West East South South South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$
81 82 83 84 85 86 87 88	1060690 1060691 1060692 1060693 1060694 1060695 1060696 1060697	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section	South North East West East South South	1 x 0.4m 1 x 0.4m 1 x 0.4m 1 x 0.4m No scale No scale 1 x 1m 1 x 1m
81 82 83 84 85 86 87 88 89 90	1060690 1060691 1060692 1060693 1060694 1060695 1060696 1060697 1060698 1060699	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section	South North East West East South South South North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$
81 82 83 84 85 86 87 88 89 90 91	1060690 1060691 1060693 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$
81 82 83 84 85 86 87 88 89 90 91 92	1060690 1060691 1060693 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$
81 82 83 84 85 86 87 88 89 90 91 92	1060690 1060691 1060693 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$
81 82 83 84 85 86 87 88 89 90 91 92 93	1060690 1060691 1060693 1060693 1060695 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature Linear 1016 base of feature Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94	1060690 1060691 1060693 1060693 1060695 1060695 1060697 1060698 1060699 1060700 1060701 1060702 1060703	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94	1060690 1060691 1060693 1060693 1060695 1060695 1060697 1060698 1060699 1060700 1060701 1060702 1060703	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95	1060690 1060691 1060693 1060694 1060695 1060695 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North South South South South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	1060690 1060691 1060693 1060694 1060695 1060695 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North South South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	1060690 1060691 1060693 1060694 1060695 1060695 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North South South South South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705 1060706	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North South South South North North North North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 1.0m$ 1
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705 1060706 1060707	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North South South South South North North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705 1060706	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North South South South North North North North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 1.0m$ $1 \times 0.4m$ $1 \times 1.0m$ $1 \times 1.0m$ 1
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705 1060706 1060707 1060708	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North North North North North North North North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1.m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$ $2 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705 1060706 1060707 1060708 1060709	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base base differed Linear 10	South North East West East South South South North North North North North North North North North North North North North South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1.m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$ $2 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705 1060706 1060707 1060708	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 base of feature	South North East West East South South South North North North North North North North North North North North	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1.m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$ $2 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060700 1060701 1060703 1060704 1060705 1060706 1060707 1060708 1060709 1060710	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Turbine 1 cable run from turbine base after excavation Turbine 1 cable run from turbine base after excavation	South North East West East South South South North North North North North North North North North North North North North South South South South	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060700 1060701 1060703 1060704 1060705 1060706 1060707 1060708 1060709 1060710	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Turbine 1 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation	South North East West East South South South North North North North North North North North North North North North North Sou	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060700 1060701 1060703 1060704 1060705 1060706 1060707 1060708 1060709 1060710	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Turbine 1 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation	South North East West East South South South North North North North North North North North North North North North North Sou	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060700 1060701 1060703 1060704 1060705 1060706 1060707 1060708 1060709 1060710 1060711 1060712	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Turbine 1 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation	South North East West East South South South North North North North North North North North North North North North North Sou	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060701 1060702 1060703 1060704 1060705 1060706 1060707 1060708 1060710 1060711 1060712 1060713	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Turbine 1 cable run from turbine base after excavation Turbine 1 cable run from turbine base after excavation Turbine 1 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation	South North East West East South South South North North North North North North North North North North North North North Sou	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103	1060690 1060691 1060693 1060694 1060695 1060696 1060697 1060698 1060699 1060700 1060700 1060701 1060703 1060704 1060705 1060706 1060707 1060708 1060709 1060710 1060711 1060712	Linear 1016 basal fills in situ Linear 1016 basal fills in situ Turbine 2 cable route through woodland belt Turbine 2 cable route through woodland belt Turbine 2 cable route through to farm buildings Linear 1016 north facing section Linear 1016 north facing section Linear 1016 north facing section Linear 1016 base of feature Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Linear 1016 south facing section Turbine 1 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation Turbine 2 cable run from turbine base after excavation	South North East West East South South South North North North North North North North North North North North North North Sou	$1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ No scale No scale No scale $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 0.4m$ $1 \times 1m$ $1 \times 1m$ $1 \times 1m$ $2 \times 1m$

106 107 108 109 110 111	1060715 1060716 1060717 1060718 1060719 1060720	Turbine 2 cable route after excavation Turbine 2 cable route after excavation Turbine 2 cable route through to farm buildings Turbine 2 cable route through to farm buildings Turbine 2 cable route through to farm buildings Turbine 2 cable route through woodland belt after excavation	West West North-east South-west South-west East	2 x 1m 2 x 1m No scale No scale No scale 2 x 1m
112	1060721	Turbine 2 cable route through woodland belt after excavation	East	2 x 1m
113	1060722	Turbine 2 cable route through woodland belt after excavation	West	2 x 1m
114	1060723	Turbine 2 cable route through woodland belt after excavation	West	2 x 1m
115 116 117 118 119	1070234 1070235 1070236 1070237 1070238	Turbine 2 cable route to transfomer prior to excavation Turbine 2 cable route west facing section - area of transformer	North North South South East	No scale No scale No scale No scale 1 x 0.4m
120	1070239	Turbine 2 cable route west facing section - area of transformer	East	1 x 0.4m
121 122 123 124 125	1070240 1070241 1070242 1070243 1070244	Turbine 2 cable route to transfomer after excavation Turbine 2 cable route through to farm buildings after	North North South South West	2 x 1m 2 x 1m 2 x 1m 2 x 1m 2 x 1m 2 x 1m
126	1070245	excavation Turbine 2 cable route through to farm buildings after excavation	West	2 x 1m
127	1070246	Turbine 2 cable trench prior to road crossing - east facing section	West	1 x 0.4m
128	1070247	Turbine 2 cable trench prior to road crossing - east facing section	West	1 x 0.4m
129	1070248	Turbine 2 cable route through to farm buildings after excavation	East	2 x 1m
130	1070249	Turbine 2 cable route through to farm buildings after excavation	East	2 x 1m
131	1070250	Turbine 2 cable route through to farm buildings after excavation	East	2 x 1m

Broachdale Farm, Kilham Site Code MAP 10.34.2011

Environmental Sample Listing

Sample No.	Cont	ext No.	Туре	Description	No. of Tubs
1	1	1006	GBA	Fill of 1003 - 10YR 5/8 clay with occassional chalk fragments	1
2	2	1009	GBA	Primary fill of 1007 - 7.5YR 6/6 silty sandy clay with occassional chalk fragments	1
3	3	1014	GBA	Primary fill of 1015 - 7.5YR 6/6 silty sandy clay	1
2	4	1023	GBA	Primary fill of 1014 - 7.5YR 6/8 with fractured chalk and marl	1

Broachdale Farm, Kilham (MAP 10.34.2011) Assessment of Animal Bone

Context	No.	Weight	Taxon	Element	Part of Element	Butchery	Notes
1022	4	gms 24	Ovid	Metarsus	Shaft frag		poor state of presefrvation
				Skull	x 3 frags		

Discussion

The assemblage recovered from the Watching Brief was very small and in a very poor state of preservation. There is little information to gained from the site other than to say thn that the faunal remains consisted a 3 fragments of skull and a fragment of leg bone from a sheep/goat. The fragments of bone recovered are not suitable for radio carbon dating and do not merit retention.

Broachdale Farm, East Yorkshire (10.34.2011) Carbonised Plant Macrofossils and Charcoal Diane Alldritt

1: Introduction

Four environmental sample flots from Broachdale Farm, East Yorkshire (MAP 10.34.2011) were examined for carbonised plant macrofossils and charcoal. Samples originated from the primary fills of a series of linear features.

2: Methodology

Bulk environmental samples were processed by MAP using a Siraf style water flotation system (French 1971). The flots were dried before examination under a low powered binocular microscope. Very little charred material was present with <2.5ml of tea-leaf sized detritus, which was too small to identify, recovered from two samples, whilst the other two were sterile. Modern root fragments were present in small amounts from <2.5ml to 5ml, together with occasional non-marine mollusc (snail) shell and straw fragments, indicating a small degree of modern contamination.

3: Results

Results are presented in table 1 and discussed below.

4: Discussion

The environmental samples from Broachdale Farm were mostly sterile, with only occasional very small slivers of wood charcoal recorded. The majority of this wood

charcoal measured <0.2cm and was not identifiable to type. Non-marine mollusc shell was recorded in all four samples, but in small amounts.

Sample 1 (1006) from the primary fill of linear cut (1003) was sterile, producing only modern straw fragments and snail shell. Sample 2 (1009) from the primary fill of linear cut (1007) was also sterile apart from modern material.

Sample 3 (1014) contained modern material plus one tiny sliver of charcoal measuring <0.2cm, which was not identifiable. Sample 4 (1023) from the primary fill of linear cut (1016) also produced some very scarce trace fragments of wood charcoal <0.2cm in size, which are probably not that significant.

5: Conclusion

The four Broachdale Farm samples produced very little other than modern material. The scarce charcoal fragments recorded in two of the samples are probably trace inclusions and not particularly significant. The linear features may well have been kept clean of household and other waste during their use, or been at some distance from activities producing burnt waste.

Overall the samples produced very little evidence for any burning activity and suggested a low potential for future sampling to produce any significant remains. No further work is required on this sample set.

References

French, D. H. 1971 An Experiment in Water Sieving. Anatolian Studies 21 59-64.

Table 1: 10.34 Broachdale Farm, East Yorkshire: Environmental Samples:

10.34 Broachdale Farm, East Yorkshire	Sample		1		2	3	4
MAP 10.34.2011	Context		1006		1009	1014	1023
	Feature	linear	1003	linear	1007	fill of?	linear 1016
	Total CV		0		0	<2.5ml	<2.5ml
	Modern	2.5ml		2.5ml		5ml	5ml
Non-carbonised Remains							
Non-marine mollusc shell			2		4	2	3
Modern straw fragments			3		2	4	

Broachdale Farm Sheep Rake Lane Kilham East Yorkshire

Written Scheme of Works: Watching Brief

1. SUMMARY

1.1 This brief is for a programme of monitored archaeological observation, investigation and recording to be carried out during the erection of 2 no. 34.2m high 50kw Wind Turbines and associated cable trenches at Broachdale Farm, Sheep Rake Lane, Kilham, East Yorkshire (Planning Ref. DC/11/01637/PLF) attached to a planning consent (SMR casework No.SMR/PA/CONS/17037).

2. SITE LOCATION

2.1 The proposed site is located at Broachdale Farm, Sheep Rake Lane, Kilham, East Yorkshire.

3. PLANNING BACKGROUND

- 3.1 The Planning Reference (DC/11/01637/PLF), has to have been granted subject to an archaeological condition to secure a programme of archaeological work, which stated that:
- 3.2 "No development shall take place on the site until the applicant, or their agent or successors in title, has secured the implementation of a programme of archaeological work in accordance with a written scheme of investigation which has been submitted by the applicant and approved in writing by the Planning Authority. Development shall be carried out in accordance with the approved details (Planning Policy Statement 5).

4. ARCHAEOLOGICAL BACKGROUND

4.1 The site of the proposed development lies within an extremely archaeological landscape containing significant heritage assets dating

from the prehistoric and Romano-British periods. Immediately to the east of the proposal site a large crop-mark can be seen running through the landscape north to south, this feature consists of a triple dyke with associated ditches and enclosures. One ditch associated with this feature appears to be running directly through the proposed position of the westernmost turbine. Another crop-mark which has been identified within the landscape is north-south track-way to the east of the one mentioned above, this runs south for over one kilometer from Thwing Parish north of Crow Wood, passing east of Octon village and east of Swaythorpe deserted medieval village. Further to the north of the application site several square barrows, ring ditches and further linear ditches have been identified through aerial photography immediately south of Broach Dale Farm itself, a dense crop-mark complex has been identified consisting of an east-west and north-south track-way or drove way as well as several phases of rectilinear enclosures, boundary ditches and a ring ditch.

4.2 A Geophysical Survey was carried out by WYAS Archaeological Services in August 2011 and covered approximately 3 hectares. The survey covered areas of one hectare centered on each proposed turbine location and a 20m wide corridor along the route of the cable runs and has identified anomalies locating a square enclosure, droveway and field boundary adjacent to the proposed location of T1, confirming and enhancing the crop data. No anomalies of archaeological potential have been identified in the area around the proposed location of T2. It was recommended that further archaeological work may be required in advance of, or during construction.

5. METHODOLOGY

5.1 The proposed scheme of works shall comprise the archaeological monitoring of all below ground disturbance, including the cable

trenches associated with the turbine bases, preliminary landscaping and ground preparation. These works should be undertaken under archaeological supervision. This is to enable the identification and recording of any archaeological material that might be uncovered. If archaeological deposits are encountered, then they are to be investigated and fully recorded; this may necessitate a temporary halt to construction works in this part of the site, whilst the investigations and recording are completed.

- 5.2 If human remains are encountered, they should be properly investigated, recorded and where appropriate lifted in accordance with a Ministry of Justice License for the removal of human remains. Should significant archaeological remains be present, it may be necessary to excavate some areas archaeologically to ensure their proper investigation and recording.
- 5.3 The developers chosen archaeologist must be acceptable to the Local Planning Authority after consultation with the Sites and Monuments Record Office. Access to the site will be afforded to the developers chosen archaeologist at all reasonable times.
- 5.4 Reasonable prior notice of the commencement of development is to be given to the archaeological contractor. A two-week period is suggested, where possible. The Sites and Monuments Record Office will be notified by the archaeological contractor in advance of the programme of archaeological observation, investigation and recording.
- 5.5 On completion of the work an ordered archive will be prepared by the archaeologist and deposited with a registered museum. The proposed recipient museum must be contacted at the beginning of the project. A copy of the archive index and the name of recipient museum will be sent to the Sites and Monuments Record. Contractors will make allowance for a minimum of one box in calculating estimates for the museums storage grant.

- 5.6 With the exception of human remains, and finds of treasure (as defined under the 1996 Treasure Act), which will be reported to the coroner, all finds are the property of the landowner. However it is generally expected that the finds will be deposited with the archive. A finds recovery and conservation strategy will be agreed with the developer in advance of the project commencing. This will include contingency arrangements for artefacts of special significance. Any recording, marking and storage materials will be of archive quality and recording systems must be compatible with the recipient museum. Copies of all recording forms and manuals will be submitted to the Archaeology Manager, prior to commencement of site works, if these have not been supplied previously.
- 5.7 Within six weeks of the completion of the work, a report will be produced by the archaeologist, and submitted to the developer, the Local Planning Authority and the SMR Office.

The final report will include the following (as appropriate):

- A non-technical summary
- Site code/project number
- Planning reference number and SMR casework number
- Dates for fieldwork/visits
- Grid reference
- A location plan, with scale
- A plan of the developer's plan, with scale showing the areas monitored (e.g. the service trenches and any associated landscaping, construction of access routes etc.) and indicating the position of archaeological features in relation to the foundations etc.
- Section and plan drawings (where archaeological deposits are exposed), with ground level, Ordnance Datum and vertical and horizontal scales

- General site photographs (a minimum 35mm format) including general as well as photographs of significant archaeological deposits or artefacts if encountered
- A written description and analysis of the methods and results of the watching brief, in the context of the known archaeology of the area
- Specialist artefact and environmental reports, as necessary
- The archaeological contractor will also supply a digital copy of the report in PDF format to the Humber Sites and Monuments Record Office,
- Where a significant discovery is made, consideration should be given to the preparation of a short note for inclusive in a local journal
- All work will be carried out in accordance with the developer's proposed timetable and shall not cause undue delay to the development unless otherwise agreed.

7. MONITORING

7.1 The work will be monitored under the auspices of the Sites and Monuments Record Office, who should be consulted before the commencement of site works.

8. HEALTH AND SAFETY

8.1 Health and Safety will take priority over archaeological matters. All undertaking fieldwork will comply with all Health and Safety Legislation. We are adequately insured to cover all eventualities, including risks to third parties.

9. References

WYAS, Archaeological Services 2011 Geophysical Survey at Broachdale Farm, Sheep Rake Lane, Kilham, East Yorkshire. Report 2241