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DC NO CH9

UGE
Universal Green Energy

31 March 2010

Our Ref: MB091074

Barnsley Metropolitan Borough Council
Town Hall
Barnsley
South Yorkshire
S70 2TA

Dear Mr M. Woodward – Planning Officer

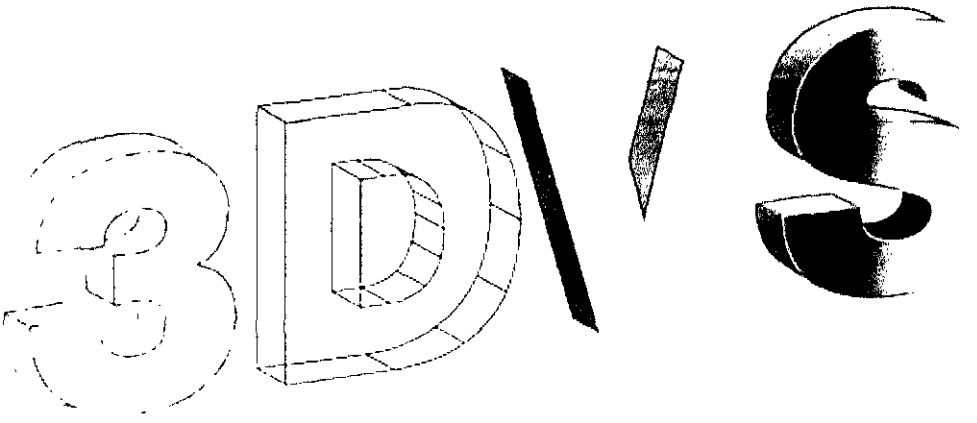
RE: 2010/0097 – ERECTION OF WIND TURBINE, JOWETT HOUSE FARM

I write to enclose as requested a full Environmental Impact Visualisation Report in relation to the application for the erection of a wind turbine at Jowett House Farm, Cawthorne.

Should you require any further information relative to this application, please do not hesitate to contact me directly.

Yours faithfully

Liz Holdsworth
General Manager



ENVIRONMENTAL IMPACT VISUALISATION REPORT

PLANNING APPLICATION: 2010/0097

MR J WILLIAMS

JOWETT HOUSE FARM

CAWTHORNE

S75 4AS

THIS REPORT IS PREPARED IN ACCORDANCE WITH THE GUIDELINES IN ' GUIDELINES FOR LANDSCAPE AND VISUAL IMPACT ASSESSMENT. PUBLISHED BY THE LANDSCAPE INSTITUTE & THE INSTITUTE OF ENVIRONMENTAL MANAGEMENT & ASSESSMENT

Company Profile

3DVS is a 3D & Renewable Energy Visualisation and CGI Animation company based in Dewsbury. West Yorks. Established in 2007

3DVS specialises in producing visualisations in the following key areas:

Environment & Planning
Heritage Projects
Regeneration Projects
Architecture
Interior Design
Advertising
Marketing
Public Art
Television

For further information please contact Neil Woodhouse at

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This report is prepared using the guidelines outlined in *'Guidelines for Landscape and Visual Impact Assessment'* published by The Landscape Institute & The Institute of Environmental Management & Assessment.

Technical Processes Used in Producing this Report.

1. All location photographs and the Turbine position were logged on site using a GARMIN GPS. The accuracy of positions is +/- 1m.

2. Locations were logged on site as OSGB 10 figure co-ordinates. These were then converted back to Latitude – Longitude bearings so that the positions could be accurately marked on the Google Earth Aerial view.

3. Original Marker Distances on the GPS were cross referenced with the distances from Google Earth for accuracy. Both, co-ordinate sets, elevation and distance from the Turbine position are clearly marked on the images. Terrain Cross Profiles were produced from OS digital maps (1:50.000) vertical exaggeration is approximately x 2, using a software package called Mem-Map.

4. The visualisations were produced using 3D STUDIO MAX, a CAD software package which is part of the AutoDesk Group, which is used in Architecture and animation and also Photoshop. This was done by placing the photographs into 3DS Max, placing a 'virtual camera' in the scene at the correct distance from the turbine and then superimposing the turbine into the scene. Scale height calculations were done to ensure total accuracy of turbine height against distance.

5. Final images were then rendered out, saved as .jpg files and then post processed in Photoshop, re-sizing of image for printing purposes.

DATA SHEET.

LOCATION/DESCRIPTION	OS REF	Lat/Lon	DISTANCE FROM PRIMARY MARKER (Meters)	Bearing Direction To Turbine. (Degs)	NOTES
1	SE26476 - 07981	53 34.066 - 001 36.102	0		**Turbine Location (Primary Marker)**
2	SE26797 - 08199	53 34.183 - 001 35.811	388.78m	235.8	Location 1
3	SE26665 - 08404	53 34.294 - 001 35.929	456.53m	203.84	Location 2
4	SE26786 - 08338	53 34.258 - 001 35.819	473.3m	220.68	Location 3
5	SE27146 - 07242	53 33.666 - 001 35.499	994.83m	318.22	Location 4
6	SE26573 - 07283	53 33.690 - 001 36.018	707.33	352.6	Location 5
7	SE26342 - 07277	53 33.687 - 001 36.227	719.96	10.9	Location 6


Location 2
Location 3
Location 1
Turbine
New Rd
Jowett House Ln
Coach Gate Ln
Location 6
Location 5
53 33.687 - 001 36.227
Location 4
A635
Bark House Ln
Tiwy Dale
Woolstock Ln
The Park
Tiwy Dale Dr
© 2010 Infoterra Ltd & Bluesky
© 2010 Europa Technologies
© 2010 Tele Atlas
©2009 Google
Dates Sep 21, 2008 - May 31, 2009
53°34'00.92" N 1°35'46.77" W elev 103 m
Eye alt 2.63 k


Location 1. OSGB: SE26197 - 08199. Lat/Lon: 53 34.183 - 001 35.811 Distance to Turbine = 388.78m. Elevation = 118m. Heading 235.80 deg.

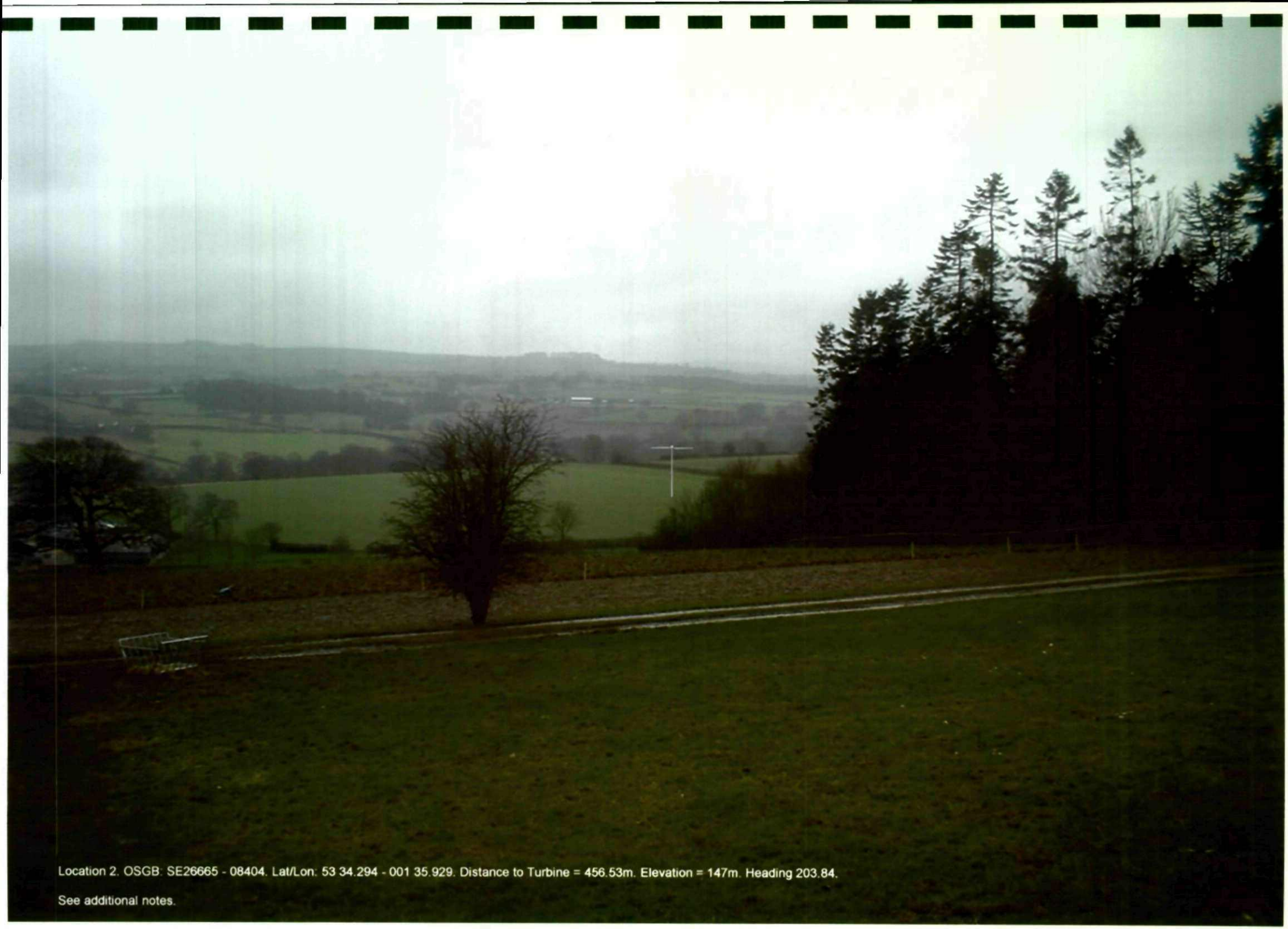
Notes on Photograph location 2.

Tower Cottage.

Photograph location 2 was taken from a point 52m south of Tower Cottage. Direct access to the land on which Tower Cottage sits, could not be gained. The photograph was taken from a position on land belonging to Cannon Hall Farm directly in front of the cottage.

Tower Cottage lies at an elevation of 149m. Its perspective view, lower and upper floors, in relation to the Turbine, has an outlook on a bearing of 172 deg. The proposed Turbine is at an elevation of 115m on a bearing of 204 deg, 32 deg to the right of the property. The Turbine is 34m lower than the house.

The photograph supplied by Barnsley Council (Photograph H & Enlarged view) show only the upper floor windows. The current suggested reposition of the Turbine also bears this out in relation to photograph H. There is a high probability that the Turbine will be masked from ***direct view*** of the ground floor windows by the wooded area to the right of the cottage, and if seen will only be seen to the extreme right from the single circular window on the upper floor. It is the writers opinion that the Turbine will not be seen from the ground floor area because of other cottage related structures (fences etc) and the wooded area. I believe this restricted view will apply to external areas also within the property boundary. It should be noted there is a large hedging bordering areas of the property overlooking the site.



Location 2. OSGB: SE26665 - 08404. Lat/Lon: 53 34.294 - 001 35.929. Distance to Turbine = 456.53m. Elevation = 147m. Heading 203.84.

See additional notes.


Location 3. OSGB: SE26786 - 08338. Lat/Lon: 53 34.294 - 001 35.929. Distance to Turbine = 473.30m. Elevation = 134m. Heading 220.68 deg

Location 4. OSGB: SE27146 - 07242. Lat/Lon: 53 33.666 - 001 35.499. Distance to Turbine = 994.83m Elevation = 120m. Heading 318.22 deg.

Location 5. OSGB: SE26573 - 07283. Lat/Lon: 53 33.690 - 001 36.018. Distance to Turbine = 707.33m. Elevation 118m. Heading 352.60 deg.

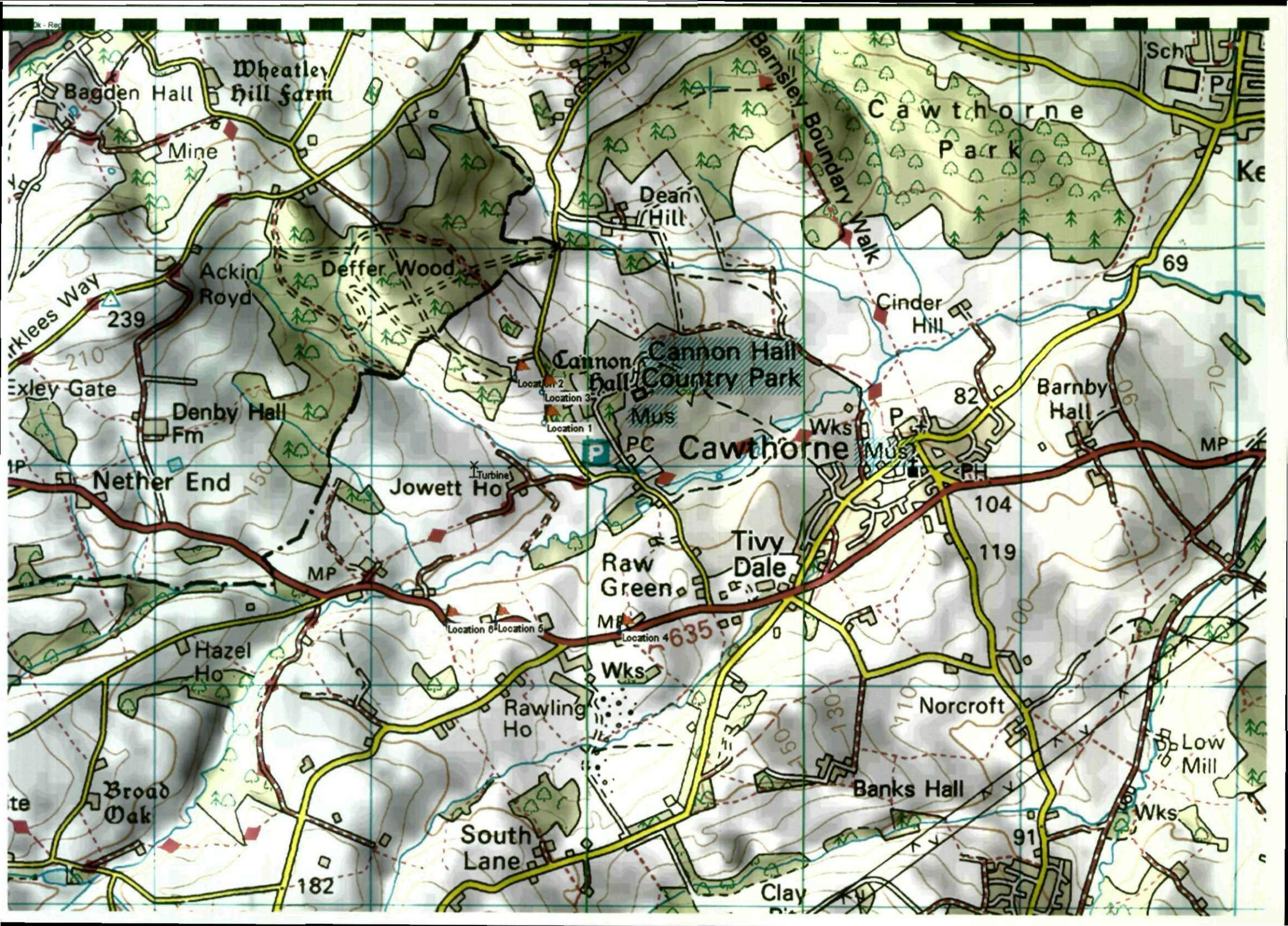
Note: The Turbine is partially masked by the tree and when in leaf will further mask it.

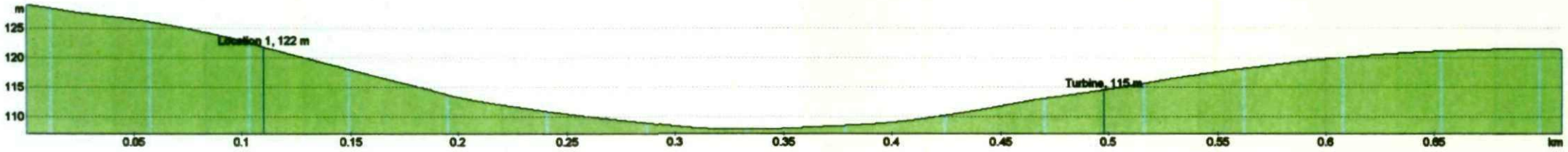

Location 6. OSGB: SE26342 - 07277. Lat/Lon: 53 33.687 - 001 36.227. Distance to Turbine = 719.96m. Location Elevation = 117m. Heading 10.90 deg.

Terrain Cross Profiles.

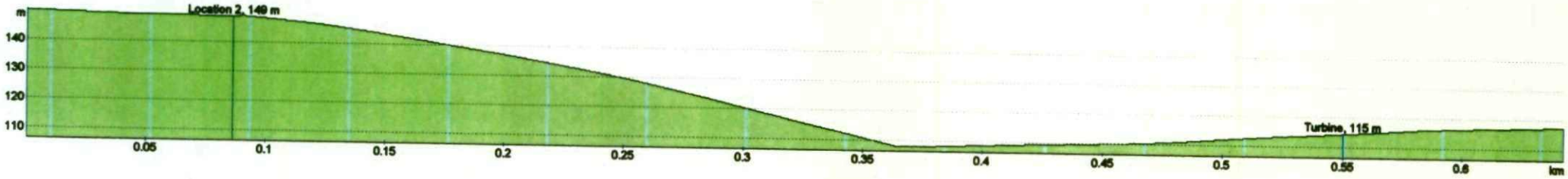
Profiles are in location numeric order.

Vertical exaggeration approx X2

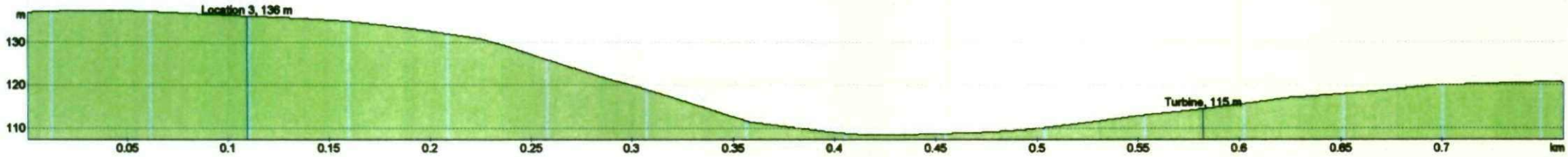

Wheatley Hill Farm
Bagden Hall
Mine
Barnsley Boundary Walk
Cawthorne Park
Dean Hill
Ackin Royd
Deffer Wood
239
Cinder Hill
69
Cannon Hall
Cannon Hall Country Park
Location 2
Location 3
Location 1
Exley Gate
Denby Hall Fm
Mus
Wks
P
PC
Cawthorne
82
Barnby Hall
MP
Nether End
Turbine
Jowett Ho
PH
104
119
Tivy Dale
Raw Green
MP
Location 6
Location 5
Location 4
635
Hazel Ho
Wks
Rawling Ho
Norcroft
Low Mill
Banks Hall
Broad Oak
South Lane
91
182
Clay



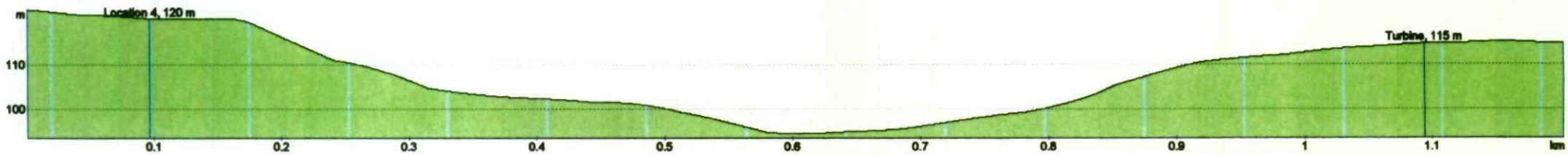
Terrain Cross Profile. Location 1 to Turbine. Vertical Exaggeration approx X2



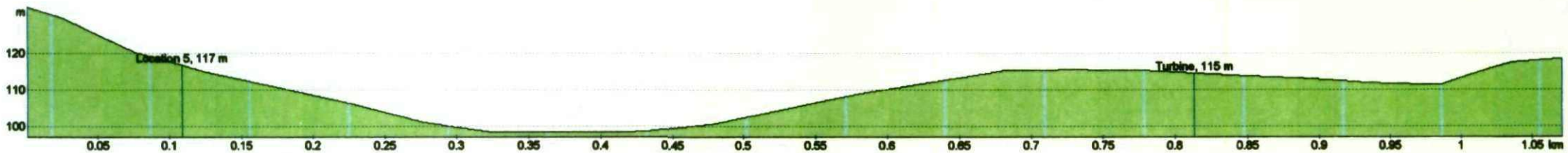
Terrain Cross Profile. Location 2 to Turbine. Vertical Exaggeration approx x2



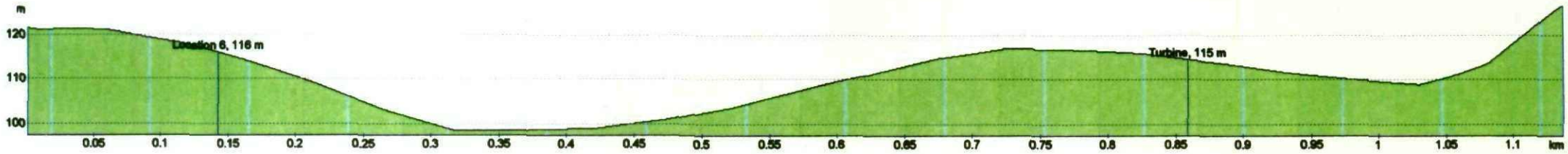
Terrain Cross Profile. Location 3 to Turbine. Vertical Exaggeration approx X2



Terrain Crossprofile. Location 4 to Turbine. Vertical Exaggeration X2



Terrian Cross Profile. Location 5 to Turbine. Verical exaggeration approx x2



Terrain Crossprofile. Location 6 to Turbine. Verticla Exaggeration X2