



RIBBLE VALLEY
BOROUGH COUNCIL

Council Offices, Church Walk, Clitheroe, Lancashire. BB7 2RA Tel: 01200 425111 www.ribblevalley.gov.uk

For office use only

Application No.

Date received 320120526 P

Fee paid £

Receipt No:

Application for Planning Permission.
Town and Country Planning Act 1990

15 JUN 2012

FOR THE
ATTENTION OF

Publication of applications on planning authority websites.

Please note that the information provided on this application form and in supporting documents may be published on the Authority's website. If you require any further clarification, please contact the Authority's planning department.

1. Applicant Name, Address and Contact Details

Title:	Mr	First name:	Mark	Surname:	Gornall	
Company name:						
Street address:	Laneside Farm			Country Code	National Number	Extension Number
	Pendleton			Telephone number:		
				Mobile number:		
Town/City:	Clitheroe			Fax number:		
County:	Lancashire			Email address:		
Country:	UK					
Postcode:	BB7 1PU					
Are you an agent acting on behalf of the applicant? ☒ Yes ☐ No						

2. Agent Name, Address and Contact Details

Title:	Dr	First Name:	Paul	Surname:	Mason		
Company name:	Windle Beech Winthrop Limited						
Street address:	Skipton Auction Mart			Country Code	National Number	Extension Number	
	Gargrave Road			Telephone number:	01756	692900	210
				Mobile number:			
Town/City:	Skipton			Fax number:			
County:	North Yorkshire			Email address:			
Country:	United Kingdom						
Postcode:	BD23 1UD				paul.mason@wbwsurveyors.co.uk		

3. Description of the Proposal

Please describe the proposed development including any change of use:

15kW Micro Wind Turbine on a 20m monopole, for business use

Has the building, work or change of use already started?

☐ Yes ☒ No

4. Site Address Details

Full postal address of the site (including full postcode where available)

House:		Suffix:	
House name:	Laneside Farm		
Street address:	Pendleton		
Town/City:	Clithore		
County:	Lancashire		
Postcode:	BB7 1PU		

Description of location or a grid reference
(must be completed if postcode is not known):

Easting:	377285
Northing:	441054

Description:

Small Scale 15kW Wind Turbine on a 20m Hub for Agricultural Business Use

5. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application? ☒ Yes ☐ No

If Yes, please complete the following information about the advice you were given (this will help the authority to deal with this application more efficiently):

Officer name:

Title: Mr First name: Graeme Surname: Thorpe

Reference: 3/2012/0077P

Date (DD/MM/YYYY): 08/03/2012 (Must be pre-application submission)

Details of the pre-application advice received:

On site meeting with Graeme Thorpe and AONB Officer (S Brereton) to look at proposed changes to previous application (3/2011/0361/P) at the site. An alternative location lower down the hill was agreed to provide more natural screening and a lesser visual impact than the previous site.

5. Pedestrian and Vehicle Access, Roads and Rights of Way

Is a new or altered vehicle access proposed to or from the public highway? ☐ Yes ☒ No

Is a new or altered pedestrian access proposed to or from the public highway? ☐ Yes ☒ No

Are there any new public roads to be provided within the site? ☐ Yes ☒ No

Are there any new public rights of way to be provided within or adjacent to the site? ☐ Yes ☒ No

Do the proposals require any diversions/extinguishments and/or creation of rights of way? ☐ Yes ☒ No

7. Waste Storage and Collection

Do the plans incorporate areas to store and aid the collection of waste? ☐ Yes ☒ No

Have arrangements been made for the separate storage and collection of recyclable waste? ☐ Yes ☒ No

3. Authority Employee/Member

With respect to the Authority, I am:

- (a) a member of staff
- (b) an elected member
- (c) related to a member of staff
- (d) related to an elected member

Do any of these statements apply to you? ☐ Yes ☒ No

9. Materials

Please state what materials (including type, colour and name) are to be used externally (if applicable):

9. (Materials continued)

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Others - description:

Type of other material:

Wind Turbine

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

The tower will be a tapered monopole made of galvanised metal, all other parts will be grey composite materials.

Are you supplying additional information on submitted plan(s)/drawing(s)/design and access statement?

☒ Yes ☐ No

If Yes, please state references for the plan(s)/drawing(s)/design and access statement:

Site and Block Plan 1:2500
 Site Location Plan 1:10 000
 20kW, 20m Hub Tower Drawing
 20kw Noise Assessment
 Design and Access Statement
 Landscape & Visual Impact Assessment
 Ecology Survey (Bat & Bird)

10. Vehicle Parking

Please provide information on the existing and proposed number of on-site parking spaces:

Type of vehicle	Existing number of spaces	Total proposed (including spaces retained)	Difference in spaces
Cars	0	0	0
Light goods vehicles/public carrier vehicles	0	0	0
Motorcycles	0	0	0
Disability spaces	0	0	0
Cycle spaces	0	0	0
Other (e.g. Bus)	0	0	0
Short description of Other			

11 Foul Sewage

Please state how foul sewage is to be disposed of:

Mains sewer

☐

Package treatment plant

☐

Unknown

☐

Septic tank

☐

Cess pit

☐

Other

n/a

Are you proposing to connect to the existing drainage system?

☐ Yes ☒ No ☐ Unknown

12. Assessment of Flood Risk

Is the site within an area at risk of flooding? (Refer to the Environment Agency's Flood Map showing flood zones 2 and 3 and consult Environment Agency standing advice and your local planning authority requirements for information as necessary)

☐ Yes ☒ No

If Yes you will need to submit an appropriate flood risk assessment to consider the risk to the proposed site

Is your proposal within 20 metres of a watercourse (e.g. river, stream or beck)?

☐ Yes ☒ No

Will the proposal increase the flood risk elsewhere?

☐ Yes ☒ No

How will surface water be disposed of?

☒ Sustainable drainage system☐ Main sewer☐ Pond/lake☐ Soakaway☒ Existing watercourse

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13. Biodiversity and Geological Conservation

To assist in answering the following questions refer to the guidance notes for further information on when there is a reasonable likelihood that any important biodiversity or geological conservation features may be present or nearby and whether they are likely to be affected by your proposals.

Having referred to the guidance notes, is there a reasonable likelihood of the following being affected adversely or conserved and enhanced within the application site, OR on land adjacent to or near the application site:

a) Protected and priority species

☐ Yes, on the development site ☐ Yes, on land adjacent to or near the proposed development ☒ No

b) Designated sites, important habitats or other biodiversity features

☐ Yes, on the development site ☐ Yes, on land adjacent to or near the proposed development ☒ No

c) Features of geological conservation importance

☐ Yes, on the development site ☐ Yes, on land adjacent to or near the proposed development ☒ No

14. Existing Use

Please describe the current use of the site:

Agricultural Land

Is the site currently vacant? ☐ Yes ☒ No

Does the proposal involve any of the following?

If yes, you will need to submit an appropriate contamination assessment with your application.

Land which is known to be contaminated? ☐ Yes ☒ No

Land where contamination is suspected for all or part of the site? ☐ Yes ☒ No

A proposed use that would be particularly vulnerable to the presence of contamination? ☐ Yes ☒ No

15. Trees and Hedges

Are there trees or hedges on the proposed development site? ☐ Yes ☒ No

And/or: Are there trees or hedges on land adjacent to the proposed development site that could influence the development or might be important as part of the local landscape character?

☐ Yes ☒ No

If Yes to either or both of the above, you may need to provide a full Tree Survey, at the discretion of your local planning authority. If a Tree Survey is required, this and the accompanying plan should be submitted alongside your application. Your local planning authority should make clear on its website what the survey should contain in accordance with the current 'BS5837: Trees in relation to construction - Recommendations'.

16. Trade Effluent

Does the proposal involve the need to dispose of trade effluents or waste? ☐ Yes ☒ No

17. Residential Units

Does your proposal include the gain or loss of residential units? ☐ Yes ☒ No

18. All Types of Development: Non-residential Floorspace

Does your proposal involve the loss, gain or change of use of non-residential floorspace? ☐ Yes ☒ No

19. Employment

If known, please complete the following information regarding employees:

	Full-time	Part-time	Equivalent number of full-time
Existing employees	0	0	0
Proposed employees	0	0	0

20. Hours of Opening

If known, please state the hours of opening for each non-residential use proposed:

Use	Monday to Friday		Saturday		Sunday and Bank Holidays		Not Known
	Start Time	End Time	Start Time	End Time	Start Time	End Time	

21. Site Area

What is the site area?

00.02

hectares

22. Industrial or Commercial Processes and Machinery

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Please describe the activities and processes which would be carried out on the site and the end products including plant ventilation or air conditioning. Please include the type of machinery which may be installed on site:

Installation of 20kW turbine, using teleporter and excavator.
Cable trench dug using small excavator.

Is the proposal for a waste management development?

☐ Yes ☒ No

23. Hazardous Substances

Is any hazardous waste involved in the proposal?

☐ Yes ☒ No

24. Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?

☒ Yes ☐ No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact? (Please select only one)

☒ The agent ☐ The applicant ☐ Other person

25. Certificates (Certificate A)

Certificate of Ownership - Certificate A

Town and Country Planning (Development Management Procedure) (England) Order 2010 Certificate under Article 12

I certify/The applicant certifies that on the day 21 days before the date of this application nobody except myself/ the applicant was the owner (owner is a person with a freehold interest or leasehold interest with at least 7 years left to run) of any part of the land or building to which the application relates.

Title: Dr First name: Paul Surname: Mason

Person role: Agent

Declaration date: 30/05/2012

☒ Declaration made

25. Certificates (Agricultural Land Declaration)

Agricultural Land Declaration

Town and Country Planning (Development Management Procedure) (England) Order 2010 Certificate under Article 12

Agricultural Land Declaration - You Must Complete Either A or B

(A) None of the land to which the application relates is, or is part of an agricultural holding.

(B) I have/The applicant has given the requisite notice to every person other than myself/the applicant who, on the day 21 days before the date of this application, was a tenant of an agricultural holding on all or part of the land to which this application relates, as listed below:

If any part of the land is an agricultural holding, of which the applicant is the sole tenant, the applicant should complete part (B) of the form by writing 'sole tenant - not applicable' in the first column of the table below

Title: Dr First Name: Paul Surname: Mason

Person role: Agent

Declaration date: 30/05/2012

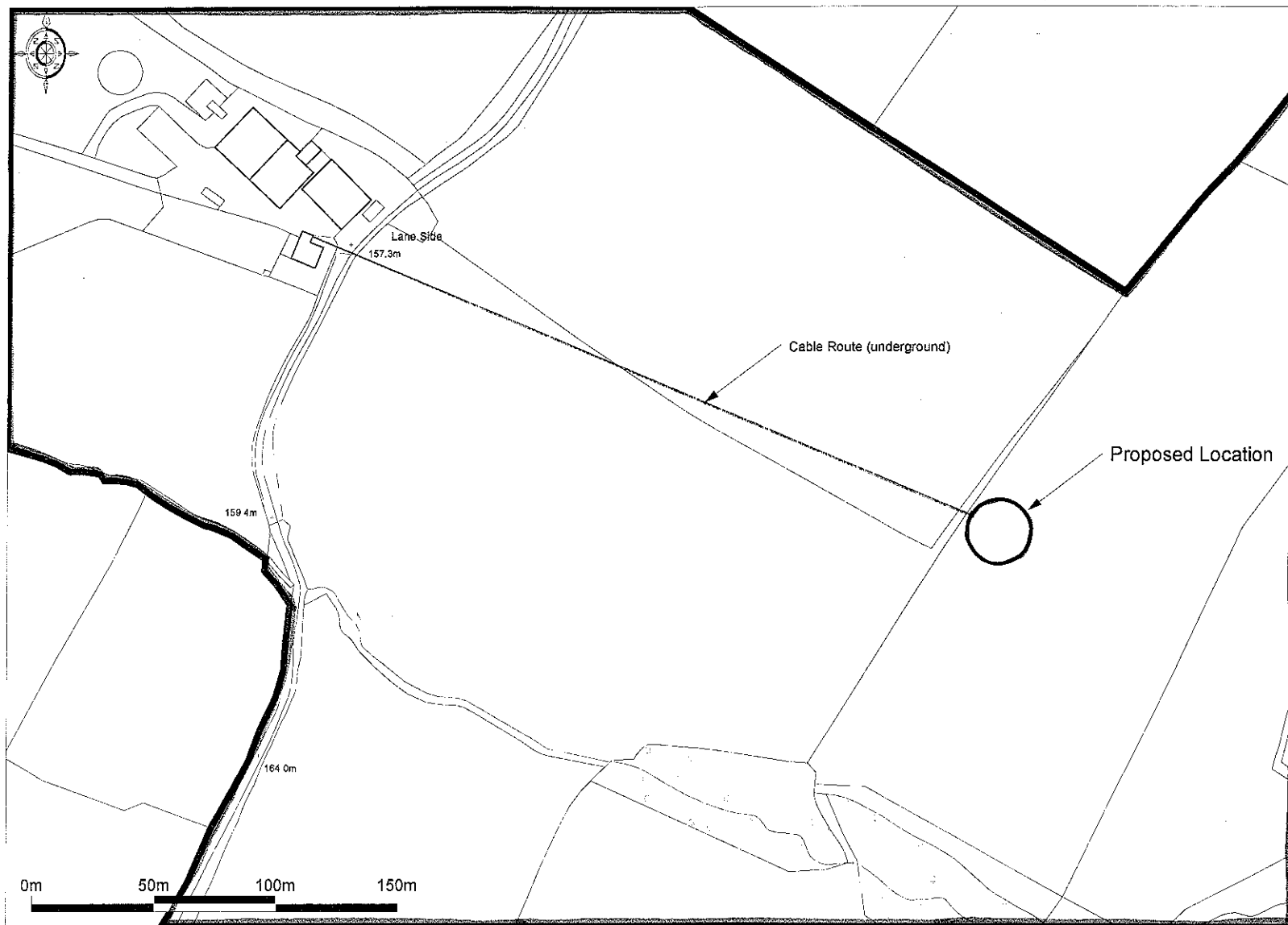
☒ Declaration Made

26. Declaration

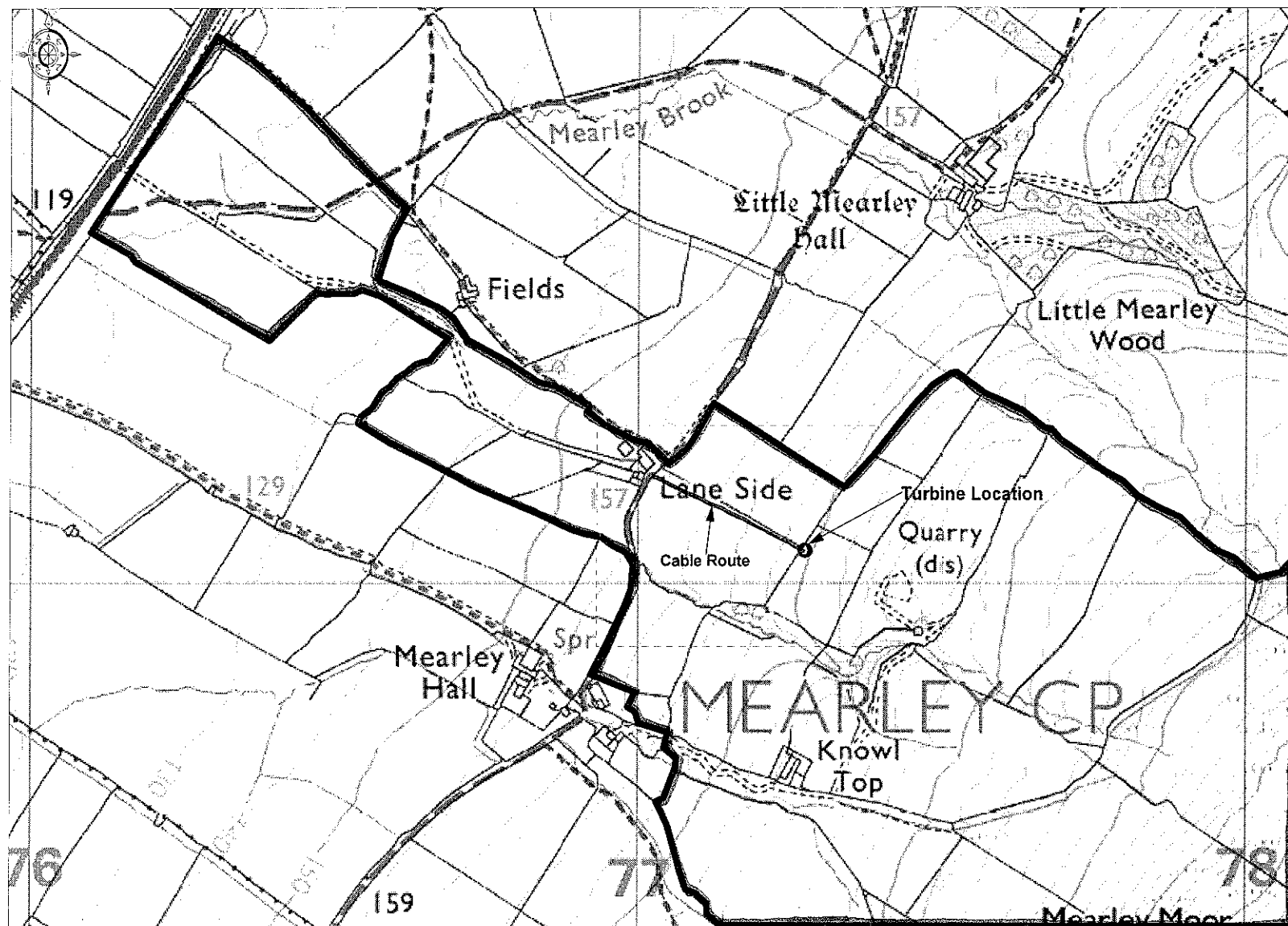
I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information



Date: 30/05/2012



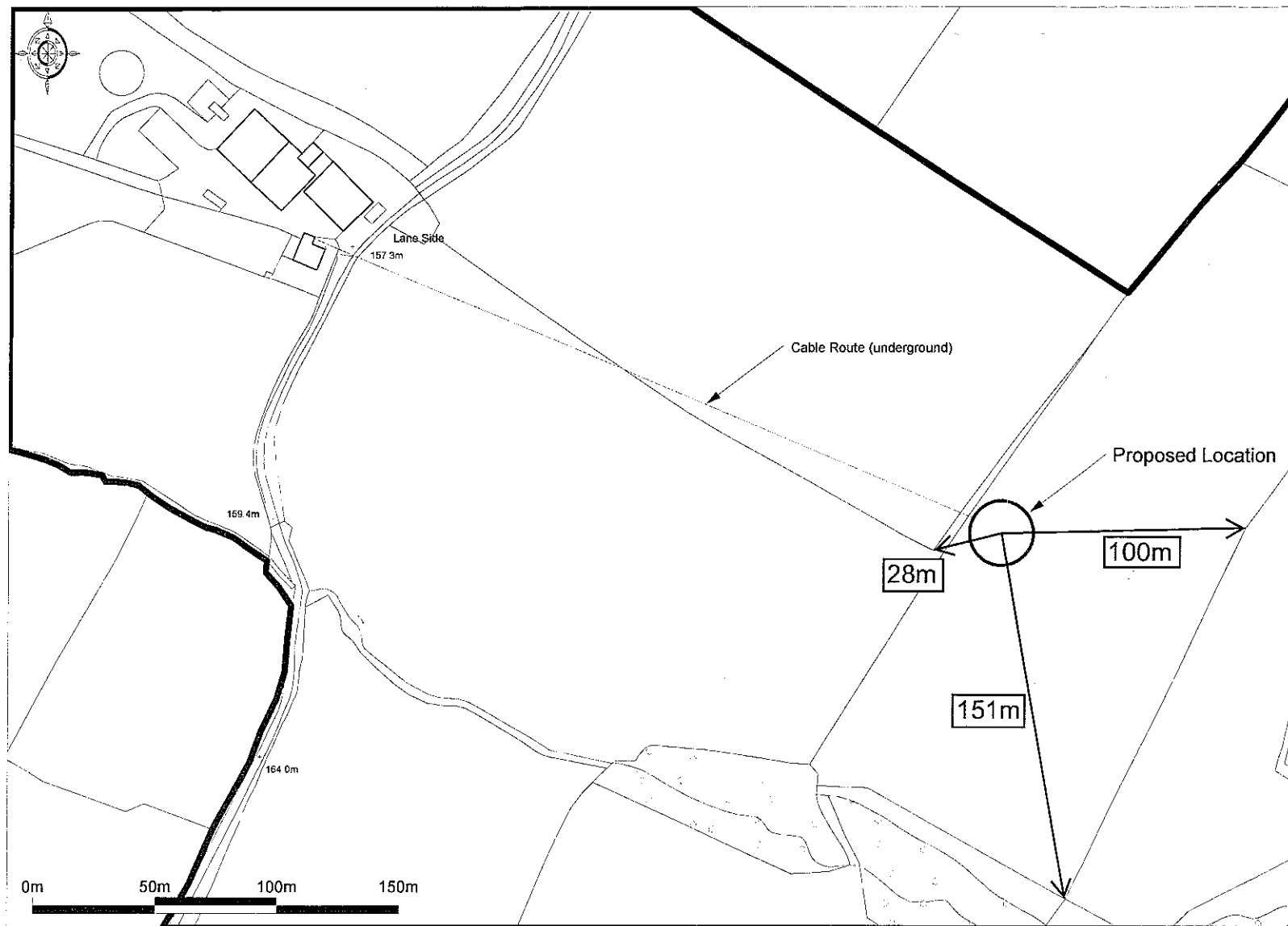
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Acoustic Report

Fire enclosure testing
Envelope design review
Acoustics

Air sealing
Thermographic surveying
Equipment supply

Summary of Acoustic Measurements

CF20-20m mast

C&F Facility, Co. Galway

23rd Sept 2010

Report Version 1.0

Prepared for: **320120526P**
C&F Green Energy

Assessed by:
Martyn Bailey MSc MIOA



Introduction

The following report is based upon measurements taken by C&F Green Energy. The measurements have been assessed by Stroma technology Ltd and comply with the requirements of BS EN 61400 – 11: 2003.

Test Details

Wind Turbine Model: CF20
Max Output: 20KW
Rotor Diameter: 12.8m
Mast Height: 20m
Location: C&F Facility, Athenry, Co. Galway
Date of tests: 9th August - 13th Sept
SLM: Larson Davis 824 with narrow band module

Test Setup

All acoustic measurements were conducted in accordance with IEC 61400-11:2002. The BWEA have also published a standard that addresses wind turbine noise assessment and the acoustic measurement technique is largely based on the IEC standard. The output data are presented in the format requested by the BWEA standard since this is typically most appropriate for planning purposes in the UK.

The microphone is located downwind at ground level facing the turbine at a distance of 26.4m which is the mast height plus the rotor radius. The microphone is placed on a piece of plywood and covered with a hemispherical wind shield. Acoustic and wind data are recorded while the wind turbine is active and also when shut down so that background noise can be assessed.

Acoustic measurements were taken as 1 minute Leq A-weighted readings. All measurements were recorded with 1/3 octave definition.

Wind velocity was measured using an anemometer on a 15m pole. Presented data are scaled to the height of the rotor axis.

Results

As specified in the BWEA standard, the 1/3 octave acoustic levels for all measurements were analysed to identify any tonal contribution. In this respect, no tonal content was present.

Several key metrics are required by the BWEA standard.

These are:

Key BWEA Metrics	
Sound Power at 8m/s	87.5 dBA
Sound Power vs Velocity slope	3.1 dBA / (m/s)
Sound Pressure at 8m/s	
Distance 25m	51.5 dBA
Distance 60m	44.0 dBA

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In Figure 1, the acoustic data is presented as a function of nacelle height wind speed. Data are presented for both the background noise and the combined turbine & background noise cases. A linear regression is performed on both sets of data.

In Figure 2, the A-weighted sound pressure level of the wind turbine is adjusted to account for background noise and presented as a function of velocity.

In Figure 3, the A-weighted sound power level is presented as a function of wind speed.

In Figure 4, a contour plot shows the relationship of sound pressure to wind speed and distance. The distance here is measured from the centre of the mast. The data for this plot is derived from an interpolation where spherical propagation is assumed.

Finally, on the last page of the report, the above data are presented in the recommended BWEA format. The stated power level and field plot have been adjusted to account for an uncertainty penalty of 1.5dBA.

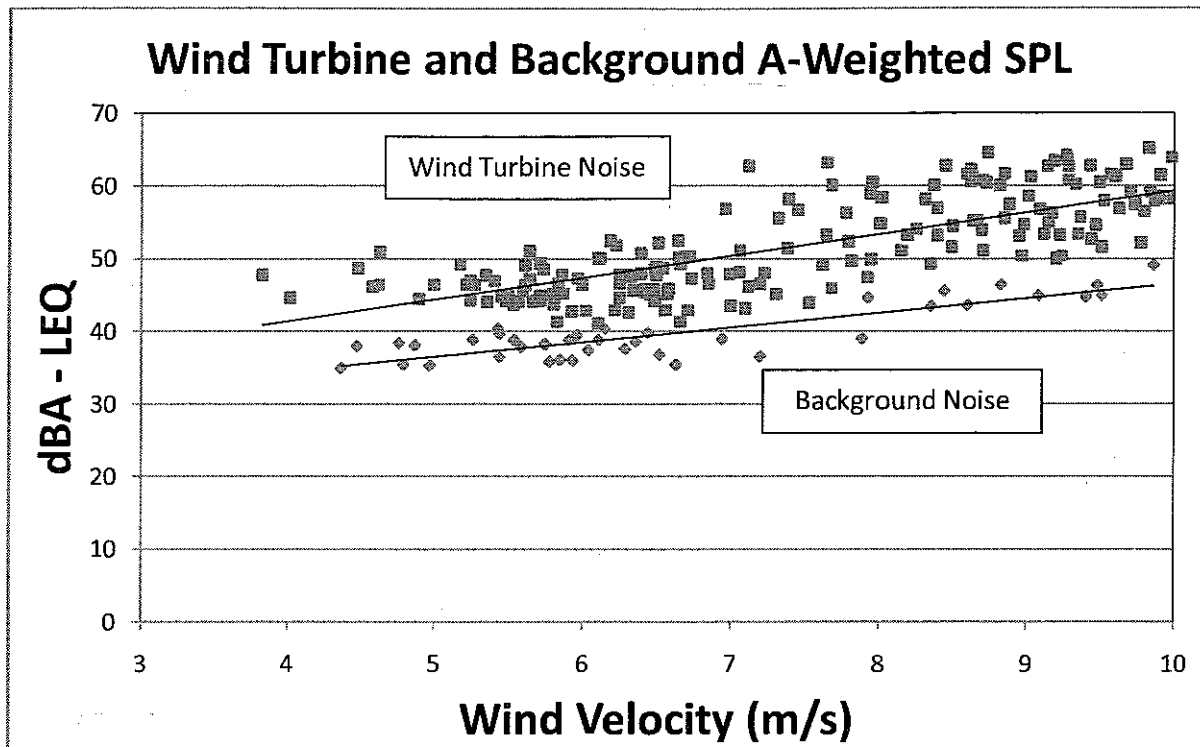


Figure 1: Wind turbine and background noise data as a function of nacelle height wind velocity.

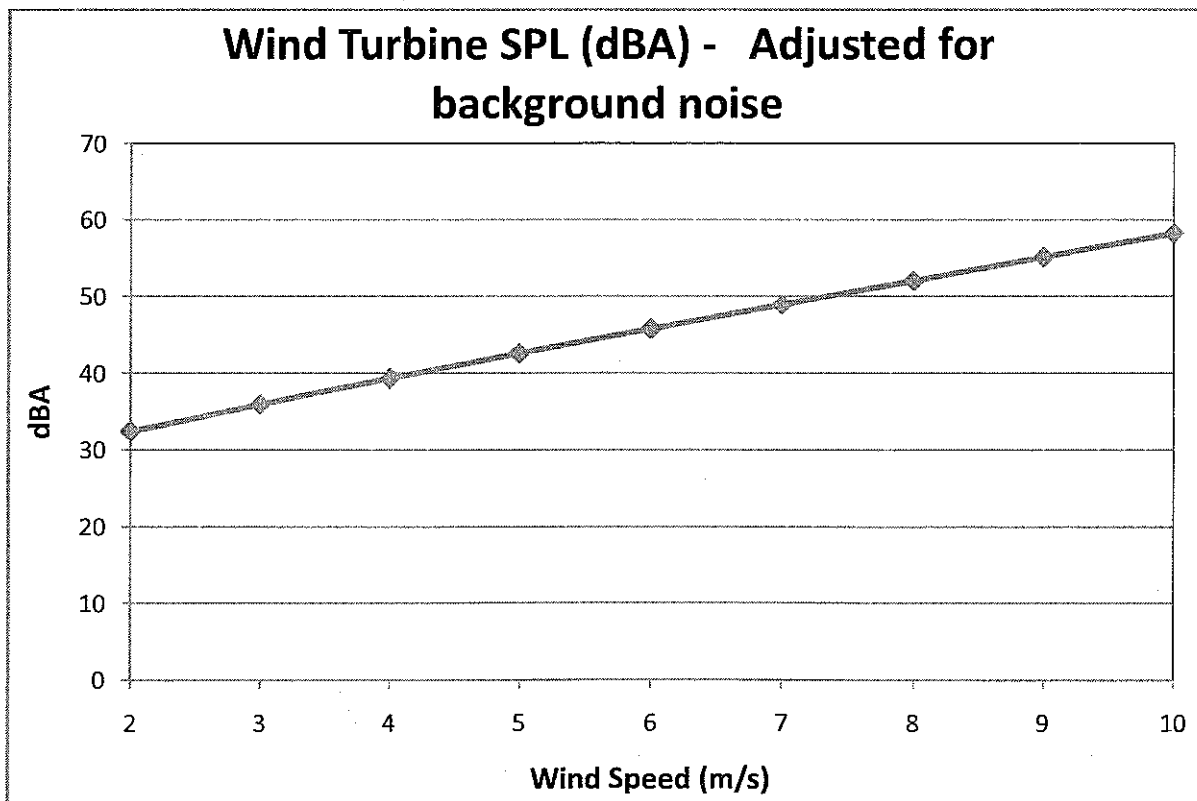


Figure 2: A-Weighted Sound Pressure Level as a function of nacelle height wind velocity.

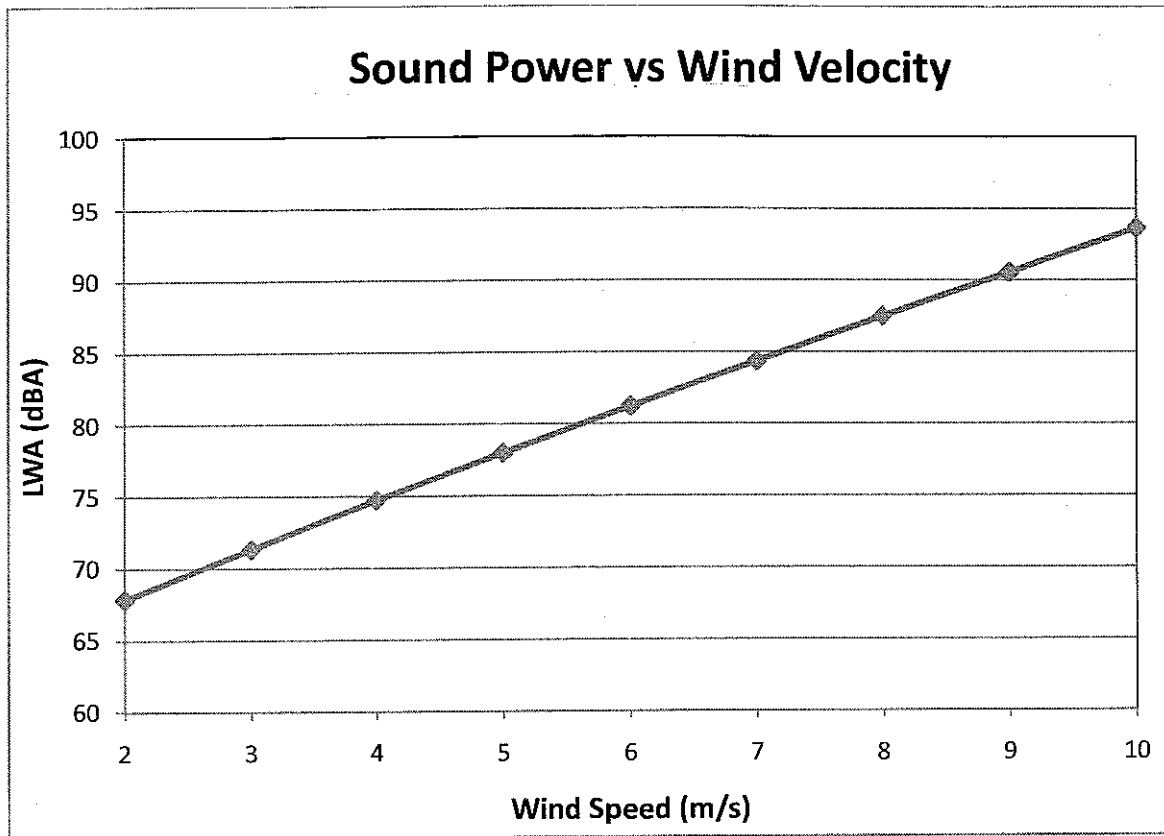


Figure 3: A-Weighted Sound Power Level as a function of nacelle height wind velocity.

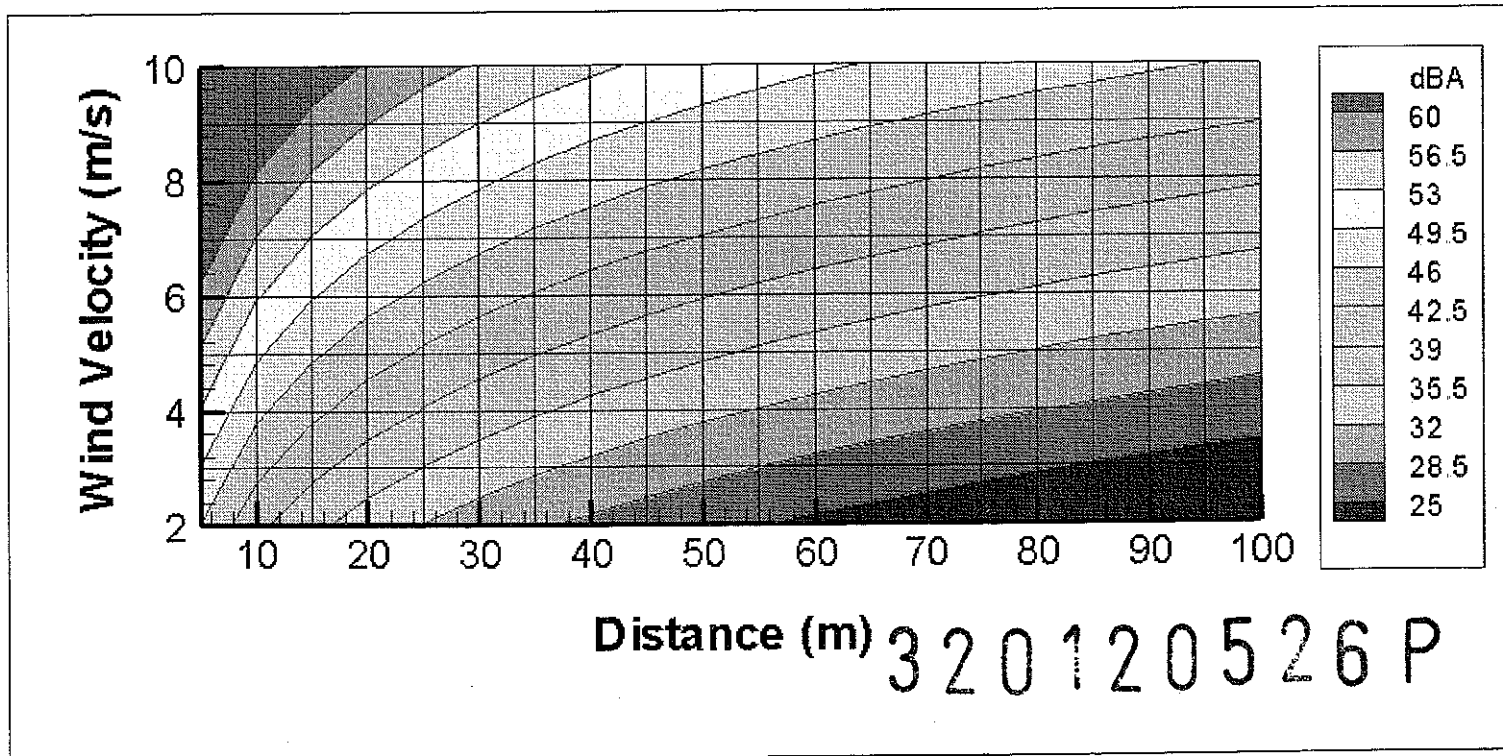
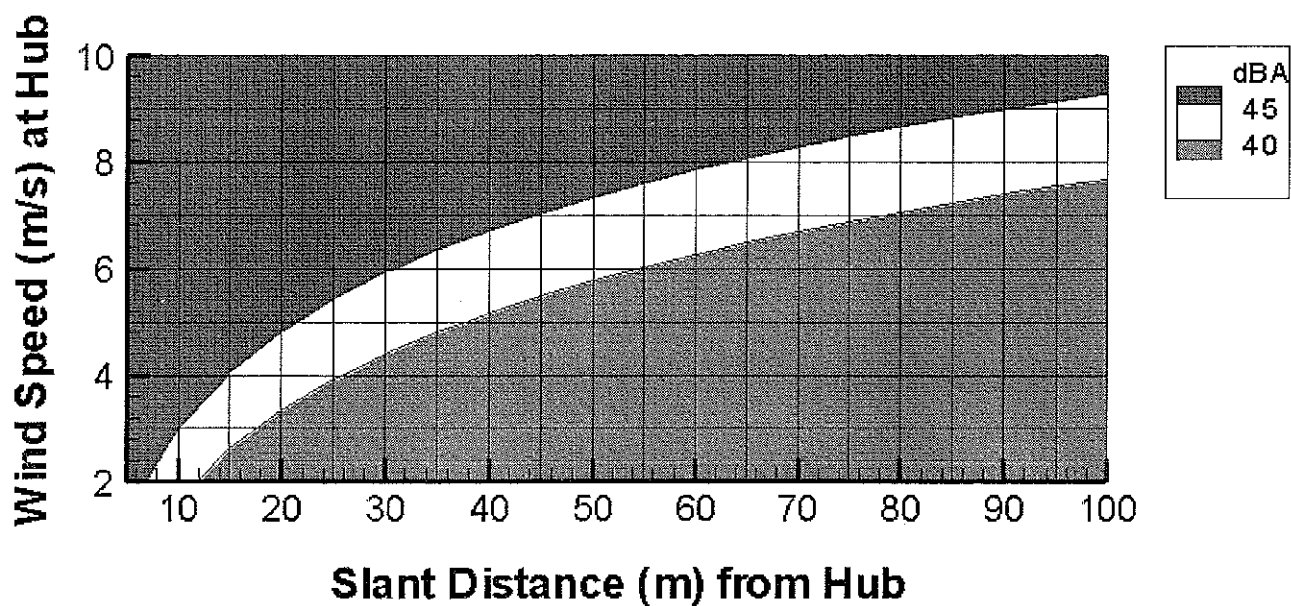


Figure 4: A-Weighted Sound Pressure Level as a function of wind velocity and distance from turbine.

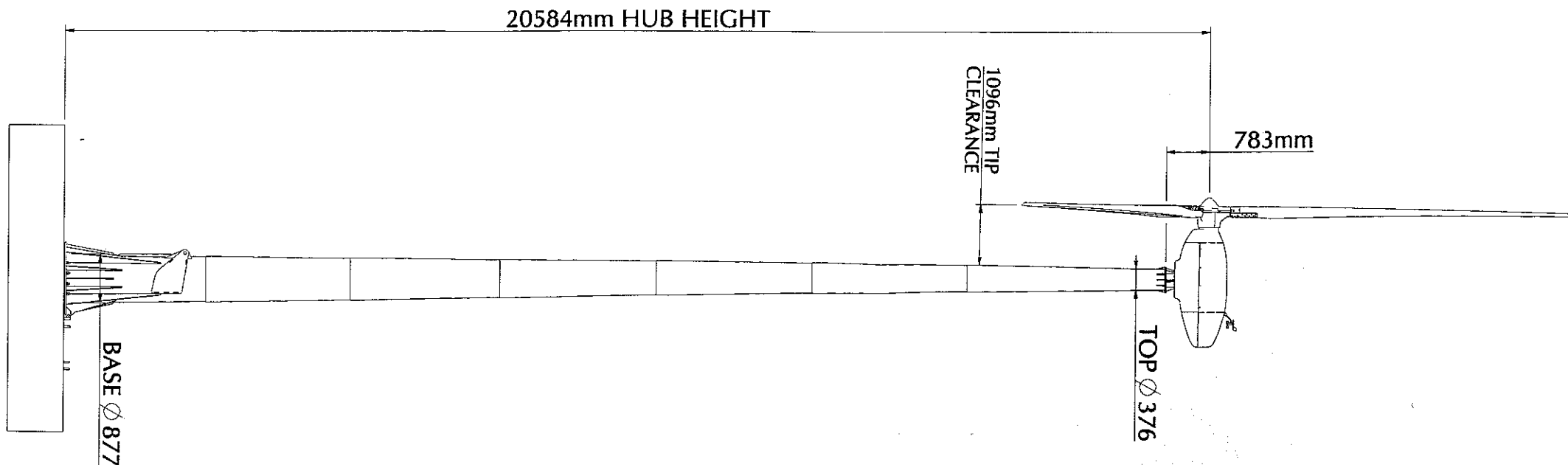
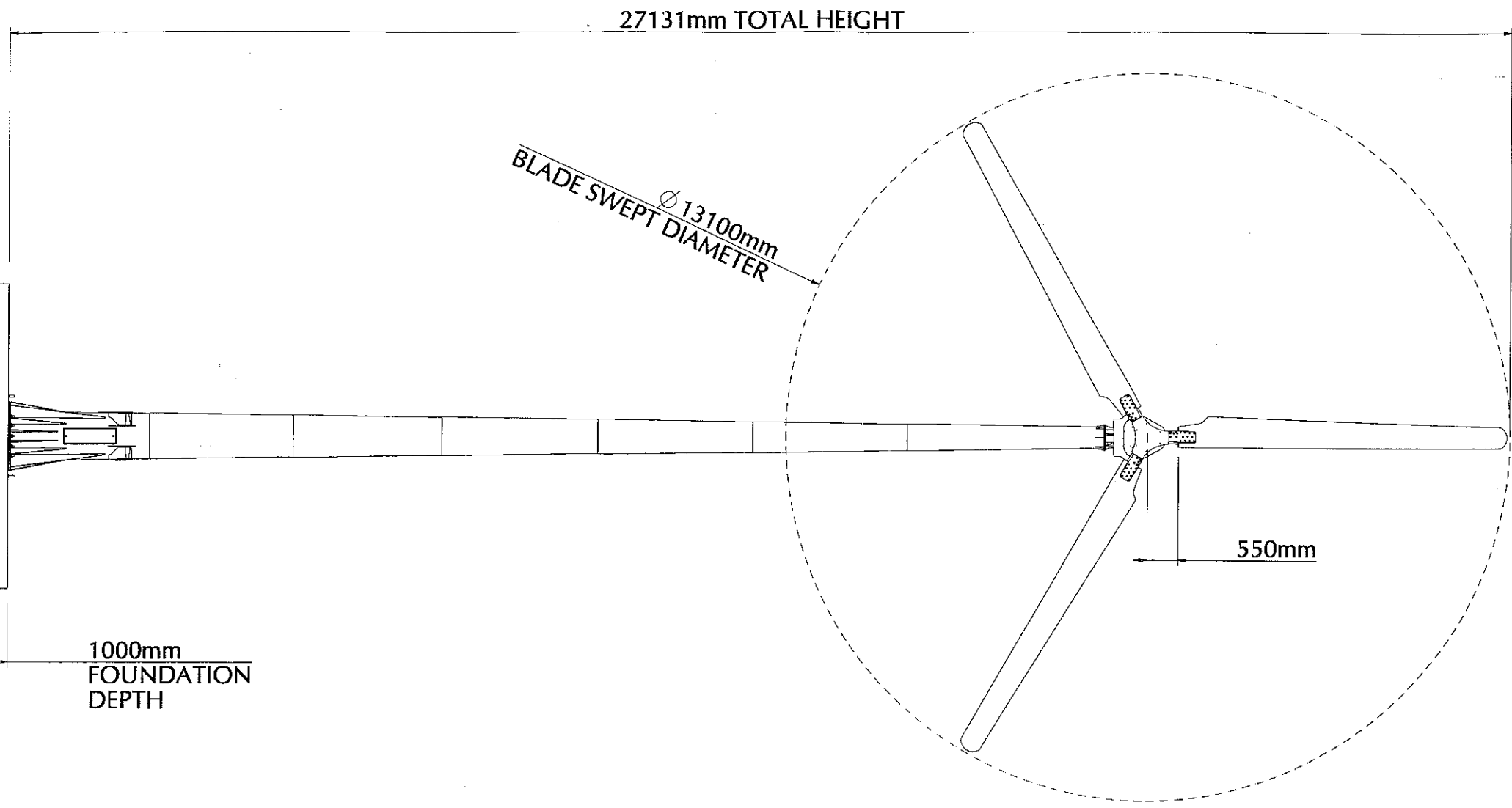
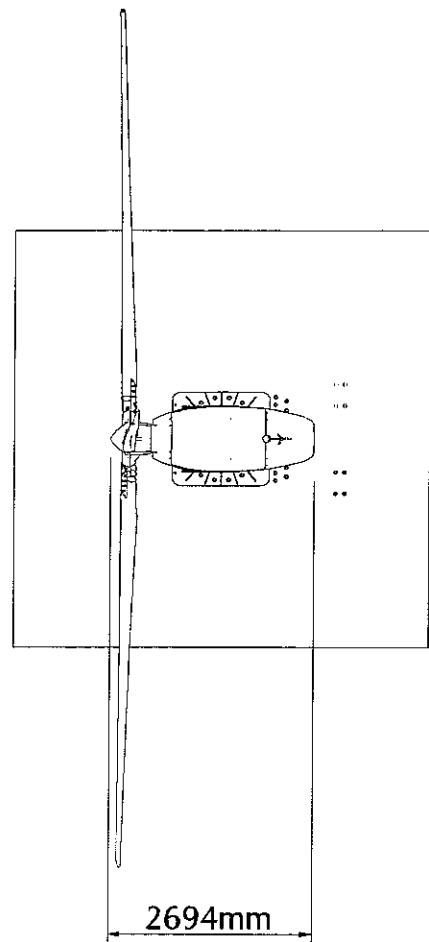
Acoustic Noise Levels

Turbine Make:	C&F Green Energy	Model	CF20
NOISE EMISSION LEVEL			NOISE PENALTY
Sound Power $L_{Wd,8m/s}$	88.95 dB(A)	Noise Slope (dB/m/s)	3.09
			NO



C&F Test Site, Galway

Issued by Stroma Technology
September 2010



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C&F Green-Energy 				CF15e	
DESCRIPTION: OVERALLS / PLANNING				QTY PER UNIT: -	
MATERIAL:	Mast: S275 Galv			SCALE:	1:100
DRAWN:	C O'Neill	PAINT:	-		
CHECKED:	-	FINISH:	-		
DATE:	17-Feb-11	SHEET:	1 OF 1		
				DWG SIZE: A3	
THESE DOCUMENTS ARE THE PROPERTY OF C&F GREEN-ENERGY LTD. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM C&F GREEN-ENERGY LTD.				DRAWING COUNCILS TO: 04/01/2011	

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PHOTO MONTAGE SPECIFICATION

Focal Length: 42mm

Range: 252m Direction: ESE

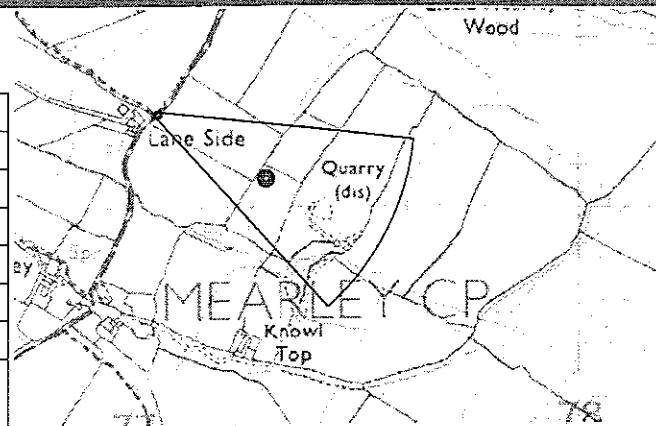
Height Above Ground: 1.6m

Date Taken: 29 Apr 2012

Camera: Olympus EPL112.3mp

Lens: m-Zuiko Digital 14-42mm

Viewing Distance on A3: 400mm



wbw Windle
Beech
Winthrop

Dwg No.: MG - VPA

Title: Viewpoint Analysis
Viewpoint 1

Range: 252m Direction: ESE

Date: 17th May 2012

Produced by: P.Mason

Issue Number: 1

320120526P



PHOTO MONTAGE SPECIFICATION

Focal Length: 42mm

Range: 1425m Direction: WSW

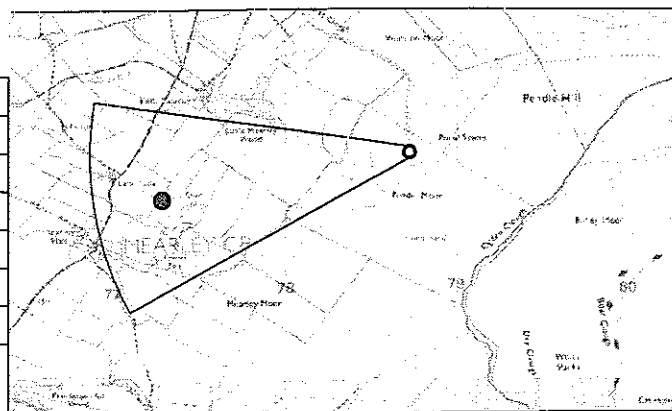
Height Above Ground: 1.6m

Date Taken: 29 Apr 2012

Camera: Olympus EPL112.3mp

Lens: m-Zuiko Digital 14-42mm

Viewing Distance on A3: 400mm



wbw Windle
Beech
Winthrop

Dwg No.: MG - VPA

Title: Viewpoint Analysis
Viewpoint 2

Range: 1425m Direction: WSW

Date: 17th May 2012

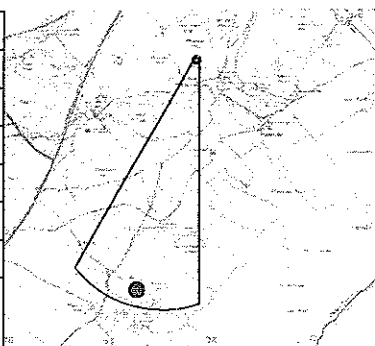
Produced by: P.Mason

Issue Number: 1

320120526P

Turbine Location

PHOTO MONTAGE SPECIFICATION
Focal Length: 42mm
Range: 2366m | Direction: SSW
Height Above Ground: 1.6m
Date Taken: 29 Apr 2012
Camera: Olympus EPL112.3mp
Lens: m-Zuiko Digital 14-42mm
Viewing Distance on A3: 400mm



wbw Windle
Beech
Winthrop
Dwg No.: MG - VPA
Title: Viewpoint Analysis
Viewpoint 3
Range: 2366m | Direction: SSW
Date: 17th May 2012
Produced by: P.Mason
Issue Number: 1



PHOTO MONTAGE SPECIFICATION

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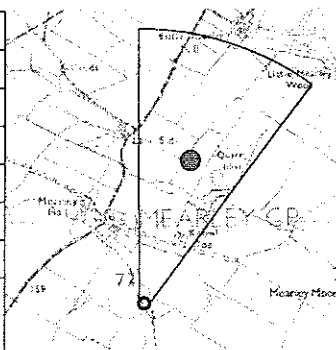
Height Above Ground: 1.6m

Date Taken: 29 Apr 2012

Camera: Olympus EPL112.3mp

Lens: m-Zuiko Digital 14-42mm

Viewing Distance on A3: 400mm



wbw Windle
Beech
Winthrop

Dwg No.: MG - VPA

Title: Viewpoint Analysis
Viewpoint 4

Range: 690m Direction: NNE

Date: 17th May 2012

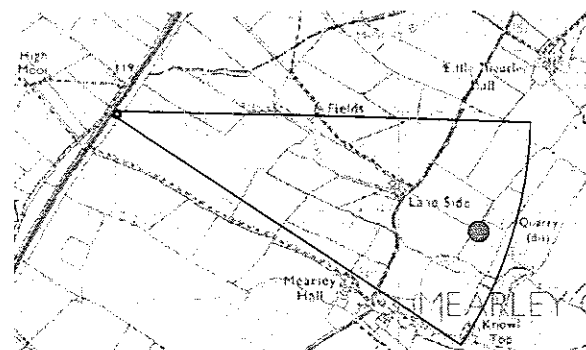
Produced by: P.Mason

Issue Number: 1

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PHOTO MONTAGE SPECIFICATION
Focal Length: 42mm
Range: 1358m Direction: ESE
Height Above Ground: 1.6m
Date Taken: 29 Apr 2012
Camera: Olympus EPL112.3mp
Lens: m-Zuiko Digital 14-42mm
Viewing Distance on A3: 400mm



wbw Windle
Beech
Winthrop
Dwg No.: MG - VPA
Title: Viewpoint Analysis
Viewpoint 5
Range: 1358m Direction: ESE
Date: 17th May 2012
Produced by: P.Mason
Issue Number: 1

320120526P

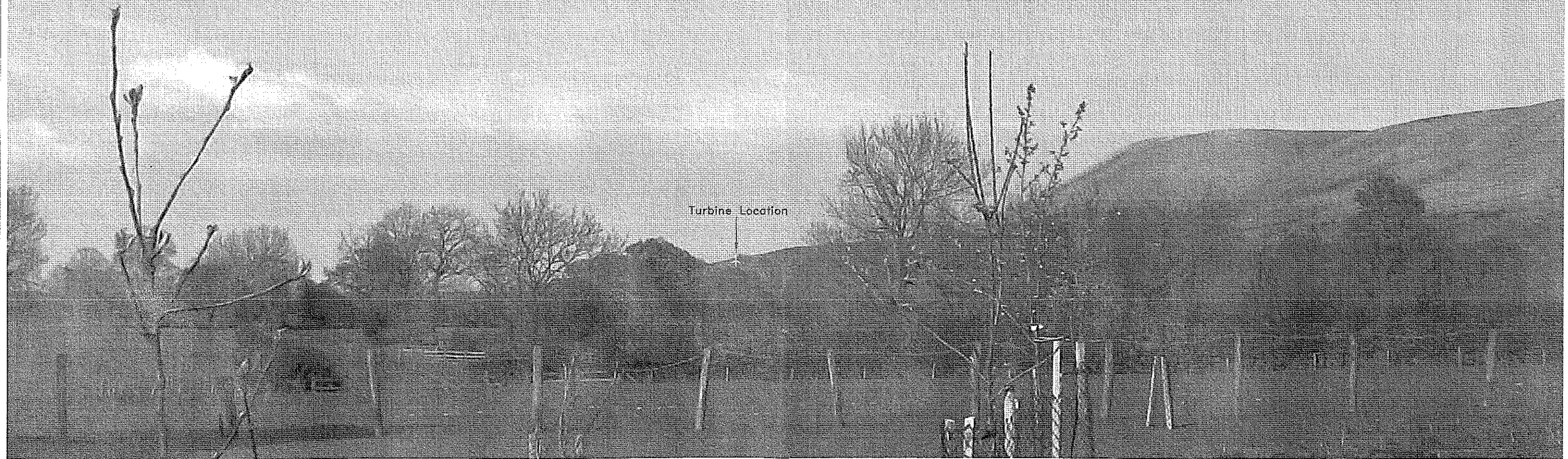


PHOTO MONTAGE SPECIFICATION

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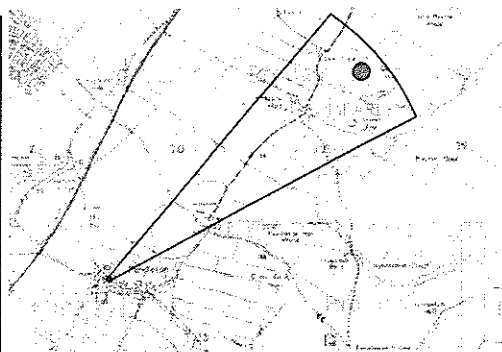
Height Above Ground: 1.6m

Date Taken: 29 Apr 2012

Camera: Olympus EPL112.3mp

Lens: m-Zuiko Digital 14-42mm

Viewing Distance on A3: 400mm



wbw Windle
Beech
Winthrop

Dwg No.: MG - VPA

Title: Viewpoint Analysis
Viewpoint 6

Range: 2282m Direction: NE

Date: 17th May 2012

Produced by: P.Mason

Issue Number: 1

320120526P



PHOTO MONTAGE SPECIFICATION

Focal Length: 42mm

Range: 3120m Direction: E

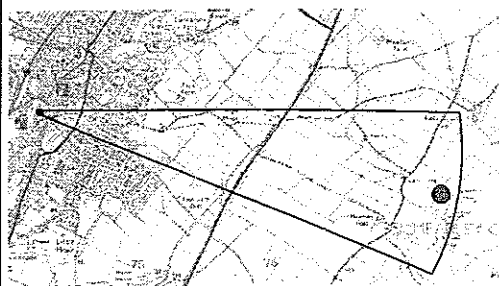
Height Above Ground: 1.6m

Date Taken: 29 Apr 2012

Camera: Olympus EPL112.3mp

Lens: m-Zuiko Digital 14-42mm

Viewing Distance on A3: 400mm



wbw Windle
Beech
Winthrop

Dwg No.: MG - VPA

Title: Viewpoint Analysis
Viewpoint 7

Range: 3120m Direction: E

Date: 17th May 2012

Produced by: P.Mason

Issue Number: 1