

Viewpoint Parameters

OS reference:	E135 903, N920 199
Ground Level Elevation:	41m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	8°
Distance to nearest turbine:	10,780m
Number of blade tips theoretically visible <sup>4</sup> :	35
Number of hubs theoretically visible <sup>4</sup> :	35
Date and time of viewpoint photography:	31/10/2018 @ 14:40
Camera:	Nikon D810
Lens:	50mm (Sigma 50mm 1:2.8 DG)

Information on the limitations of visualisations:

- Visualisations of wind farms have a number of limitations which you should be aware of when using them to form a judgement on a wind farm proposal. These include:
- A visualisation can never show exactly what the wind farm will look like in reality due to factors such as: different lighting, weather and seasonal conditions which vary through time and the resolution of the image;
  - The images provided give a reasonable impression of the scale of the turbines and the distance to the turbines, but can never be 100% accurate;
  - A static image cannot convey turbine movement, or flicker or reflection from the sun on the turbine blades as they move;
  - The viewpoints illustrated are representative of views in the area, but cannot represent visibility at all locations;
  - To form the best impression of the impacts of the wind farm proposal these images are best viewed at the viewpoint location shown;
  - The images must be printed at the right size to be viewed properly (260mm by 820mm);
  - You should hold the images flat at a comfortable arm's length. If viewing these images on a wall or board at an exhibition, you should stand at arm's length from the image presented.
  - The ZTV presented here takes no account of the screening effects of vegetation or buildings.

Additional notes:

1. This figure has been based on the following parameters:  
Turbine layout file: LSTORNOWAY045.WFL
  - Hub height: 105m/88m
  - Rotor diameter: 150m/136m
  - Height to blade tip: 180m/156m
2. Turbine positions could be subject to micro-siting (typically up to 50m).
3. Direction given as bearing relative to Grid North (BNG).
4. The number of turbine blades and hubs theoretically visible is counted from the wireline in sets of 3 and ignores the screening effects of any intervening objects and forestry.

Client

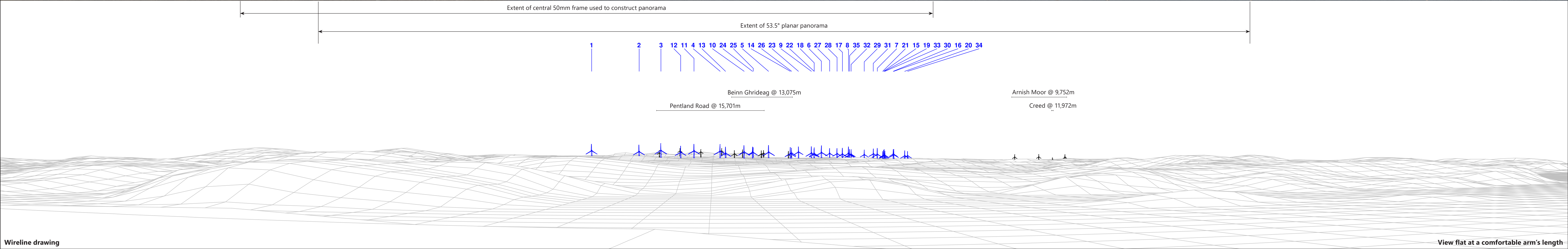


Lewis Wind Power  
Cumhachd Gaoithe

Stornoway Wind Farm  
EIA Report

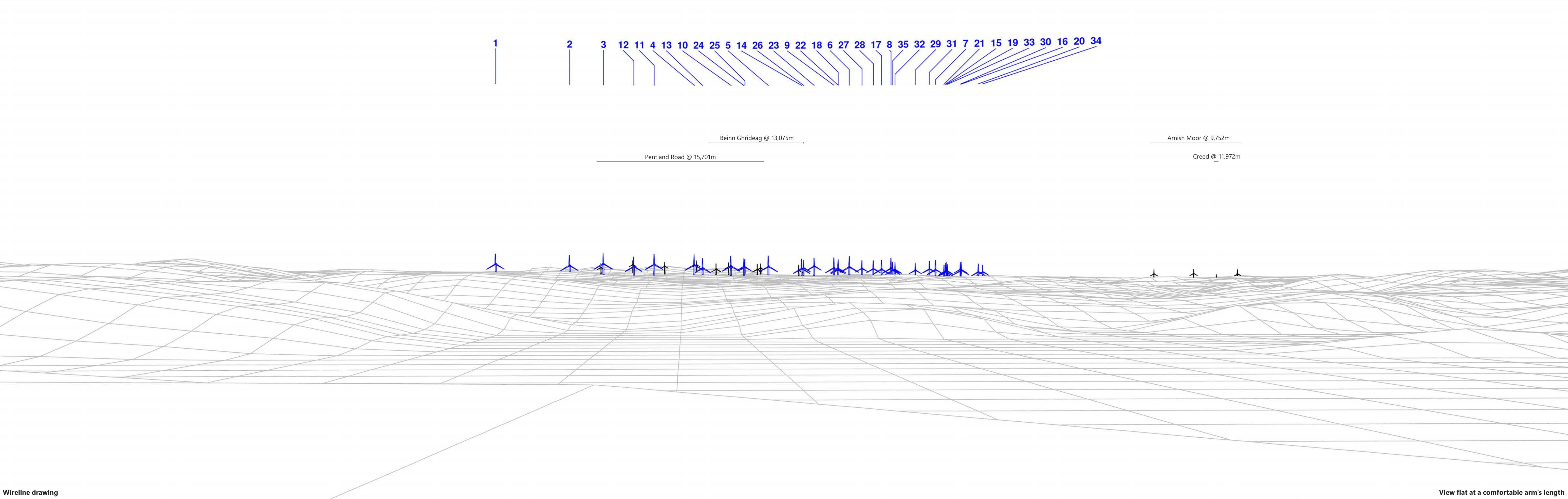
Figure 6.38a  
Viewpoint 15: Gearraidh Bhaird  
(Garyvard)







H:\Projects\40001 Stornoway Optimisation Feasibility Study\0404 Drawings\4001-GOS281.indd Originator: bycc



Wireline drawing

Wind Farm Key: Stornoway Wind Farm Existing Consented

OS reference:	E135 903, N920 199	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon D810
Eye level:	42.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Sigma 50mm 1:2.8 DG)
Direction of view:	354°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,780m	Correct printed image size:	820 x 260mm	Date and time:	31/10/2018 14:40

Client



Lewis Wind Power  
Cumhachd Gaoithe

Stornoway Wind Farm  
EIA Report

Figure 6.38c  
Viewpoint 15: Gearraidh Bhaire (Garyvard)

March 2019







Photomontage

View flat at a comfortable arm's length

OS reference:	E135 903, N920 199	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon D810
Eye level:	42.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Sigma 50mm 1:2.8 DG)
Direction of view:	354°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,780m	Correct printed image size:	820 x 260mm	Date and time:	31/10/2018 14:40

Client

**Lewis Wind Power**  
Cumhachd Gaoithe

Stornoway Wind Farm  
EIA Report

**Figure 6.38d**  
**Viewpoint 15: Gearraidh Bhaird (Garyvard)**

March 2019






H:\Projects\10001 Stornoway Optimisation Feasibility Study\04040 Drawings\4001 - GOS281.indd Originator: bycc



Photomontage View flat at a comfortable arm's length

OS reference:	E135 903, N920 199	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D810
Eye level:	42.5m AOD	Principal distance:	522mm	Lens:	50mm (Sigma 50mm 1:2.8 DG)
Direction of view:	354°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,780m	Correct printed image size:	820 x 260mm	Date and time:	31/10/2018 14:40

Client

Lewis Wind Power  
Cumhachd Gaoithe

Stornoway Wind Farm  
EIA Report

Figure 6.38e  
Viewpoint 15: Gearraidh Bhaird (Garyvard)

March 2019  
