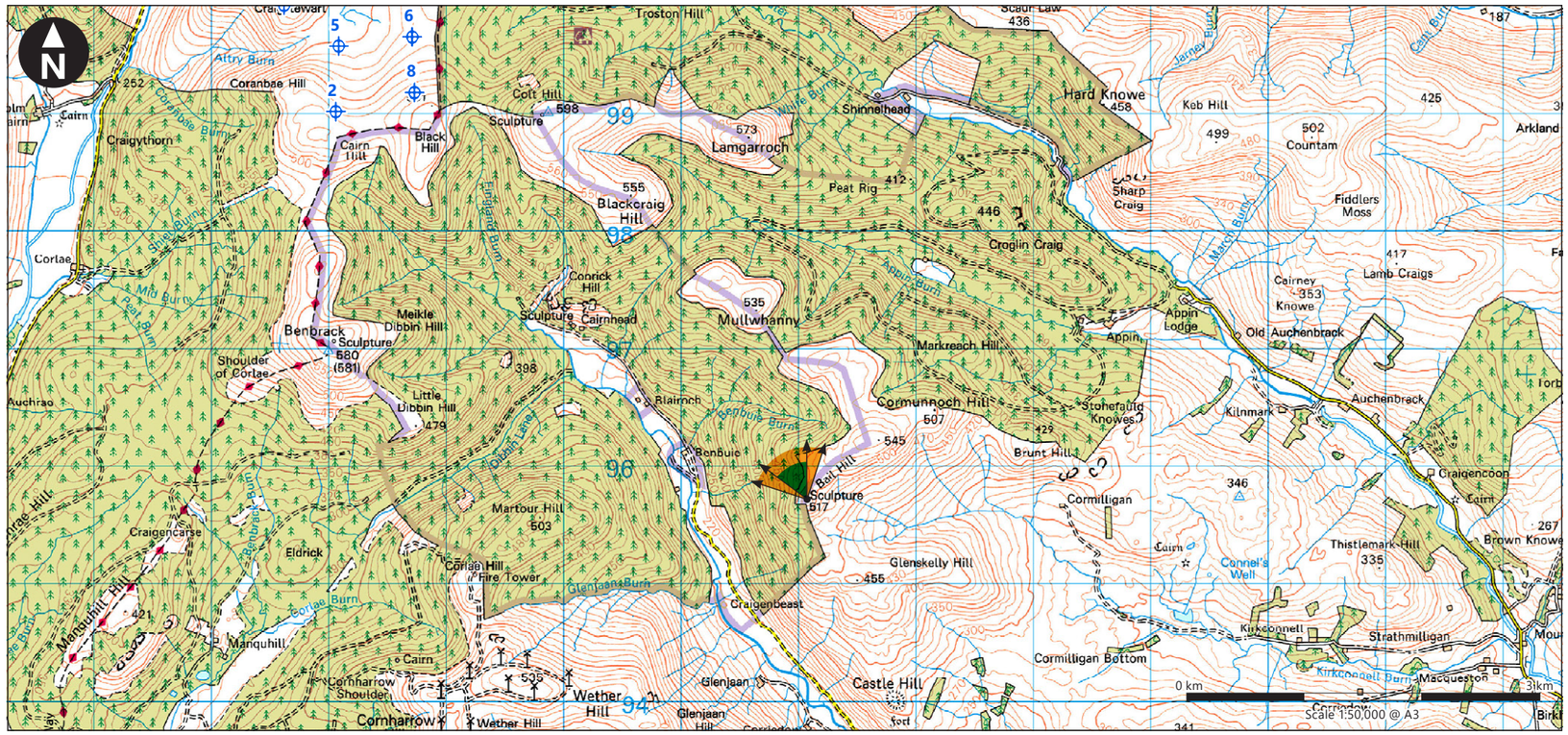
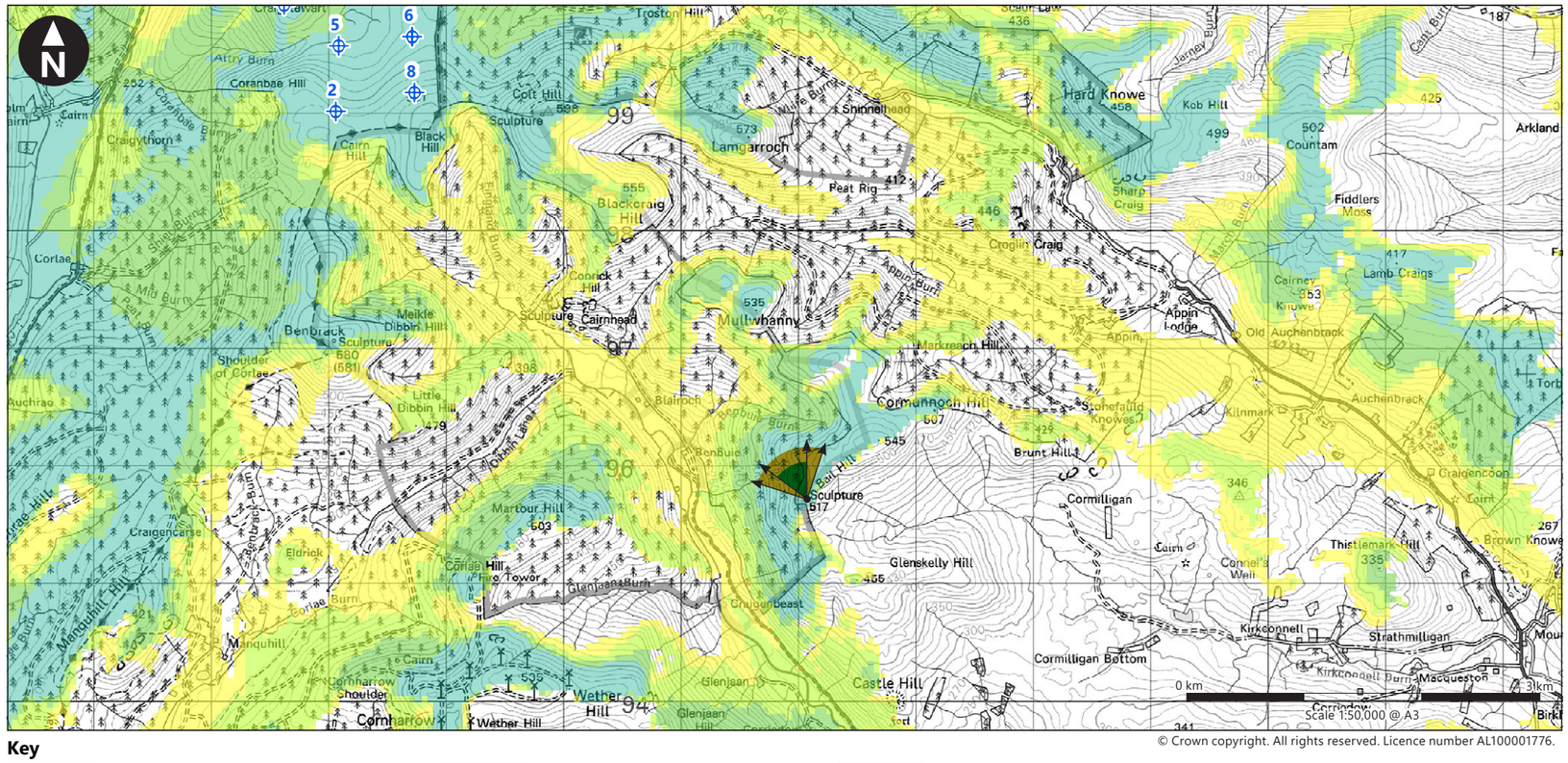




Key

- 90° horizontal field of view
- 53.5° horizontal field of view
- 1 - 3 blade tips may be visible
- 4 - 7 blade tips may be visible
- 8 - 11 blade tips may be visible
- 12 - 15 blade tips may be visible

Viewpoint Parameters

OS reference:	E272 075, N595 716
Ground Level Elevation:	515m AOD
Camera Height:	1.5m AGL
Direction of view to site centre[3]:	314°
Distance to nearest turbine:	4,816m
Number of blade tips theoretically visible[4]:	14
Number of hubs theoretically visible[4]:	11
Date and time of viewpoint photography:	14/12/2018 @ 14:00
Camera:	Canon EOS 5D Mk2
Lens:	50mm (Canon EF 50mm f/1.8)

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.

Additonal notes:

1. This figure has been based on the following parameters:
Turbine layout file: LS36LORG2020019.WFL

• Hub height: 119m
• Rotor diameter: 162m
• Height to blade tip: 200m

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 wireframe in sets of 3 and ignores the screening effects of any intervening objects and forestry.

Client

RWE

Lorg Wind Farm
EIA Report

Figure 9.29a
Viewpoint 8: The Striding Arches – Bail Hill

October 2022

wsp

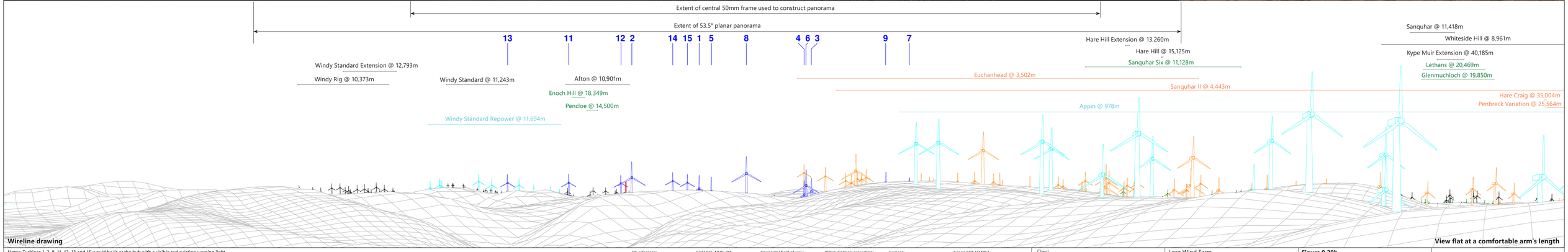
H:\data\Projects\32964 - 36 SUB Lorg FEI LV\IA\DO40\Drawings\2022 S36\VP8 Bail Hill 32964-GOS628_R5.indd Originator: wilsc03

Extent of central 50mm frame used to construct panorama

Extent of 53.5° planar panorama

13 11 12 2 14 15 1 5 8 4 6 3 9 7

Windy Standard Extension @ 12,793m
Windy Rig @ 10,373m
Windy Standard @ 11,243m
Afton @ 10,901m
Enoch Hill @ 18,349m
Pencloe @ 14,500m
Windy Standard Repower @ 11,694m
Hare Hill Extension @ 13,260m
Hare Hill @ 15,125m
Sanquhar Six @ 11,128m
Euchanhead @ 3,502m
Sanquhar II @ 4,443m
Appin @ 978m
Sanquhar @ 11,418m
Whiteside Hill @ 8,961m
Kype Muir Extension @ 40,185m
Lethans @ 20,469m
Glenmuchloch @ 19,850m
Hare Craig @ 35,004m
Penbreck Variation @ 25,564m



Wireline drawing

View flat at a comfortable arm's length

Notes: Turbines 1, 2, 8, 11, 12, 13 and 15 would be lit at the hub with a visible red aviation warning light.
Afton and Windy Rig Wind Farms have been montaged onto the existing view, as they were not fully built at the date and time of the photograph.

Wind Farm Key: Lorg Wind Farm | Existing | Consented | Application | Scoping | Met Mast

OS reference:	E272 075, N595 716	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	516.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	333°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	4,816m	Correct printed image size:	820 x 130mm	Date and time:	14/12/2018 14:00

Client: RWE

Lorg Wind Farm
EIA Report

Figure 9.29b
Viewpoint 8: The Striding Arches – Bail Hill

October 2022

wsp

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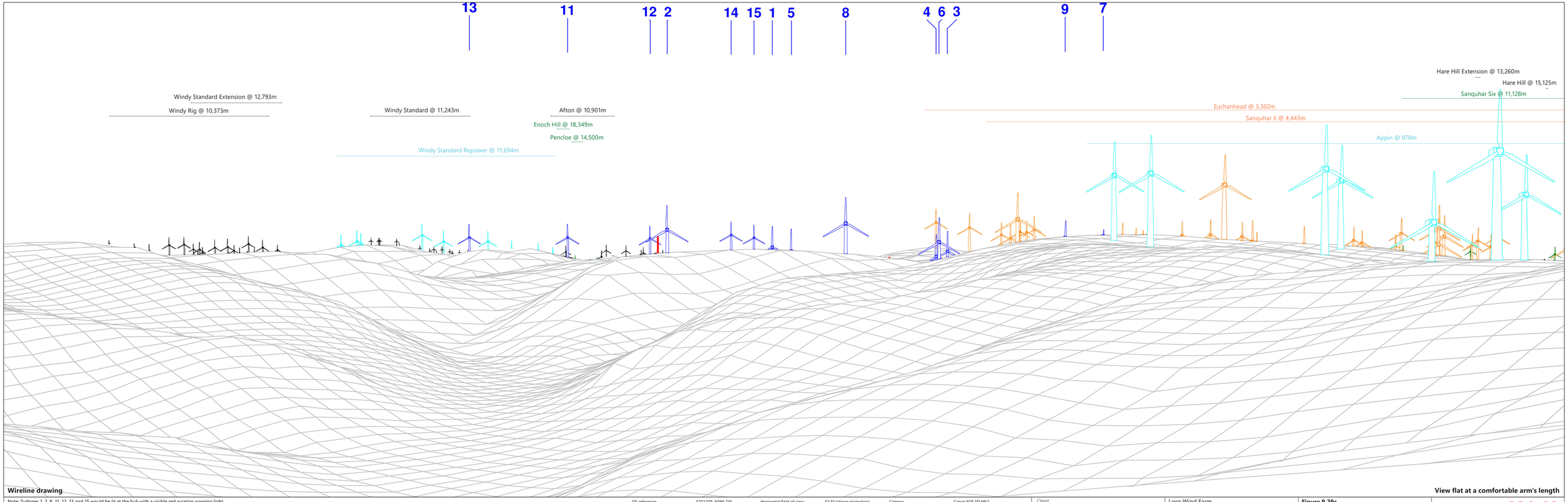

Wireline drawing

View flat at a comfortable arm's length

Note: Turbines 1, 2, 8, 11, 12, 13 and 15 would be lit at the hub with a visible red aviation warning light.

Wind Farm Key: Lorg Wind Farm | Existing | Consented | Application | Scoping | Met Mast

OS reference:	E272 075, N595 716	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	516.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	333°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	4,816m	Correct printed image size:	820 x 260mm	Date and time:	14/12/2018 14:00

Client: RWE

Lorg Wind Farm
EIA Report

Figure 9.29c
Viewpoint 8: The Striding Arches – Bail Hill

October 2022

wsp

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Note: Afton and Windy Rig Wind Farms have been montaged onto the existing view, as they were not fully built at the date and time of the photograph.

OS reference:	E272 075, N595 716	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	516.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	333°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	4,816m	Correct printed image size:	820 x 260mm	Date and time:	14/12/2018 14:00

Client

RWE

Lorg Wind Farm
EIA Report

Figure 9.29d
Viewpoint 8: The Striding Arches – Bail Hill

October 2022

wsp

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Photomontage

View flat at a comfortable arm's length

Note: This 90 degree FoV photomontage is produced in addition to the NatureScot *'Visual Representation of Wind Farms'* guidance and illustrates the Proposed Development in its landscape setting. Afton and Windy Rig Wind Farms have been montaged onto the existing view, as they were not fully built at the date and time of the photograph.

OS reference:	E272 075, N595 716	Horizontal field of view:	90º (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	516.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	333º	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	4,816m	Correct printed image size:	820 x 260mm	Date and time:	14/12/2018 14:00

Client

RWE

Lorg Wind Farm
EIA Report

Figure 9.29e
Viewpoint 8: The Striding Arches – Bail Hill

October 2022

wsp

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