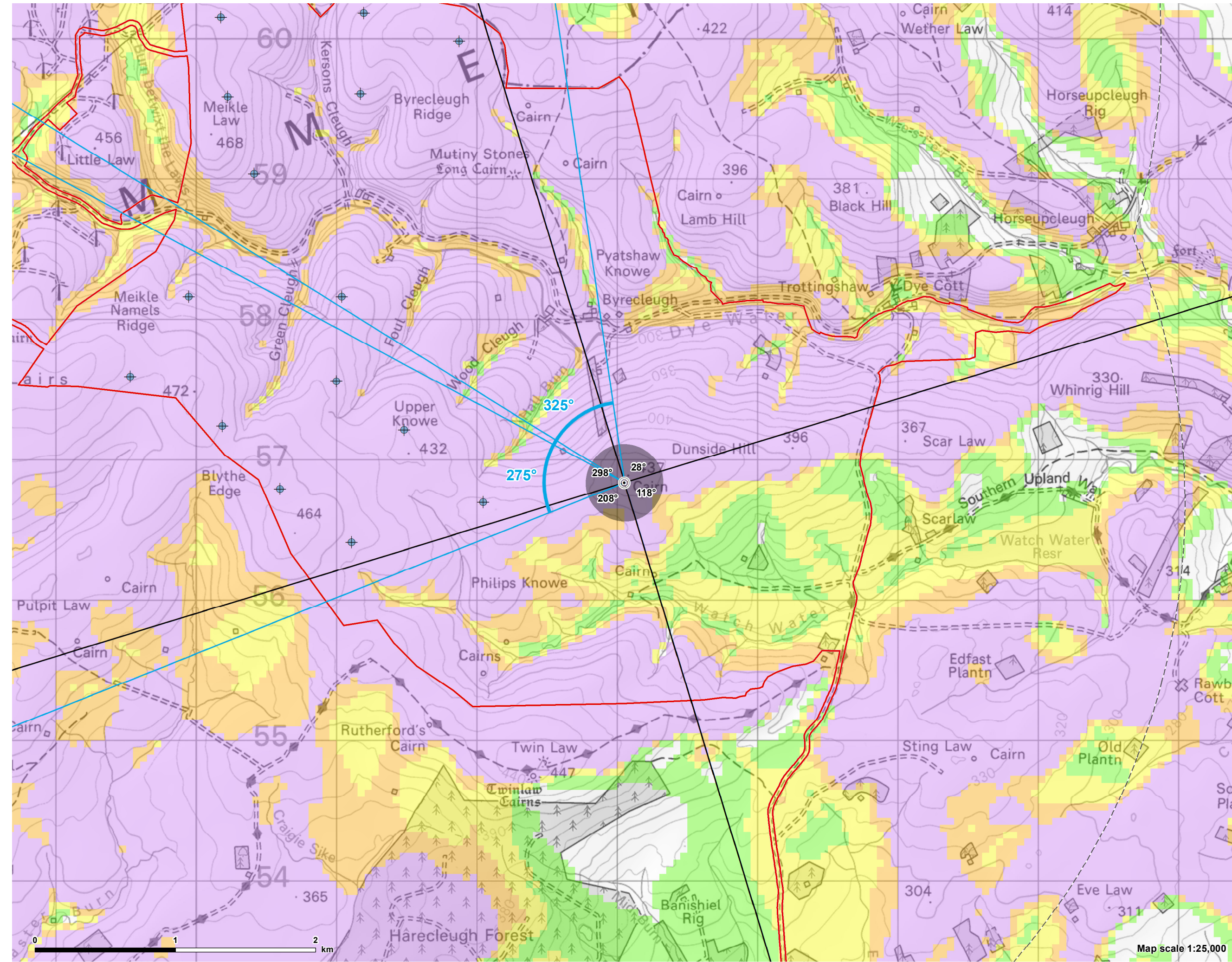


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Figure 5.8:
Viewpoint CH04 - In-combination view from Dunside Hill,
Cairn (SM12507)

- Site Boundary
 - + Turbine
 - 5km intervals from outermost turbines
 - LVIA study area 45km from outermost turbines
 - o Viewpoint
- Theoretical blade tip visibility (220m)**
- 1-4 turbines visible
 - 5-8 turbines visible
 - 9-12 turbines visible
 - 13-15 turbines visible
 - ∠ 53.5° Field of View
 - ∠ 90° Field of View

Notes:
The ZTV is calculated to turbine tip height (220m) from a viewing height of 2m above ground level.

The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in January 2023). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1.

CB.JH EB.Harlich_J LUC FIGS_X_11838_r0_HeritageVPOverviews_45km_A3L_07/08/2023
Source: LUC, EDF



Baseline photograph

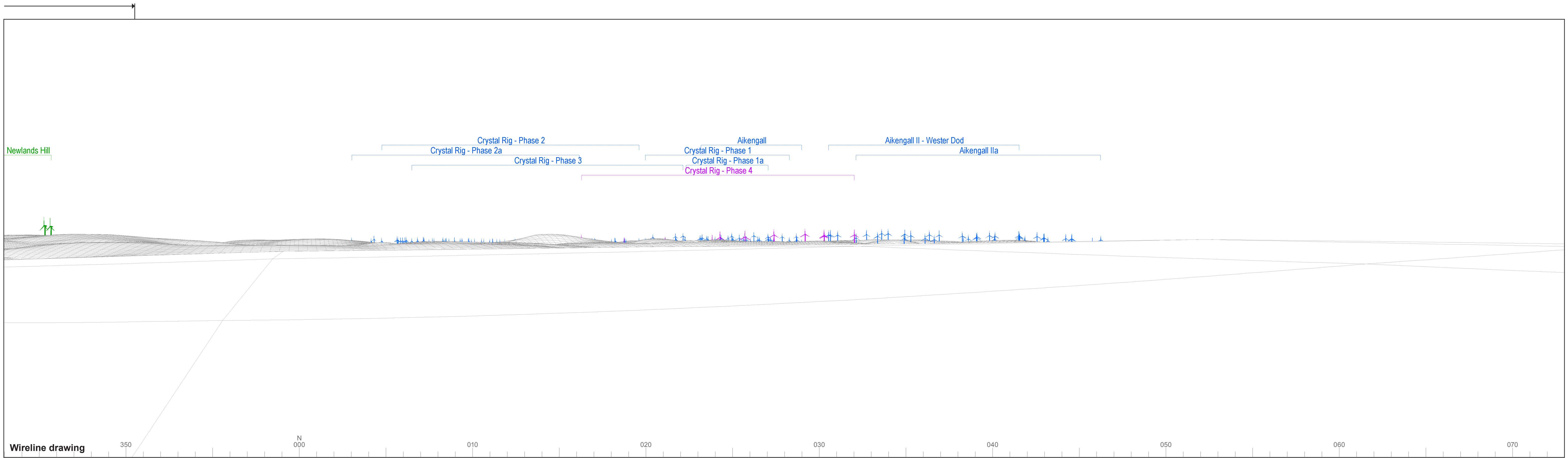


OS reference: 363051 E 656837 N
AOD: 437 m
Direction of view: 28°
Nearest turbine: 1.01 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 230 mm

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 14/02/2023
Photography Time: 11:09



Wireline drawing

350 N 000 010 020 030 040 050 060 070



OS reference: 363051 E 656837 N
 AOD: 437 m
 Direction of view: 28°
 Nearest turbine: 1.01 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 230 mm

Wind Farm Developments key (by status):

- Proposed scheme
- Operational
- Under construction
- Consented
- Appeal/PLI Application
- Newlands Hill*

* Newlands Hill wind farm final layout has been provided by its developer. Other projects at EIA scoping stage are not considered in Chapter 4: Landscape and Visual Impact Assessment but are considered in Appendix 4.4: Cumulative Assessment for Scoping Stage Sites.

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Baseline photograph

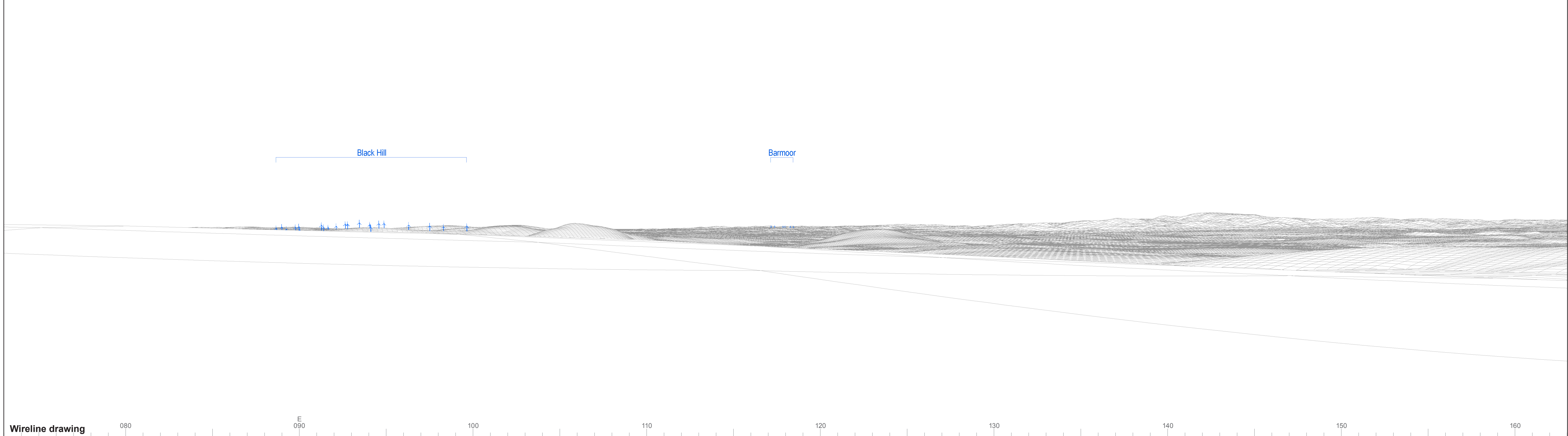


OS reference: 363051 E 656837 N
AOD: 437 m
Direction of view: 118°
Nearest turbine: 1.01 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 230 mm

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 14/02/2023
Photography Time: 11:09



Wireline drawing

80 90 100 110 120 130 140 150 160



OS reference: 363051 E 656837 N
 AOD: 437 m
 Direction of view: 118°
 Nearest turbine: 1.01 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 230 mm

Wind Farm Developments key (by status):

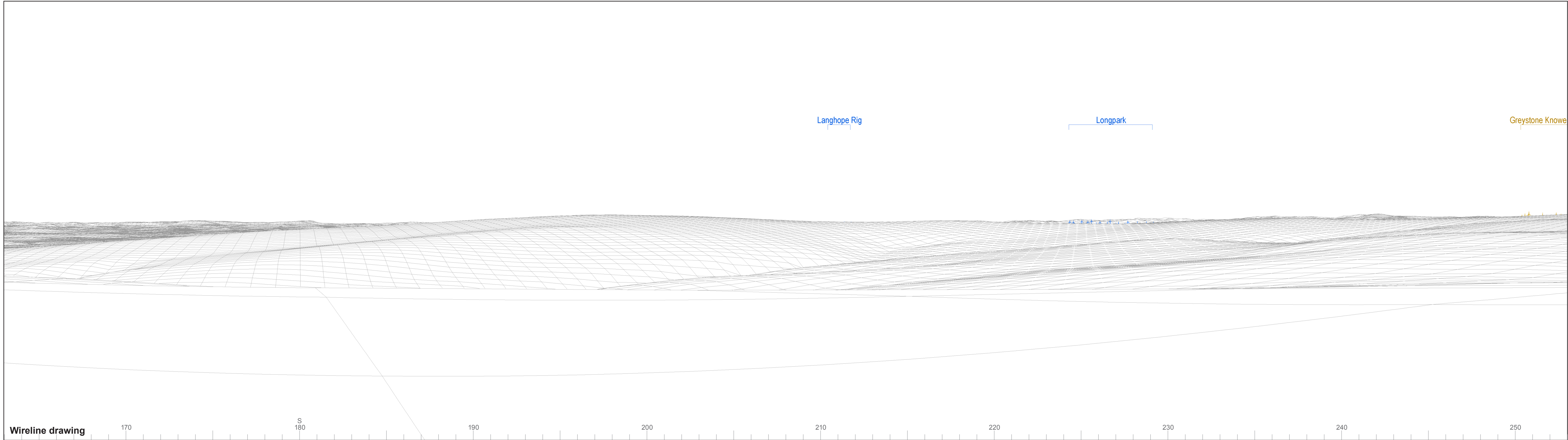
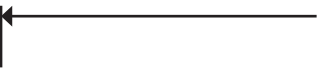
Proposed scheme	Appeal/PLI
Operational	Application
Under construction	Newlands Hill*
Consented	

* Newlands Hill wind farm final layout has been provided by its developer. Other projects at EIA scoping stage are not considered in Chapter 4: Landscape and Visual Impact Assessment but are considered in Appendix 4.4: Cumulative Assessment for Scoping Stage Sites.

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Baseline photograph



Wireline drawing

170 180 190 200 210 220 230 240 250



OS reference: 363051 E 656837 N
 AOD: 437 m
 Direction of view: 208°
 Nearest turbine: 1.01 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 230 mm

Wind Farm Developments key (by status):

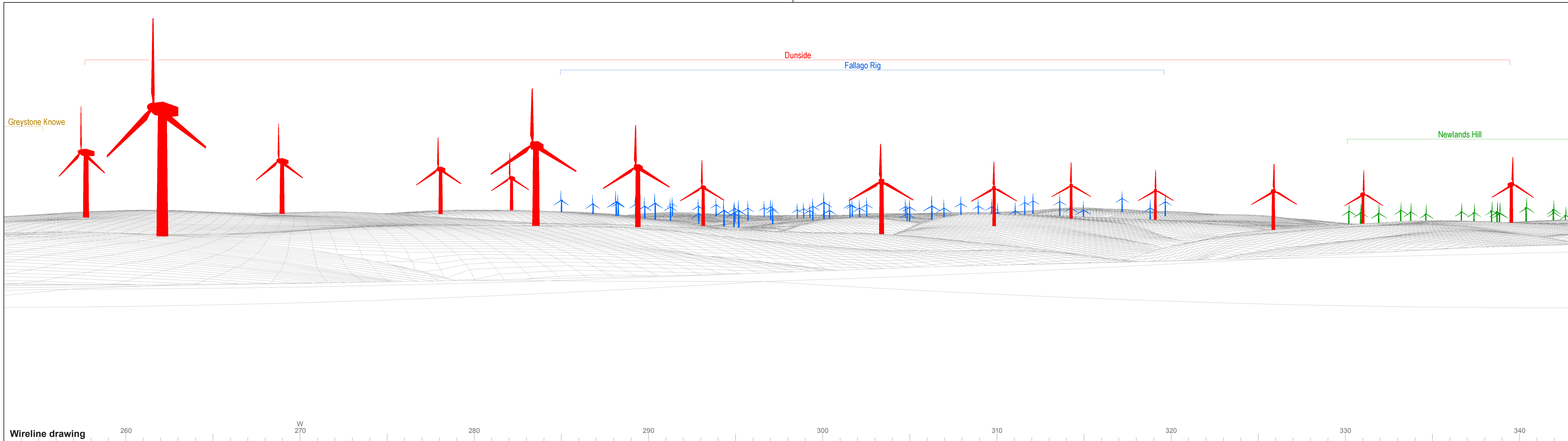
Proposed scheme	Appeal/PLI
Operational	Application
Under construction	Newlands Hill*
Consented	

* Newlands Hill wind farm final layout has been provided by its developer. Other projects at EIA scoping stage are not considered in Chapter 4: Landscape and Visual Impact Assessment but are considered in Appendix 4.4: Cumulative Assessment for Scoping Stage Sites.

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Baseline photograph



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OS reference: 363051 E 656837 N
 AOD: 437 m
 Direction of view: 298°
 Nearest turbine: 1.01 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 230 mm

Wind Farm Developments key (by status):

- Proposed scheme
- Operational
- Under construction
- Consented
- Appeal/PLI Application
- Newlands Hill*

* Newlands Hill wind farm final layout has been provided by its developer. Other projects at EIA scoping stage are not considered in Chapter 4: Landscape and Visual Impact Assessment but are considered in Appendix 4.4: Cumulative Assessment for Scoping Stage Sites.

Dunside Wind Farm
Figure 5.8h
 Viewpoint CH04: In-combination view from Dunside Hill, Cairn (SM12507)

14

15

12

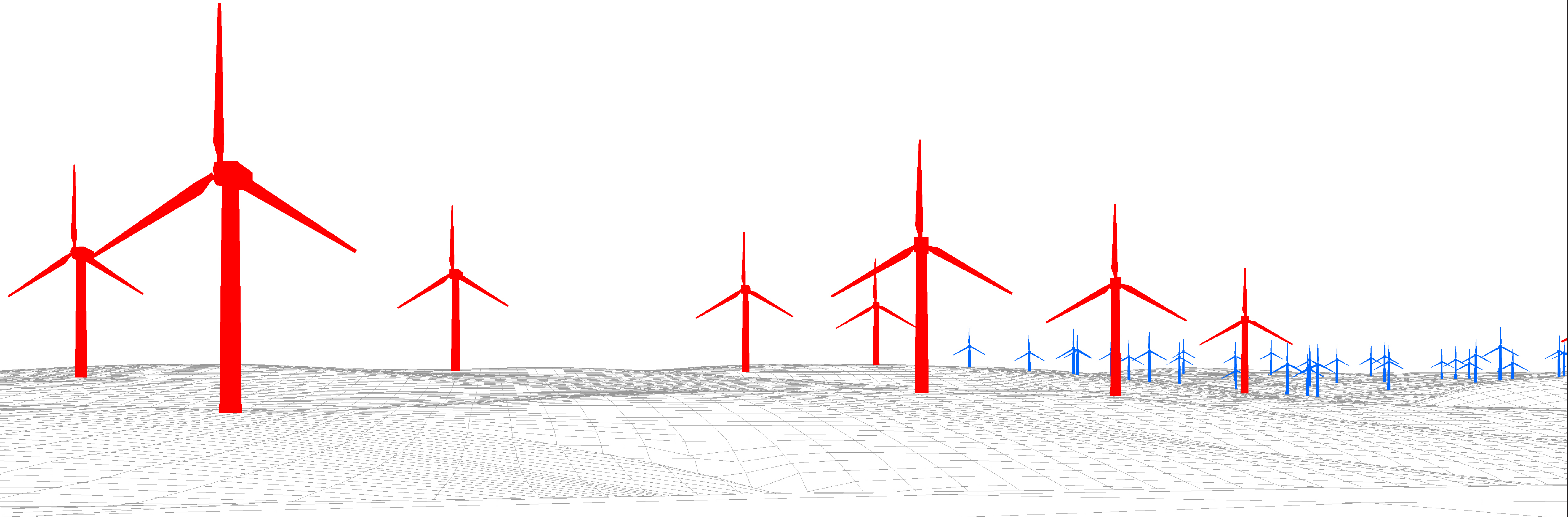
10

9

13

11

7



Wireline drawing



OS reference: 363051 E 656837 N
 AOD: 437 m
 Direction of view: 275°
 Nearest turbine: 1.01 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Wind Farm Developments key
 (by status):
 Proposed scheme
 Operational

Dunside Wind Farm
Figure 5.8i
 Viewpoint CH04: In-combination view from Dunside Hill, Cairn (SM12507)

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Photomontage
The view horizon has been lowered in this image to allow a greater visible vertical extent of turbines to be shown



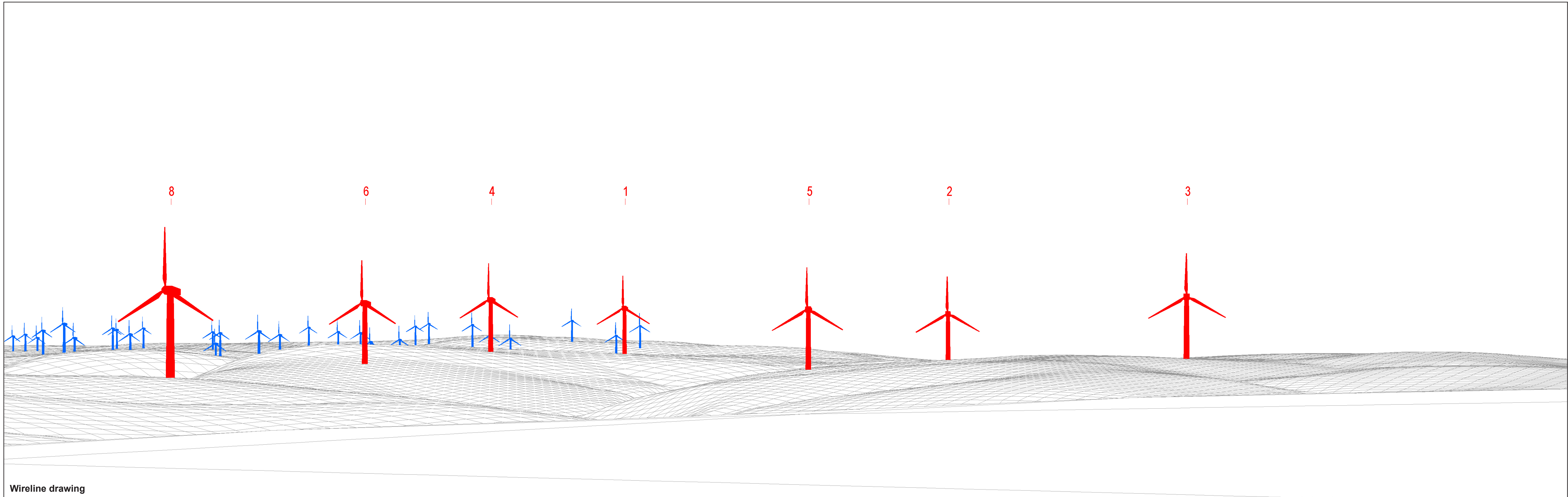
OS reference: 363051 E 656837 N
AOD: 437 m
Direction of view: 275°
Nearest turbine: 1.01 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 14/02/2023
Photography Time: 11:09

Dunside Wind Farm
Figure 5.8j
Viewpoint CH04: In-combination view from Dunside Hill, Cairn (SM12507)



Wireline drawing



OS reference: 363051 E 656837 N
 AOD: 437 m
 Direction of view: 325°
 Nearest turbine: 1.01 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Wind Farm Developments key
 (by status):
 Proposed scheme
 Operational

Dunside Wind Farm
 Figure 5.8k
 Viewpoint CH04: In-combination view from Dunside Hill, Cairn (SM12507)

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Photomontage

The view horizon has been lowered in this image to allow a greater visible vertical extent of turbines to be shown



OS reference: 363051 E 656837 N
AOD: 437 m
Direction of view: 325°
Nearest turbine: 1.01 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 14/02/2023
Photography Time: 11:09

Dunside Wind Farm

Figure 5.81

Viewpoint CH04: In-combination view from Dunside Hill, Cairn (SM12507)