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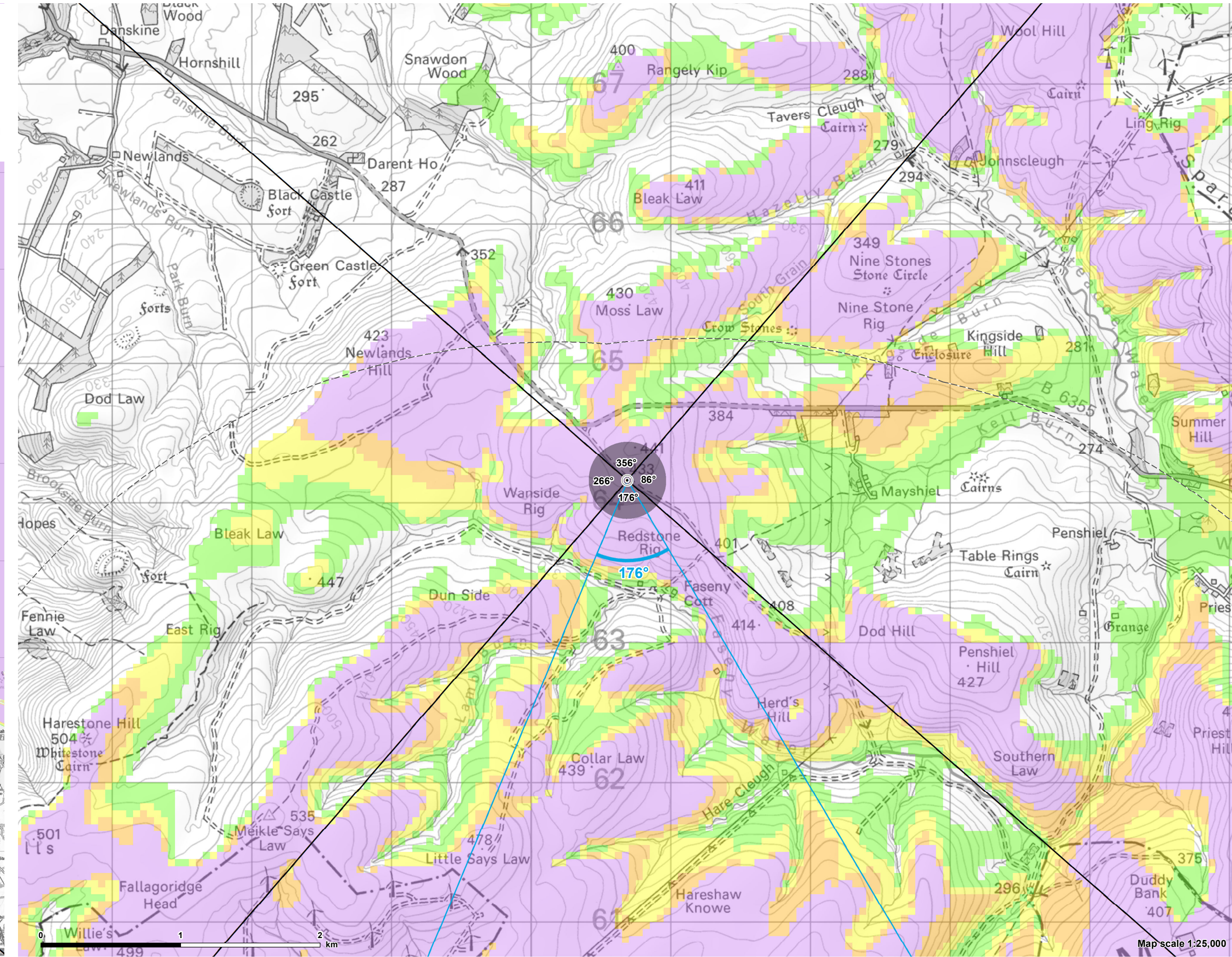


Figure 4.2.3:
Viewpoint 3 - Minor Road near Wanside Rig junction

- Site Boundary
 - Turbine
 - 5km intervals from outermost turbines
 - LVIA study area 45km from outermost turbines
 - 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.

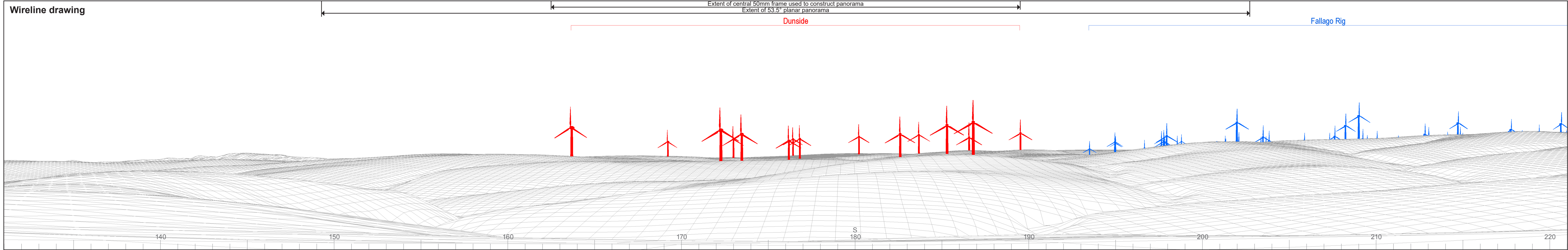
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CB:JH:EB:Harlich_J LUC FIG4_02_Xa_11838_r0_VPOViews_45km_A3L_06/08/2023
Source: LUC, EDF



Baseline photograph

This image provides landscape and visual context only



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OS reference: 360689E 664164N
 AOD: 434 m
 Direction of view: 176°
 Nearest turbine: 4.01 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 260 mm

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

Photography Date: 08/10/2022
 Photography Time: 07:58

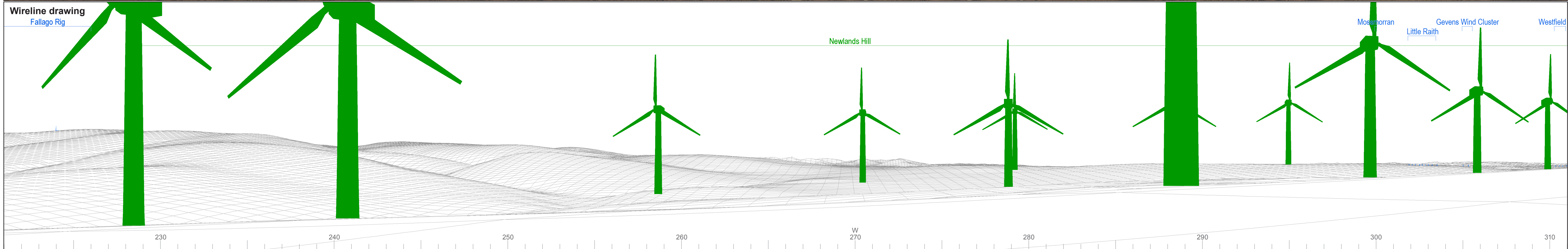
Wind Farm Developments key
 (by status):

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 4.2.3a
 Viewpoint 3: Minor Road near Wanside Rig junction



OS reference: 360689E 664164N
 AOD: 434 m
 Direction of view: 266°
 Nearest turbine: 4.01 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 260 mm

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

Photography Date: 08/10/2022
 Photography Time: 07:58

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.

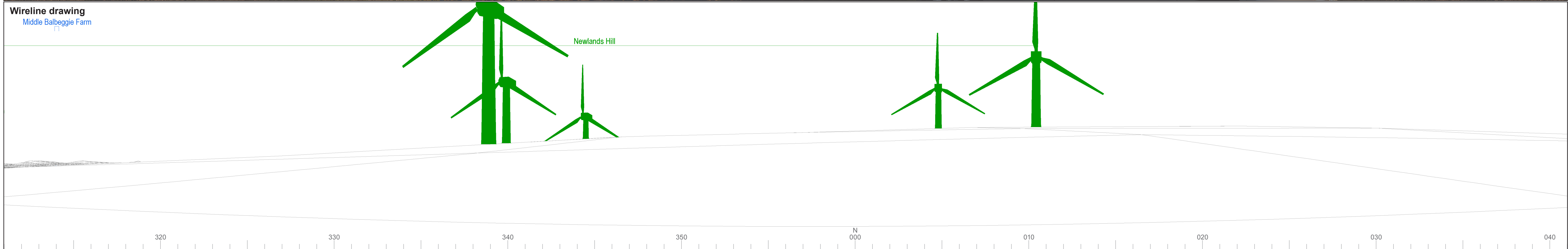
Dunside Wind Farm
 Figure 4.2.3b
 Viewpoint 3: Minor Road near Wanside Rig junction



Baseline photograph

This image provides landscape and visual context only

Wireline drawing
Middle Balbeggie Farm



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OS reference: 360689E 664164N
AOD: 434 m
Direction of view: 356°
Nearest turbine: 4.01 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 260 mm

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

Photography Date: 08/10/2022
Photography Time: 07:58

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.

Viewpoint 3: Minor Road near Wanside Rig junction

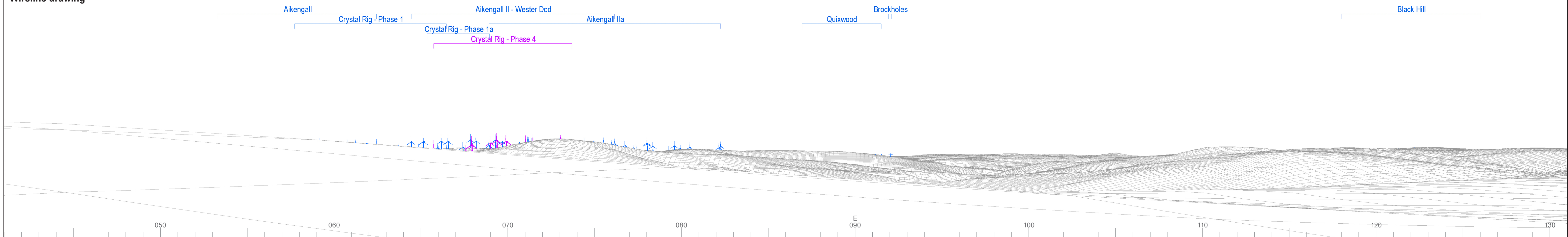
Dunside Wind Farm
Figure 4.2.3c



Baseline photograph

This image provides landscape and visual context only

Wireline drawing



OS reference: 360689E 664164N
 AOD: 434 m
 Direction of view: 86°
 Nearest turbine: 4.01 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 260 mm

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

Photography Date: 08/10/2022
 Photography Time: 07:58

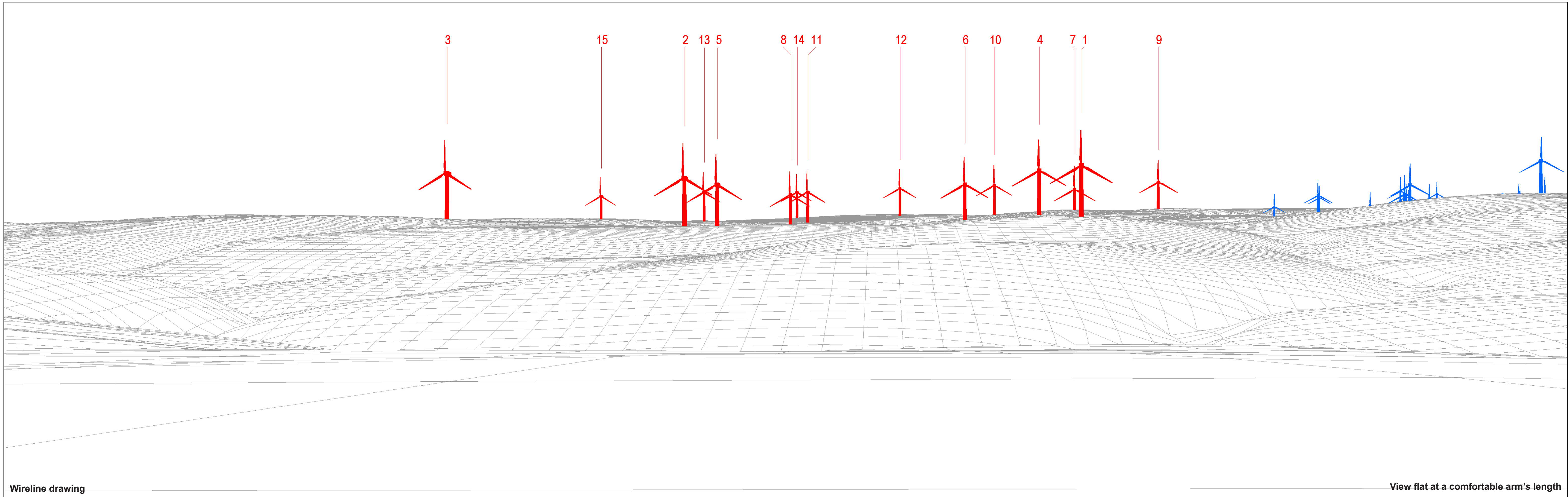
Wind Farm Developments key (by status):

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 4.2.3d
 Viewpoint 3: Minor Road near Wanside Rig junction

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Wireline drawing

View flat at a comfortable arm's length



OS reference: 360689E 664164N
 AOD: 434 m
 Direction of view: 176°
 Nearest turbine: 4.01 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 4.2.3e
 Viewpoint 3: Minor Road near Wanside Rig junction

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Photomontage

View flat at a comfortable arm's length



OS reference: 360689E 664164N
AOD: 434 m
Direction of view: 176°
Nearest turbine: 4.01 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: 08/10/2022
Photography Time: 07:58

Dunside Wind Farm
Figure 4.2.3f
Viewpoint 3: Minor Road near Wanside Rig junction



Dusk Photomontage - 2000 candela aviation hub lighting shown on Turbines 1, 3, 6, 8, 9, 14 and 15 (Turbine model: Hub height 139m, Rotor Diameter 162m, Tip height of 220m)

View flat at a comfortable arm's length



OS reference: 360689E 664164N
AOD: 434 m
Direction of view: 176°
Nearest turbine: 4.01 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: 19/04/2023
Photography Time: 20:37



Dusk Photomontage - 200 candela aviation hub lighting shown on Turbines 1, 3, 6, 8, 9, 14 and 15 (Turbine model: Hub height 139m, Rotor Diameter 162m, Tip height of 220m)

View flat at a comfortable arm's length



OS reference: 360689E 664164N
AOD: 434 m
Direction of view: 176°
Nearest turbine: 4.01 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: 19/04/2023
Photography Time: 20:37