

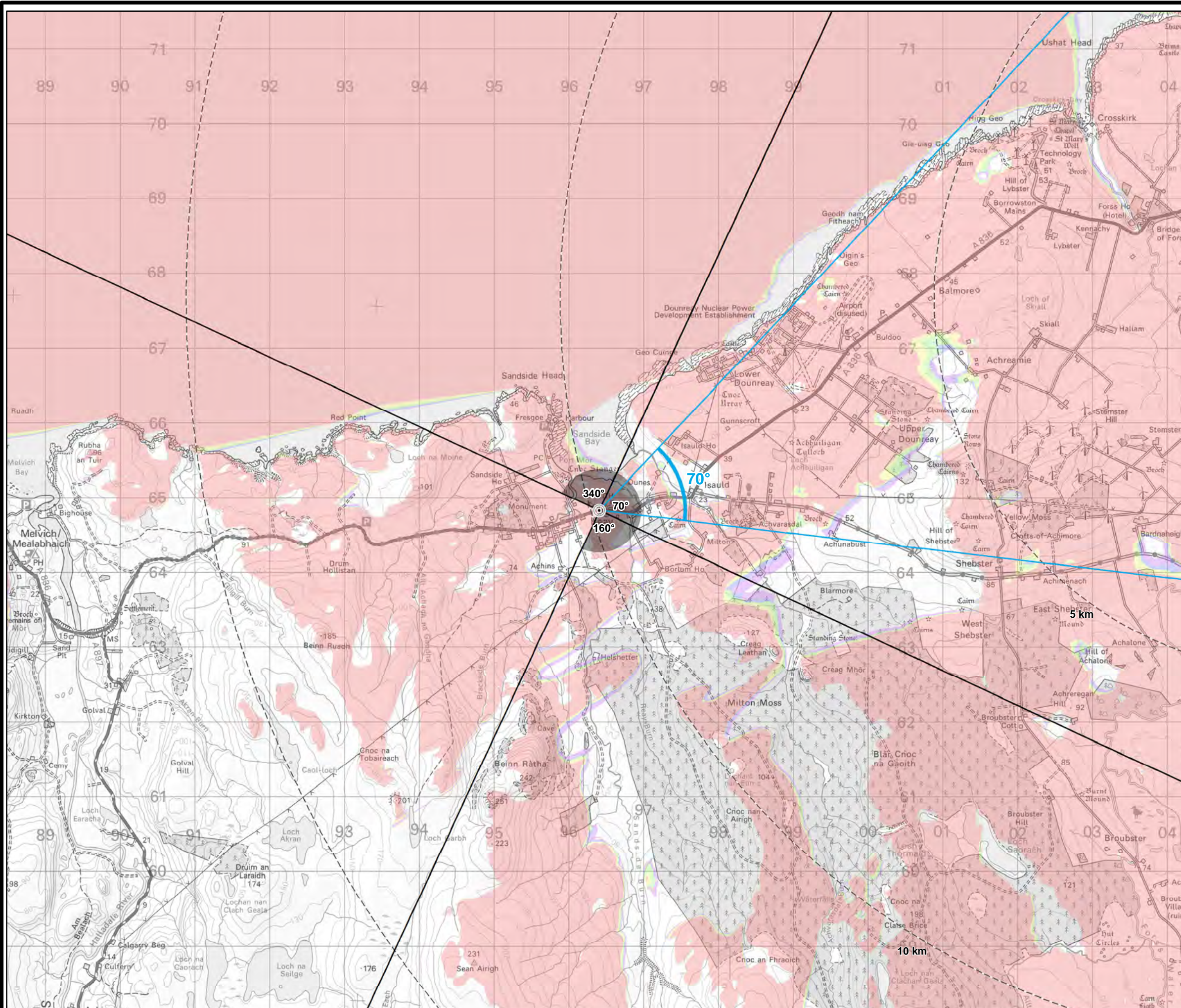


CAIRNMORE HILL WIND FARM

FIGURE 5.2.17

VIEWPOINT 17:
A836 EAST OF RAEY

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- Turbine layout (PSCOhof060)
- - - 5km intervals from outer turbines
- 40km LVIA study area
- ⊙ Viewpoint
- 53.5° Field of View
- 90° Field of View

Theoretical wind farm visibility (138.5m)

- 1 turbine visible
- 2 turbines visible
- 3 turbines visible
- 4 turbines visible
- 5 turbines visible

Notes:
The ZTV is calculated to turbine tip height (138.5m) from a viewing height of 2m above ground level. The terrain model assumes bare ground. The data for a 45km buffer around the turbines is derived from OS Terrain 5 height data (obtained from EMapSite in July 2022). The data for extents beyond 45km is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.



Data source: RES, LUC, SNH, NC500

LAYOUT DWG: PSCOhof060

DRAWING NUMBER: FIG5-2-X-11524_r0_VPOoverview_A3L

SCALE - 1:50,000 @ A3

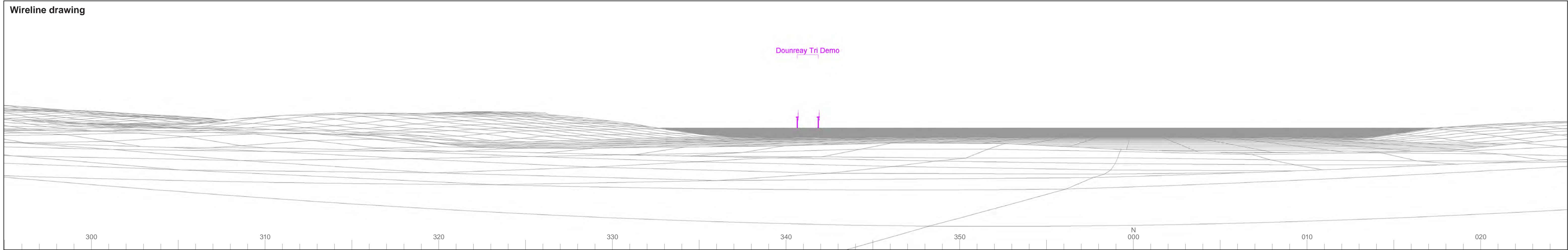
LANDSCAPE AND VISUAL IMPACT
ASSESSMENT, 2022

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Baseline photograph

This image provides landscape and visual context only



Wireline drawing

Dounreay Tri Demo



OS reference: 296405E 964826N
 AOD: 17 m
 Direction of view: 340°
 Nearest turbine: 9.89 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

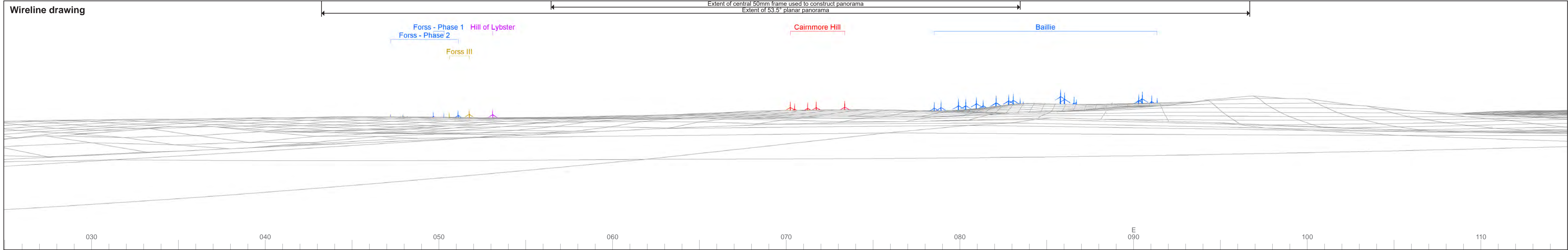
Photography Date: 11/05/2022
 Photography Time: 12:10

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented

Application
 Appeal/PLI

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LUC

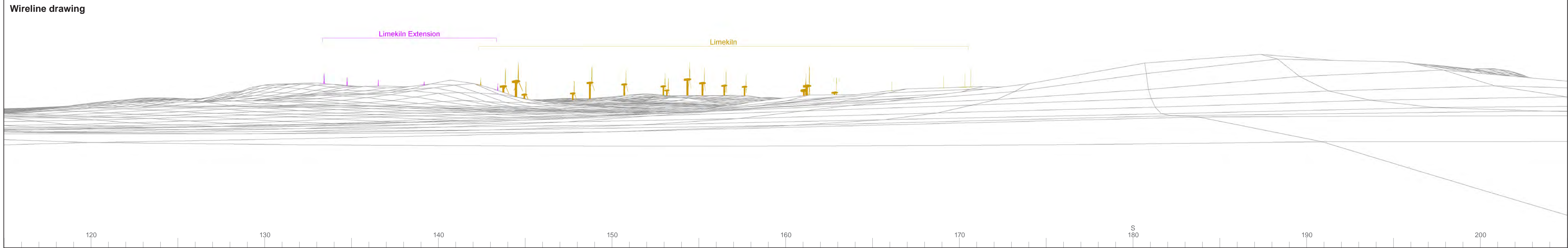
OS reference: 296405E 964826N	Horizontal field of view: 90° (cylindrical projection)	Camera: Nikon D750	Photography Date: 11/05/2022
AOD: 17 m	Principal distance: 522 mm	Lens: 50mm Fixed Focal Length	Photography Time: 12:10
Direction of view: 70°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m	
Nearest turbine: 9.89 km	Correct printed image size: 820 x 260 mm		

Wind Farm Developments key (by status):

Proposed scheme	Application
Operational	Appeal/PLI
Consented	

Cairnmore Hill
Figure: 5.2.17b
Viewpoint 17: A836 east of Raey

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OS reference: 296405E 964826N
 AOD: 17 m
 Direction of view: 160°
 Nearest turbine: 9.89 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

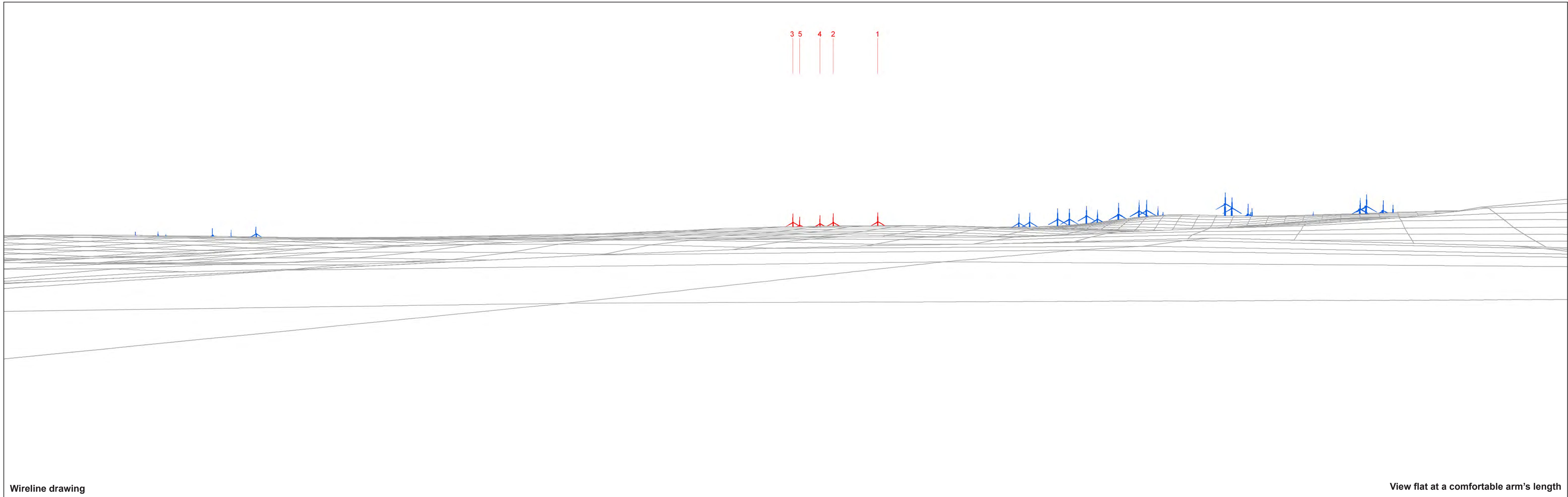
Photography Date: 11/05/2022
 Photography Time: 12:10

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented

Application
 Appeal/PLI

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Wireline drawing

View flat at a comfortable arm's length



OS reference: 296405E 964826N
 AOD: 17 m
 Direction of view: 70°
 Nearest turbine: 9.89 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

Cairnmore Hill
Figure: 5.2.17d
 Viewpoint 17: A836 east of Raey

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Photomontage

View flat at a comfortable arm's length



OS reference: 296405E 964826N
AOD: 17 m
Direction of view: 70°
Nearest turbine: 9.89 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: 11/05/2022
Photography Time: 12:10

Cairnmore Hill
Figure: 5.2.17e
Viewpoint 17: A836 east of Raey