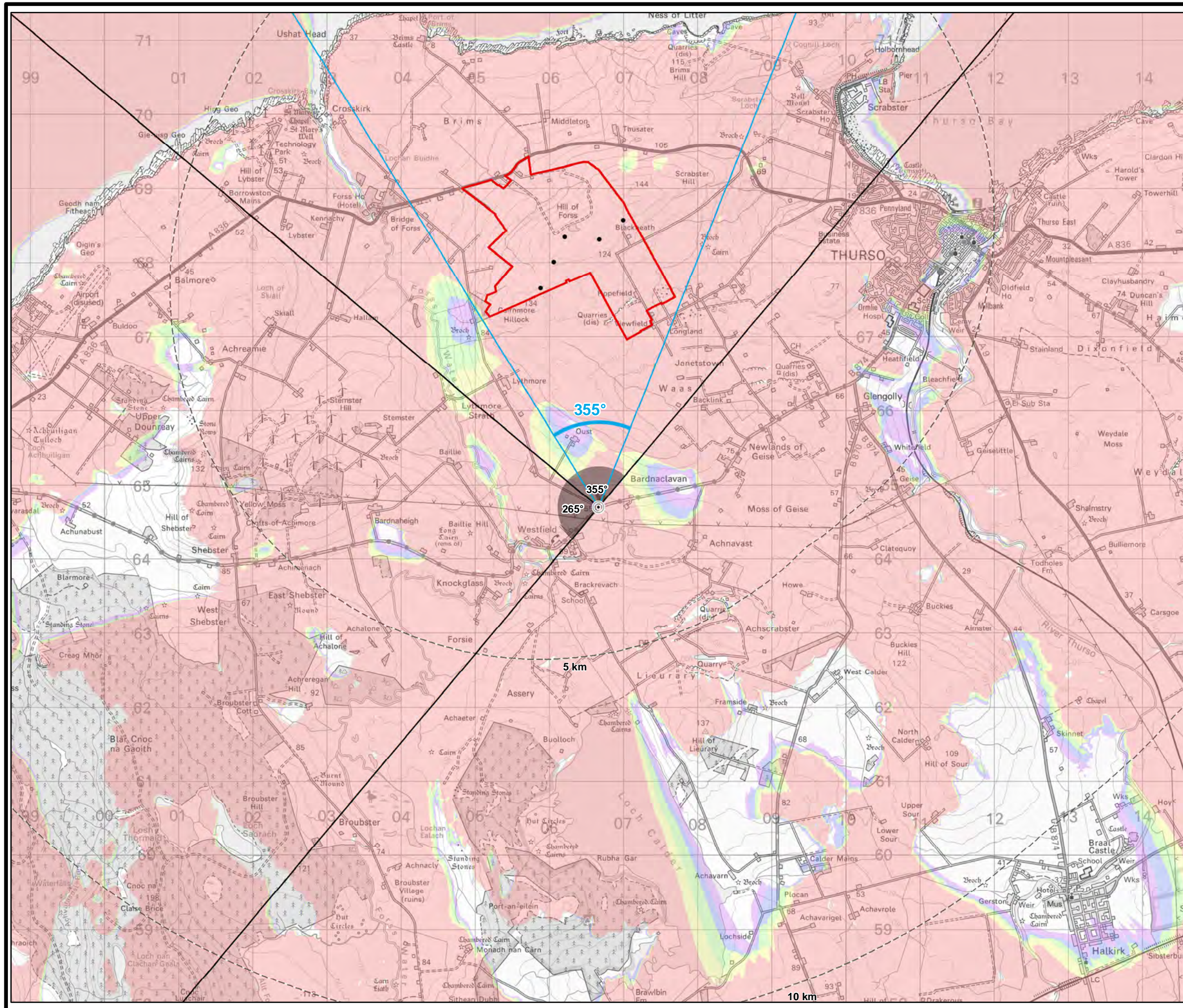




# CAIRNMORE HILL WIND FARM

## FIGURE 5.2.2

### VIEWPOINT 2: THURSO TO REAY ROAD



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2022 ORDNANCE SURVEY 0100031673

- Planning application boundary
- 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

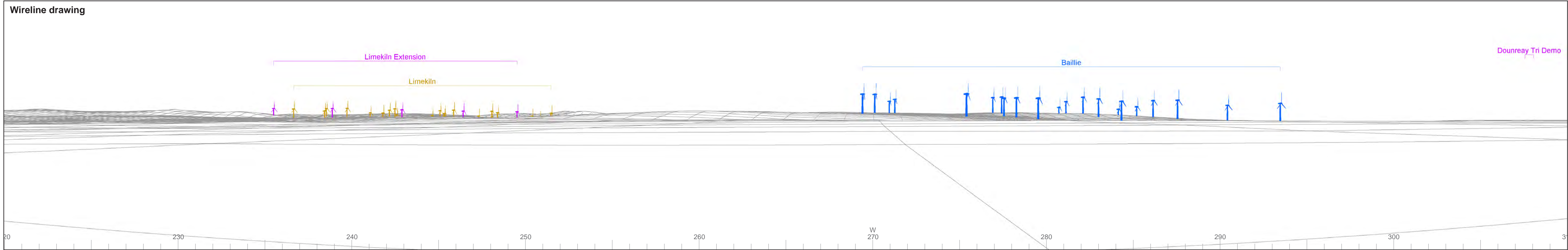
LAYOUT DWG: PSCOhof060

DRAWING NUMBER: FIG5-2-X\_11524\_r0\_VPOverview\_A3L

SCALE - 1:50,000 @ A3

#### LANDSCAPE AND VISUAL IMPACT ASSESSMENT, 2022

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OS reference: 306661E 964698N  
 AOD: 56 m  
 Direction of view: 265°  
 Nearest turbine: 3.05 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: 09/02/2022  
 Photography Time: 14:45

Wind Farm Developments key (by status):

Proposed scheme  
 Operational  
 Consented

Application  
 Appeal/PLI

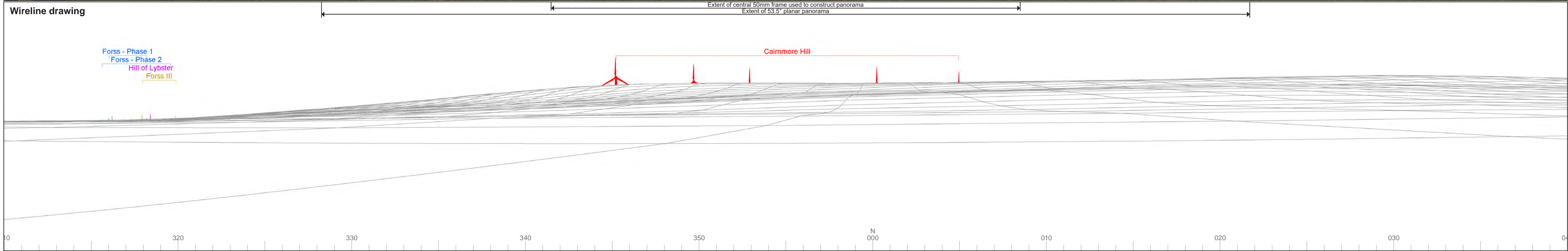
Cairnmore Hill  
**Figure: 5.2.2a**  
**Viewpoint 2: Thurso to Reay Road**

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Baseline photograph

This image provides landscape and visual context only



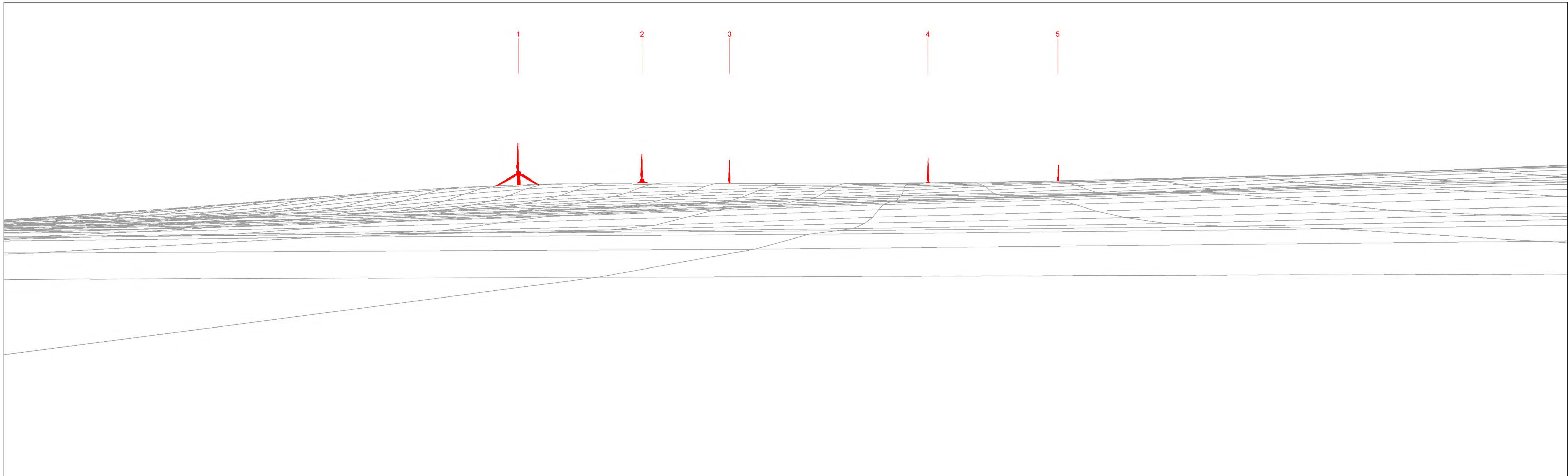
Wireline drawing

Extent of central 50mm frame used to construct panorama  
Extent of 53.5° planar panorama

Forss - Phase 1  
Forss - Phase 2  
Hill of Lybster  
Forss III

Cairnmore Hill

Cairnmore Hill  
**Figure: 5.2.2b**  
Viewpoint 2: Thurso to Reay Road



Wireline drawing

View flat at a comfortable arm's length



OS reference: 306661E 964698N  
 AOD: 56 m  
 Direction of view: 355°  
 Nearest turbine: 3.05 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: 5.2.2c**  
 Viewpoint 2: Thurso to Reay Road

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Photomontage

View flat at a comfortable arm's length



OS reference: 306661E 964698N  
AOD: 56 m  
Direction of view: 355°  
Nearest turbine: 3.05 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: 09/02/2022  
Photography Time: 14:45

Cairnmore Hill  
**Figure: 5.2.2d**  
**Viewpoint 2: Thurso to Reay Road**