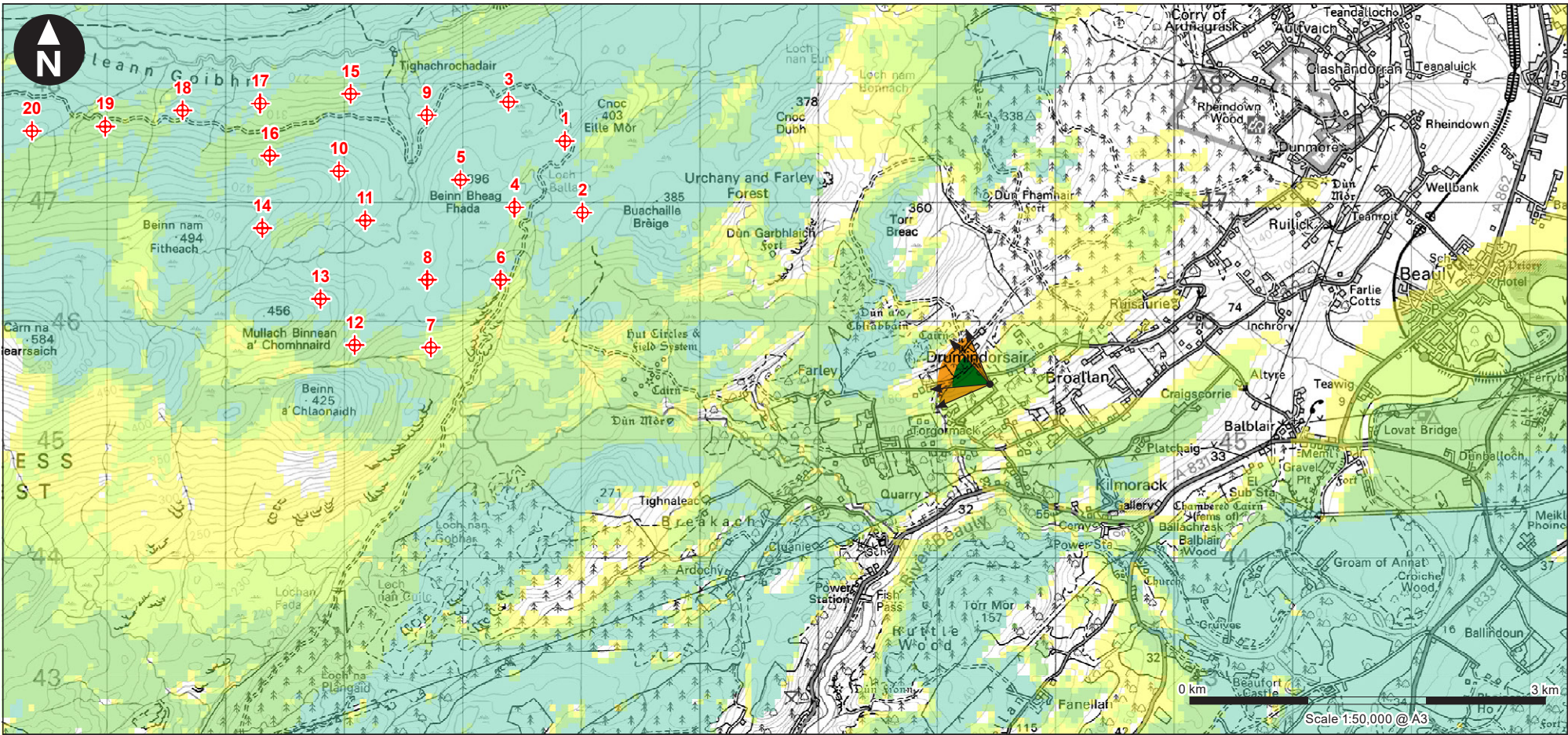
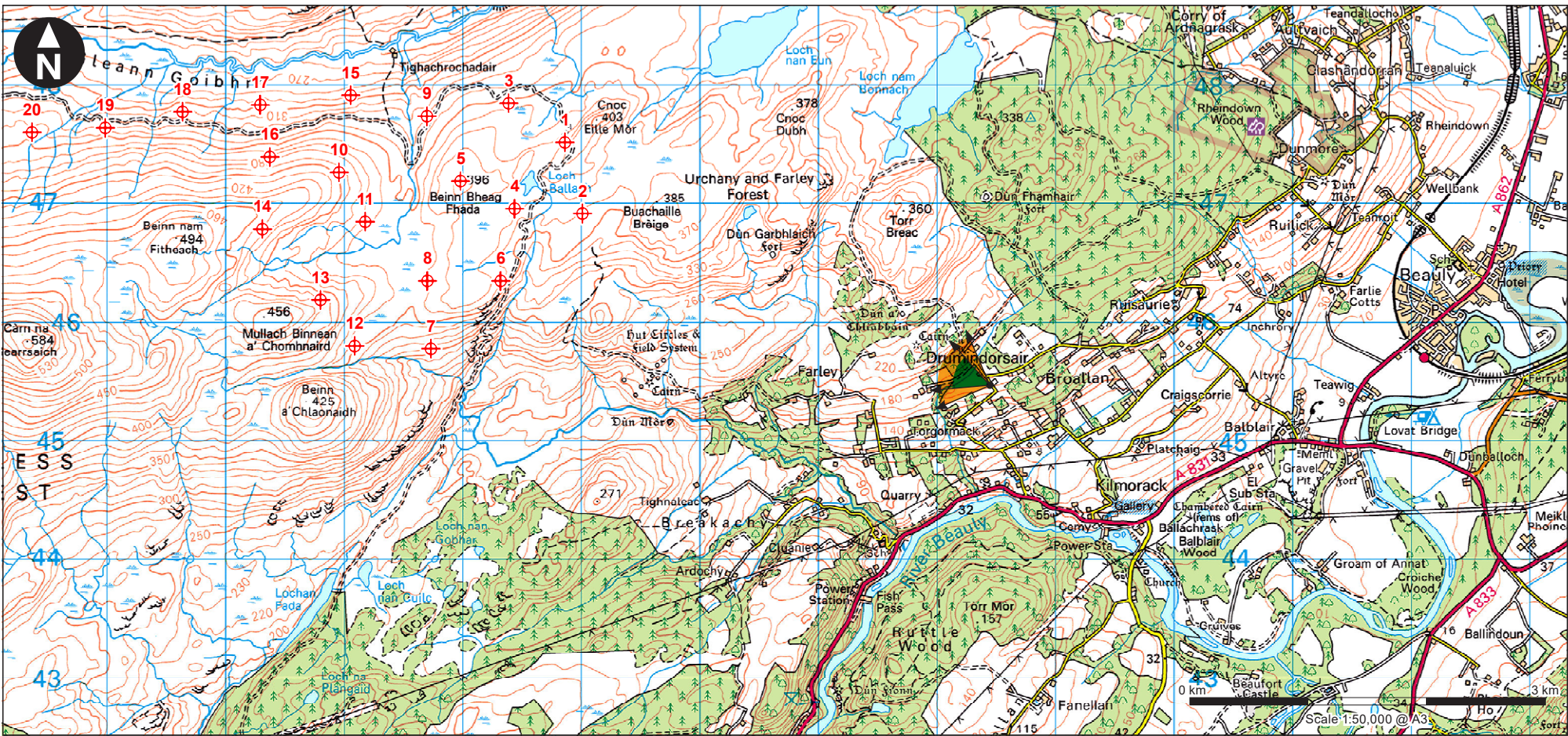


Viewpoint Parameters

OS reference:	E248 451, N845 470
Ground Level Elevation:	178m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	287°
Distance to nearest turbine:	3,729m
Number of blade tips theoretically visible ⁴ :	5
Number of hubs theoretically visible ⁴ :	3
Date and time of viewpoint photography:	20/09/2024 @ 12:50
Camera:	Sony A7 III
Lens:	50mm (Sony FE 50mm f/1.2 GM)

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.

Additional notes:

1. This figure has been based on the following parameters:
 - Turbine layout file: LBALLACH005.WFL
 - Hub height: 149m / 119m
 - Rotor diameter: 162m
 - Height to blade tip: 230m / 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.
5. This figure is produced in accordance with SNH Visual Representation of Wind Farms 2017 guidance and also broadly accords with the Landscape Institute's Technical Guidance Note 6/19 (Type 4 Visualisation).

Client



Ballach Wind Farm
Public Exhibition

Viewpoint 2:
Torgormack - Drumindorsair

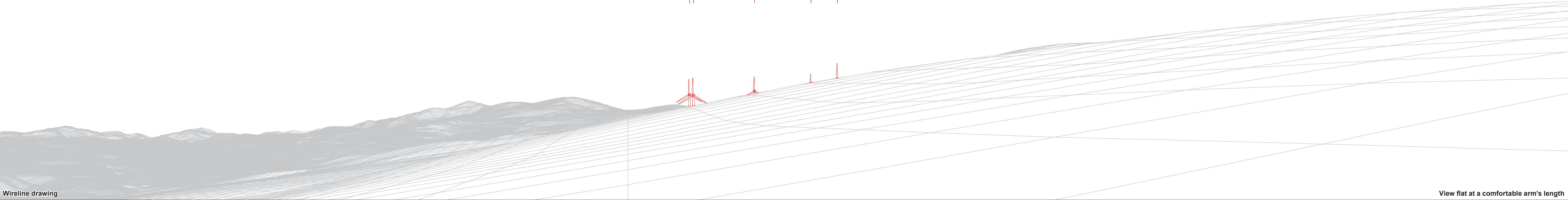
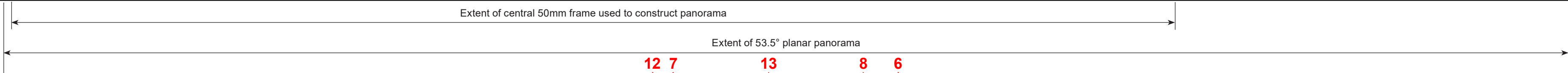
May 2025





Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: [Red tower icon] Ballach Wind Farm [Blue tower icon] Existing [Purple tower icon] Consented [Orange tower icon] Application [Green tower icon] Scoping

OS reference:	E248 451, N845 470	Horizontal field of view:	90° (cylindrical projection)	Camera:	Sony A7 III
Eye level:	179.5m AOD	Principal distance:	522mm	Lens:	50mm (Sony FE 50mm f/1.2 GM)
Direction of view:	292°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	3,364m	Correct printed image size:	820 x 130mm	Date and time:	20/09/2024 @ 12:50

Client

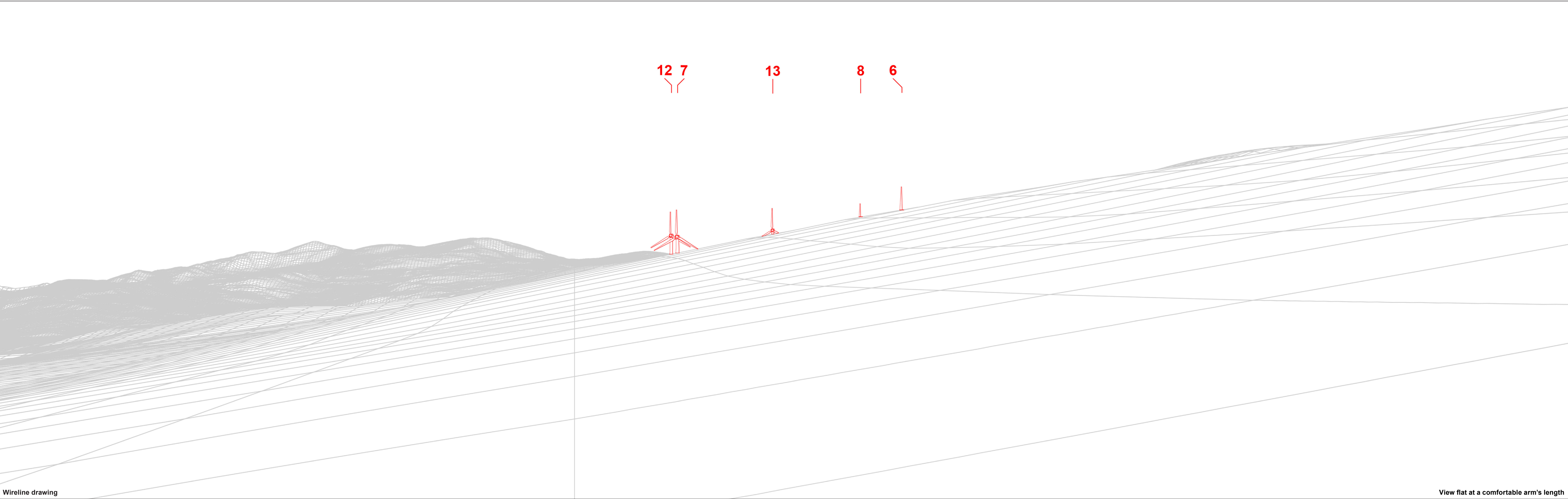
Ballach Wind Farm
Public Exhibition

Viewpoint 2:
Torgormack - Drumindorsair

May 2025

VP2 Drumindorsair - UK0037662.3719-WSP-EG-SA-00022_R2 Originator: UKCGW75

VP2 Drumindorsair: UK0037662.3719-WSPE-FG-SA-0002_R2 Originator: UKCGW75



Wireline drawing

Wind Farm Key:  Ballach Wind Farm  Existing  Consented  Application  Scoping

OS reference:	E248 451, N845 470	Horizontal field of view:	53.5° (planar projection)	Camera:	Sony A7 III
Eye level:	179.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Sony FE 50mm f/1.2 GM)
Direction of view:	292°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	3.364m	Correct printed image size:	820 x 260mm	Date and time:	20/09/2024 @ 12:50



Client
Ballach Wind Farm
Public Exhibition

Viewpoint 2:
Torgormack - Drumindorsair

View flat at a comfortable arm's length

May 2025





Photomontage

View flat at a comfortable arm's length

OS reference:	E248 451, N845 470	Horizontal field of view:	53.5° (planar projection)	Camera:	Sony A7 III
Eye level:	179.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Sony FE 50mm f/1.2 GM)
Direction of view:	292°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	3,364m	Correct printed image size:	820 x 260mm	Date and time:	20/09/2024 @ 12:50

Client		Ballach Wind Farm Public Exhibition	Viewpoint 2: Torgormack - Drumindorsair	May 2025	
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VP2 Drumindorsair: UK003762.3719-WSPE-FG-SA-00022_R2
Originator: UKCGW75



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.			OS reference:	E248 451, N845 470	Horizontal field of view:	90° (cylindrical projection)	Camera:	Sony A7 III	Client 	Ballach Wind Farm Public Exhibition	Viewpoint 2: Torgormack - Drumindorsair	
			Eye level:	179.5m AOD	Principal distance:	522mm	Lens:	50mm (Sony FE 50mm f/1.2 GM)				
			Direction of view:	292°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL				
			Nearest turbine:	3,364m	Correct printed image size:	820 x 260mm	Date and time:	20/09/2024 @ 12:50				May 2025