



# AN CÀRR DUBH WIND FARM

## PREDICTED VIEWS

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May 2023

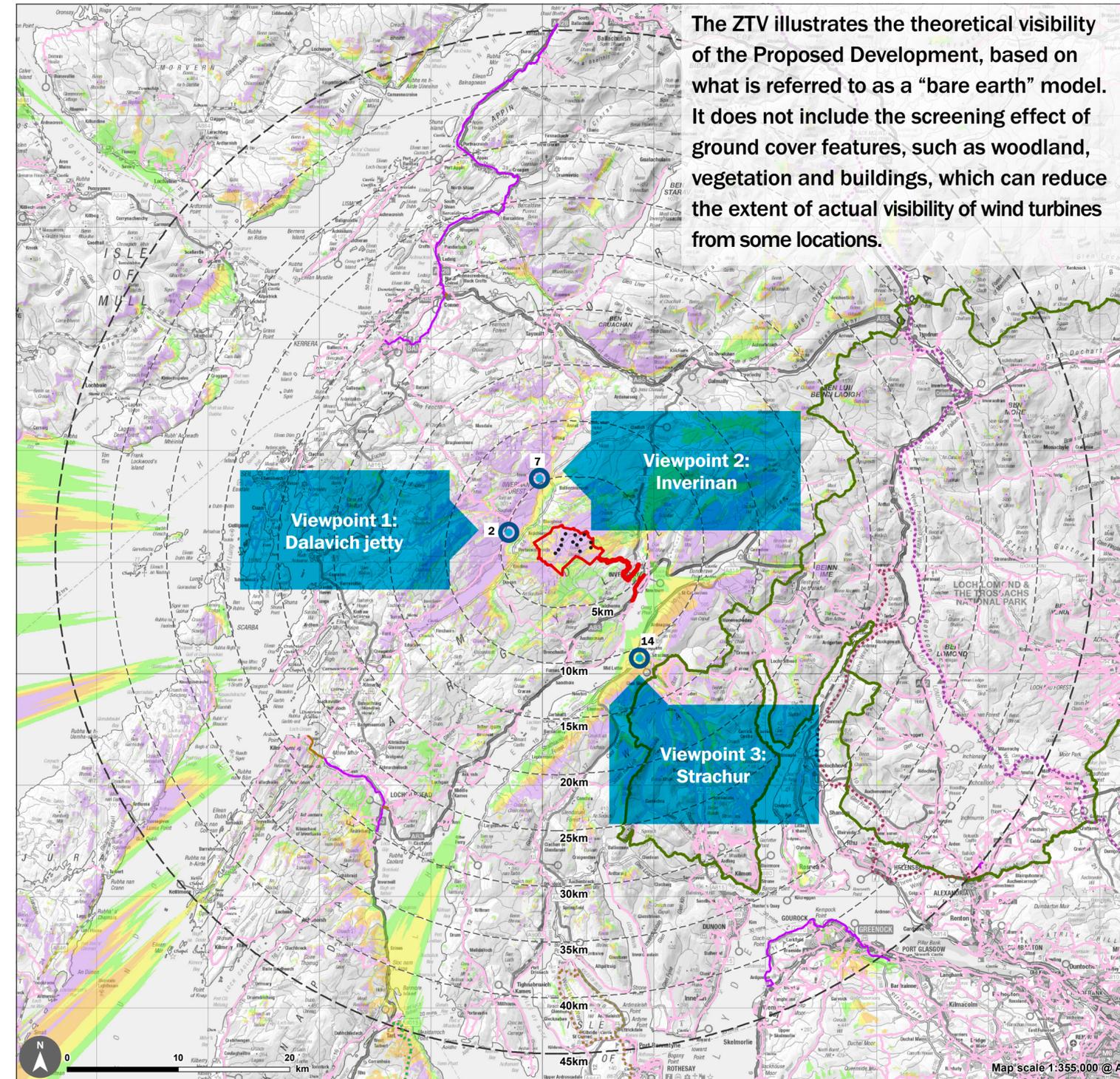
# Predicted Views

We have submitted our application for An Càrr Dubh Wind Farm and these three visualisations have been provided to demonstrate how the proposed wind farm could look at its maximum size of 13 turbines at 180m to blade tip. These three viewpoints have been shown at our previous exhibitions.

The viewpoint locations have been agreed with Argyll and Bute Council and NatureScot to ensure the most suitable locations are selected to illustrate the effects of the wind farm.

A full set of visualisations for each agreed viewpoint, which includes a baseline photo, a wire line and a photomontage of how the wind farm may look, have been provided as part of the Environmental Impact Assessment Report (EIAR) submitted with our application. In addition, as the turbines are over 150m, night time viewpoint locations have been agreed with Argyll and Bute Council and Nature Scot, and have also been included in the EIAR.

# Zone of Theoretical Visibility (ZTV)



**Key**

- Site Boundary
- Proposed Turbine
- 5 km intervals from outermost turbine
- 45 km from outermost turbine
- Loch Lomond and the Trossachs National Park
- Kintyre Way
- Three Lochs Way
- West Highland Way
- West Island Way
- National Cycle Network (NCN)
- NCN Link
- Core path

**Theoretical blade tip visibility (180m)**

- 1 - 3 turbines visible
- 4 - 6 turbines visible
- 7 - 9 turbines visible
- 10 - 13 turbines visible

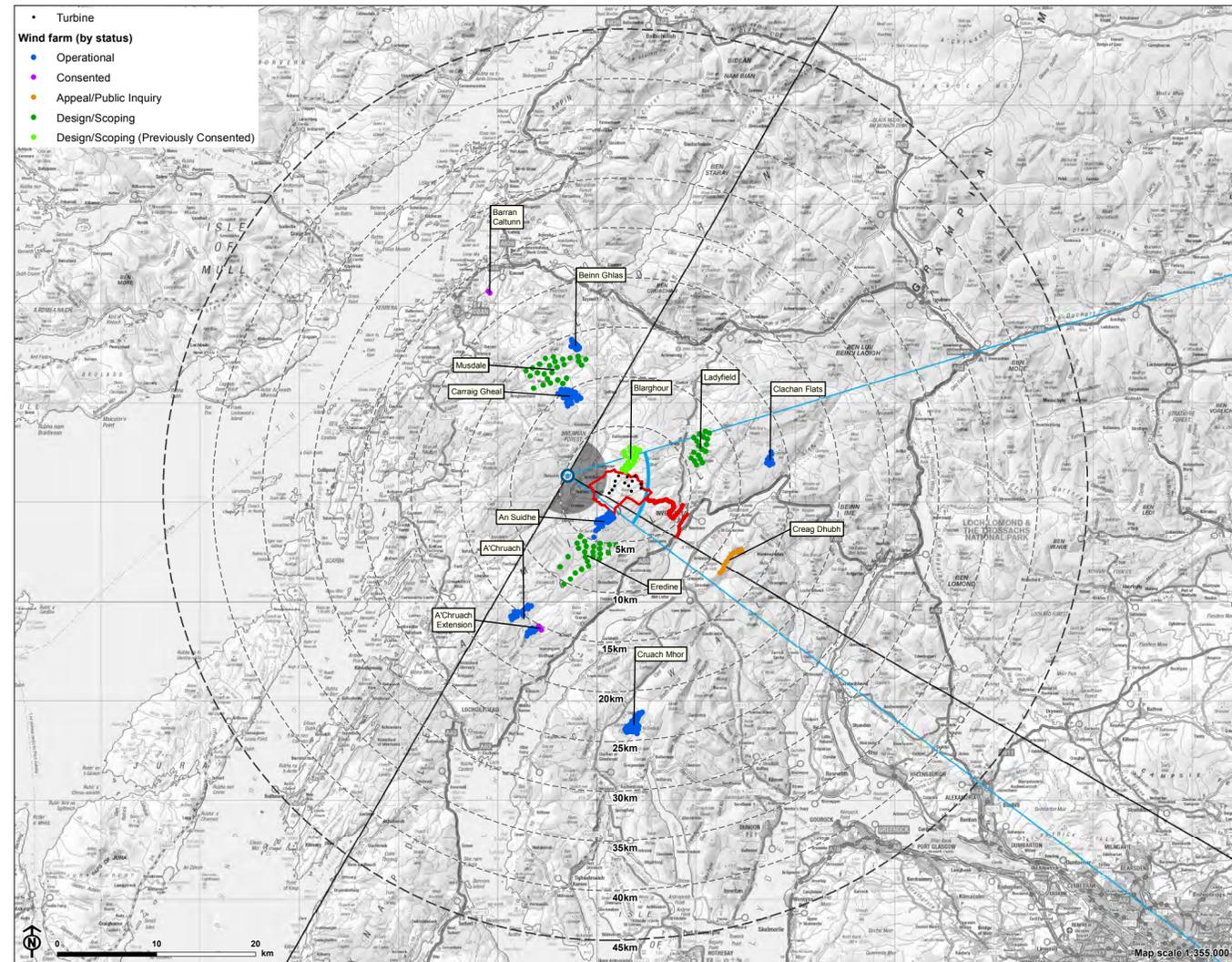
**○ Predicted Views**

- 1 Dalavich Jetty
- 2 Inverinan
- 3 A886 at Strachur

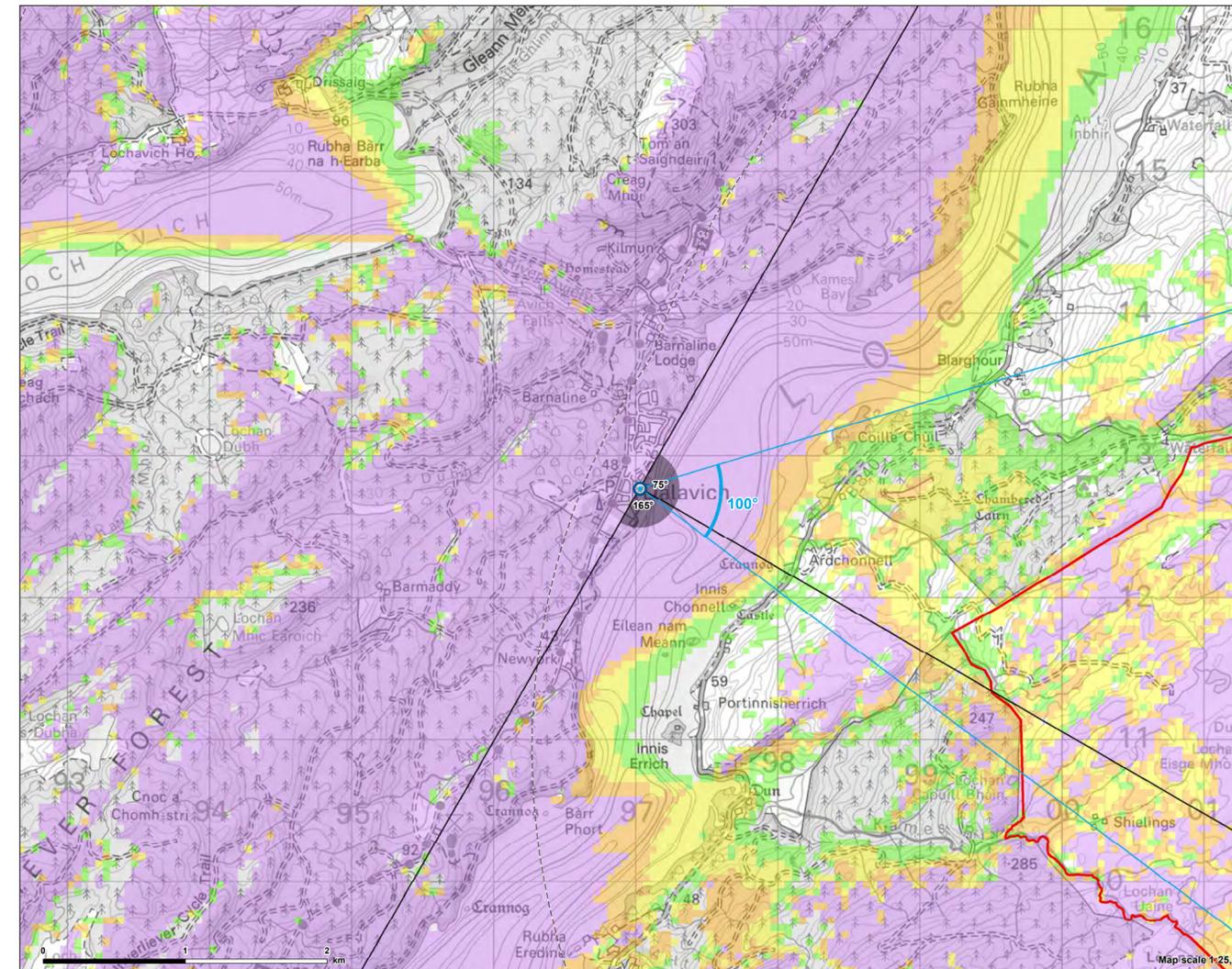
The ZTVs are calculated to turbine tip height (180m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTVs have been calculated using ArcMap 10.8.1 software.

# Predicted View 1: Dalavich Jetty

## VIEWPOINT LOCATION



## ZTV



- Key**
- Site Boundary
  - Proposed Turbine
  - 5 km intervals from outermost turbine
  - 45 km from outermost turbine
  - Viewpoint

### Theoretical blade tip visibility (180m)

- 1 - 3 turbines visible
- 4 - 6 turbines visible
- 7 - 9 turbines visible
- 10 - 13 turbines visible
- ↗ 53.5° Field of View
- ↘ 90° Field of View

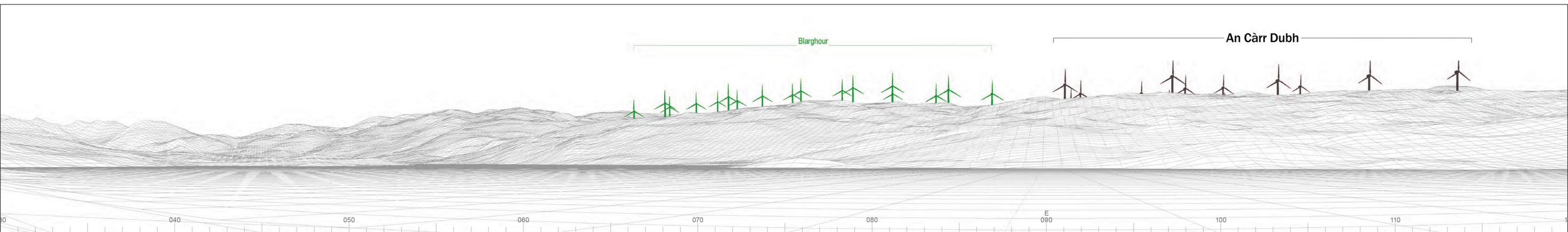
The ZTVs are calculated to turbine tip height (180m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTVs have been calculated using ArcMap 10.8.1 software.

# Predicted View 1: Dalavich Jetty

## BASELINE PHOTOGRAPH



## WIRELINER DRAWING



Wireline showing current proposed layout.  
13 turbines @ 180m to blade tip height.

OS reference: 197029E 712770N  
AOD: 39.26 m  
Direction of view: 75°  
Nearest turbine: 4.63 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 D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
Photography Time: 15:04:00 (GMT)

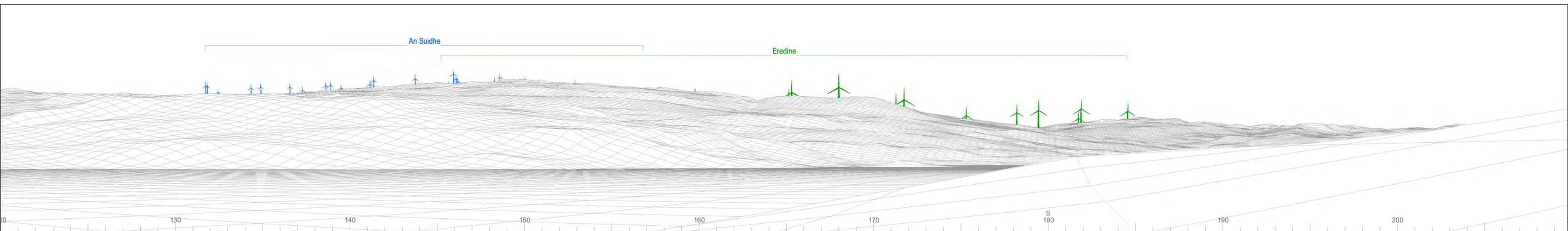
Wind Farm Developments key (by status):  
**Proposed scheme**  
**Operational**  
**Under construction**  
**Consented**  
**Application**  
**Scoping**  
**Appeal/PLI**

# Predicted View 1: Dalavich Jetty

## BASELINE PHOTOGRAPH



## WIRELINE DRAWING



Wireline showing current proposed layout.  
13 turbines @ 180m to blade tip height.

OS reference: 197029E 712770N  
AOD: 39.26 m  
Direction of view: 165°  
Nearest turbine: 4.63 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 D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
Photography Time: 15:04:00 (GMT)

Wind Farm Developments key (by status):  
**Proposed scheme**  
**Operational**  
**Under construction**  
**Consented**  
**Application**  
**Scoping**  
**Appeal/PLI**

# Predicted View 1: Dalavich Jetty

## PREDICTED VIEW



Photomontage showing current proposed layout.  
13 turbines @ 180m to blade tip height.

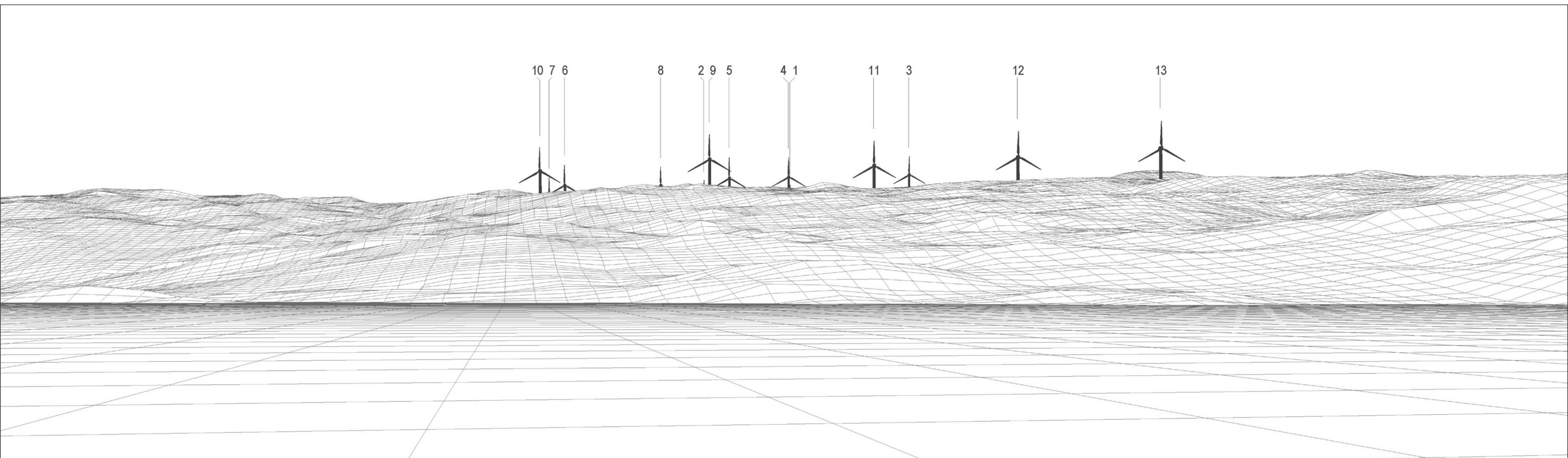
OS reference: 197029E 712770N  
AOD: 39.26 m  
Direction of view: 100°  
Nearest turbine: 4.63 km

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

Camera: Nikon D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
Photography Time: 15:04:00 (GMT)

# Predicted View 1: Dalavich Jetty

## WIRELINER DRAWING



Wireline showing current proposed layout.  
13 turbines @ 180m to blade tip height.

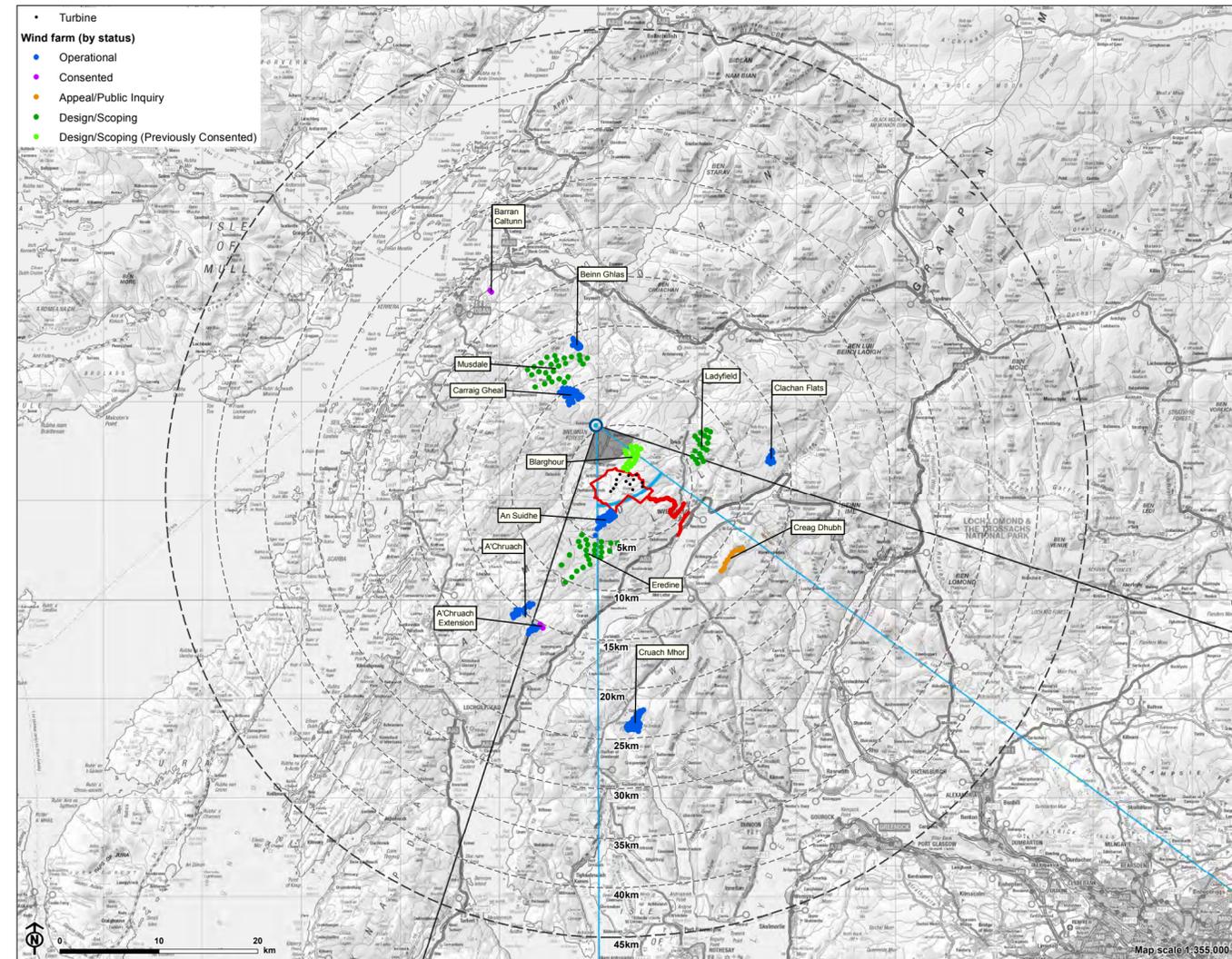
OS reference: 197029E 712770N  
AOD: 39.26 m  
Direction of view: 100°  
Nearest turbine: 4.63 km

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

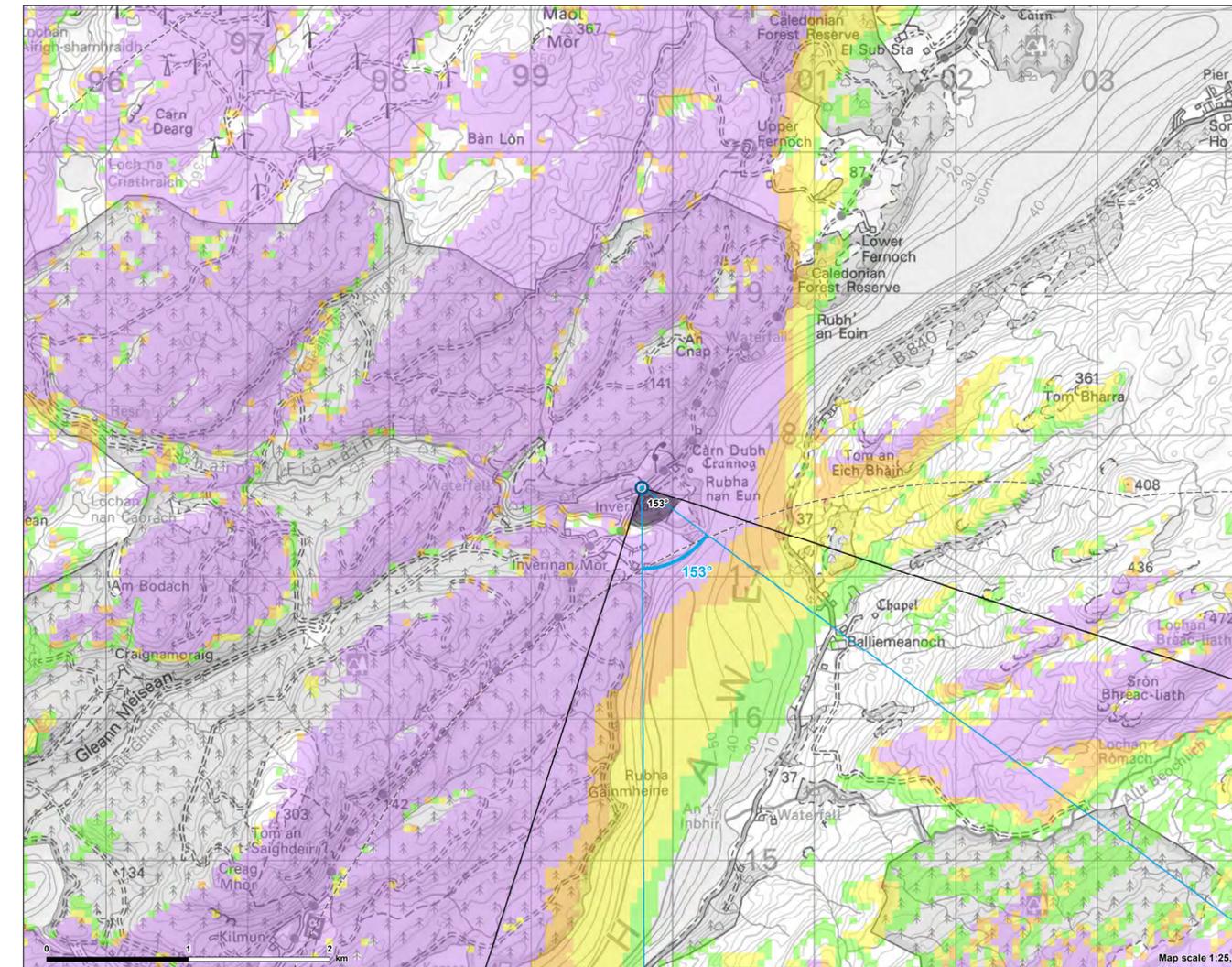
Wind Farm Developments key (by status):  
**Proposed scheme**      **Application**  
**Operational**            **Scoping**  
**Under construction**   **Appeal/PLI**  
**Consented**

# Predicted View 2: Inverinan

## VIEWPOINT LOCATION



## ZTV



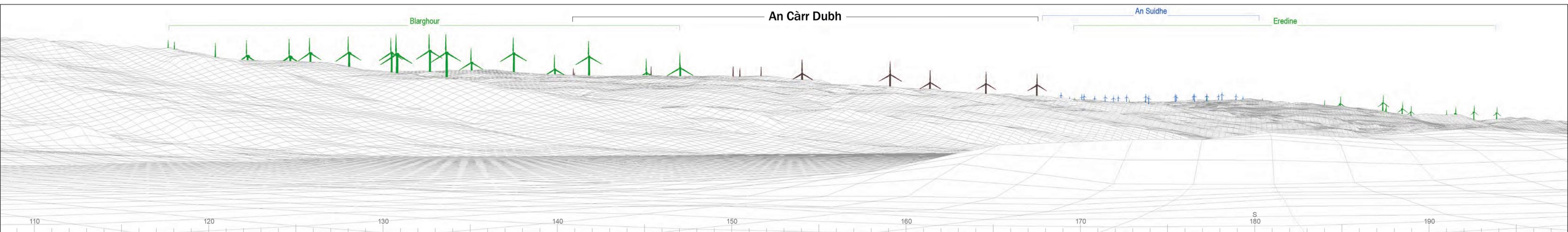
The ZTVs are calculated to turbine tip height (180m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTVs have been calculated using ArcMap 10.8.1 software.

# Predicted View 2: Inverinan

## BASELINE PHOTOGRAPH



## WIRELINER DRAWING



Wireline showing current proposed layout.  
13 turbines @ 180m to blade tip height.

OS reference: 199781E 717634N  
AOD: 52.46 m  
Direction of view: 153°  
Nearest turbine: 5.52 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 D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
Photography Time: 16:14:00 (GMT)

Wind Farm Developments key (by status):  
**Proposed scheme**  
**Operational**  
**Under construction**  
**Consented**  
**Application**  
**Scoping**  
**Appeal/PLI**

# Predicted View 2: Inverinan

## PREDICTED VIEW



Photomontage showing current proposed layout.  
13 turbines @ 180m to blade tip height.

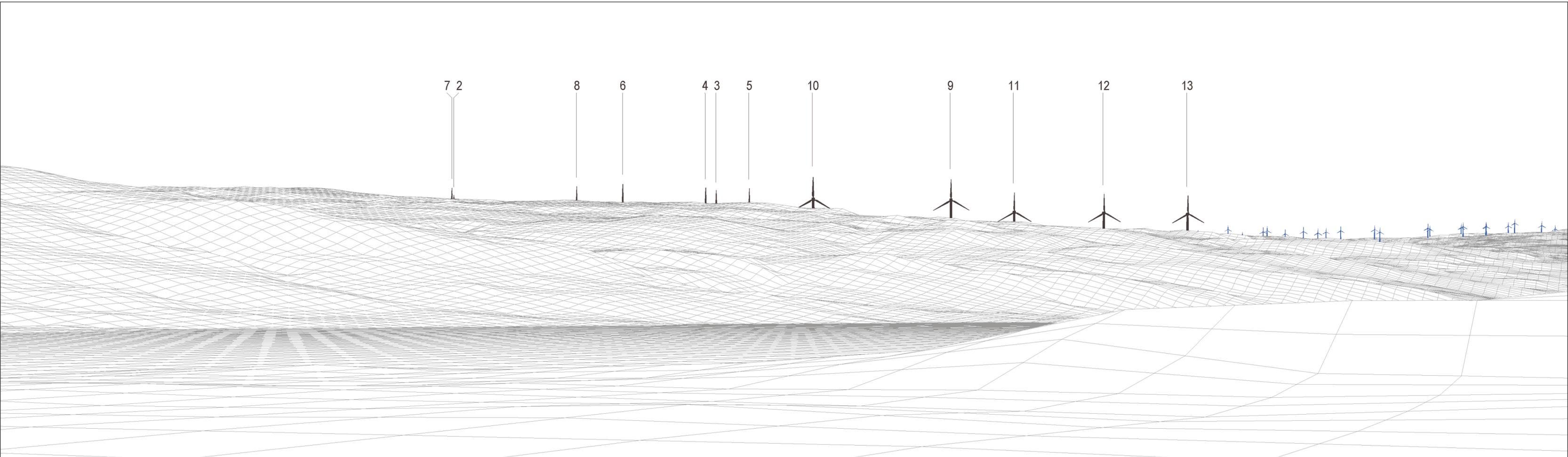
OS reference: 199781E 717634N  
AOD: 52.46 m  
Direction of view: 153°  
Nearest turbine: 5.52 km

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 D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
Photography Time: 16:14:00 (GMT)

# Predicted View 2: Inverinan

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Direction of view: 153°  
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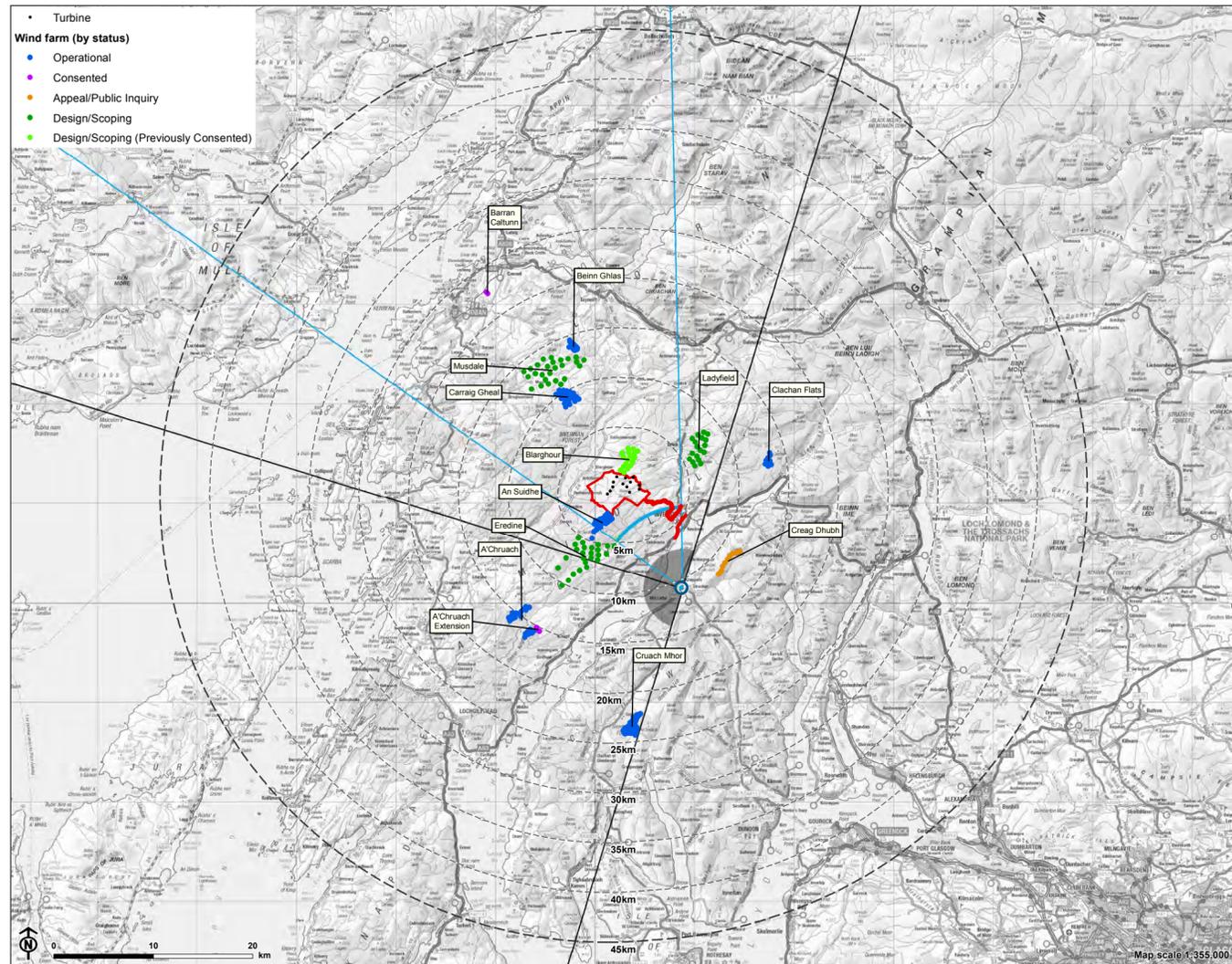
Horizontal field of view: 53.5° (planar projection)  
Principal distance: 812.5 mm  
Paper size: 841 x 297 mm (half A1)  
Correct printed image size: 820 x 260 mm

Wind Farm Developments key (by status):

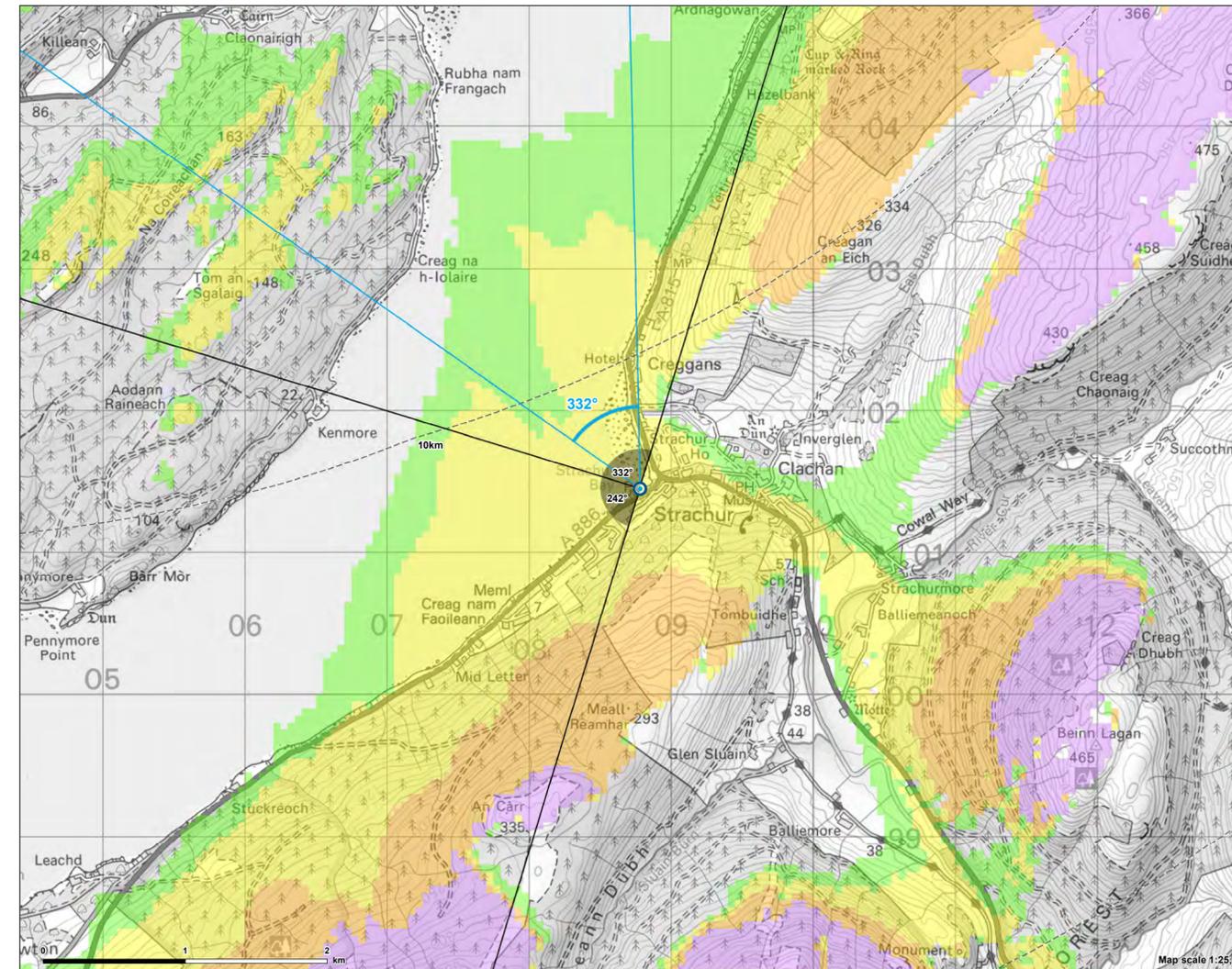
<b>Proposed scheme</b>	<b>Application</b>
<b>Operational</b>	<b>Scoping</b>
<b>Under construction</b>	<b>Appeal/PLI</b>
<b>Consented</b>	

# Predicted View 3: Strachur

## VIEWPOINT LOCATION



## ZTV



- Key**
- Site Boundary
  - Proposed Turbine
  - 5 km intervals from outermost turbine
  - 45 km from outermost turbine
  - Viewpoint

- Theoretical blade tip visibility (180m)**
- 1 - 3 turbines visible
  - 4 - 6 turbines visible
  - 7 - 9 turbines visible
  - 10 - 13 turbines visible
  - ↙ 53.5° Field of View
  - ↘ 90° Field of View

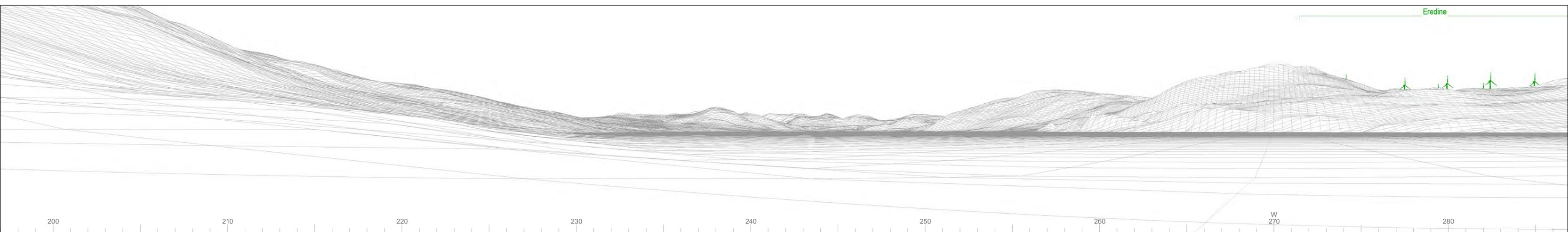
The ZTVs are calculated to turbine tip height (180m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTVs have been calculated using ArcMap 10.8.1 software.

# Predicted View 3: Strachur

## BASELINE PHOTOGRAPH



## WIRELINER DRAWING



Wireline showing current proposed layout.  
13 turbines @ 180m to blade tip height.

OS reference: 208779E 701453N  
AOD: 2.92 m  
Direction of view: 242°  
Nearest turbine: 10.87 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 D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
Photography Time: 10:43:00 (GMT)

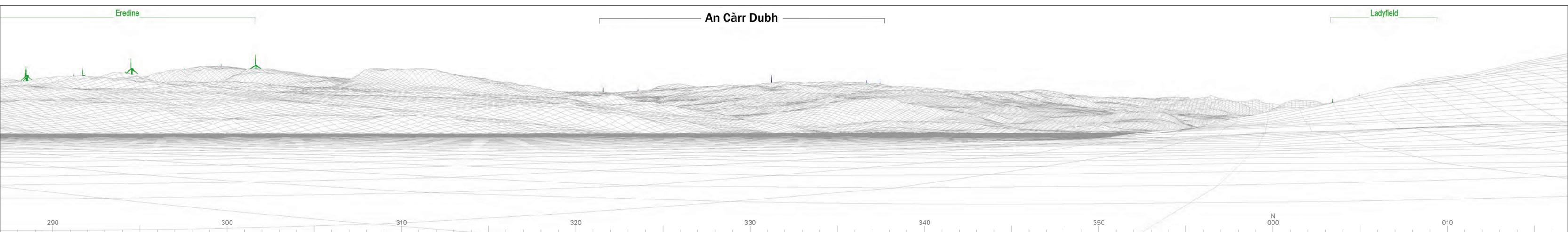
Wind Farm Developments key (by status):  
**Proposed scheme**  
**Operational**  
**Under construction**  
**Consented**  
**Application**  
**Scoping**  
**Appeal/PLI**

# Predicted View 3: Strachur

## BASELINE PHOTOGRAPH



## WIRELINE DRAWING



Wireline showing current proposed layout.  
13 turbines @ 180m to blade tip height.

OS reference: 208779E 701453N  
AOD: 2.92 m  
Direction of view: 332°  
Nearest turbine: 10.87 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 D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
Photography Time: 10:43:00 (GMT)

Wind Farm Developments key (by status):  
**Proposed scheme**  
**Operational**  
**Under construction**  
**Consented**  
**Application**  
**Scoping**  
**Appeal/PLI**

# Predicted View 3: Strachur

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## PREDICTED VIEW



Photomontage showing current proposed layout.  
13 turbines @ 180m to blade tip height.

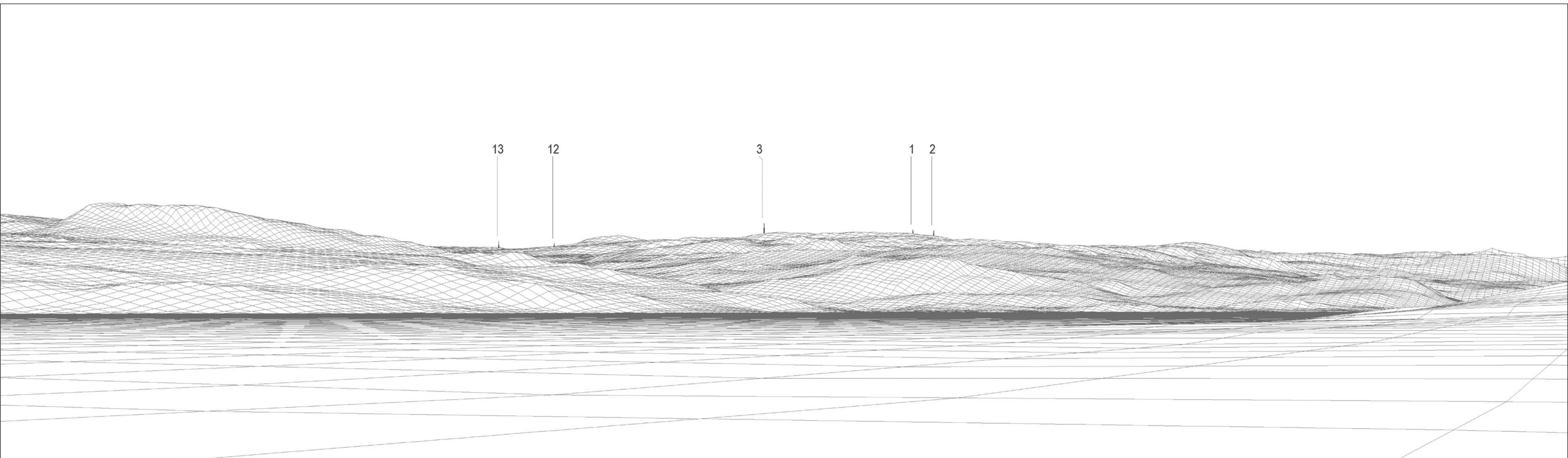
OS reference: 208779E 701453N  
AOD: 2.92 m  
Direction of view: 332°  
Nearest turbine: 10.87 km

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 D600  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m  
Photography Date: 27/05/2021  
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# Predicted View 3: Strachur

## WIRELINE DRAWING



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**Consented**