Proposed Repowering of Existing Kilgarvan Wind Farm

EIAR Volume 2
Photomontage Booklet

METHODOLOGY

The full methodology used for production of photomontages, Viewpoint Selection and impact assessment are included in Appendix 13-1 - LVIA Methodology

The following two guidance documents are considered the industry benchmark for producing photomontages specifically for wind energy developments and were the standards adhered to during the production of photomontages for this booklet

- 'Visual Representation of Wind Farms: Version 2.2' (Scottish Natural Heritage, 2017)
- 'Visual Representation of Development Proposals' (Landscape Institute Technical Guidance Note 06/19, 2019) (hereafter, LI TGN 06/19)

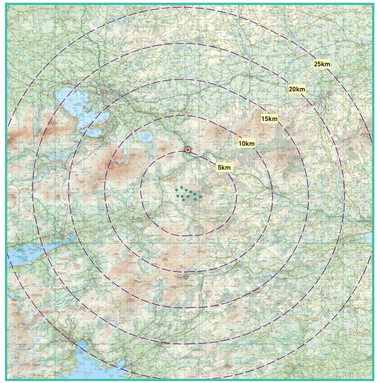
View Point 01

Inch

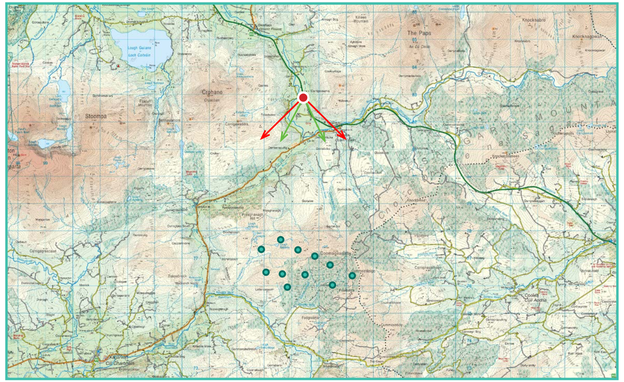
Photomontage 01

View from the N22 national road in the townland of Inch. This viewpoint is located approximately 5.2km north from the nearest proposed turbine (T6).

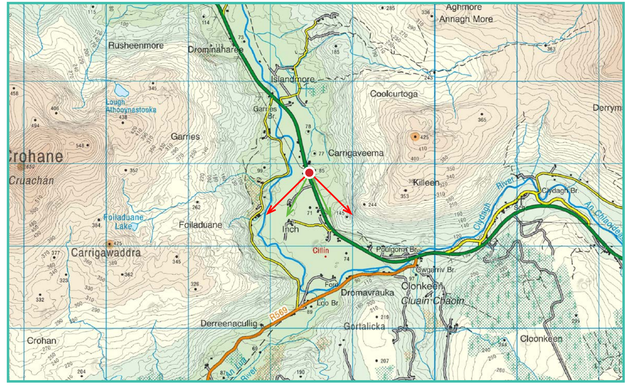
View point grid reference	(E) 508437 (N) 582919
Date of image taken	31.03.2022
Time of image taken	09:22
View point elevation	70m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	180°
Horizontal extent of proposed turbines	30°
Distance to nearest proposed turbine	5.2 km (T6)
Number of proposed turbines visible	7/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

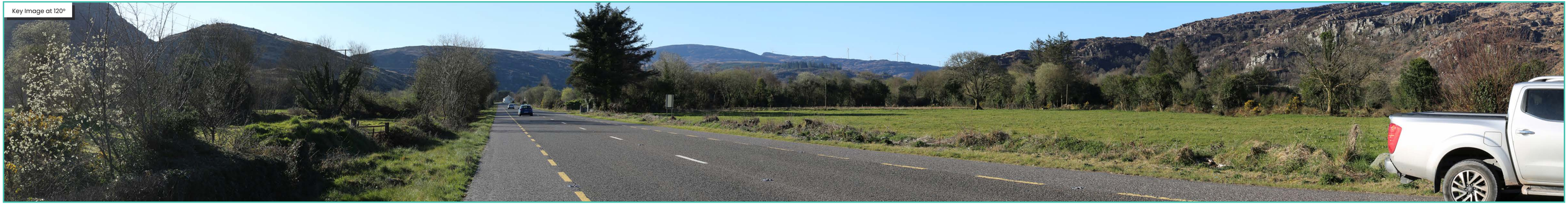
Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

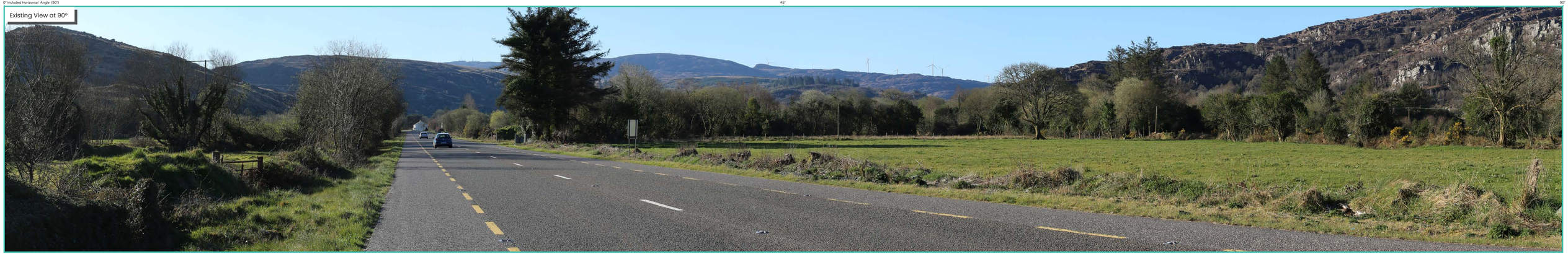
90° View Extent



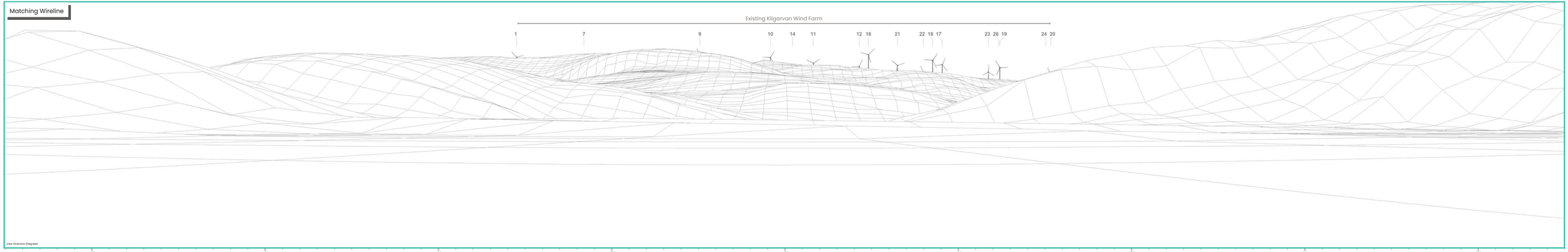
53.5° View Extent

0° Included Horizontal Angle (90°) 45° 90°

Existing View at 90°

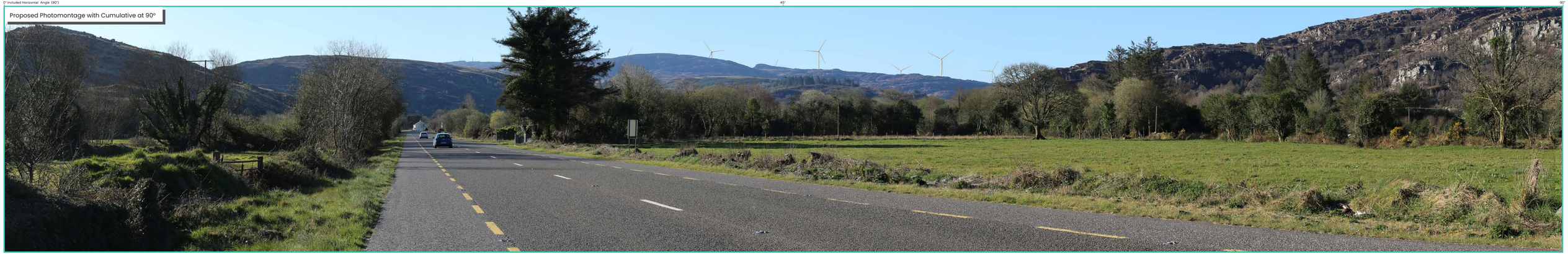


Matching Wireline

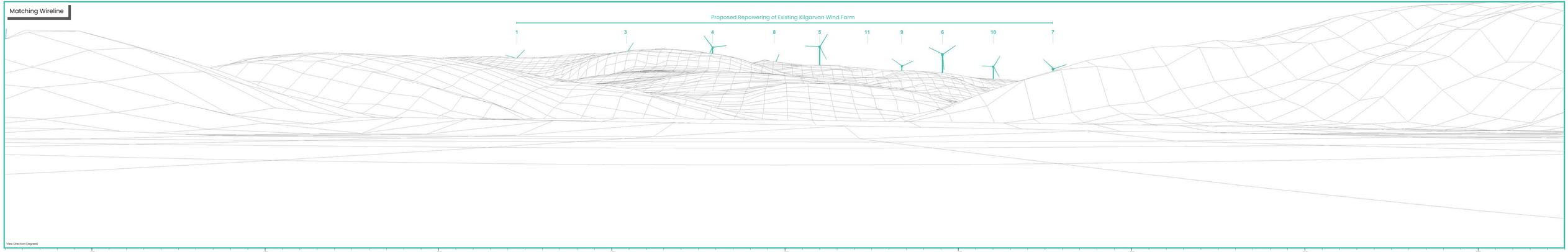


0° Included Horizontal Angle (90°) 45° 90°

Proposed Photomontage with Cumulative at 90°



Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

160°

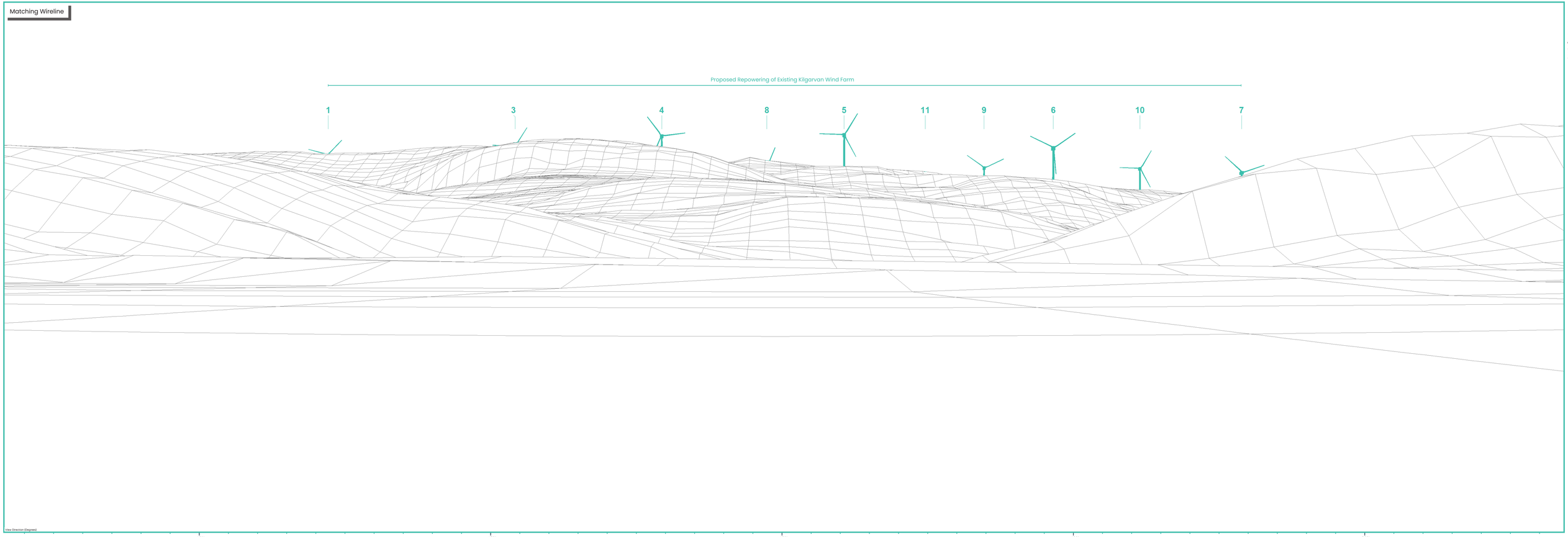
170°

180°

190°

200°

Matching Wireline

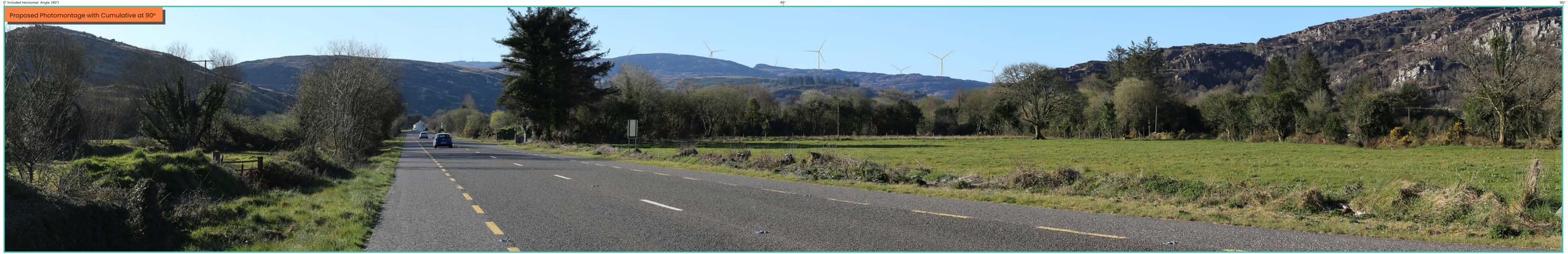


VP01
TURBINE ENVELOPE RANGE

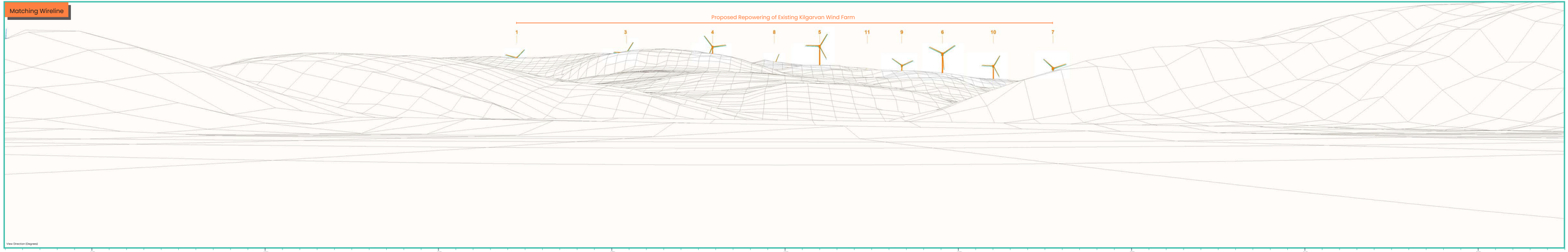
122.5m Hub Height & 155m Rotor Diameter

0° Included Horizontal Angle (90°) 45° 90°

Proposed Photomontage with Cumulative at 90°



Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

160°

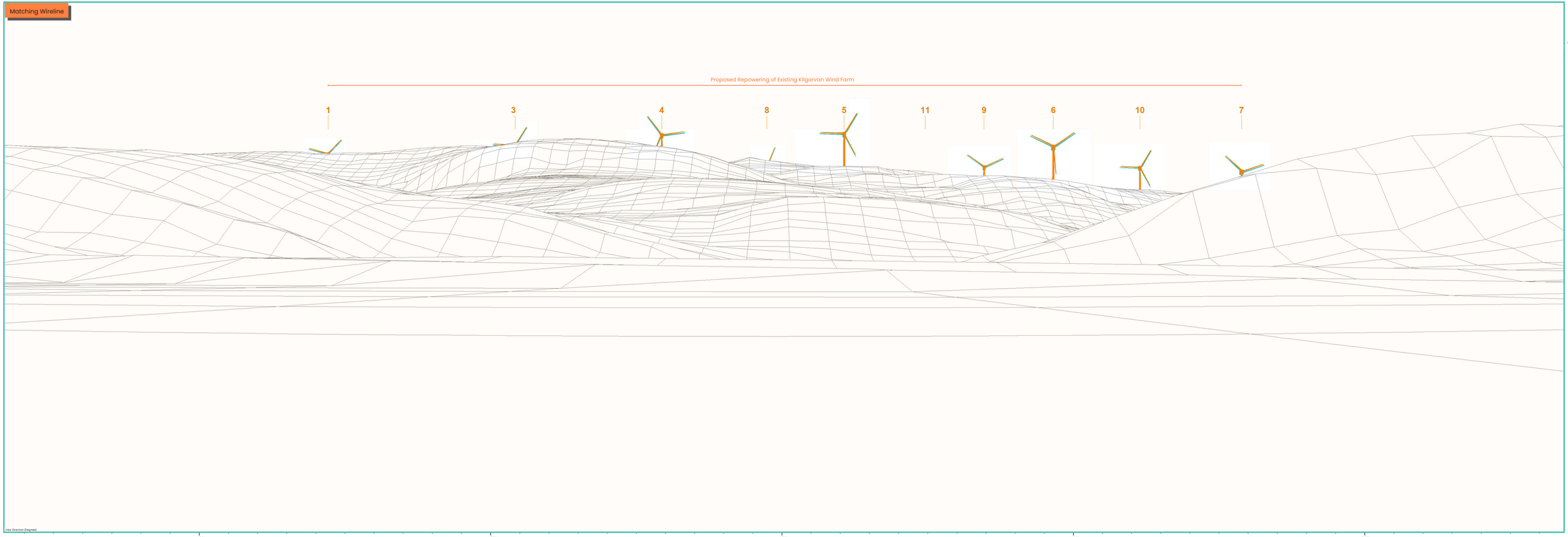
170°

180°

190°

200°

Matching Wireline



0° Included Vertical Angle (18.2°)

9.1°

18.2°

VP01
TURBINE ENVELOPE RANGE

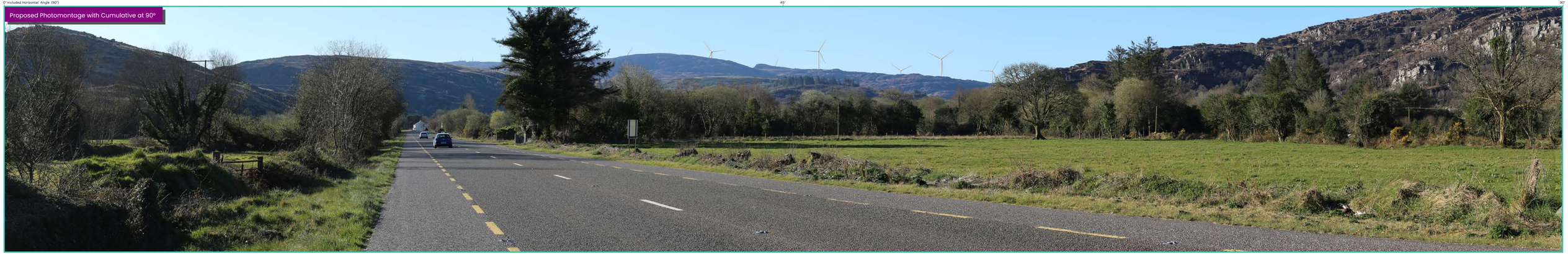
125m Hub Height & 149m Rotor Diameter

0° Included Horizontal Angle (90°)

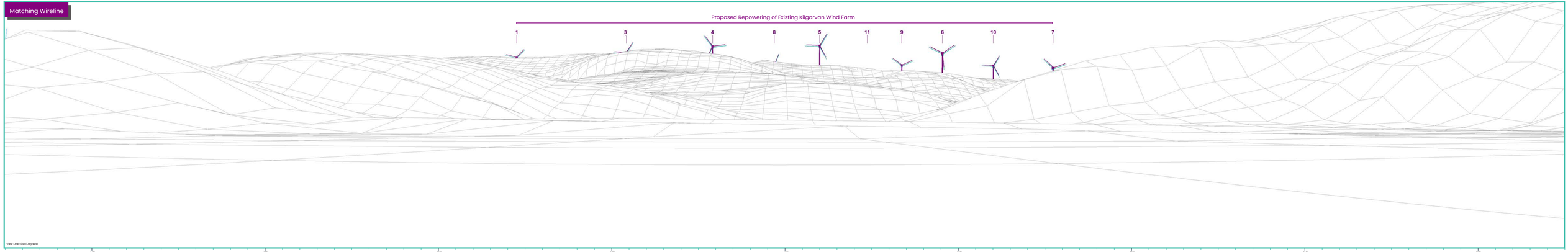
45°

90°

Proposed Photomontage with Cumulative at 90°



Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

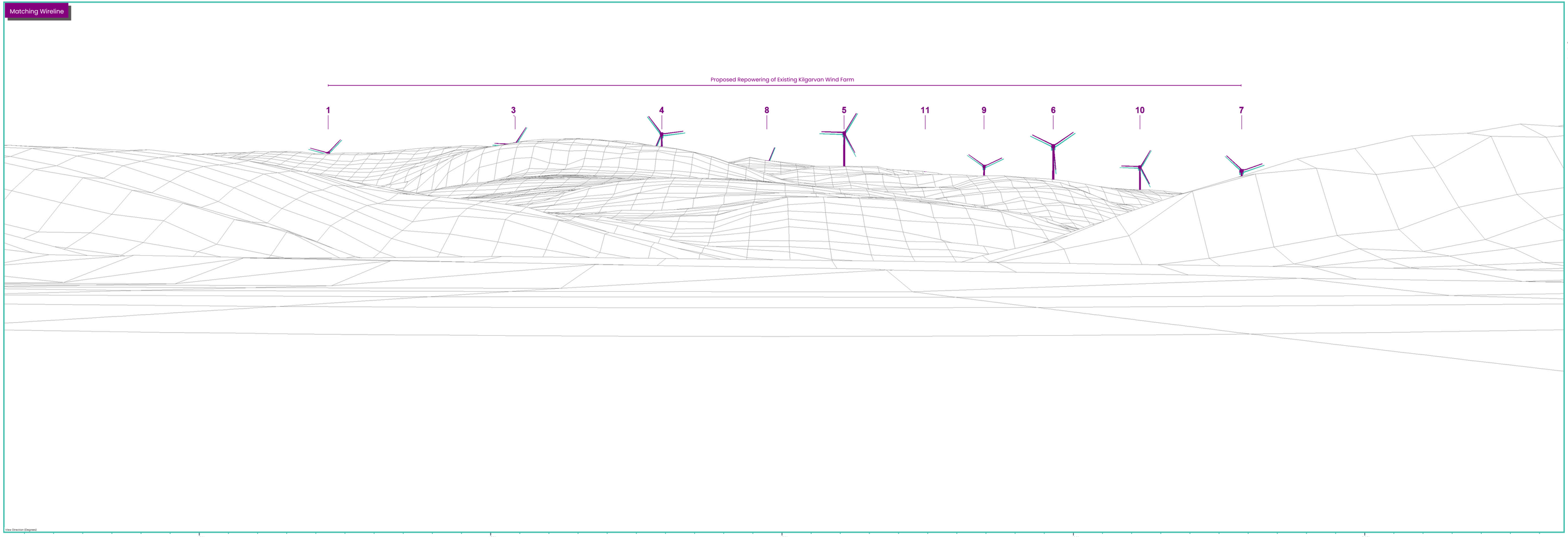
53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Matching Wireline



0° Included Vertical Angle (18.2°)

9.1°

18.2°

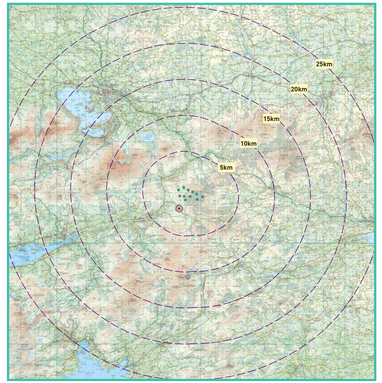
View Point 02

Gortmarrahafineen

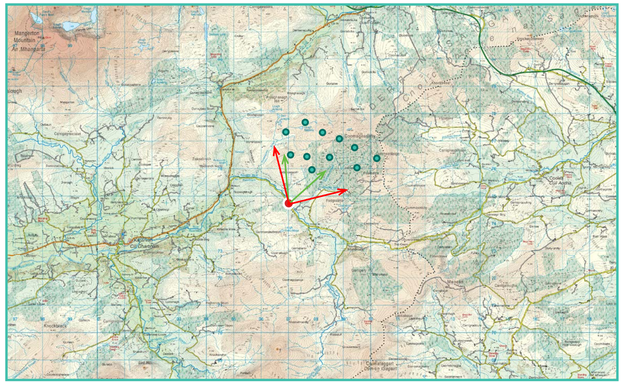
Photomontage 02

View from a County Kerry designated Scenic Route in the townland of Gortmarrahafineen. This viewpoint is located approximately 1.5km south-west from the nearest proposed turbine (T11).

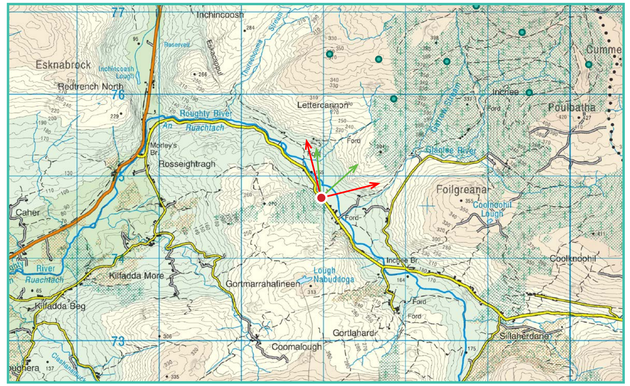
View point grid reference	(E) 506936 (N) 574792
Date of image taken	31.03.2022
Time of image taken	11:24
View point elevation	159m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	31° / 21°
Horizontal extent of proposed turbines	64°
Distance to nearest proposed turbine	1.5km (T11)
Number of proposed turbines visible	6/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

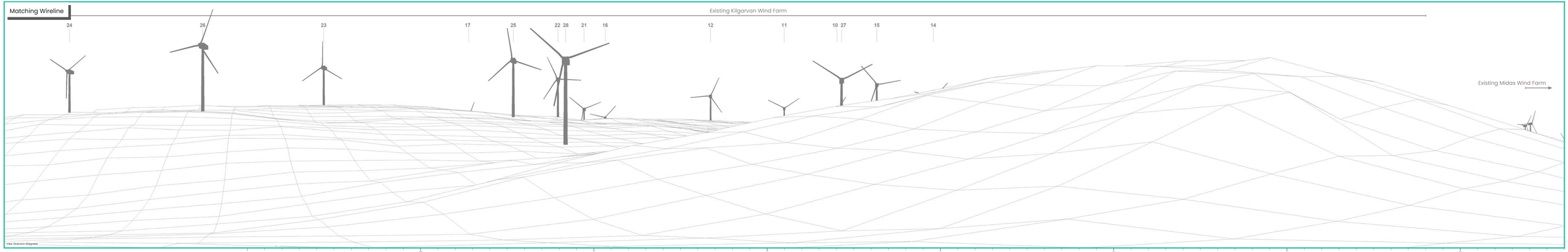
90° View Extent

53.5° View Extent

0° Included Horizontal Angle (90°)

45°

90°



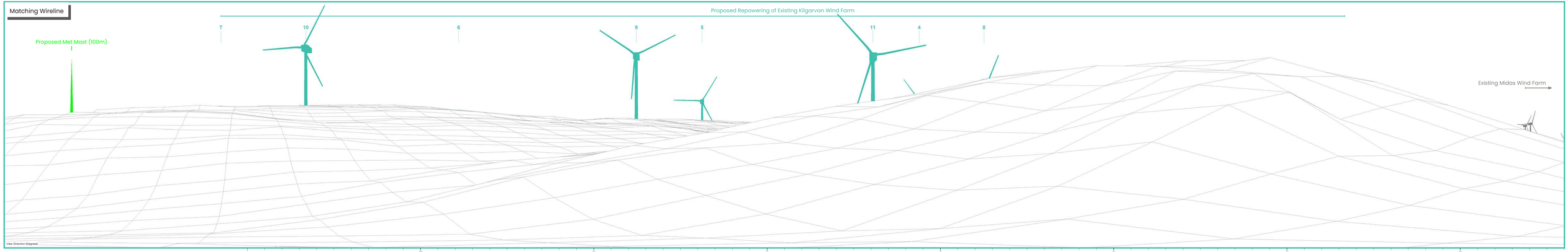
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

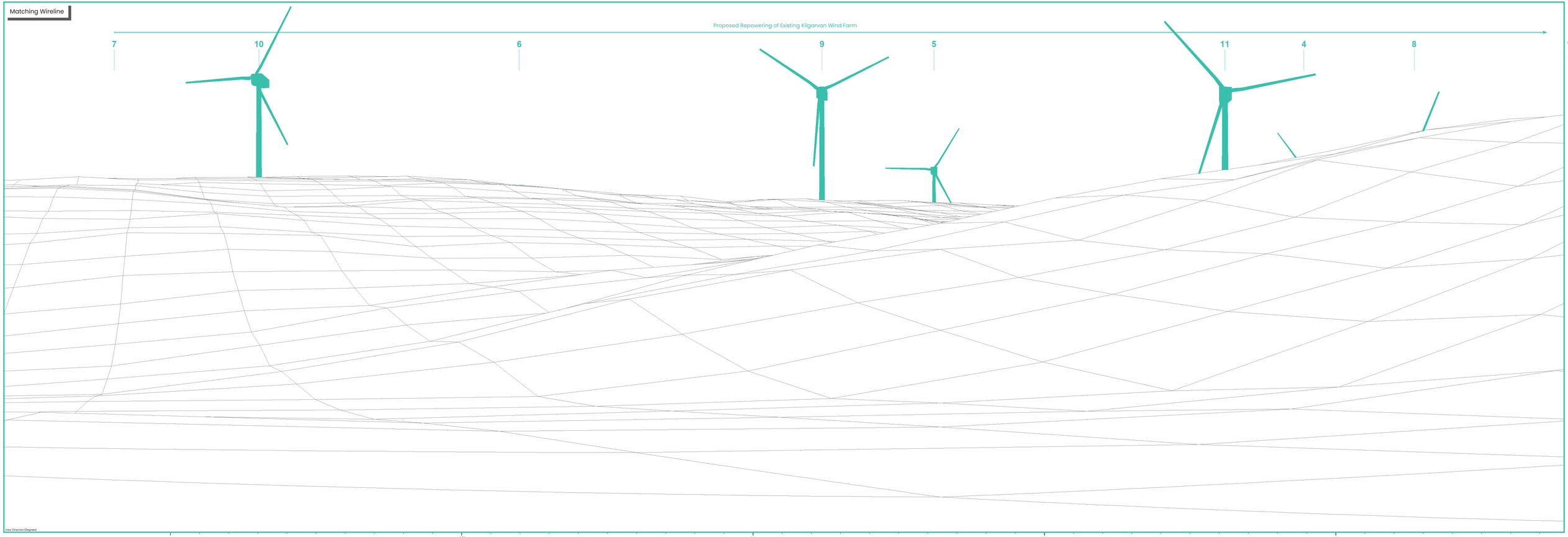
53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Matching Wireline



VP02
TURBINE ENVELOPE RANGE

122.5m Hub Height & 155m Rotor Diameter

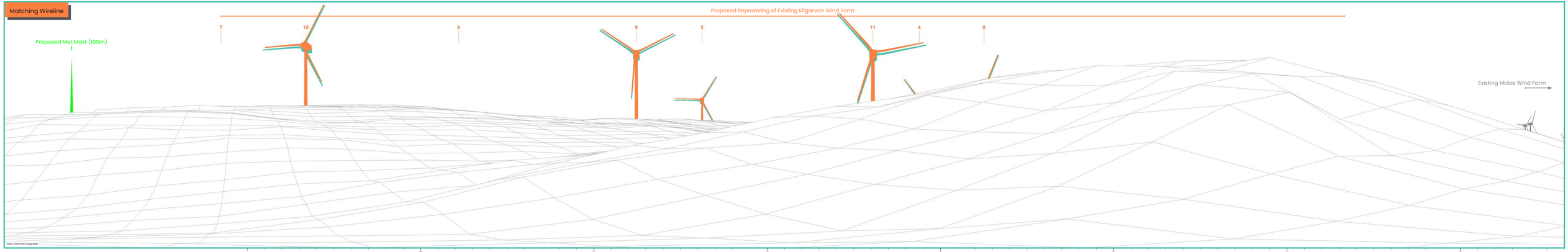
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

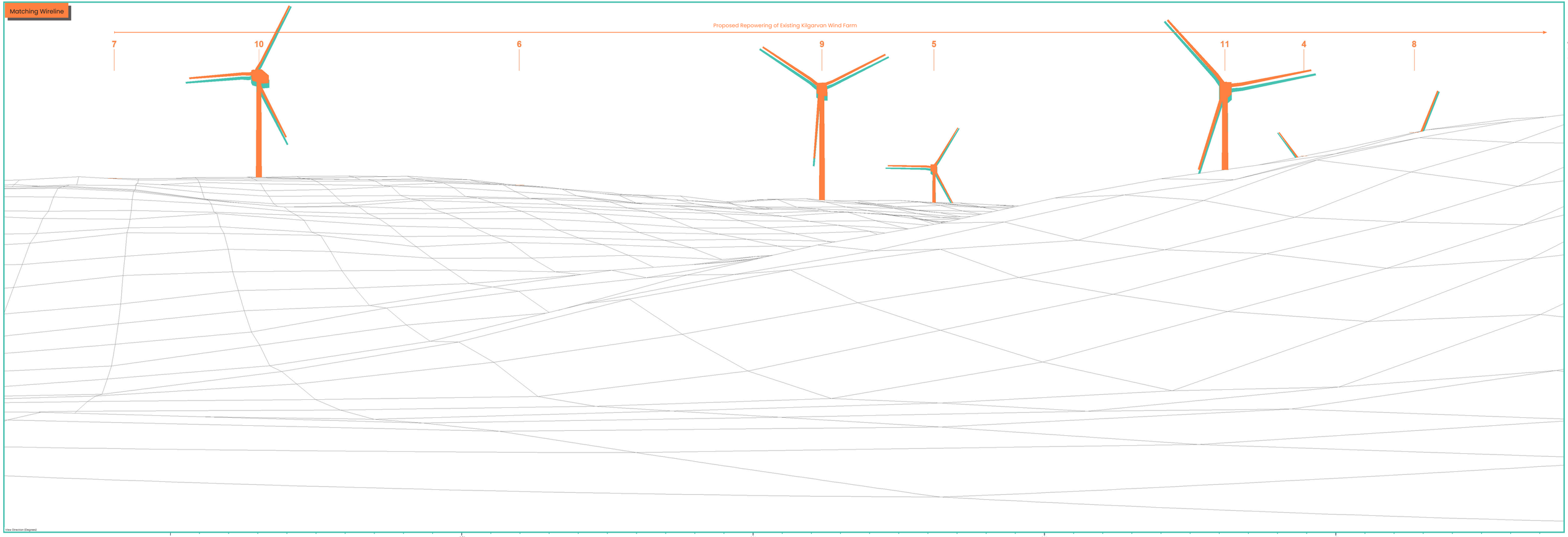
26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°


Matching Wireline
Proposed Repowering of Existing Kilgarvan Wind Farm
7
10
6
9
5
11
4
8
View Direction (Degrees)
10°
20°
30°
40°
0° Included Vertical Angle (18.2°)
9.1°
18.2°

VP02
TURBINE ENVELOPE RANGE

125m Hub Height & 149m Rotor Diameter

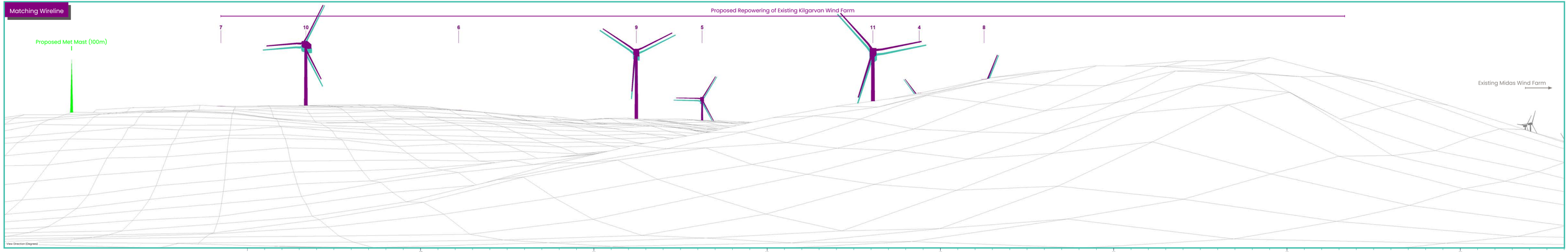
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

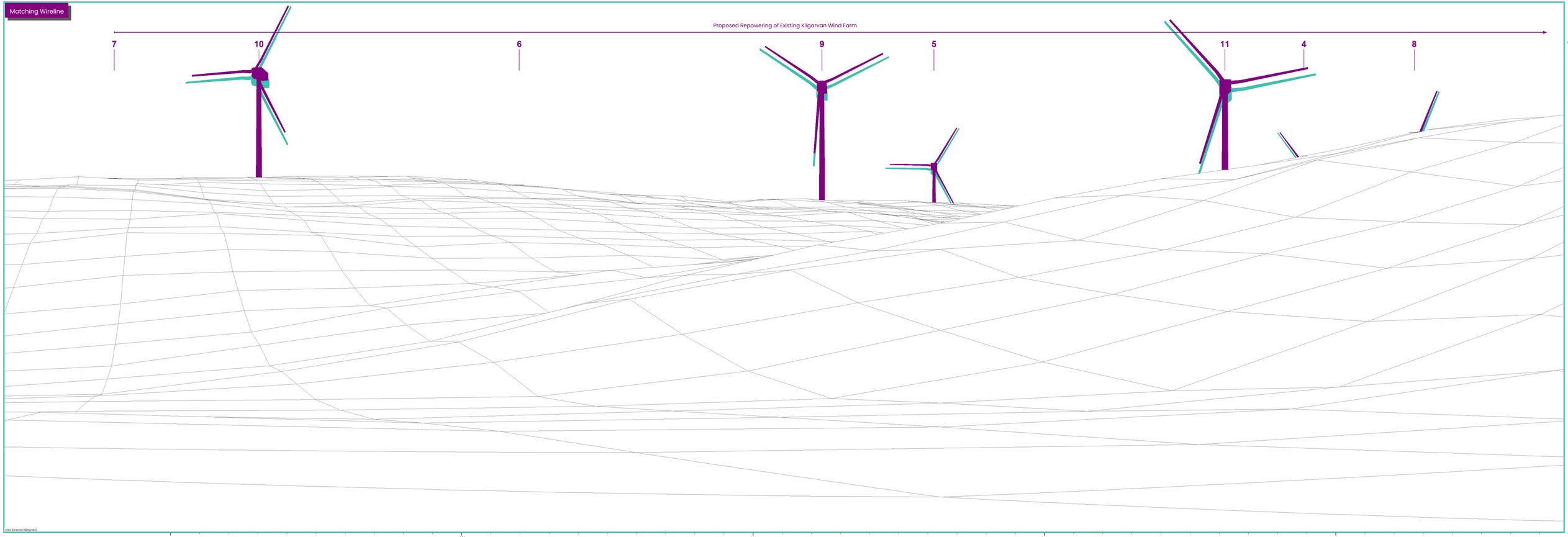
53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Matching Wireline



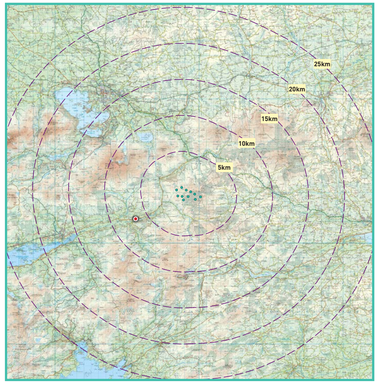
View Point 03

Kilgarvan Village

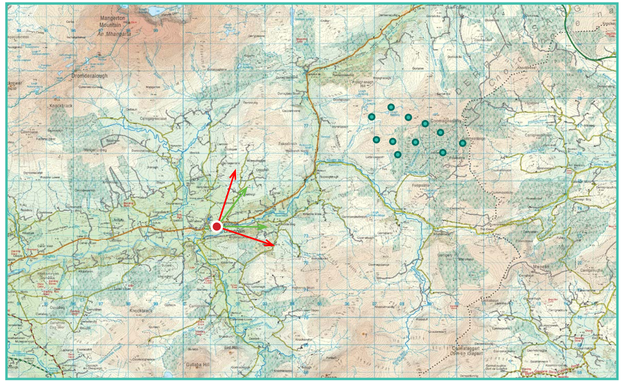
Photomontage 03

View from Kilgarvan Village along the R569 Regional Road. This viewpoint is located approximately 6.6km south-west of the nearest proposed turbine (T10).

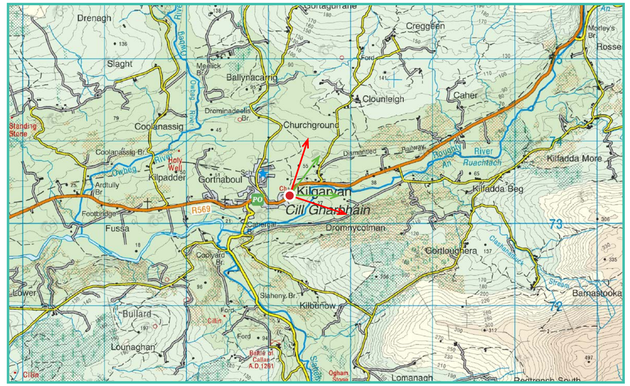
View point grid reference	(E) 501229 (N) 573398
Date of image taken	31.03.2022
Time of image taken	12:23
View point elevation	42m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	63°
Horizontal extent of proposed turbines	17°
Distance to nearest proposed turbine	6.6km (T10)
Number of proposed turbines visible	11/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

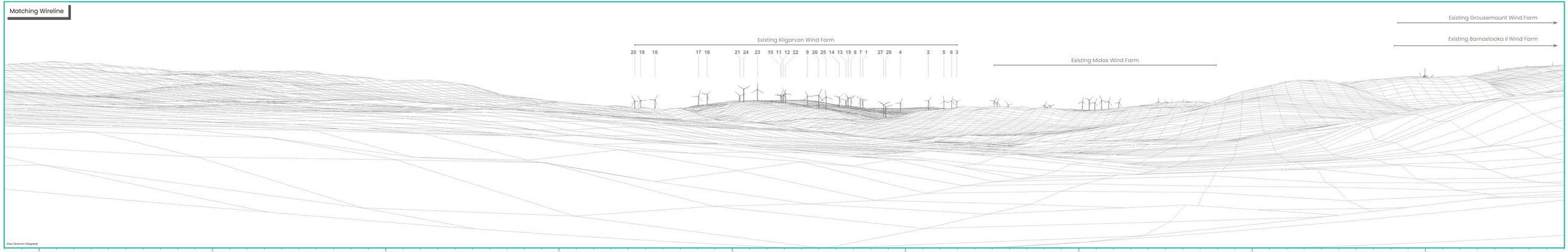
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

Matching Wireline



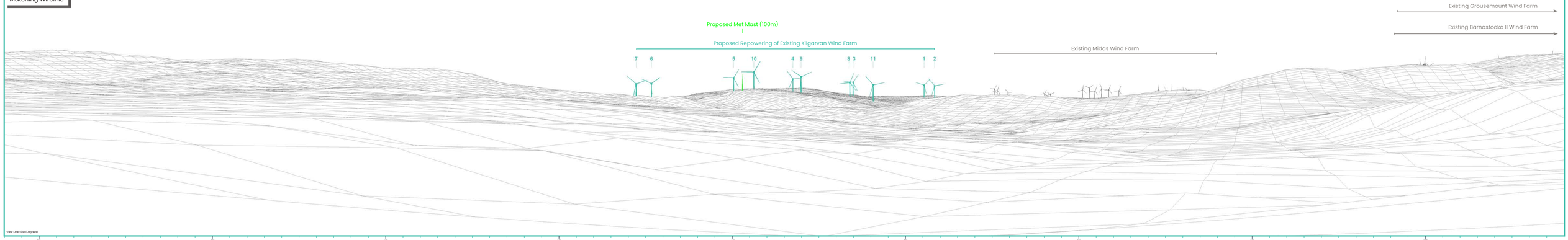
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

-8.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

40°

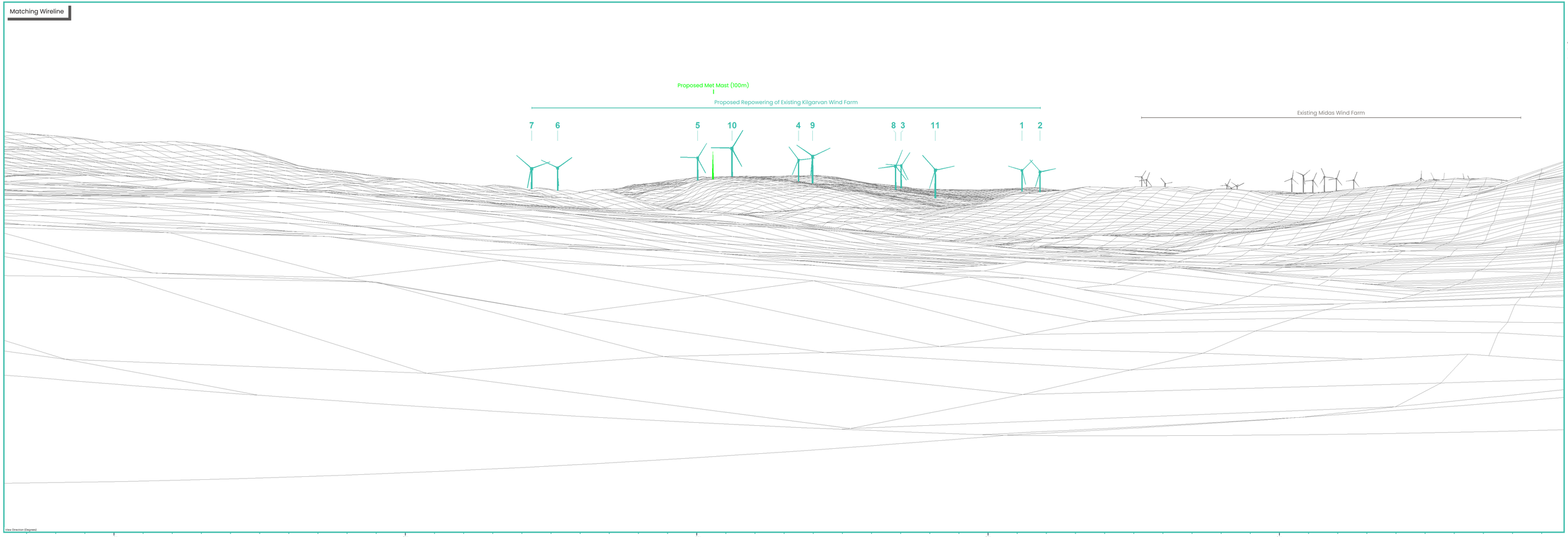
50°

60°

70°

80°

Matching Wireline



VP03
TURBINE ENVELOPE RANGE

122.5m Hub Height & 155m Rotor Diameter

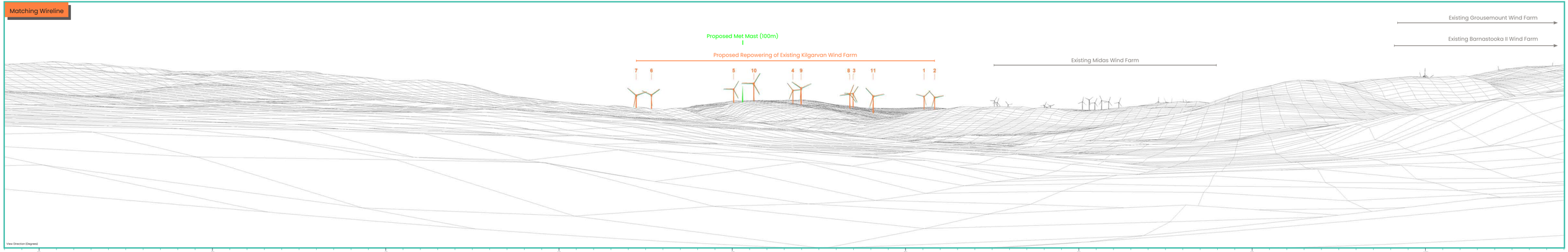
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

-8.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

40°

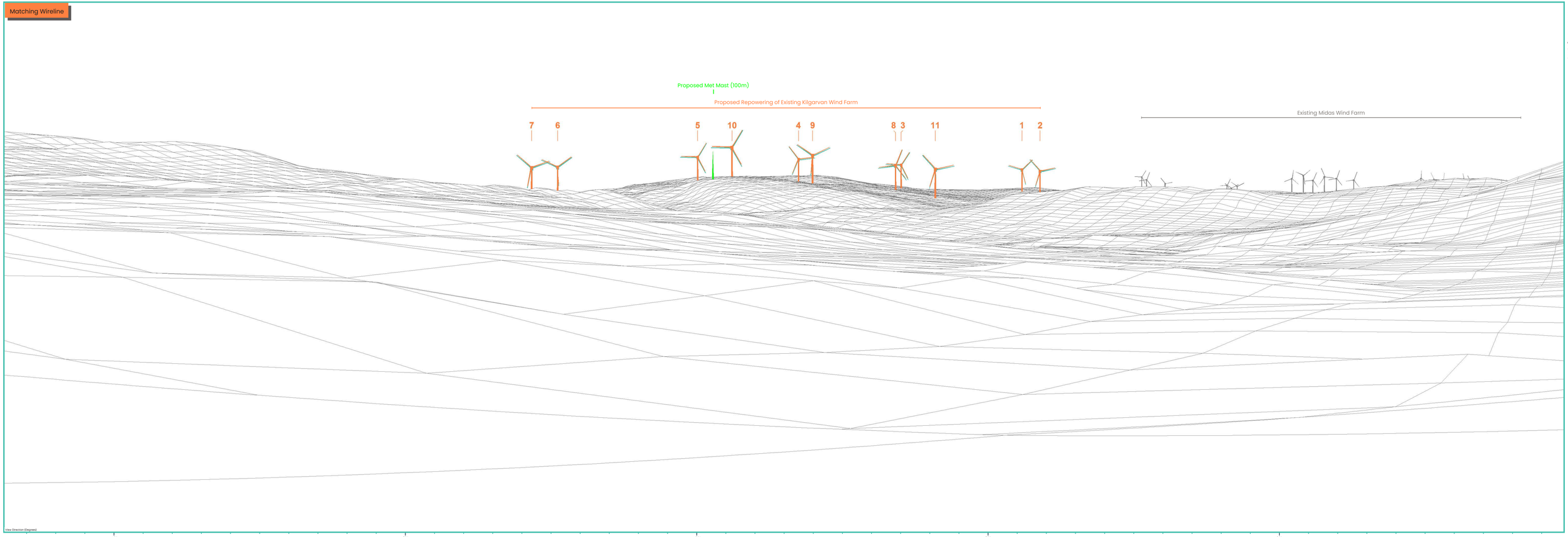
50°

60°

70°

80°

Matching Wireline



VP03
TURBINE ENVELOPE RANGE

125m Hub Height & 149m Rotor Diameter

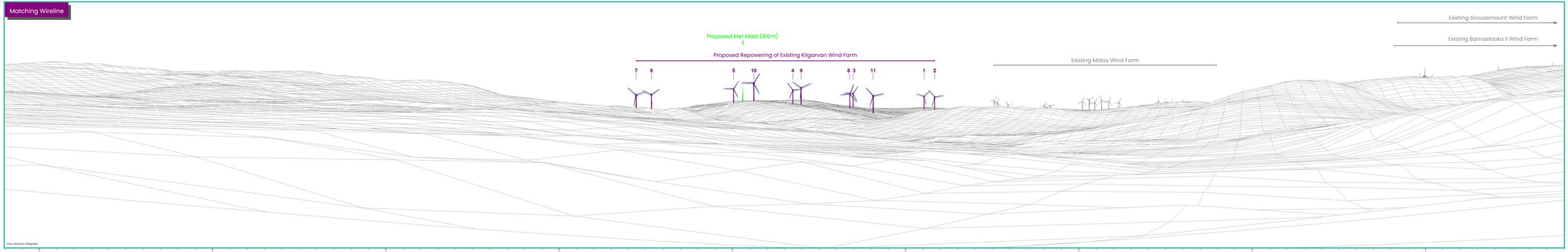
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

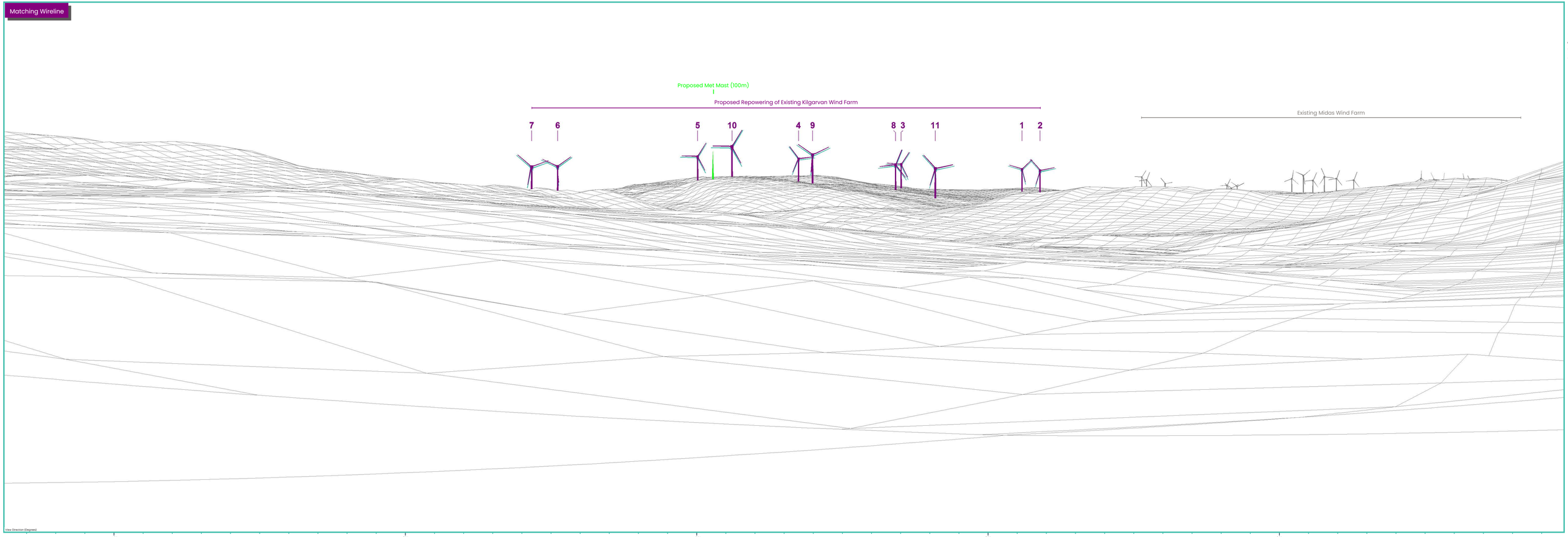
18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

40° 50° 60° 70° 80°

Matching Wireline



0° Included Vertical Angle (18.2°)

9.1°

18.2°

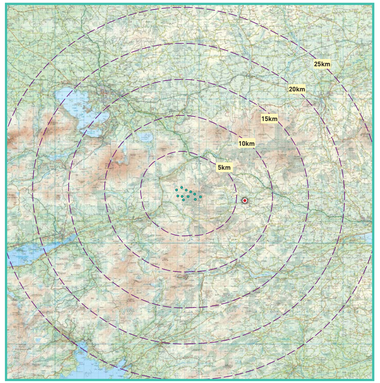
View Point 04

Coolea Village

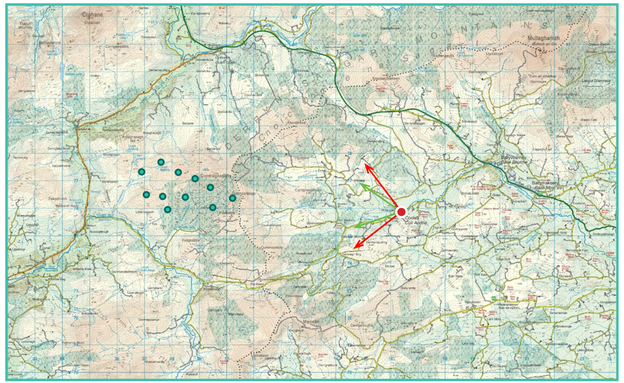
Photomontage 04

View from Coolea Village along County Cork Designated Scenic Route 24. This viewpoint is located approximately 5.7km south-east of the nearest proposed turbine (T1).

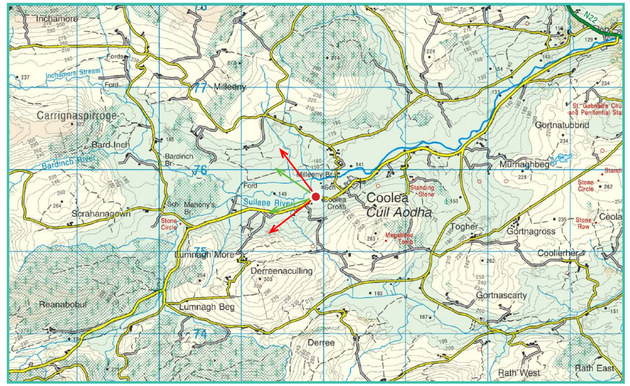
View point grid reference	(E) 515884 (N) 575728
Date of image taken	31.03.2022
Time of image taken	10:03
View point elevation	150m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	277°
Horizontal extent of proposed turbines	12°
Distance to nearest proposed turbine	5.7km (T1)
Number of proposed turbines visible	5/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

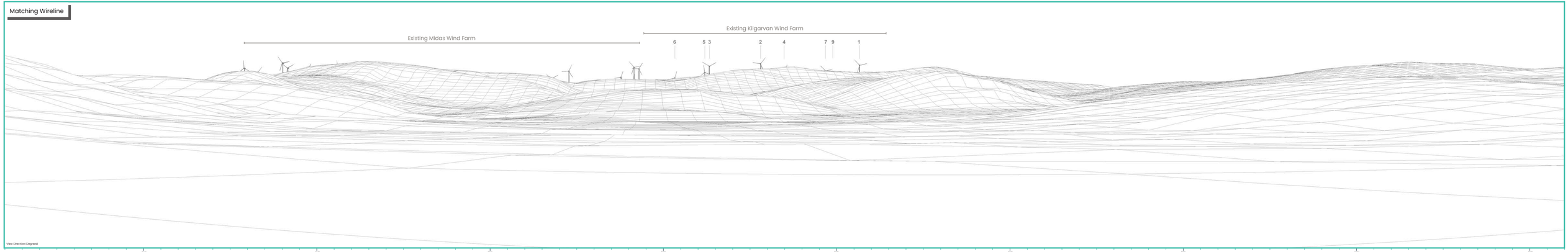
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

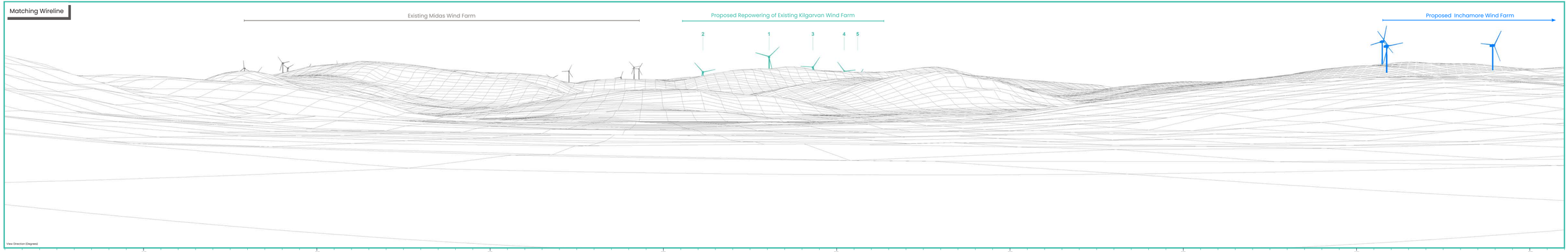
Matching Wireline



0° Included Horizontal Angle (90°) 45° 90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

260°

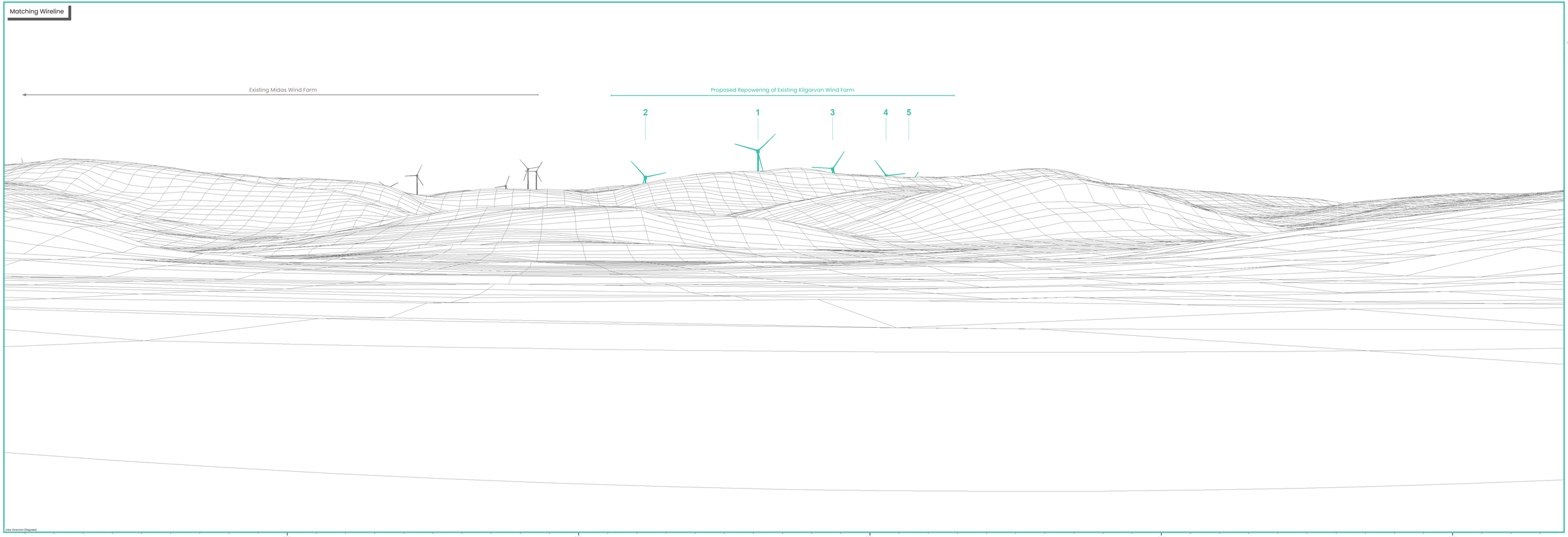
270°

280°

290°

300°

Matching Wireline



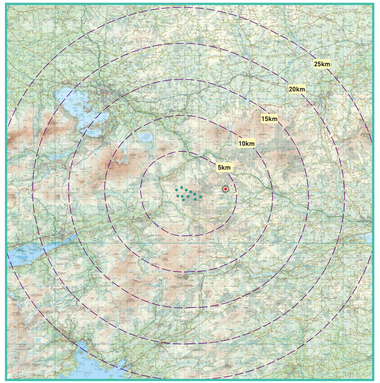
View Point 05

Milleeny

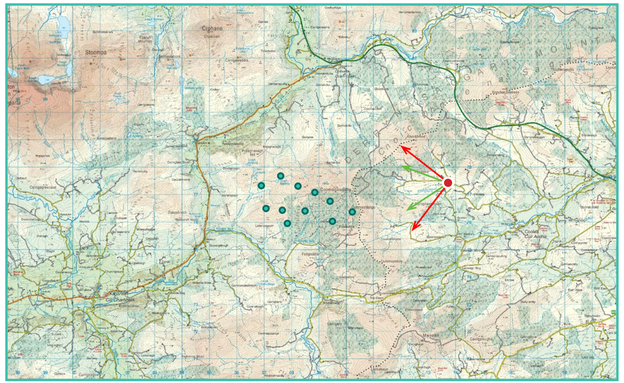
Photomontage 05

View from a local road in the townland of Milleeny. This viewpoint is located approximately 3.6km east from the nearest proposed turbine (T1).

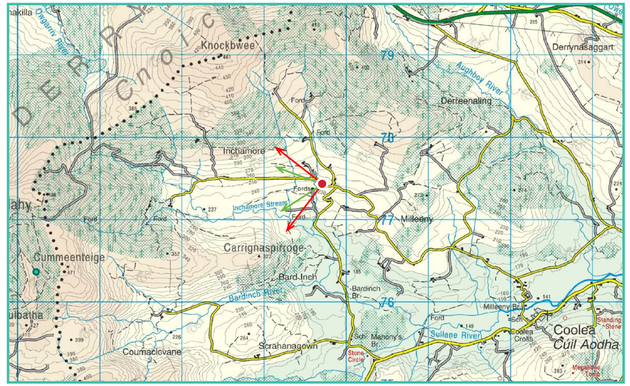
View point grid reference	(E) 513682 (N) 577485
Date of image taken	31.03.2022
Time of image taken	10:02
View point elevation	240m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	262°
Horizontal extent of proposed turbines	21°
Distance to nearest proposed turbine	3.6km(T1)
Number of proposed turbines visible	3/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

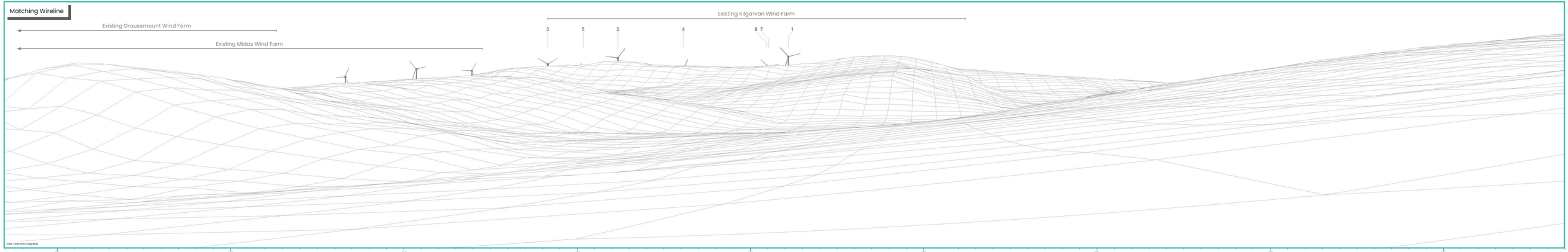
90° View Extent

53.5° View Extent

0° Included Horizontal Angle (90°) 45° 90°

Existing View at 90°

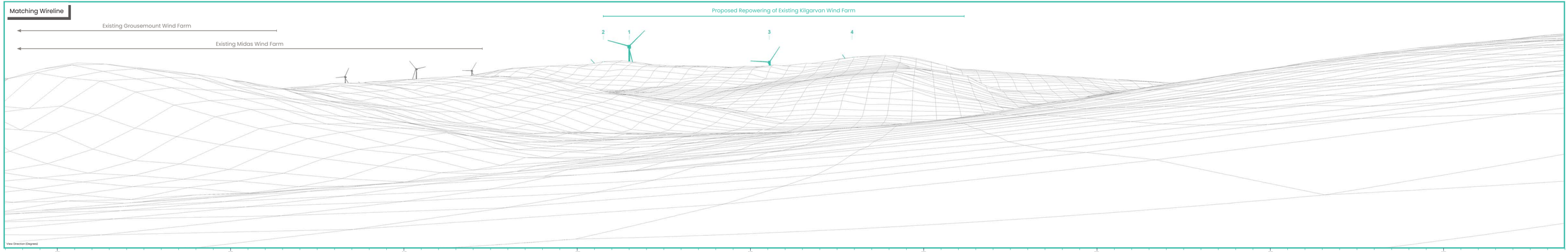
Matching Wireline



0° Included Horizontal Angle (90°) 45° 90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

-18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

240°

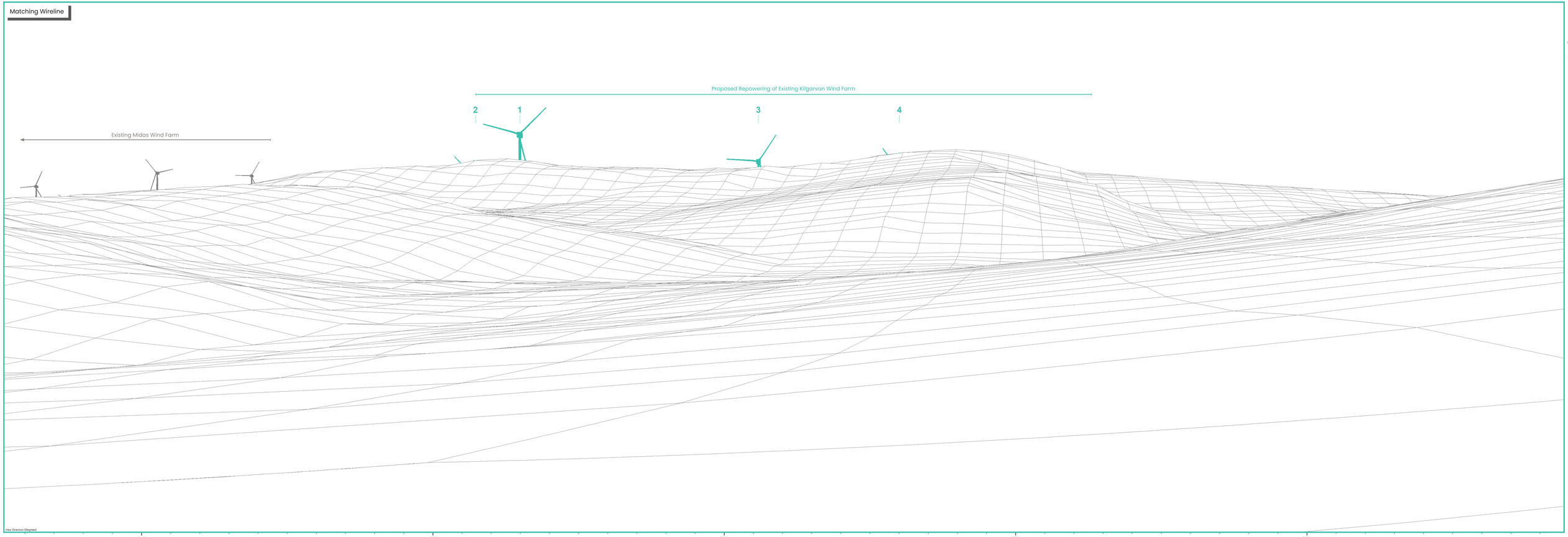
250°

260°

270°

280°

Matching Wireline



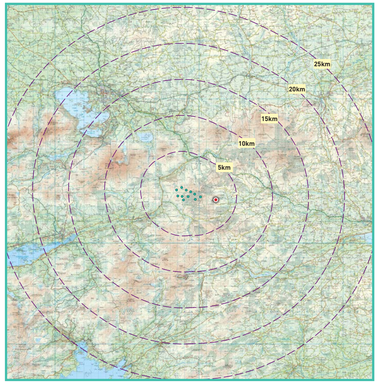
View Point 06

Coumaclovane

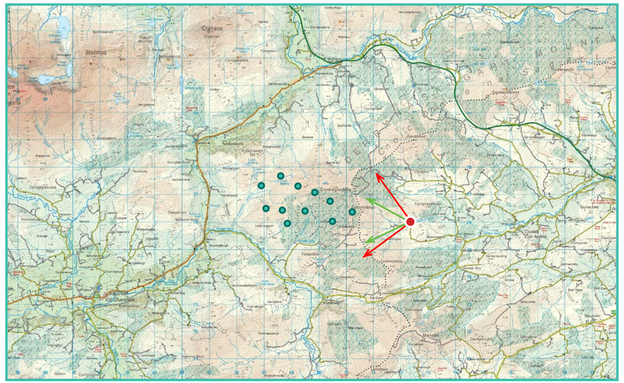
Photomontage 06

View from a local road in the townland of Coumaclovane. This viewpoint is located approximately 2.2km east from the nearest proposed turbine (T1).

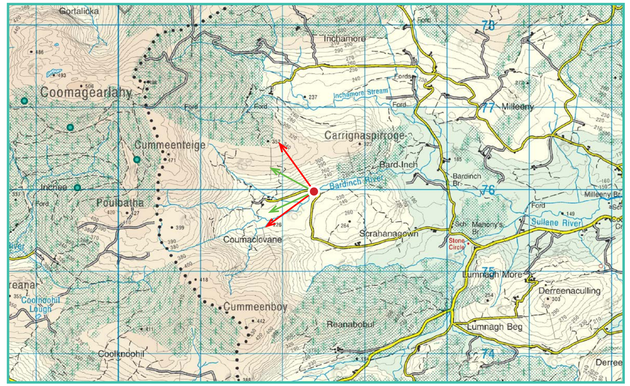
View point grid reference	(E) 512355 (N) 576032
Date of image taken	31.03.2022
Time of image taken	10:23
View point elevation	221m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	279°/271°
Horizontal extent of proposed turbines	20°
Distance to nearest proposed turbine	2.2km(T1)
Number of proposed turbines visible	1/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

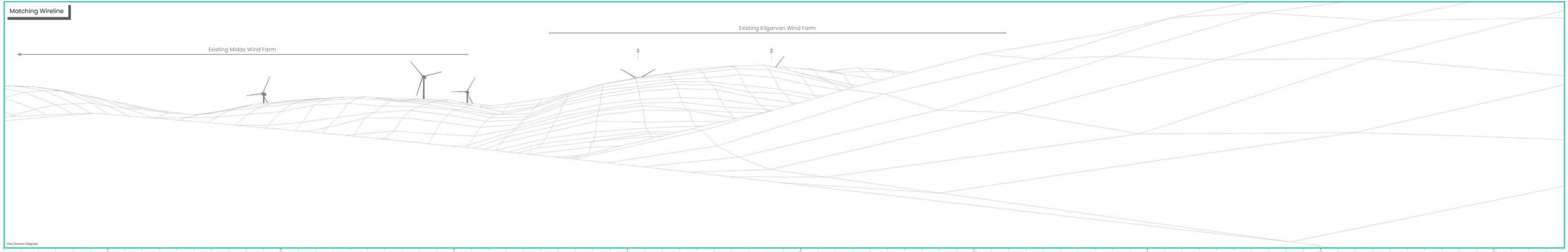
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

Matching Wireline



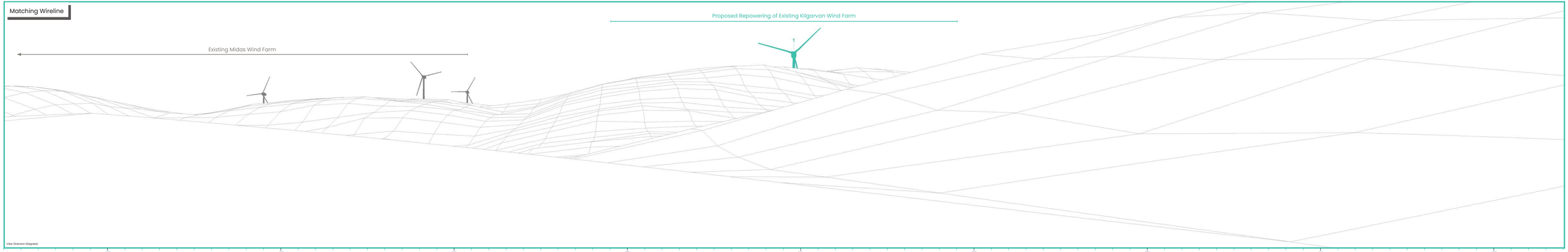
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

250°

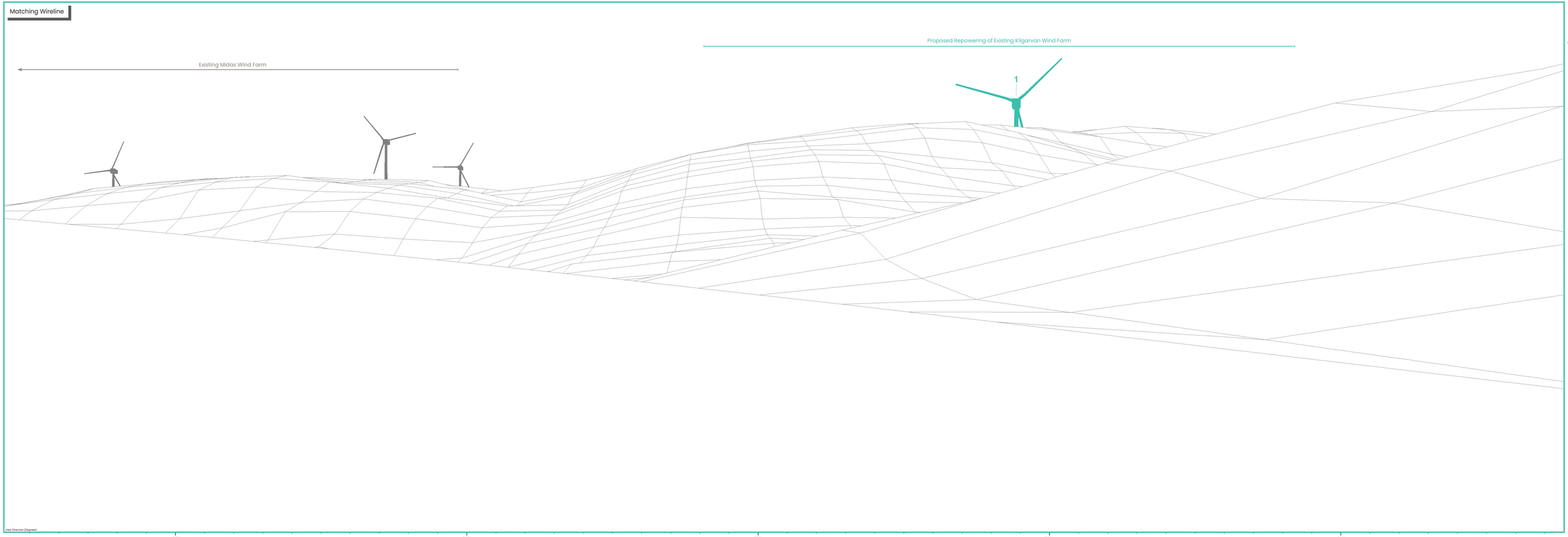
260°

270°

280°

290°

Matching Wireline



View Point 07

Coom Trail

Photomontage 07

View from the Coom Trail Way Marked Walking Trail in the townland of Sillahertane. This viewpoint is located approximately 3.8km south of the nearest proposed turbine (T2).

View point grid reference	(E) 511095 (N) 572680
Date of image taken	21.04.2023
Time of image taken	12:29
View point elevation	390m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	330°
Horizontal extent of proposed turbines	33°
Distance to nearest proposed turbine	3.8km (T2)
Number of proposed turbines visible	11/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
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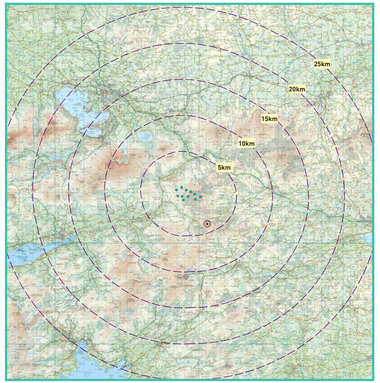
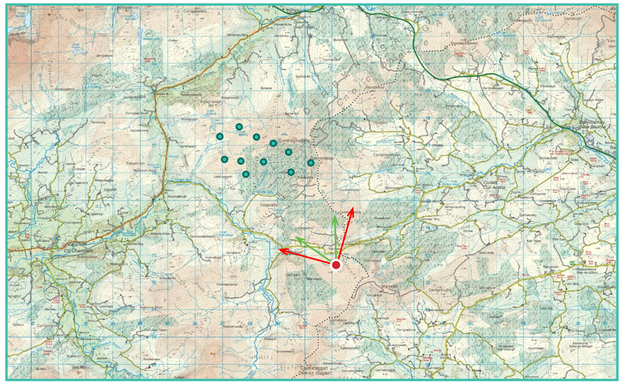
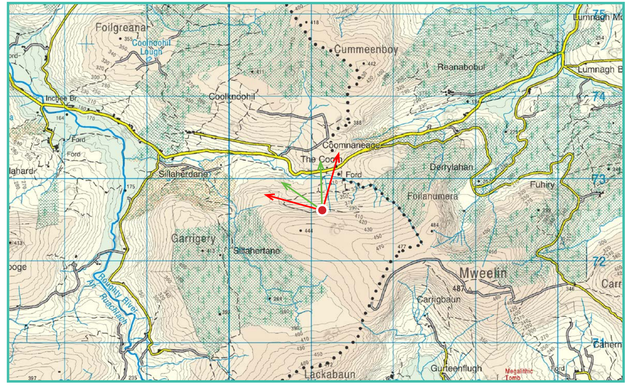


View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

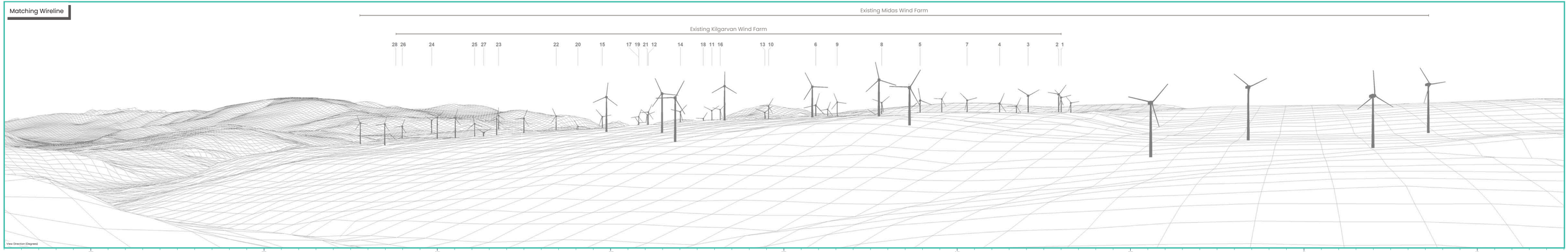
90° View Extent

53.5° View Extent

0° Included Horizontal Angle (90°) 45° 90°

Existing View at 90°

Matching Wireline



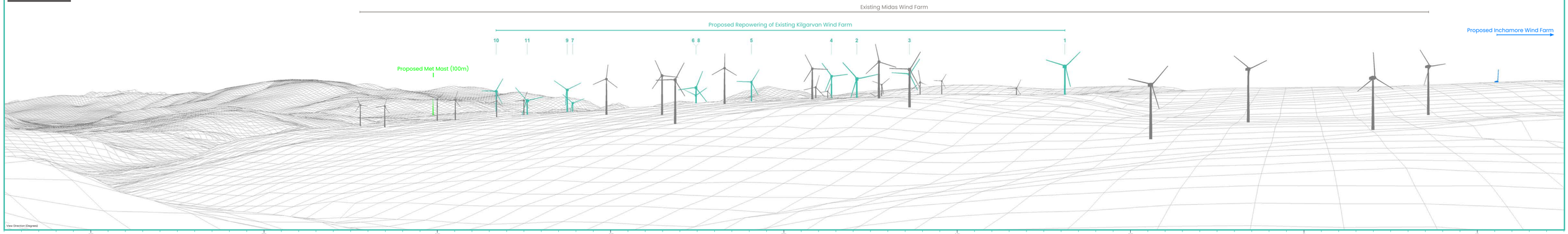
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

310°

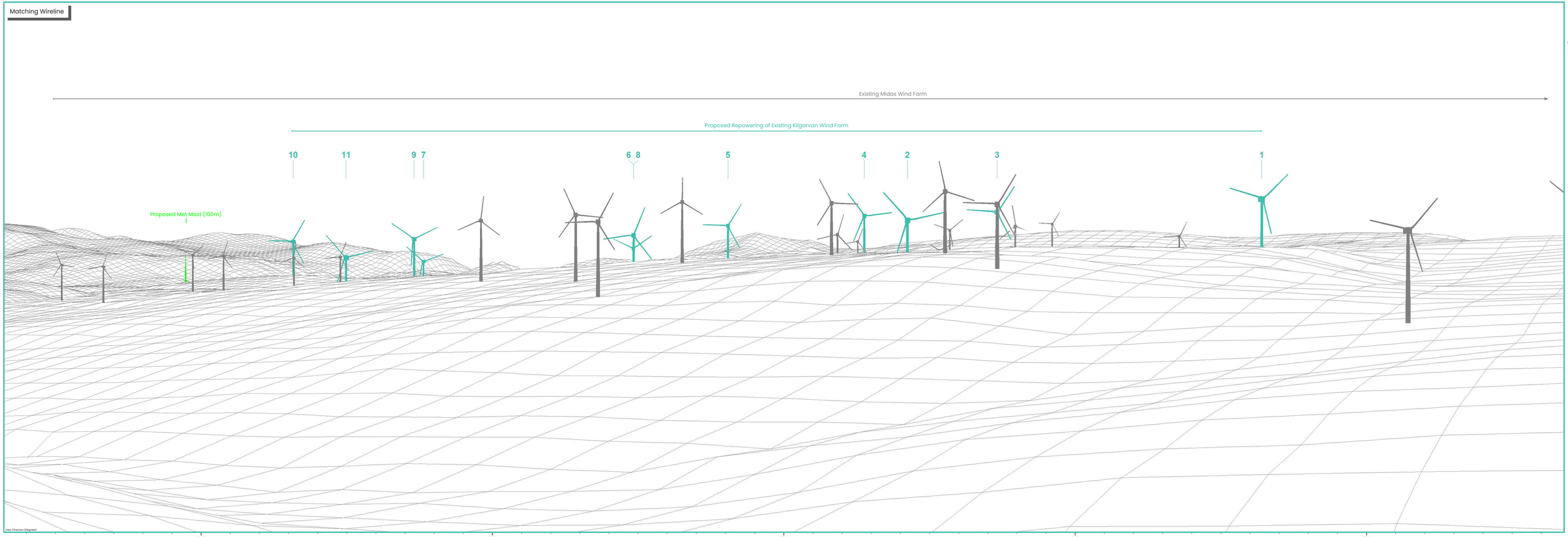
320°

330°

340°

350°

Matching Wireline



View Point 08

Inchee

Photomontage 08

View from a County Kerry designated Scenic Route in the townland of Inchee. This viewpoint is located approximately 2.1km south from the nearest proposed turbine (T11).

View point grid reference	(E) 507818 (N) 573956
Date of image taken	31.03.2022
Time of image taken	11:13
View point elevation	164m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	14°
Horizontal extent of proposed turbines	61°
Distance to nearest proposed turbine	2.1km (T11)
Number of proposed turbines visible	3/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
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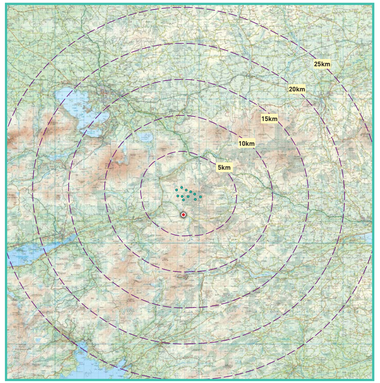
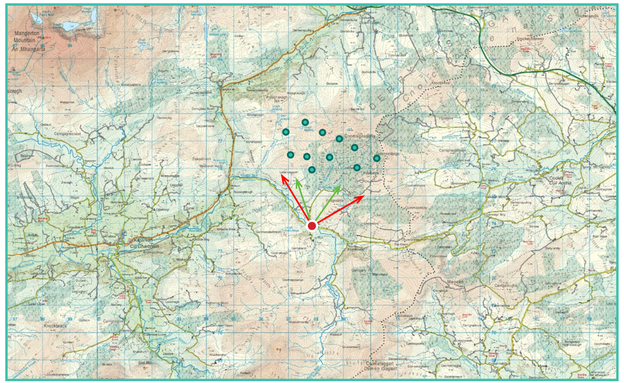


View point relative to 25km radius.



View point relative to wind farm site.

Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

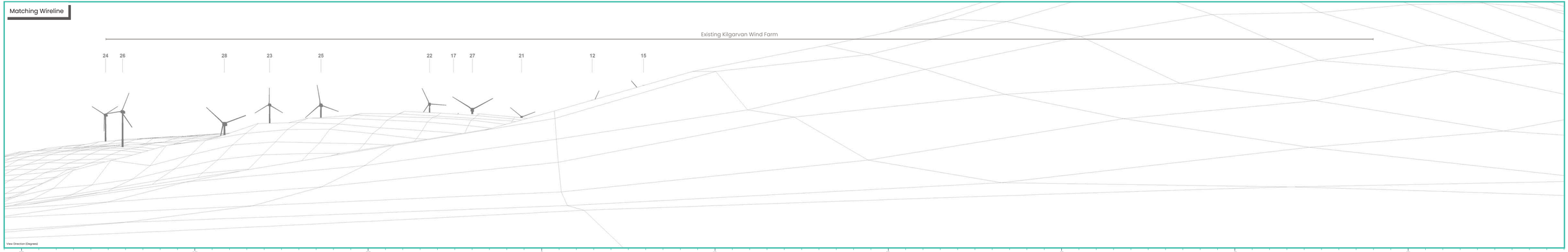
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

Matching Wireline



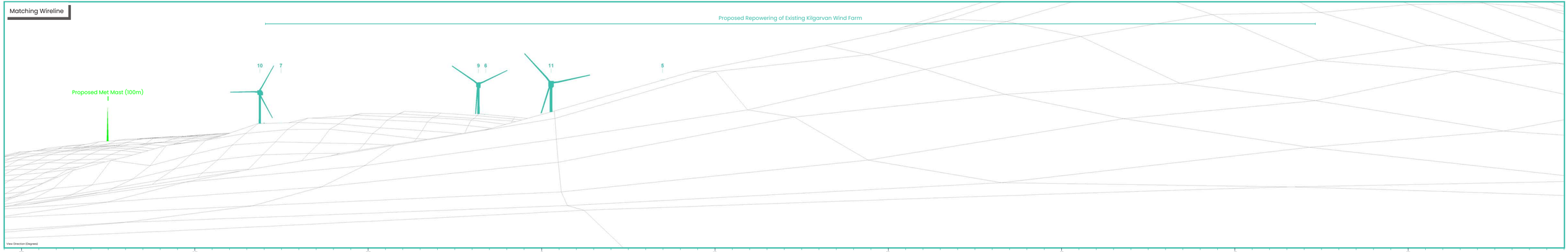
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (13.2°)

9.1°

-8.2°

350°

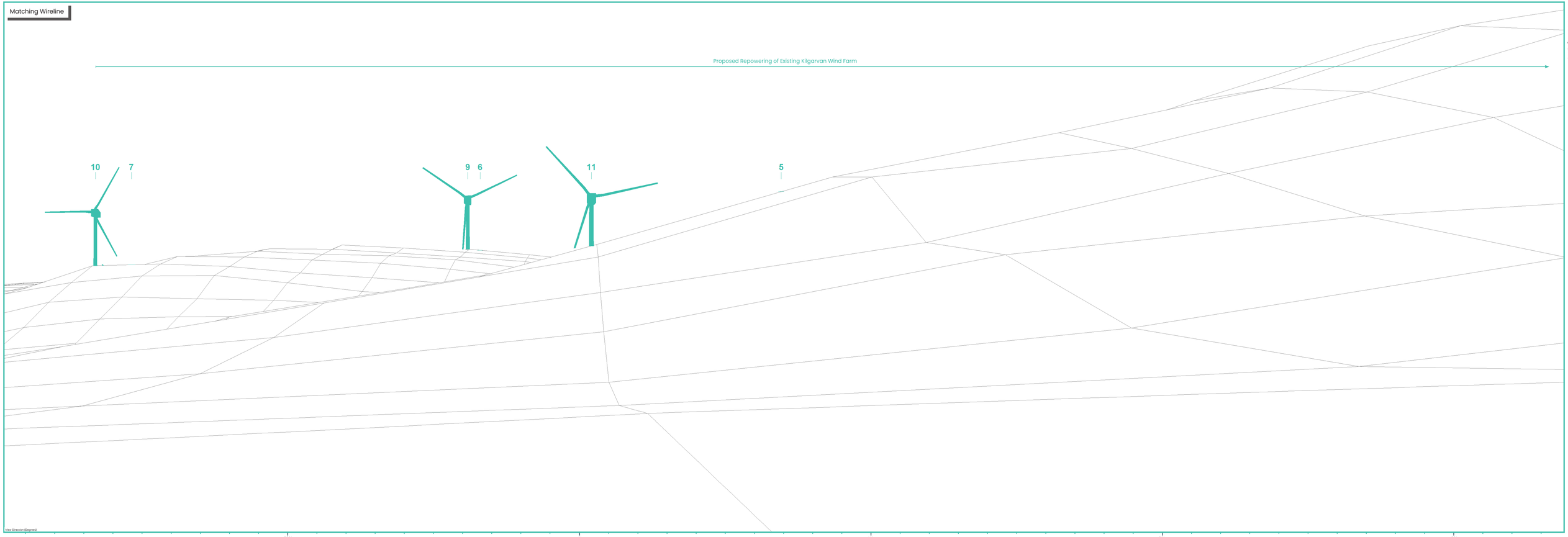
0°

10°

20°

30°

Matching Wireline



View Point 09

Inchincoosh

Photomontage 09

View from a County Kerry designated Scenic Route in the townland of Inchincoosh. This viewpoint is located approximately 1.9km west from the nearest proposed turbine (T7).

View point grid reference	(E) 504932 (N) 577259
Date of image taken	31.03.2022
Time of image taken	12:39
View point elevation	97m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	97°
Horizontal extent of proposed turbines	34°
Distance to nearest proposed turbine	1.9km (T7)
Number of proposed turbines visible	1/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
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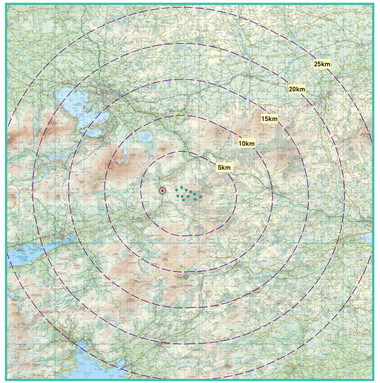
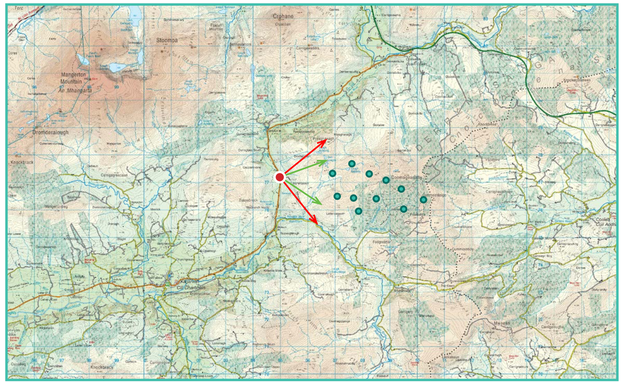
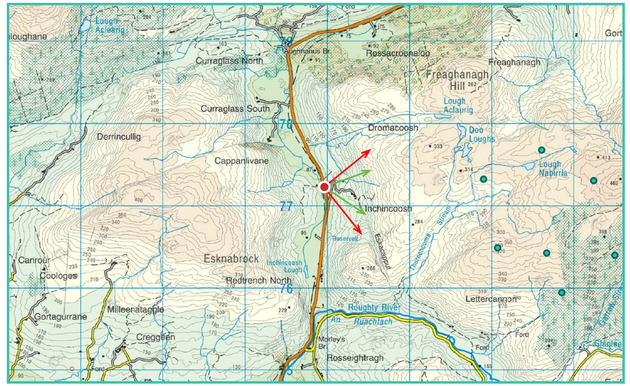


View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

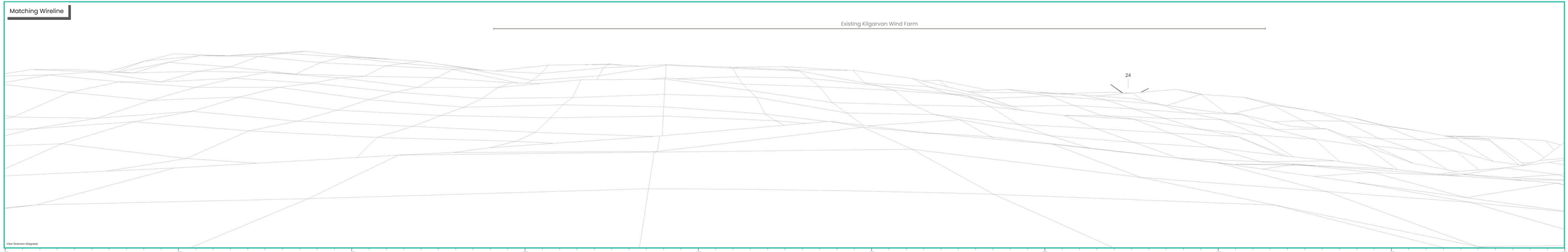
Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

0° Included Horizontal Angle (90°) 45° 90°



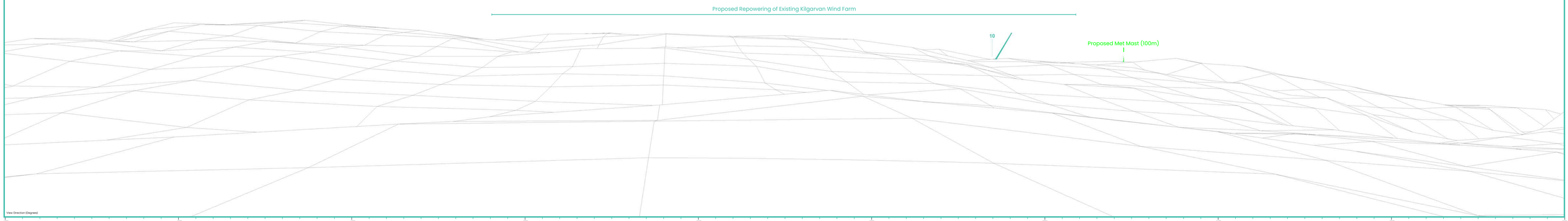
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

210°

220°

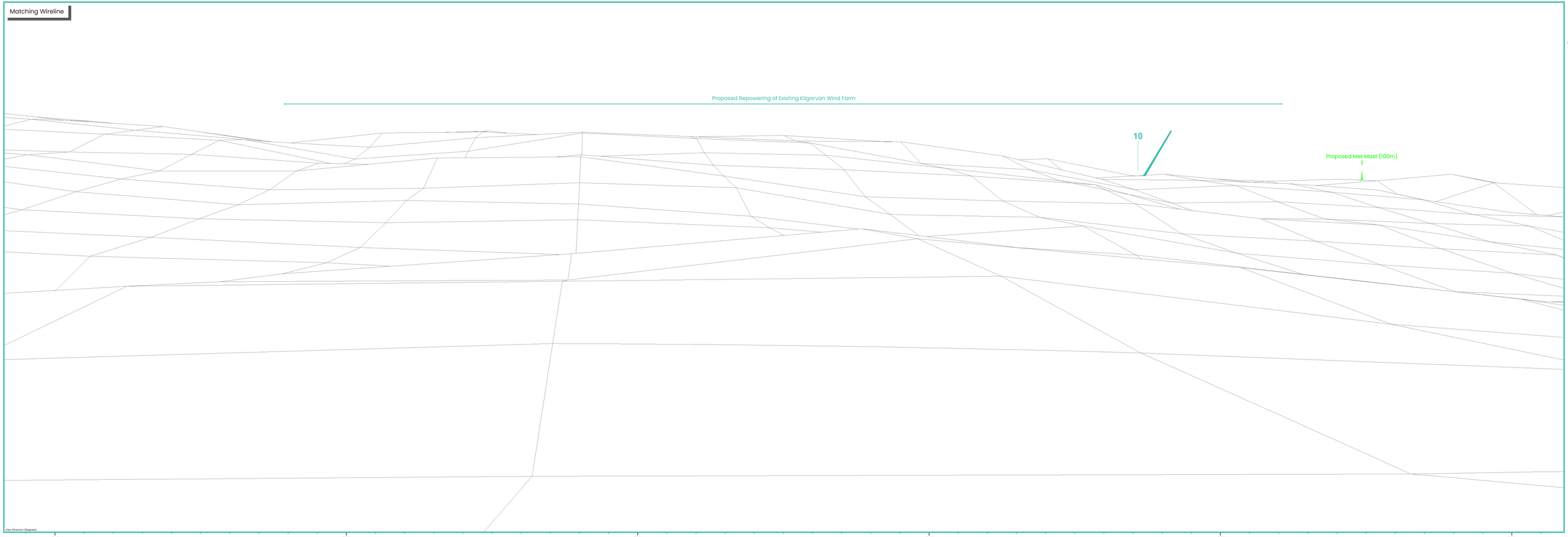
230°

240°

250°

260°

Matching Wireline



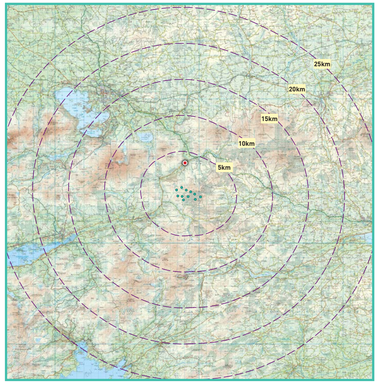
View Point 10

Derreenacullig

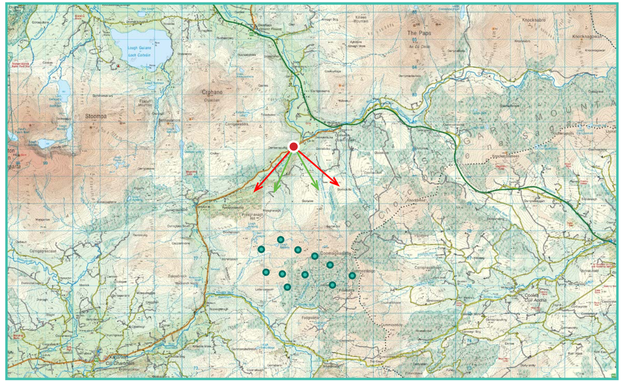
Photomontage 10

View from the Regional Road R569 in the townland of Derreenacullig. This viewpoint is located approximately 3.4km north of the nearest proposed turbine (T6).

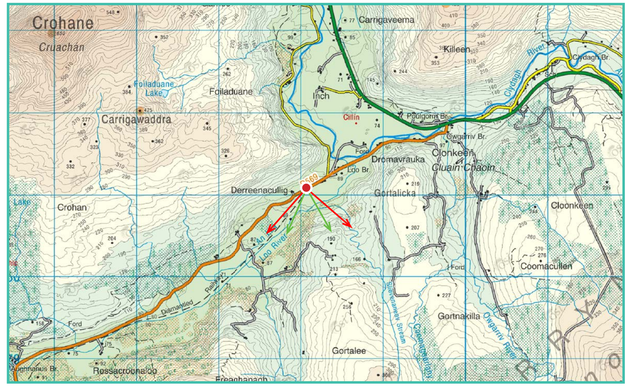
View point grid reference	(E) 508032 (N) 581140
Date of image taken	31.03.2022
Time of image taken	12:01
View point elevation	77m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	176°
Horizontal extent of proposed turbines	42°
Distance to nearest proposed turbine	3.4km (T6)
Number of proposed turbines visible	4/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

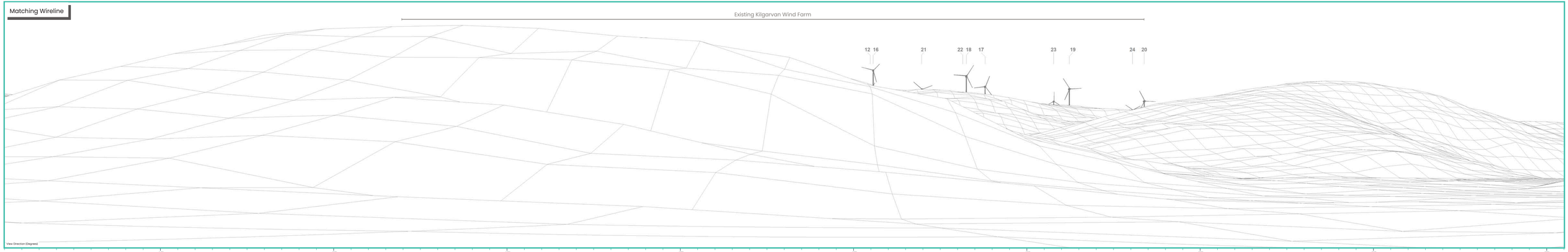
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

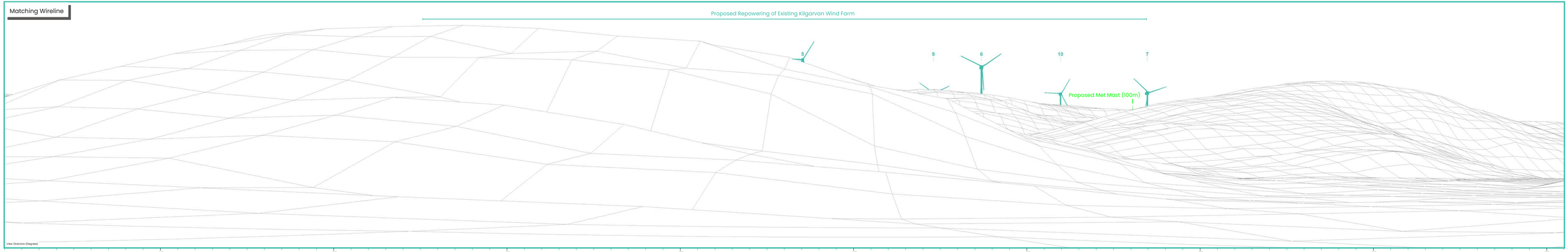
Matching Wireline



0° Included Horizontal Angle (90°) 45° 90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

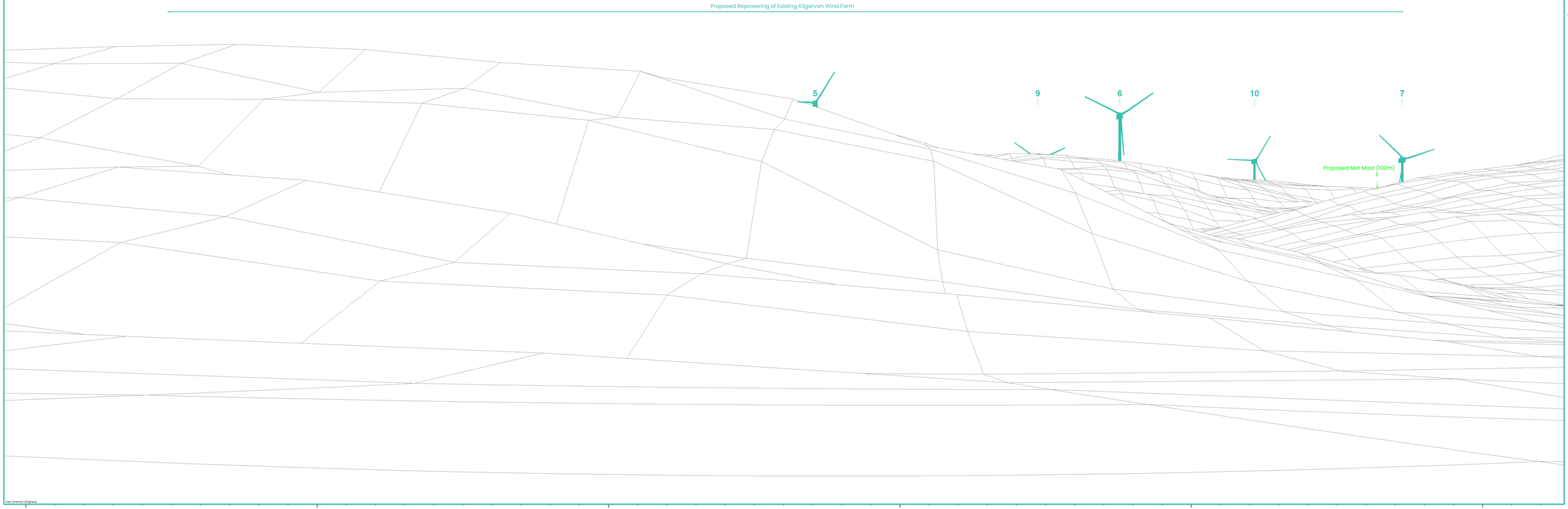
Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

150° 160° 170° 180° 190° 200°

Matching Wireline

Proposed Repowering of Existing Kilgarvan Wind Farm



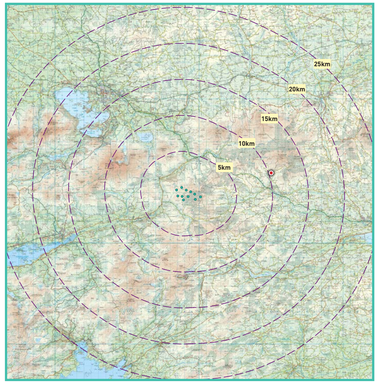
View Point 11

Coomnaclohy

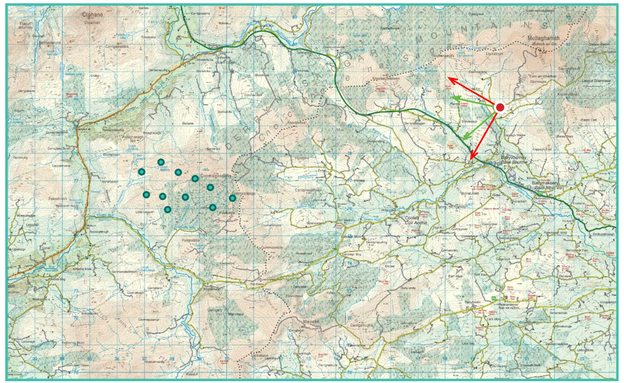
Photomontage 11

Views along the County Cork Designated Scenic Route SR22 in the townland of Coomnaclohy.
This viewpoint is located approximately 10.3km east from the nearest proposed turbine (T1).

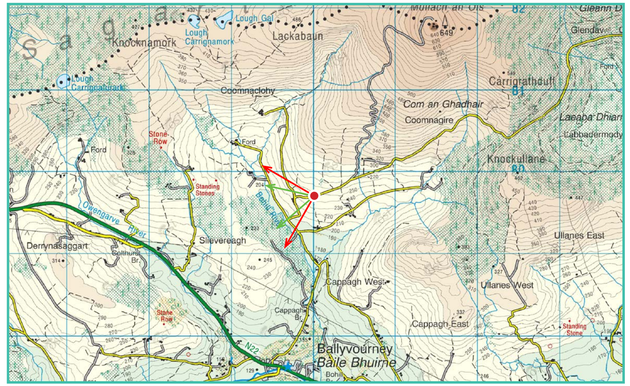
View point grid reference	(E) 519983 (N) 579756
Date of image taken	31.03.2022
Time of image taken	09:31
View point elevation	245m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	255°
Horizontal extent of proposed turbines	10°
Distance to nearest proposed turbine	10.3km (T1)
Number of proposed turbines visible	6/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

90° View Extent

53.5° View Extent

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

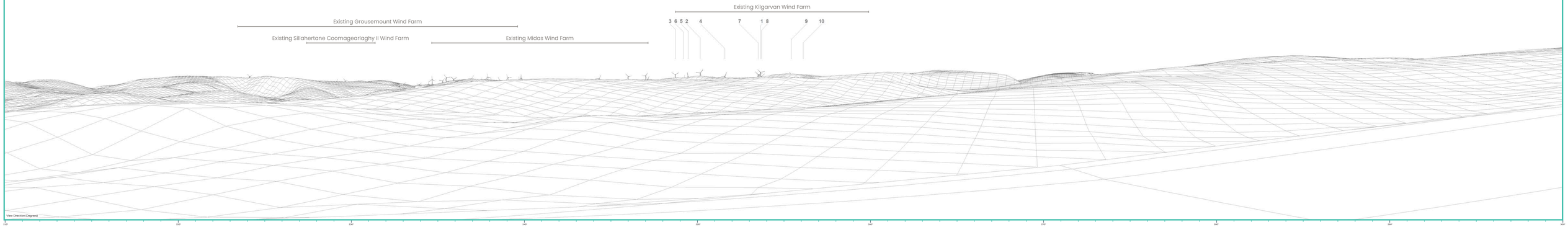
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

Matching Wireline



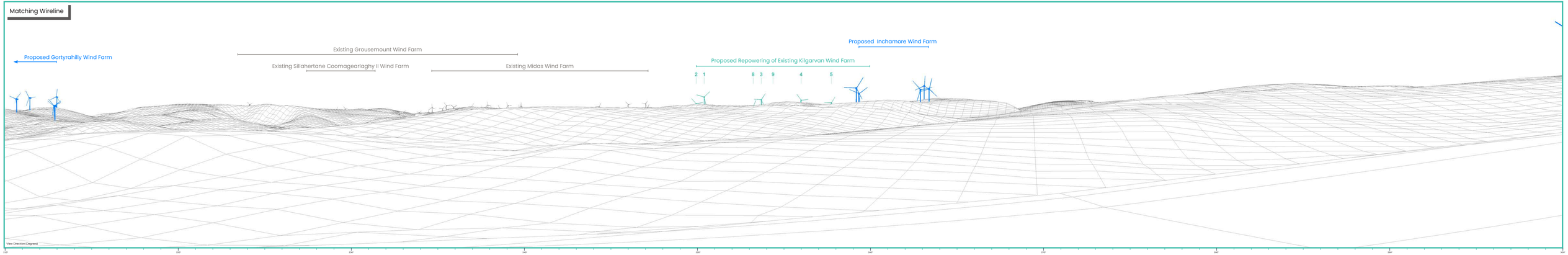
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

230°

240°

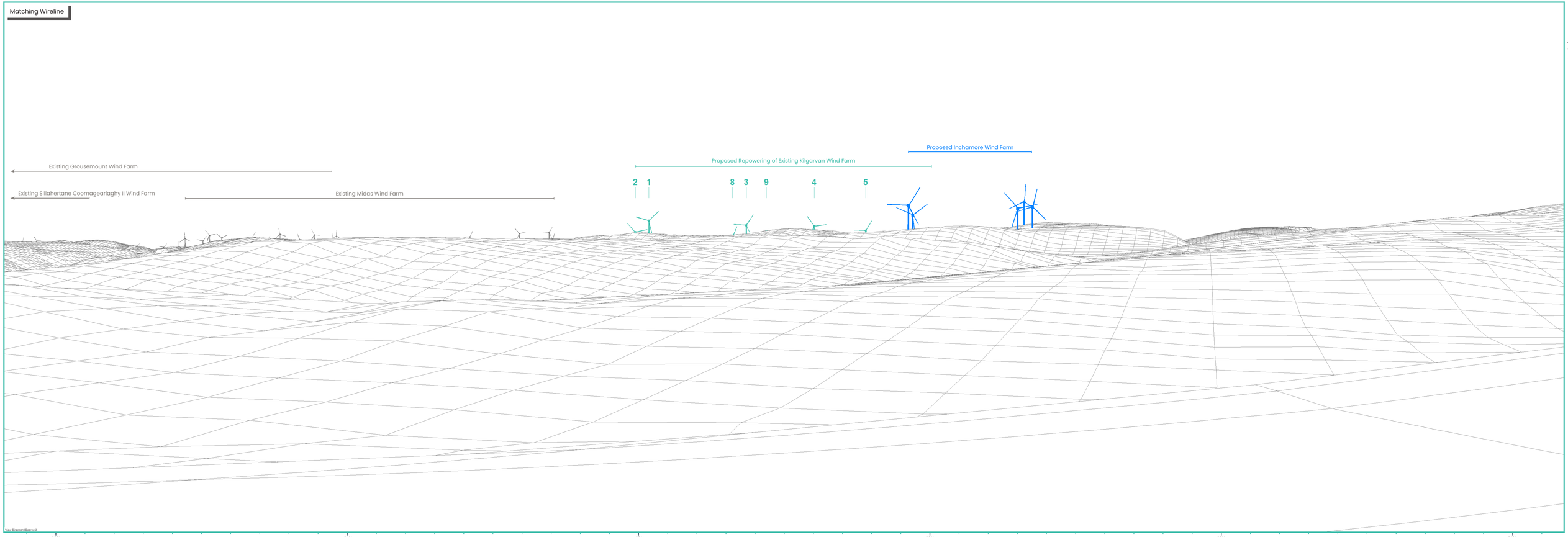
250°

260°

270°

280°

Matching Wireline



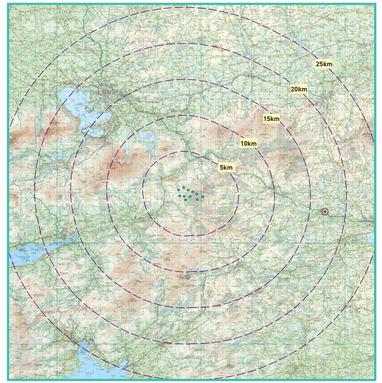
View Point 12

Lissacressig

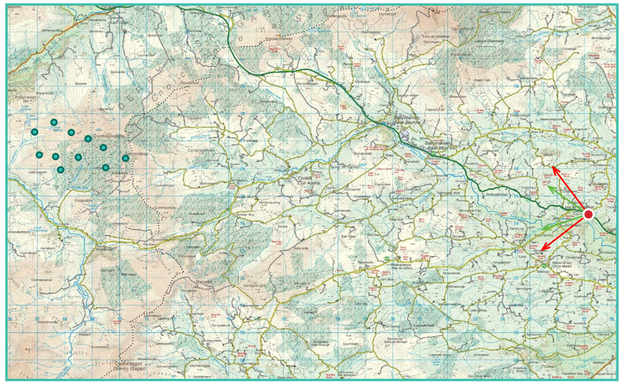
Photomontage 12

View from the N22 National Road in the townland of Lissacressig. This viewpoint is located approximately 17km south-east of the nearest proposed turbine (T1).

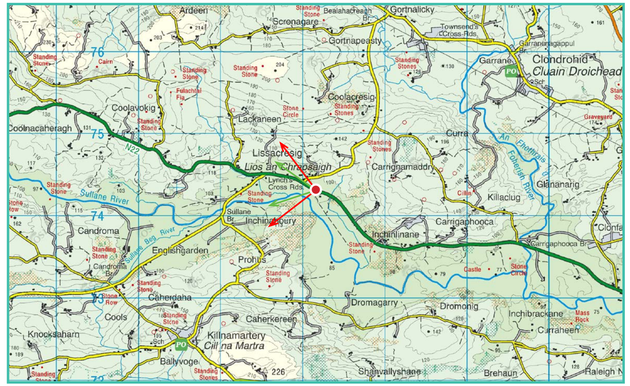
View point grid reference	(E) 527136 (N) 574361
Date of image taken	20.04.2023
Time of image taken	11:28
View point elevation	91m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	277°
Horizontal extent of proposed turbines	5°
Distance to nearest proposed turbine	17km (T1)
Number of proposed turbines visible	8/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

Area shown in 90° view

Area shown in 53.5° view

View Point

Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

Proposed Repowering of Existing Kilgarvan Wind Farm

Existing Wind Farms

Permitted Wind Farms

Other Proposed Wind Farms

Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

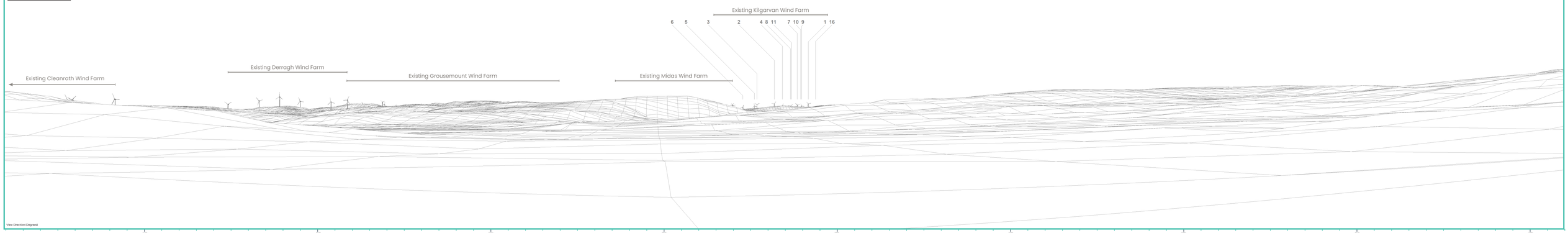
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

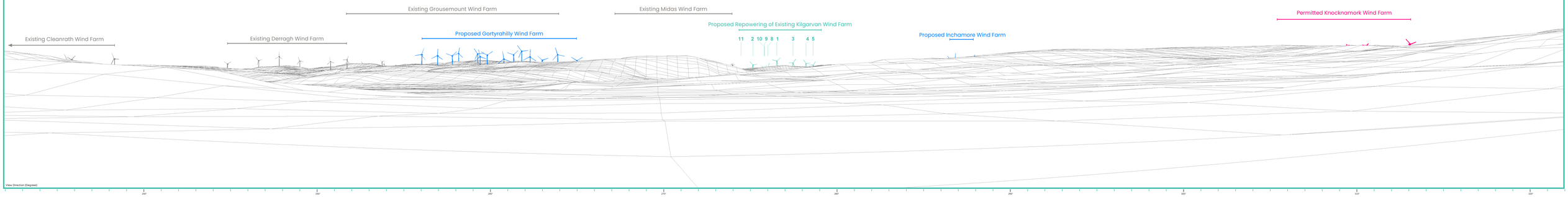
Matching Wireline



0° Included Horizontal Angle (90°) 45° 90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

260°

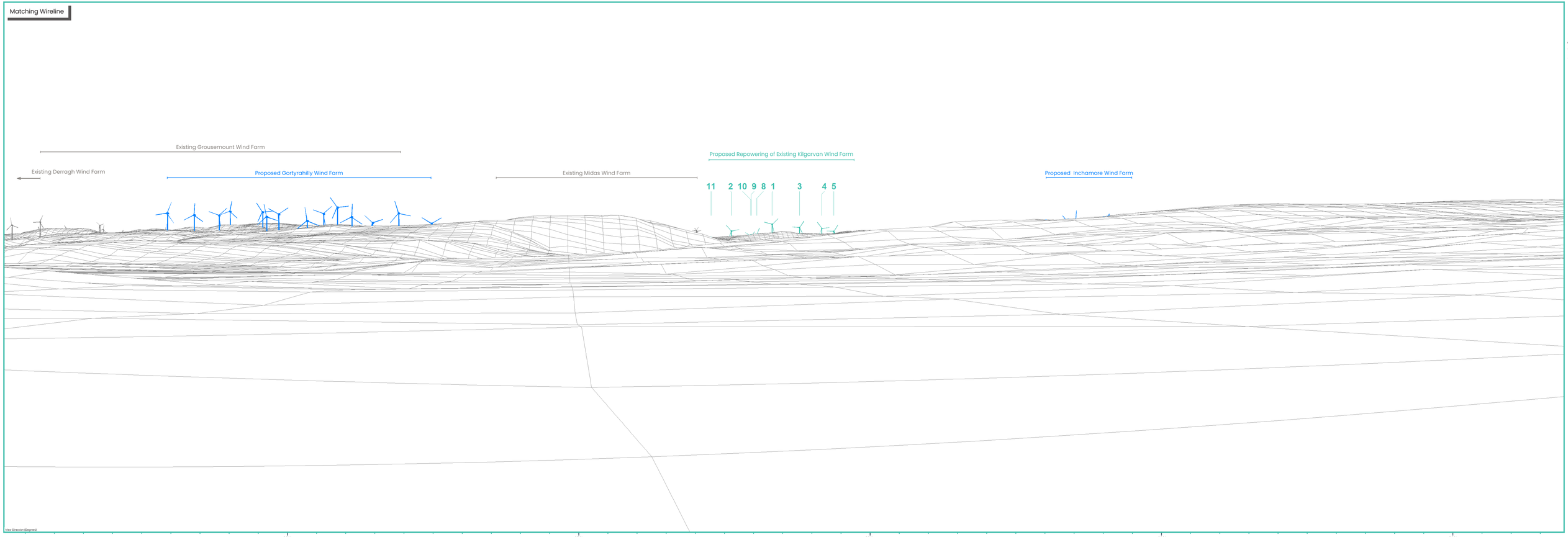
270°

280°

290°

300°

Matching Wireline



View Point 13

Gortyrahilly

Photomontage 13

View from a Way Marked Walking Trail in the townland of Gortyrahilly. This viewpoint is located approximately 6.5km south east of the nearest proposed turbine (T11).

View point grid reference	(E) 515756 (N) 573036
Date of image taken	22.09.2022
Time of image taken	10:33
View point elevation	328m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	295°
Horizontal extent of proposed turbines	11°
Distance to nearest proposed turbine	6.5km (T11)
Number of proposed turbines visible	7/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
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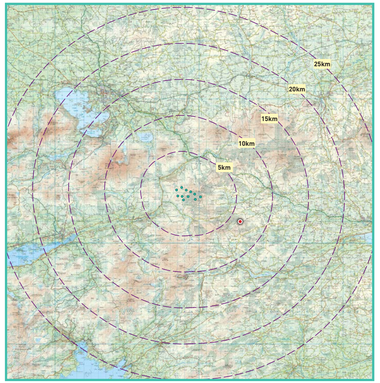
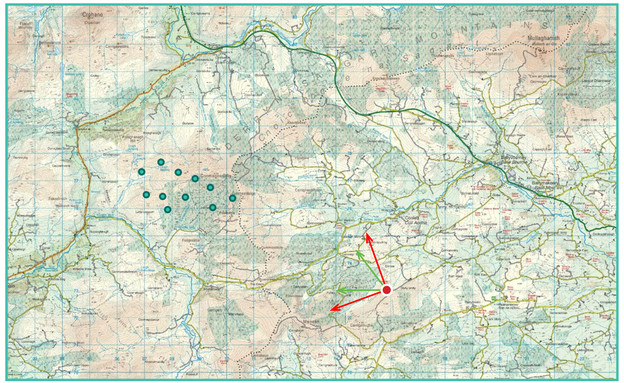
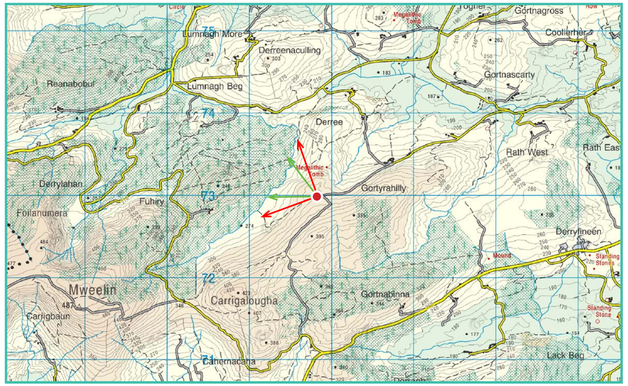


View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

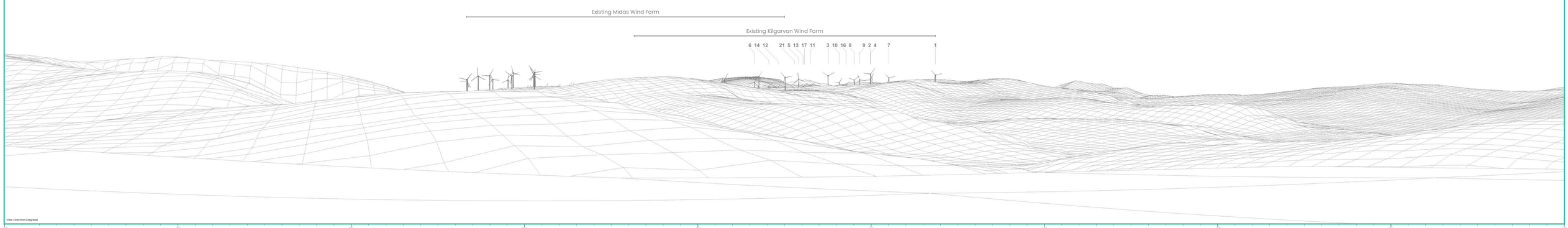
0° Included Horizontal Angle (90°)

45°

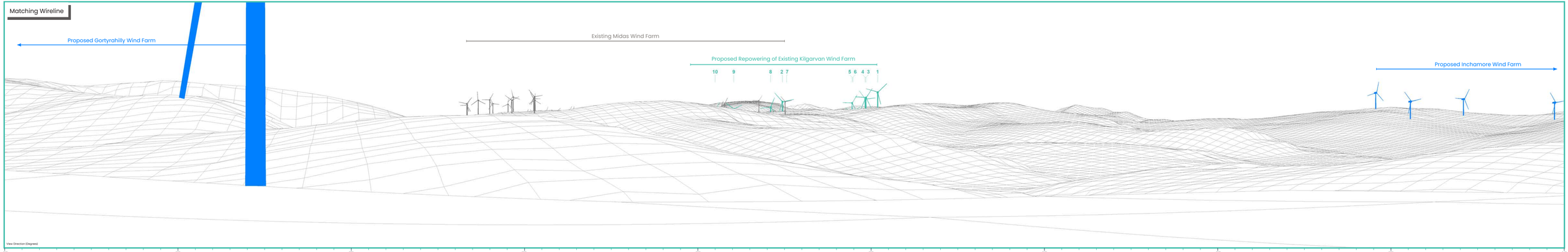
90°

Existing View at 90°

Matching Wireline



0° Included Horizontal Angle (90°) 45° 90°



0° Included Horizontal Angle (53.5°)

26.5°

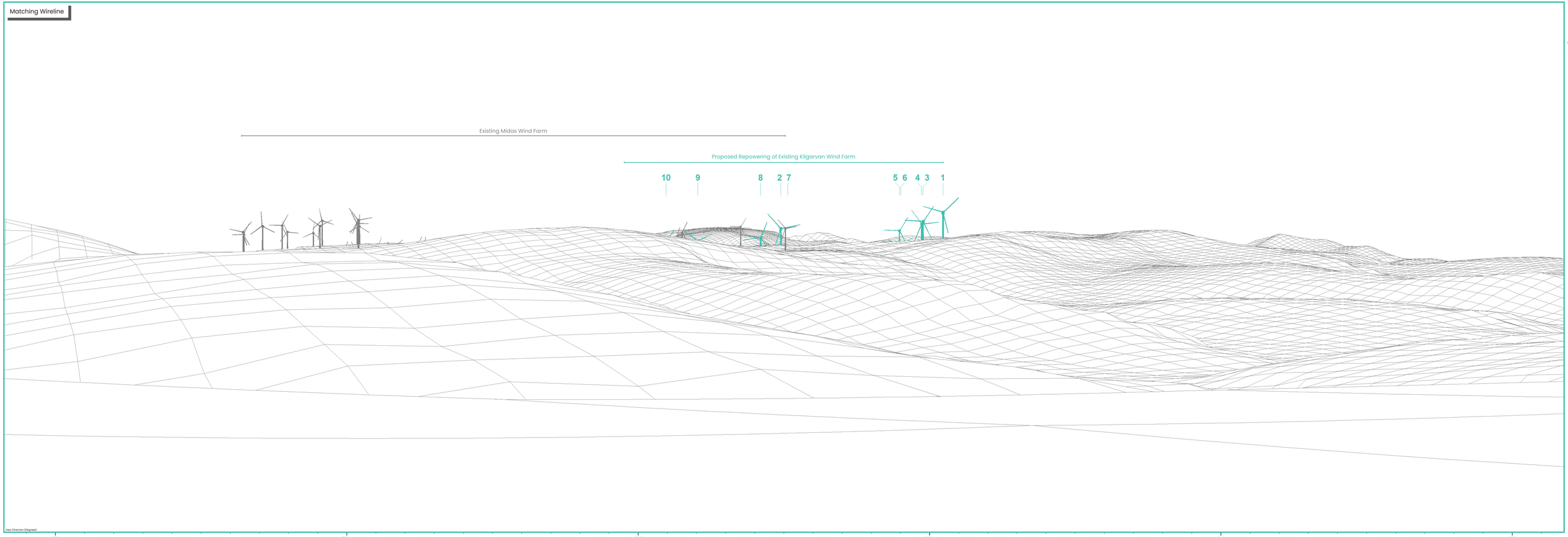
53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Matching Wireline



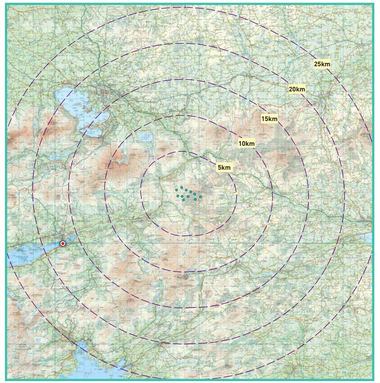
View Point 14

Kenmare Town

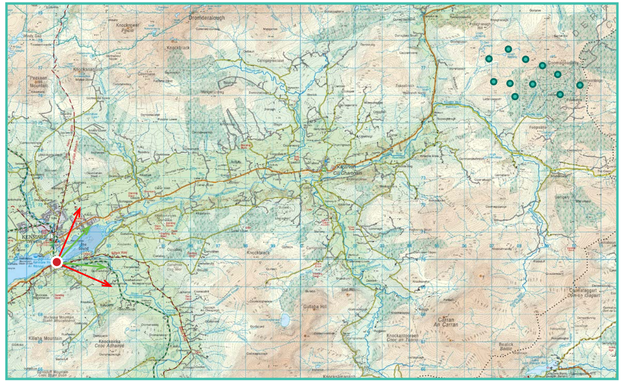
Photomontage 14

View from Our Lady's Bridge in Kenmare Town along the N71 National Road. This viewpoint is located approximately 17.3km south-west of the nearest proposed turbine (T10).

View point grid reference	(E) 491066 (N) 569941
Date of image taken	31.03.2022
Time of image taken	13:08
View point elevation	10m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	68°
Horizontal extent of proposed turbines	7°
Distance to nearest proposed turbine	17.3km (T10)
Number of proposed turbines visible	10/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.

Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent

53.5° View Extent

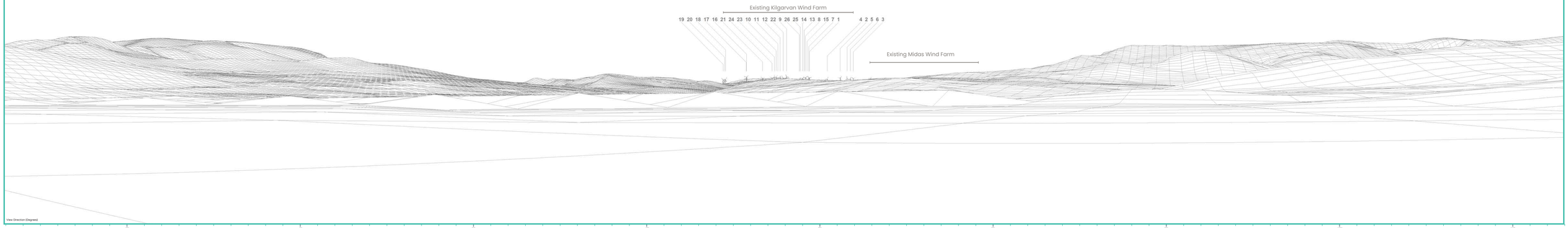
0° Included Horizontal Angle (90°)

45°

90°

Existing View at 90°

Matching Wireline



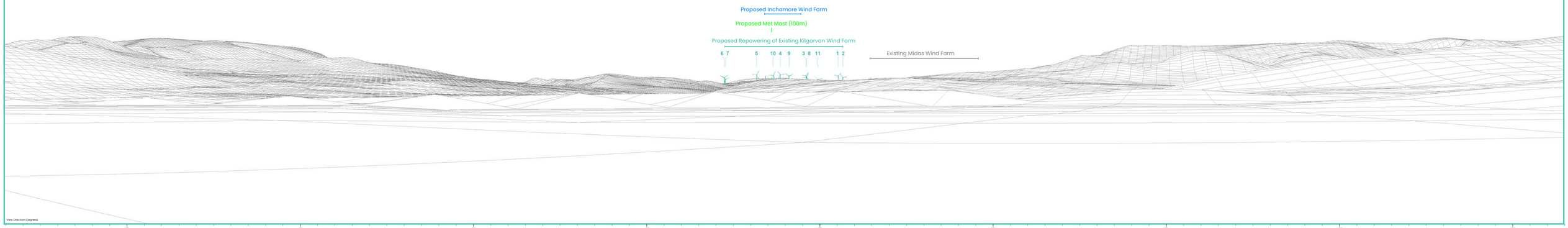
0° Included Horizontal Angle (90°)

45°

90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

50°

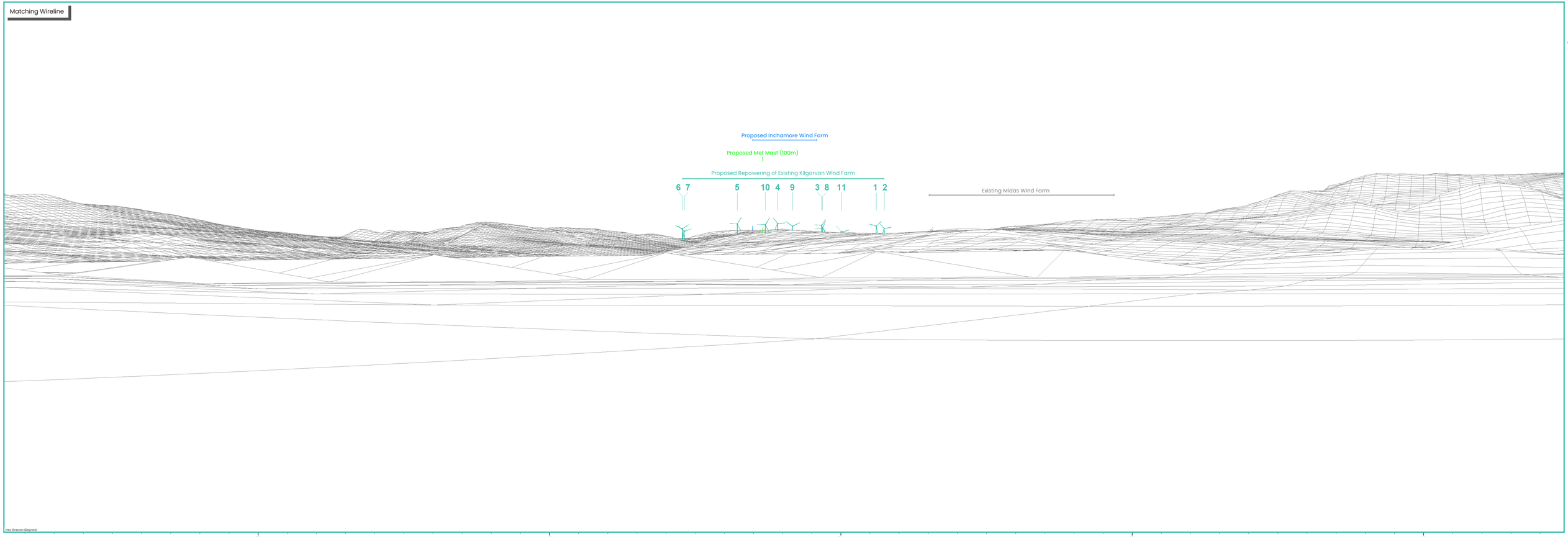
60°

70°

80°

90°

Matching Wireline



View Point 15

Parkavonear

Photomontage 15

Views from the Aghadoe Overlook Viewing Point in the townland of Parkavonear. This viewpoint is located approximately 20.5km north-west from the nearest proposed turbine (T7).

View point grid reference	(E) 493284 (N) 592714
Date of image taken	31.03.2022
Time of image taken	15:08
View point elevation	119m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	136°
Horizontal extent of proposed turbines	6°
Distance to nearest proposed turbine	20.5km (T7)
Number of proposed turbines visible	3/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
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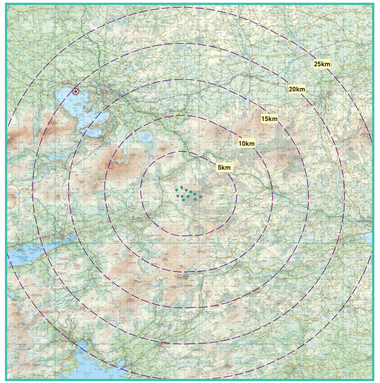
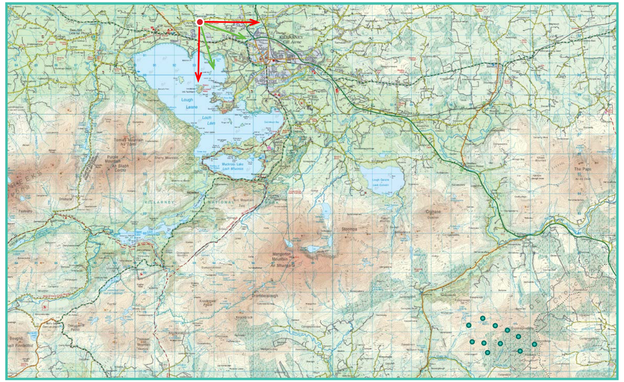


View point relative to 25km radius.



View point relative to wind farm site.

Detail of view point location.

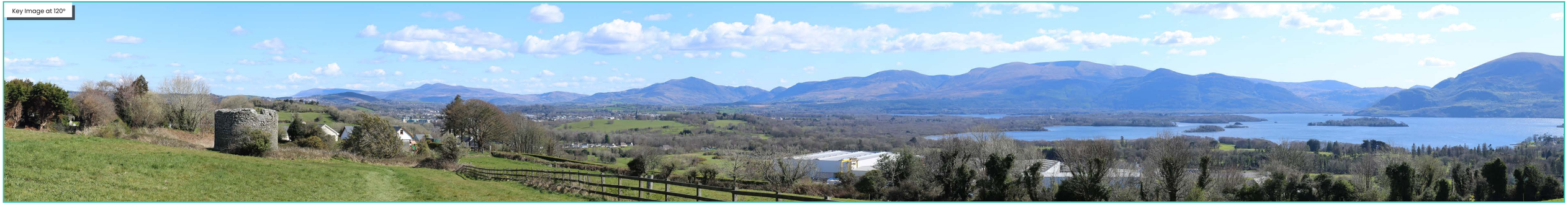
Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

90° View Extent



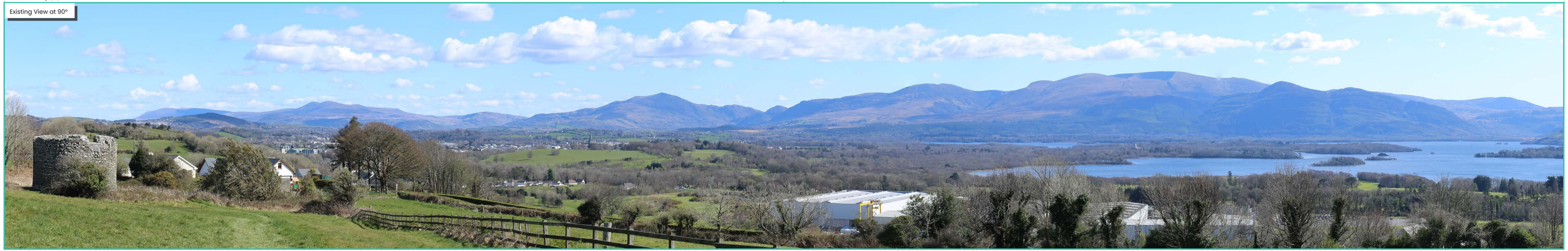
53.5° View Extent

0° Included Horizontal Angle (90°)

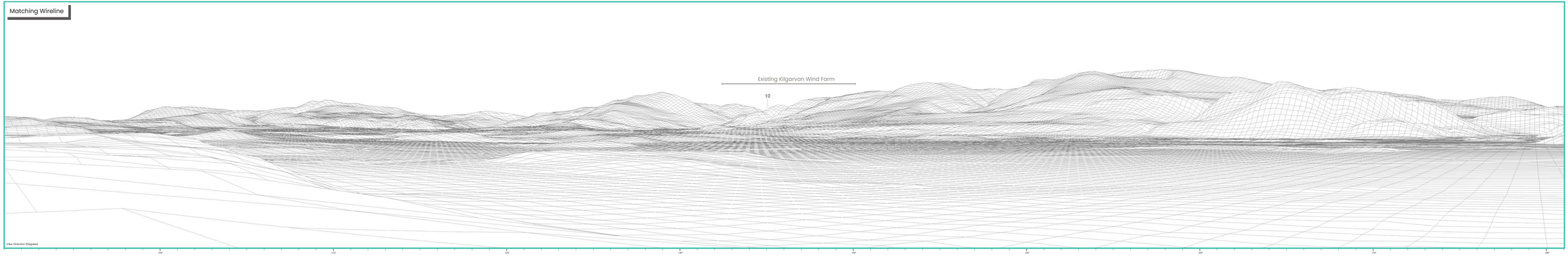
45°

90°

Existing View at 90°



Matching Wireline

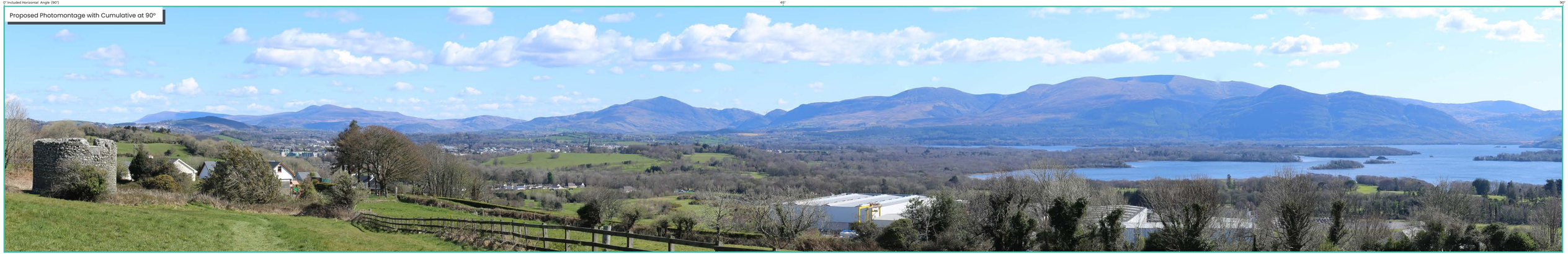


0° Included Horizontal Angle (90°)

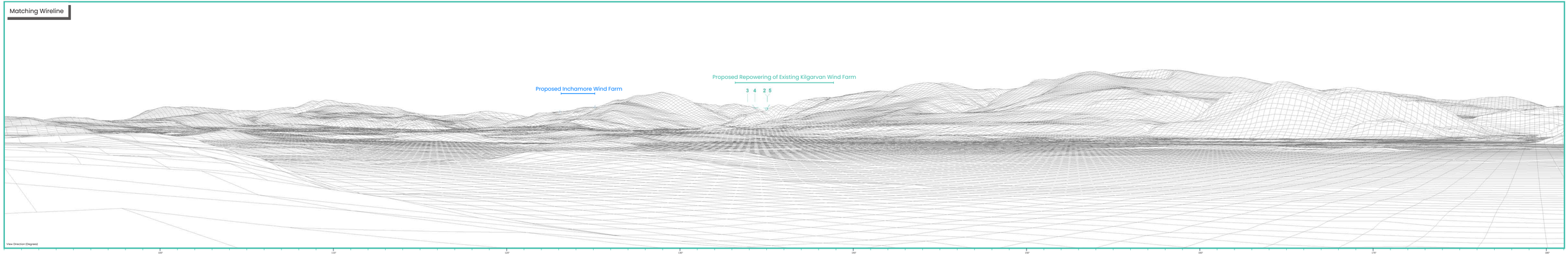
45°

90°

Proposed Photomontage with Cumulative at 90°



Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

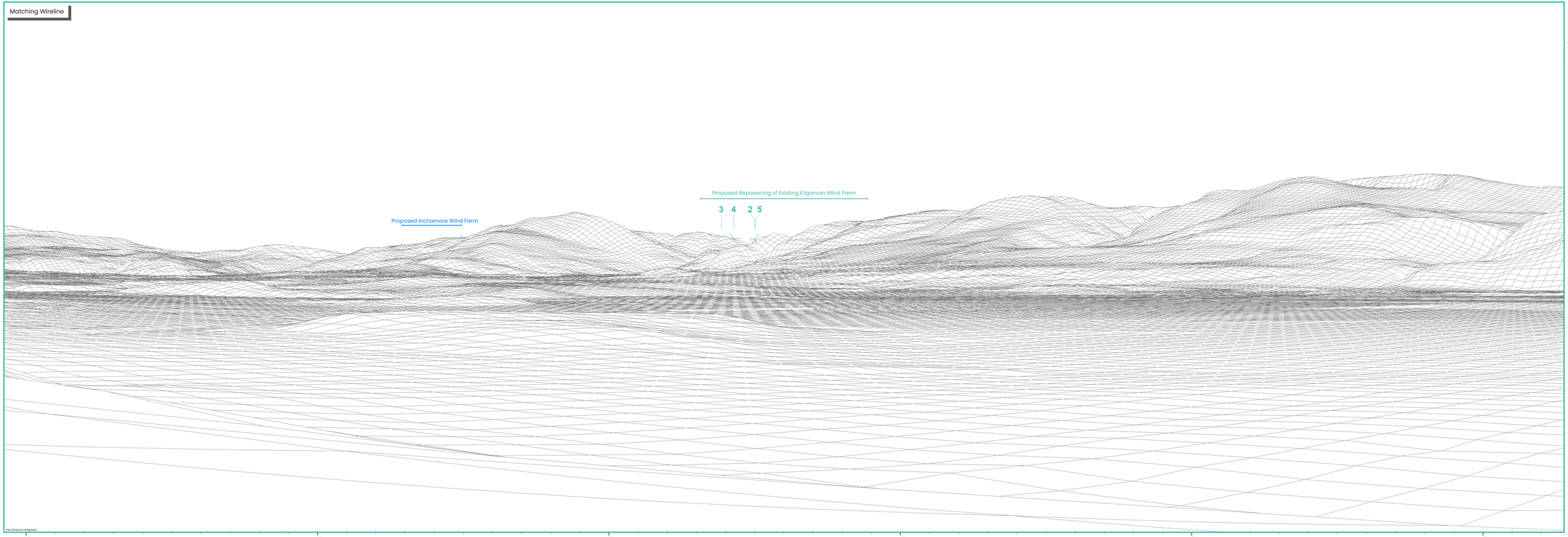
9.1°

18.2°

View Direction (Degrees)

110° 120° 130° 140° 150° 160°

Matching Wireline



0° Included Vertical Angle (18.2°)

9.1°

18.2°

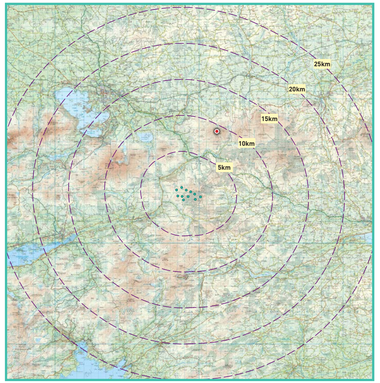
View Point 16

Annagh Beg

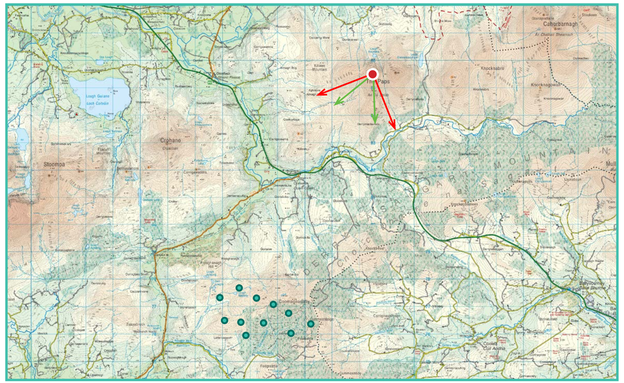
Photomontage 16

View from the top of the West Paps in the townland of Annagh Beg, This viewpoint is located approximately 9.2km north-east of the nearest proposed turbine (T4).

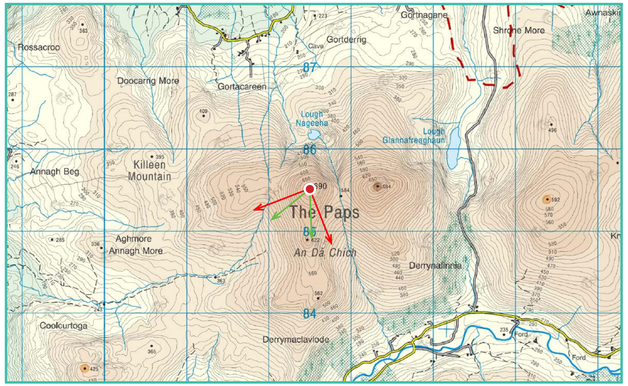
View point grid reference	(E) 512470 (N) 585579
Date of image taken	20.04.2023
Time of image taken	08:38
View point elevation	681m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	204°
Horizontal extent of proposed turbines	20°
Distance to nearest proposed turbine	9.2km (T4)
Number of proposed turbines visible	11/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

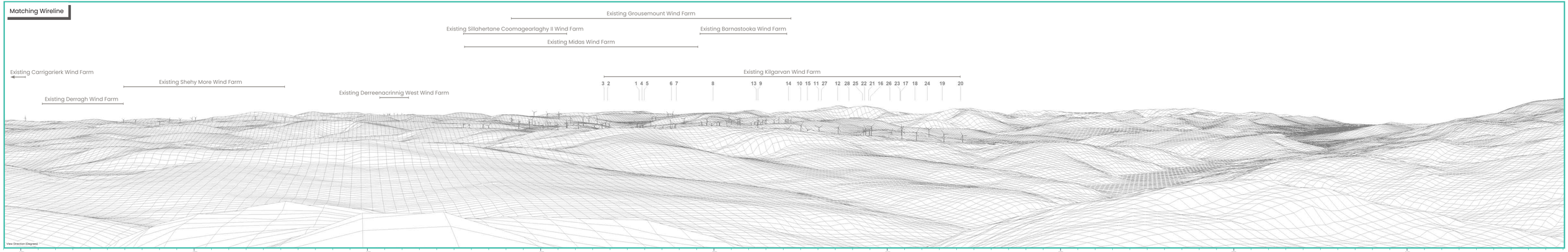
90° View Extent

53.5° View Extent

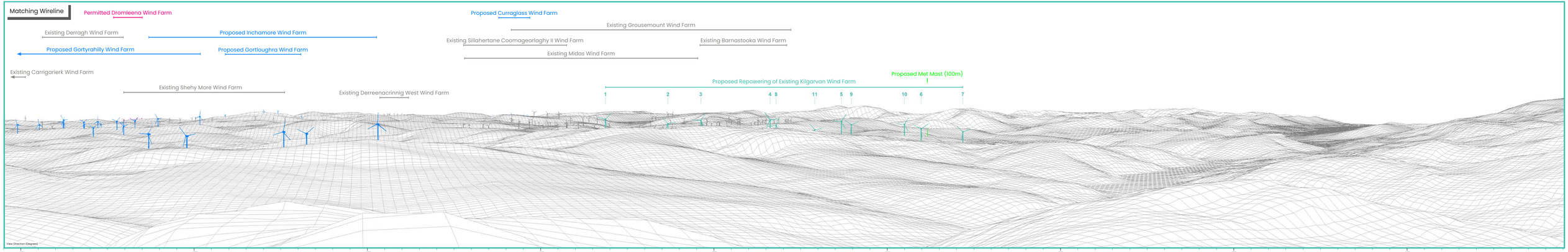
0° Included Horizontal Angle (90°) 45° 90°

Existing View at 90°

Matching Wireline



0° Included Horizontal Angle (90°) 45° 90°



0° Included Horizontal Angle (53.5°)

26.5°

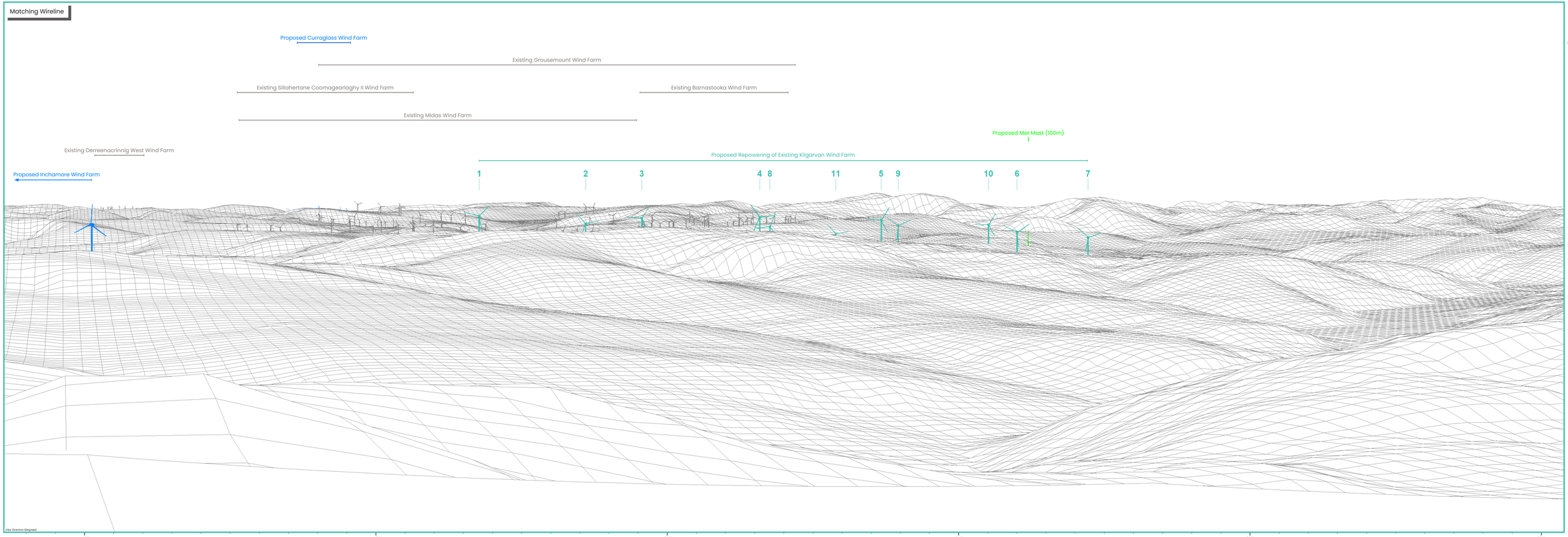
53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Matching Wireline



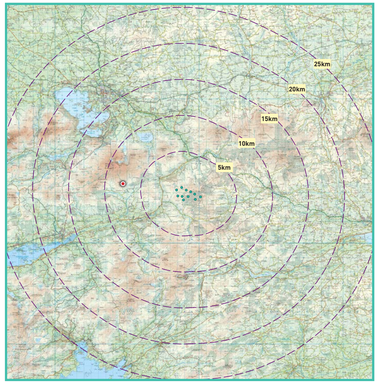
View Point 17

Mangerton

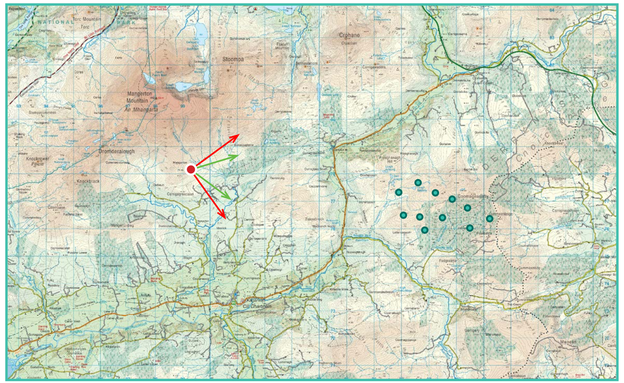
Photomontage 17

View from the southern slope of the Mangerton Mountain in the townland of Mangerton. This viewpoint is located approximately 7.7km west of the nearest proposed turbine (T7).

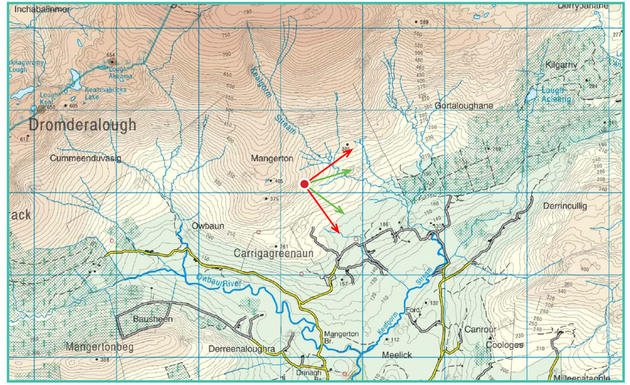
View point grid reference	(E) 499257 (N) 578175
Date of image taken	20.04.2023
Time of image taken	14:40
View point elevation	319m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	99°
Horizontal extent of proposed turbines	12°
Distance to nearest proposed turbine	7.7km (T7)
Number of proposed turbines visible	11/11
Turbine Hub Height	118m
Turbine Tip Height	199.5m
Turbine Rotor Diameter	163m
Montage Type	Type 4* Photomontage / Photowire /Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	* Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 25km radius.



View point relative to wind farm site.



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Repowering of Existing Kilgarvan Wind Farm

Wireline Legend

- Proposed Repowering of Existing Kilgarvan Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast (100m)

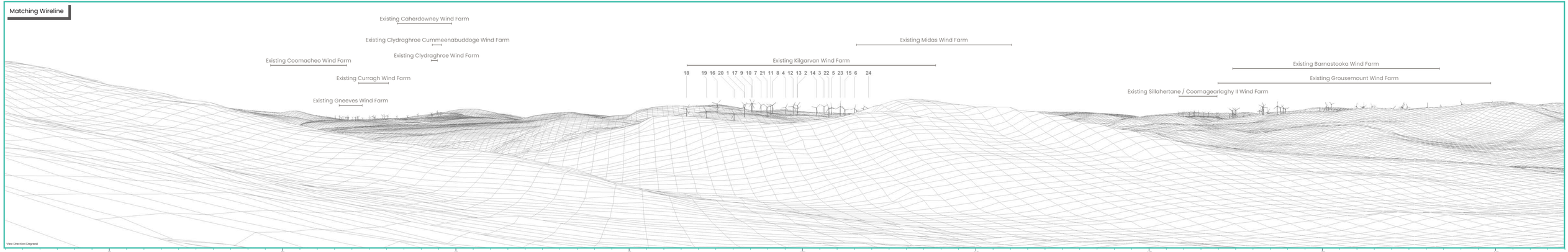
90° View Extent

53.5° View Extent

0° Included Horizontal Angle (90°) 45° 90°

Existing View at 90°

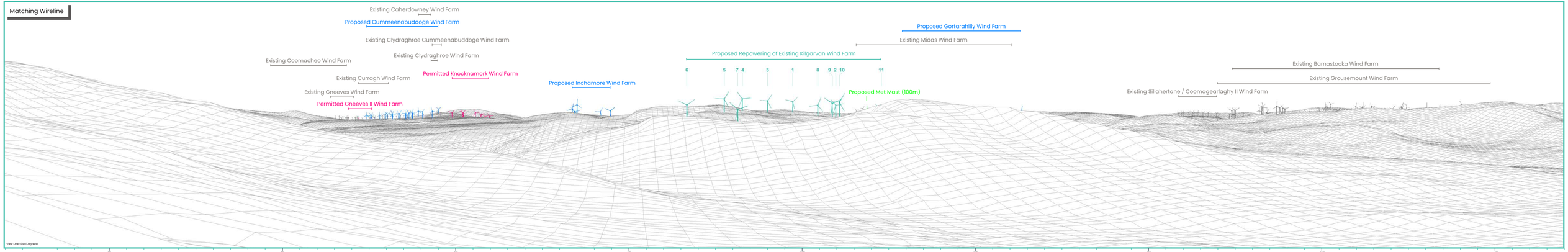
Matching Wireline



0° Included Horizontal Angle (90°) 45° 90°

Proposed Photomontage with Cumulative at 90°

Matching Wireline



0° Included Horizontal Angle (53.5°)

26.5°

53.5°

0° Included Vertical Angle (18.2°)

9.1°

18.2°

Proposed Photomontage with Cumulative at 53.5°

View Direction (Degrees)

80°

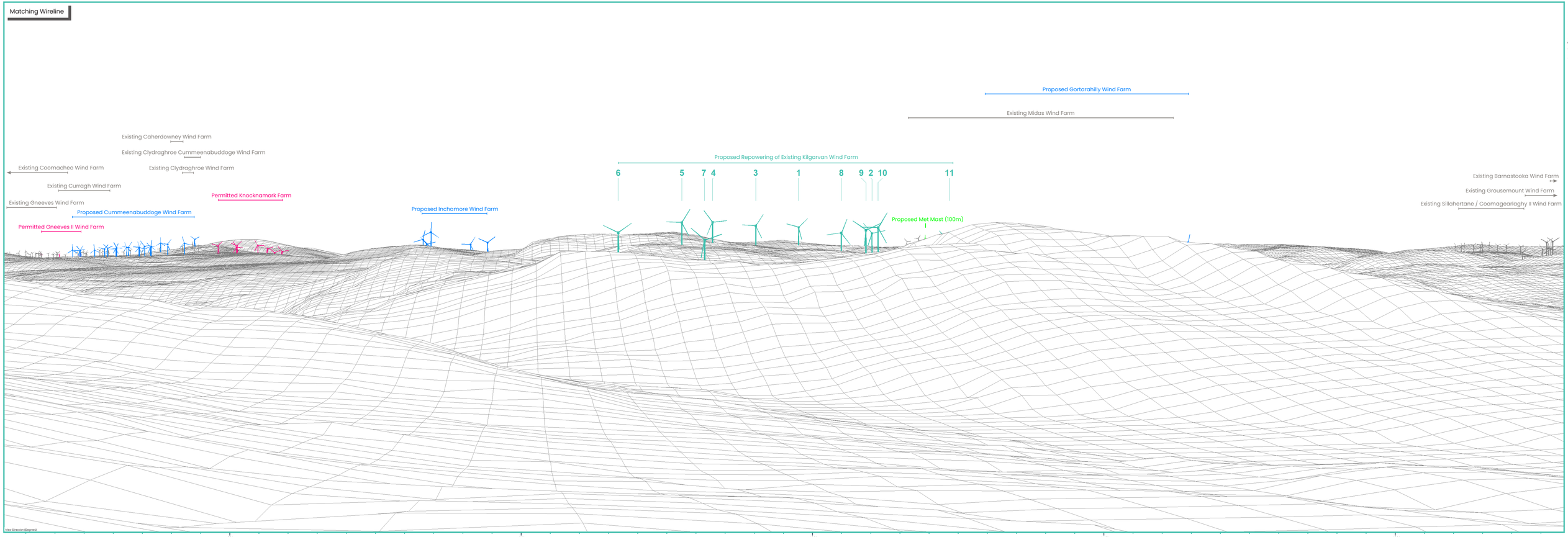
90°

100°

110°

120°

Matching Wireline



0° Included Vertical Angle (18.2°)

9.1°

18.2°