



Proposed Lackareagh Wind Farm

EIAR Volume 2a
Photomontage Booklet

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The full methodology used for production of photomontages, Viewpoint Selection and impact assessment are included in Appendix 14-1 - 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)



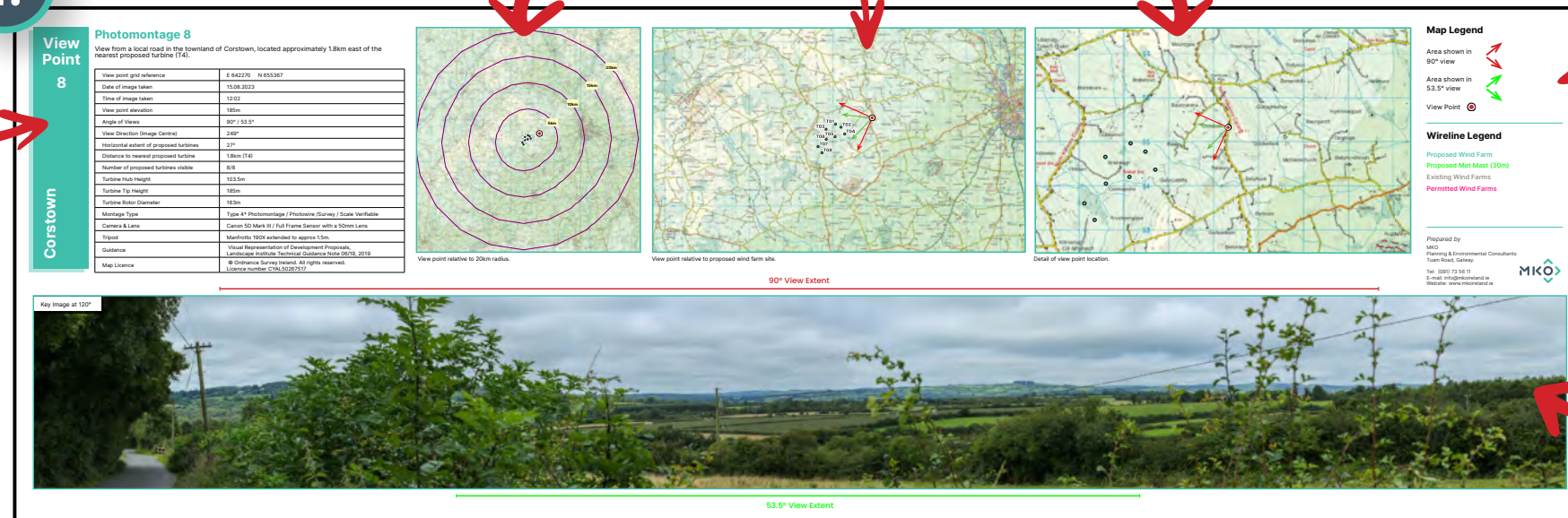
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USER GUIDE

1.



3 x Maps to show you the Viewpoint
and turbine locations



Map legend and Wireline legend

This image shows the Existing View at 120°

VISUAL TOOL

It is recommended that photomontages at 53.5° are simply viewed at a comfortable arm's length. (approximately 500mm - 550mm - Visual Representation of Development Proposals LI TGN 06/19 Page 14 of 58).

This will vary depending on the length of the viewer's arms and their eyesight. They should also be viewed flat as they are in planar projection.



TURBINE GUIDE

Colour reference
indicating the status of
each development.



Cumulative



Permitted Wind Farms



Proposed Met Mast

2.

This image shows the "Existing View at 90°"



This 90° "matching wireline" will show Existing Wind Farms within 20km

This 90° "Matching Wireline" shows the Proposed Wind Farm with other (cumulative) wind farms in the area, i.e existing, permitted, other proposed wind farms etc...

3.



This image illustrates the "Proposed Wind Farm at 53.5°". Other existing permitted and proposed wind farms are also shown.

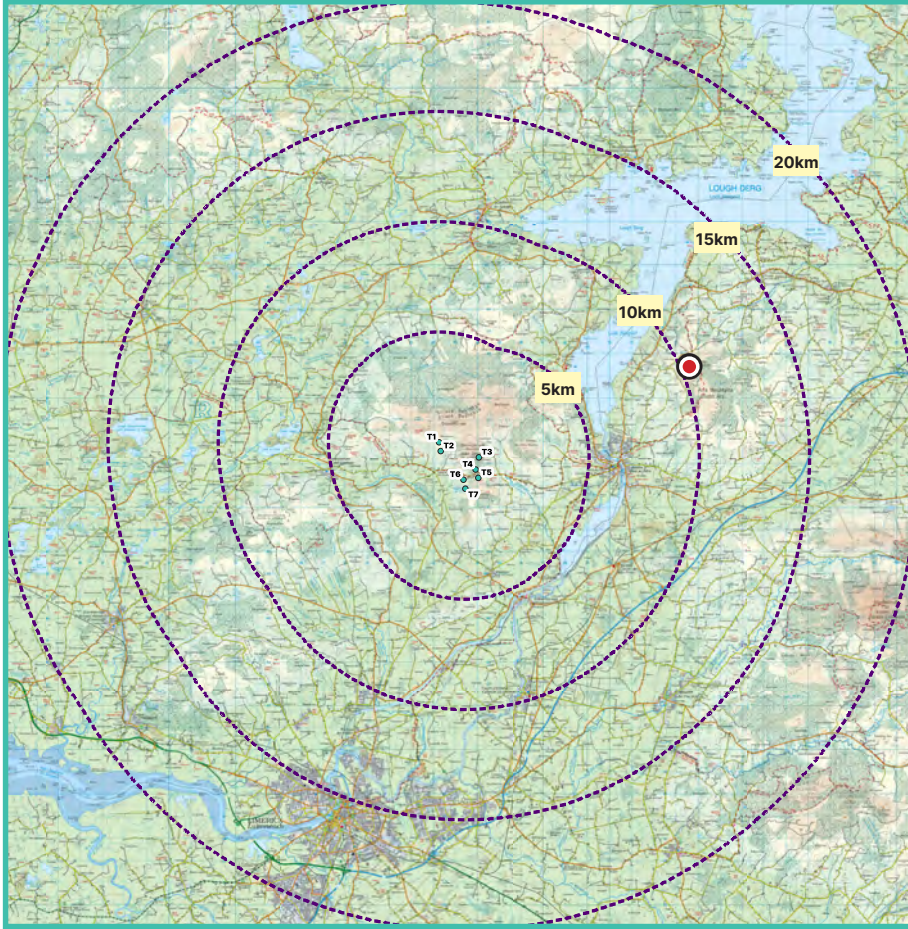
This 53.5°
"matching wireline"
shows the
Proposed Wind Farm
and visible cumulative.

Using 3d software, the "Proposed View at 90°" illustrates how the proposed development will look if constructed.

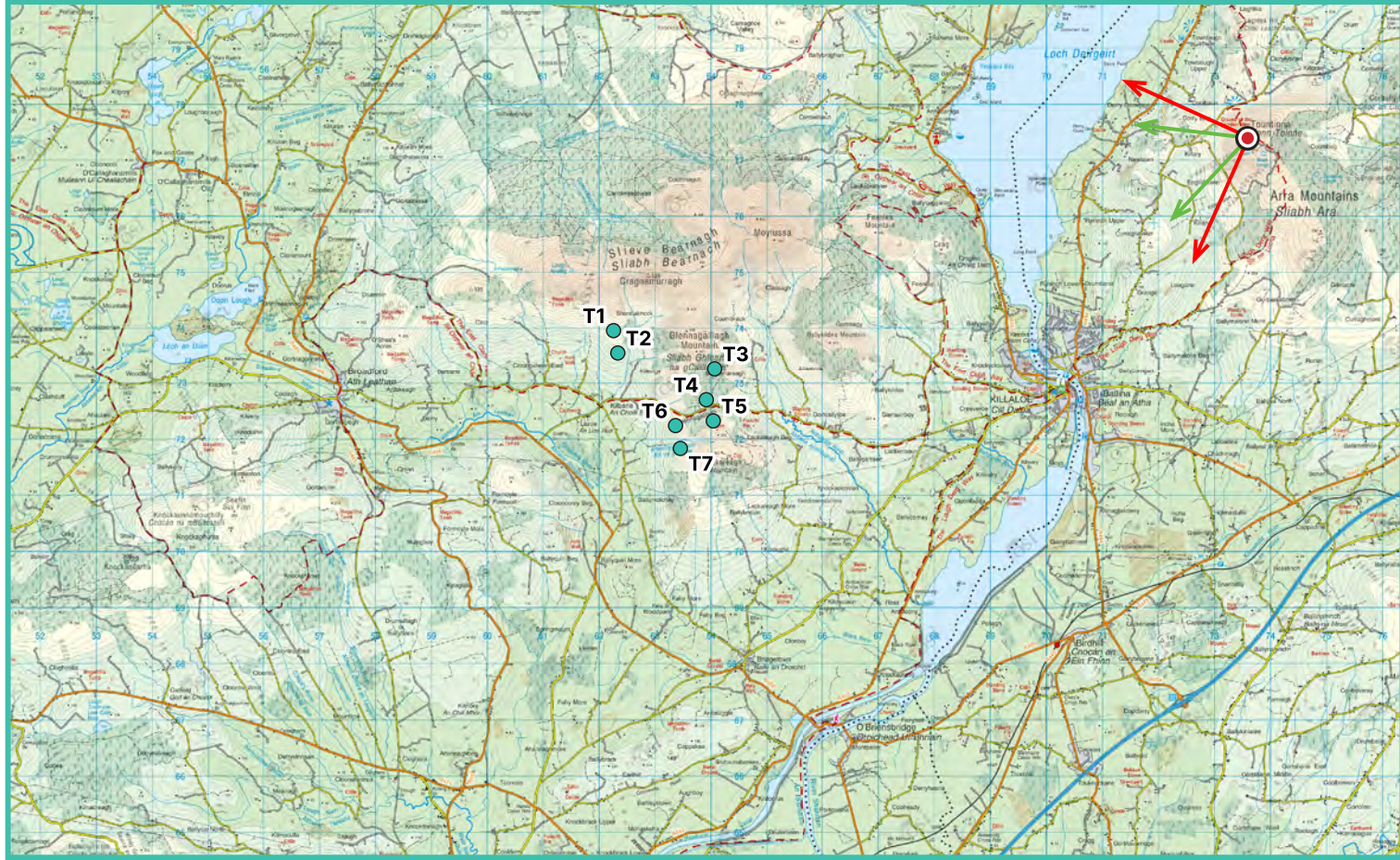
Photomontage 01

View from the top of Tountinna Mt looking west over Lough Derg, overlaps with Lough Derg Way. Located approximately 10.4km east of the nearest turbine (T3).

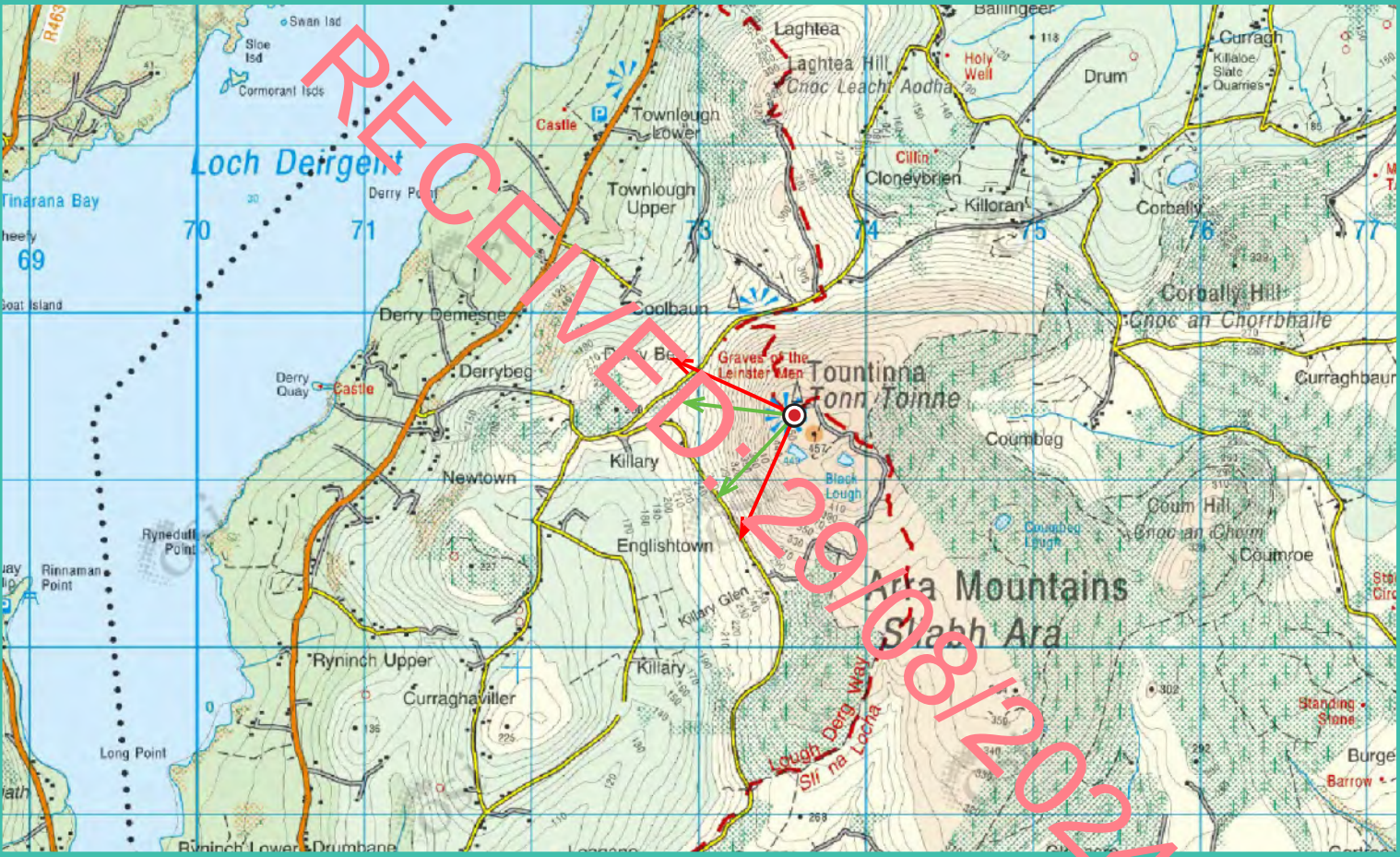
| | |
|--|---|
| View point grid reference | E 573532 N 677431 |
| Date of image taken | 06.09.2023 |
| Time of image taken | 10:09 |
| View point elevation | 445.5m |
| Angle of Views | 90° / 53.5° |
| View Direction (Image Centre) | 246° |
| Horizontal extent of proposed turbines | 12° |
| Distance to nearest proposed turbine | 10.4km (T3) |
| Number of proposed turbines visible | 5/7 |
| Turbine Hub Height | 105m |
| Turbine Tip Height | 180m |
| Turbine Rotor Diameter | 150m |
| 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 20km radius.



View point relative to proposed wind farm site.



Detail of view point location.

Map Legend

Area shown in 90° view



Area shown in 53.5° view



View Point



Proposed Lackareagh Turbine



Wireline Legend

Proposed Lackareagh Wind Farm

Proposed Met Mast (35m)

Existing Wind Farms

Permitted Wind Farms

Other Proposed Wind Farms

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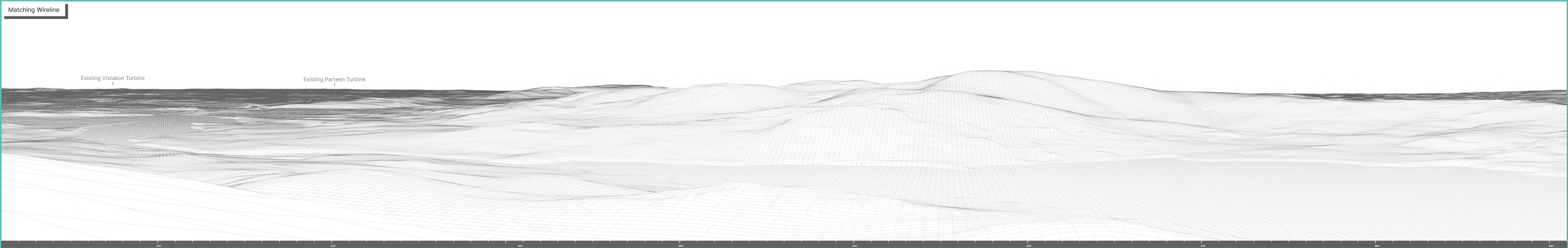


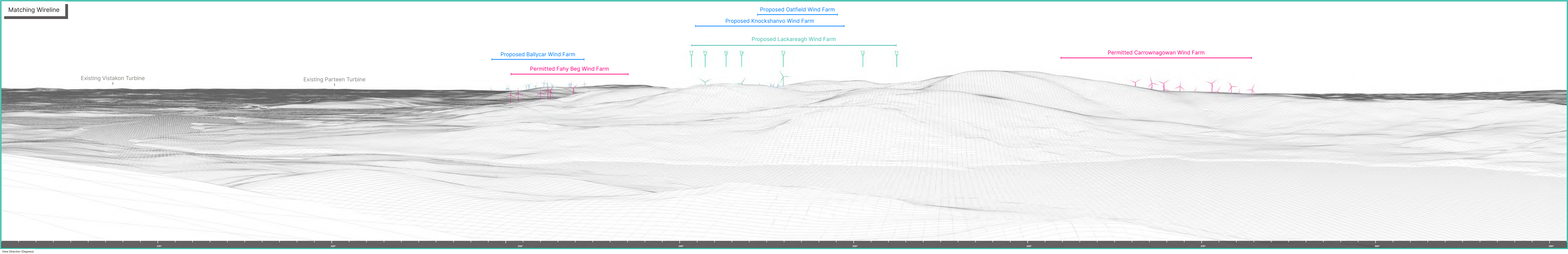
53.5° View Extent

Existing View at 90°



Matching Wireline

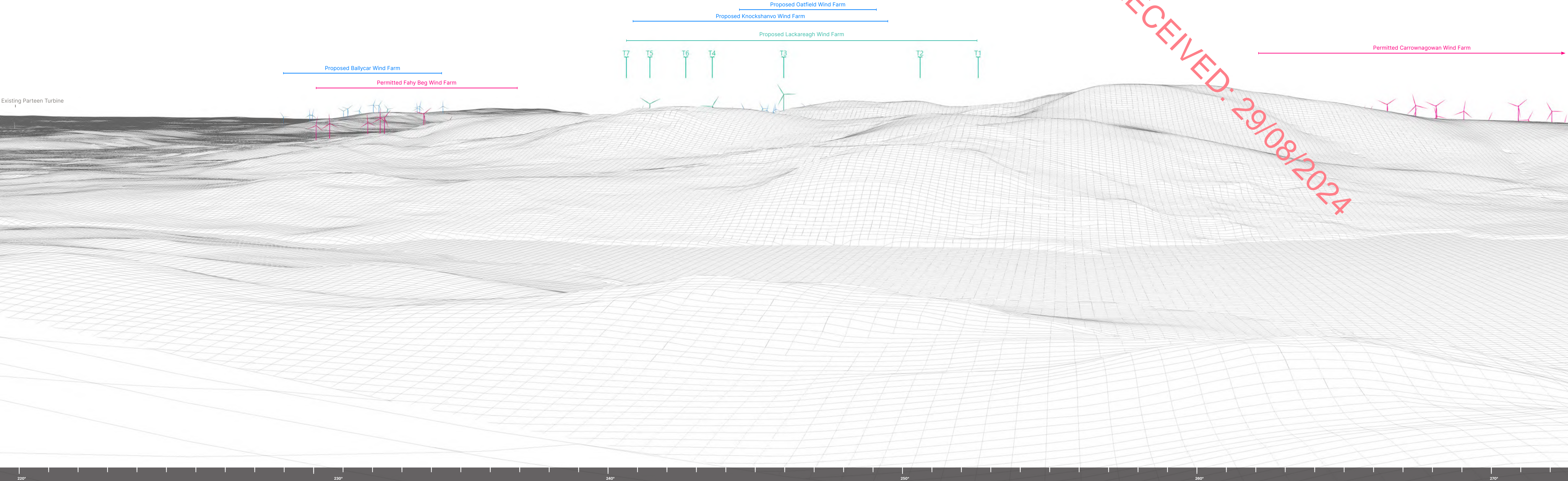




Proposed Photomontage with Cumulative at 53.5°



Existing Parteen Turbine



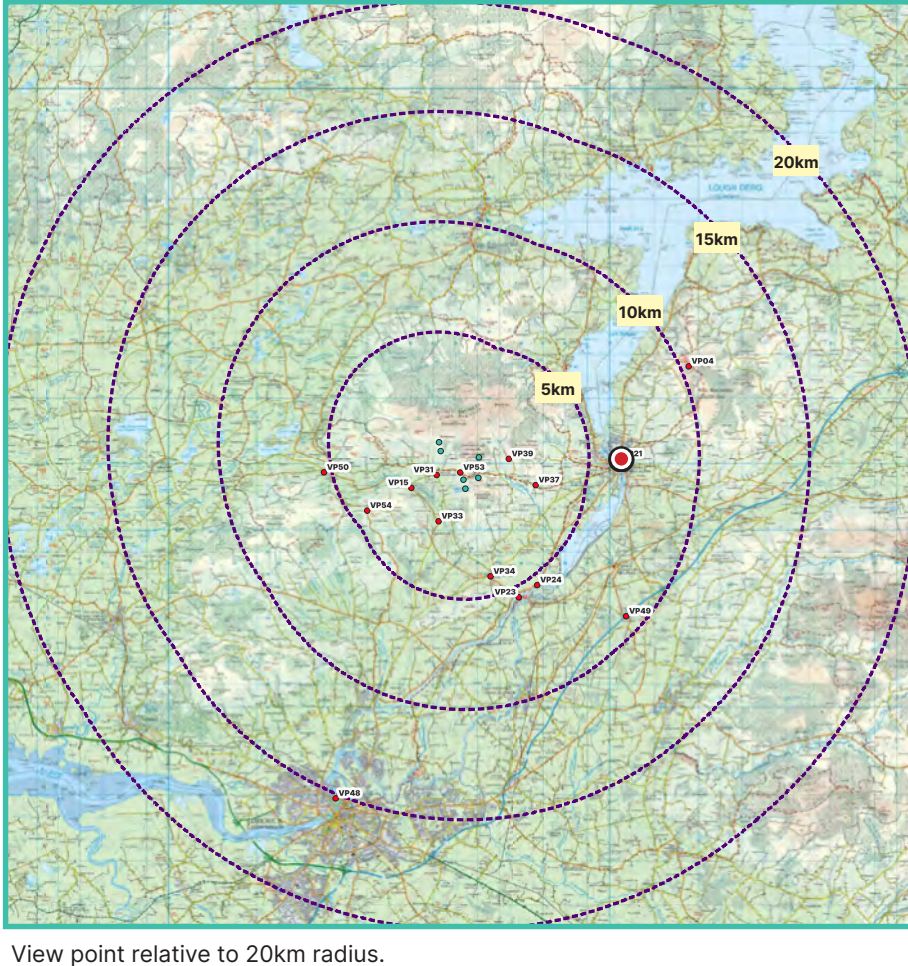
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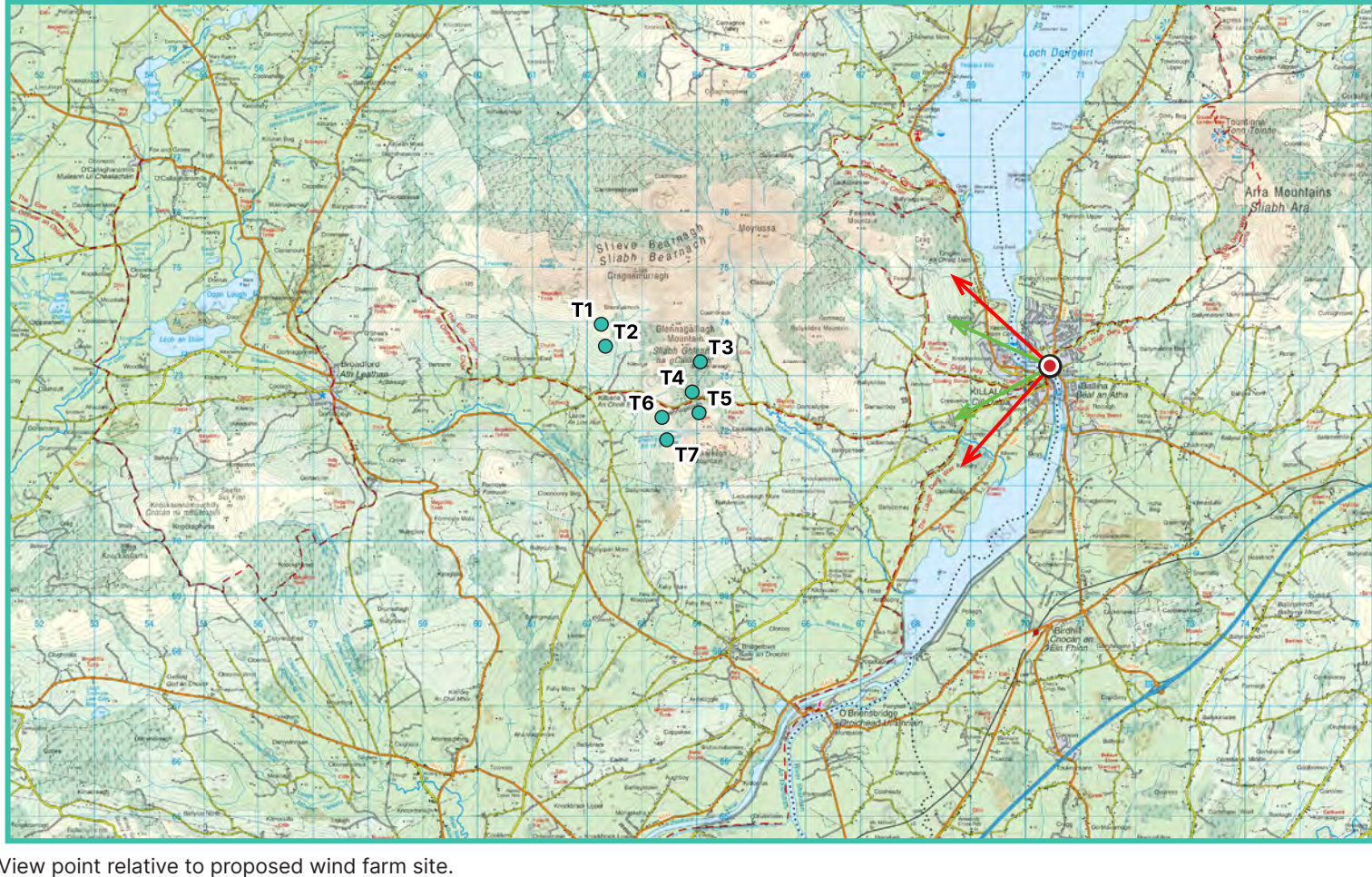
Photomontage 02

View from the park at Killaloe Bridge on the eastern bank of the River Shannon in Killaloe. Located approximately 6.3km east of the nearest proposed turbine (T3).

| | |
|--|---|
| View point grid reference | E 570397 N 673231 |
| Date of image taken | 14.10.2023 |
| Time of image taken | 09:53 |
| View point elevation | 31m |
| Angle of Views | 90° / 53.5° |
| View Direction (Image Centre) | 268° |
| Horizontal extent of proposed turbines | 16° |
| Distance to nearest proposed turbine | 6.3km (T3) |
| Number of proposed turbines visible | 3/7 |
| Turbine Hub Height | 105m |
| Turbine Tip Height | 180m |
| Turbine Rotor Diameter | 150m |
| 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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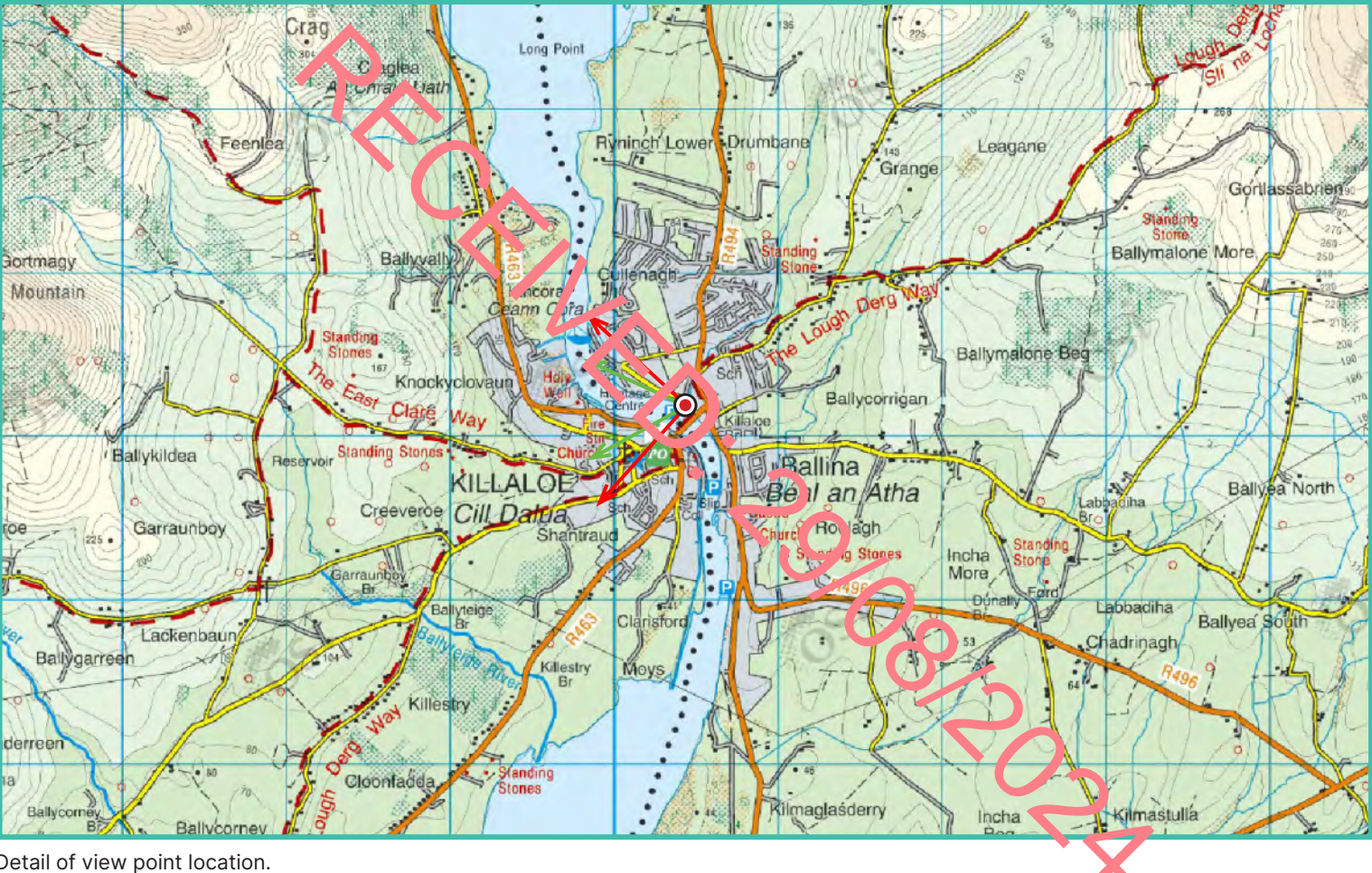


View point relative to 20km radius.



View point relative to proposed wind farm site.

90° View Extent



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Lackareagh Turbine

Wireline Legend

- Proposed Lackareagh Wind Farm
- Proposed Met Mast (35m)
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms

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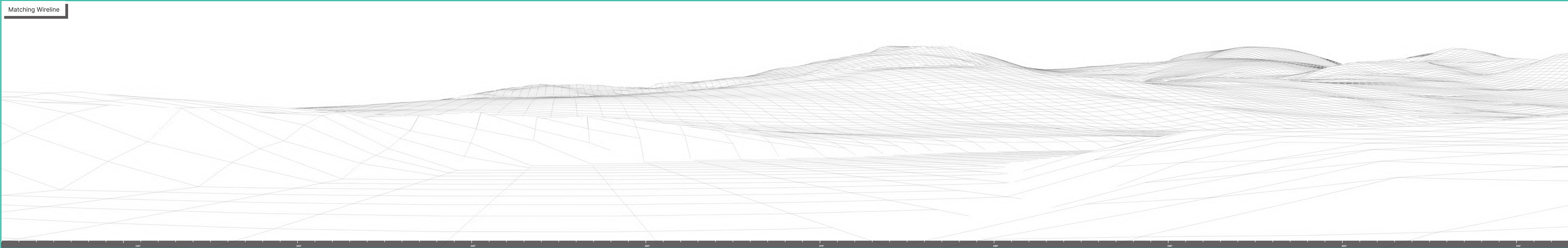


53.5° View Extent

Existing View at 90°



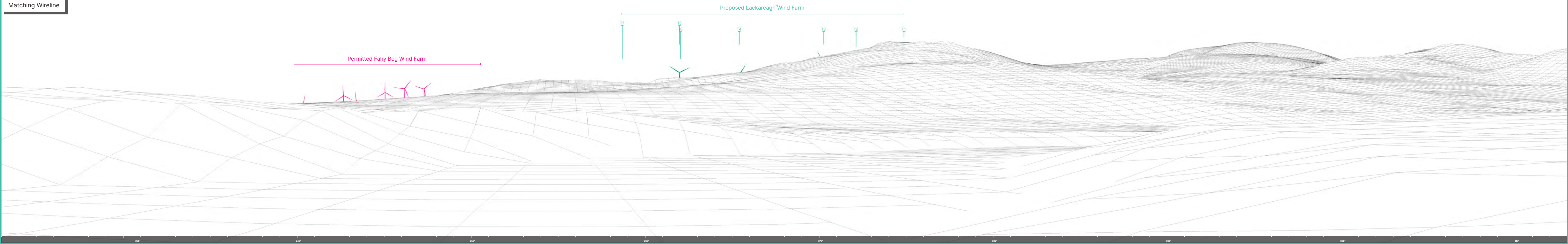
Matching Wireline



Proposed Photomontage with Cumulative at 90°



Matching Wireline



Proposed Photomontage with Cumulative at 53.5°



