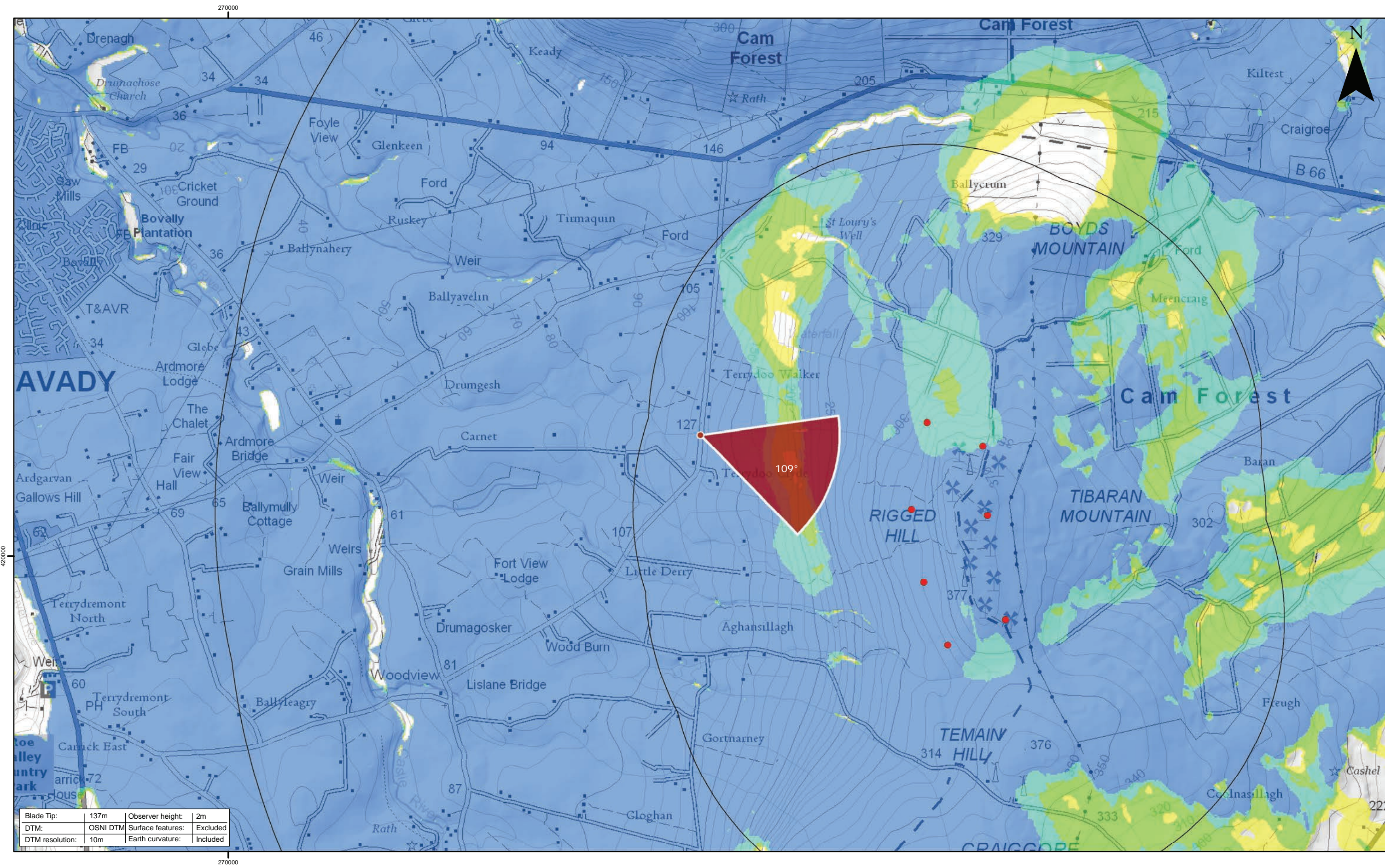


- Legend**
- Proposed Wind Turbine
- Distance Radius Based on Wind Turbine Locations
- 2, 5, 10 & 15 km Radii
  - 30 km Radius Study Area
- Viewpoint Location
- 90° Field of View Viewpoint (Panorama with Wireline)
  - 53.5° Field of View Viewpoint
- Blade Tip ZTV
- No. of Turbines Theoretically Visible
- 1 - 2
  - 3 - 4
  - 5 - 6
  - 7
- Cumulative Windfarm Status
- Operational
  - Under Construction
  - Consented
  - Appeal / Application

**Note:**

1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:  
Blade tip height: 137m  
DTM Data: OSNI 10m DTM  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction have been included in calculations.

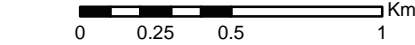
2. Cumulative Windfarms: Single turbines in close proximity to the Development have not been labelled. Full 30km Study Area is not being shown on this figure. For full extent of 30km Study Area and assessed cumulative windfarms see Figure 6.12.



Blade Tip:	137m	Observer height:	2m
DTM:	OSNI DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included



Rev	Date	By	Comment
1	19/06/2019	JM	Second Issue.
0	25/03/2019	JM	First Issue.



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<b>Rigged Hill Windfarm Repowering</b> Figure 6.28 - Viewpoint 1 Terrydoo Road		<b>Drawing Number:</b> 2607-LVIA-030	<b>Datum</b> TM65	<b>Projection</b> TM
		<b>Scale @ A3</b> 1:25,000	<b>Drawing produced by</b> Optimised Environments Ltd.	

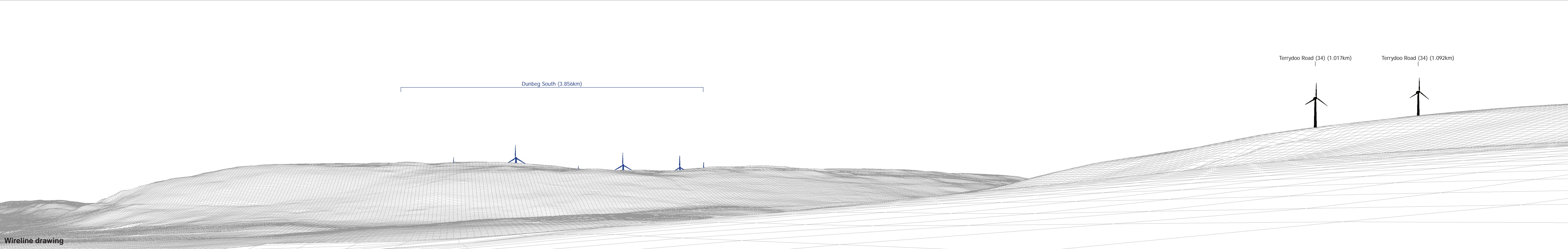
U:\PS-EE-GIS\0309 REV\001





Baseline photograph

This image provides landscape and visual context only

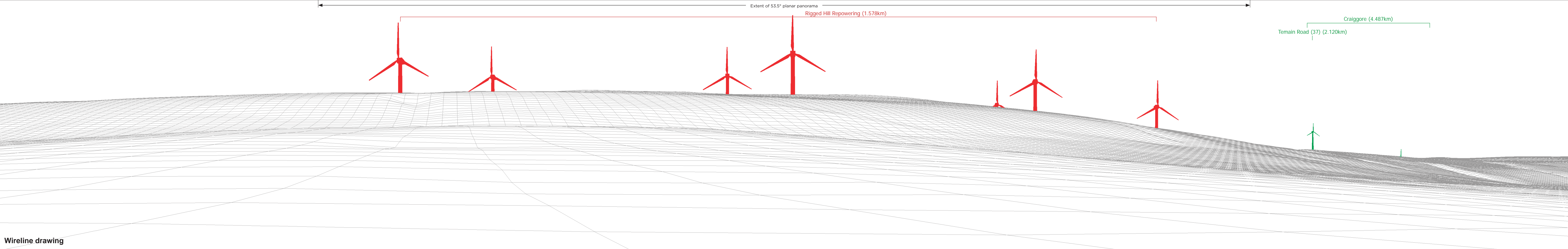


Wireline drawing

OS reference:	273389 E 420871 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D	Note: The Terrydoo Road turbines have been added to the baseline view.
Eye level:	127.7 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)	
Direction of view:	19°			Camera height:	1.5 m AGL	
Nearest turbine:	1.609 km			Date and time:	20/06/17, 14:41	

Figure: 6.28b  
Viewpoint 1: Terrydoo Road









Baseline photograph

This image provides landscape and visual context only



Wireline drawing

OS reference:	273389 E 420871 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	127.7 m AOD	Principal distance:	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	199°			Camera height:	1.5 m AGL
Nearest turbine:	1.609 km			Date and time:	20/06/17, 14:41

Figure: 6.28d  
Viewpoint 1: Terrydoo Road





Baseline photograph

This image provides landscape and visual context only

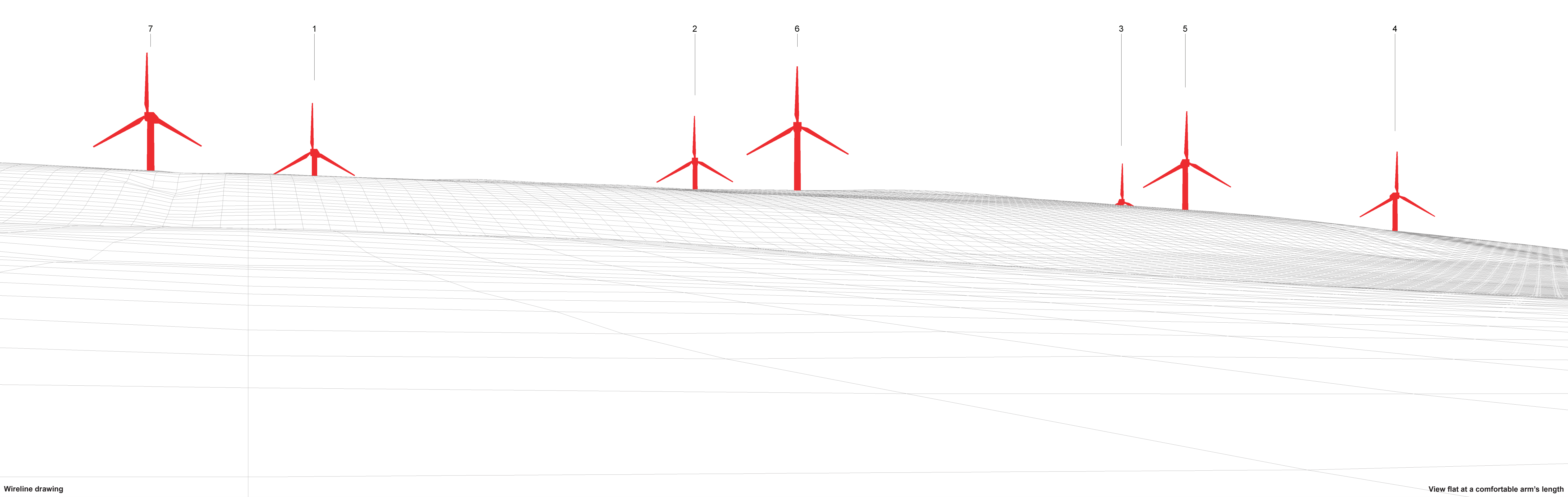


Wireline drawing

OS reference:	273389 E 420871 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	127.7 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	289°			Camera height:	1.5 m AGL
Nearest turbine:	1.609 km			Date and time:	20/06/17, 14:41

Figure: 6.28e  
Viewpoint 1: Terrydoo Road





Wireline drawing

View flat at a comfortable arm's length

<b>OS reference:</b> 273397 E 420868 N		<b>Horizontal field of view:</b> 53.5° (planar projection)		<b>Camera:</b> Canon EOS 6D	
<b>Eye level:</b> 127.7 m AOD		<b>Principal distance:</b> 812.5 mm		<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)	
<b>Direction of view:</b> 109°		<b>Paper size:</b> 841 x 297 mm		<b>Camera height:</b> 1.5 m AGL	
<b>Nearest turbine:</b> 1.609 km		<b>Correct printed image size:</b> 820 x 260 mm		<b>Date and time:</b> 20/06/17, 14:41	

**Figure: 6.28f**  
**Viewpoint 1: Terrydoo Road**





Photomontage

View flat at a comfortable arm's length

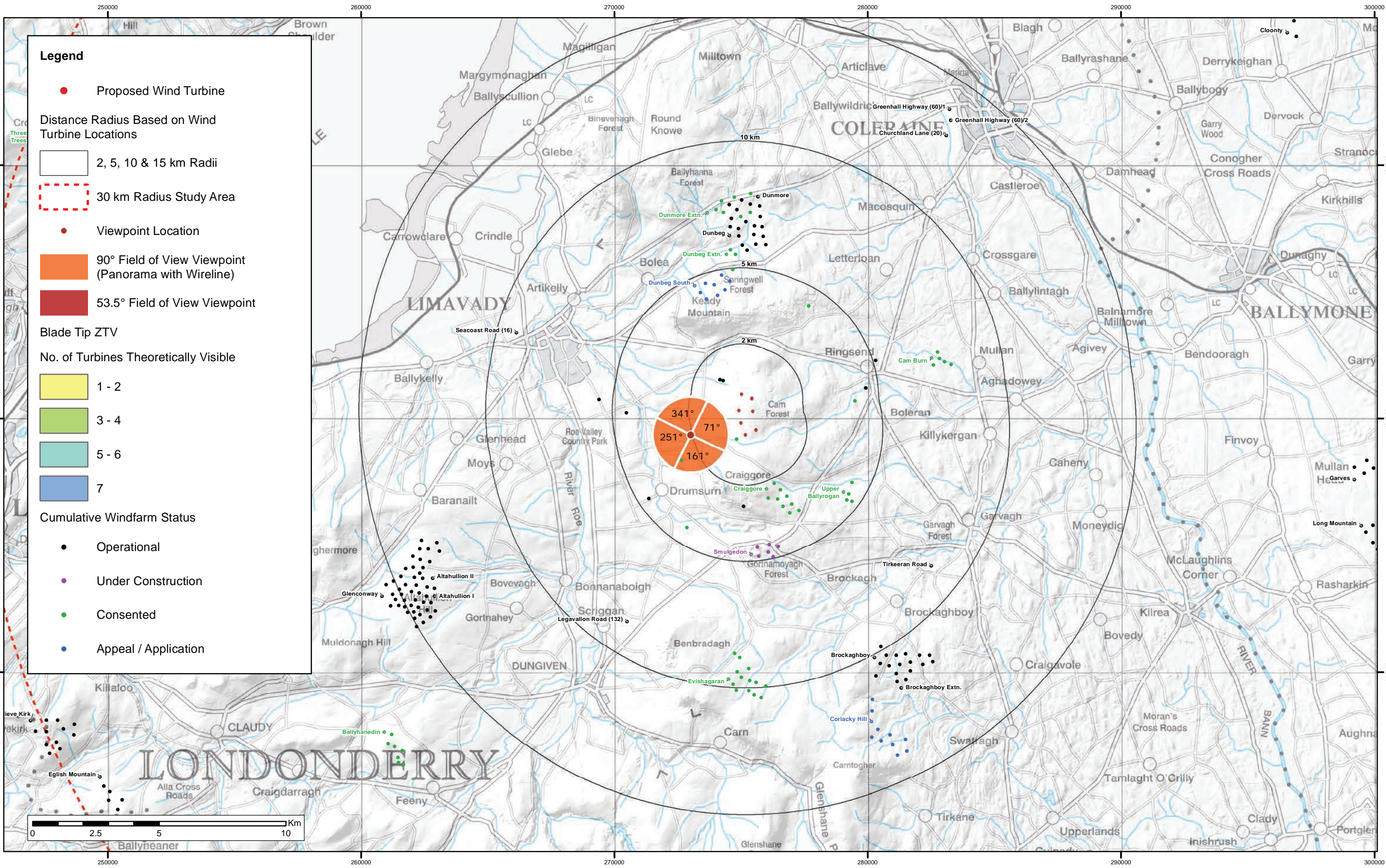
**OS reference:** 273397 E 420868 N  
**Eye level:** 127.7 m AOD  
**Direction of view:** 109°  
**Nearest turbine:** 1.609 km

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

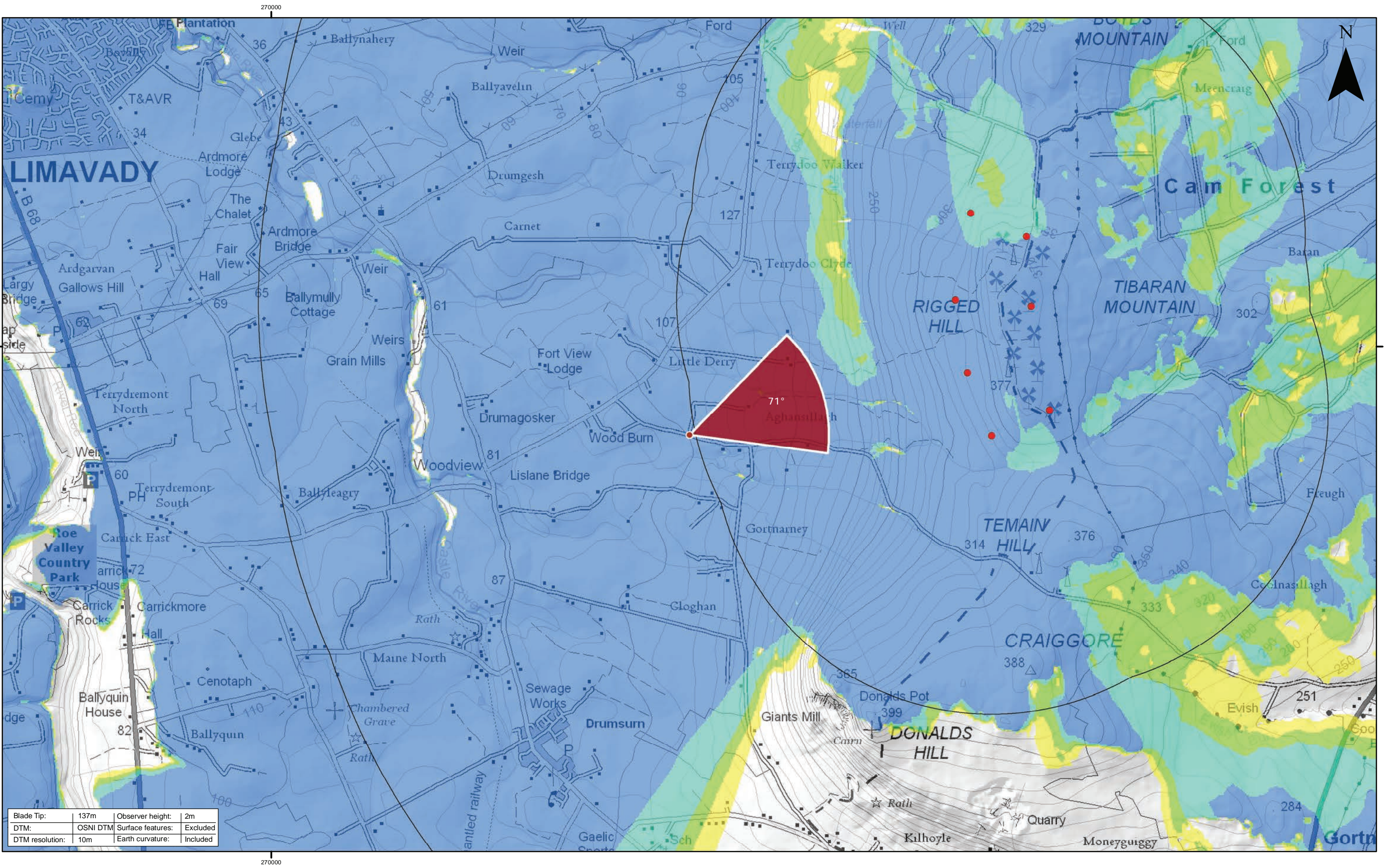
**Camera:** Canon EOS 6D  
**Lens:** 50mm (Canon EF 50mm f/1.4)  
**Camera height:** 1.5 m AGL  
**Date and time:** 20/06/17, 14:41

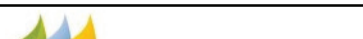

**Figure: 6.28g**  
**Viewpoint 1: Terrydoo Road**





**Note:**  
1. **ZTV:** Created using ESRI ArcGIS 10.6 software using the following data and parameters:  
Blade tip height: 137m  
DTM Data: OSNI 10m DTM  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction have been included in calculations.  
2. **Cumulative Windfarms:** Single turbines in close proximity to the Development have not been labelled. Full 30km Study Area is not being shown on this figure.  
For full extent of 30km Study Area and assessed cumulative windfarms see Figure 6.12.



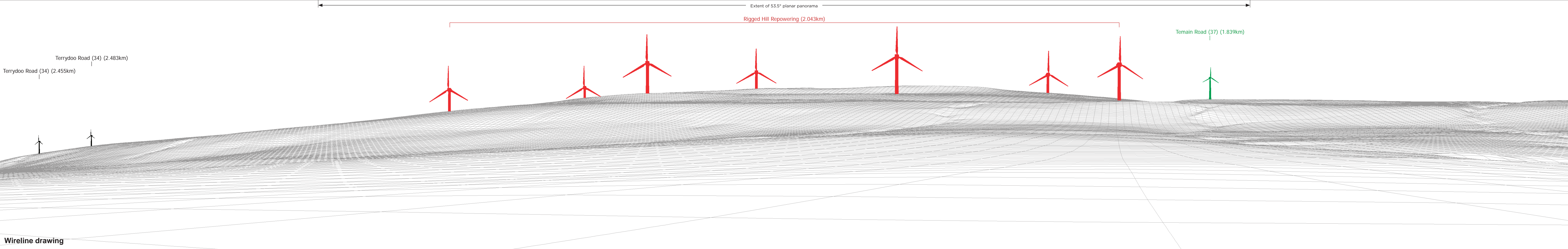
 <b>SCOTTISHPOWER RENEWABLES</b>					 0 0.25 0.5 1 Km  This is Crown Copyright and is reproduced with the permission of Land & Property Services under delegated authority the Controller of Her Majesty's Stationery Office, © Crown Copyright and database right 2017 Licence Number 100,220-163505	<b>Rigged Hill Windfarm Repowering</b> Figure 6.29 - Viewpoint 2 Temain Road to Aghansillagh and Temain Hill	<b>Drawing Number:</b> 2607-LVIA-031	Datum TM65	Projection TM
	1	19/06/2019	JM	Second Issue.			<b>Scale @ A3</b> 1:25,000	<b>Drawing produced by</b> Optimised Environments Ltd.	
	0	25/03/2019	JM	First Issue.					
	Rev	Date	By	Comment					





Baseline photograph

This image provides landscape and visual context only



OS reference:	272999 E 419369 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	104.02 m AOD	Principal distance:	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	71°			Camera height:	1.5 m AGL
Nearest turbine:	2.043 km			Date and time:	20/06/17, 14:55

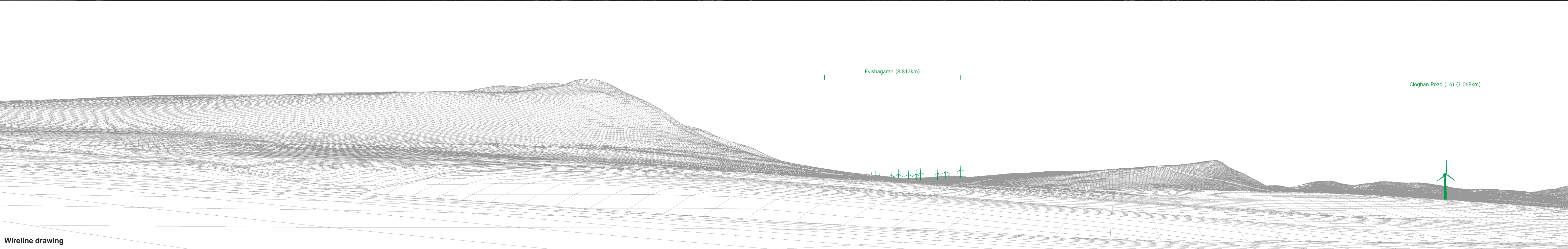
Figure: 6.29b  
Viewpoint 2: Temain Road to Aghansillagh and Temain Hill





Baseline photograph

This image provides landscape and visual context only



Wireline drawing

OS reference:	272999 E 419369 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	104.02 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	161°			Camera height:	1.5 m AGL
Nearest turbine:	2.043 km			Date and time:	20/06/17, 14:55

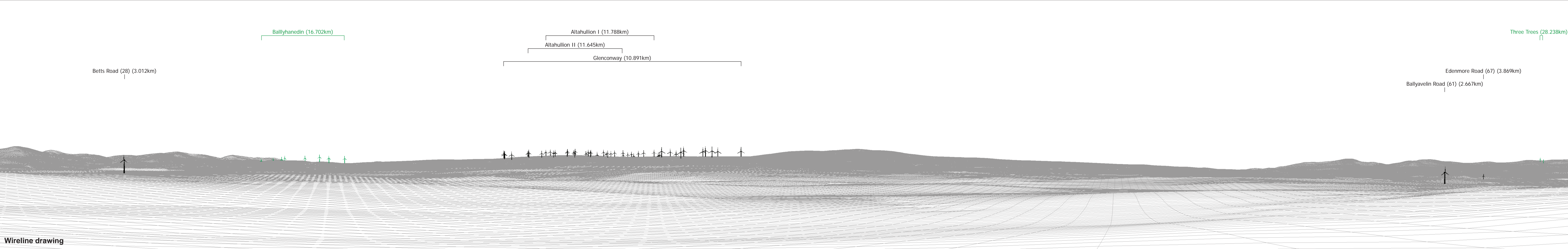
Figure: 6.29c  
Viewpoint 2: Temain Road to Aghansillagh and Temain Hill





Baseline photograph

This image provides landscape and visual context only

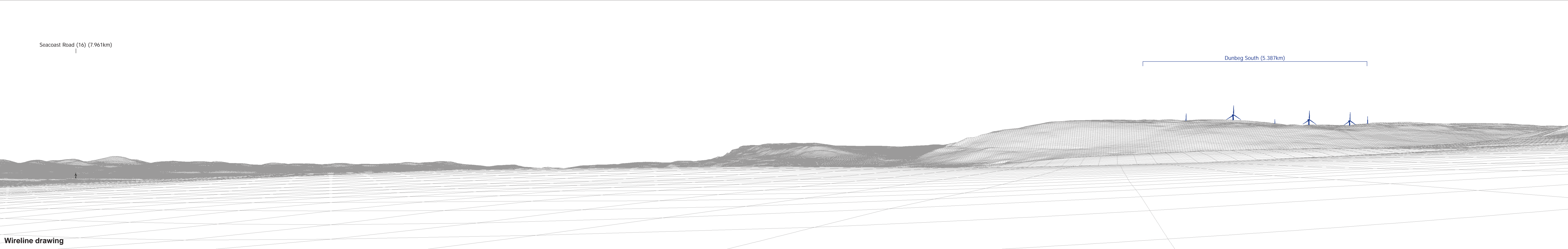


Wireline drawing

OS reference:	272999 E 419369 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	104.02 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	251°			Camera height:	1.5 m AGL
Nearest turbine:	2.043 km			Date and time:	20/06/17, 14:55

Figure: 6.29d  
Viewpoint 2: Temain Road to Aghansillagh and Temain Hill

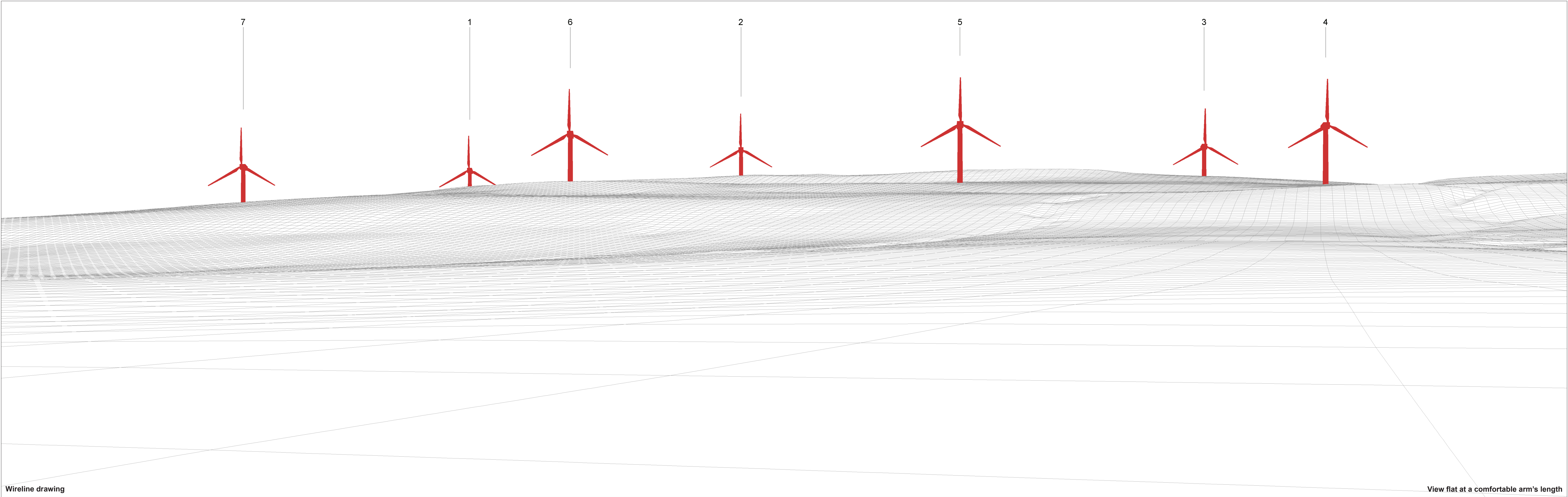




<b>OS reference:</b>	272999 E 419369 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 6D
<b>Eye level:</b>	104.02 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	341°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	2.043 km			<b>Date and time:</b>	20/06/17, 14:55

**Figure: 6.29e**  
**Viewpoint 2: Temain Road to Aghansillagh and Temain Hill**





Wireline drawing

View flat at a comfortable arm's length

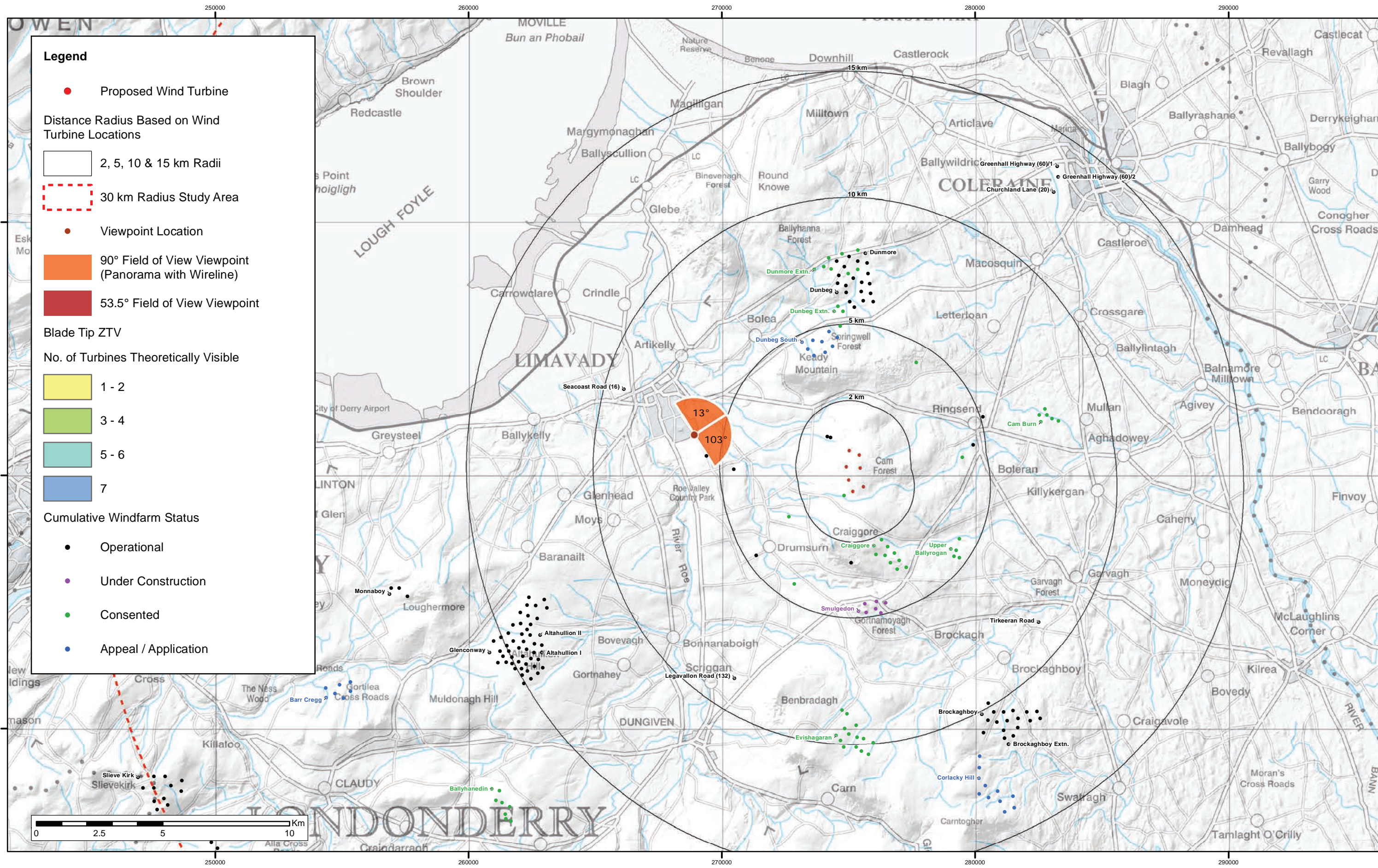




<b>OS reference:</b>	272999 E 419369 N	<b>Horizontal field of view:</b>	53.5° (planar projection)	<b>Camera:</b>	Canon EOS 6D
<b>Eye level:</b>	104.02 m AOD	<b>Principal distance</b>	812.5 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	71°	<b>Paper size:</b>	841 x 297 mm	<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	2.043 km	<b>Correct printed image size:</b>	820 x 260 mm	<b>Date and time:</b>	20/06/17, 14:55

**Figure: 6.29g**  
**Viewpoint 2: Temain Road to Aghansillagh and Temain Hill**

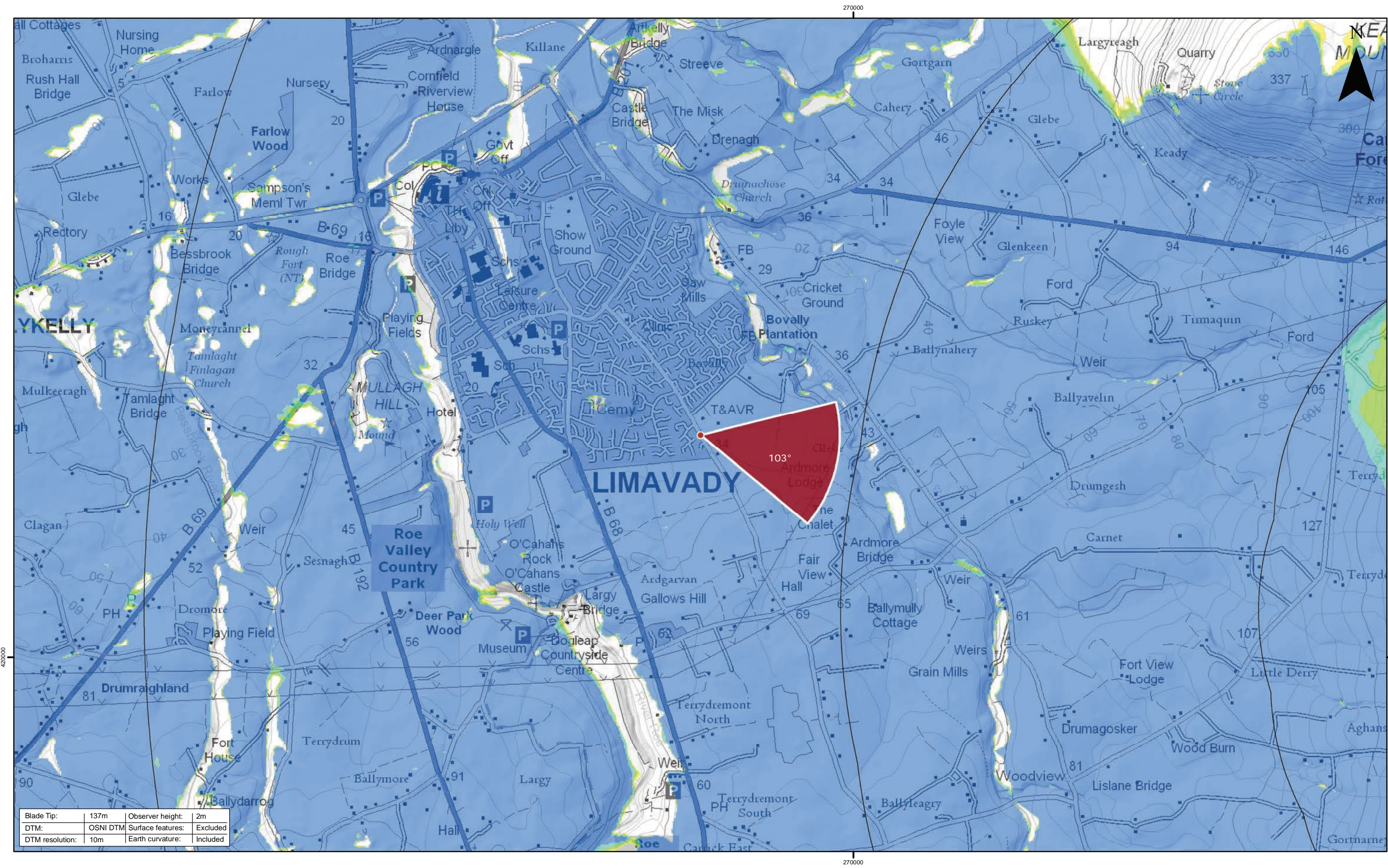




**Note:**

1. **ZTV:** Created using ESRI ArcGIS 10.6 software using the following data and parameters:  
Blade tip height: 137m  
DTM Data: OSNI 10m DTM  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction have been included in calculations.

2. **Cumulative Windfarms:** Single turbines in close proximity to the Development have not been labelled. Full 30km Study Area is not being shown on this figure.  
For full extent of 30km Study Area and assessed cumulative windfarms see Figure 6.12.



1	19/06/2019	JM	Second Issue.
0	25/03/2019	JM	First Issue.
Rev	Date	By	Comment

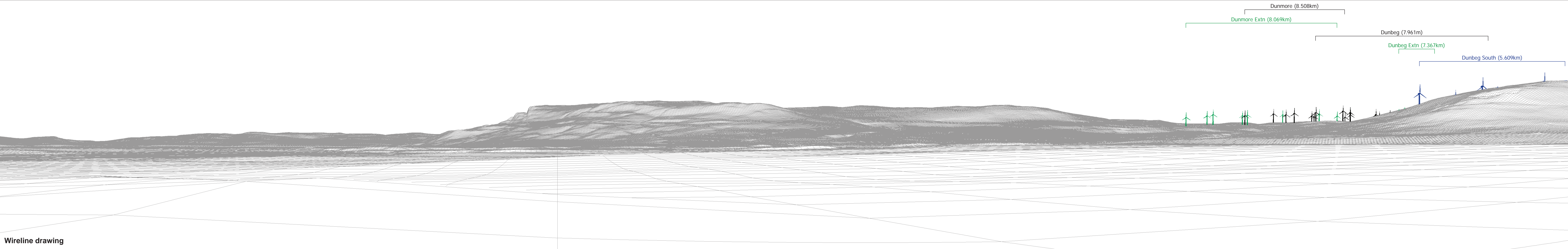
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**Rigged Hill Windfarm Repowering**  
Figure 6.30 - Viewpoint 3  
Edenmore Road, Limavady

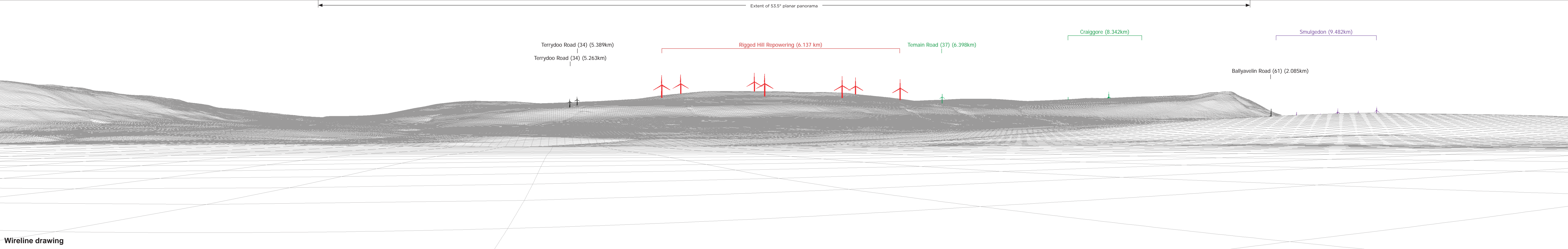
<b>Drawing Number:</b> 2607-LVIA-032	Datum TM65	Projection TM
Scale @ A3 1:25,000	Drawing produced by <b>Optimised Environments Ltd.</b>	

UAPS-EE-050909 REV 001





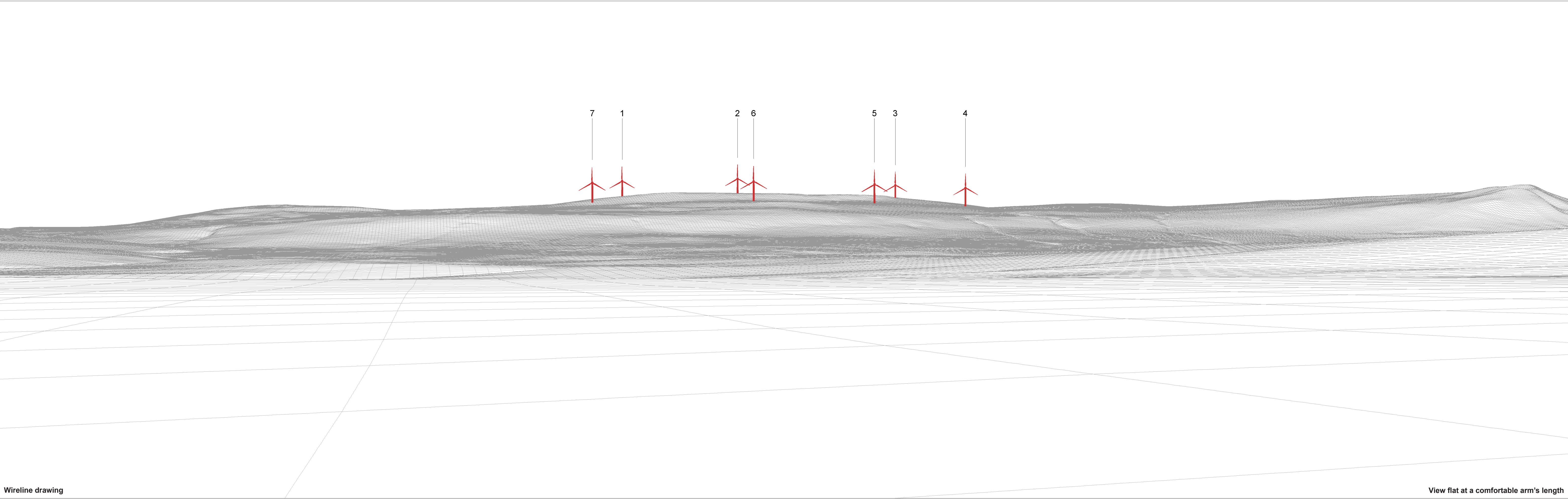




OS reference:	268900 E 421597 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D	Note: The Terrydoo Road turbines have been added to the baseline view.
Eye level:	34.62 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)	
Direction of view:	103°			Camera height:	1.5 m AGL	
Nearest turbine:	6.137 km			Date and time:	20/06/17, 15:47	

Figure: 6.30c  
Viewpoint 3: Edenmore Road, Limavady





Wireline drawing

View flat at a comfortable arm's length





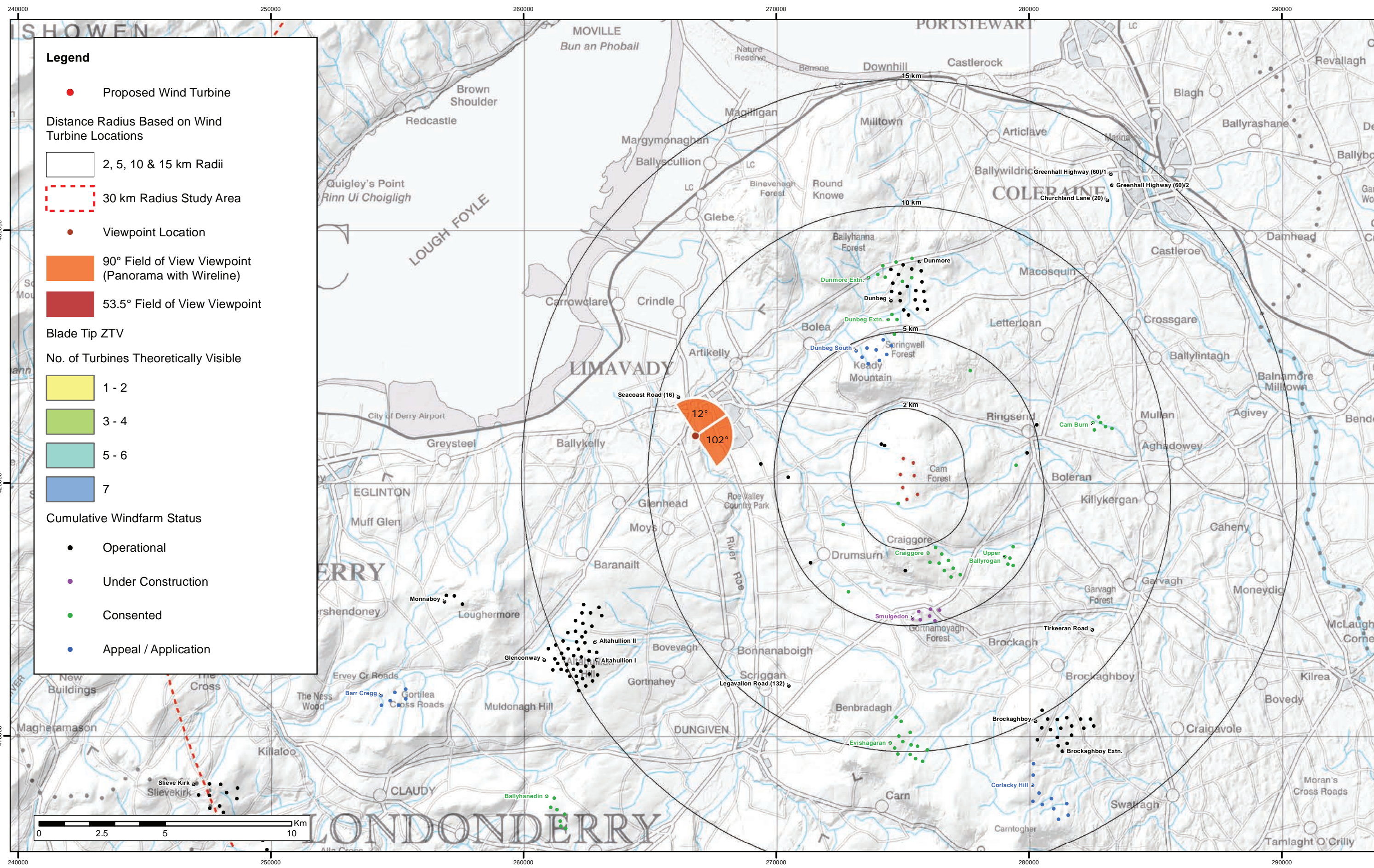
Photomontage

View flat at a comfortable arm's length

OS reference:	268900 E 421597 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 6D
Eye level:	34.62 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	103°	Paper size:	841 x 297 mm	Camera height:	1.5 m AGL
Nearest turbine:	6.137 km	Correct printed image size:	820 x 260 mm	Date and time:	20/06/17, 15:47

Figure: 6.30e  
Viewpoint 3: Edenmore Road, Limavady

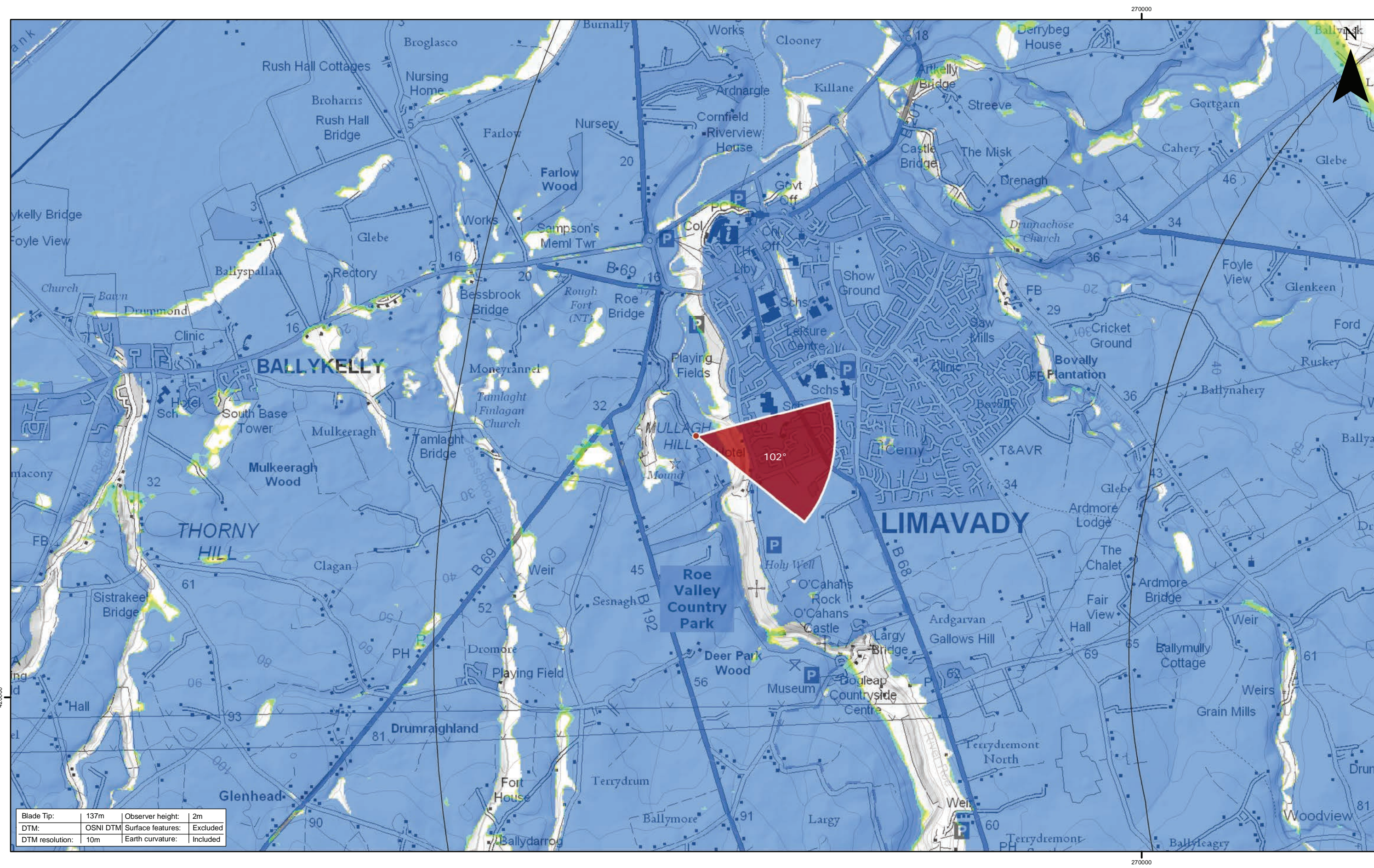





**Note:**

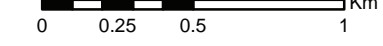
1. **ZTV:** Created using ESRI ArcGIS 10.6 software using the following data and parameters:  
Blade tip height: 137m  
DTM Data: OSNI 10m DTM  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction have been included in calculations.

2. **Cumulative Windfarms:** Single turbines in close proximity to the Development have not been labelled. Full 30km Study Area is not being shown on this figure.  
For full extent of 30km Study Area and assessed cumulative windfarms see Figure 6.12.





1	19/06/2019	JM	Second Issue.
0	25/03/2019	JM	First Issue.
Rev	Date	By	Comment



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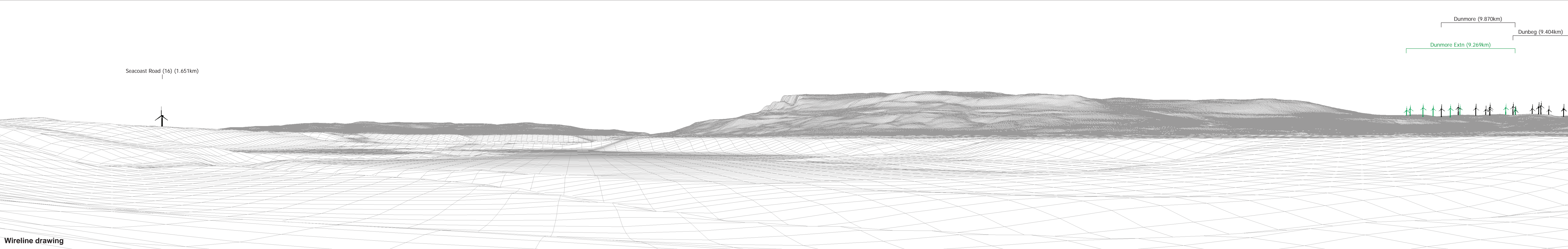
### Rigged Hill Windfarm Repowering

Figure 6.31 - Viewpoint 4  
Roe Park Resort driveway, Limavady

<b>Drawing Number:</b> 2607-LVIA-033	Datum TM65	Projection TM
Scale @ A3 1:25,000	Drawing produced by <b>Optimised Environments Ltd.</b>	

U:\P5-REG-050009 REV001

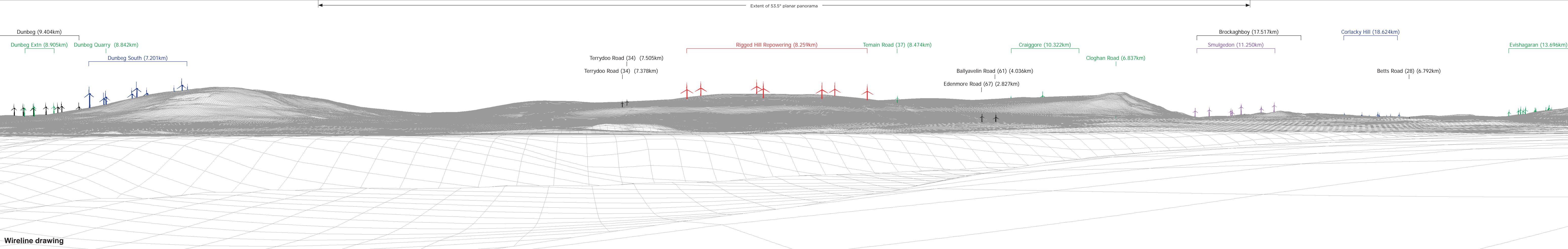




<b>OS reference:</b>	266793 E 421882 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 6D
<b>Eye level:</b>	22.05 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	12°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	8.259 km			<b>Date and time:</b>	30/04/18, 12:37

**Figure: 6.31b**  
**Viewpoint 4: Roe Park Resort driveway, Limavady**

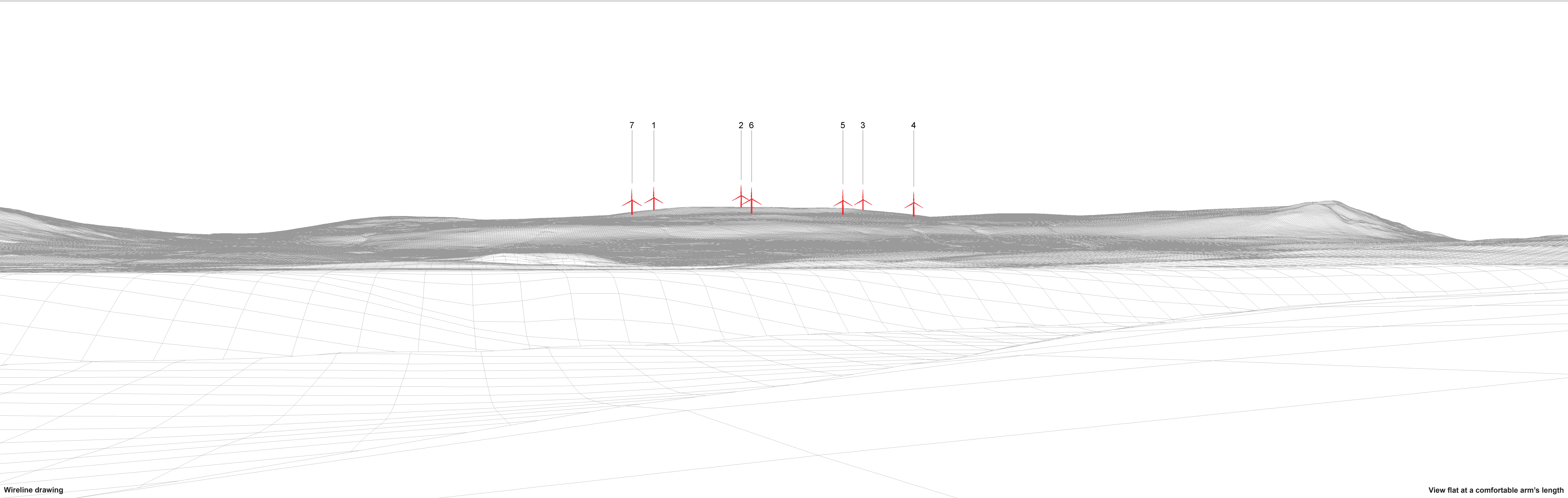




<b>OS reference:</b>	266793 E 421882 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 6D
<b>Eye level:</b>	22.05 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	102°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	8.259 km			<b>Date and time:</b>	30/04/18, 12:37

**Figure: 6.31c**  
**Viewpoint 4: Roe Park Resort driveway, Limavady**





Wireline drawing

View flat at a comfortable arm's length

OS reference:	266793 E 421882 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 6D
Eye level:	22.05 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	102°	Paper size:	841 x 297 mm	Camera height:	1.5 m AGL
Nearest turbine:	8.259 km	Correct printed image size:	820 x 260 mm	Date and time:	30/04/18, 12:37

Figure: 6.31d  
Viewpoint 4: Roe Park Resort driveway, Limavady





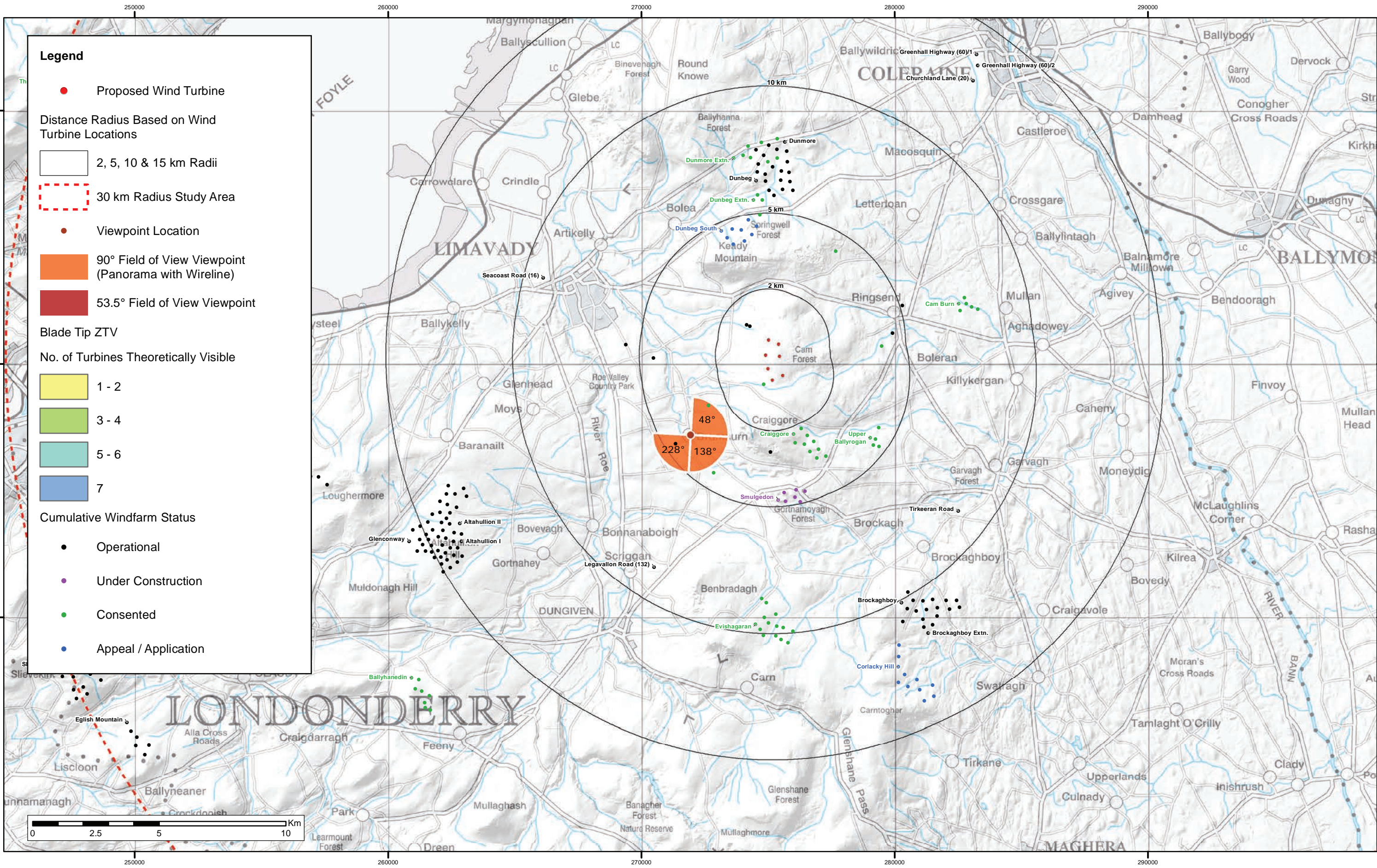
Photomontage

View flat at a comfortable arm's length

OS reference:	266793 E 421882 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 6D
Eye level:	22.05 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	102°	Paper size:	841 x 297 mm	Camera height:	1.5 m AGL
Nearest turbine:	8.259 km	Correct printed image size:	820 x 260 mm	Date and time:	30/04/18, 12:37

Figure: 6.31e  
Viewpoint 4: Roe Park Resort driveway, Limavady

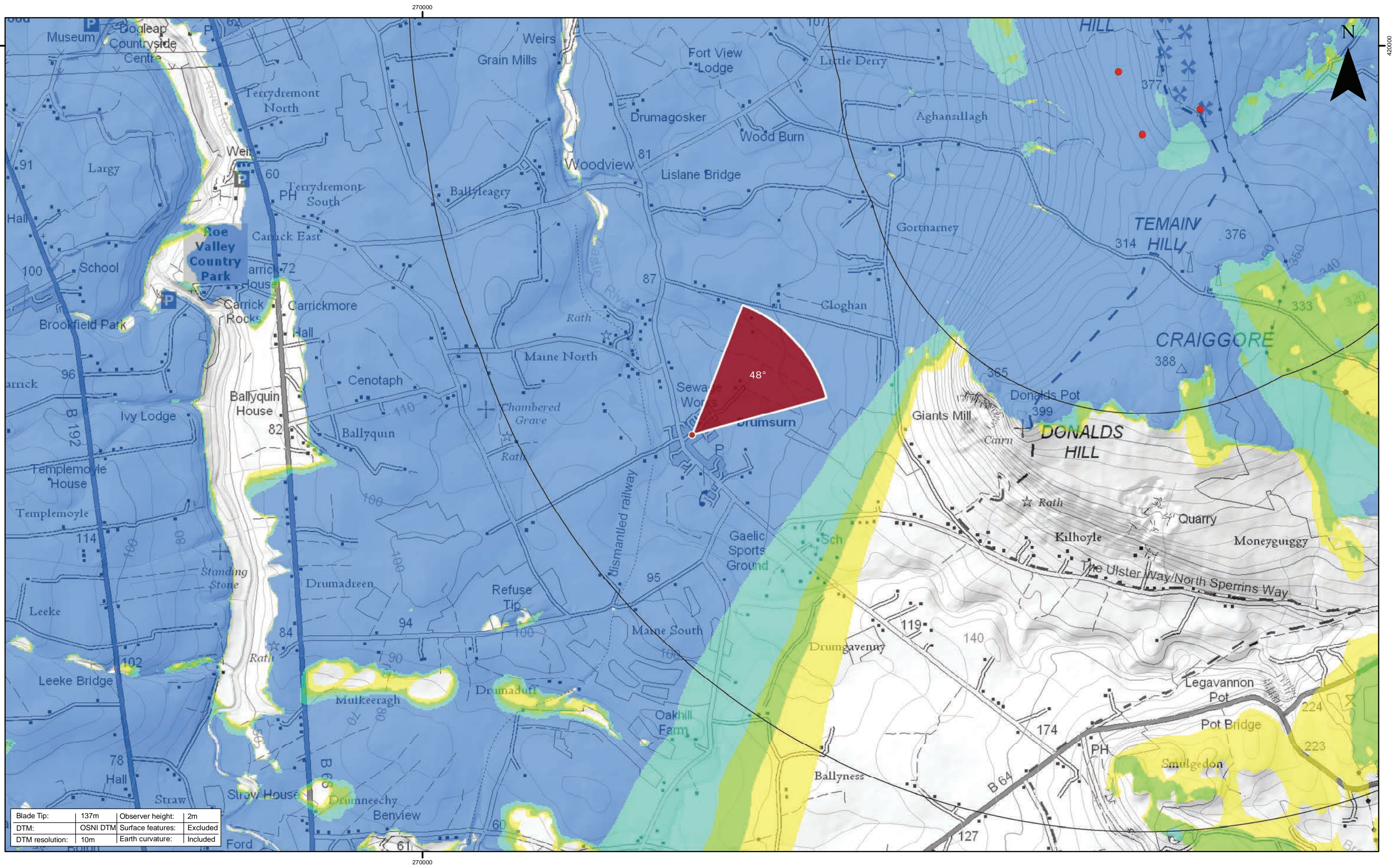





**Note:**

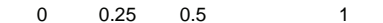
1. **ZTV:** Created using ESRI ArcGIS 10.6 software using the following data and parameters:  
Blade tip height: 137m  
DTM Data: OSNI 10m DTM  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction have been included in calculations.

2. **Cumulative Windfarms:** Single turbines in close proximity to the Development have not been labelled. Full 30km Study Area is not being shown on this figure. For full extent of 30km Study Area and assessed cumulative windfarms see Figure 6.12.





Rev	Date	By	Comment
1	19/06/2019	JM	Second Issue.
0	25/03/2019	JM	First Issue.

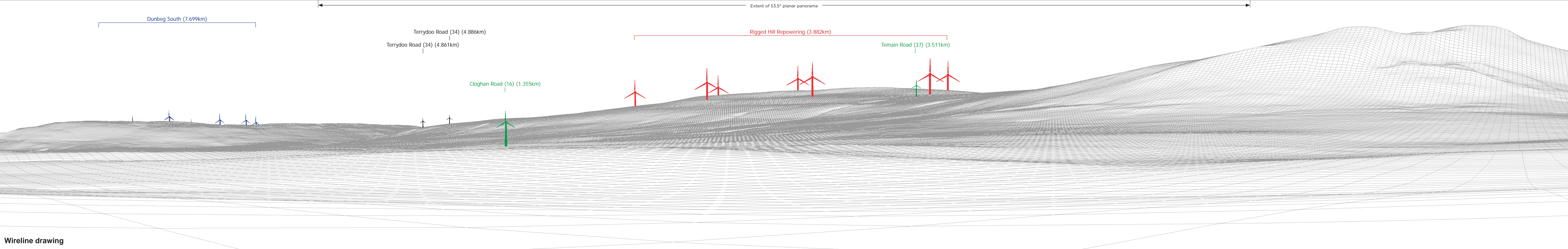


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**Rigged Hill Windfarm Repowering**  
Figure 6.32 - Viewpoint 5  
Drumsum, Beech Road

<b>Drawing Number:</b> 2607-LVIA-034	<b>Datum</b> TM65	<b>Projection</b> TM
<b>Scale @ A3</b> 1:25,000	<b>Drawing produced by</b> Optimised Environments Ltd.	





**OS reference:** 271934 E 417210 N  
**Eye level:** 90.91 m AOD  
**Direction of view:** 48°  
**Nearest turbine:** 3.882 km

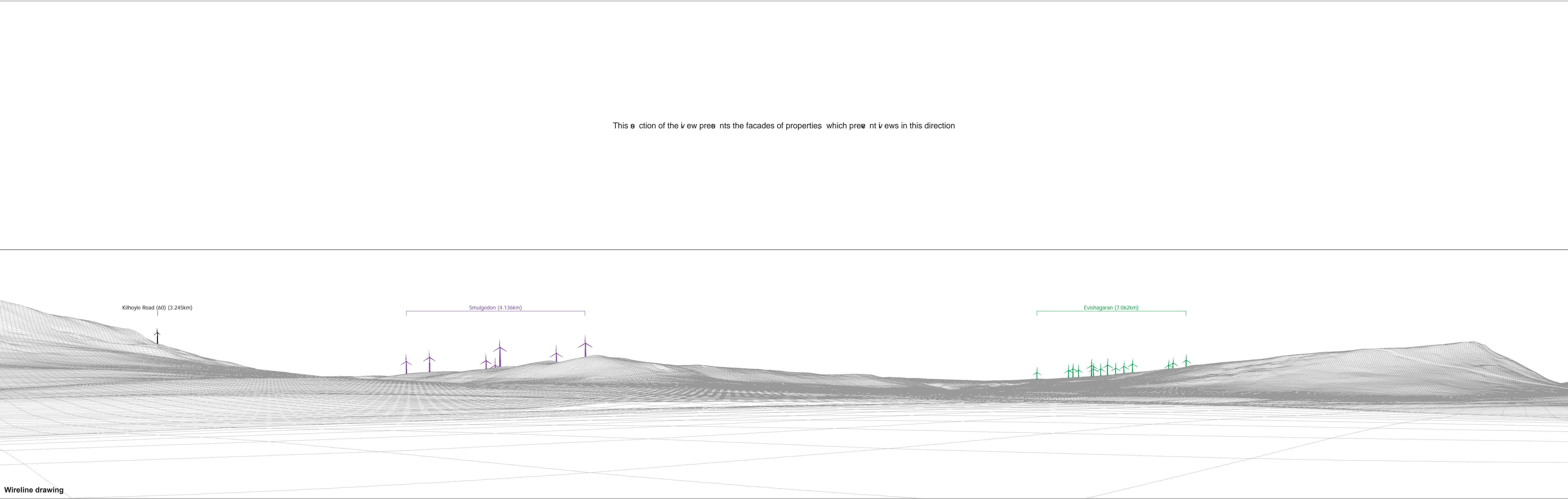
**Horizontal field of view:** 90° (cylindrical projection)  
**Principal distance:** 522 mm

**Camera:** Canon EOS 6D  
**Lens:** 50mm (Canon EF 50mm f/1.4)  
**Camera height:** 1.5 m AGL  
**Date and time:** 20/06/17, 14:13

**Note:** The Terrydoo Road turbines have been added to the baseline view.

**Figure: 6.32b**  
**Viewpoint 5: Drumsumn, Beech Road**



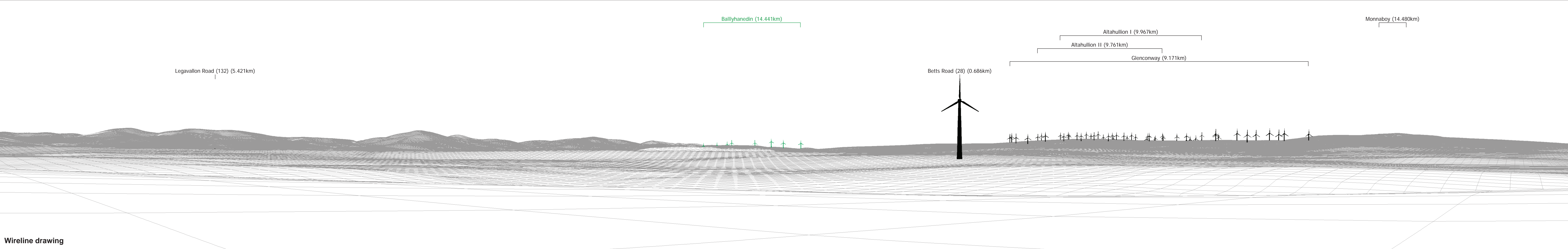






Baseline photograph

This image provides landscape and visual context only

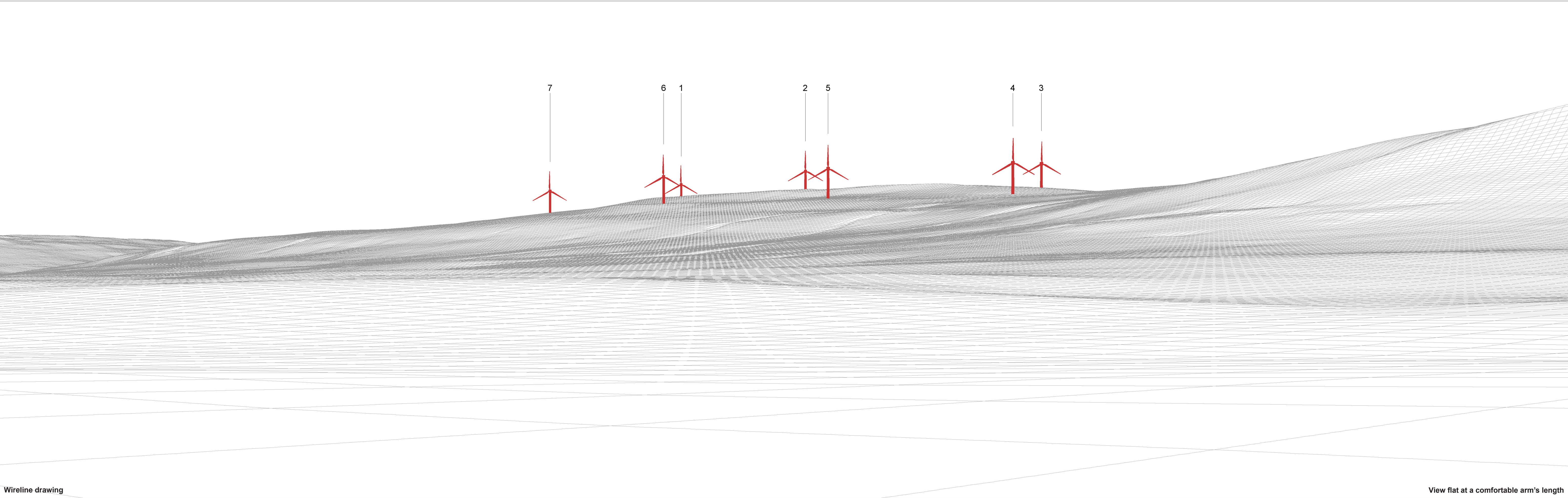


Wireline drawing

OS reference:	271934 E 417210 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	90.91 m AOD	Principal distance:	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	228°			Camera height:	1.5 m AGL
Nearest turbine:	3.882 km			Date and time:	20/06/17, 14:13

Figure: 6.32d  
Viewpoint 5: Drumsurn, Beech Road





Wireline drawing

View flat at a comfortable arm's length

OS reference: 271934 E 417210 N  
Eye level: 90.91 m AOD  
Direction of view: 48°  
Nearest turbine: 3.882 km

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

Camera: Canon EOS 6D  
Lens: 50mm (Canon EF 50mm f/1.4)  
Camera height: 1.5 m AGL  
Date and time: 20/06/17, 14:13

Figure: 6.32e  
Viewpoint 5: Drumsurn, Beech Road





Photomontage

View flat at a comfortable arm's length

OS reference: 271934 E 417210 N  
Eye level: 90.91 m AOD  
Direction of view: 48°  
Nearest turbine: 3.882 km

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

Camera: Canon EOS 6D  
Lens: 50mm (Canon EF 50mm f/1.4)  
Camera height: 1.5 m AGL  
Date and time: 20/06/17, 14:13

Figure: 6.32f  
Viewpoint 5: Drumsurn, Beech Road