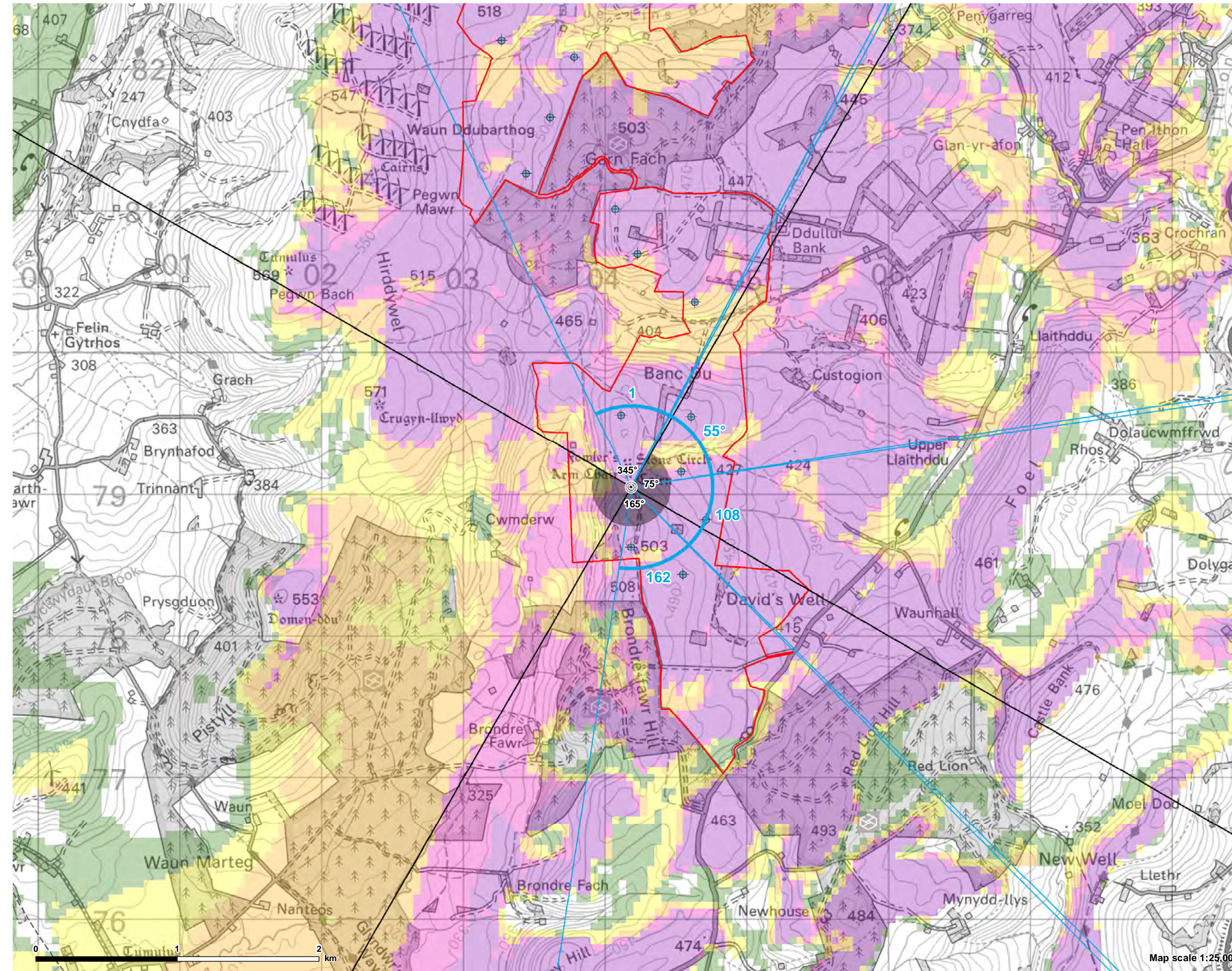


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CB:XX EB:Packham_B LUC SHH_Template_Double_A3L_DDP 17/05/2021 Source:

Garn Fach Wind Farm LVIA



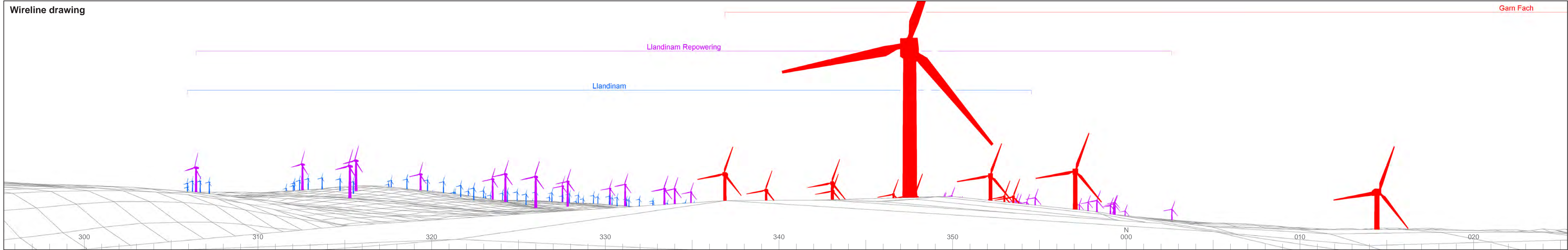
Figure 6-21a: VP1 Fowler's Arm Chair

- Turbine location
 - Site boundary
 - Viewpoint
 - 5km intervals from outermost turbines
 - 45km from outermost turbines
- Zone of Theoretical Visibility**
- 1-4 Turbines are visible
 - 5-8 Turbines are visible
 - 9-12 Turbines are visible
 - 13-15 Turbines are visible
 - 16-17 Turbines are visible
- 53.5° Field of View
 - 90° Field of View

Note
The ZTV is calculated to turbine tip height (149.9m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019).

Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.5.1 software.





OS reference: 304183E 279051N
 AOD: 477.643043 m
 Direction of view: 345°
 Nearest turbine: 0.4 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5m

Photography Date: 04/11/2020
 Photography Time: 14.30pm

Wind Farm Developments key
 (by status):

Proposed scheme (red)
 Operational (blue)
 Under construction (purple)
 Consented Application (yellow)
 Appeal/PLI (orange)

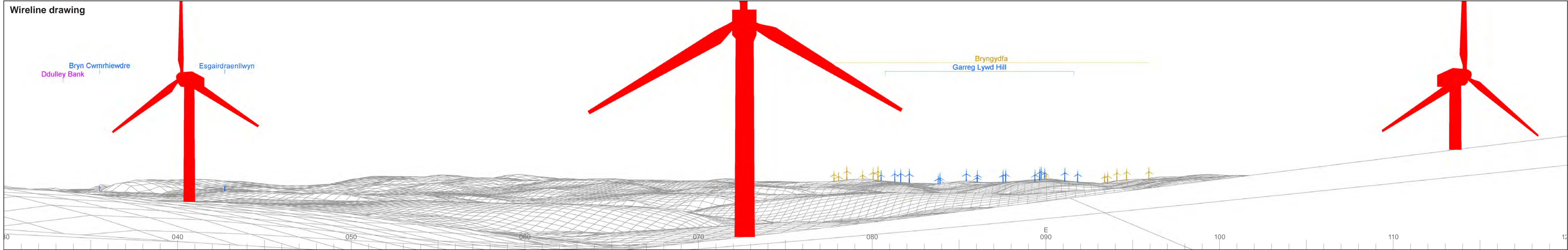
Garn Fach
Figure: 6-21b
 Viewpoint 1: Fowler's Arm Chair

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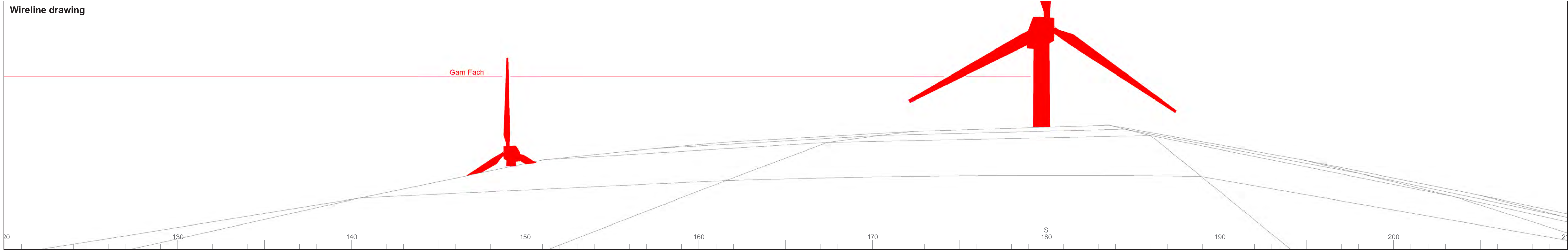
Baseline photograph

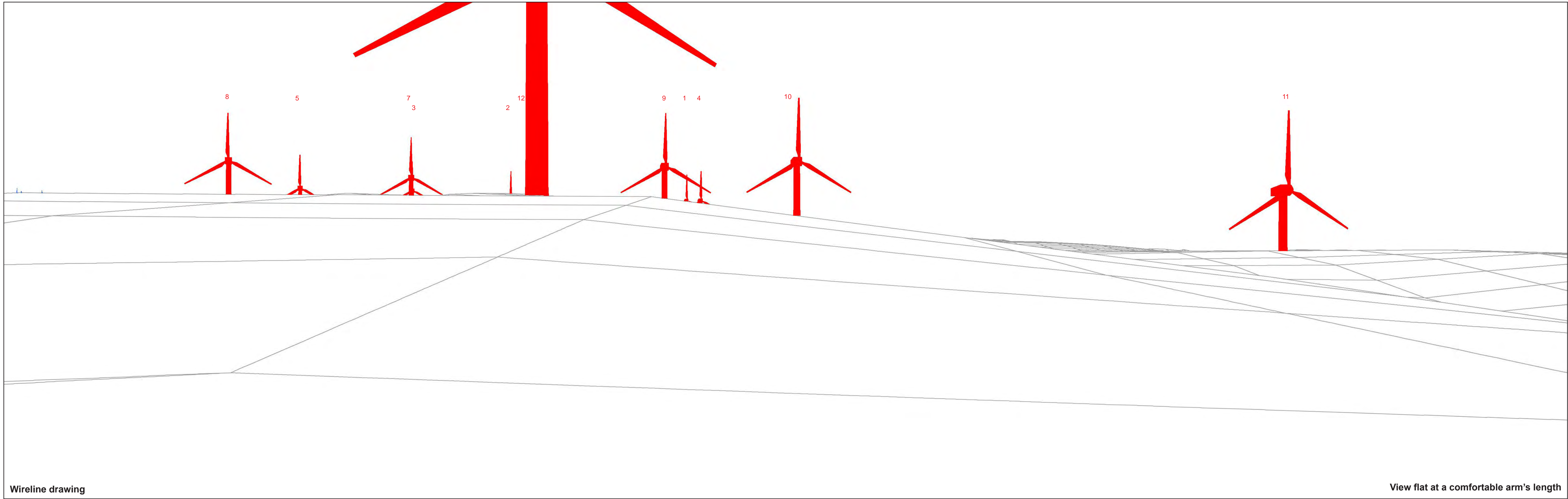
This image provides landscape and visual context only



Wireline drawing

Garn Fach
Figure: 6-21c
 Viewpoint 1: Fowler's Arm Chair





Wireline drawing

View flat at a comfortable arm's length



OS reference: 304183E 279051N
 AOD: 477m
 Direction of view: 1.25°
 Nearest turbine: 0.4 km

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

Wind Farm Developments key (by status): Proposed scheme Operational

Garn Fach
 Figure: 6-21e
 Viewpoint 1: Fowler's Arm Chair

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Photomontage

View flat at a comfortable arm's length



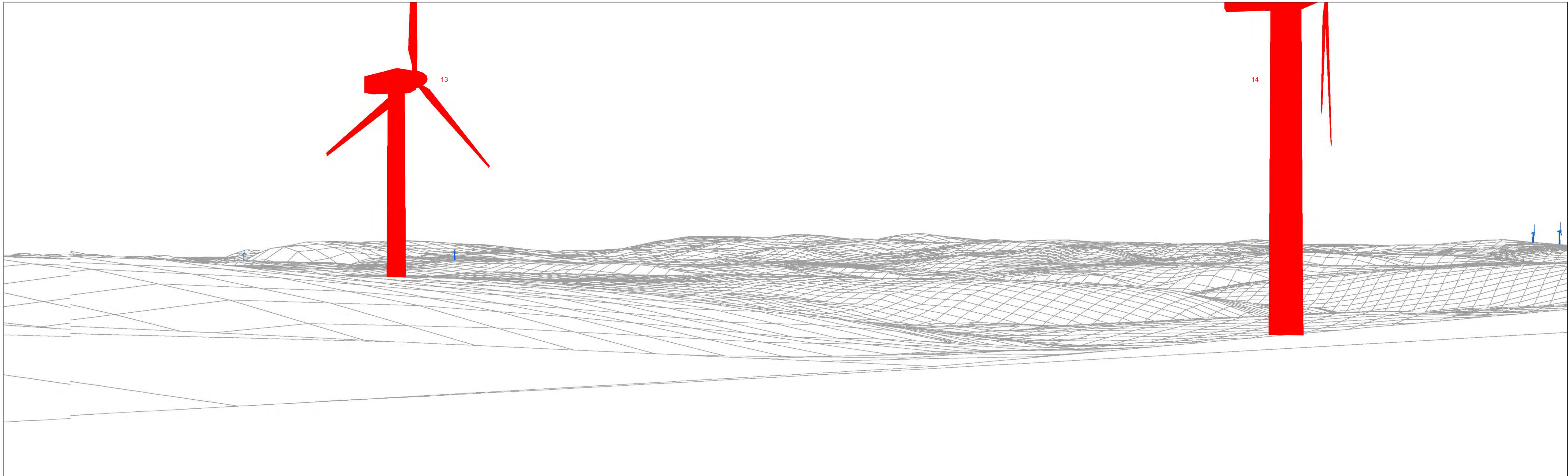
OS reference: 304183E 279051N
AOD: 477m
Direction of view: 1.25°
Nearest turbine: 0.4 km

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

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5m

Photography Date: 04/11/2020
Photography Time: 14.30pm

Garn Fach
Figure: 6-21f
Viewpoint 1: Fowler's Arm Chair



Wireline drawing

View flat at a comfortable arm's length



OS reference: 304183E 279051N
 AOD: 477m
 Direction of view: 54.75°
 Nearest turbine: 0.4 km

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

Wind Farm Developments key
 (by status): Proposed scheme Operational

Garn Fach
 Figure: 6-21g
 Viewpoint 1: Fowler's Arm Chair

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Photomontage

View flat at a comfortable arm's length



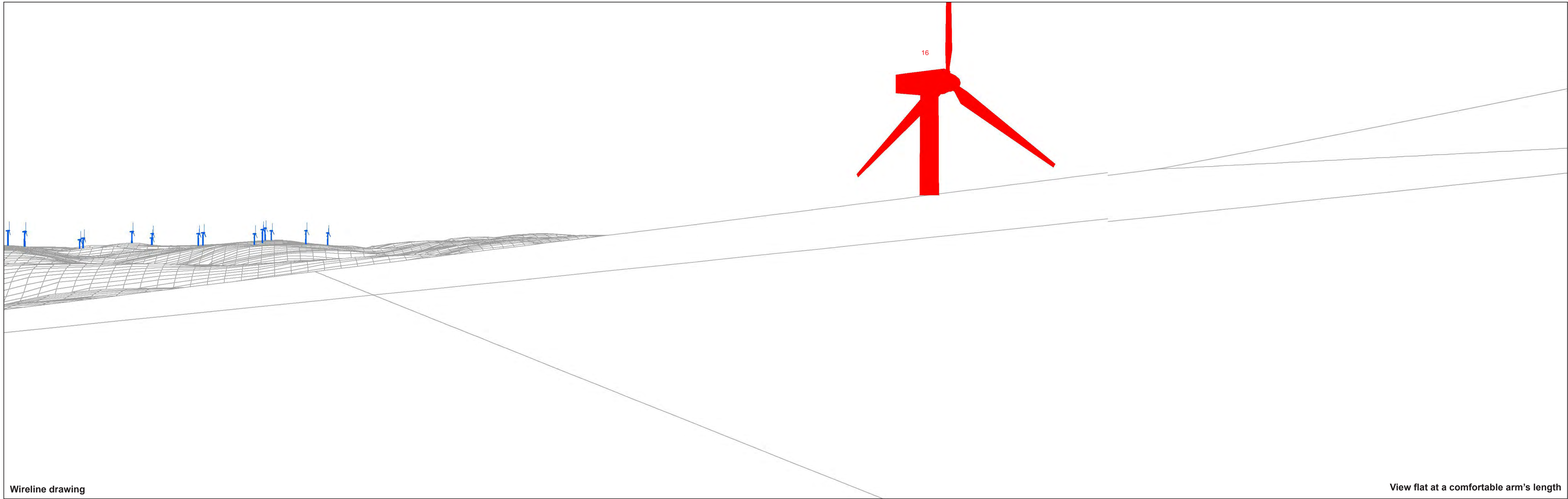
OS reference: 304183E 279051N
AOD: 477m
Direction of view: 108.25°
Nearest turbine: 0.4 km

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

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5m

Photography Date: 04/11/2020
Photography Time: 14.30pm

Garn Fach
Figure: 6-21h
Viewpoint 1: Fowler's Arm Chair



Wireline drawing

View flat at a comfortable arm's length



OS reference: 304183E 279051N
 AOD: 477m
 Direction of view: 108.25°
 Nearest turbine: 0.4 km

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

Wind Farm Developments key (by status): Proposed scheme Operational

Garn Fach
 Figure: 6-21i
 Viewpoint 1: Fowler's Arm Chair

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Photomontage

View flat at a comfortable arm's length



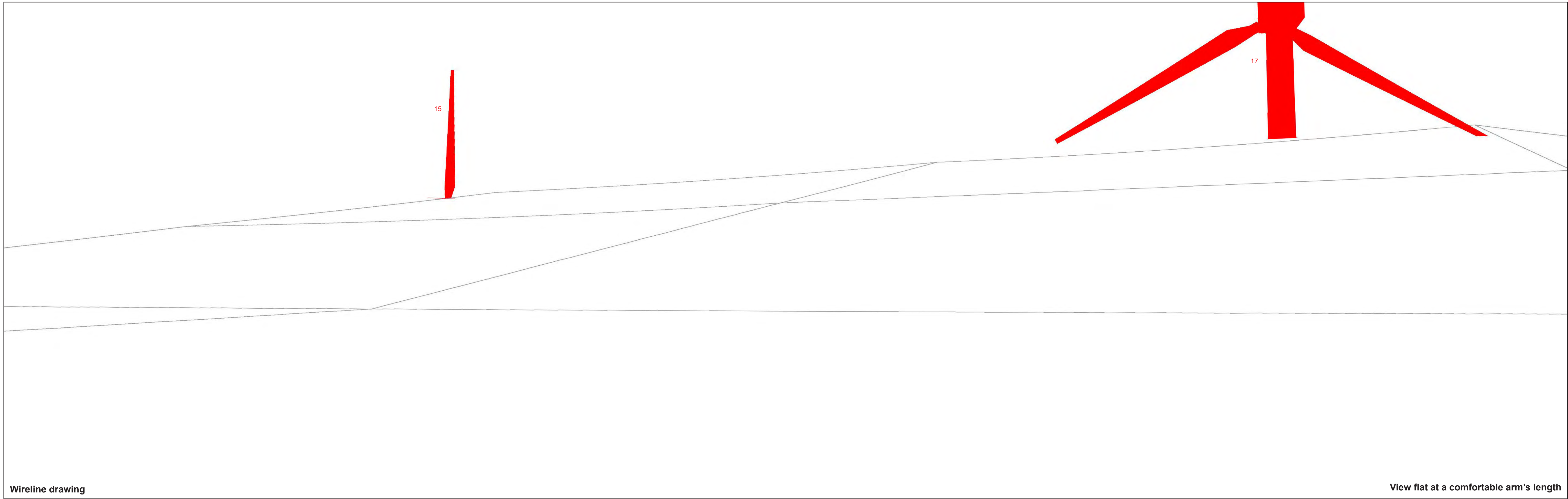
OS reference: 304183E 279051N
AOD: 477m
Direction of view: 108.25°
Nearest turbine: 0.4 km

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

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5m

Photography Date: 04/11/2020
Photography Time: 14.30pm

Garn Fach
Figure: 6-21j
Viewpoint 1: Fowler's Arm Chair



Wireline drawing

View flat at a comfortable arm's length



OS reference: 304183E 279051N
 AOD: 477m
 Direction of view: 161.75°
 Nearest turbine: 0.4 km

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

Wind Farm Developments key (by status): Proposed scheme Operational

Garn Fach
 Figure: 6-21k
 Viewpoint 1: Fowler's Arm Chair

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Photomontage

View flat at a comfortable arm's length



OS reference: 304183E 279051N
AOD: 477m
Direction of view: 161.75°
Nearest turbine: 0.4 km

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

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5m

Photography Date: 04/11/2020
Photography Time: 14.30pm

Garn Fach
Figure: 6-211
Viewpoint 1: Fowler's Arm Chair

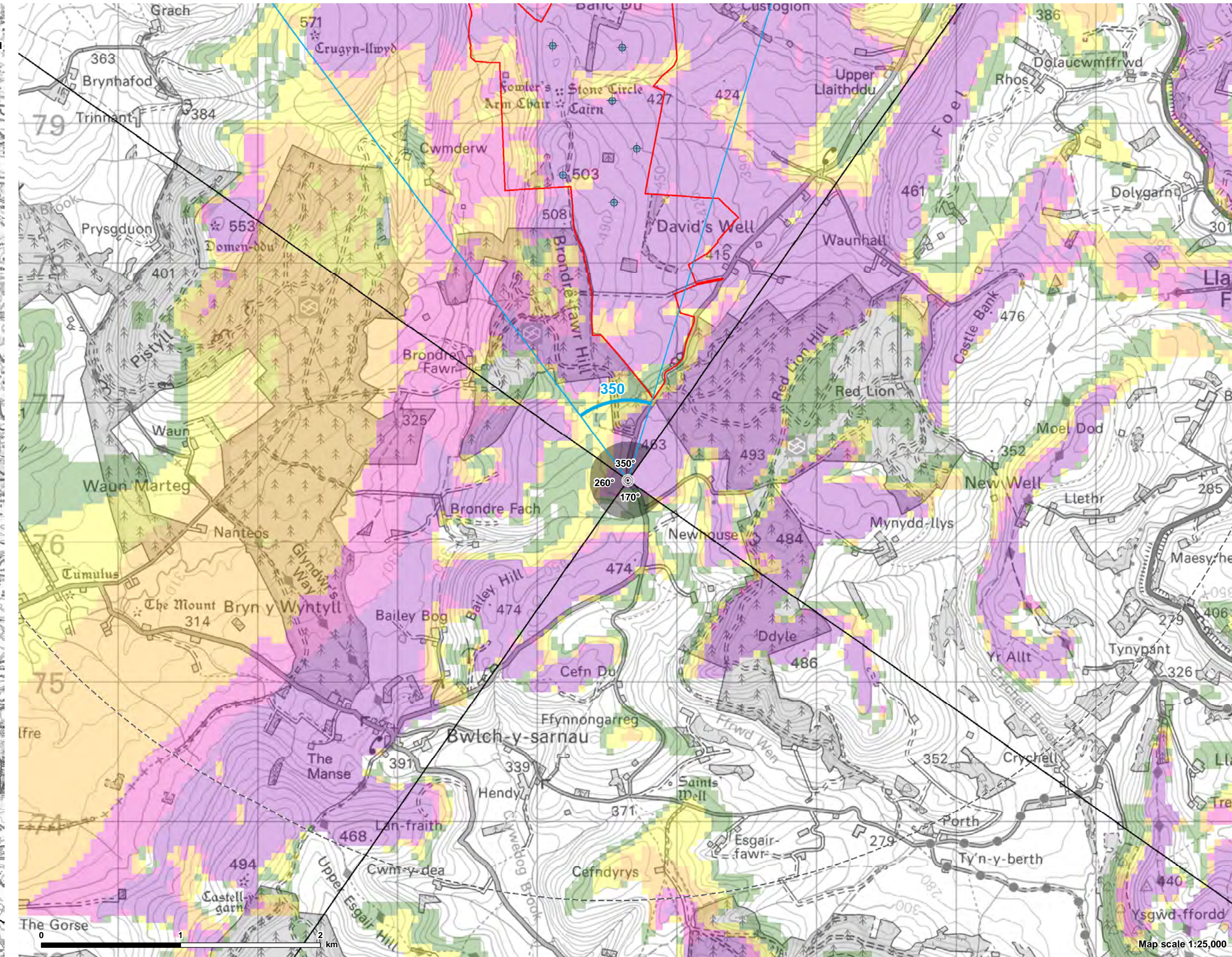














Figure: 6-22a: VP2
Minor Road near Bwlch-y-Sarnau Hill

-  Turbine location
 -  Site boundary
 -  Viewpoint
 -  5km intervals from outermost turbines
 -  45km intervals from outermost turbines
- Zone of Theoretical Visibility**
-  1-4 Turbines are visible
 -  5-8 Turbines are visible
 -  9-12 Turbines are visible
 -  13-15 Turbines are visible
 -  16-17 Turbines are visible
-  53.5° Field of View
 -  90° Field of View

Note
The ZTV is calculated to turbine tip height (149.9m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019).

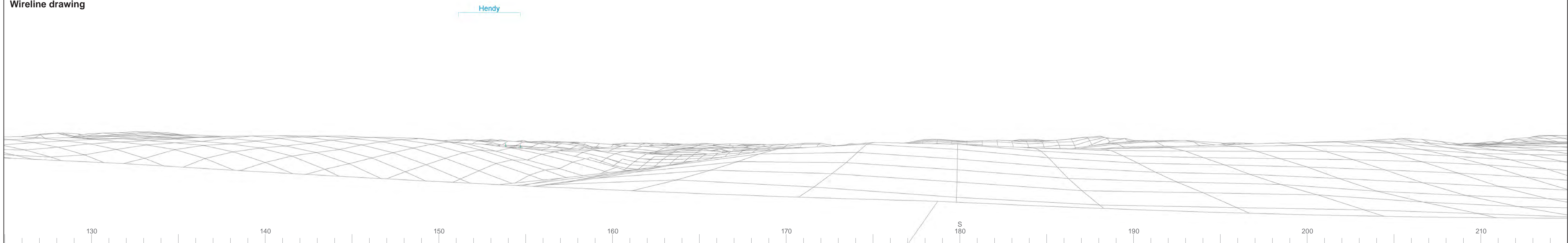
Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.5.1 software.



Baseline photograph

This image provides landscape and visual context only

Wireline drawing



OS reference: 304649E 276446N
 AOD: 471m
 Direction of view: 170°
 Nearest turbine: 2 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5m

Photography Date: 17/05/2018
 Photography Time: 12.32pm

Wind Farm Developments key
 (by status):

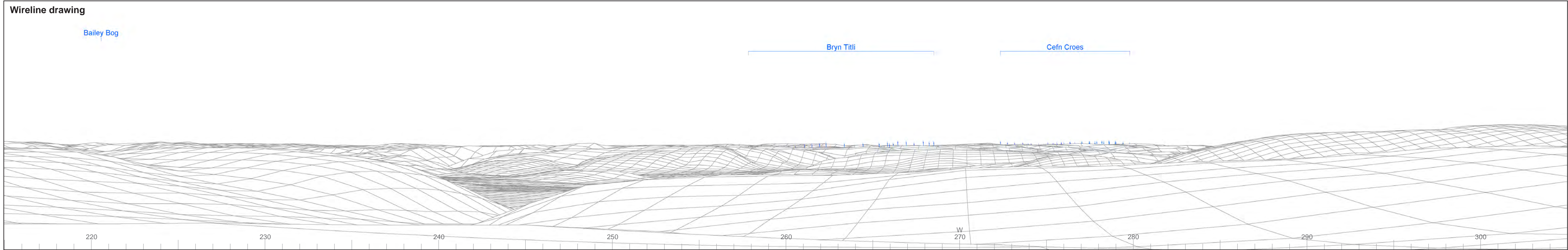
Proposed scheme
 Operational
 Under construction
 Consented
 Application
 Appeal/PLI

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Baseline photograph

This image provides landscape and visual context only



OS reference: 304649E 276446N
 AOD: 471 m
 Direction of view: 260°
 Nearest turbine: 2 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5m

Photography Date: 17/05/2018
 Photography Time: 12.32pm

Wind Farm Developments key
 (by status):

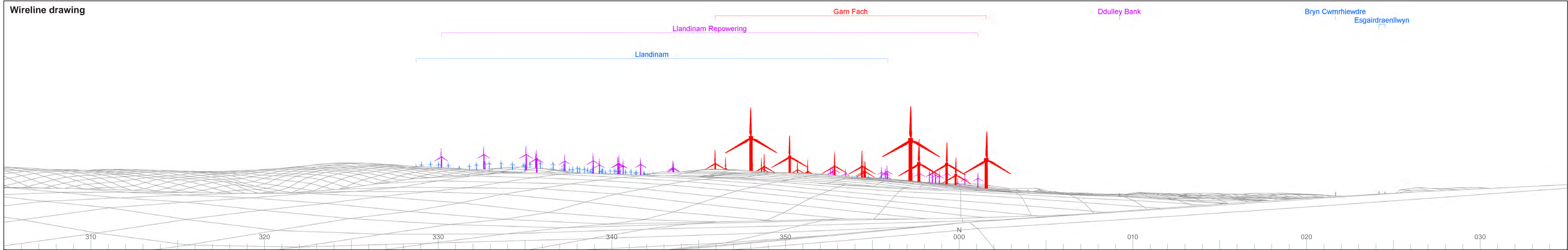
Proposed scheme
 Operational
 Under construction
 Consented
 Application
 Appeal/PLI

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Baseline photograph

This image provides landscape and visual context only



Wireline drawing

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OS reference: 304649E 276446N
 AOD: 471 m
 Direction of view: 350°
 Nearest turbine: 2 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5m

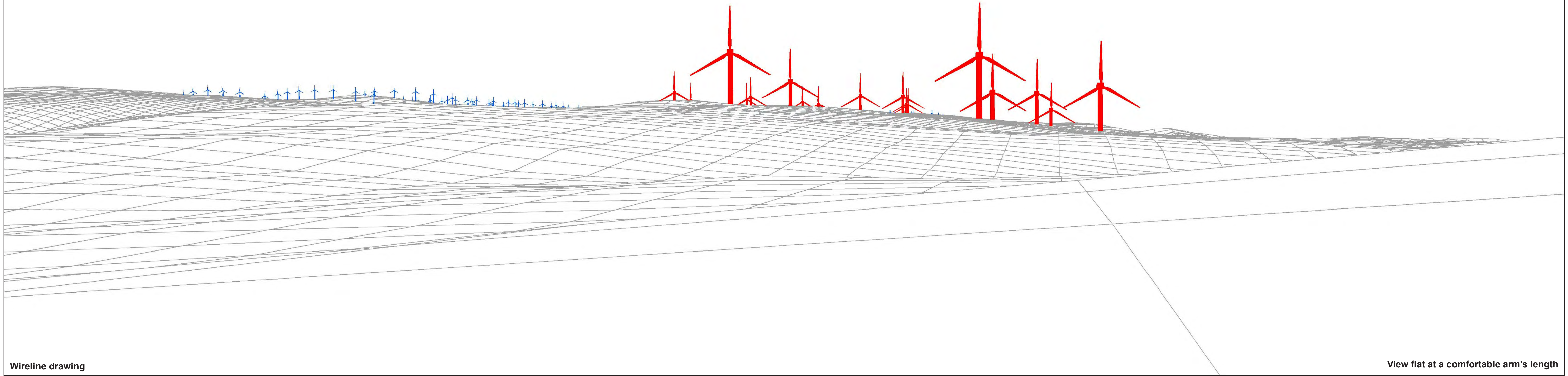
Photography Date: 17/05/2018
 Photography Time: 12.32pm

Wind Farm Developments key
 (by status):

Proposed scheme (red)
 Operational (blue)
 Under construction (purple)
 Consented Application (yellow)
 Appeal/PLI (orange)

Garn Fach
Figure: 6-22d
 Viewpoint 2: Minor Road near Bwlch-y-Sarnau Hill

8 5 15 3 7 12 2 6 9 10 1 4 17 14 13 11 16



Wireline drawing

View flat at a comfortable arm's length



OS reference: 304649E 276446N
 AOD: 471 m
 Direction of view: 350°
 Nearest turbine: 2 km

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

Wind Farm Developments key (by status): Proposed scheme Operational

Garn Fach
 Figure: 6-22e
 Viewpoint 2: Minor Road near Bwlch-y-Sarnau Hill

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Photomontage

View flat at a comfortable arm's length



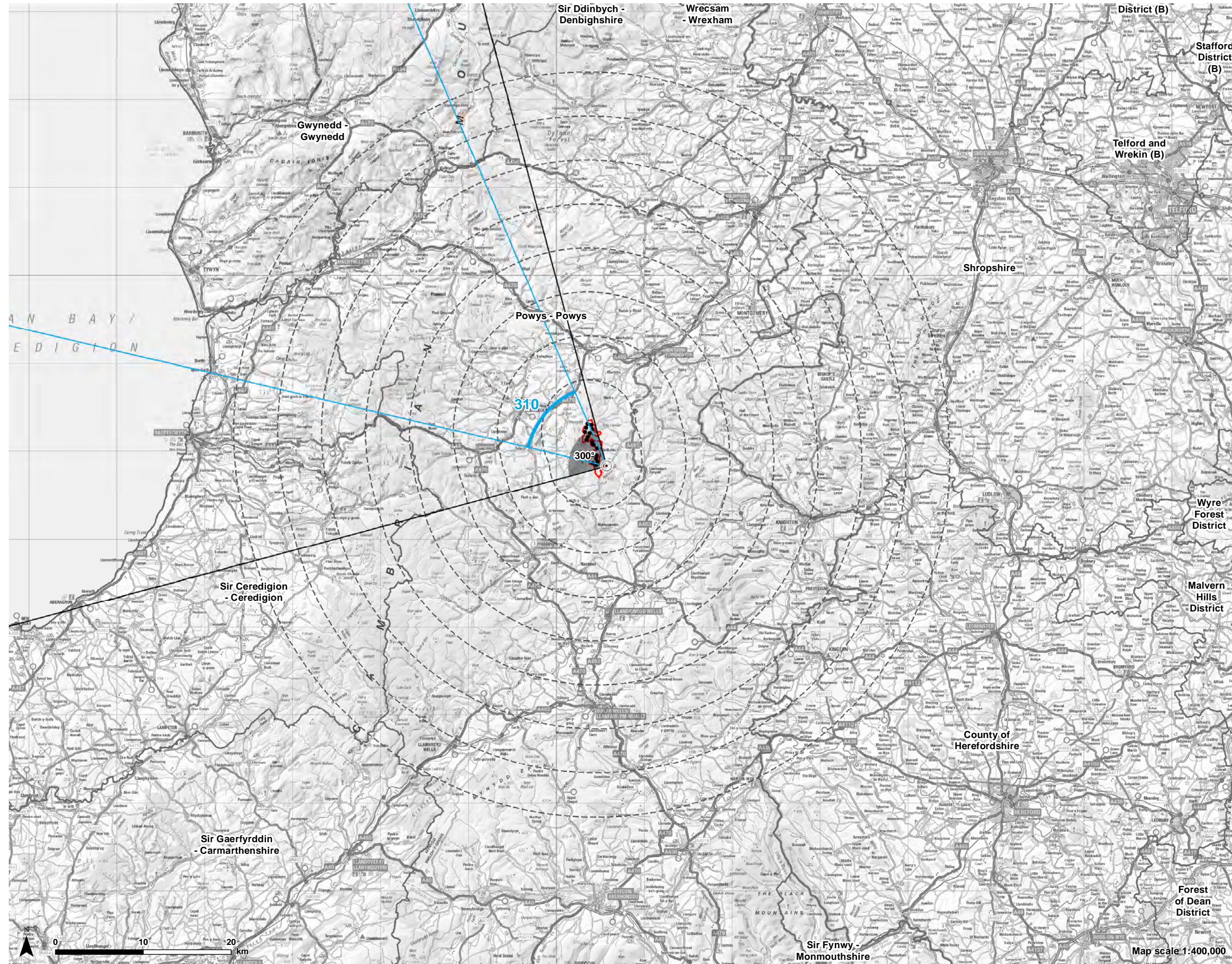
OS reference: 304649E 276446N
AOD: 471 m
Direction of view: 350°
Nearest turbine: 2 km

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

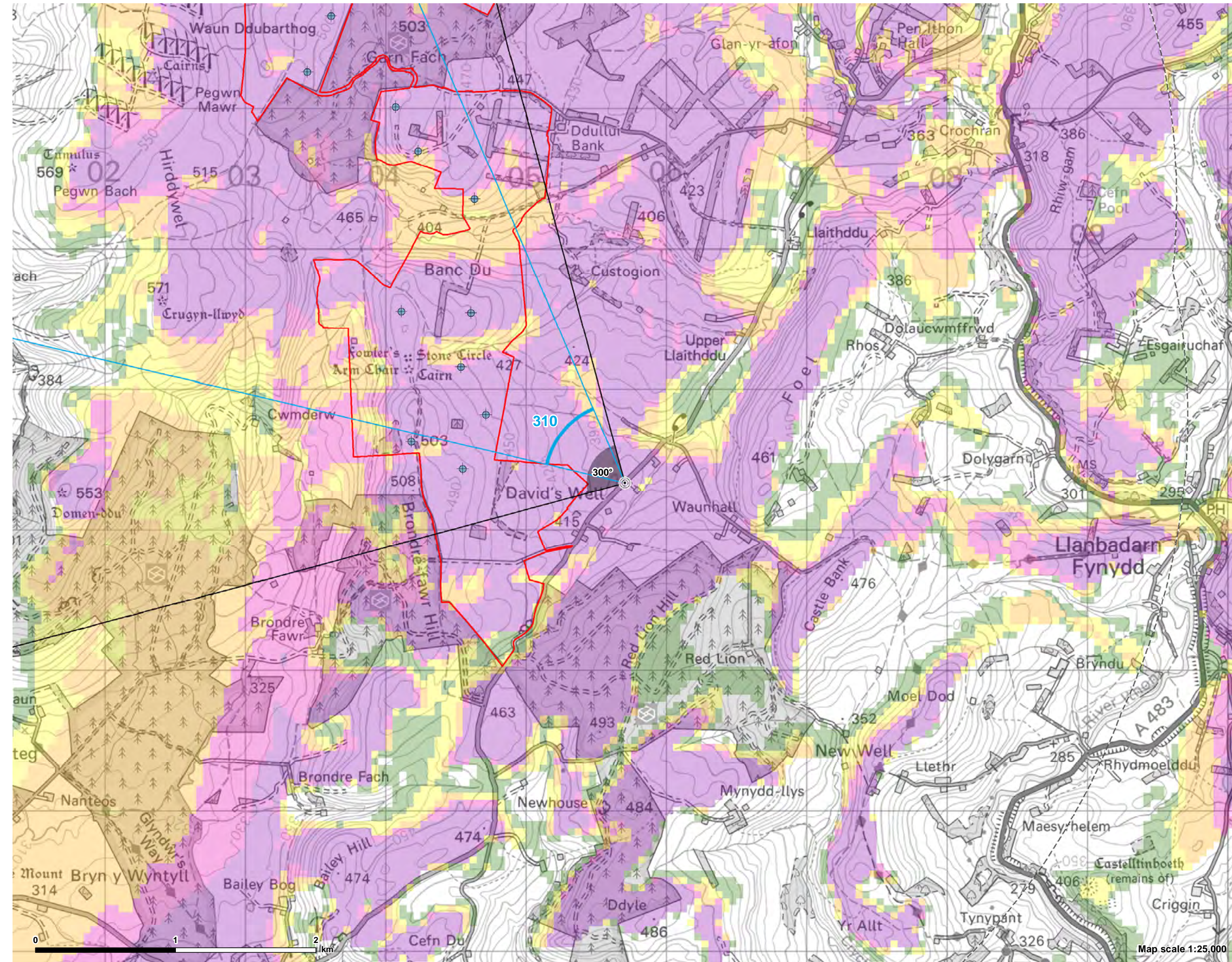
Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5m

Photography Date: 17/05/2018
Photography Time: 12.32pm

Garn Fach
Figure: 6-22f
Viewpoint 2: Minor Road near Bwlch-y-Sarnau Hill



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CB:XX EB:Packham_B LUC:SNH_Template_Double_A3L_DDP 17/05/2021 Source:

Garm Fach Wind Farm LVIA



Figure 6-23a: VP3
Minor Road at David's Well

- Turbine location
 - Site boundary
 - Viewpoint
 - 5km intervals from outermost turbines
 - 45km from outermost turbines
- Zone of Theoretical Visibility**
- 1-4 Turbines are visible
 - 5-8 Turbines are visible
 - 9-12 Turbines are visible
 - 13-15 Turbines are visible
 - 16-17 Turbines are visible
- 53.5° Field of View
 - 90° Field of View

Note
The ZTV is calculated to turbine tip height (149.9m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019).

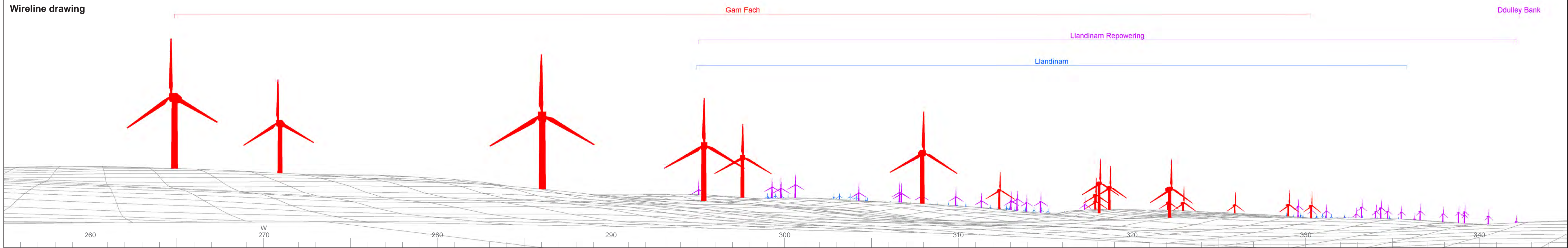
Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.5.1 software.





Baseline photograph

This image provides landscape and visual context only



Wireline drawing

Garn Fach

Ddulley Bank

Llandinam Repowering

Llandinam

OS reference: 305704E 278337N
 AOD: 396m
 Direction of view: 300°
 Nearest turbine: 1.1 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5m

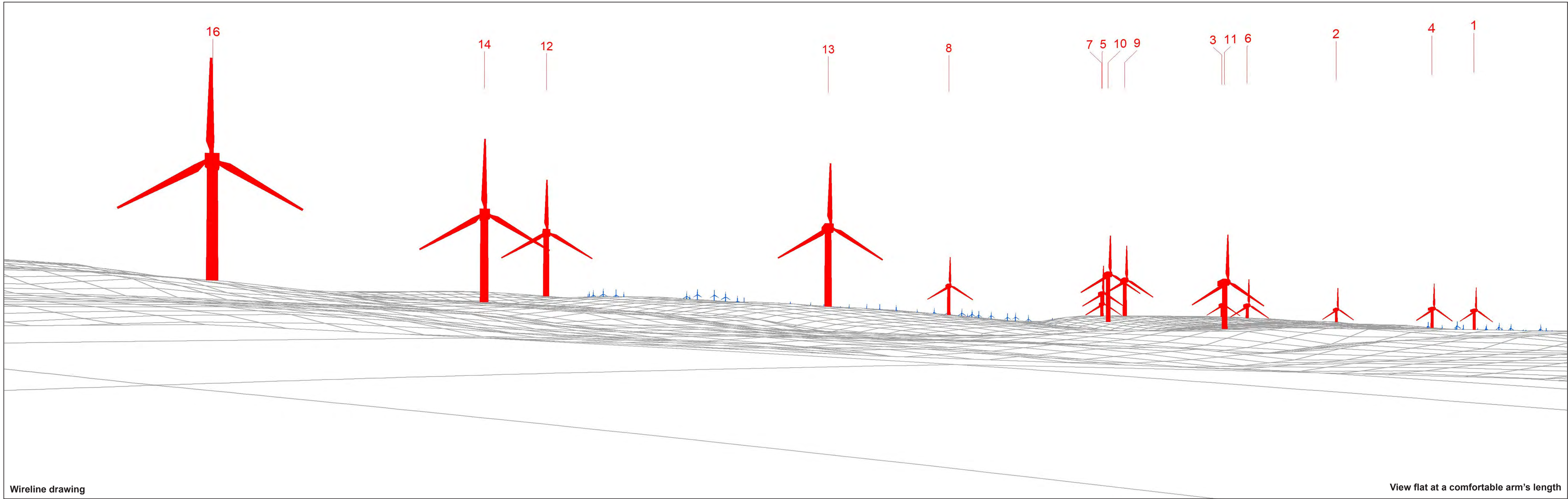
Photography Date: 17/05/2018
 Photography Time: 12.18pm

Wind Farm Developments key (by status):
 Proposed scheme (red)
 Operational (purple)
 Under construction (blue)
 Consented Application (yellow)
 Appeal/PLI (orange)



Garn Fach
 Figure: 6-23b
 Viewpoint 3: Minor Road at David's Well

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OS reference: 305704E 278337N
 AOD: 396m
 Direction of view: 310°
 Nearest turbine: 1.1 km

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

Wind Farm Developments key (by status): Proposed scheme Operational

Garn Fach
 Figure: 6-23c
 Viewpoint 3: Minor Road at David's Well



Photomontage

View flat at a comfortable arm's length



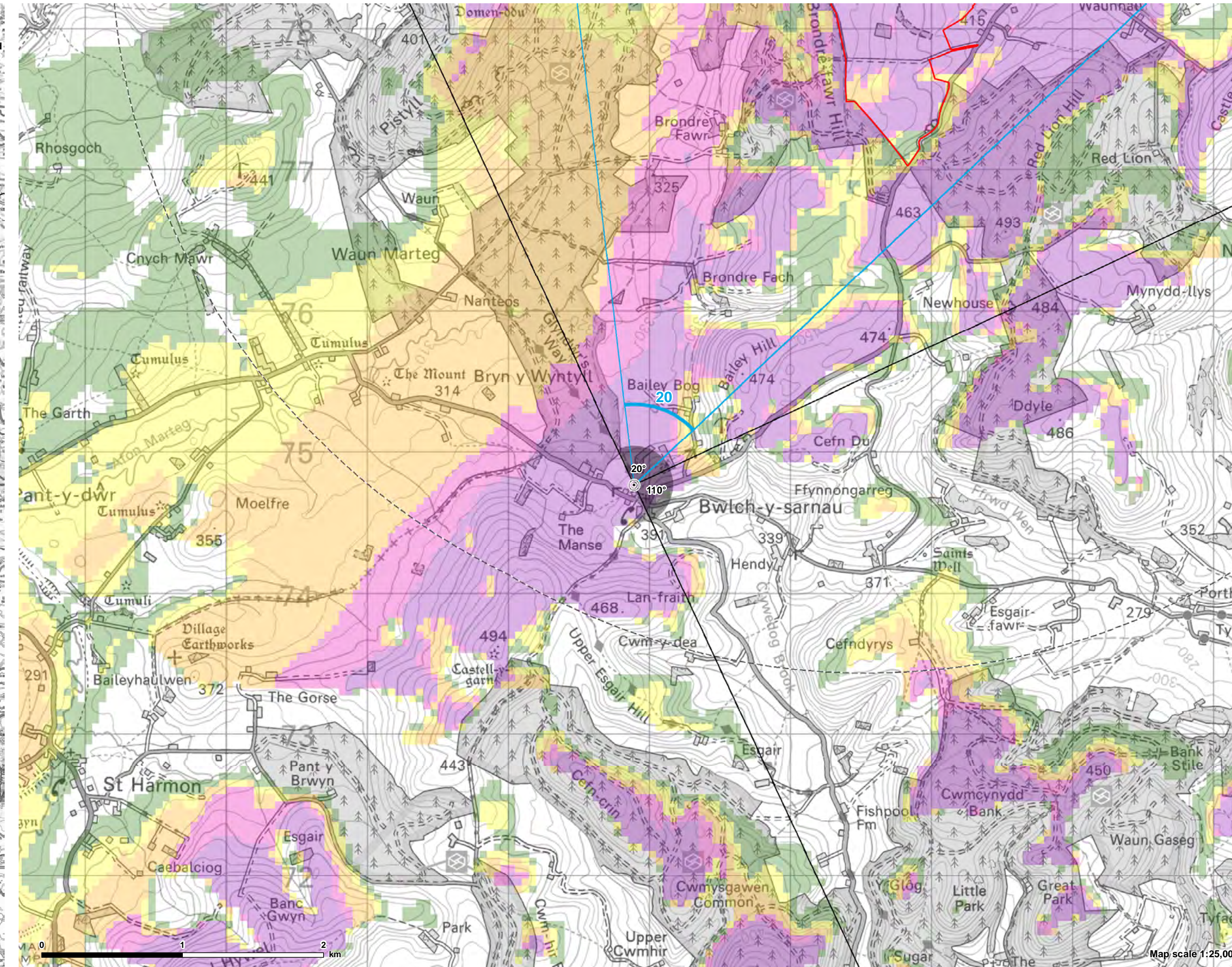
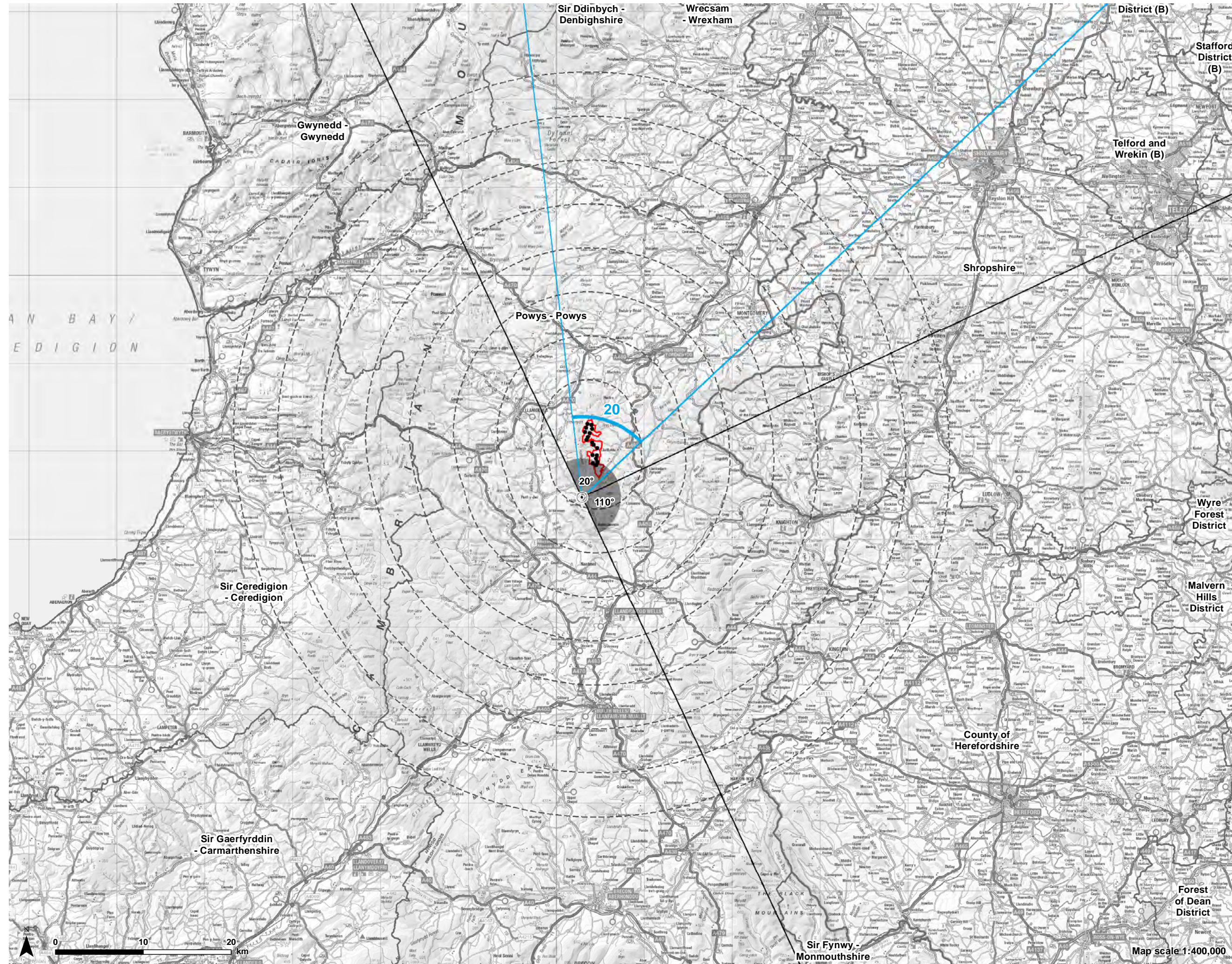
OS reference: 305704E 278337N
AOD: 396.344887 m
Direction of view: 310°
Nearest turbine: 1.1 km

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

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: m

Photography Date: 17/05/2018
Photography Time: 12.18pm

Garn Fach
Figure: 6-23d
Viewpoint 3: Minor Road at David's Well



Garn Fach Wind Farm LVIA

Figure 6-24a: VP4
Glyndŵr's Way, south of Bwlch-y-Sarnau

- Turbine location
- Site boundary
- Viewpoint
- 5km intervals from outermost turbines
- 45km from outermost turbines

Zone of Theoretical Visibility

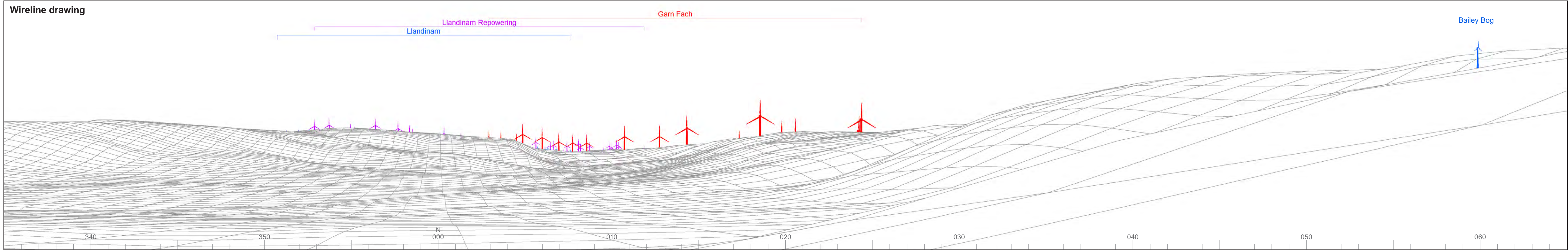
- 1-4 Turbines are visible
- 5-8 Turbines are visible
- 9-12 Turbines are visible
- 13-15 Turbines are visible
- 16-17 Turbines are visible

- 53.5° Field of View
- 90° Field of View

Note
The ZTV is calculated to turbine tip height (149.9m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019).

Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.5.1 software.

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CB:XX EB:Packham_B LUC:SNH_Template_Double_A3L_DDP 17/05/2021



OS reference: 302891E 274766N
 AOD: 371m
 Direction of view: 20°
 Nearest turbine: 4 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5m

Photography Date: 17/05/2018
 Photography Time: 12.59pm

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Under construction
 Consented
 Application
 Appeal/PLI

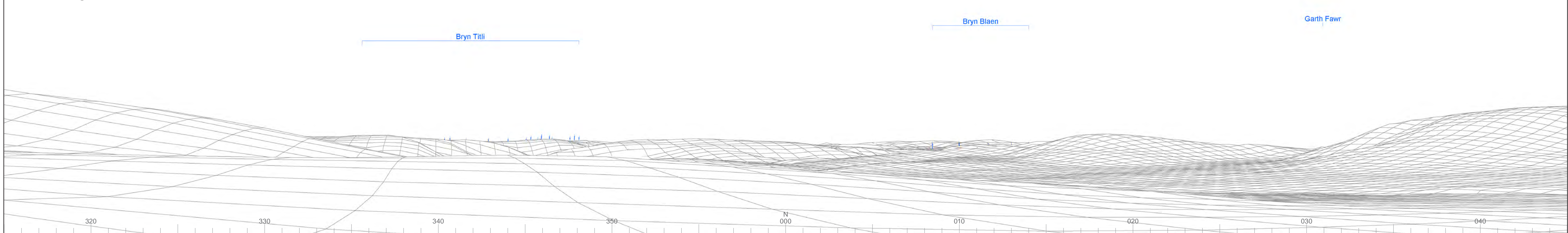
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Baseline photograph

This image provides landscape and visual context only

Wireline drawing



OS reference: 302891E 274766N
 AOD: 371 m
 Direction of view: 110°
 Nearest turbine: 4 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5m

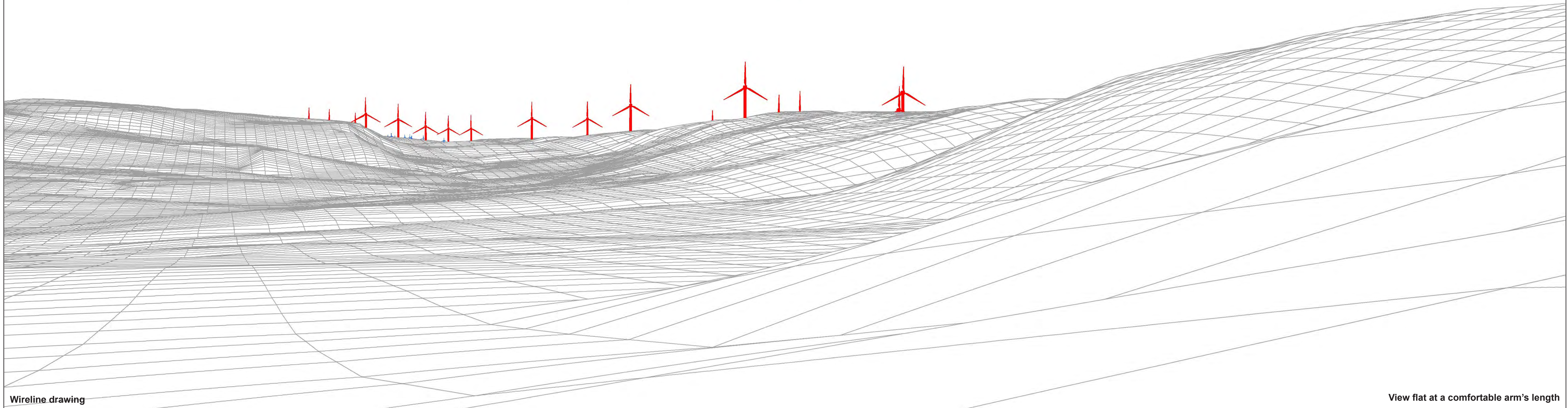
Photography Date: 17/05/2018
 Photography Time: 12.59pm

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Under construction
 Consented
 Application
 Appeal/PLI

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5 3 2 8 7 6 1 4 9 10 12 11 15 13 14 16 17



Wireline drawing

View flat at a comfortable arm's length



OS reference: 302891E 274766N
 AOD: 371m
 Direction of view: 20°
 Nearest turbine: 4 km

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

Wind Farm Developments key (by status): Proposed scheme Operational

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Photomontage

View flat at a comfortable arm's length



OS reference: 302891E 274766N
AOD: 371m
Direction of view: 20°
Nearest turbine: 4 km

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

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5m

Photography Date: 17/05/2018
Photography Time: 12.59pm

Garn Fach
Figure: 6-24e
Viewpoint 4: Glyndŵr's Way, Bwlch-y-Sarnau