



WEST ANDERSHAW WIND FARM

PREDICTED VIEWS

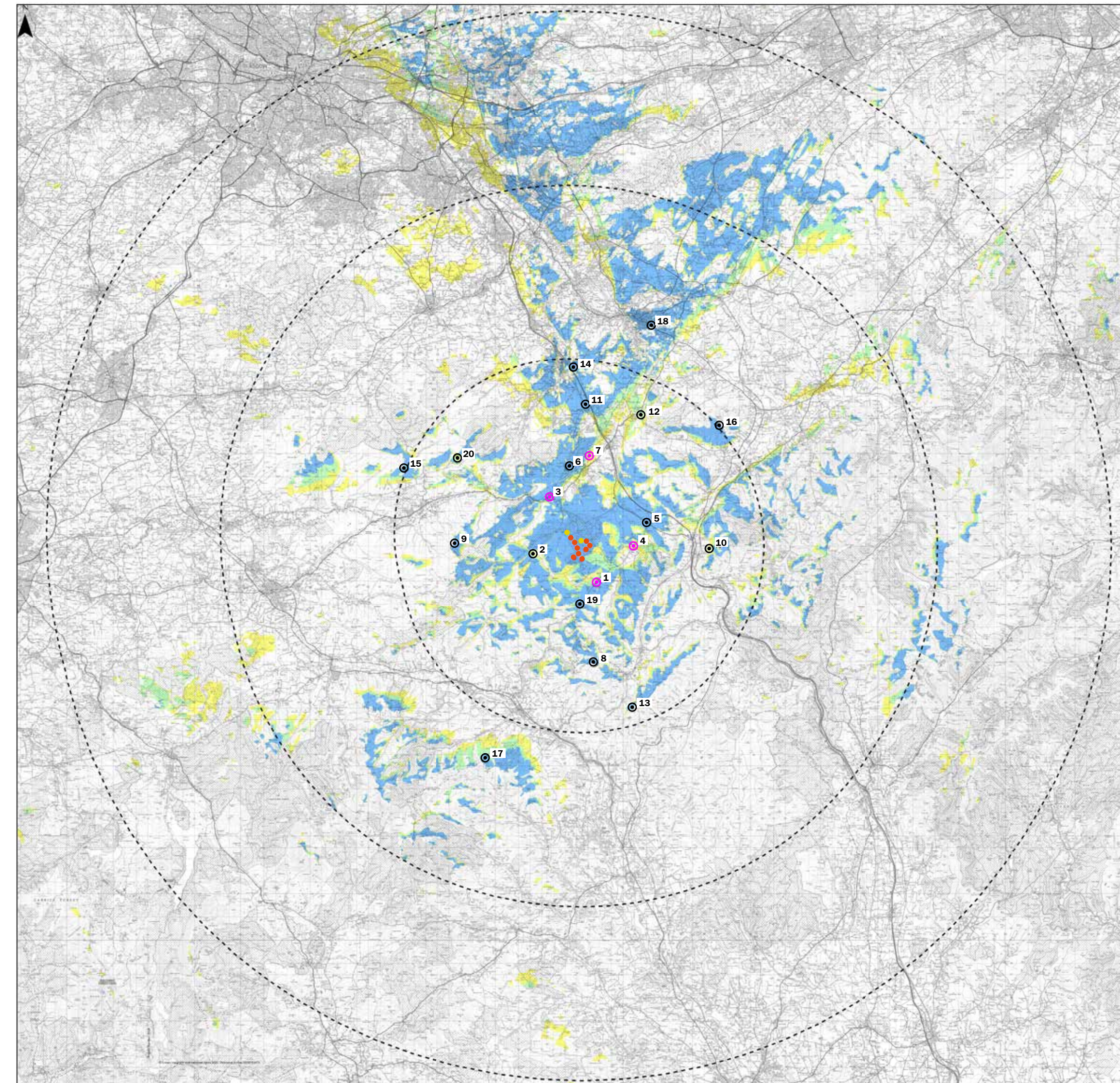
21 September - 14 October 2022



The viewpoints have been agreed with South Lanarkshire Council and NatureScot to ensure the most suitable locations are selected to illustrate the effects of the wind farm.

All of the agreed locations are presented on the figure opposite. Visualisations for all eighteen viewpoints will be available as part of our application when submitted. You will be able to view these on our project website and the Energy Consent Unit website.

As part of this exhibition we are providing four visualisations to demonstrate how the proposed wind farm would look at its maximum size of 9 turbines at 250m to blade tip height and 2 turbines 200m to blade tip height.



- Key**
- Proposed turbines 250 to tip height
 - Proposed turbines 200 to tip height
 - Distance Radii from Outermost Turbine (15, 30, 45km)
- Zone of Theoretical Visibility to Blade Tip (250m/200m)**
- 1 - 4 turbines may be visible
 - 5 - 8 turbines may be visible
 - 9 - 11 turbines may be visible
- Predicted Viewpoints included in brochure:**
- 1 B740 South of Site
 - 3 Glespin
 - 4 Crawfordjohn
 - 7 Douglas Castle
- Other Predicted Viewpoint Locations**
- 2 Upper Duneaton Water Valley
 - 5 B7078 East of Site
 - 6 Douglas West
 - 8 Southern Upland Way near Glengaber Hill
 - 9 Cairn Table
 - 10 Arbory Hill
 - 11 B7078 near Cairnhouses
 - 12 A70 east of Rigside
 - 13 East Mount Lowther
 - 14 Brocketsbrae
 - 15 Middlefield Law
 - 16 Tinto
 - 17 Southern Upland Way near Whing Head
 - 18 Lanark
 - 19 B740 nr Spango
 - 20 Covenanters Monument - Priesthill

Notes:
 This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.
 The areas shown are the maximum theoretical visibility, taking topography into account.
 This visibility map is based on a 'bare earth' model of the landscape and does not show any effects of screening from obstacles such as buildings and vegetation.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 50m resolution.

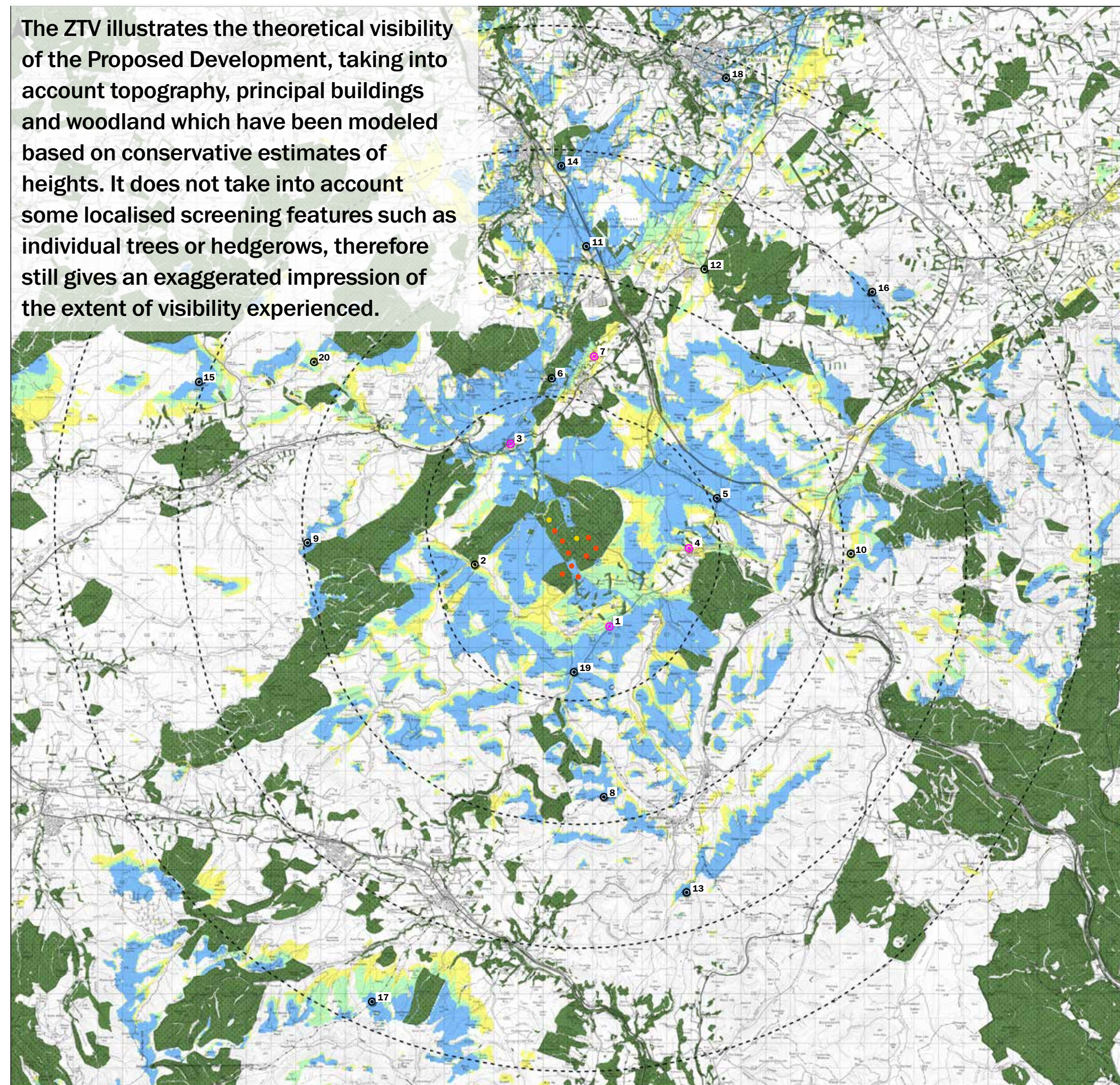
Predicted Views

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Zone of Theoretical Visibility (ZTV) - taking into account topography, principal buildings and woodland



Key

- Proposed turbines 250 to tip height
- Proposed turbines 200 to tip height
- Distance Radii from Outermost Turbine (5, 10, 15, 20km)
- Woodland (modelled at 15m)

Zone of Theoretical Visibility to Blade Tip (250m/200m)

- 1 - 4 turbines may be visible
- 5 - 8 turbines may be visible
- 9 - 11 turbines may be visible

Predicted Viewpoints included in brochure:

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NOTES:
 This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.
 The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings.
 A digital surface model (DSM) has been derived from OS Terrain 50 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7m and woodland an assumed height of 15m, representing a conservative estimate of average heights within the study area.
 The model does not take into account some localised features such as small copses, hedgerows or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 50m resolution.

Viewpoint 1: B740 South of Site

PREDICTED VIEW



Photomontage showing proposed submission layout -
9 turbines @ 250m to blade tip height,
2 turbines @ 200m to blade tip height.

Viewpoint 1: B740 South of Site

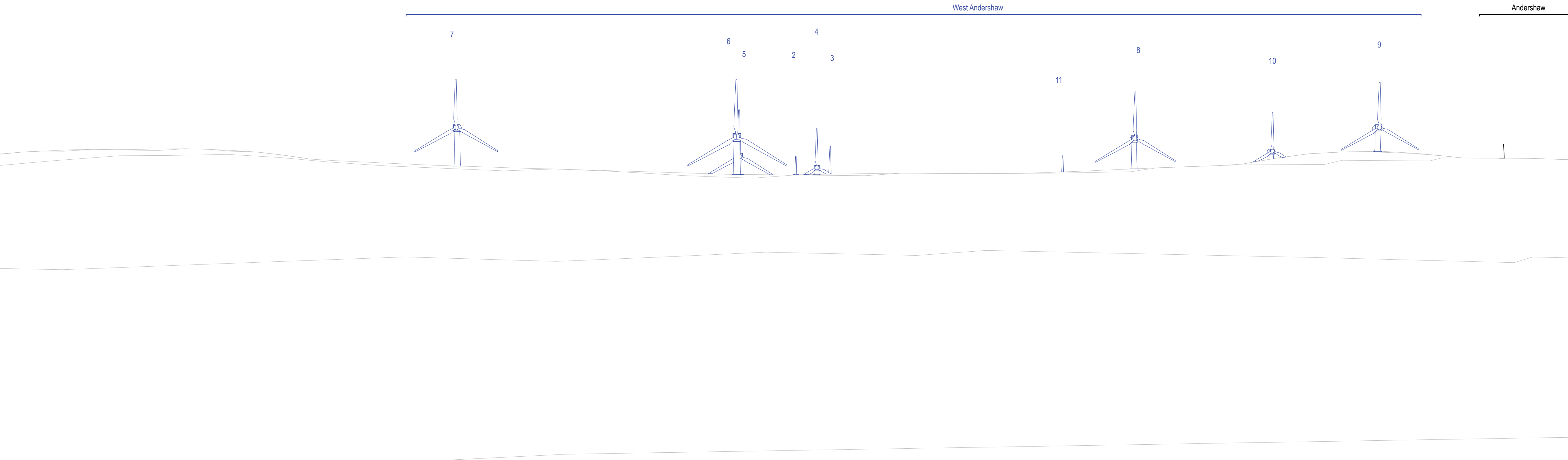
PREDICTED VIEW
(WITH TURBINE LOCATION MARKERS)



Photowireline showing proposed submission layout -
9 turbines @ 250m to blade tip height,
2 turbines @ 200m to blade tip height.

Viewpoint 1: B740 South of Site

WIREFRAME



Wireframe showing proposed submission layout -
9 turbines @ 250m to blade tip height,
2 turbines @ 200m to blade tip height.

Viewpoint 3: Glespin

PREDICTED VIEW



Photomontage showing proposed submission layout -
9 turbines @ 250m to blade tip height,
2 turbines @ 200m to blade tip height.

Viewpoint 3: Glespin

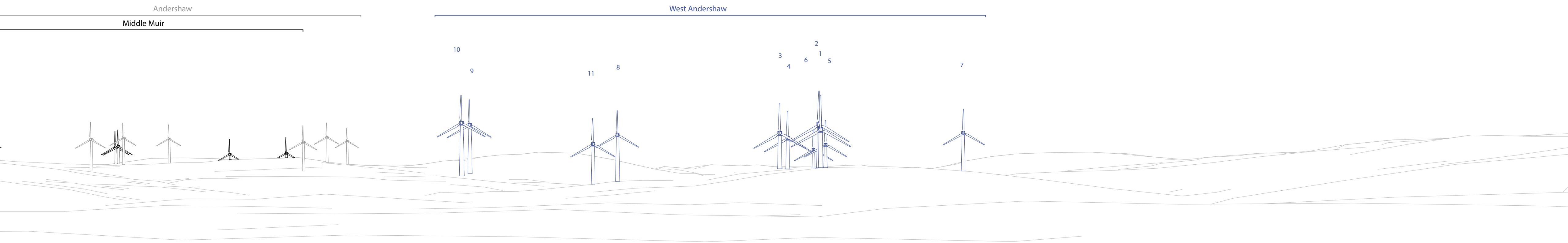
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Wireframe showing proposed submission layout -
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Viewpoint 4: Crawfordjohn

PREDICTED VIEW



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Viewpoint 4: Crawfordjohn

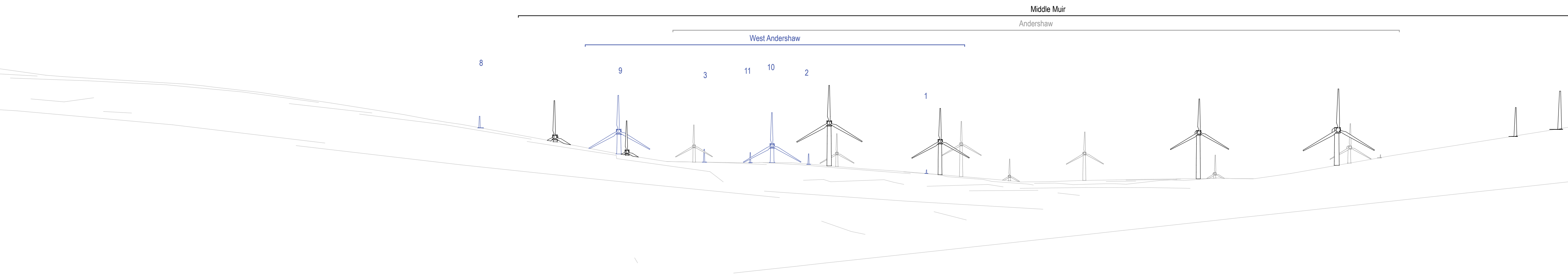
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Wireframe showing proposed submission layout -
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Viewpoint 7: Douglas Castle

PREDICTED VIEW



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Viewpoint 7: Douglas Castle

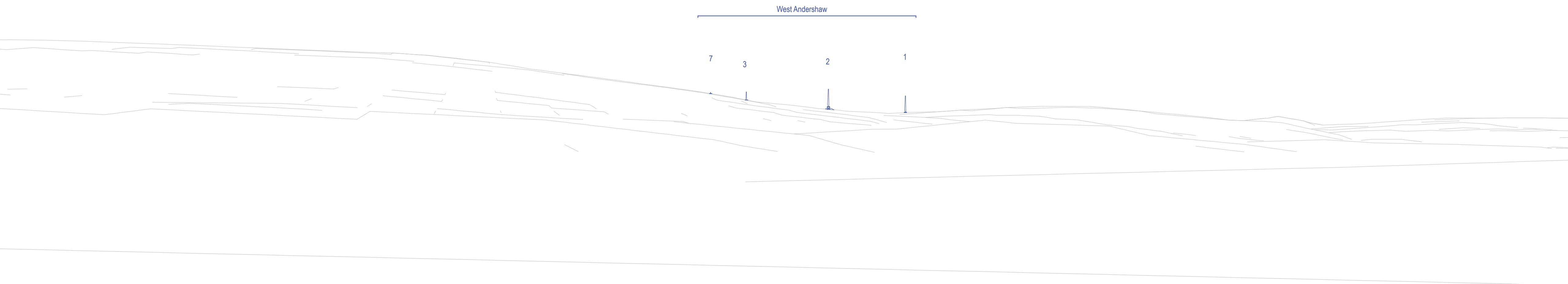
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Viewpoint 7: Douglas Castle

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