

DRAWING TITLE:
ES Figure 6.6 Zone of Theoretical Visibility - DSM

DOCUMENT:
6.3 Environmental Statement Volume 3 Figure 6.6 Zone of Theoretical Visibility - DSM

- LEGEND:
- Order limits
 - 1, 2 and 3km from Order limits
 - Indicative Area of Solar PV Array Development (4.5m Height)
 - Indicative siting zones for Customer Substation (13m Height), National Grid Substation (13m Height)
 - Proposed Representative Viewpoints (1 - 16)
 - Proposed Illustrative Viewpoints (a - g)

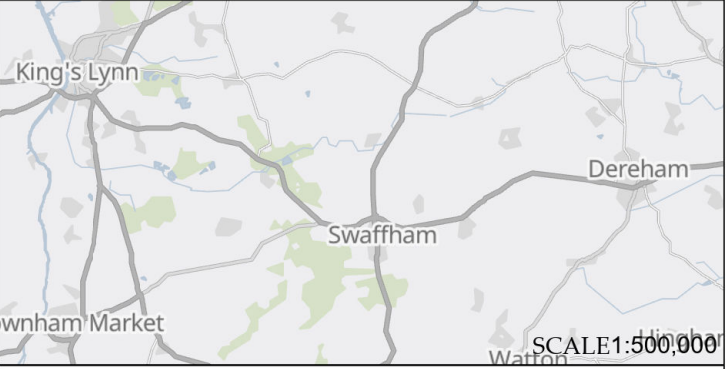
Zone of Theoretical Visibility (ZTV)
BESS areas not shown as they fall within either Solar PV Array or Substation development areas - all of which have greater parameter heights.

Indicative area for Solar PV Arrays based on a panel height of 4.5m

Siting zones for Customer Substation 13m, National Grid Substation 13m

*Note - No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.

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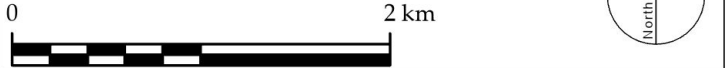
The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Reg 5(2)(a)

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SCALE @A3	1:40,000	CHECKED	OWh/MB
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P0	DCO Submission	RP	19/11/25
REV.	DESCRIPTION	APP.	DATE

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This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the viewshed routine in the ESRI ArcGIS Suite. The areas shown are the maximum theoretical visibility, taking into account topography, vegetation and buildings which have been included in the model with the heights obtained from a LIDAR digital surface model.

Due to its resolution, the surface model does not take into account every localised feature such as walls, small hedgerows or small trees and therefore only gives an impression of the extent of visibility.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on LIDAR terrain data with a 2m² resolution.