

- Order Limits
- LVIA Study Area (3km from Solar Development Sites)
- LVIA Viewpoints
- Solar Panel Zone of Theoretical Visibility
- 275KV Substation Zone of Theoretical Visibility
- Combined Solar Panels and 275KV Substation Zone of Theoretical Visibility

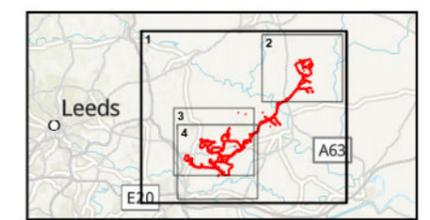
ZTVs have been modelled using the 'Viewshed' tool in ESRI ArcGIS Pro software which shows areas from which the proposed development is theoretically visible or not visible. The ZTV was prepared using digital terrain model (DTM) data with a resolution of 1m.

It is based on a maximum solar panel height of 4.5m. The maximum substation height is 13m. For all ZTVs an assumed viewing height of 1.7m above ground level has been used to simulate the eye level of a person at the top of the range set out in paragraph 6.11 of GLVIA3 to represent the worst-case scenario.

Coordinate System: British National Grid

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Rev	Date	By	Chkd	Appd	Authd



Drawing Title  
**Figure 10.4.1**  
**Zone of Theoretical Visibility (ZTV) - Bare Earth**  
**Sheet Number 1 of 4**

Client  
**Light Valley Solar Limited**

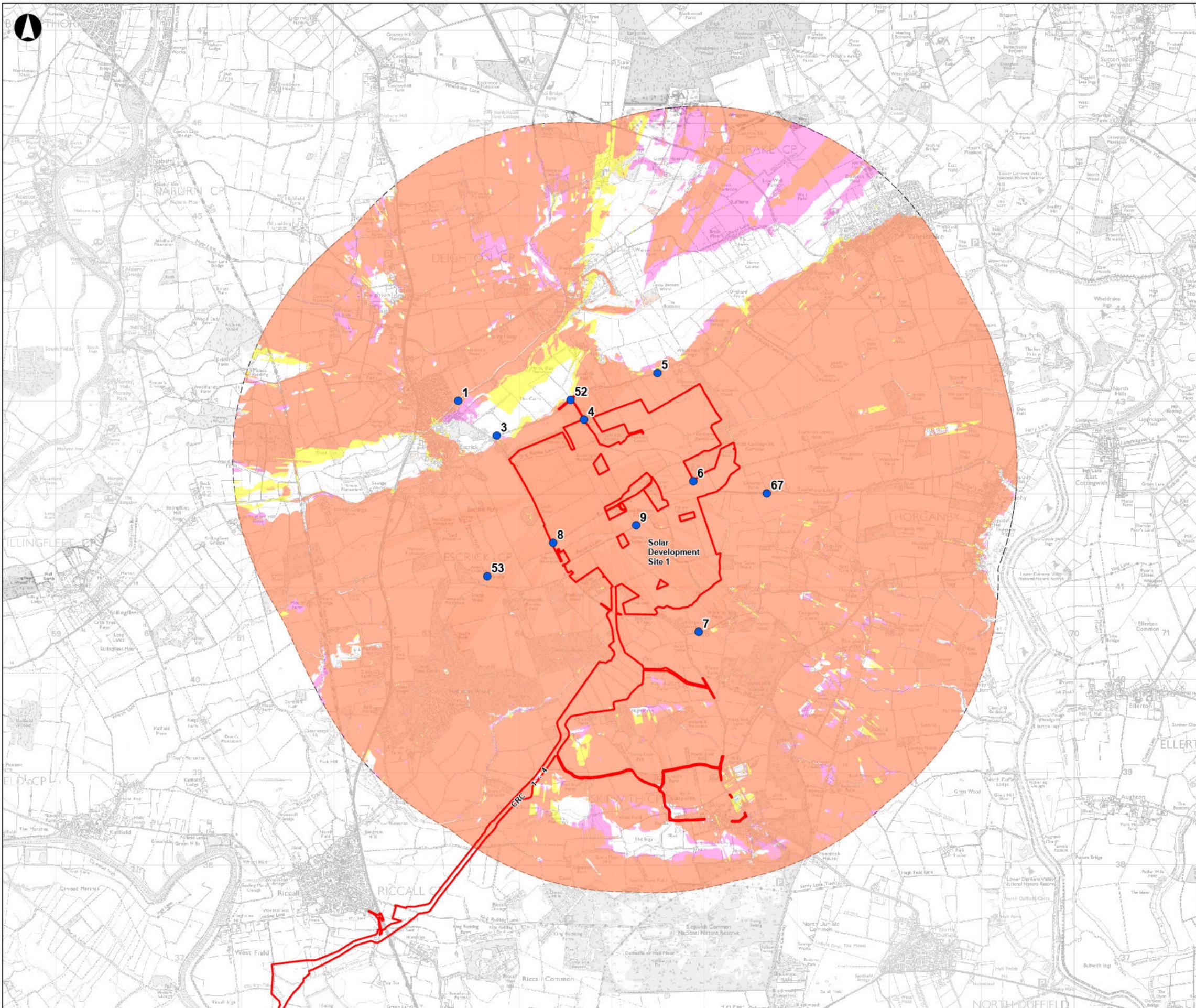
Project Name  
**Light Valley Solar**

Scale at A3  
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Project Number  
**302939-00**

Rev  
**P01**

Drawing Number  
**EN0110012/APP/LVS/06.02.10.04.01.01**



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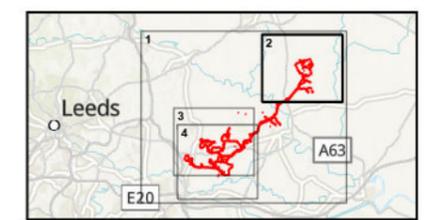
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Drawing Title  
**Figure 10.4.1**  
**Zone of Theoretical Visibility (ZTV) - Bare Earth**  
**Sheet Number 2 of 4**

Client  
**Light Valley Solar Limited**

Project Name  
**Light Valley Solar**

Scale at A3  
**1:40,000**

Project Number  
**302939-00**

Rev  
**P01**

Drawing Number  
**EN0110012/APP/LVS/06.02.10.04.01.02**



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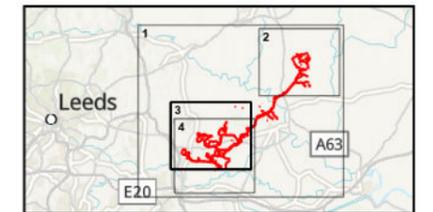
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Drawing Title  
**Figure 10.4.1  
Zone of Theoretical Visibility (ZTV) - Bare Earth  
Sheet Number 3 of 4**

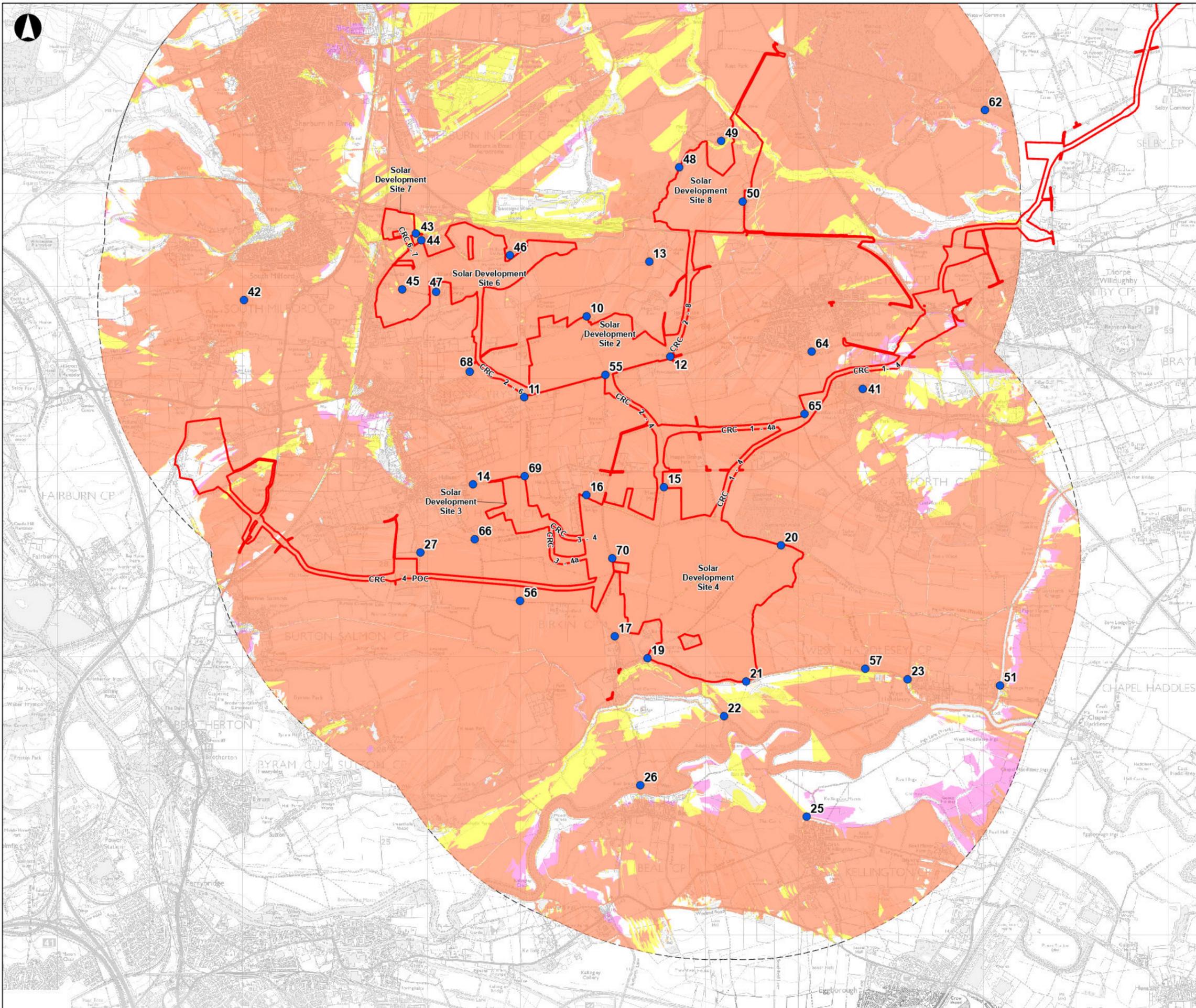
Client  
**Light Valley Solar Limited**

Project Name  
**Light Valley Solar**

Scale at A3  
**1:40,000**

Project Number <b>302939-00</b>	Rev <b>P01</b>
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Drawing Number  
**EN0110012/APP/LVS/06.02.10.04.01.03**



- Order Limits
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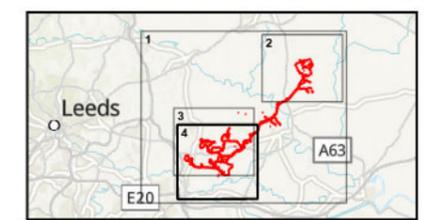
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Drawing Title  
**Figure 10.4.1**  
**Zone of Theoretical Visibility (ZTV) - Bare Earth**  
**Sheet Number 4 of 4**

Client  
**Light Valley Solar Limited**

Project Name  
**Light Valley Solar**

Scale at A3  
**1:40,000**

Project Number  
**302939-00**

Rev  
**P01**

Drawing Number  
**EN0110012/APP/LVS/06.02.10.04.01.04**