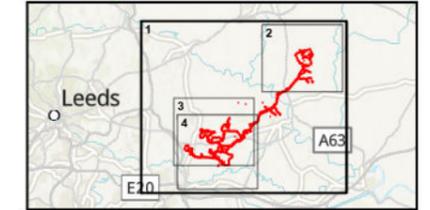


- Order Limits
- LVIA Study Area (3km Solar Development Sites Only)
- LVIA Viewpoints
- Solar Panel Zone of Theoretical Visibility
- 275KV Substation Zone of Theoretical Visibility
- Combined Solar Panels and 275KV Substation Zone of Theoretical Visibility

ZTV's 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. This ZTV was prepared using digital surface model (DSM) data with a resolution of 1m. The DSM includes heights of objects, such as vehicles, buildings and vegetation, as well as the terrain surface where the first or only return was the ground. It is based on a maximum solar panel height of 4.5m. The maximum substation height is 13m. For all ZTV's 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 worst case scenario.

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Rev	Date	By	Chkd	Appd	Authd



Drawing Title
Figure 10.4.2
Zone of Theoretical Visibility (ZTV) - Screened
Sheet Number 1 of 4

Client
Light Valley Solar Limited

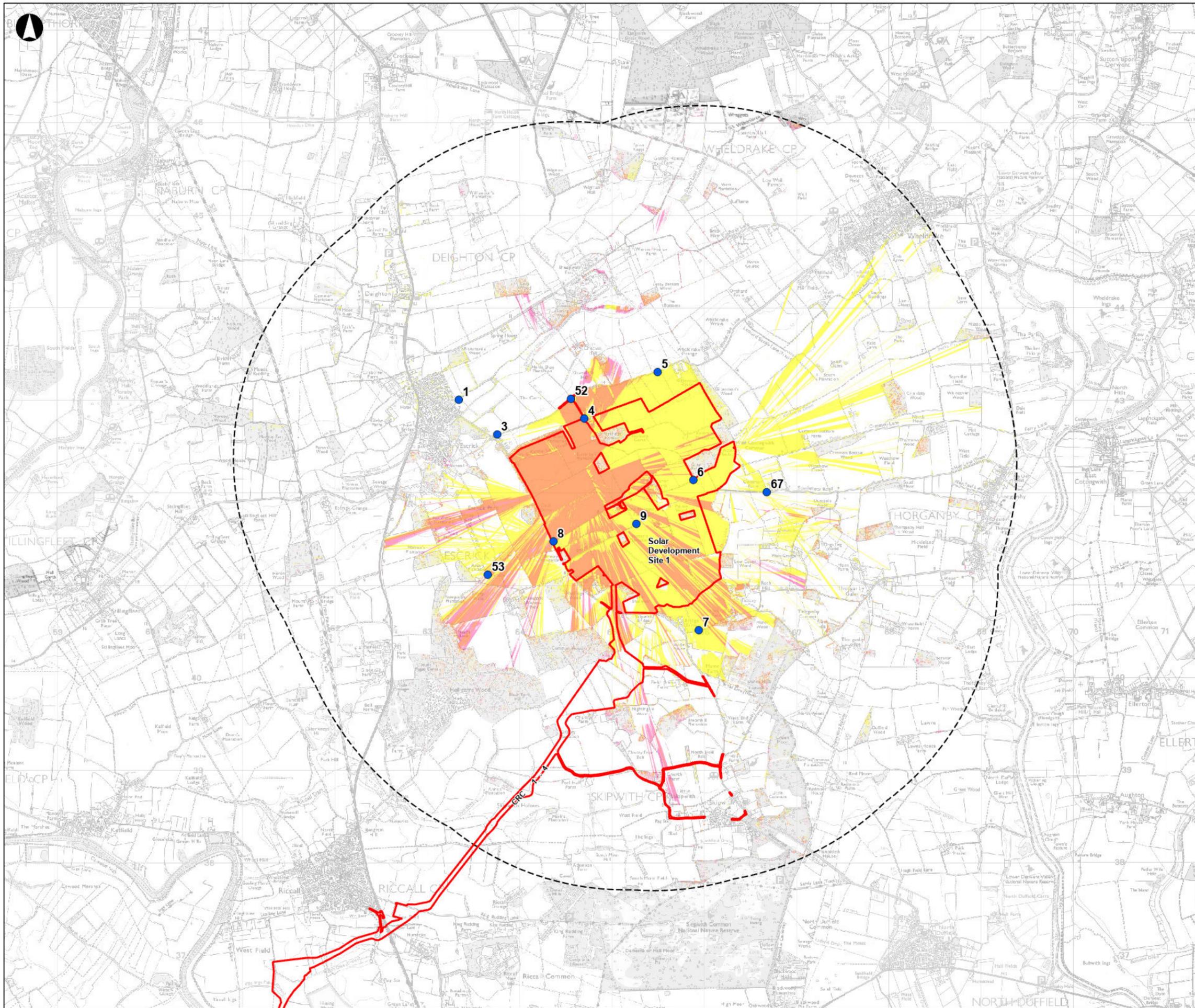
Project Name
Light Valley Solar

Scale at A3
1:100,000

Project Number
302939-00

Rev
P01

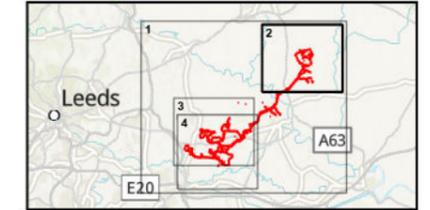
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Rev	Date	By	Chkd	Appd	Authd



Drawing Title
Figure 10.4.2
Zone of Theoretical Visibility (ZTV) - Screened
Sheet Number 2 of 4

Client
Light Valley Solar Limited

Project Name
Light Valley Solar

Scale at A3
1:40,000

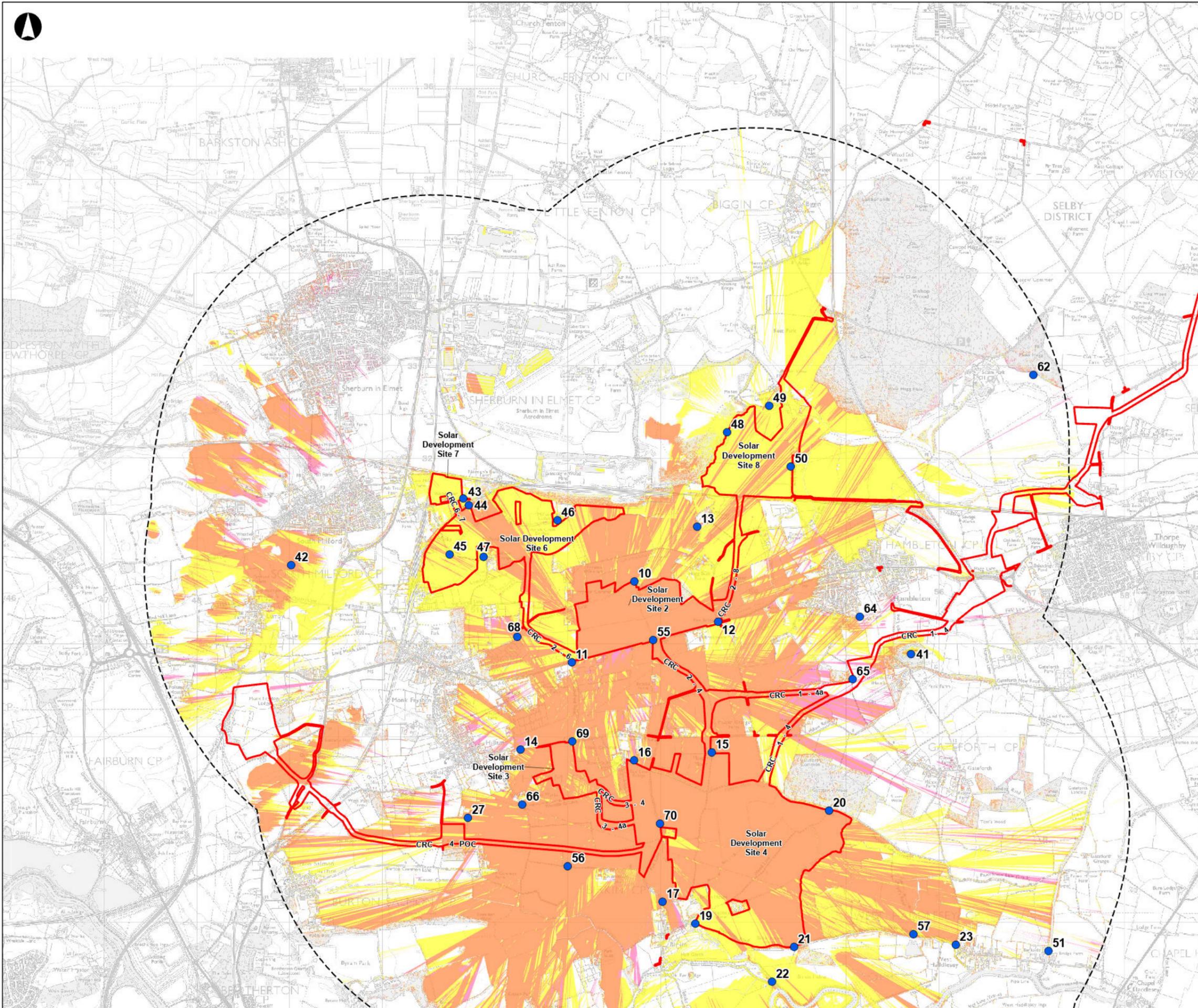
Project Number
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Rev
P01

Drawing Number
EN0110012/APP/LVS/06.02.10.04.02.02

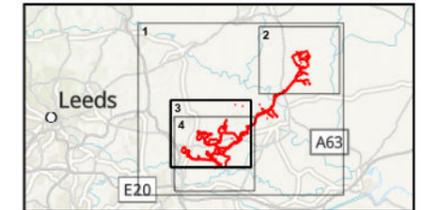


- Order Limits
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Drawing Title
Figure 10.4.2
Zone of Theoretical Visibility (ZTV) - Screened
Sheet Number 3 of 4

Client
Light Valley Solar Limited

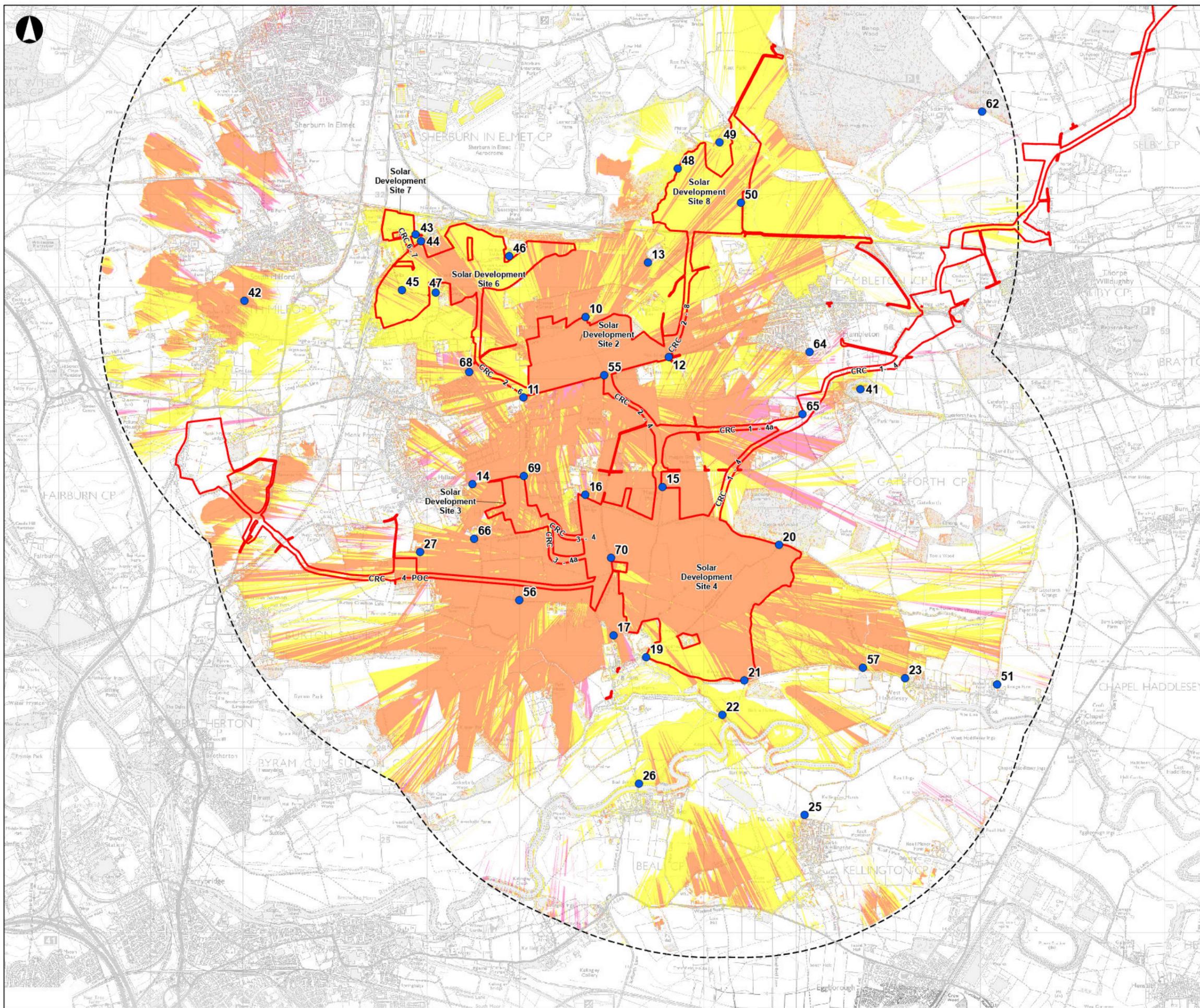
Project Name
Light Valley Solar

Scale at A3
1:40,000

Project Number
302939-00

Rev
P01

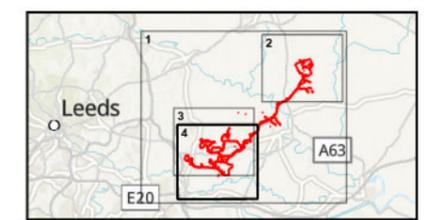
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- Order Limits
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- LVIA Viewpoints
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Drawing Title
Figure 10.4.2
Zone of Theoretical Visibility (ZTV) - Screened
Sheet Number 4 of 4

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/06.02.10.04.02.04