

**Tillbridge Solar Project
EN010142**

**Volume 6
Environmental Statement**

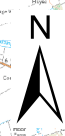
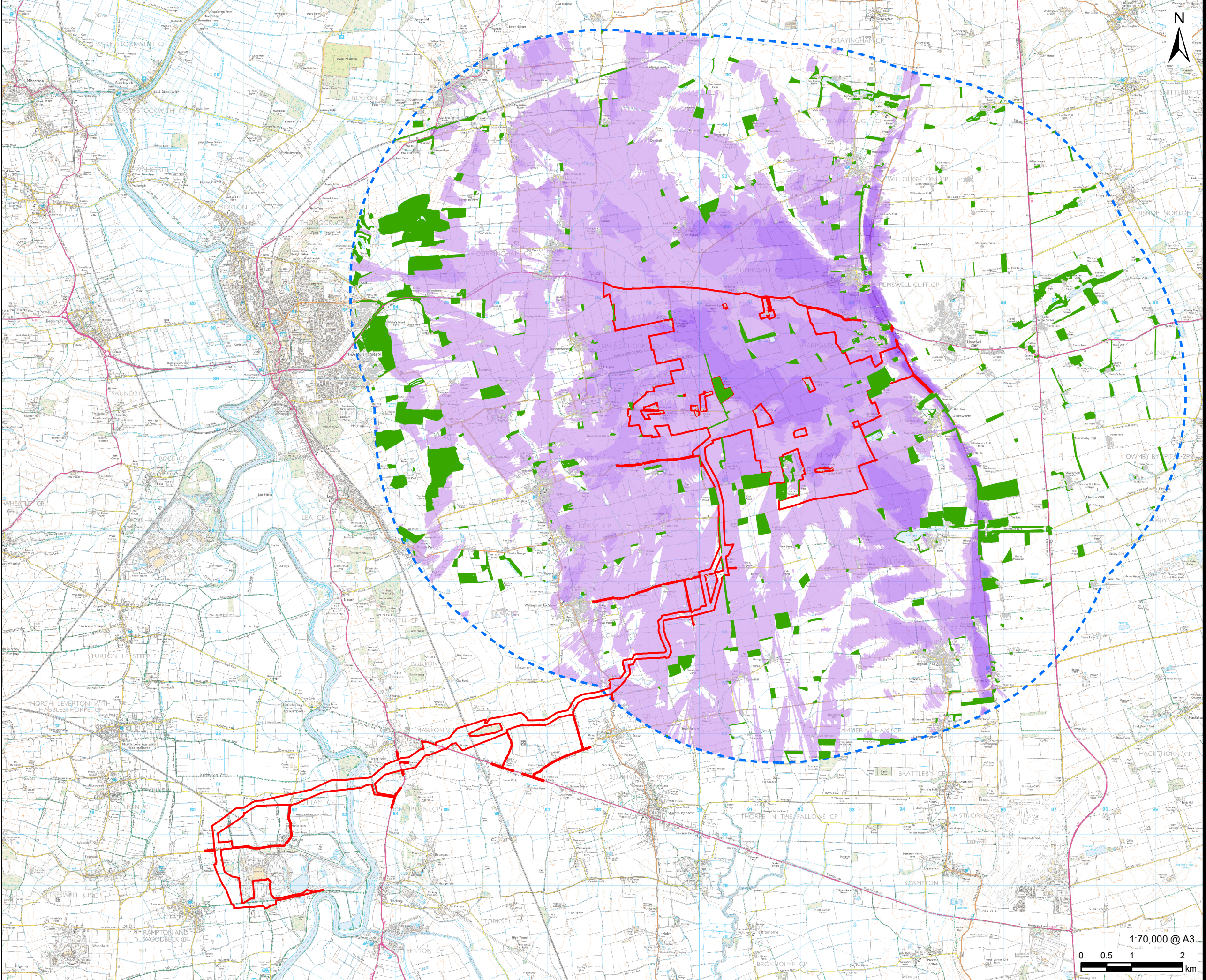
**Figure 12-4I-J: Zone of Theoretical Visibility -
Combined Solar Panels, Solar Stations/BESS and
Substations**

Document Reference: EN010142/APP/6.3

**Regulation 5(2)(a)
Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009**

**April 2024
Revision Number: 00**

tillbridgesolar.com



LEGEND

- Order limits
- Principal Site - 5km Buffer
- Building
- Woodland

Zone of Theoretical Visibility - Degree of Maximum Visibility

- Not Visible
- 1 - 25%
- 25 - 50%
- 50 - 75%
- 75 - 100%

NOTES

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- The Zone of Theoretical Visibility (ZTV) is based upon points along the external boundary to the indicative solar panel areas with an anticipated panel height of 3.5m. Substations with an anticipated height of 10m and Solar Stations with an anticipated height of 4m. The Solar panels, Substations and solar stations have an observer height of 1.5m. It does not reflect all theoretical visibility arising from panels located within the external solar panel boundary.
- The ZTV has been generated using Environment Agency Digital Terrain Model (DTM) with a 2m resolution. To provide evidence of theoretical screening, two additional databases have been included: OS Open Data with assumed height for buildings of 8m; and the Forestry Commission National Forestry Inventory (2021) and OS Open Data, with an assumed height of 11m.
- The ZTV has been produced in order to inform 'on the ground' visual assessment and does not include effects of screening derived from hedgerows or trees not included within the woodland database noted above.
- ZTV calculated using ArcGIS 10.8.1 Viewshed tool.
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ISSUE PURPOSE

DCO Submission
PROJECT NUMBER
 60677969

FIGURE TITLE
 Zone of Theoretical Visibility: Solar Panels, Solar Stations/BESS and Substations (with Buildings and Woodland Screening)

FIGURE NUMBER
 Figure 12-4j



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