

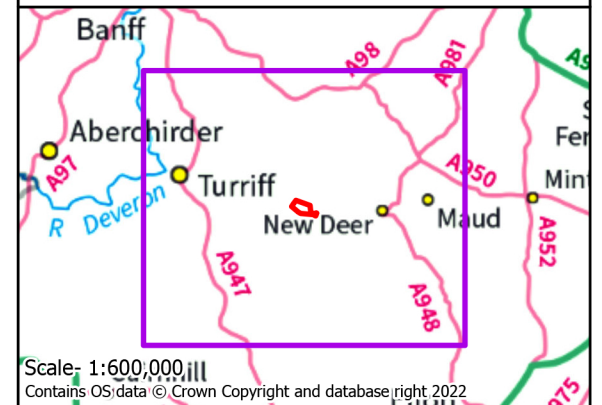
Legend

- Site Boundary
 - Proposed Development Platform
 - Distance from the Site Boundary
 - ▲ Terminal Towers
- Visibility:
- Substation and terminal towers
 - Terminal towers only

Note: the ZTVs are bare ground.
The substation is considered very unlikely to be noticeable beyond 5km and the terminal towers unlikely to be noticeable beyond 10km.
The ZTVs are therefore cut off at these distances.

Note:

- 1) The Zone of Theoretical Visibility for Greens is calculated based on the Proposed Development Platform, base height of 130.5m and the structure height of 14.5m with a viewer height of 2m above ground level. We have assumed the maximum height of the proposed built form will lie within these platforms.
- 2) The Zone of Theoretical Visibility for Terminal Towers is calculated based on the Proposed Terminal Tower's height of 62.67m and 59.67m, base height of 130.5m with a viewer height of 2m above ground level. The visibility of Terminal Towers is cut off at 10kms each.
- 3) The terrain model assumes bare ground and is derived from OS Terrain 5 data. Earth curvature and atmosphere refraction have been taken into account. The ZTV does not take into consideration intervening vegetation and built form. This presents a worst case scenario.



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Project No: LT000379
Project: Greens Substation EIA

Title: **Figure 8.3: Cumulative Zone of Theoretical Visibility**

Drawn by: AS Date: 18/11/2024

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