Scottish & Southern Electricity Networks
TRANSMISSION

5km
4km
3km
2km
1km

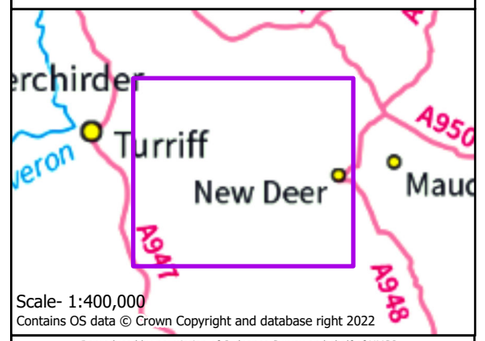
1
2
3
4
5
6
7
8
9
10
11
12

Scale @ A3: 1:45,000
N
0 0.275 0.55 1.1 1.65 2.2 2.75 km

Legend

- Site Boundary
- Proposed Development Platform
- Distance from the Site Boundary
- Zone of Theoretical Visibility
- Viewpoint Locations

Note:
1) This drawing shows the theoretical visibility of a structure 14.5m high occupying a development platform at 130.5m AOD (marked in blue) taking into account the screening provided by woodland and built form. The assumed viewer eye height is 2m above ground level. As a 'with screening' ZTV this can be considered to present the 'best-case' scenario.
2) The terrain model is a combination of a 2m LiDAR Digital Surface Model and OS Terrain 5 data. The LiDAR models the ground surface where there are no upstanding objects but includes the top surface of objects such as trees and buildings. To avoid 'false screening' from the LiDAR modelling existing overhead lines a 10m strip around these has been clipped and replaced with the bare ground terrain model. Similarly, everything within the Site has been removed from the model to allow for potential site clearance works. The ZTV raster has been refined for accuracy using the Scottish National Woodland Inventory and OS Mastermap to exclude views from tree canopies and building tops.
3) Earth curvature and atmospheric refraction have been taken into account.



Scale- 1:400,000

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Project No: LT000379

Project: Greens Substation EIA

Title:

Figure 8.2 : Zone of Theoretical Visibility (with Screening) and Viewpoint Locations

Drawn by: AS Date: 28/11/2024

Drawing: LT000379 _WSP_EIAR_V3_08_0002