

- Emmock red line boundary
- LVIA study area boundary (3km buffer from red line boundary)
- Electrical layout and fence line

Landscape Character Area

- Landscape Character Area
- 0: Urban/Water
- 382: Lowland Hill Ranges
- 387: Dipslope Farmland

Screening

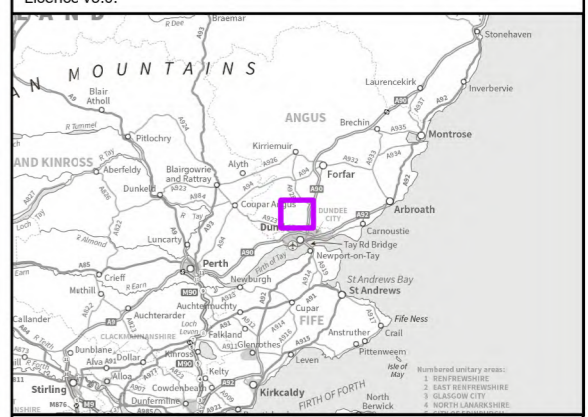
- Woodland (mixed mainly conifer, mixed mainly broadleaved, conifer, broadleaved, young trees)
- Building

Zone of Theoretical Visibility (with bunding and screening included to 3km)

- Theoretically more visible
- Theoretically less visible

The ZTV indicates the theoretical visibility of the proposed development. The ground elevation of the fence line and electrical infrastructure is set to 139m with a height of 15.3m added to the electrical infrastructure, a height of 7.2m added to the control building and a height of 3.4m added to the fence line. Screening layers (up to 3km) include bunding, buildings set to 8m and national forest inventory categories mixed mainly conifer, mixed mainly broadleaved, conifer, broadleaved young trees set to 15m and 5m for young trees. A viewer height of 2m was used. The terrain model is based on Ordnance Survey Terrain 5 digital terrain model (DTM) data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.3.1 software.

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Project No: LT382
Project: Emmock 400 kV Substation

Title:
Landscape Character Types with Substation Screening Zone of Theoretical Visibility (ZTV)

Drawn by: IB Date: 06/11/2024

Figure: 7.3b

740

740

340

340

735000m.N



Scale @ A3: 1:27,000

0 1 2 km

335000m.E