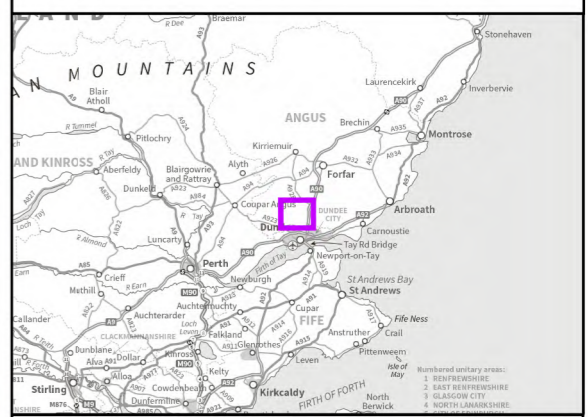


- Emmock red line boundary
 - L VIA study area boundary (3km buffer from red line boundary)
 - Electrical layout and fence line
 - Core path
 - L VIA viewpoints
 - VP01: Cairns-Balkello Hill
 - VP02: South Balluderon
 - VP03: Balkemback Cottages
 - VP04: Myreton of Claverhouse
 - VP05: North of Wynton
 - VP06: North of Balnuith
 - VP07: Inveraldie
 - VP08: Emmock Road
 - VP09: Minor Road west of Balnuith
- 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: LT486
Project: Emmock 400 kV Substation

Title: Substation Screening
Zone of Theoretical Visibility (ZTV),
Viewpoint Locations and
Visual Receptors within 3km

Drawn by: IB Date: 06/11/2024

Figure: 7.2b

735000m.N

Scale @ A3: 1:27,000

335000m.E