

- Legend**
- 10 km LVIA Study Area
  - Distance from Proposed Alignment : 1 km, 2 km, 5 km

**Development for which Section 37 Consent is Sought**

- Proposed OHL Alignment - 400 kV
- Proposed Tower – 400 kV
- Proposed Tower – Existing OHL Works (275 kV Realignment and Crossings)

**Caledonian Canal Tower Height**

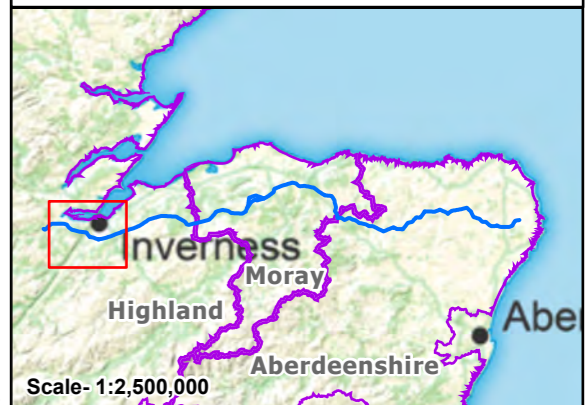
- CB1-1 (69.57 m)
- CB1-2 (96.57 m)

**Zone of Theoretical Visibility (ZTV) (Number of Towers Visible)**



ZTV Note:

- 1) The theoretical visibility of taller than average towers in proximity to the Caledonian Canal is calculated based on their design heights of 69.57 m and 96.57 m. The assumed viewer eye height is 2 m above ground level. The visibility of these towers is cut off at 10 km each.
- 2) The digital elevation model assumes bare ground and is derived from OS Terrain 5 data. The ZTV does not take into consideration intervening vegetation and built forms. This presents a worst-case scenario.
- 3) Earth curvature and atmosphere refraction have been taken into account.
- 4) The ZTV is based on the Design Freeze 4.
- 5) Refer to **Section 7.2 of Chapter 7: Landscape and Visual** for ZTV creation methodology.



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Project: Beauty to Blackhillock to New Deer to Peterhead 400 kV OHL Project

Title: Figure 7.3a - Zone of Theoretical Visibility The Highland Council, Caledonian Canal Crossing - Bare Earth

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