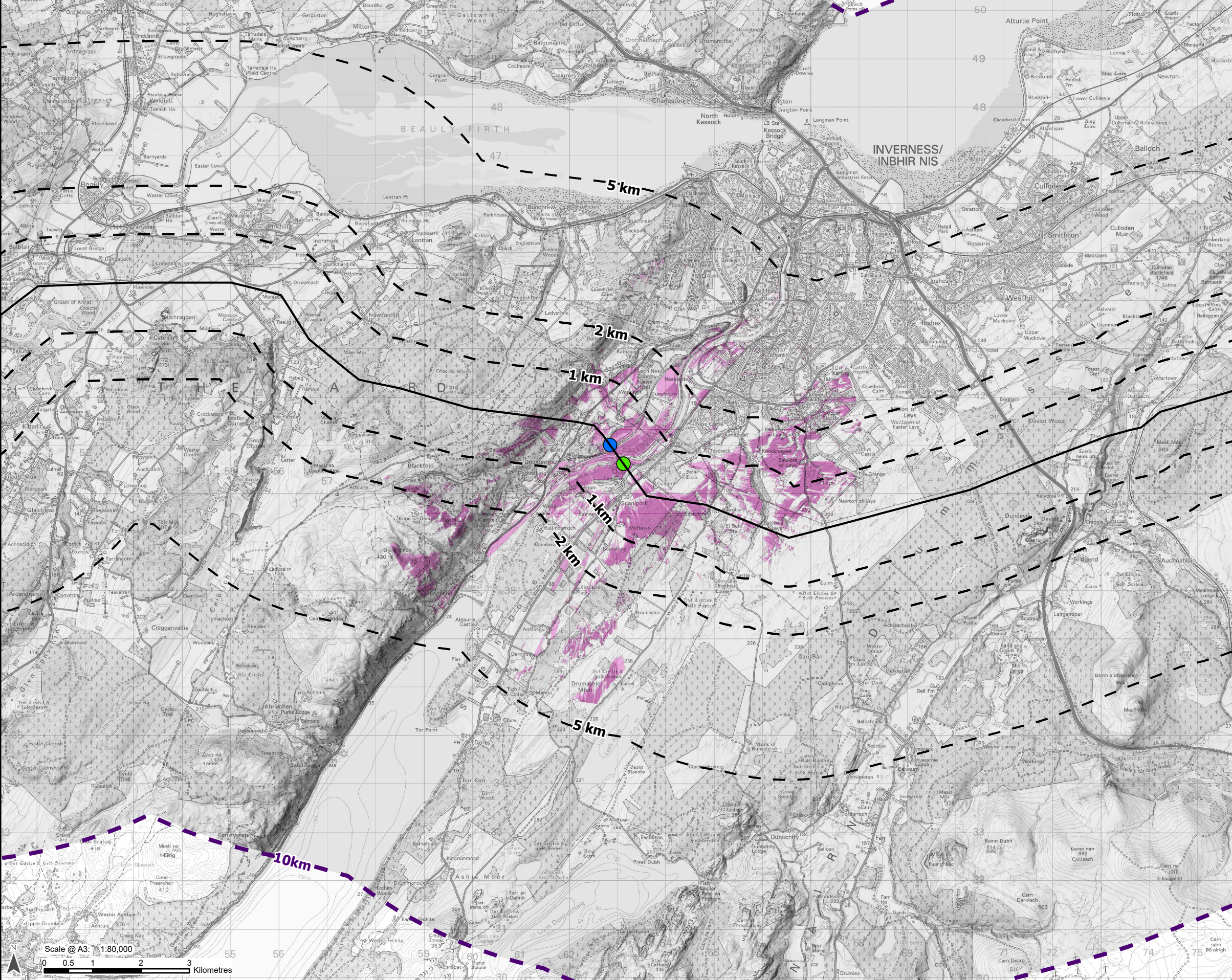


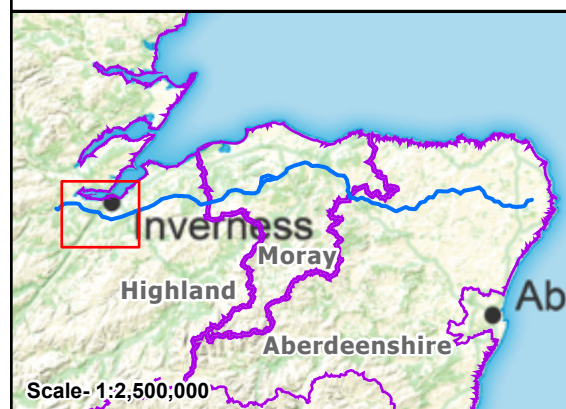


Legend

- 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
- Caledonian Canal Tower Height
 - CB1-1 (69.57 m)
 - CB1-2 (96.57 m)
- Zone of Theoretical Visibility (ZTV) (Number of Towers Visible)
 - 1
 - 2

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 5 km each.
- 2) The digital elevation model is derived from 2m LiDAR Digital Surface Model (DSM) data and covers a 5 km offset on both sides of the proposed OHL alignment.
- 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: Beauly to Blackhillock to New Deer to Peterhead 400 kV OHL Project

Title: Figure 7.3b - Zone of Theoretical Visibility
The Highland Council, Caledonian Canal Crossing
- Screening

Drawn by: MAL Date: 12/09/2025

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