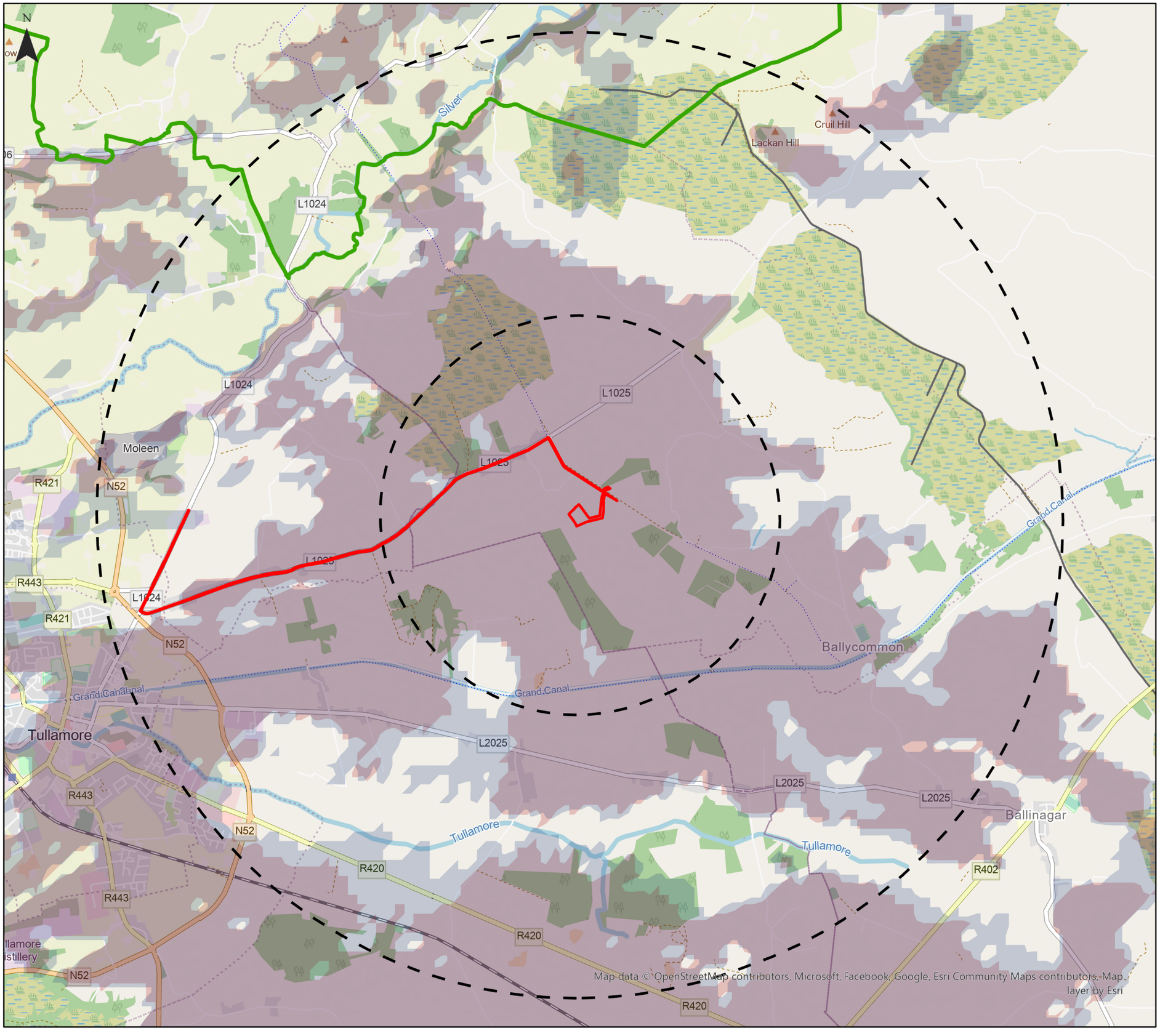
Colehill 110kV Substation
Zone of Theoretical Visibility (ZTV)
Figure 1.2



Key

- County Boundary
- Development Boundary w/ Grid Connection
- 2km, 5km Study Areas

Zone of Theoretical Visibility (ZTV)

- Masts and Comms Tower (Upper 6m)
- Control Building and Transformers
- Both Features Theoretically Visible

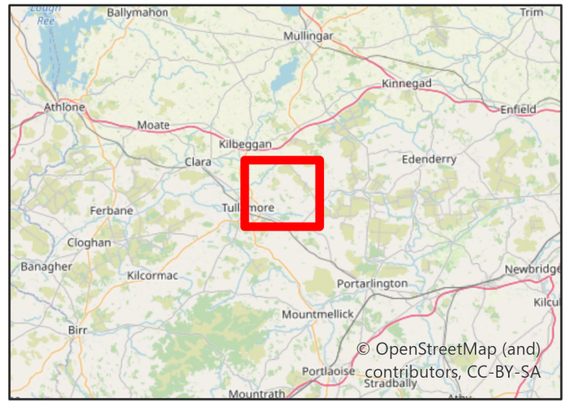
Notes on ZTV Methodology:

The development has been interpreted as a series of spot heights: points at 12m height represent 2/3 of the total height of the 18m Lightning Masts; and a matrix of points 8.4m high represent the proposed Control Building. Ground levels are sourced from the OSi National DTM 10m Height Data - Series 2 (accuracy +/- 1.5m).

The ZTV was calculated on a worst case scenario i.e. no account has been made for screening effects of woodlands, hedges, homesteads, farm buildings or urban areas etc.

The viewer eye-level for the ZTV is 1.7m as recommended in the GLVIA v3 (Landscape Institute, 2013). The ZTV takes into account earth curvature and atmospheric refraction.

Neo Office Address:
BIA INNOVATOR CAMPUS, Ballygarraun West, Co. Galway, H65 DD86



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