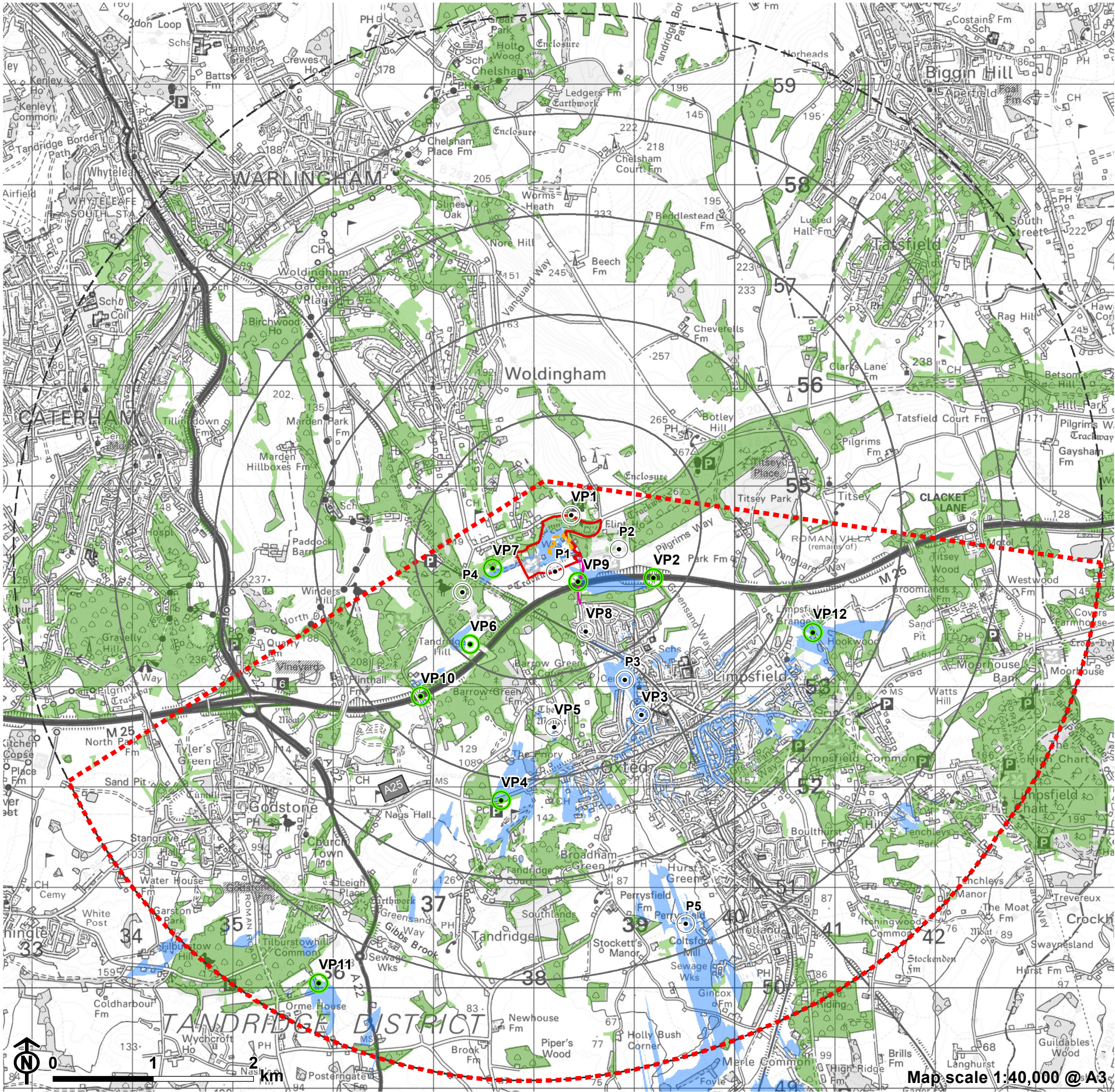


Figure 15.10b: Zones of Theoretical Visibility (filtered) and Viewpoints



- Site boundary
- Study area
- Proposed area for housing
- 1km radii from site boundary
- Proposed footway
- Screening by existing vegetation and buildings
- Building
- Key woodland blocks
- Zone of theoretical visibility
- Proposed development theoretically visible
- Viewpoint location/Photograph point

Notes:

The ZTV is calculated using the final housing development layout provided in June 2023 by OSP Architecture with actual building heights. The maximum building height is 9.4m.

The ZTV indicates the theoretical visibility of the proposed housing development area from a viewing height of 2m above ground level. The proposed contour levels in the proposed housing development area are taken to be the proposed restored contours as provided by OSP Architecture.

The terrain model is based on OSTerrain 5 digital terrain model (DTM) data (5m grid, obtained from Ordnance Survey in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating:

- Existing buildings, based on OSVML building data with an assumed height of 8m for each building.
- Existing woodland, based on the woodland category of the Forestry Commission NFI 2019 dataset, with an assumed height of 15m for each type of woodland ( 'Assumed woodland', 'Broadleaved', 'Conifer', 'Mixed mainly broadleaved', 'Mixed mainly conifer'). Hedgerows are not modelled.

Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.