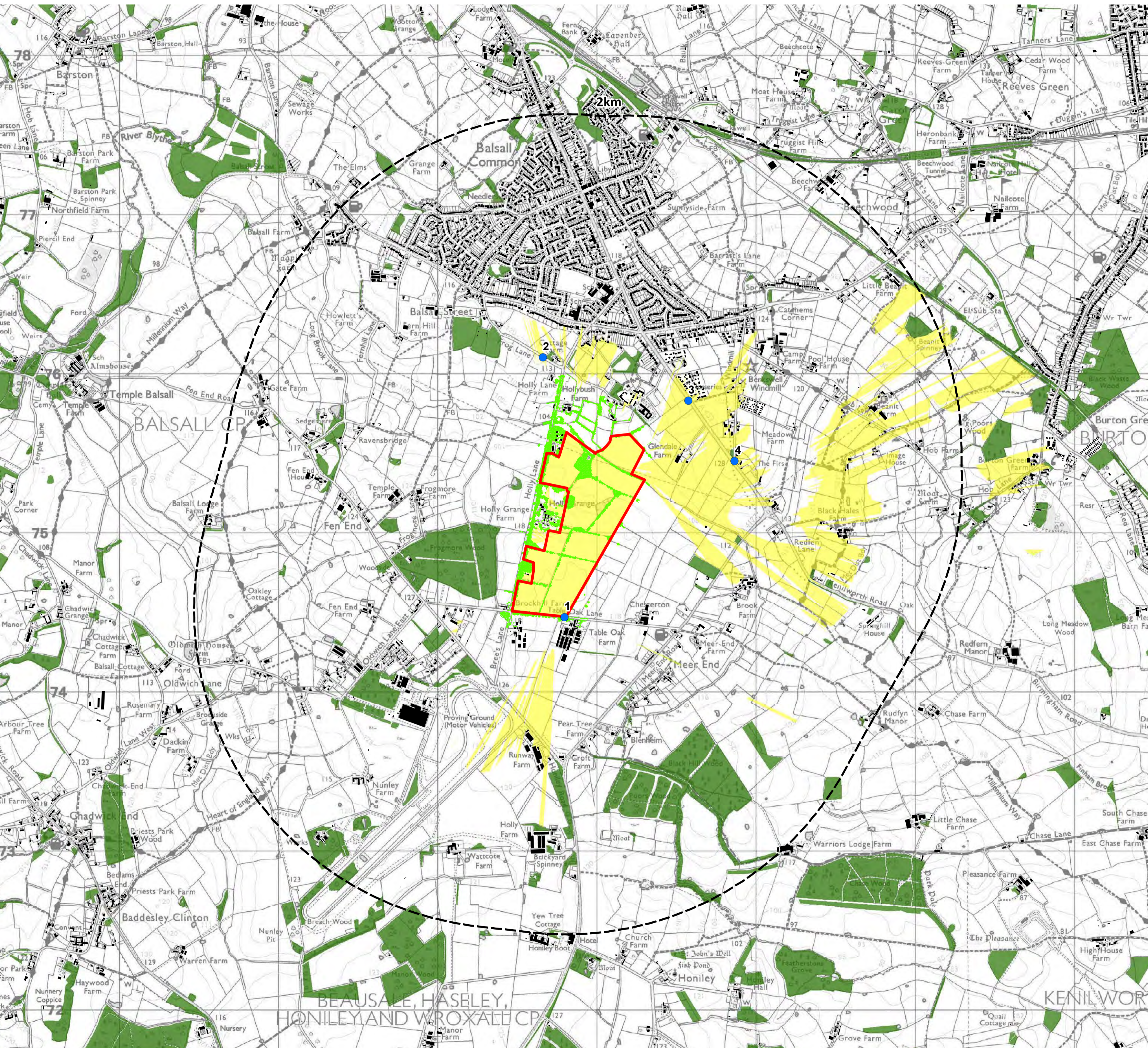




# Holly Lane Energy Park Zone of Theoretical Visibility (ZTV) with Viewpoint Locations



## KEY

- Site Boundary
- Viewpoint Location
- National Tree Map Data (2020)
- OS Open Map Local Buildings
- OS Open Map Local Woodland
- ZTV - 3m High Development Visible

Screened ZTV Production Information -  
The ZTV has been produced using multiple datasets to create a DSM (Digital Surface Model). These have been combined together accurately using ESRI GIS software. The following datasets have been used to create the DSM-

- OS Terrain 5 has been used as the base layer.
- Bluesky's National Tree Map (NTM) This is a detailed dataset covering England and Wales. It provides a comprehensive database of location, height and canopy spread for every single tree 3m and above in height. This is created from stereo aerial photography. Heights used within the model are the MEAN heights supplied with the dataset.
- OS Open Map Local Woodland and Buildings
- Indicative woodland and building heights are modelled at 15m and 8m respectively
- Viewer height set at 1.7m  
(in accordance with para 6.11 of GLVIA Third Edition)
- Calculations include earth curvature and light refraction

N.B. This Zone of Theoretical Visibility (ZTV) image illustrates the theoretical extent of where the development may be visible from, assuming 100% atmospheric visibility, and includes the screening effect from vegetation and buildings, based on the assumptions stated above.  
The ZTV does not consider the smaller site to the south.