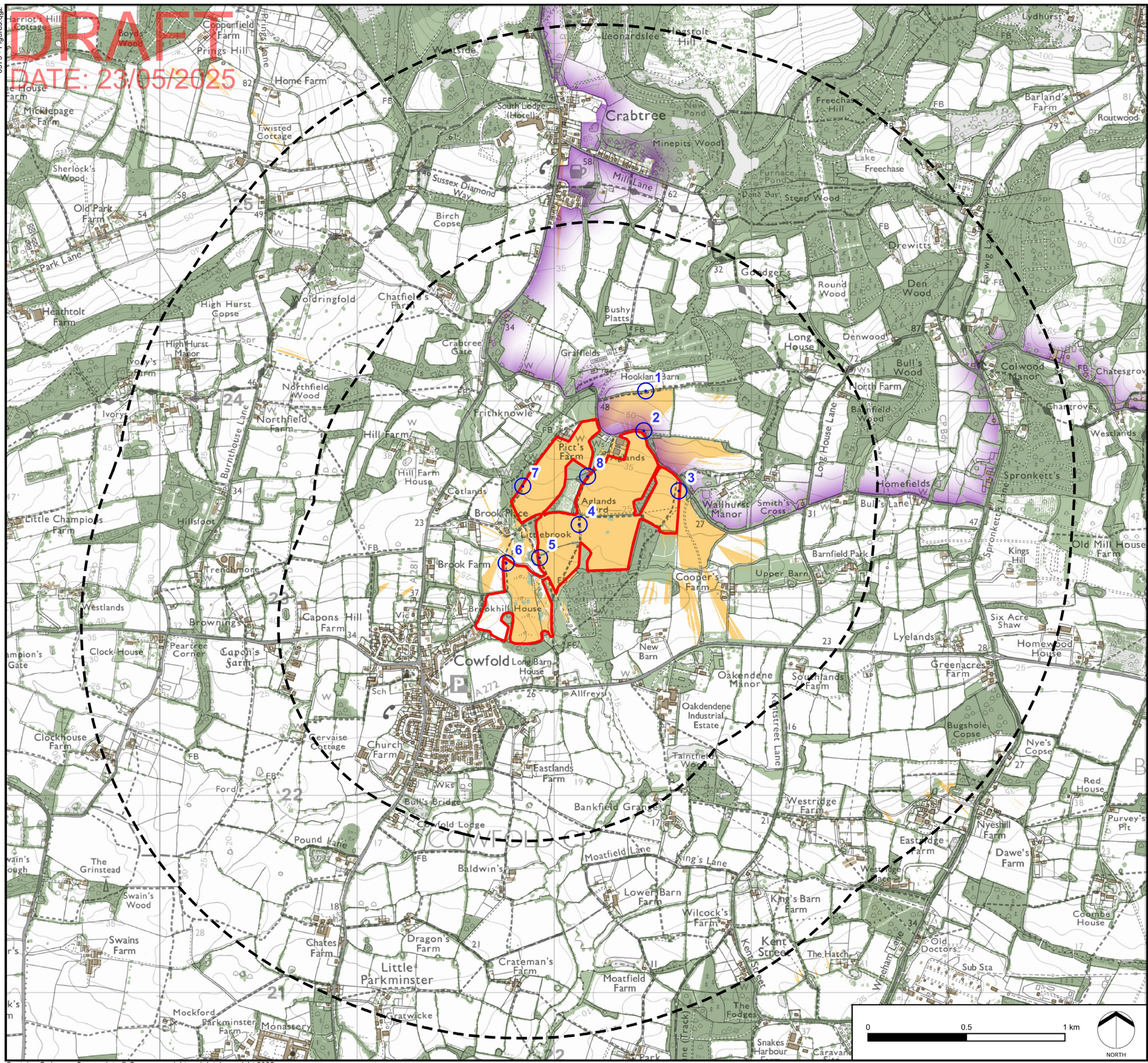


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DRAFT
DATE: 23/05/2025

BOLNEY SOLAR AND BESS

FIGURE 1
Zone of Theoretical Visibility With Screening
Effect of Buildings and Vegetation

KEY

- Site Boundary
- Distance Radii from Site (1, 2km)
- Proposed Assessment Viewpoints
- High Weald National Landscape
- Existing Vegetation above 2.5m
- Existing Buildings

Zone of Theoretical Visibility

- Proposed development areas may be visible

FIGURE DATA:
This figure has been based on the following data:

Layout files: D004-obs-infrastructure_combined
Terrain data: DEFRA-VOM-DSM-2022-2-5km
Viewer's eye height: 2m above ground level
Calculation grid size: 2m

NOTES:
This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings.

A digital surface model (DSM) has been derived from DEFRA National LiDAR Programme 2m 2022 height data. Locations buildings are taken from the OS Open Map Local dataset, and locations of woodland and vegetation higher than 2.5m are taken from the Environment Agency's Vegetation Object Model (VOM) dataset. Heights of buildings and woodland have been taken from DEFRA National LiDAR Programme 2m 2022 DSM height data.

The actual extent of visibility on the ground will be less than that suggested by this plan.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 2m² resolution.

Projected Coordinate System: British National Grid

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