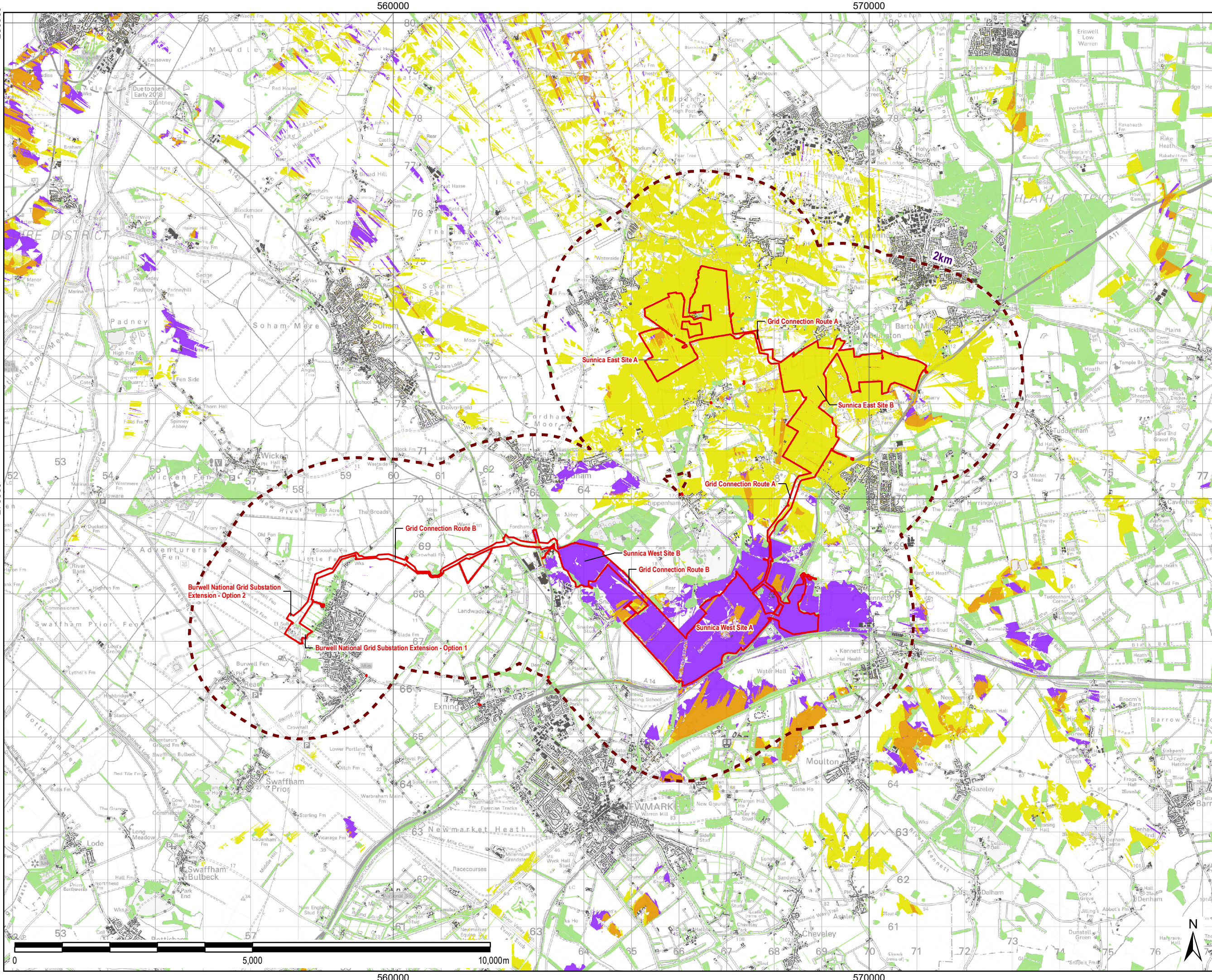


File Name: \\aecomnet.com\UK\CBG1\Ubs\PR-334327\_Sunnica\_Energy\_Farm\400\_Technical\Disciplines\17\_GIS\Layouts\ES\Chapter 10\_Landscape\10-11f\_ZTV\_withBarriers\_Combined.mxd



THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT

- LEGEND**
- The Order limits
  - 2km Area of Search
  - Barriers**
    - Building
    - Woodland
  - Zone of Theoretical Visibility - with Barriers**
    - Sunnica West Site Visible Only
    - Sunnica East Site Visible Only
    - Both Sites Visible

**NOTES**

Generated using Ordnance Surveys Terrain 5 Dataset which is based on 5m resolution Digital Terrain Model (DTM), incorporating the proposed Solar PV panels modelled across the site to a maximum anticipated height of 2.5m, and the proposed substations, modelled to a maximum anticipated height of 8.5m. Proposed scheme is derived from the proposed Red Line Boundary (RLB) areas dated 02/09/2023 with reference points included every 20m on a grid across the full extent of the RLB site. The ZTVs do not include associated buildings which are not known at this stage.

ZTV calculated using ArcGIS 10.6.1 Viewshed tool with observer eye height 1.7m above ground.

Visual barriers on the Combined with Barriers ZTV were defined within the immediate site context up to 5km from the RLB. Woodland areas were derived from Forestry Commission National Forestry Inventory (NFI), modelled at 10m, and the National Tree Map, using the maximum tree height value, and buildings were derived from OS MasterMap using the accurate OS Building Height Attribute (BHA) data. For buildings outside the BHA coverage, heights were modelled at 8m, and the dataset extracted from OS Open Local vector based building layers.

**NOTE:**

Document Reference: EN01006/APPI6.3

AFPP Regulation: 5(2)(a)

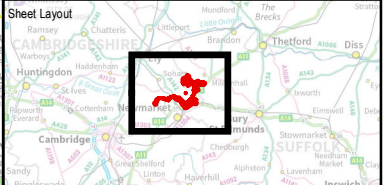
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**Purpose of Issue**

FOR DCO SUBMISSION

**Client**

SUNNICA LTD



**Drawing Title**

FIGURE 10-11F  
COMBINED WITH BARRIERS  
ZONE OF THEORETICAL  
VISIBILITY FOR THE DCO SITE

Drawn LL	Checked DW	Approved NC	Date 14/07/2021
AECOM Internal Project No. 60589004		Scale @ A3 1:72,000	

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