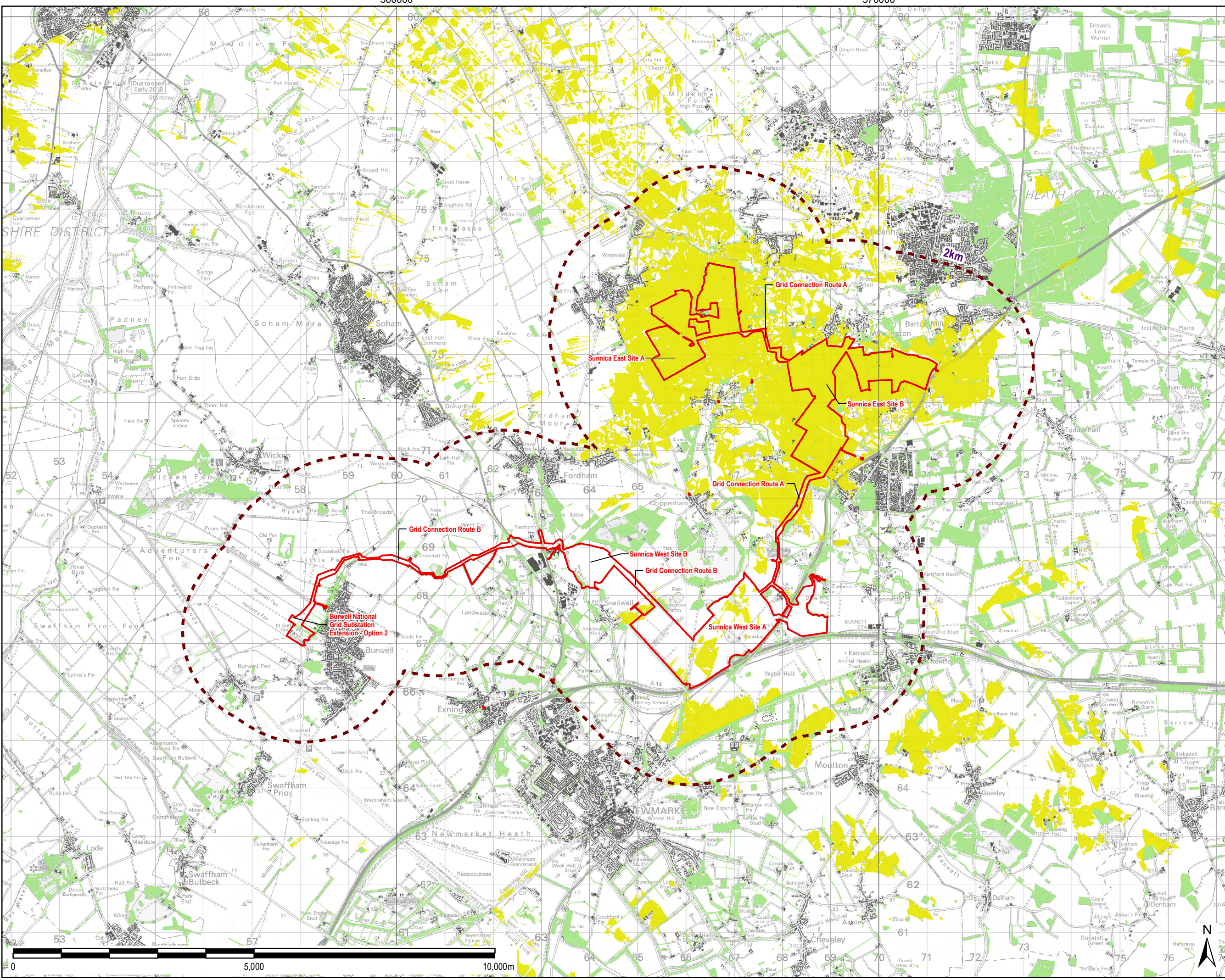


File Name: \\aecom\com\UK\UKCBG1\bb\PR-334327\_Sunnica\_Energy\_Farm\400\_Technical\Disciplines\17\_GIS\Layouts\ES\Chapter 10\_Landscape\22\1018\_SunnicaEnergyFarm\_Figure10-11b\_ZTV\_withBarriers\_SunnicaEast.mxd



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 East Site Visible

**NOTES**

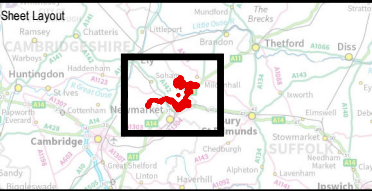
Generated using Ordnance Survey Terrain 5 Dataset which is based on 5m resolution Digital Terrain Model (DTM), incorporating the proposed Solar PV panels modelled across the site to a maximum anticipated height of 2.5m, the proposed on-site substations, modelled to a maximum anticipated height of 10m, and Burwell substation modelled to a maximum anticipated height of 12m (the layout of the substation does not affect the ZTV shown).

Proposed scheme is derived from the proposed Red Line Boundary (RLB) areas dated 17/08/2022 with reference points included every 20m on a grid across the full extent of the RLB site. The ZTVS do not include other associated buildings which are not known at this stage.

ZTV calculated using ArcGIS 10.8.1 Viewshed tool with observer eye height 1.7m above ground.

Visual barriers on the 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.

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Purpose of Issue  
**FOR DCO SUBMISSION**

Client  
**SUNNICA LTD**



Drawing Title  
**FIGURE 10-11B  
WITH BARRIERS ZONE OF  
THEORETICAL VISIBILITY  
SUNNICA EAST SITE A AND SITE B**

Drawn AD	Checked JR	Approved NC	Date 18/10/2022
AECOM Internal Project No. 60589004		Scale @ A3 1:72,000	

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