



SUNNICA ENERGY FARM

EN010106

8.77 Environmental Masterplan (Zoomed In)

Planning Act 2008

Infrastructure Planning (Examination Procedure) Rules 2010



Planning Act 2008

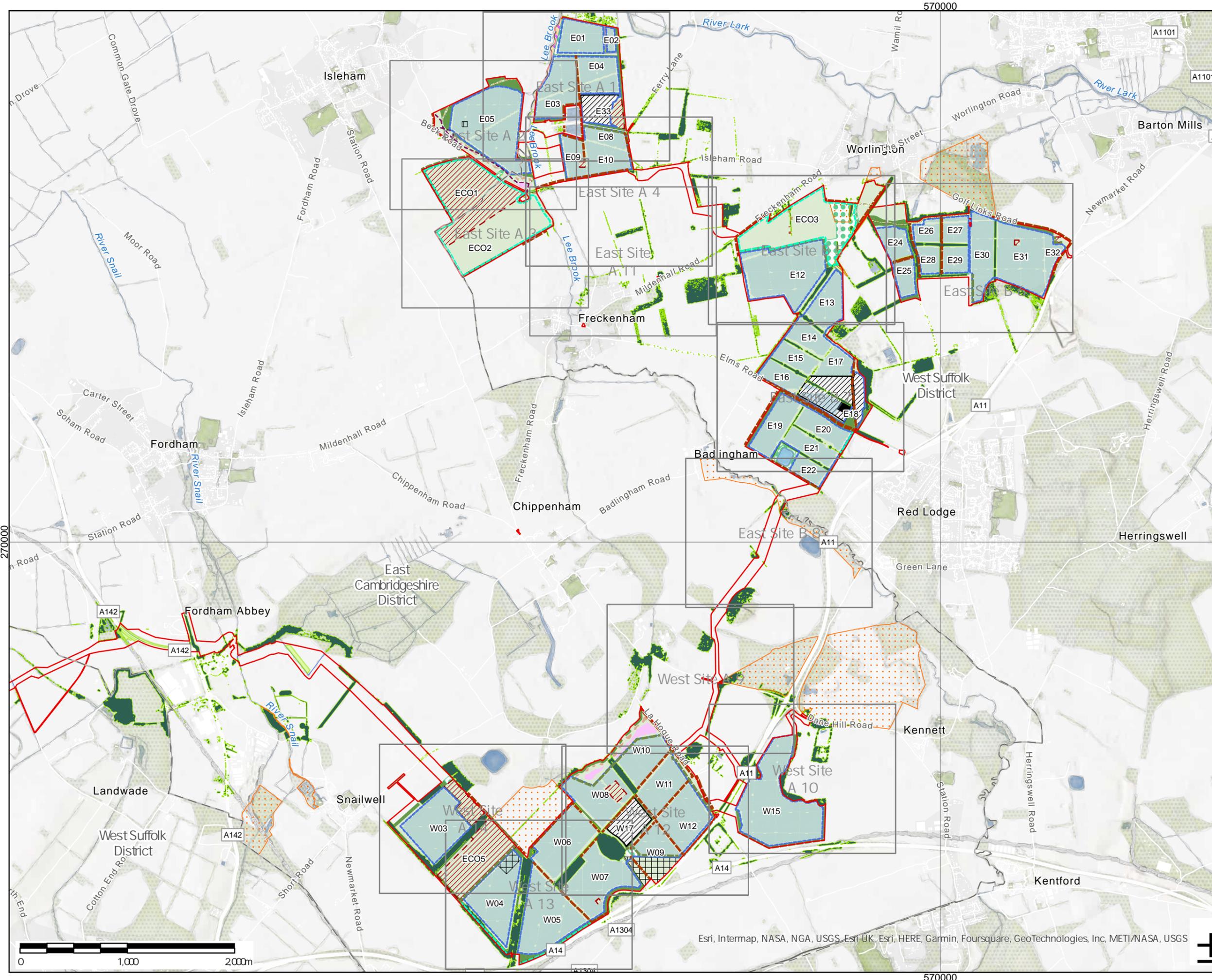
**Infrastructure Planning
(Examination Procedure) Rules 2010**

Sunnica Energy Farm

8.77 Environmental Masterplan (Zoomed In)

Planning Inspectorate Scheme Reference	EN010106
Application Document Reference	EN010106/APP/8.77
Author	Sunnica Energy Farm Project Team

Version	Date	Status of Version
Rev 00	13 January 2023	Submitted at Deadline 5
Rev 01	03 March 2023	Submitted at Deadline 7
Rev 02	24 March 2023	Submitted at Deadline 10



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LEGEND

District Boundary

Existing features

- Retained hedgerow
- Trees to be retained*
- Grassland
- Purple moor grass and rush pasture
- Waterbodies and watercourses
- County Wildlife Site
- Archaeological exclusion area
- Archaeological Constraints

Proposed Scheme features

- The Order Limits
- Security fence (up to 2.5m in height)
- Environmental fence
- Solar panels
- BESS and Substation
- Compound
- Self binding gravel
- Permissive Path

Proposed habitats

- Grassland
- Mixed scrub
- Woodland (new planting and natural regeneration, or inter-planting within existing vegetation)
- Rush pasture
- Native hedgerow; Species Rich

*please refer to the Arboricultural Impact Assessment for detailed information

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 NOTE: Document Reference: EN010106APP/6.3
 AFPP Regulation: 5(2)(a)

Existing vegetation along the Cable Route alignment which is required to be removed during the construction phase would be replaced with the same species.

Purpose of Issue
FOR DCO EXAMINATION

Client
SUNNICA LTD



Drawing Title
ENVIRONMENTAL MASTERPLAN OVERVIEW PLANS

KEY PLAN

Drawn TZ	Checked KA	Approved JR	Date 27/02/2023
AECOM Internal Project No. 60589004		Scale @ A3 1:32,000	

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File Name:



Parcel E01 Set back between 40m and 75m from meandering course of Lee Brook to retain its open setting towards the confluence with the River Lark.

Willow trees planted sporadically along the edge of the Lee Brook to improve the riparian corridor, whilst maintaining the condition of the existing grassland.

Linear belt of trees and shrubs (12-28 meters) proposed to the south of Parcel E03 to provide visual screening for residents of Lee Farm and separation from Parcels E09 to the south east and E05 to the south west.

Linear belt of trees and shrubs (10m) define the eastern edge of Parcel E05 to minimise impacts on Lee Brook.

Solar panel arrays set back minimum 12.5m from existing plantation woodland, which creates a natural buffer between Parcels E01, E02 and the River Lark to the north.

Linear belt of trees and shrubs (15m to 25m) extending along the eastern edge of Sunnica East Site A to maximise landscape integration and separation with East Site B, screening views from West Row and the River Lark to the north east. The distance from West Row is approximately 770m

Linear belt of trees and shrubs (10m) separating E01 and E02 to the north with E03 and E04 to the south and creating habitat connectivity with existing hedgerows.

Linear belt of trees and shrubs (15m to 25m) extending along the eastern edge of Sunnica East Site A to maximise landscape integration and separation with East Site B, screening views from West Row and the River Lark to the north east. The distance from West Row is approximately 770m

Linear belt of trees and shrubs (15m) and hedgerow planting to strengthen existing vegetation patterns, to enclose the BESS and substation and enhance habitat connectivity.

Existing grassland reinstated following construction

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- District Boundary
- Existing features**
- Retained hedgerow
- Public Right of Way (PRoW)
- Trees to be retained*
- Veteran trees
- Grassland
- Purple moor grass and rush pasture
- Scrub
- Waterbodies and watercourses
- Archaeological Constraints
- Proposed Scheme features**
- Proposed tree
- The Order Limits
- Security fence (up to 2.5m in height)
- Solar panels
- Self binding gravel
- Permissive Path
- BESS and substation
- Proposed habitats**
- Grassland - lowland calcareous grassland
- Grassland - modified grassland
- Grassland - other lowland acid grassland
- Grassland - other neutral grassland
- Mixed scrub
- Woodland - see notes for type
- Native hedgerow; species rich
- Indicative SuDs features

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NOTE:
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Existing vegetation along the Cable Route alignment which is required to be removed during the construction phase will be replaced with the same species.

Purpose of Issue
FOR DCO EXAMINATION

Client
SUNNICA LTD



Drawing Title
**ENVIRONMENTAL MASTERPLAN
DETAILED PLANS
SHEET 1
EAST SITE A**

Drawn TZ	Checked KA	Approved JR	Date 24/02/2023
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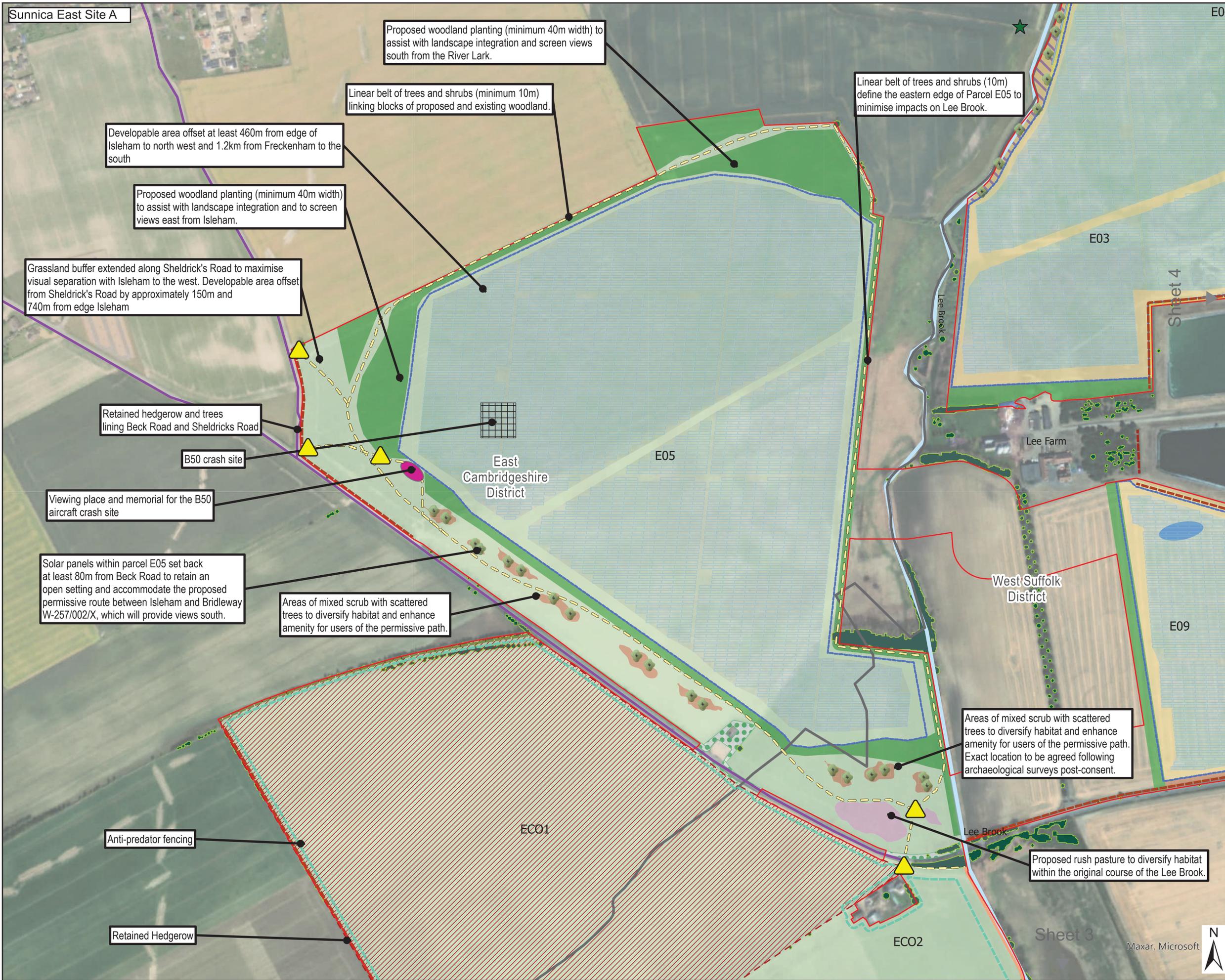
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Maxar, Microsoft



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LEGEND

District Boundary

Existing features

- Retained hedgerow
- Public Right of Way (PRoW)
- Roads used for recreation
- Trees to be retained*
- Veteran trees
- Grassland
- Purple moor grass and rush pasture
- Scrub
- Waterbodies and watercourses
- Archaeological Constraints
- Archaeological exclusion area
- Interpretation signage

Proposed Scheme features

- Proposed trees
- The Order Limits
- Security fence (up to 2.5m in height)
- Solar panels
- Environmental fence
- Permissive Path
- Self binding gravel
- Memorial place for B50 crash site

Proposed habitats

- Grassland - lowland calcareous grassland
- Grassland - modified grassland
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- Woodland - see notes for type
- Rush pasture
- Native hedgerow; Species rich
- Indicative SuDs features

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Purpose of Issue
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Client
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Drawing Title
**ENVIRONMENTAL MASTERPLAN
DETAILED PLANS
SHEET 2
EAST SITE A**

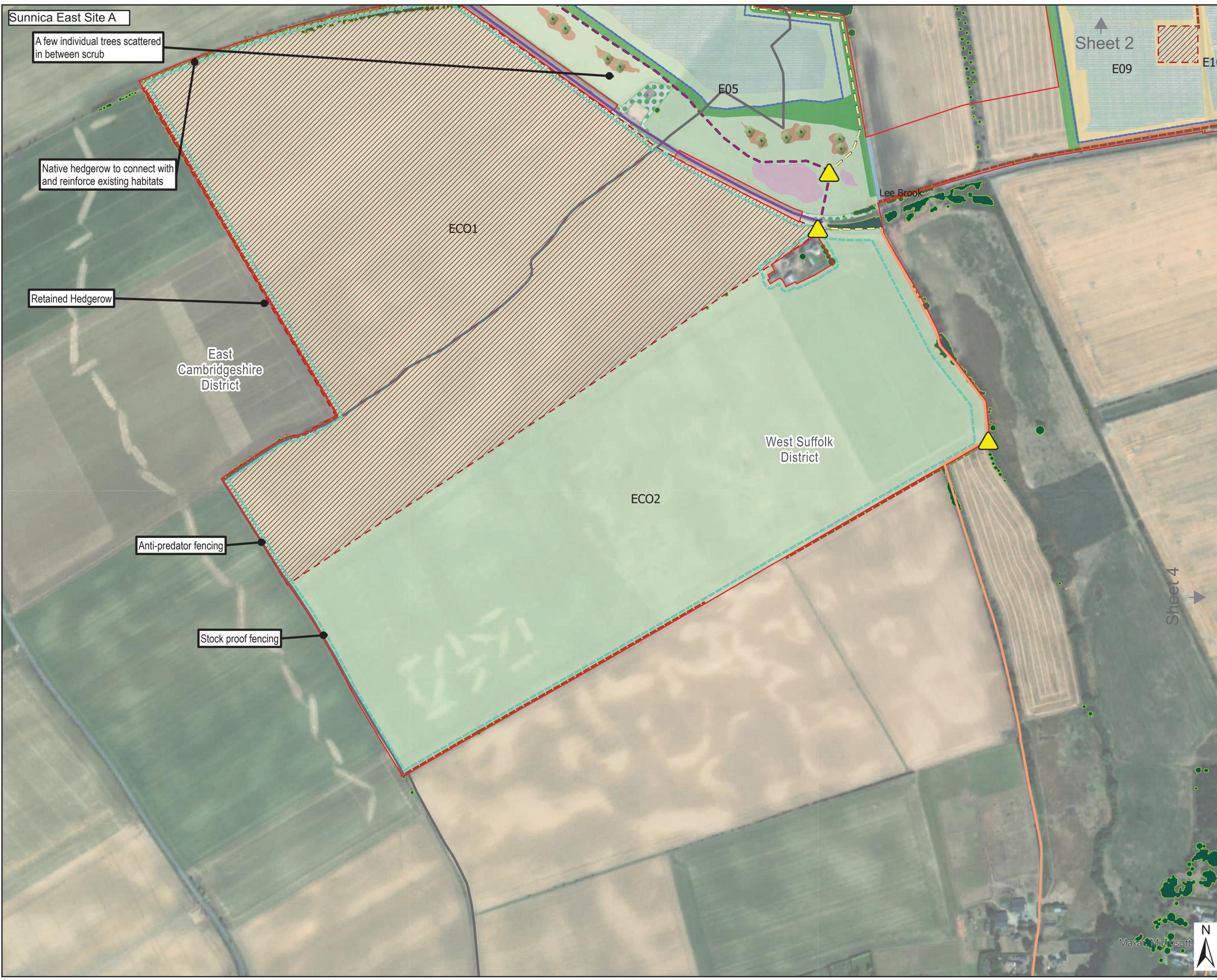
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Sunnica East Site A

A few individual trees scattered in between scrub

Native hedgerow to connect with and reinforce existing habitats

Retained Hedgerow

East Cambridgeshire District

Anti-predator fencing

Stock proof fencing

ECO1

ECO2

West Suffolk District

E05

Lee Brook

Sheet 2
E09

Sheet 4

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LEGEND

Existing features

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- Roads used for recreation
- Trees to be retained*
- Grassland
- Waterbodies and watercourses
- Archaeological Constraints

Proposed Scheme features

- Proposed trees
- The Order Limits
- Security fence (up to 2.5m in height)
- Solar panels
- Environmental fence
- Permissive Path
- Self binding gravel

Proposed habitats

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Drawing Title
**ENVIRONMENTAL MASTERPLAN
DETAILED PLANS
SHEET 3
EAST SITE A**

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LEGEND

District Boundary

Existing features

- Retained hedgerow
- Public Right of Way (PRoW)
- Roads used for recreation
- Trees to be retained*
- Grassland
- Scrub
- Waterbodies and watercourses
- Archaeological Constraints
- Interpretation signage

Proposed Scheme features

- Proposed trees
- The Order Limits
- Security fence (up to 2.5m in height)
- BESS and substation
- Solar panels
- Environmental fence
- Permissive Path

Proposed habitats

- Grassland - lowland calcareous grassland
- Grassland - modified grassland
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- Woodland - see notes for type
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- Native hedgerow; Species rich
- Indicative SuDs features

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SUNNICA LTD



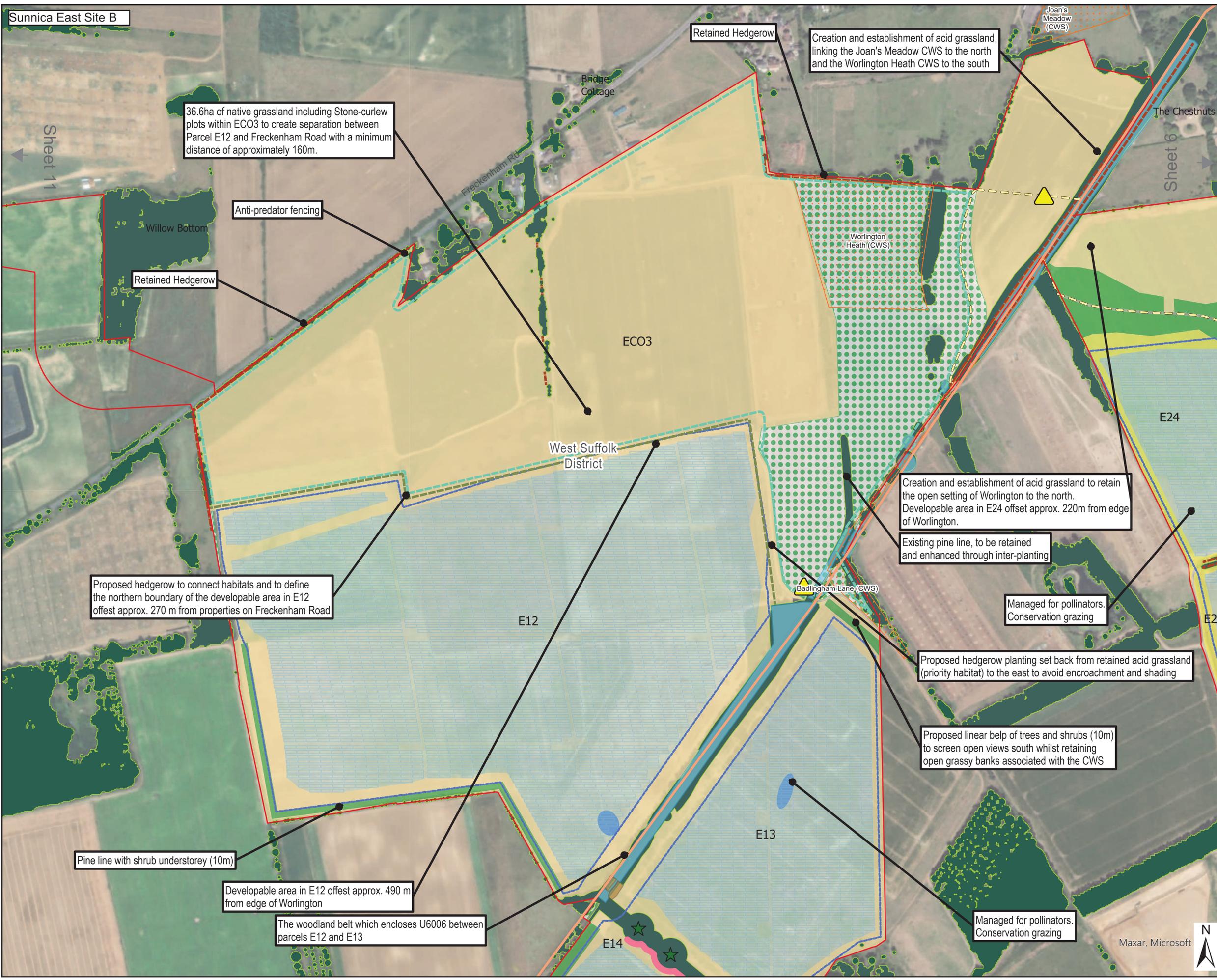
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**ENVIRONMENTAL MASTERPLAN
DETAILED PLANS
SHEET 4
EAST SITE A**

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LEGEND

District Boundary

Existing features

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- Public Right of Way (PRoW)
- Trees to be removed*
- Trees to be retained*
- Veteran trees
- Tree Preservation Order
- Grassland
- County Wildlife Site
- Interpretation signage

Proposed Scheme features

- The Order Limits
- Security fence (up to 2.5m in height)
- Solar panels
- Environmental fence
- Permissive Path
- Arable flora strips

Proposed habitats

- Grassland - lowland calcareous grassland
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Drawing Title
**ENVIRONMENTAL MASTERPLAN
 DETAILED PLANS
 SHEET 5
 EAST SITE B**

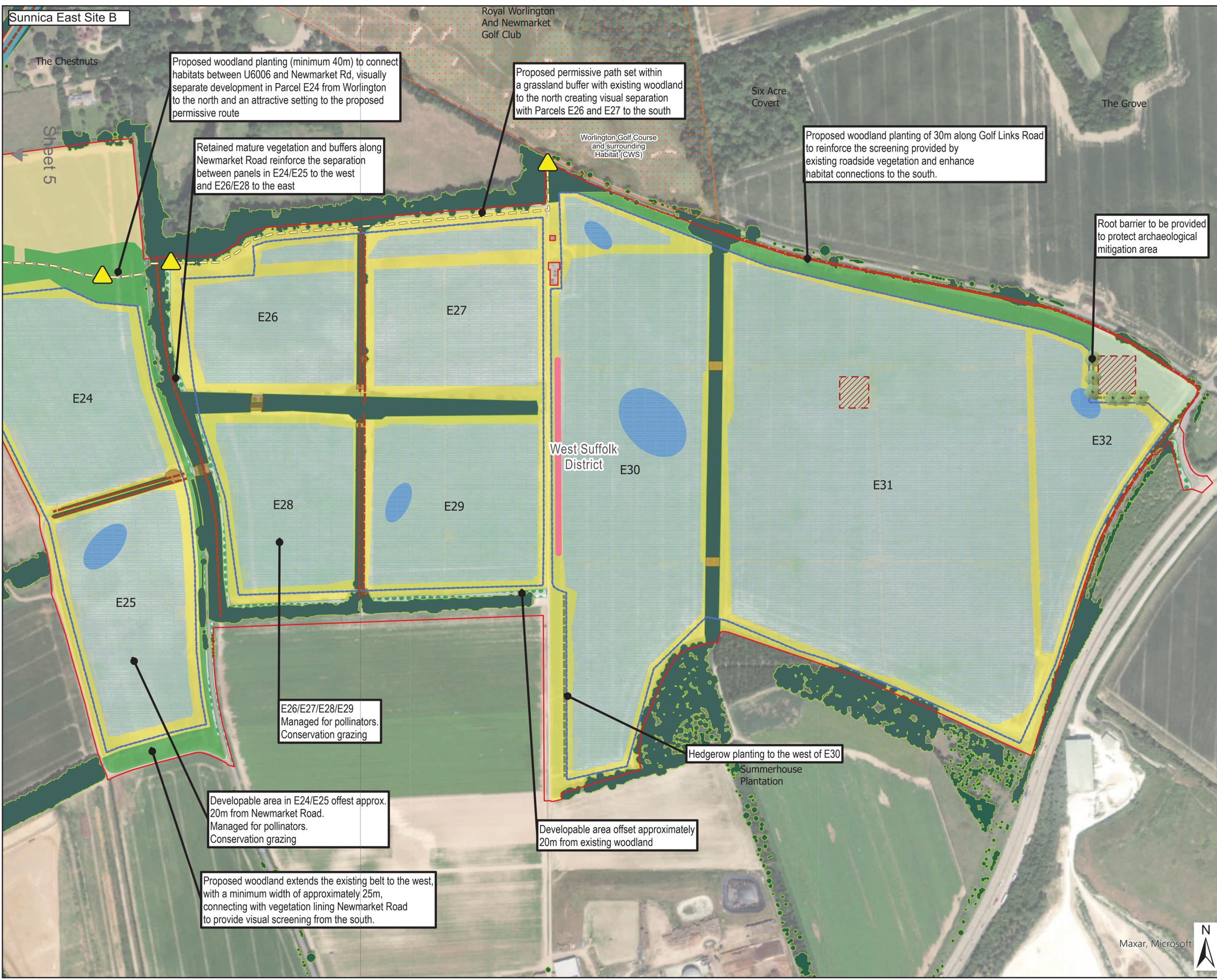
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Sunnica East Site B

Proposed woodland planting (minimum 40m) to connect habitats between U6006 and Newmarket Rd, visually separate development in Parcel E24 from Worlington to the north and an attractive setting to the proposed permissive route

Proposed permissive path set within a grassland buffer with existing woodland to the north creating visual separation with Parcels E26 and E27 to the south

Retained mature vegetation and buffers along Newmarket Road reinforce the separation between panels in E24/E25 to the west and E26/E28 to the east

Proposed woodland planting of 30m along Golf Links Road to reinforce the screening provided by existing roadside vegetation and enhance habitat connections to the south.

Root barrier to be provided to protect archaeological mitigation area

E26/E27/E28/E29
Managed for pollinators.
Conservation grazing

Developable area in E24/E25 offset approx. 20m from Newmarket Road.
Managed for pollinators.
Conservation grazing

Proposed woodland extends the existing belt to the west, with a minimum width of approximately 25m, connecting with vegetation lining Newmarket Road to provide visual screening from the south.

Developable area offset approximately 20m from existing woodland

Hedgerow planting to the west of E30

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 - Archaeological Constraints
 - Interpretation signage
- Proposed Scheme features
 - Proposed trees
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*please refer to the Arboricultural Impact Assessment for detailed information

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FOR DCO EXAMINATION

Client
SUNNICA LTD

Project Title
sunnica energy farm

Drawing Title
ENVIRONMENTAL MASTERPLAN DETAILED PLANS SHEET 6 EAST SITE B

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