



One Earth Solar Farm

Volume 6.0 Environmental Statement [EN010159]

Volume 3: Technical Appendices Supporting ES Volume 2

Appendix 10.2 Cultural Heritage Desk-Based Assessment

February 2025

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- Reg 5 (2) (a)

One Earth Cultural Heritage

Desk Based Assessment

FEBRUARY 2025

On behalf of One Earth Ltd



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Assessment of Significance

Methodology and Background

1 Assessment of Significance: Methodology and Background

Purpose of the Report and Structure

- 1.1
- This report has been produced as a technical summary on cultural heritage matters and forms part of the EIA requirements. It aims to provide an understanding on the baseline cultural heritage conditions and an assessment on potential effects. The assessment is conducted by:

1.

Illustrating the baseline conditions of the study area against zones of theoretical visibility (ZTV) and the Site boundary;

2.

Providing an understanding of the significance (value/ sensitivity) of built heritage assets scoped in for assessment, including the contribution that setting makes to significance;

3.

Completing an assessment on the magnitude of impact (harm) of the Proposed Development.

1.2

The report is split into 2 parts:

Part 1: Setting out the baseline conditions of the Site and surrounding area.

Part 2: Identifying and describing the contribution of setting to the significance of heritage assets scoped in for assessment, and undertaking an assessment on the potential effects.

1.3

Part 2 is organised by designated and non-designated heritage asset type and arranged via settlement.

The settlements containing designated assets scoped in for assessment include:

•

Darlton

•

East Drayton

•

Dunham on Trent

•

Fledborough

•

High Marnham

•

Low Marnham

•

Newton on Trent

•

Normanton on Trent

•

North Clifton

•

Ragnall

•

Skegby

•

South Clifton

•

Thorney

•

Darlton

•

Dunham on Trent

•

Fledborough

•

High Marnham

•

Newton on Trent

•

North Clifton

•

Ragnall

•

Thorney

•

South Clifton

Methodology

- 1.4
- Full understanding on the methodology that has informed the approach of this technical summary is detailed in the supporting ES Chapter.

1.5

The adopted methodology has followed Historic England’s ‘5 Step Process’ to assessment. Specifically, for the production of this Technical Appendix, purposes 1 -3 have been relevant and include:

•

Step 1: Identify which heritage assets and their settings are affected.

•

Step 2: Assess the degree to which these assets make a contribution to the significance of the heritage asset (s) or allow significance to be appreciated

- **Step 3:** Assess the effects of the Proposed Development
- **Step 4 and 5** are addressed within the supporting ES Chapter

- 1.6
- Further reference on significance (value) as been gained the relevant paragraphs within Section 16 of the NPPF and definitions set out within the PPG which include:

Historic Interest

Architectural/artistic interest

Archaeological Interest

1.7

The chosen scope of assessment has been informed through extensive summer and winter site visits, and supplemented by desk based research and analysis that includes GIS and the production of ZTVs at various distances

1.8

The following resources were used to understand significance (value) and the contribution made by setting:

•

National Heritage List for England (NHLE, Historic England) for data on nationally designated heritage assets

•

Nottinghamshire County Council Historic Environment Record (HER)

•

Bassetlaw’s Database of Non Designated Heritage Assets (2019) and Unregistered Parks and Gardens (2017)

•

Lincolnshire County Council Historic Environment Record (HER)

•

Historic cartography, including national Ordnance Survey maps and local 19th century Tithe Maps.

•

Historic Landscape Characterisation Project for Lincolnshire (English Heritage and Lincolnshire County Council, 2011);

•

Newark and Sherwood Landscape Character Study, Appendix R Landscape History (Newark and Sherwood District Council, 2013); and

•

Bassetlaw Landscape Character Assessment (Bassetlaw District Council, 2009).

1.9

Historic cartography, including national Ordnance Survey maps and local 19th century Tithe Maps have also informed the baseline understanding on the historic representation of the current landscape and its uses.

Finalised Study Area

- 1.10
- A study area of 2km has been identified for built heritage assets. Within this study area, non-designated heritage assets (‘NDHA’) are considered within a 1km radius only. A more selective approach has been taken to designated assets beyond 1km, following initial analysis of their value, setting and contribution of the Site to setting. This allows for consideration of all built heritage assets whose value and setting may be affected, albeit in a proportionate manner in line with NPS EN-1 paragraph 5.8.8. This scope has now been presented to, and agreed with, the key heritage stakeholders, and full details of the scoping exercise undertaken can be found within the Cultural Heritage ES Chapter.

1.11

This provides the following break down on scoped in heritage assets:

Type	Quantity within 1KM	Quantity Between 1km and 2km
Scheduled Monument	2	1
Grade I	3	1
Grade II*	6	0
Grade II	48	5
Conservation Areas	1	1
Non Designated	66	0




- 1.12
- The work undertaken has been authored by Hugo Tomassi BA (Hons) MSt(Cantab) - Senior Consultant, and Georgia Foy MA MAUD IHBC - Associate Director, with review from Laurie Handcock MA(Cantab) MSc IHBC MCifA - Director.

1 Assessment of Significance: Methodology and Background






Baseline Condition of Designated Heritage Assets

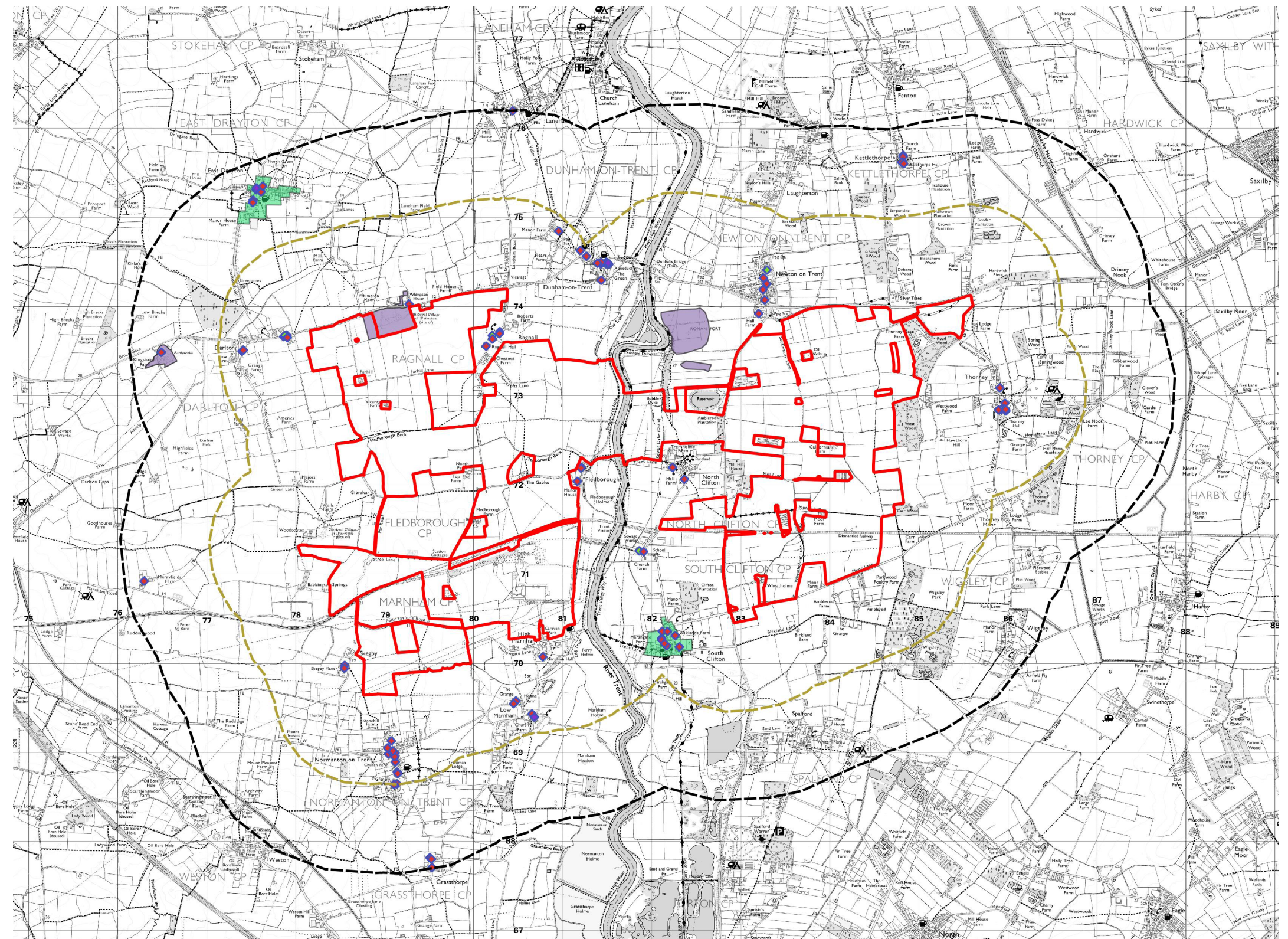
- This image shows the current baseline condition of designated heritage assets and their relative location to the Site on a 1:25000 scale OS Map
- The map is further illustrated with 1km and 2km buffers.

Legend

-  Site outline
-  2km radius
-  1km radius

Listed buildings:

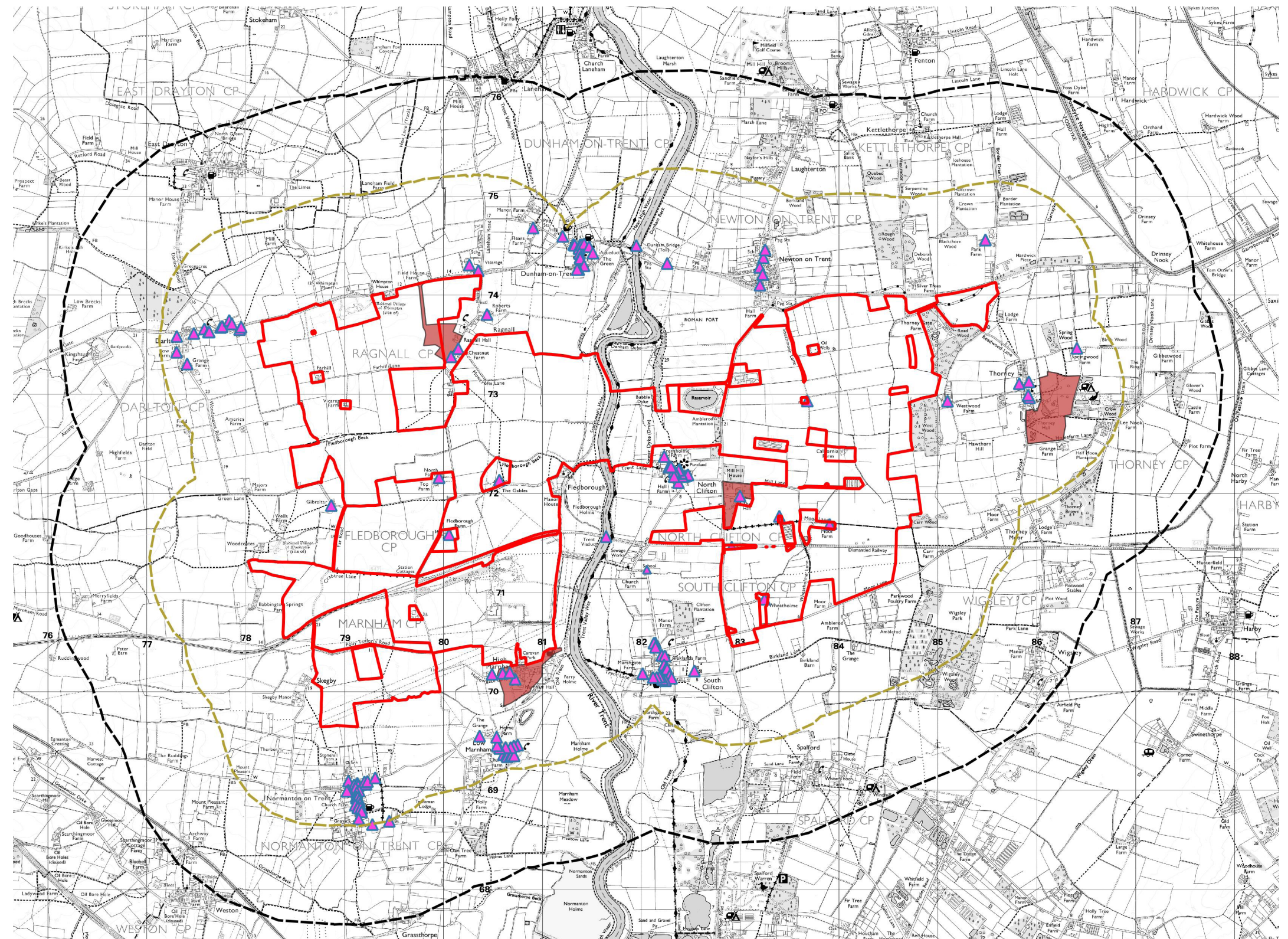
-  Grade I
-  Grade II
-  Grade II*
-  Conservation areas
-  Scheduled monuments



1 Assessment of Significance: Methodology and Background

Baseline Conditions Non-Designated Heritage Assets

- This image shows the current baseline condition of non-designated heritage assets and their relative location to the Site on a 1:25000 scale OS Map
- The map is further illustrated with 1km and 2km buffers.



Legend

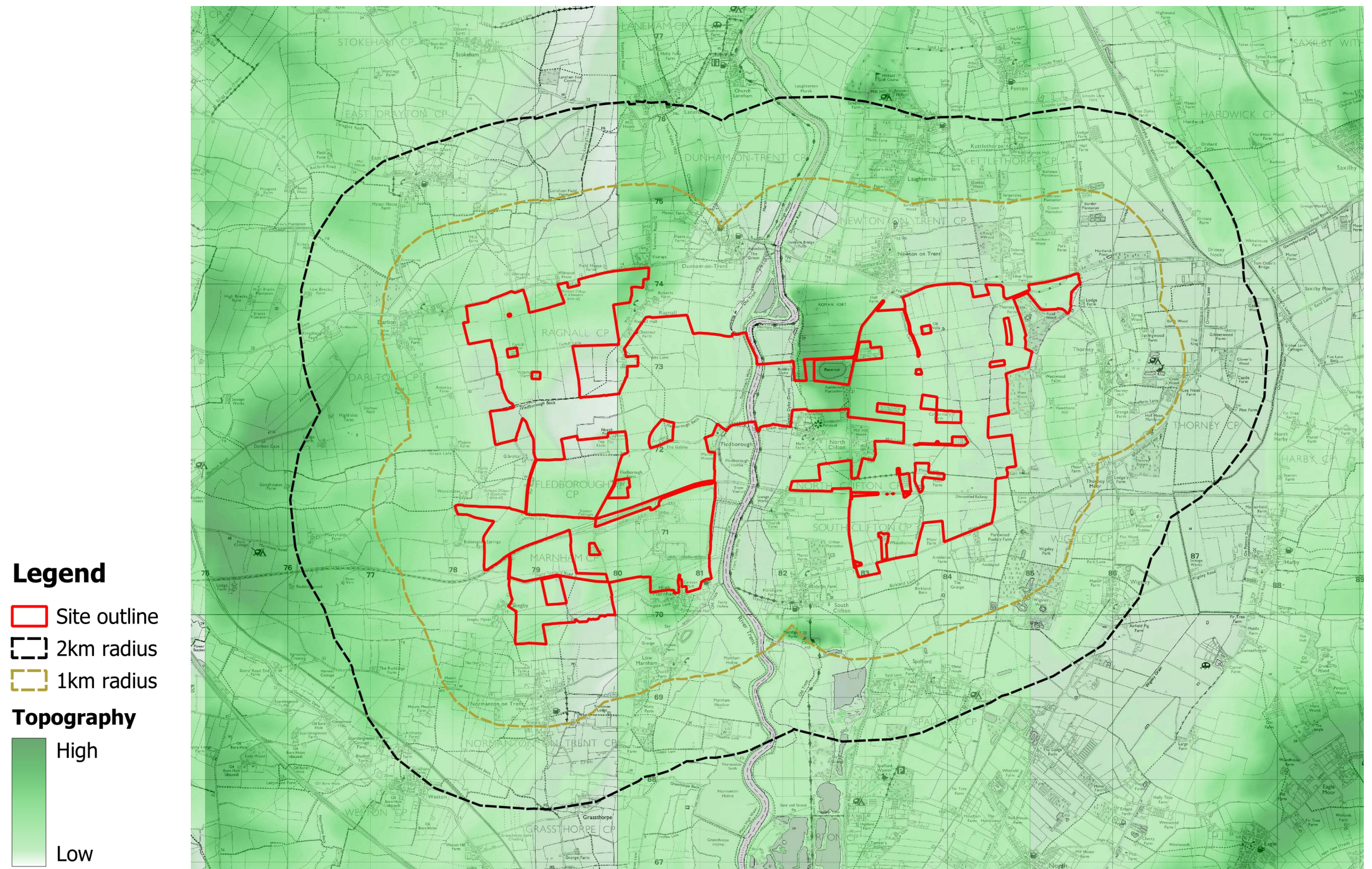
- Site outline
- 2km radius
- 1km radius
- Unregistered Park & Garden
- Non-designated heritage asset

Assessment of Significance

Background Information

2 Background

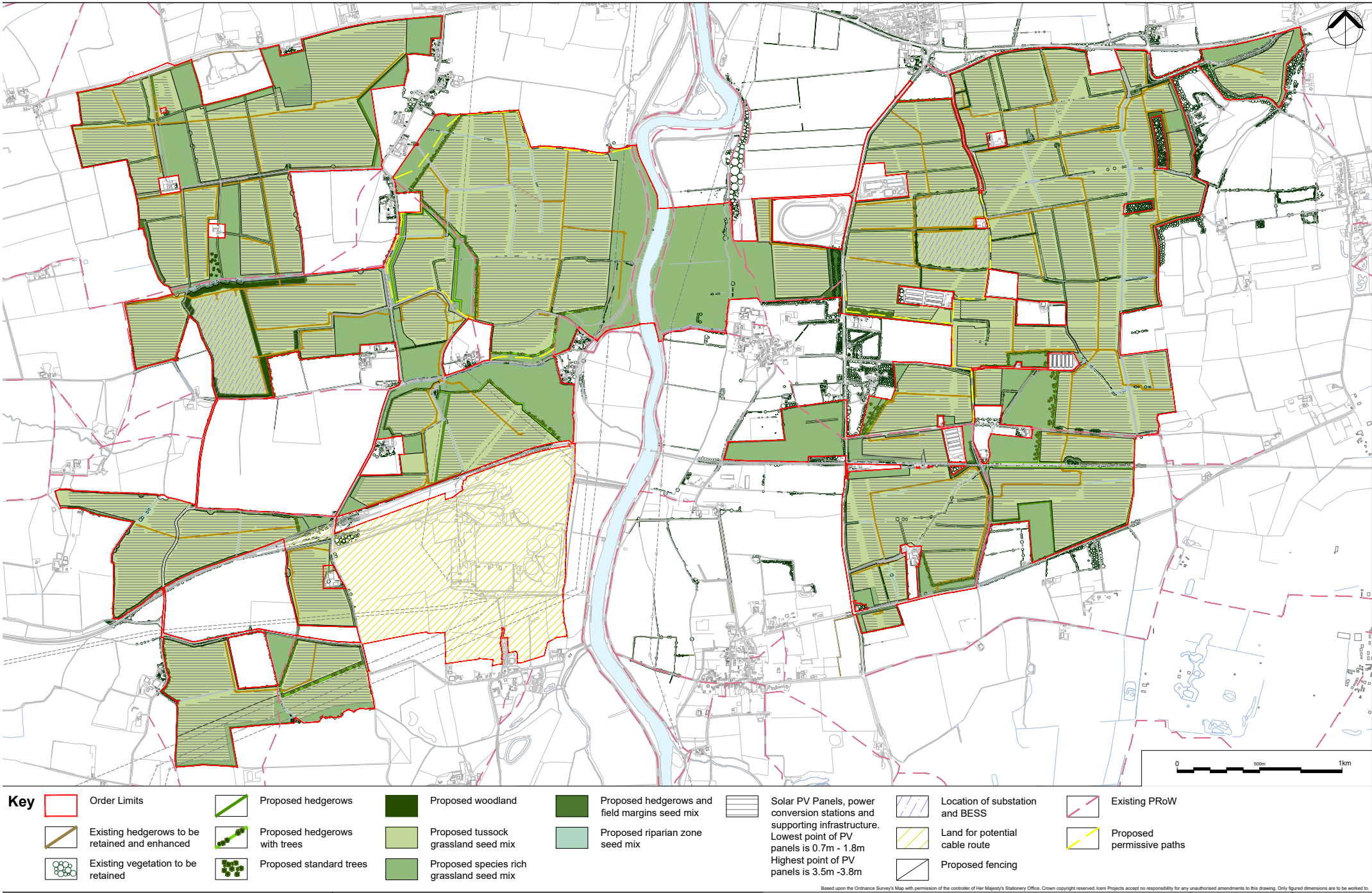
Topography Survey



1 Assessment of Significance: Methodology and Background

Illustrative Master-plan

- This image shows the illustrative master-plan of the Proposed Development in context to the existing landscape.



2 Background

Designated Heritage Asset ZTV

2.1 The Zone of Theoretical Visibility has been generated using EA 2m Digital Terrain Model. The viewshed output included existing buildings up to 9m in height and woodland up to 12m in height. The ZTV has been generated based upon an observers eye level of 1.60m, and is based on 3.5m high points spaced evenly on the 50 on 50m grid within the Proposed Development Areas.

Legend

- Site outline
- 2km radius
- 1km radius

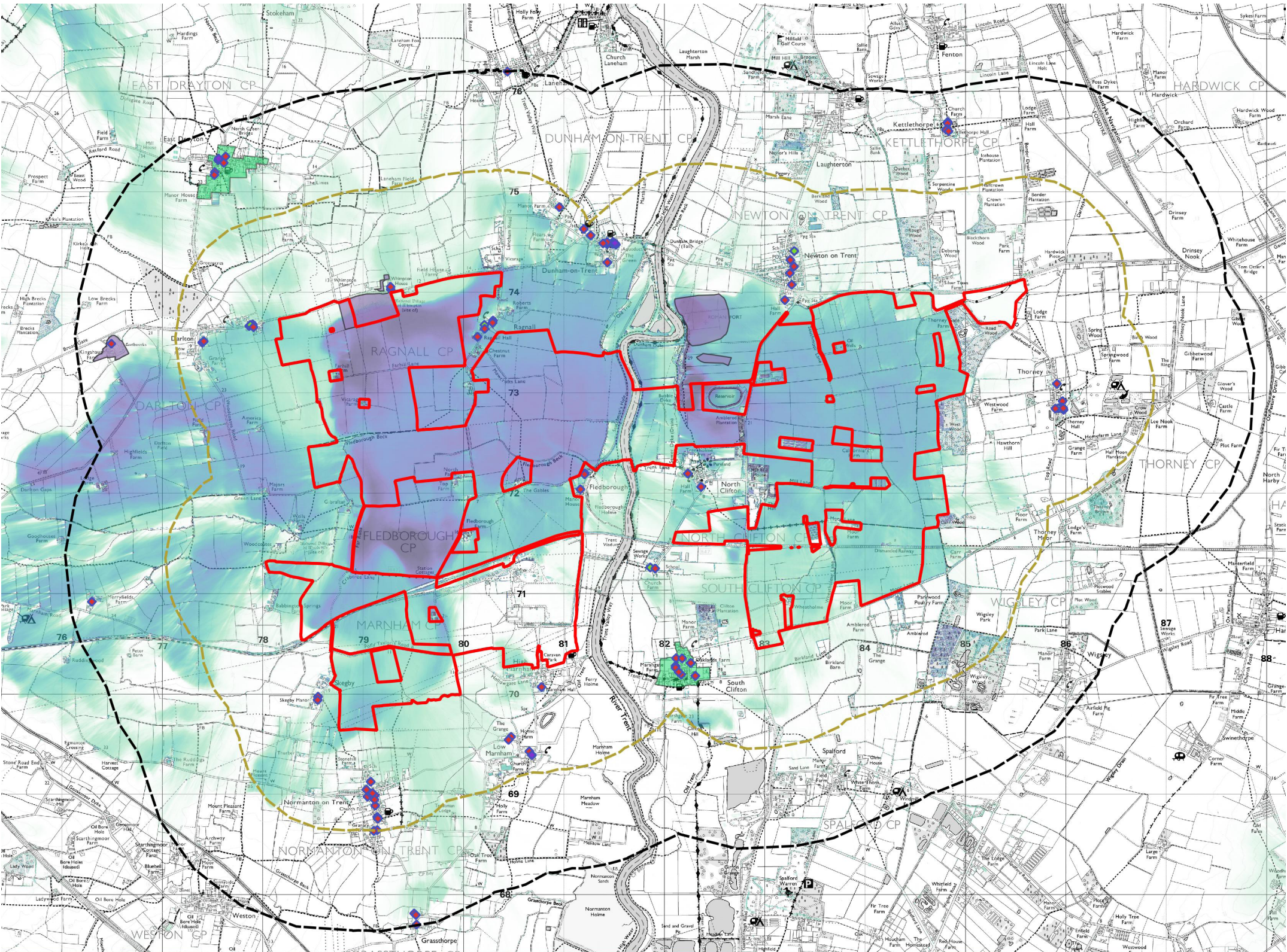
Listed buildings:

- Grade I
- Grade II
- Grade II*

- Conservation areas
- Scheduled monuments

Zone of Theoretical Visibility

- High theoretical visibility
- Low theoretical visibility



2 Background

Non-Designated Heritage Asset ZTV

2.2 The Zone of Theoretical Visibility has been generated using EA 2m Digital Terrain Model. The viewshed output included existing buildings up to 9m in height and woodland up to 12m in height. The ZTV has been generated based upon an observers eye level of 1.60m, and is based on 3.5m high points spaced evenly on the 50 on 50m grid within the Proposed Development Areas.

Legend

- Site outline
- 2km radius
- 1km radius
- Unregistered Park & Garden
- Non-designated heritage asset

Zone of Theoretical Visibility

- High theoretical visibility
- Low theoretical visibility

