



# EAST PARK ENERGY

**East Park Energy**

EN010141

**Environmental Statement**

**Volume 3 - Figures**

Chapter 5 Figures – Landscape and Visual

Part 1 of 14

**Document Reference: EN010141/DR/6.3**

Infrastructure Planning (Applications: Prescribed Forms and  
Procedure) Regulations 2009: Regulation 5(2)(a)

**September 2025**

Version P01

# EAST PARK ENERGY

Planning Act 2008

Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009

## Environmental Statement Volume 3 – Figures

### Chapter 5 Figures Part 1 of 14

<b>APFP Regulation Reference:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference:</b>	EN010141
<b>Application Document Number:</b>	EN010141/DR/6.3
<b>Author:</b>	Axis PED Ltd

Version	Date	Status
P01	September 2025	DCO Submission

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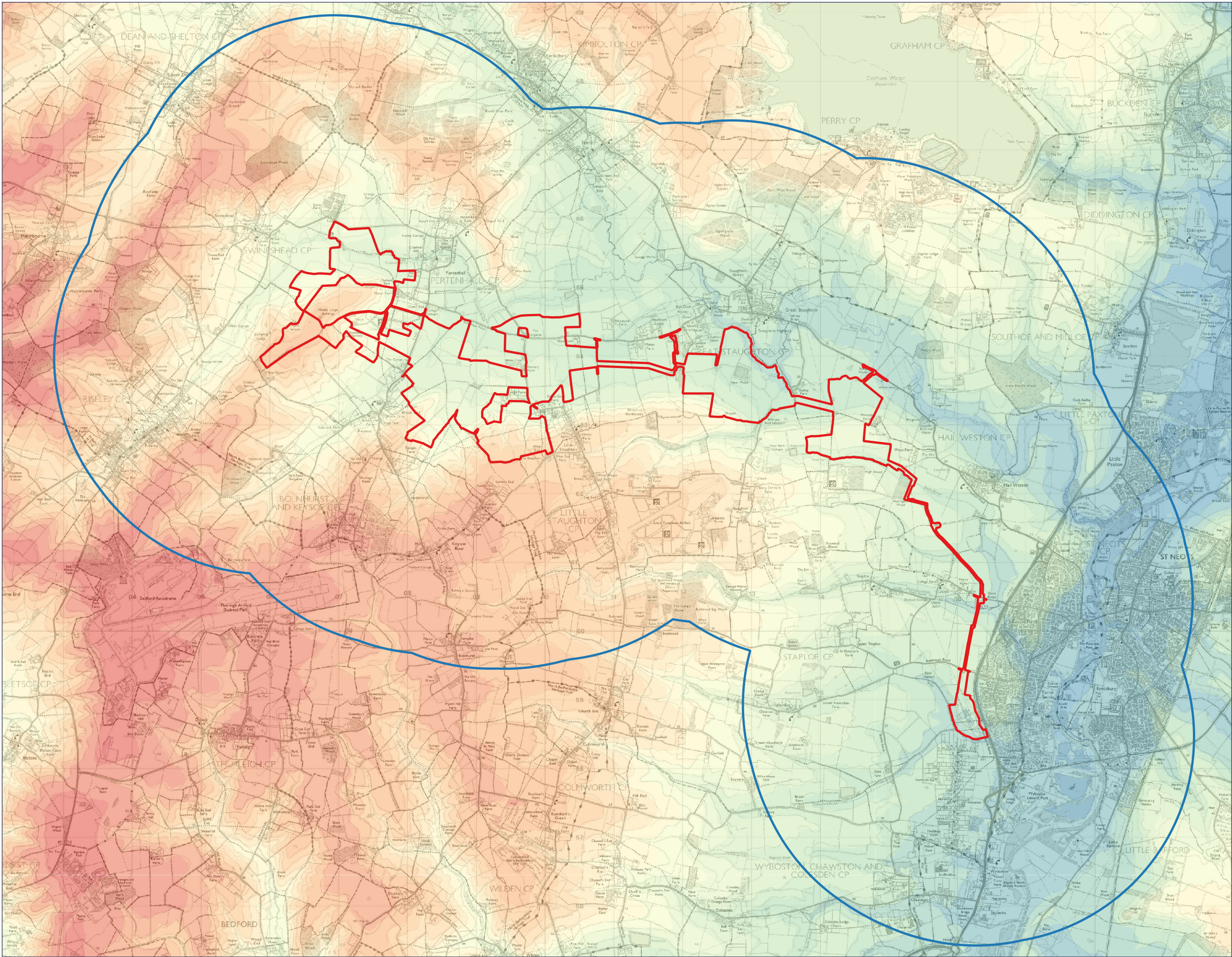


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## ES Volume 3 – Chapter 5 Figures:

<b>Figure 5-1</b>	Topography (Rev P01)
<b>Figure 5-2a</b>	National Character Areas (Rev P01)
<b>Figure 5-2b</b>	Local Landscape Character Areas (Rev P01)
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Rev	Date	Comment
P01	22/09/25	DCO Application

- Order Limits
- 3km Radius around Scheme
- Boundary (LVIA Study Area)

Topography (metres above ordnance datum):

- <= 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90
- > 90



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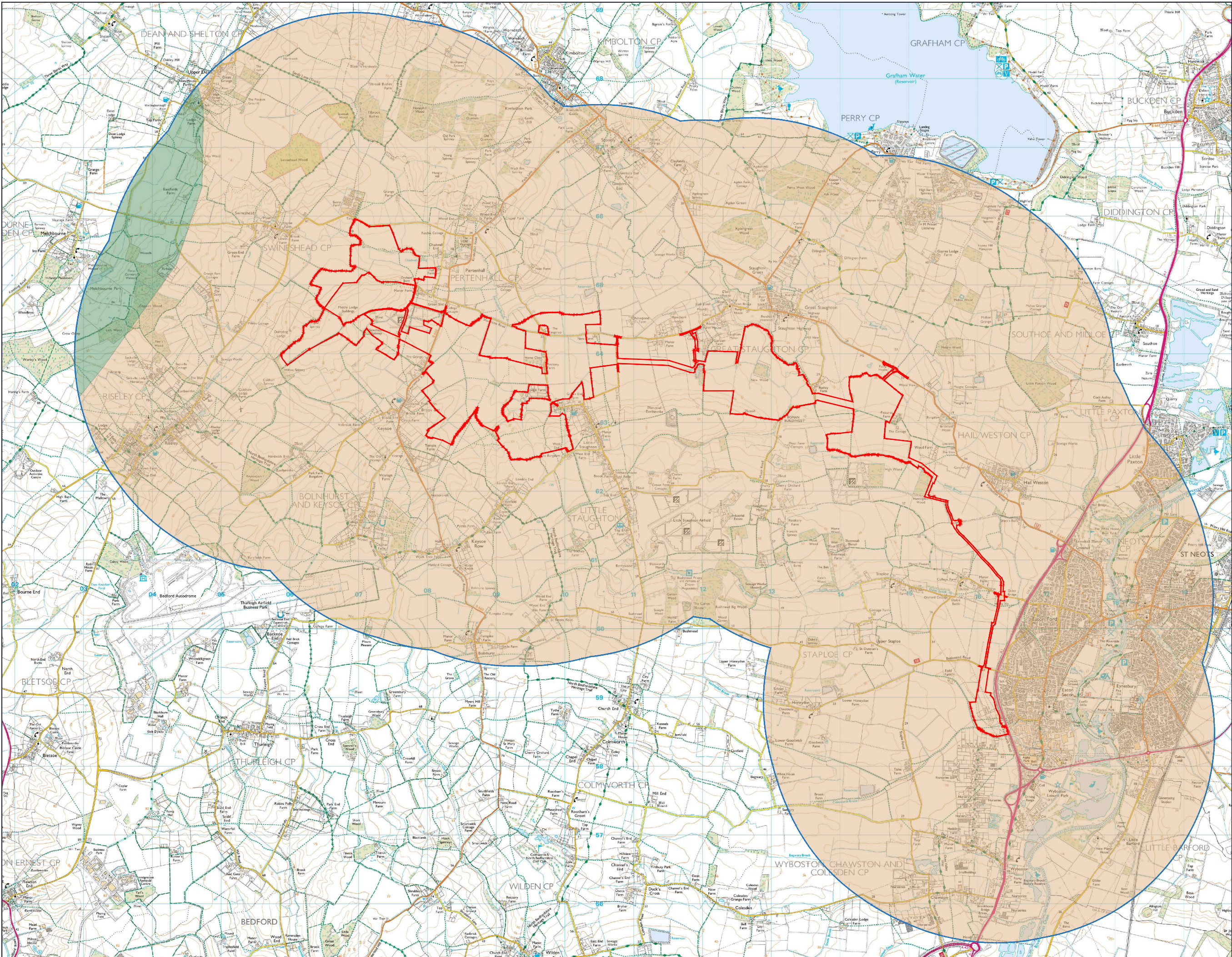
Client  
**BSSL Cambsbed 1 Ltd**  
Project  
**East Park Energy**  
Drawing Title

Topography  
Scale  
**1:50000@A3**  
APFP Reference  
**Regulation 5(2)(a)**  
Status  
**DCO Application**  
Submission Reference  
**EN010141/DR/6.3**

Dwg no  
**Figure 5-1**  
Rev  
**P01**







Rev	Date	Comment
P01	22/09/2025	DCO Application

- Order Limits
- 3km radius around Scheme Boundary (LVIA Study Area)
- Natural England National Character Areas:**

NCA 88: Bedfordshire and Cambridgeshire Claylands

LCA 91: Yardley-Whittlewood Ridge



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National Character Areas

Scale  
**1:50,000 @ A3**

DCO Application

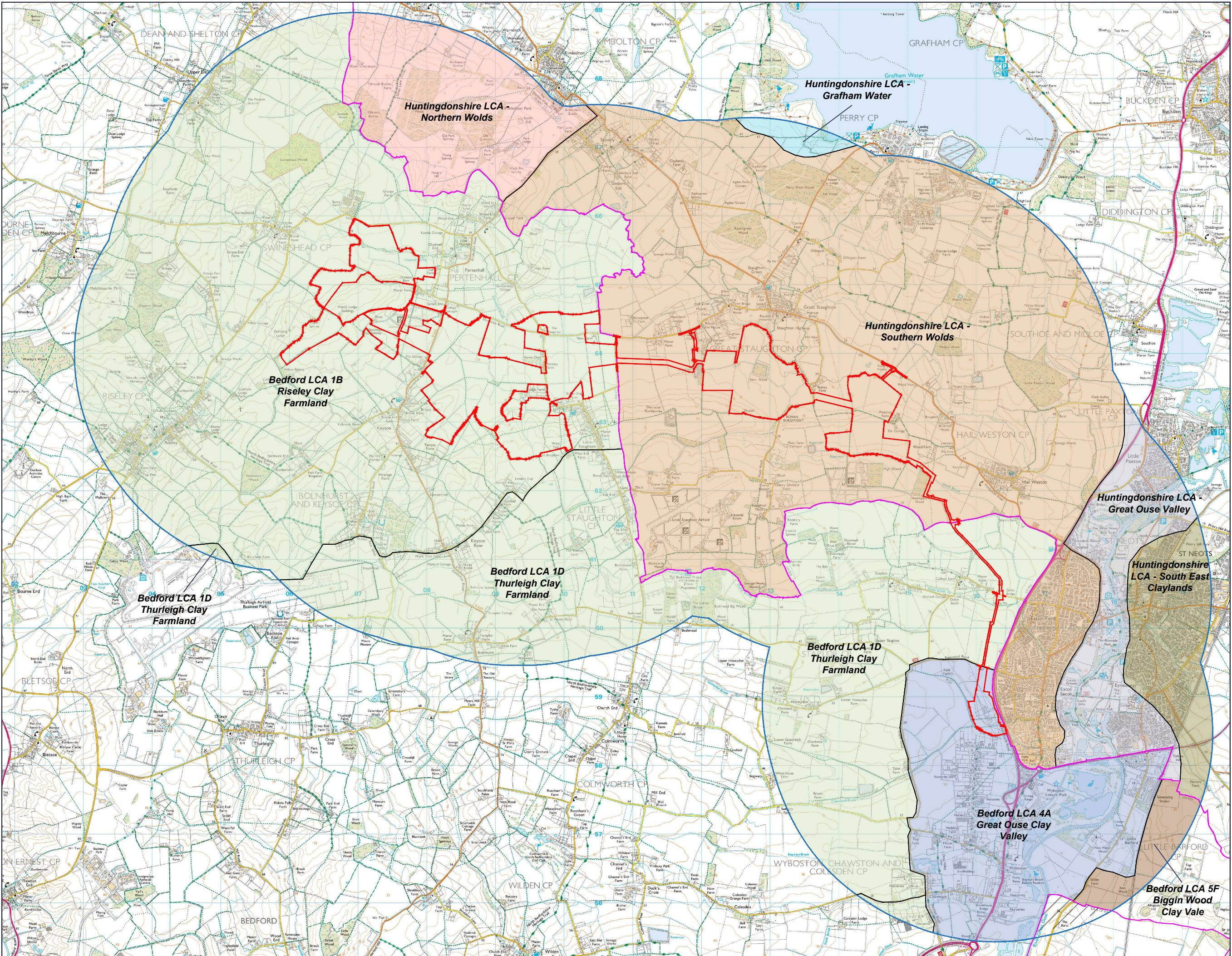
APFP Reference  
**Regulation 5(2)(a)**

Submission Reference  
**EN010141/DR/6.3**

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Rev	Date	Comment
P01	22/09/2025	DCO Application

- Order Limits
- 3km radius around Scheme Boundary (LVIA Study Area)
- Local Authority Boundary

Central Bedfordshire (not reviewed)

#### Bedford Borough Landscape Character Assessment 2020:

- Landscape Character Area (LCA) 1B: Riseley Clay Farmland
- LCA 1D: Thurleigh Clay Farmland
- LCA 4A: Great Ouse Clay Valley
- LCA 5F Biggin Wood Clay Vale

#### Huntingdonshire Landscape and Townscape SPD 2022:

- LCA - Southern Wolds
- LCA - Northern Wolds
- LCA - Grafham Water
- LCA - Great Ouse Valley
- LCA - South East Claylands



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#### Local Landscape Character Areas

Scale	Status
1:50,000 @ A3	DCO Application
APFP Reference	Submission Reference
Regulation 5(2)(a)	EN010141/DR/6.3

Dwg no  
Figure 5-2b

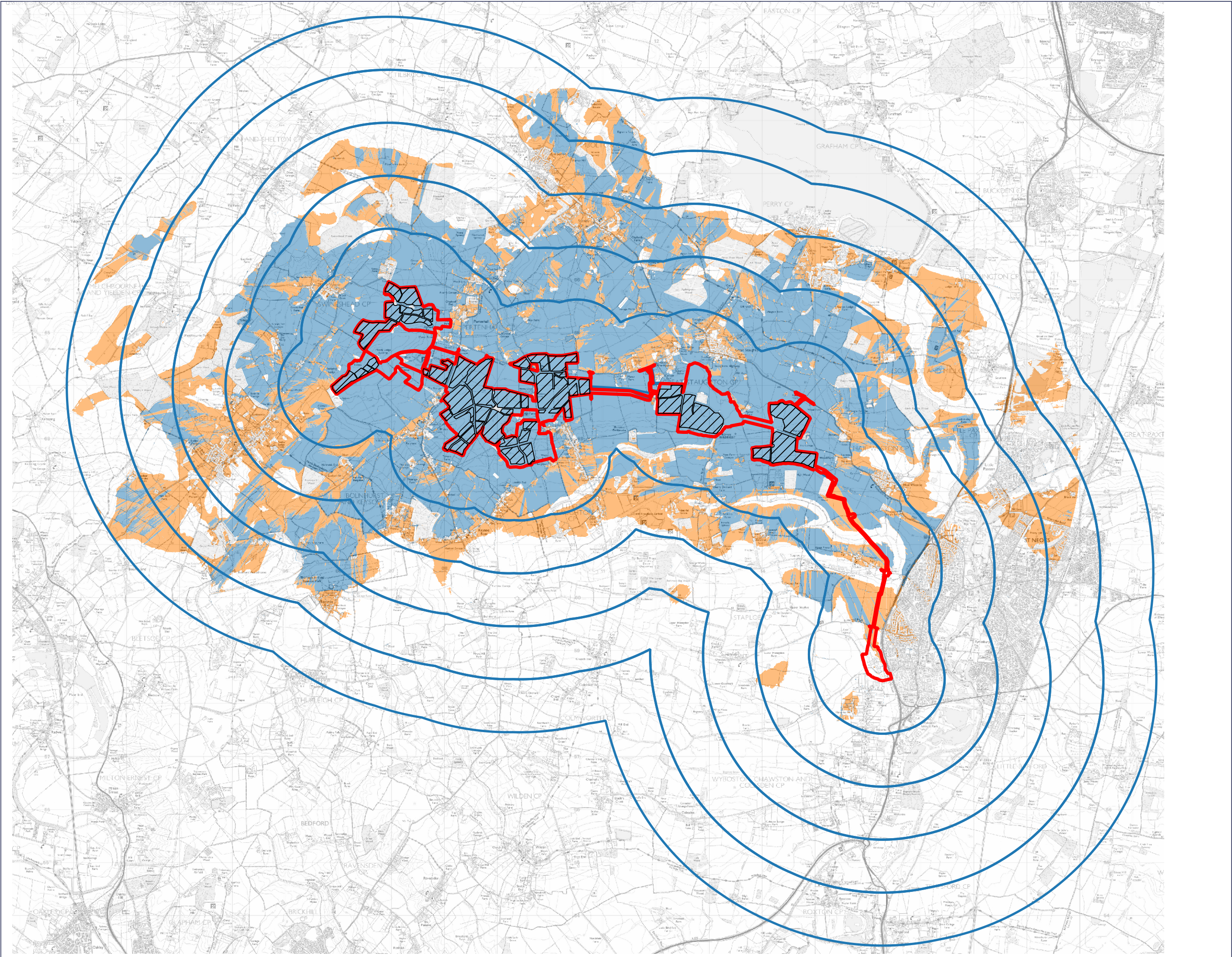
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Rev  
P01





Rev	Date	Comment
P01	22/09/25	DCO Application

-  Order Limits
-  1km distance markers from the Site
-  Location of Solar Array and Transformers
-  Theoretical Visibility of 3.15m high structures (DSM)
-  Theoretical Visibility of 3.15m high structures (DTM)

NOTES:

1. Separate Zones of Theoretical Visibility have been generated using Environment Agency 2m First Return LIDAR Digital Surface Model (DSM) data (which takes account of screening features in the landscape, such as vegetation and structures), and Environment Agency 2m LIDAR Digital Terrain Model (DTM) data (which is a bare earth model based upon landform only).
2. ZTV generation has allowed for curvature of the earth and light refraction.
3. ZTV has been generated based upon an observer eye height of 1.7m above ground level.
4. Height of proposed solar array would be 3m and height of proposed transformers would be 3.15m. The ZTV modelling has assumed a height of 3.15m to reflect the visibility of the tallest structures.



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**5km Zone of Theoretical Visibility (Solar Array and Transformers)**

Scale  
**1:65000@A3**

DCO Application

APFP Reference  
**Regulation 5(2)(a)**

Submission Reference  
**EN010141/DR/6.3**

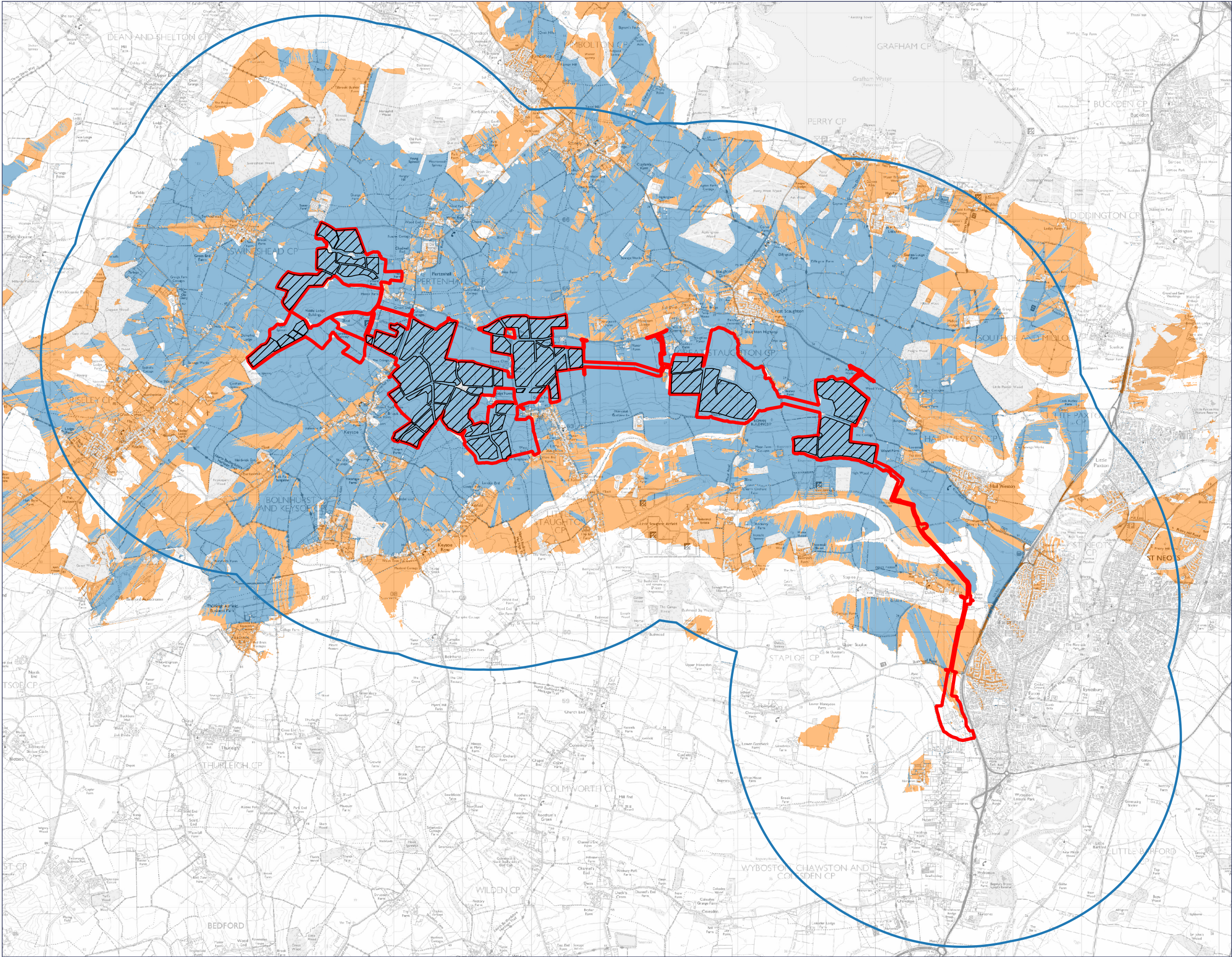
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**Figure 5-3a**

Rev  
**P01**



0 1,300 2,600 3,900 5,200 6,500 m





Rev	Date	Comment
P01	22/09/25	DCO Application

- Order Limits
- 3km radius around Scheme Boundary (LVIA Study Area)
- Location of Solar Array and Transformers
- Theoretical Visibility of 3.15m high structures (DSM)
- Theoretical Visibility of 3.15m high structures (DTM)

NOTES:

1. Separate Zones of Theoretical Visibility have been generated using Environment Agency 2m First Return LIDAR Digital Surface Model (DSM) data (which takes account of screening features in the landscape, such as vegetation and structures), and Environment Agency 2m LIDAR Digital Terrain Model (DTM) data (which is a bare earth model based upon landform only).
2. ZTV generation has allowed for curvature of the earth and light refraction.
3. ZTV has been generated based upon an observer eye height of 1.7m above ground level.
4. Height of proposed solar array would be 3m and height of proposed transformers would be 3.15m. The ZTV modelling has assumed a height of 3.15m to reflect the visibility of the tallest structures.



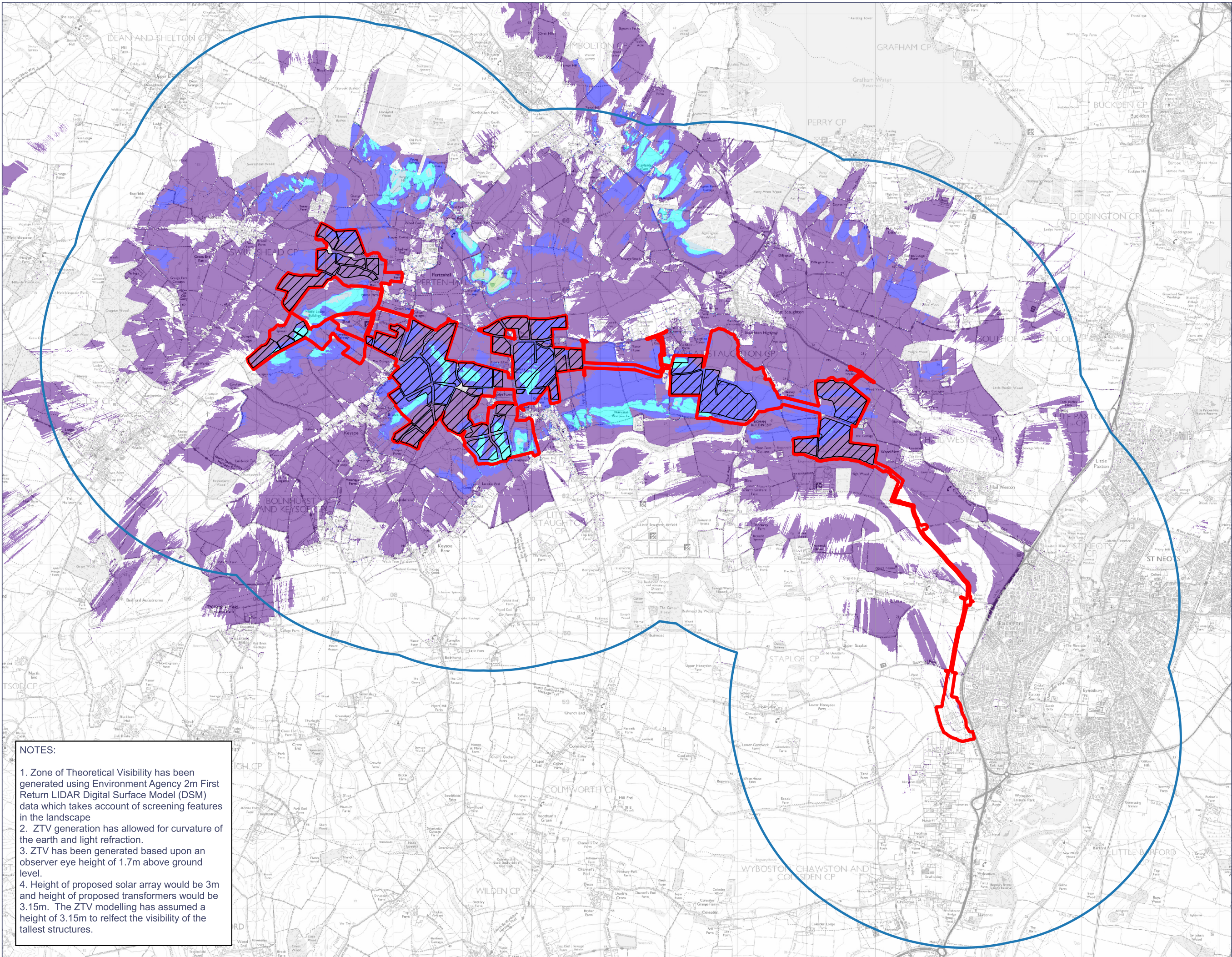
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Drawing Title

**3km Zone of Theoretical Visibility (Solar Array and Transformers)**  
Scale  
**1:50000@A3**  
APFP Reference  
**Regulation 5(2)(a)**  
Status  
**DCO Application**  
Submission Reference  
**EN010141/DR/6.3**





NOTES:

1. Zone of Theoretical Visibility has been generated using Environment Agency 2m First Return LIDAR Digital Surface Model (DSM) data which takes account of screening features in the landscape
2. ZTV generation has allowed for curvature of the earth and light refraction.
3. ZTV has been generated based upon an observer eye height of 1.7m above ground level.
4. Height of proposed solar array would be 3m and height of proposed transformers would be 3.15m. The ZTV modelling has assumed a height of 3.15m to reflect the visibility of the tallest structures.

- | Rev | Date     | Comment         |
|-----|----------|-----------------|
| P01 | 22/09/25 | DCO Application |
- Order Limits
  - 3km radius around Scheme
  - Boundary (LVIA Study Area)
  - Location of Solar Array and Transformers
  - Approx. 1%-10% of solar array and transformers theoretically visible
  - Approx. 10%-20% of solar array and transformers theoretically visible
  - Approx. 20%-30% of solar array and transformers theoretically visible
  - Approx. 30%-40% of solar array and transformers theoretically visible
  - Approx. 40%-50% of solar array and transformers theoretically visible
  - Approx. 50%-60% of solar array and transformers theoretically visible
  - Approx. 60%-70% of solar array and transformers theoretically visible
  - Approx. 70%-80% of solar array and transformers theoretically visible
  - Approx. 80%-90% of solar array and transformers theoretically visible
  - Approx. 90%-100% of solar array and transformers theoretically visible



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Drawing Title  
**Zone of Theoretical Visibility (percentage of solar panels and transformers visible)**

Scale  
**1:50000@A3**

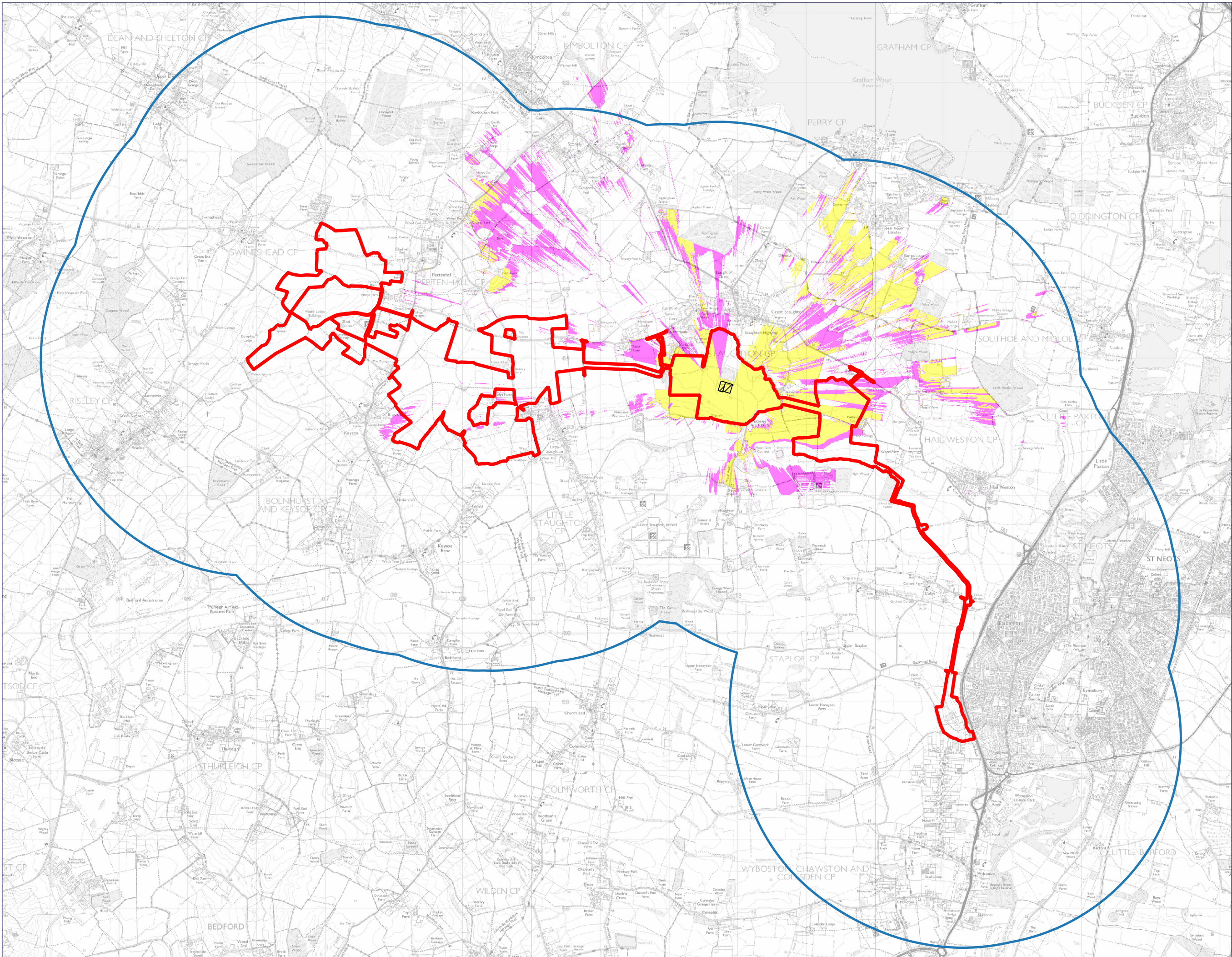
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**Regulation 5(2)(a)**

Status  
**DCO Application**

Submission Reference  
**EN010141/DR/6.3**







Rev	Date	Comment
P01	22/09/25	DCO Application

- Order Limits
- 3km radius around Scheme
- Boundary (LVIA Study Area)
- Location of BESS and Substation
- Theoretical Visibility of 4.4m high BESS units
- Theoretical Visibility of 13.6m high Substation structures

NOTES:

- Zone of Theoretical Visibility has been generated using Environment Agency 2m First Return LIDAR Digital Surface Model (DSM) data which takes account of screening features in the landscape
- ZTV generation has allowed for curvature of the earth and light refraction.
- ZTV has been generated based upon an observer eye height of 1.7m above ground level.



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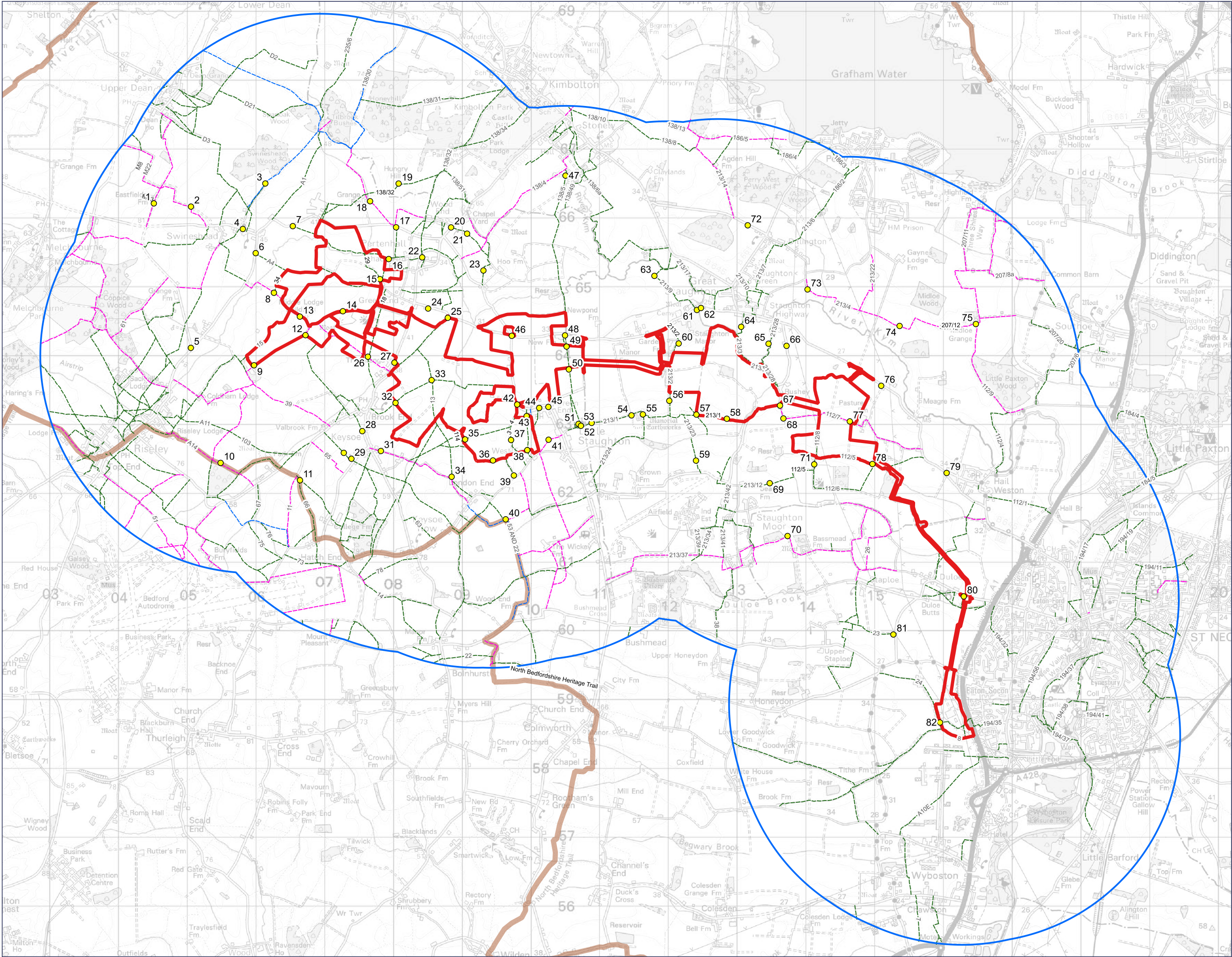
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**East Park Energy**  
Drawing Title

**Zone of Theoretical Visibility (BESS and Substation)**  
Scale  
**1:50000@A3**  
APFP Reference  
**Regulation 5(2)(a)**  
Status  
**DCO Application**  
Submission Reference  
**EN010141/DR/6.3**



0 1,000 2,000 3,000 4,000 5,000 m





Rev	Date	Comment
P01	22/09/2025	DCO Application

- Order Limits
  - 3km radius around Scheme Boundary (LVIA Study Area)
  - Viewpoint Locations
- Public Rights of Way**
- Footpath
  - Bridleway
  - Byway
  - Designated Trails



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Drawing Title  
**Visual Receptors - Representative Viewpoints & Rights of Way**

Scale  
**1:50000@A3**

APFP Reference  
**Regulation 5(2)(a)**

Dwg no

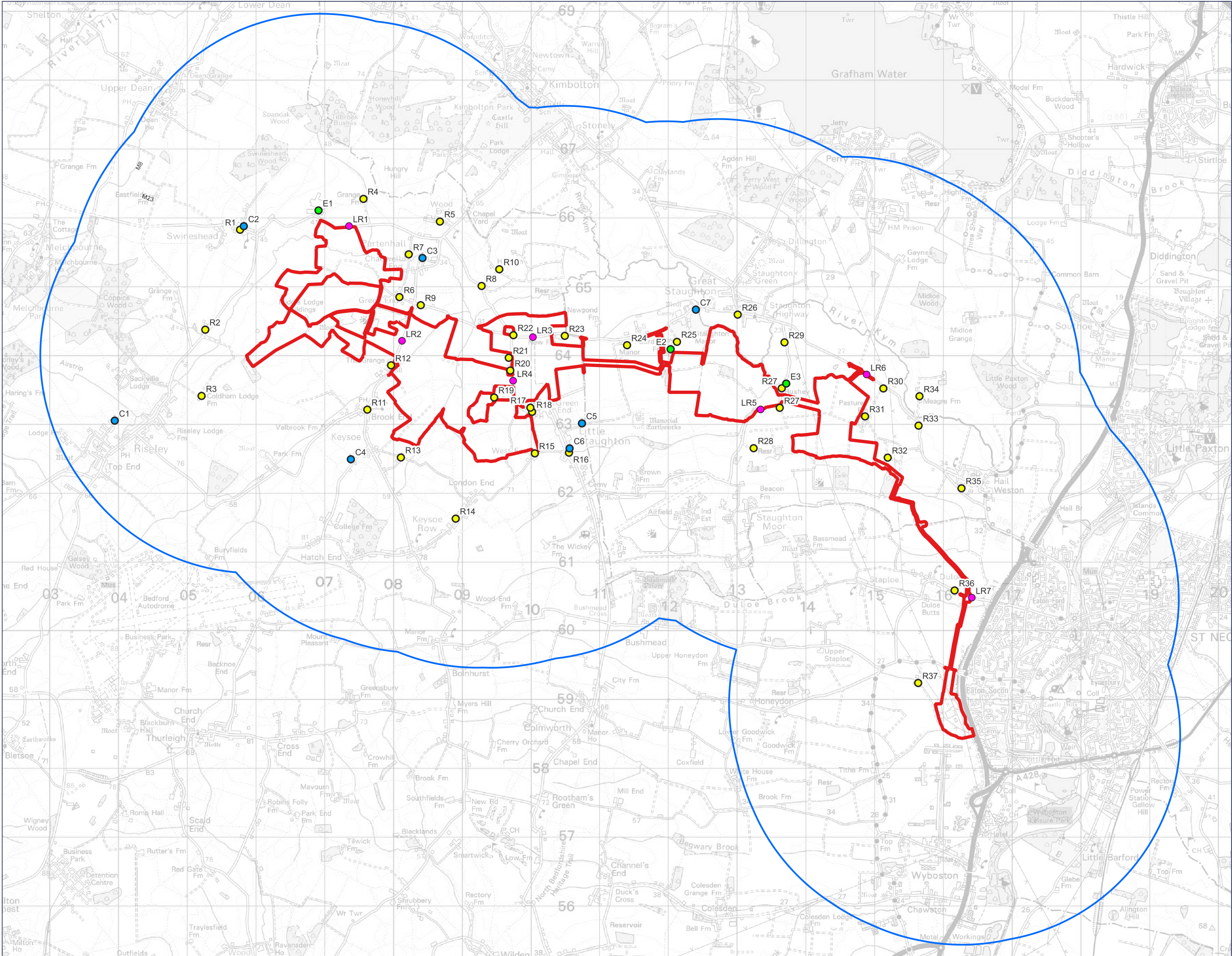
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**DCO Application**

Submission Reference  
**EN010141/DR/6.3**

Rev







Rev	Date	Comment
P01	22/09/2025	DCO Application

Order Limits

3km radius around Scheme Boundary (LVIA Study Area)

People in Residential Properties

People using Community Facilities

People at Employment Sites

Road Users



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Drawing Title  
**Visual Receptors - Residential, Community, Roads and Commercial Receptors**

Scale  
**1:50000@A3**

APFP Reference  
**Regulation 5(2)(a)**

Status  
**DCO Application**

Submission Reference  
**EN010141/DR/6.3**



0 1,000 2,000 3,000 4,000 5,000 m