

Rosefield Solar Farm

Chapter 17: Cumulative Effects

APFP Regulation Reg 5(2)(a)
Planning Act 2008
Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009
EN010158/APP/6.3.2
Revision 2
Deadline 1
March 2026
Rosefield Energyfarm Limited

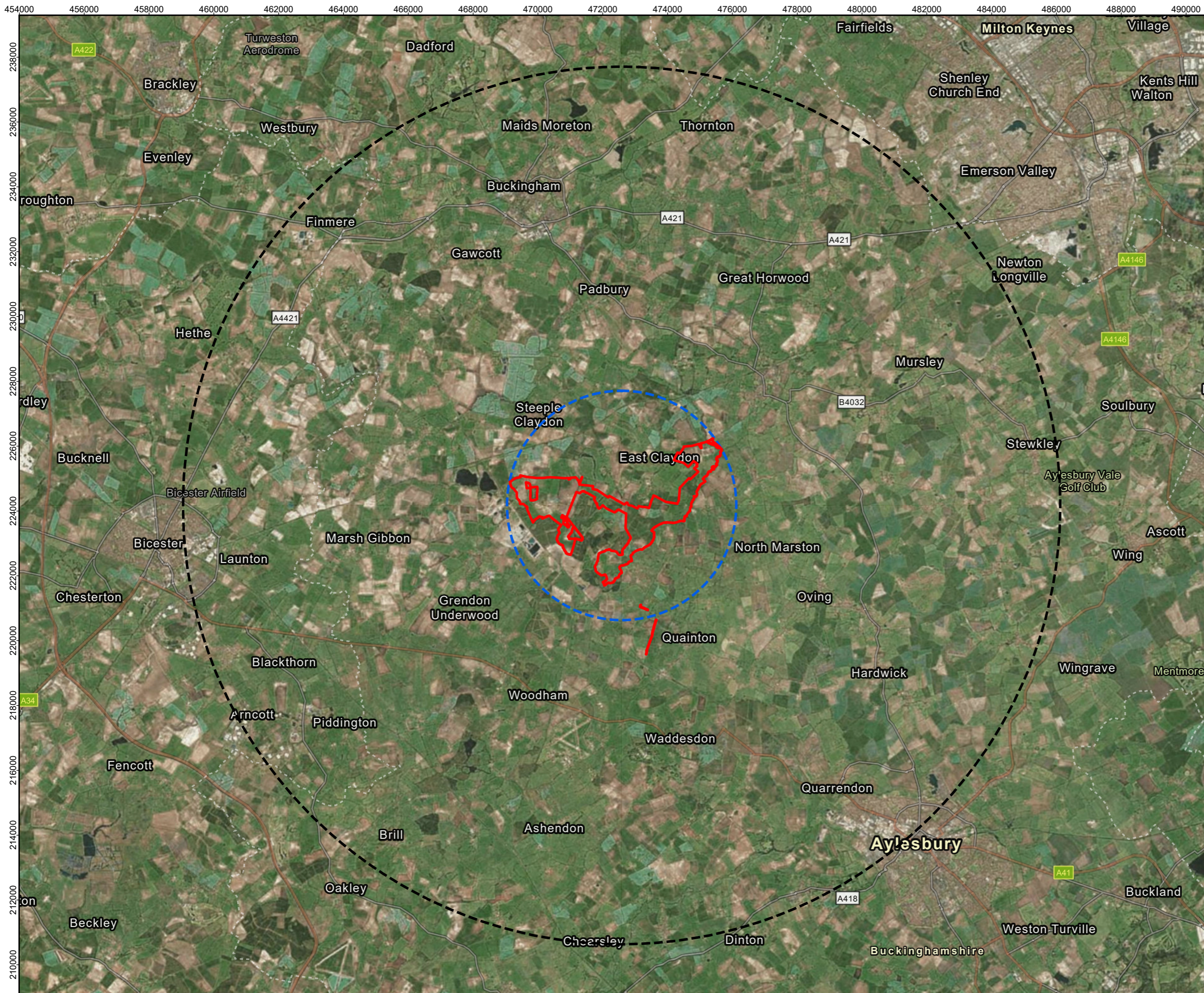


ES Volume 3: Figures

Chapter 17: Cumulative Effects

Drawing number	Revision number	Drawing title	Scale	Reason for revision
17.1	01	Cumulative Zone of Influence	1:110,000 @ A3	No change required.
17.2	02	Cumulative Short List Radius	1:100,000 @ A3	Updated with new projects included on the cumulative short list.
17.3 a	01	Cumulative ZTV – National Grid East Claydon Substation Extension – Bare ground	1:61,000 @ A3	No change required.
17.3 b	01	Cumulative ZTV – National Grid East Claydon Substation Extension – Screening	1:61,000 @ A3	No change required.
17.4 a	01	Cumulative ZTV – East Claydon Greener Grid Park – Bare Ground	1:61,000 @ A3	No change required.
17.4 b	01	Cumulative ZTV – East Claydon Greener Grid Park – Screening	1:61,000 @ A3	No change required.
17.5 a	01	Cumulative ZTV – Tuckey Solar Farm – Bare Ground	1:61,000 @ A3	No change required.
17.5 b	01	Cumulative ZTV – Tuckey Solar Farm – Screening	1:61,000 @ A3	No change required.
17.6 a	01	Cumulative ZTV – Longbreach Solar Farm – Bare Ground	1:61,000 @ A3	No change required.
17.6 b	01	Cumulative ZTV – Longbreach Solar Farm – Screening	1:61,000 @ A3	No change required.
17.7 a	01	Cumulative ZTV – East Claydon BESS – Bare Ground	1:61,000 @ A3	No change required.
17.7 b	01	Cumulative ZTV – East Claydon BESS – Screening	1:61,000 @ A3	No change required.

17.8 a	02	Cumulative ZTV – Rosefield and Littleton Manor Farm – Bare Ground	1:61,000 @ A3	Updated with the reduced proposed turbine height at Littleton Manor Farm.
17.8 b	02	Cumulative ZTV – Rosefield and Littleton Manor Farm - Screening	1:61,000 @ A3	Updated with the reduced proposed turbine height at Littleton Manor Farm.
17.9 a	02	Cumulative ZTV – All Cumulative Sites – Bare Ground	1:61,000 @ A3	Updated with new projects included on the cumulative long list.
17.9 b	02	Cumulative ZTV – All Cumulative Sites – Screening	1:61,000 @ A3	Updated with new projects included on the cumulative long list.



LEGEND:

- Order Limits
- Bounding Circle
- Zone of Influence

Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



Rev	Date	Description	Drn	Chk	App
01	Sept 2025	DCO SUBMISSION	RSK	RSK	EDF

Rosefield Solar Farm

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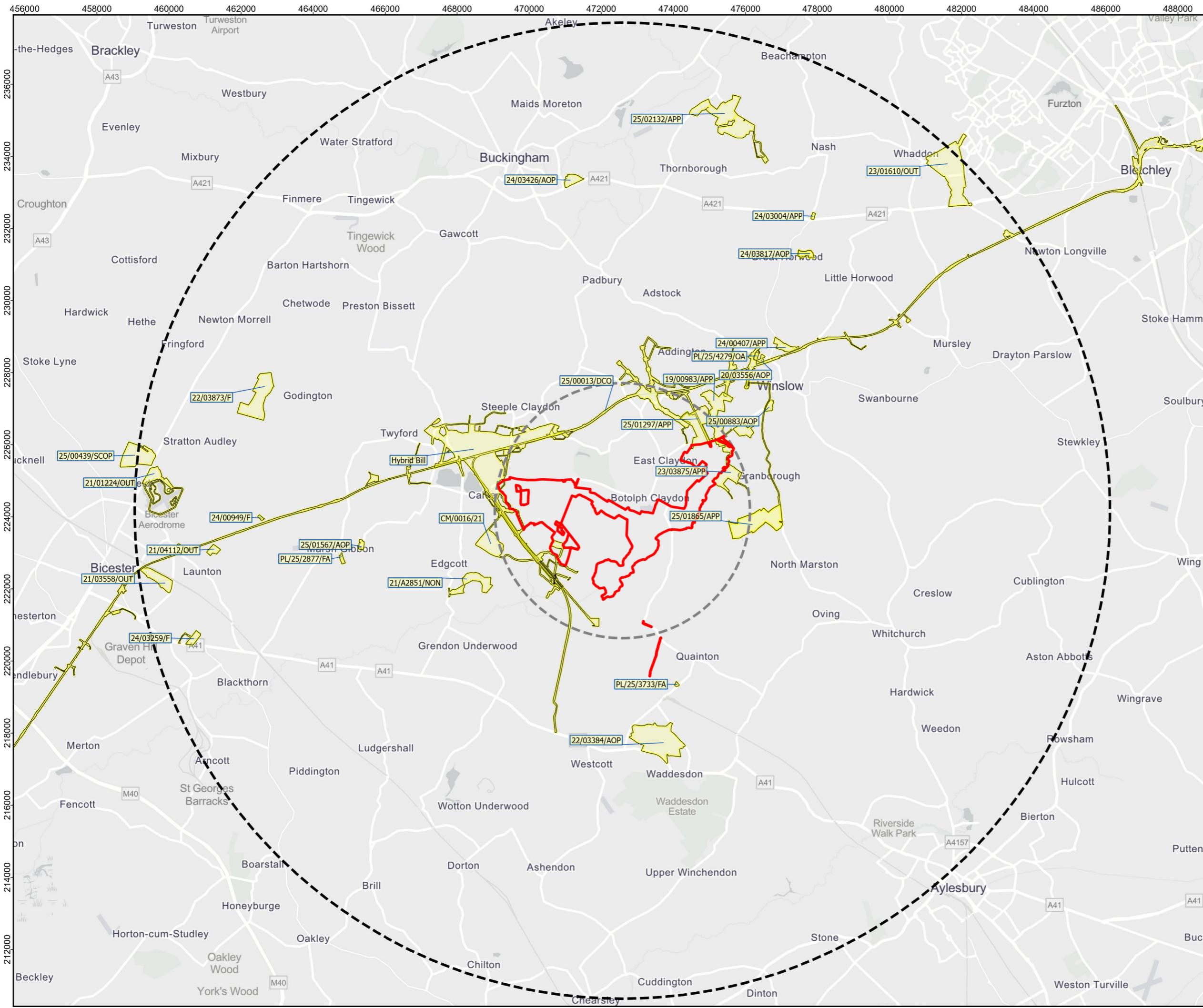
TITLE:
 FIGURE 17.1
 CUMULATIVE ZONE OF INFLUENCE

PINS REFERENCE NUMBER:
 EN010158/APP/6.3

Kilometers

Scale: 1:110,000 @ A3

REV 01



- LEGEND:**
- Order Limits
 - Bounding Circle
 - Zone of Influence
 - Short List Cumulative Development

Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



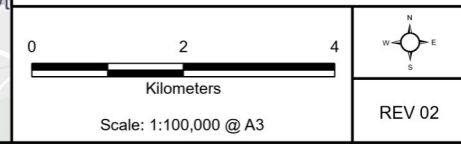
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Rosefield Solar Farm

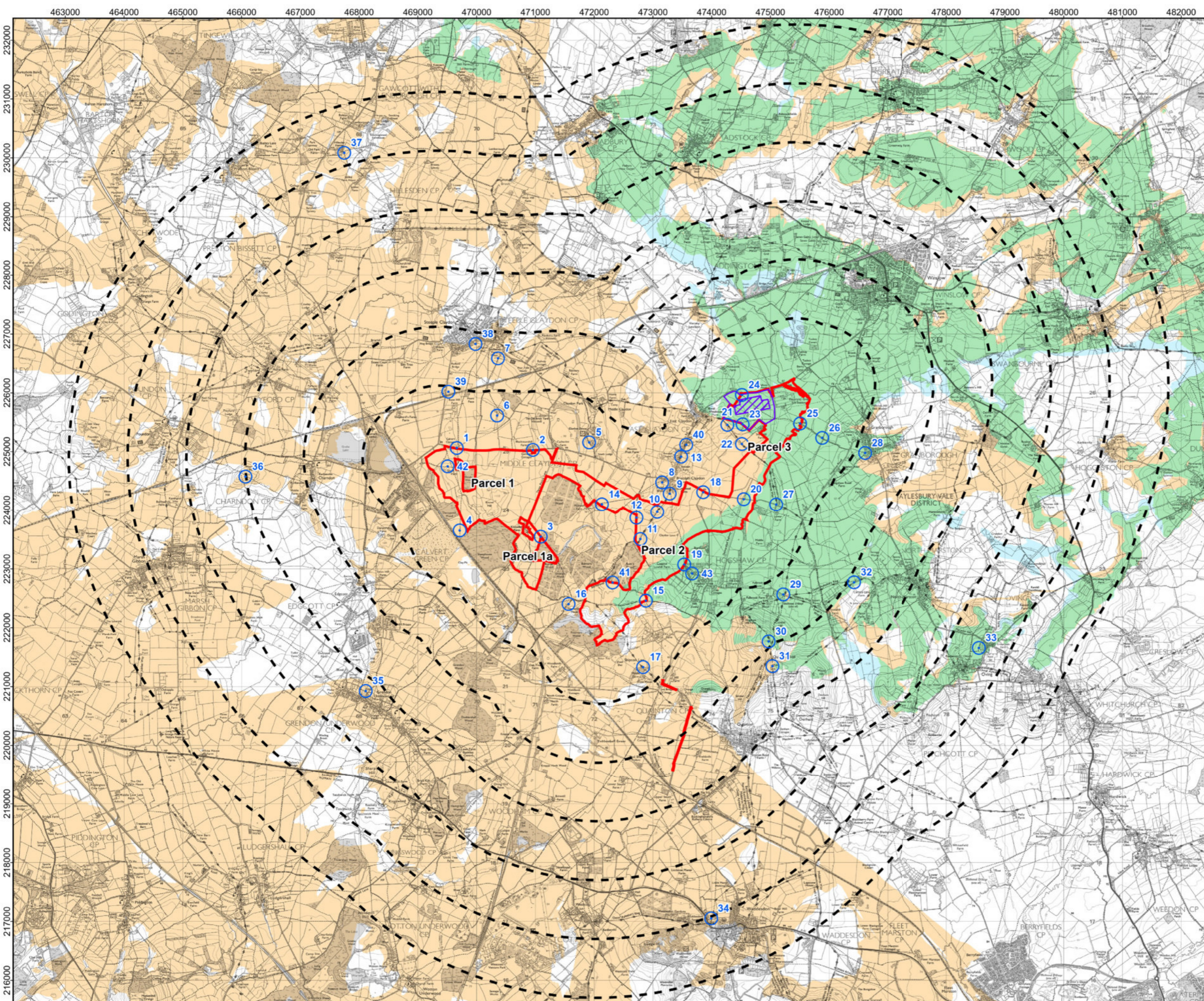
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 FIGURE 17.2
 CUMULATIVE SHORT LIST RADIUS

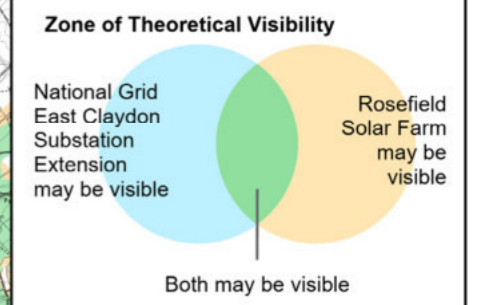
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 EN1010158/APP/6.3.2



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- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - National Grid East Claydon Substation Extension - Development Area
 - National Grid East Claydon Substation Extension - Site Boundary



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

Rosefield Solar Farm

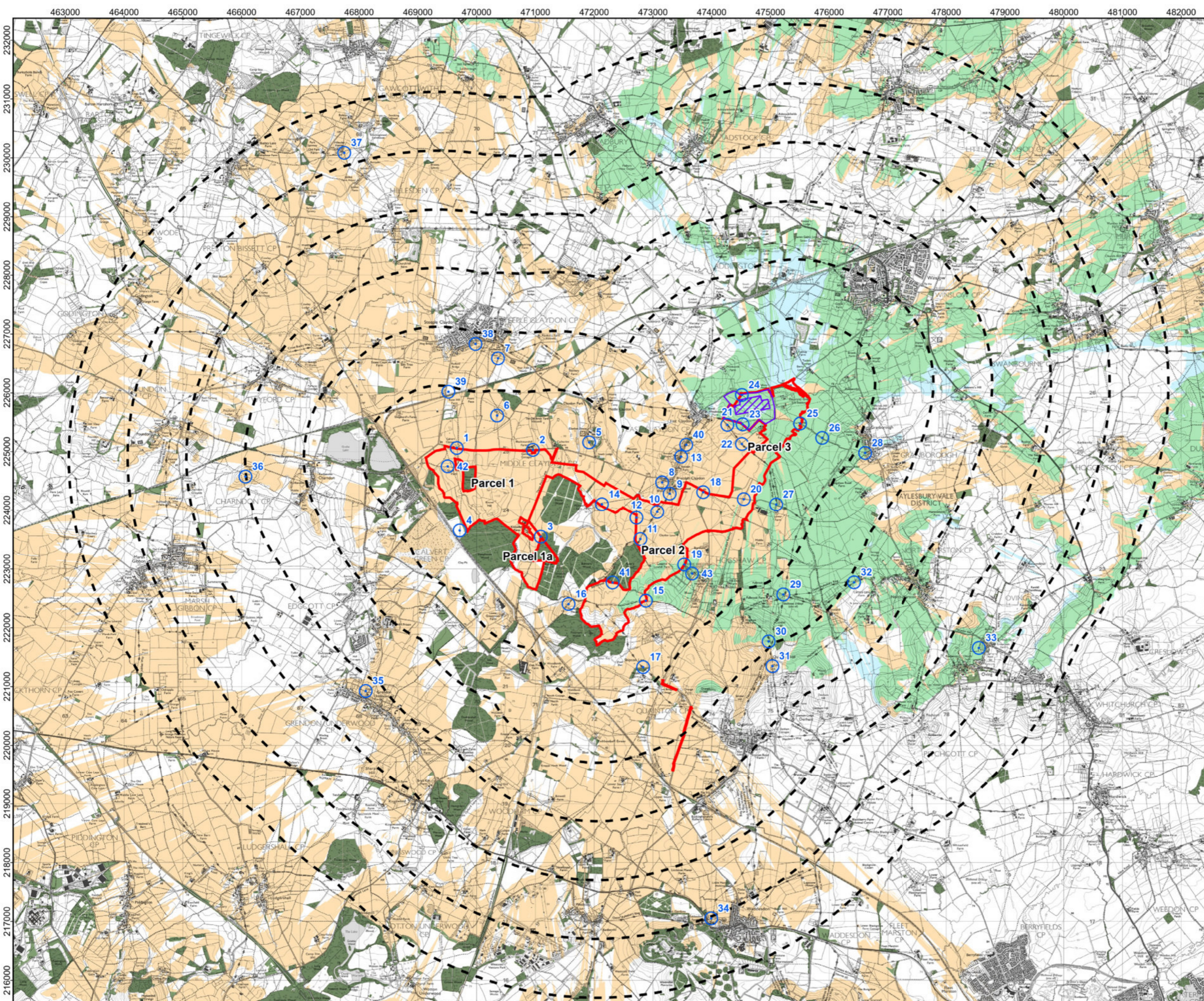
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 REGULATION 5(2)(a)

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 FIGURE 17.3a
 CUMULATIVE ZTV - NATIONAL GRID EAST
 CLAYDON SUBSTATION EXT. - BARE EARTH

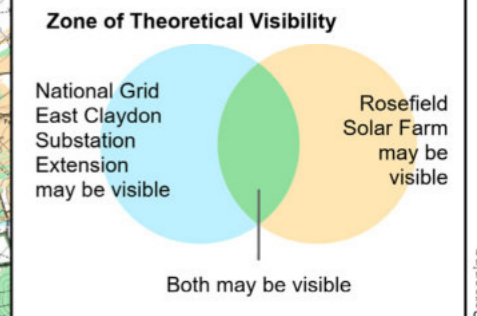
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Scale: 1:61,000 @ A3

REV 01



- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Woodland (modelled at 10m)
 - Buildings (modelled at 6m)
 - National Grid East Claydon Substation Extension - Development Area
 - National Grid East Claydon Substation Extension - Site Boundary



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



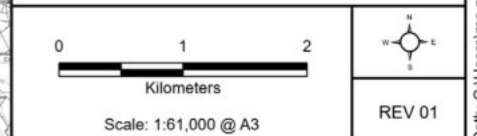
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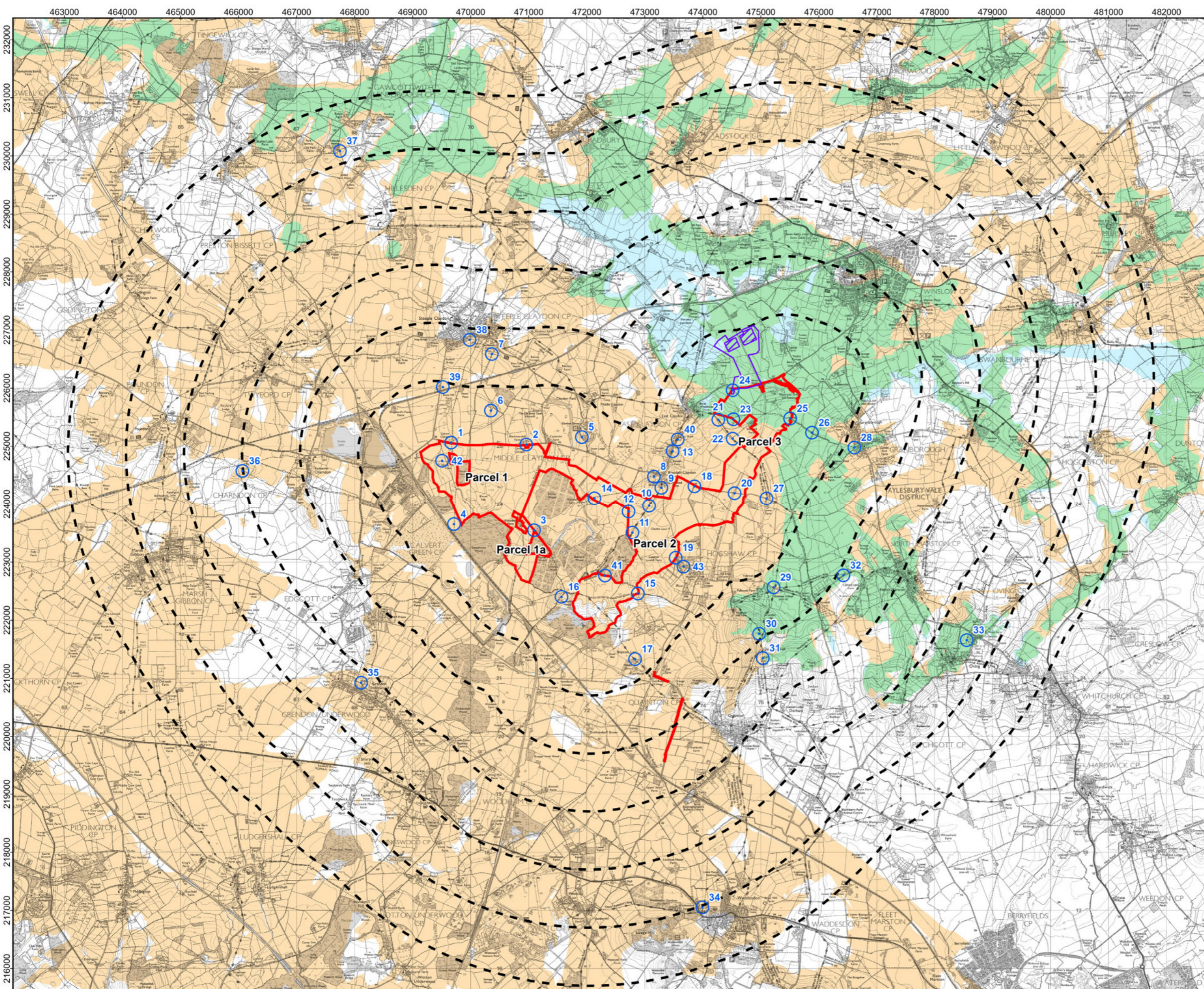
Rosefield Solar Farm

DOCUMENT:
 ENVIRONMENTAL STATEMENT
 VOLUME 3: FIGURES
 REGULATION 5(2)(a)

TITLE:
 FIGURE 17.3b
 CUMULATIVE ZTV - NATIONAL GRID EAST CLAYDON SUBSTATION EXT. - SCREENING

PINS REFERENCE NUMBER:
 EN010158/APP/6.3





LEGEND:

- Order Limits
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- East Claydon Greener Grid Park - Site Boundary
- East Claydon Greener Grid Park - Development Area

Zone of Theoretical Visibility

East Claydon Greener Grid Park may be visible

Rosefield Solar Farm may be visible

Both may be visible

Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



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01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
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Rosefield Solar Farm

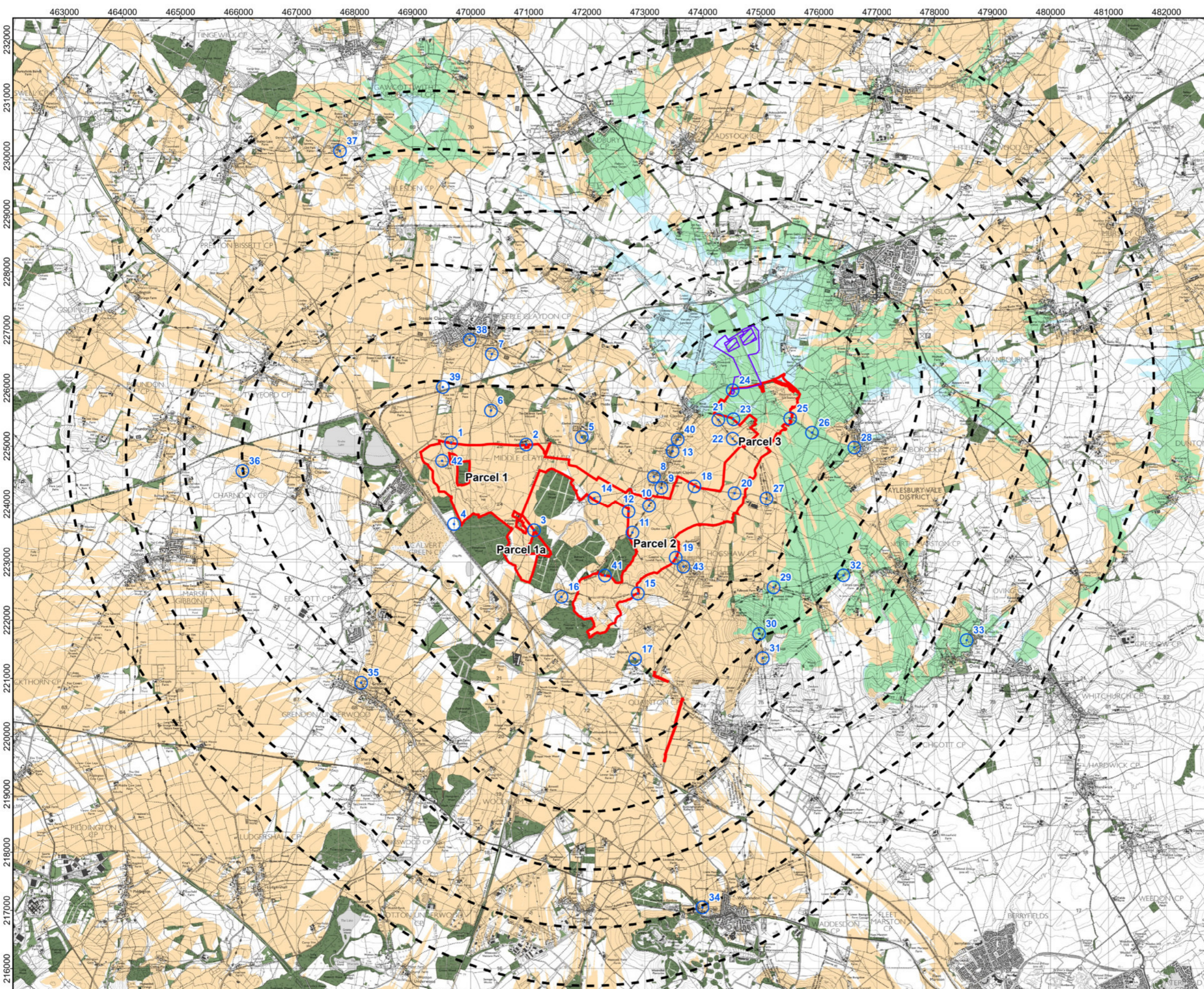
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 REGULATION 5(2)(a)

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 FIGURE 17.4a
 CUMULATIVE ZTV - EAST CLAYDON GREENER
 GRID PARK - BARE EARTH

PINS REFERENCE NUMBER:
 EN010158/APP/6.3

Scale: 1:61,000 @ A3

REV 01



LEGEND:

- Order Limits
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Woodland (modelled at 10m)
- Buildings (modelled at 6m)
- East Claydon Greener Grid Park - Site Boundary
- East Claydon Greener Grid Park - Development Area

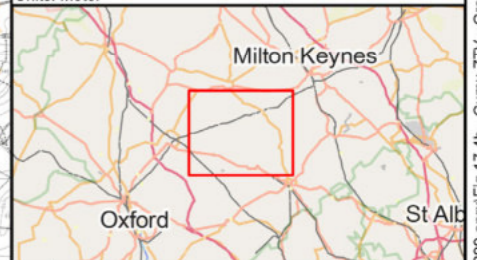
Zone of Theoretical Visibility

East Claydon Greener Grid Park may be visible

Rosefield Solar Farm may be visible

Both may be visible

Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



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01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

Rosefield Solar Farm

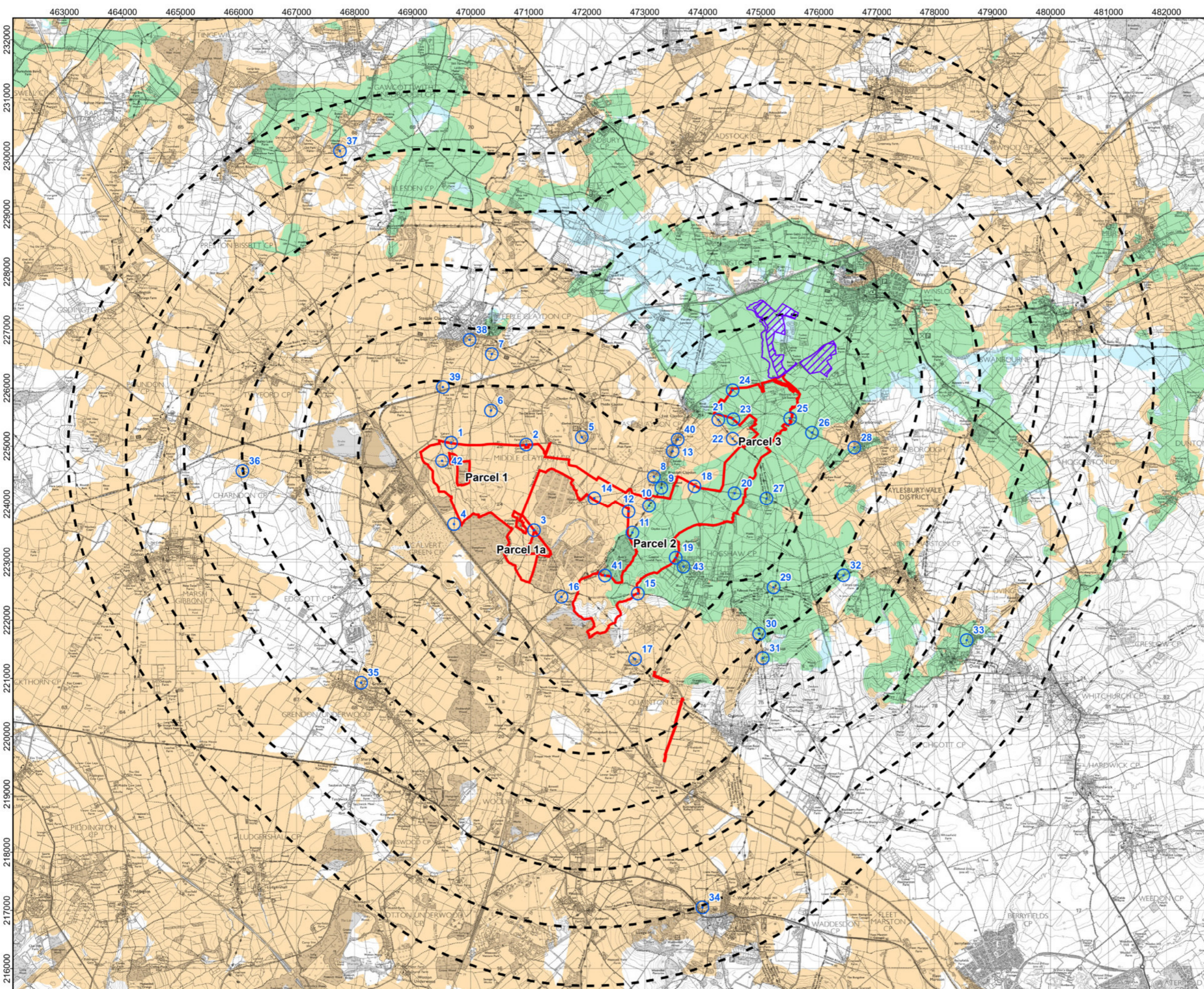
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 VOLUME 3: FIGURES
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TITLE:
 FIGURE 17.4b
 CUMULATIVE ZTV - EAST CLAYDON GREENER
 GRID PARK - SCREENING

PINS REFERENCE NUMBER:
 EN010158/APP/6.3

Scale: 1:61,000 @ A3

REV 01



LEGEND:

- Order Limits
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Tuckey Solar Farm - Site Boundary
- Tuckey Solar Farm - Development Area

Zone of Theoretical Visibility

Tuckey Solar Farm may be visible

Rosefield Solar Farm may be visible

Both may be visible

Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



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01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

Rosefield Solar Farm

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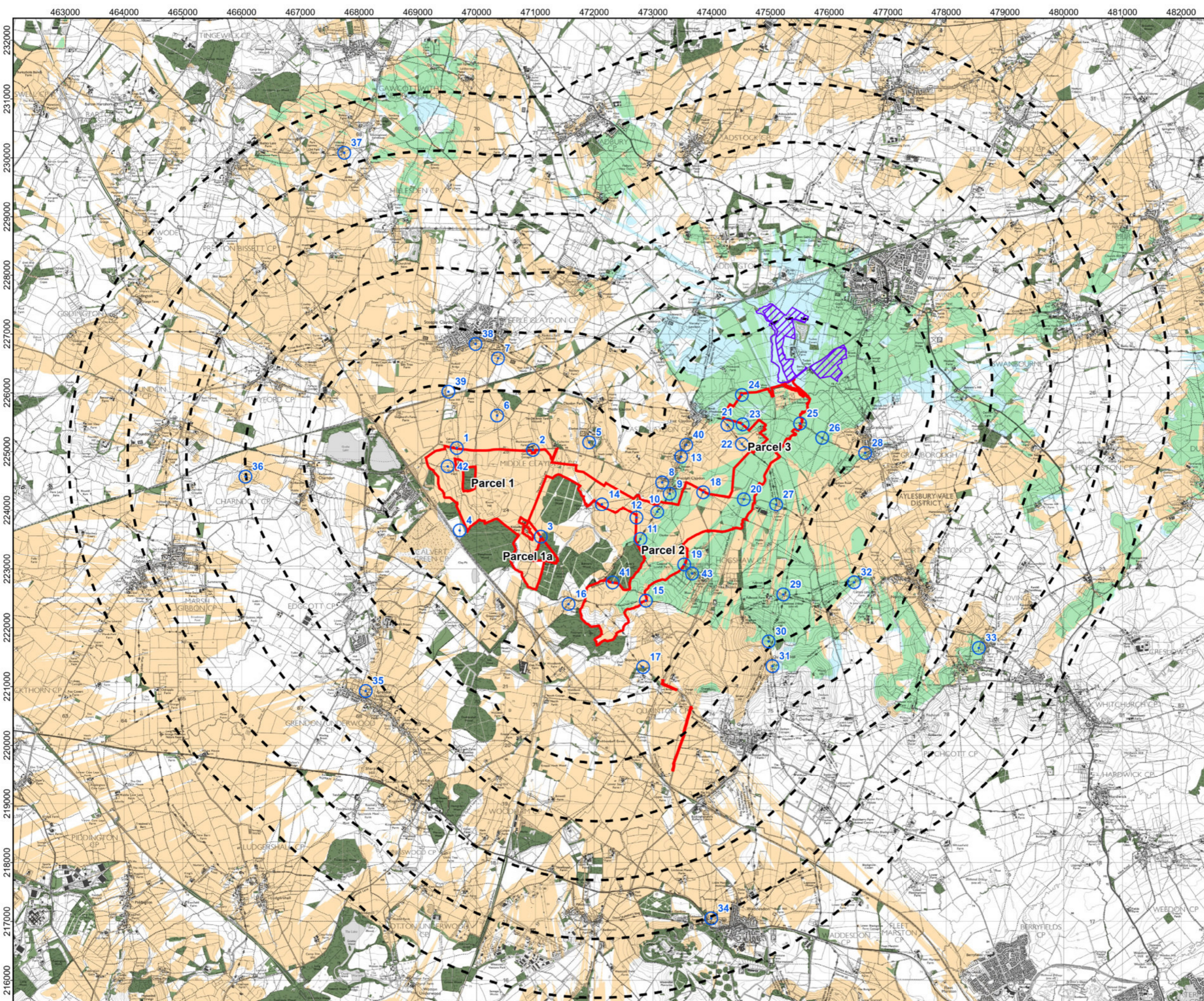
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 CUMULATIVE ZTV - TUCKEY SOLAR FARM - BARE EARTH

PINS REFERENCE NUMBER:
 EN010158/APP/6.3

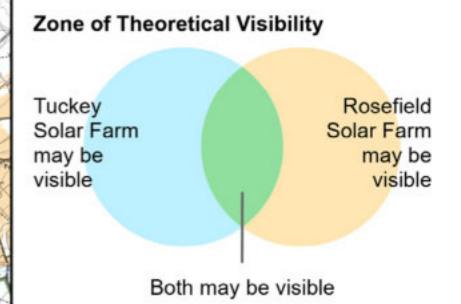
Kilometers

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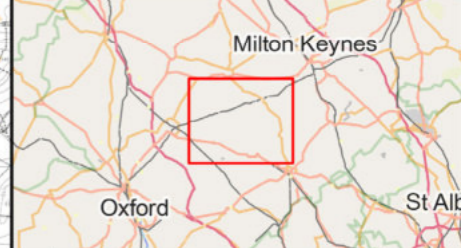
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- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Woodland (modelled at 10m)
 - Buildings (modelled at 6m)
 - Tuckey Solar Farm - Site Boundary
 - Tuckey Solar Farm - Development Area



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



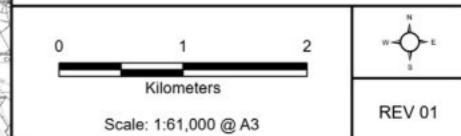
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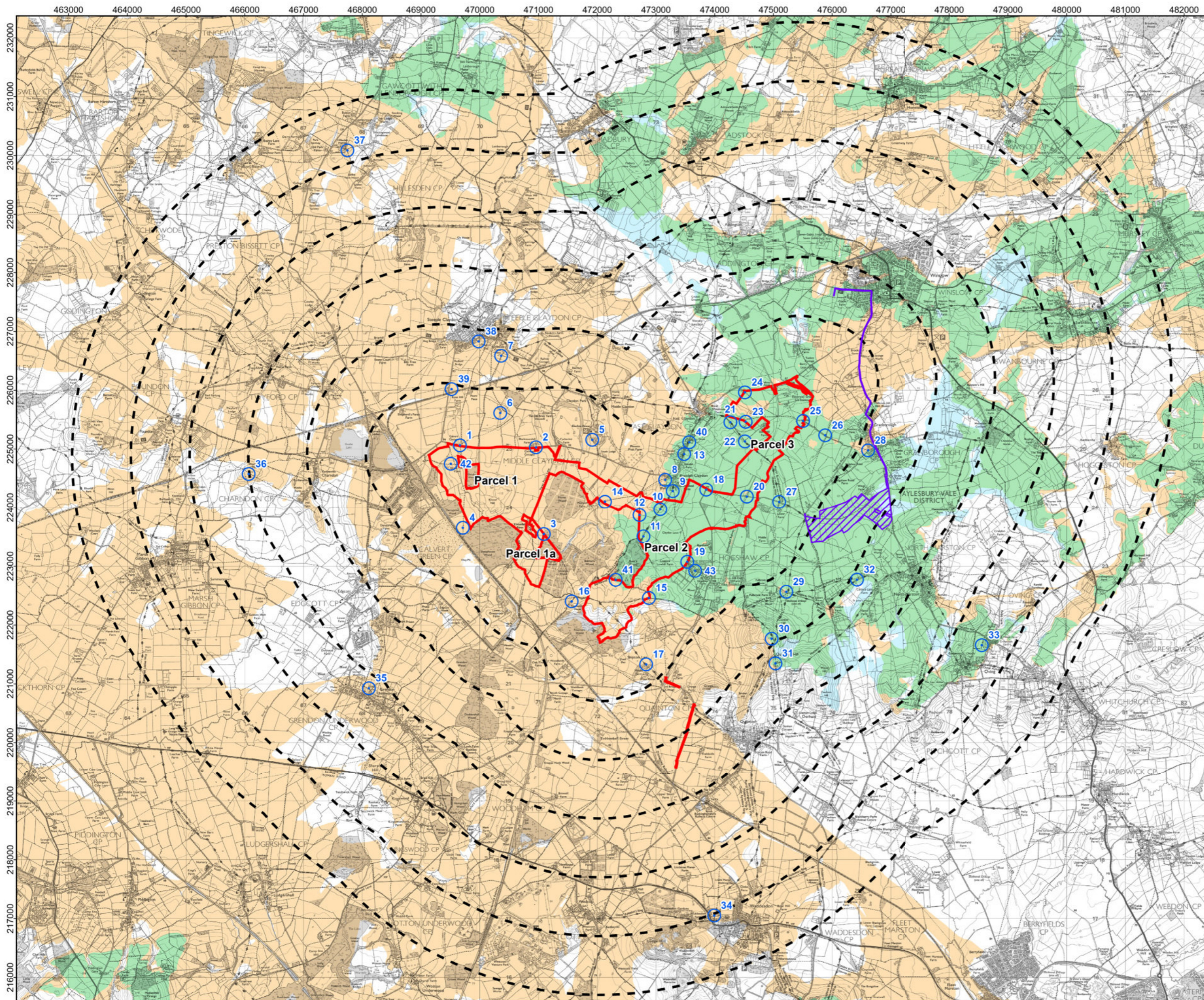
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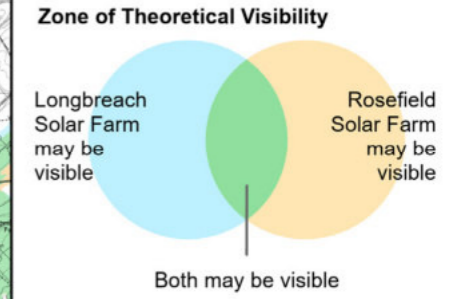
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 FIGURE 17.5b
 CUMULATIVE ZTV - TUCKEY SOLAR FARM -
 SCREENING

PINS REFERENCE NUMBER:
 EN010158/APP/6.3

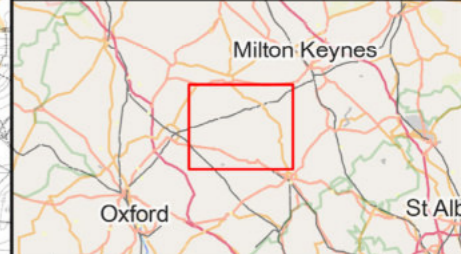




- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Longbreach Solar Farm - Development area
 - Longbreach Solar Farm - Site Boundary



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



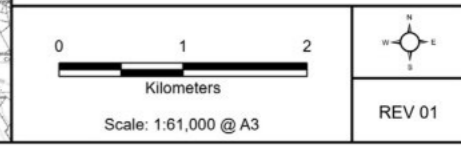
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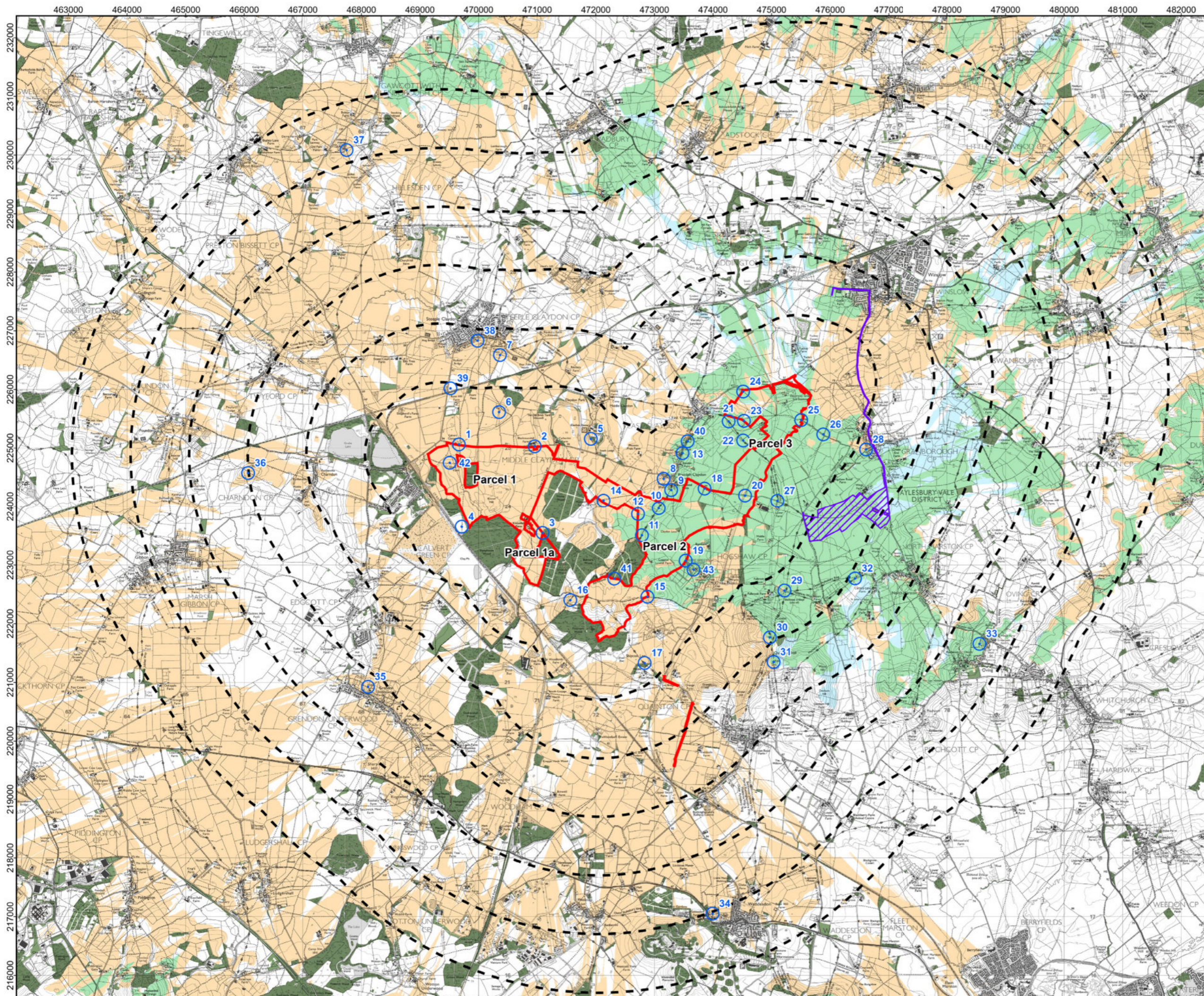
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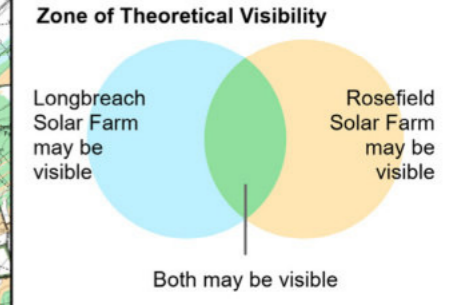
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 CUMULATIVE ZTV - LONGBREACH SOLAR FARM -
 BARE EARTH

PINS REFERENCE NUMBER:
 EN010158/APP/6.3

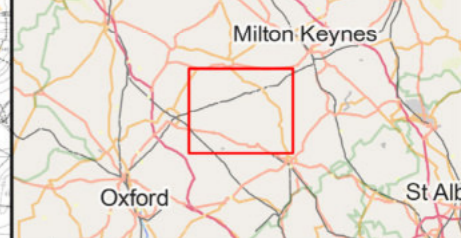




- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Longbreach Solar Farm - Development area
 - Longbreach Solar Farm - Site Boundary
 - Buildings (modelled at 6m)
 - Woodland (modelled at 10m)



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



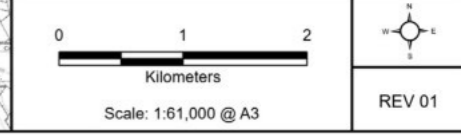
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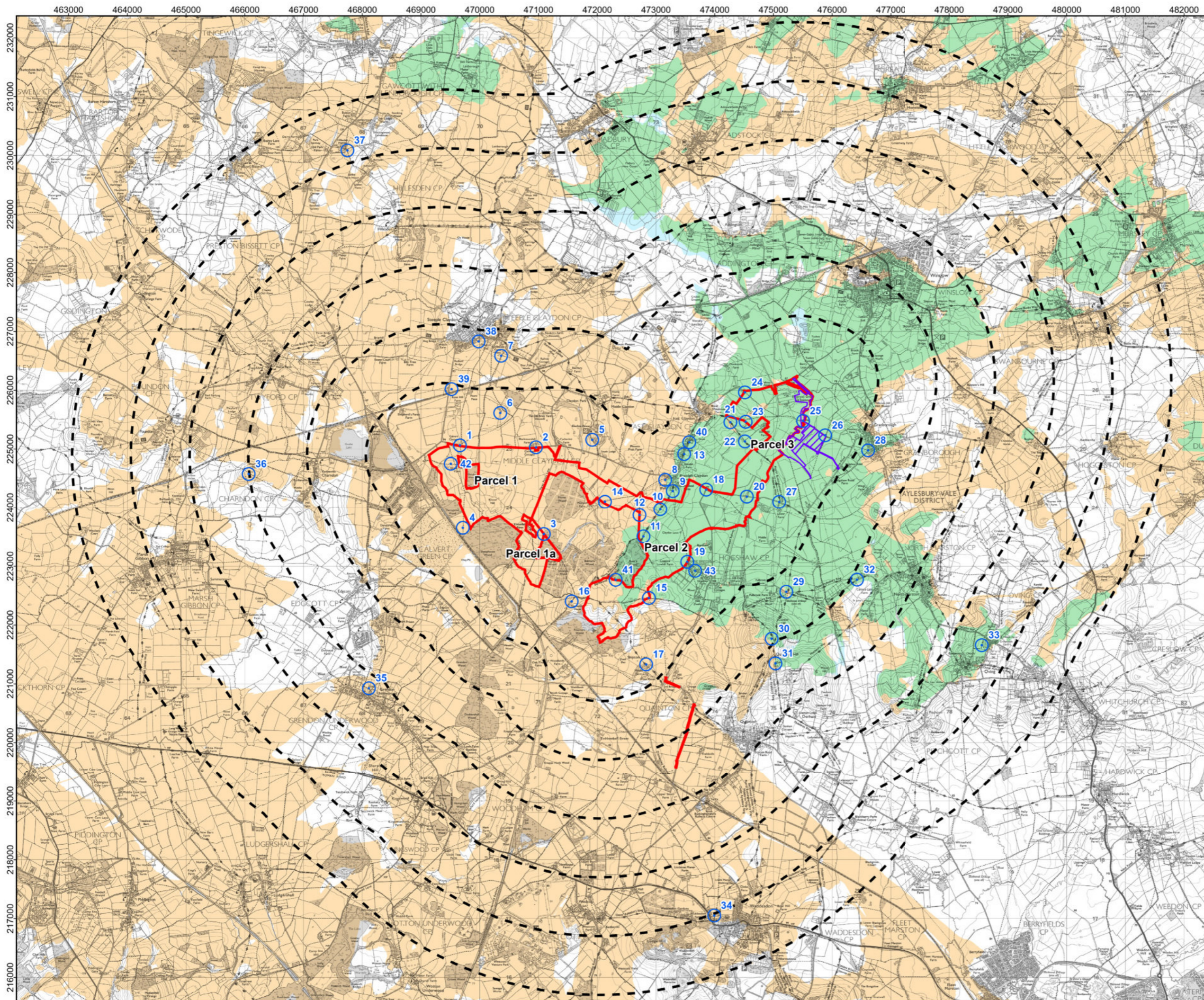
Rosefield Solar Farm

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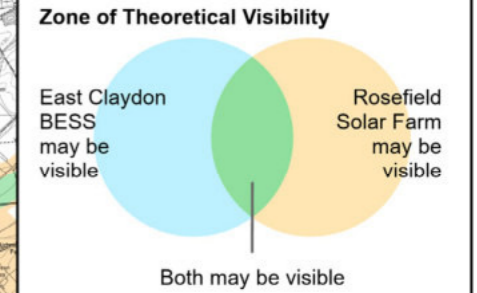
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 CUMULATIVE ZTV - LONGBREACH SOLAR FARM -
 SCREENING

PINS REFERENCE NUMBER:
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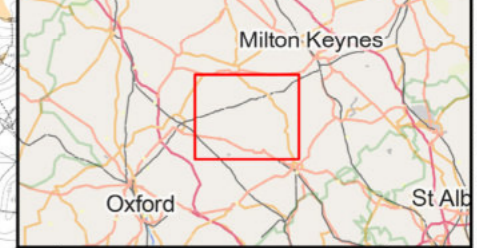




- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - East Claydon BESS - Site Boundary
 - East Claydon BESS - Development Area



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



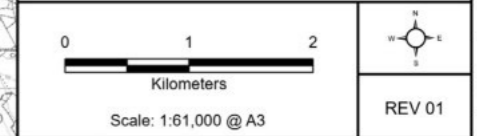
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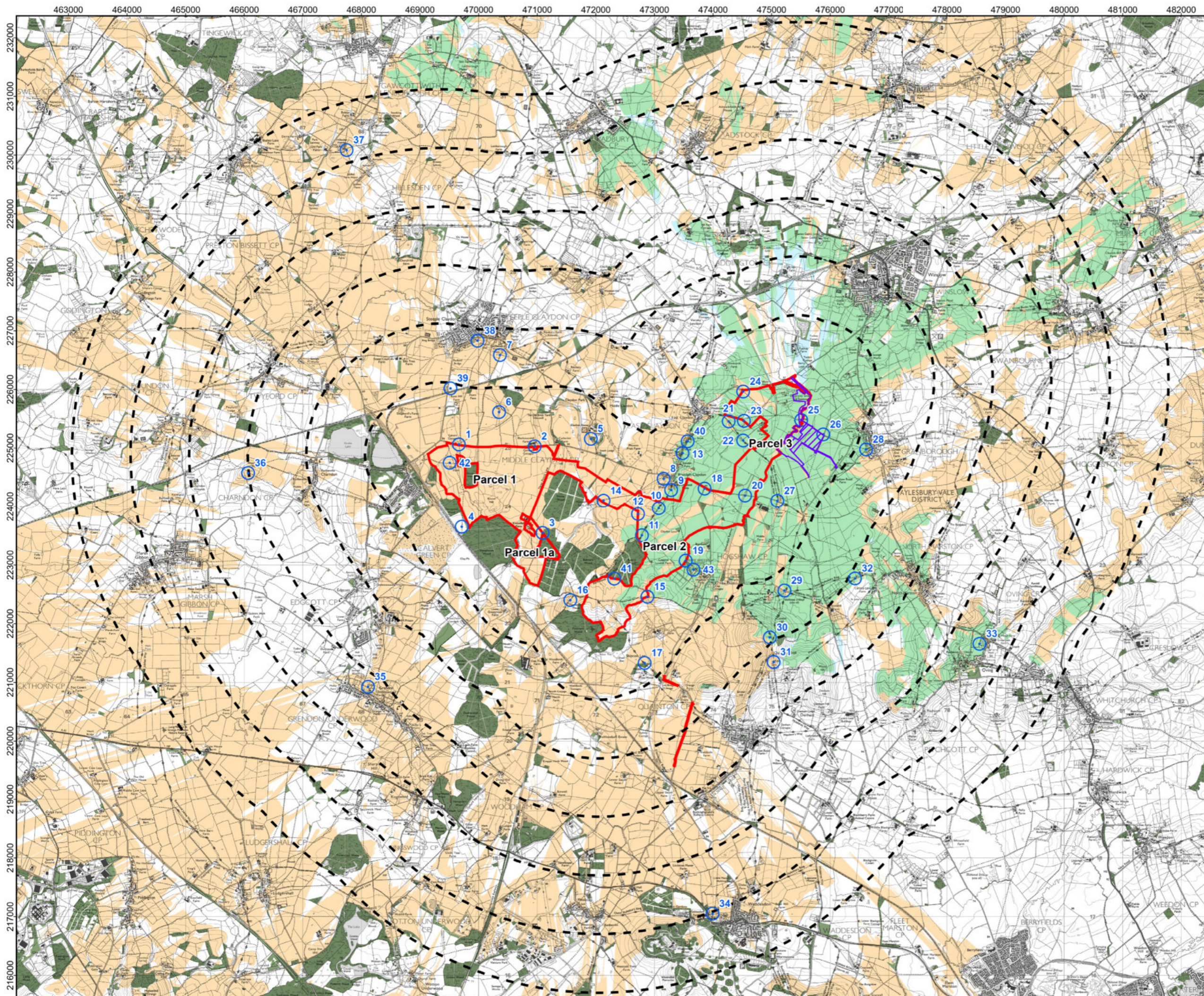
Rosefield Solar Farm

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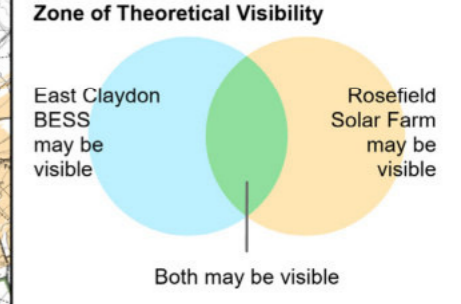
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 CUMULATIVE ZTV - EAST CLAYDON BESS - BARE EARTH

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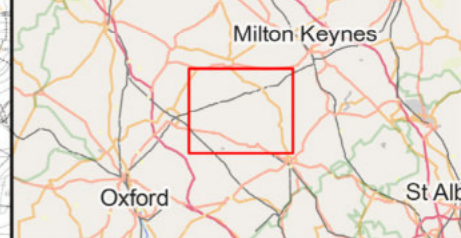




- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Woodland (modelled at 10m)
 - Buildings (modelled at 6m)
 - East Claydon BESS - Site Boundary
 - East Claydon BESS - Development Area



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



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Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

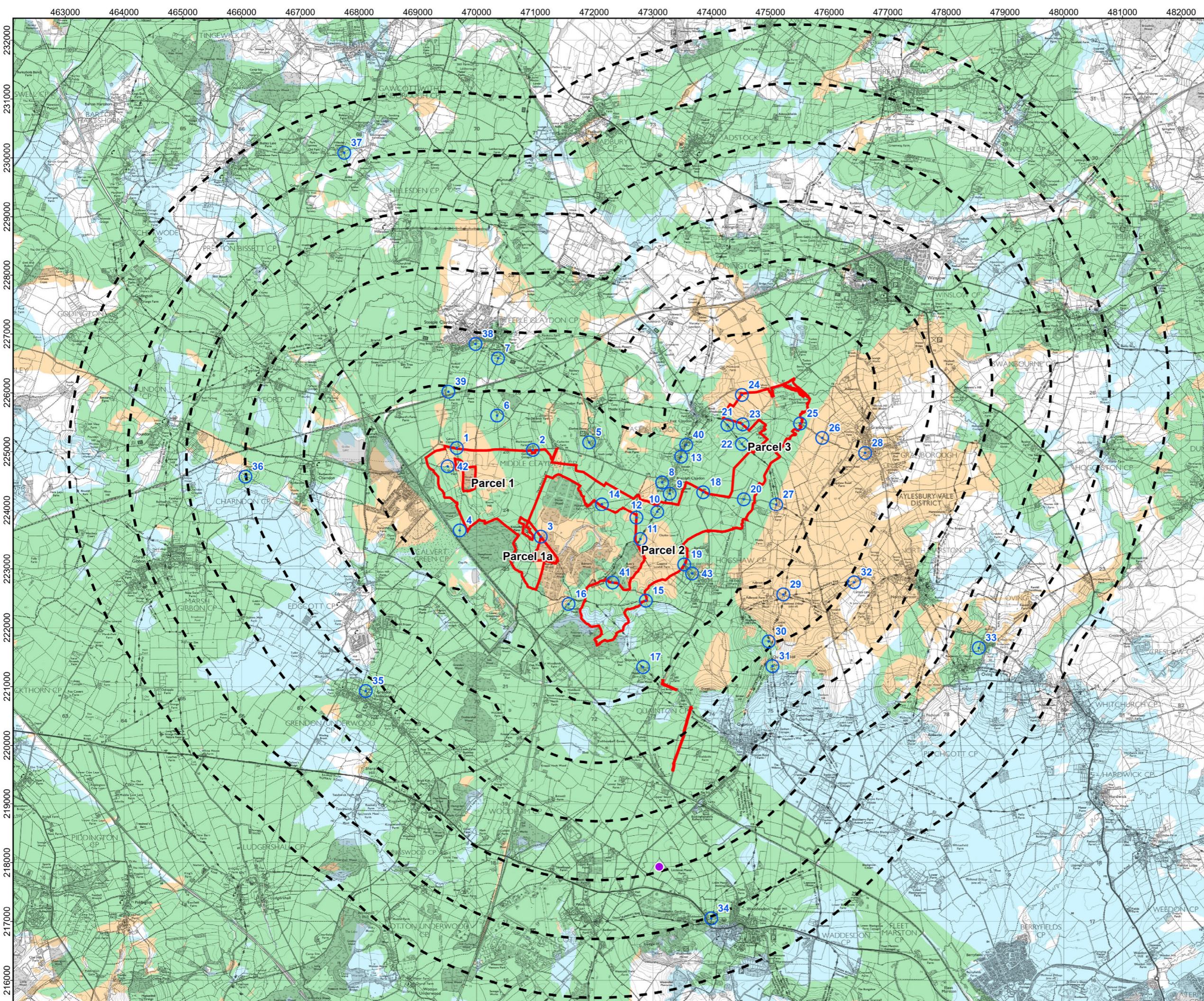
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 REGULATION 5(2)(a)

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 CUMULATIVE ZTV - EAST CLAYDON BESS -
 SCREENING

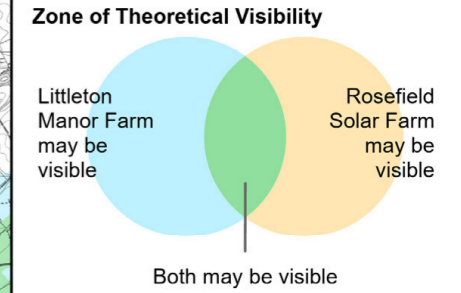
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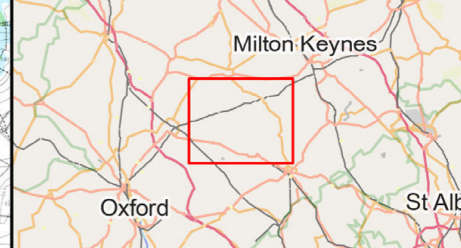
REV 01



- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Littleton Manor Farm Wind Turbine



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



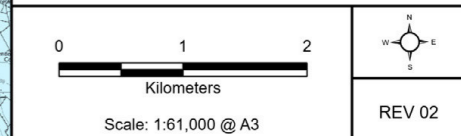
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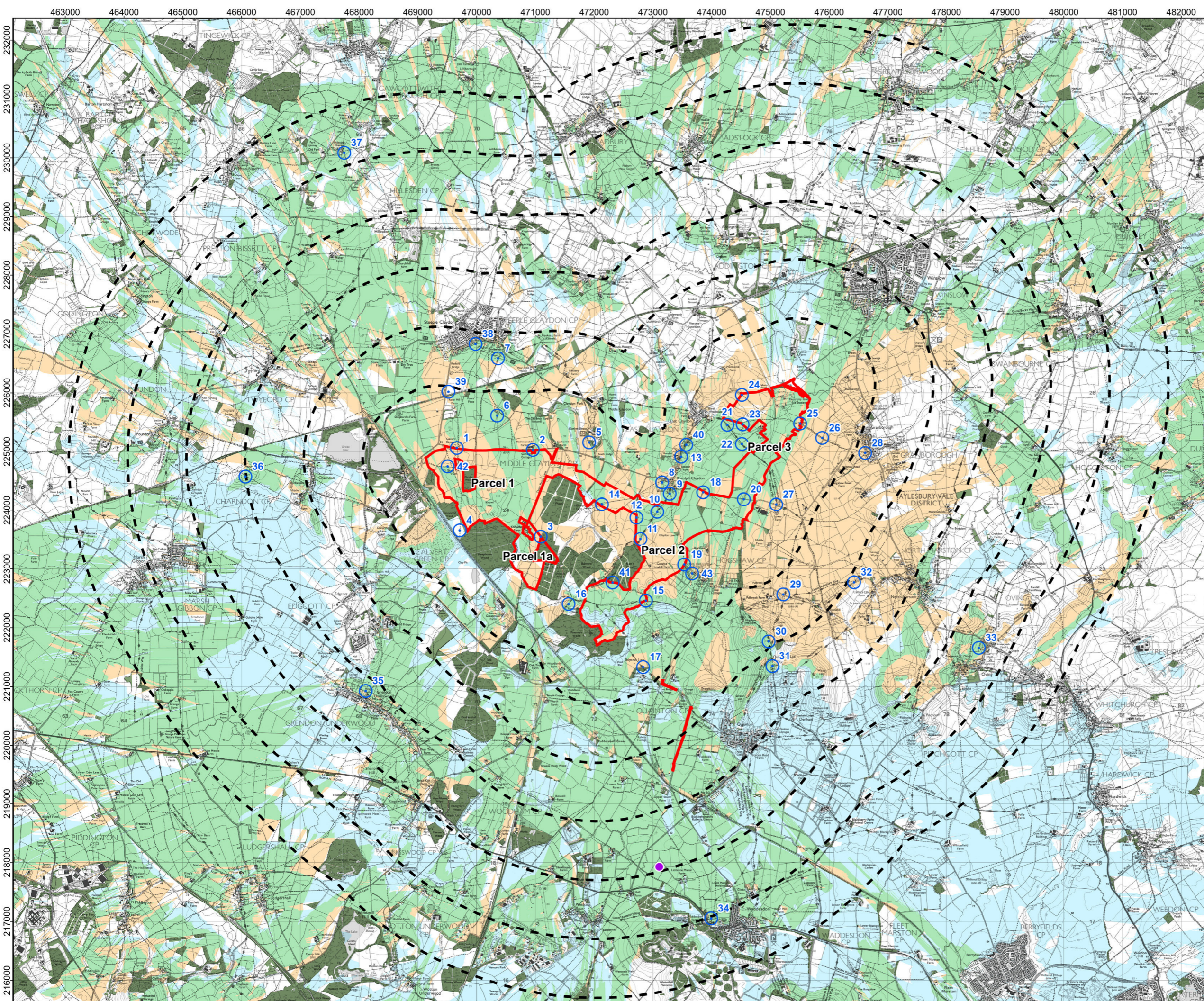


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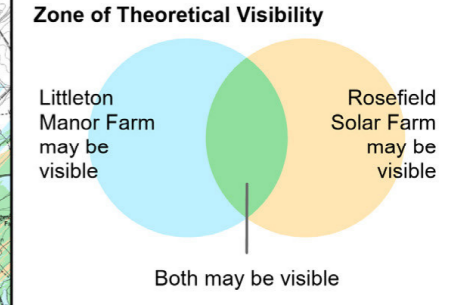
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 FIGURE 17.8a
 CUMULATIVE ZTV - LITTLETON MANOR FARM -
 BARE EARTH

PINS REFERENCE NUMBER:
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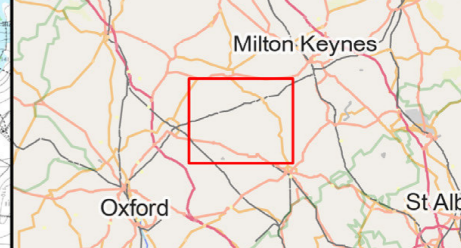




- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Woodland (modelled at 10m)
 - Buildings (modelled at 6m)
 - Littleton Manor Farm Wind Turbine



Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



Rev	Date	Description	Drn	Chk	App
02	MAR 2026	DEADLINE 1	RSK	RSK	EDF
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

Rosefield Solar Farm

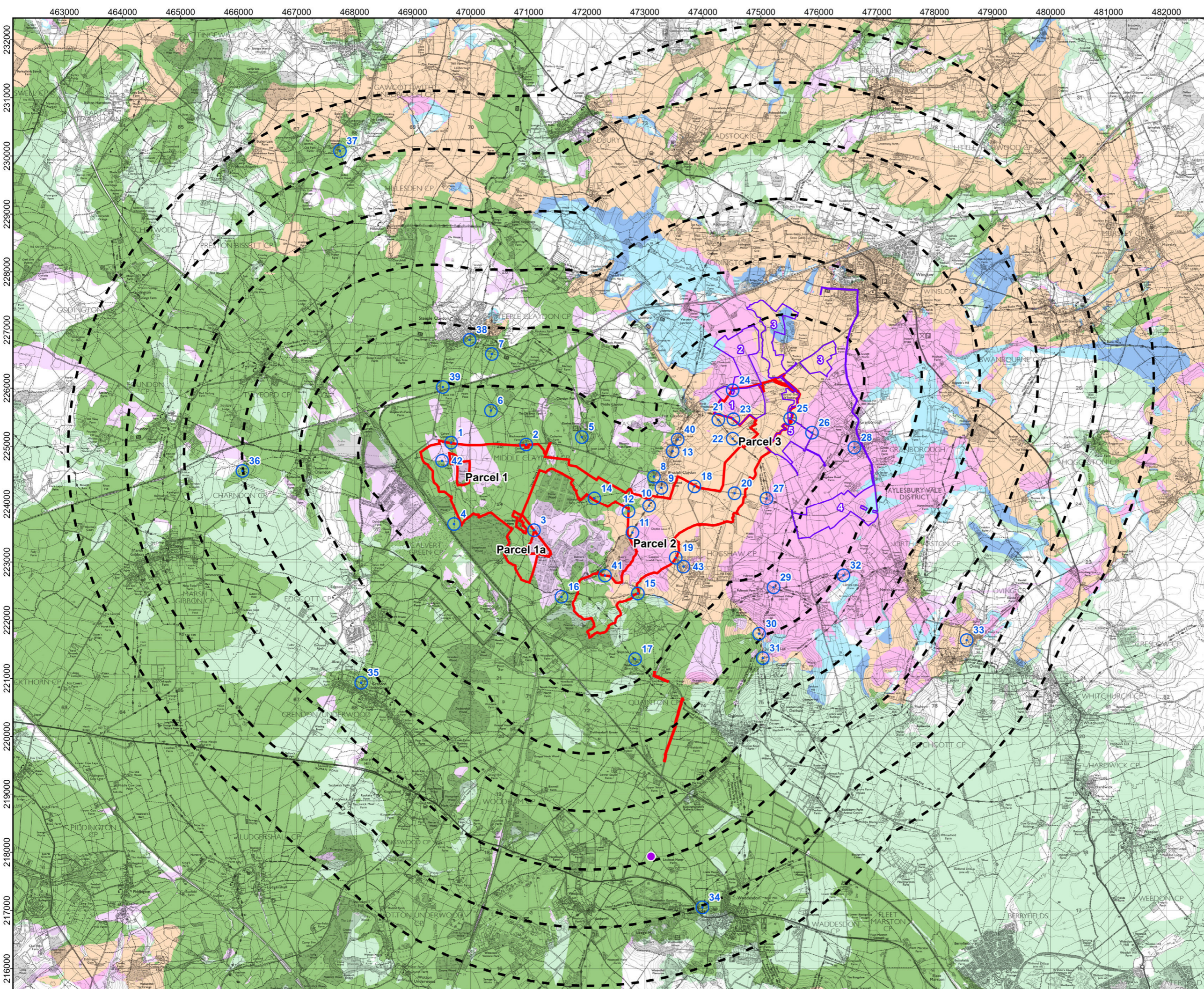
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 VOLUME 3: FIGURES
 REGULATION 5(2)(a)

TITLE:
 FIGURE 17.8b
 CUMULATIVE ZTV - LITTLETON MANOR FARM -
 SCREENING

PINS REFERENCE NUMBER:
 EN010158/APP/6.3.2

Scale: 1:61,000 @ A3

REV 02



LEGEND:

- Order Limits
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Cumulative Sites - Boundaries
- 1 National Grid East Claydon Substation Extension
- 2 East Claydon Greener Grid Park
- 3 Tuckey Solar Farm
- 4 Longbreach Solar Farm
- 5 East Claydon BESS
- Littleton Manor Farm Wind Turbine

Zone of Theoretical Visibility

Any cumulative site (excluding Littleton Manor Farm wind turbine) may be visible

Rosefield may be visible

Littleton Manor Farm wind turbine may be visible

All may be visible

Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



02	MAR 2026	DEADLINE 1	RSK	RSK	EDF
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL
Rev	Date	Description	Drn	Chk	App

Rosefield Solar Farm

DOCUMENT:
 ENVIRONMENTAL STATEMENT
 VOLUME 3: FIGURES
 REGULATION 5(2)(a)

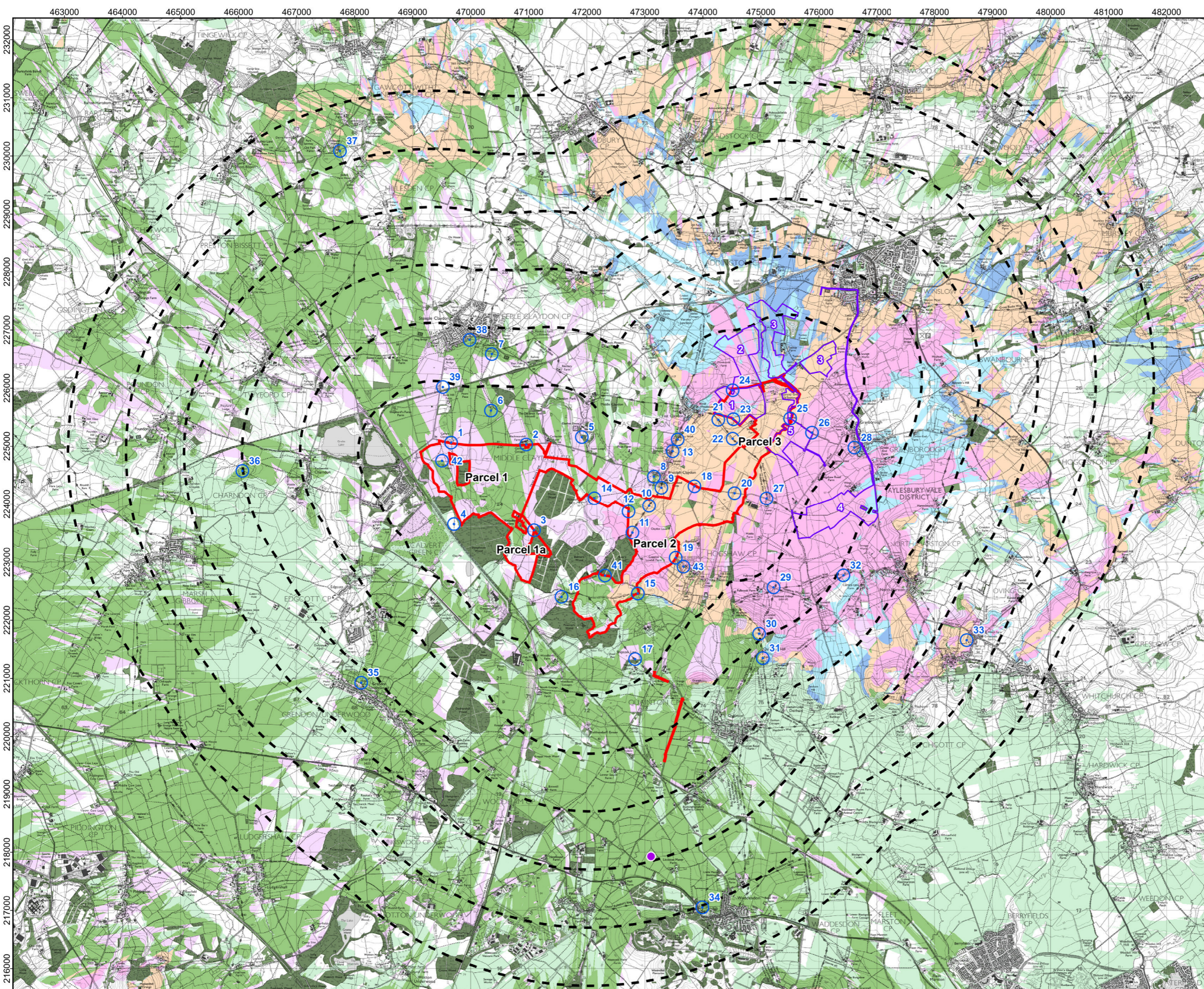
TITLE:
 FIGURE 17.9a
 CUMULATIVE ZTV - ALL CUMULATIVE SITES -
 BARE EARTH

PINS REFERENCE NUMBER:
 EN010158/APP/6.3.2

Kilometers

Scale: 1:61,000 @ A3

REV 02



LEGEND:

- Order Limits
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Woodland (modelled at 10m)
- Buildings (modelled at 6m)
- Cumulative Sites - Boundaries

- 1 National Grid East Claydon Substation Extension
- 2 East Claydon Greener Grid Park
- 3 Tuckey Solar Farm
- 4 Longbreach Solar Farm
- 5 East Claydon BESS

● Littleton Manor Farm Wind Turbine

Zone of Theoretical Visibility
Any cumulative site (excluding Littleton Manor Farm wind turbine) may be visible

Rosefield may be visible

Littleton Manor Farm wind turbine may be visible

All may be visible

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



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DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 17.9b
CUMULATIVE ZTV - ALL CUMULATIVE SITES -
SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3.2

Kilometers

Scale: 1:61,000 @ A3

REV 02

