

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/6.3.4
Revision 4
Deadline 5
July 2026
Rosefield Energyfarm Limited

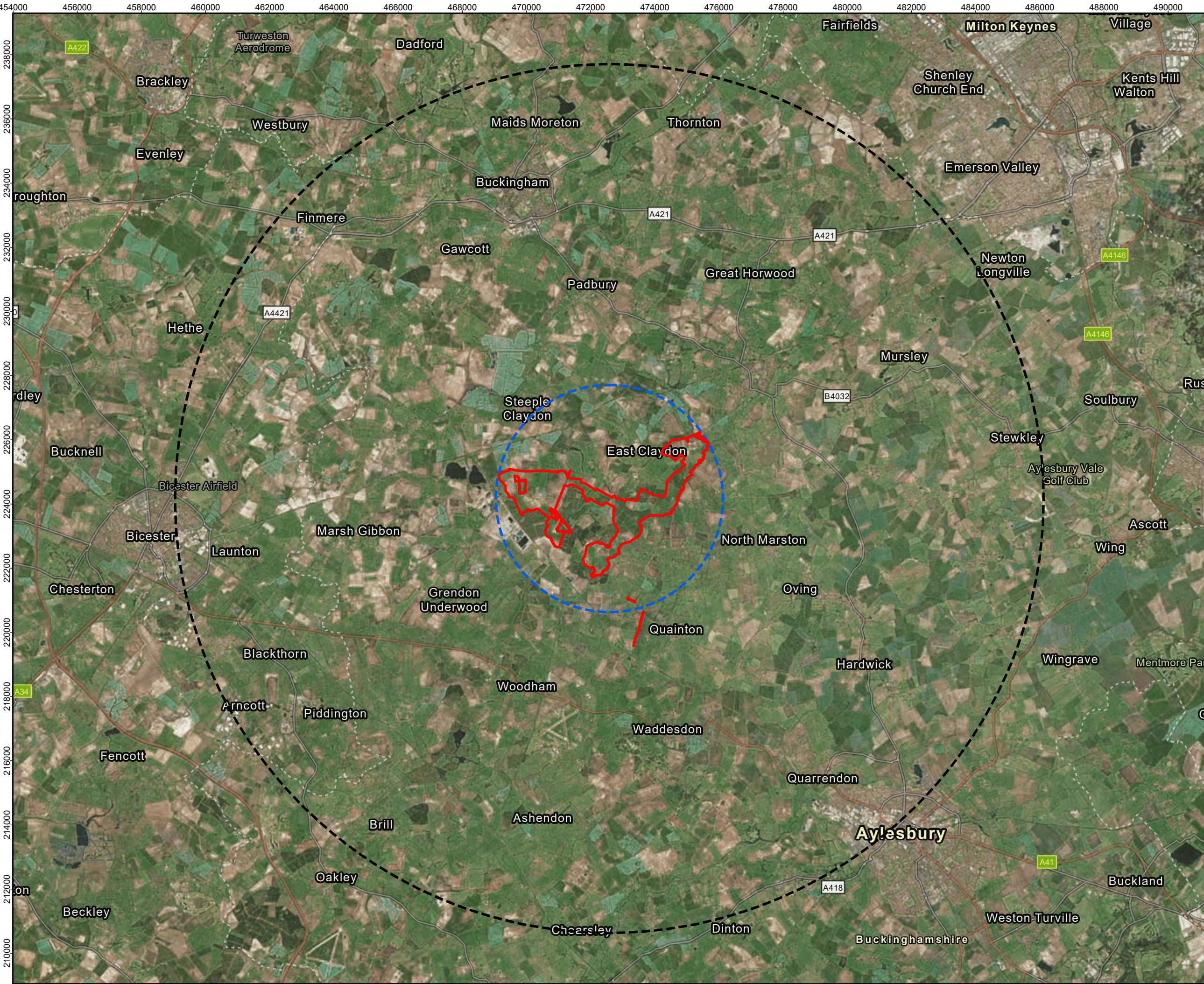


ES Volume 3: Figures

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	03	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	No change required.
17.8 b	02	Cumulative ZTV – Rosefield and Littleton Manor Farm - Screening	1:61,000 @ A3	No change required.
17.9 a	02	Cumulative ZTV – All Cumulative Sites – Bare Ground	1:61,000 @ A3	No change required.
17.9 b	02	Cumulative ZTV – All Cumulative Sites – Screening	1:61,000 @ A3	No change required.
17.10	01	Residential properties within 250m of the Order Limits excluding Finmerehill House, Dry Leys Farmhouse and Muxwell Farm	1:28,000 @ A3	No change required.



LEGEND:

- Order Limits
- Bounding Circle
- Zone of Influence

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

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

Rosefield Solar Farm

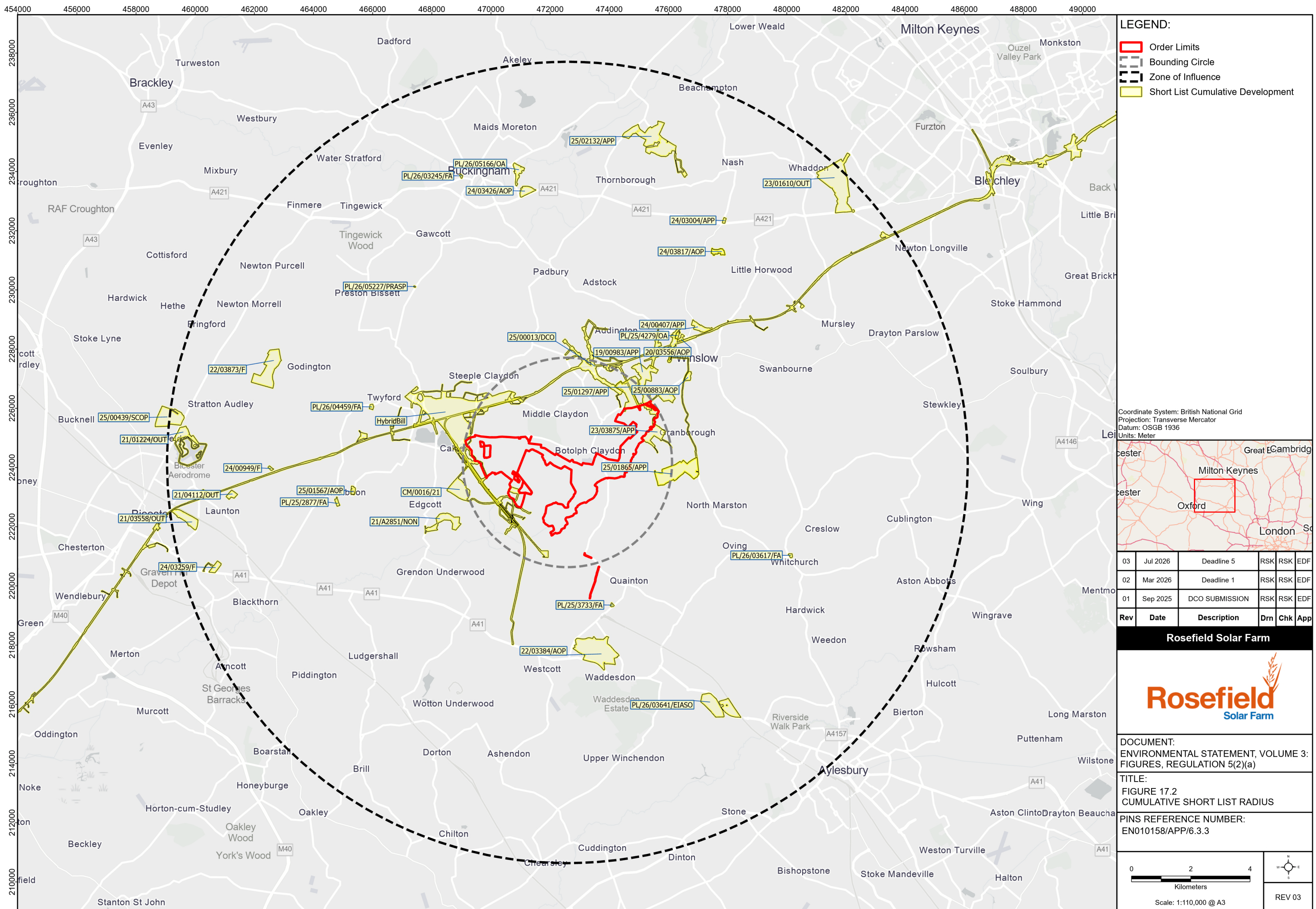
DOCUMENT:
ENVIRONMENTAL STATEMENT, VOLUME 3:
FIGURES, REGULATION 5(2)(a)

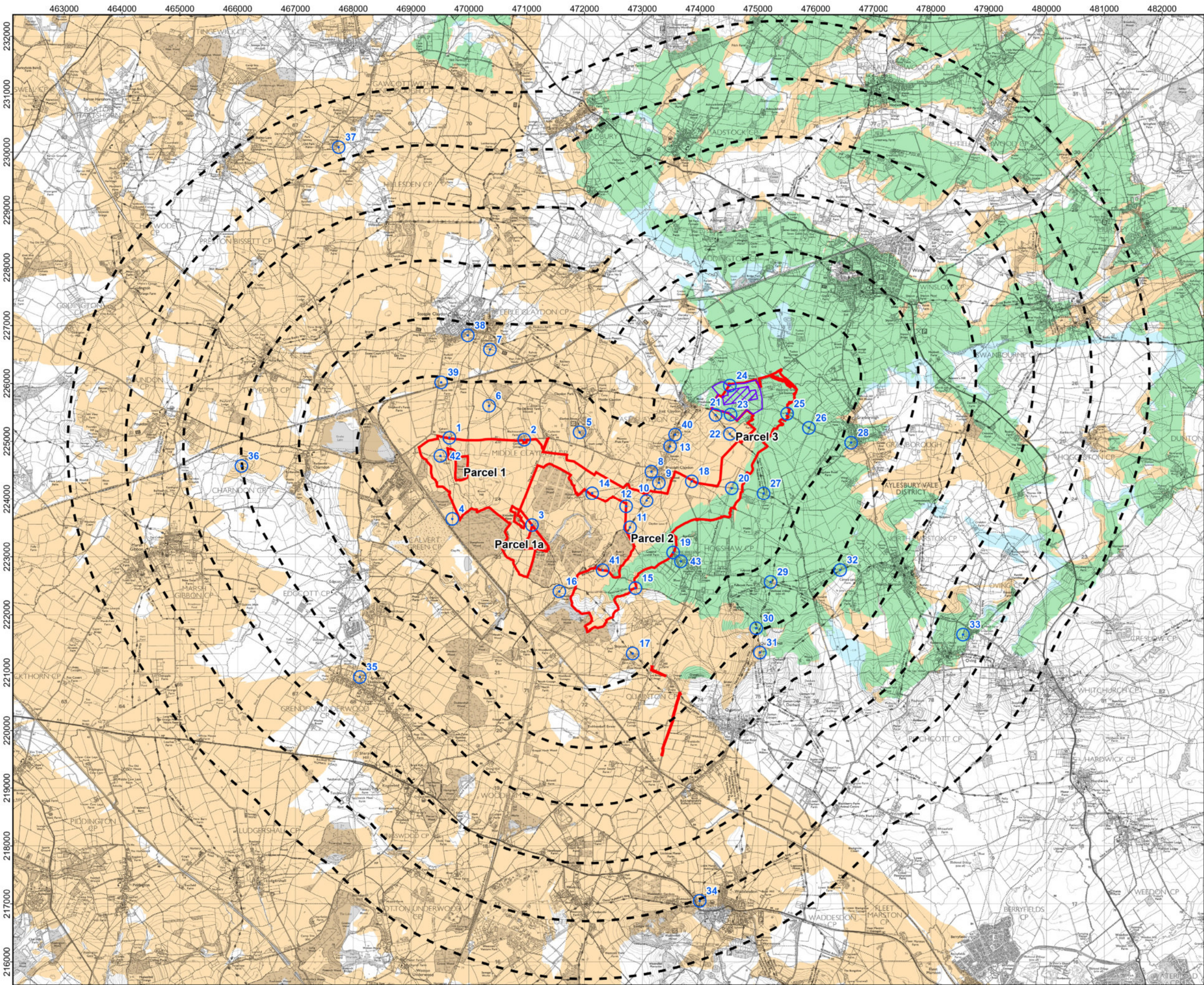
TITLE:
FIGURE 17.1
CUMULATIVE ZONE OF INFLUENCE

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:110,000 @ A3

REV 01

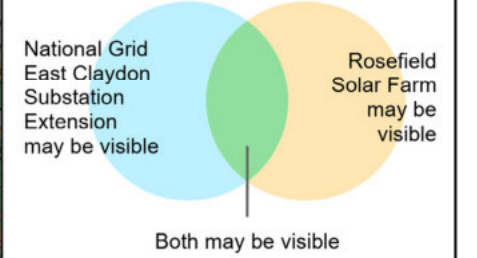




LEGEND:

- 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

Zone of Theoretical Visibility



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

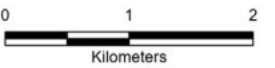
Rosefield Solar Farm



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

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

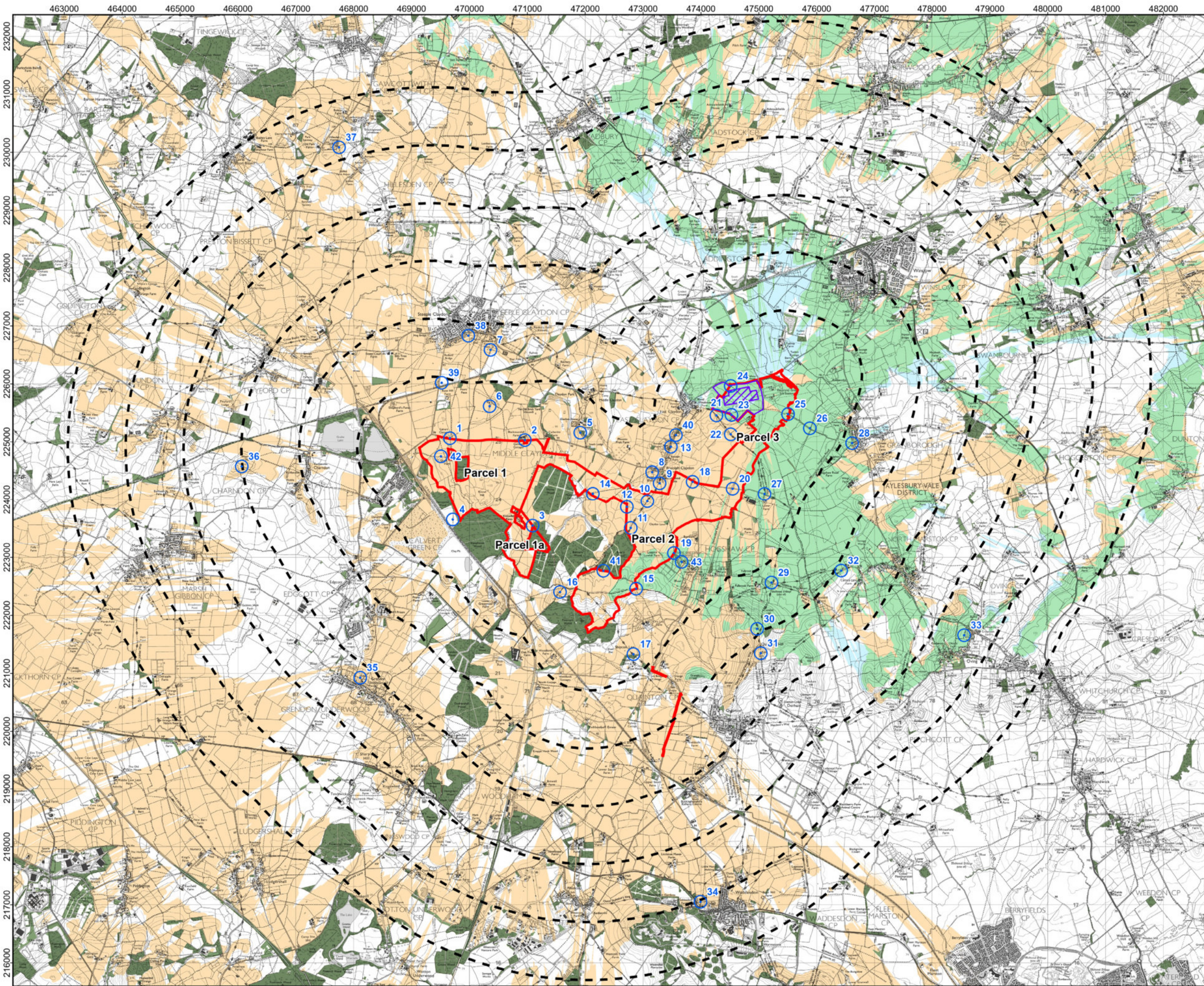
PINS REFERENCE NUMBER:
EN010158/APP/6.3



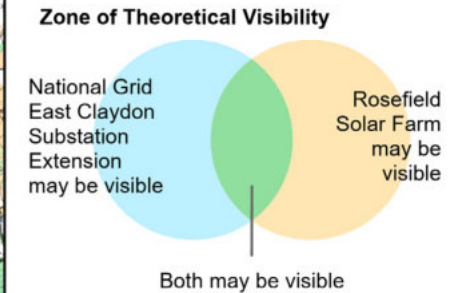
Scale: 1:61,000 @ A3



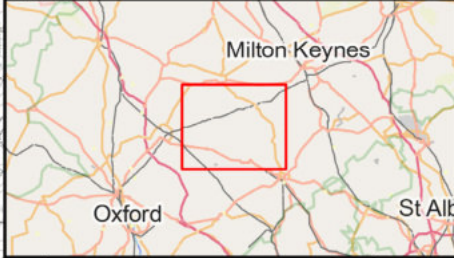
REV 01



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



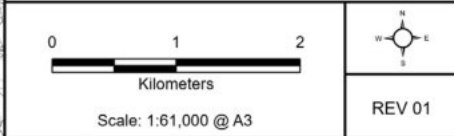
Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

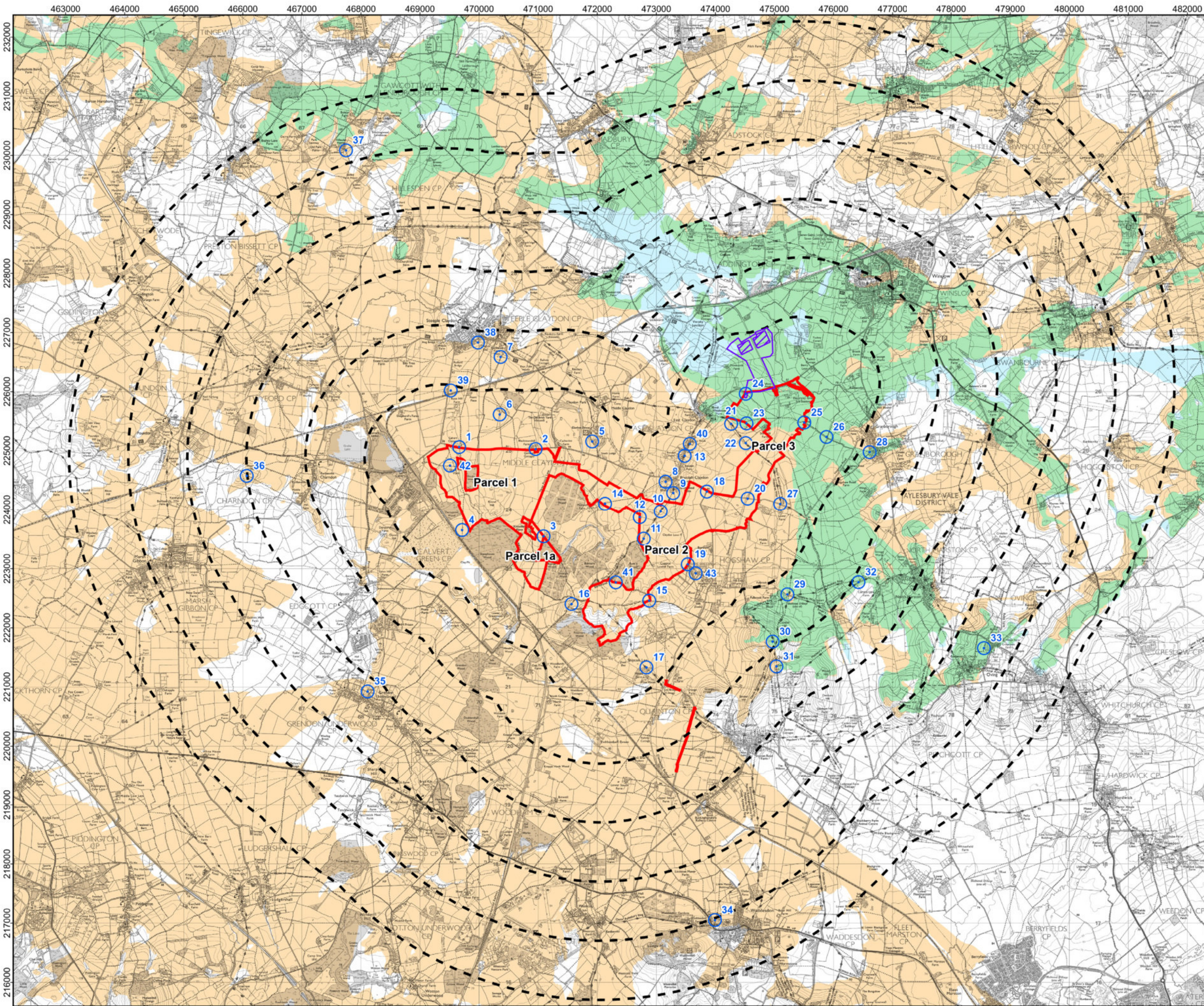
Rosefield Solar Farm

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

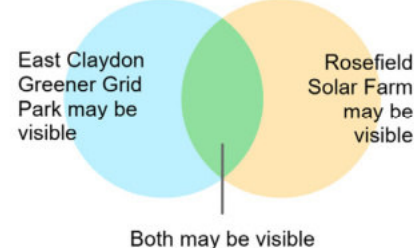




LEGEND:

- 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



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	SEP 2025	First Draft	MP	DL	JL

Rosefield Solar Farm

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

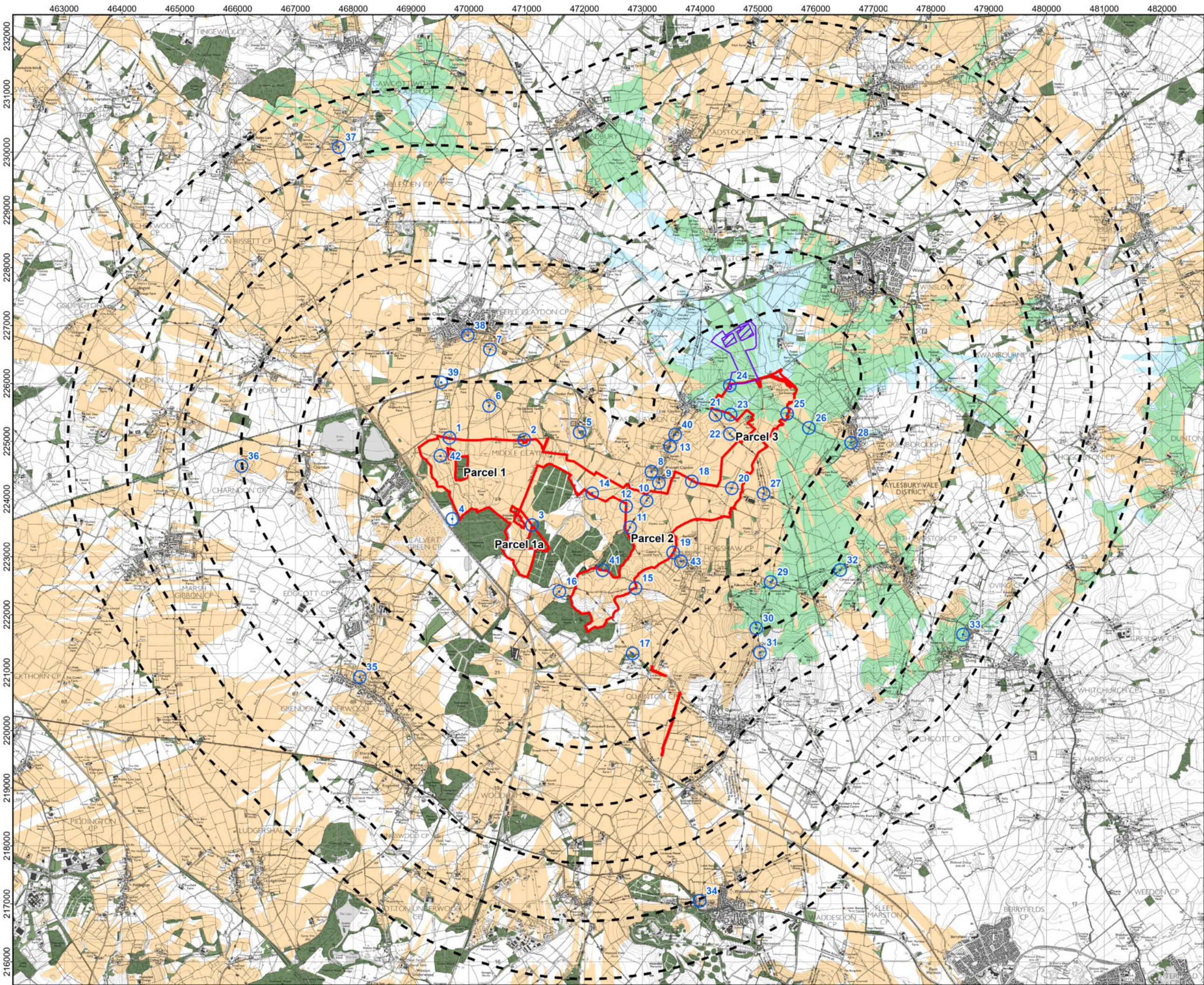
TITLE:
FIGURE 17.4a
CUMULATIVE ZTV - EAST CLAYDON GREENER
GRID PARK - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3

0 1 2
Kilometers

Scale: 1:61,000 @ A3

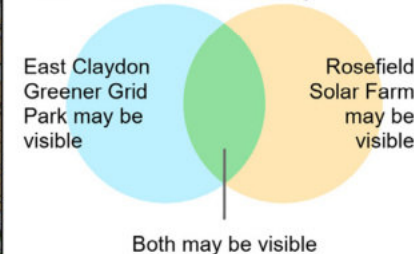
REV 01



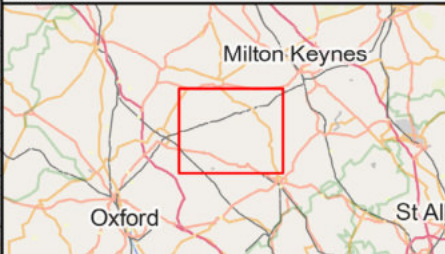
LEGEND:

- 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



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



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

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

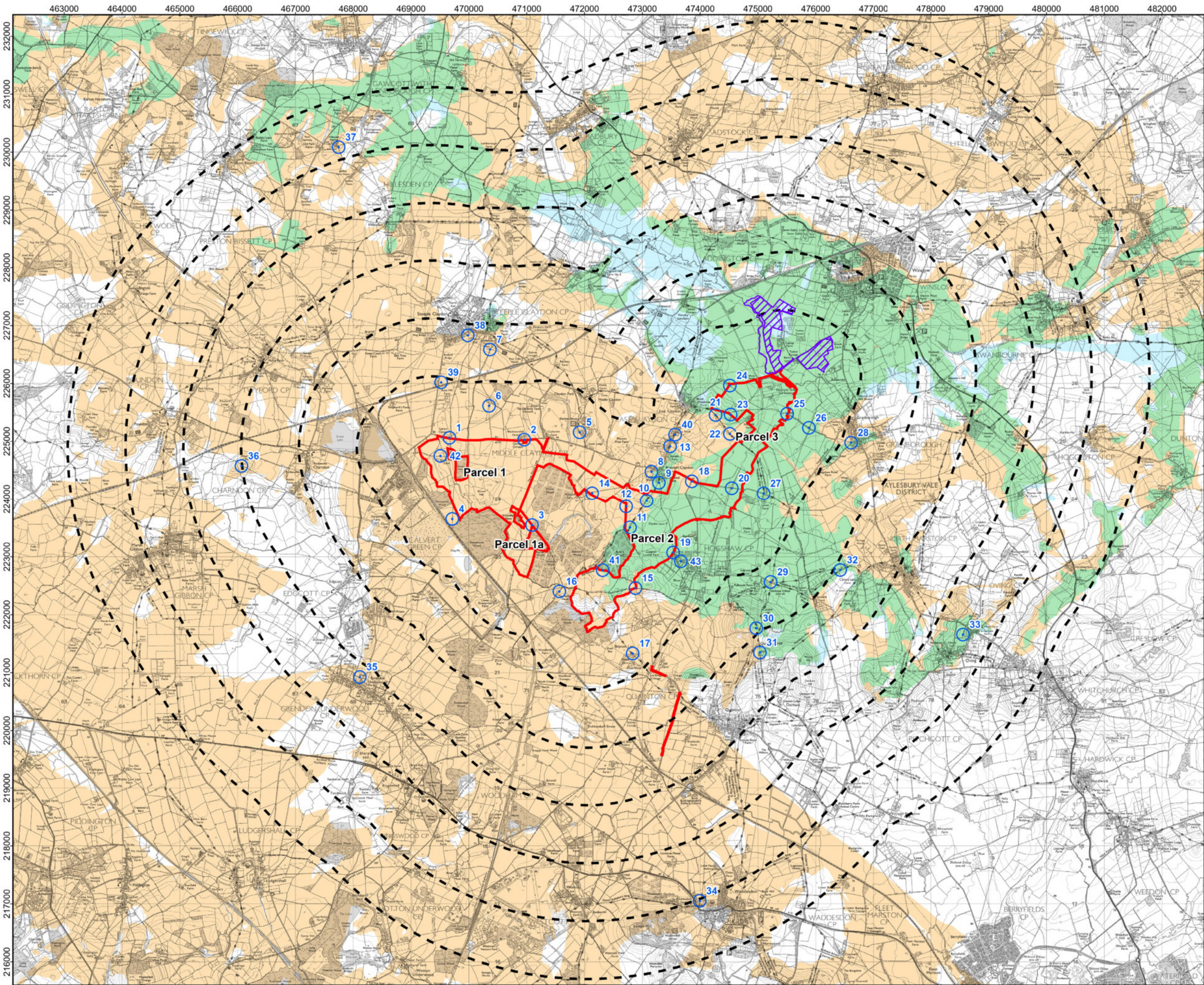
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:61,000 @ A3



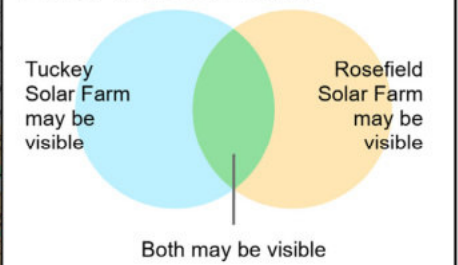
REV 01



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



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

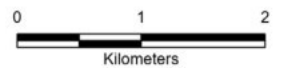
Rosefield Solar Farm



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

TITLE:
FIGURE 17.5a
CUMULATIVE ZTV - TUCKEY SOLAR FARM - BARE EARTH

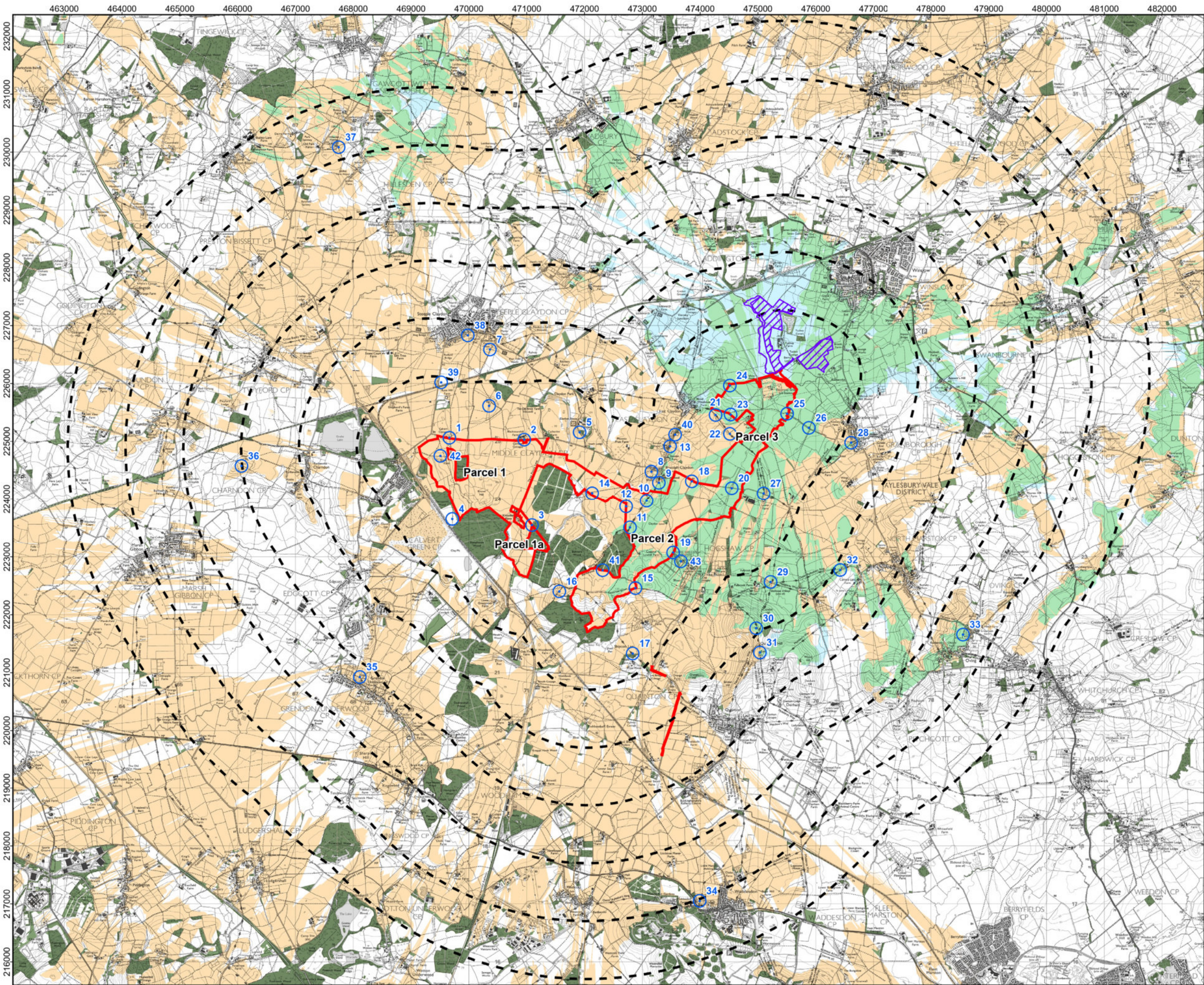
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:61,000 @ A3



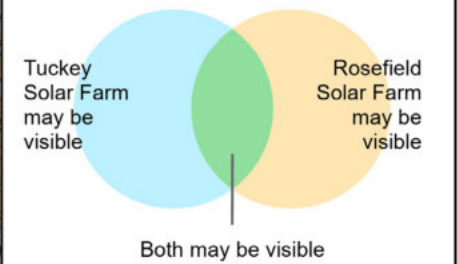
REV 01



LEGEND:

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

Zone of Theoretical Visibility



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

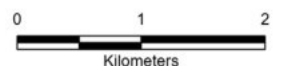
Rosefield Solar Farm



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

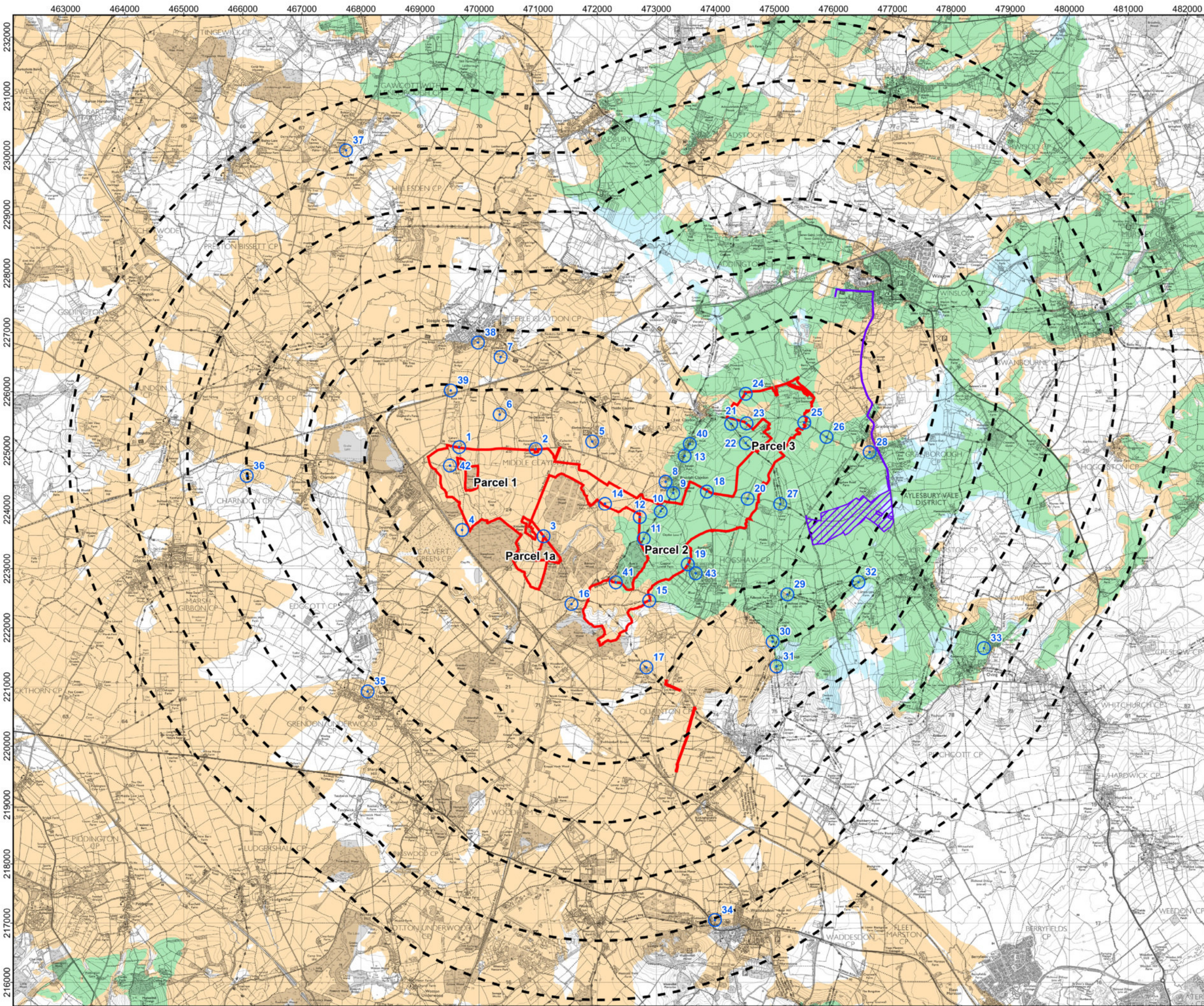
TITLE:
FIGURE 17.5b
CUMULATIVE ZTV - TUCKEY SOLAR FARM -
SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:61,000 @ A3

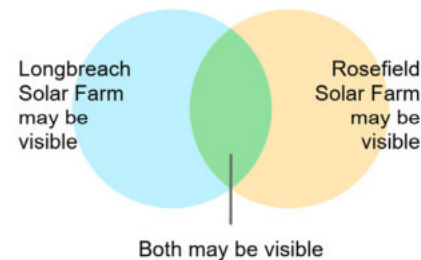
REV 01



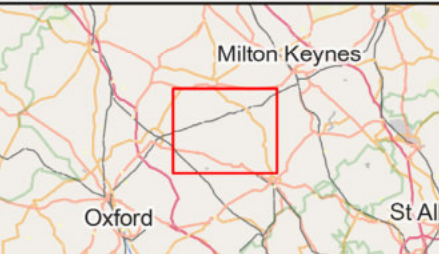
LEGEND:

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

Zone of Theoretical Visibility



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

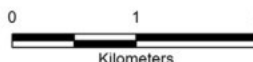
Rosefield Solar Farm



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

TITLE:
FIGURE 17.6a
CUMULATIVE ZTV - LONGBREACH SOLAR FARM-
BARE EARTH

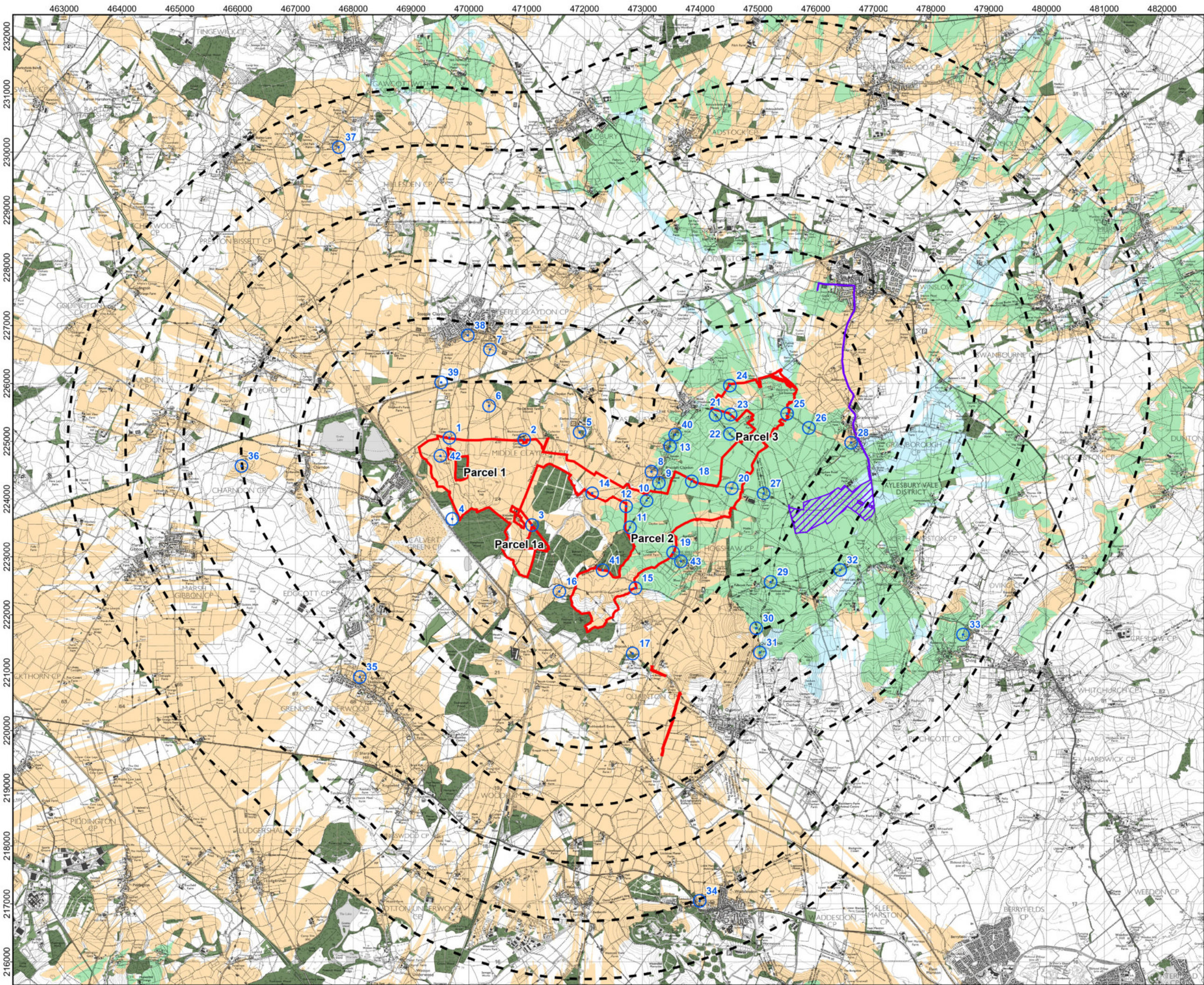
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:61,000 @ A3



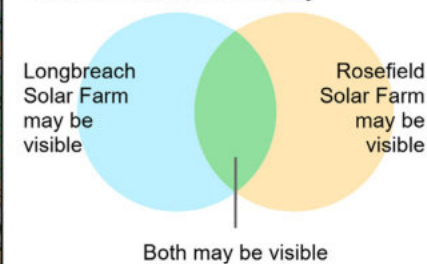
REV 01



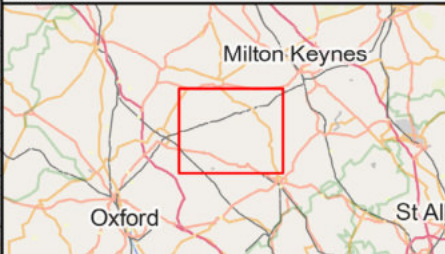
LEGEND:

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

Zone of Theoretical Visibility



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

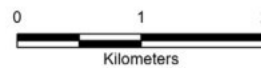
Rosefield Solar Farm



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

TITLE:
FIGURE 17.6b
CUMULATIVE ZTV - LONGBREACH SOLAR FARM -
SCREENING

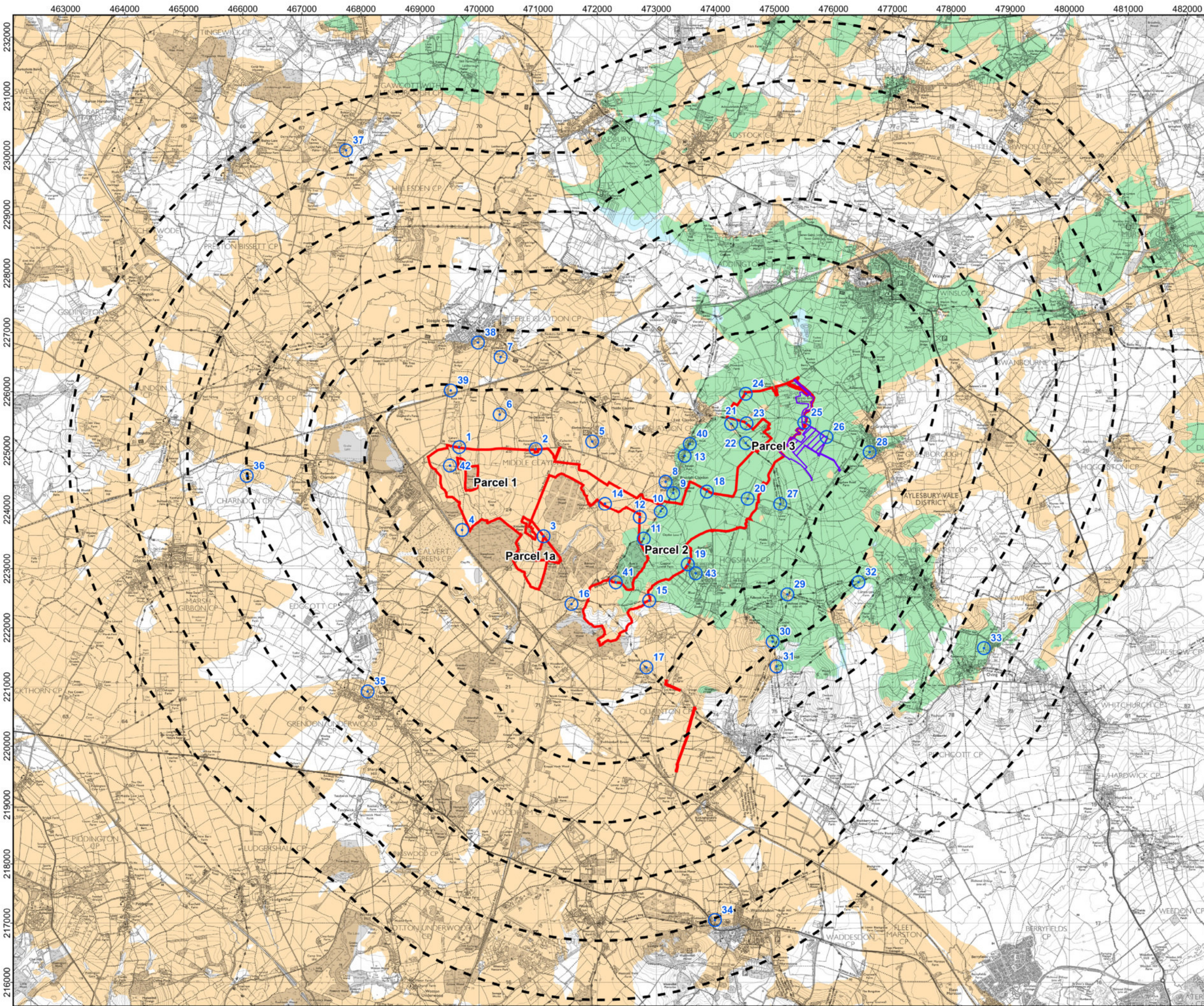
PINS REFERENCE NUMBER:
EN010158/APP/6.3



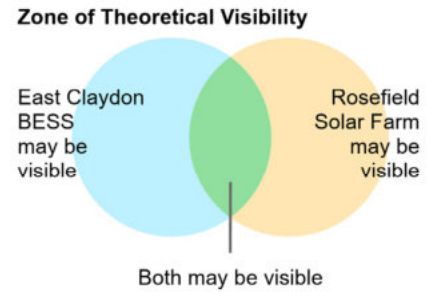
Scale: 1:61,000 @ A3



REV 01



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



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

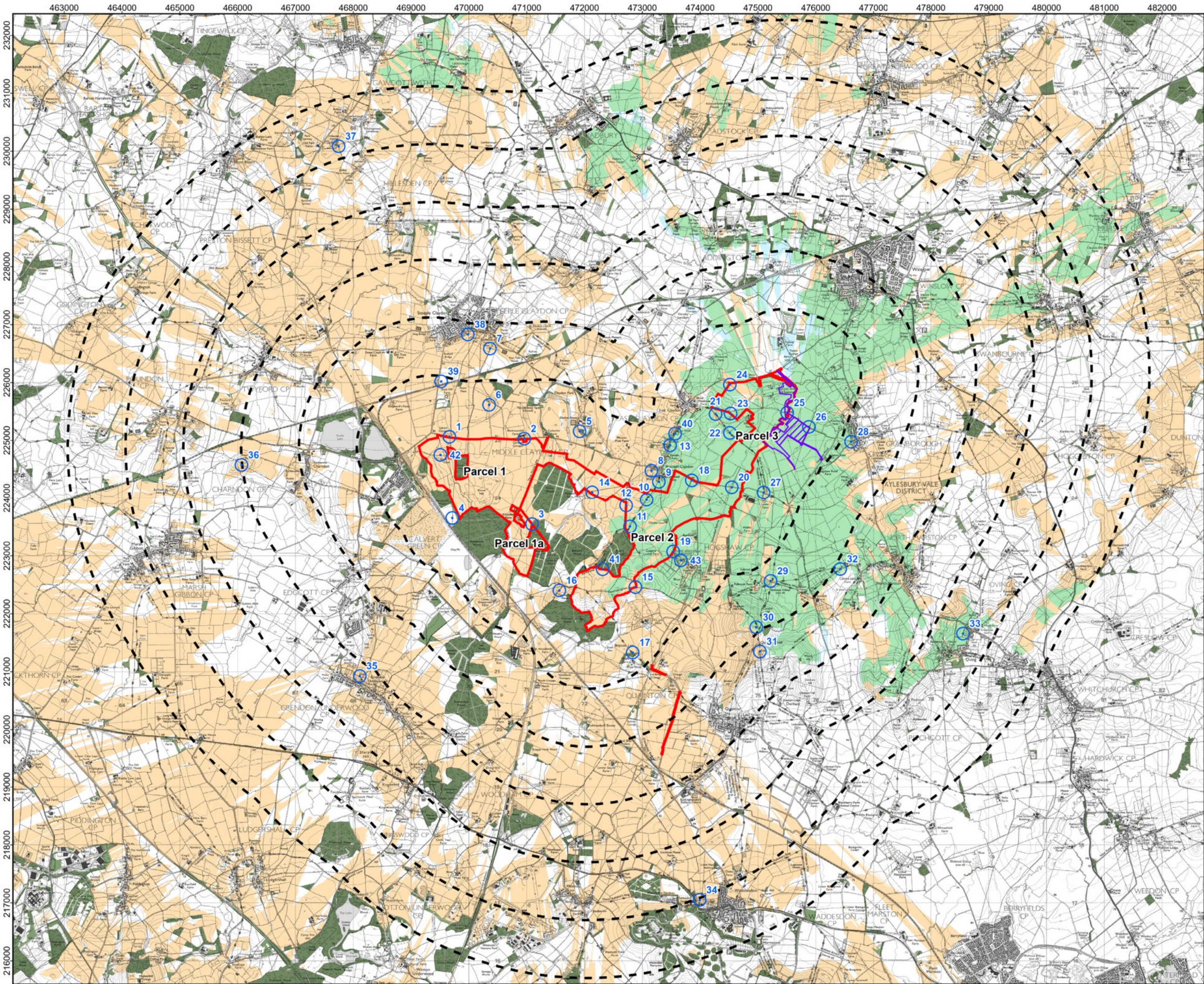
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 17.7a
CUMULATIVE ZTV - EAST CLAYDON BESS - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:61,000 @ A3

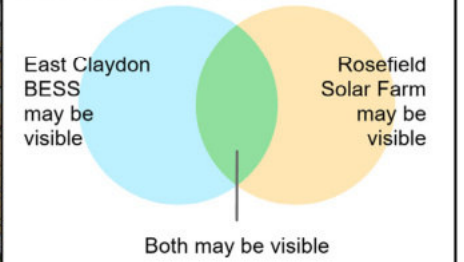
REV 01



LEGEND:

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

Zone of Theoretical Visibility



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

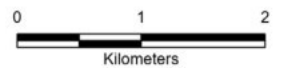
Rosefield Solar Farm



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

TITLE:
FIGURE 17.7b
CUMULATIVE ZTV - EAST CLAYDON BESS -
SCREENING

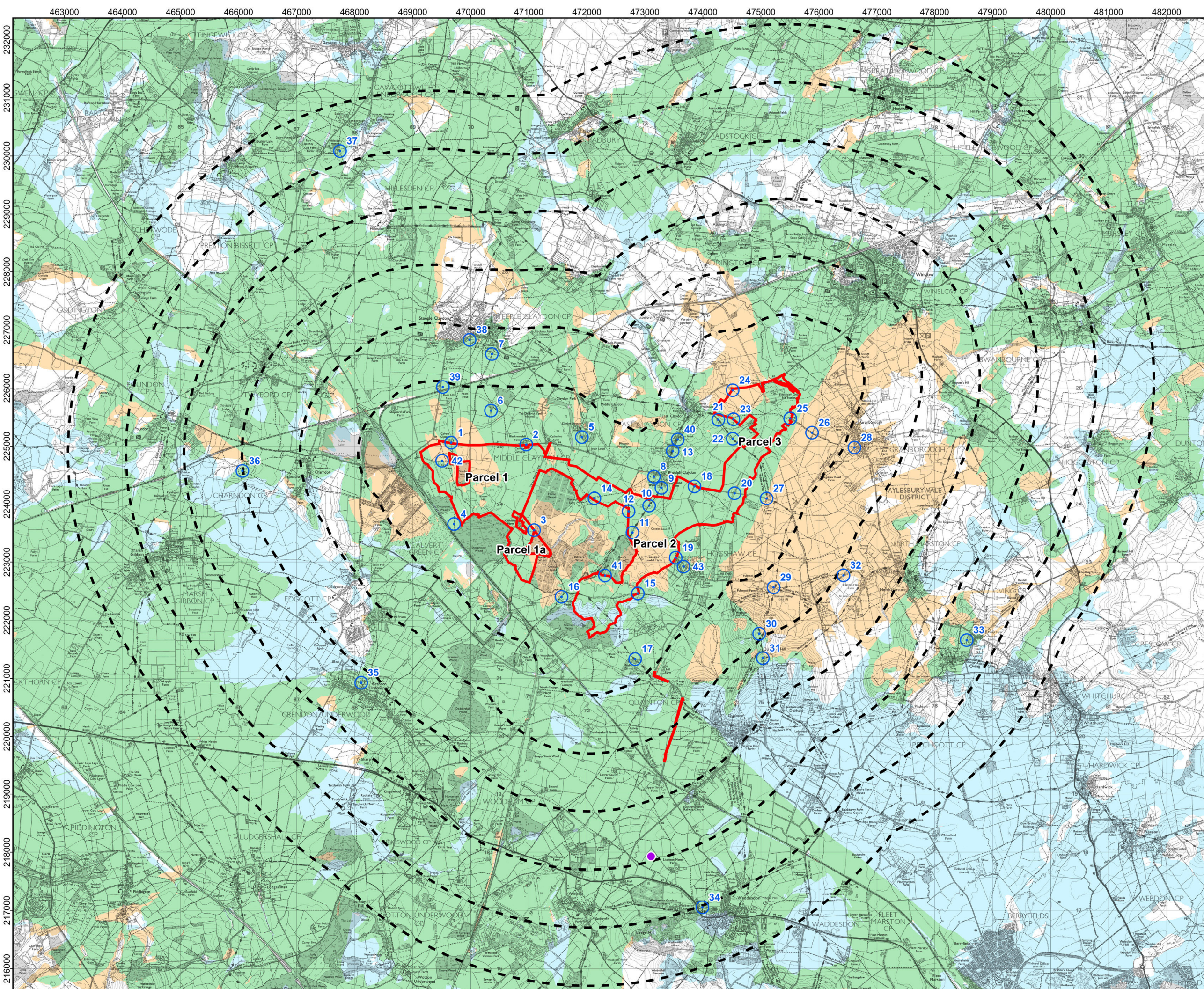
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:61,000 @ A3

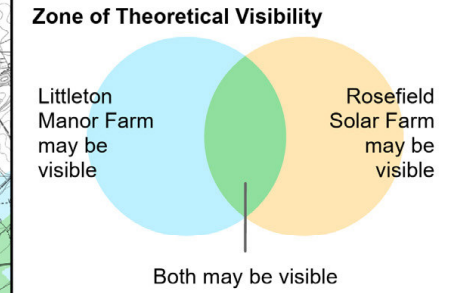


REV 01

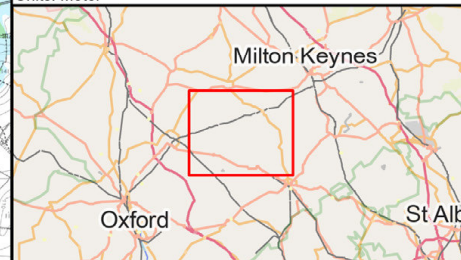


LEGEND:

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



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

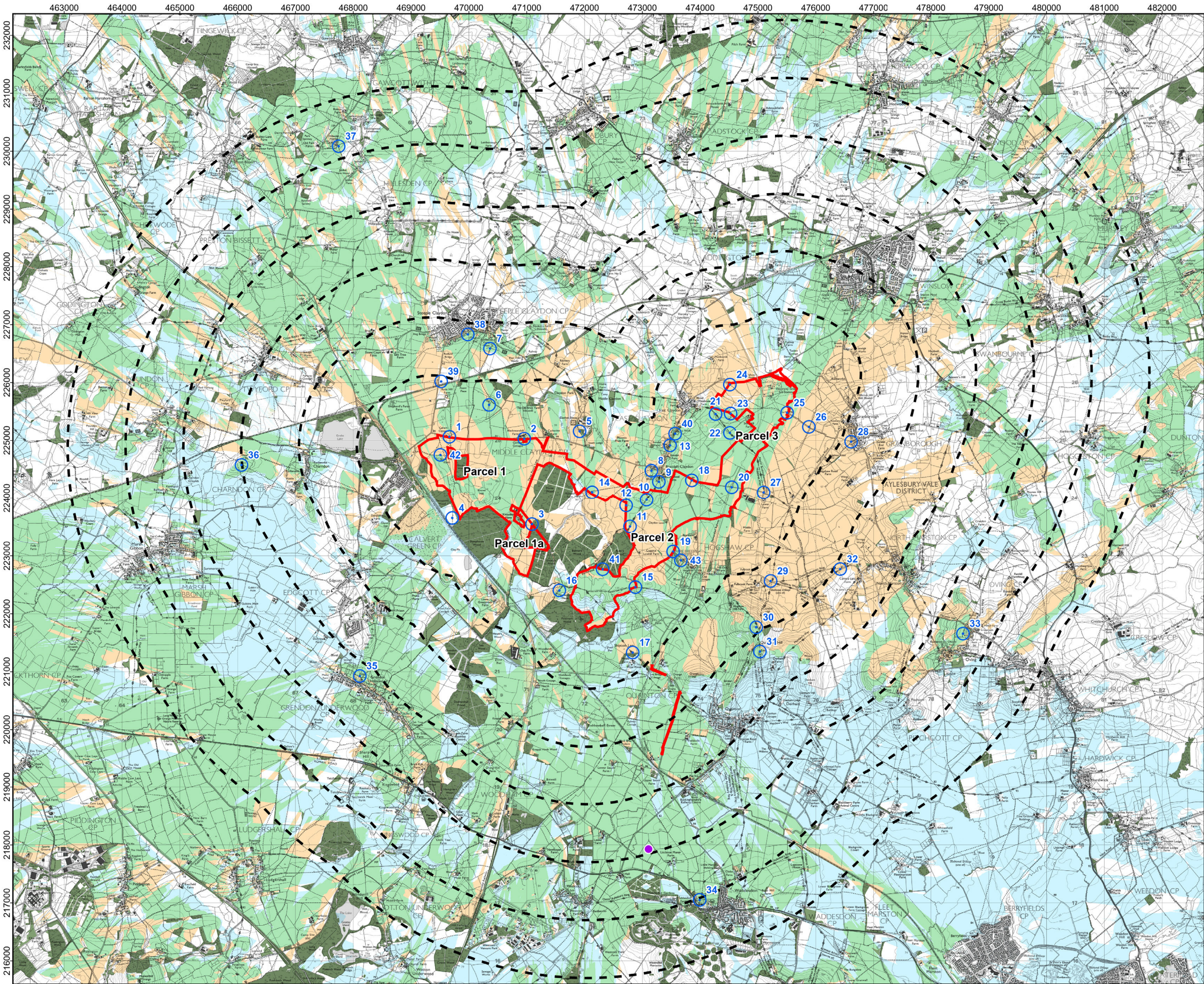
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

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

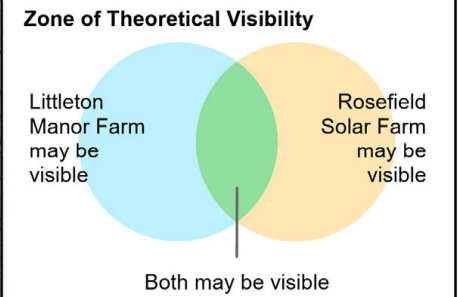
PINS REFERENCE NUMBER:
EN010158/APP/6.3.2

Scale: 1:61,000 @ A3

REV 02



- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - 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



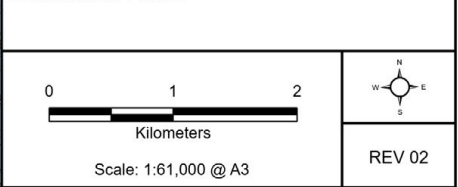
02	MAR 2026	DEADLINE 1	RSK	RSK	EDF
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL
Rev	Date	Description	Drn	Chk	App

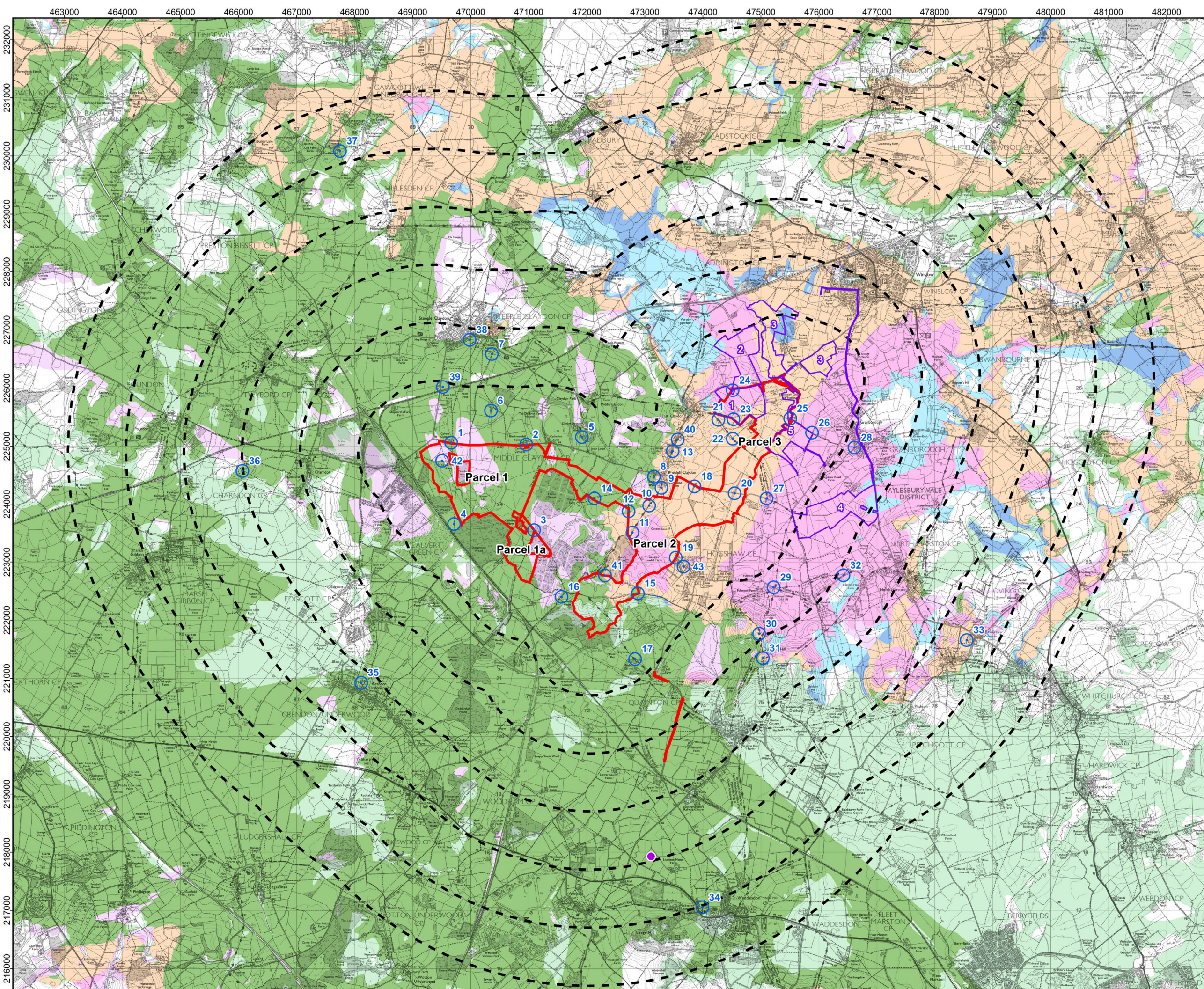


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

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

PINS REFERENCE NUMBER:
EN010158/APP/6.3.2





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

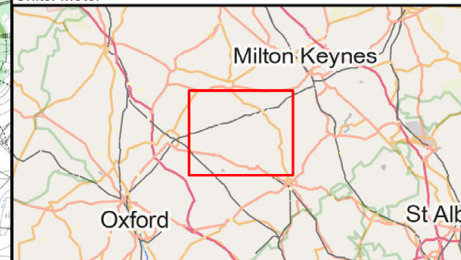
Zone of Theoretical Visibility

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

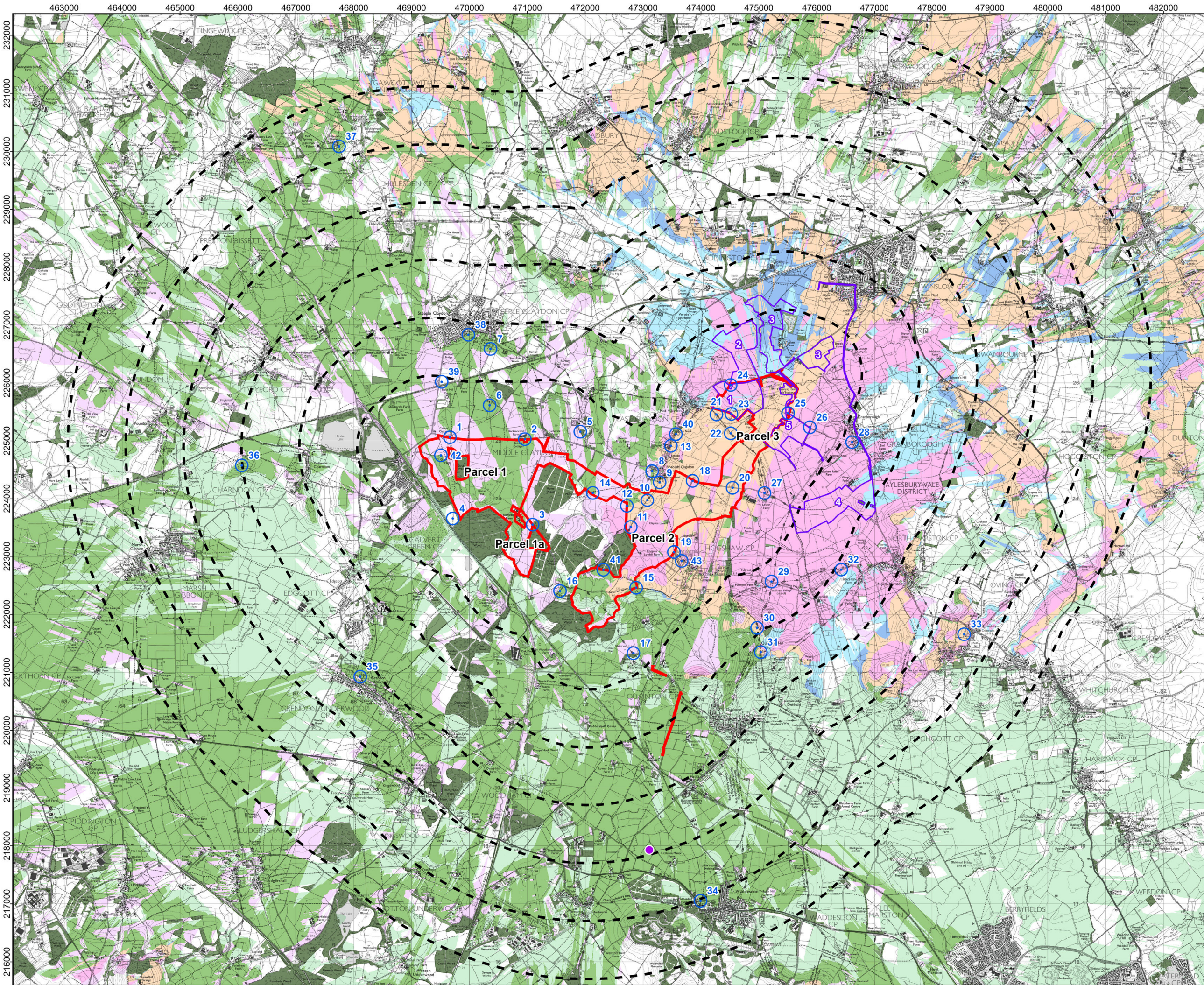
N

S

E

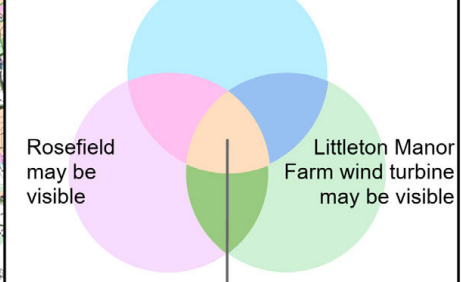
W

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



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 17.9b
CUMULATIVE ZTV - ALL CUMULATIVE SITES -
SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3.2

