

Rosefield Solar Farm

Environmental Statement

Voume 3
Chapter 10: Landscape and Visual Figures

APFP Regulation 5(2)(a)
Planning Act 2008
Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009
EN010158/APP/6.3
September 2025
Rosefield Energyfarm Limited



ES Volume 3: Figures

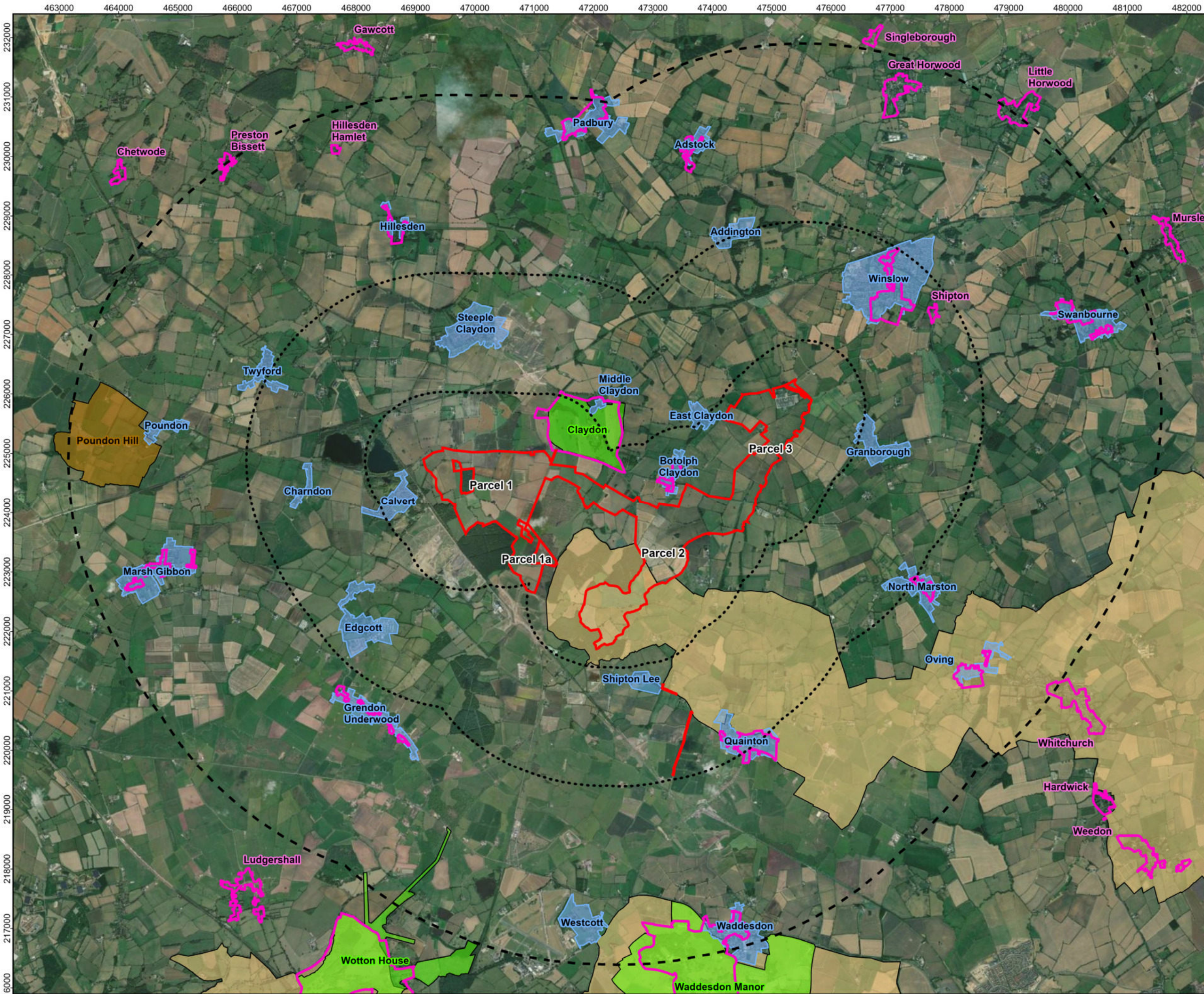
Chapter 10: Landscape and Visual

Drawing number	Revision number	Drawing title	Scale
10.1	01	Landscape Study Area, Context and Designations	1:60,000 @ A3
10.2	01	Topography and Land Cover	1:60,000 @ A3
10.3	01	National Character Areas	1:60,000 @ A3
10.4	01	District Landscape Character Types and Areas	1:65,000 @ A3
10.5a	01	Visual Receptors Within 2km – Overview	1:40,000 @ A3
10.5b	01	Visual Receptors Within 2km – Parcel 1	1:23,000 @ A3
10.5c	01	Visual Receptors Within 2km – Parcel 2	1:23,000 @ A3
10.5d	01	Visual Receptors Within 2km – Parcel 3	1:23,000 @ A3
10.6	01	Viewpoint Locations	1:50,000 @ A3
10.7a	01	ZTV of Solar PV Modules Combined Parcels – Bare Earth	1:60,000 @ A3
10.7b	01	ZTV of Solar PV Modules Parcel 1 – Bare Earth	1:50,000 @ A3
10.7c	01	ZTV of Solar PV Modules Parcel 2– Bare Earth	1:55,000 @ A3
10.7d	01	ZTV of Solar PV Modules Parcel 3 – Bare Earth	1:50,000 @ A3

10.8a	01	ZTV of Solar PV Modules Combined Parcels – Standard Screening	1:60,000 @ A3
10.8b	01	ZTV of Solar PV Modules Parcel 1 – Standard Screening	1:50,000 @ A3
10.8c	01	ZTV of Solar PV Modules Parcel 2 – Standard Screening	1:55,000 @ A3
10.8d	01	ZTV of Solar PV Modules Parcel 3 – Standard Screening	1:50,000 @ A3
10.9a	01	ZTV of Solar PV Modules Combined Parcels – Detailed Screening	1:62,204 @ A3
10.9b	01	Solar PV Modules Parcel 1 – Detailed Screening	1:50,000 @ A3
10.9c	01	Solar PV Modules Parcel 2 – Detailed Screening	1:55,000 @ A3
10.9d	01	Solar PV Modules Parcel 3 – Detailed Screening	1:50,000 @ A3
10.10a	01	ZTV of Siting Zone for Structures up to 6m Parcel 1 – Bare Earth	1:50,000 @ A3
10.10b	01	ZTV of Siting Zone for Structures up to 6m Parcel 1 – Standard Screening	1:50,000 @ A3
10.11a	01	ZTV of Siting Zone for Structures up to 6m Parcel 2 – Bare Earth	1:50,000 @ A3

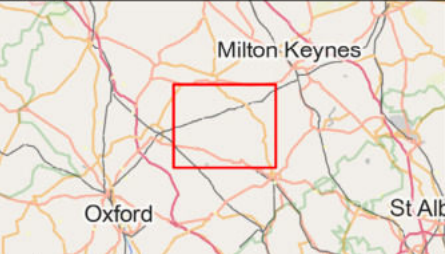
10.11b	01	ZTV of Siting Zone for Structures up to 6m Parcel 2 – Standard Screening	1:50,000 @ A3
10.12a	01	ZTV of Siting Zone for Structures up to 15m and 6m Parcel 3 – Bare Earth	1:50,000 @ A3
10.12b	01	ZTV of Siting Zone for Structures up to 15m and 6m Parcel 3 – Standard Screening	1:50,000 @ A3
10.13	01	Residential Property Location Plan	1:25,000 @ A3
10.14	01	RVAA Property Plan – 1-2 Calvert Cottages, Steeple Claydon	1:1,500 @ A3
10.15	01	RVAA Property Plan – 3 Calvert Cottages, Steeple Claydon	1:1,500 @ A3
10.16	01	RVAA Property Plan – 4-5 Calvert Cottages, Steeple Claydon	1:1,500 @ A3
10.17	01	RVAA Property Plan – Granary Cottage, Steeple Claydon	1:1,500 @ A3
10.18	01	RVAA Property Plan – Pond Farm, Steeple Claydon	1:1,500 @ A3
10.19	01	RVAA Property Plan – The Old Dairy, Steeple Claydon	1:1,500 @ A3
10.20	01	RVAA Property Plan – Knowlhill Cottage, Steeple Claydon	1:1,500 @ A3

10.21	01	RVAA Property Plan – 1-2 Blackmorehill Cottages, Middle Claydon	1:1,500 @ A3
10.22	01	RVAA Property Plan – 4-5 Catherine Cottages, Middle Claydon	1:1,500 @ A3
10.23	01	RVAA Property Plan – 6-7 Catherine Cottages, Middle Claydon	1:1,500 @ A3
10.24	01	RVAA Property Plan – Bernwood Farm, Botolph Claydon	1:1,500 @ A3
10.25	01	RVAA Property Plan – Sion Hill Farm, Off Church Way	1:1,500 @ A3
10.26	01	RVAA Property Plan – Station House, East Claydon Road	1:3,000 @ A3



- LEGEND:**
- Order Limits
 - 6km LVIA Study Area
 - Distance Radii from All Proposed Built Development (1km and 3km)
 - Settlements
 - Registered Parks and Gardens
 - Conservation Areas
 - Aylesbury Vale Areas of Attractive Landscape
 - Aylesbury Vale Local Landscape Area - Poundon Hill

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

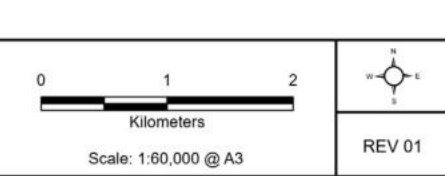
Rosefield Solar Farm

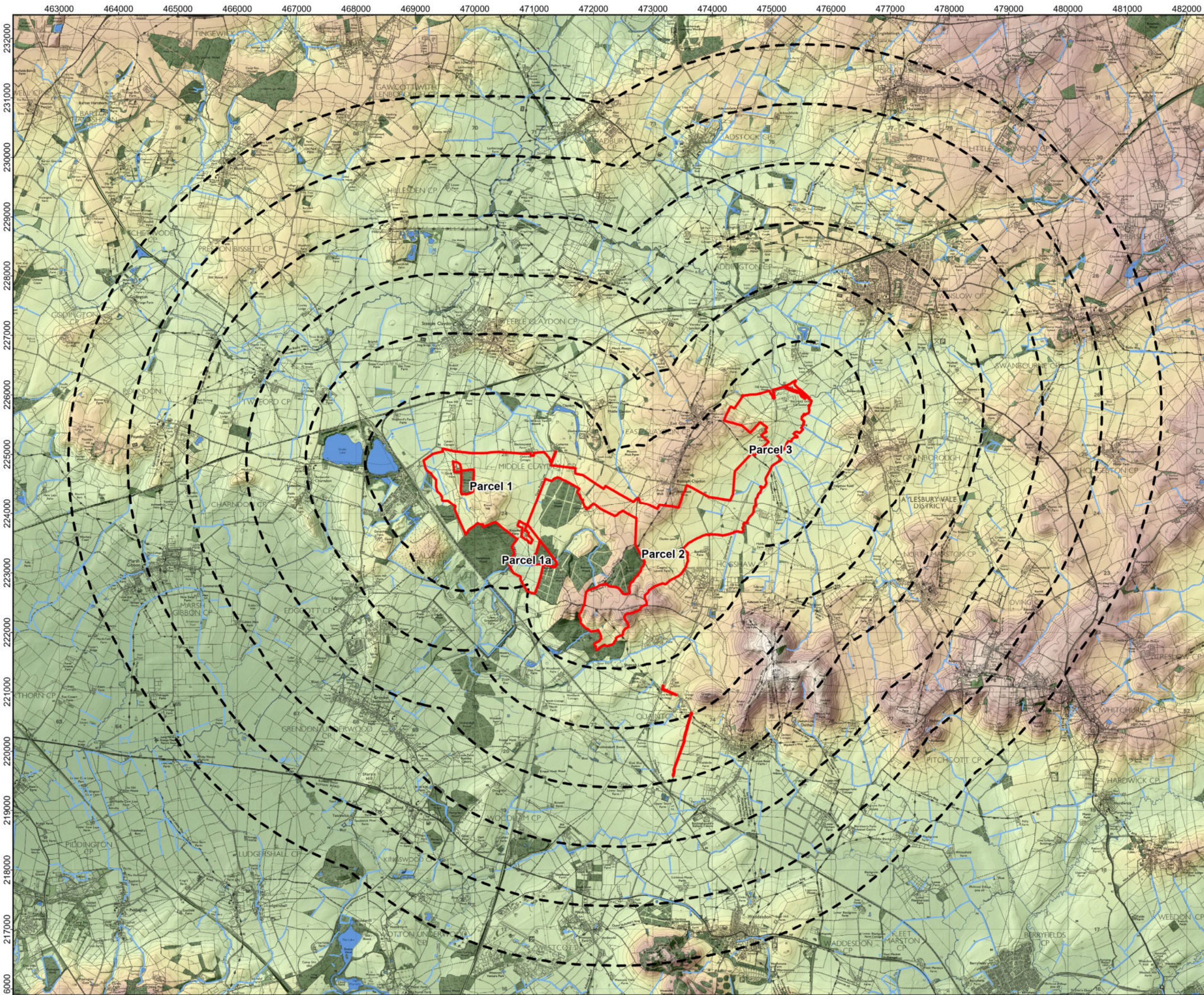


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.1
LANDSCAPE STUDY AREA, CONTEXT AND
DESIGNATIONS

PINS REFERENCE NUMBER:
EN010158/APP/6.3





LEGEND:

- Order Limits
- Distance Radii from All Proposed Built Development (1-6km)
- Watercourse/Waterbody
- Woodland

Elevation (AOD)

<200m
>55m

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

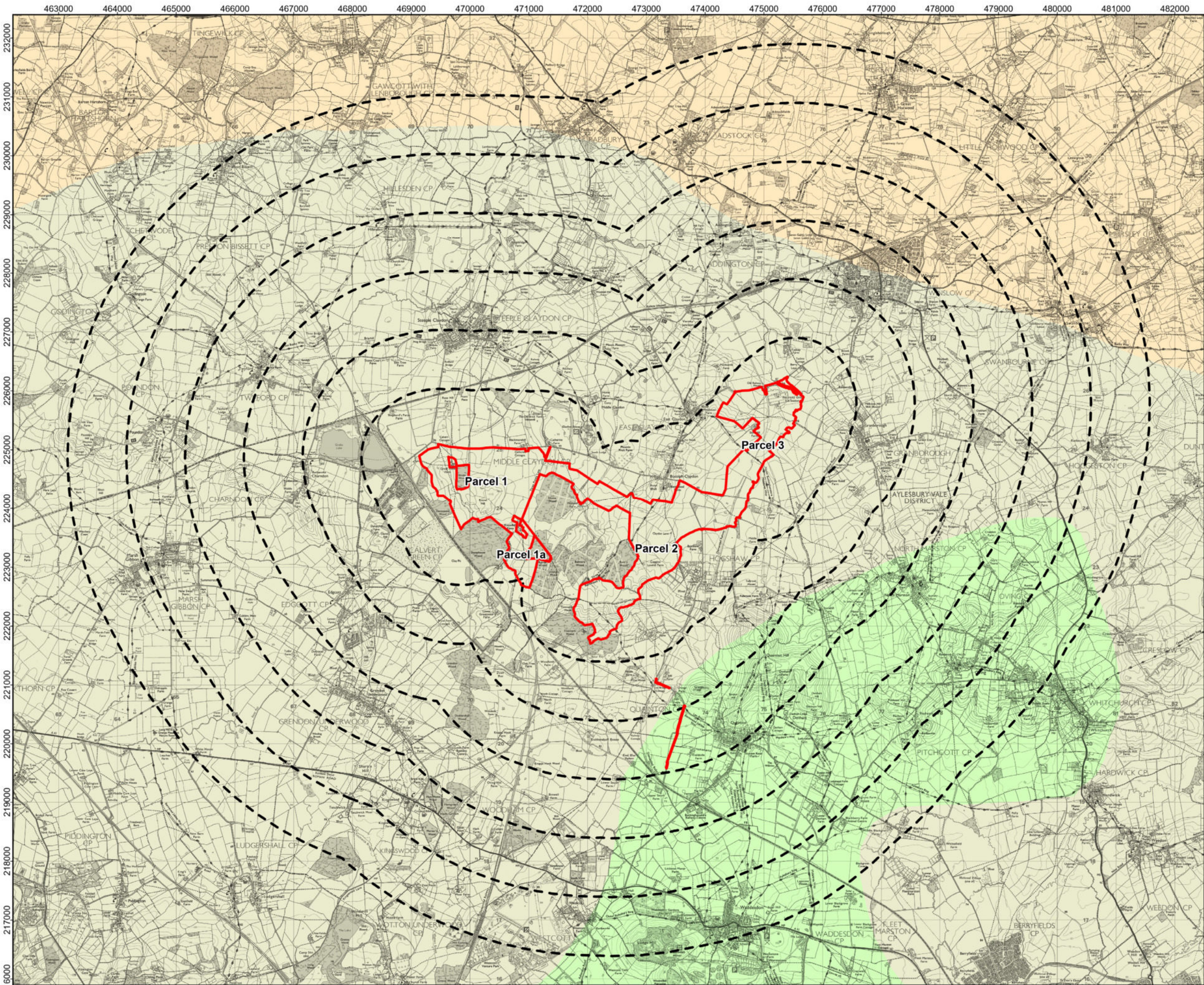
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.2
TOPOGRAPHY AND LANDCOVER

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:60,000 @ A3

REV 01



LEGEND:

- Order Limits
- Distance Radii from All Proposed Built Development (1-6km)
- National Character Areas**
 - 108: Upper Thames Clay Vales
 - 109: Midvale Ridge
 - 88: Bedfordshire and Cambridgeshire Claylands

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 10.3
NATIONAL CHARACTER AREAS

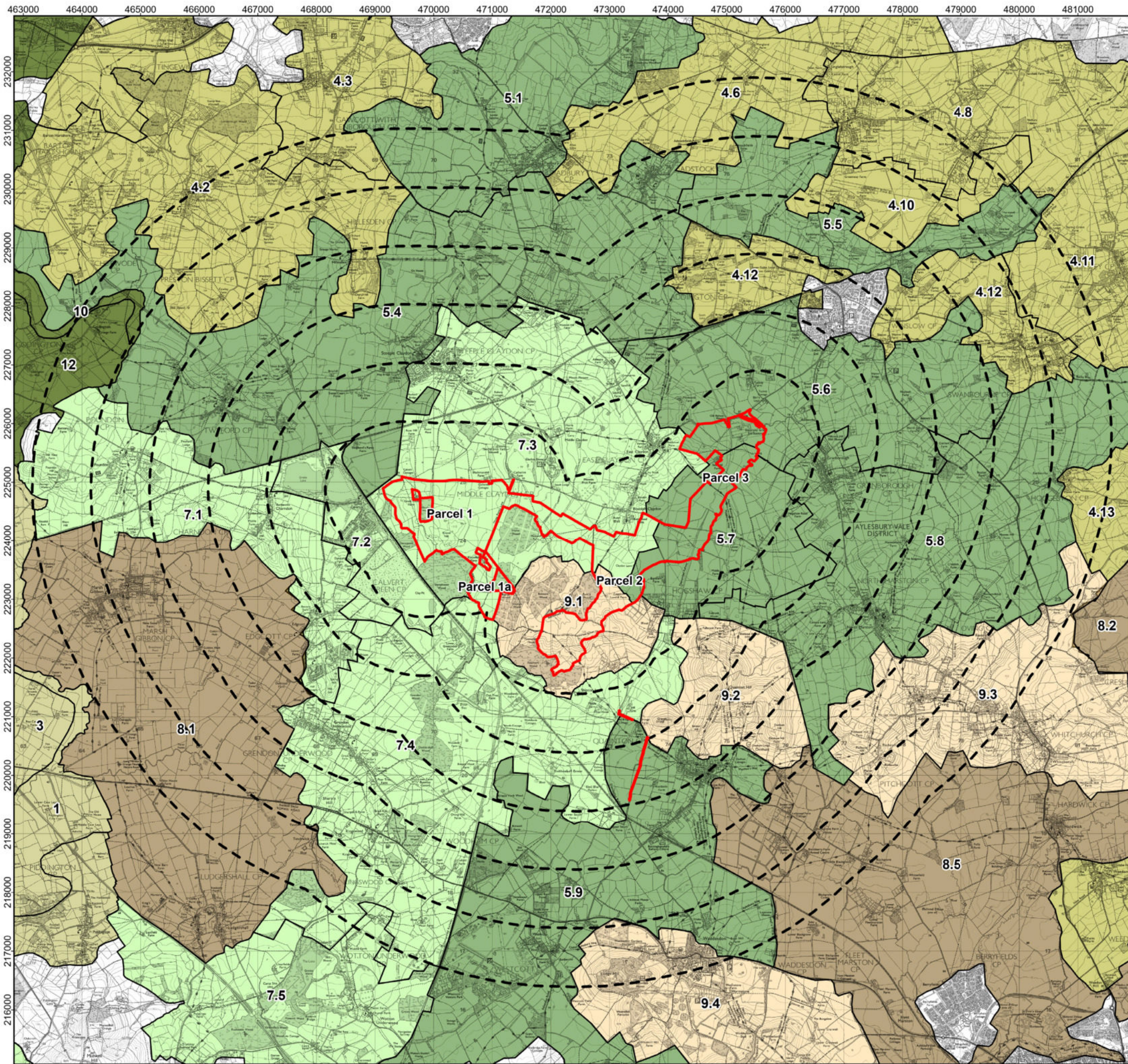
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:60,000 @ A3



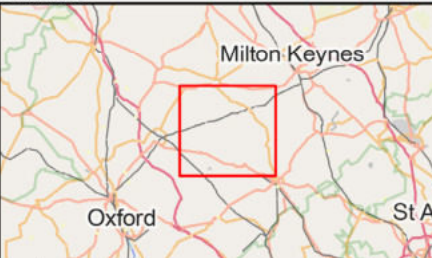
REV 01



LEGEND:

- Order Limits**
- Distance Radii from All Proposed Built Development (1-6km)**
- Aylesbury Vale Landscape Character Types and Areas**
- 4. Undulating Clay Plateau
 - 4.2 Preston Bissett Plateau Edge
 - 4.3 Gawcott Ridge
 - 4.6 A421 Ridge
 - 4.8 Horwood Claylands
 - 4.10 Greenway Open Farmland
 - 4.11 Soulbury Claylands
 - 4.12 Winslow Ridge
 - 4.13 Wing Plateau
 - 5. Shallow Valleys
 - 5.1 Padbury Valley
 - 5.4 Twyford Vale
 - 5.5 Claydon Tributary
 - 5.6 Claydon Valley
 - 5.7 Hogshaw Claylands
 - 5.8 North Marston Undulating Claylands
 - 5.9 Westcott Claylands
- Oxfordshire Landscape Character Areas**
- 7. Wooded Rolling Lowlands
 - 7.1 Charndon Settled Hills
 - 7.2 Calvert Clay Pits
 - 7.3 Claydon Bowl
 - 7.4 Kingswood Wooded Farmland
 - 7.5 Bernwood Forest
 - 8. Vale
 - 8.1 Marsh Gibbon Vale
 - 8.2 Kingsbridge Valley
 - 8.5 Northern Vale
 - 9. Low Hills and Ridges
 - 9.1 Finemere Hill
 - 9.2 Quainton Hill
 - 9.3 Pitchcott Whitchurch Ridge
- Northamptonshire Vales**
- 10 River Meadows
 - 12 Rolling Farmland

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



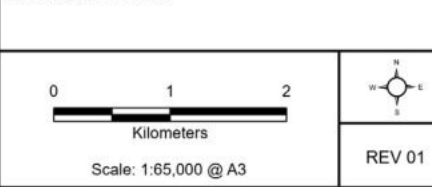
Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

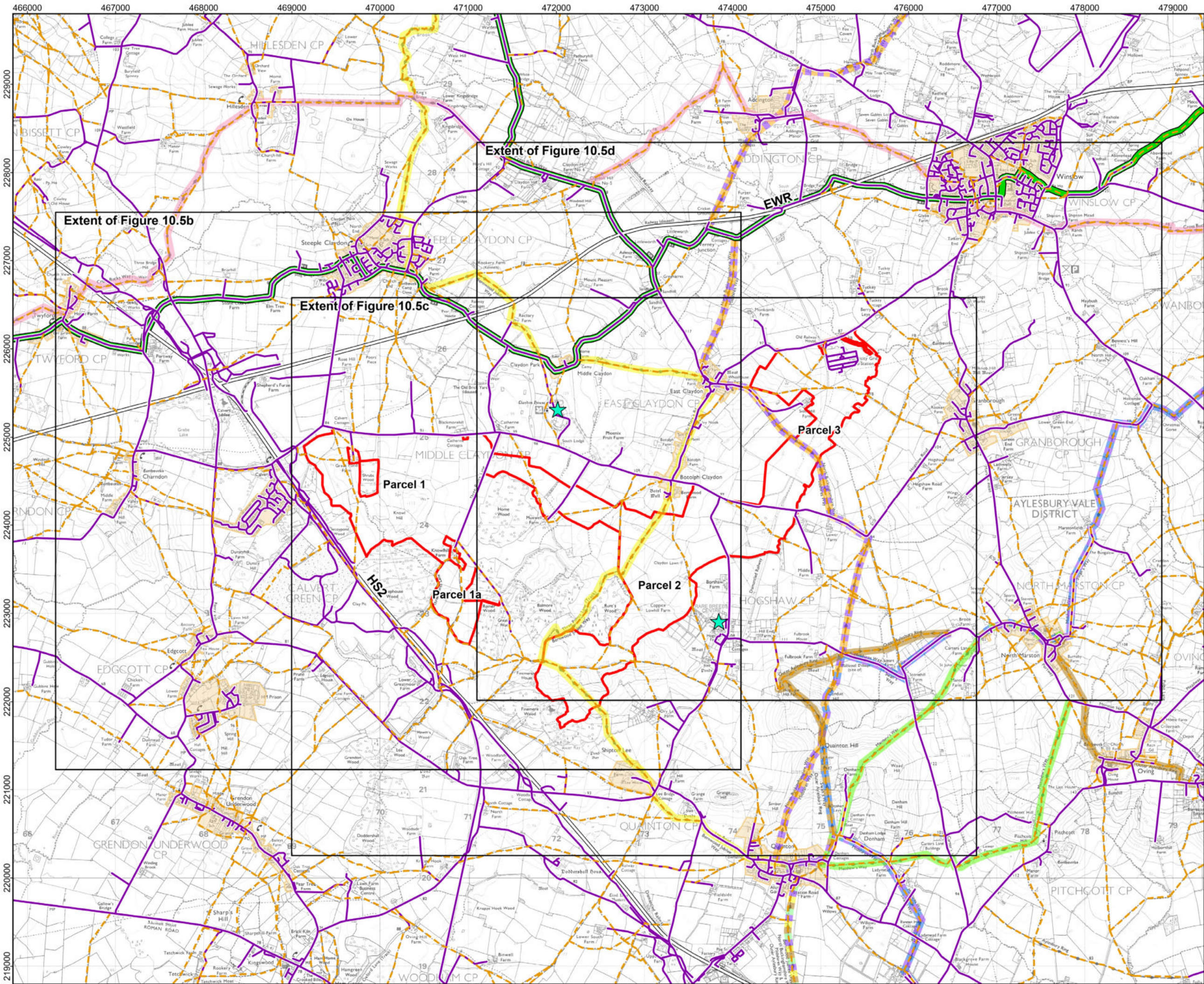
Rosefield Solar Farm

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

TITLE:
FIGURE 10.4
DISTRICT LANDSCAPE CHARACTER TYPES AND AREAS

PINS REFERENCE NUMBER:
EN010158/APP/6.3





- LEGEND:
- Order Limits
 - Public Right of Way
 - National Cycle Network Routes 50 and 51
 - Roads
 - Settlements
 - Bernwood Jubilee Way
 - Cross Bucks Way
 - Matthew's Way
 - Outer Aylesbury Ring
 - Midshires Way
 - North Buckinghamshire Way
 - Swan's Way
 - Rail Routes
 - Recreational Receptors
 - Extent of Detail Sheets

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)

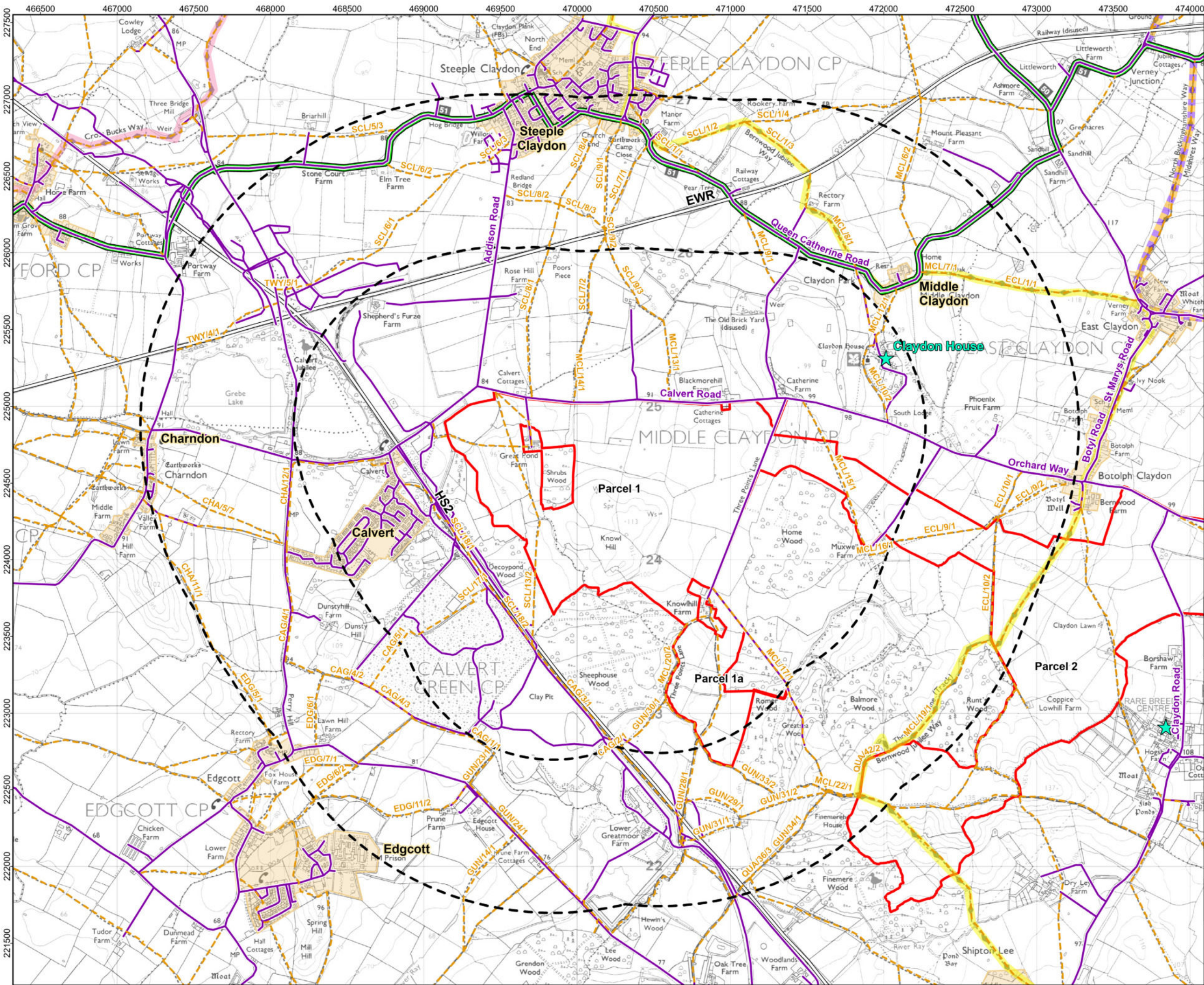
TITLE:
FIGURE 10.5a
VISUAL RECEPTORS WITHIN 2KM - OVERVIEW

PINS REFERENCE NUMBER:
EN010158/APP/6.3

0 0.5 km

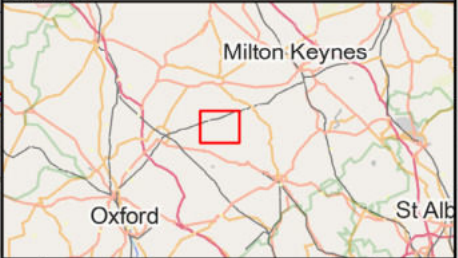
Scale: 1:40,000 @ A3

REV 01



- LEGEND:
- Order Limits
 - Distance Radii from All Proposed Built Development (1 and 2km)
 - Public Right of Way
 - National Cycle Network Routes 50 and 51
 - Roads
 - Settlements
 - Bernwood Jubilee Way
 - Cross Bucks Way
 - Midshires Way
 - North Buckinghamshire Way
 - Swan's Way
 - Rail Routes
 - Recreational Receptors

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 10.5b
VISUAL RECEPTORS WITHIN 2KM - PARCEL 1

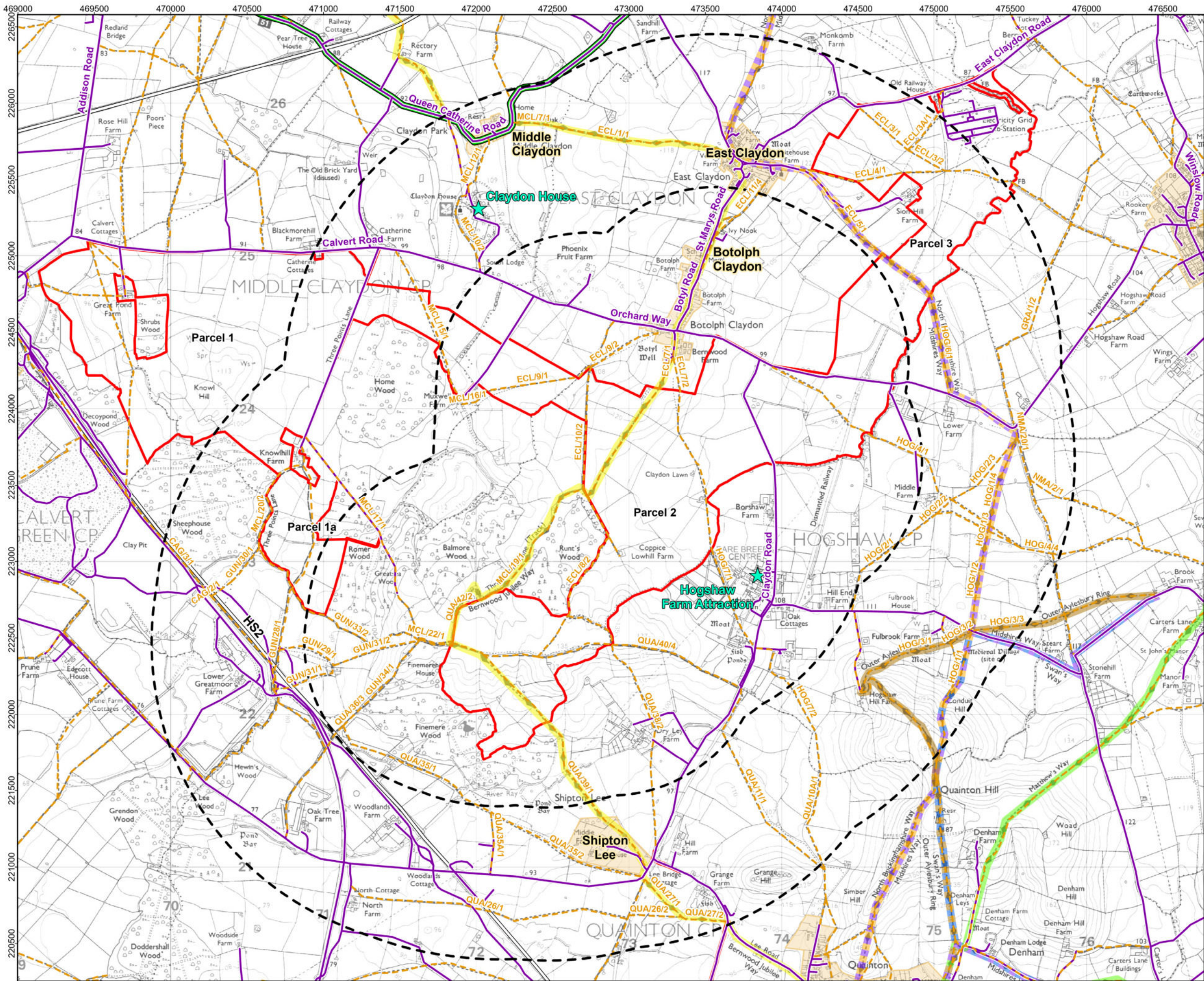
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:23,000 @ A3



REV 01



- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1 and 2km)
 - Public Right of Way
 - National Cycle Network Routes 50 and 51
 - Roads
 - Settlements
 - Bernwood Jubilee Way
 - Matthew's Way
 - Outer Aylesbury Ring
 - Midshires Way
 - North Buckinghamshire Way
 - Swan's Way
 - Rail Routes
 - Recreational Receptors

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)

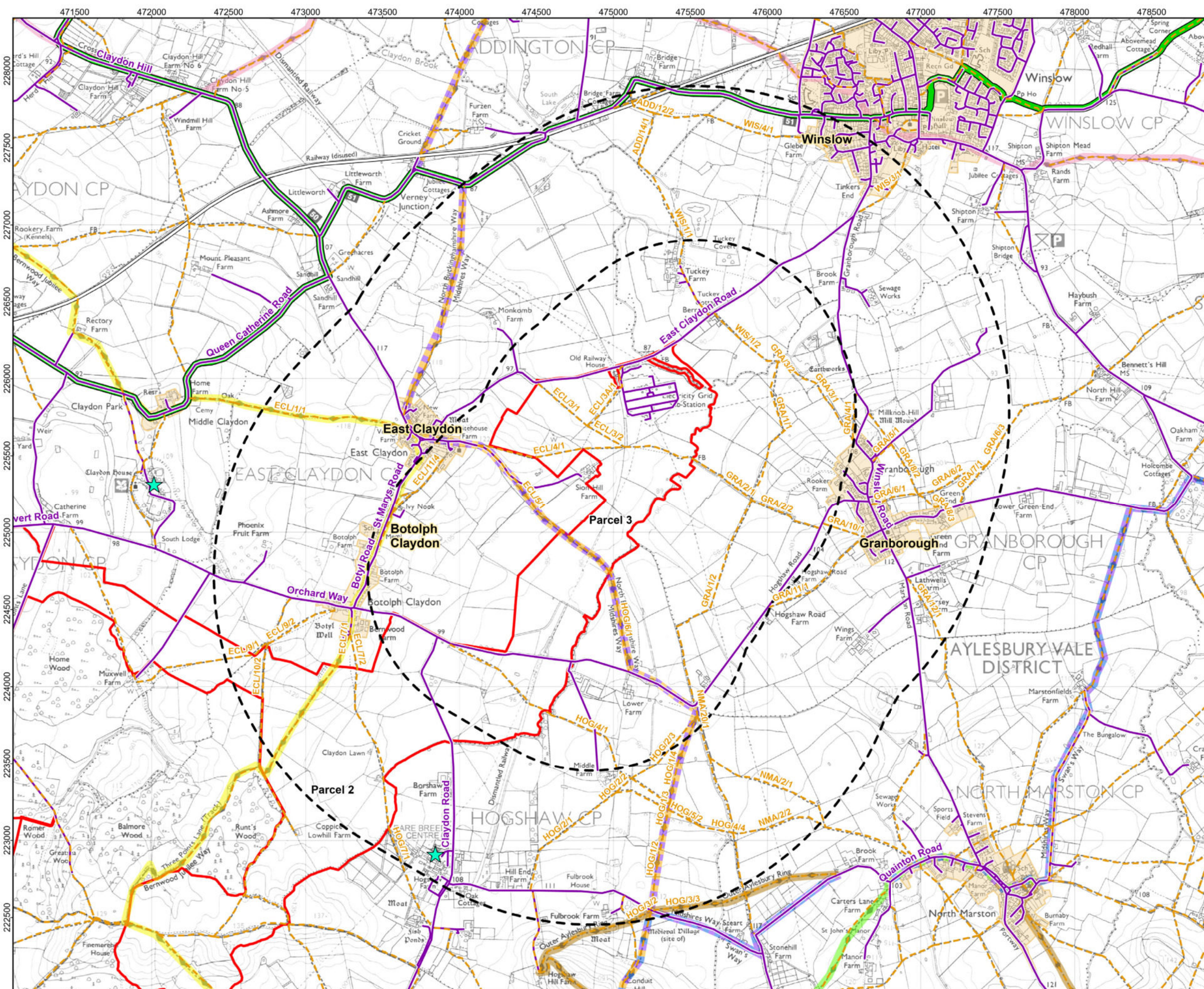
TITLE:
FIGURE 10.5c
VISUAL RECEPTORS WITHIN 2KM - PARCEL 2

PINS REFERENCE NUMBER:
EN010158/APP/6.3

00.5km

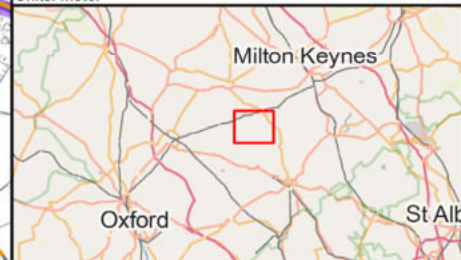
Scale: 1:23,000 @ A3

REV 01



- LEGEND:**
- Order Limits
 - Distance Radii from All Proposed Built Development (1 and 2km)
 - Public Right of Way
 - National Cycle Network Routes 50 and 51
 - Roads
 - Settlements
 - Bernwood Jubilee Way
 - Cross Bucks Way
 - Matthew's Way
 - Outer Aylesbury Ring
 - Midshires Way
 - North Buckinghamshire Way
 - Swan's Way
 - Rail Routes

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

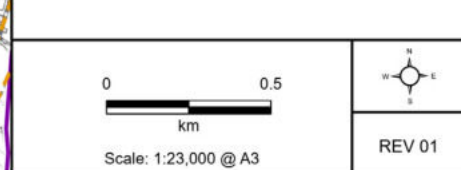
Rosefield Solar Farm

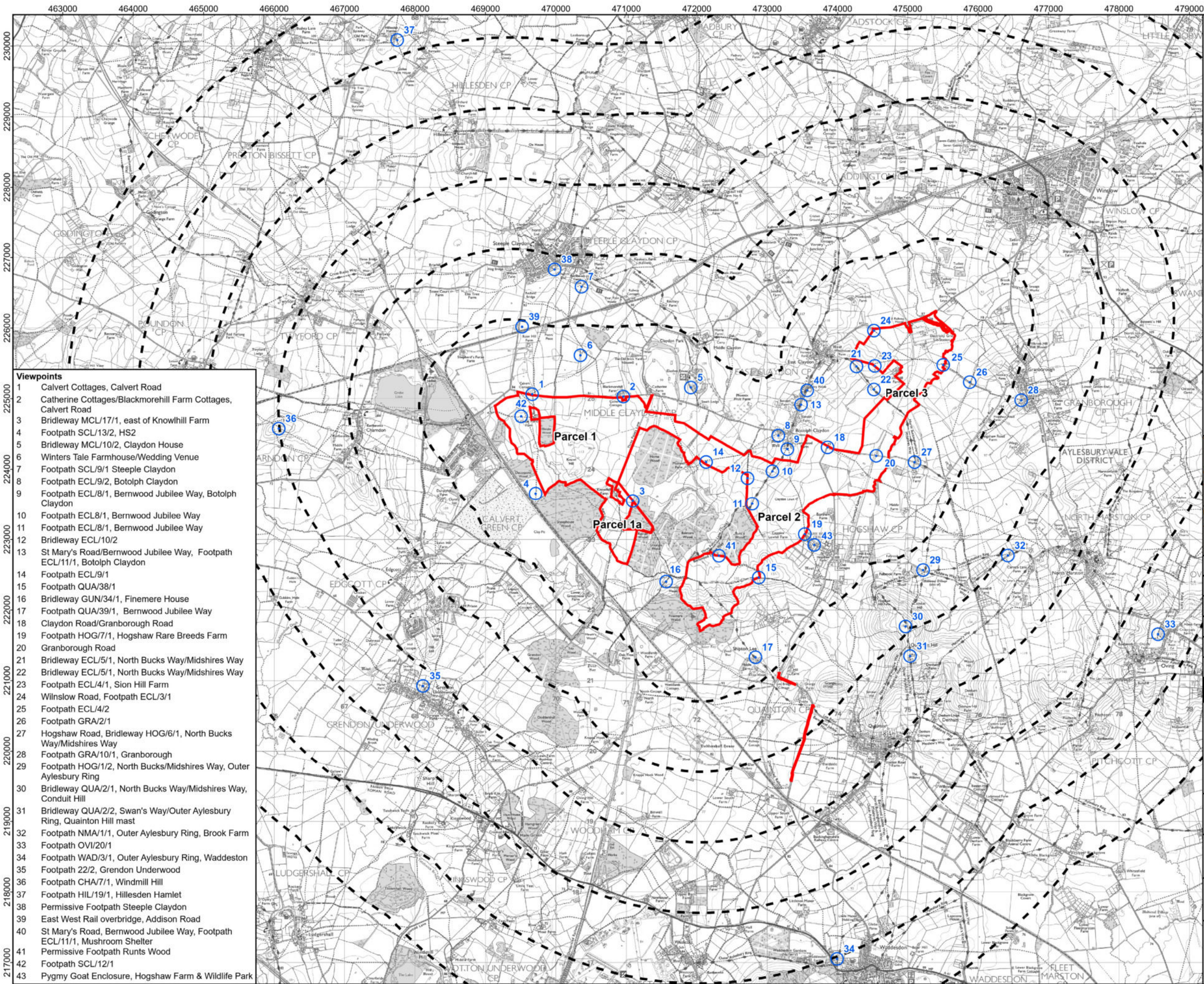


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.5d
VISUAL RECEPTORS WITHIN 2KM - PARCEL 3

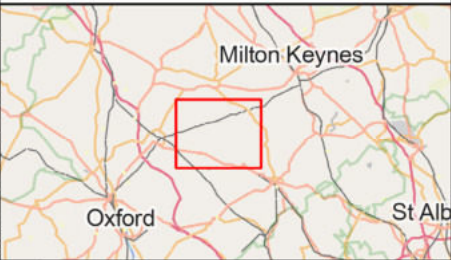
PINS REFERENCE NUMBER:
EN010158/APP/6.3





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

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

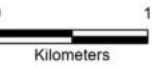
Rosefield Solar Farm




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

TITLE:
FIGURE 10.6
VIEWPOINT LOCATIONS

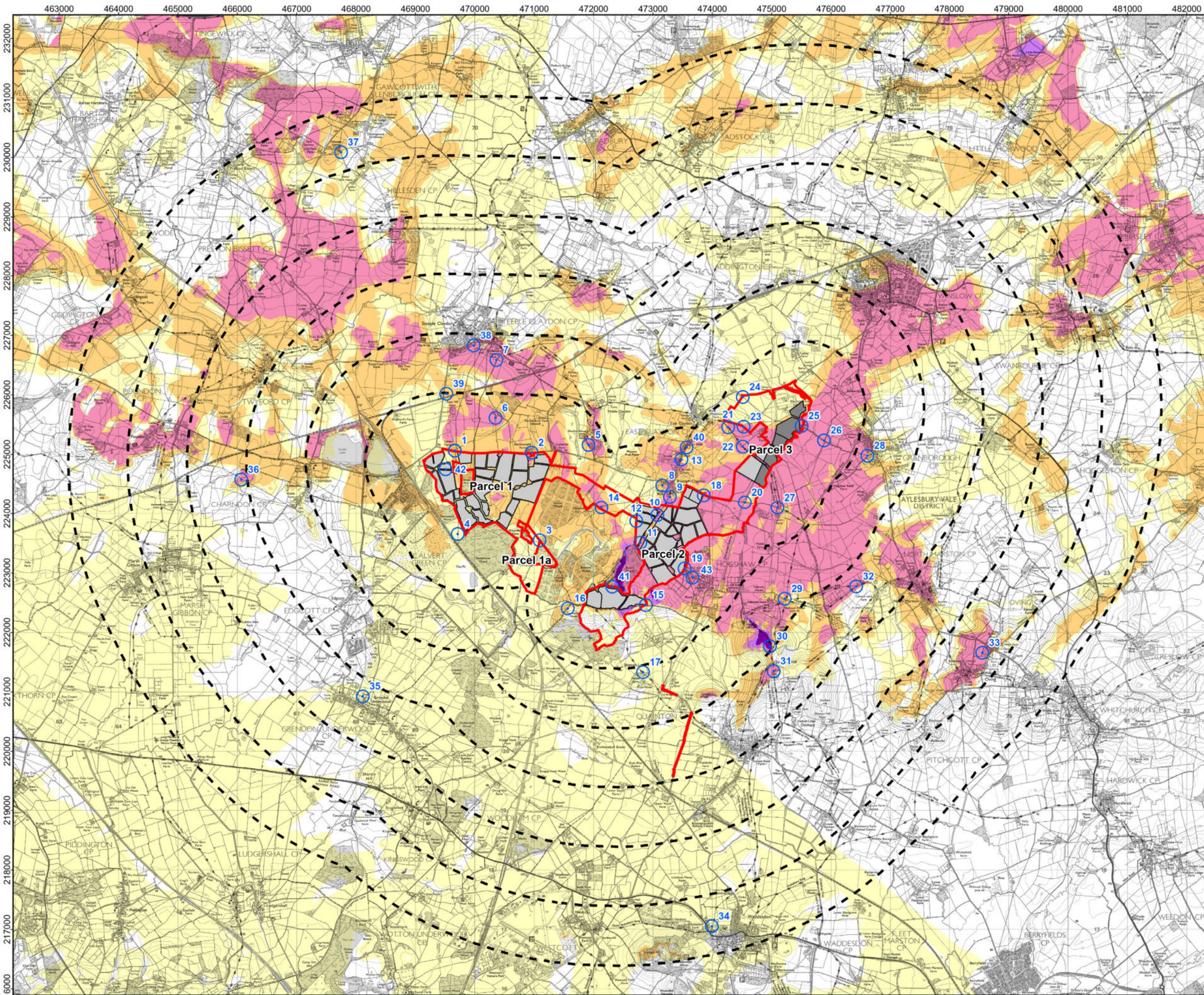
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:50,000 @ A3



REV 01



LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints

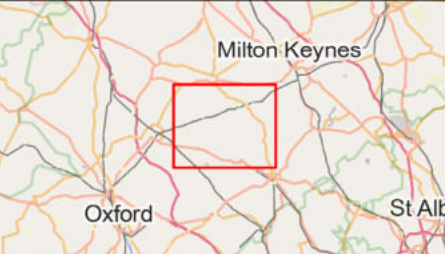
Zone of Theoretical Visibility

- Up to 20% of development visible
- Up to 40% of development visible
- Up to 60% of development visible
- Up to 80% of development visible
- Up to 100% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking topography into account. This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution. Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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

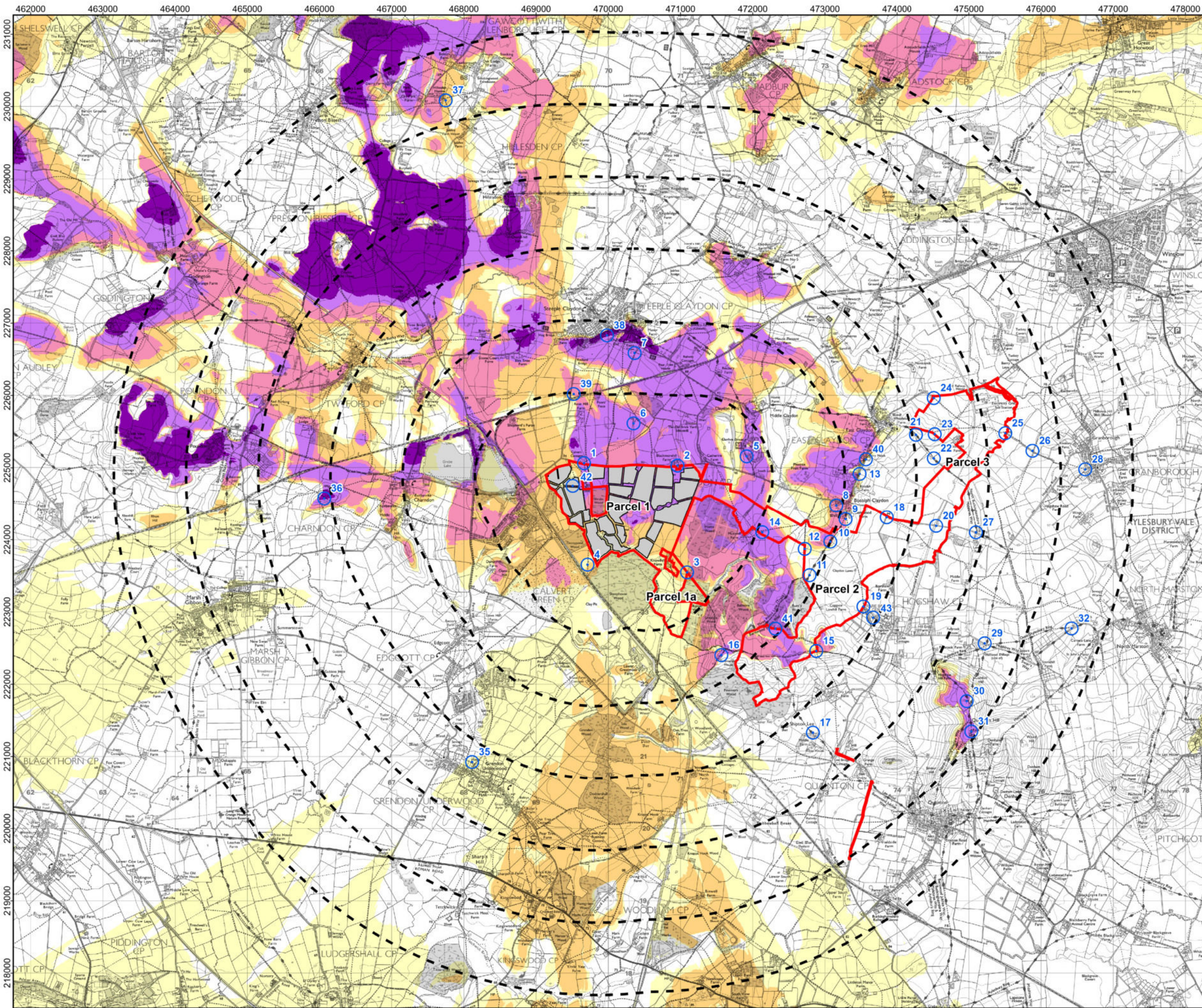
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.7a
ZTV OF SOLAR PV MODULES COMBINED
PARCELS - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:60,000 @ A3

REV 01



LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Zone of Theoretical Visibility**
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

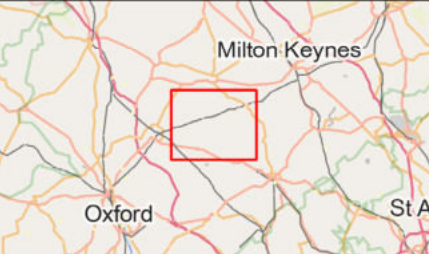
This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking topography into account.

This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.

Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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



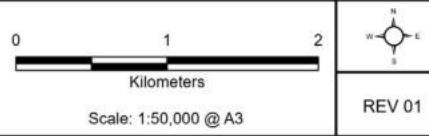
Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

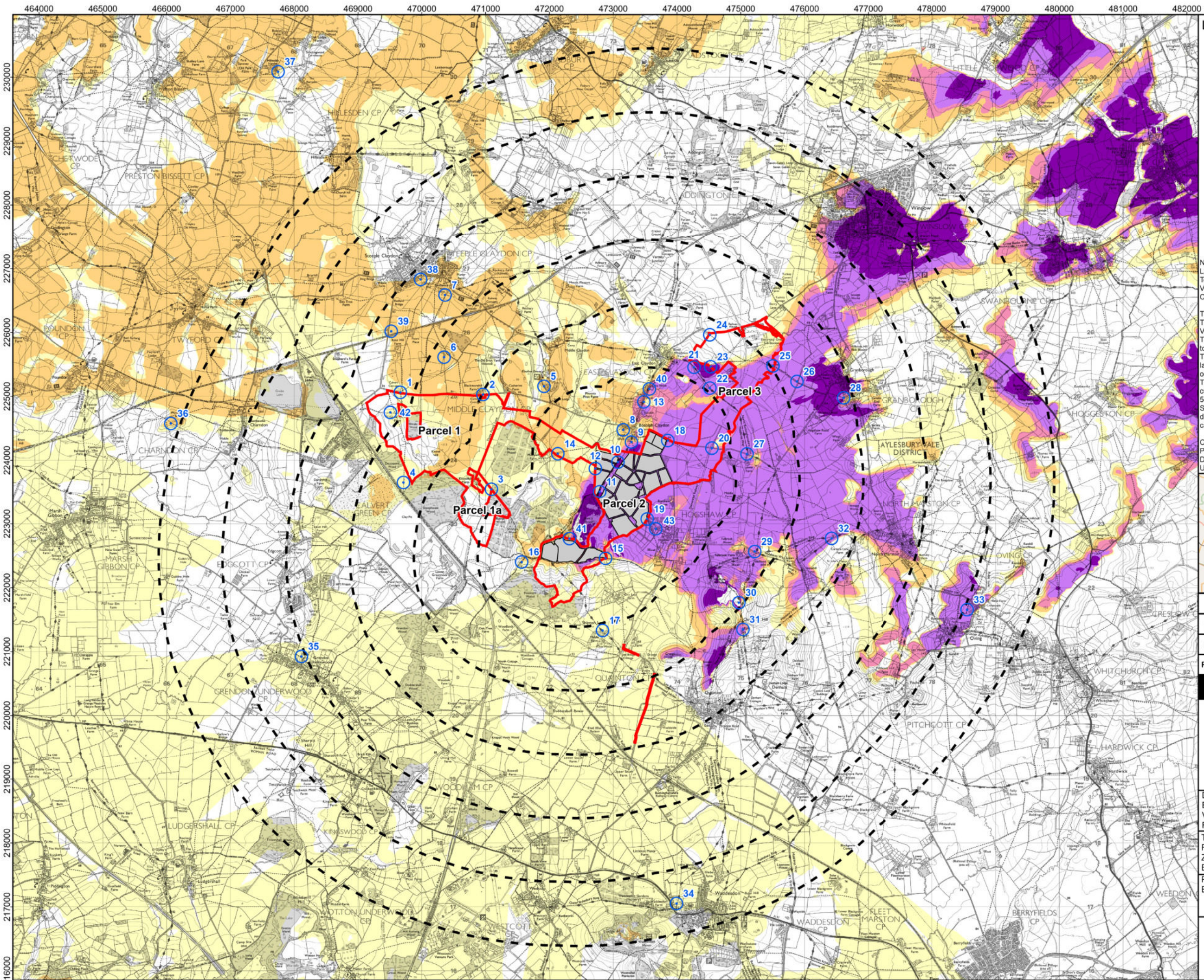
Rosefield Solar Farm

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

TITLE:
FIGURE 10.7b
ZTV OF SOLAR PV MODULES PARCEL 1 - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3





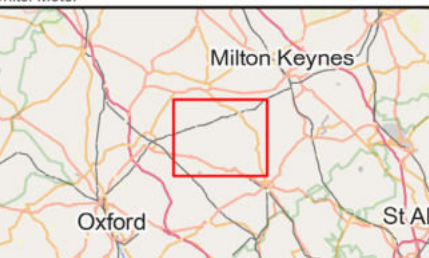
LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking topography into account. This visibility map is based on a 'bare earth' model of the landscape and does not show any effects of screening from obstacles such as buildings and vegetation. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution. Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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

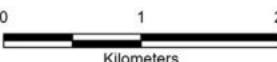
Rosefield Solar Farm



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

TITLE:
FIGURE 10.7c
ZTV OF SOLAR PV MODULES PARCEL 2 - BARE EARTH

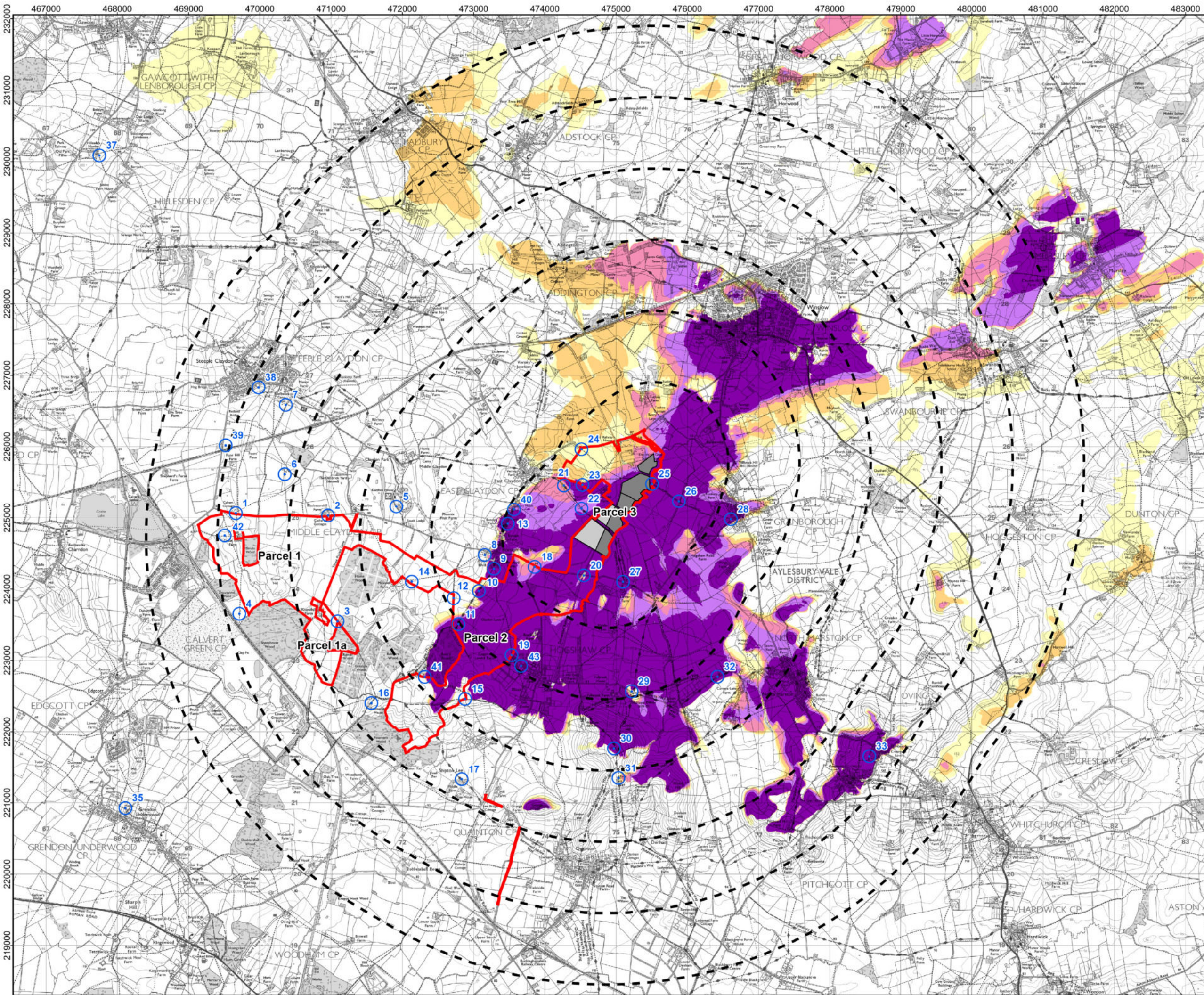
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:55,000 @ A3



REV 01



LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking topography into account. This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution. Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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

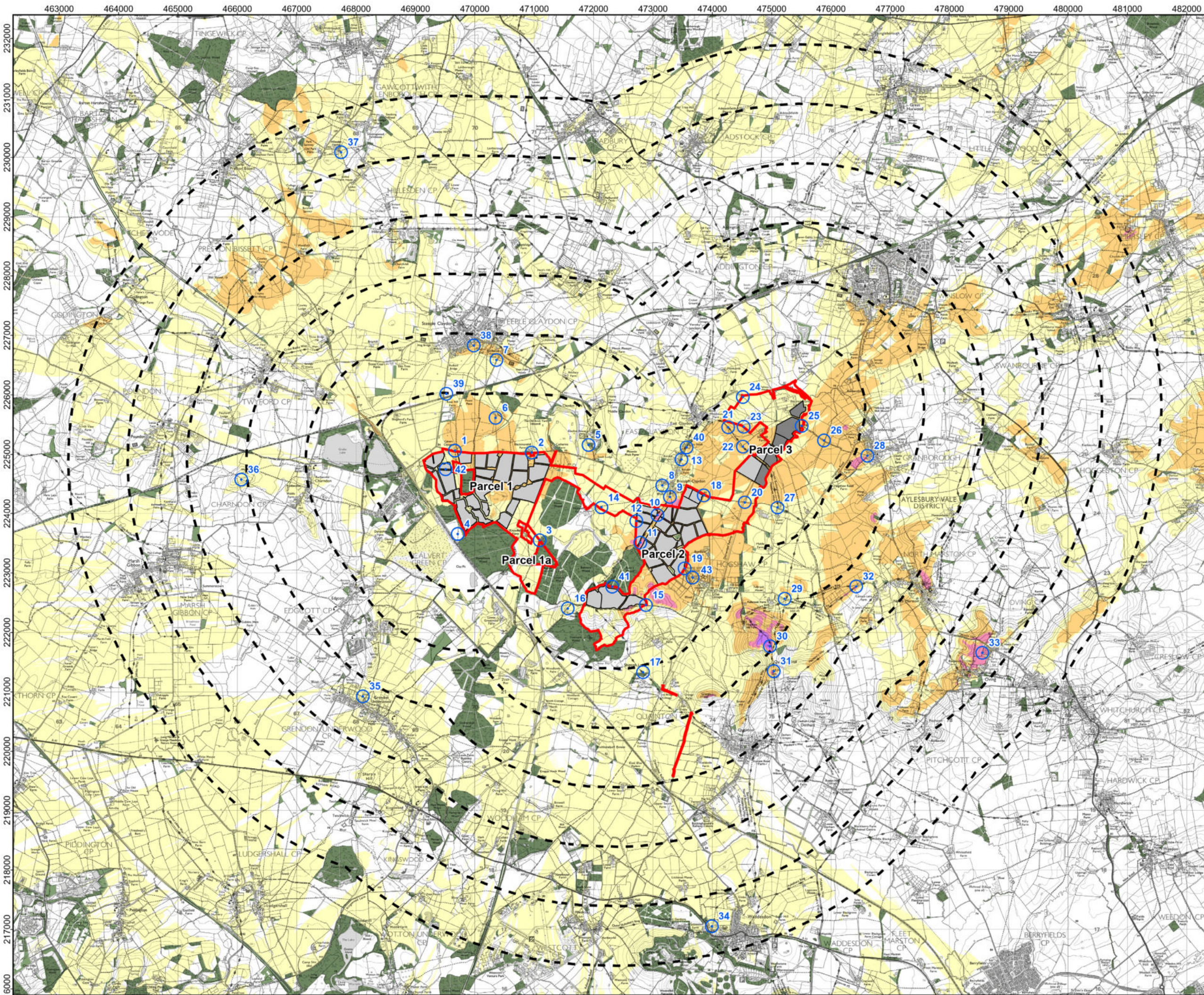
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.7d
ZTV OF SOLAR PV MODULES PARCEL 3 - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:50,000 @ A3

REV 01



LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Woodland
- Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DSM-10-6.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m
This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings. A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 6m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.
Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.
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

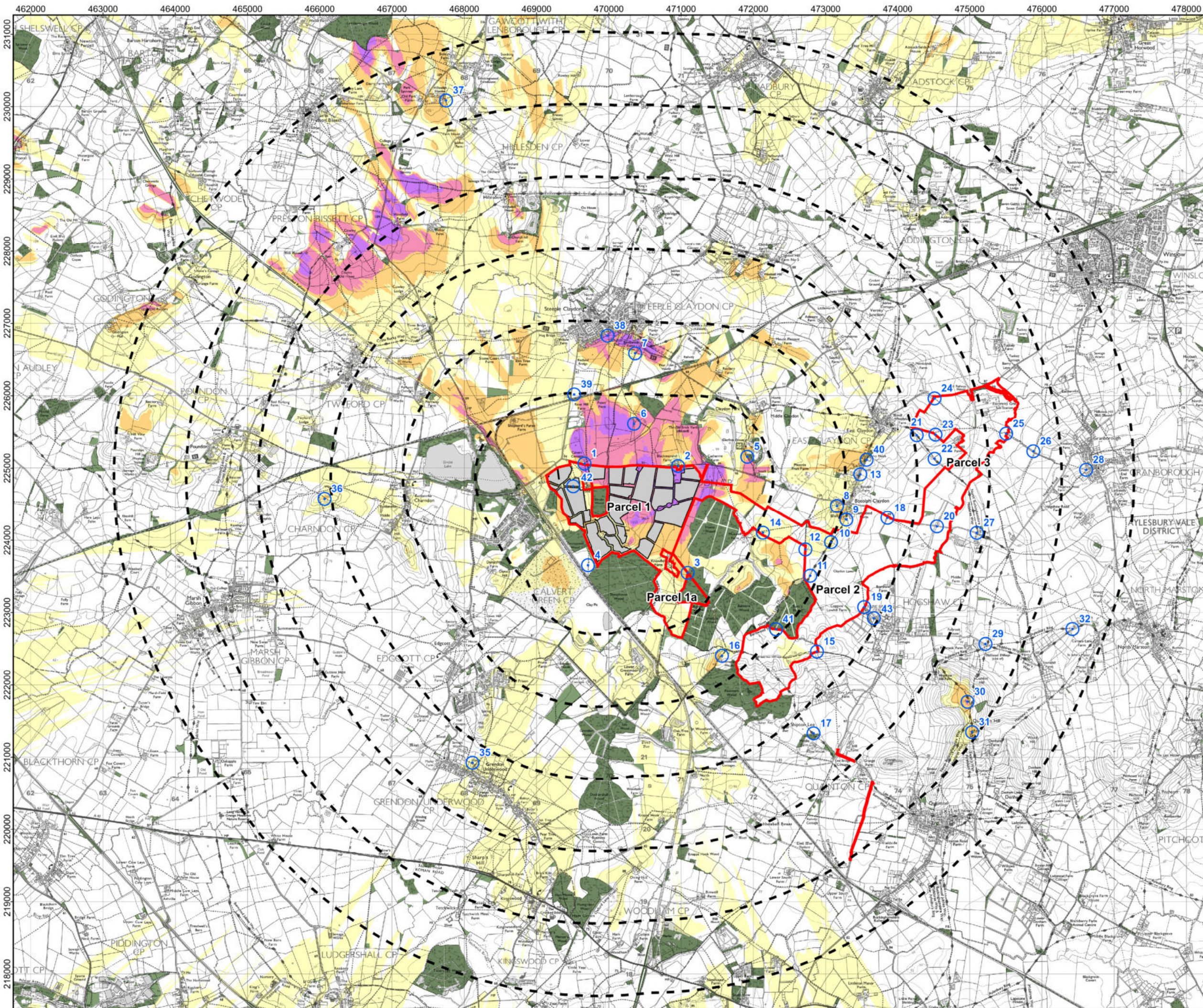
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.8a
ZTV OF SOLAR PV MODULES COMBINED
PARCELS - STANDARD SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:60,000 @ A3

REV 01



LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Woodland
- Zone of Theoretical Visibility**
- Up to 20% of development visible
- Up to 40% of development visible
- Up to 60% of development visible
- Up to 80% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DSM-10-6.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings. A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 6m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.

Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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



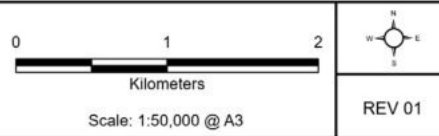
Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

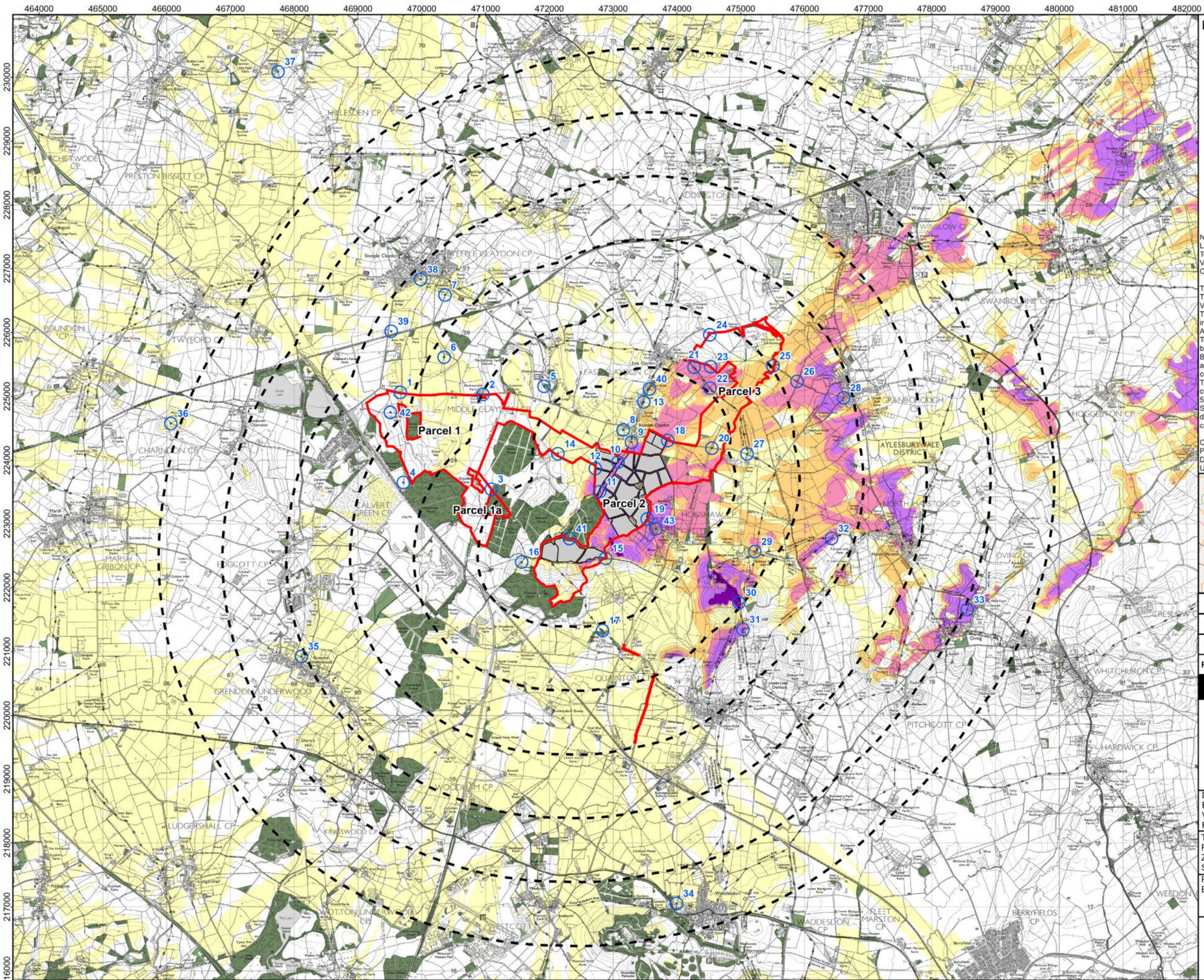


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.8b
ZTV OF SOLAR PV MODULES PARCEL 1 -
STANDARD SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3





LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Woodland
- Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DSM-10-6.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings. A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 6m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution. Solar PV modules are shown to the full extents of the Order Limits to demonstrate a worst case scenario for the ZTV.

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

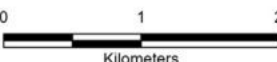
Rosefield Solar Farm



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

TITLE:
FIGURE 10.8c
ZTV OF SOLAR PV MODULES PARCEL 2 -
STANDARD SCREENING

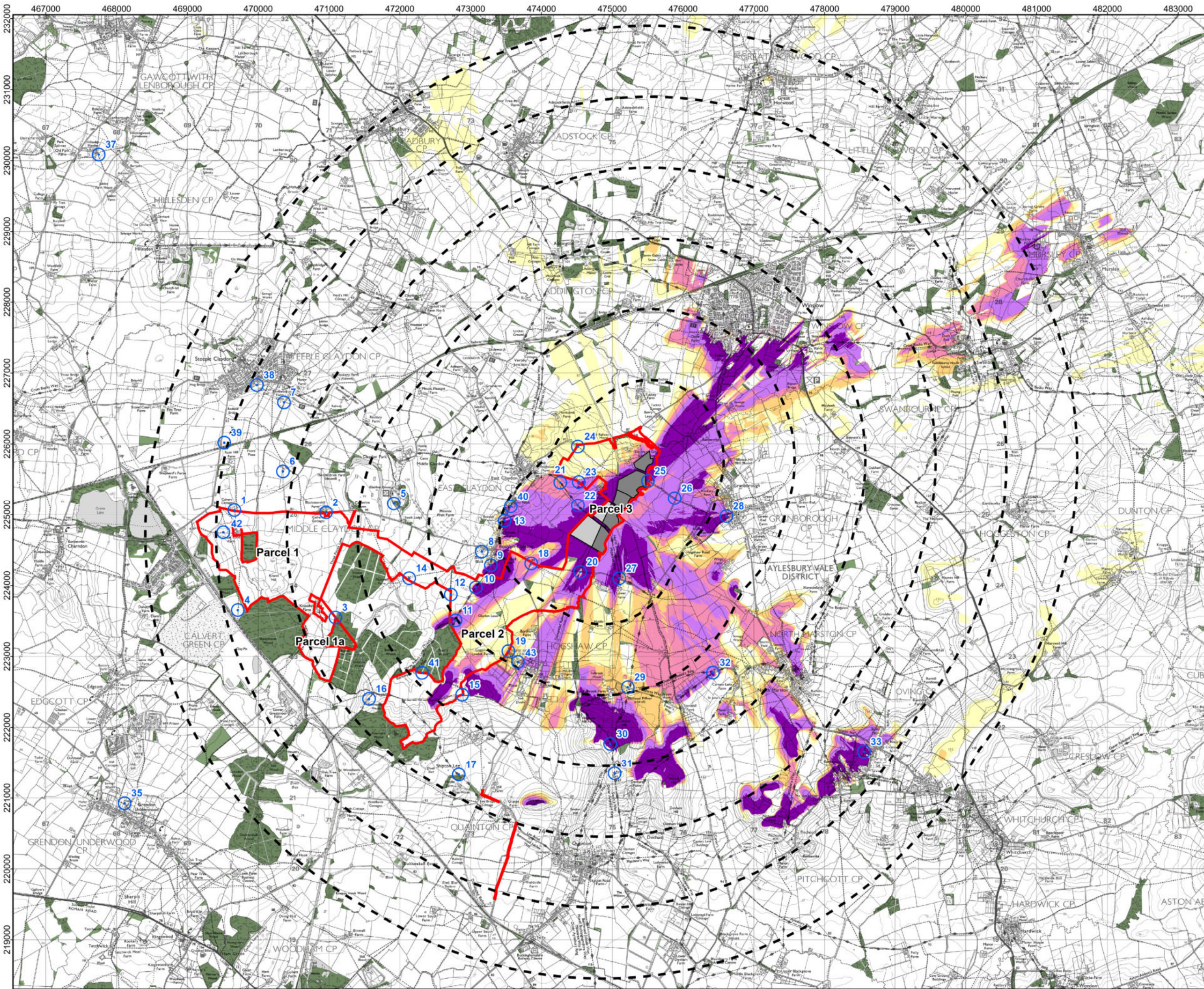
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:55,000 @ A3



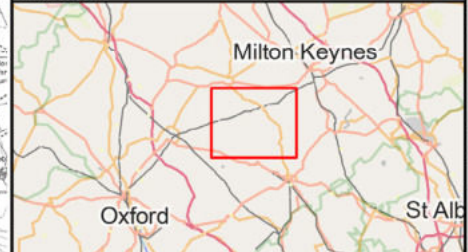
REV 01



LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Woodland
- Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DSM-10-6.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m
This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings. A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 6m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.
Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.
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)

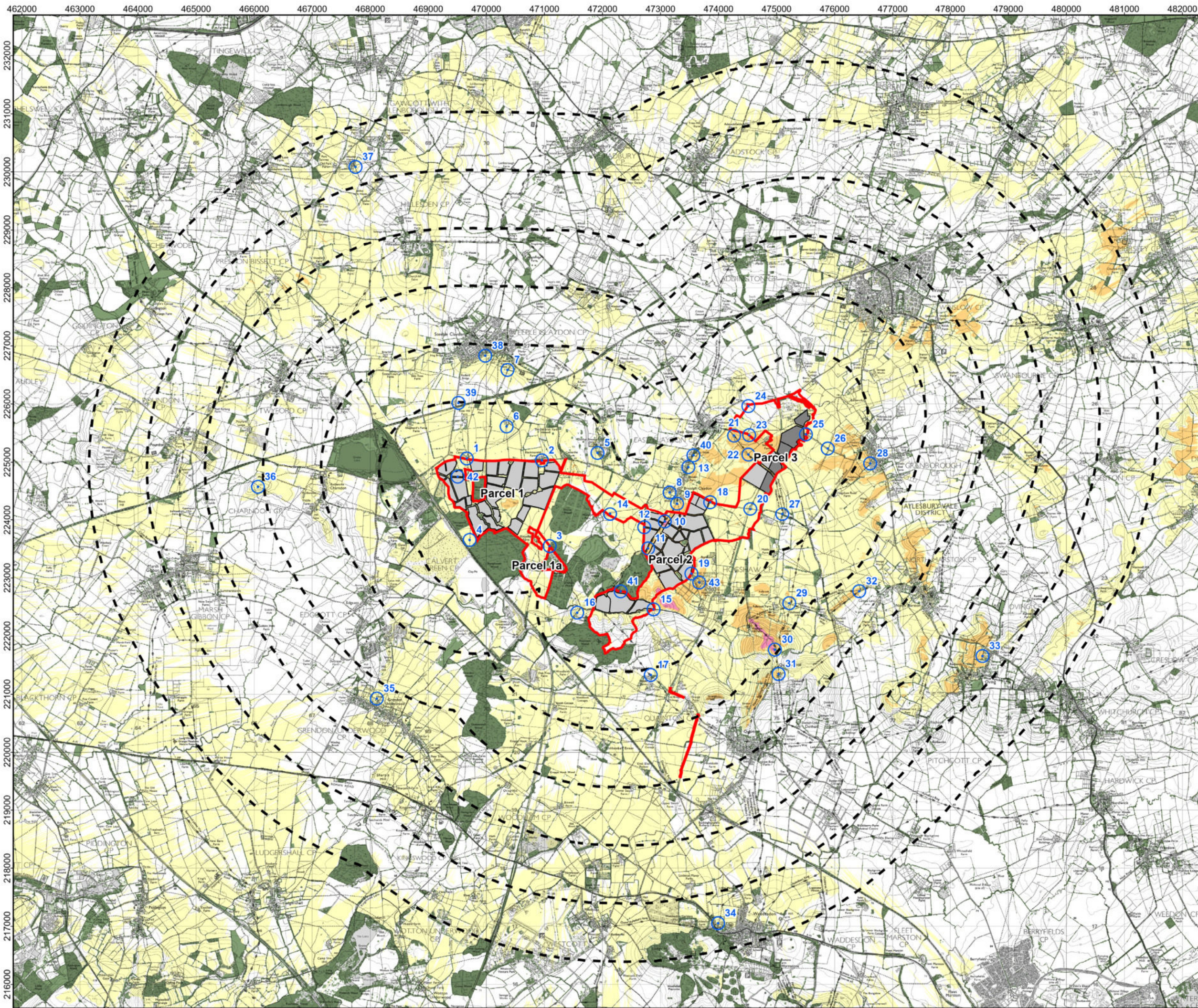
TITLE:
FIGURE 10.8d
ZTV OF SOLAR PV MODULES PARCEL 3 -
STANDARD SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3

0 1 2
Kilometers

Scale: 1:50,000 @ A3

REV 01



- LEGEND:**
- Order Limits
 - Proposed Areas for Solar PV Modules (3.5m)
 - Proposed Areas for Solar PV Modules (4.5m)
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Woodland/Vegetation above 2.5m
 - Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible

Notes:
Layout file: D010-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DSM-VOM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, woodlands, hedgerows, vegetation over 2.5m and buildings.
A digital surface model (DSM) has been derived from OS Terrain 5 height data. Locations of buildings have been taken from the OS Open Map Local dataset. Locations of woodland and vegetation higher than 2.5m have been taken from the Environment Agency's Vegetation Object Model (VOM) dataset. Heights of buildings and vegetation have been taken from DEFRA LIDAR First Return DSM 2022 2m height data. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.
Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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



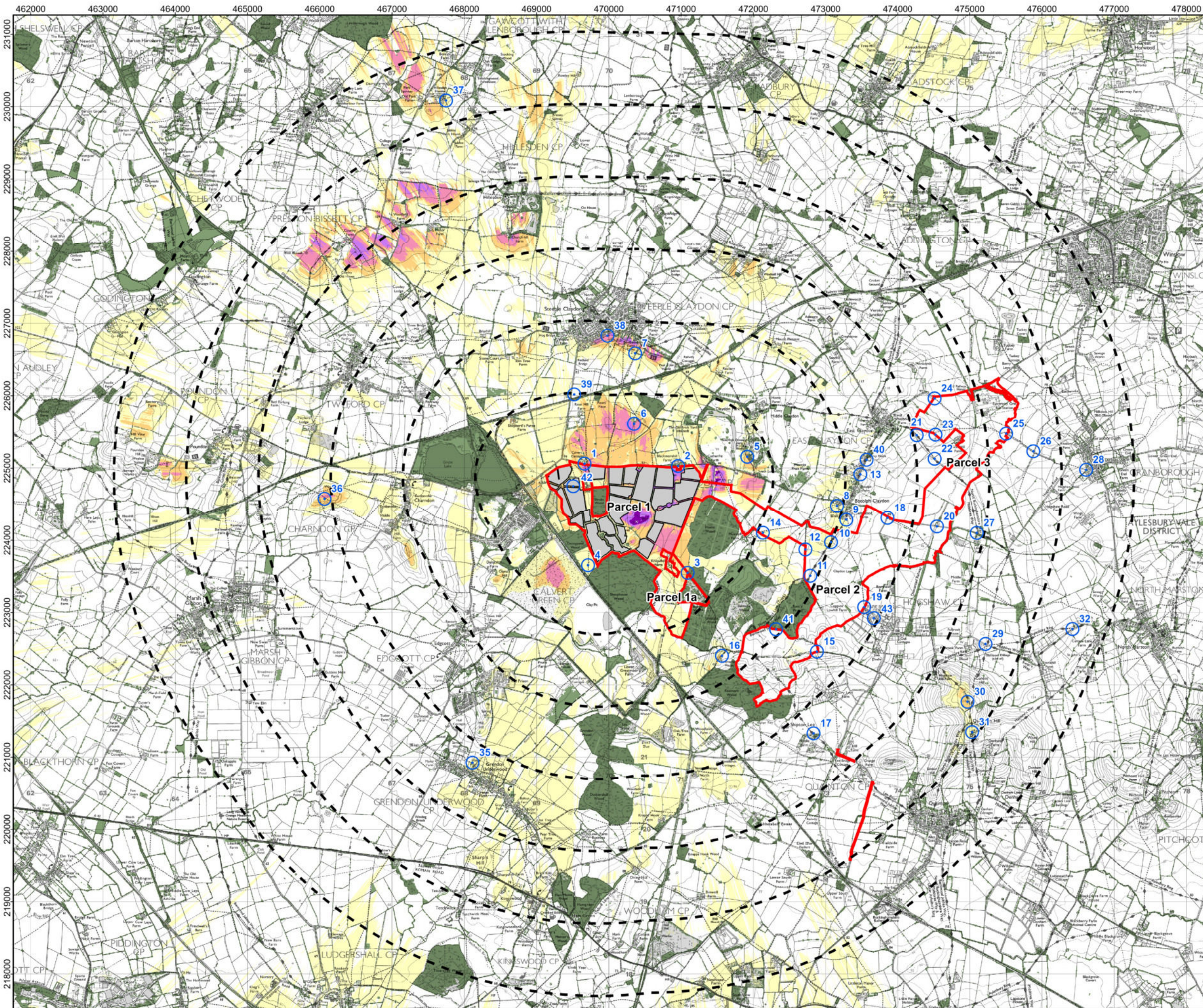
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.9a
ZTV OF SOLAR PV MODULES COMBINED
PARCELS - DETAILED SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:62,204 @ A3

REV 01



LEGEND:

- Order Limits
- Proposed Areas for Solar PV Modules (3.5m)
- Distance Radii from All Proposed Built Development (1-6km)
- Viewpoints
- Woodland/Vegetation above 2.5m
- Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DSM-VOM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, woodlands, hedgerows, vegetation over 2.5m and buildings.

A digital surface model (DSM) has been derived from OS Terrain 5 height data. Locations of buildings have been taken from the OS Open Map Local dataset. Locations of woodland and vegetation higher than 2.5m have been taken from the Environment Agency's Vegetation Object Model (VOM) dataset. Heights of buildings and vegetation have been taken from DEFRA LIDAR First Return DSM 2022 2m height data. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.

Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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

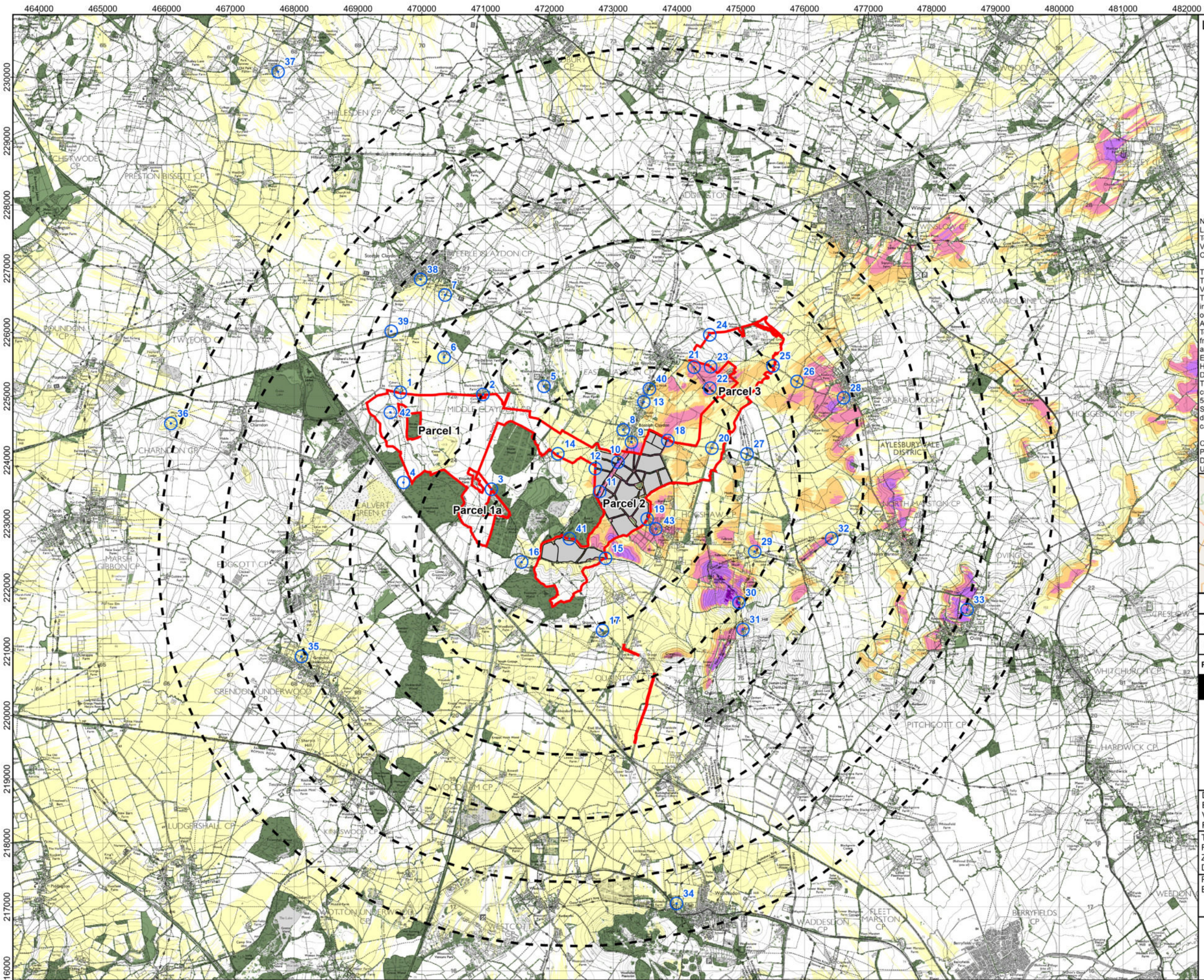
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.9b
ZTV OF SOLAR PV MODULES PARCEL 1 -
DETAILED SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:50,000 @ A3

REV 01



- LEGEND:**
- Order Limits
 - Proposed Areas for Solar PV Modules (3.5m)
 - Distance Radial from All Proposed Built Development (1-6km)
 - Viewpoints
 - Woodland/Vegetation above 2.5m
 - Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible
 - Up to 80% of development visible
 - Up to 100% of development visible

Notes:
Layout file: D010-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DSM-VOM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, woodlands, hedgerows, vegetation over 2.5m and buildings.
A digital surface model (DSM) has been derived from OS Terrain 5 height data. Locations of buildings have been taken from the OS Open Map Local dataset. Locations of woodland and vegetation higher than 2.5m have been taken from the Environment Agency's Vegetation Object Model (VOM) dataset. Heights of buildings and vegetation have been taken from DEFRA LIDAR First Return DSM 2022 2m height data. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.
Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.

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



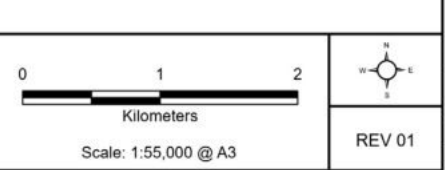
Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

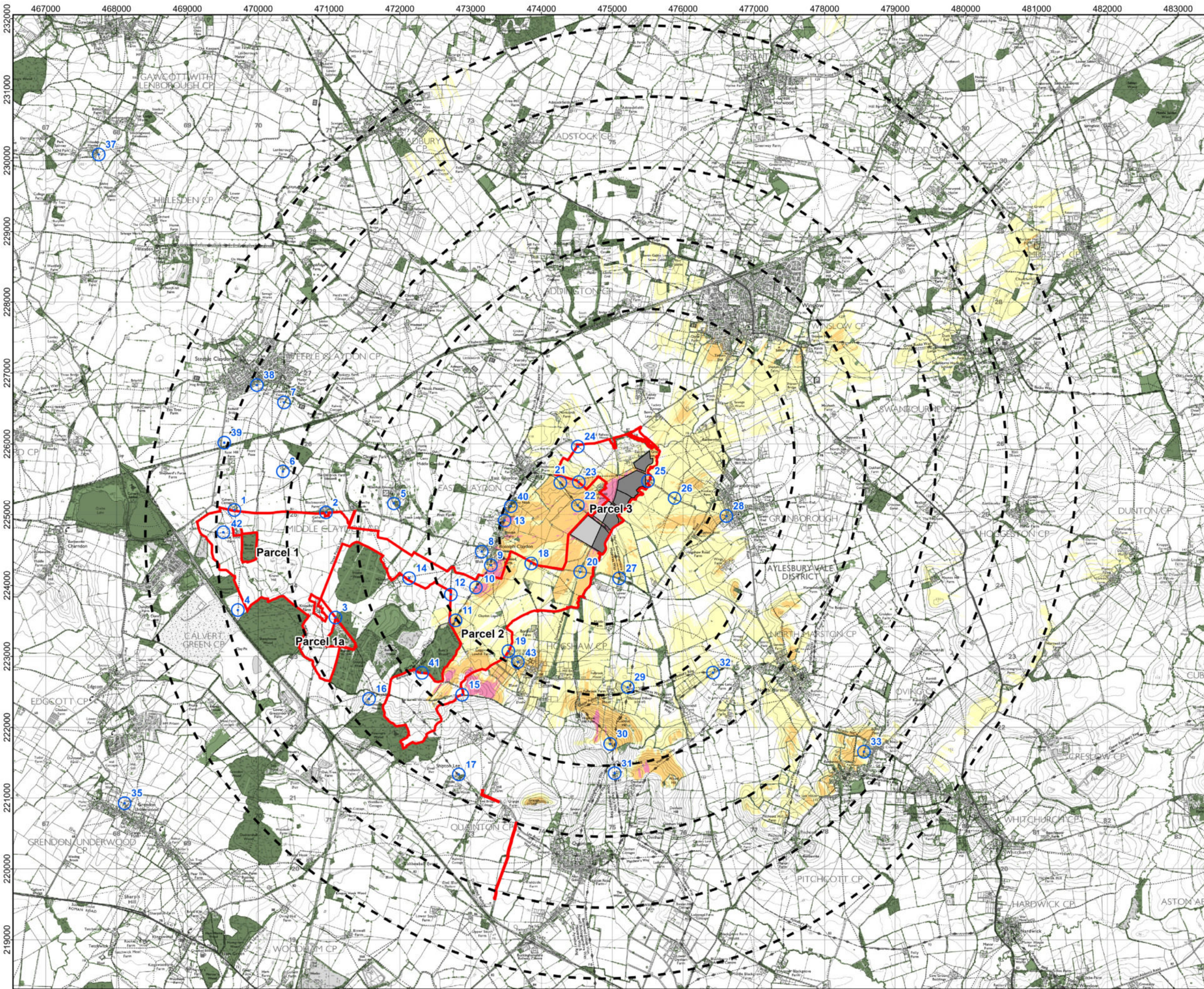


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.9c
ZTV OF SOLAR PV MODULES PARCEL 2 -
DETAILED SCREENING

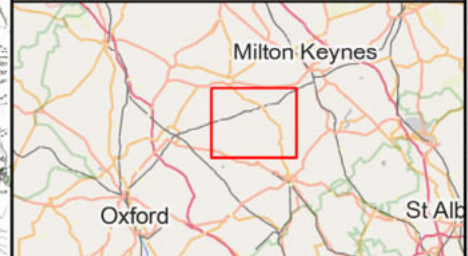
PINS REFERENCE NUMBER:
EN010158/APP/6.3





- LEGEND:**
- Order Limits
 - Proposed Areas for Solar PV Modules (3.5m)
 - Proposed Areas for Solar PV Modules (4.5m)
 - Distance Radii from All Proposed Built Development (1-6km)
 - Viewpoints
 - Woodland/Vegetation above 2.5m
 - Zone of Theoretical Visibility
 - Up to 20% of development visible
 - Up to 40% of development visible
 - Up to 60% of development visible

Notes:
Layout file: D010-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DSM-VOM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m
This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, woodlands, hedgerows, vegetation over 2.5m and buildings.
A digital surface model (DSM) has been derived from OS Terrain 5 height data. Locations of buildings have been taken from the OS Open Map Local dataset. Locations of woodland and vegetation higher than 2.5m have been taken from the Environment Agency's Vegetation Object Model (VOM) dataset. Heights of buildings and vegetation have been taken from DEFRA LiDAR First Return DSM 2022 2m height data. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m resolution.
Solar PV modules are shown to the full extents of the developable area of the Order Limits to demonstrate a worst case scenario for the ZTV.
Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter

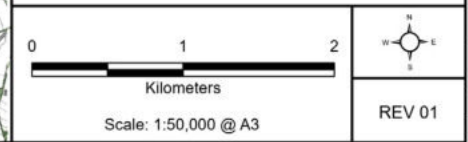


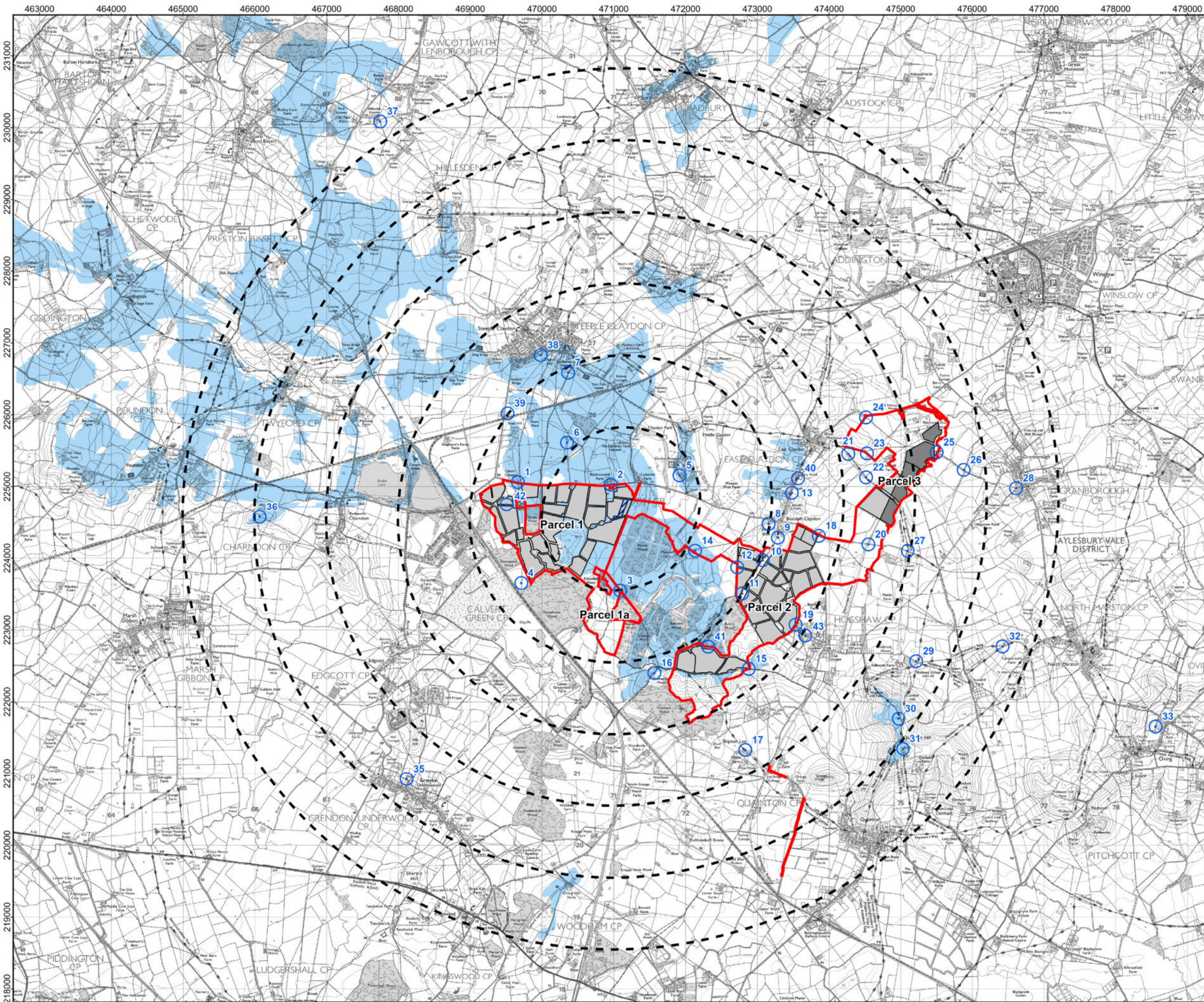
Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

Rosefield Solar Farm



DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)
TITLE:
FIGURE 10.9d
ZTV OF SOLAR PV MODULES PARCEL 3 -
DETAILED SCREENING
PINS REFERENCE NUMBER:
EN010158/APP/6.3





LEGEND:

- Order Limits
- Siting Zone for Satellite Collector Compound up to 6m in Parcel 1
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from Siting Zone (1-6km)
- Viewpoints
- Zone of Theoretical Visibility
- Siting zone for satellite collector compound may be visible

Notes:
Layout file: D010-obvs-sitingZones-T5-5km.shp
Terrain data: T5-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking topography into account.

This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m² resolution.

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



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

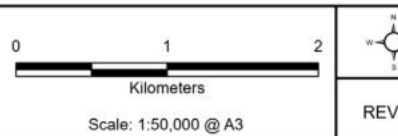
Rosefield Solar Farm

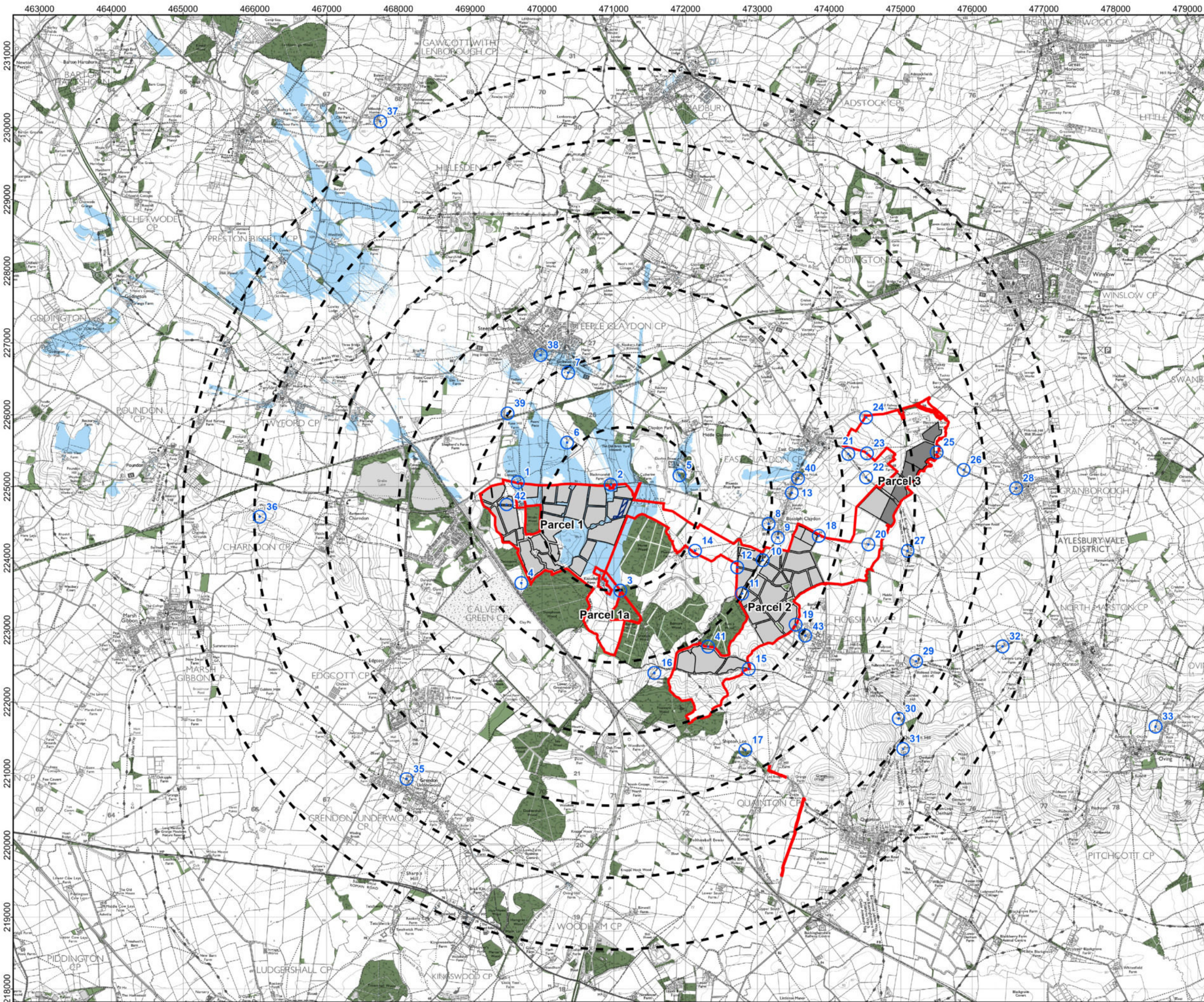


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.10a
ZTV OF SITING ZONE FOR STRUCTURES UP TO 6M PARCEL 1 - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3





LEGEND:

- Order Limits
- Siting Zone for Satellite Collector Compound up to 6m in Parcel 1
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from Siting Zone (1-6km)
- Woodland
- Viewpoints
- Zone of Theoretical Visibility**
- Siting zone for satellite collector compound may be visible

Notes:
Layout file: D010-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DSM-10-6.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings.

A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 6m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m² resolution.

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

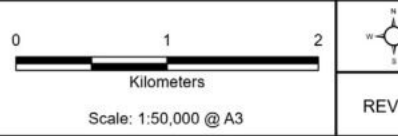
Rosefield Solar Farm

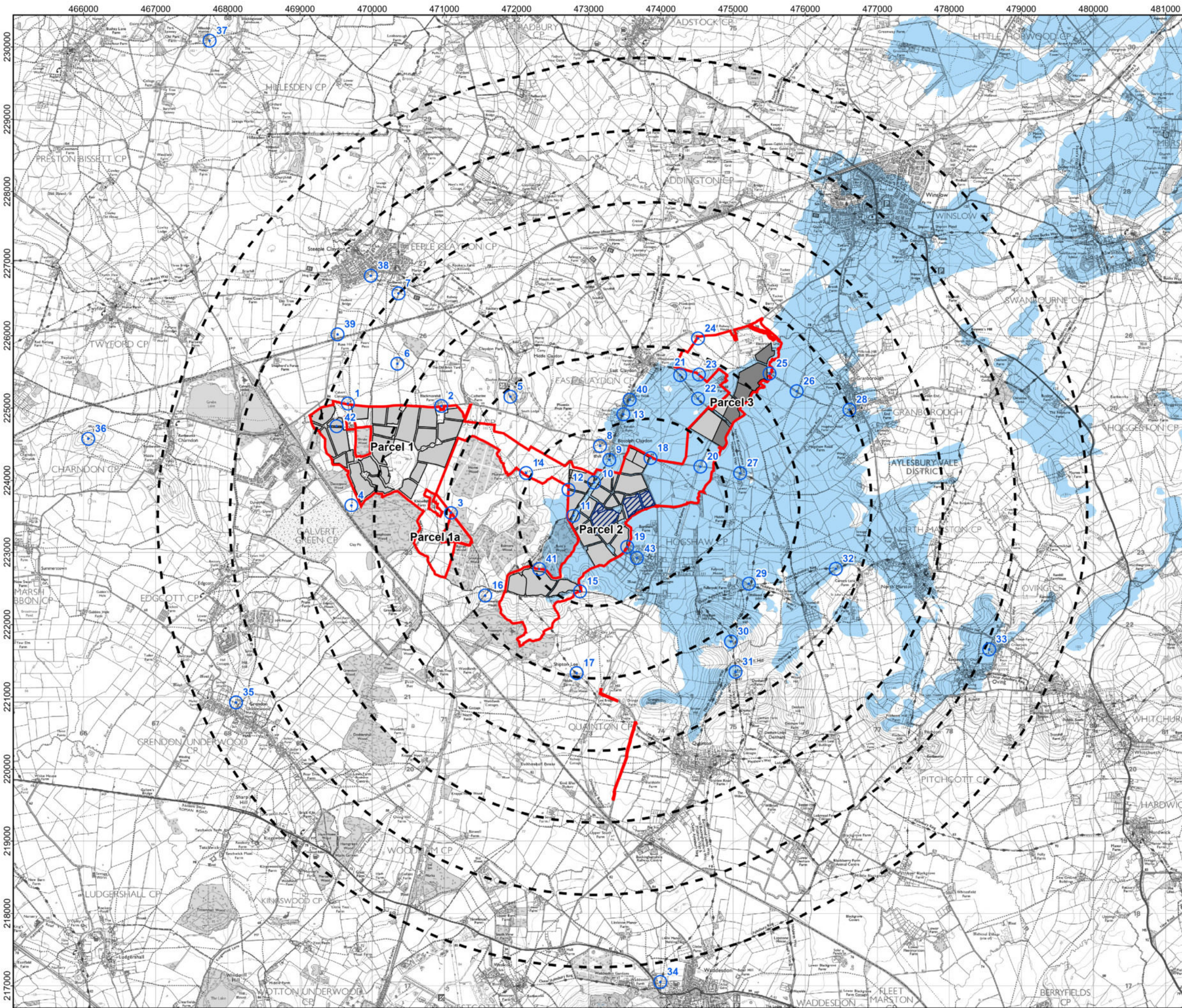


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.10b
ZTV OF SITING ZONE FOR STRUCTURES UP TO 6M PARCEL 1 - STANDARD SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3





LEGEND:

- Order Limits
- Siting Zone for Satellite Collector Compound and BESS up to 6m in Parcel 2
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from Siting Zone (1.6km)
- Viewpoints
- Zone of Theoretical Visibility
- Siting zone for satellite collector compound and BESS may be visible

Notes:
Layout file: D007-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking topography into account.

This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m² resolution.

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



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

Rosefield Solar Farm

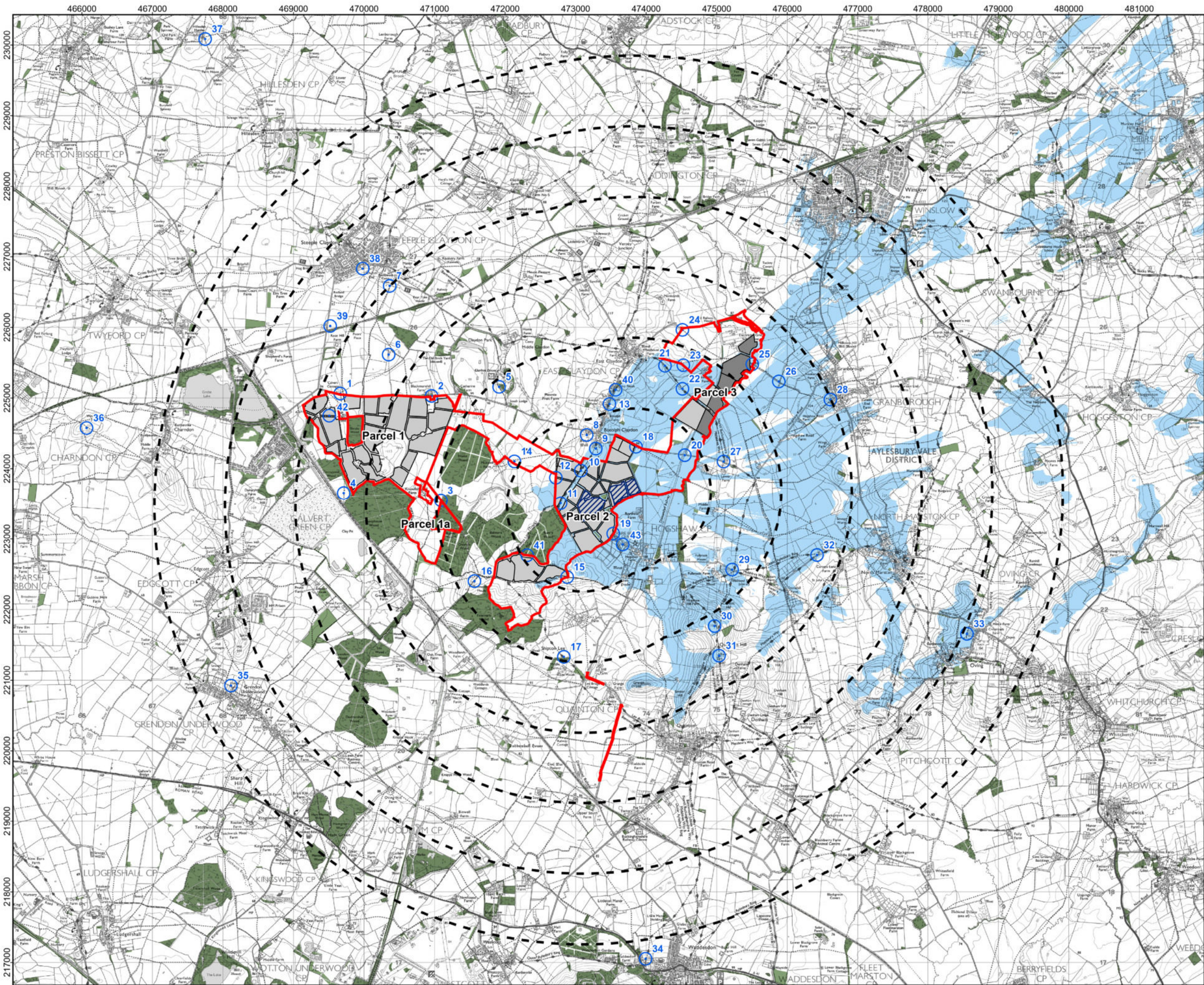
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.11a
ZTV OF SITING ZONE FOR STRUCTURES UP TO 6M PARCEL 2 - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:50,000 @ A3

REV 01



LEGEND:

- Order Limits
- Siting Zone for Satellite Collector
- Compound and BESS up to 6m in Parcel 2
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from Siting Zone (1.6km)
- Woodland
- Viewpoints
- Zone of Theoretical Visibility
- Siting zone for satellite collector compound and BESS may be visible

Notes:
Layout file: D010-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DSM-10-6.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings.

A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 6m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m² resolution.

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

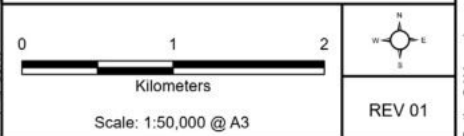
Rosefield Solar Farm

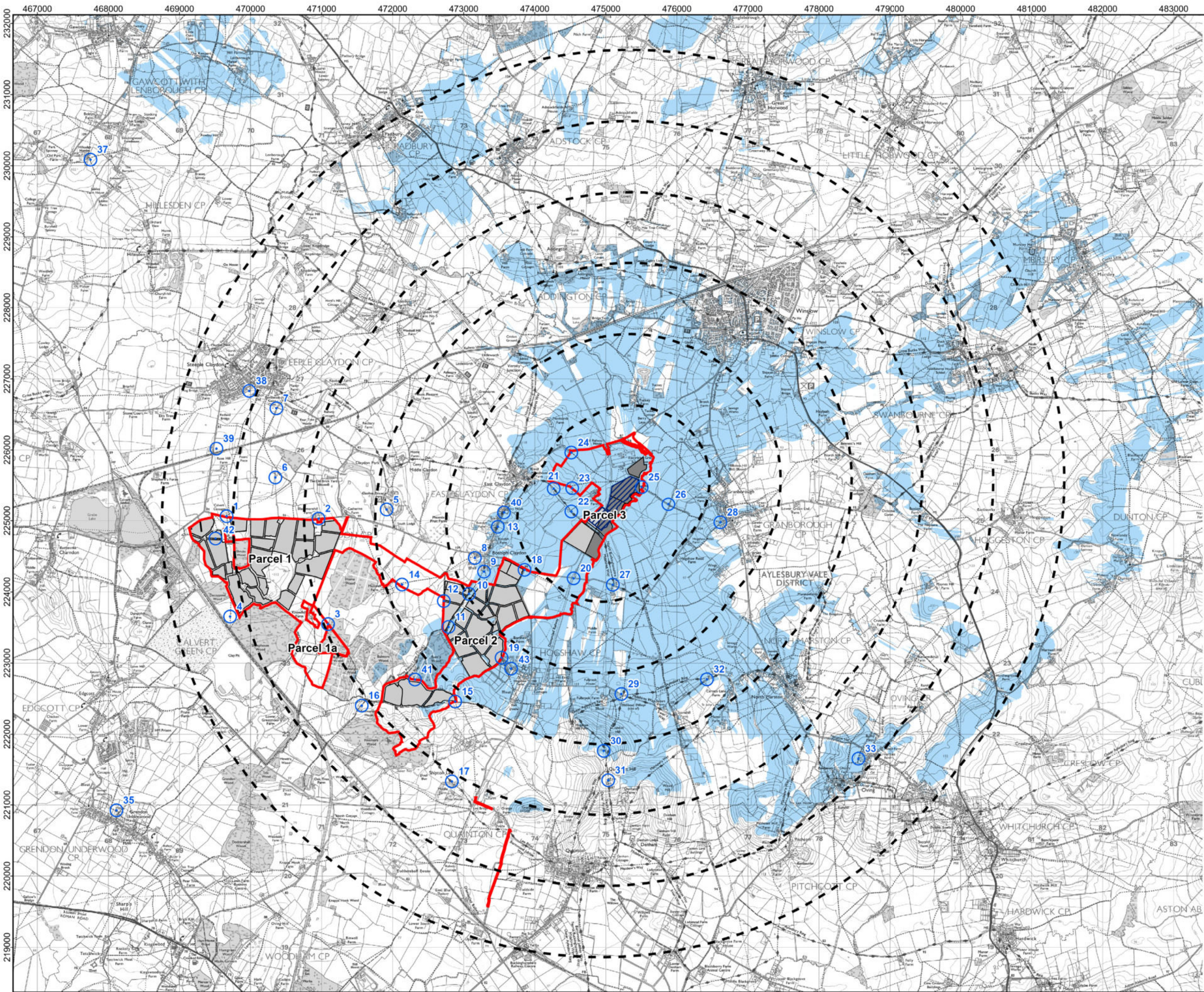


DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.11b
ZTV OF SITING ZONE FOR STRUCTURES UP TO 6M PARCEL 2 - STANDARD SCREENING

PINS REFERENCE NUMBER:
EN010158/APP/6.3





LEGEND:

- Order Limits
- Siting Zone for Rosefield Substation up to 15m and Main Collector Compound up to 6m in Parcel 3
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from Siting Zone (1-6km)
- Viewpoints
- Zone of Theoretical Visibility
- Siting zone for Rosefield substation and main collector compound may be visible

Notes:
Layout file: D010-obvs-panels-T5-5km.shp
Terrain data: T5-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking topography into account.

This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m² resolution.

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

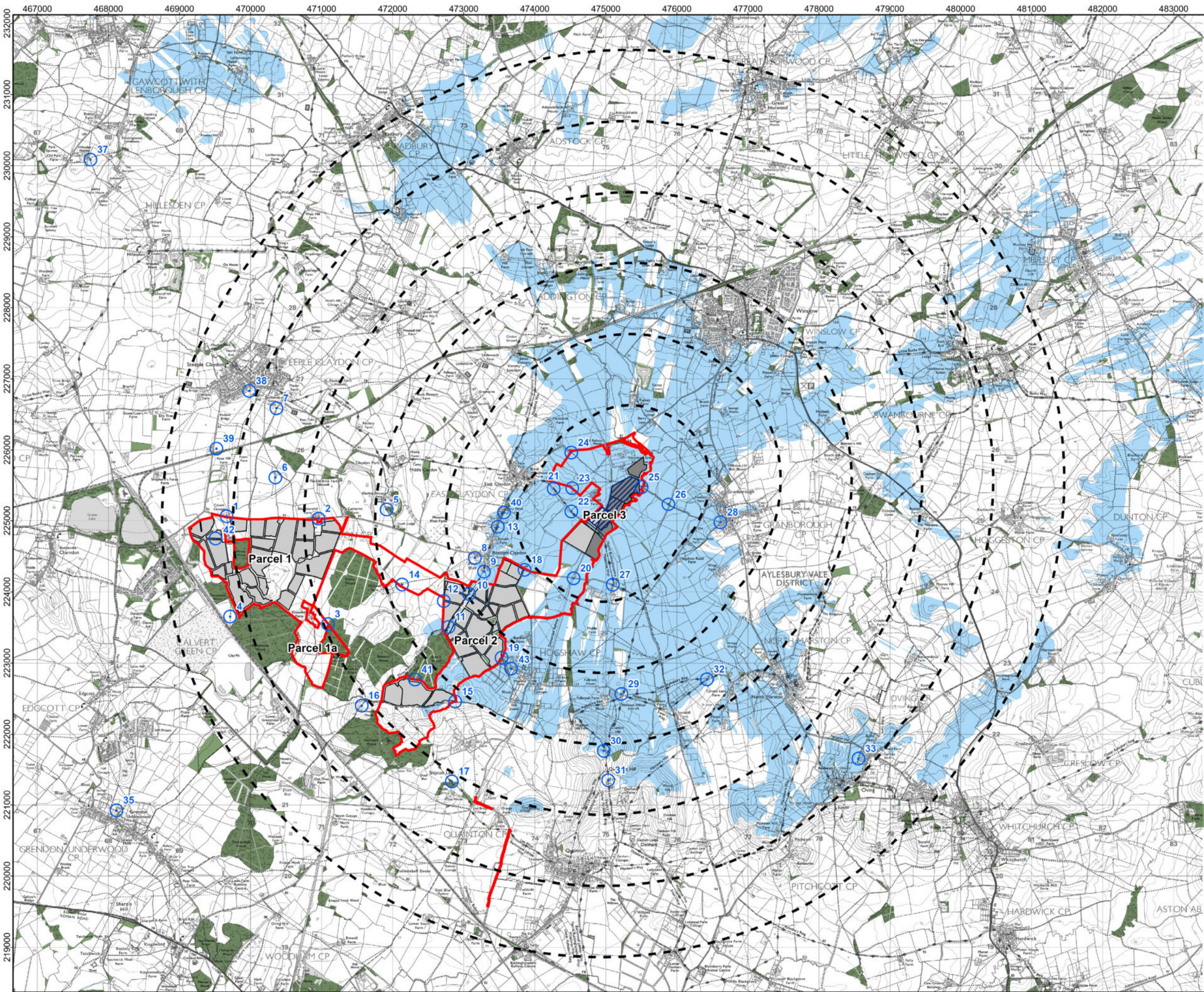
DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3: FIGURES
REGULATION 5(2)(a)

TITLE:
FIGURE 10.12a
ZTV OF SITING ZONE FOR STRUCTURES UP TO 15M AND 6M PARCEL 3 - BARE EARTH

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:50,000 @ A3

REV 01



LEGEND:

- Order Limits
- Siting Zone for Rosefield Substation up to 15m and Main Collector Compound up to 6m in Parcel 3
- Proposed Areas for Solar PV Modules (3.5m)
- Proposed Areas for Solar PV Modules (4.5m)
- Distance Radii from Siting Zone (1.6km)
- Woodland
- Viewpoints
- Zone of Theoretical Visibility
- Siting zone for Rosefield substation and main collector compound may be visible

Notes:
Layout file: D007-obvs-infrastructure-T5-5km.shp
Terrain data: T5-DSM-10-6.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings. A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 6m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m² resolution.

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



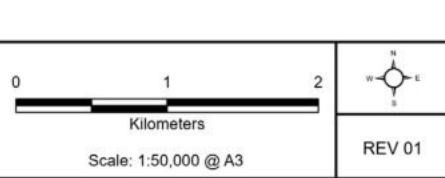
Rev	Date	Description	Drn	Chk	App
01	SEPT 2025	DCO SUBMISSION	MP	DL	JL
00	APR 2025	First Draft	MP	DL	JL

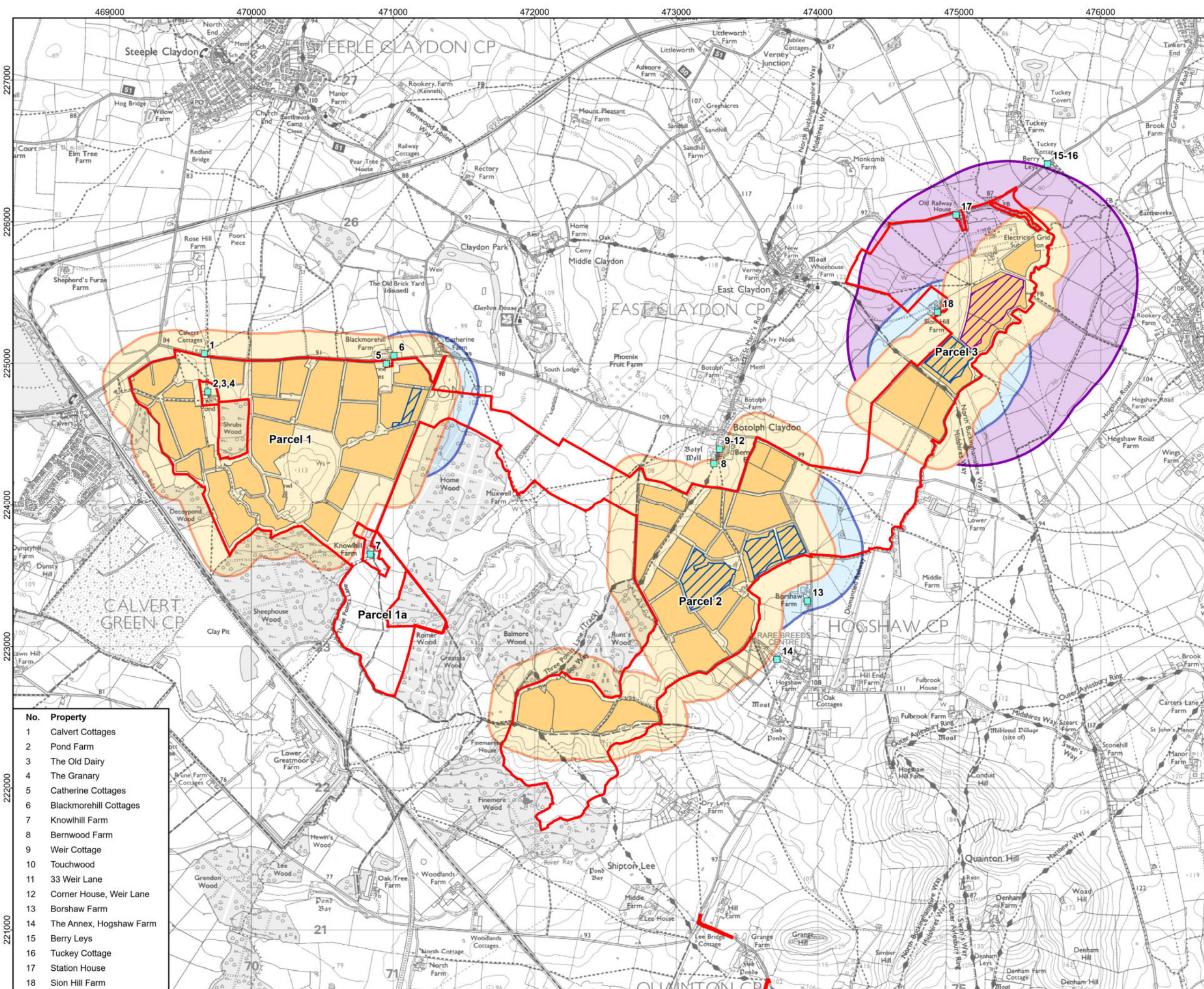
Rosefield Solar Farm

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

TITLE:
FIGURE 10.12b
ZTV OF SITING ZONE FOR STRUCTURES UP TO 15M AND 6M PARCEL 3 - STANDARD SCREENING

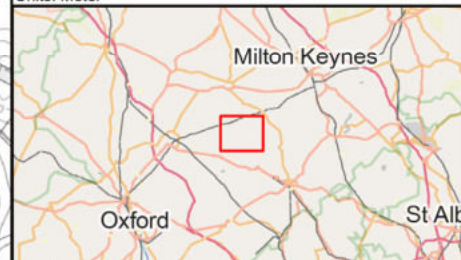
PINS REFERENCE NUMBER:
EN010158/APP/6.3





- LEGEND:**
- Order Limits
 - Areas for Solar PV Development
 - Proposed siting zone for Main Collector Compound 15m
 - Proposed siting zone for Main Collector Compound 6m
 - 200m Buffer from Solar PV Modules
 - 400m Buffer from Siting Zones for Structures up to 6m
 - 800m Buffer from Siting Zones for Structures up to 15m
 - Residential Properties

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

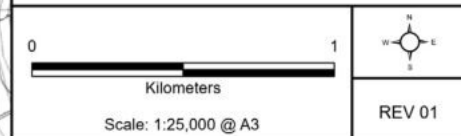
Rosefield Solar Farm



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

TITLE:
FIGURE 10.13
RESIDENTIAL PROPERTY LOCATION PLAN

PINS REFERENCE NUMBER:
EN010158/APP/6.3

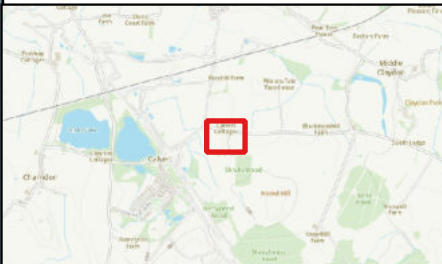


No.	Property
1	Calvert Cottages
2	Pond Farm
3	The Old Dairy
4	The Granary
5	Catherine Cottages
6	Blackmorehill Cottages
7	Knowhill Farm
8	Bernwood Farm
9	Weir Cottage
10	Touchwood
11	33 Weir Lane
12	Corner House, Weir Lane
13	Borshaw Farm
14	The Annex, Hogshaw Farm
15	Berry Leys
16	Tuckey Cottage
17	Station House
18	Sion Hill Farm



Legend:

- Order Limits
- Sitting zone for PV development
- 1 - 2 Calvert Cottages
- 1 - 2 Calvert Cottages Garden
- Agricultural Outbuildings
- Proposed hedgerow planting or enhanced management of existing hedgerow
- Proposed structure planting of native trees and shrubs
- Primary Orientation of Views
- Distance between residential property and sitting zone for above ground infrastructure
- RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.14
RVAA Property Plan - 1 - 2 Calvert Cottages,
Steeple Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:1,500 @ A3

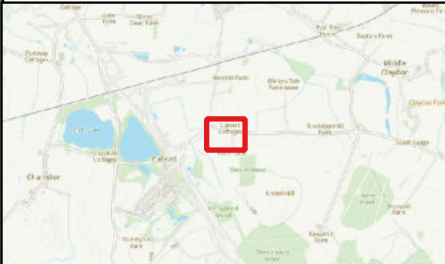
NORTH

REV 01



Legend:

- Order Limits
- Sitting zone for PV development
- 3 Calvert Cottages
- 3 Calvert Cottages Garden
- Proposed hedgerow planting or enhanced management of existing hedgerow
- Proposed structure planting of native trees and shrubs
- Primary Orientation of Views
- Distance between residential property and sitting zone for above ground infrastructure
- RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.15
RVAA Property Plan - 3 Calvert Cottages,
Steeple Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

Scale: 1:1,500 @ A3

NORTH

REV 01



Legend:

- Order Limits
- Sitting zone for PV development
- 4 - 5 Calvert Cottages
- 4 - 5 Calvert Cottages Garden
- Proposed hedgerow planting or enhanced management of existing hedgerow
- Proposed structure planting of native trees and shrubs
- Primary Orientation of Views
- Distance between residential property and sitting zone for above ground infrastructure
- RVAA Viewpoint Locations

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

Rosefield Solar Farm

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

TITLE:
FIGURE 10.16
RVAA Property Plan - 4 - 5 Calvert Cottages,
Steeple Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

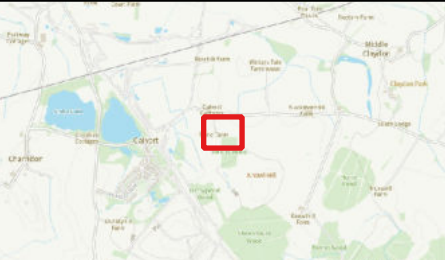
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - Granary Cottage
 - Granary Cottage Garden
 - Agricultural Outbuildings
 - Proposed hedgerow planting or enhanced management of existing hedgerow
 - Proposed structure planting of native trees and shrubs
 - Primary Orientation of Views
 - Distance between residential property and sitting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.17
RVAA Property Plan - Granary Cottage,
Steeple Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

02550

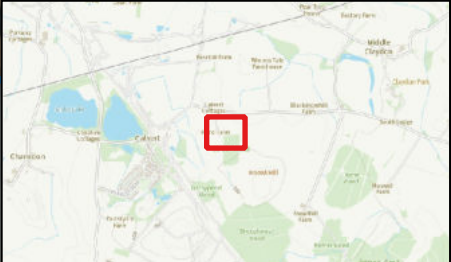
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - Pond Farm
 - Pond Farm Garden
 - Agricultural Outbuildings
 - Proposed hedgerow planting or enhanced management of existing hedgerow
 - Proposed structure planting of native trees and shrubs
 - Primary Orientation of Views
 - Distance between residential property and sitting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.18
RVAA Property Plan - Pond Farm, Steeple
Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

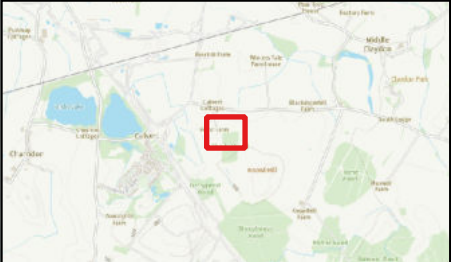
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - The Old Dairy
 - The Old Dairy Garden
 - Agricultural Outbuildings
 - Proposed hedgerow planting or enhanced management of existing hedgerow
 - Proposed structure planting of native trees and shrubs
 - Primary Orientation of Views
 - Distance between residential property and siting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.19
RVAA Property Plan - The Old Dairy, Steeple Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

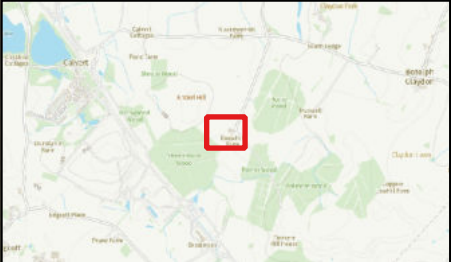
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - Knowhill Farm
 - Knowhill Farm Garden
 - Agricultural Outbuildings
 - Proposed hedgerow planting or enhanced management of existing hedgerow
 - Primary Orientation of Views
 - Distance between residential property and sitting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm

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

TITLE:
FIGURE 10.20
RVAA Property Plan - Knowhill Farm, Steeple
Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

0 25 50 m

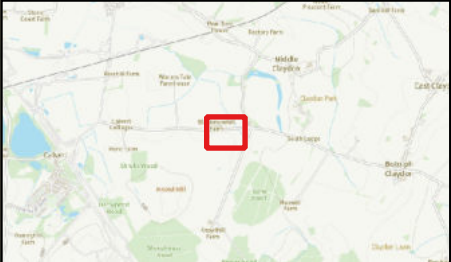
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - 1 - 2 Blackmorehill Cottages
 - 1 - 2 Blackmorehill Cottages Garden
 - Agricultural Outbuildings
 - Proposed hedgerow planting or enhanced management of existing hedgerow
 - Primary Orientation of Views
 - Distance between residential property and sitting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm

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

TITLE:
FIGURE 10.21
RVAA Property Plan - 1 - 2 Blackmorehill
Cottages, Middle Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

0 25 50 m

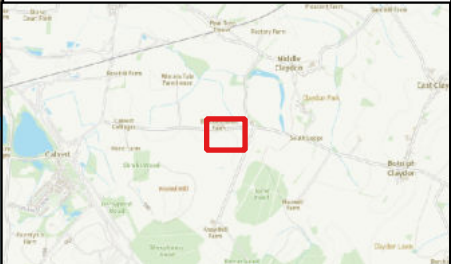
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - 4 - 5 Catherine Cottages
 - 4 - 5 Catherine Cottages Garden
 - Agricultural Outbuildings
 - Proposed hedgerow planting or enhanced management of existing hedgerow
 - Primary Orientation of Views
 - Distance between residential property and sitting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.22
RVAA Property Plan - 4 - 5 Catherine
Cottages, Middle Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

02550

Scale: 1:1,500 @ A3

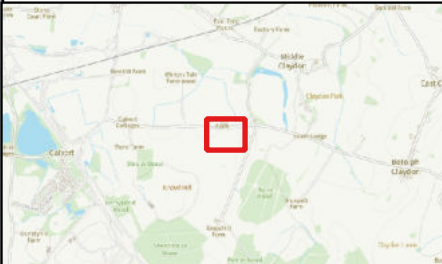
NORTH

REV 01



Legend:

- Order Limits
- Sitting zone for PV development
- 6 - 7 Catherine Cottages
- 6 - 7 Catherine Cottages Garden
- Agricultural Outbuildings
- Proposed hedgerow planting or enhanced management of existing hedgerow
- Primary Orientation of Views
- Distance between residential property and sitting zone for above ground infrastructure
- RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.23
RVAA Property Plan - 6 - 7 Catherine
Cottages, Middle Claydon

PINS REFERENCE NUMBER:
EN010158/APP/6.3

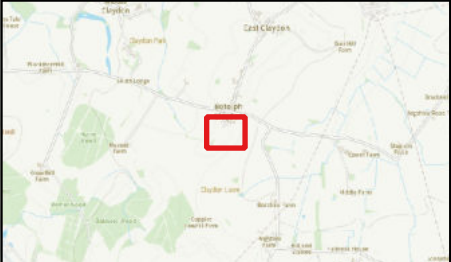
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - Bernwood Farm
 - Bernwood Farm Garden
 - Agricultural Outbuildings
 - Proposed hedgerow planting or enhanced management of existing hedgerow
 - Proposed structure planting of native trees and shrubs
 - Primary Orientation of Views
 - Distance between residential property and sitting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.24
RVAA Property Plan - Bernwood Farm,
Botolph Claydon

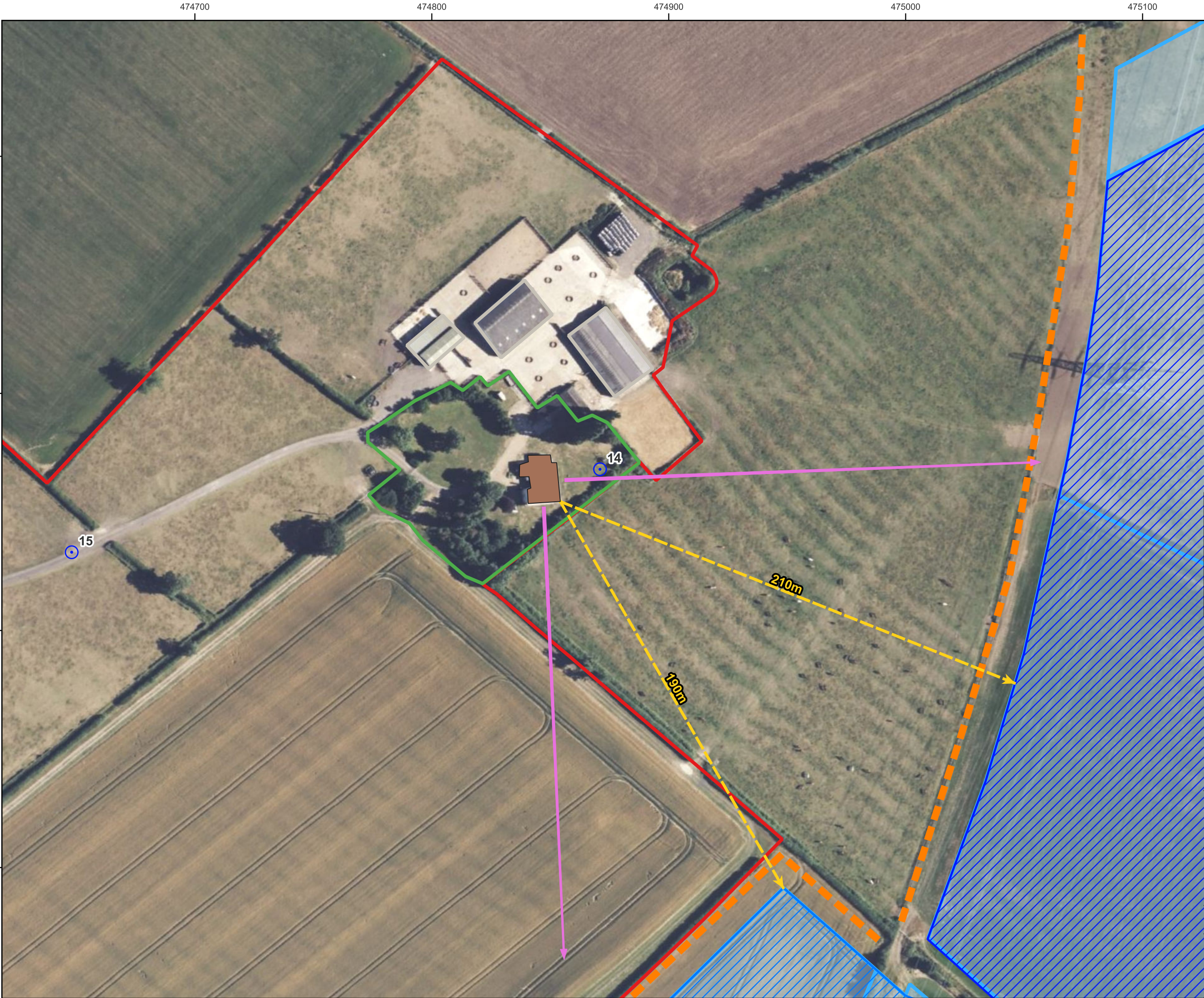
PINS REFERENCE NUMBER:
EN010158/APP/6.3

02550

Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - Proposed Rosefield Substation Siting Zone
 - Proposed Main Collector Compound Siting Zone
 - Sion Hill Farm
 - Sion Hill Farm Garden
 - Agricultural Outbuildings
 - Proposed structure planting of native trees and shrubs
 - Primary Orientation of Views
 - Distance between residential property and siting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.25
RVAA Property Plan - Sion Hill Farm, Off
Church Way

PINS REFERENCE NUMBER:
EN010158/APP/6.3

02550

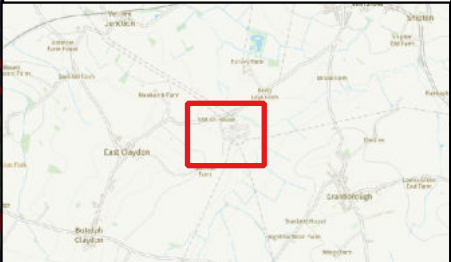
Scale: 1:1,500 @ A3

NORTH

REV 01



- Legend:**
- Order Limits
 - Sitting zone for PV development
 - Proposed Rosefield Substation Siting Zone
 - Station House
 - Station House Garden
 - Agricultural Outbuildings
 - Proposed structure planting of native trees and shrubs
 - Primary Orientation of Views
 - Distance between residential property and siting zone for above ground infrastructure
 - RVAA Viewpoint Locations



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

Rosefield Solar Farm



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

TITLE:
FIGURE 10.26
RVAA Property Plan - Station House, East
Claydon Road

PINS REFERENCE NUMBER:
EN010158/APP/6.3

