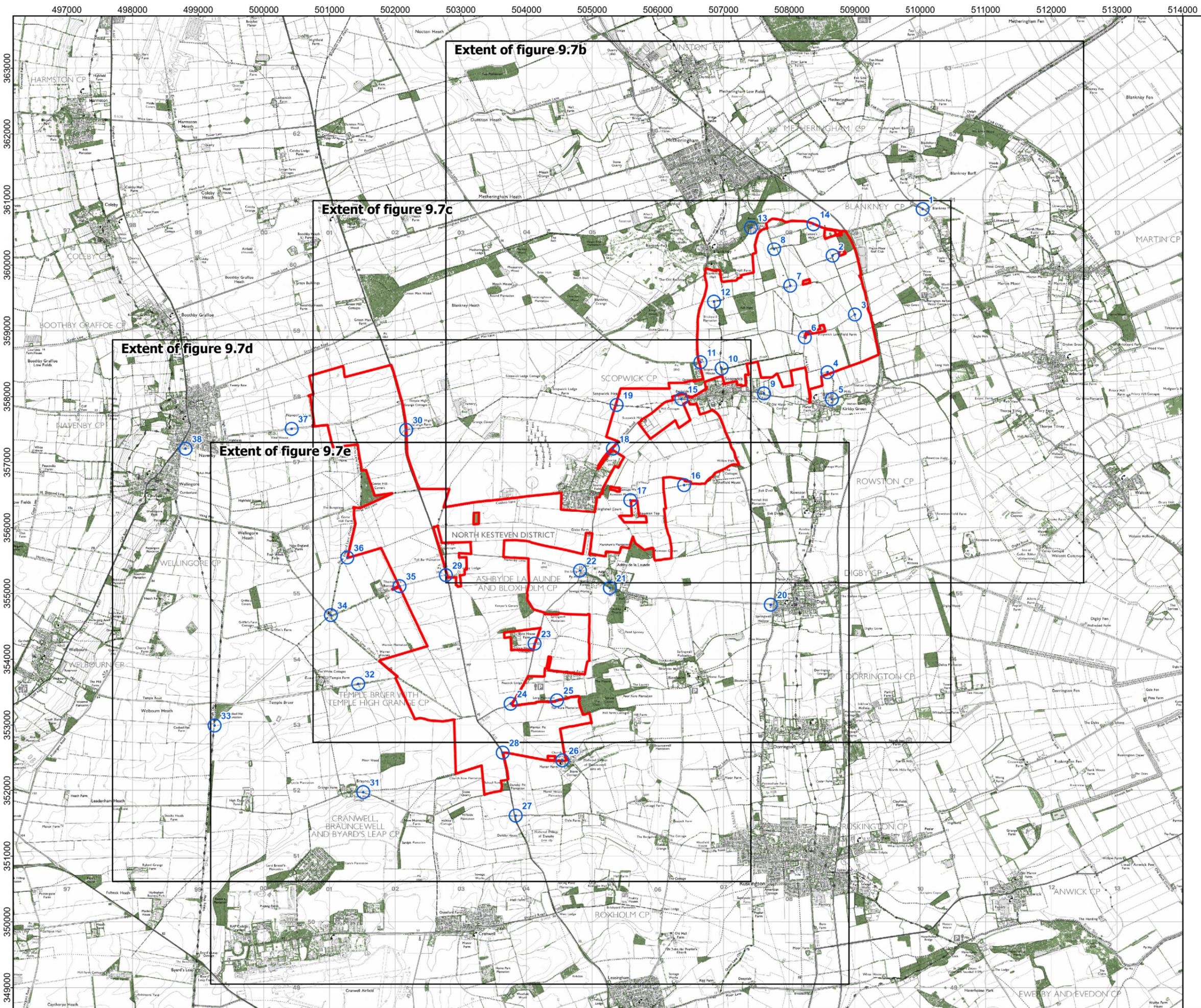


Figure 9.7

Siting Zone 6m ZTVs





- Legend:**
- Proposed Site Boundary
 - Viewpoints
 - Existing Woodland and Vegetation higher than 2.5m
 - Extent of Detail Sheets

NOTES:
 Layout file: D004-obvs-sitingAreas-LIDAR-5km.shp
 Terrain data: DEFRA-LIDAR-2022-derivedDSM-VOM-2m.asc
 Viewer's eye height: 2m above ground level
 Calculation grid size: 2m
 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 DEFRA 2022 2m DTM height data. Locations of buildings and woodland are taken from the OS Open Map Local dataset and woodland from the EA's Vegetation Object Model dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data. The actual extent of visibility on the ground will be less than that suggested by this plan.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 2m² resolution.
 The ZTV does not show cable route corridors, boundary fencing and CCTV, inverter and transformers and switchgear compounds, National Grid Sealing End Compound and additional 400kV towers.

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



Rev	Date	Description	Drn	Chk	App
00	24/10/2023	First Issue	MP	JI	

Springwell Solar Farm

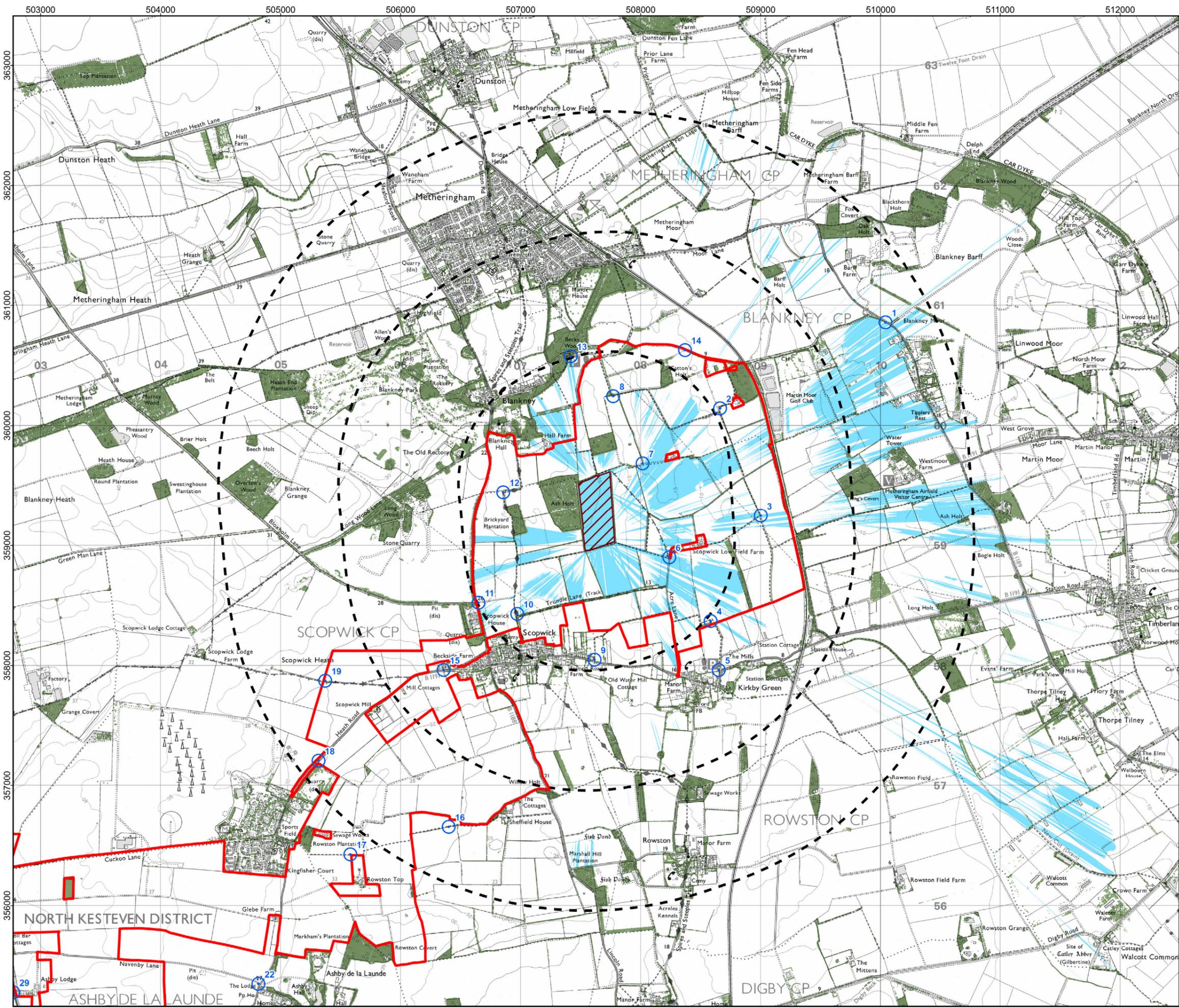
DOCUMENT:
PEIR

TITLE:
Detailed Screening ZTV of Siting Zone - Overview

FIGURE NUMBER:
9.7a

Scale: 1:55,000 @ A3

REV 00



- Legend:**
- Proposed Site Boundary
 - Siting Area
 - Distance Radii from Siting Area (1, 2, 3km)
 - Viewpoints
 - Existing Woodland and Vegetation higher than 2.5m
 - Siting zone for structures up to 6m high may be visible

NOTES:
 Layout file: D004-obvs-sitingAreas-LIDAR-5km.shp
 Terrain data: DEFRA-LIDAR-2022-derivedDSM-VOM-2m.asc
 Viewer's eye height: 2m above ground level
 Calculation grid size: 2m
 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 DEFRA 2022 2m DTM height data. Locations of buildings are taken from the OS Open Map Local dataset and woodland from the EA's Vegetation Object Model dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data. The actual extent of visibility on the ground will be less than that suggested by this plan.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 2m² resolution.
 The ZTV does not show cable route corridors, boundary fencing and CCTV, inverter and transformers and switchgear compounds, National Grid Sealing End Compound and additional 400kV towers.

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



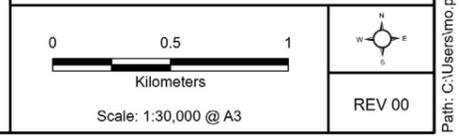
Rev	Date	Description	Drn	Chk	App
00	24/10/2023	First Issue	MP	JI	

Springwell Solar Farm

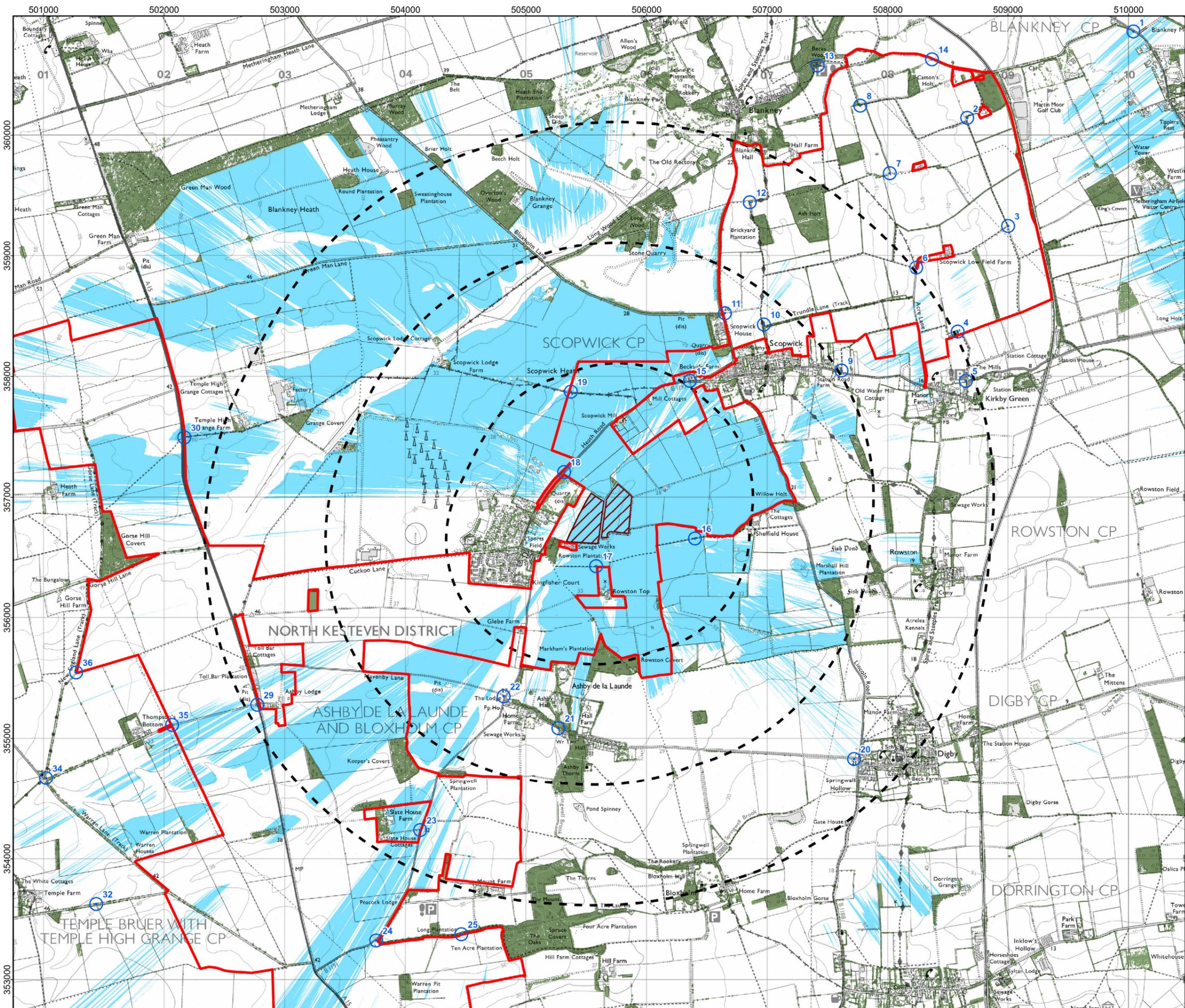
DOCUMENT:
PEIR

TITLE:
Detailed Screening ZTV of Siting Zone - for structures up to 6m (East Parcel)

FIGURE NUMBER:
9.7b



Path: C:\Users\m.pamplin\RSK\HLS\B\RSK Group\SH Projects\200s - 0297 - Acre Lane Solar Farm\05 Working Files\02 GIS\IP663620.aprx\PEIR 9-7a-d Siting Zone ZTVs Detailed



- Legend:**
- Proposed Site Boundary
 - Siting Area
 - Distance Radii from Siting Area (1, 2, 3km)
 - Viewpoints
 - Existing Woodland and Vegetation higher than 2.5m
 - Siting zone for structures up to 6m high may be visible

NOTES:
 Layout file: D004-obvs-sitingAreas-LIDAR-5km.shp
 Terrain data: DEFRA-LIDAR-2022-derivedDSM-VOM-2m.asc
 Viewer's eye height: 2m above ground level
 Calculation grid size: 2m
 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 DEFRA 2022 2m DTM height data. Locations of buildings are taken from the OS Open Map Local dataset and woodland from the EA's Vegetation Object Model dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data. The actual extent of visibility on the ground will be less than that suggested by this plan.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 2m² resolution.
 The ZTV does not show cable route corridors, boundary fencing and CCTV, inverter and transformers and switchgear compounds, National Grid Sealing End Compound and additional 400kV towers.

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



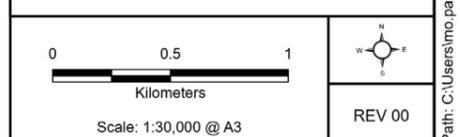
Rev	Date	Description	Drn	Chk	App
00	24/10/2023	First Issue	MP	JI	

Springwell Solar Farm

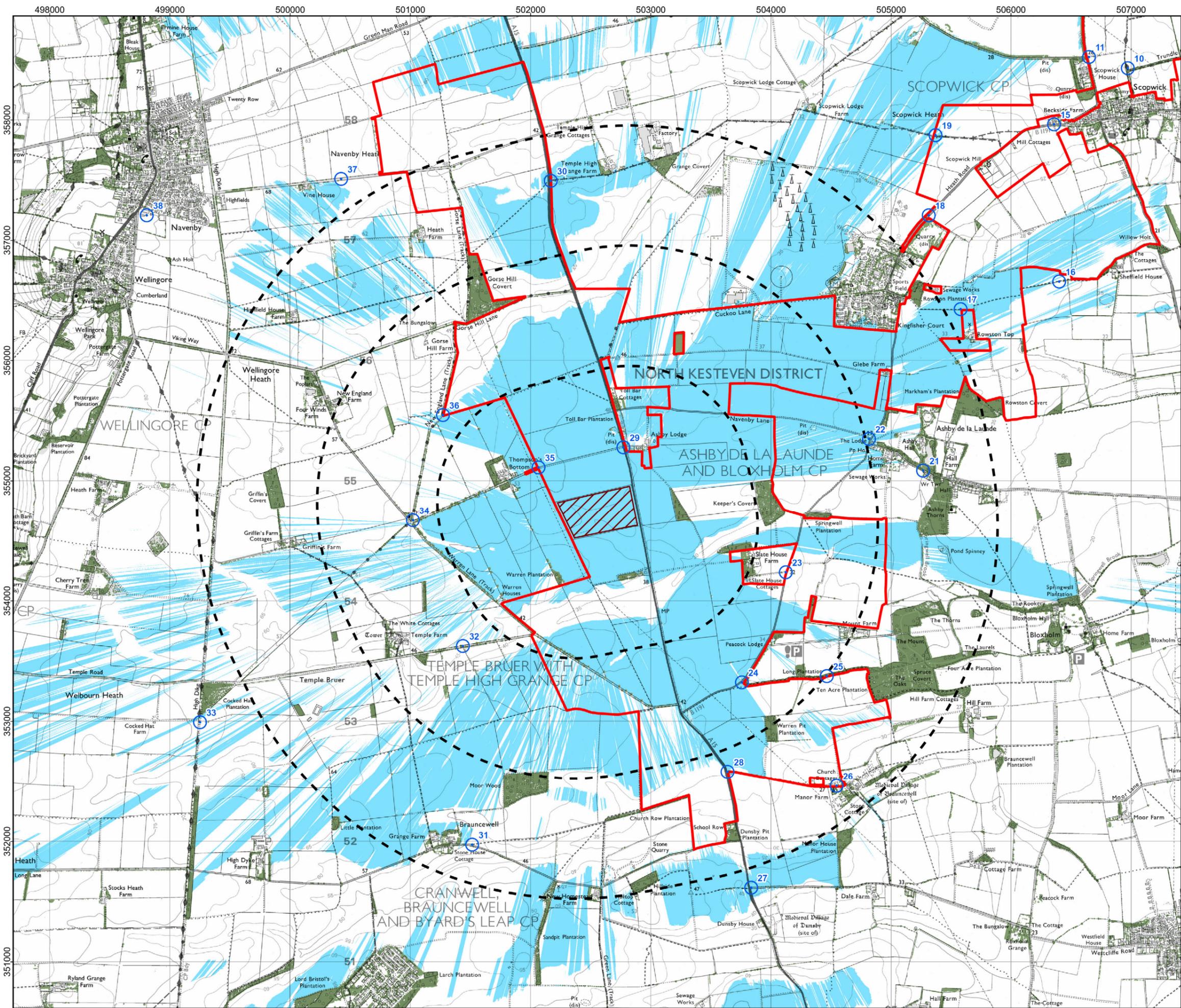
DOCUMENT:
PEIR

TITLE:
Detailed Screening ZTV of Siting Zone - for structures up to 6m (Central Parcel)

FIGURE NUMBER:
9.7c



Path: C:\Users\imo.pamplin\RSK\HLS\B\RSK Group\SH Projects\200s - 0297 - Acre Lane Solar Farm\05 Working Files\02 GIS\IP663620.aprx\PEIR 9-7a-d Siting Zone ZTVs Detailed



- Legend:**
- Proposed Site Boundary
 - Siting Area
 - Distance Radii from Siting Area (1, 2, 3km)
 - Viewpoints
 - Existing Woodland and Vegetation higher than 2.5m
 - Siting zone for structures up to 6m high may be visible

NOTES:
 Layout file: D004-obvs-sitingAreas-LIDAR-5km.shp
 Terrain data: DEFRA-LIDAR-2022-derivedDSM-VOM-2m.asc
 Viewer's eye height: 2m above ground level
 Calculation grid size: 2m
 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 DEFRA 2022 2m DTM height data. Locations of buildings are taken from the OS Open Map Local dataset and woodland from the EA's Vegetation Object Model dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data. The actual extent of visibility on the ground will be less than that suggested by this plan.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 2m² resolution.
 The ZTV does not show cable route corridors, boundary fencing and CCTV, inverter and transformers and switchgear compounds, National Grid Sealing End Compound and additional 400kV towers.

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



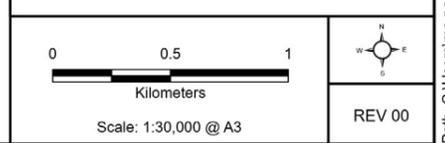
Rev	Date	Description	Drn	Chk	App
00	24/10/2023	First Issue	MP	JI	

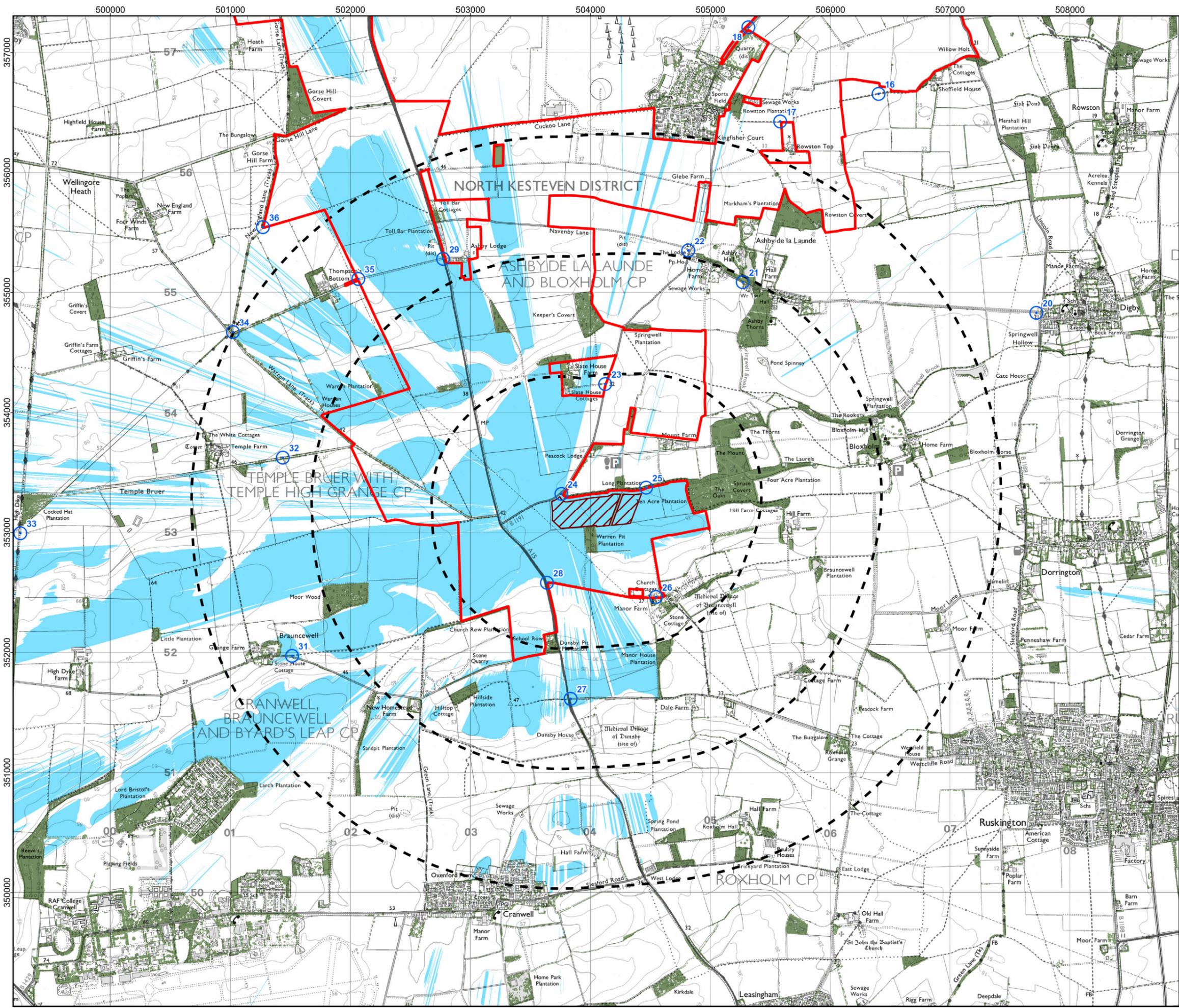
Springwell Solar Farm

DOCUMENT:
PEIR

TITLE:
Detailed Screening ZTV of Siting Zone - for structures up to 6m (West Parcel Option 1)

FIGURE NUMBER:
9.7d





- Legend:**
- Proposed Site Boundary
 - Siting Area
 - Distance Radii from Siting Area (1, 2, 3km)
 - Viewpoints
 - Existing Woodland and Vegetation higher than 2.5m
 - Siting zone for structures up to 6m high may be visible

NOTES:
 Layout file: D004-obvs-sitingAreas-LIDAR-5km.shp
 Terrain data: DEFRA-LIDAR-2022-derivedDSM-VOM-2m.asc
 Viewer's eye height: 2m above ground level
 Calculation grid size: 2m
 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 DEFRA 2022 2m DTM height data. Locations of buildings are taken from the OS Open Map Local dataset and woodland from the EA's Vegetation Object Model dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data. The actual extent of visibility on the ground will be less than that suggested by this plan.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 2m² resolution.
 The ZTV does not show cable route corridors, boundary fencing and CCTV, inverter and transformers and switchgear compounds, National Grid Sealing End Compound and additional 400kV towers.

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



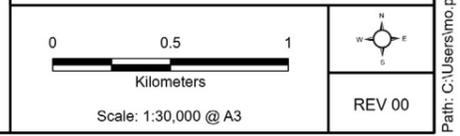
Rev	Date	Description	Drn	Chk	App
00	24/10/2023	First Issue	MP	JI	

Springwell Solar Farm

DOCUMENT:
PEIR

TITLE:
Detailed Screening ZTV of Siting Zone - for structures up to 6m (West Parcel Option 2)

FIGURE NUMBER:
9.7e



Path: C:\Users\imo.pamplin\RSK\HEL\SB\RSK Group\SH Projects\200s - 0297 - Acre Lane Solar Farm\05 Working Files\02 GIS\IP663620.aprx\PEIR 9-7a-d Siting Zone ZTVs Detailed