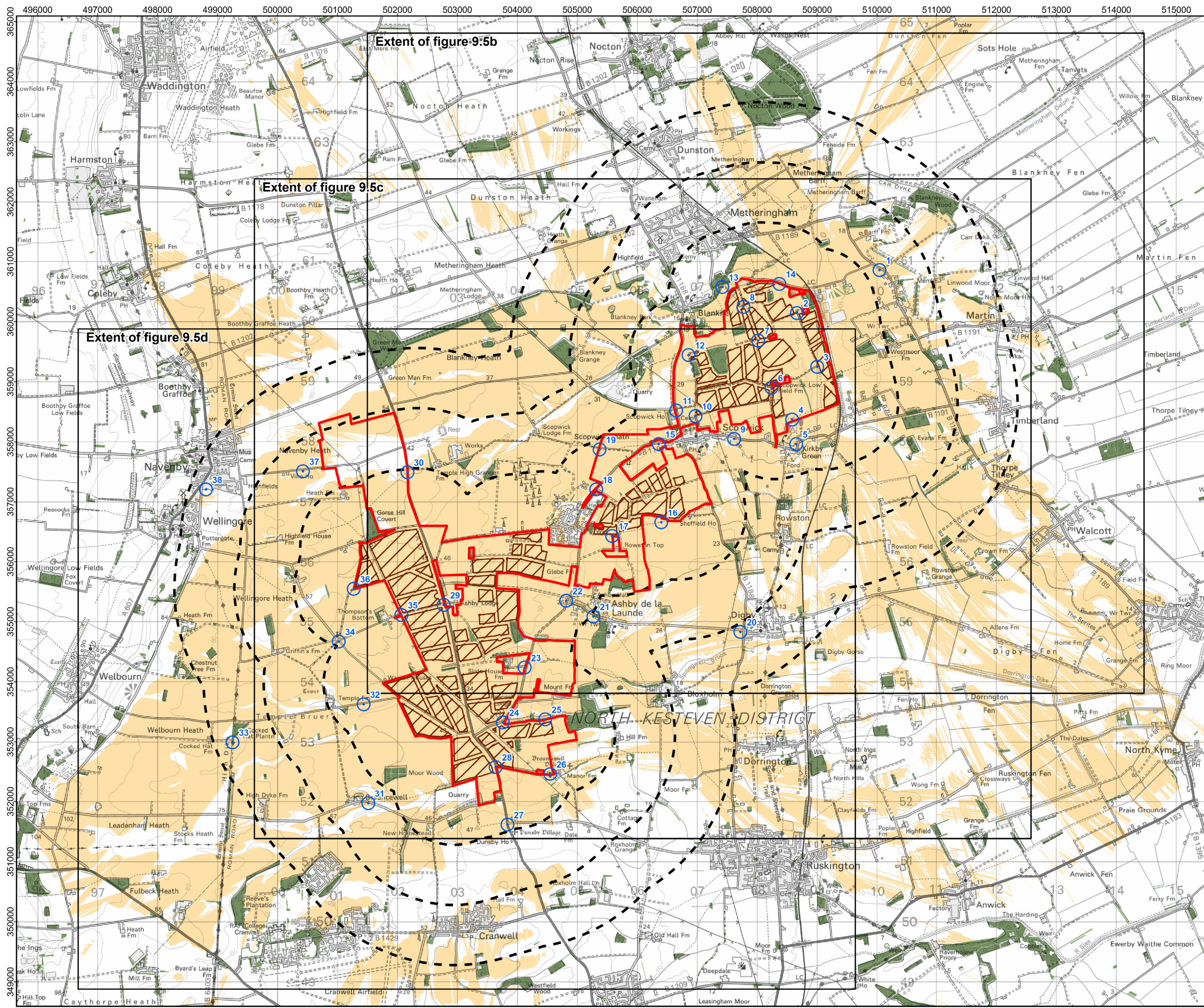


Figure 9.5

Solar PV Standard ZTVs





- Legend:**
- Proposed Site Boundary
 - Proposed Solar PV Modules
 - Distance Radii from Proposed Solar PV Modules (1, 2, 3km)
 - Viewpoints
 - Existing Woodland
 - Solar PV Modules may be visible

NOTES:
 Layout file: D004-obvs-panels-LiDAR-5km.shp
 Terrain data: DEFRA-LiDAR-2022-derivedDSM-5m.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 with the locations of woodland and buildings taken from the OS Open Map Local dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data.
 The model does not take into account some localised features such as hedgerows or individual trees and therefore still gives an exaggerated impression of the extent of visibility. 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 5m² resolution.
 The ZTV does not include inverters, transformers or switchgear compounds and shows the visibility of the solar PV panels only.
 Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



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Springwell Solar Farm

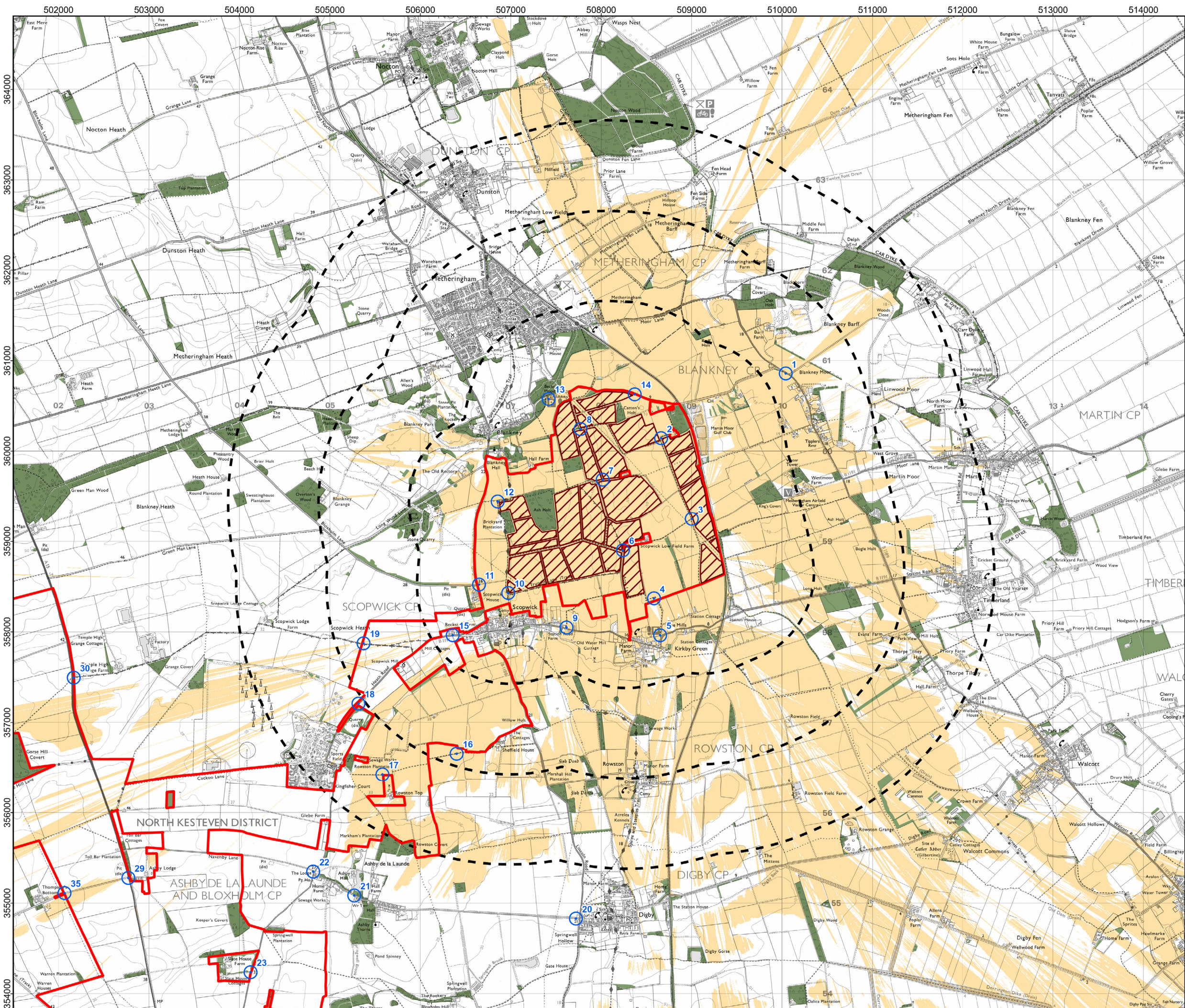
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TITLE:
Standard ZTV of Solar PV Modules

FIGURE NUMBER:
9.5a

Scale: 1:60,000 @ A3

REV 00



- Legend:**
- Proposed Site Boundary
 - Proposed Solar PV Modules
 - Distance Radii from Proposed Solar PV Modules (1, 2, 3km)
 - Viewpoints
 - Existing Woodland
 - Solar PV Modules may be visible

NOTES:
 Layout file: D004-obvs-panels-LiDAR-5km.shp
 Terrain data: DEFRA-LiDAR-2022-derivedDSM-5m.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 DEFRA 2022 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data.
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 Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



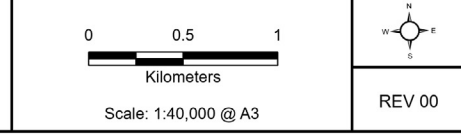
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Springwell Solar Farm

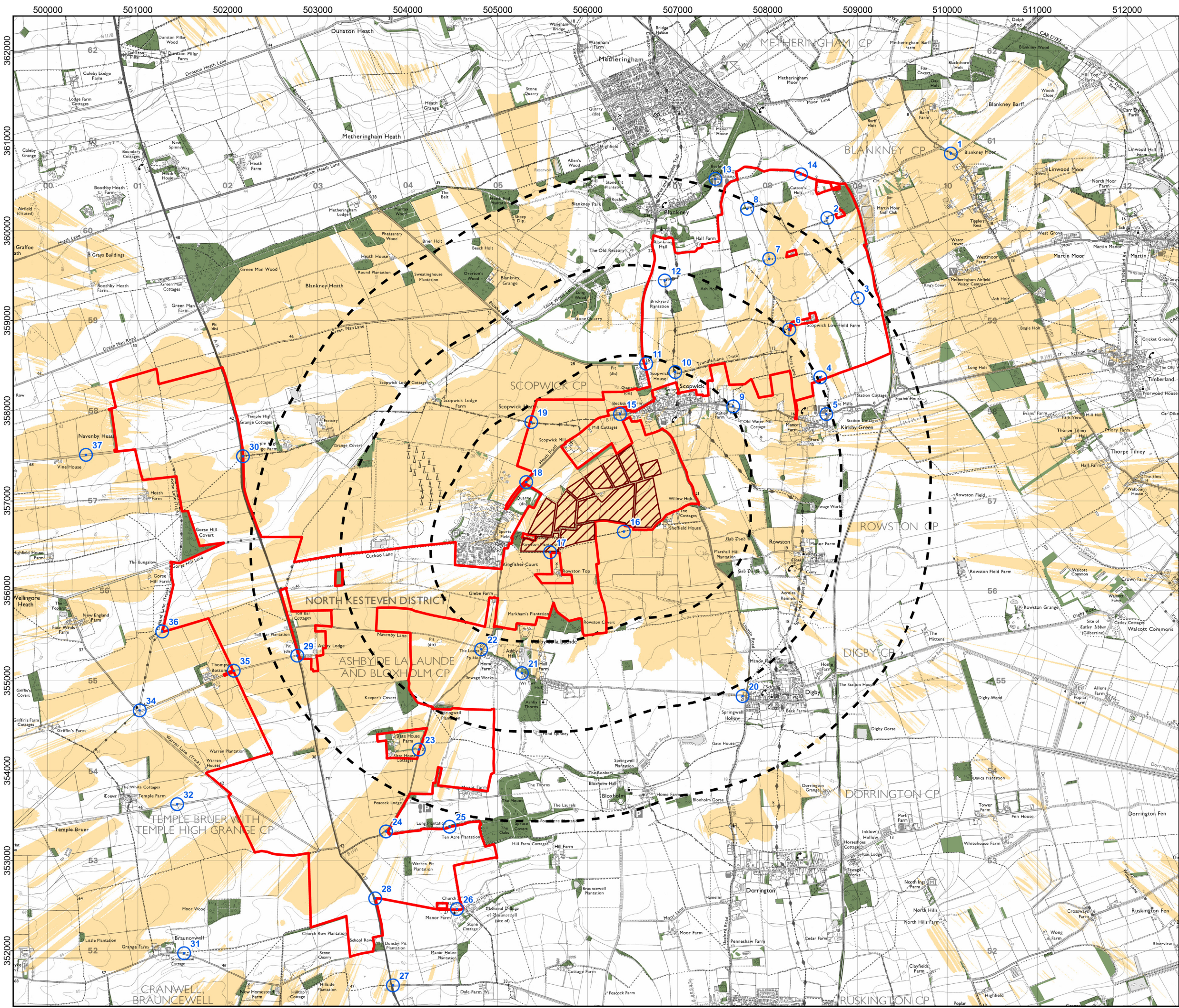
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TITLE:
Standard Screening ZTV of Solar PV Modules - East Parcel

FIGURE NUMBER:
9.5b



Path: C:\Users\imo.pamplin.RSK\HELSB\YRSK Group\SH Projects\200s - 0297 - Acre Lane Solar Farm\05 Working Files\02 GIS\IP663620.aprx\PEIR 9.5b-d Solar ZTVs Standard



- Legend:**
- Proposed Site Boundary
 - Proposed Solar PV Modules
 - Distance Radii from Proposed Solar PV Modules (1, 2, 3km)
 - Viewpoints
 - Existing Woodland
 - Solar PV Modules may be visible

NOTES:
 Layout file: D004-obvs-panels-LiDAR-5km.shp
 Terrain data: DEFRA-LiDAR-2022-derivedDSM-5m.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 DEFRA 2022 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data.
 The model does not take into account some localised features such as hedgerows or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan.
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 The ZTV does not include inverters, transformers or switchgear compounds and shows the visibility of the solar PV panels only.
 Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



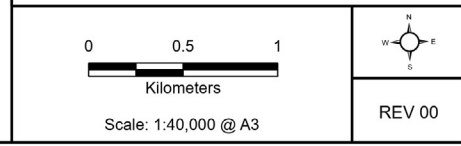
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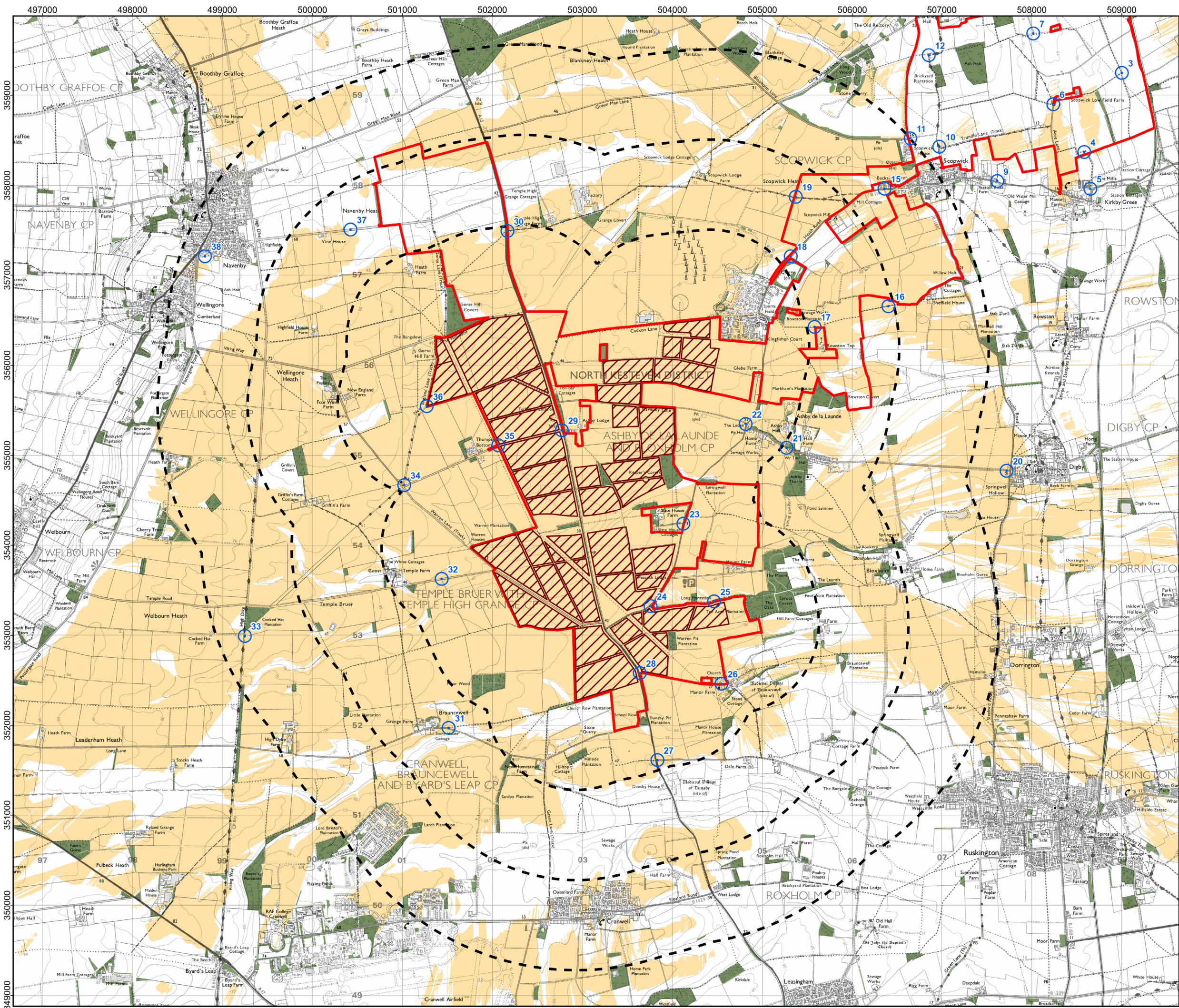


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TITLE:
Standard Screening ZTV of Solar PV Modules - Central Parcel

FIGURE NUMBER:
9.5c





- Legend:**
- Proposed Site Boundary
 - Proposed Solar PV Modules
 - Distance Radii from Proposed Solar PV Modules (1, 2, 3km)
 - Viewpoints
 - Existing Woodland
 - Solar PV Modules may be visible

NOTES:
 Layout file: D004-obvs-panels-LiDAR-5km.shp
 Terrain data: DEFRA-LiDAR-2022-derivedDSM-5m.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 DEFRA 2022 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Heights of buildings and woodland are taken from DEFRA 2022 2m DSM height data.
 The model does not take into account some localised features such as hedgerows or individual trees and therefore still gives an exaggerated impression of the extent of visibility. 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 5m² resolution.
 The ZTV does not include inverters, transformers or switchgear compounds and shows the visibility of the solar PV panels only.
 Coordinate System: British National Grid
 Projection: Transverse Mercator
 Datum: OSGB 1936
 Units: Meter



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DOCUMENT:
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TITLE:
Standard Screening ZTV of Solar PV Modules - West Parcel

FIGURE NUMBER:
9.5d

