Land Parcel A

Land Parcel B

Land Parcel C

Land Parcel D

Underground grid connection corridor

0 0.5 1 km

1:25000 on A3

**Legend**

N

Draft Order Limits

Distance radii from nearest potential PV module within land parcel (1km, 2km, 3km)

Existing Woodland

Existing Buildings

Extent of area with potential to accomodate substation

**Zone of Theoretical visibility**
**8m high electrical equipment may be visible**

More theoretical visibility

Less theoretical visibility

**Zone of Theoretical visibility**
**15m high comms tower and substation apparatus may be additionally visible**

More theoretical visibility

Less theoretical visibility

FIGURE DATA:
This figure has been based on the following data:
Layout file: Mylen Leah 100F
Terrain data: LiDAR-5m-derived-DSM-derived.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

NOTES:
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 Survey LiDAR DTM, DSM Data 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 dataset. Heights of buildings, woodland and vegetation have been taken from LiDAR 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 5m sq resolution.

# Figure 11.3a Onsite Substation ZTV – Option A

Project Name: Mylen Leah Solar Farm

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| X: 475178<br>Y: 442019 | R2 | 25/02/2026 |

Land Parcel A

Land Parcel B

Land Parcel C

Land Parcel D

Land Parcel E

Underground grid connection corridor

0 0.5 1 km

1:25000 on A3

## Legend

N

- Draft Order Limits
- Distance radii from nearest potential PV module within land parcel (1km, 2km, 3km)
- Existing Woodland
- Existing Buildings
- Extent of area with potential to accomodate substation

**Zone of Theoretical visibility**
**8m high electrical equipment may be visible**

- More theoretical visibility
- Less theoretical visibility

**Zone of Theoretical visibility**
**15m high comms tower and substation apparatus may be additionally visible**

- More theoretical visibility
- Less theoretical visibility

FIGURE DATA:
This figure has been based on the following data:
Layout file: Mylen Leah 100F
Terrain data: LiDAR-5m-derived-DSM-derived.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

NOTES:
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 Survey LiDAR DTM, DSM Data 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 dataset. Heights of buildings, woodland and vegetation have been taken from LiDAR 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 5m sq resolution.

# Figure 11.3b: Onsite Substation ZTV – Option B

Project Name: Mylen Leah Solar Farm

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| JG | MS |

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| X: 473635<br>Y: 440896 | R3 | 25/02/2026 |

Land Parcel A

Land Parcel B

Land Parcel C

Land Parcel D

Land Parcel E

Underground grid connection corridor

0 0.5 1 km

1:25000 on A3

**Legend**

N

Draft Order Limits

Distance radii from nearest potential PV module within land parcel (1km, 2km, 3km)

Existing Woodland

Existing Buildings

Extent of area with potential to accomodate substation

**Zone of Theoretical visibility**
**8m high electrical equipment may be visible**

More theoretical visibility

Less theoretical visibility

**Zone of Theoretical visibility**
**15m high comms tower and substation apparatus may be additionally visible**

More theoretical visibility

Less theoretical visibility

FIGURE DATA:
This figure has been based on the following data:
Layout file: Mylen Leah 100F
Terrain data: LiDAR-5m-derived-DSM-derived.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

NOTES:
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 Survey LiDAR DTM, DSM Data 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 dataset. Heights of buildings, woodland and vegetation have been taken from LiDAR 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 5m sq resolution.

# Figure 11.3c Onsite Substation ZTV – Option C

Project Name: Mylen Leah Solar Farm

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Land Parcel A

Land Parcel B

Land Parcel C

Land Parcel D

Land Parcel E

0 0.5 1 km

1:25000 on A3

**Legend**

N

Draft Order Limits

Distance radii from nearest potential PV module within land parcel (1km, 2km, 3km)

Existing Woodland

Existing Buildings

Extent of area with potential to accomodate substation

**Zone of Theoretical visibility**
**8m high electrical equipment may be visible**

More theoretical visibility

Less theoretical visibility

**Zone of Theoretical visibility**
**15m high comms tower and substation apparatus may be additionally visible**

More theoretical visibility

Less theoretical visibility

FIGURE DATA:
This figure has been based on the following data:
Layout file: Mylen Leah 100F
Terrain data: LiDAR-5m-derived-DSM-derived.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

NOTES:
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 Survey LiDAR DTM, DSM Data 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 dataset. Heights of buildings, woodland and vegetation have been taken from LiDAR 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 5m sq resolution.

# Figure 11.3d Onsite Substation ZTV – Option D

Project Name: Mylen Leah Solar Farm

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