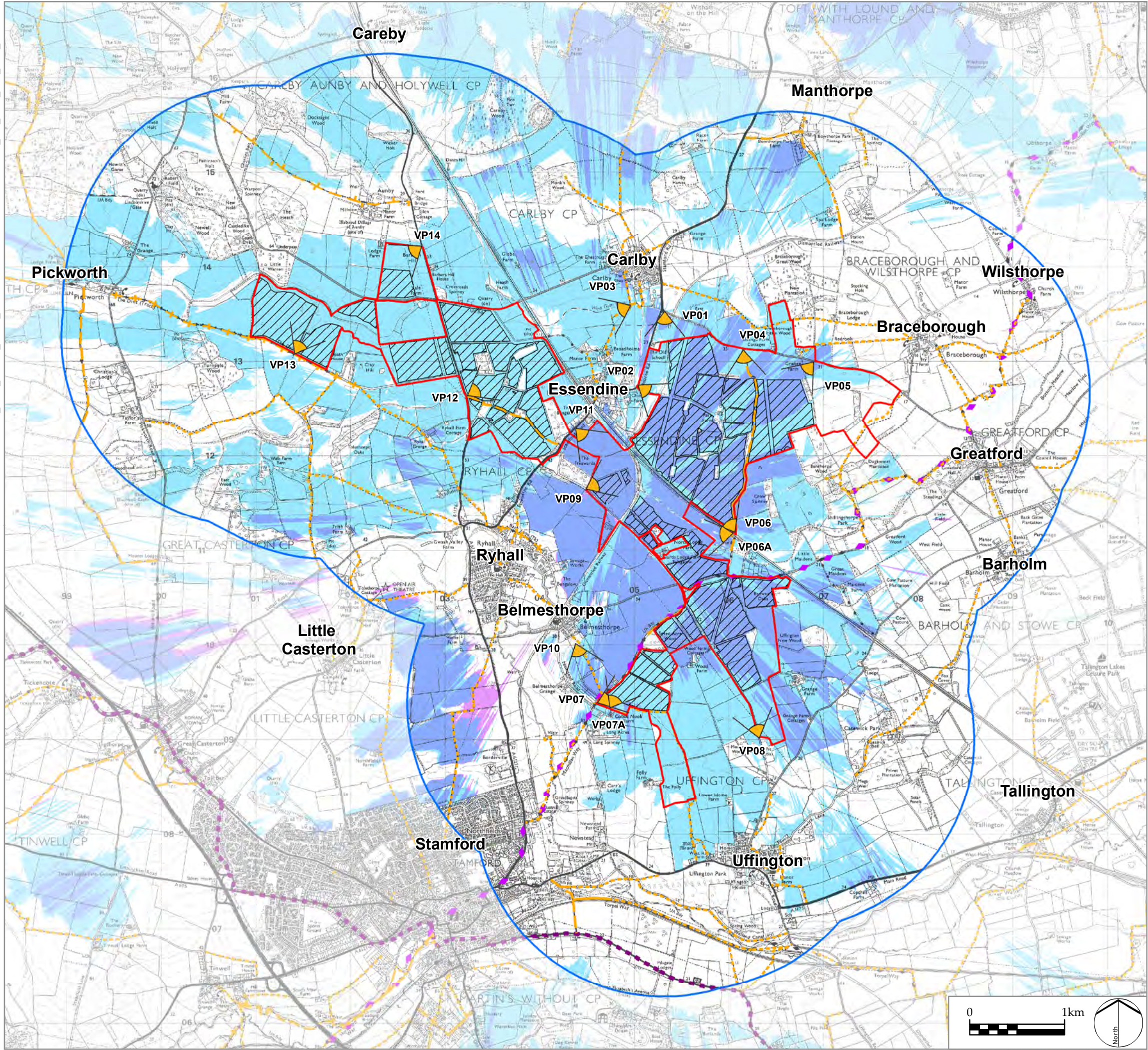


Z:\17863_NSIP_SOLAR_FARM_CONFIDENTIAL\8GIS\PROJECTS\7863_106_Peir_ZTV_and_VPs.MXD



LEGEND

Solar PV Site and Mitigation and Enhancement Areas

Study Area (2km)

Representative Viewpoints

Public Rights of Way

Footpath

Bridleway

Byway open to all traffic

Restricted Byway

Macmillan Way Long Distance Path

National Cycle Network Route

Proposed Solar PV Site Area

Zone of Theoretical Visibility (ZTV) (computer generated)

PV Module height of 3.5m

Primary On-Site Substation height of 13m

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the viewshed routine in the ESRI ArcGIS Suite. The areas shown are the maximum theoretical visibility, taking into account topography, vegetation and buildings which have been included in the model with the heights obtained from a LiDAR digital surface model.

Due to its resolution, the surface model does not take into account every localised feature such as walls, small hedgerows or small trees and therefore only gives an impression of the extent of visibility.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on LiDAR terrain data with a 2m² resolution.

LDA DESIGN

PROJECT TITLE
MALLARD PASS SOLAR FARM
PRELIMINARY ENVIRONMENTAL
INFORMATION REPORT

DRAWING TITLE
Figure 6.6: Zone of Theoretical Visibility
(ZTV) Study and Viewpoint Locations

ISSUED BY	Oxford	T: 01865 887050
DATE	May 2022	DRAWN SG
SCALE @A3	1:40,000	CHECKED GE
STATUS	Final	APPROVED RP

DWG. NO. 7863_106

No dimensions are to be scaled from this drawing.
All dimensions are to be checked on site.
Area measurements for indicative purposes only.

© LDA Design Consulting Ltd. Quality Assured to BS EN ISO 9001 : 2008

Sources: Ordnance Survey, Sustrans



To be viewed at comfortable arm's length




To be viewed at comfortable arm's length






Photomontage Year 1 (Left)

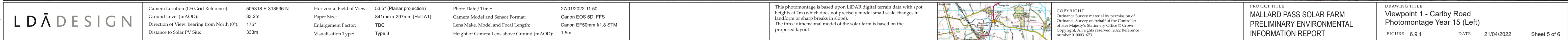
To be viewed at comfortable arm's length

LDĀDESIGN	Camera Location (OS Grid Reference): 505318 E 313536 N		Horizontal Field of View: 53.5° (Planar projection)	Photo Date / Time: 27/01/2022 11:50	This photomontage is based upon LIDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope). The three dimensional model of the solar farm is based on the proposed layout.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 1 - Carlby Road Photomontage Year 1 (Left)	FIGURE 6.9.1	DATE 21/04/2022	Sheet 3 of 6
	Ground Level (mAOD): 33.2m	Paper Size: 841mm x 297mm (Half A1)										
	Direction of View: bearing from North (0°): 175°	Enlargement Factor: TBC	Visualisation Type: Type 3	Camera Model and Sensor Format: Canon EOS 6D, FFS								
	Distance to Solar PV Site: 333m	Lens Make, Model and Focal Length: Canon EF50mm f/1.8 STM		Height of Camera Lens above Ground (mAOD): 1.5m								



To be viewed at comfortable arm's length

LD&A DESIGN	Camera Location (OS Grid Reference):	505318 E 313536 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	27/01/2022 11:50	<p>This photomontage is based upon LiDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope).</p> <p>The three dimensional model of the solar farm is based on the proposed layout.</p>		<p>COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.</p>	<p>PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT</p>	<p>DRAWING TITLE Viewpoint 1 - Carlby Road Photomontage Year 1 (Right)</p>	<p>FIGURE 6.9.1</p> <p>DATE 21/04/2022</p> <p>Sheet 4 of 6</p>
	Ground Level (mAOD):	33.2m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS 6D, FFS						
	Direction of View: bearing from North (0°):	175°	Enlargement Factor:	TBC	Lens Make, Model and Focal Length:	Canon EF50mm f/1.8 STM						
	Distance to Solar PV Site:	333m	Visualisation Type:	Type 3	Height of Camera Lens above Ground (mAOD):	1.5m						





Photomontage Year 15 (Right)


To be viewed at comfortable arm's length

LDĀDESIGN		Camera Location (OS Grid Reference): Ground Level (mAOD): Direction of View: bearing from North (0°): Distance to Solar PV Site:	505318 E 313536 N 33.2m 175° 333m	Horizontal Field of View: Paper Size: Enlargement Factor: Visualisation Type:	53.5° (Planar projection) 841mm x 297mm (Half A1) TBC Type 3	Photo Date / Time: Camera Model and Sensor Format: Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD):	27/01/2022 11:50 Canon EOS 6D, FFS Canon EF50mm f/1.8 STM 1.5m	This photomontage is based upon LIDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope). The three dimensional model of the solar farm is based on the proposed layout.		<p>COPYRIGHT</p> <p>Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.</p>	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 1 - Carlby Road Photomontage Year 15 (Right) FIGURE 6.9.1	DATE 21/04/2022	Sheet 6 of 6
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Existing Photograph (Left)


To be viewed at comfortable arm's length

LDĀDESIGN	Camera Location (OS Grid Reference):	505036 E 312749 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	27/01/2022 12:55		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 2 - Essendine East - A6121 Bourne Road Existing Photograph (Left)
	Ground Level (mAOD):	21.8m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS 6D, FFS				
	Direction of View: bearing from North (0°):	110°	Enlargement Factor:	TBC	Lens Make, Model and Focal Length:	Canon EF50mm f/1.8 STM				
	Distance to Solar PV Site:	273m	Visualisation Type:	Type 1 (for context)	Height of Camera Lens above Ground (mAOD):	1.5m				
						FIGURE 6.9.2		DATE	21/04/2022	Sheet 1 of 9



Existing Photograph (Centre)


To be viewed at comfortable arm's length

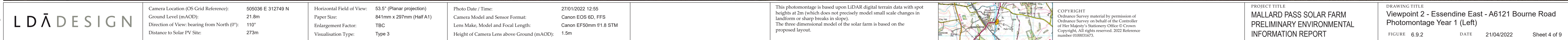
LD A DESIGN		Camera Location (OS Grid Reference): Ground Level (mAOD): Direction of View: bearing from North (0°): Distance to Solar PV Site:	505036 E 312749 N 21.8m 110° 273m	Horizontal Field of View: Paper Size: Enlargement Factor: Visualisation Type:	53.5° (Planar projection) 841mm x 297mm (Half A1) TBC Type 1 (for context)	Photo Date / Time: Camera Model and Sensor Format: Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD):	27/01/2022 12:55 Canon EOS 6D, FFS Canon EF50mm f/1.8 STM 1.5m			COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.		PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 2 - Essendine East - A6121 Bourne Road Existing Photograph (Centre) FIGURE 6.9.2	DATE 21/04/2022	Sheet 2 of 9
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Existing Photograph (Right)

To be viewed at comfortable arm's length

LDĀDESIGN	Camera Location (OS Grid Reference):	505036 E 312749 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	27/01/2022 12:55		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 2 - Essendine East - A6121 Bourne Road Existing Photograph (Right)
	Ground Level (mAOD):	21.8m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS 6D, FFS				
	Direction of View: bearing from North (0°):	110°	Enlargement Factor:	TBC	Lens Make, Model and Focal Length:	Canon EF50mm f/1.8 STM				
	Distance to Solar PV Site:	273m	Visualisation Type:	Type 1 (for context)	Height of Camera Lens above Ground (mAOD):	1.5m				





Photomontage Year 1 (Centre)


To be viewed at comfortable arm's length

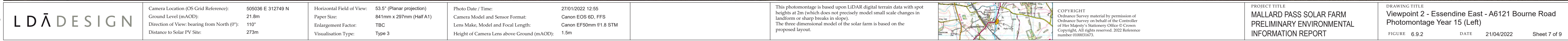
<div>LDĀDESIGN</div>		Camera Location (OS Grid Reference): Ground Level (mAOD): Direction of View: bearing from North (0°): Distance to Solar PV Site:	505036 E 312749 N 21.8m 110° 273m	Horizontal Field of View: Paper Size: Enlargement Factor: Visualisation Type:	53.5° (Planar projection) 841mm x 297mm (Half A1) TBC Type 3	Photo Date / Time: Camera Model and Sensor Format: Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD):	27/01/2022 12:55 Canon EOS 6D, FFS Canon EF50mm f/1.8 STM 1.5m	This photomontage is based upon LIDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope). The three dimensional model of the solar farm is based on the proposed layout.		<div>COPYRIGHT</div> <div>Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.</div>	<div>PROJECT TITLE</div> <div>MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT</div>	<div>DRAWING TITLE</div> <div>Viewpoint 2 - Essendine East - A6121 Bourne Road Photomontage Year 1 (Centre)</div>	FIGURE 6.9.2	DATE 21/04/2022	Sheet 5 of 9
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Photomontage Year 1 (Right)

To be viewed at comfortable arm's length

LD A DESIGN	Camera Location (OS Grid Reference): 505036 E 312749 N		Horizontal Field of View: 53.5° (Planar projection)	Photo Date / Time: 27/01/2022 12:55	This photomontage is based upon LIDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope). The three dimensional model of the solar farm is based on the proposed layout.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 2 - Essendine East - A6121 Bourne Road Photomontage Year 1 (Right)
	Ground Level (mAOD): 21.8m	Paper Size: 841mm x 297mm (Half A1)							
	Direction of View: bearing from North (0°): 110°	Enlargement Factor: TBC		Lens Make, Model and Focal Length: Canon EF50mm f/1.8 STM					
	Distance to Solar PV Site: 273m	Visualisation Type: Type 3		Height of Camera Lens above Ground (mAOD): 1.5m					





Photomontage Year 15 (Centre) To be viewed at comfortable arm's length

LDĀDESIGN	Camera Location (OS Grid Reference): 505036 E 312749 N		Horizontal Field of View: 53.5° (Planar projection)	Photo Date / Time: 27/01/2022 12:55	This photomontage is based upon LIDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope). The three dimensional model of the solar farm is based on the proposed layout.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 2 - Essendine East - A6121 Bourne Road Photomontage Year 15 (Centre)
	Ground Level (mAOD): 21.8m	Paper Size: 841mm x 297mm (Half A1)							
	Direction of View: bearing from North (0°): 110°	Enlargement Factor: TBC		Lens Make, Model and Focal Length: Canon EF50mm f/1.8 STM					
	Distance to Solar PV Site: 273m	Visualisation Type: Type 3		Height of Camera Lens above Ground (mAOD): 1.5m					



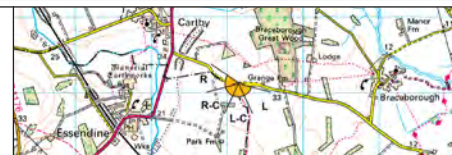
Photomontage Year 15 (Right)

To be viewed at comfortable arm's length

LD A DESIGN	Camera Location (OS Grid Reference): 505036 E 312749 N		Horizontal Field of View: 53.5° (Planar projection)	Photo Date / Time: 27/01/2022 12:55	This photomontage is based upon LiDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope). The three dimensional model of the solar farm is based on the proposed layout.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 2 - Essendine East - A6121 Bourne Road Photomontage Year 15 (Right)
	Ground Level (mAOD): 21.8m								
	Direction of View: bearing from North (0°): 110°								
	Distance to Solar PV Site: 273m								
		Paper Size: 841mm x 297mm (Half A1)	Camera Model and Sensor Format: Canon EOS 6D, FFS						
		Enlargement Factor: TBC	Lens Make, Model and Focal Length: Canon EF50mm f/1.8 STM						
		Visualisation Type: Type 3	Height of Camera Lens above Ground (mAOD): 1.5m						




To be viewed at comfortable arm's length





Existing Photograph (Left-Centre)

To be viewed at comfortable arm's length

LD&A DESIGN	Camera Location (OS Grid Reference): 506147 E 313124 N		Horizontal Field of View: 53.5° (Planar projection)	Photo Date / Time: 27/01/2022 13:15		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2022 Reference number 0100031673.	PROJECT TITLE MALLARD PASS SOLAR FARM PRELIMINARY ENVIRONMENTAL INFORMATION REPORT	DRAWING TITLE Viewpoint 4 - Carlby Road junction with Bridleway BrAW/1/1 Existing Photograph (Left-Centre)
	Ground Level (mAOD): 35.5m		Paper Size: 841mm x 297mm (Half A1)	Camera Model and Sensor Format: Canon EOS 6D, FFS				
	Direction of View: bearing from North (0°): 205°		Enlargement Factor: TBC	Lens Make, Model and Focal Length: Canon EF50mm f/1.8 STM				
	Distance to Solar PV Site: 313m		Visualisation Type: Type 1 (for context)	Height of Camera Lens above Ground (mAOD): 1.5m				

