

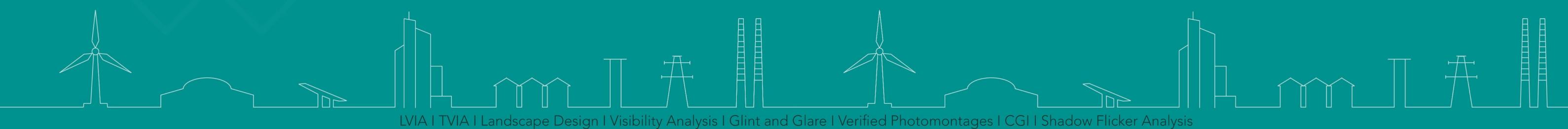
# macroworks

# LVIAPHOTOMONTAGES

Appendix 15.1

This book contains imagery for the iewpoints chosen for the LVIA study

April 2025





# **VIEWPOINT INDEX**



#### VP1: View from Stocking Wood park at Woodtown (approximately 156m) (a + b\*)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage
- 90° Baseline Photography
- 90° Outline View

#### VP2: View from local road (Abbots Grove Park) at Ballycullen (approximately 48m)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP3: View from local road (Abbots Grove Park) at Oldcourt (approximately 45m)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage
- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP4: View from The Rock Meadow Park at Scholarstown (approximately 598m)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP5: View from Woodstown Meadow park at Ballycullen (approximately 361m)\*

- 90° Baseline Photography
- 90° Outline View

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- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage
- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP7: View from local road (Ballycullen Rd) at Oldcourt (approximately 253m)\*

- 90° Baseline Photography
- 90° Outline View

#### VP8: View from local road (Stocking Wood Dr) at Woodtown (approximately 50m)(a + b\*)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage 90° Baseline Photography
- 90° Outline View

#### VP9: View from R113 at Motorway (M50) Overhead Bridge (approximately 800m)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP10: View from R115 at Newtown (approximately 255m)\*

- 90° Baseline Photography
- 90° Outline View

#### VP11: View from local road (Woodstow, Rise) at Ballycullen (approximately 375m)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP12: View from 'Forest Loop' trail, Hell Fire Club & Marsy's Estate (approximately 1.5km)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP13: View from local road (White Pines Park) at Woodtown (appreximately 28m)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

#### VP14: View from local road (Stocking Wood Rise) at Woodtown (approximately 83m) 1 +

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage
- 90° Baseline Photography 90° Outline View
- 90° Photomontage

#### VP15: View from local road (Abbot's grove Avenue) at Ballycullen (approximately 48m) (a + b)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage
- 90° Baseline Photography
- 90° Outline View

#### VP16: View from R115 at Woodtown (approximately 565m)\*

- 90° Baseline Photography
- 90° Outline View

#### VP17: View from Stocking Avenue roundabout at Ballycullen (approximately 119m) (a + b)

- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage
- 90° Baseline Photography
- 90° Outline View
- 90° Photomontage

\*Please Note: There is no Photomontage from this viewpoint as the proposed development is completely screened by existing vegetation and/or terrain



# **MACRO WORKS METHOD STATEMENT - Verified View Photomontage Production**



### Introduction

There is no industry-standard definition of what constitutes a 'verified photomontage', and it has been applied in two different ways, namely in terms of image size/scaling, and the accuracy of the camera location. Both are essentially concerned with the ability to audit the accuracy of the visual material.

The Landscape Institute Technical Guidance Note 06/19 – Visual representation of development proposals (TGN 06/19) states that:

"Visualisations should provide the viewer with a fair representation of what would be likely to be seen if the proposed development is implemented and should portray the proposal in scale with its surroundings. In the context of landscape/townscape and visual impact assessment, it is crucial that visualisations are objective and sufficiently accurate for the task in hand. In short, visualisation should be fit for purpose."

Macro Works has produced the Verified View Montages (VVM) included in this document in accordance with TGN 06/19, guidance which is broadly consistent with Scottish Natural Heritage (now NatureScot) 'Visual Representation of Wind Farms' 2017. This guidance advocates a proportionate approach and appropriate levels of accuracy to the production of visual material.

In the context that the visual material is to accompany a planning application, Macro Works has followed a highly accurate and verifiable process to accurately communicate the scale, appearance, context, form, and extent of development, and ensure that the visual material is accurate, objective, and unbiased. The VVM are considered consistent with Type 4 in the guidance.

The photography was captured during good weather conditions with high levels of visibility. Photography has been taken to a very high standard in accordance with the guidance, and locational information is captured with a high degree of accuracy with regard to location and elevation.

The locations of the visualisations have been identified through the Landscape/Townscape and Visual Impact Assessment (LVIA or TVIA) process, and produced from 3D model information received from project architects/engineers.

This methodology has been prepared by Macro Works to explain the production of the VVM, ensuring the process is transparent and auditable.

Photography and GPS/GNSS Data

At the agreed locations, high-quality photography is captured in RAW format using either a Canon 5D Mark II or Canon 6D Mark II Full Frame Sensor camera. A Manfrotto tripod and panoramic head and leveller are used to ensure the photography is taken level and at consistent angles to ensure consistent overlapping.

Viewpoint locations are captured by inhouse trained personnel using a survey-grade GNSS unit and made compatible with the GIS referenced drawings of the proposed development. Where deemed necessary, the camera location is paint-marked and photographed and subsequently surveyed by a qualified topographical surveyor. In these circumstances, surveyors are given the photograph locations, together with marked-up photography that shows elements in the view (parapet heights, kerbing, lamp posts, etc.) that are to be surveyed as control points for model alignment within the panorama.

TGN 06/19 advocates the use of a 50mm prime lens as the industry standard, and this is the default approach adopted. In urban contexts, where a 50mm lens cannot fully capture the proposed development, the guidance accepts the use of alternative fixed-length prime lenses (Appendix 11, P.28). This approach is adopted dependent on the proximity of the development.

Following the site visit, RAW images are processed via Adobe Lightroom and panoramas are stitched and generated using the recommended industry standard software, PTGui Pro.

# **Post Production and Formatting**

Post-production, the rendered image is taken into Adobe Photoshop where it is 'masked' into the existing captured panorama. This essentially involves ensuring that anything in the foreground of the proposals is brought in front of the rendered image.

Adjustments are made as required to ensure that the lighting, reflections, and material characteristics of each render are accurate to the time and date of the photography and that the images meet GDPR standards (via blurring faces and car registrations, etc.).

Proposed mitigation is added where indicated via a Landscape Mitigation Plan.

Each VVM is subject to a thorough review and approval process which includes discussions with project engineers and architects to ensure it accurately reflects the architectural proposals.

The proposed development is accurately modelled into a 3D environment in GIS mapping software and 3D Max 2023 using a combination of data sources (REVIT files, AutoCAD drawings, DTM/DSM data etc.) received con the project architects and engineers.

Virtual 3D came as are positioned according to the survey coordinates, and the focal length is set to match the captured postography.

For rural projects, the visualisation preparation methodology recommended in the Scottish Natural Heritage 2017 'Visual Representation of Wind Farms' is strictly followed. This involves the creation of 360° wirelines using GIS software, which perfectly match the generated panoramas and 3DS Max renders for each viewpoint. This allows for the development to be accurately placed within the captured photography.

For urban projects, camera matching or photographic alignment is a method by which a combination of data is used to produce an accurate camera match for each view. Virtual 3D cameras are positioned and the captured photography is then placed into the background of the 3DS Max Viewpoint. The surveyed information is then placed to the existing buildings in the photography.

Where appropriate, colour palettes and material references provided by the wider design team are applied to the model to provide a real-world representation. To ensure a high degree of accuracy, renders of the development are generated from 3DS Max 2023 with identical image characteristics to that of the baseline photography, including reference to the date and time of capture.

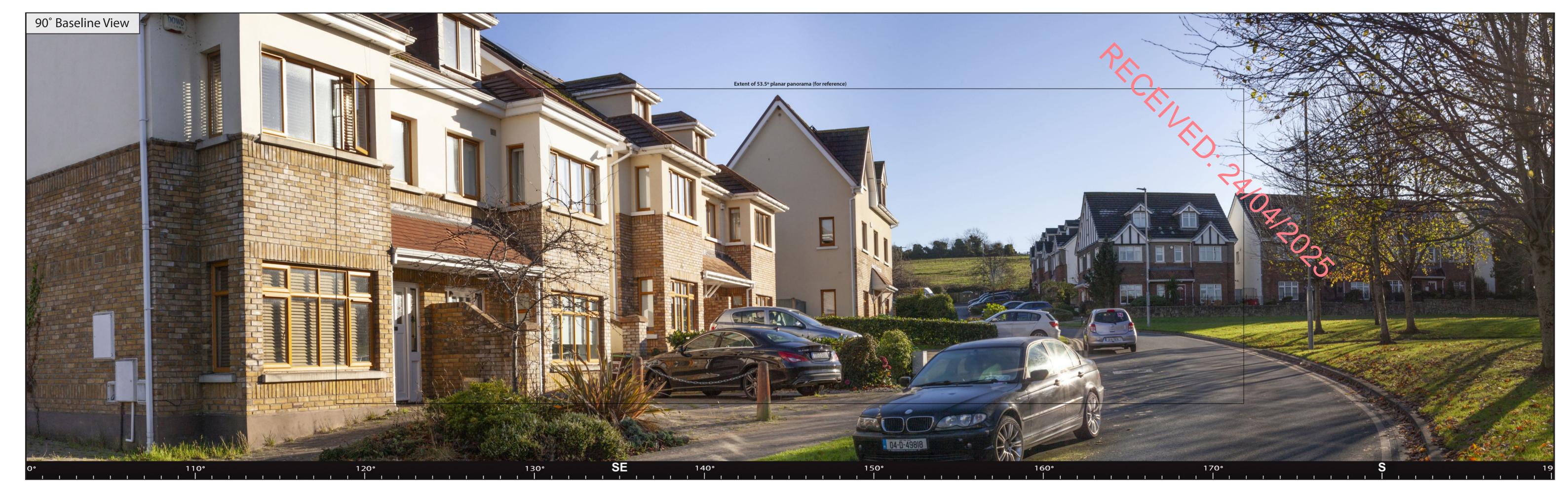
## **Image Presentation**

The objective of Type 4 visualisation is to present a printed image which gives a realistic impression of scale and detail.

VVMs are presented in accordance with the TGN 06/19 guidance, and final views are formatted into a booklet using Adobe InDesign, with all accompanying information relating to the photography, modelling, topography, post-production and viewpoints included.

For each viewpoint location, a 90° Horizontal Field of View (HFoV) cylindrical baseline photograph is provided to allow a 96% enlargement contextual reference. Image enlargement of 150% is recommended in the guidance (where feasible) to allow for binocular image scaling when printed, which results in an image with a 53.5° HFoV. Where this is not feasible because of proximity, or infrastructure occupying a wide field of view well beyond 53.5° that would necessitate splitting the view across multiple images, 90° HFoV cylindrical images are presented to avoid confusion for the viewer. A bounding box illustrates the extent of a 53.5° image where this is the case.

This document contains a site location map with VVM locations plotted, and all reference information, including photography, modelling, topographic, post-production, formatting, viewpoint and viewing instructions.



Viewpoint Ref: VP1a View from Stocking Wood park at Woodtown (approximately 156m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM):
Northing (ITM):
Direction of View:
Distance to Site:
Elevation:

712184 Horizontal Field of View: 90° (cylindrical projection)
725991 Principal Distance: 522 mm
145 ° Paper size: 841 x 297 mm
144.3 km Correct printed image size: 820 x 251 mm
99.5 m Finlargement Factor: 96%

Date and Time: Camera: Lens: Panoramic Head: Camera Height:

20/11/2024 13:27
Canon 5D Mark II Digital SLR
Canon Fixed 50mm Full Frame Sensor
: Manfrotto Pano Head/Leveller

1.7m (AGL)

7 Photography Software:
R Panorama Stitching Software:
pr Post-Production Software:
Formatting Software:

re: Adobe L Software: Adobe P ware: Adobe Illustrator

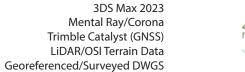
e Lightroom Modelling S PTGui Pro Rendering S Photoshop GNSS Unit: or/InDesign Topographi

ling Software:
ring Software:

Unit:

Trimble C
raphical Data:

LiDAR/C





Viewpoint Ref: VP1a View from Stocking Wood park at Woodtown (approximately 156m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM):
Northing (ITM):
Direction of View:
Distance to Site:
Elevation:

712184 725991 145 ° 144.3 km 99.5 m

Horizontal Field of View: 90° (cylindrical projection)
Principal Distance: 522 mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 251 mm
Enlargement Factor: 96%

Date and Time: Camera: Lens: Panoramic Head: Camera Height:

20/11/2024 13:27 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor : Manfrotto Pano Head/Leveller 1.7m (AGL) Photography Software: Panorama Stitching Software: Post-Production Software: Formatting Software:

Adobe Lightroom tware: PTGui Pro are: Adobe Photoshop Adobe Illustrator/InDesign

e Lightroom Modellin PTGui Pro Renderir Photoshop GNSS Un or/InDesign Topogra

Modelling Software: Rendering Software: GNSS Unit: Topographical Data:





Viewpoint Ref: VP1a View from Stocking Wood park at Woodtown (approximately 156m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Northing (ITM): Direction of View: Distance to Site: Elevation:

Horizontal Field of View: 90° (cylindrical projection) Principal Distance: 144.3 km

Date and Time:

Camera Height:

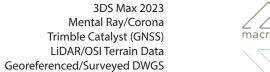
20/11/2024 13:27 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor

1.7m (AGL)

Photography Software: Panorama Stitching Software:

PTGui Pro

Rendering Software: Trimble Catalyst (GNSS) LiDAR/OSI Terrain Data





Viewpoint Ref: VP1b View from Stocking Wood park at Woodtown (approximately 156m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Northing (ITM): Direction of View: Distance to Site: Elevation:

Horizontal Field of View: 90° (cylindrical projection) Principal Distance: 144.3 km

841 x 297 mm

820 x 251 mm

Date and Time:

Camera Height:

20/11/2024 13:27 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor

1.7m (AGL)

Photography Software: Panorama Stitching Software: Post-Production Software:

Adobe Photoshop





Viewpoint Ref: VP1b View from Stocking Wood park at Woodtown (approximately 156m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Northing (ITM): Direction of View: Distance to Site: Elevation:

725991 144.3 km

Horizontal Field of View: 90° (cylindrical projection) Principal Distance: 841 x 297 mm 820 x 251 mm

Date and Time: Camera: Panoramic Head:

Camera Height:

20/11/2024 13:27 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller

1.7m (AGL)

Photography Software: Panorama Stitching Software: Post-Production Software: Formatting Software:

PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign

Rendering Software: Topographical Data:



Viewpoint Ref: VP2 View from local road (Abbots Grove Park) at Ballycullen (approximately 48m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM): Northing (ITM): Direction of View: Distance to Site: Elevation: 711632 725695 79 ° 38.4 km 108.9 m

Horizontal Field of View: 90° (cylindrical projection)
Principal Distance: 522 mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 251 mm
Enlargement Factor: 96%

Date and Time:
Camera:
Lens: Can
Panoramic Head:

Camera Height:

20/11/2024 12:29 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller

1.7m (AGL)

Photography Software:
Panorama Stitching Software:
Post-Production Software:
Formatting Software:

Adobe Lightroom Ire: PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign

Modelling Software:
Rendering Software:
GNSS Unit:
Topographical Data:
GPS Ref:

ng Software: 3DS Max 2023
ing Software: Mental Ray/Corona
nit: Trimble Catalyst (GNSS)
aphical Data: LiDAR/OSI Terrain Data
f: Georeferenced/Surveyed DWGS





View from local road (Abbots Grove Park) at Ballycullen (approximately 48m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM): Northing (ITM): Direction of View: Distance to Site: Elevation:

725695 38.4 km

Horizontal Field of View: 90° (cylindrical projection) Principal Distance: 841 x 297 mm Paper size: 820 x 251 mm Correct printed image size: Enlargement Factor:

Date and Time: Camera: Panoramic Head:

Camera Height:

20/11/2024 12:29 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller

1.7m (AGL)

Photography Software: Panorama Stitching Software: Post-Production Software: Formatting Software:

Adobe Lightroom PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign

Modelling Software: Rendering Software: **GNSS Unit:** Topographical Data: GPS Ref:



Viewpoint Ref: VP2 View from local road (Abbots Grove Park) at Ballycullen (approximately 48m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM):
Northing (ITM):
Direction of View:
Distance to Site:
Elevation:

711632 725695 79 ° 38.4 km 108.9 m

Horizontal Field of View: 90° (cylindrical projection)
Principal Distance: 522 mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 251 mm
Enlargement Factor: 96%

Date and Time: Camera: Lens: Panoramic Head:

Camera Height:

20/11/2024 12:29 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller 1.7m (AGL)

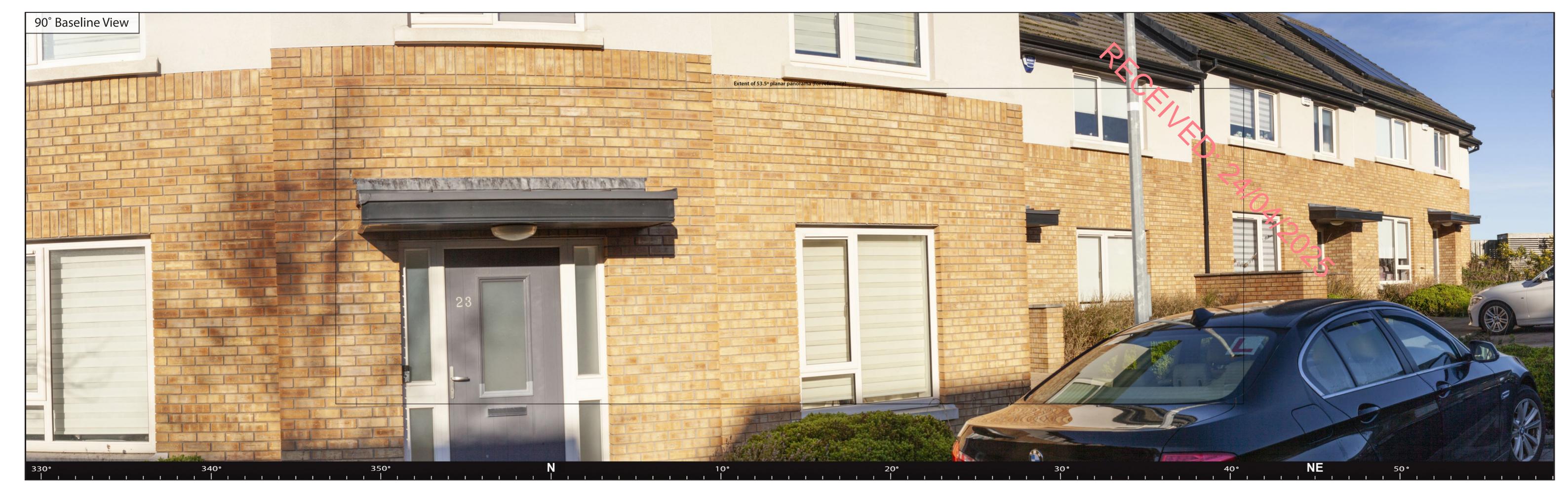
Photography Software:
Panorama Stitching Software:
Post-Production Software:
Formatting Software:

Adobe Lightroom are: PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign

om Modelling S Pro Rendering S nop GNSS Unit: ign Topographic GPS Ref:

Modelling Software:
Rendering Software:
GNSS Unit:
Topographical Data:





Viewpoint Ref: VP3a View from local road (Abbots Grove Park) at Oldcourt (approximately 45m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM):
Northing (ITM):
Direction of View:
Distance to Site:
Elevation:

711681 725620 14 ° 38.4 km

Horizontal Field of View: 90° (cylindrical projection)
Principal Distance: 522 mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 251 mm
Enlargement Factor: 96%

Date and Time:
Camera:
Lens:
Canon
Panoramic Head:
Camera Height:

20/11/2024 12:41 Photog
Canon 5D Mark II Digital SLR Panoral
Canon Fixed 50mm Full Frame Sensor Post-Pre
Manfrotto Pano Head/Leveller Format

1.7m (AGL)

Photography Software:
Panorama Stitching Software:
Post-Production Software:
Formatting Software:
Adobe II

Adobe Lightroom ire: PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign Modelling Software: Rendering Software: GNSS Unit: Topographical Data: GPS Ref:





View from local road (Abbots Grove Park) at Oldcourt (approximately 45m)

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Easting (ITM): Northing (ITM): Direction of View: Distance to Site: Elevation:

725620 38.4 km

Horizontal Field of View: 90° (cylindrical projection) Principal Distance: 841 x 297 mm Paper size: 820 x 251 mm Correct printed image size: **Enlargement Factor:** 

Date and Time: Camera: Panoramic Head: Camera Height:

96%

20/11/2024 12:41 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller 1.7m (AGL)

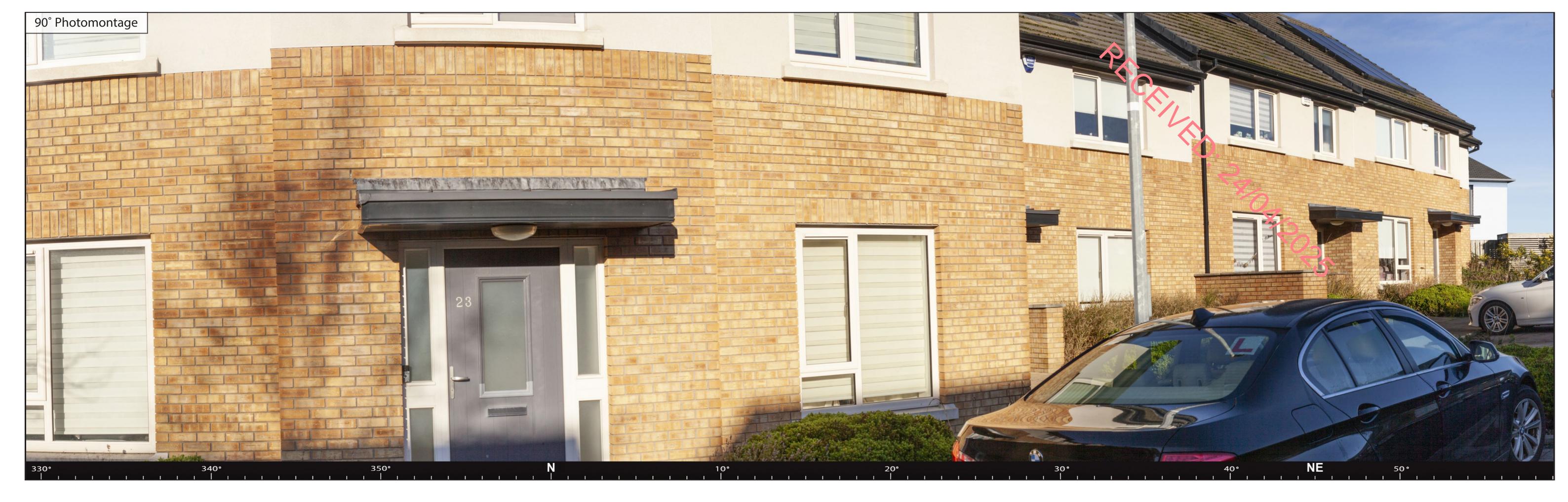
Photography Software: Panorama Stitching Software: Post-Production Software: Formatting Software:

Adobe Illustrator/InDesign

Adobe Lightroom PTGui Pro Adobe Photoshop

Modelling Software: Rendering Software: **GNSS Unit:** Topographical Data: GPS Ref:





Viewpoint Ref: VP3a View from local road (Abbots Grove Park) at Oldcourt (approximately 45m)

Easting (ITM):
Northing (ITM):
Direction of View:
Distance to Site:
Elevation:

711681 725620 14 ° 38.4 km 116.1 m

Horizontal Field of View: 90° (cylindrical projection)
Principal Distance: 522 mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 251 mm
Enlargement Factor: 96%

Date and Time:
Camera:
Lens:
Panoramic Head:
Camera Height:

20/11/2024 12:41 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller

1.7m (AGL)

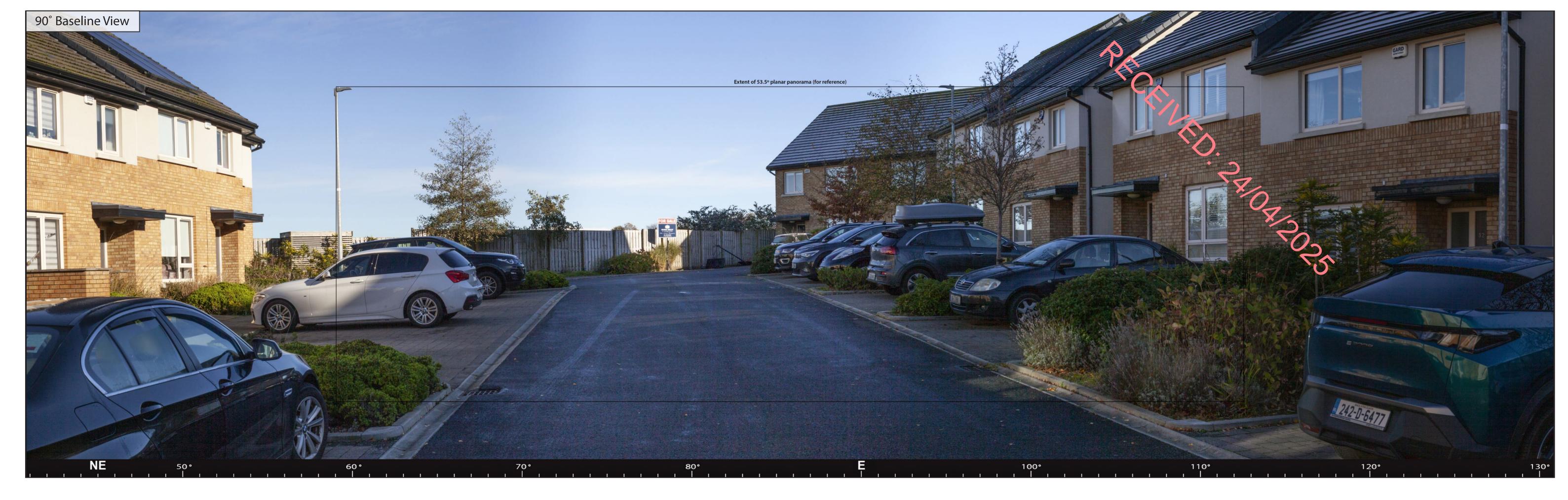
Photography Software:
Panorama Stitching Software:
Post-Production Software:
Formatting Software:

Adobe Lightroom tware: PTGui Pro ire: Adobe Photoshop Adobe Illustrator/InDesign

Modelling Software:
Rendering Software:
GNSS Unit:
Topographical Data:
GPS Ref:

ng Software: 3DS Max 2023
ing Software: Mental Ray/Corona
nit: Trimble Catalyst (GNSS)
aphical Data: LiDAR/OSI Terrain Data
f: Georeferenced/Surveyed DWGS





View from local road (Abbots Grove Park) at Oldcourt (approximately 45m)

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Easting (ITM): Northing (ITM): Direction of View: Distance to Site: Elevation:

725620 38.4 km

Horizontal Field of View: 90° (cylindrical projection) Principal Distance: 841 x 297 mm 820 x 251 mm Correct printed image size:

Date and Time: Camera Height:

20/11/2024 12:41 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller

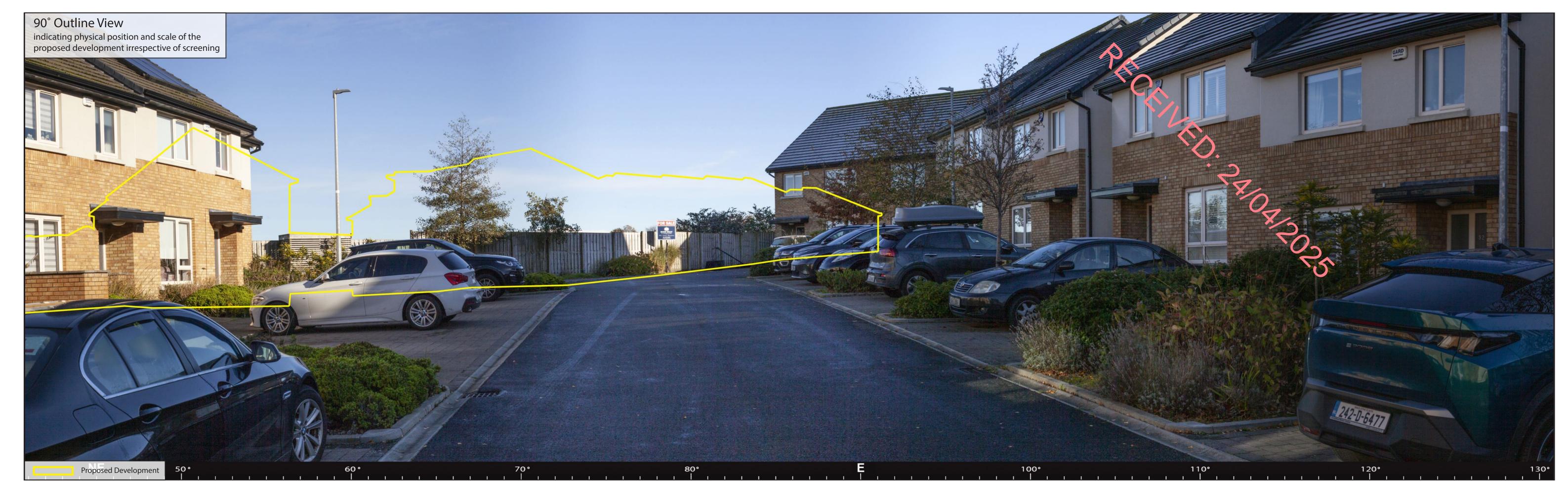
1.7m (AGL)

Photography Software: Panorama Stitching Software: Post-Production Software:

Adobe Lightroom PTGui Pro Adobe Photoshop

Modelling Software: Rendering Software: **GNSS Unit:** Topographical Data: GPS Ref:





Viewpoint Ref: VP3b View from local road (Abbots Grove Park) at Oldcourt (approximately 45m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM): Northing (ITM): Direction of View: Distance to Site: Elevation: 711681 725620 86 ° 38.4 km 116.1 m

Horizontal Field of View: 90° (cylindrical projection)
Principal Distance: 522 mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 251 mm
Enlargement Factor: 96%

Date and Time: Camera: Lens: Cano Panoramic Head:

Camera Height:

20/11/2024 12:41 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller 1.7m (AGL)

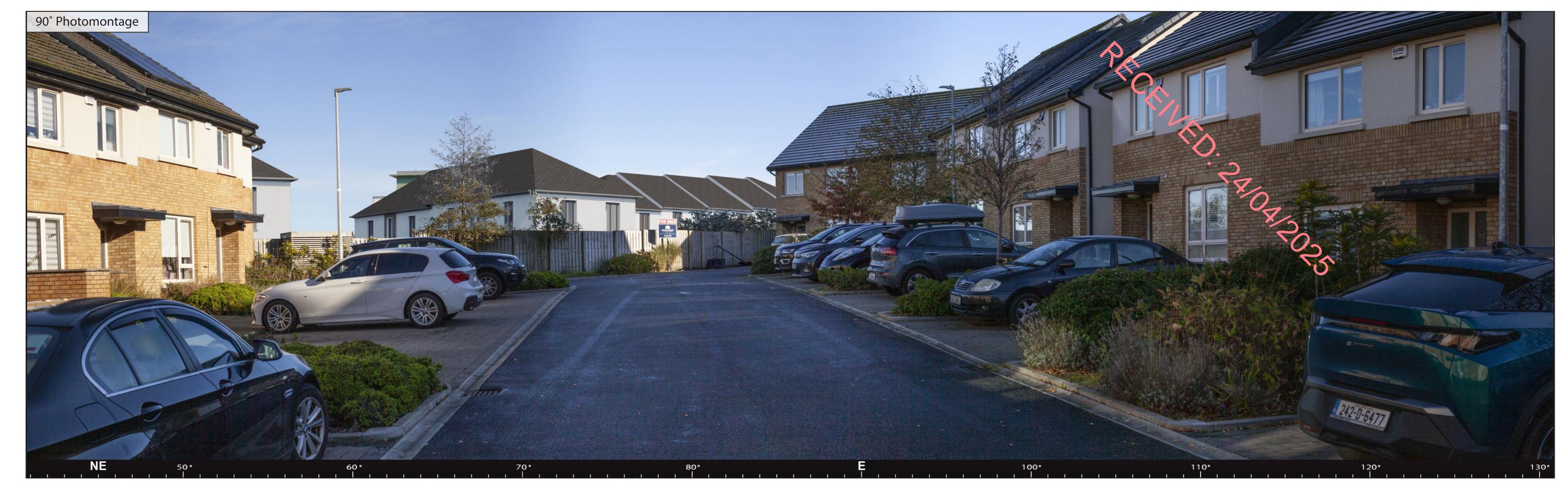
Photography Software:
Panorama Stitching Software:
Post-Production Software:
Formatting Software:

Adobe Lightroom are: PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign

Modelling Software:
Rendering Software:
GNSS Unit:
Topographical Data:
GPS Ref:

ing Software: 3DS Max 2023
ing Software: Mental Ray/Corona
Init: Trimble Catalyst (GNSS)
aphical Data: LiDAR/OSI Terrain Data
f: Georeferenced/Surveyed DWGS





Viewpoint Ref: VP3b View from local road (Abbots Grove Park) at Oldcourt (approximately 45m)

Visualisation Type 4 - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (ITM): Northing (ITM): Direction of View: Distance to Site: Elevation: 711681 725620 86 ° 38.4 km

711681 Horizontal Field of View: 90° (cylindrical projection)
725620 Principal Distance: 522 mm
86° Paper size: 841 x 297 mm
38.4 km Correct printed image size: 820 x 251 mm
116.1 m Enlargement Factor: 96%

Date and Time:
Camera: Can
Lens: Canon Fixed
Panoramic Head: Mani

Camera Height:

20/11/2024 12:41 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller

1.7m (AGL)

Photography Software: Address Panorama Stitching Software: Post-Production Software: Address Illust

Adobe Lightroom PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign Modelling Software: Rendering Software: GNSS Unit: Topographical Data: GPS Ref:

