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APPENDIX 13-2

PHOTOMONTAGE BOOKLET

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Kingston Stables Knocknacarra
Proposed Large Scale Residential Development
Appendix 13-2 – Photomontage Booklet

PHOTOMONTAGE OVERVIEW

Photomontages are photorealistic visualisations that superimpose an image of a proposed development upon a photograph or series of photographs. They are intended as graphical representations of how a proposed development will appear in the existing landscape and are used as a tool to inform Landscape and Visual Impact Assessment (LVIA).

This photomontage booklet contains verified photomontages captured and produced by MKO. The verified photomontages are classified as Type 4 Visualisations in the Landscape Institute Technical Guidance Note 06/19 (Landscape Institute, 2019).

The methodology below details the tools and processes used to produce Type 4 photomontages. Photomontages require the use of equipment and processes which provide quantifiable verification data, such that they may be checked for accuracy (as per industry-standard 'AVRs' or 'Verified Views'). Precise survey of features and viewpoint/ camera locations. Type 4 visualisations are generally reproduced with scale representation and represent the highest level of accuracy and verifiability.



METHODOLOGY

PHOTOGRAPHY & GNSS GPS SURVEY

Photographic imagery was captured from viewpoint locations using a Full Frame Sensor (FFS) camera with a 50mm focal length prime lens to minimise image distortion. This approach ensures that the photomontages are survey and scale verifiable, reliable, and meet industry standards for visual accuracy.

The camera was mounted on a tripod at an above ground height of approximately 1.5 metres. In line with guidance, the tripod and camera height can be raised above this height by up to 20cm to 1.7 metres (a worse-case scenario) to ensure an unobstructed shot of the landscape if this is required due to interference in the foreground.

Control points within the visible landscape are surveyed using a Trimble DA2 GNSS receiver for the GNSS positioning service. GPS coordinates are recorded for the exact location and position of the tripod mounted camera lens (viewpoint location). Coordinates of each viewpoint location are recorded for each viewpoint in the Photomontage Booklet.

3D MODELLING & RENDERING

A 3D digital model of the Proposed Development was created using 3D modelling software. The scaled digital model is built using the drawings and specifications supplied by the developer. The 3D architectural model is then integrated into a high-resolution topographical model (from the DSM data at 25cm accuracy) together with the viewpoint capture locations in the 3D modelling software.

The model of the proposal is positioned relative to the virtual camera location for photo-matching relative of perspective and scale. 3D models are then rendered into the photographic imagery to show the Proposed Development as a realistic match in terms of perspective, lighting, and scale.

A rendering is applied to the imagery that best represents the proposed materials from which the proposed development will comprise in the light conditions when the photomontage was captured.

LAYOUT & PRESENTATION

The photomontages are presented at a 39.6° field of view, along with viewpoints which illustrate a 73.7° field of view. The 73.7° field of view due to their very close proximity to the site and ensure as much of the proposed development is included in the photomontage and provide adequate context for the impact assessment..
For scale on A3 paper, best practice guidance recommends presentation of photomontages at 39.6°. The viewpoint's coordinates, the time and date of capture, as well as the camera and lens employed, are recorded. The visualisations in this booklet are presented in the following layouts:

•**Existing Wide Angle View at 73.7° horizontal (24mm lens)**: Shows the baseline landscape conditions as it currently exists, with wide angle context.

•**Proposed Wide Angle View at 73.7° horizontal (24mm lens)**: Shows a scaled verified render of the Proposed Development within the current landscape with wide angle context.
VP04 - ONLY Cumulative Proposed Wide Angle View at 73.7° horizontal (24mm lens): Shows a block model of the Potential Future Proposed Residential Development of the Proposed Project (LRD East).

•**Existing View at 39.6° horizontal (50mm lens)**: Shows the baseline landscape conditions as it currently exists, with a focused view.

•**Proposed View at 39.6° horizontal (50mm lens)**: Shows a verified render of the Proposed Development within the current landscape with a focused view.
VP04 - ONLY Cumulative Proposed View at 39.6° horizontal (50mm lens): Shows a block model of the Potential Future Proposed Residential Development of the Proposed Project (LRD East).


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VP01
VP02
VP03
VP04
VP05
Western Distributor Rd
Gort Siar
ChillZo Portall
Insomnia Coffee Company Knocknacarra
An Logán
Carraig de Brún
Manor Cl
The Orchard
Altán
Altán Apartments
Teddy House Childcare
Apartment
Clybaun Massage Clinic
Doire Gheal
Whizz Shuttles
Clybaun Stores
Tom Sheridan's
Chill Cats
Galway City Baptist Church
St. John the Apostle, Knocknacarra NS
Kingston Rd
Manor Dr
Kingston House
Clybaun Rd
Clybaun Ct
Kingston Gardens
R337

VP1 Existing View at 73.7°



Viewpoint 01: View east from the Doire Gheal Residential Estate across the L10111 Local Road toward the Proposed Development site.

Viewpoint Location (ITM)
X: 526361 Y: 724796

Time: 15:47
Date: 08/04/2026

Camera:
Canon 5D Mark III

VP1 Proposed View at 73.7°



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VP2 Existing View at 73.7°

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Viewpoint 02: View south-east from the unnamed L10111 Local Road, to the south of the Altan Apartments.

Viewpoint Location (ITM)
X: 526496 Y: 724838

Time: 09:06
Date: 29/08/2024

Camera:
Canon 5D Mark III

VP2 Proposed View at 73.7°

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VP2 Proposed View at 39.6°

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X: 526496 Y: 724838

Time: 09:06
Date: 29/08/2024

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Canon 5D Mark III

VP3 Existing View at 73.7°

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Viewpoint 03: View east/north-east from the northern end of Kingston Gardens Residential Estate to the west/south-west of the Proposed Development.

Viewpoint Location (ITM)
X: 526482 Y: 724577

Time: 17:13
Date: 08/04/2026

Camera:
Canon 5D Mark III

VP3 Proposed View at 73.7°



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