

Proposed Residential Development at Ballincrokig, Cork

Prepared For:

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Methodology

Photography

The photos for all the views were taken on the June 8th, 2022. Sony a7RIII camera was used for all photography. Leica GS08plus Smart Antenna was used to accurately record the viewpoint coordinates and height levels. Viewpoint locations are indicated in the viewpoint map to the right.

Modelling

Preparation of accurate 3D models of the proposed housing development including roads and other visible landmarks.

Setup

The following information is used to accurately position the model of the proposed development into the photographs:

- Site survey,
- Photographs,
- Verified viewpoint coordinates and height levels are accurately marked on the location OSi map.

To match the 3D camera view with the photograph we take the following steps:
The camera height is taken from information gathered on the levels from where the photos are taken (table below). The height levels of the proposed development are outlined on the site. Focal length is based on the photograph EXIF info.

This data is imported into our 3D software and the 3D camera is matched with the selected photographs. To match the 3D camera accurately we use all the above data and the reference 3D models. The reference 3D models are existing structures i.e. buildings, roads, lamps, etc which are visible on the photographs. These items are modelled based on the survey information. After all the above conditions are fulfilled and we are satisfied that the camera matches correctly, we proceed to the next step.

Rendering

We apply the materials and textures prior to rendering the photomontage images. Light settings are adjusted to match the brightness of the photographs and sun is positioned according to the date and time the photo was taken.

Post processing

This process means incorporating a 3D image of the proposed development into the photograph to achieve the final result.



View 1. Existing



< 50 mm 39.6°

50 mm 39.6°>

Project Name:
Ballincrokig, Cork

Viewpoint location (ITM): 568443.143,574836.181
Viewpoint Height: 74.749m

Photo Date: 08.06.2022
Photo Time: 12:02 PM
Camera: Sony a7RIII

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View 1. Proposed



Project Name:
Ballincrokig, Cork

Viewpoint location (ITM): 568443.143,574836.181
Viewpoint Height: 74.749m

Photo Date: 08.06.2022
Photo Time: 12:02 PM
Camera: Sony a7RIII

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< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Ballincrokig, Cork

Viewpoint location (ITM): 568675.581,574946.898
Viewpoint Height: 61.906m

Photo Date: 08.06.2022
Photo Time: 12:43 PM
Camera: Sony a7RIII

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< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Ballincrokig, Cork

Viewpoint location (ITM): 568675.581,574946.898
Viewpoint Height: 61.906m

Photo Date: 08.06.2022
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