

# Environmental Impact Assessment Report (EIAR)

**Volume 3.2: Appendices** 

**Chapter 10 Appendix** 

**Verified View Photomontages** 

November 2023



# **Cherry Orchard Point**

**Verified View Photomontages** 

October 2023

Document at A3 prepared by G-Net 3D

NSC Campus, Mahon, Cork

www. gnet3d.com

## Photomontage Methodology

The methodology used to develop the photomontages is based on the "Visual Representation of Development Proposals" Guidance note by the Landscape Institute, 2019.

### Photography

The photography for summertime views was carried out on the August  $4^{th}$ , 2022 and for wintertime views on the January  $31^{st}$ , 2023 using Sony  $\alpha$ 7RIII full frame camera. Two lenses 24mm and 50mm prime lens were used for the photography.

A 24mm - wide angle lens was selected for the photography to provide more information on the context around the proposed development. The horizontal field of view of these photographs is 74°. The abovementioned guidance suggests that 40° angle is the closest to human eye vision and is recommended for the verified photomontages. In the cases where the wide lens is used, there should be an indication of 40° field of view, which is shown on the bottom of all the views.

A recommended viewing distance of the photomontages taken using 50mm lens is around 500mm from eyes; and 24mm lens - 300mm from eyes when printed on A3 paper.

Geomax Zenith 60 GPS Antennae was used to accurately record the viewpoint and reference markers' coordinates and height levels. Viewpoint locations are indicated in the viewpoint map to the right, viewpoint coordinates and information on photography is under each photo.

### Modelling

We prepared an accurate 3D model of the proposed apartment development including landscape and infrastructure. We have also prepared block models of the permitted nearby developments that would be shown in the cumulative views No 1, 2, 3, 4 and 12.

### 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.



























Project Name: Cherry Orchard Point Viewpoint location (ITM): 707474.940,733060.756 Viewpoint Height: 62.887m Photography Date: 31.01.2023 Time: 14:52 Camera: Sony a7RIII







Project Name: Cherry Orchard Point

Viewpoint location (ITM): 707531.625,733200.378 Viewpoint Height: 59.897m





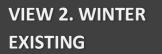


Project Name: Cherry Orchard Point

Viewpoint location (ITM): 707531.625,733200.378 Viewpoint Height: 59.897m







Project Name: Cherry Orchard Point

Viewpoint location (ITM): 707531.625,733200.378 Viewpoint Height: 59.897m

Photography Date: 31.01.2023 Time: 15:00 Camera: Sony a7RIII







Project Name: Cherry Orchard Point

Viewpoint location (ITM): 707531.625,733200.378 Viewpoint Height: 59.897m

Photography Date: 31.01.2023 Time: 15:00 Camera: Sony a7RIII







Project Name: Cherry Orchard Point Viewpoint location (ITM): 707531.625,733200.378 Viewpoint Height: 59.897m

Photography Date: 31.01.2023 Time: 15:00 Camera: Sony a7RIII













Project Name:
CHERRY ORCHARD POINT

























Project Name: CHERRY ORCHARD POINT

Viewpoint location (ITM): 708322.734,732928.663 Viewpoint Height: 53.928m







Project Name: CHERRY ORCHARD POINT













Viewpoint location (ITM): 708322.734,732928.663 Viewpoint Height: 53.928m Photography Date: 31.01.2023 Time: 12:20 Camera: Sony a7RIII







Viewpoint location (ITM): 708322.734,732928.663 Viewpoint Height: 53.928m Photography Date: 31.01.2023 Time: 12:20 Camera: Sony a7RIII





















Viewpoint location (ITM): 708169.178,732930.969 Viewpoint Height: 54.542m Photography Date: 31.01.2023 Time: 12:29 Camera: Sony a7RIII



















Viewpoint location (ITM): 708050.439,732756.811 Viewpoint Height: 60.646m Photography Date: 31.01.2023 Time: 12:43 Camera: Sony a7RIII





VIEW 6. WINTER PROPOSED

Project Name: CHERRY ORCHARD POINT Viewpoint location (ITM): 708050.439,732756.811 Viewpoint Height: 60.646m Photography Date: 31.01.2023 Time: 12:43 Camera: Sony a7RIII







Project Name: CHERRY ORCHARD POINT







Project Name: CHERRY ORCHARD POINT





Project Name:
CHERRY ORCHARD POINT





Project Name:
CHERRY ORCHARD POINT







Viewpoint location (ITM): 708578.551,732239.016 Viewpoint Height: 55.321m Photography Date: 04.08.2022 Time: 14:17 Camera: Sony a7RIII

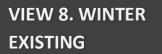












Viewpoint location (ITM): 708578.551,732239.016 Viewpoint Height: 55.321m

Photography Date: 31.01.2023 Time: 13:05 Camera: Sony a7RIII





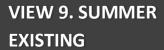


Viewpoint location (ITM): 708578.551,732239.016 Viewpoint Height: 55.321m

Photography Date: 31.01.2023 Time: 13:05 Camera: Sony a7RIII







Project Name: CHERRY ORCHARD POINT Viewpoint location (ITM): 706922.772,732628.854 Viewpoint Height: 62.565m Photography Date: 04.08.2022 Time: 14:53 Camera: Sony a7RIII

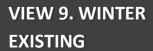












Project Name: CHERRY ORCHARD POINT Viewpoint location (ITM): 706922.772,732628.854 Viewpoint Height: 62.565m Photography Date: 31.01.2023 Time: 13:43 Camera: Sony a7RIII







Project Name: CHERRY ORCHARD POINT Viewpoint location (ITM): 706922.772,732628.854 Viewpoint Height: 62.565m Photography Date: 31.01.2023 Time: 13:43 Camera: Sony a7RIII

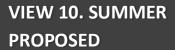
















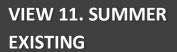








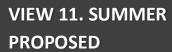




Project Name: CHERRY ORCHARD POINT



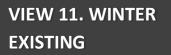




Project Name: CHERRY ORCHARD POINT





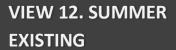






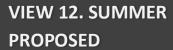






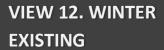










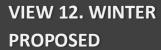


Viewpoint location (ITM): 707687.986,733167.457 Viewpoint Height: 56.962m

Photography Date: 31.01.2023 Time: 15:02 Camera: Sony a7RIII







Viewpoint location (ITM): 707687.986,733167.457 Viewpoint Height: 56.962m

Photography Date: 31.01.2023 Time: 15:02 Camera: Sony a7RIII



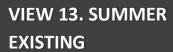




Viewpoint location (ITM): 707687.986,733167.457 Viewpoint Height: 56.962m Photography Date: 31.01.2023 Time: 15:02 Camera: Sony a7RIII







Project Name: CHERRY ORCHARD POINT







Project Name: CHERRY ORCHARD POINT







































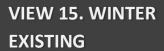




Viewpoint location (ITM): 707889.492,732918.631 Viewpoint Height: 56.068m Photography Date: 04.08.2022 Time: 12:30 Camera: Sony a7RIII







Viewpoint location (ITM): 707889.492,732918.631 Viewpoint Height: 56.068m

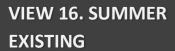
Photography Date: 31.01.2023 Time: 11:55 Camera: Sony a7RIII











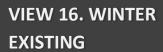












Project Name: Cherry Orchard Point







