

VERIFIED PHOTOMONTAGE VIEWS FOR
Road Improvement Scheme at Deansgrange, Dublin

Prepared For:

DBFL Consulting Engineers

Prepared By:

G-Net 3D

NSC Campus

Mahon, Cork

Tel: 021 230 7043

Email: info@gnet3d.com

Website: www.gnet3d.com



July 2022

Photomontage Methodology

Photography

The photos for the views were taken on the April 21st and April 22nd, 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 model of the proposed road improvements including changes to road and sidewalk layout, cycle lanes and lighting.

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.

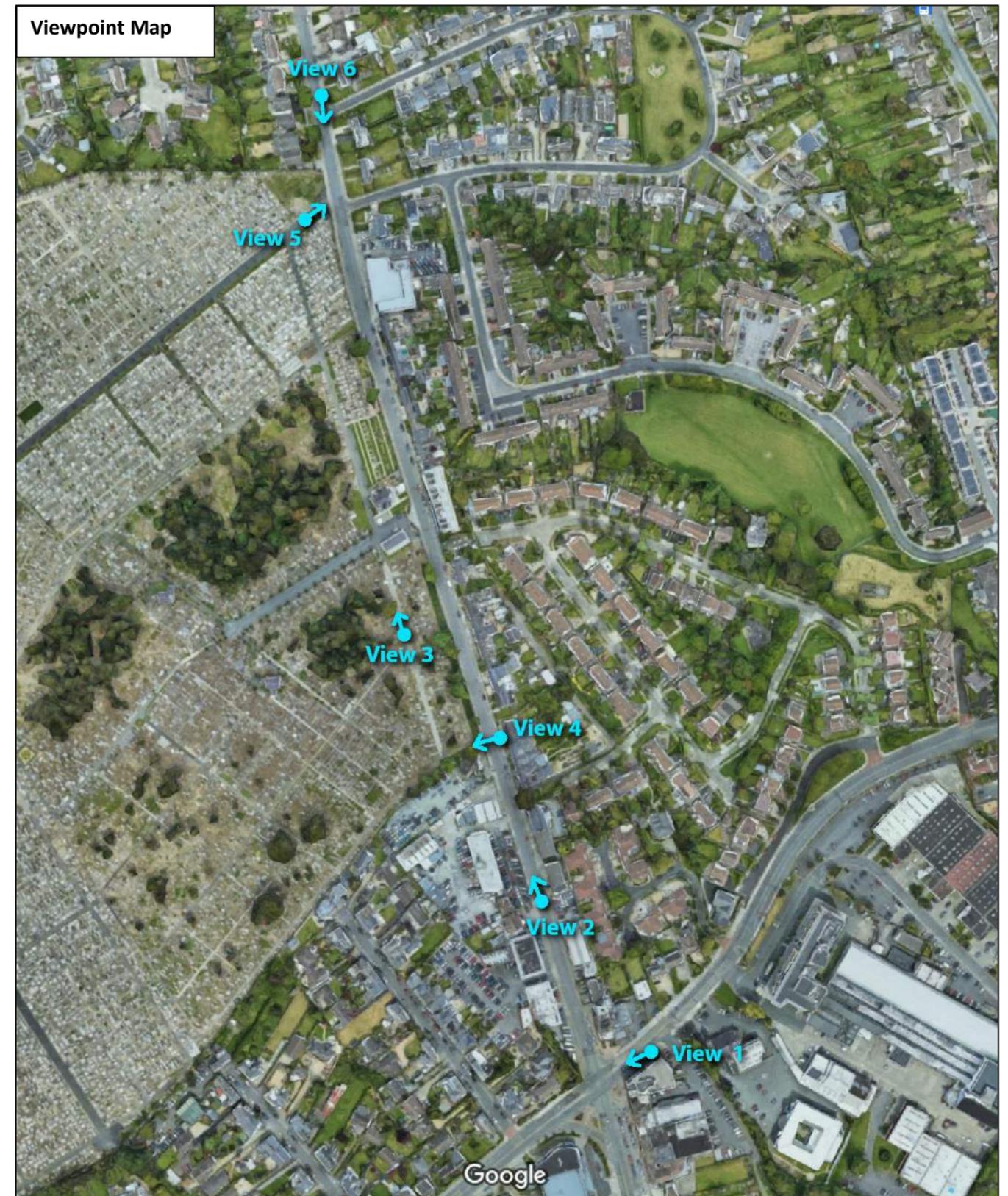
This data is imported into our 3D software and the 3D camera is matched with the selected photographs. To match the 3D camera accurately we use all the above data and the reference 3D models. The reference 3D models are existing structures i.e. buildings, roads, lamps, etc which are visible on the photographs. 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



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722491.401,726937.699
Viewpoint Height: 34.904m

Photo Date: 21.04.2022
Photo Time: 10:24
Camera: Sony a7RIII

Prepared By G-Net 3D


View 1. Proposed

This image represents the geometric layout of the street network. The location and design of street furniture such as street lighting, planting, signs, cycle markings etc. is indicative only and will be subject to detailed design and finalisation of plans.



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722491.401,726937.699
Viewpoint Height: 34.904m

Photo Date: 21.04.2022
Photo Time: 10:24
Camera: Sony a7RIII

Prepared By G-Net 3D

View 2. Existing



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722418.333,727035.831
Viewpoint Height: 34.579m

Photo Date: 21.04.2022
Photo Time: 10:33
Camera: Sony a7RIII

Prepared By G-Net 3D


View 2. Proposed

This image represents the geometric layout of the street network. The location and design of street furniture such as street lighting, planting, signs, cycle markings etc. is indicative only and will be subject to detailed design and finalisation of plans.



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722418.333,727035.831
Viewpoint Height: 34.579m

Photo Date: 21.04.2022
Photo Time: 10:33
Camera: Sony a7RIII

Prepared By G-Net 3D


View 3. Existing



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722321.867,727209.324
Viewpoint Height: 34.749m

Photo Date: 21.04.2022
Photo Time: 10:57
Camera: Sony a7RIII

Prepared By G-Net 3D


View 3. Proposed

This image represents the geometric layout of the street network. The location and design of street furniture such as street lighting, planting, signs, cycle markings etc. is indicative only and will be subject to detailed design and finalisation of plans.



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

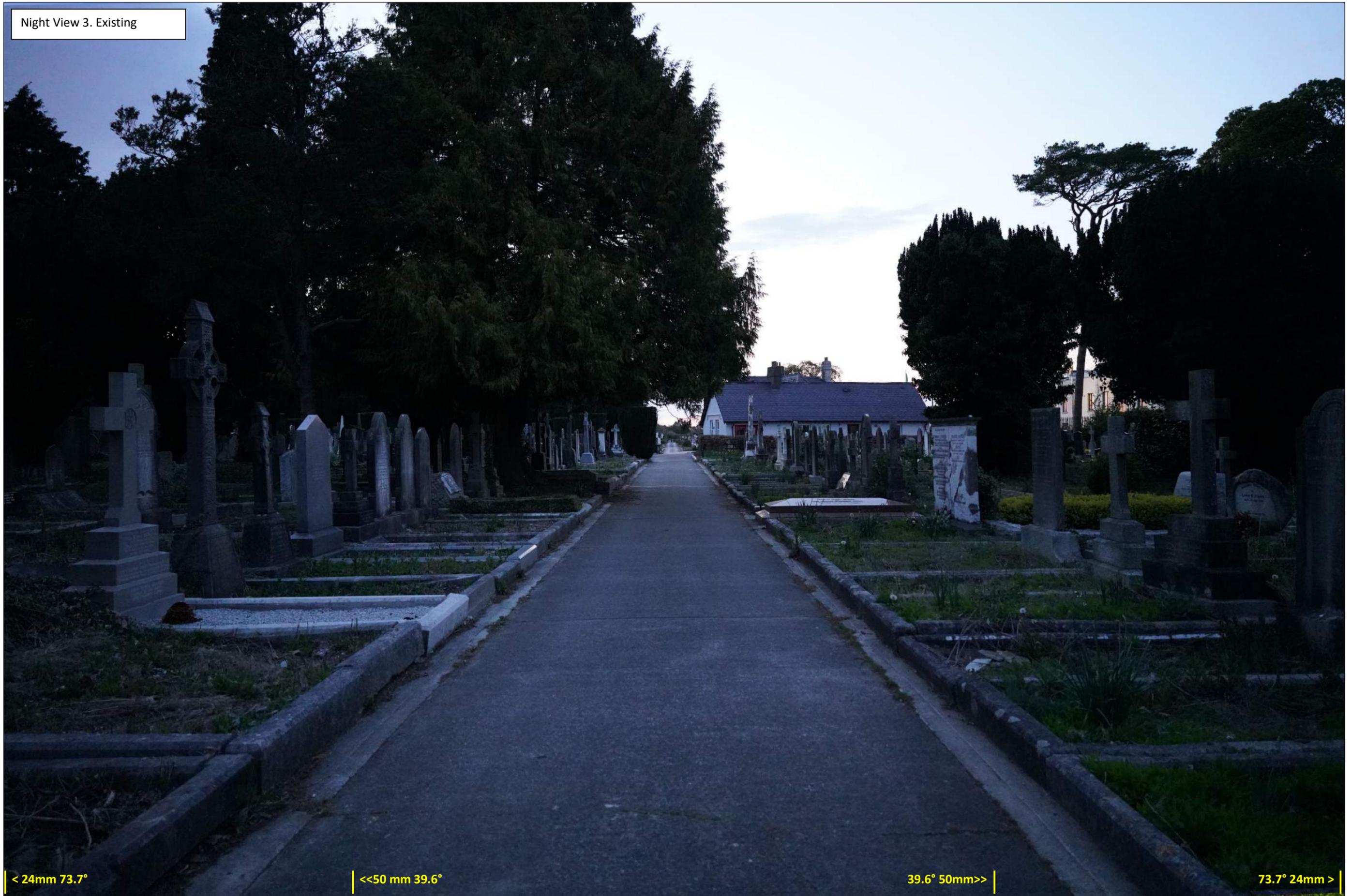
Viewpoint location (ITM): 722321.867,727209.324
Viewpoint Height: 34.749m

Photo Date: 21.04.2022
Photo Time: 10:57
Camera: Sony a7RIII

Prepared By G-Net 3D



Night View 3. Existing



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722321.867,727209.324
Viewpoint Height: 34.749m

Photo Date: 22.04.2022
Photo Time: 19:59
Camera: Sony a7RIII

Prepared By G-Net 3D



Night View 3. Proposed

This image represents the geometric layout of the street network. The location and design of street furniture such as street lighting, planting, signs, cycle markings etc. is indicative only and will be subject to detailed design and finalisation of plans.



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722321.867,727209.324
Viewpoint Height: 34.749m

Photo Date: 22.04.2022
Photo Time: 19:59
Camera: Sony a7RIII

Prepared By G-Net 3D


View 4. Existing



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722385.891,727144.012
Viewpoint Height: 34.671m

Photo Date: 22.04.2022
Photo Time: 17:34
Camera: Sony a7RIII

Prepared By G-Net 3D


View 4. Proposed

This image represents the geometric layout of the street network. The location and design of street furniture such as street lighting, planting, signs, cycle markings etc. is indicative only and will be subject to detailed design and finalisation of plans.



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

View 5. Existing



Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722245.856,727489.975
Viewpoint Height: 34.009m

Photo Date: 21.04.2022
Photo Time: 11:04
Camera: Sony a7RIII

Prepared By G-Net 3D


View 5. Proposed

This image represents the geometric layout of the street network. The location and design of street furniture such as street lighting, planting, signs, cycle markings etc. is indicative only and will be subject to detailed design and finalisation of plans.



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722245.856,727489.975
Viewpoint Height: 34.009m

Photo Date: 21.04.2022
Photo Time: 11:04
Camera: Sony a7RIII

Prepared By G-Net 3D


View 6. Existing



Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722244.581,727618.748
Viewpoint Height: 32.378m

Photo Date: 21.04.2022
Photo Time: 11:22
Camera: Sony a7RIII

Prepared By G-Net 3D


View 6. Proposed

This image represents the geometric layout of the street network. The location and design of street furniture such as street lighting, planting, signs, cycle markings etc. is indicative only and will be subject to detailed design and finalisation of plans.



< 24mm 73.7°

<<50 mm 39.6°

39.6° 50mm>>

73.7° 24mm >

Project Name:
Deansgrange, Dublin

Viewpoint location (ITM): 722244.581,727618.748
Viewpoint Height: 32.378m

Photo Date: 21.04.2022
Photo Time: 11:22
Camera: Sony a7RIII

Prepared By G-Net 3D
