



3d Modelling - Architectural Imaging

Photomontages and Positional Imagery

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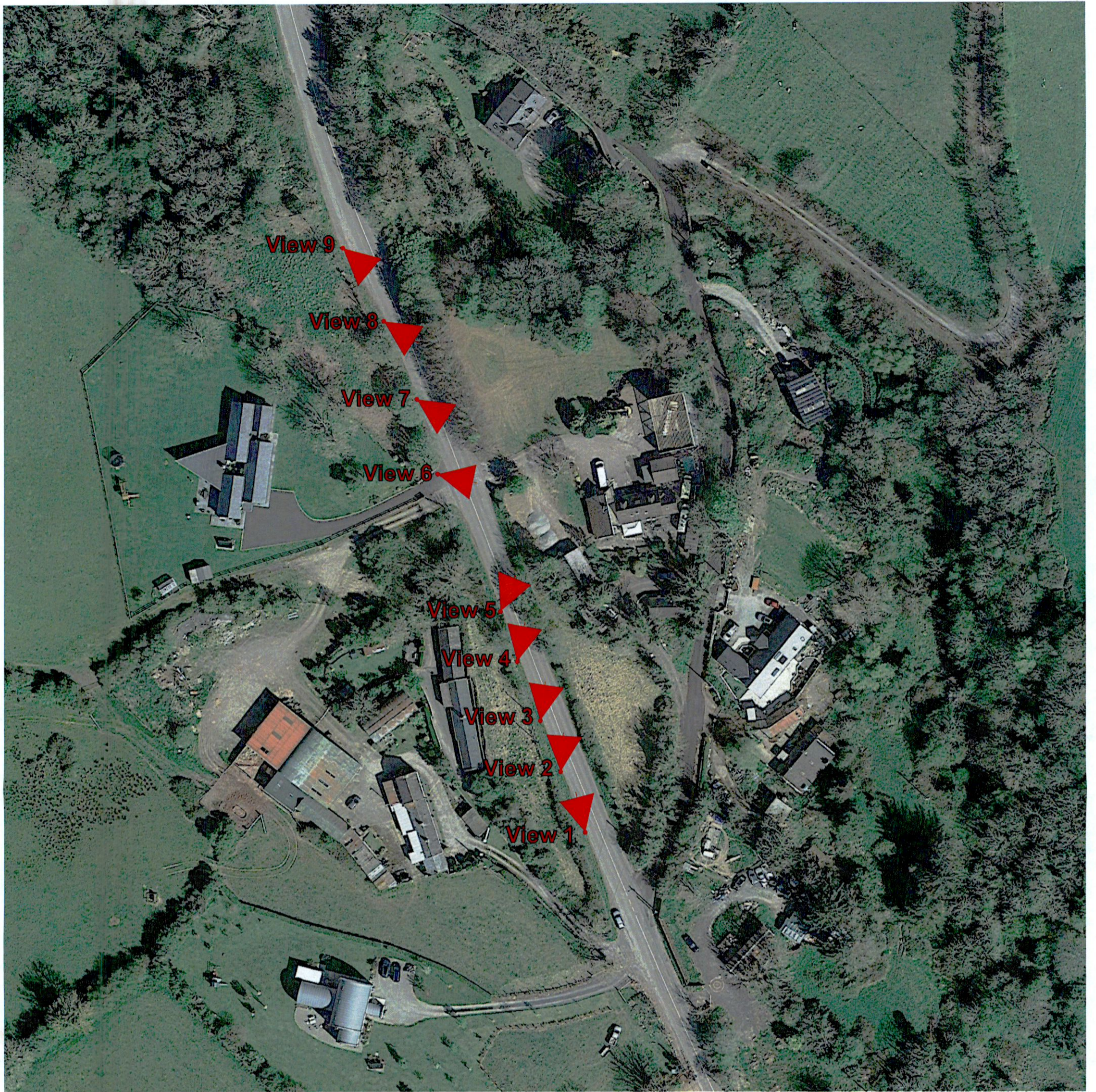


Photo Positions & Directions Map




Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 32mm, f/10, SS 1/100  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 48°  
 GPS Co-ordinates: IG East 709438, West 723308  
 Date/Time Taken: 17 January 2023 @ 2:32 pm

Project: <b>Proposed Development at          Glenside House,          Glassamucky, Dublin 24.</b>	Title: <b>View 1 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-01</b>	Client: <b>Gary McKeon</b>	
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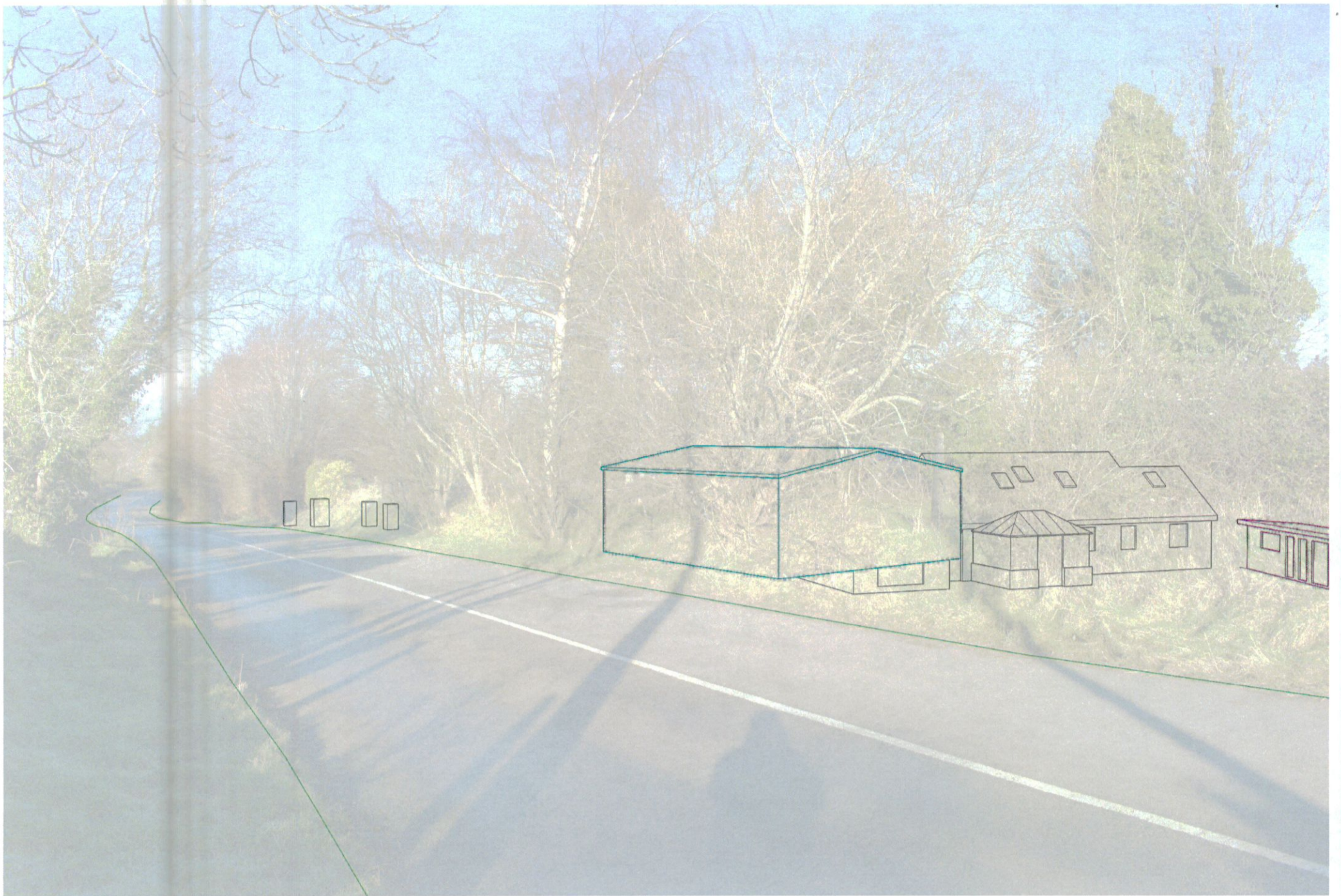
Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/100  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709430, West 723324  
 Date/Time Taken: 17 January 2023 @ 2:33 pm

Project: <b>Proposed Development at          Glenside House,          Glassamucky, Dublin 24.</b>	Title: <b>View 2 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-02</b>	Client: <b>Gary McKeon</b>	
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Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/80  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709425, West 723337  
 Date/Time Taken: 17 January 2023 @ 2:34 pm

Project: Proposed Development at Glenside House, Glassamucky, Dublin 24.	Title: <b>View 3 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-03</b>	Client: <b>Gary McKeon</b>	
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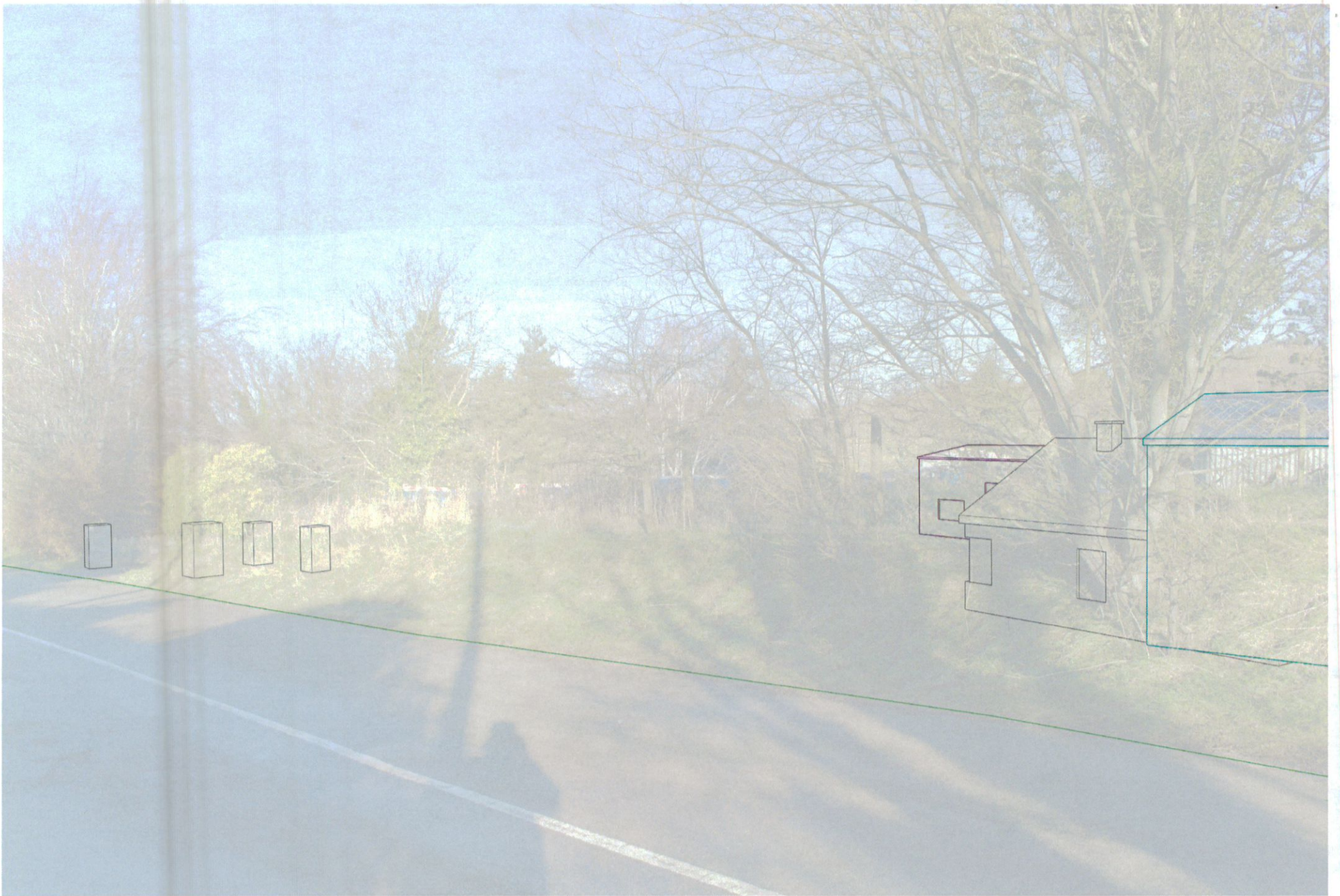
Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/80  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709418, West 723352  
 Date/Time Taken: 17 January 2023 @ 2:35 pm

Project: Proposed Development at Glenside House, Glassamucky, Dublin 24.	Title: <b>View 4 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-04</b>	Client: <b>Gary McKeon</b>	
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Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/60  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709416, West 723365  
 Date/Time Taken: 17 January 2023 @ 2:36 pm

Project: Proposed Development at Glenside House, Glassamucky, Dublin 24.	Title: <b>View 5 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-05</b>	Client: <b>Gary McKeon</b>	
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Existing photo with development superimposed - Partly Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/30  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709397, West 723396  
 Date/Time Taken: 17 January 2023 @ 2:37 pm

Project: Proposed Development at Glenside House, Glassamucky, Dublin 24.	Title: <b>View 6 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-06</b>	Client: <b>Gary McKeon</b>	
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Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/20  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709393, West 723407  
 Date/Time Taken: 17 January 2023 @ 2:38 pm

Project: <b>Proposed Development at          Glenside House,          Glassamucky, Dublin 24.</b>	Title: <b>View 7 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-07</b>	Client: <b>Gary McKeon</b>	
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Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/13  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709389, West 723439  
 Date/Time Taken: 17 January 2023 @ 2:39 pm

Project: Proposed Development at Glenside House, Glassamucky, Dublin 24.	Title: <b>View 8 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-08</b>	Client: <b>Gary McKeon</b>	
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Existing photo with development superimposed - Not Visible



Existing Photo

Camera Info: Canon 750D - ISO 100, 18mm, f/10, SS 1/15  
 Image Size: 6000 x 4000 pixels  
 Horizontal Angle: 64°  
 GPS Co-ordinates: IG East 709374, West 723459  
 Date/Time Taken: 17 January 2023 @ 2:40 pm

Project: Proposed Development at Glenside House, Glassamucky, Dublin 24.	Title: <b>View 9 - 3d Montage &amp; Existing</b>	Sheet No: <b>2023-101-OP-09</b>	Client: <b>Gary McKeon</b>	
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**Methodology Statement - Verified Imagery:**

**For proposed Development for Gary McKeon. at Glenside House, Glassamucky, Bohernabreena, Dublin 24.**

**Preliminaries**

1. Cad files were supplied by Patrick Joyce Associates showing design and position of proposed development. Photographs were taken from surrounding locations shown on supplied location map.
2. Photographs were taken at locations on 17 January 2023 using Canon SLR 750D type digital camera using standard 50mm lens at resolution of 6000 x 4000 pixels (24 megapixels).
3. Exact location and elevation at each viewpoint location were recorded with Garmin GPSmap 60CSx.

**Computer Work (3d modelling)**

4. The proposed development and surrounding site was modelled in 3d form using "FormZPro" award winning 3d synthesizer software to exact scale as on drawings supplied. This information included site information, with which a digital model was generated.
5. 3d file was created and proposed design was inserted using world coordinates (Allows Eastings and Westings GPS data to be inserted relative to relative terrain).
6. The digital 3d model was inserted to exact positions as on proposed design.

**Photograph matching**

7. Photographs were imported onto computer and processed using Photoshop processing software and saved as high resolution PNG files.
8. The image files were imported one by one into the 3d file as underlays.
9. Given that the exact location of the camera position is recorded via world coordinates, this information was inputted into the 3d file. This provided the photo position in relation to the proposed development and existing terrain. EXIF data was used for lighting exposure.
10. Using maps of the area in conjunction with reference photographs and survey drawings, this information was then coordinated to establish the angle of direction that the photo was taken from.
11. Given that the time and date was recorded, this information was inputted into the 3d file to give sun position when photograph was taken.

**Rendering**

12. Once each photograph position and direction is matched, they are 'rendered' using Maxwell Render Non-Biased software which uses actual photon data to calculate an alpha channel image file and a vector file.
13. Using a photo editing software package (Adobe PhotoShop), the alpha channel render file and the vector file are over laid onto the original image file of the photograph on separate layers.
14. The Alpha channel allows the original image to show through the rendered image to give position of the proposal on the photograph.
15. The final images are inserted into, and arranged in position for print and digital output.

Each view shows the existing photograph with the proposed structures superimposed to scale in position, the original photograph and a Positional view showing the wireframe of the matched 3d model in place with proposed works shown in red.

The purpose of these photomontages (verified photography) is to show, as accurately as possible, the scale and positioning of the proposal in context with its surroundings as viewed from specified positions. It is not intended for marketing or to show it in an "artistic light". The CG imagery of the proposed dwellings are to give a feeling of the development, materials shown may differ slightly in reality. All work by Object Previews for this proposal is intended to be non-biased. All images are the result of known existing information and the information supplied by the design consultants.

