digital dimensions
architectural visualisation

Kilcock West SHD 2

Verified Photomontages & Computer-generated imagery (CGIs)



NOTES AND METHODOLOGY

PROJECT DETAILS

Title:	Kilcock West SHD 2	
Dev. Description:	Construction of 272 units to include 149 no. houses and 123no. apartments & duplexes and a childcare facility	
Design team:	Architect:	Paul Byrne Architects
	Landscape Architect:	Landmark Designs
	Civil / Structural Engineers:	CS Consulting Group
	Planning Consultant:	David Mulcahy Planning Consultants Ltd
	Project Manager:	Savage Engineering & Property Services LTD

Prepared by Digital Dimensions

Issue Date	10/08/22	26/08/22	01/09/22			
Revision	A	B	C			
Status	DRAFT	DRAFT	FINAL			

PROFILE

Digital Dimensions are specialists in computer generated visualisations for all forms of planning applications. The company was established in 2000 by John Healy and Jim Manning in Dublin, Ireland. Digital Dimensions is one of Ireland's leading architectural visualisation companies with 20+ years of experience covering a wide range of solutions in the areas of architectural visualisation, environmental design and digital media.

Method Statement - Photo-montage production using guidance in The Landscape Institute TGN-06-19 Visual Representation of Development Proposals.

1. Photographs are taken from locations as advised by the planning consultant with a full frame SLR digital camera and prime lens. Photographs are taken using the most appropriate combination of lens focal lengths to ensure that the field of view covers the proposed scheme environment or landscape context. The photographs are taken horizontally with a survey level attached to the camera. The photographic positions are marked (for later surveying), the height of the camera and the focal length of the image recorded.

2. In each photograph, a minimum of 3no. visible fixed points are marked for surveying. These are control points for model alignment within the photograph. All surveying is carried out by a qualified topographical surveyor using Total Station / GPS devices.

3. The photographic positions and the control points are geographically surveyed and this survey is tied in to the site topographical survey supplied by the Architect / client.

4. The buildings are accurately modelled in 3D cad software from cad drawings or BIM model supplied by the Architect. Material finishes are applied to the 3D model and scene element are place like trees and planting to represent the proposed landscaping.

5. Virtual 3D cameras are positioned according to the survey co-ordinates and the focal length is set to match the photograph. Pitch and rotation are adjusted using the survey control points to align the virtual camera to the photograph. Lighting is set to match the time of day the photograph is taken.

6. The proposed development is output from the 3D software using this camera and the image is then blended with the original photograph to give an accurate image of what the proposed development will look like in its proposed setting.

7. In the event of the development not being visible, the roof line of the development will be outlined in red if re-quested.

8. The document contains:

   a. Site location map with view locations plotted.
   b. Photomontage sheet with existing or proposed conditions.
   c. Reference information including field of view/focal length, range to site / development, date of photograph.

9. For the views, we provide four images:

   a. The existing view (on 18 July 2022);
   b. The proposed photomontage (or scheme outline as appropriate)

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View Location Map

This map is for view location purposes only. Please refer to Architects drawings for site layout and redline boundary.

Photomontages

CGIs

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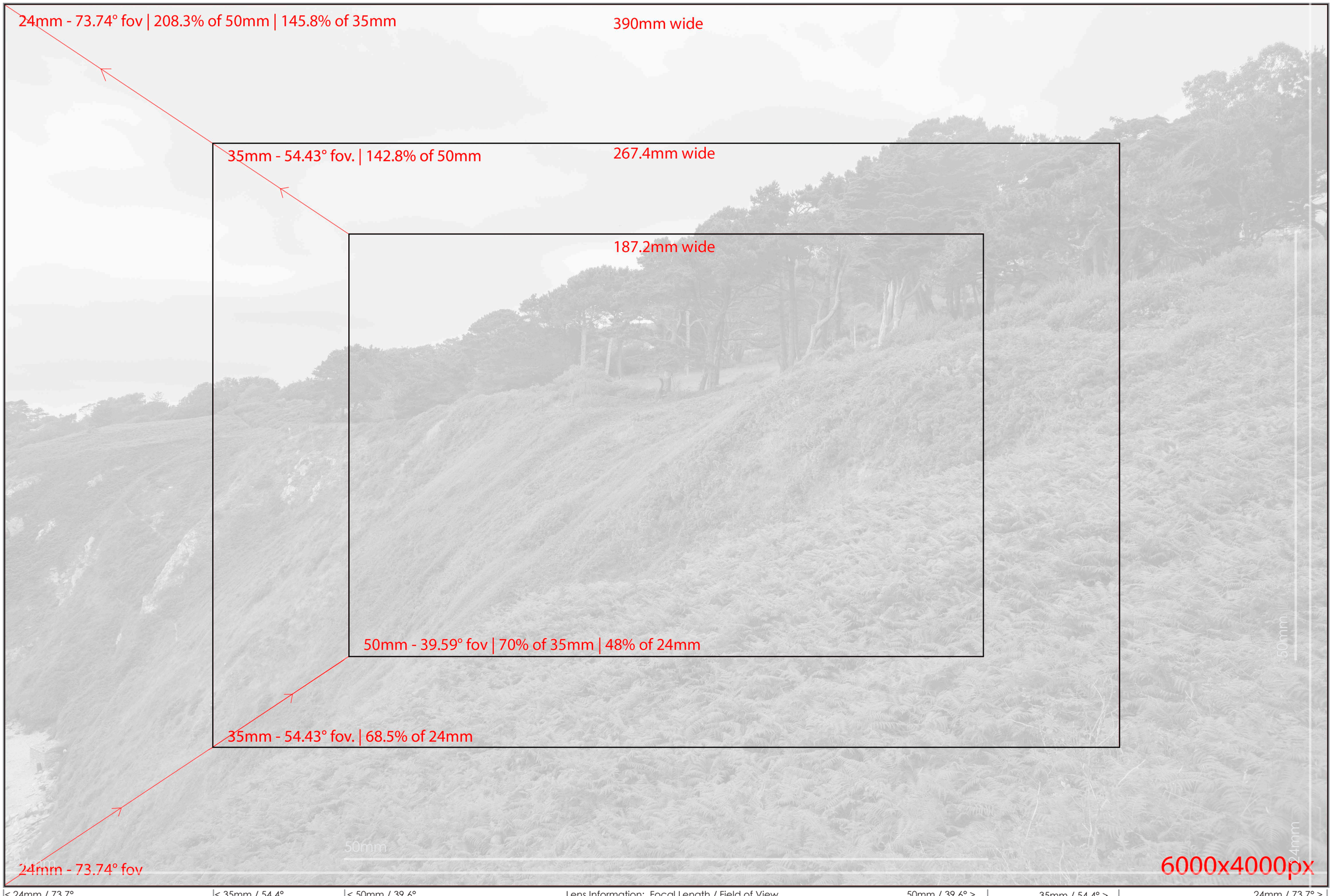

< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
					Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 1 Existing	18/07/22	73.7°	24mm	63.9m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 1 Proposed	18/07/22	73.7°	24mm	63.9m	Canon EOS 5DS

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architectural visualisation



< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 2 Existing	18/07/22	73.7°	24mm	14m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 2 Proposed	18/07/22	73.7°	24mm	14m	Canon EOS 5DS

digital dimensions
architectural visualisation



< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 3 Existing	18/07/22	73.7°	24mm	14.3m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 3 Proposed	18/07/22	73.7°	24mm	14.3m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 4 Existing	18/07/22	73.7°	24mm	135.7m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 4 Proposed	18/07/22	73.7°	24mm	135.7m	Canon EOS 5DS

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Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 5 Existing	18/07/22	73.7°	24mm	53.5m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 5 Proposed	18/07/22	73.7°	24mm	53.5m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 6 Existing	18/07/22	73.7°	24mm	36.2m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 6 Proposed	18/07/22	73.7°	24mm	36.2m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 7 Existing	18/07/22	73.7°	24mm	19.4m	Canon EOS 5DS

digital dimensions
architectural visualisation



< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 7 Proposed	18/07/22	73.7°	24mm	19.4m	Canon EOS 5DS

digital dimensions
architectural visualisation



< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 8 Existing	18/07/22	73.7°	24mm	95.7m	Canon EOS 5DS

digital dimensions
architectural visualisation



< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 8 Proposed	18/07/22	73.7°	24mm	95.7m	Canon EOS 5DS

digital dimensions
architectural visualisation

< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 9 Existing	18/07/22	73.7°	24mm	213.4m	Canon EOS 5DS

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< 24mm / 73.7° | < 35mm / 54.4° | < 50mm / 39.6° | Lens Information: Focal Length / Field of View | 50mm / 39.6° > | 35mm / 54.4° > | 24mm / 73.7° >

Location	Photography Date	Field of view	35mm equivalent	Distance to site boundary	Camera model
View 9 Proposed	18/07/22	73.7°	24mm	213.4m	Canon EOS 5DS

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Location
View 1 CGI

digital dimensions
architectural visualisation



Location
View 2 CGI

digital dimensions
architectural visualisation



Location
View 3 CGI

digital dimensions
architectural visualisation



Location
View 4 CGI

digital dimensions
architectural visualisation

Location
View 5 CGI

digital dimensions
architectural visualisation

Location
View 6 CGI

digital dimensions
architectural visualisation

Location
View 7 CGI

digital dimensions
architectural visualisation



Location
View 8 CGI

digital dimensions
architectural visualisation



Location
View 9 CGI

digital dimensions
architectural visualisation

Location
View 10 CGI

digital dimensions
architectural visualisation



Location
View 11 CGI

digital dimensions
architectural visualisation



Location
View 12 CGI

digital dimensions
architectural visualisation