FOUNDATION

**VERIFIED VIEWS
6 DECEMBER 2022**

DENVILLE HALL
62 DUCK'S HILL RD, HA6 2SB

METHOD STATEMENT

1. VIEWPOINT SELECTION & TYPE

1.1 Viewpoint locations were identified by Kalli Architecture/HCH. Foundation CGI used these as guide to find suitable positions located on site.

1.2 Verified View Level 3 was chosen to give the assessors the most meaningful representation of the proposal.

2. PHOTOGRAPHY

2.1 The photography was undertaken on the 9th November 2022 using a Canon 5D Mark IV with a Canon 24-70mm f/2.8L II USM Zoom Lens.

2.2 The height to the centre of the lens was recorded for each view

2.3 A plumb line was hung from the lens's entrance pupil and marked on the ground with a survey nail, where possible. If using a survey nail was not possible a permanent ground feature was used.

2.4 The time and date of each photograph was recorded so that any direct sun & shadow could be reproduced in our 3D model.

2.5 The camera was targeted at the centre of the proposed development, unless otherwise stated.

2.6 The photograph's lens distortion is removed using the Adobe Camera Raw profile for the lens.

2.7 The surveyor surveyed the camera locations and key points within each photograph. These are delivered as 3D CAD point cloud along with a table of their coordinates. All coordinates relate to the OS grid & datum via GPS observations.

3. 3D MODELLING

3.1 Foundation CGI detailed Kalli Architecture's 3D computer model using their plans, elevations and sections.

3.2 Kalli Architecture were supplied with CGIs of this model to ensure that we had interpreted their proposal correctly.

3.3 Arbitrary 3D models were created for the immediate context and used to recreate shadows and reflections on the proposed development.

4. VERIFICATION PROCESS

4.1 The surveyed camera positions and key points were imported into our 3D software.

4.2 To prevent numerical and display inaccuracies the surveyors coordinate system was moved so that the coordinates for the camera (508186.247E, 191332.667N) became our new origin (0,0 in the 3D software's x and y axes).

4.3 Foundation CGI's 3D model of the proposed development was aligned to the surveyor's coordinate system using the CAD information supplied by Kalli Architecture.

4.4 For each view a virtual camera is created in our 3D program using the camera's position supplied by the surveyor and the initial focal length is set using the data recorded in the photograph's metadata.

4.5 For each camera the camera's position, target, roll and focal length are refined so that the surveyed points in the 3D scene aligned with the corresponding points in the photograph.

5. IMAGE PRODUCTION

5.1 Buildings with a similar orientation to the proposed development within the photography were analysed to provide a reference of how the proposed should be lit.

5.2 Computer renders of each view are combined with the photographs using Adobe Photoshop.

5.3 Computer renders of each view are combined with the photographs using Adobe Photoshop.

5.4 The combined image is analysed to determine which elements of the proposed development will be visible and masking is applied to remove elements that would be hidden behind the context.

5.5 Finally any camera roll is removed to provide a horizontal horizon and converging verticals are minimised.

6. VERIFIED VIEW LIMITATIONS

6.1 Verified Views are intended to be used alongside site based assessment.

6.2 Whilst the position and scale of the proposed development within the photography is of verifiable accuracy, assuming accurate survey data, there is currently no way of depicting every eventuality that may affect the proposed development. Lighting, weather & atmospheric conditions along with the ageing of materials can all affect a viewers perception of the proposed. Therefore where the Verified View depicts proposed materials Foundation CGI worked with the Kalli Architecture to ensure these materials are shown as intended under the lighting conditions shown in the photograph. This is a subjective, non-verifiable process.

7. GLOSSARY

7.1 Photomontage: The combination of a computer render of a 3D model with site photography. The computer render will typically have masking applied to remove elements that would be hidden behind any context.

7.2 Computer render: The 2D representational output from a 3D software application.

8. VERIFIED VIEWS PRODUCED BY

8.1 Foundation CGI Limited

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FOUNDATION

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6 DECEMBER 2022

DENVILLE HALL
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POSITION 2
LOCATION INFORMATION

EXISTING VIEW
Baseline site photograph used for verified view

VERIFIED CAMERA VIEW
Annotated key points (white arrows) and their corresponding survey points (green crosses) seen through the re-created virtual camera demonstrating a verified view.

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VIEWPOINT LOCATION
National grid reference: 508186.247E, 191332.667N
Elevation: 69.655m

VIEWPOINT INFORMATION
Height of camera (above marker): 1575mm
Ground marking: Survey nail
Date taken: 9th November 2022
Time taken: 10:46
Focal length (approximate): 24mm
Field of view: 73.38°
Verified view type: Level 3

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POSITION 2
EXISTING VIEW

1648/2022-12-06

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POSITION 2
PROPOSED VIEW