

APPENDIX 8.1 GENERAL METHODOLOGY FOR THE PRODUCTION OF PHOTOMONTAGES

Photography of Site

1. Photographs are taken from locations as advised by client with a professional SLR digital camera. 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 2No visible fixed points are marked for surveying. These are control points for model alignment within the photograph.
3. The photographic positions and the control points are geographically surveyed and these positions are plotted on the site survey drawing as supplied by the Architect.

3D Computer Model, Rendered Views and Photomontage Preparation

4. The buildings are accurately modeled and materials applied according to plans, elevations and finishes supplied by the Architect and aligned to the survey drawing with the camera positions.
5. Within the 3d software virtual 3d cameras are positioned according to the survey coordinates. The focal length of the photograph is input. Pitch and rotation are adjusted using the survey control points to align the virtual camera to the photograph.
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. A highly accurate 3D-computer model of the proposed development was created with photo-realistic materials, finishes and colours. Rendered views of the proposed.
7. In the event of the development not being visible, the roof line of the development will be outlined in red if requested.
8. A document is produced with the following information:
 - a) Site location map with view locations plotted.
 - b) Photo-montage sheet showing:
 - Existing and proposed conditions
 - View with surveyed control alignment points
 - Reference information including field of view/focal length, range to site/development
 - Date of photograph.
9. All surveying is carried out by a qualified topographical surveyor. Where GPS devices are used they are Survey grade.