

APPENDIX F.2

PHOTOMONTAGE METHODOLOGY

Photomontage Methodology

Photomontages have been produced for the Covanta EfW facility proposals by combining computer generated images of the proposed building with photographs from selected viewpoints.

The photomontages were produced using a combination of CAD modelling and graphics software. Revit Computer Aided Design software was used to create a 3d model from which rendered images could be generated. These were then combined with the photographs using Adobe Photoshop.

Firstly a master plan was set up to show where all of the viewpoint locations are on plan. Using a combination of satellite photography, OS data and notes the viewpoint locations were determined.

The viewpoints have been adjusted for elevation from survey information and OS data so that the view point in the computer model is at the correct elevation.

The proposed building and ancillaries were modelled and inserted at the correct location and elevation in the site plan.

The views were then set to replicate the viewpoint photos exactly. Some of the photos have been stitched from multiple source photos which results in some distortion at the peripheries. In these cases the alignment was concentrated on the part of the image where the EfW facility was visible.

In order to align the views accurately and to demonstrate that the computer model views are aligned with the image – existing features local to the view; buildings, masts, pylons etc have been block modelled in the CAD model using OS and survey data. The view photos are then used as backgrounds and the views manipulated until the existing feature elements in the model match those in the photo.

The views are then exported and over laid in Photoshop to check alignment. Initially a view without the proposed building is used so that the proposed building does not obscure the reference points. The proposed building is then rendered and that output is overlaid with the viewpoint photograph.

Where there are elements in the photos between photo viewpoint and the proposed building – these are separated out and then overlaid on top of the computer generated image to produce the final photomontage.

Assumed level of building 36.4m = 0 in model

View location elevations height

View A – Elevation 36.5	View height +1.5m Target Height =
View B – Elevation 35.5m	View height +0.5m Target Height =
View C – Elevation 35m	View height +0m Target Height =
View D - Elevation 39.4m	View height +4.4m Target Height =
View E - Elevation 43m	View height +8m Target Height =
View F – Elevation 39m	View height +4m Target Height =
View G – Elevation 32.3m	View height -2.7m Target Height =
View H – Elevation 38.5mm	View height +3.5m Target Height =
View I - Elevation 46m	View height +11m Target Height =