



Methodology for the preparation of photomontages for Proposed Management Facility at Carranstown, County Meath.

PHOTOGRAPHY

The photomontages are based on photographs taken using Corfield WA67 camera. This is a medium format camera, with a fixed 47mm lens, yielding a horizontal angle of coverage of 73.5°. The viewpoints used were selected to represent the visual impact from all four points of the compass. All the photographs were taken in bright, clear weather conditions, with good visibility.

SURVEY INFORMATION

A full electronic survey was available which included the R152 along the site frontage and beyond, and also included the location and level of the two existing stacks at the Plating Cement Factory. In the case of the viewpoints along the front of the site, Views 1 to 4; the camera positions were surveyed electronically in three dimensions, and referenced to the main survey file. In the case of the rest of the views, the camera position was located on either the 1:10560 or the 1:50000 Ordnance Maps using field boundaries or buildings as reference points. In order to establish the camera level for these viewpoints, vertical angles were taken using a theodolite from each of the camera positions to the two existing stacks at plating.

CALCULATING VIEWPOINTS

By plotting the survey information, it was possible to establish the location of the camera points relative to the site and the existing stacks. This allowed us to measure the distance from the viewpoints to the stacks. Using the distance and the vertical angles, we were able to calculate the level of the camera. Using the position of the stacks in the photographs, and knowledge of the geometry of the camera lens, it was possible to establish the plan rotation of the centre of vision for each view.

DIGITAL MODEL

A digital model of the proposed facility was built using drawings supplied by the Architects and the Engineers. The two stacks were also built in the model. It was then possible to generate the same perspective from the model for each of the viewpoints.

PHOTOMONTAGES

The perspective views were taken and overlaid onto the background photography. An accurate fit was established by ensuring the stacks in the rendered image overlaid accurately onto the real stacks in the photographs. After, this a clipping path was made to remove any parts of the proposals which would be screened by foreground obstructions.

PRINTS

The images have been printed at A3 size, and as such, will appear at the correct scale at a reading distance of 265mm. It is intended that the images be viewed on site, from the same point as the original photographs were taken. This will assist the observer in forming an opinion as to the visual impact of the proposed development.

John Kelly
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73.5° | 60° | 50° | 40° | ANGLE OF VISION SCALE | 40° | 50° | 60° | 73.5°

Proposed Waste Management Facility at Carranstown, County Meath.
View from R152 at southern end of site

View 1 as existing



73.5°

60°

50°

40°

ANGLE OF VISION SCALE

40°

50°

60°

73.5°

Proposed Waste Management Facility at Carranstown, County Meath.

View from R152 at southern end of site

View 1 as proposed after two years



73.5° | 60° | 50° | 40° | ANGLE OF VISION SCALE | 40° | 50° | 60° | 73.5°

Proposed Waste Management Facility at Carranstown, County Meath.
View from R152 at southern end of site

View 1 as proposed after five years