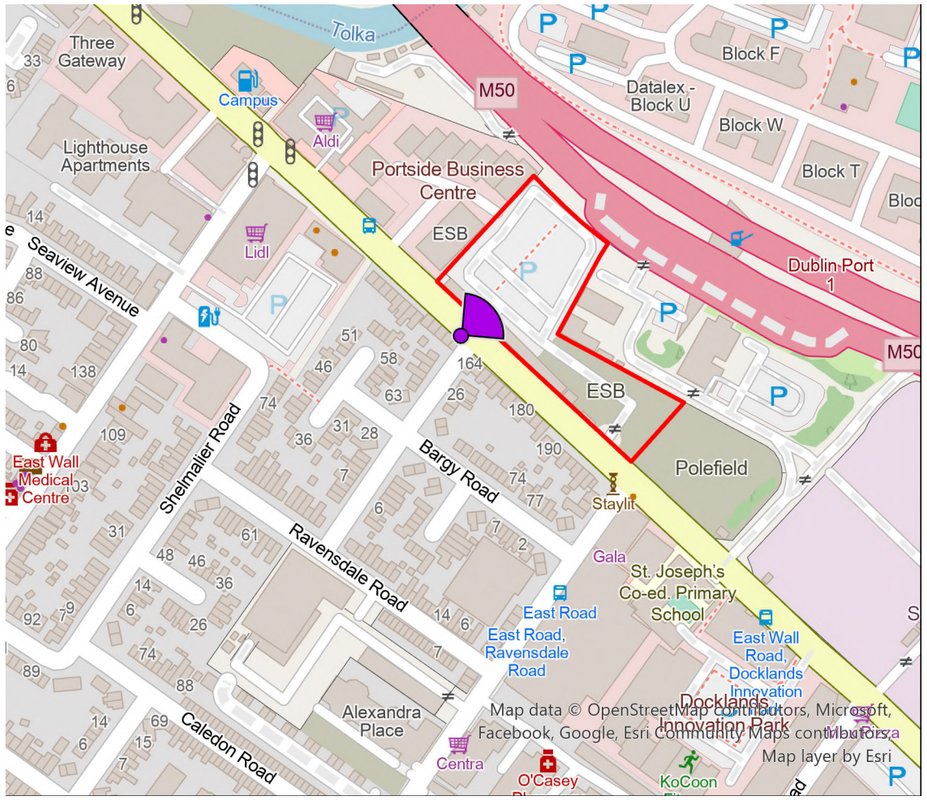
Photomontages

Drawing Title	Drawing Number
Accurate Visual Representations: Viewpoint 1 East Wall Road / Forth Road Location Map	Figure 13-4a
Accurate Visual Representations: Viewpoint 1 East Wall Road / Forth Road Existing View (LHS)	Figure 13-4b
Accurate Visual Representations: Viewpoint 1 East Wall Road / Forth Road Existing View (RHS)	Figure 13-4c
Accurate Visual Representations: Viewpoint 1 East Wall Road / Forth Road Proposed View Year 1 of Operation (LHS)	Figure 13-4d
Accurate Visual Representations: Viewpoint 1 East Wall Road / Forth Road Proposed View Year 1 of Operation (RHS)	Figure 13-4e
Accurate Visual Representations: Viewpoint 1 East Wall Road / Forth Road Proposed View Year 15 of Operation (LHS)	Figure 13-4f
Accurate Visual Representations: Viewpoint 1 East Wall Road / Forth Road Proposed View Year 15 of Operation (RHS)	Figure 13-4g
Accurate Visual Representations: Viewpoint 2 East Wall Road / East Road Location Map	Figure 13-5a
Accurate Visual Representations: Viewpoint 2 East Wall Road / East Road Existing View (LHS)	Figure 13-5b
Accurate Visual Representations: Viewpoint 2 East Wall Road / East Road Existing View (RHS)	Figure 13-5c
Accurate Visual Representations: Viewpoint 2 East Wall Road / East Road Proposed View Year 1 of Operation (LHS)	Figure 13-5d
Accurate Visual Representations: Viewpoint 2 East Wall Road / East Road Proposed View Year 1 of Operation (RHS)	Figure 13-5e
Accurate Visual Representations: Viewpoint 2 East Wall Road / East Road Proposed View Year 15 of Operation (LHS)	Figure 13-5f
Accurate Visual Representations: Viewpoint 2 East Wall Road / East Road Proposed View Year 15 of Operation (RHS)	Figure 13-5g



Scale 1:4,000



Scale 1:1,000





The methodology used for the visualisations complies with the guidance set out in the Landscape Institute Technical Guidance Note *Visual Representation of Development Proposals*, published on 17th September 2019. Base photography was captured with a Nikon D750 digital SLR camera with fixed 50mm lens mounted on a tripod with panoramic head. Individual photo frames were captured in portrait format covering a full 360 degrees view at each viewpoint location. These images were joined together to create 360-degree cylindrical panoramas.

Photomontages of the Proposed Development have been prepared from viewpoints 1 and 2 from the visual impact assessment. These are photorealistic rendered views of the Proposed Development from a 3D model overlaid with the viewpoint photograph. Industry standard software including 3ds max, VRAY, Civil3d, PTGui and Photoshop was used to prepare the photomontages. A 3d model of the Proposed Development (provided by the project Architect) was imported and geo referenced into the modelling software (3ds Max). Contextual 3ds Max model of the site and surrounding area encompassing the agreed viewpoints was prepared, derived from available 3d data.

Photorealistic materials were applied to the model along with proposed planting. Virtual cameras were set up in the model to correspond to the real-world locations of the viewpoints using reference features in the model to match the view with the original photograph. The sun position was set to match the date and time of the original photographs. Photorealistic renders were generated from the model for each viewpoint and matched to the original photograph. Intervening elements were masked out such as existing buildings and vegetation so that the development could sit correctly in the photograph. The resulting photomontage images are presented on a series of drawing sheets with viewpoint location plan, existing photograph, and photomontage at year 1 and year 15 of operation as per current Landscape Institute guidance.

Client: EirGrid

TETRA TECH / BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717771.5, 735419.2
Ground level:	3.44m AOD
Direction of view:	50°
Distance to Site:	15m
Paper size:	420 x 297mm (A3)

Rev	Date	Drn	Chk	Amendment / Issue	App

TETRA TECH
West Pier Business Campus, Dun Laoghaire, Co Dublin
T +353 1 4882900
F +353 1 2835676
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E ireland@rpsgroup.com

Scale: As shown @ A3
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Sheets: 1 of 7

Project: **CENTRAL DUBLIN SUBSTATION PROJECT**

Title: ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 1 EAST WALL ROAD / FORTH ROAD LOCATION MAP

Drawing Number: FIGURE 13-4a
Status: S3
Rev: P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717771.5, 735419.2	Camera:	Nikon D750
Ground level:	3.44m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15m	Date and time:	04/06/25 12:08
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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A TETRATECH COMPANY
West Pier
Business Campus
Dun Laoghaire
Co Dublin
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Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 1
EAST WALL ROAD / FORTH ROAD EXISTING VIEW (LHS)

Drawing Number FIGURE 13-4b

Status S3

Rev P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717771.5, 735419.2	Camera:	Nikon D750
Ground level:	3.44m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15m	Date and time:	04/06/25 12:08
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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Co Dublin
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Project **CENTRAL DUBLIN SUBSTATION PROJECT**

Title ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 1
EAST WALL ROAD / FORTH ROAD EXISTING VIEW (RHS)

Drawing Number FIGURE 13-4c

Status S3

Rev P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717771.5, 735419.2	Camera:	Nikon D750
Ground level:	3.44m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15m	Date and time:	04/06/25 12:08
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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West Pier
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Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 1
EAST WALL ROAD / FORTH ROAD pROPOSED VIEW YEAR 1 OF OPERATION (LHS)

Drawing Number
FIGURE 13-4d

Status
S3

Rev
P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717771.5, 735419.2	Camera:	Nikon D750
Ground level:	3.44m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15m	Date and time:	04/06/25 12:08
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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West Pier
Business Campus
Dun Laoghaire
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Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 1
EAST WALL ROAD / FORTH ROAD PROPOSED VIEW YEAR 1
OF OPERATION (RHS)

Drawing Number
FIGURE 13-4e

Status
S3

Rev
P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717771.5, 735419.2	Camera:	Nikon D750
Ground level:	3.44m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15m	Date and time:	04/06/25 12:08
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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West Pier
Business Campus
Dun Laoghaire
Co Dublin

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Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 1
EAST WALL ROAD / FORTH ROAD PROPOSED VIEW YEAR 15
OF OPERATION (LHS)

Drawing Number
FIGURE 13-4f

Status
S3

Rev
P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717771.5, 735419.2	Camera:	Nikon D750
Ground level:	3.44m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15m	Date and time:	04/06/25 12:08
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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West Pier
Business Campus
Dun Laoghaire
Co Dublin

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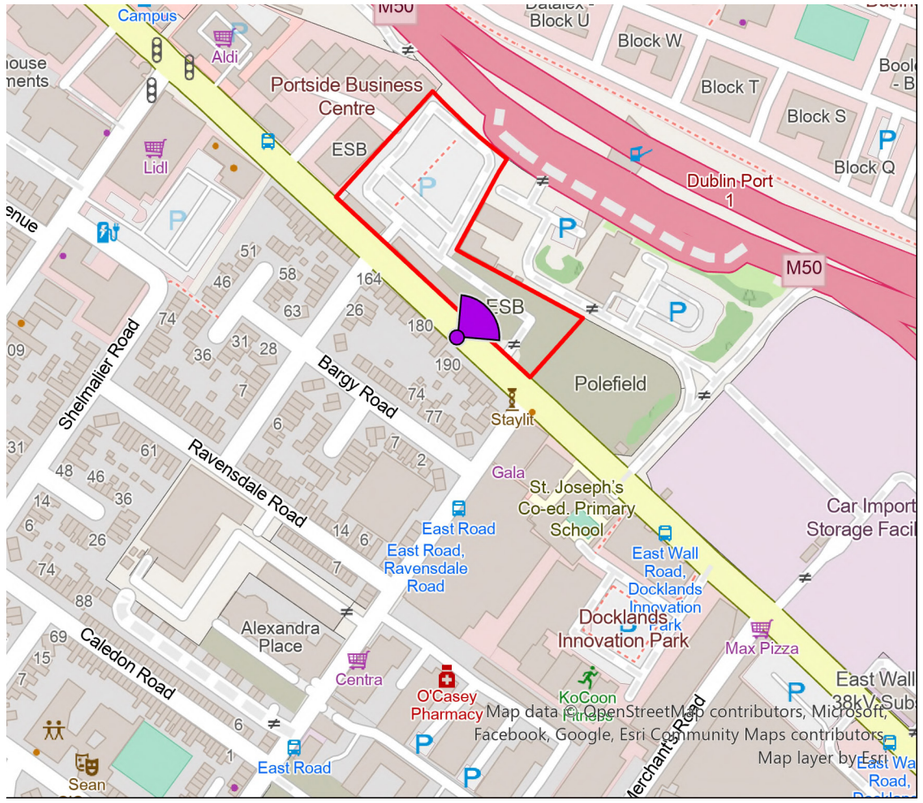
Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 1
EAST WALL ROAD / FORTH ROAD PROPOSED VIEW YEAR 15
OF OPERATION (RHS)

Drawing Number
FIGURE 13-4g

Status
S3

Rev
P01



Scale 1:4,000



Scale 1:1,000





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Client: EirGrid

TETRA TECH / BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	E717834.7 N735363.2
Ground level:	3.26m AOD
Direction of view:	50°
Distance to Site:	15.8m
Paper size:	420 x 297mm (A3)

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West Pier Business Campus
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Co Dublin
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Project	CENTRAL DUBLIN SUBSTATION PROJECT
Title	ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 2 EAST WALL ROAD / EAST ROAD LOCATION MAP
Drawing Number	FIGURE 13-5a
Status	S3
Rev	P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717834.7, 735363.2	Camera:	Nikon D750
Ground level:	3.26m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15.8m	Date and time:	04/06/25 12:46
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 2
EAST WALL ROAD / EASTROAD EXISTING VIEW (LHS)

Drawing Number
FIGURE 13-5b

Status
S3

Rev
P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717834.7, 735363.2	Camera:	Nikon D750
Ground level:	3.26m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15.8m	Date and time:	04/06/25 12:46
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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Dun Laoghaire
Co Dublin

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Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 2
EAST WALL ROAD / EASTROAD EXISTING VIEW (RHS)

Drawing Number
FIGURE 13-5c

Status
S3

Rev
P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717834.7, 735363.2	Camera:	Nikon D750
Ground level:	3.26m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15.8m	Date and time:	04/06/25 12:46
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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West Pier
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Dun Laoghaire
Co Dublin

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Project **CENTRAL DUBLIN SUBSTATION PROJECT**

Title ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 2 EAST WALL ROAD / EASTROAD PROPOSED VIEW YEAR 1 OF OPERATION (LHS)

Drawing Number FIGURE 13-5d

Status S3

Rev P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717834.7, 735363.2	Camera:	Nikon D750
Ground level:	3.26m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15.8m	Date and time:	04/06/25 12:46
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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Sheets 5 of 7

Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 2
EAST WALL ROAD / EASTROAD PROPOSED VIEW YEAR 1 OF OPERATION (RHS)

Drawing Number
FIGURE 13-5e

Status
S3

Rev
P01



Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717834.7, 735363.2	Camera:	Nikon D750
Ground level:	3.26m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15.8m	Date and time:	04/06/25 12:46
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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Sheets 6 of 7

Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 2
EAST WALL ROAD / EASTROAD PROPOSED VIEW YEAR 15 OF OPERATION (LHS)

Drawing Number
FIGURE 13-5f

Status
S3

Rev
P01

Client

EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

Viewpoint information:

OS reference:	717834.7, 735363.2	Camera:	Nikon D750
Ground level:	3.26m AOD	Lens:	50mm
Direction of view:	50°	Camera height:	1.5m AGL
Distance to Site:	15.8m	Date and time:	04/06/25 12:46
Paper size:	841 x 594mm (A1)		
Horizontal field of view:	90° (cylindrical projection)		
Principal distance:	812.5mm		

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Dun Laoghaire
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Project
CENTRAL DUBLIN SUBSTATION PROJECT

Title
ACCURATE VISUAL REPRESENTATIONS: VIEWPOINT 2
EAST WALL ROAD / EASTROAD PROPOSED VIEW YEAR 15 OF OPERATION (RHS)

Drawing Number
FIGURE 13-5g

Status
S3

Rev
P01