

Lewis Hub (AC Substation and HVDC
Converter Station)

Environmental Impact Assessment Report
Volume 3b - Visualisations

February 2025



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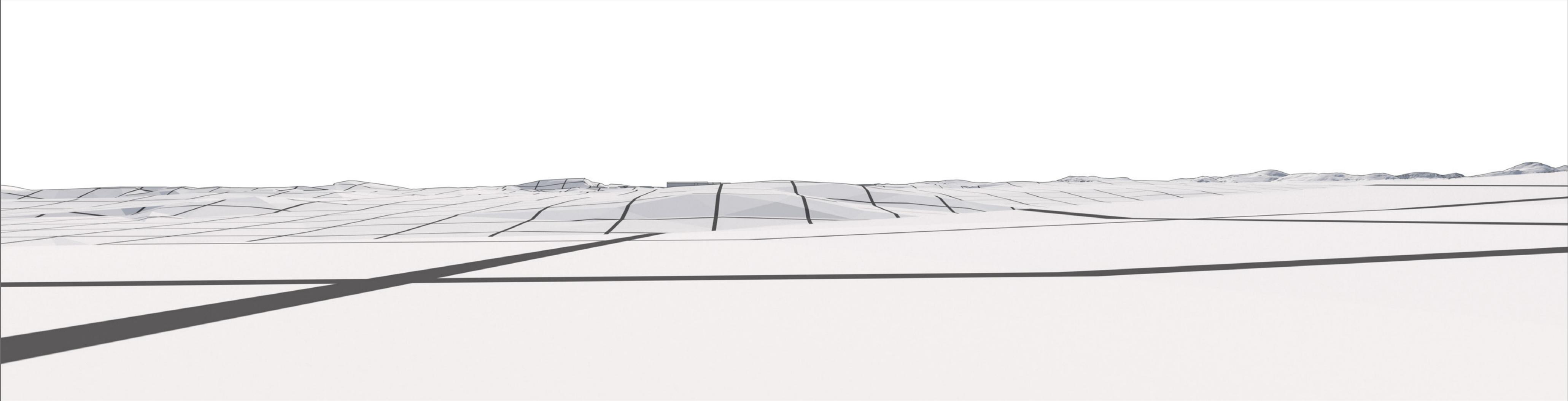
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Chapter 6 Cultural Heritage

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Wireline

View flat at a comfortable arm's length

Figure: 5.7a
Viewpoint 1: Building Receptor B1 Marybank



Lewis Hub (AC Substation and HVDC Converter Station)

OS reference: 140600 933979
Eye Level: 61m AOD
Direction of view: 178°
Distance to Development: 1.97km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 812.5mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

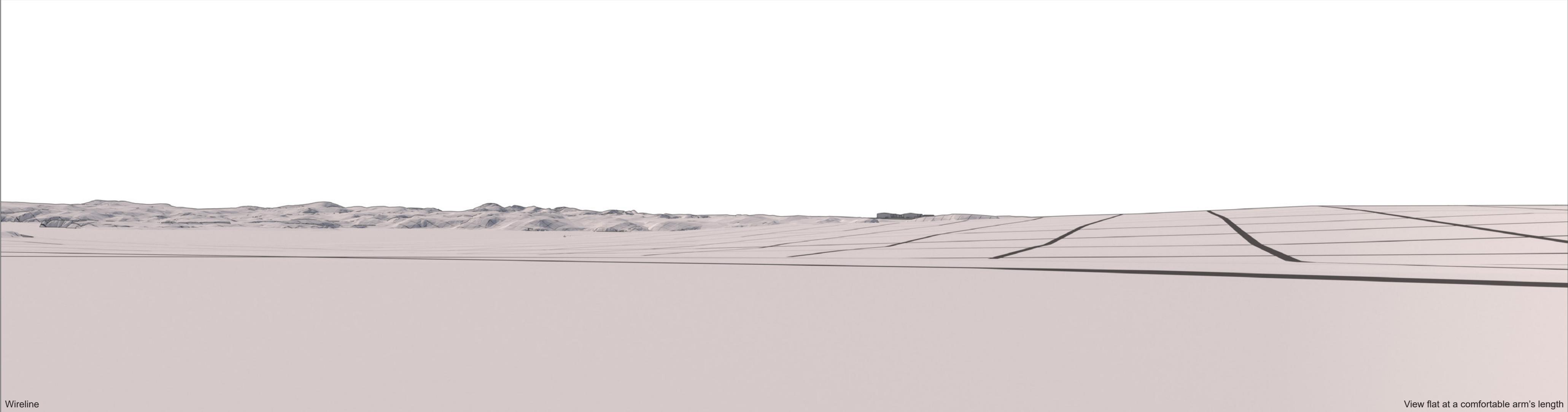


Existing View

View flat at a comfortable arm's length

OS reference:	140600 933979	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D MkIII
Eye Level:	61m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF50mm f1.8)
Direction of view:	178°	Paper size:	841 x 297 mm	Camera height:	1.5m AGL
Distance to Development:	1.97km	Correct printed image size:	820 x 260 mm	Date and time:	05/09/2024 13:47





Wireline

View flat at a comfortable arm's length

Figure: 5.8a
Viewpoint 2: Building Receptor B2 Plasterfield
Lewis Hub (AC Substation and HVDC Converter Station)



OS reference: 144333 932798
Eye Level: 25m AOD
Direction of view: 239°
Distance to Development: 3.64km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 812.5mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

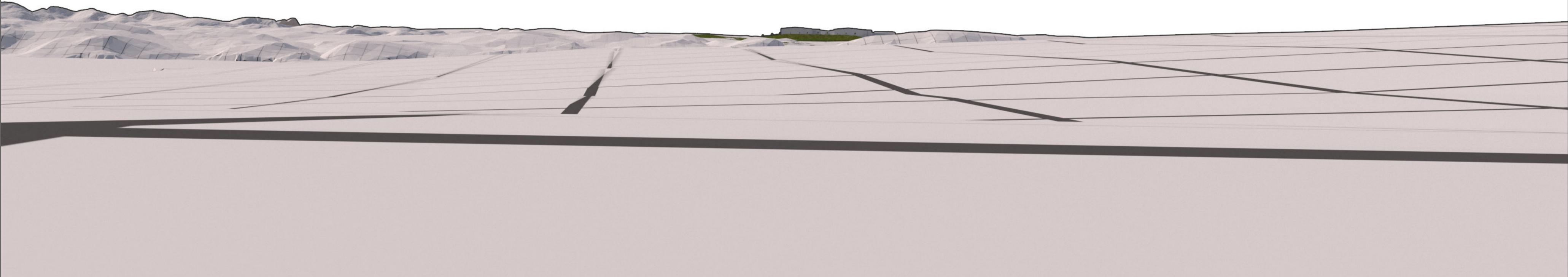


Existing View

View flat at a comfortable arm's length

OS reference:	144333 932798	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D MkIII
Eye Level:	25m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF50mm f1.8)
Direction of view:	239°	Paper size:	841 x 297 mm	Camera height:	1.5m AGL
Distance to Development:	3.64km	Correct printed image size:	820 x 260 mm	Date and time:	06/09/2024 10:26





Wireline

View flat at a comfortable arm's length

Figure: 5.8c
Viewpoint 2: Building Receptor B2 Plasterfield
Lewis Hub (AC Substation and HVDC Converter Station)



OS reference: 144333 932798
Eye Level: 25m AOD
Direction of view: 239°
Distance to Development: 3.64km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm



Photomontage

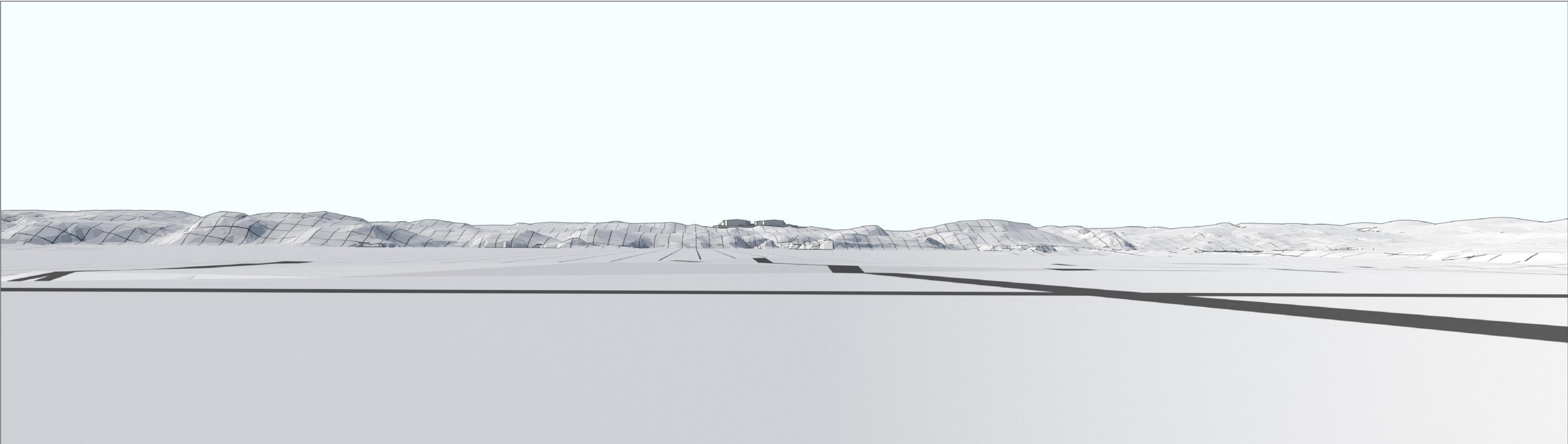
View flat at a comfortable arm's length

OS reference:	144333 932798	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D MkIII
Eye Level:	25m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF50mm f1.8)
Direction of view:	239°	Paper size:	841 x 297 mm	Camera height:	1.5m AGL
Distance to Development:	3.64km	Correct printed image size:	820 x 260 mm	Date and time:	06/09/2024 10:26



Figure: 5.8d
Viewpoint 2: Building Receptor B2 Plasterfield

Lewis Hub (AC Substation and HVDC Converter Station)



Wireline

View flat at a comfortable arm's length

Figure: 5.9a
Viewpoint 3: Building Receptor B3 Lower Sandwick
Lewis Hub (AC Substation and HVDC Converter Station)



OS reference: 143919 931668
Eye Level: 9m AOD
Direction of view: 296°
Distance to Development: 3.01km

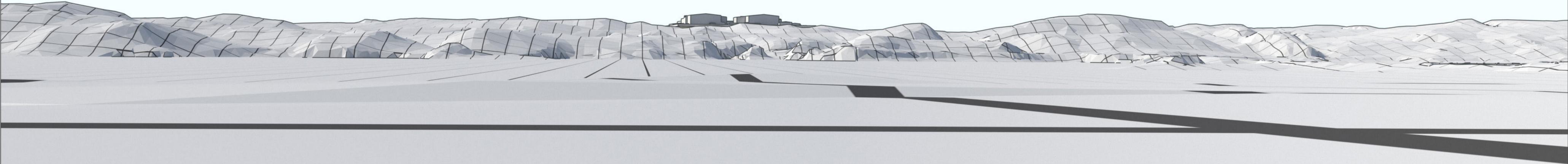
Horizontal field of view: 90° (cylindrical projection)
Principal distance: 812.5mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm



Existing View

View flat at a comfortable arm's length

OS reference:	143919 931668	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D MkIII
Eye Level:	9m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF50mm f1.8)
Direction of view:	296°	Paper size:	841 x 297 mm	Camera height:	1.5m AGL
Distance to Development:	3.01km	Correct printed image size:	820 x 260 mm	Date and time:	06/09/2024 10:52



Wireline

View flat at a comfortable arm's length

Figure: 5.9c
Viewpoint 3: Building Receptor B3 Lower Sandwick



Lewis Hub (AC Substation and HVDC Converter Station)

OS reference: 143919 931668
Eye Level: 9m AOD
Direction of view: 296°
Distance to Development: 3.01km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm



Photomontage

View flat at a comfortable arm's length

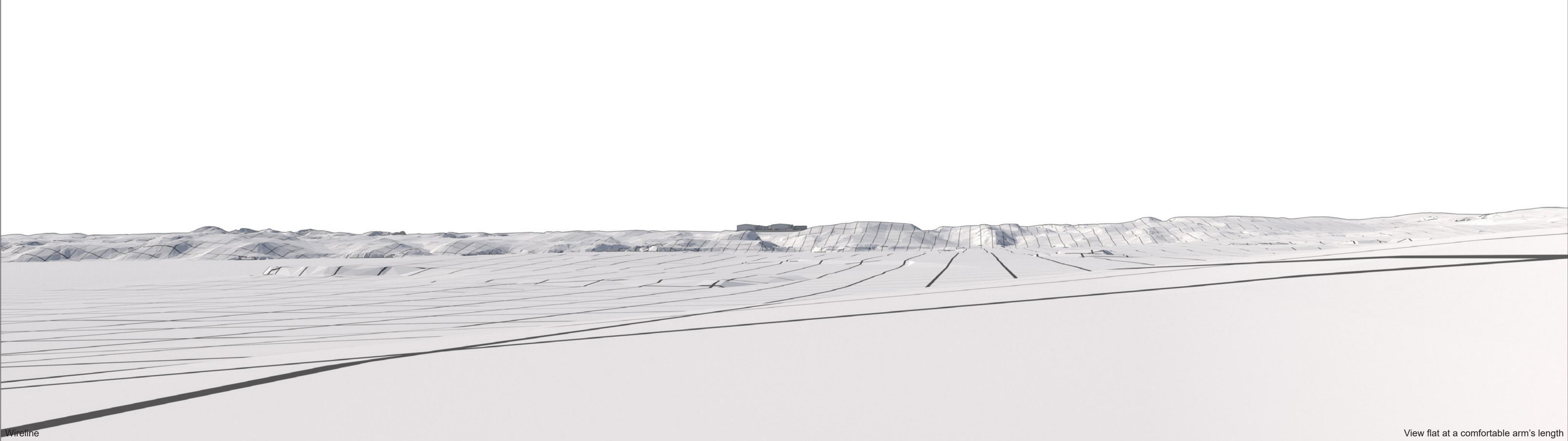
OS reference:	143919 931668	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D MkIII
Eye Level:	9m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF50mm f1.8)
Direction of view:	296°	Paper size:	841 x 297 mm	Camera height:	1.5m AGL
Distance to Development:	3.01km	Correct printed image size:	820 x 260 mm	Date and time:	06/09/2024 10:52



Viewpoint 3: Building Receptor B3 Lower Sandwick

Figure: 5.9d

Lewis Hub (AC Substation and HVDC Converter Station)



Wireline

View flat at a comfortable arm's length

Figure: 5.10a
Viewpoint 4: Building Receptor B4 Olivers Brae/Sandwick Cemetery
Lewis Hub (AC Substation and HVDC Converter Station)



OS reference: 143979 932555
Eye Level: 19m AOD
Direction of view: 248°
Distance to Development: 3.22km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 812.5mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm



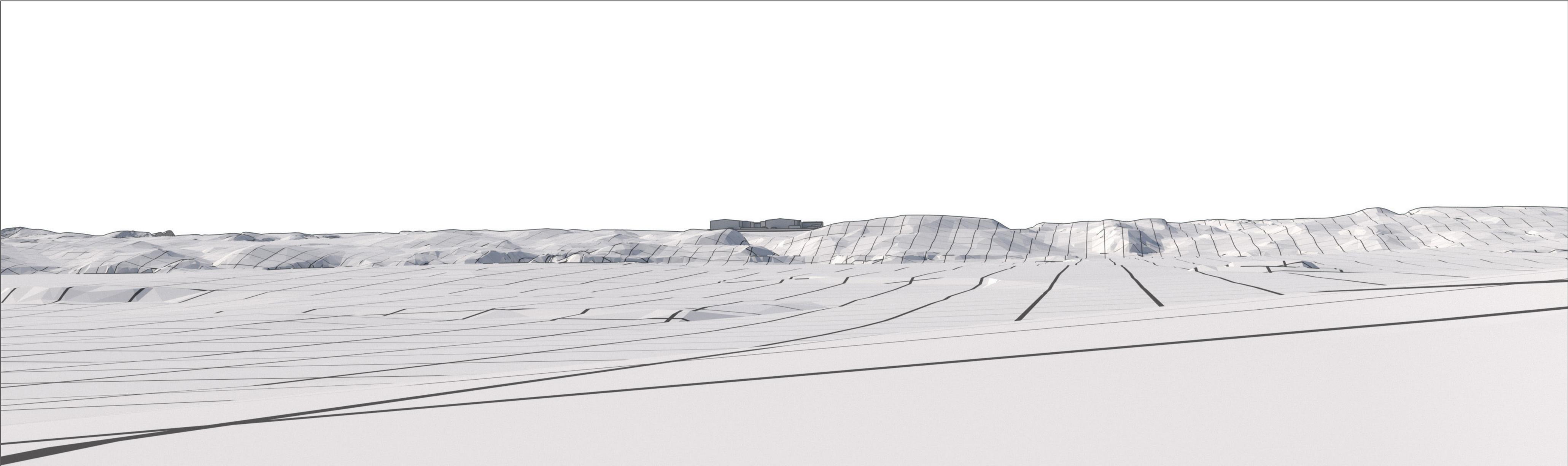
Existing View

View flat at a comfortable arm's length

OS reference:	143979 932555	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D MkIII
Eye Level:	19m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF50mm f1.8)
Direction of view:	248°	Paper size:	841 x 297 mm	Camera height:	1.5m AGL
Distance to Development:	3.22km	Correct printed image size:	820 x 260 mm	Date and time:	22/10/2024 12:20



Figure: 5.10b
Viewpoint 4: Building Receptor B4 Olivers Brae/Sandwick Cemetery
Lewis Hub (AC Substation and HVDC Converter Station)



Wireline

View flat at a comfortable arm's length

Figure: 5.10c
Viewpoint 4: Building Receptor B4 Olivers Brae/Sandwick Cemetery
Lewis Hub (AC Substation and HVDC Converter Station)



OS reference: 143979 932555
Eye Level: 19m AOD
Direction of view: 248°
Distance to Development: 3.22km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5mm
Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm



Photomontage

View flat at a comfortable arm's length

OS reference:	143979 932555	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D MkIII
Eye Level:	19m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF50mm f1.8)
Direction of view:	248°	Paper size:	841 x 297 mm	Camera height:	1.5m AGL
Distance to Development:	3.22km	Correct printed image size:	820 x 260 mm	Date and time:	22/10/2024 12:20



Figure: 5.10d
 Viewpoint 4: Building Receptor B4 Olivers Brae/Sandwick Cemetery
Lewis Hub (AC Substation and HVDC Converter Station)