

Vattenfall Wind Power Ltd

Thanet Extension Offshore Wind Farm

Annex A1 to Appendix 2 to Deadline 4B

Submission: Implications of the SEZ – Seascape,
Landscape and Visual Effects - Wirelines

Relevant Examination Deadline: 4B

Submitted by Vattenfall Wind Power Ltd

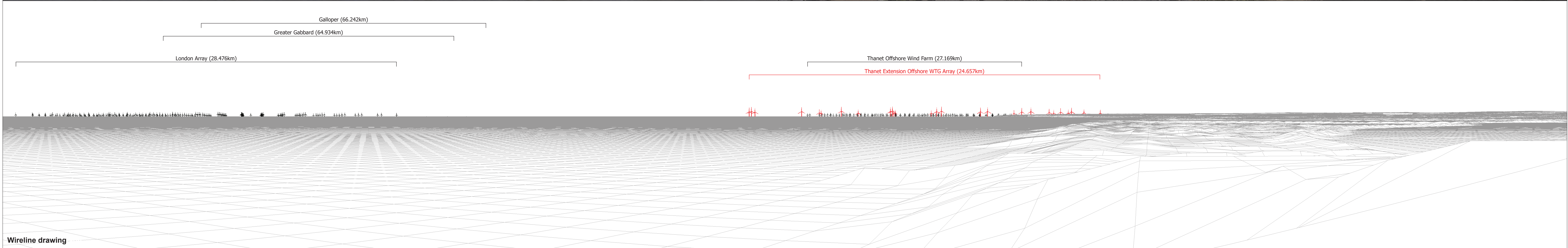
Date: April 2019

Revision A

Drafted By:	Vattenfall Wind Power Ltd
Approved By:	Daniel Bates
Date of Approval:	April 2019
Revision:	B

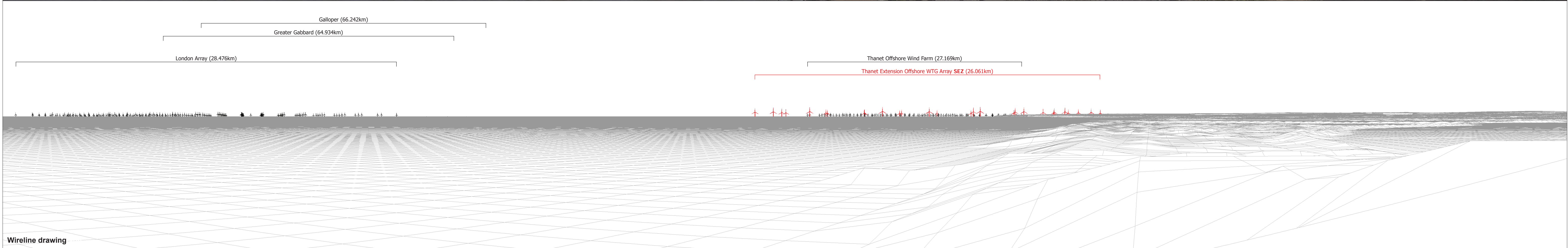
Revision A	Original document submitted to the Examining Authority

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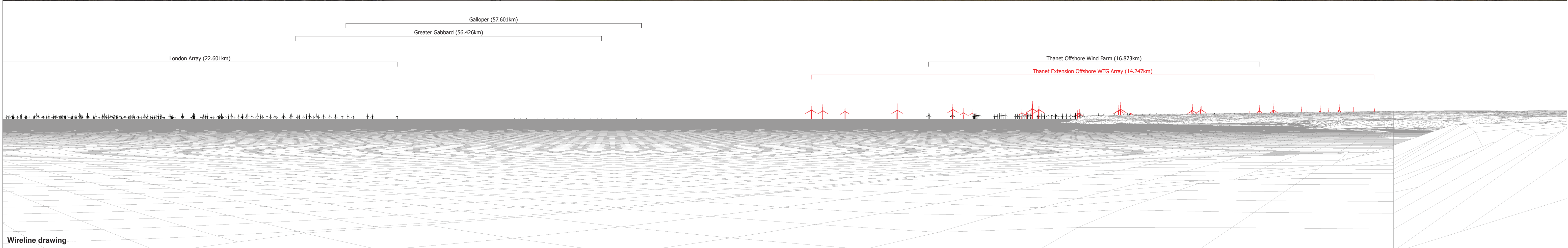
OS reference: 622760 E 169370 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 14.5 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 69°		Camera height: 1.5 m AGL
Nearest turbine: 24.657 km		Date and time: 15/08/16, 14:31

Figure: 12.27c
Viewpoint 1: Reculver Country Park, Thanet Coastal Path



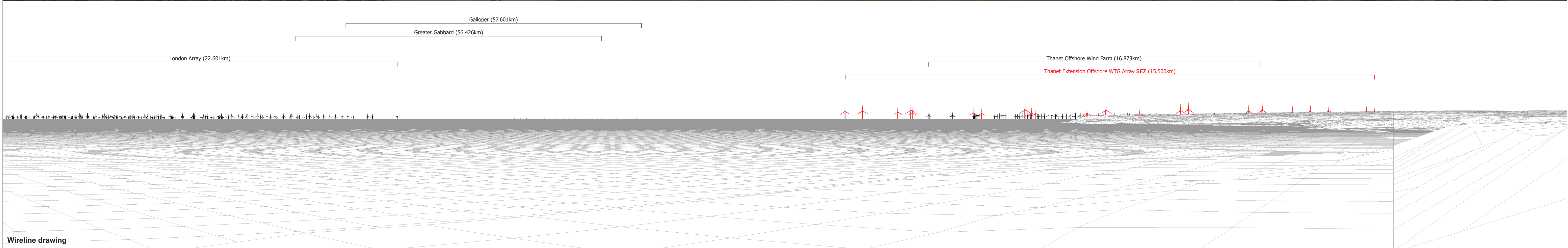
OS reference: 622760 E 169370 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 14.5 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 69°		Camera height: 1.5 m AGL
Nearest turbine: 26.061 km		Date and time: 15/08/16, 14:31

Figure: 12.27c SEZ
Viewpoint 1: Reculver Country Park, Thanet Coastal Path



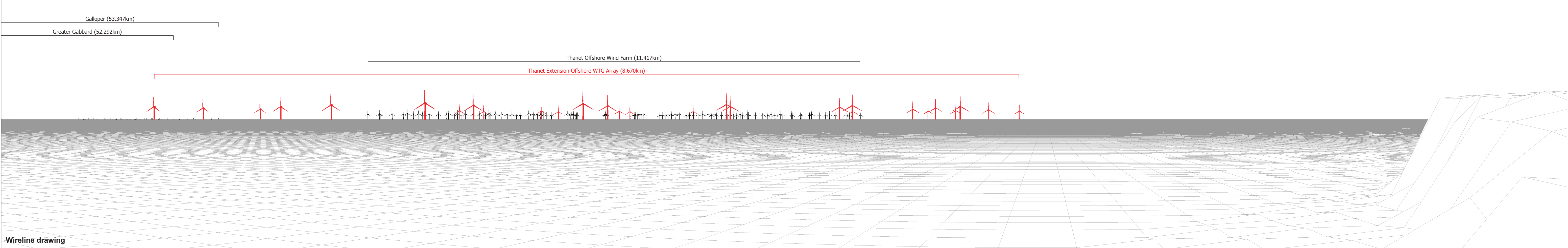
OS reference: 633269 E 170620 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 12.85 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 55°		Camera height: 1.5 m AGL
Nearest turbine: 14.247 km		Date and time: 15/08/16, 15:49

Figure: 12.28c
Viewpoint 2: West Brook POS/Thanet Coastal Path



OS reference:	633269 E 170620 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	12.85 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	55°			Camera height:	1.5 m AGL
Nearest turbine:	15.500 km			Date and time:	15/08/16, 15:49

Figure: 12.28c SEZ
Viewpoint 2: West Brook POS/Thanet Coastal Path



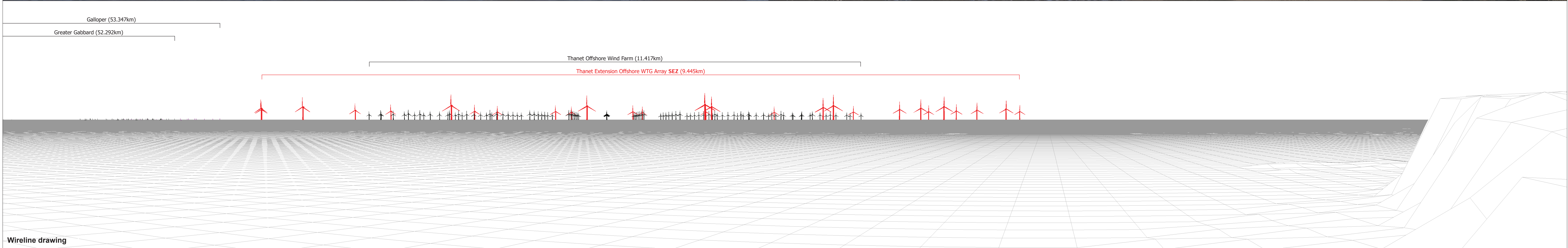
OS reference:	639543 E 170624 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	16.57 m AOD	Principal distance:	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	75°			Camera height:	1.5 m AGL
Nearest turbine:	8.670 km			Date and time:	15/08/16, 17:45

Figure: 12.30c
Viewpoint 4: Kingsgate/North Foreland, Coastal Path



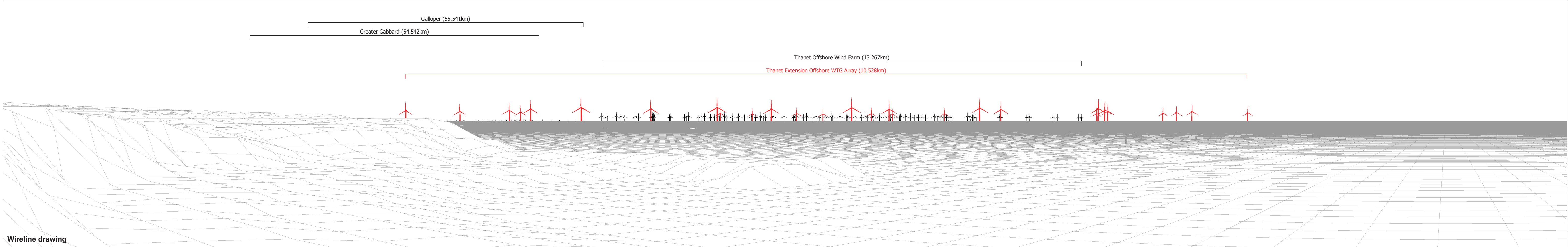
Baseline photograph

This image provides landscape and visual context only



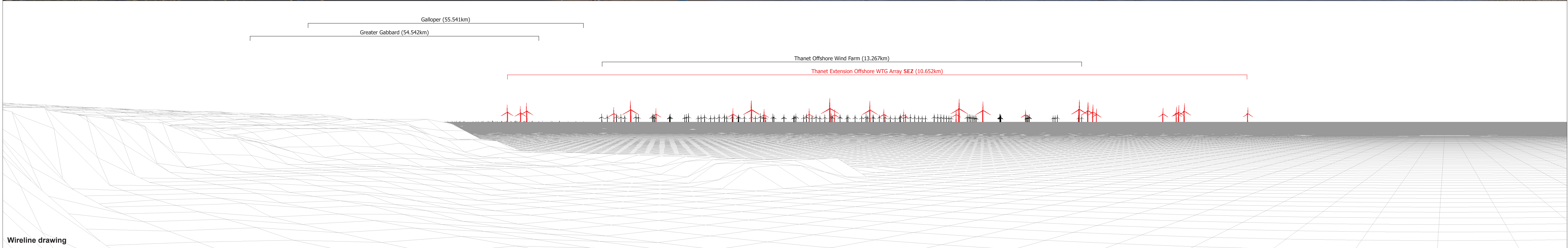
Wireline drawing

OS reference:	639543 E 170624 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II	Figure: 12.30c SEZ Viewpoint 4: Kingsgate/North Foreland, Coastal Path
Eye level:	16.57 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)	
Direction of view:	75°			Camera height:	1.5 m AGL	
Nearest turbine:	9.445 km			Date and time:	15/08/16, 17:45	



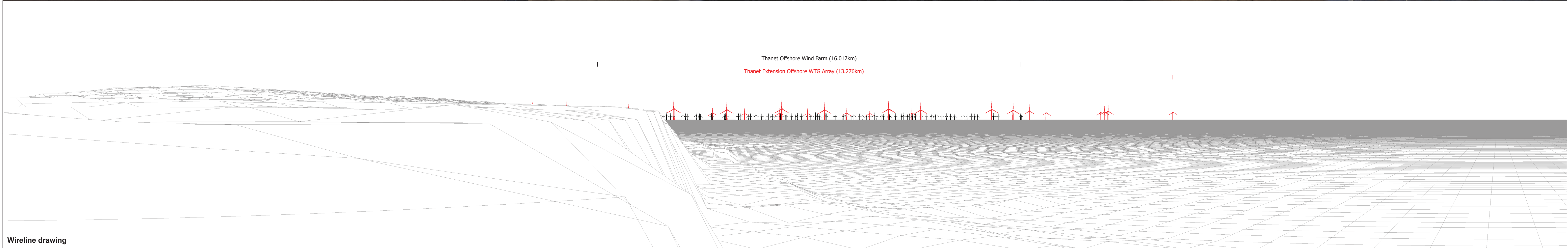
OS reference: 639760 E 167619 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 15.75 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 52°		Camera height: 1.5 m AGL
Nearest turbine: 10.528 km		Date and time: 15/08/16, 18:18

Figure: 12.31b
Viewpoint 5: Broadstairs Promenade



OS reference: 639760 E 167619 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 15.75 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 52°		Camera height: 1.5 m AGL
Nearest turbine: 10.625 km		Date and time: 15/08/16, 18:18

Figure: 12.31b SEZ
Viewpoint 5: Broadstairs Promenade



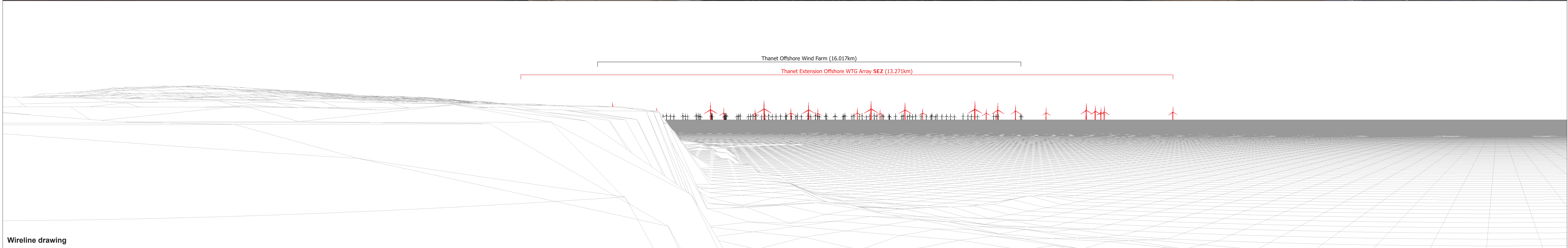
OS reference: 638610 E 164878 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 23.25 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 49°		Camera height: 1.5 m AGL
Nearest turbine: 13.276 km		Date and time: 15/08/16, 18:46

Figure: 12.32b
Viewpoint 6: Wellington Crescent, Ramsgate



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

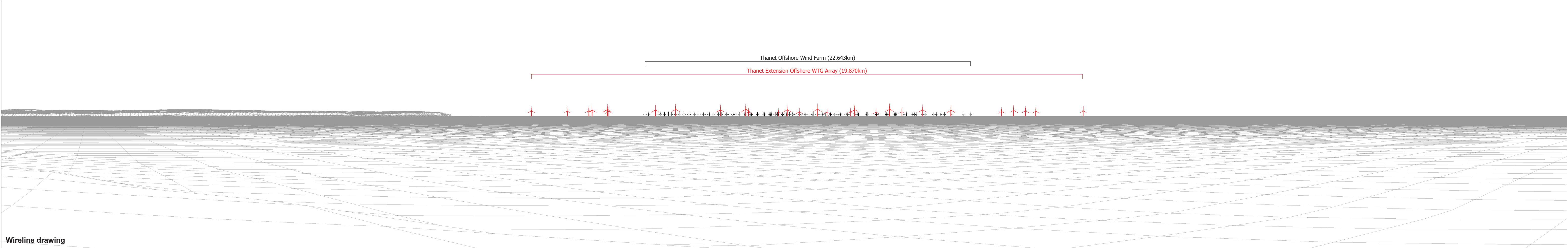
OS reference: 638610 E 164878 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 23.25 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 49°		Camera height: 1.5 m AGL
Nearest turbine: 13.271 km		Date and time: 15/08/16, 18:46

Figure: 12.32b SEZ
Viewpoint 6: Wellington Crescent, Ramsgate



Baseline photograph

This image provides landscape and visual context only



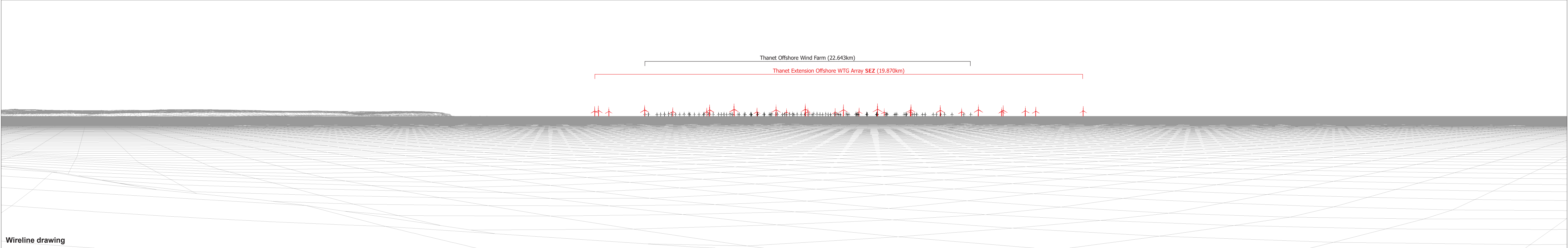
Wireline drawing

<p>OS reference: 636322 E 157784 N Eye level: 7.57 m AOD Direction of view: 40° Nearest turbine: 19.870 km</p>	<p>Horizontal field of view: 90° (cylindrical projection) Principal distance: 522 mm</p>	<p>Camera: Canon EOS 6D Lens: 50mm (Canon EF 50mm f/1.4) Camera height: 1.5 m AGL Date and time: 15/06/17, 15:21</p>	<p>Figure: 12.34b Viewpoint 8: Kings Avenue/Princes Drive, Sandwich Bay Estate</p>
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Baseline photograph

This image provides landscape and visual context only



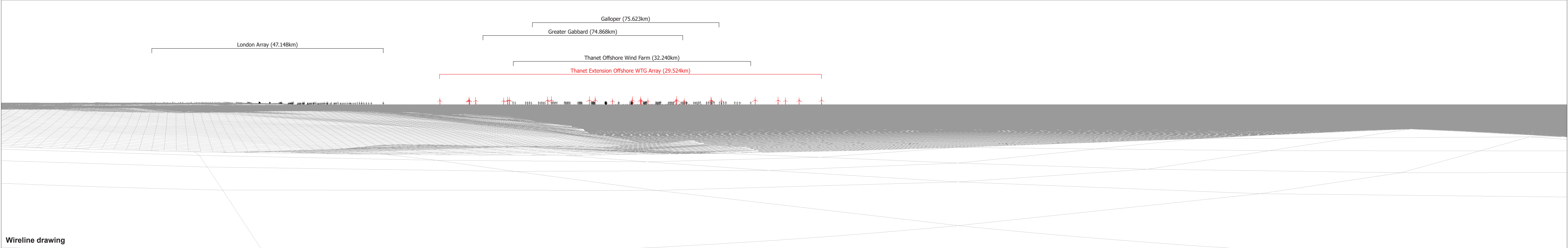
Wireline drawing

<p>OS reference: 636322 E 157784 N Eye level: 7.57 m AOD Direction of view: 40° Nearest turbine: 19.870 km</p>	<p>Horizontal field of view: 90° (cylindrical projection) Principal distance: 522 mm</p>	<p>Camera: Canon EOS 6D Lens: 50mm (Canon EF 50mm f/1.4) Camera height: 1.5 m AGL Date and time: 15/06/17, 15:21</p>	<p>Figure: 12.34b SEZ Viewpoint 8: Kings Avenue/Princes Drive, Sandwich Bay Estate</p>
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Baseline photograph

This image provides landscape and visual context only



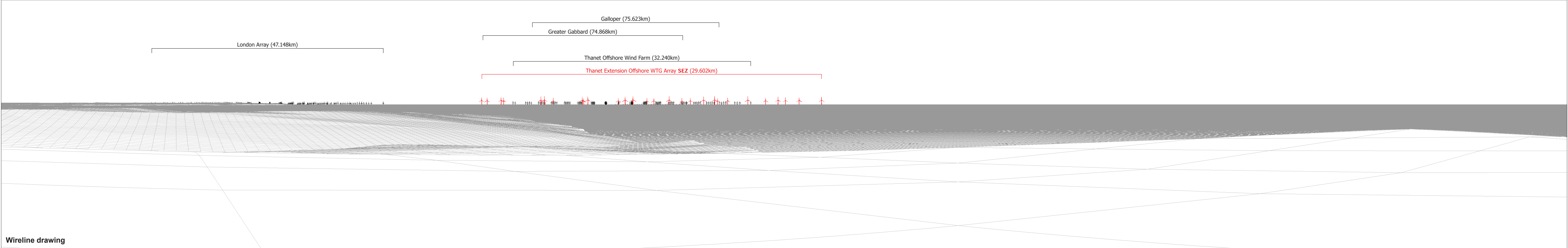
Wireline drawing

OS reference:	637339 E 145209 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D	Figure: 12.36c Viewpoint 10: St. Margaret's at Cliffe (Coastguard Memorial)
Eye level:	86.58 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)	
Direction of view:	35°			Camera height:	1.5 m AGL	
Nearest turbine:	29.524 km			Date and time:	12/09/16, 16:27	



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

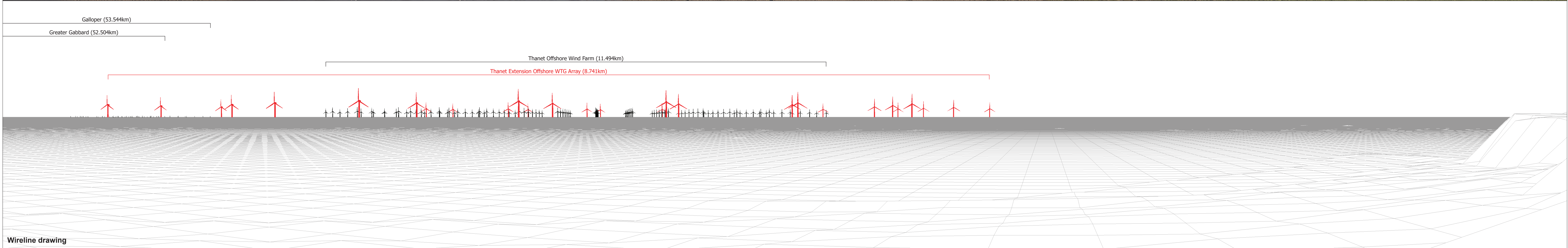
OS reference: 637339 E 145209 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 86.58 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 35°		Camera height: 1.5 m AGL
Nearest turbine: 29.602 km		Date and time: 12/09/16, 16:27

Figure: 12.36c SEZ
Viewpoint 10: St. Margaret's at Cliffe (Coastguard Memorial)



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

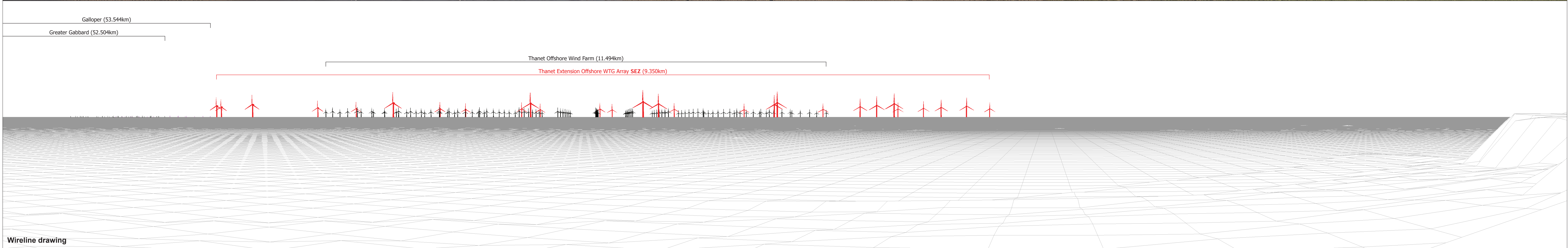
OS reference:	639844 E 170115 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	14.58 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	75°			Camera height:	1.5 m AGL
Nearest turbine:	8.741 km			Date and time:	30/05/17, 19:52

Figure: 12.37c
Viewpoint 11: Joss Bay / North Foreland



Baseline photograph

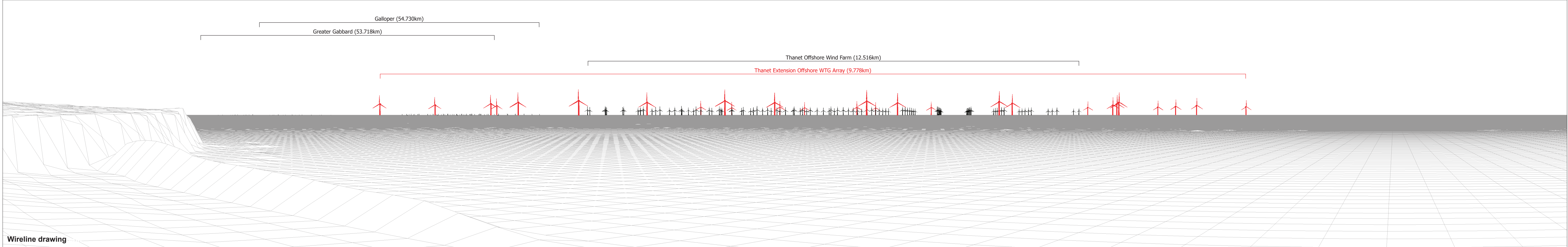
This image provides landscape and visual context only



Wireline drawing

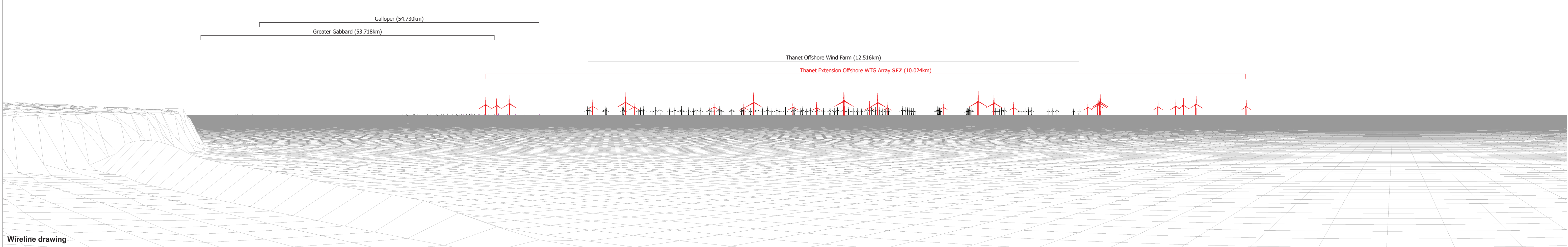
OS reference: 639844 E 170115 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 14.58 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 75°		Camera height: 1.5 m AGL
Nearest turbine: 9.350 km		Date and time: 30/05/17, 19:52

Figure: 12.37c SEZ
Viewpoint 11: Joss Bay / North Foreland



OS reference: 639904 E 168539 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 19.76 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 55°		Camera height: 1.5 m AGL
Nearest turbine: 9.778 km		Date and time: 30/05/17, 20:02

Figure: 12.38b
Viewpoint 12: Stone Bay



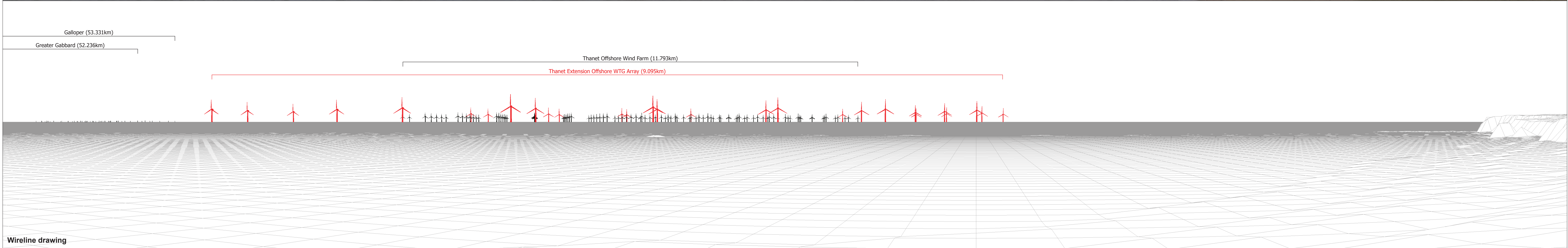
OS reference:	639904 E 168539 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	19.76 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	55°			Camera height:	1.5 m AGL
Nearest turbine:	10.024 km			Date and time:	30/05/17, 20:02

**Figure: 12.38b SEZ
Viewpoint 12: Stone Bay**



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

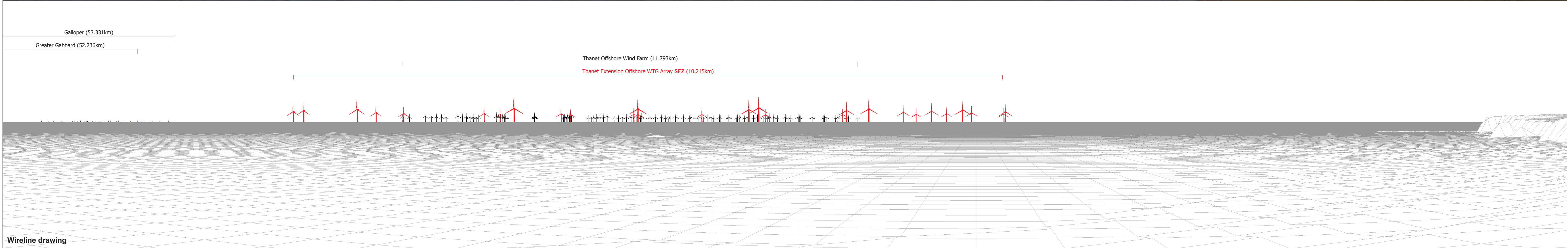
OS reference: 638468 E 171580 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 15.5 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 79°		Camera height: 1.5 m AGL
Nearest turbine: 9.095 km		Date and time: 30/05/17, 17:06

Figure: 12.39c
Viewpoint 13: Foreness Point / Palm Bay



Baseline photograph

This image provides landscape and visual context only



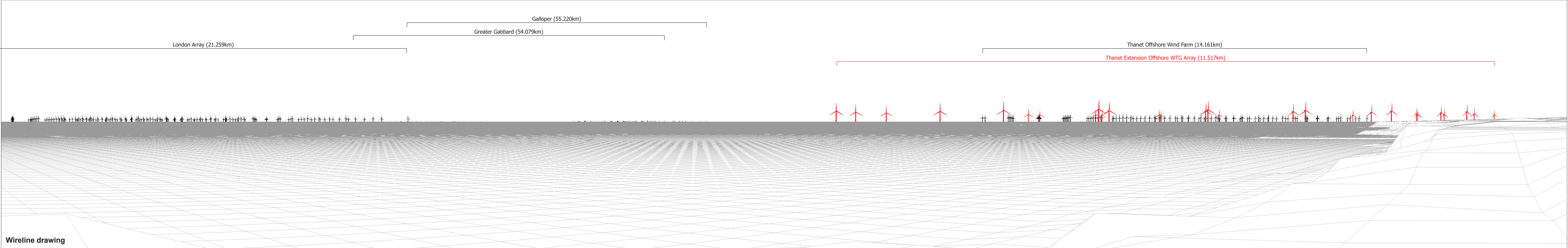
Wireline drawing

OS reference:	638468 E 171580 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D	Figure: 12.39c SEZ Viewpoint 13: Foreness Point / Palm Bay
Eye level:	15.5 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)	
Direction of view:	79°			Camera height:	1.5 m AGL	
Nearest turbine:	10.215 km			Date and time:	30/05/17, 17:06	



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

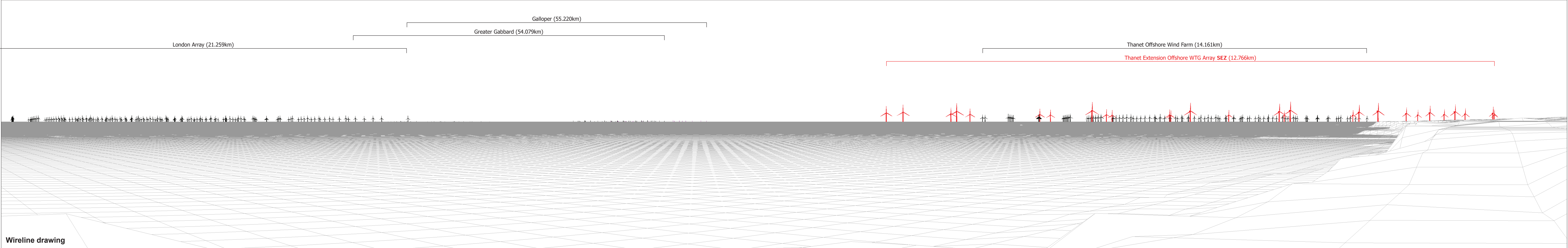
OS reference:	635906 E 171374 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	17.48 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	50°			Camera height:	1.5 m AGL
Nearest turbine:	11.517 km			Date and time:	30/05/17, 16:36

Figure: 12.40c
Viewpoint 14: Walpole Bay (Margate)



Baseline photograph

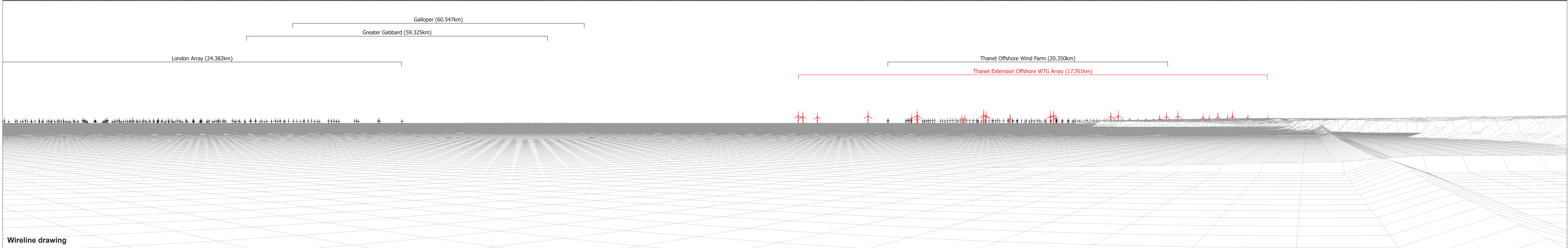
This image provides landscape and visual context only



Wireline drawing

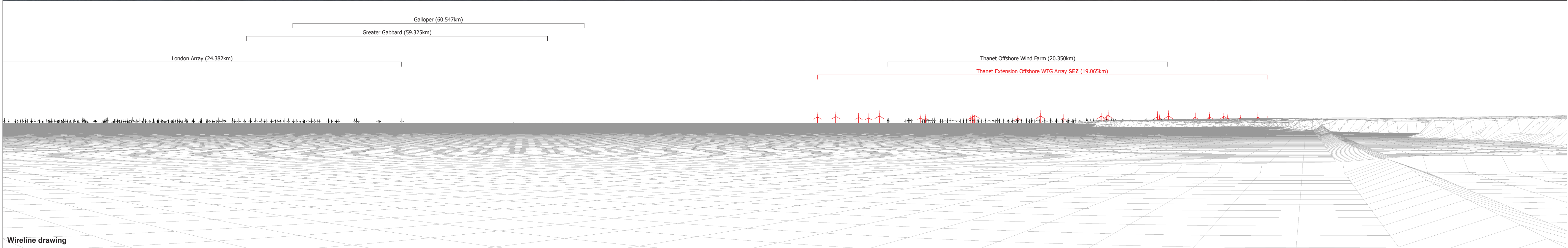
OS reference: 635906 E 171374 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 17.48 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 50°		Camera height: 1.5 m AGL
Nearest turbine: 12.766 km		Date and time: 30/05/17, 16:36

Figure: 12.40c SEZ
Viewpoint 14: Walpole Bay (Margate)



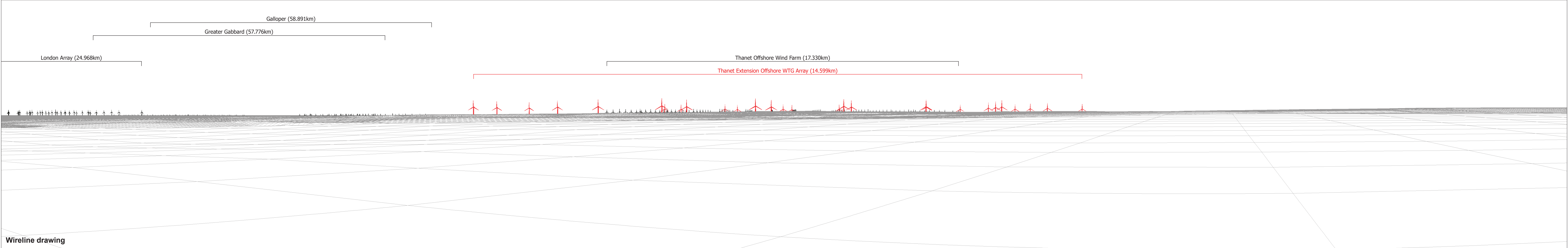
OS reference:	629753 E 170019 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	12.30 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	60°			Camera height:	1.5 m AGL
Nearest turbine:	17.761 km			Date and time:	30/05/17, 16:02

Figure: 12.41c
Viewpoint 15: Birchington on Sea



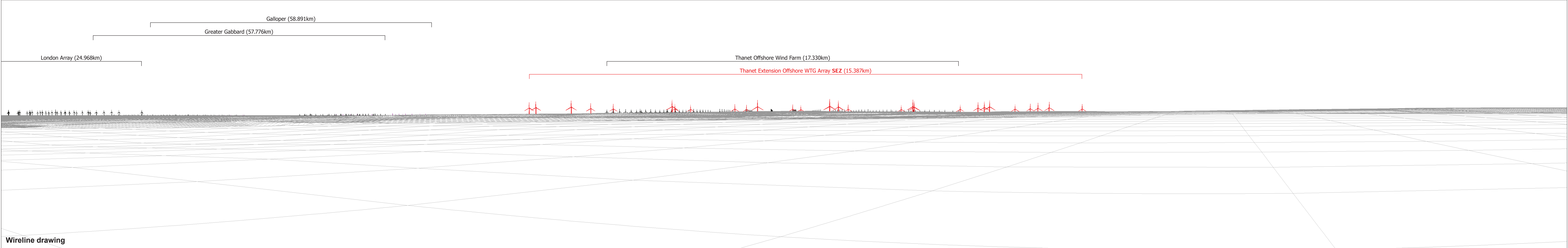
OS reference: 629753 E 170019 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 12.30 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 60°		Camera height: 1.5 m AGL
Nearest turbine: 19.065 km		Date and time: 30/05/17, 16:02

Figure: 12.41c SEZ
Viewpoint 15: Birchington on Sea



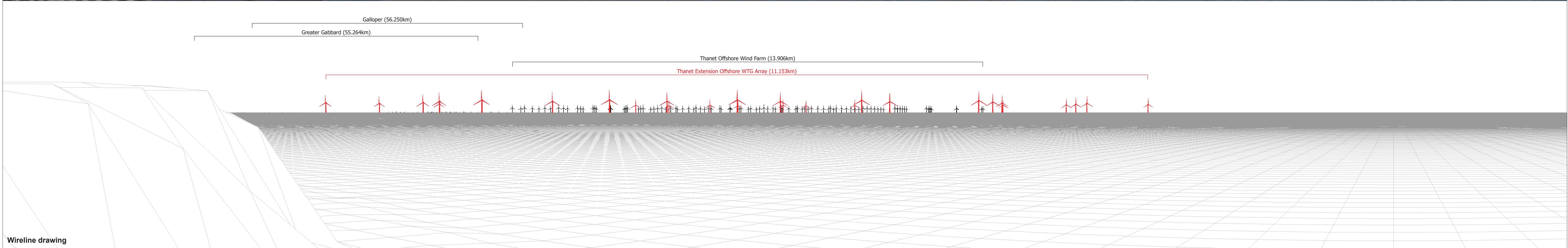
OS reference: 634213 E 167932 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 43 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 65°		Camera height: 1.5 m AGL
Nearest turbine: 14.599 km		Date and time: 05/07/17, 10:13

Figure: 12.42c
Viewpoint 16: Isle of Thanet, Mansons Road near PRoW



OS reference: 634213 E 167932 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 43 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 65°		Camera height: 1.5 m AGL
Nearest turbine: 15.387 km		Date and time: 05/07/17, 10:13

Figure: 12.42c SEZ
Viewpoint 16: Isle of Thanet, Mansons Road near
PRoW



OS reference: 639724 E 166750 N
Eye level: 19.1 m AOD
Direction of view: 55°
Nearest turbine: 11.153 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm

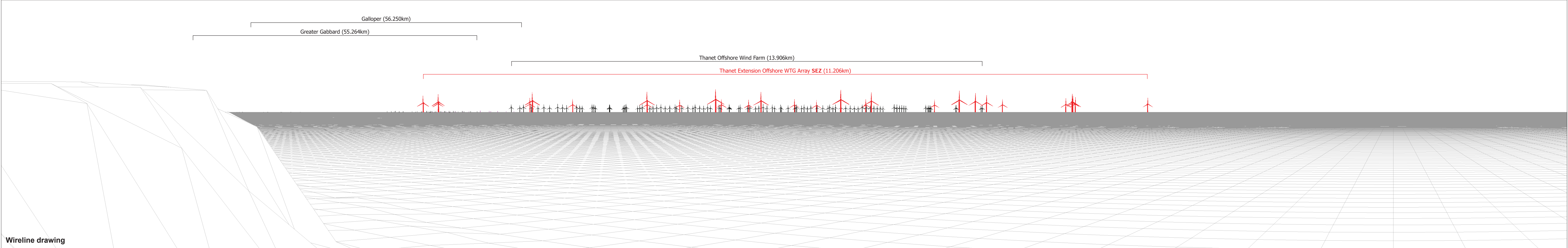
Camera: Canon EOS 6D
Lens: 50mm (Canon EF 50mm f/1.4)
Camera height: 1.5 m AGL
Date and time: 01/06/17, 17:31

Figure: 12.43b
Viewpoint 17: Broadstairs, Dumpton Gap



Baseline photograph

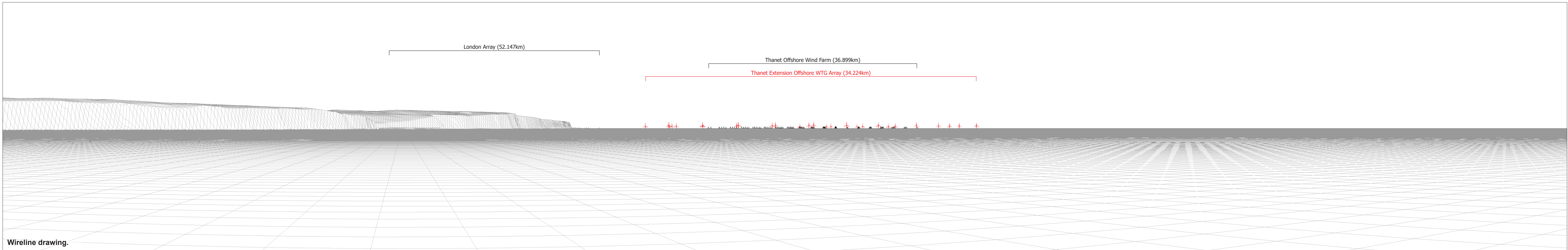
This image provides landscape and visual context only



Wireline drawing

OS reference: 639724 E 166750 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 19.1 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 55°		Camera height: 1.5 m AGL
Nearest turbine: 11.206 km		Date and time: 01/06/17, 17:31

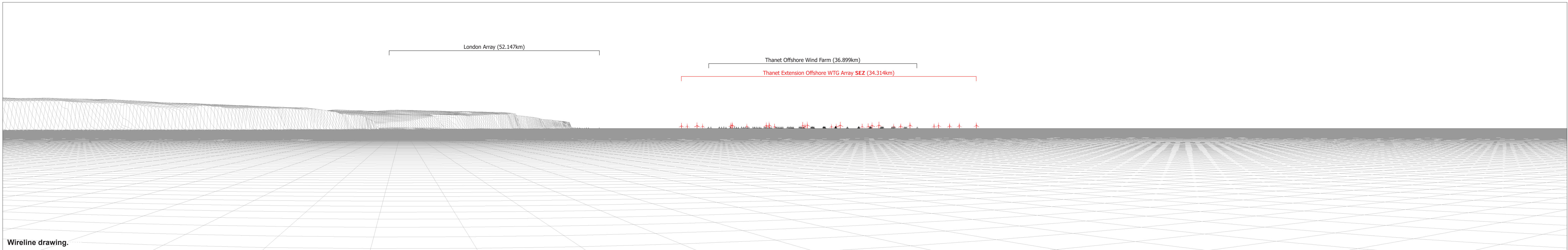
Figure: 12.43b SEZ
Viewpoint 17: Broadstairs, Dumpton Gap



Wireline drawing.
OS reference: 636893 E 140226 N
Eye level: 11.5 m AOD
Direction of view: 22°
Nearest turbine: 34.224 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm

Annex A-2: Wireline visualisation
Viewpoint 1 Calais-Dover Ferry Route

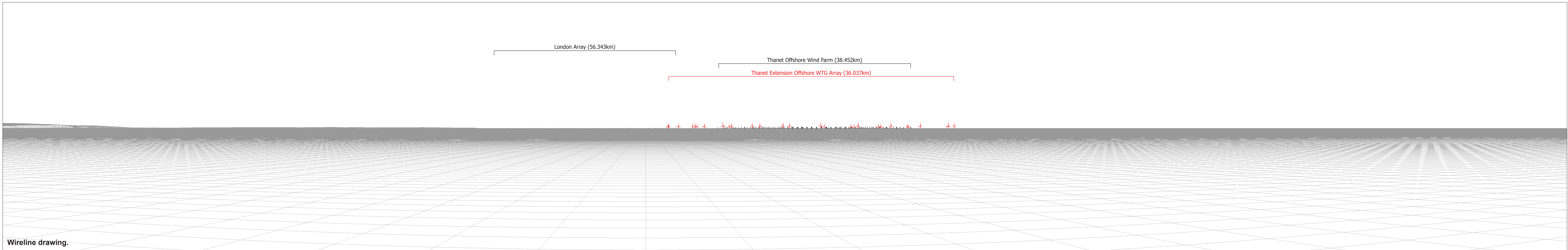


Wireline drawing.

OS reference: 636893 E 140226 N
 Eye level: 11.5 m AOD
 Direction of view: 22°
 Nearest turbine: 34.314 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

Annex A-2: SEZ Wireline visualisation
 Viewpoint 1 Calais-Dover Ferry Route

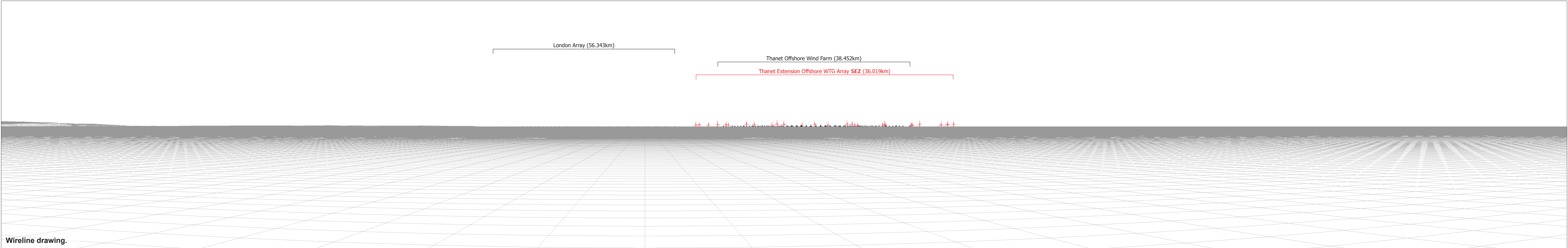


Wireline drawing.

OS reference: 645680 E 135877 N
 Eye level: 11.5 m AOD
 Direction of view: 8°
 Nearest turbine: 36.037 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

Annex A-2: Wireline visualisation
 Viewpoint 2 Calais-Dover Ferry Route



Wireline drawing.

OS reference: 645680 E 135877 N
Eye level: 11.5 m AOD
Direction of view: 8°
Nearest turbine: 36.019 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm

Annex A-2: SEZ Wireline visualisation
Viewpoint 2 Calais-Dover Ferry Route