

Vattenfall Wind Power Ltd

Thanet Extension Offshore Wind Farm

Environmental Statement

Volume 6

Annex 12-2-1: SLVIA Photomontages



Vattenfall Wind Power Ltd
Thanet Extension Offshore Wind Farm
Volume 6
Annex 12-2-1: SLVIA Photomontages
June 2018

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Date of Approval	June 2018
Revision	A

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ES Volume 6: SLVIA Figures and Visualisations - Contents

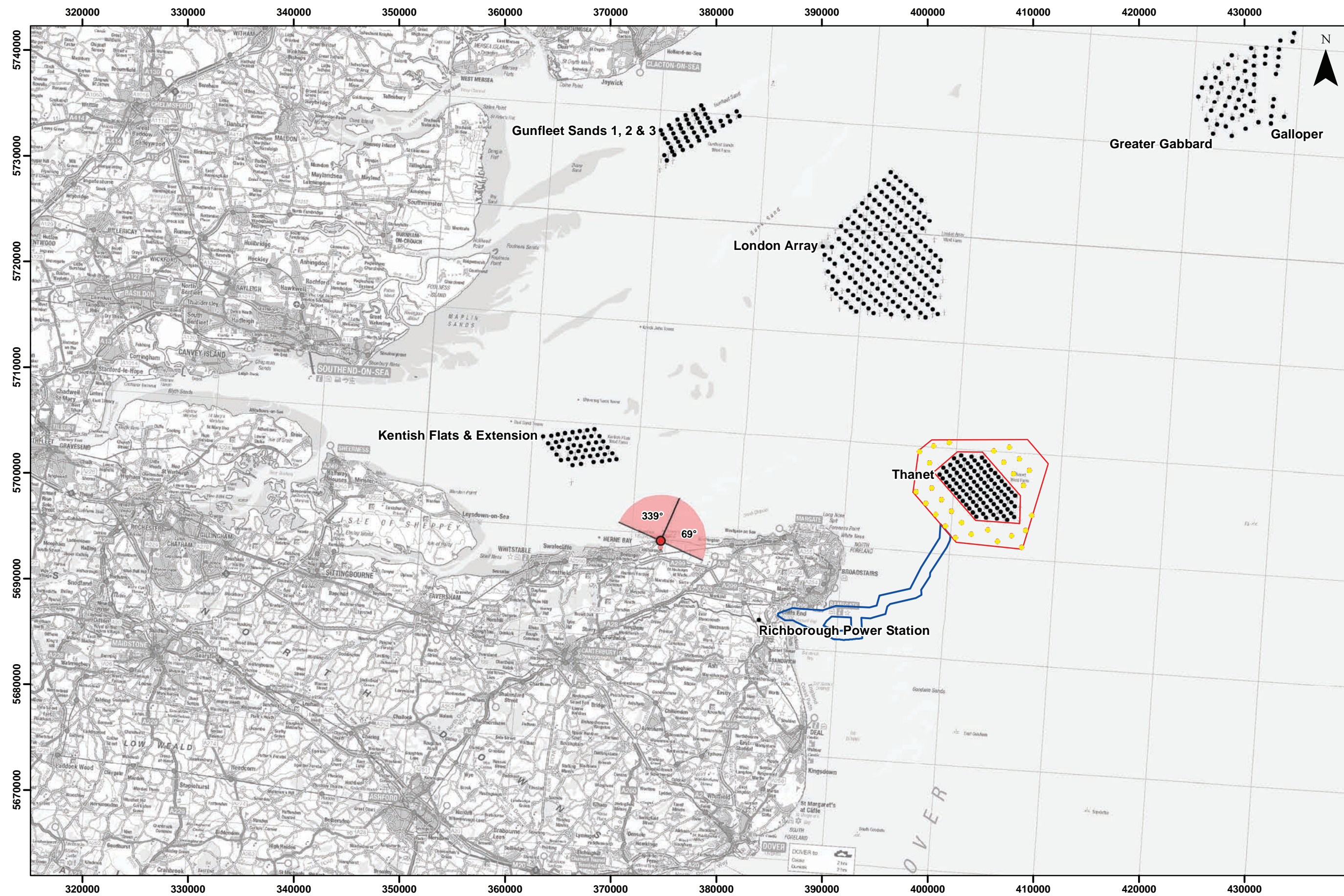
Visual Representations (Photomontages)

- 12.27 Viewpoint 1 Reculver Country Park, Thanet Coastal Path
 - 12.27a Viewpoint Location Plan
 - 12.27b & c Baseline Panorama and Wireline (90°)
 - 12.27d Wireline (53.5°)
 - 12.27e Photomontage (53.5°)
- 12.28 Viewpoint 2 West Brook POS (Margate)/Thanet Coastal Path
 - 12.28a Viewpoint Location Plan
 - 12.28b & c Baseline Panorama and Wireline (90°)
 - 12.28d Wireline (53.5°)
 - 12.28e Photomontage (53.5°)
 - 12.28f Wireline 28 x 12MW Perimeter Layout
 - 12.28g Wireline 34 x 10MW Layout
- 12.29 Viewpoint 3 Margate Harbour Wall (Turner Arts Gallery)
 - 12.29a Viewpoint Location Plan
 - 12.29b & c Baseline Panorama and Wireline (90°)
 - 12.29d Wireline (53.5°)
 - 12.29e Photomontage (53.5°)
 - 12.29f Wireline 28 x 12MW Perimeter Layout
 - 12.29g Wireline 34 x 10MW Layout
- 12.30 Viewpoint 4 Kingsgate/North Foreland, Coastal Path
 - 12.30a Viewpoint Location Plan
 - 12.30b & c Baseline Panorama and Wireline (90°)
 - 12.30d & e Night-time Baseline Panorama and Wireline (90°)
 - 12.30f Wireline (53.5°)
 - 12.30g Photomontage (53.5°)
 - 12.30h Night-time Photomontage (53.5°)
 - 12.30i Wireline 28 x 12MW Perimeter Layout
 - 12.30j Wireline 34 x 10MW Layout
- 12.31 Viewpoint 5 Broadstairs Promenade
 - 12.31a Viewpoint Location Plan
 - 12.31b & c Baseline Panorama and Wireline (90°)
 - 12.31d Wireline (53.5°)
 - 12.31e Photomontage (53.5°)
 - 12.31f Wireline 28 x 12MW Perimeter Layout
 - 12.31g Wireline 34 x 10MW Layout
- 12.32 Viewpoint 6 Wellington Crescent, Ramsgate
 - 12.32a Viewpoint Location Plan
 - 12.32b & c Baseline Panorama and Wireline (90°)
 - 12.32d & e Night-time Baseline Panorama and Wireline (90°)
 - 12.32f Wireline (53.5°)
 - 12.32g Photomontage (53.5°)
 - 12.32h Night-time Photomontage (53.5°)
 - 12.32i Wireline 28 x 12MW Perimeter Layout
 - 12.32j Wireline 34 x 10MW Layout
- 12.33 Viewpoint 7 Deal Pier/Promenade
 - 12.33a Viewpoint Location Plan
 - 12.33b & c Baseline Panorama and Wireline (90°)
- 12.34 Viewpoint 8 Kings Avenue/Princes Drive, Sandwich Bay Estate
 - 12.34a Viewpoint Location Plan
 - 12.34b & c Baseline Panorama and Wireline (90°)
 - 12.34d Wireline (53.5°)
 - 12.34e Photomontage (53.5°)
 - 12.34f Wireline 28 x 12MW Perimeter Layout
 - 12.34g Wireline 34 x 10MW Layout

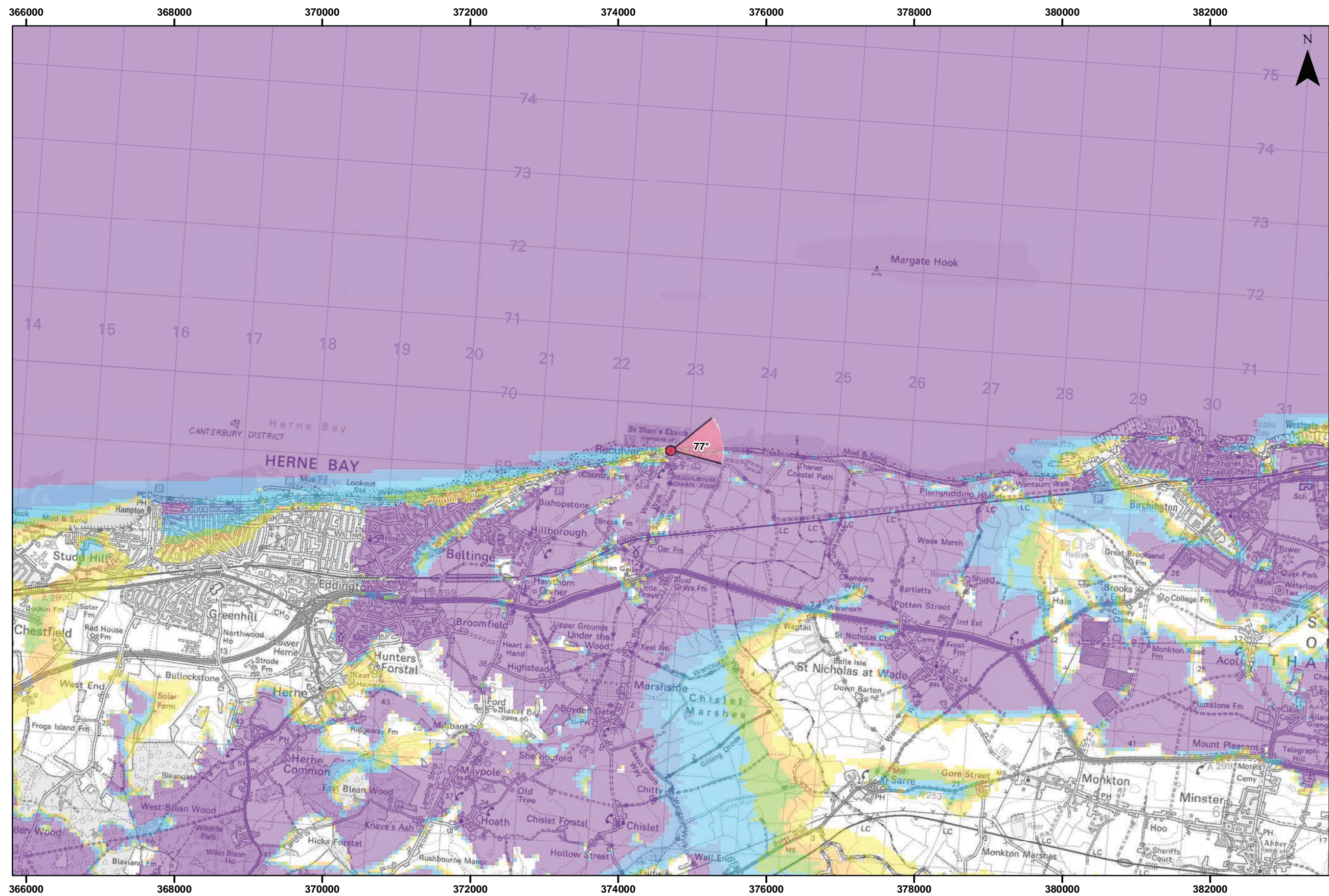
- 12.35 Viewpoint 9 Richborough Castle
 - 12.35a Viewpoint Location Plan
 - 12.35b & c Baseline Panorama and Wireline (90°)
- 12.36 Viewpoint 10 St. Margaret's at Cliffe (Coastguard Memorial)
 - 12.36a Viewpoint Location Plan
 - 12.36b & c Baseline Panorama and Wireline (90°)
- 12.37 Viewpoint 11 Joss Bay/North Foreland
 - 12.37a Viewpoint Location Plan
 - 12.37b & c Baseline Panorama and Wireline (90°)
 - 12.37d Wireline (53.5°)
 - 12.37e Photomontage (53.5°)
 - 12.37f Wireline 28 x 12MW Perimeter Layout
 - 12.37g Wireline 34 x 10MW Layout
- 12.38 Viewpoint 12 Stone Bay
 - 12.38a Viewpoint Location Plan
 - 12.38b & c Baseline Panorama and Wireline (90°)
 - 12.38d Wireline (53.5°)
 - 12.38e Photomontage (53.5°)
 - 12.38f Wireline 28 x 12MW Perimeter Layout
 - 12.38g Wireline 34 x 10MW Layout
- 12.39 Viewpoint 13 Foreness Point/Palm Bay
 - 12.39a Viewpoint Location Plan
 - 12.39b & c Baseline Panorama and Wireline (90°)
 - 12.39d Wireline (53.5°)
 - 12.39e Photomontage (53.5°)
 - 12.39f Wireline 28 x 12MW Perimeter Layout
- 12.39g Wireline 34 x 10MW Layout
- 12.40 Viewpoint 14 Walpole Bay (Margate)
 - 12.40a Viewpoint Location Plan
 - 12.40b & c Baseline Panorama and Wireline (90°)
 - 12.40d Wireline (53.5°)
 - 12.40e Photomontage (53.5°)
 - 12.40f Wireline 28 x 12MW Perimeter Layout
 - 12.40g Wireline 34 x 10MW Layout
- 12.41 Viewpoint 15 Birchington-on-sea
 - 12.41a Viewpoint Location Plan
 - 12.41b & c Baseline Panorama and Wireline (90°)
 - 12.41d Wireline (53.5°)
 - 12.41e Photomontage (53.5°)
 - 12.41f Wireline 28 x 12MW Perimeter Layout
 - 12.41g Wireline 34 x 10MW Layout
- 12.42 Viewpoint 16 Manston Road, Isle of Thanet
 - 12.42a Viewpoint Location Plan
 - 12.42b & c Baseline Panorama and Wireline (90°)
 - 12.42d Wireline (53.5°)
 - 12.42e Photomontage (53.5°)
- 12.43 Viewpoint 17 Broadstairs, Dumpton Gap
 - 12.43a Viewpoint Location Plan
 - 12.43b & c Baseline Panorama and Wireline (90°)
 - 12.43d Wireline (53.5°)
 - 12.43e Photomontage (53.5°)
 - 12.43f Wireline 28 x 12MW Perimeter Layout
 - 12.43g Wireline 34 x 10MW Layout

- 12.44 Viewpoint 18 England Coastal Path, Sandwich Flats
 - 12.44a Viewpoint Location Plan
 - 12.44b & c Baseline Panorama and Wireline (90°)
 - 12.44d Wireline (53.5°)
 - 12.44e Photomontage (53.5°)
- 12.45 Viewpoint 19 Betteshanger Country Park
 - 12.45a Viewpoint Location Plan
 - 12.45b & c Baseline Panorama and Wireline (90°)
- 12.46 Viewpoint 20 St Peter’s Church, Sandwich
 - 12.46a Viewpoint Location Plan
 - 12.46b & c Baseline Panorama and Wireline (90°)
- 12.47 Viewpoint 21 Chillenden Mill
 - 12.47a Viewpoint Location Plan
 - 12.47b & c Baseline Panorama and Wireline (90°)
- 12.48 Viewpoint 22 North Downs Way, near Woolage Village
 - 12.48a Viewpoint Location Plan
 - 12.48b & c Baseline Panorama and Wireline (90°)
- 12.49 Viewpoint 23 South Foreland Lighthouse
 - 12.49a Viewpoint Location Plan
 - 12.49b & c Baseline Panorama and Wireline (90°)
- 12.50 Viewpoint 24 Dover Castle
 - 12.50a Viewpoint Location Plan
 - 12.50b Baseline Panorama and Wireline (90°)

- 12.51 Viewpoint 25 Trinity Beacon, Goodwin Sands
 - 12.51a Viewpoint Location Plan
 - 12.51b & c Baseline Panorama and Wireline (90°)
- 12.52 Viewpoint 26 Leysdown-on-Sea/ Warden, Isle of Sheppey
 - 12.52a Viewpoint Location Plan
 - 12.52b Baseline Panorama and Wireline (90°)
- 12.53 Viewpoint 27 Dengie Marshes, Maldon District
 - 12.53a Viewpoint Location Plan
 - 12.53b Baseline Panorama and Wireline (90°)
- 12.54 Viewpoint 28 Clacton-on-sea, Tendring District
 - 12.54a Viewpoint Location Plan
 - 12.54b & c Baseline Panorama and Wireline (90°)
- 12.55 Viewpoint 29 Foulness Island, Rochford District
 - 12.55a Viewpoint Location Plan
 - 12.55b & c Baseline Panorama and Wireline (90°)



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

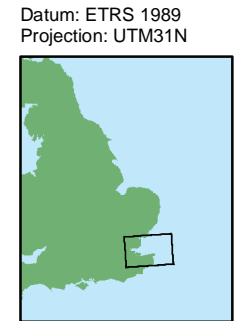
Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

THANET EXTENSION OFFSHORE WIND FARM

Figure 12.27a
Viewpoint:1
Reculver Country Park, Coastal Path

Legend

- Thanet Extension WTG
- ▭ Proposed Offshore Development Boundary
- ▭ Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
- ▼ 90° Field of View
- ▼ 53.5° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28



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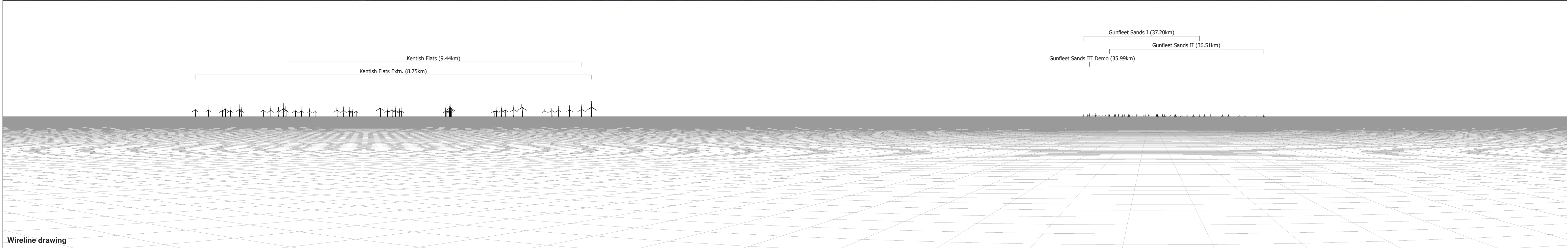
Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.27a
Rev	0.2	Date	
By	JM	Layout	THET2018



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

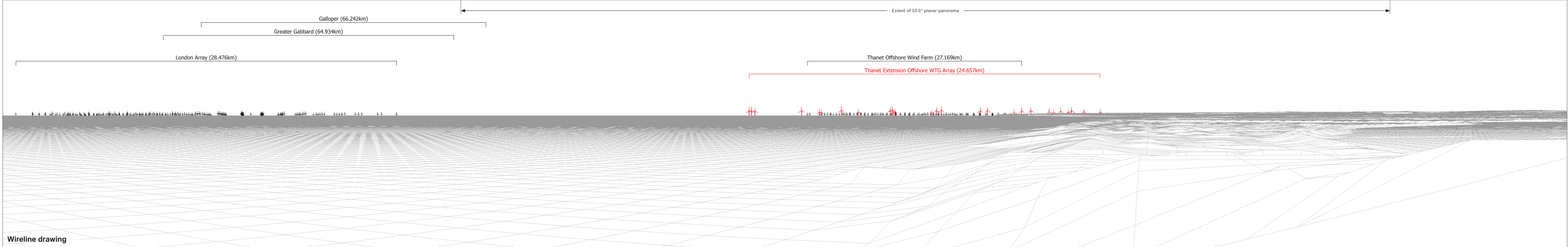
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Eye level: 14.5 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 339°		Camera height: 1.5 m AGL
Nearest turbine: 24.657 km		Date and time: 15/08/16, 14:31

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



Baseline photograph

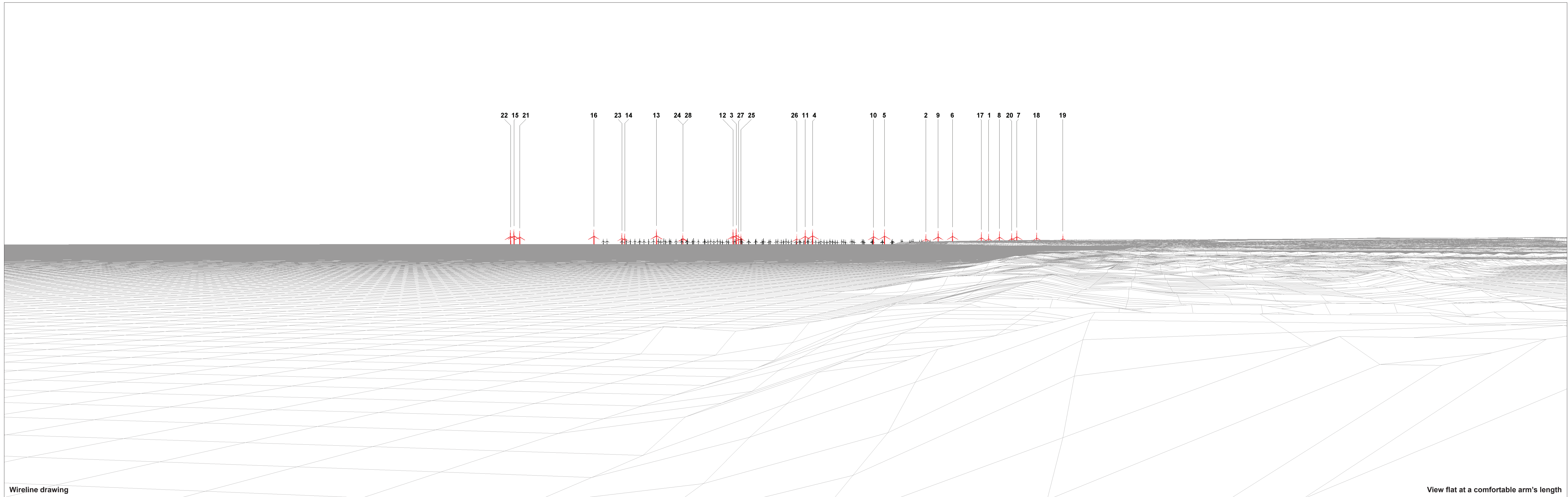
This image provides landscape and visual context only



Wireline drawing

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



Wireline drawing

View flat at a comfortable arm's length

OS reference: 622760 E 169370 N
 Eye level: 14.5 m AOD
 Direction of view: 77°
 Nearest turbine: 24.657 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 5D Mark II
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/08/16, 14:31

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

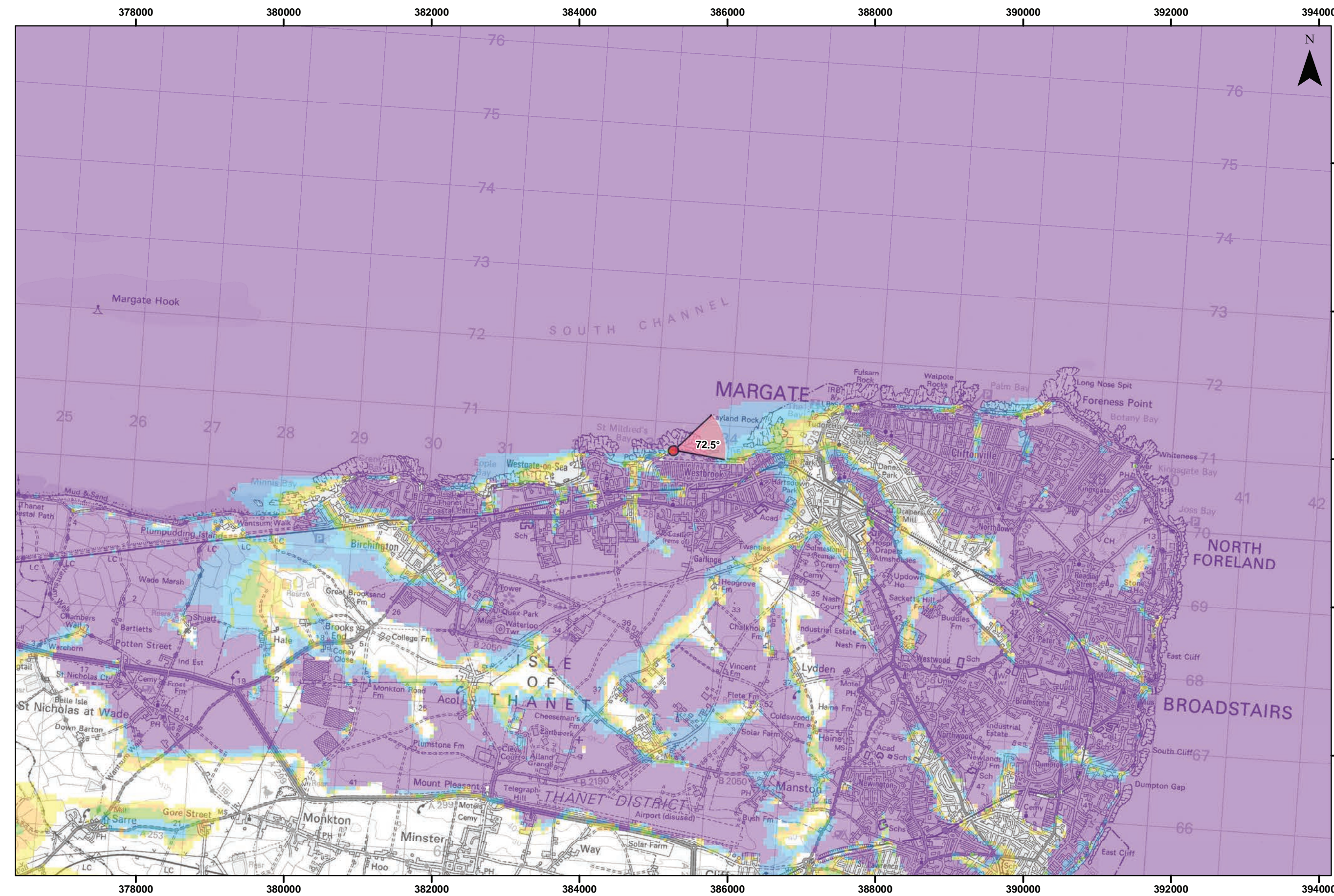
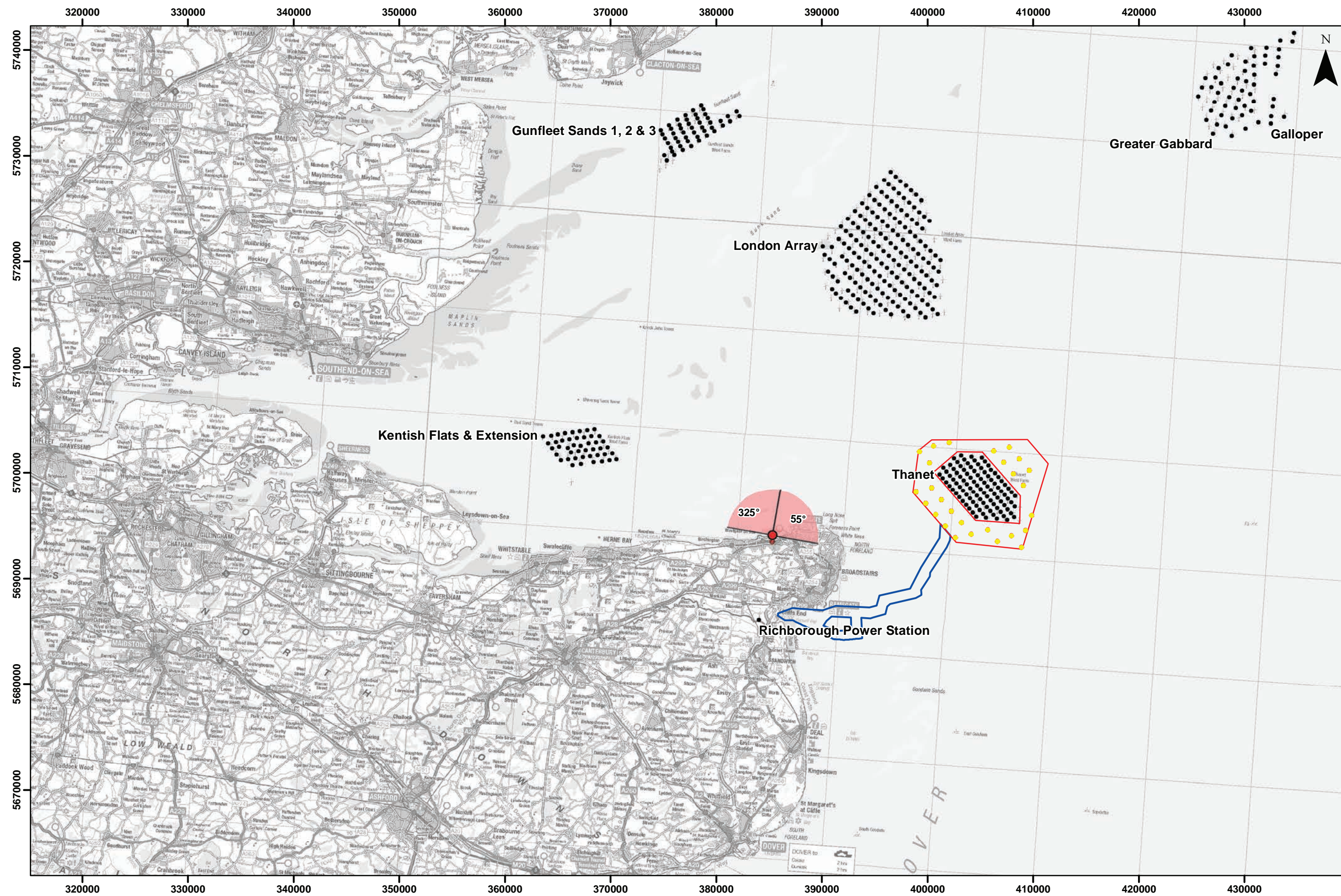


Photomontage (due to weather and light conditions, TOWF has been photomontaged in this view)

View flat at a comfortable arm's length

OS reference:	622760 E 169370 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mark II
Eye level:	14.5 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	77°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Nearest turbine:	24.657 km	Correct printed image size:	820 x 260 mm	Date and time:	15/08/16, 14:31

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



Note:
 1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
 Blade tip height: 250m
 DTM Data: OS Terrain 50
 DTM Resolution: 50m
 Observer height: 1.5m
 No surface features, such as buildings or trees, were included in the analysis.
 Earth curvature and light refraction has been included in calculations.
 2. Contains OS data © Crown copyright and database right 2018

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THANET EXTENSION OFFSHORE WIND FARM

Figure 12.28a
Viewpoint:2
Westbrook, Margate, Coastal Path

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989
Projection: UTM31N

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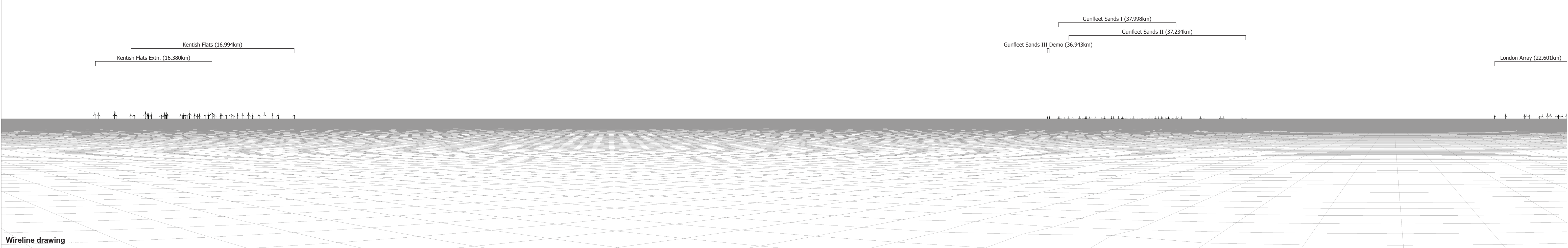
Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.28a
Rev	0.2	Date	
By	JM	Layout	THET2018



Baseline photograph

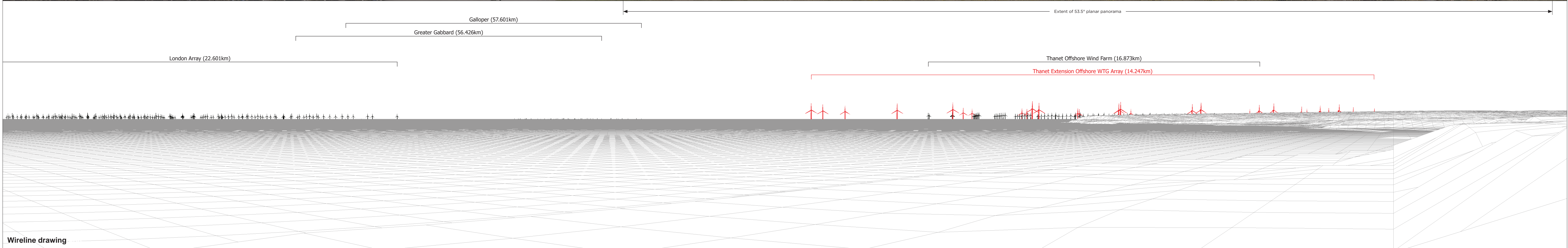
This image provides landscape and visual context only



Wireline drawing

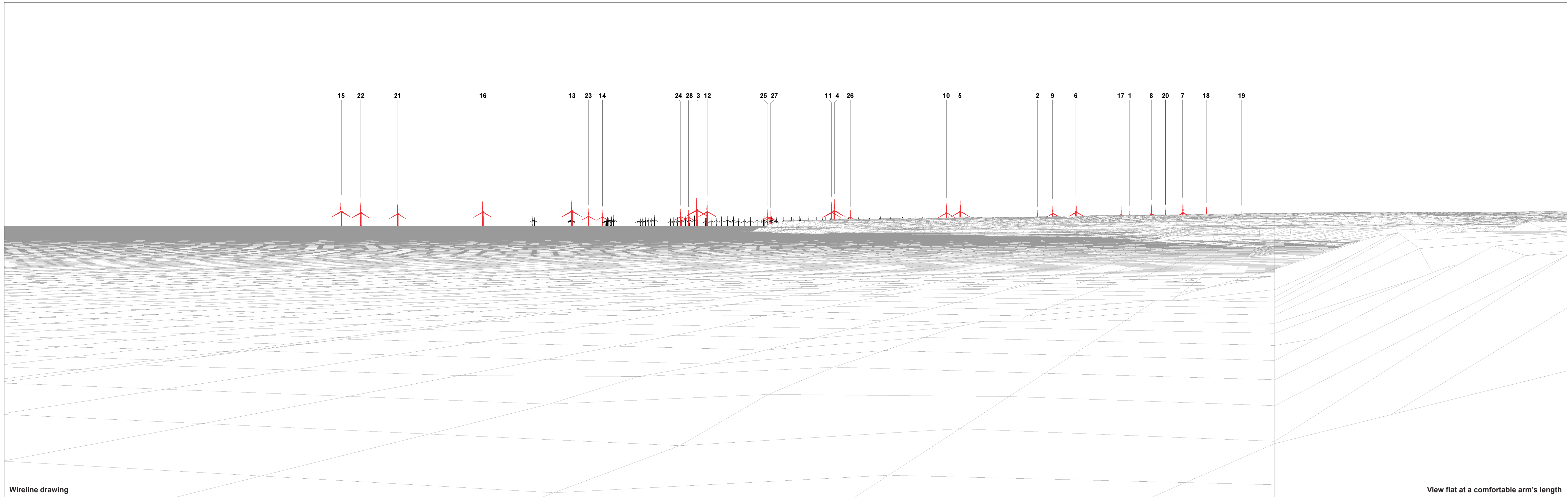
OS reference:	633269 E 170620 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	12.85 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	325°			Camera height:	1.5 m AGL
Nearest turbine:	14.247 km			Date and time:	15/08/16, 15:49

Figure: 12.28b
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:	14.247 km			Date and time:	15/08/16, 15:49

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



Wireline drawing

View flat at a comfortable arm's length

OS reference: 633269 E 170620 N
 Eye level: 12.85 m AOD
 Direction of view: 72.5°
 Nearest turbine: 14.247 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 5D Mark II
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/08/16, 15:49

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



Photomontage

View flat at a comfortable arm's length

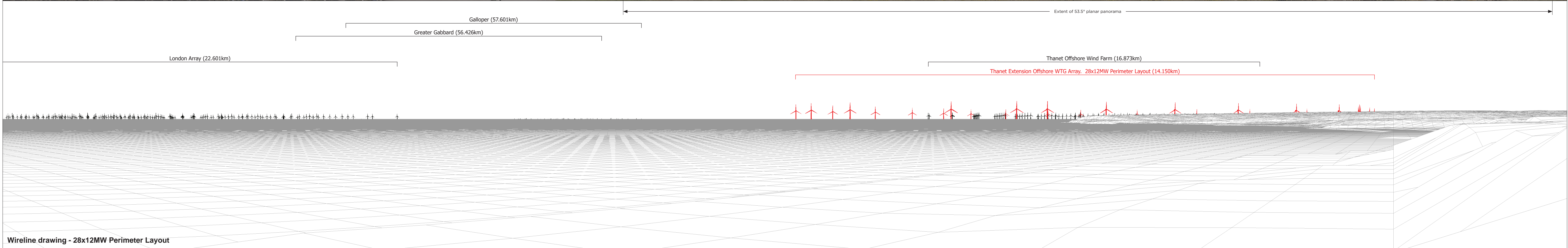
OS reference:	633269 E 170620 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mark II
Eye level:	12.85 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	72.5°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Nearest turbine:	14.247 km	Correct printed image size:	820 x 260 mm	Date and time:	15/08/16, 15:49

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



Baseline photograph

This image provides landscape and visual context only



Wireline drawing - 28x12MW Perimeter Layout

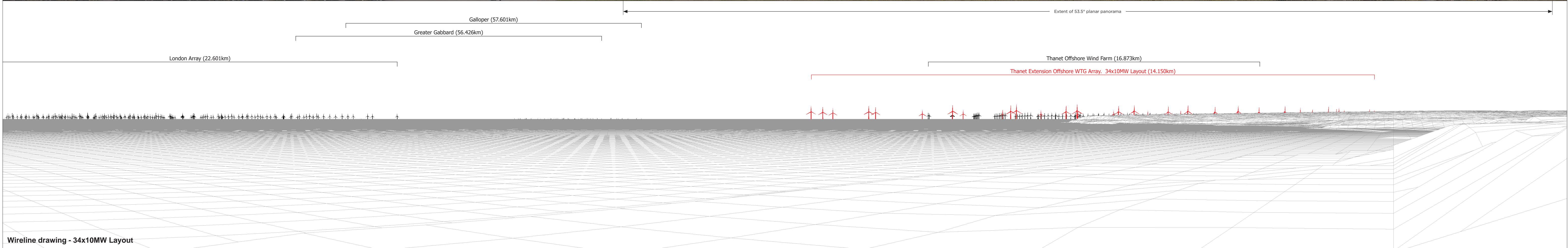
OS reference: 633269 E 170620 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 12.85 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 55°		Camera height: 1.5 m AGL
Nearest turbine: 14.150 km		Date and time: 15/08/16, 15:49

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



Baseline photograph

This image provides landscape and visual context only



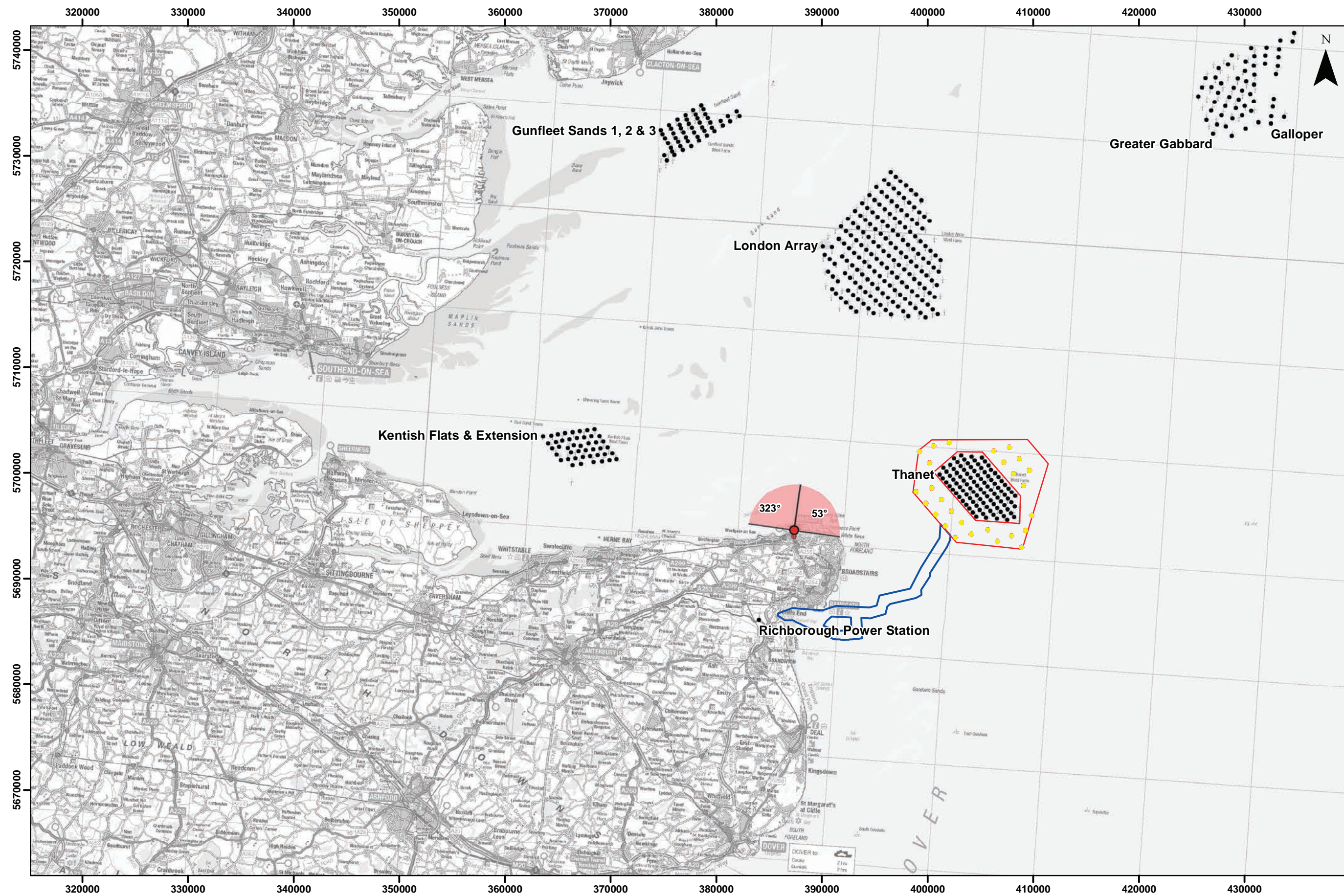
Wireline drawing - 34x10MW Layout

OS reference: 633269 E 170620 N
 Eye level: 12.85 m AOD
 Direction of view: 55°
 Nearest turbine: 14.150 km

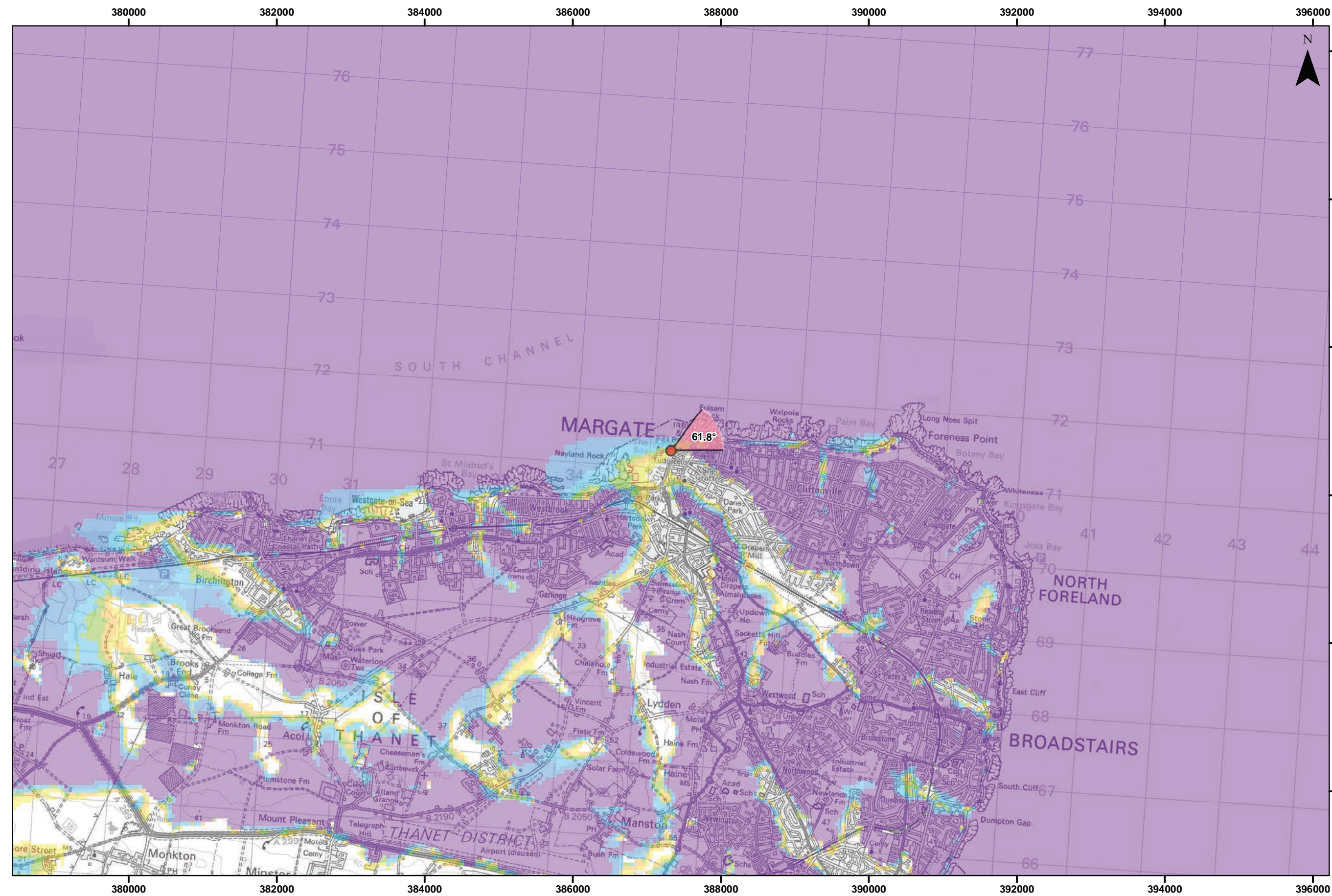
Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

Camera: Canon EOS 5D Mark II
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/08/16, 15:49

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



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
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THANET EXTENSION OFFSHORE WIND FARM

Figure 12.29a
Viewpoint:3
Margate Harbour Wall (Turner Arts Gallery)

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

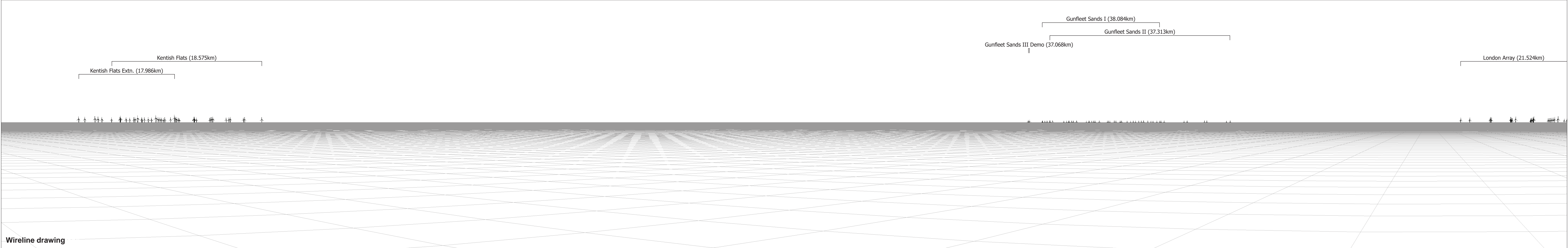
Datum: ETRS 1989
Projection: UTM31N

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Scale AS SHOWN

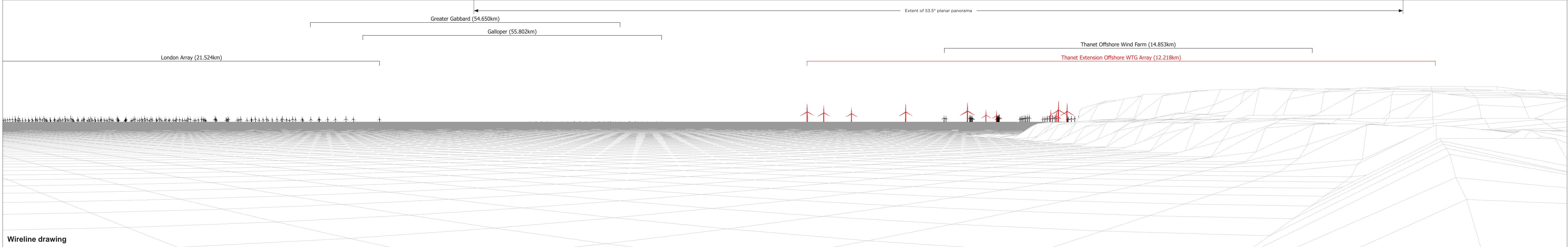
Org No	Ps.	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	05/06/2018
By	JM	Layout	THET2018

Figure 12.29a



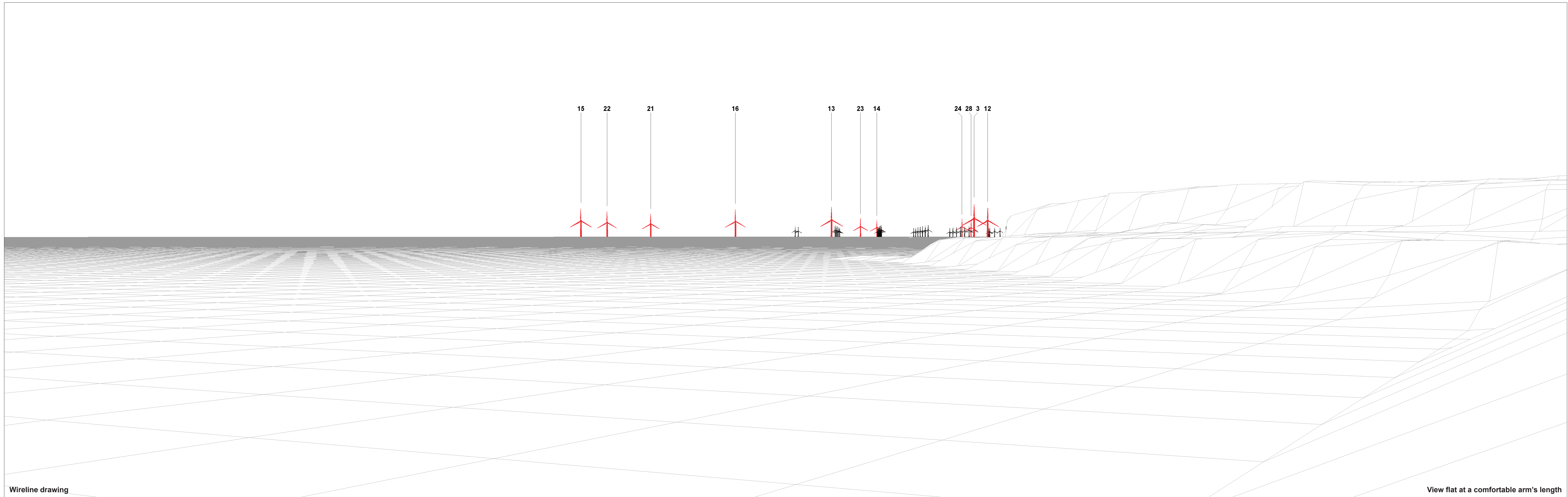
OS reference:	635204 E 171241 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	6.56m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	323°			Camera height:	1.5 m AGL
Nearest turbine:	12.218 km			Date and time:	15/08/16, 16:51

Figure: 12.29b
Viewpoint 3: Margate Harbour Wall (Turner Arts Gallery)



OS reference: 635204 E 171241 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 6.56m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 53°		Camera height: 1.5 m AGL
Nearest turbine: 12.218 km		Date and time: 15/08/16, 16:51

Figure: 12.29c
Viewpoint 3: Margate Harbour Wall (Turner Arts Gallery)



Wireline drawing

View flat at a comfortable arm's length

OS reference: 635204 E 171241 N
Eye level: 6.56m AOD
Direction of view: 61.8°
Nearest turbine: 12.218 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Canon EOS 5D Mark II
Lens: 50mm (Canon EF 50mm f/1.4)
Camera height: 1.5 m AGL
Date and time: 15/08/16, 16:51

Figure: 12.29d
Viewpoint 3: Margate Harbour Wall (Turner Arts Gallery)

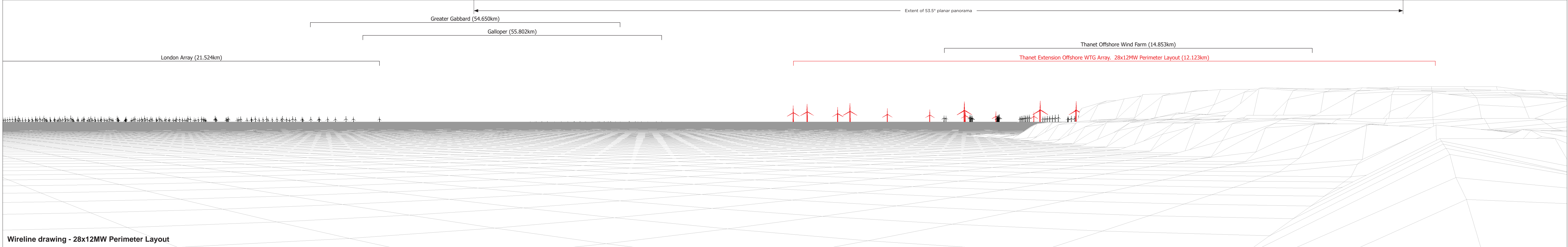


Photomontage

View flat at a comfortable arm's length

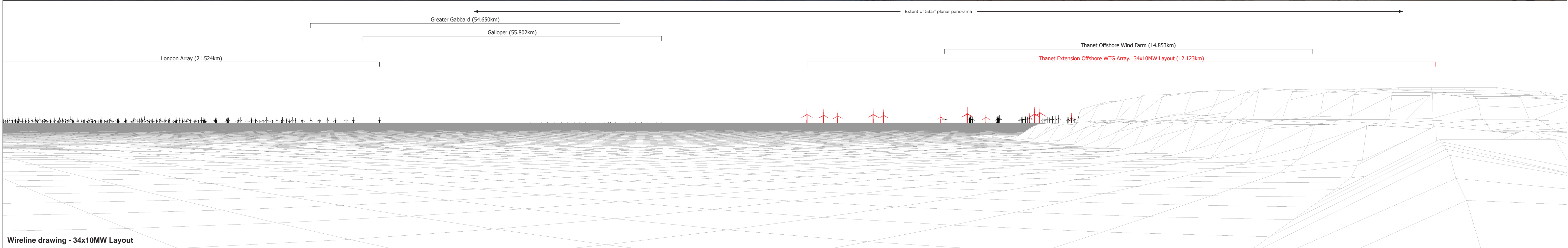
OS reference: 635204 E 171241 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 5D Mark II
Eye level: 6.56m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 61.8°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 12.218 km	Correct printed image size: 820 x 260 mm	Date and time: 15/08/16, 16:51

Figure: 12.29e
Viewpoint 3: Margate Harbour Wall (Turner Arts Gallery)



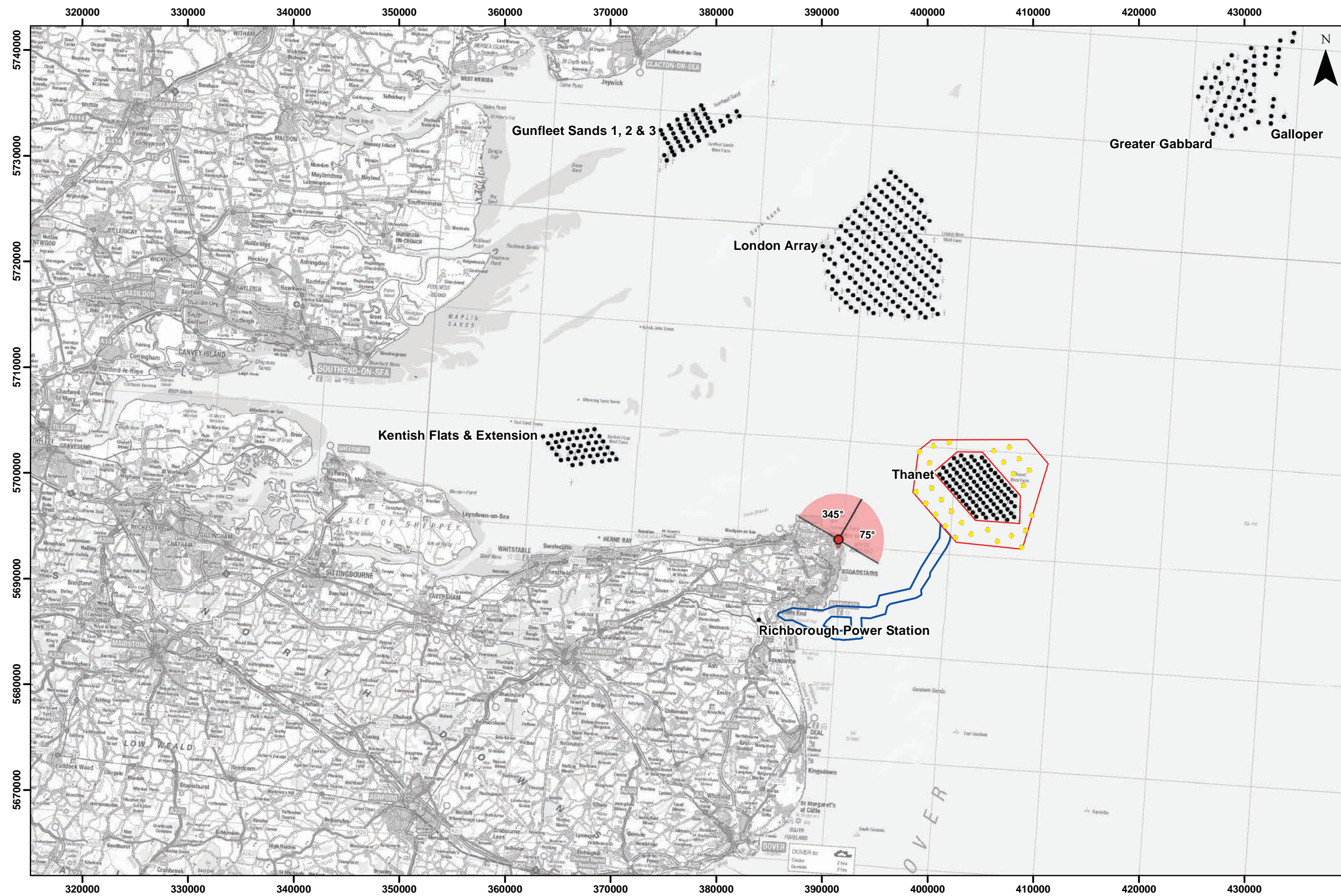
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Eye level:	6.56m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	53°			Camera height:	1.5 m AGL
Nearest turbine:	12.123 km			Date and time:	15/08/16, 16:51

Figure: 12.29f
Viewpoint 3: Margate Harbour Wall (Turner Arts Gallery)

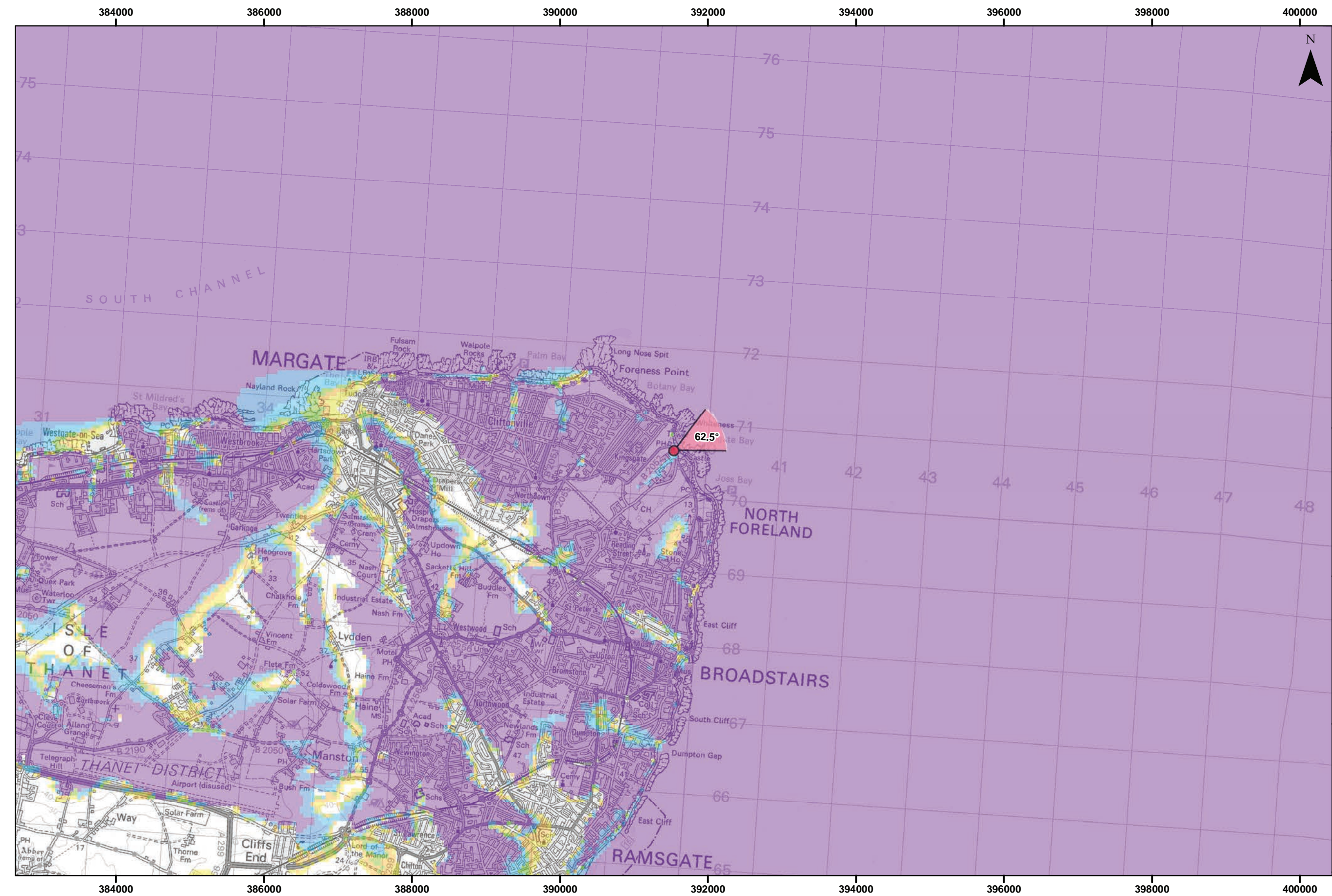


OS reference: 635204 E 171241 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 6.56m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 53°		Camera height: 1.5 m AGL
Nearest turbine: 12.123 km		Date and time: 15/08/16, 16:51

Figure: 12.29g
Viewpoint 3: Margate Harbour Wall (Turner Arts Gallery)



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

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VATTENFALL

THANET EXTENSION OFFSHORE WIND FARM

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

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

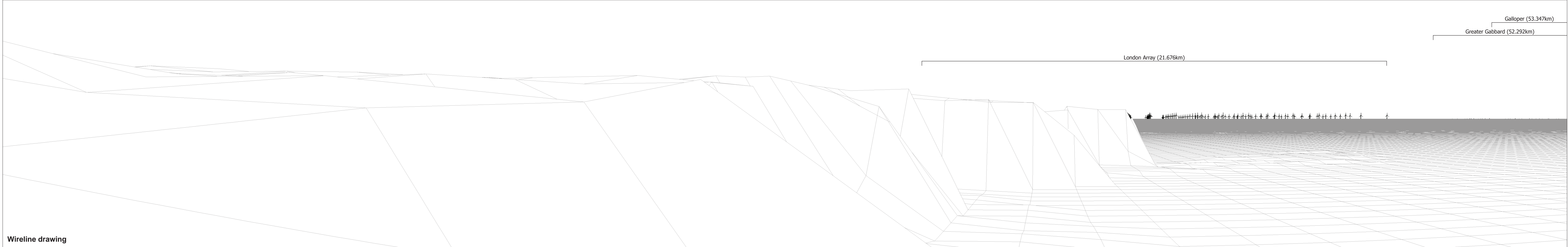
- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989
Projection: UTM31N

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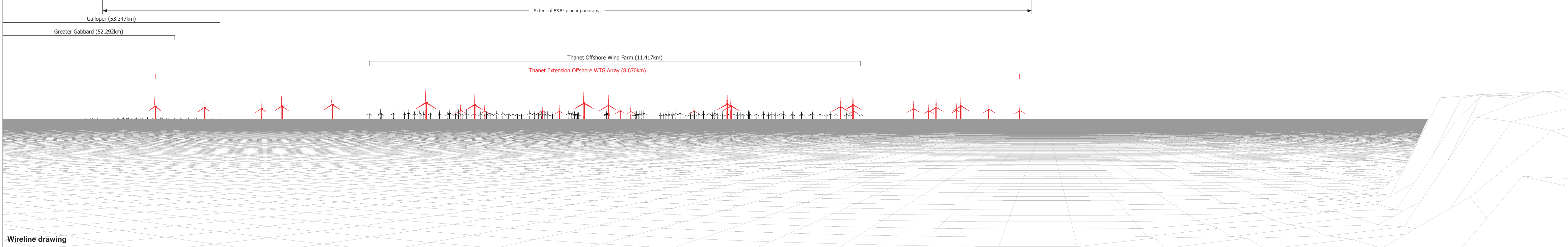
Scale AS SHOWN

Drg No	Ps.	LOCATION_PLANS_DDP	Figure 12.30a
Rev	0.2	Date	
By	JM	Layout	THET2018



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:	345°			Camera height:	1.5 m AGL
Nearest turbine:	8.670 km			Date and time:	15/08/16, 17:45

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



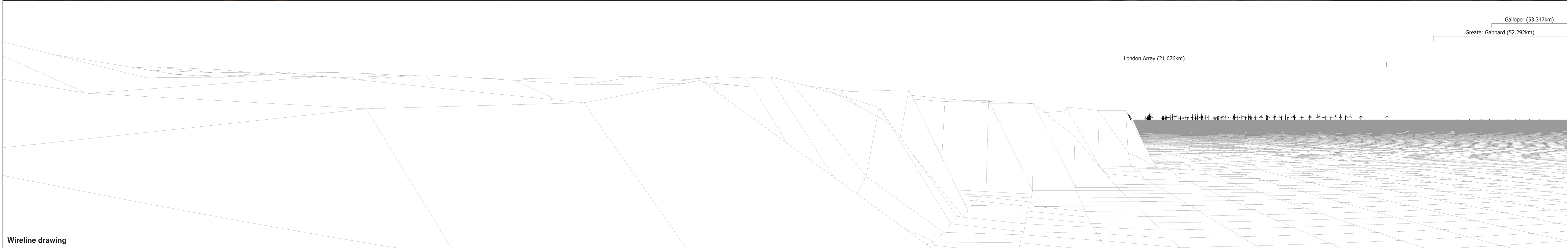
OS reference:	639543 E 170624 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	16.57 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	75°			Camera height:	1.5 m AGL
Nearest turbine:	8.670 km			Date and time:	15/08/16,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

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



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

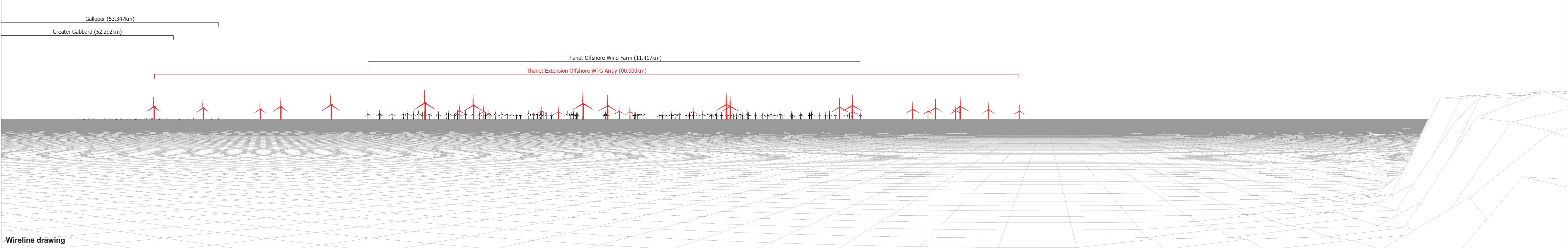
OS reference: 639543 E 170624 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 16.57 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 345°		Camera height: 1.5 m AGL
Nearest turbine: 8.670 km		Date and time: 15/06/17, 22:37

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



Baseline photograph

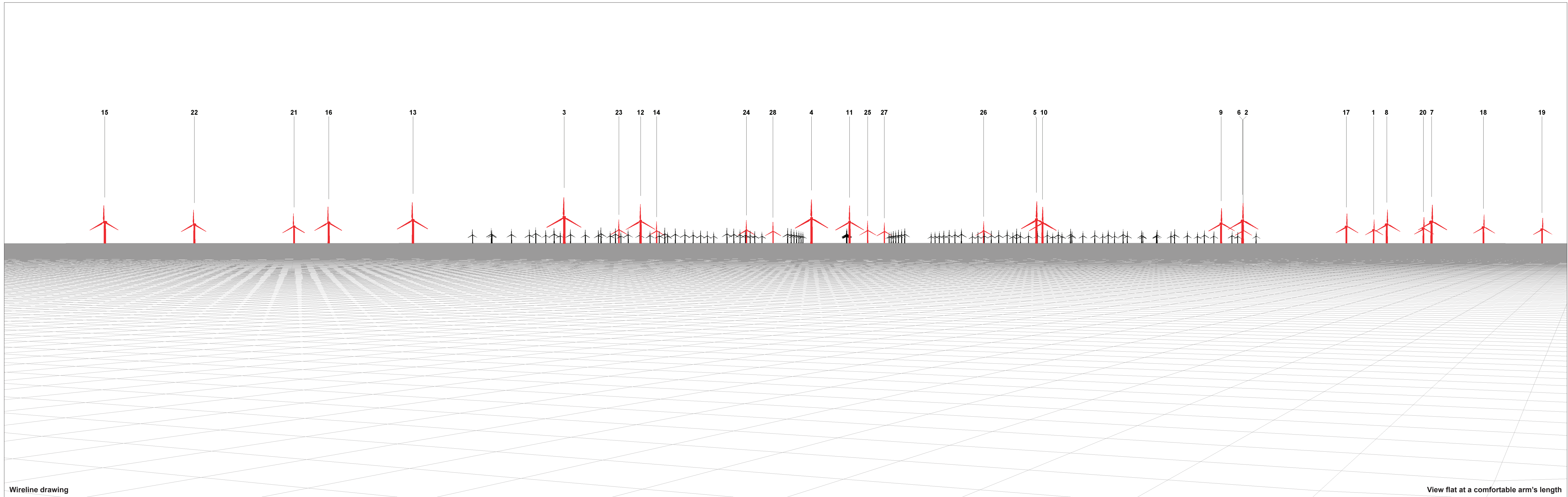
This image provides landscape and visual context only



Wireline drawing

OS reference:	639543 E 170624 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
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:	15/06/17, 22:37

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



Wireline drawing

View flat at a comfortable arm's length

OS reference: 639543 E 170624 N
 Eye level: 16.57 m AOD
 Direction of view: 62.5°
 Nearest turbine: 8.670 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 5D Mark II
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/08/16, 17:45

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



Photomontage

View flat at a comfortable arm's length

OS reference:	639543 E 170624 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mark II
Eye level:	16.57 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	62.5°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Nearest turbine:	8.670 km	Correct printed image size:	820 x 260 mm	Date and time:	15/08/16, 17:45

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

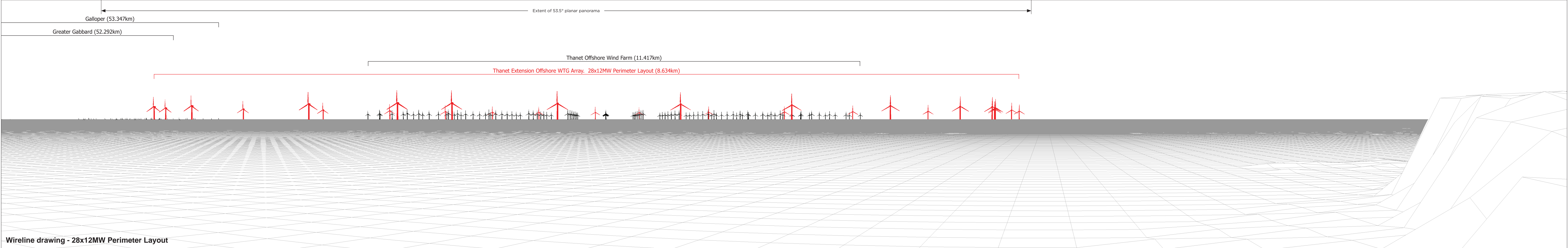


Photomontage

View flat at a comfortable arm's length

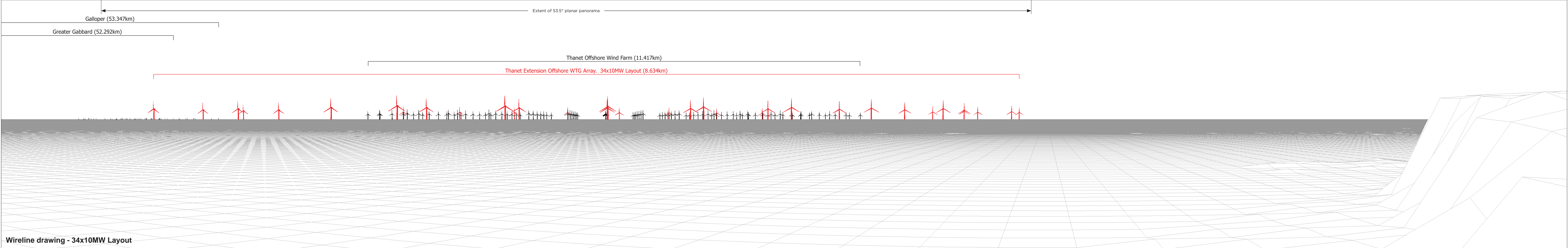
OS reference:	639543 E 170624 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mark II
Eye level:	16.57 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	62.5°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Nearest turbine:	8.670 km	Correct printed image size:	820 x 260 mm	Date and time:	15/06/17, 22:37

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



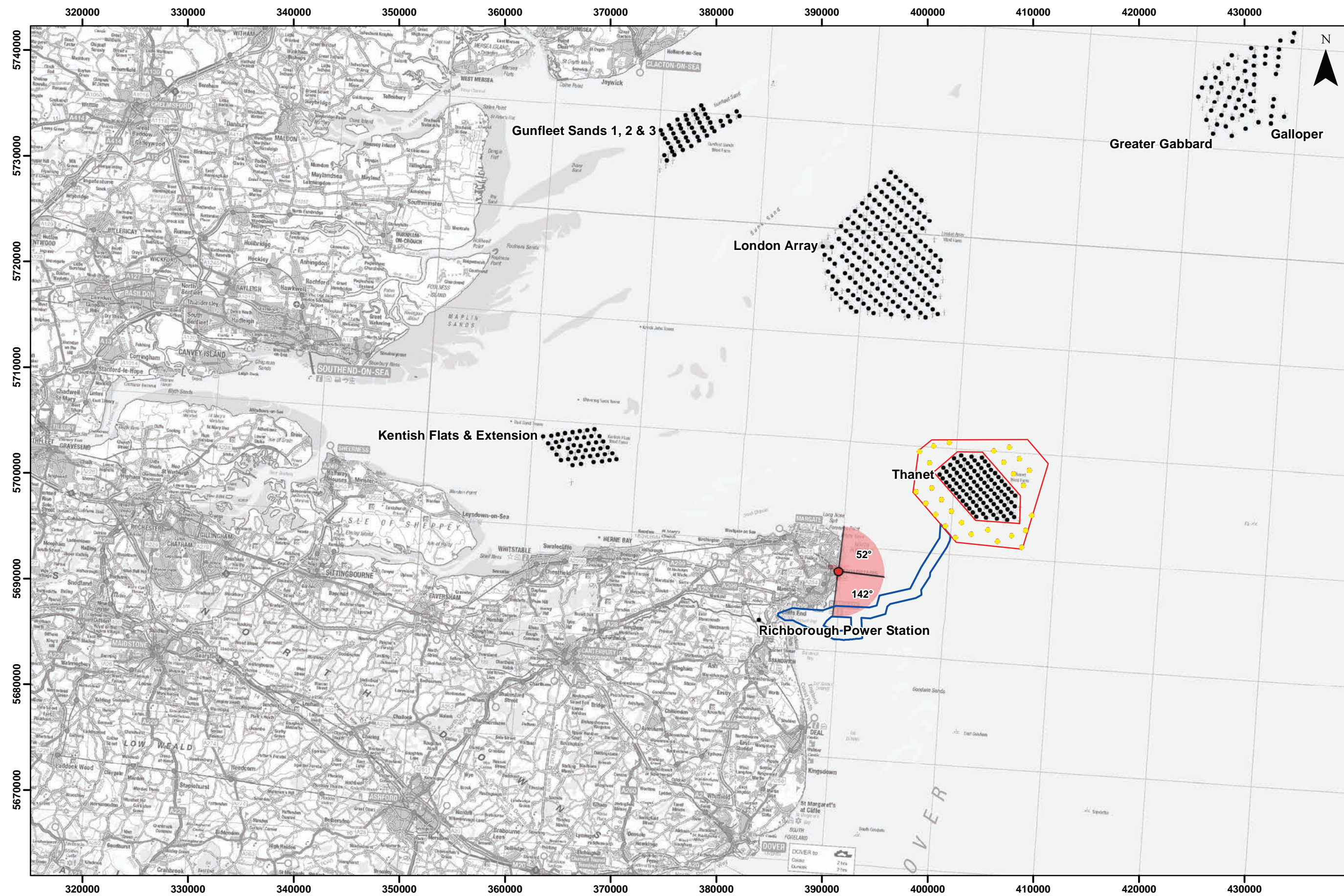
OS reference:	639543 E 170624 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	16.57 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	75°			Camera height:	1.5 m AGL
Nearest turbine:	8.634 km			Date and time:	15/08/16, 17:45

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

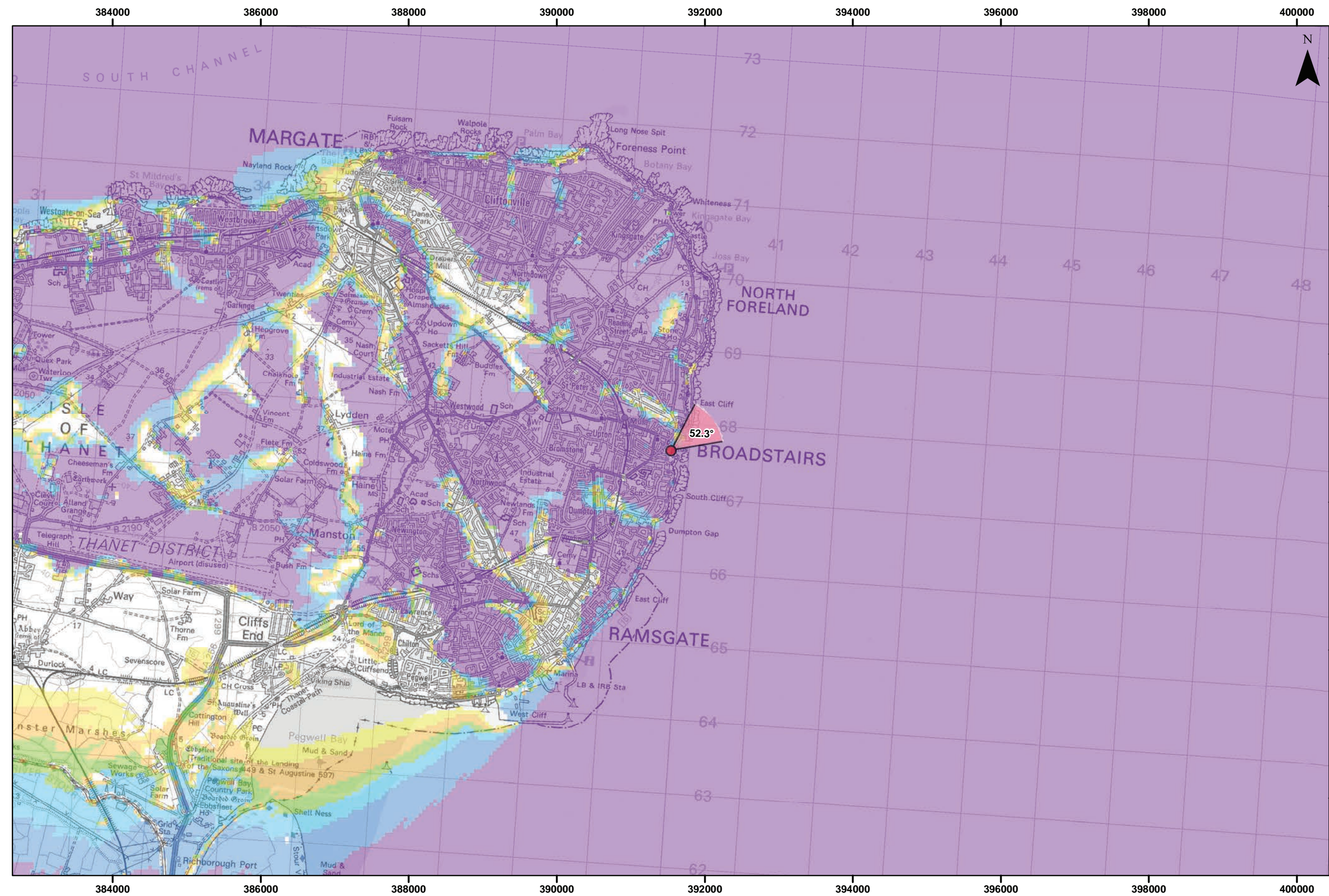


OS reference: 639543 E 170624 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 16.57 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 75°		Camera height: 1.5 m AGL
Nearest turbine: 8.634 km		Date and time: 15/08/16, 17:45

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





Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

THANET EXTENSION OFFSHORE WIND FARM

Figure 12.31a
Viewpoint:5
Broadstairs Promenade

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989
Projection: UTM31N

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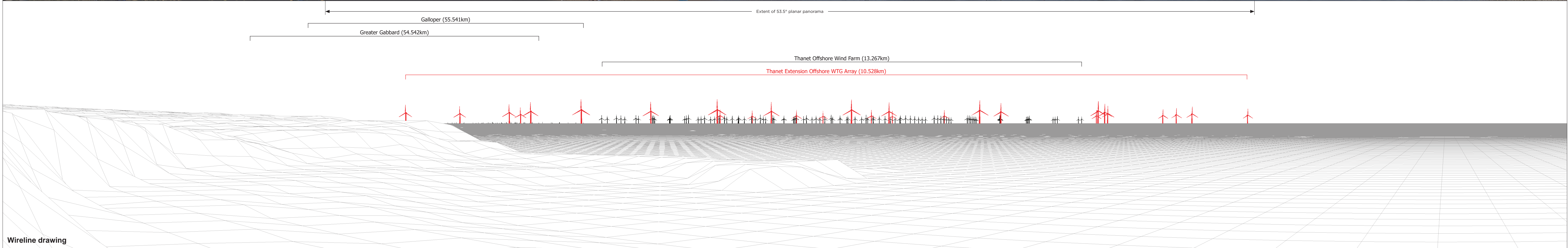
Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.31a
Rev	0.2	Date	
By	JM	Layout	THET2018



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

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

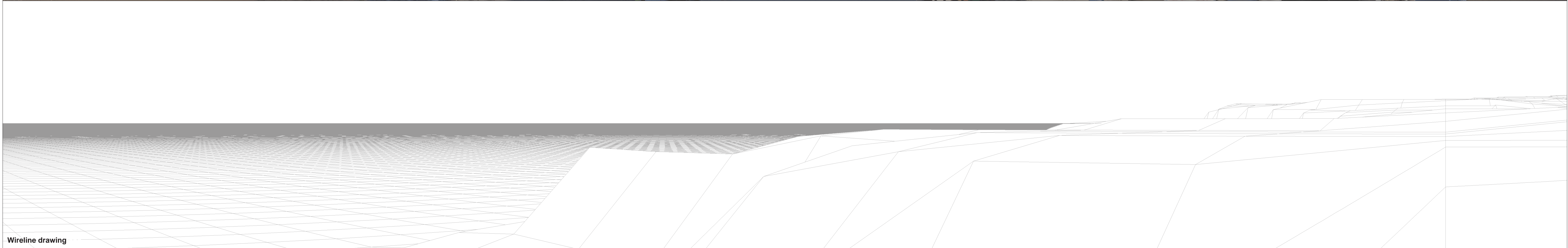
Figure: 12.31b
Viewpoint 5: Broadstairs Promenade



Baseline photograph



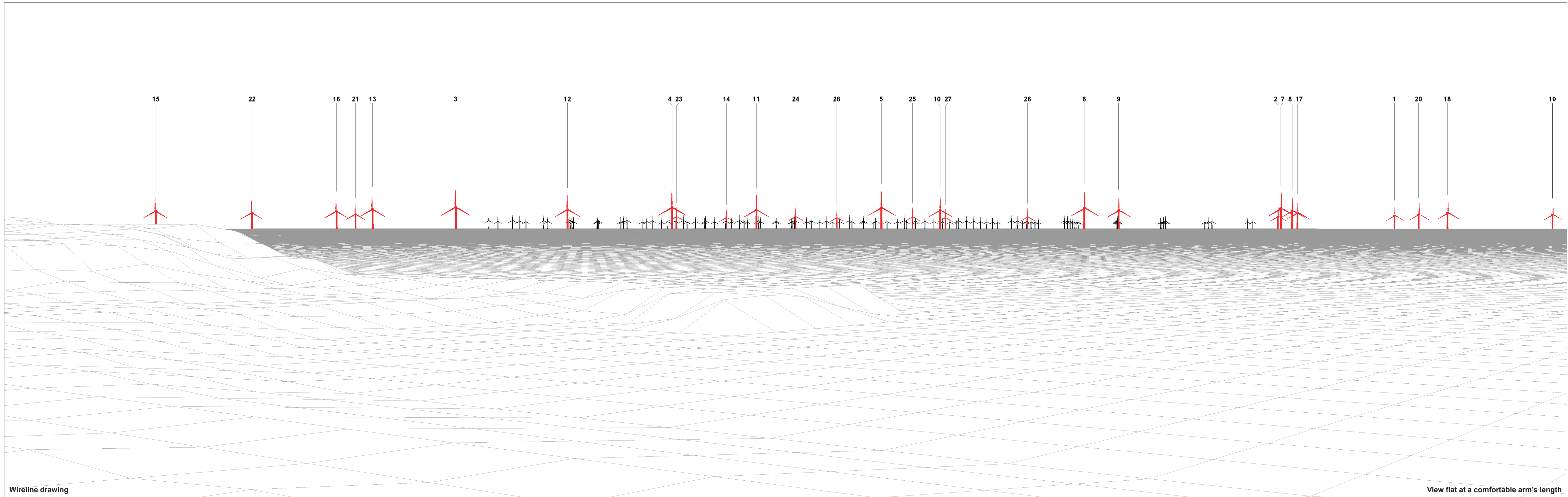
This image provides landscape and visual context only



Wireline drawing

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: 142°		Camera height: 1.5 m AGL
Nearest turbine: 10.528 km		Date and time: 15/08/16, 18:18

Figure: 12.31c
Viewpoint 5: Broadstairs Promenade



Wireline drawing

View flat at a comfortable arm's length

OS reference: 639760 E 167619 N
 Eye level: 15.75 m AOD
 Direction of view: 52.3°
 Nearest turbine: 10.528 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 5D Mark II
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/08/16, 18:18

Figure: 12.31d
 Viewpoint 5: Broadstairs Promenade



Photomontage

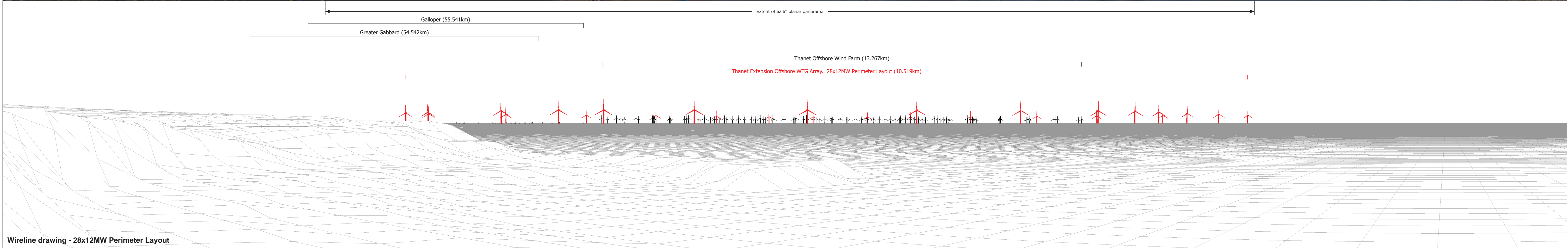
View flat at a comfortable arm's length

OS reference: 639760 E 167619 N
Eye level: 15.75 m AOD
Direction of view: 52.3°
Nearest turbine: 10.528 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

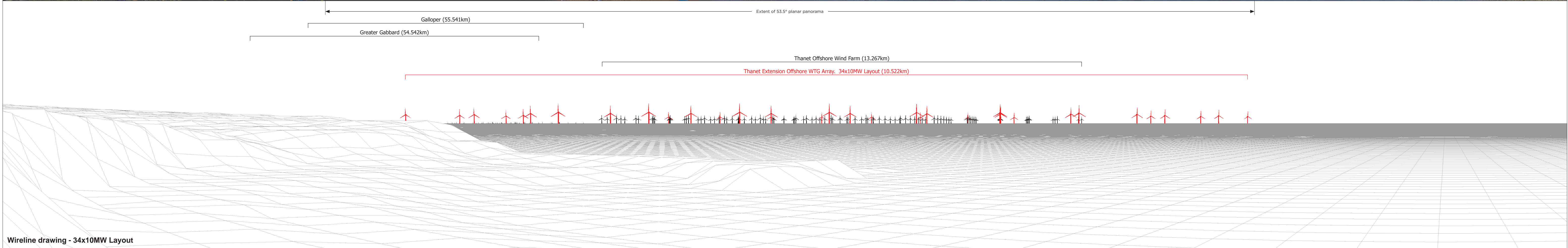
Camera: Canon EOS 5D Mark II
Lens: 50mm (Canon EF 50mm f/1.4)
Camera height: 1.5 m AGL
Date and time: 15/08/16, 18:18

Figure: 12.31e
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: 10.519 km		Date and time: 15/08/16, 18:18

Figure: 12.31f
Viewpoint 5: Broadstairs Promenade

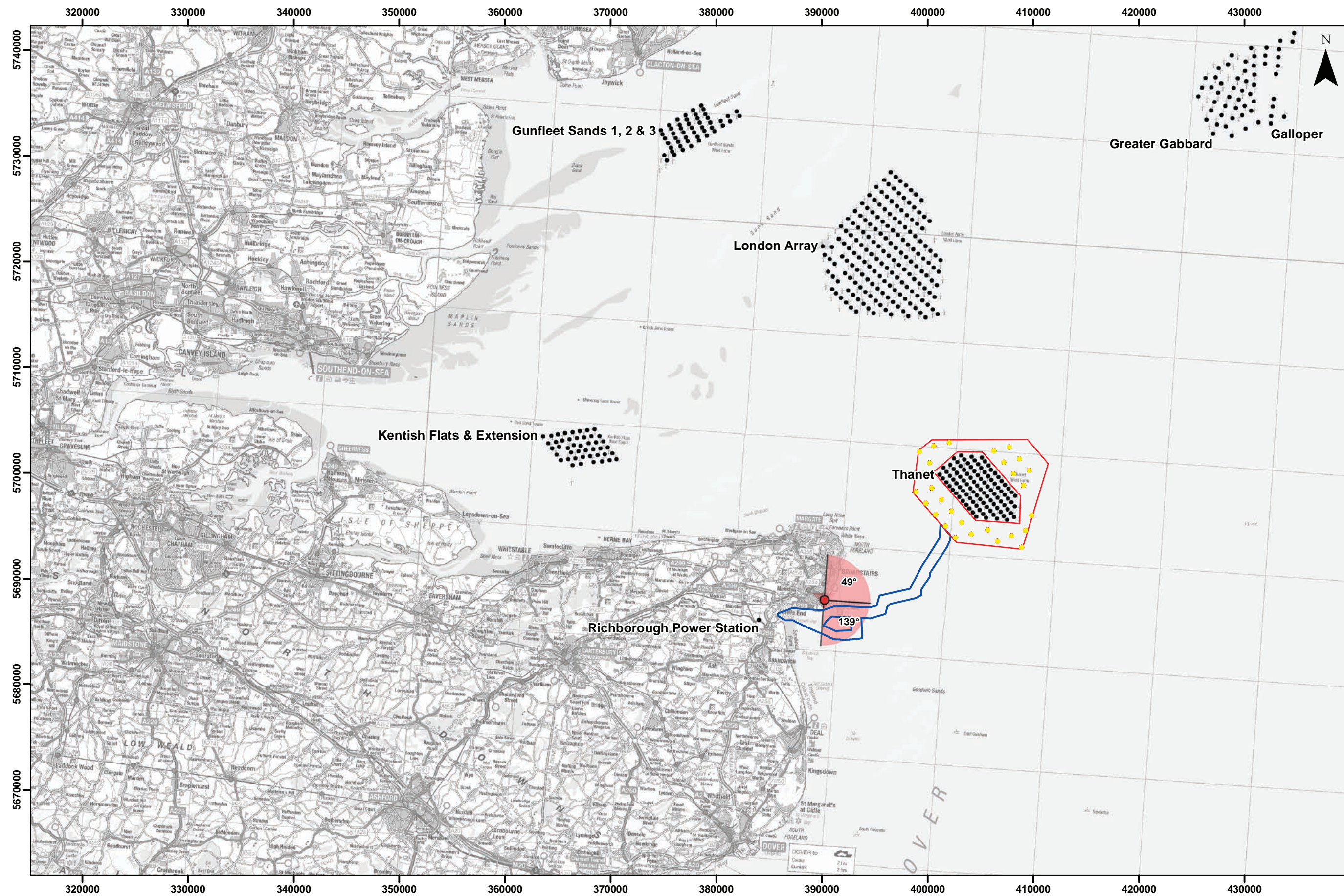


OS reference: 639760 E 167619 N
 Eye level: 15.75 m AOD
 Direction of view: 52°
 Nearest turbine: 10.522 km

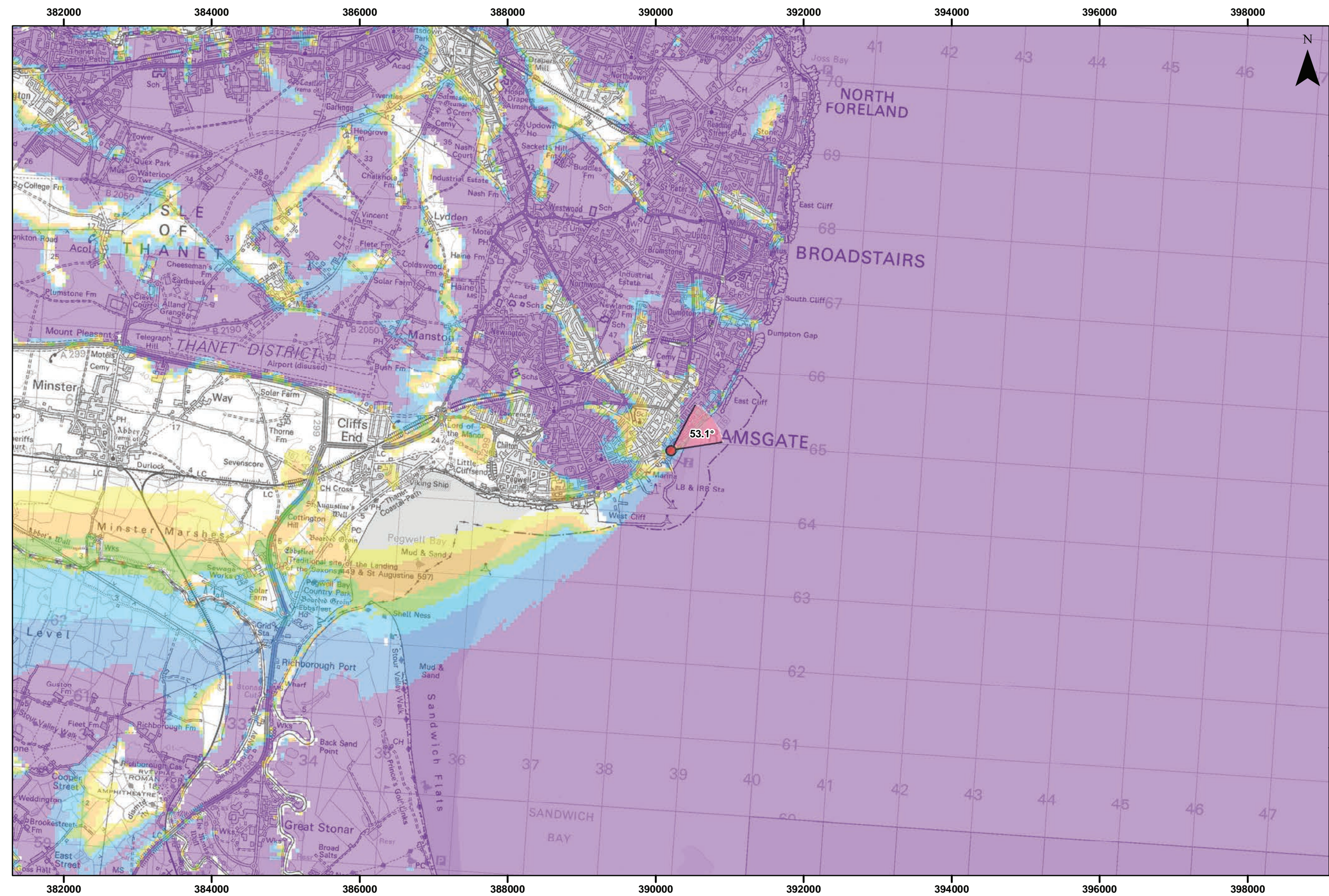
Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

Camera: Canon EOS 5D Mark II
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/08/16, 18:18

Figure: 12.31g
 Viewpoint 5: Broadstairs Promenade



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.32a
Viewpoint:6
Wellington Crescent, Ramsgate

- Legend**
- Thanet Extension WTG
 - Proposed Offshore Development Boundary
 - Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
 - 90° Field of View
 - 53.5° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28



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Scale AS SHOWN

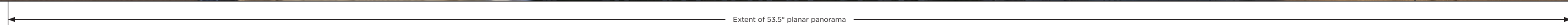
Org No	Ps.	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	05/06/2018
By	JM	Layout	THET2018

Figure 12.32a

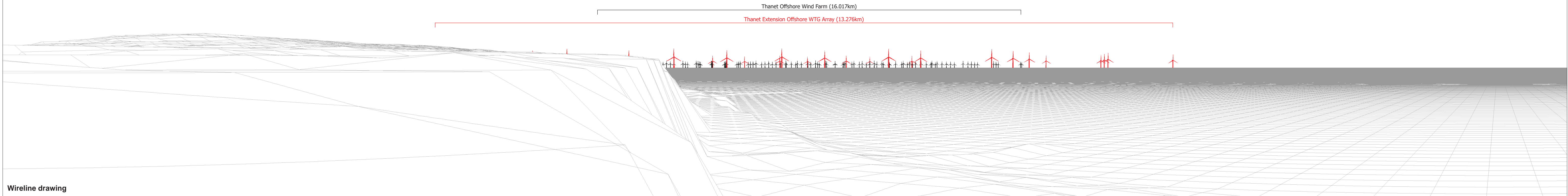


Baseline photograph

This image provides landscape and visual context only



Extent of 53.5° planar panorama



Wireline drawing

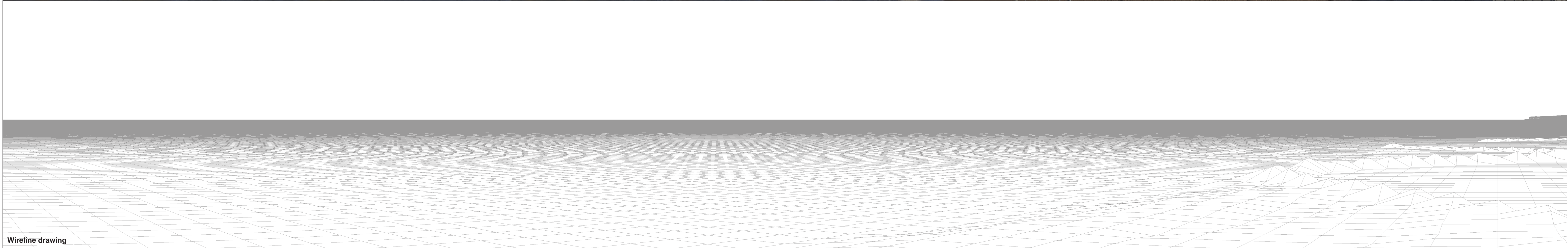
OS reference:	638610 E 164878 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	23.25 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	49°			Camera height:	1.5 m AGL
Nearest turbine:	13.276 km			Date and time:	15/08/16,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

Figure: 12.32b
Viewpoint 6: Wellington Crescent, Ramsgate



Baseline photograph

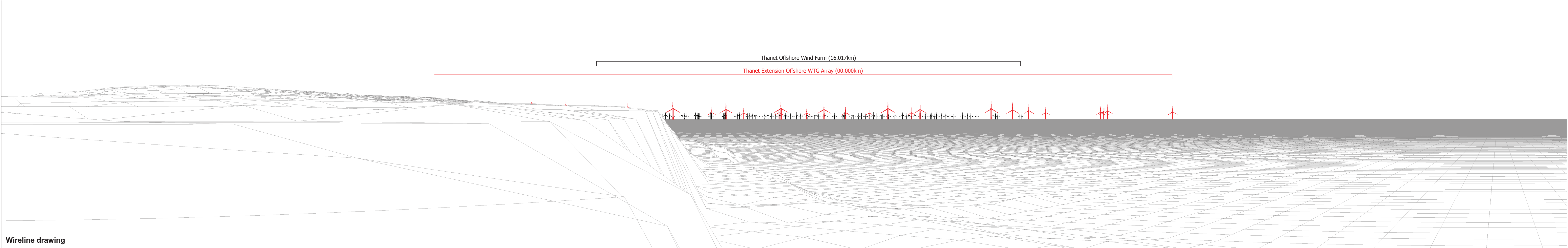
This image provides landscape and visual context only



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: 139°		Camera height: 1.5 m AGL
Nearest turbine: 13.276 km		Date and time: 15/08/16, 18:46

Figure: 12.32c
Viewpoint 6: Wellington Crescent, Ramsgate



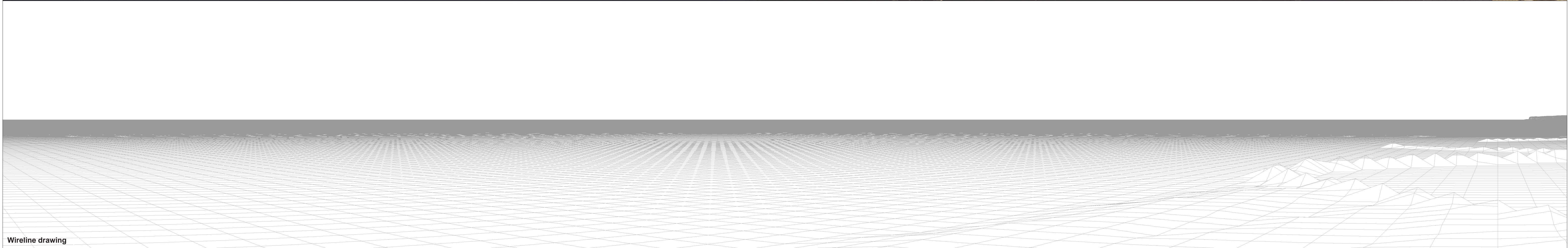
OS reference:	638610 E 164878 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	23.25 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	49°			Camera height:	1.5 m AGL
Nearest turbine:	13.276 km			Date and time:	14/06/17, 21:59

Figure: 12.32d
Viewpoint 6: Wellington Crescent, Ramsgate



Baseline photograph

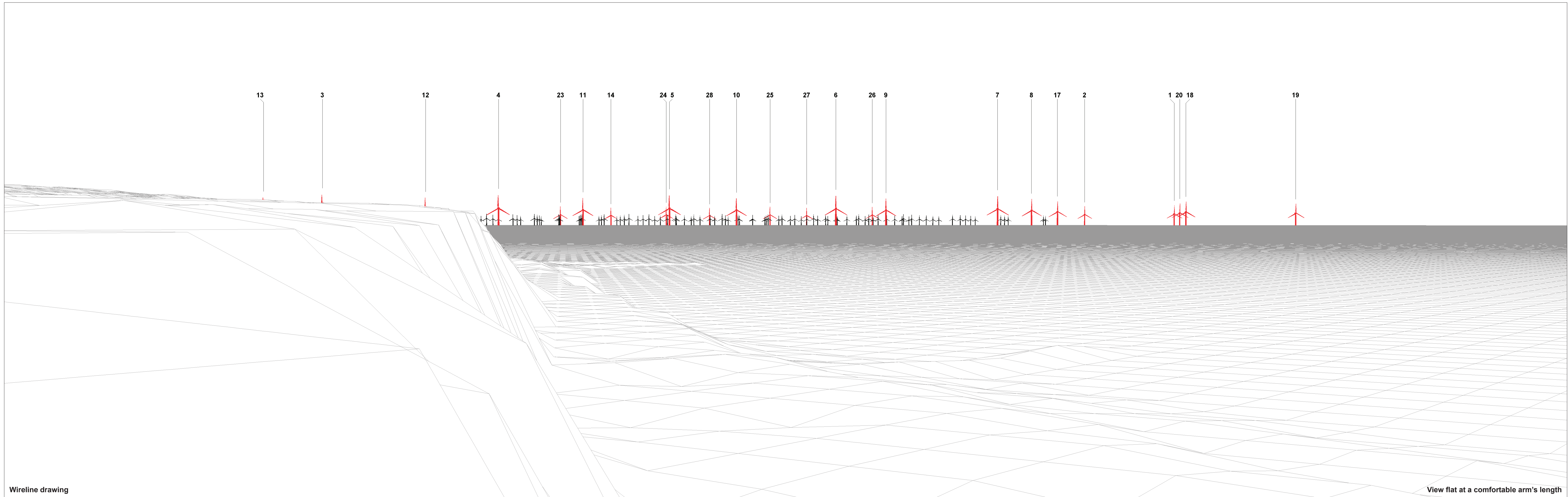
This image provides landscape and visual context only



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: 139°		Camera height: 1.5 m AGL
Nearest turbine: 13.276 km		Date and time: 14/06/17, 21:59

Figure: 12.32e
Viewpoint 6: Wellington Crescent, Ramsgate



Wireline drawing

View flat at a comfortable arm's length

OS reference: 638610 E 164878 N
 Eye level: 23.25 m AOD
 Direction of view: 53.1°
 Nearest turbine: 13.276 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 5D Mark II
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/08/16, 18:46

Figure: 12.32f
 Viewpoint 6: Wellington Crescent, Ramsgate



Photomontage

View flat at a comfortable arm's length

OS reference: 638610 E 164878 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 5D Mark II
Eye level: 23.25 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 53.1°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 13.276 km	Correct printed image size: 820 x 260 mm	Date and time: 15/08/16, 18:46

Figure: 12.32g
Viewpoint 6: Wellington Crescent, Ramsgate



Photomontage

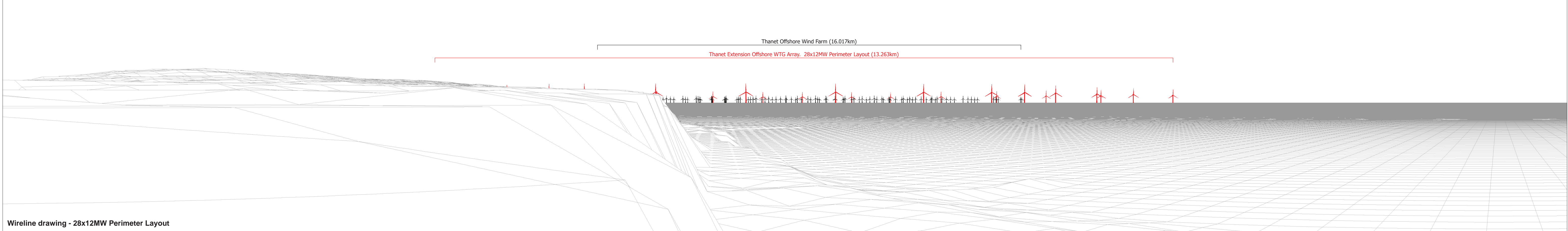
View flat at a comfortable arm's length

OS reference:	638610 E 164878 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mark II
Eye level:	23.25 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	53.1°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Nearest turbine:	13.276 km	Correct printed image size:	820 x 260 mm	Date and time:	14/06/17, 21:59

Figure: 12.32h
Viewpoint 6: Wellington Crescent, Ramsgate



Extent of 53.5° planar panorama

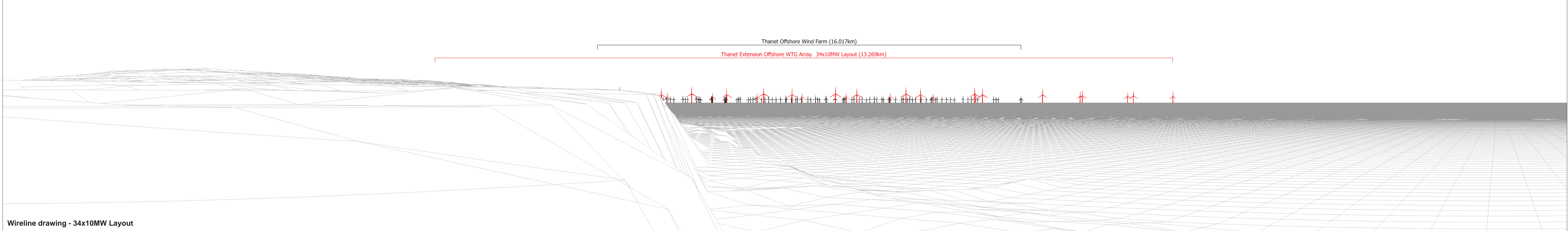


OS reference:	638610 E 164878 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	23.25 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	49°			Camera height:	1.5 m AGL
Nearest turbine:	13.263 km			Date and time:	15/08/16, 18:46

Figure: 12.32i
Viewpoint 6: Wellington Crescent, Ramsgate

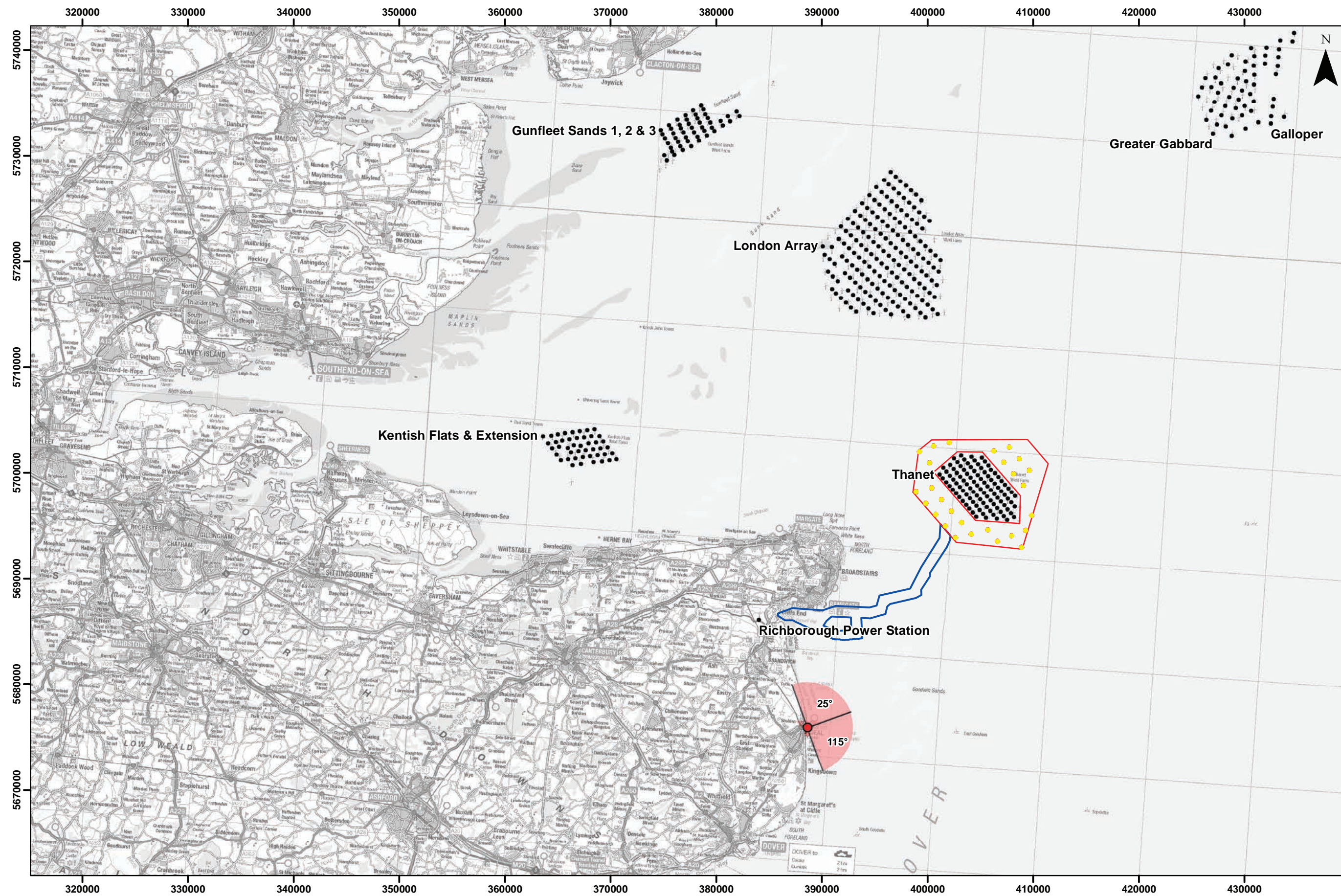


Extent of 53.5° planar panorama

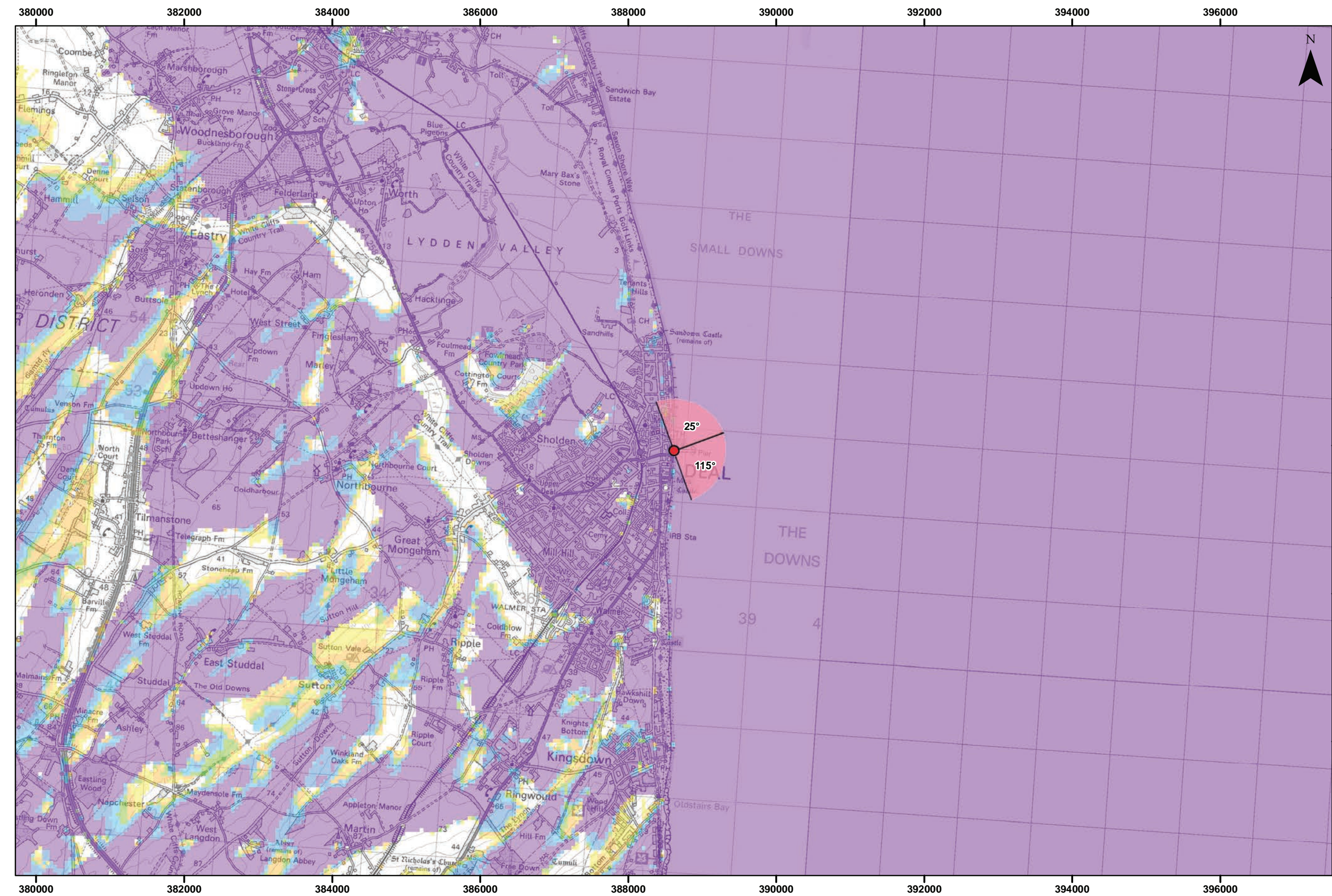


OS reference: 638610 E 164878 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 5D Mark II
Eye level: 23.25 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 49°		Camera height: 1.5 m AGL
Nearest turbine: 13.269 km		Date and time: 15/08/16, 18:46

Figure: 12.32j
Viewpoint 6: Wellington Crescent, Ramsgate



Viewpoint Location Plan
Scale: 1:350,000



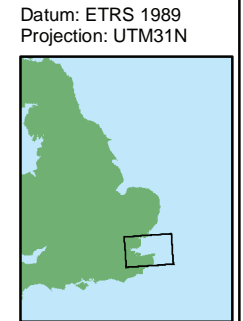
Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.33a
Viewpoint:7
Deal Pier/Promenade

- Legend**
- Thanet Extension WTG
 - Proposed Offshore Development Boundary
 - Offshore Cable Corridor
 - Wind Farm Status (1:350,000 only)
 - Operational
 - 90° Field of View
 - Blade Tip ZTV
 - No. of Blade Tips Visible
 - 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28

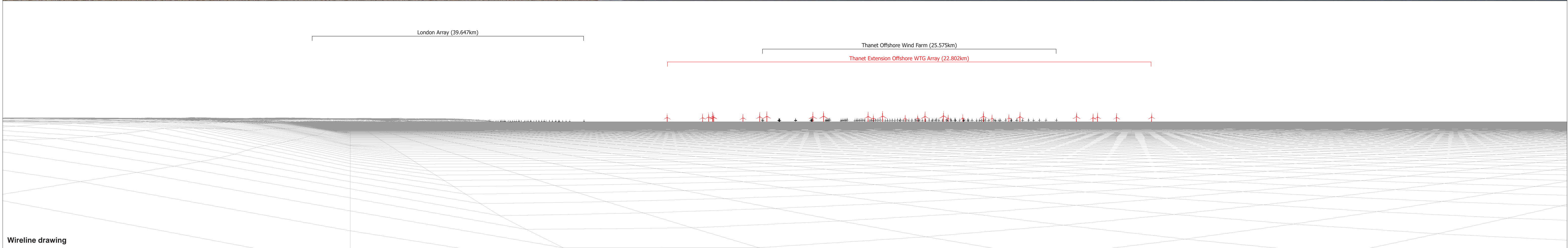


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Scale AS SHOWN

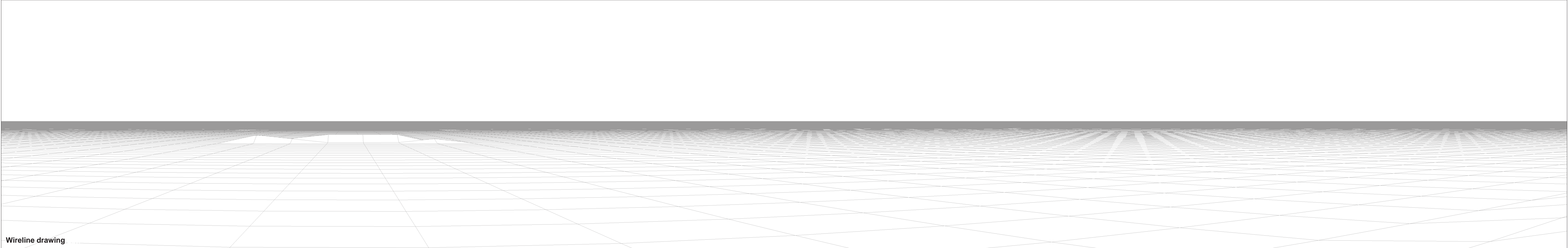
Org No	Ps.	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	05/06/2018
By	JM	Layout	THET2018

Figure 12.33a



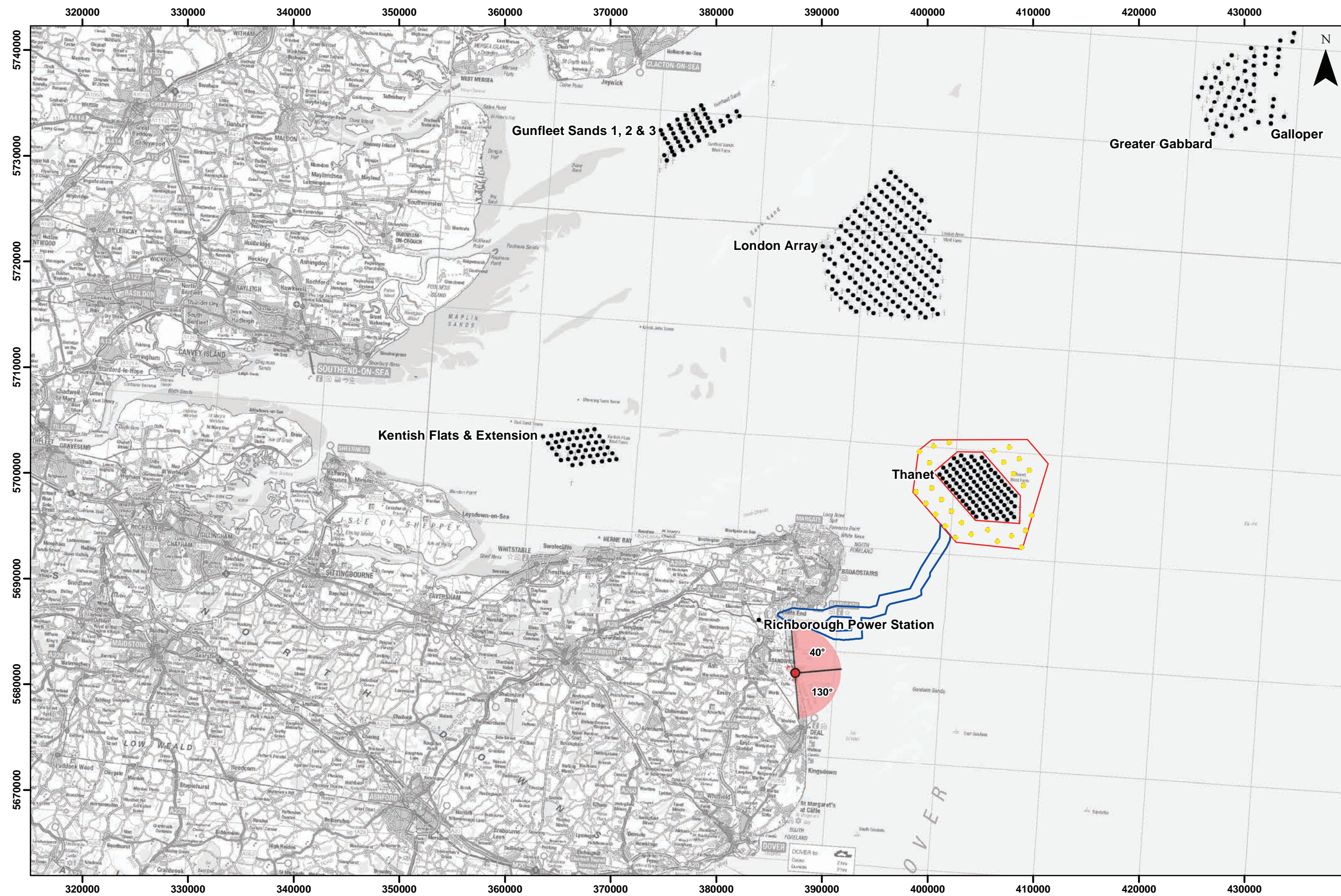
OS reference: 637840 E 152694 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 6.41 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 25°		Camera height: 1.5 m AGL
Nearest turbine: 22.802 km		Date and time: 15/06/17, 12:48

Figure: 12.33b
Viewpoint 7: Deal Pier/Promenade

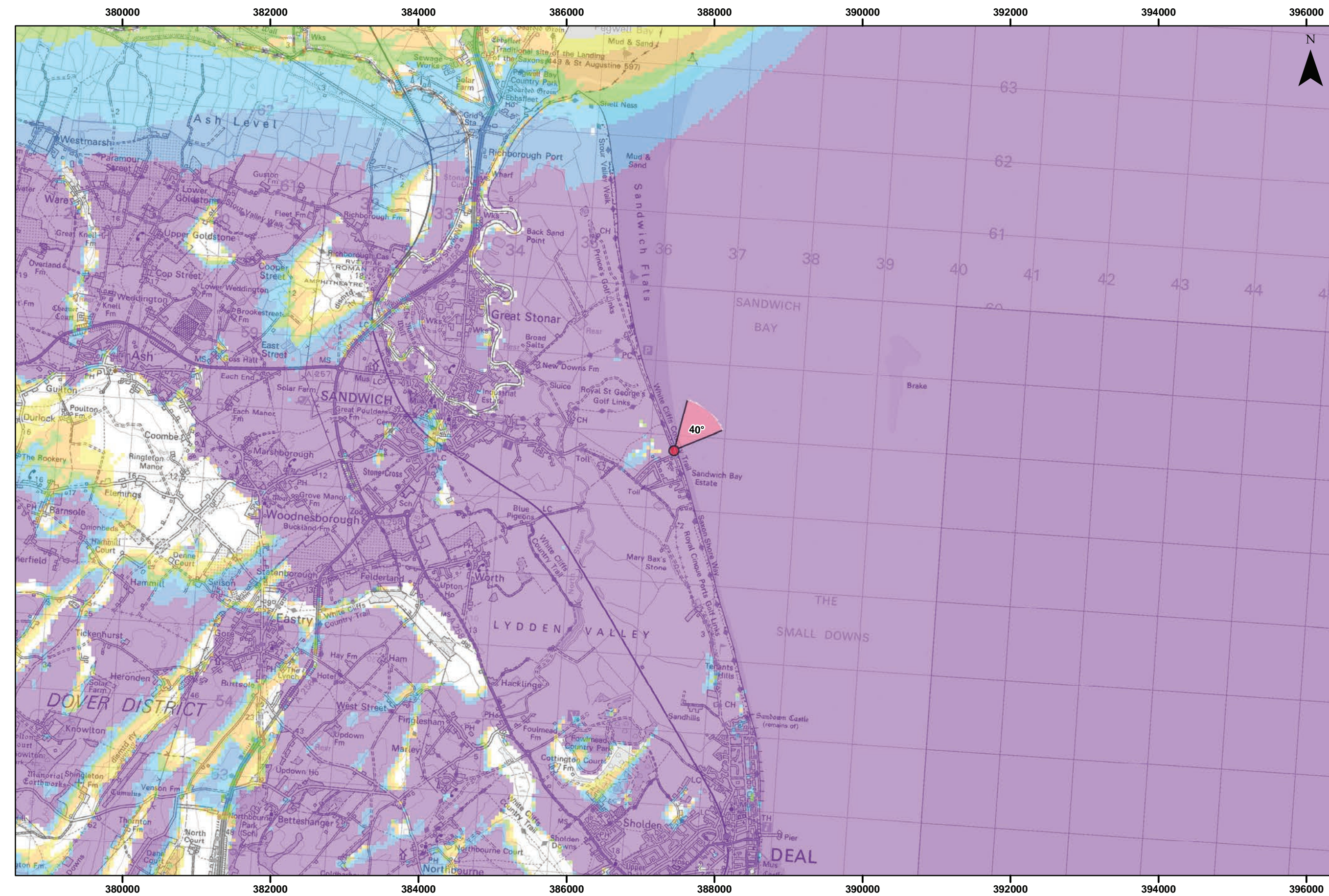


OS reference: 637840 E 152694 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 6.41 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 115°		Camera height: 1.5 m AGL
Nearest turbine: 22.802 km		Date and time: 15/06/17, 12:48

Figure: 12.33c
Viewpoint 7: Deal Pier/Promenade



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

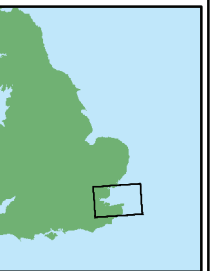
Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.34a
Viewpoint:8
Sandwich Bay Estate, Kings
Avenue/Princes Drive

- Legend**
- Thanet Extension WTG
 - Proposed Offshore Development Boundary
 - Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
 - 90° Field of View
 - 53.5° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28

Datum: ETRS 1989
Projection: UTM31N



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Scale AS SHOWN

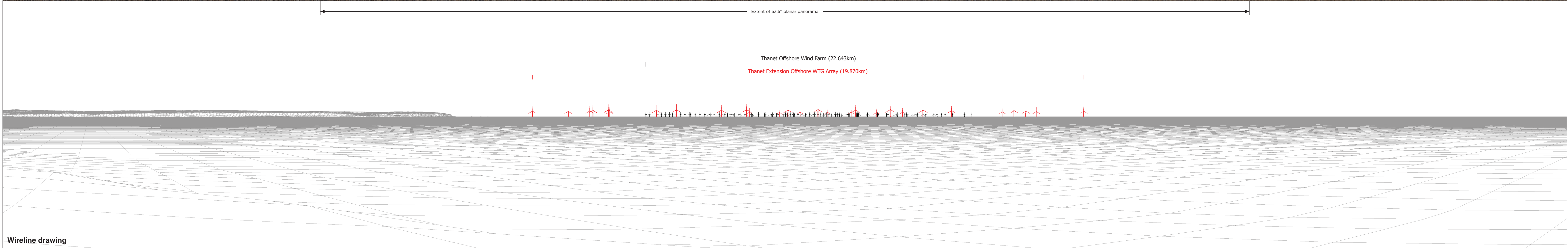
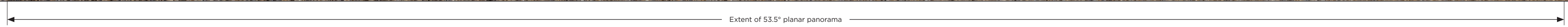
Org No	Ps	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	05/06/2018
By	JM	Layout	THET2018

Figure 12.34a



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

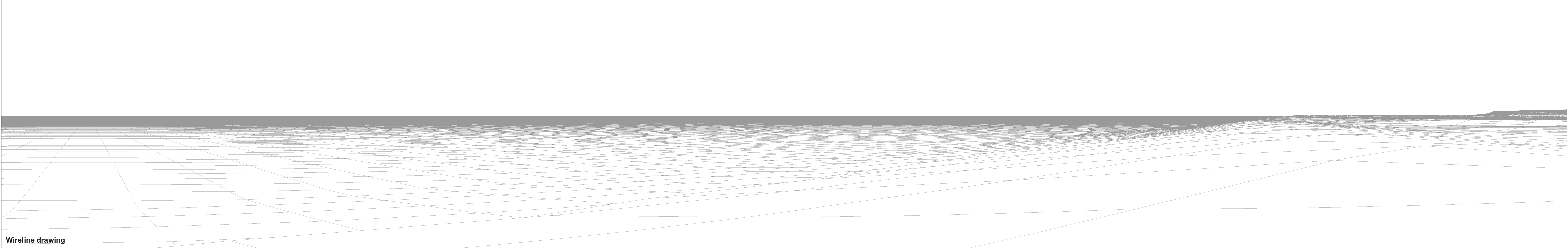
OS reference: 636322 E 157784 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 7.57 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 40°		Camera height: 1.5 m AGL
Nearest turbine: 19.870 km		Date and time: 15/06/17, 15:21

Figure: 12.34b
Viewpoint 8: Kings Avenue/Princes Drive,
Sandwich Bay Estate



Baseline photograph

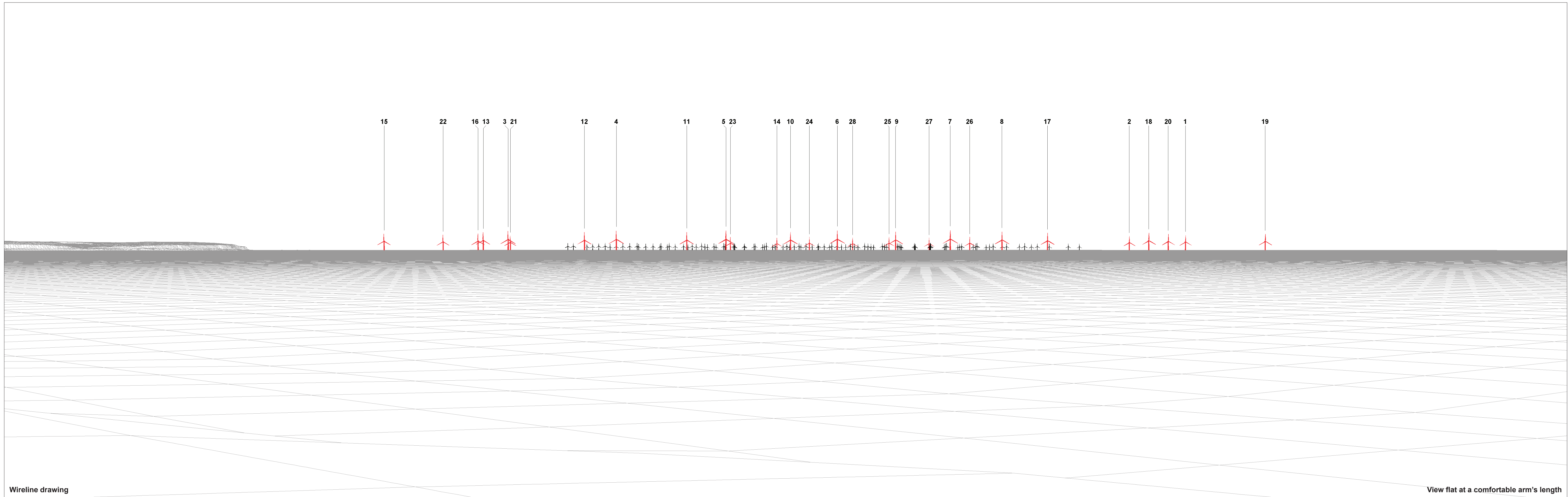
This image provides landscape and visual context only



Wireline drawing

OS reference: 636322 E 157784 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 7.57 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 130°		Camera height: 1.5 m AGL
Nearest turbine: 19.870 km		Date and time: 15/06/17, 15:21

Figure: 12.34c
Viewpoint 8: Kings Avenue/Princes Drive,
Sandwich Bay Estate



Wireline drawing

View flat at a comfortable arm's length

OS reference: 636322 E 157784 N
 Eye level: 7.57 m AOD
 Direction of view: 40°
 Nearest turbine: 19.870 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

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

Figure: 12.34d
 Viewpoint 8: Kings Avenue/Princes Drive,
 Sandwich Bay Estate



Photomontage (due to weather and light conditions, TQWF has been photomontaged in this view)

View flat at a comfortable arm's length

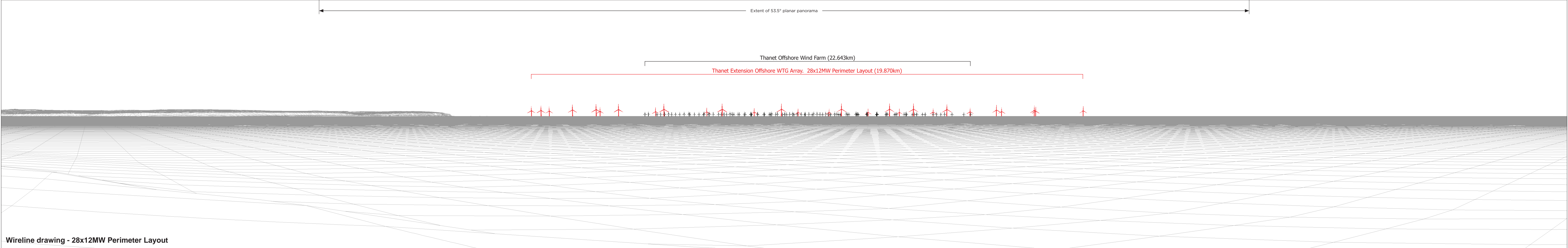
OS reference: 636322 E 157784 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 6D
Eye level: 7.57 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 40°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 19.870 km	Correct printed image size: 820 x 260 mm	Date and time: 15/06/17, 15:21

Figure: 12.34e
Viewpoint 8: Kings Avenue/Princes Drive,
Sandwich Bay Estate



Baseline photograph

This image provides landscape and visual context only



Wireline drawing - 28x12MW Perimeter Layout

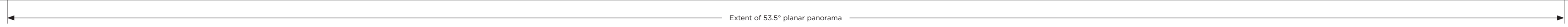
OS reference: 636322 E 157784 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 7.57 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 40°		Camera height: 1.5 m AGL
Nearest turbine: 19.870 km		Date and time: 15/06/17, 15:21

Figure: 12.34f
Viewpoint 8: Kings Avenue/Princes Drive,
Sandwich Bay Estate



Baseline photograph

This image provides landscape and visual context only



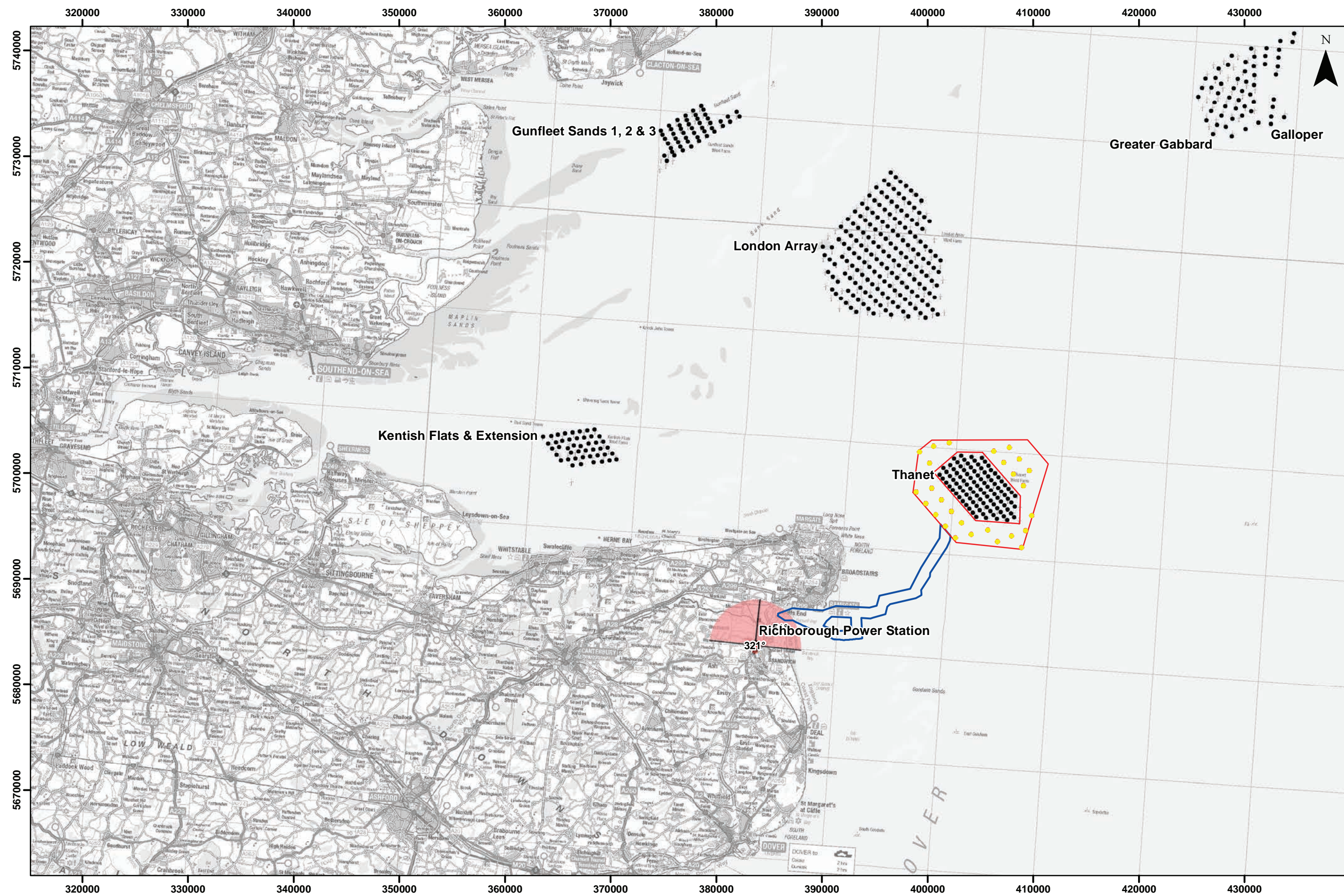
Wireline drawing - 34x10MW Layout

OS reference: 636322 E 157784 N
 Eye level: 7.57 m AOD
 Direction of view: 40°
 Nearest turbine: 19.870 km

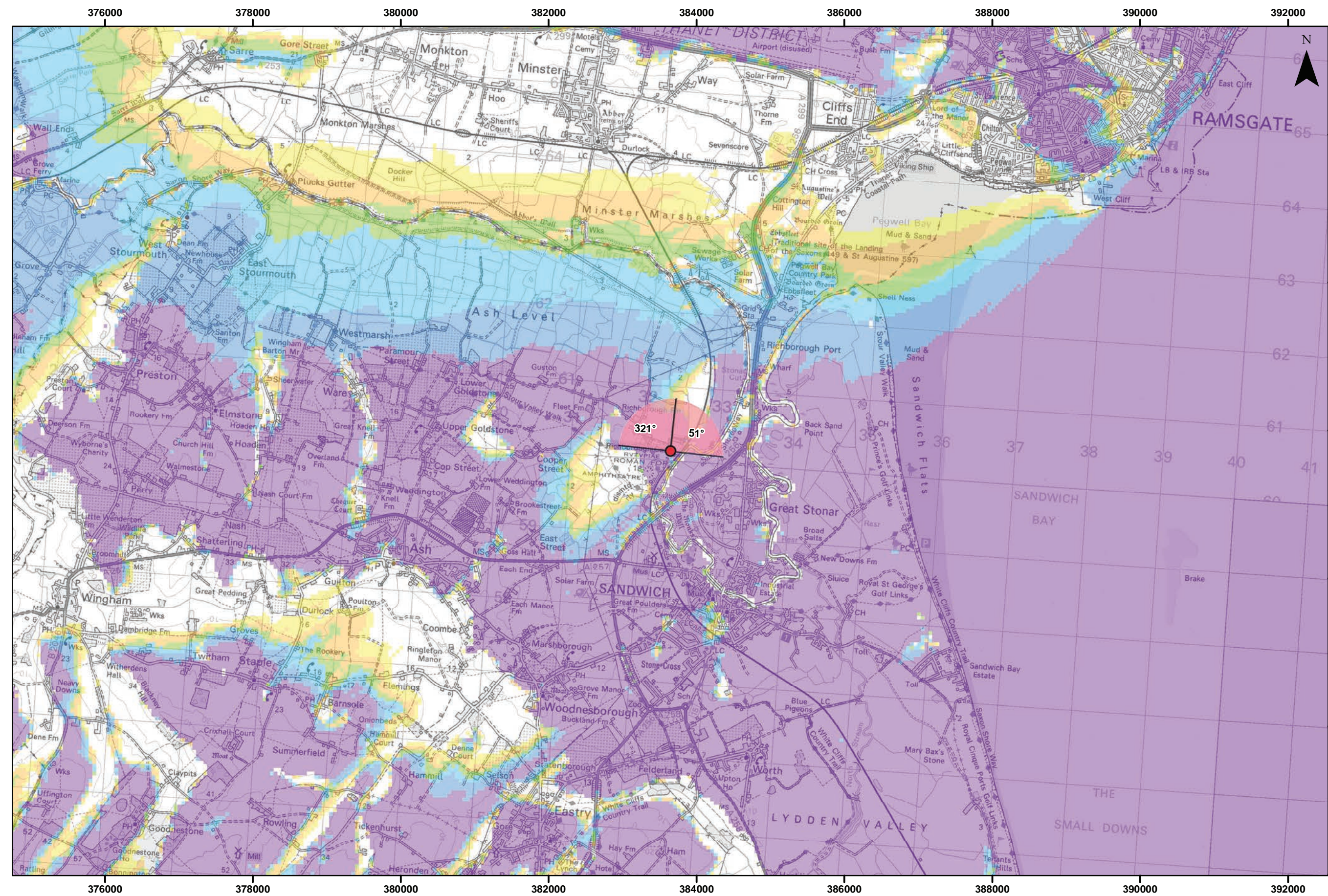
Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 15/06/17, 15:21

Figure: 12.34g
 Viewpoint 8: Kings Avenue/Princes Drive,
 Sandwich Bay Estate



Viewpoint Location Plan
Scale: 1:350,000



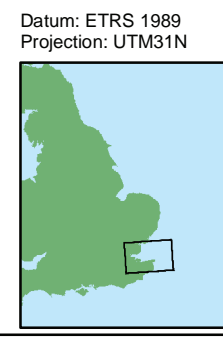
Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

THANET EXTENSION OFFSHORE WIND FARM

Figure 12.35a
Viewpoint:9
Richborough Castle

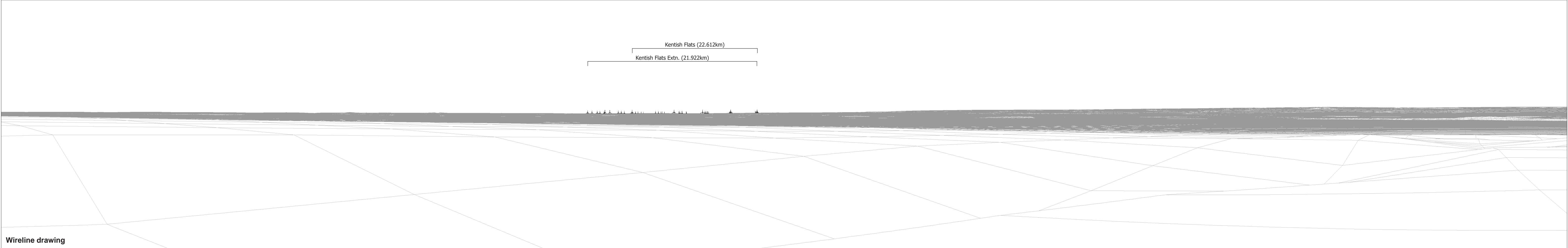
- Legend**
- Thanet Extension WTG
 - ▭ Proposed Offshore Development Boundary
 - ▭ Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
 - ▲ 90° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28



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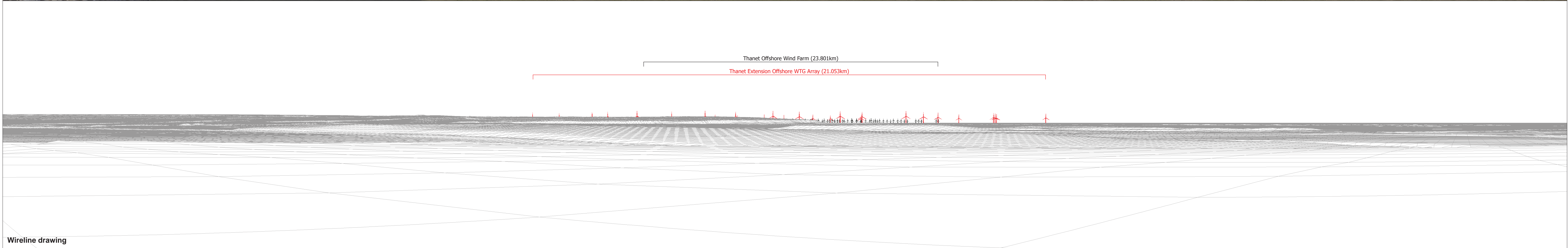
Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.35a
Rev	0.2	Date 05/06/2018	
By	JM	Layout THET2018	



OS reference: 632348 E 160134 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 15.63°	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 321°		Camera height: 1.5 m AGL
Nearest turbine: 21.053 km		Date and time: 12/09/16, 15:46

Figure: 12.35b
Viewpoint 9: Richborough Castle

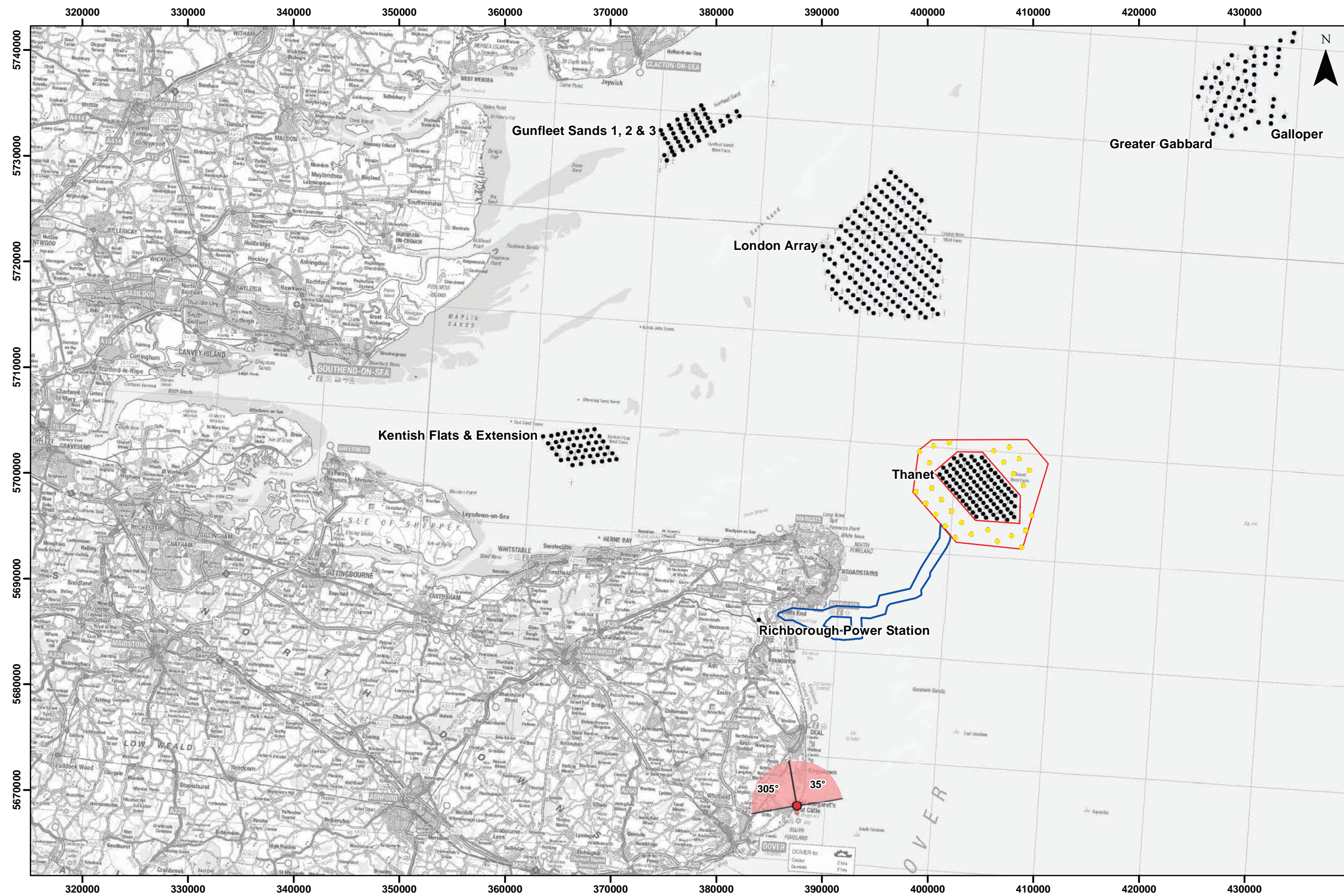


OS reference: 632348 E 160134 N
 Eye level: 15.63°
 Direction of view: 51°
 Nearest turbine: 21.053 km

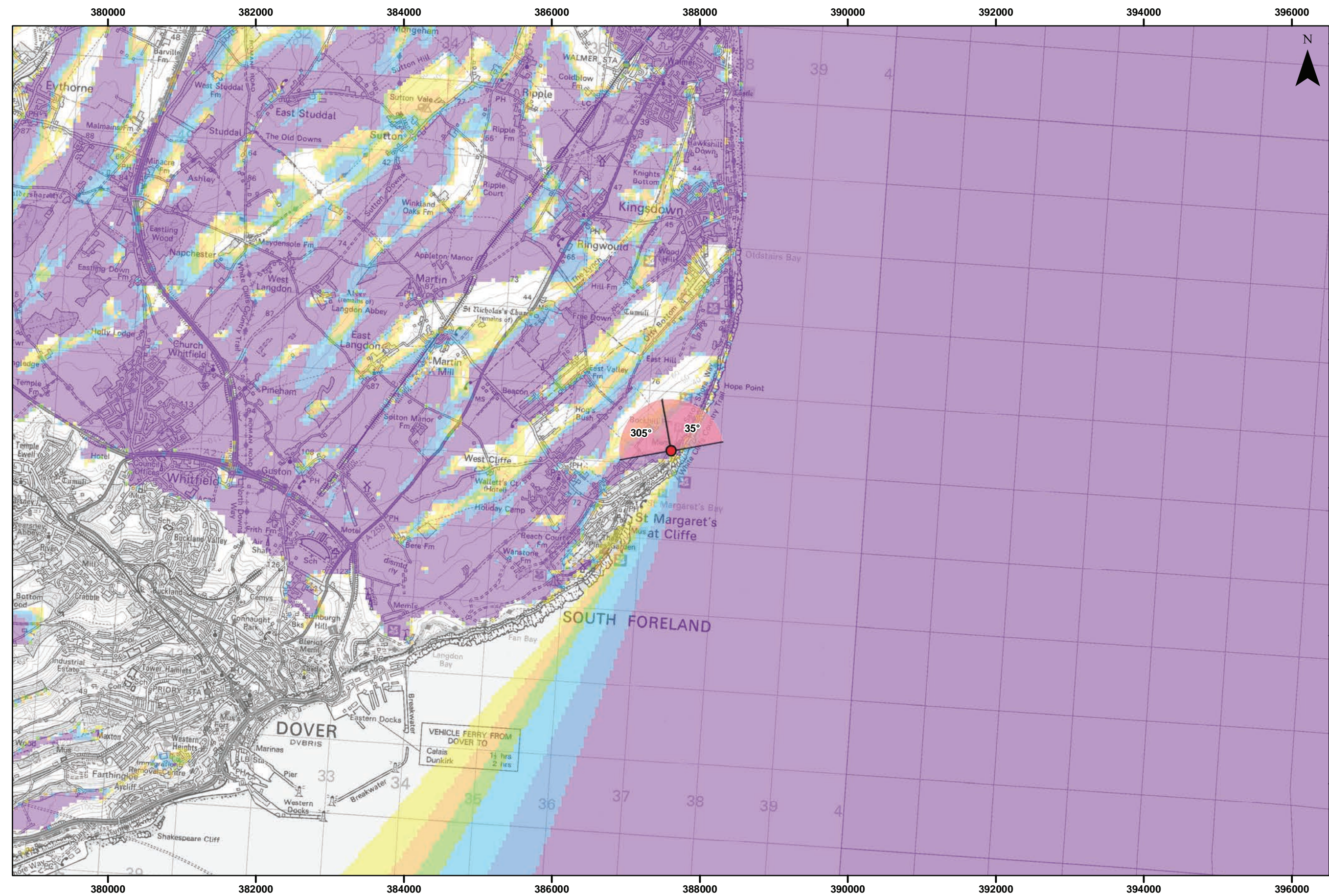
Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 12/09/16, 15:46

Figure: 12.35c
 Viewpoint 9: Richborough Castle



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

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THANET EXTENSION OFFSHORE WIND FARM

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

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

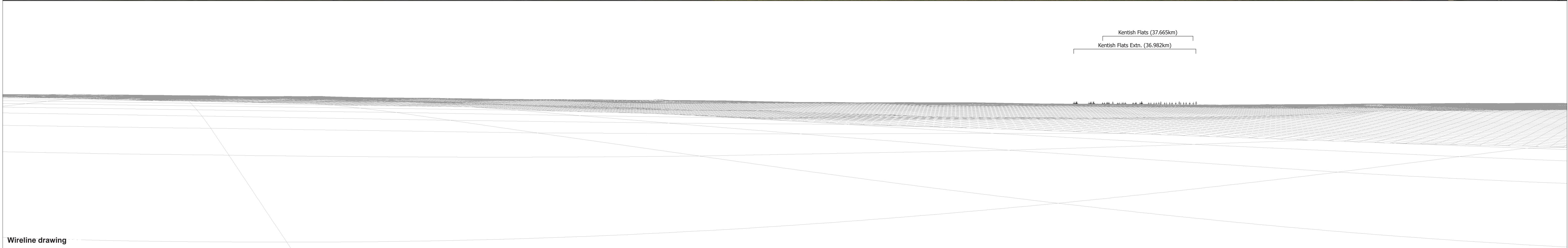
Datum: ETRS 1989
Projection: UTM31N

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Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	05/06/2018
By	JM	Layout	THET2018

Figure 12.36a



OS reference: 637339 E 145209 N
 Eye level: 86.58 m AOD
 Direction of view: 305°
 Nearest turbine: 29.524 km

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

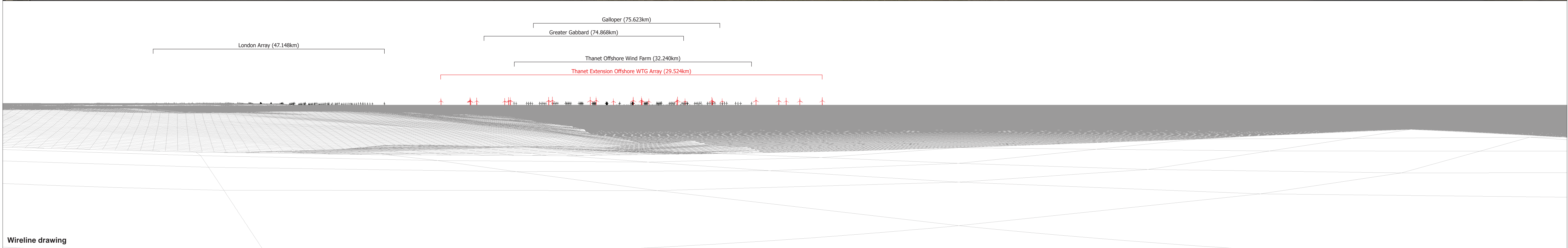
Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 12/09/16, 16:27

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



Baseline photograph

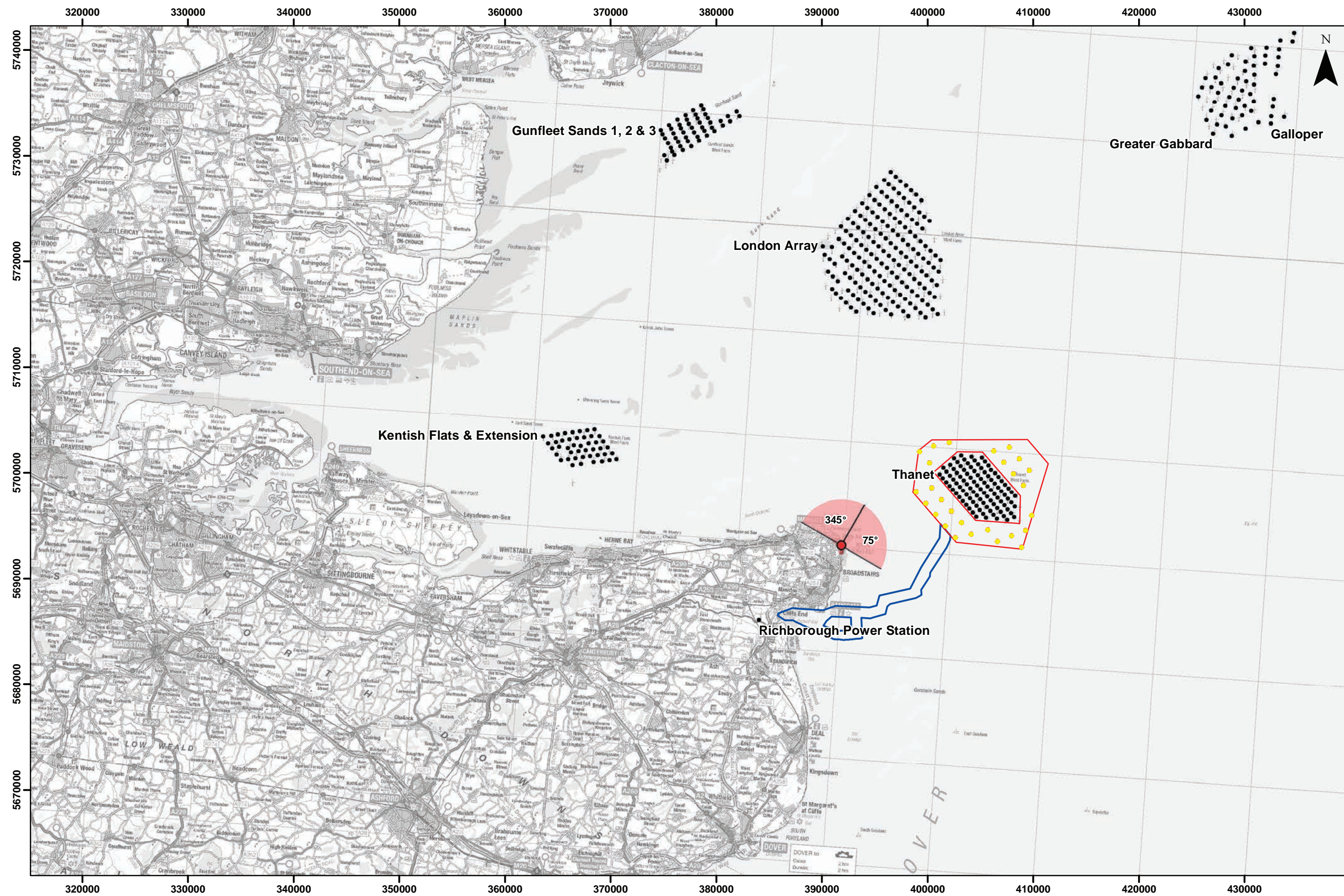
This image provides landscape and visual context only



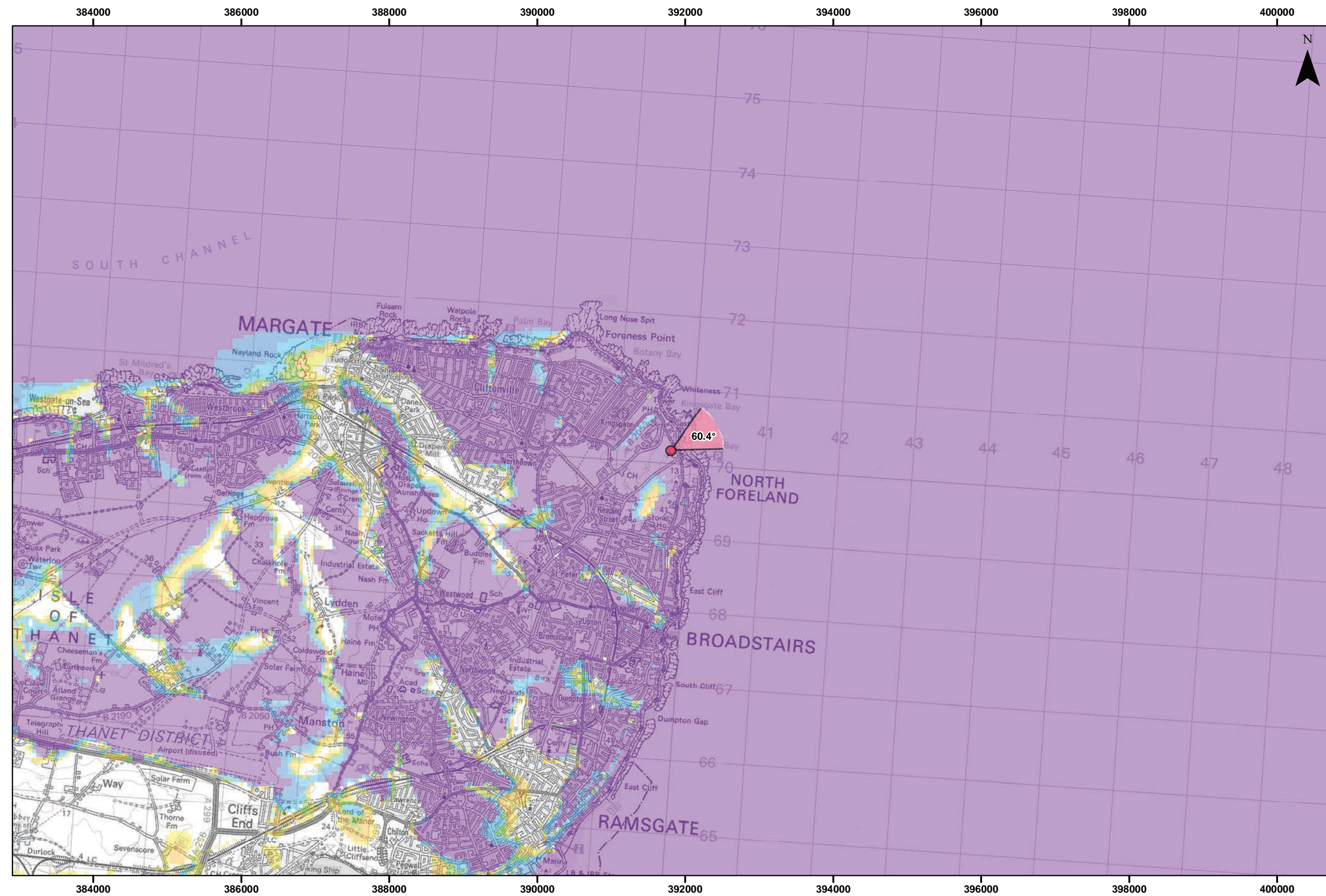
Wireline drawing

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: 29.524 km		Date and time: 12/09/16, 16:27

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



Viewpoint Location Plan
Scale: 1:350,000



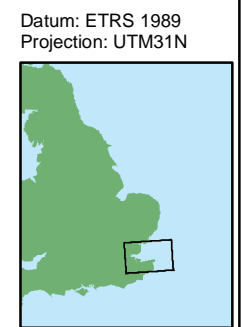
Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.37a
Viewpoint:11
Joss Bay/North Foreland

- Legend**
- Thanet Extension WTG
 - ▭ Proposed Offshore Development Boundary
 - ▭ Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
 - ◡ 90° Field of View
 - ◡ 53.5° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28



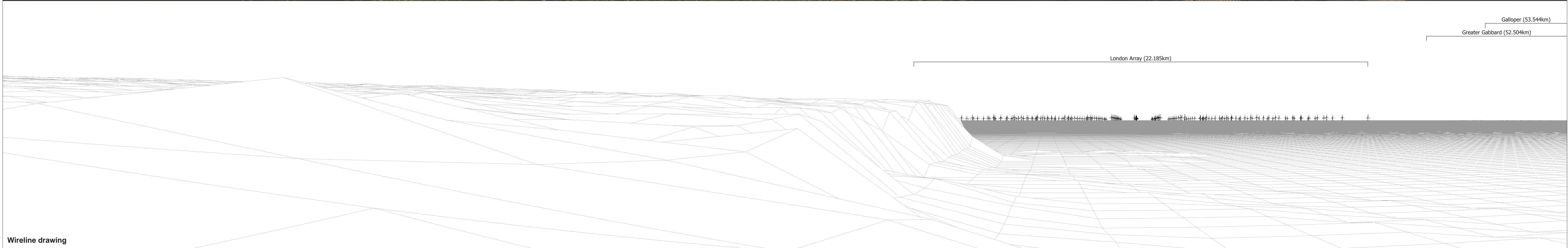
Datum: ETRS 1989
Projection: UTM31N

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Scale AS SHOWN

Org No	Ps	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	07/06/2018
By	JM	Layout	THET2018

Figure 12.37a



OS reference: 639844 E 170115 N
 Eye level: 14.58 m AOD
 Direction of view: 345°
 Nearest turbine: 8.741 km

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

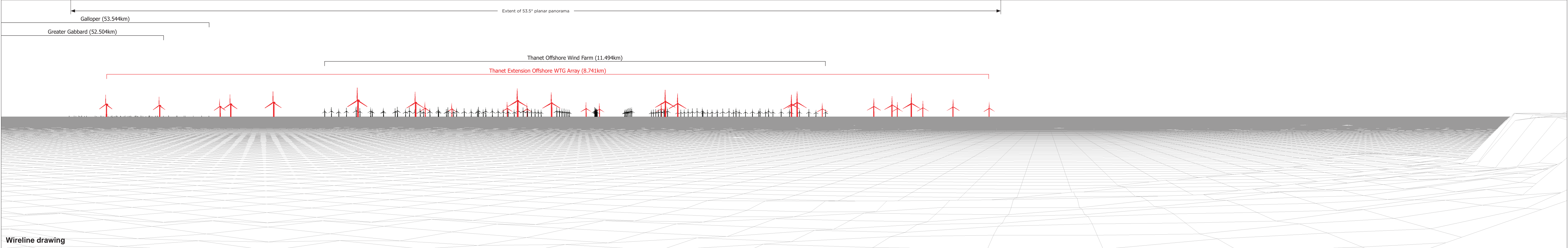
Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 30/05/17, 19:52

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



Baseline photograph

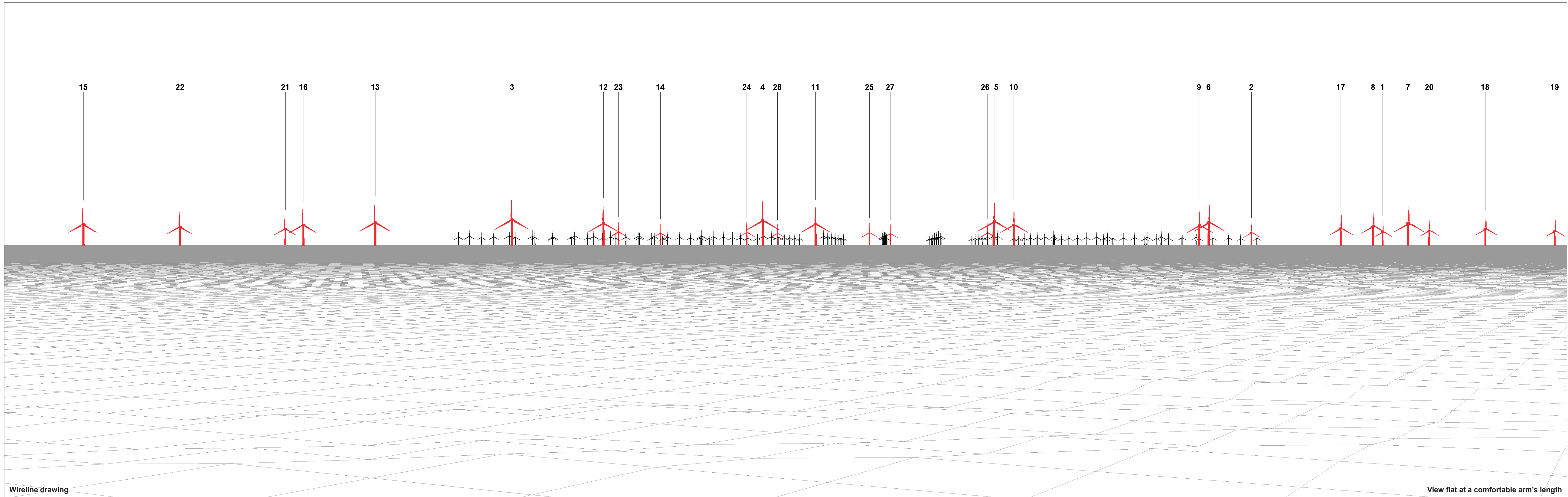
This image provides landscape and visual context only



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: 8.741 km		Date and time: 30/05/17, 19:52

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



Wireline drawing

View flat at a comfortable arm's length

OS reference: 639844 E 170115 N
 Eye level: 14.58 m AOD
 Direction of view: 60.40°
 Nearest turbine: 8.741 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 30/05/17, 19:52

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



Photomontage (due to weather and light conditions, some of the TOWF turbines have been enhanced in this view)

View flat at a comfortable arm's length

OS reference: 639844 E 170115 N
Eye level: 14.58 m AOD
Direction of view: 60.40°
Nearest turbine: 8.741 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

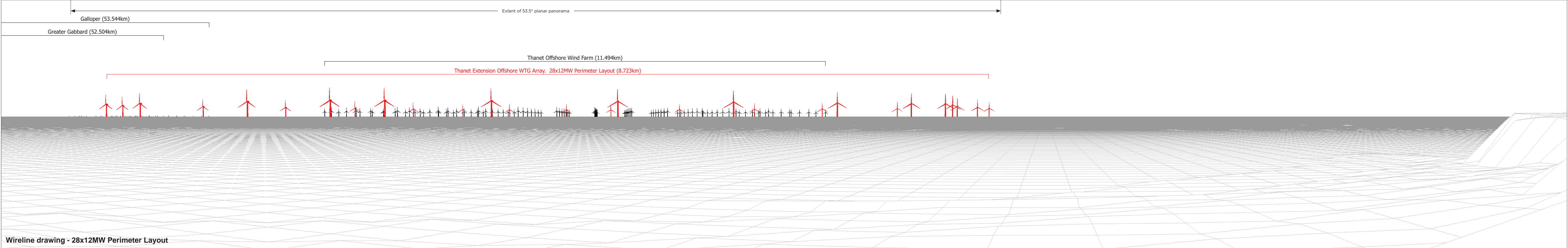
Camera: Canon EOS 6D
Lens: 50mm (Canon EF 50mm f/1.4)
Camera height: 1.5 m AGL
Date and time: 30/05/17, 19:52

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



Baseline photograph

This image provides landscape and visual context only



Wireline drawing - 28x12MW Perimeter Layout

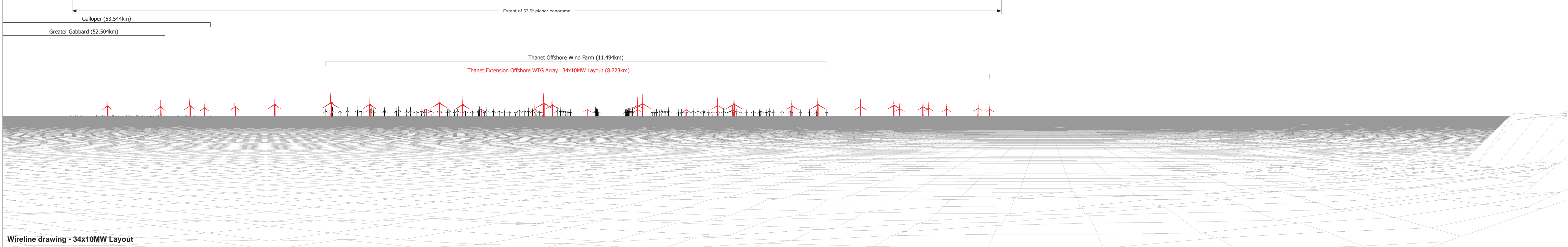
OS reference:	639844 E 170115 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	14.58 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	75°			Camera height:	1.5 m AGL
Nearest turbine:	8.723 km			Date and time:	30/05/17, 19:52

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



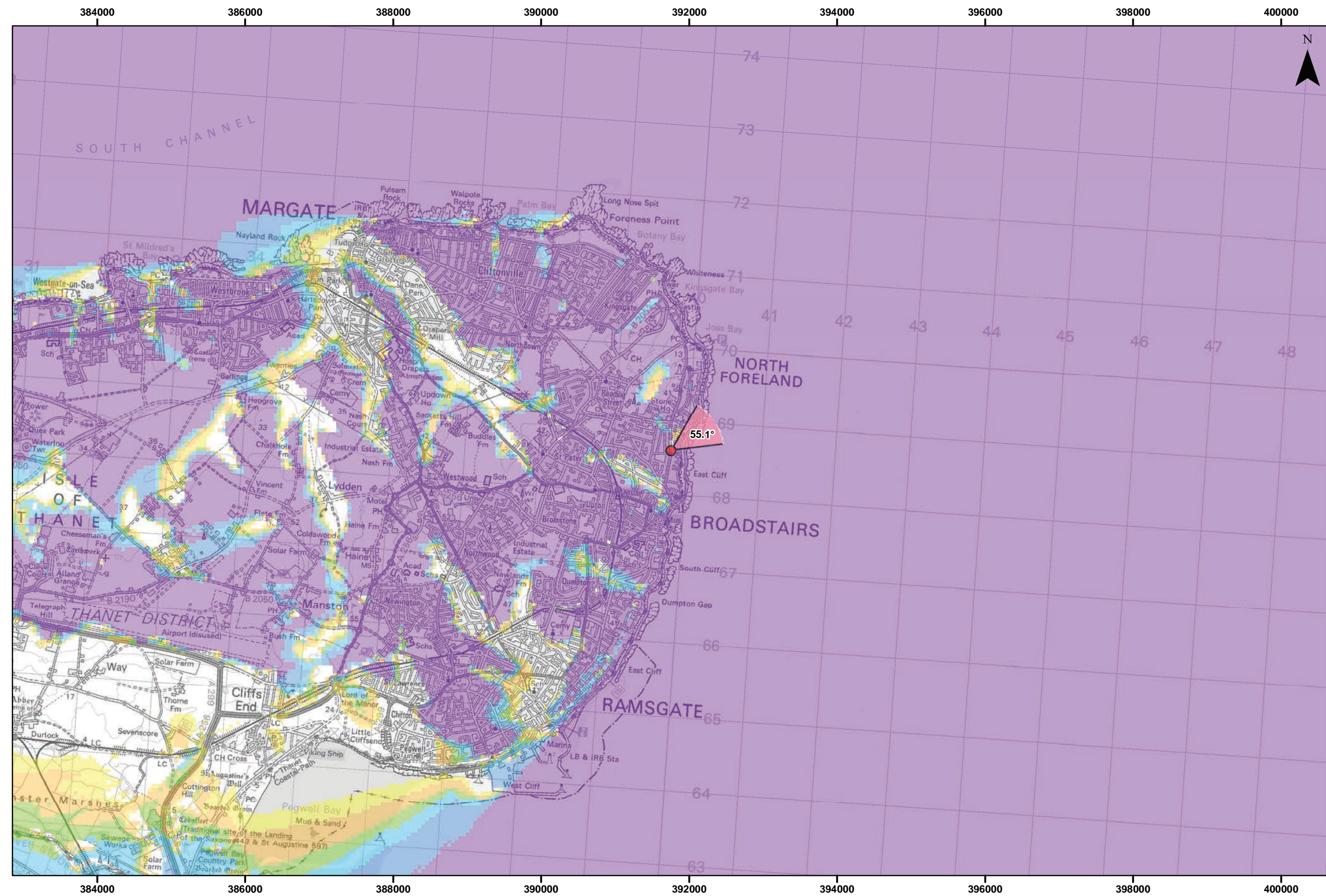
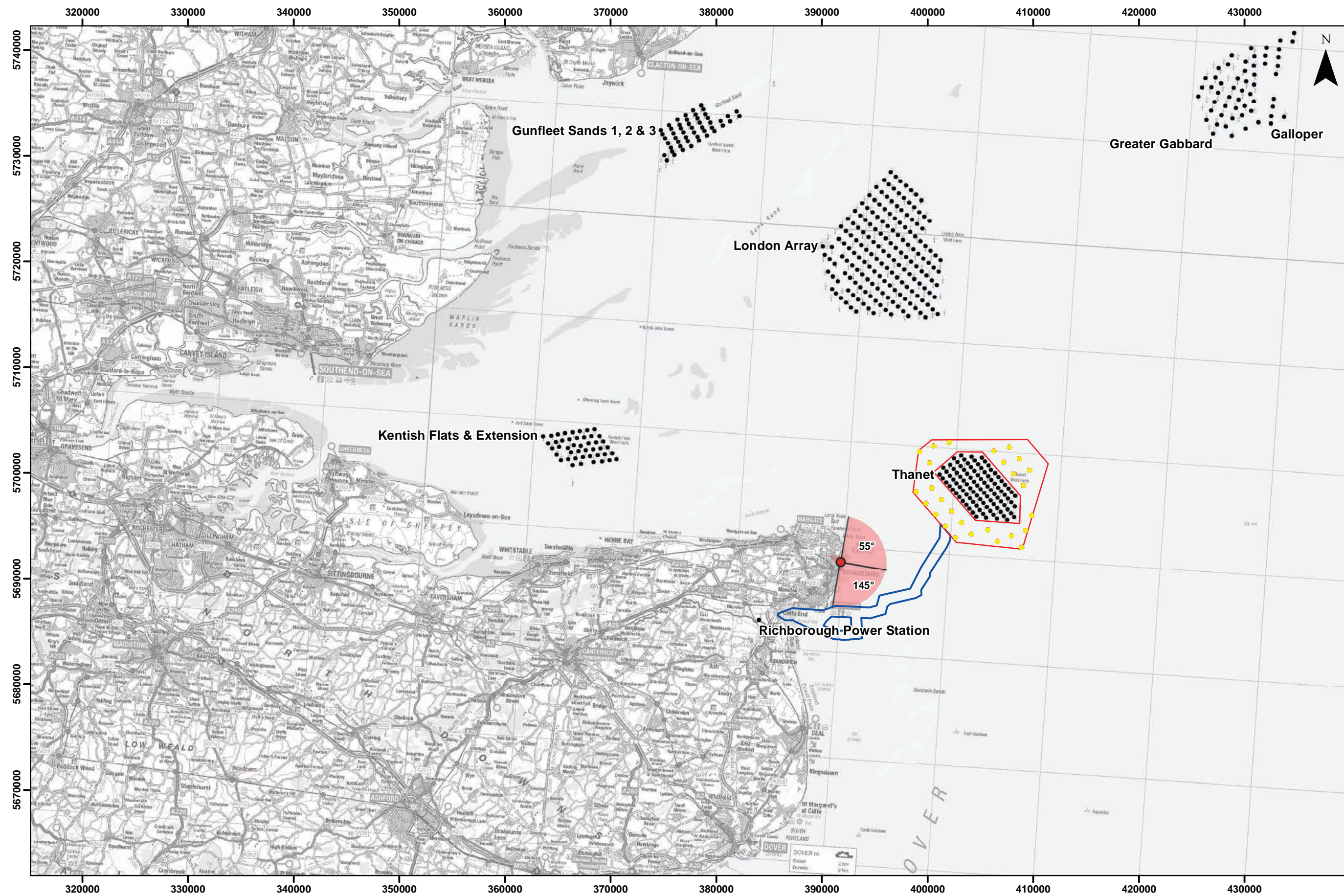
Baseline photograph

This image provides landscape and visual context only



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:	8.723 km			Date and time:	30/05/17, 19:52

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



Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.38a
Viewpoint:12
Stone Bay

- Legend**
- Thanet Extension WTG
 - ▭ Proposed Offshore Development Boundary
 - ▭ Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
 - ▼ 90° Field of View
 - ▼ 53.5° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28

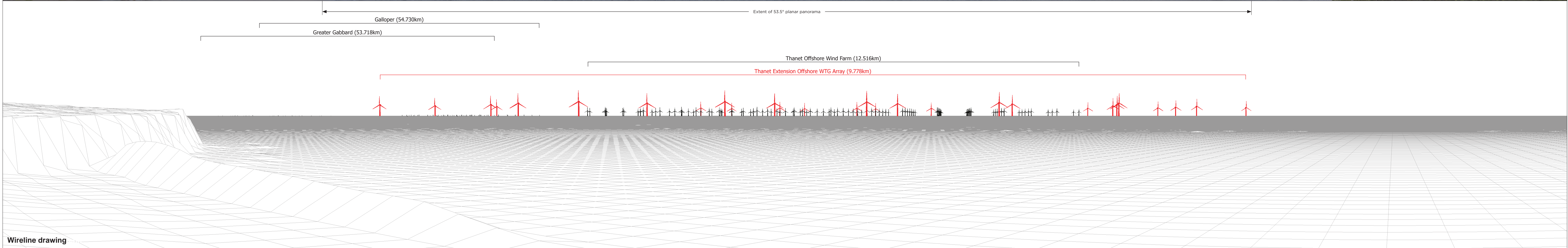


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Scale AS SHOWN

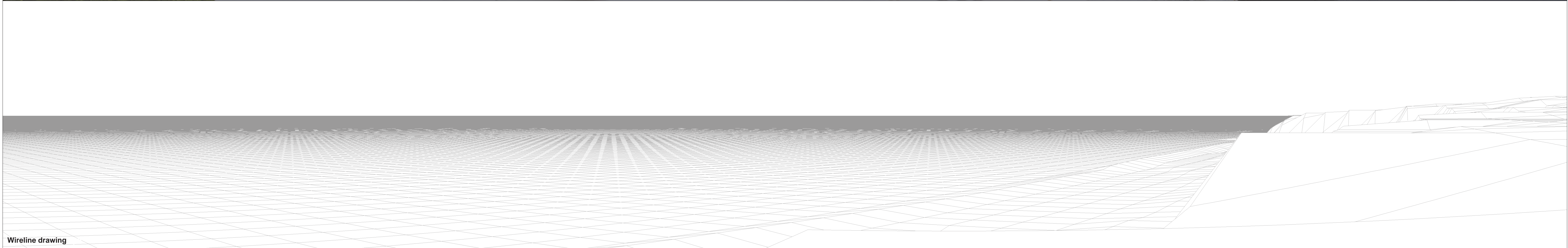
Drg No	Ps	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	07/06/2018
By	JM	Layout	THET2018

Figure 12.38a



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

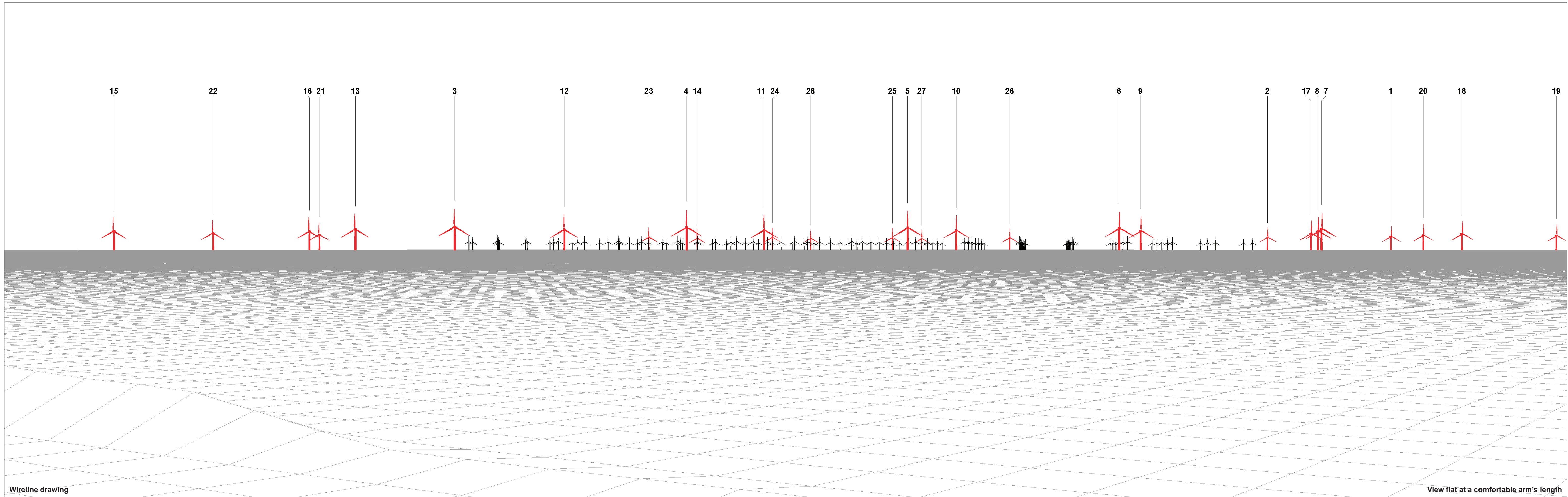


OS reference: 639904 E 168539 N
 Eye level: 19.76 m AOD
 Direction of view: 145°
 Nearest turbine: 9.778 km

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: 30/05/17, 20:02

Figure: 12.38c
 Viewpoint 12: Stone Bay



Wireline drawing

View flat at a comfortable arm's length

OS reference: 639904 E 168539 N
 Eye level: 19.76 m AOD
 Direction of view: 55.10°
 Nearest turbine: 9.778 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 30/05/17, 20:02

Figure: 12.38d
 Viewpoint 12: Stone Bay

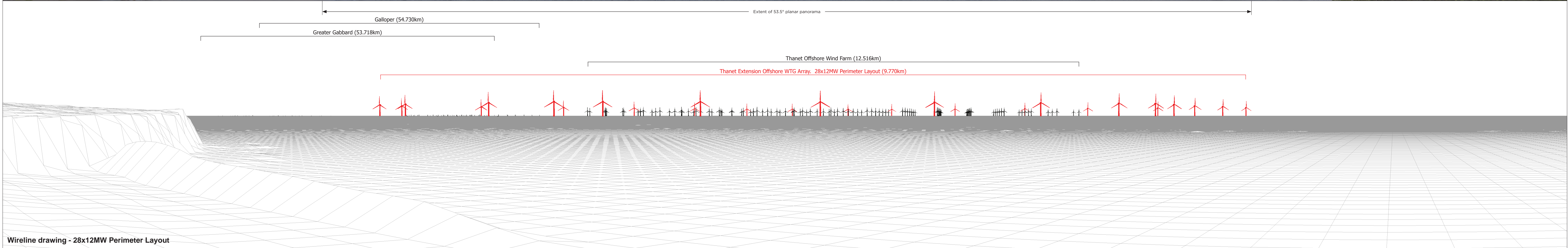


Photomontage

View flat at a comfortable arm's length

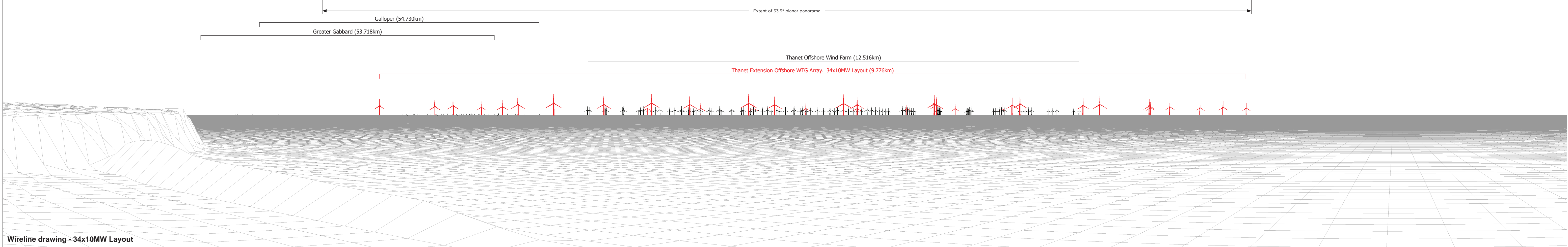
OS reference: 639904 E 168539 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 6D
Eye level: 19.76 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 55.10°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 9.778 km	Correct printed image size: 820 x 260 mm	Date and time: 30/05/17, 20:02

Figure: 12.38e
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:	9.770 km			Date and time:	30/05/17, 20:02

Figure: 12.38f
Viewpoint 12: Stone Bay

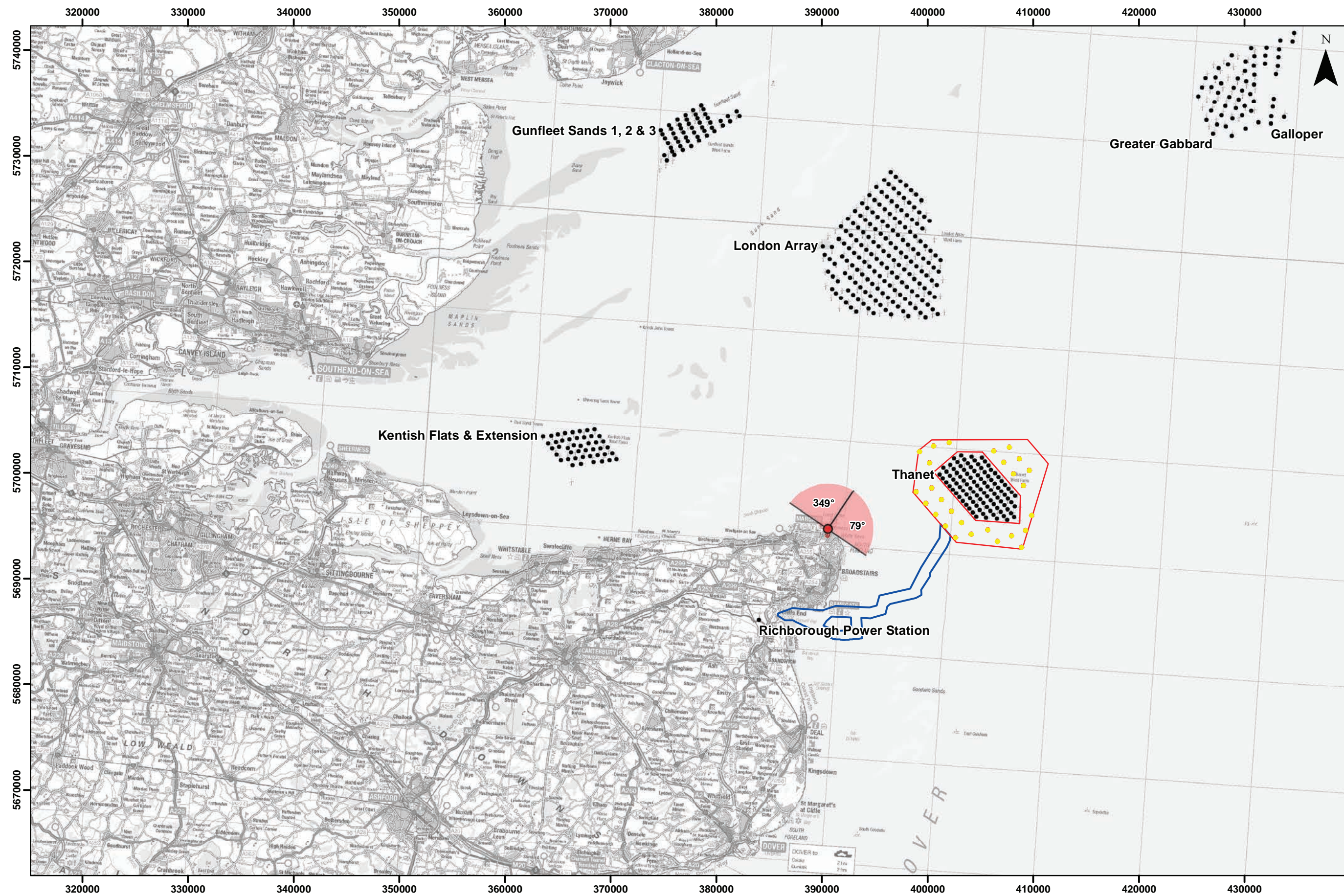


OS reference: 639904 E 168539 N
 Eye level: 19.76 m AOD
 Direction of view: 55°
 Nearest turbine: 9.776 km

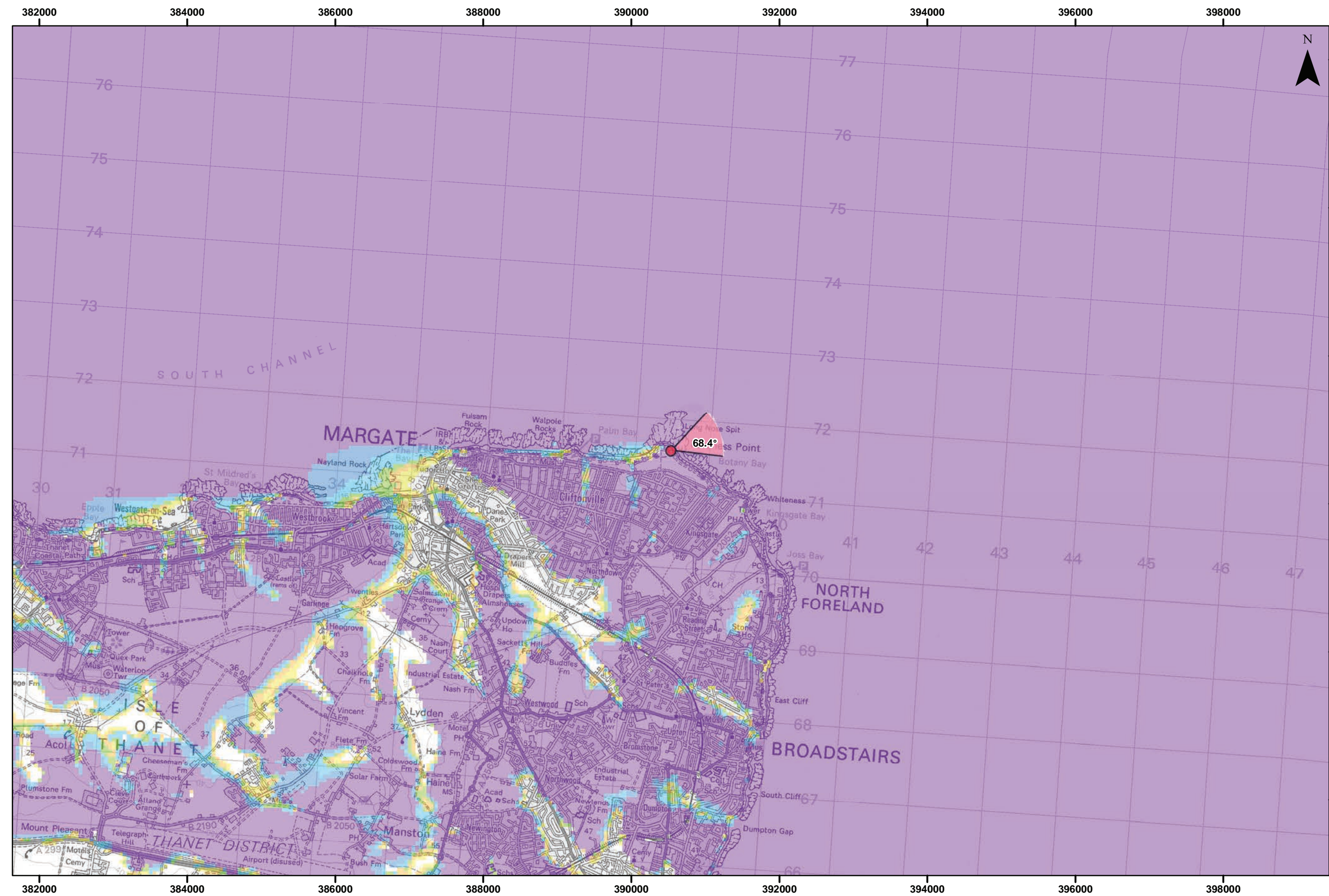
Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 30/05/17, 20:02

Figure: 12.38g
 Viewpoint 12: Stone Bay



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

open optimised environments **VATTENFALL**

THANET EXTENSION OFFSHORE WIND FARM

Figure 12.39a
Viewpoint:13
Foreness Point/Palm Bay

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989
Projection: UTM31N

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Scale AS SHOWN

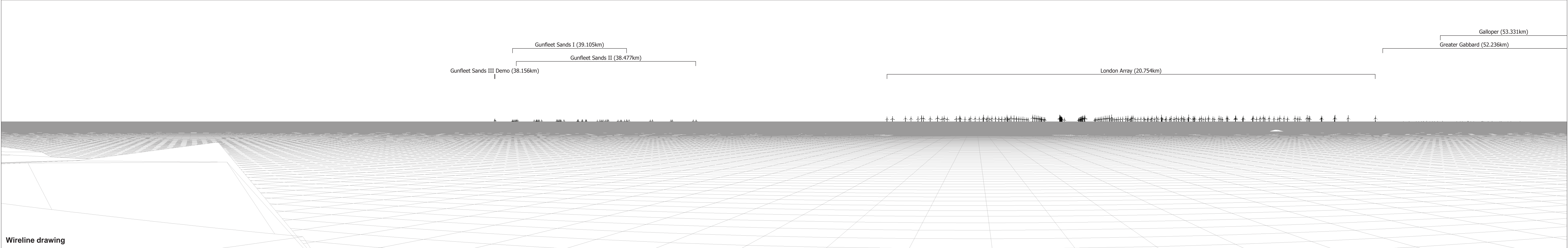
Org No	Ps.	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	05/06/2018
By	JM	Layout	THET2018

Figure 12.39a



Baseline photograph

This image provides landscape and visual context only

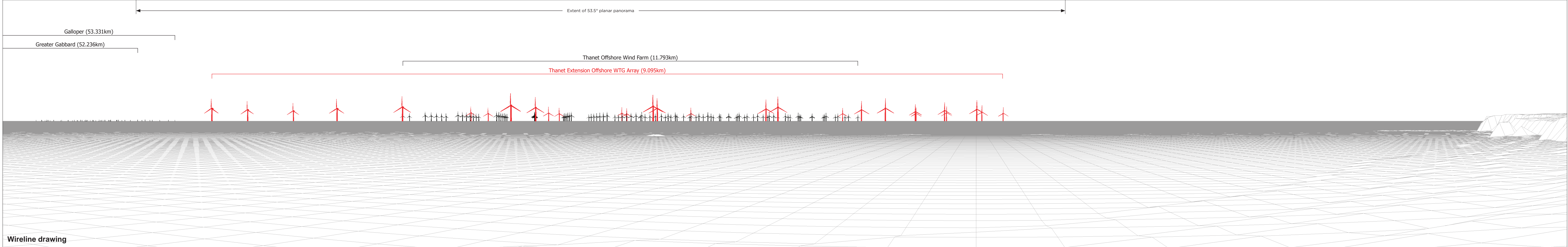


OS reference: 638468 E 171580 N Eye level: 15.5 m AOD Direction of view: 349° Nearest turbine: 9.095 km	Horizontal field of view: 90° (cylindrical projection) Principal distance: 522 mm	Camera: Canon EOS 6D Lens: 50mm (Canon EF 50mm f/1.4) Camera height: 1.5 m AGL Date and time: 30/05/17, 17:06	Figure: 12.39b Viewpoint 13: Foreness Point / Palm Bay
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Baseline photograph

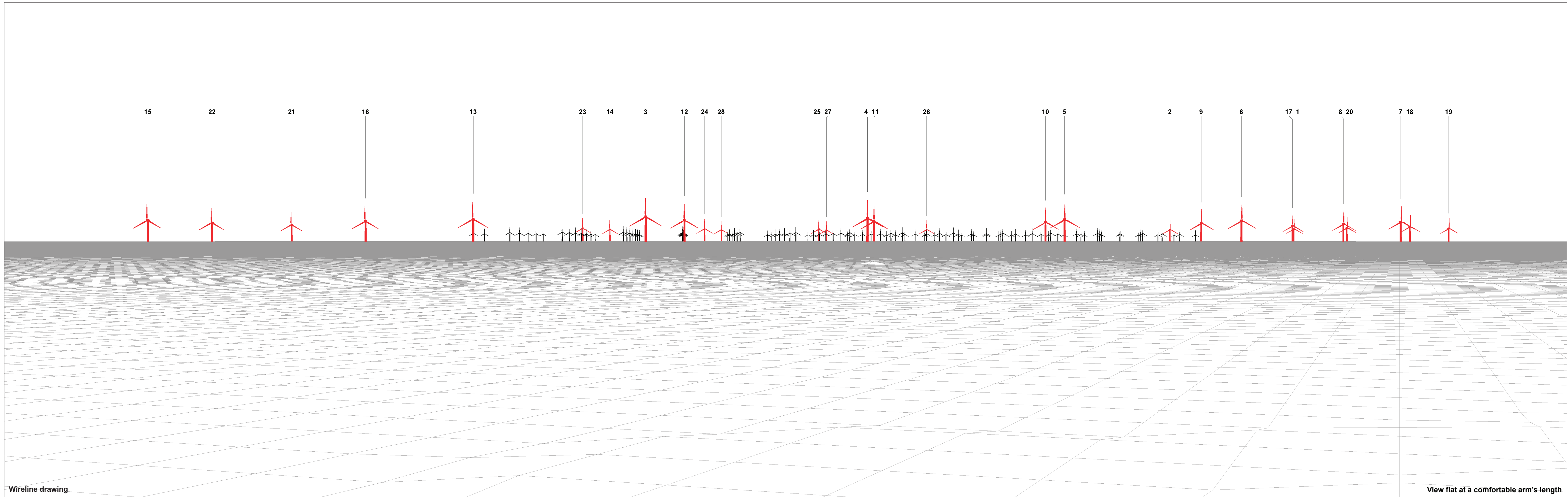
This image provides landscape and visual context only



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



Wireline drawing

View flat at a comfortable arm's length

OS reference: 638468 E 171580 N
 Eye level: 15.5 m AOD
 Direction of view: 68.4°
 Nearest turbine: 9.095 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 30/05/17, 17:06

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

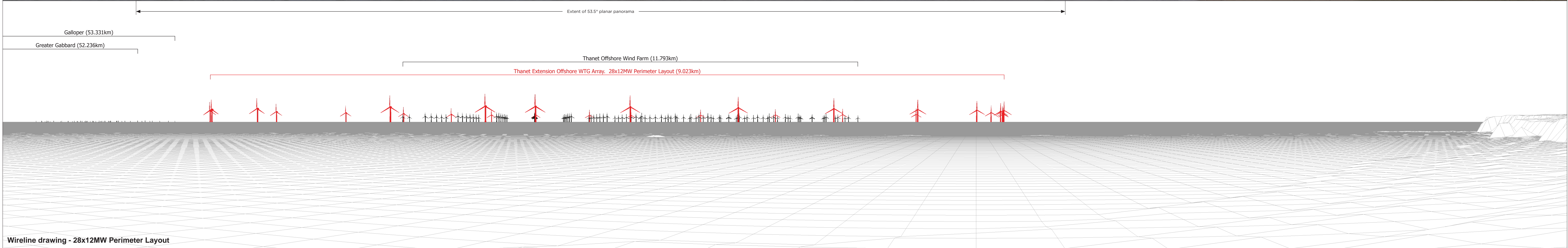


Photomontage (due to weather and light conditions, TOWF has been photomontaged in this view)

View flat at a comfortable arm's length

OS reference: 638468 E 171580 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 6D
Eye level: 15.5 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 68.4°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 9.095 km	Correct printed image size: 820 x 260 mm	Date and time: 30/05/17, 17:06

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



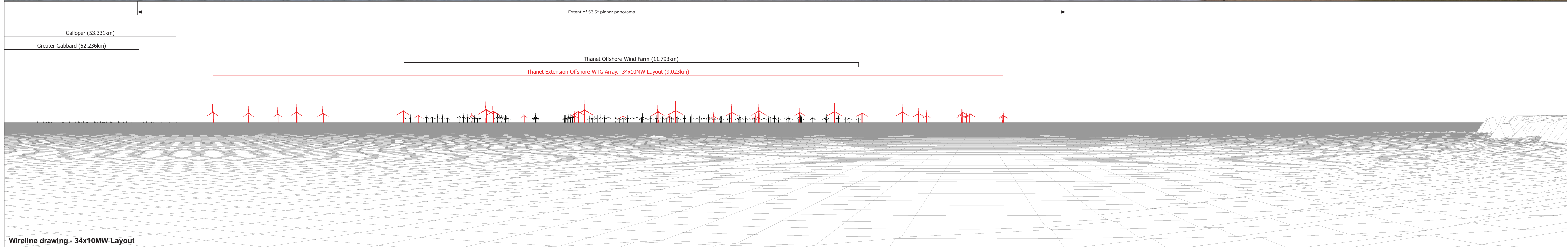
OS reference:	638468 E 171580 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	15.5 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	79°			Camera height:	1.5 m AGL
Nearest turbine:	9.023 km			Date and time:	30/05/17, 17:06

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



Baseline photograph

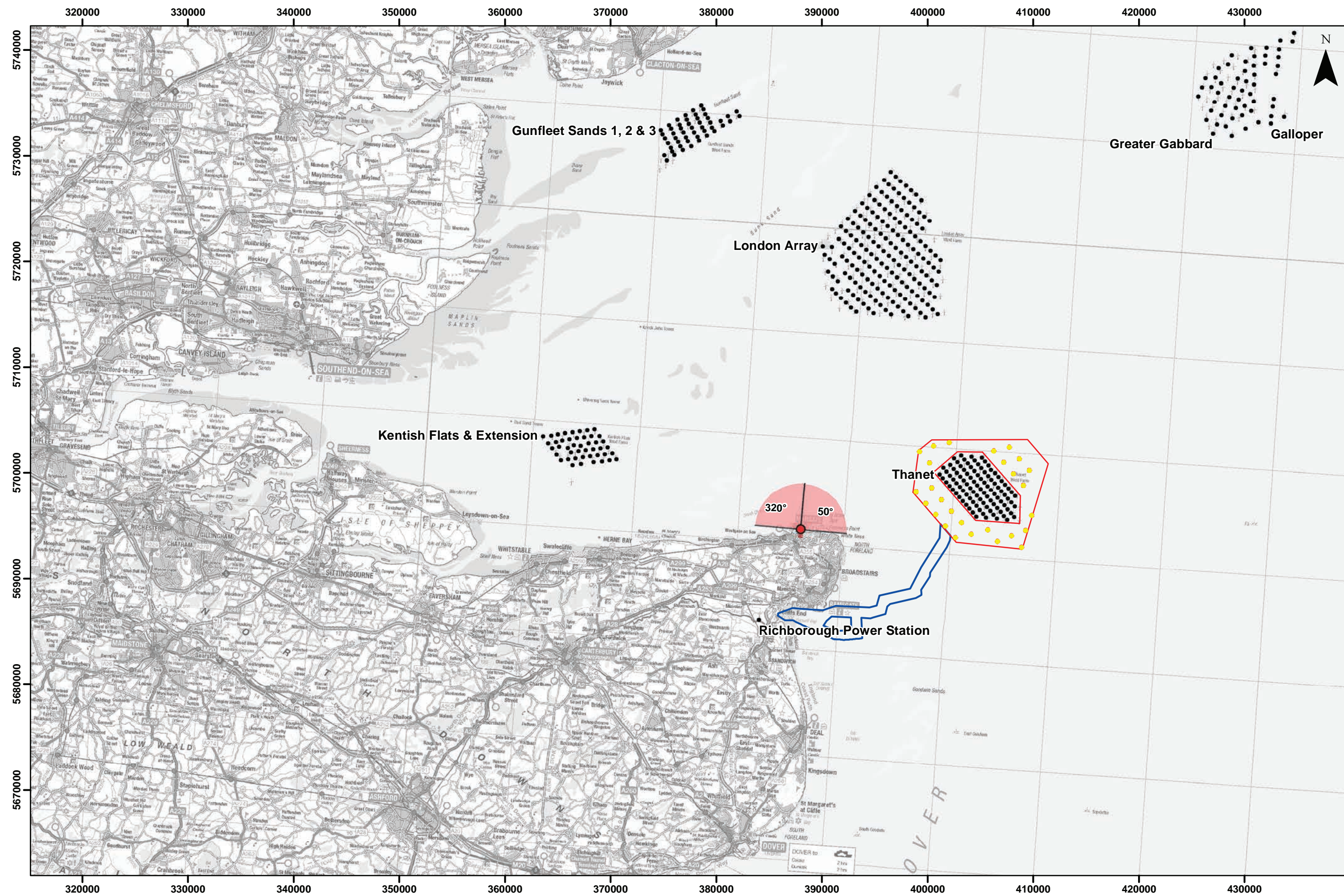
This image provides landscape and visual context only



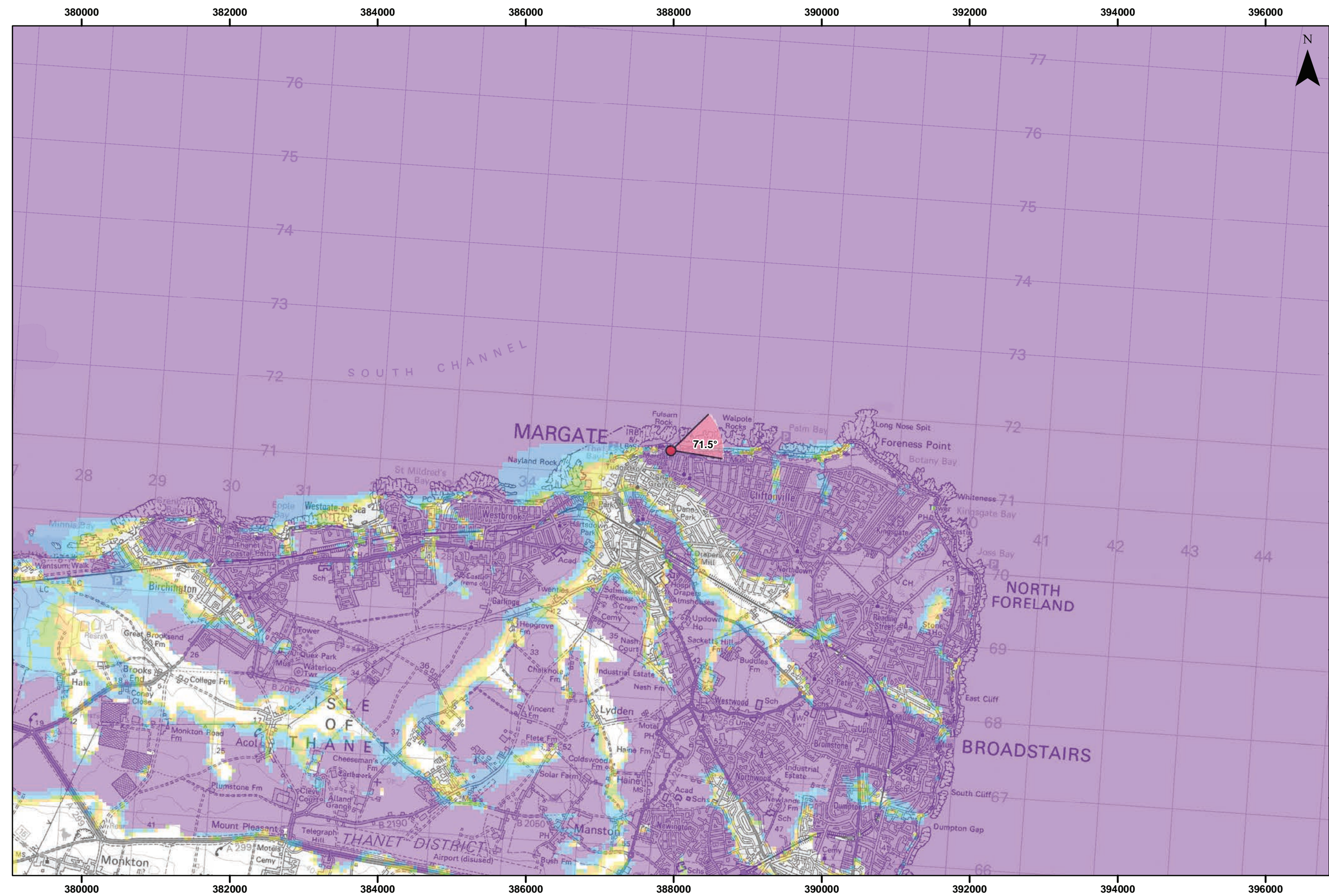
Wireline drawing - 34x10MW Layout

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:	9.023 km			Date and time:	30/05/17, 17:06

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



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.40a

Viewpoint:14
Walpole Bay, Margate

Legend

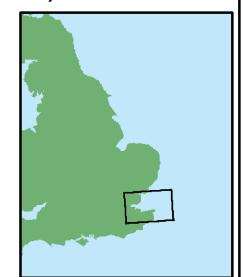
- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989
Projection: UTM31N

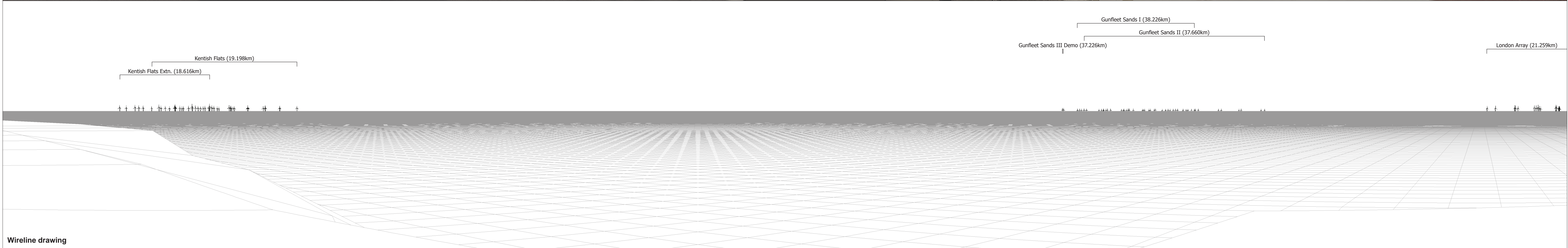


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Scale AS SHOWN

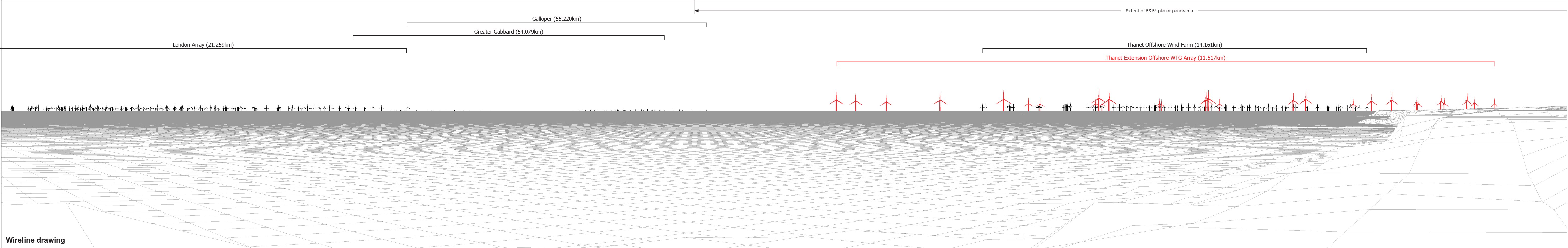
Org No	Ps.	LOCATION_PLANS_DDP	Figure
Rev	0.2	Date	05/06/2018
By	JM	Layout	THET2018

**Figure
12.40a**



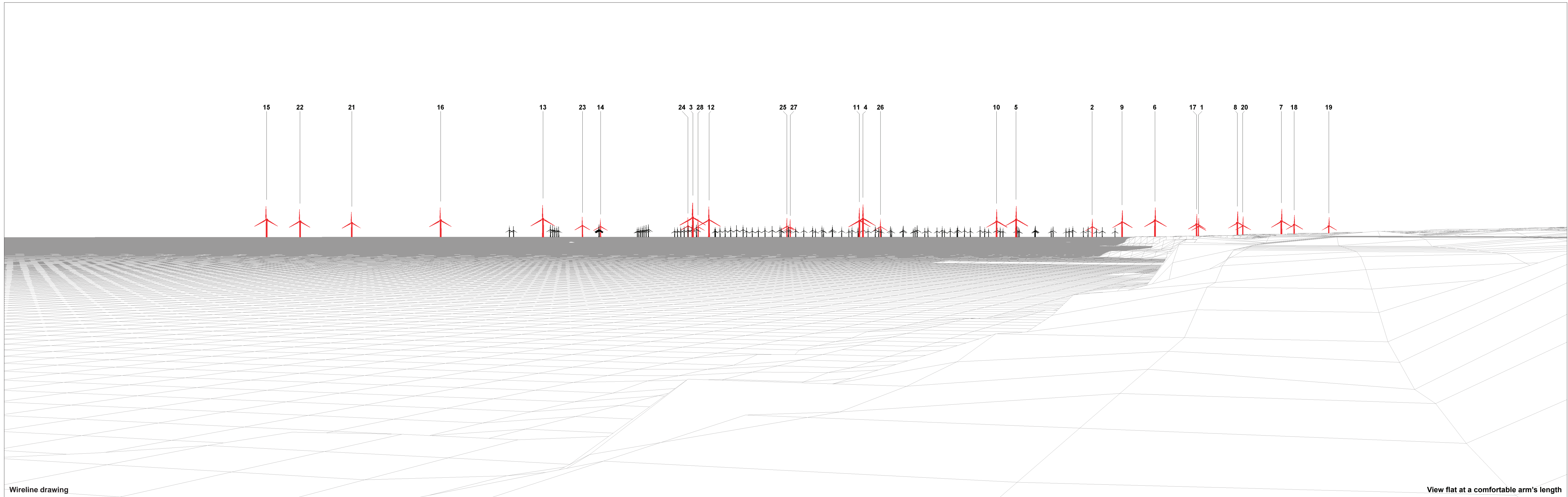
OS reference:	635906 E 171374 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	17.48 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	320°			Camera height:	1.5 m AGL
Nearest turbine:	11.517 km			Date and time:	30/05/17, 16:36

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



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)



Wireline drawing

View flat at a comfortable arm's length

OS reference: 635906 E 171374 N
 Eye level: 15.53 m AOD
 Direction of view: 71.5°
 Nearest turbine: 11.517 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 13/09/16, 15:10

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



Photomontage (due to weather and light conditions, TOWF has been photomontaged in this view)

View flat at a comfortable arm's length

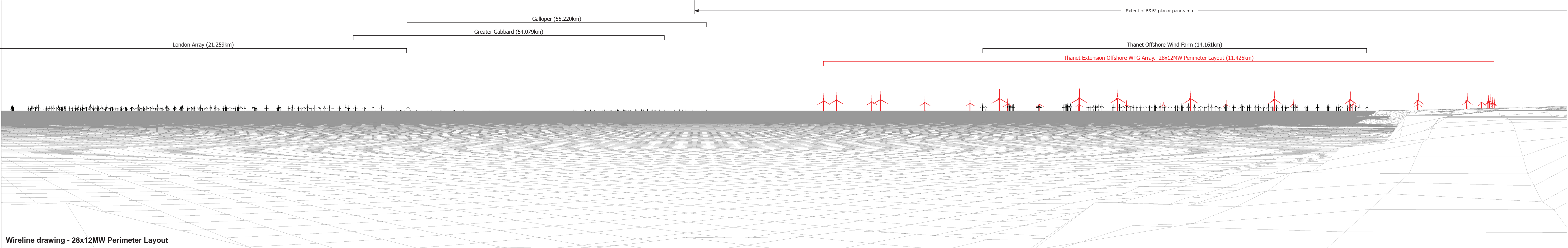
OS reference: 635906 E 171374 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 6D
Eye level: 15.53 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 71.5°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 11.517 km	Correct printed image size: 820 x 260 mm	Date and time: 13/09/16, 15:10

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



Baseline photograph

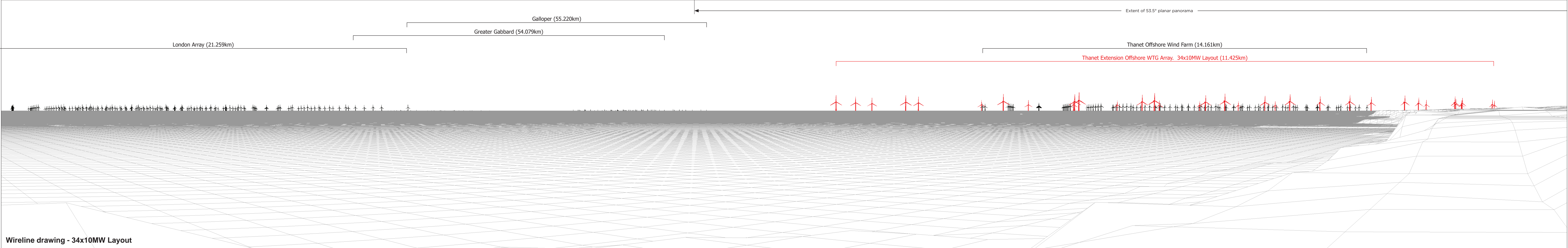
This image provides landscape and visual context only



Wireline drawing - 28x12MW Perimeter Layout

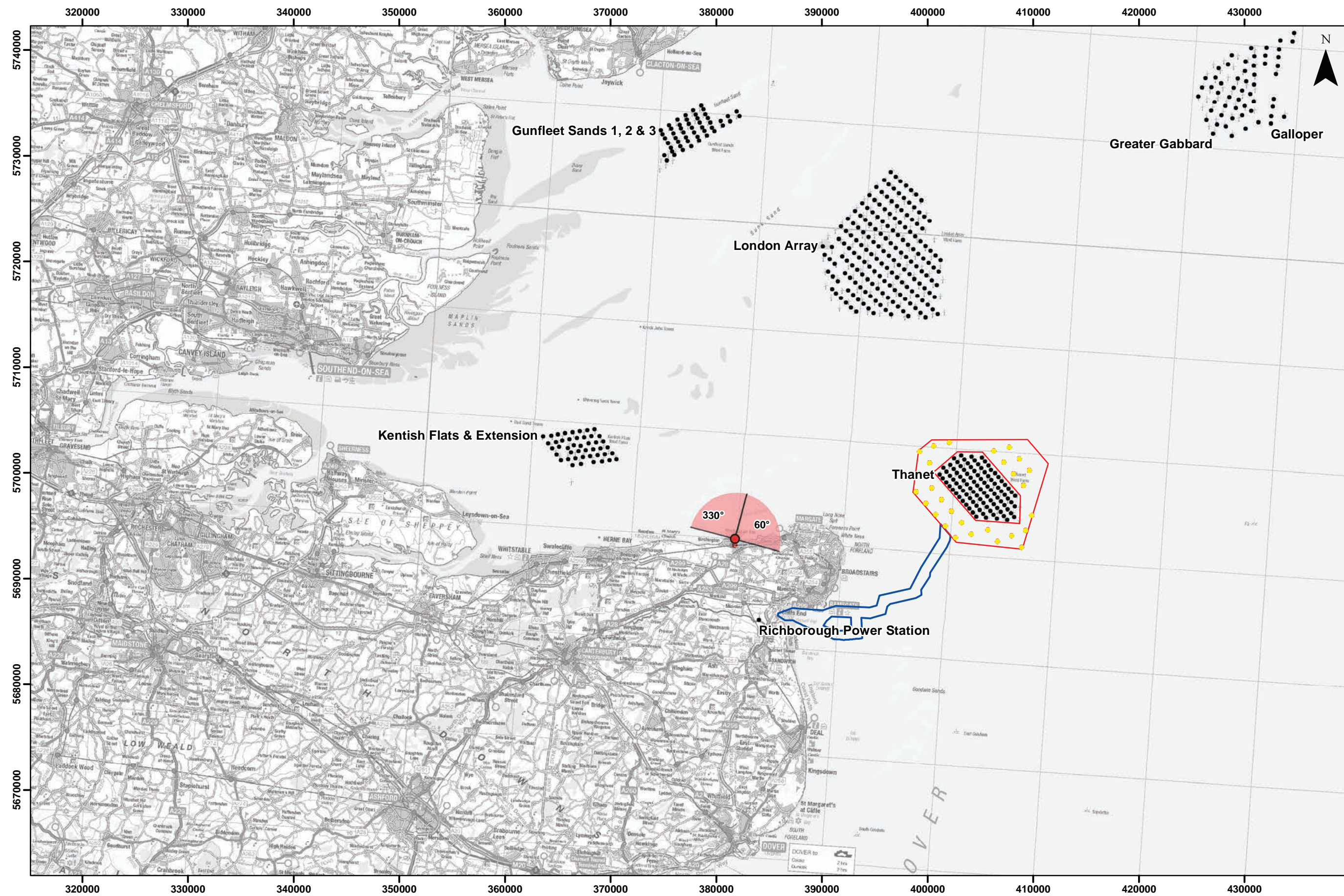
OS reference:	635906 E 171374 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	17.48 m AOD	Principal distance:	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	50°			Camera height:	1.5 m AGL
Nearest turbine:	11.425 km			Date and time:	30/05/17, 16:36

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

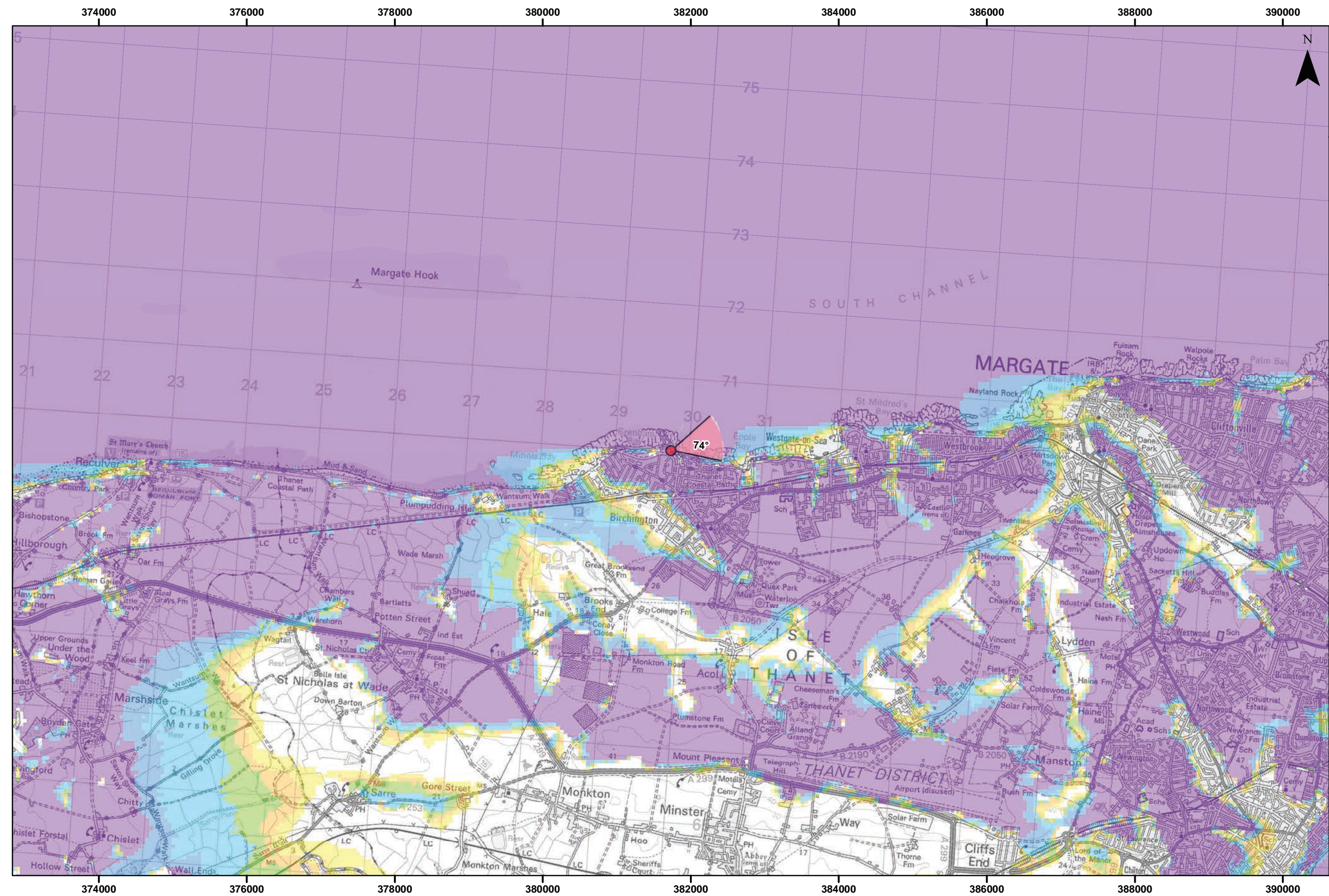


OS reference: 635906 E 171374 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 17.48 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 50°		Camera height: 1.5 m AGL
Nearest turbine: 11.425 km		Date and time: 30/05/17, 16:36

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



Viewpoint Location Plan
Scale: 1:350,000



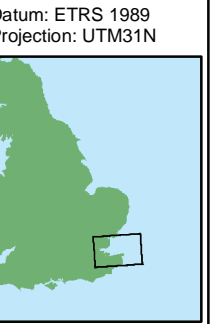
Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.41a
Viewpoint:15
Birchington-on-Sea, Grenham
Bay

- Legend**
- Thanet Extension WTG
 - Proposed Offshore Development Boundary
 - Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
 - 90° Field of View
 - 53.5° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28



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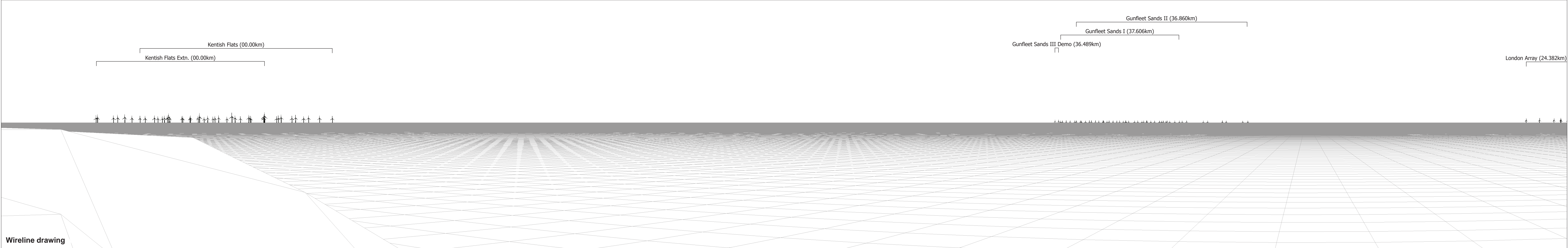
Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.41a
Rev	0.2	Date	
By	JM	Layout	THET2018



Baseline photograph

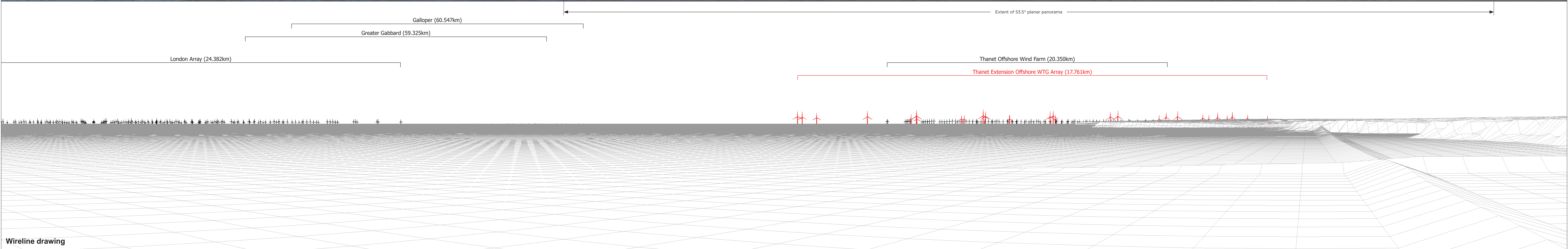
This image provides landscape and visual context only



Wireline drawing

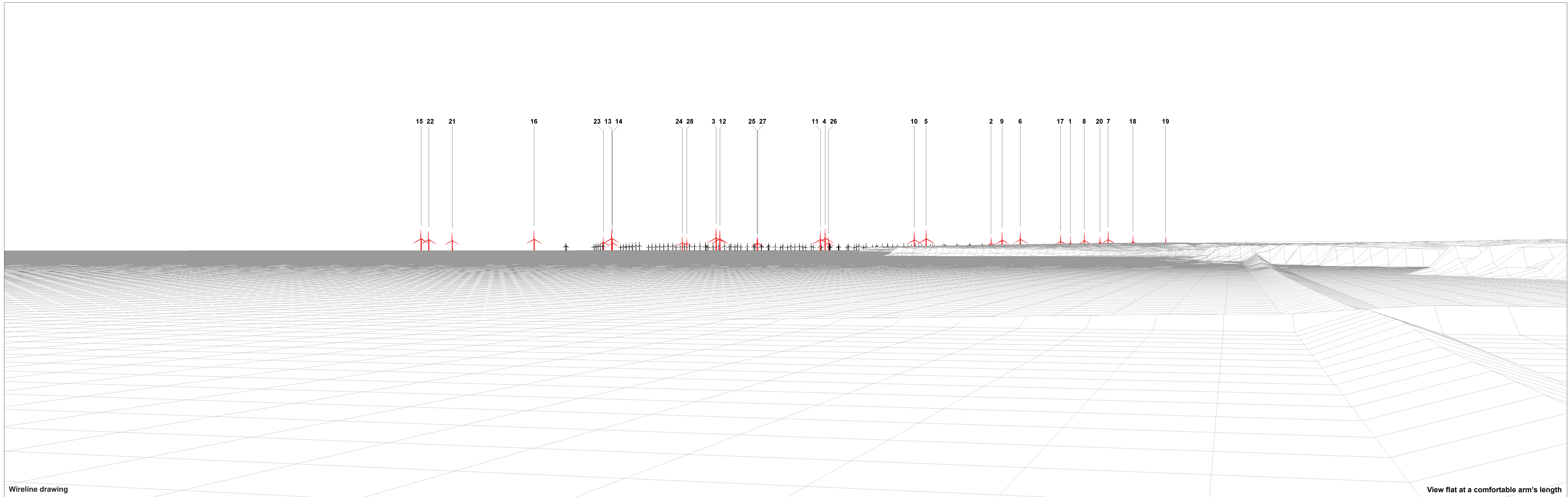
OS reference: 629753 E 170019 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 12.30 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 330°		Camera height: 1.5 m AGL
Nearest turbine: 17.761 km		Date and time: 30/05/17, 16:02

Figure: 12.41b
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:	17.761 km			Date and time:	30/05/17, 16:02

Figure: 12.41c
Viewpoint 15: Birchington on Sea



Wireline drawing

View flat at a comfortable arm's length

OS reference: 629753 E 170019 N
 Eye level: 12.30 m AOD
 Direction of view: 74°
 Nearest turbine: 17.761 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 13/09/16, 15:43

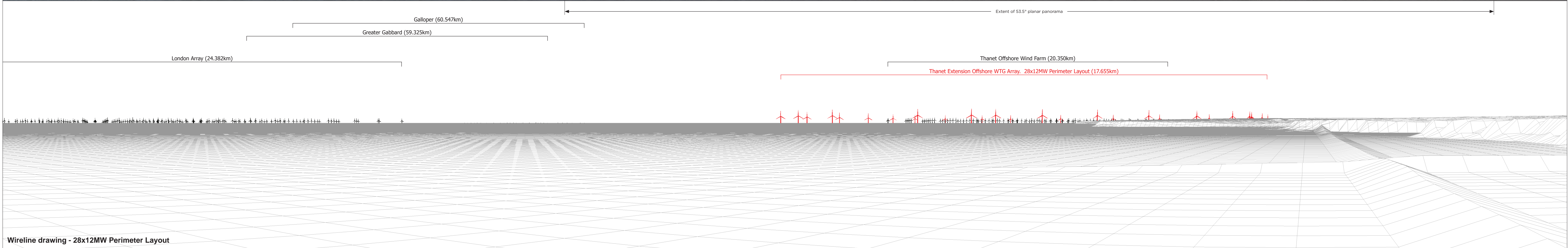
Figure: 12.41d
 Viewpoint 15: Birchington on Sea



Photomontage (due to weather and light conditions, TOWF has been photomontaged in this view)

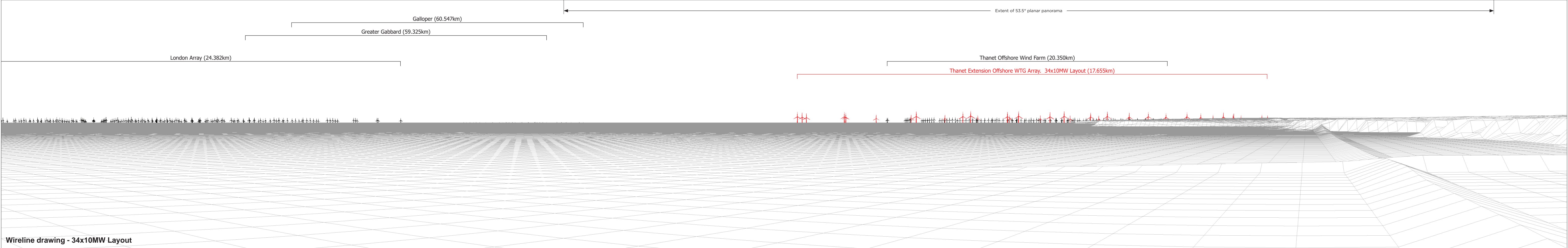
View flat at a comfortable arm's length

OS reference: 629753 E 170019 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 6D	
Eye level: 12.30 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)	
Direction of view: 74°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL	
Nearest turbine: 17.761 km	Correct printed image size: 820 x 260 mm	Date and time: 13/09/16, 15:43	Figure: 12.41e Viewpoint 15: Birchington on Sea



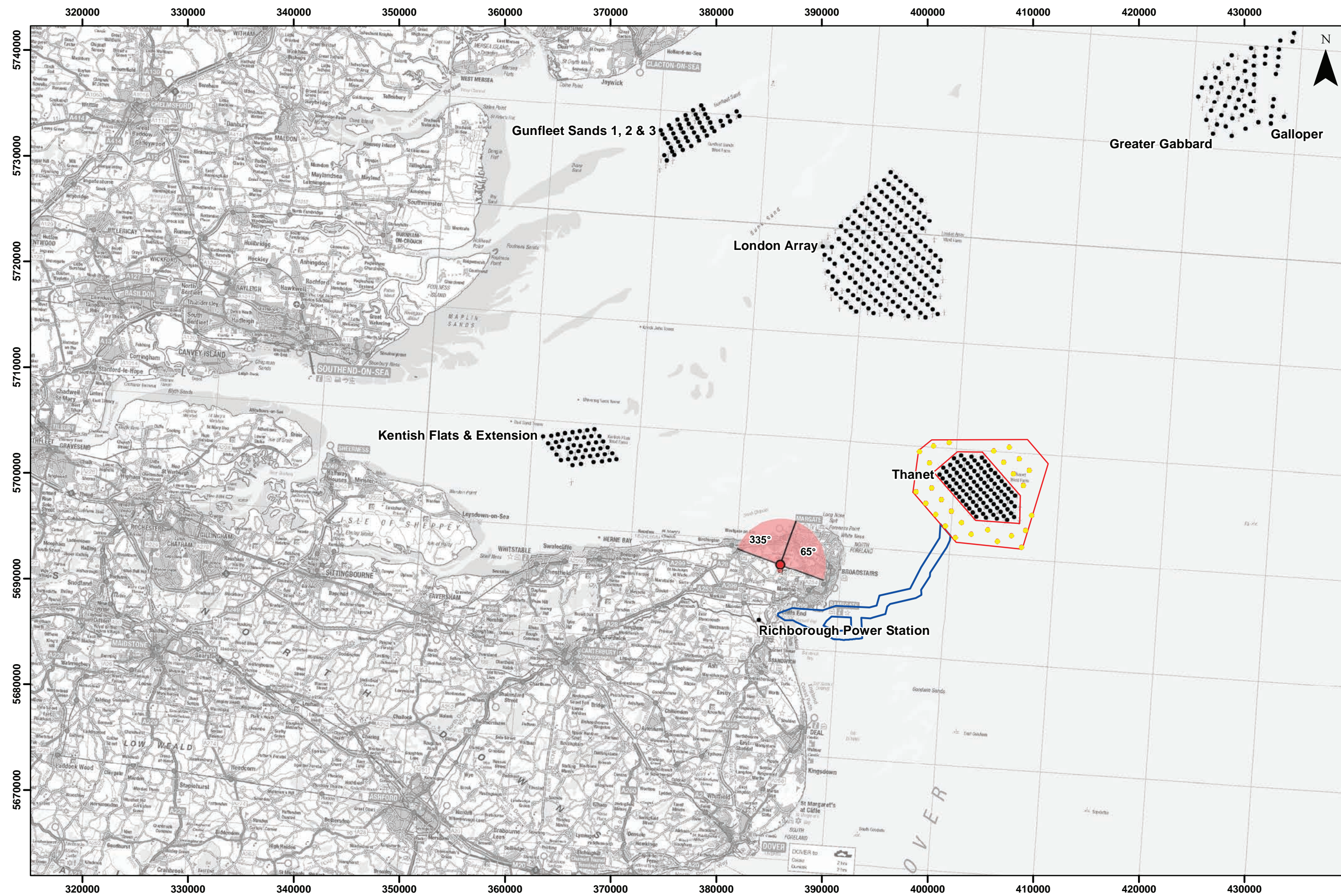
OS reference:	629753 E 170019 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	12.30 m AOD	Principal distance	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	60°			Camera height:	1.5 m AGL
Nearest turbine:	17.655 km			Date and time:	30/05/17, 16:02

Figure: 12.41f
Viewpoint 15: Birchington on Sea

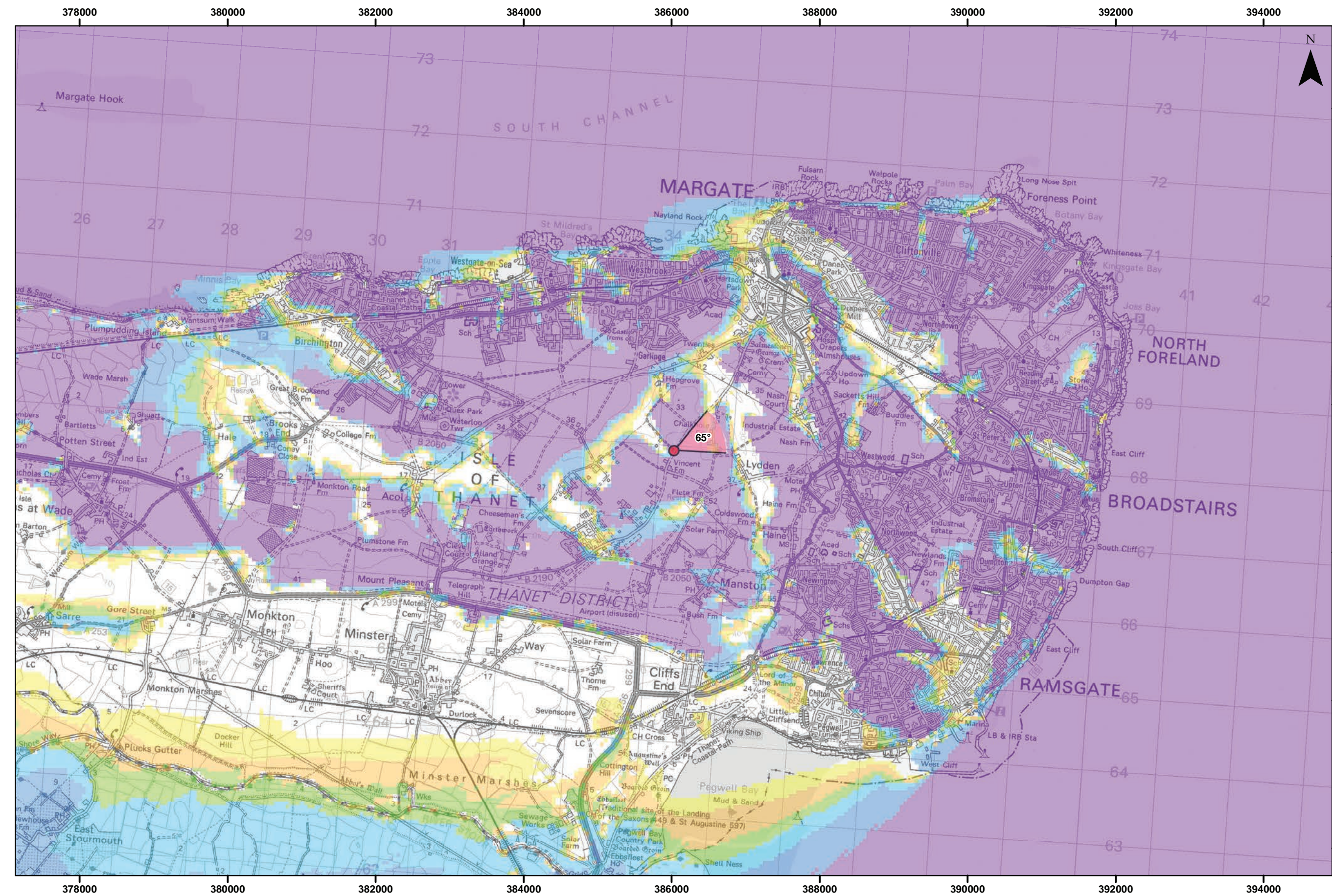


OS reference: 629753 E 170019 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 12.30 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 60°		Camera height: 1.5 m AGL
Nearest turbine: 17.655 km		Date and time: 30/05/17, 16:02

Figure: 12.41g
Viewpoint 15: Birchington on Sea



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

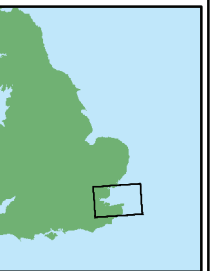
Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

**THANET EXTENSION
OFFSHORE WIND FARM**

Figure 12.42a
Viewpoint:16
Isle of Thanet, Manston Road
near PRow

- Legend**
- Thanet Extension WTG
 - Proposed Offshore Development Boundary
 - Offshore Cable Corridor
- Wind Farm Status (1:350,000 only)
- Operational
 - 90° Field of View
 - 53.5° Field of View
- Blade Tip ZTV
- No. of Blade Tips Visible
- 1 - 5
 - 6 - 10
 - 11 - 14
 - 15 - 19
 - 20 - 25
 - 26 - 28

Datum: ETRS 1989
Projection: UTM31N



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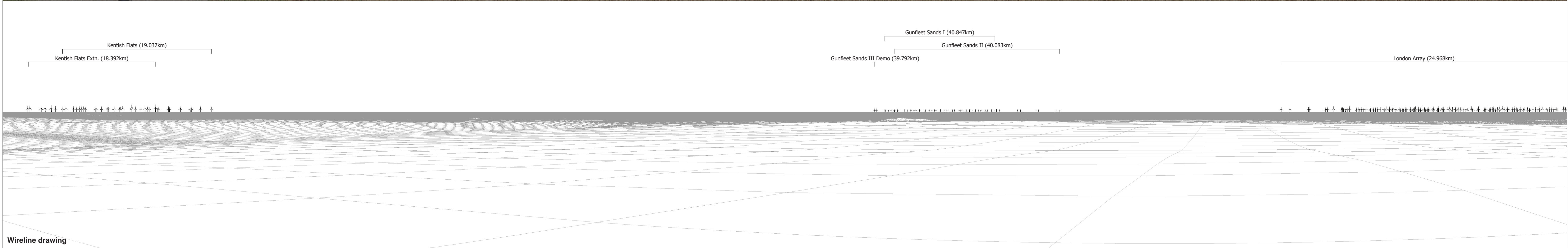
Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.42a
Rev	0.2	Date	
By	JM	Layout	THET2018



Baseline photograph

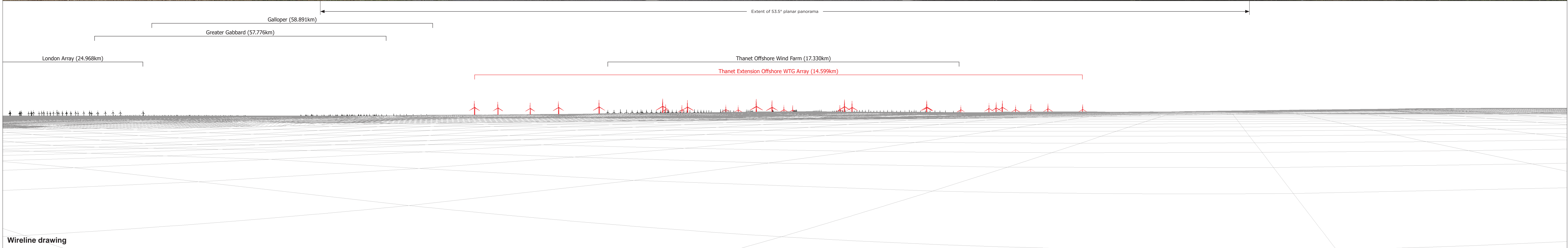
This image provides landscape and visual context only



Wireline drawing

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: 335°		Camera height: 1.5 m AGL
Nearest turbine: 14.599 km		Date and time: 05/07/17, 10:13

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

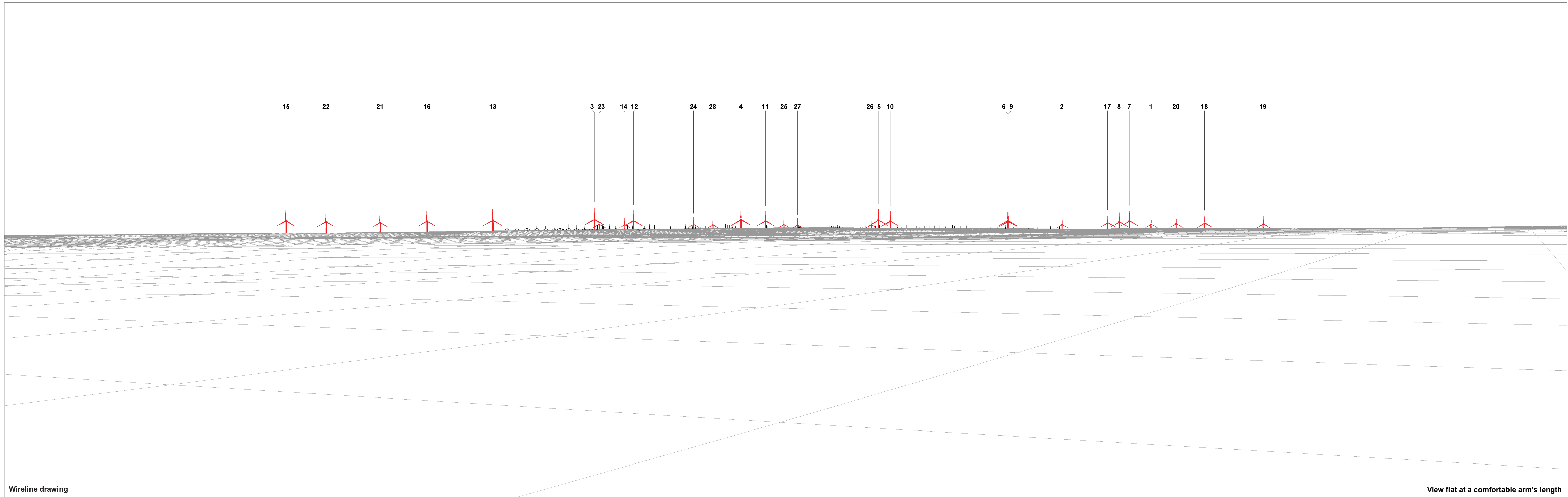


OS reference: 634213 E 167932 N
 Eye level: 43 m AOD
 Direction of view: 65°
 Nearest turbine: 14.599 km

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: 05/07/17, 10:13

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



Wireline drawing

View flat at a comfortable arm's length

OS reference: 634213 E 167932 N
 Eye level: 43 m AOD
 Direction of view: 65°
 Nearest turbine: 14.599 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 05/07/17, 10:13

Figure: 12.42d
 Viewpoint 16: Isle of Thanet, Mansons Road near
 PRow

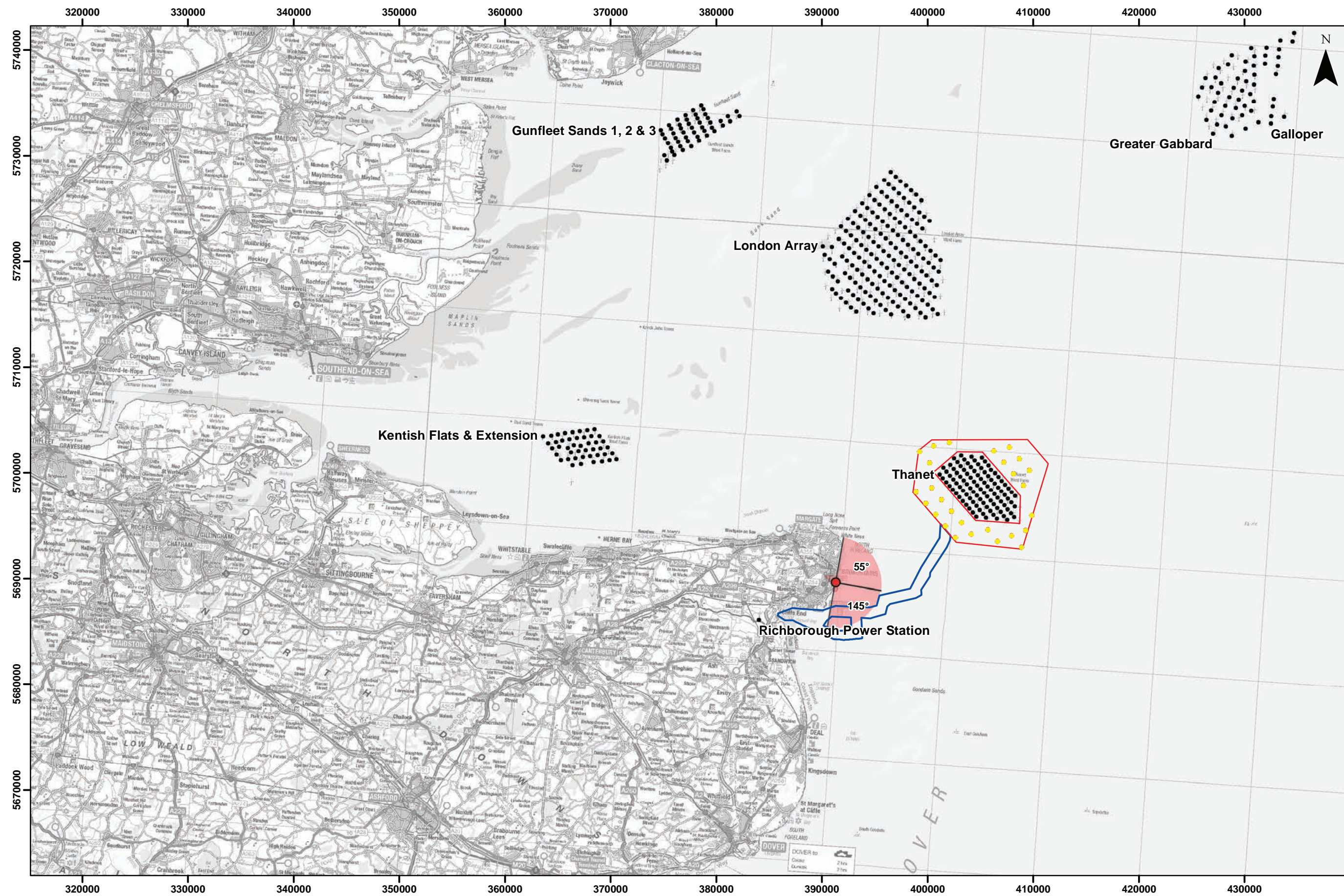


Photomontage

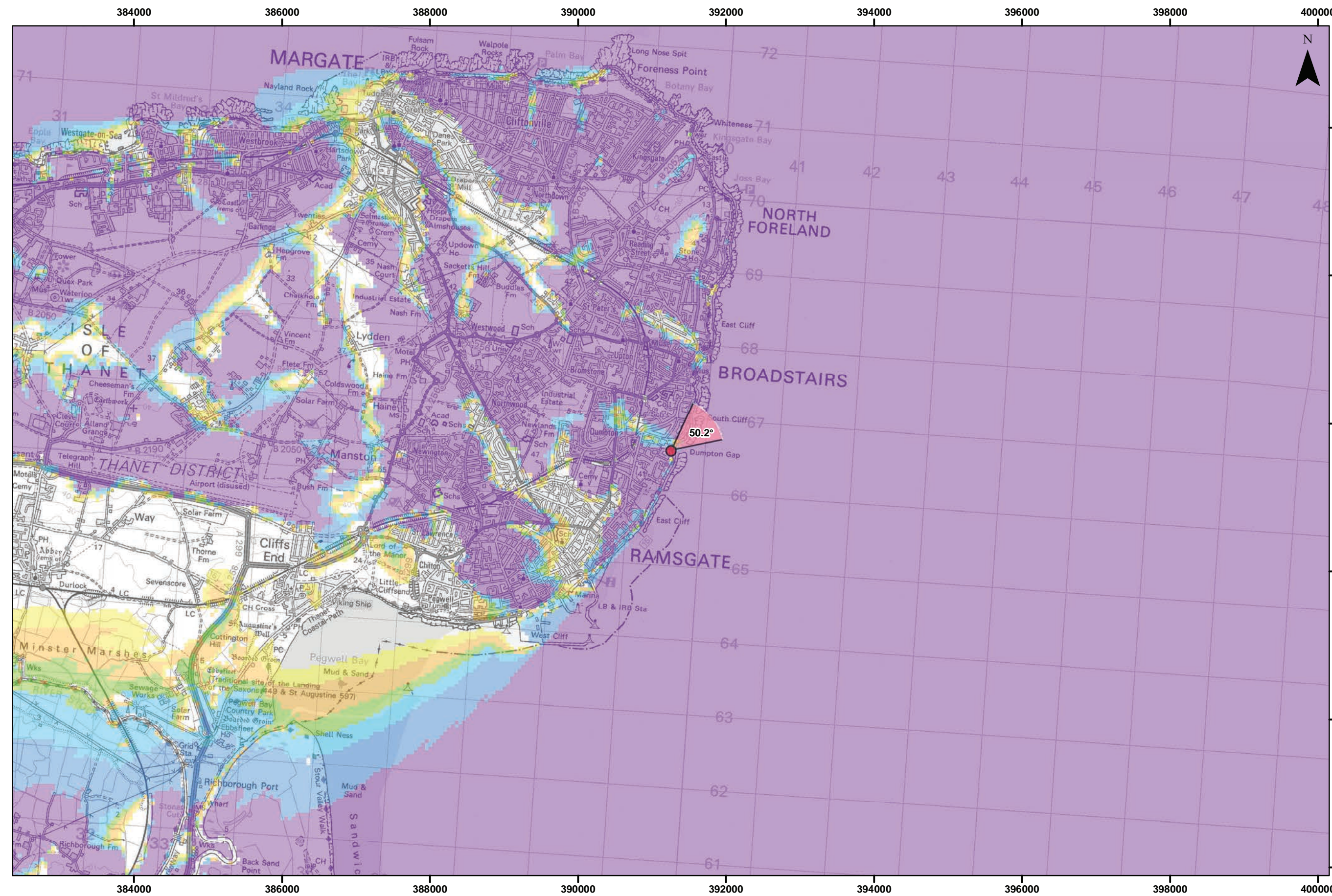
View flat at a comfortable arm's length

OS reference: 634213 E 167932 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 6D
Eye level: 43 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 65°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 14.599 km	Correct printed image size: 820 x 260 mm	Date and time: 05/07/17, 10:13

Figure: 12.42e
Viewpoint 16: Isle of Thanet, Mansons Road near PRow



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
2. Contains OS data © Crown copyright and database right 2018

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VATTENFALL

THANET EXTENSION OFFSHORE WIND FARM

Figure 12.43a
Viewpoint:17
Broadstairs, Dumpton Gap

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989
Projection: UTM31N

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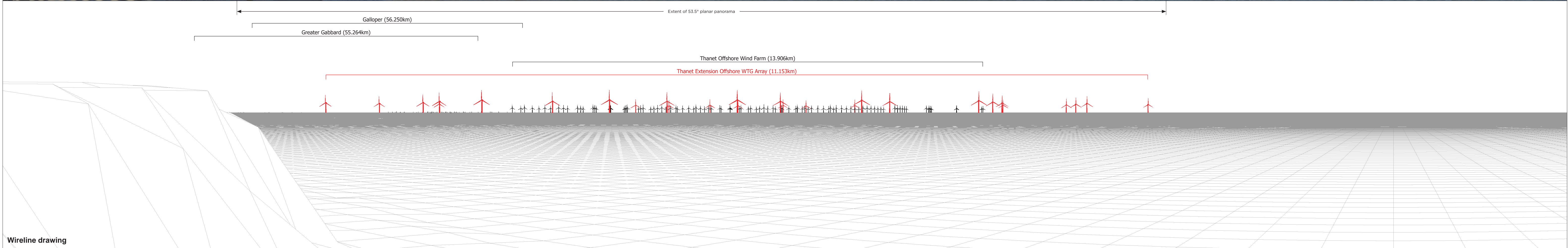
Scale AS SHOWN

Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.43a
Rev	0.2	Date	
By	JM	Layout	THET2018



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

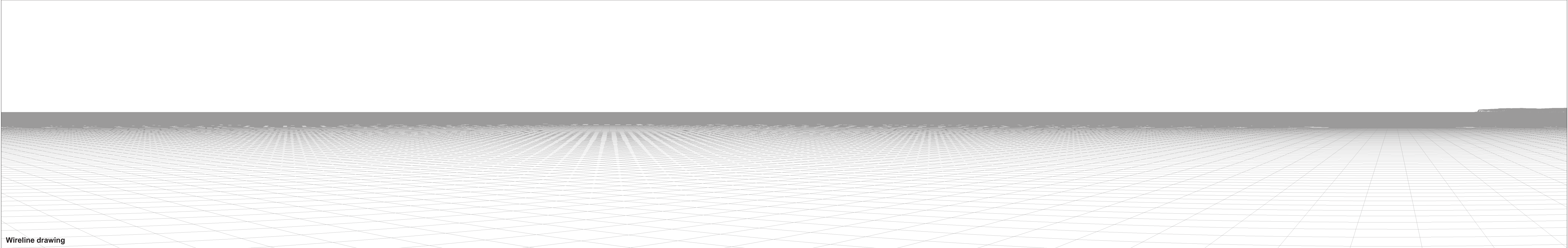
OS reference: 639724 E 166750 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 19.1 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 55°		Camera height: 1.5 m AGL
Nearest turbine: 11.153 km		Date and time: 01/06/17, 17:31

Figure: 12.43b
Viewpoint 17: Broadstairs, Dumpton Gap



Baseline photograph

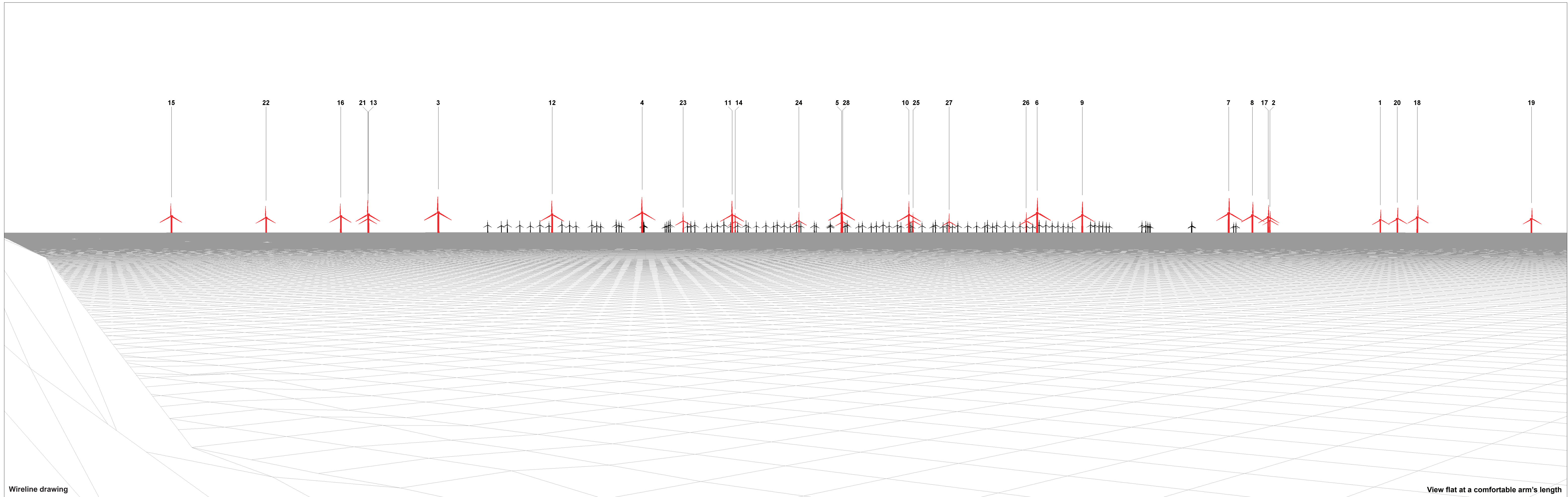
This image provides landscape and visual context only



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: 145°		Camera height: 1.5 m AGL
Nearest turbine: 11.153 km		Date and time: 01/06/17, 17:31

Figure: 12.43c
Viewpoint 17: Broadstairs, Dumpton Gap



Wireline drawing

View flat at a comfortable arm's length

OS reference: 639724 E 166750 N
 Eye level: 19.1 m AOD
 Direction of view: 50.2°
 Nearest turbine: 11.153 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 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: 12.43d
 Viewpoint 17: Broadstairs, Dumpton Gap



Photomontage

View flat at a comfortable arm's length

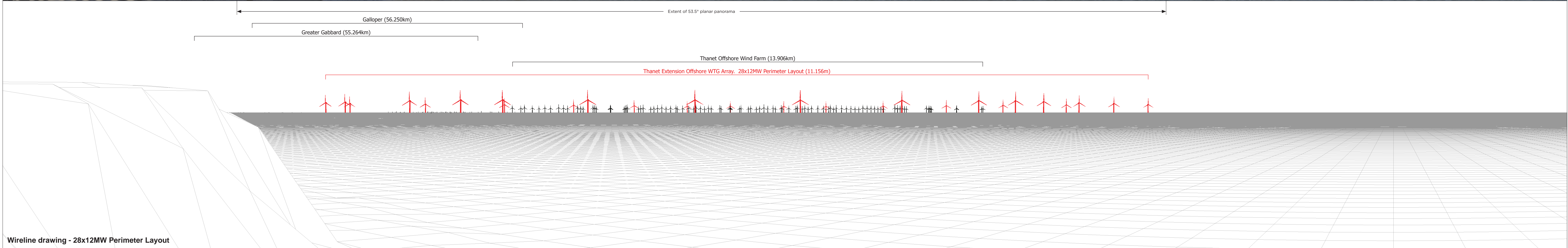
OS reference: 639724 E 166750 N	Horizontal field of view: 53.5° (planar projection)	Camera: Canon EOS 6D
Eye level: 19.1 m AOD	Principal distance: 812.5 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 50.2°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Nearest turbine: 11.153 km	Correct printed image size: 820 x 260 mm	Date and time: 01/06/17, 17:31

Figure: 12.43e
Viewpoint 17: Broadstairs, Dumpton Gap



Baseline photograph

This image provides landscape and visual context only



Wireline drawing - 28x12MW Perimeter Layout

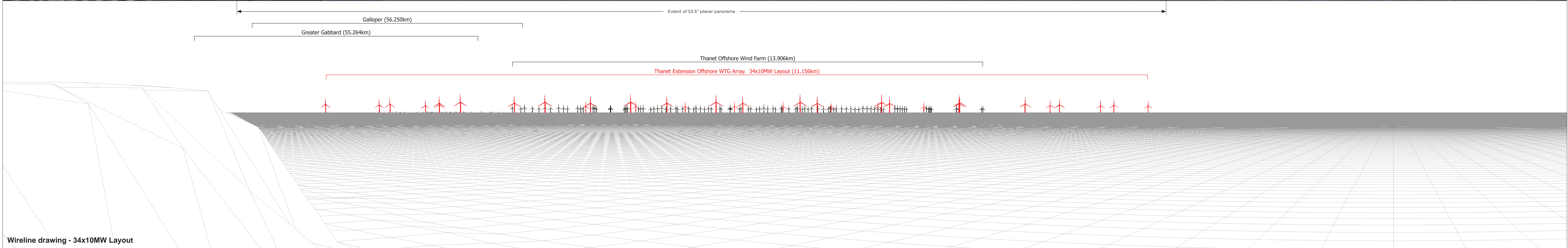
OS reference: 639724 E 166750 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 19.1 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 55°		Camera height: 1.5 m AGL
Nearest turbine: 11.156 km		Date and time: 01/06/17, 17:31

Figure: 12.43f
Viewpoint 17: Broadstairs, Dumpton Gap



Baseline photograph

This image provides landscape and visual context only



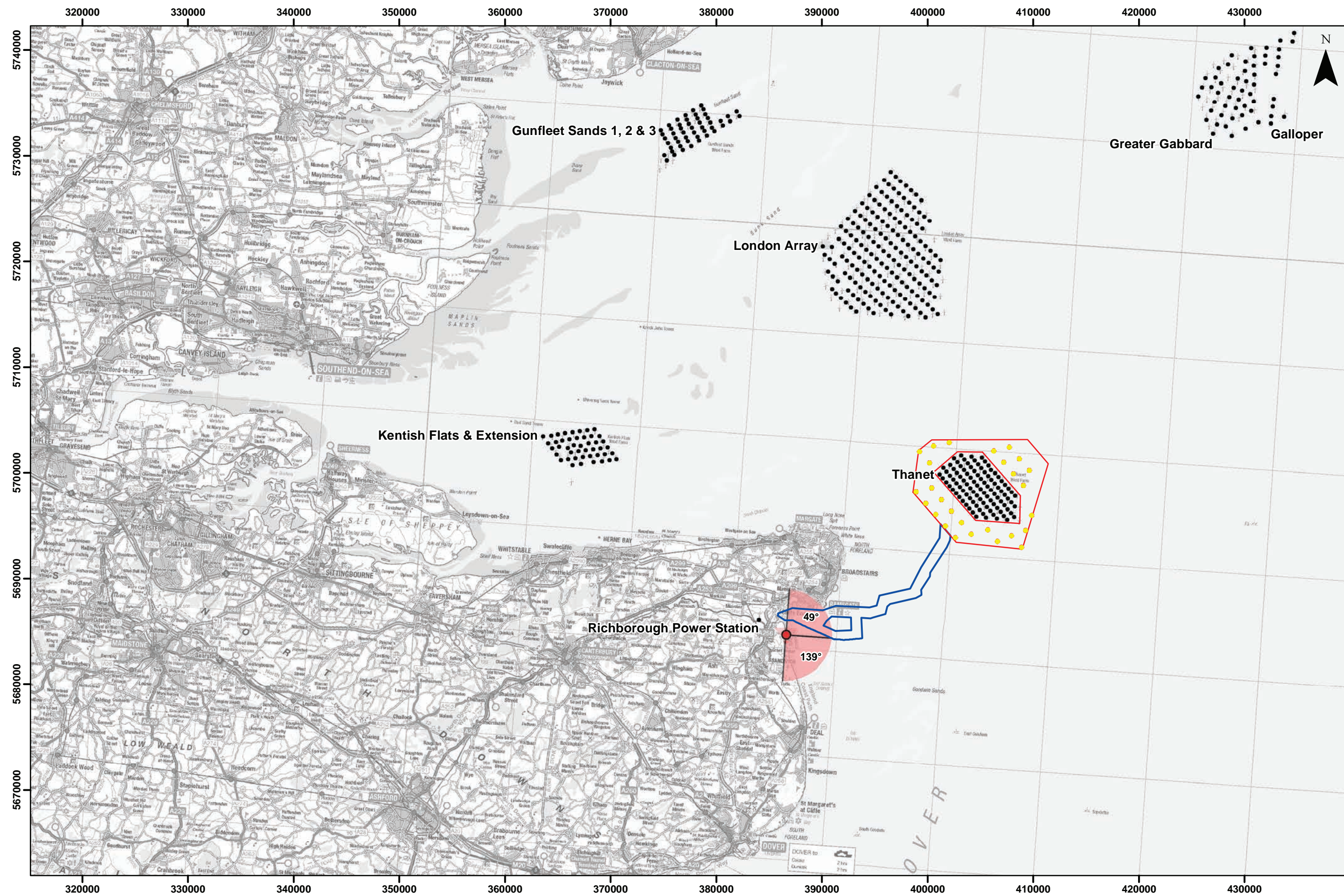
Wireline drawing - 34x10MW Layout

OS reference: 639724 E 166750 N
 Eye level: 19.1 m AOD
 Direction of view: 55°
 Nearest turbine: 11.156 km

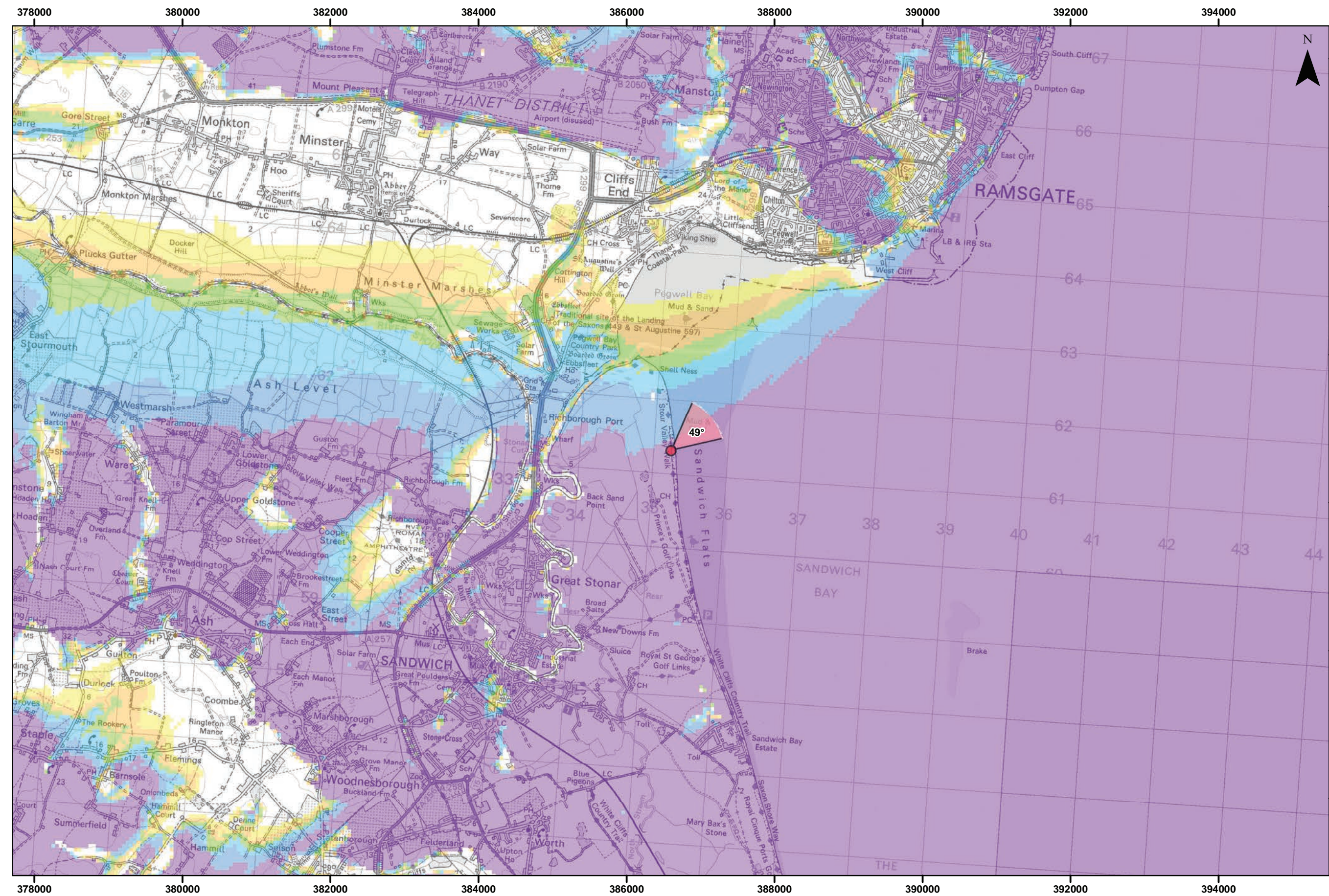
Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm

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: 12.43g
 Viewpoint 17: Broadstairs, Dumpton Gap



Viewpoint Location Plan
Scale: 1:350,000



Viewpoint Location Plan – Blade Tip ZTV
Scale: 1:50,000

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software using the following data and parameters:
Blade tip height: 250m
DTM Data: OS Terrain 50
DTM Resolution: 50m
Observer height: 1.5m
No surface features, such as buildings or trees, were included in the analysis.
Earth curvature and light refraction has been included in calculations.
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VATTENFALL

THANET EXTENSION OFFSHORE WIND FARM

Figure 12.44a
Viewpoint:18
England Coastal Path, Sandwich
Flats

Legend

- Thanet Extension WTG
- Proposed Offshore Development Boundary
- Offshore Cable Corridor

Wind Farm Status (1:350,000 only)

- Operational
- 90° Field of View
- 53.5° Field of View

Blade Tip ZTV

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989
Projection: UTM31N

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Scale AS SHOWN

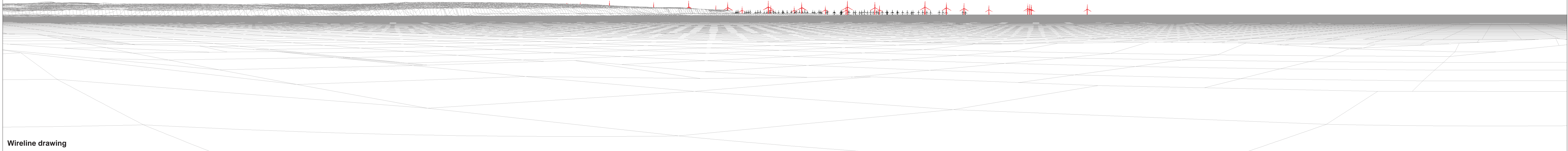
Org No	Ps.	LOCATION_PLANS_DDP	Figure 12.44a
Rev	0.2	Date	
By	JM	Layout	THET2018



Extent of 53.5° planar panorama

Thanet Offshore Wind Farm (20.758km)

Thanet Extension Offshore WTG Array (18.012km)



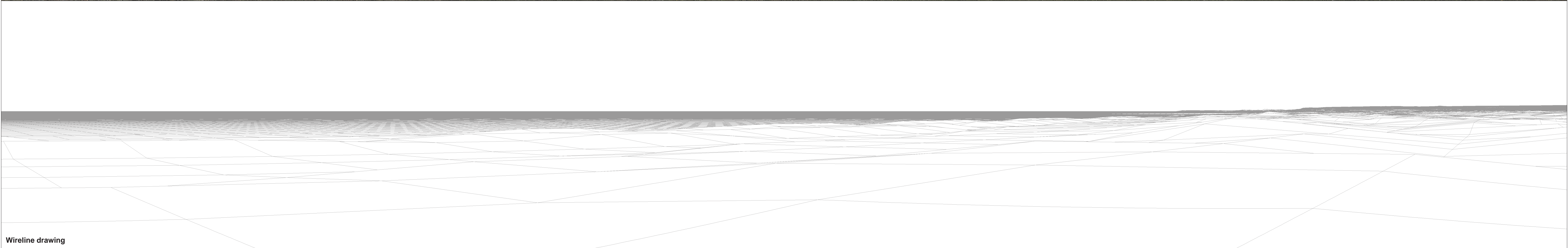
OS reference: 635207 E 161576 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 6.61 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 49°		Camera height: 1.5 m AGL
Nearest turbine: 18.012 km		Date and time: 05/07/17, 15:03

Figure: 12.44b
Viewpoint 18: England Costal Path, Sandwich Flats



Baseline photograph

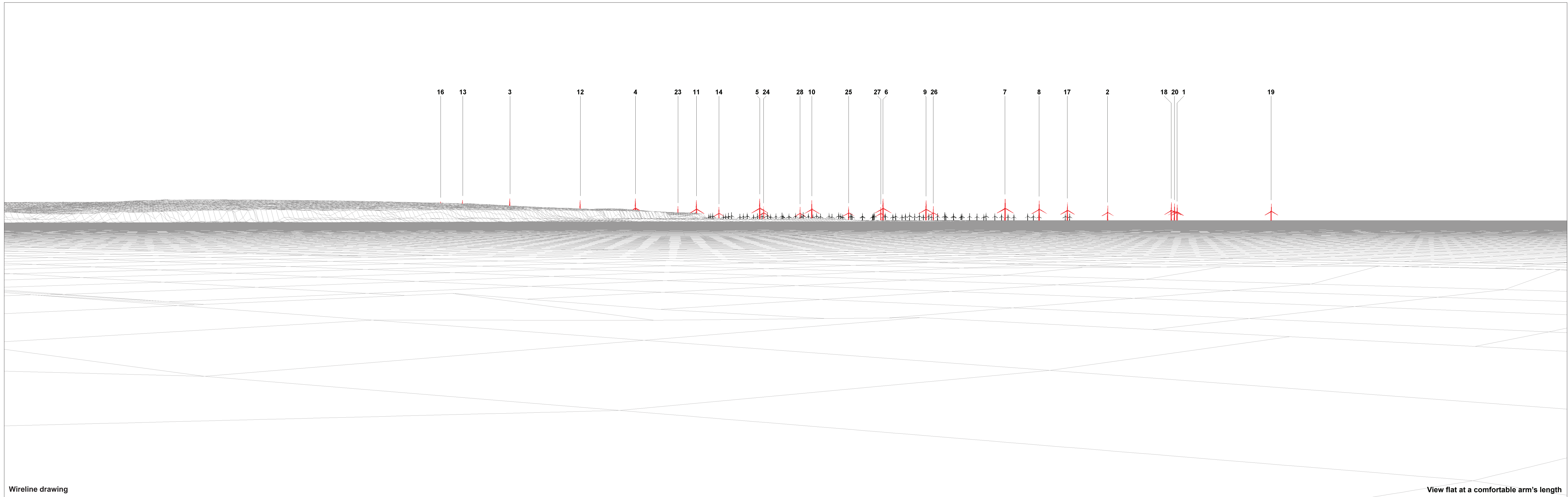
This image provides landscape and visual context only



Wireline drawing

OS reference: 635207 E 161576 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Canon EOS 6D
Eye level: 6.61 m AOD	Principal distance: 522 mm	Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 139°		Camera height: 1.5 m AGL
Nearest turbine: 18.012 km		Date and time: 05/07/17, 15:03

Figure: 12.44c
Viewpoint 18: England Costal Path, Sandwich Flats



Wireline drawing

View flat at a comfortable arm's length

OS reference: 635207 E 161576 N
 Eye level: 6.61 m AOD
 Direction of view: 49°
 Nearest turbine: 18.012 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Canon EOS 6D
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 05/07/17, 15:03

Figure: 12.44d
 Viewpoint 18: England Costal Path, Sandwich
 Flats