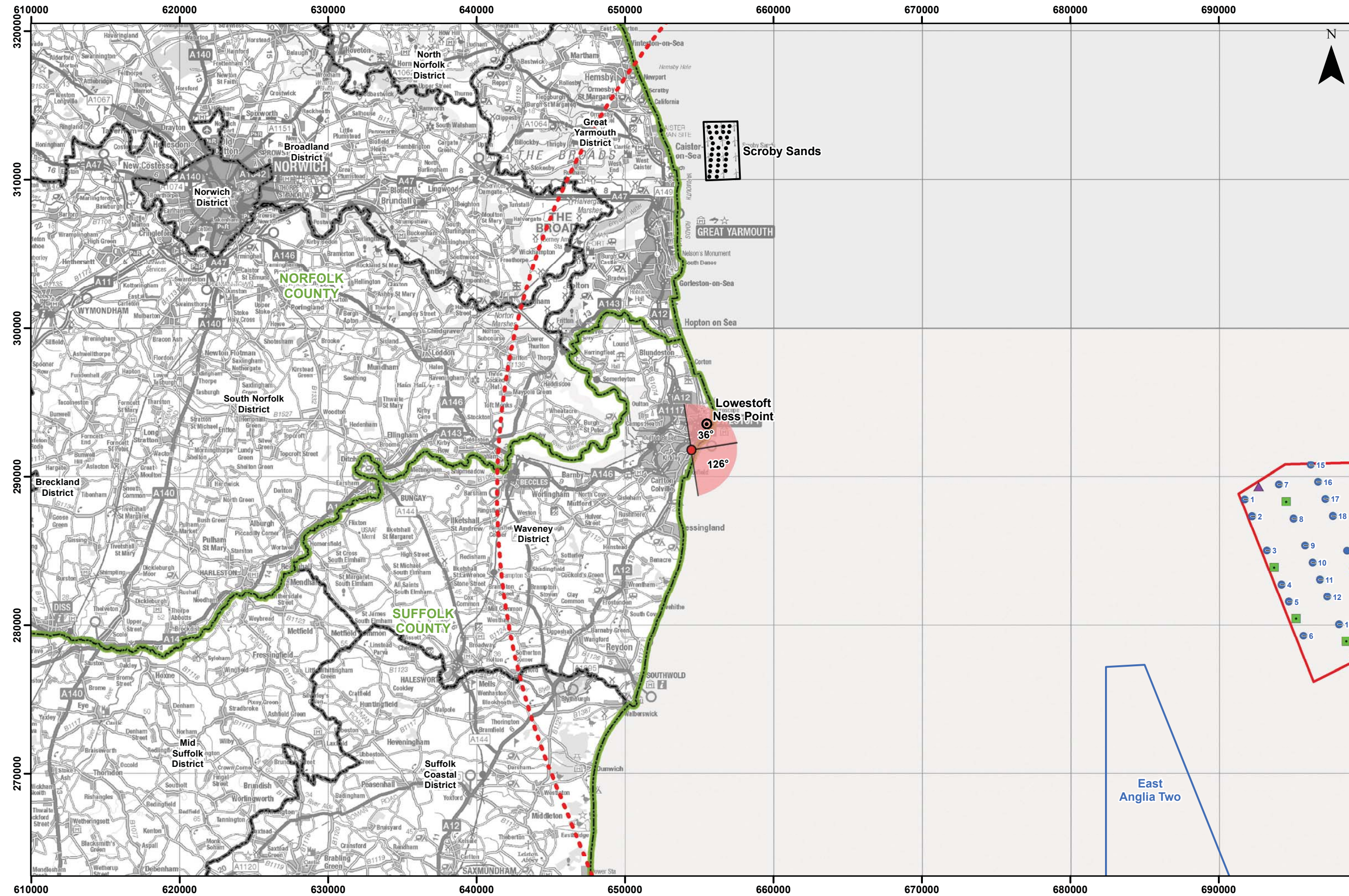
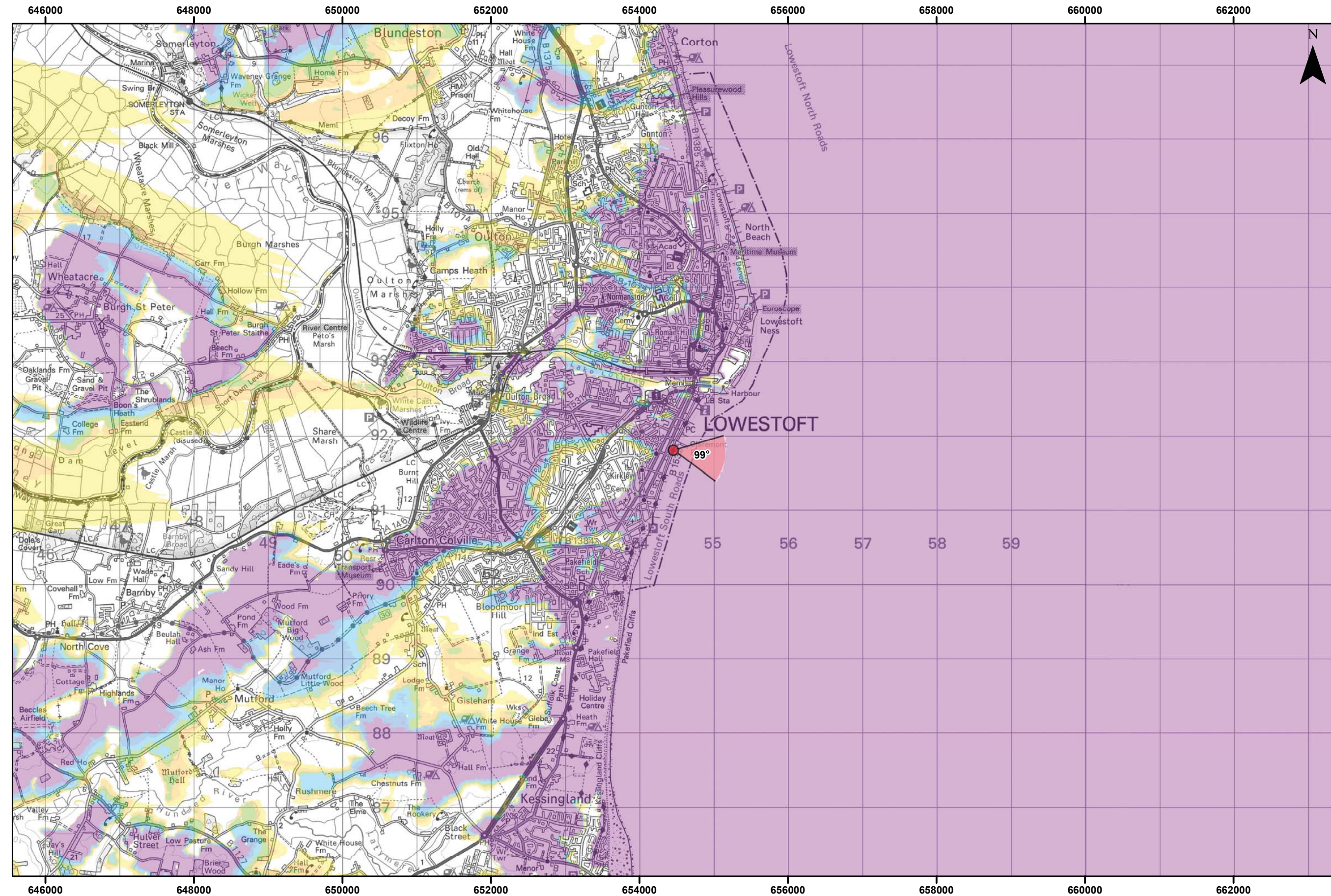


# East Anglia ONE North 300m wind turbine layout (EA1N) Offshore Windfarm

Coastal Visualisations



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



**Legend**

- Site Boundary
- 50km SLVIA Study Area
- East Anglia ONE North 300m Wind Turbine Layout
- Indicative Accommodation Platform
- Indicative Offshore Substation Platform (OSS)
- Indicative Operational Meteorological Mast (OMM)
- County Boundary
- District Boundary
- Cumulative Turbine Locations

**Cumulative Windfarm Status**

- Application
- Operational

**No. of Blade Tips Visible**

- 1 - 9
- 10 - 18
- 19 - 27
- 28 - 36
- 37 - 45
- 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:	LT
2	08/01/2019	TH	Layout Update	Prepared:	TH
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM

Doc Ref	EA1N-DEVWF-ENV-REP-IBR-00297
<b>Rev</b>	2
<b>Date</b>	16/01/19
<b>Figure</b>	28.25a
<b>East Anglia ONE North</b>	
<b>Viewpoint: 1</b>	
<b>Lowestoft</b>	
<b>Datum:</b>	XXXX
<b>Projection:</b>	BNG



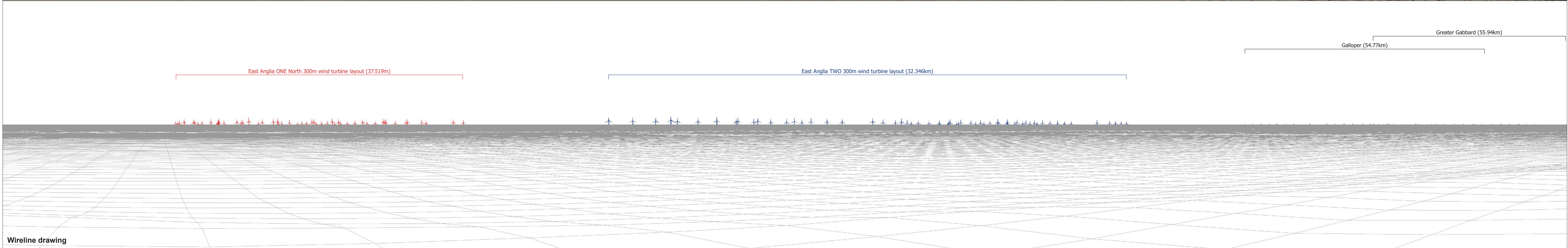
Existing photograph

This image provides landscape and visual context only



Wireline drawing

<p><b>OS reference:</b> 654451 E 291813 N  <b>Eye level:</b> 7.3 m AOD  <b>Direction of view:</b> 36°  <b>Nearest turbine:</b> 37.519 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/09/17, 12:33</p>	<p><b>Figure: 28.25b</b>  <b>Viewpoint 1: Lowestoft</b></p>
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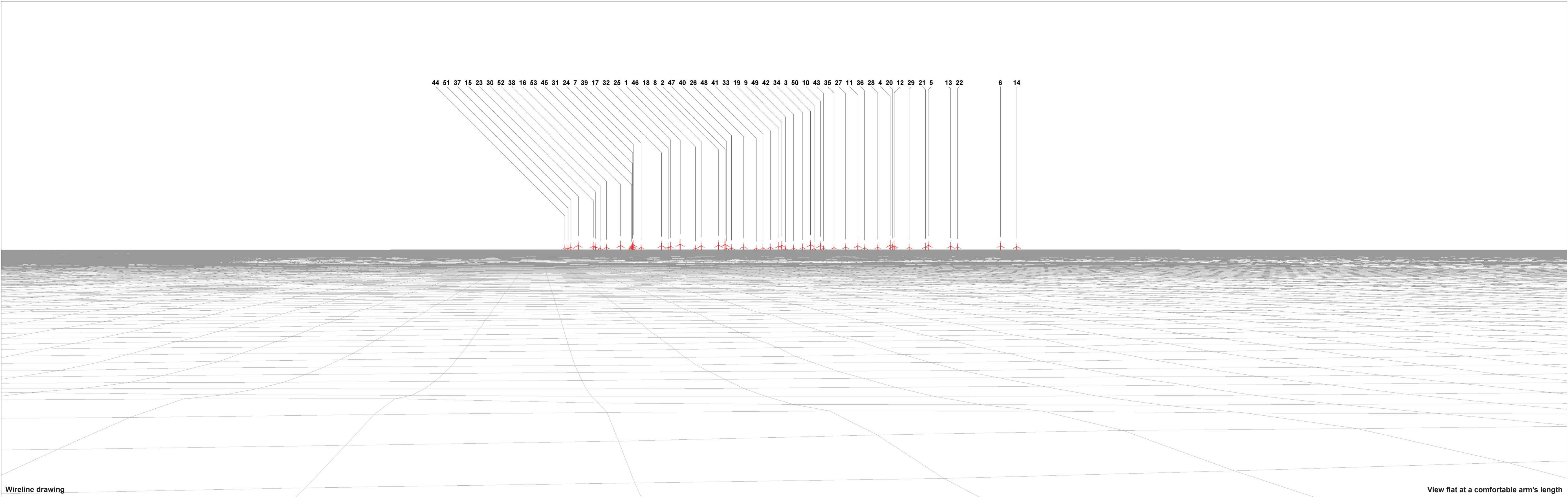


OS reference: 654451 E 291813 N  
 Eye level: 7.3 m AOD  
 Direction of view: 126°  
 Nearest turbine: 37.519 km

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: 12/09/17, 12:33

Figure: 28.25c  
 Viewpoint 1: Lowestoft



Wireline drawing

View flat at a comfortable arm's length

<p><b>OS reference:</b> 654451 E 291813 N  <b>Eye level:</b> 7.3 m AOD  <b>Direction of view:</b> 99°  <b>Nearest turbine:</b> 37.519 km</p>	<p><b>Horizontal field of view:</b> 53.5° (planar projection)  <b>Principal distance:</b> 812.5 mm  <b>Paper size:</b> 841 x 297 mm  <b>Correct printed image size:</b> 820 x 260 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/09/17, 12:33</p>	<p><b>Figure: 28.25d</b>  <b>Viewpoint 1: Lowestoft</b></p>
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Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b> 654451 E 291813 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 7.3 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 99°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 37.519 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/09/17, 12:33

**Figure: 28.25e**  
**Viewpoint 1: Lowestoft**



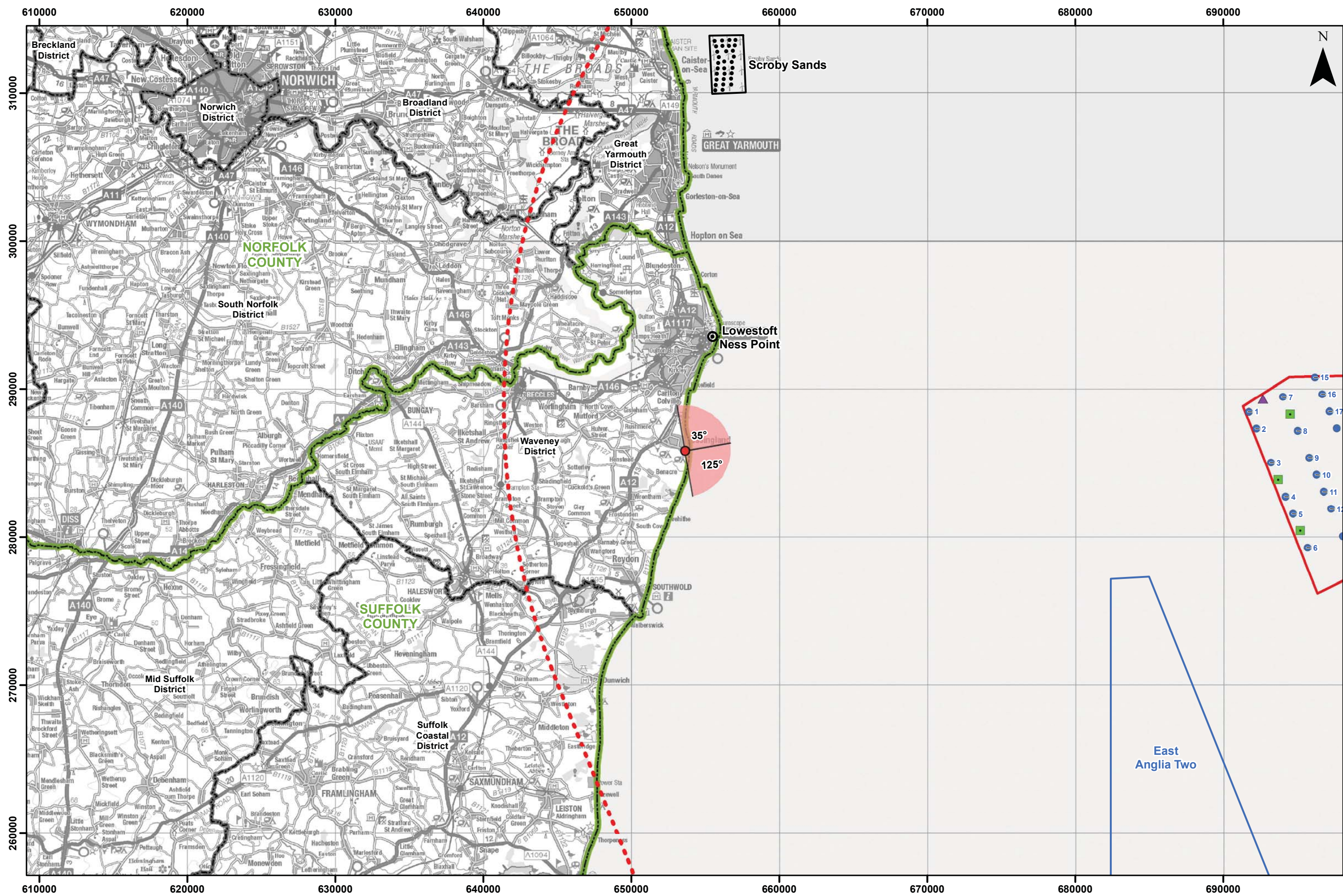
Photomontage

View flat at a comfortable arm's length

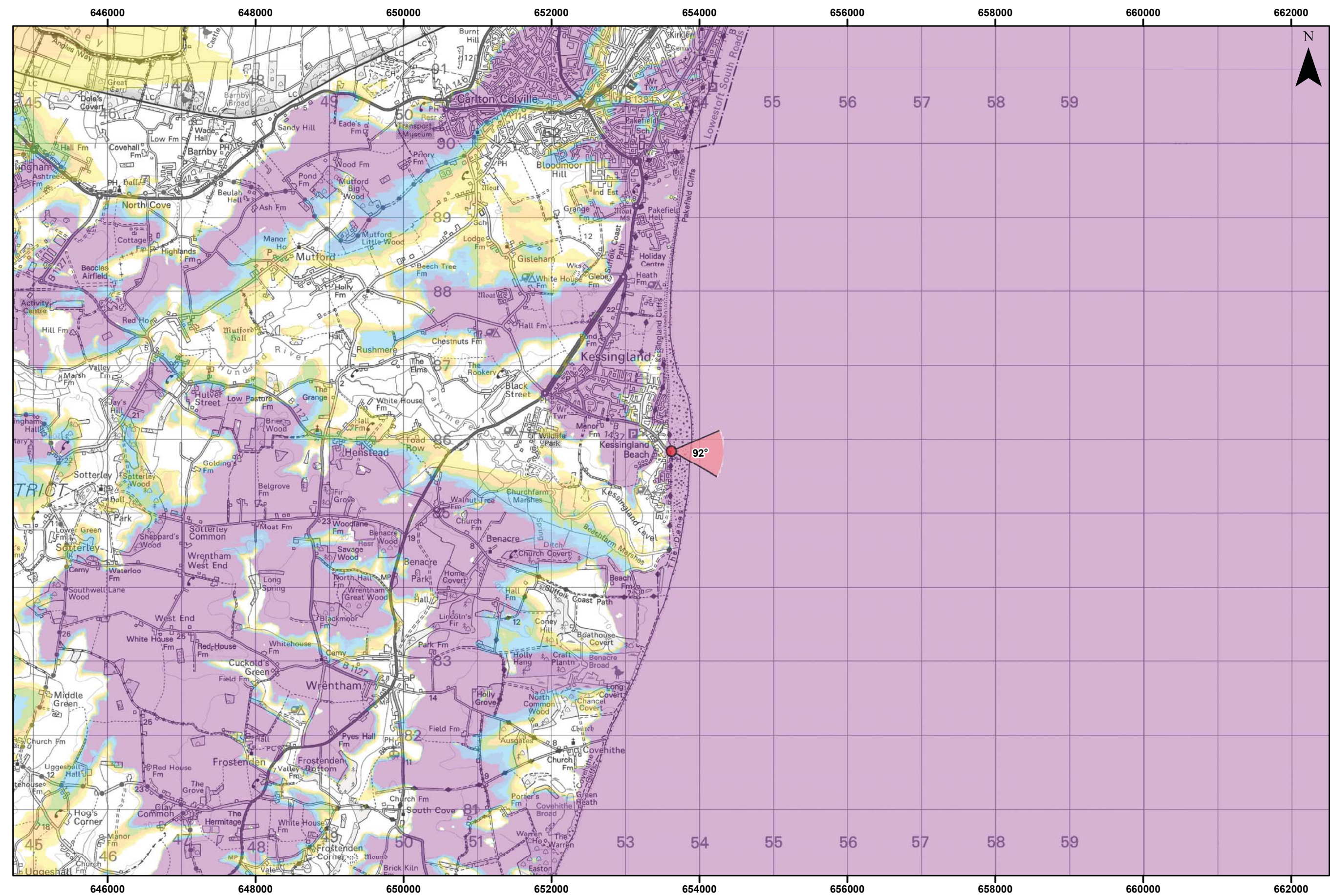
<b>OS reference:</b>	654451 E 291813 N	<b>Horizontal field of view:</b>	53.5° (planar projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	7.3 m AOD	<b>Principal distance</b>	812.5 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	99°	<b>Paper size:</b>	841 x 297 mm	<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	37.519 km	<b>Correct printed image size:</b>	820 x 260 mm	<b>Date and time:</b>	16/09/17, 18:47

**NOTE:** In order to undertake a compliant worst case environmental impact assessment, the night time visualisations show the maximum required lighting intensity (2000cd) in excellent visibility conditions. This is considered an unrealistic worst case as turbine lighting regulations permit aviation warning lights to be dimmed to 10% of full intensity (i.e. 200cd) when visibility from every wind turbine is more than 5km, thereby reducing the lighting intensity visible from shore. It is intended that this dimming functionality would be installed (as is the case on the East Anglia ONE project). Where visibility conditions do not permit aviation warning lights to be dimmed, then it is unlikely that the actual visibility of aviation warning lighting at night time will be as shown on the visualisations due to poorer visibility conditions.

**Figure: 28.25f**  
**Viewpoint 1: Lowestoft**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



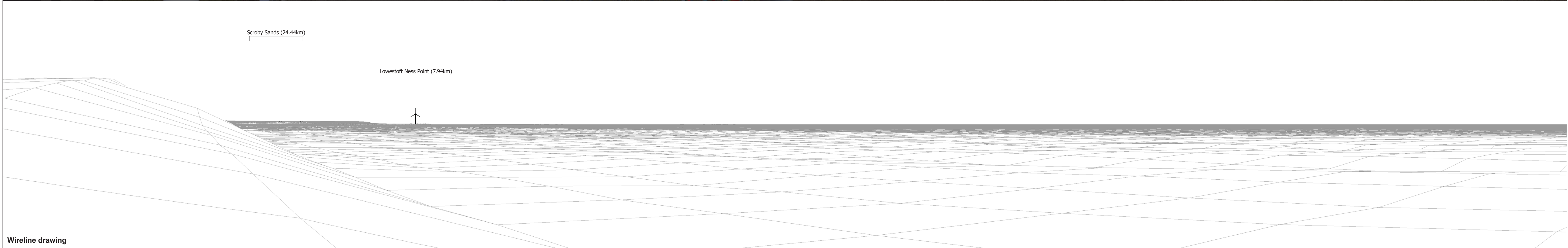
- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations
- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53
- Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

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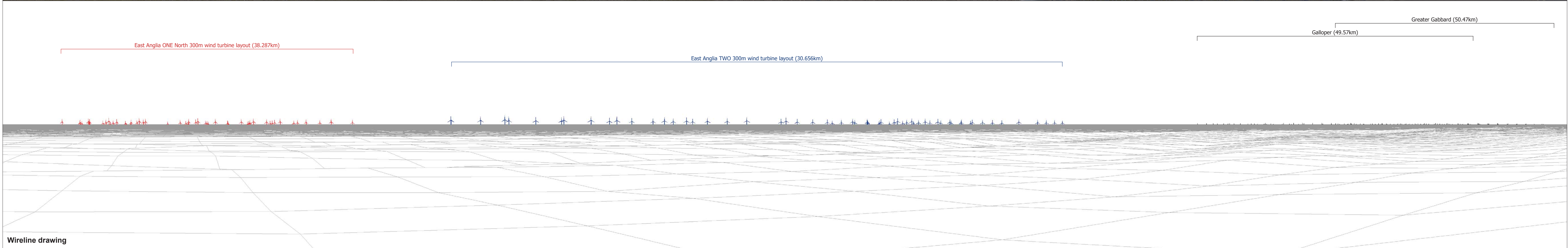
Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
<b>Rev</b>	3	Datum: WGS 1984
<b>Date</b>	16/01/19	Projection: Zone 31N
<b>Figure</b>	28.26a	





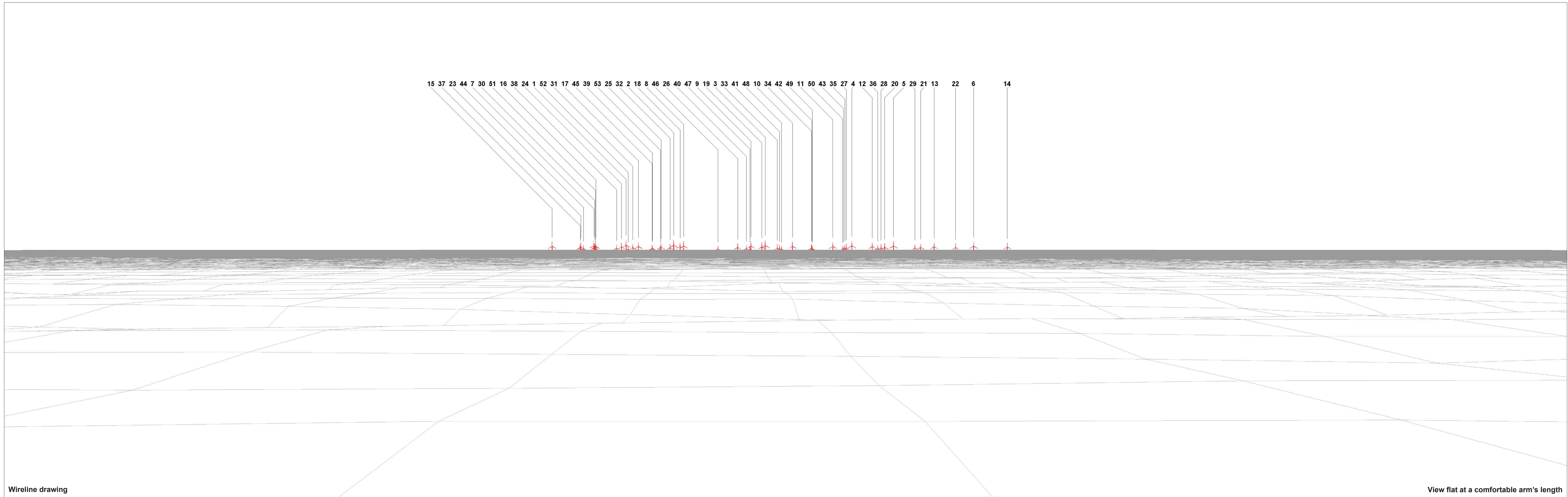
<b>OS reference:</b> 653618 E 285844 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 6.35 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 35°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 38.287 km		<b>Date and time:</b> 12/09/17, 12:04

**Figure: 28.26b**  
**Viewpoint 2: Kessingland Beach**



<b>OS reference:</b> 653618 E 285844 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 6.35 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 125°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 38.287 km		<b>Date and time:</b> 12/09/17, 12:04

**Figure: 28.26c**  
**Viewpoint 2: Kessingland Beach**



Wireline drawing

View flat at a comfortable arm's length

OS reference: 653618 E 285844 N  
 Eye level: 6.35 m AOD  
 Direction of view: 92°  
 Nearest turbine: 38.287 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 12/09/17, 12:04

Figure: 28.26d  
 Viewpoint 2: Kessingland Beach



Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b> 653618 E 285844 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 6.35 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 92°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 38.287 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/09/17, 12:04

**Figure: 28.26e**  
**Viewpoint 2: Kessingland Beach**



Photomontage

View flat at a comfortable arm's length

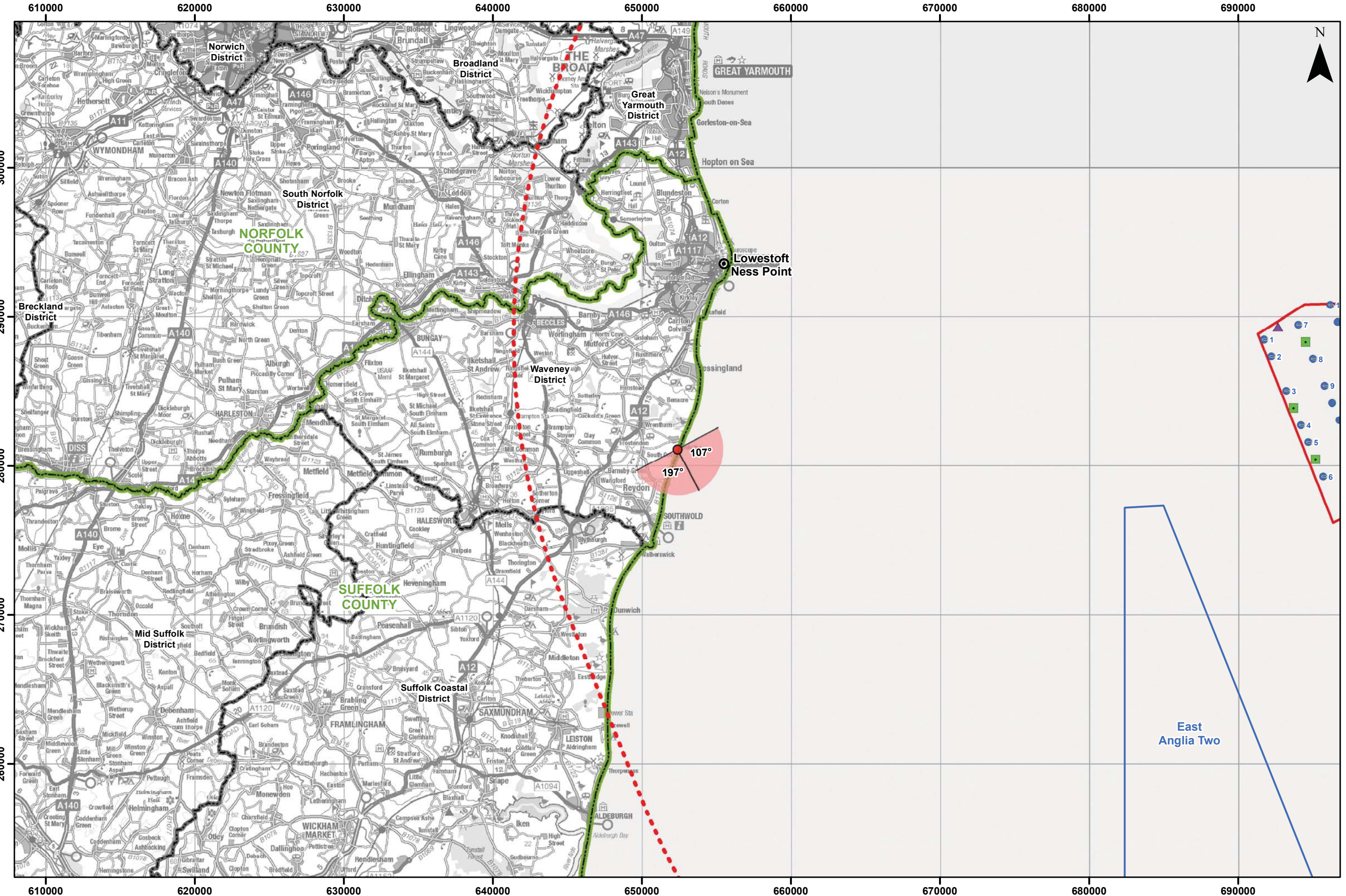
**OS reference:** 653618 E 285844 N  
**Eye level:** 6.35 m AOD  
**Direction of view:** 92°  
**Nearest turbine:** 38.287 km

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

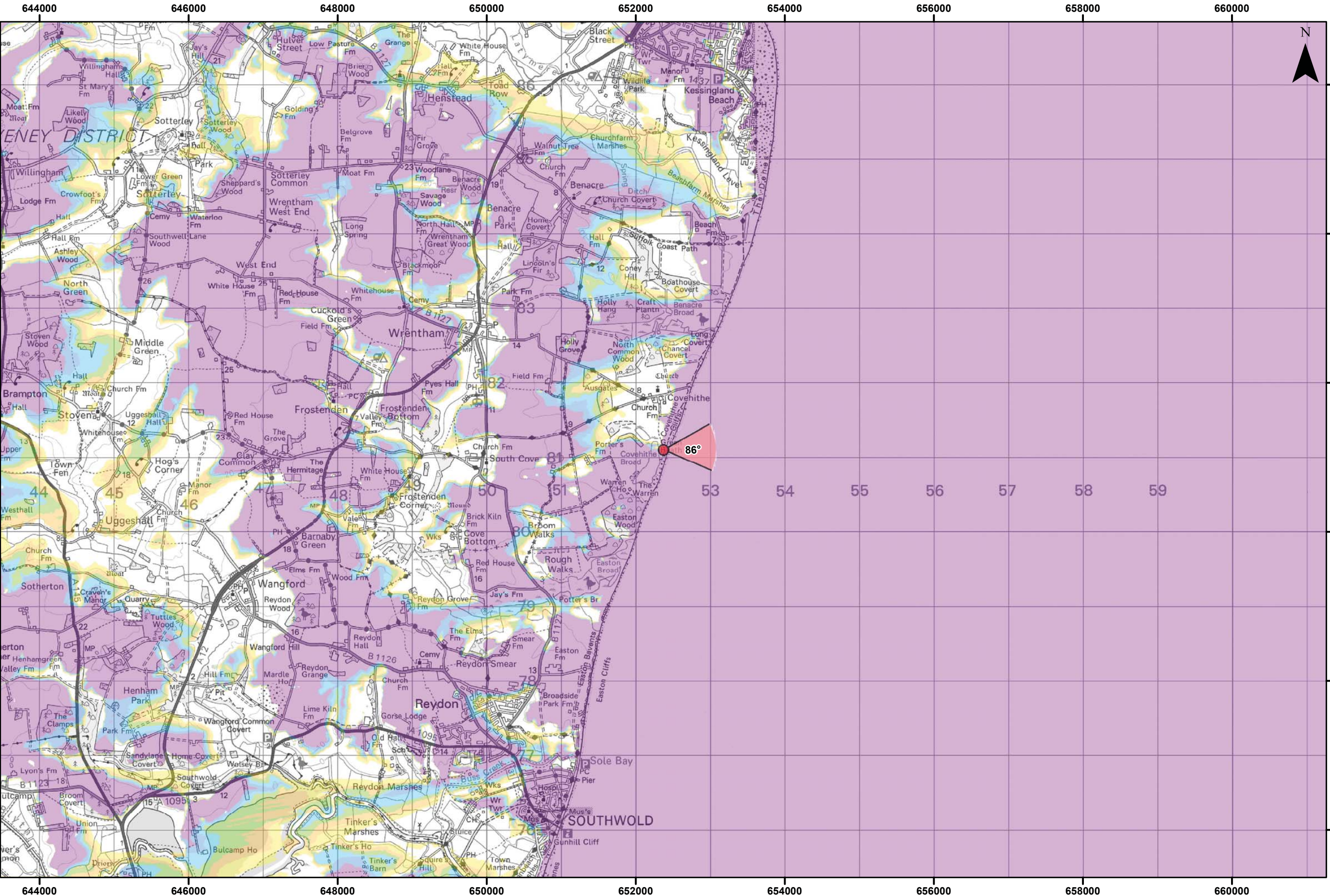
**Camera:** Canon EOS 5D Mark II  
**Lens:** 50mm (Canon EF 50mm f/1.4)  
**Camera height:** 1.5 m AGL  
**Date and time:** 18/09/17, 18:51

**NOTE:** In order to undertake a compliant worst case environmental impact assessment, the night time visualisations show the maximum required lighting intensity (2000cd) in excellent visibility conditions. This is considered an unrealistic worst case as turbine lighting regulations permit aviation warning lights to be dimmed to 10% of full intensity (i.e. 200cd) when visibility from every wind turbine is more than 5km, thereby reducing the lighting intensity visible from shore. It is intended that this dimming functionality would be installed (as is the case on the East Anglia ONE project). Where visibility conditions do not permit aviation warning lights to be dimmed, then it is unlikely that the actual visibility of aviation warning lighting at night time will be as shown on the visualisations due to poorer visibility conditions.

**Figure: 28.26f**  
**Viewpoint 2: Kessingland Beach**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

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Doc Ref	Rev	Date	Figure
EA1N-DEWVF-ENV-REP-IBR-000297	3	16/01/19	28.27a

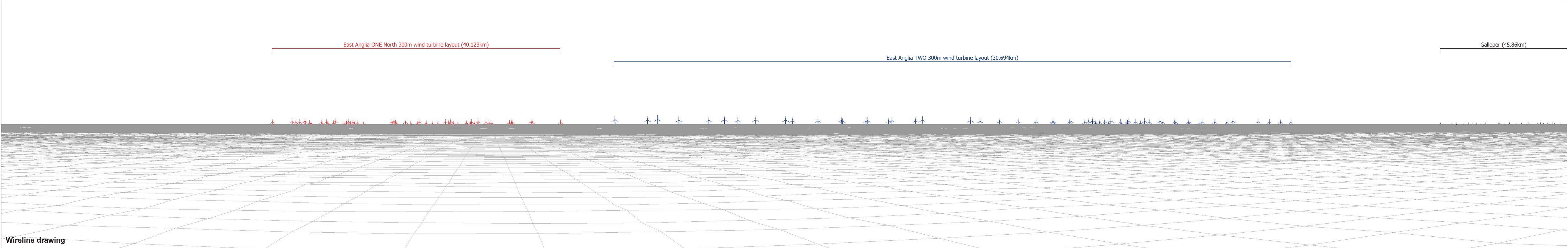
**East Anglia ONE North**  
Viewpoint: 3  
Covehithe

Datum: WGS 1984  
Projection: Zone 31N



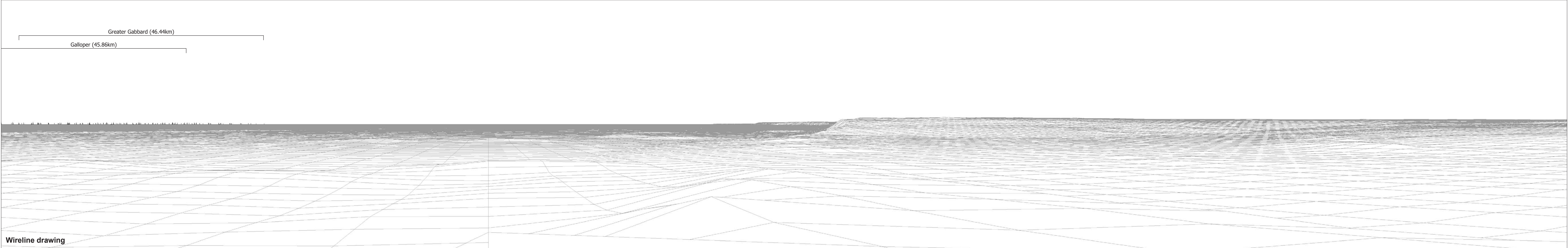
Existing photograph

This image provides landscape and visual context only



Wireline drawing

<p><b>OS reference:</b> 652370 E 281104 N  <b>Eye level:</b> 7.73 m AOD  <b>Direction of view:</b> 107°  <b>Nearest turbine:</b> 40.123 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/07/18 18:37</p>	<p><b>Figure: 28.27b</b>  <b>Viewpoint 3: Covehithe</b></p>
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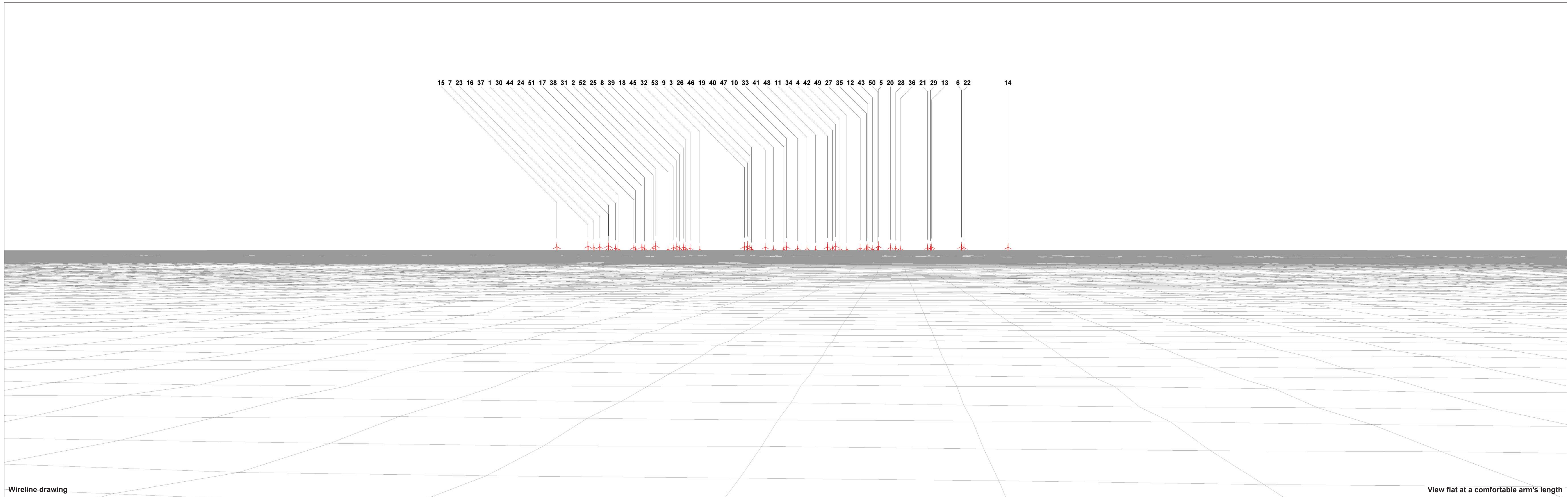
Greater Gabbard (46.44km)

Galoper (45.86km)

<b>OS reference:</b> 652370 E 281104 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 7.73 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 197°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 40.123 km		<b>Date and time:</b> 12/07/18 18:37

**Figure: 28.27c**  
**Viewpoint 3: Covehithe**





15 7 23 16 37 1 30 44 24 51 17 38 31 2 52 25 8 39 18 45 32 53 9 3 26 46 19 40 47 10 33 41 48 11 34 4 42 49 27 35 12 43 50 5 20 28 36 21 29 13 6 22 14

Wireline drawing

View flat at a comfortable arm's length

OS reference: 652370 E 281104 N  
 Eye level: 7.73 m AOD  
 Direction of view: 86°  
 Nearest turbine: 40.123 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 12/07/18 18:37

Figure: 28.27d  
 Viewpoint 3: Covehithe

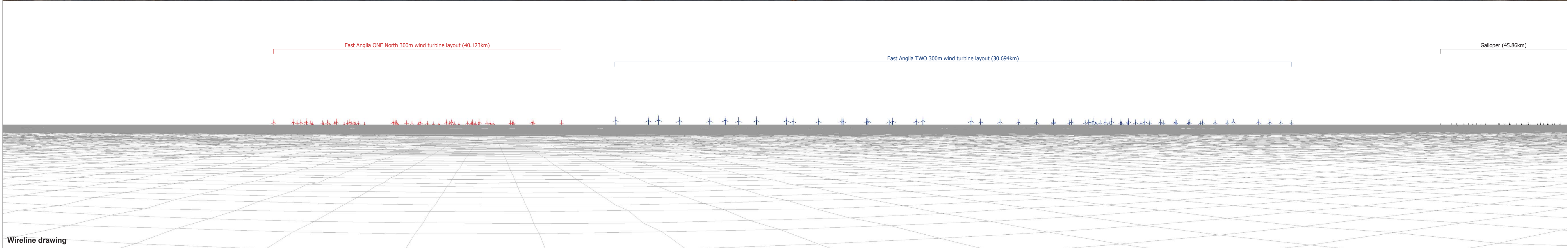


Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b> 652370 E 281104 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 7.73 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 86°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 40.123 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/07/18 18:37

**Figure: 28.27e**  
**Viewpoint 3: Covehithe**



OS reference: 652370 E 281104 N  
 Eye level: 7.73 m AOD  
 Direction of view: 107°  
 Nearest turbine: 40.123 km

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

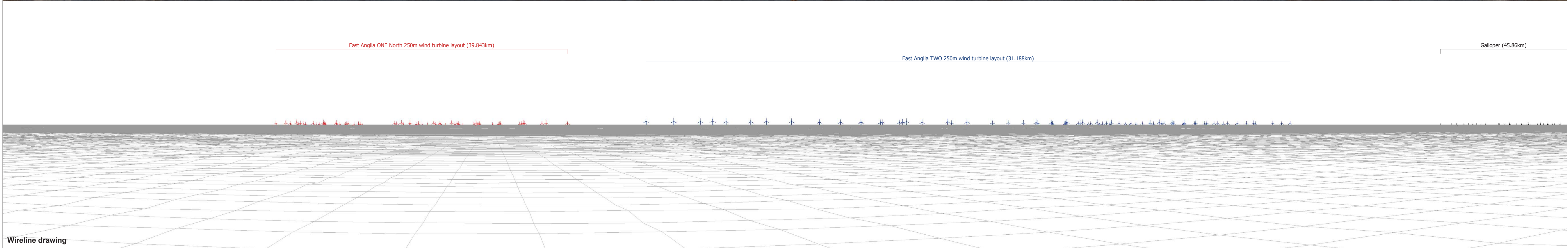
Camera: Canon EOS 5D Mark II  
 Lens: 50mm (Canon EF 50mm f/1.4)  
 Camera height: 1.5 m AGL  
 Date and time: 12/07/18 18:37

Figure: 28.27f  
 Viewpoint 3: Covehithe



Existing photograph

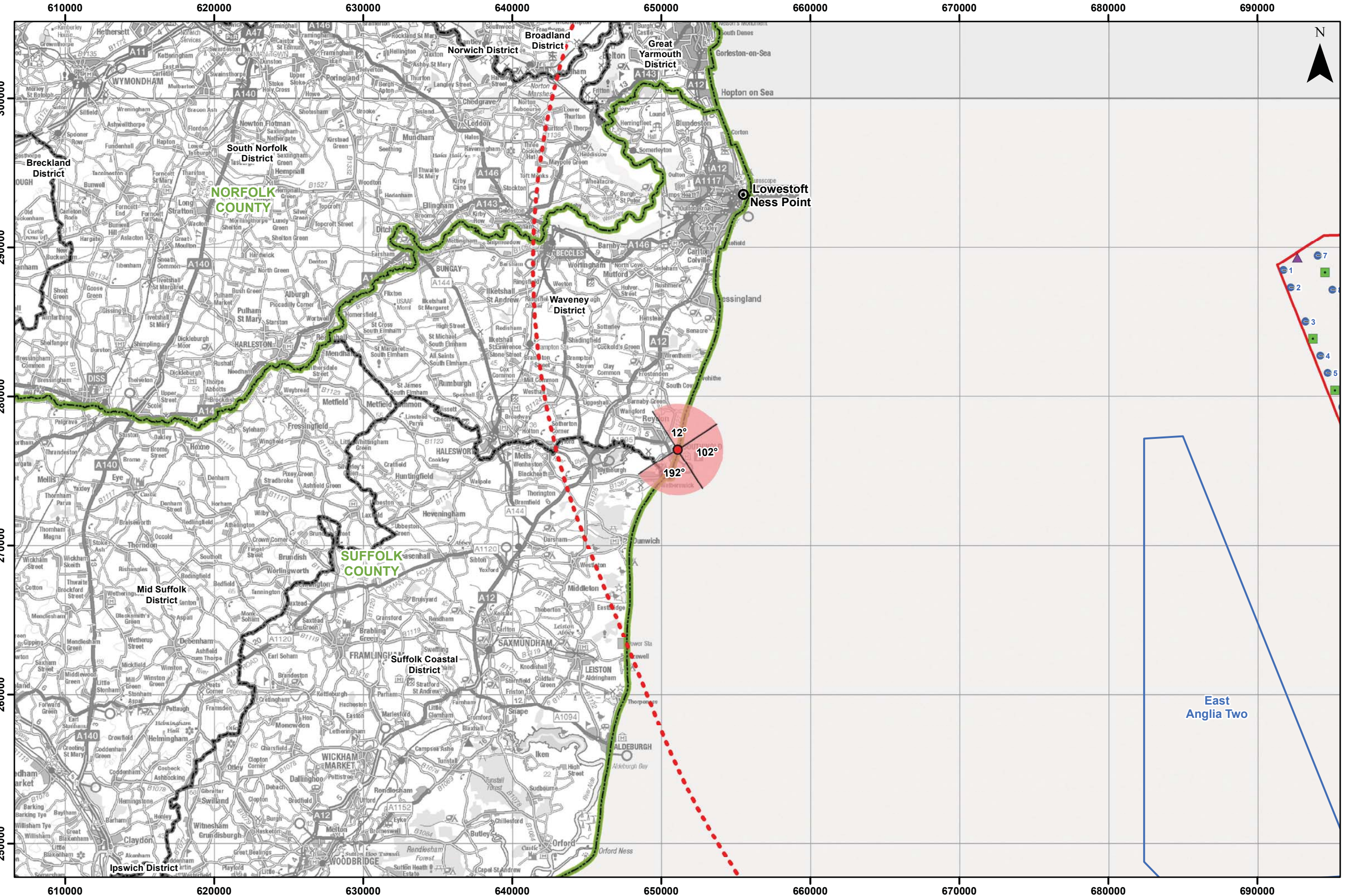
This image provides landscape and visual context only



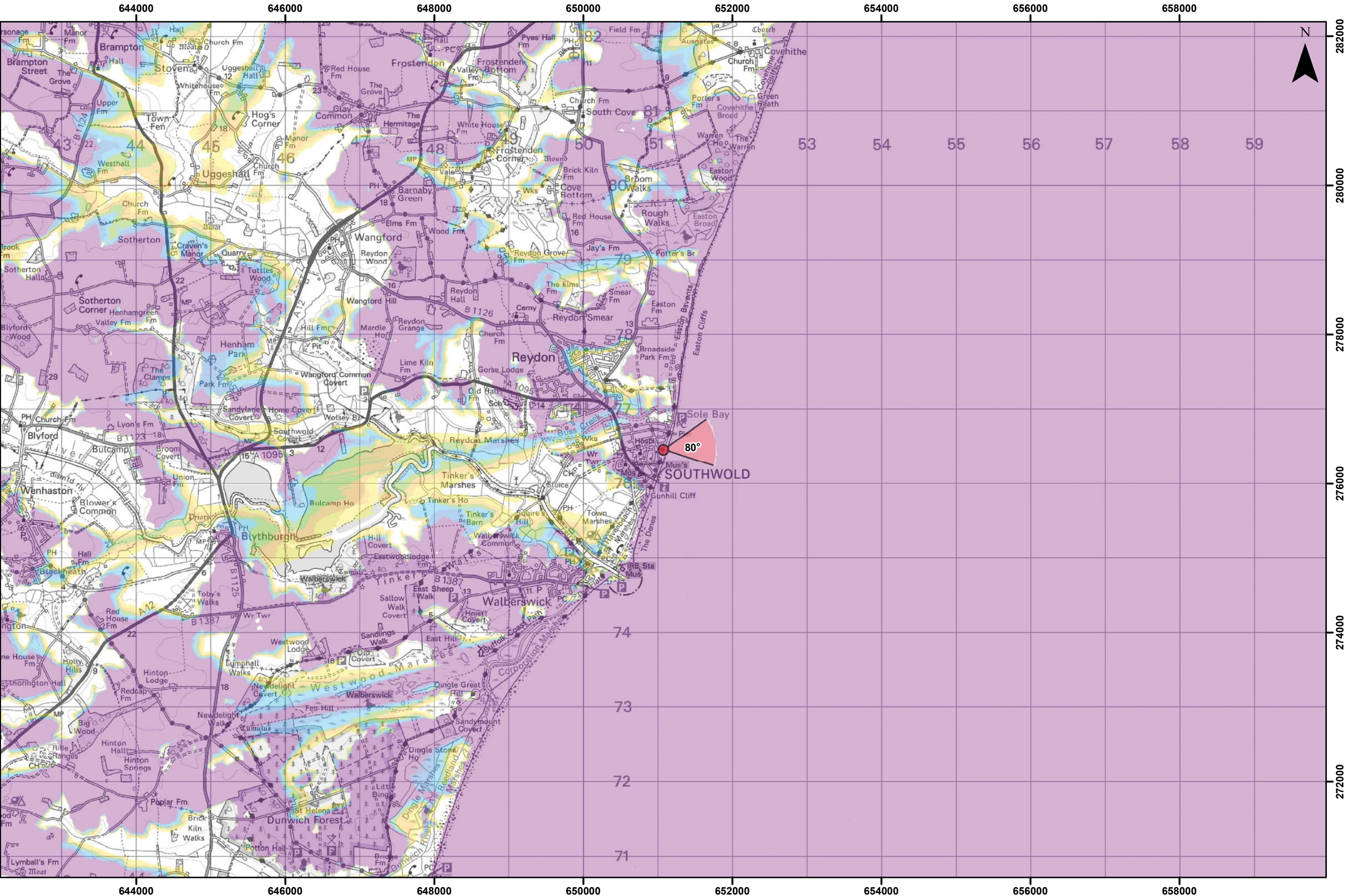
Wireline drawing

<b>OS reference:</b> 652370 E 281104 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 7.73 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 107°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 39.843 km		<b>Date and time:</b> 12/07/18 18:37

**Figure: 28.27g**  
**Viewpoint 3: Covehithe**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

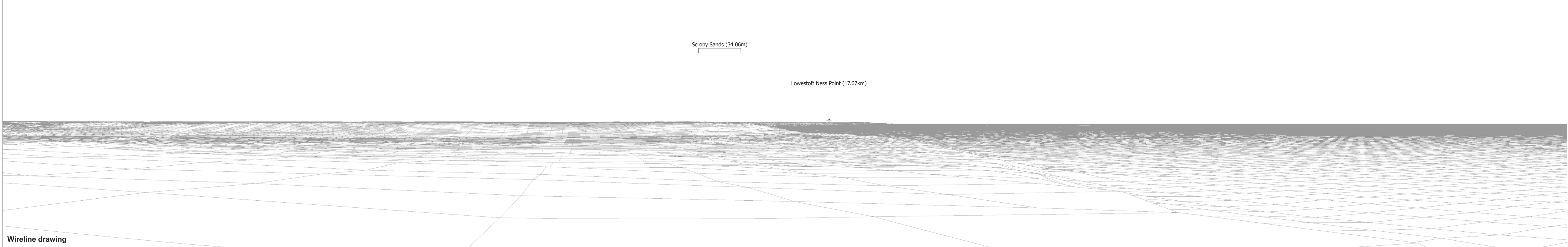
Rev	Date	By	Comment	Approved:	LT
3	16/01/2019	TH	Update Document Reference		
2	08/01/2019	TH	Layout Update	Prepared:	TH
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM

Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.28a	
<b>East Anglia ONE North</b>		
Viewpoint: 4		
Southwold		



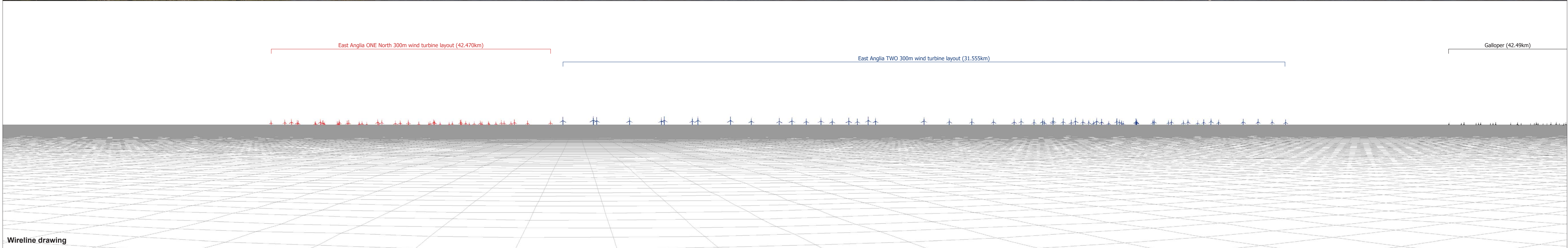
Existing photograph

This image provides landscape and visual context only



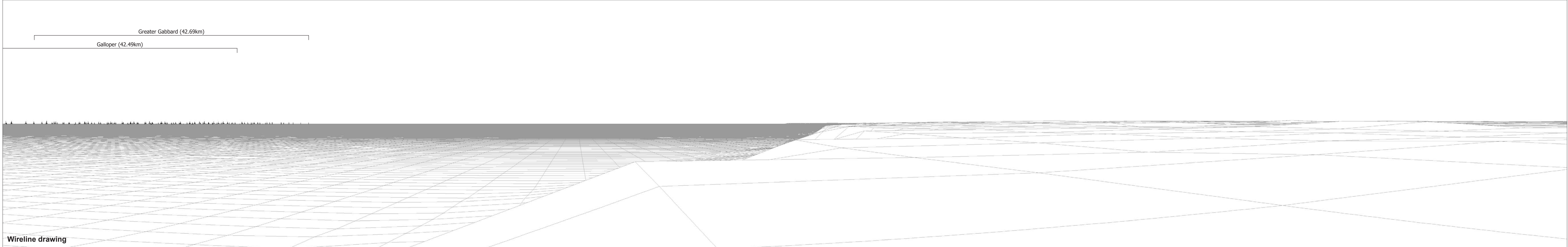
Wireline drawing

<p><b>OS reference:</b> 651072 E 276454 N  <b>Eye level:</b> 11.07 m AOD  <b>Direction of view:</b> 12°  <b>Nearest turbine:</b> 42.470 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/09/17, 11:04</p>	<p><b>Figure: 28.28b</b>  <b>Viewpoint 4: Southwold</b></p>
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<b>OS reference:</b> 651072 E 276454 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.07 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 102°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.470 km		<b>Date and time:</b> 12/07/18, 17:36

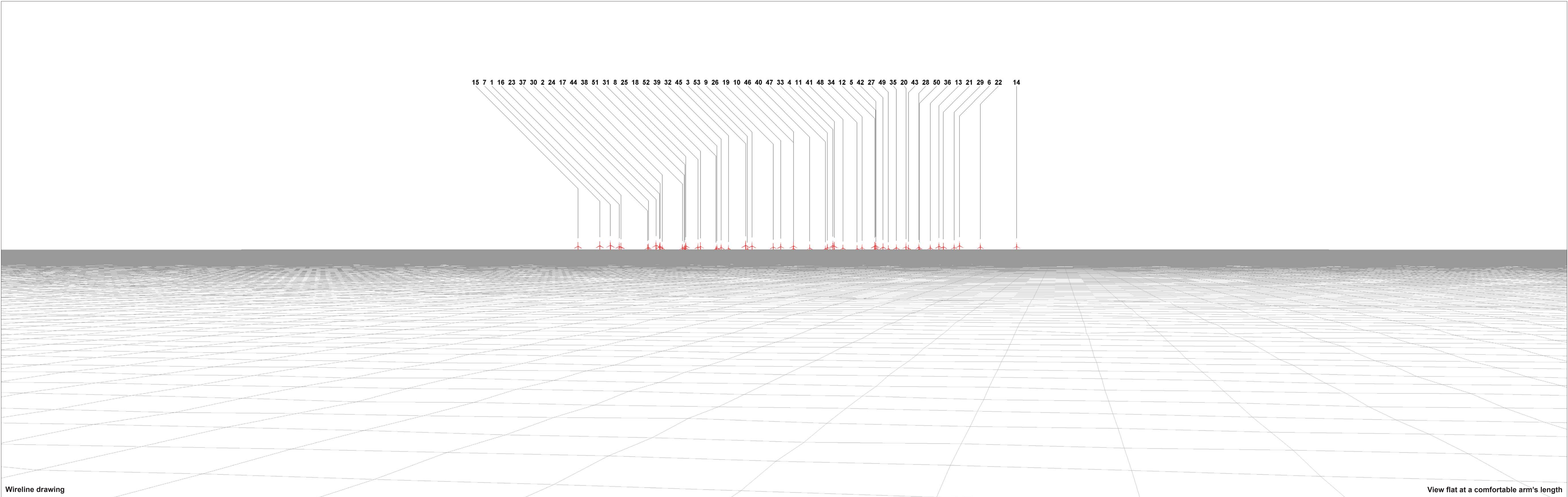
**Figure: 28.28c**  
**Viewpoint 4: Southwold**



<b>OS reference:</b> 651072 E 276454 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.07 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 192°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.470 km		<b>Date and time:</b> 12/07/18, 17:36

**Figure: 28.28d**  
**Viewpoint 4: Southwold**





Wireline drawing

View flat at a comfortable arm's length

<p><b>OS reference:</b> 651072 E 276454 N  <b>Eye level:</b> 11.07 m AOD  <b>Direction of view:</b> 80°  <b>Nearest turbine:</b> 42.470 km</p>	<p><b>Horizontal field of view:</b> 53.5° (planar projection)  <b>Principal distance:</b> 812.5 mm  <b>Paper size:</b> 841 x 297 mm  <b>Correct printed image size:</b> 820 x 260 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/07/18, 17:36</p>	<p><b>Figure: 28.28e</b>  <b>Viewpoint 4: Southwold</b></p>
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Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b> 651072 E 276454 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.07 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 80°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.470 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/07/18, 17:36

**Figure: 28.28f**  
**Viewpoint 4: Southwold**



Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b>	651072 E 276454 N	<b>Horizontal field of view:</b>	53.5° (planar projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	11.07 m AOD	<b>Principal distance</b>	812.5 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	80°	<b>Paper size:</b>	841 x 297 mm	<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	42.470 km	<b>Correct printed image size:</b>	820 x 260 mm	<b>Date and time:</b>	17/09/17, 18:42

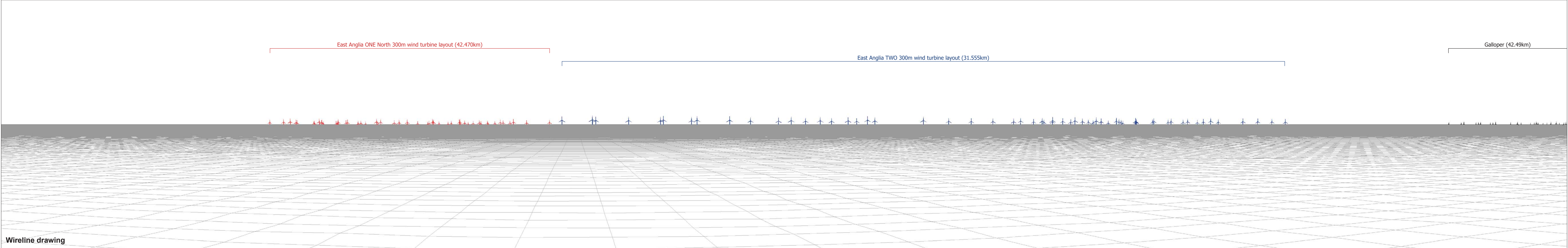
**NOTE:** In order to undertake a compliant worst case environmental impact assessment, the night time visualisations show the maximum required lighting intensity (2000cd) in excellent visibility conditions. This is considered an unrealistic worst case as turbine lighting regulations permit aviation warning lights to be dimmed to 10% of full intensity (i.e. 200cd) when visibility from every wind turbine is more than 5km, thereby reducing the lighting intensity visible from shore. It is intended that this dimming functionality would be installed (as is the case on the East Anglia ONE project). Where visibility conditions do not permit aviation warning lights to be dimmed, then it is unlikely that the actual visibility of aviation warning lighting at night time will be as shown on the visualisations due to poorer visibility conditions.

**Figure: 28.28g**  
**Viewpoint 4: Southwold**



Existing photograph

This image provides landscape and visual context only



Wireline drawing

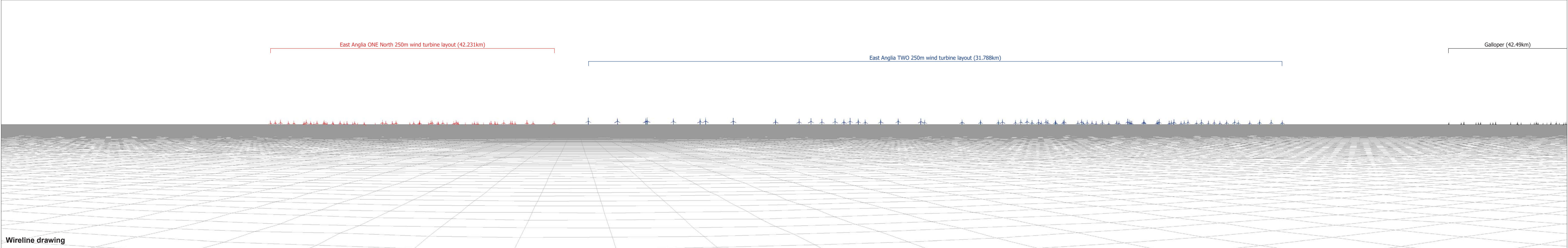
<b>OS reference:</b> 651072 E 276454 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.07 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 102°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.470 km		<b>Date and time:</b> 12/07/18, 17:36

**Figure: 28.28h**  
**Viewpoint 4: Southwold**



Existing photograph

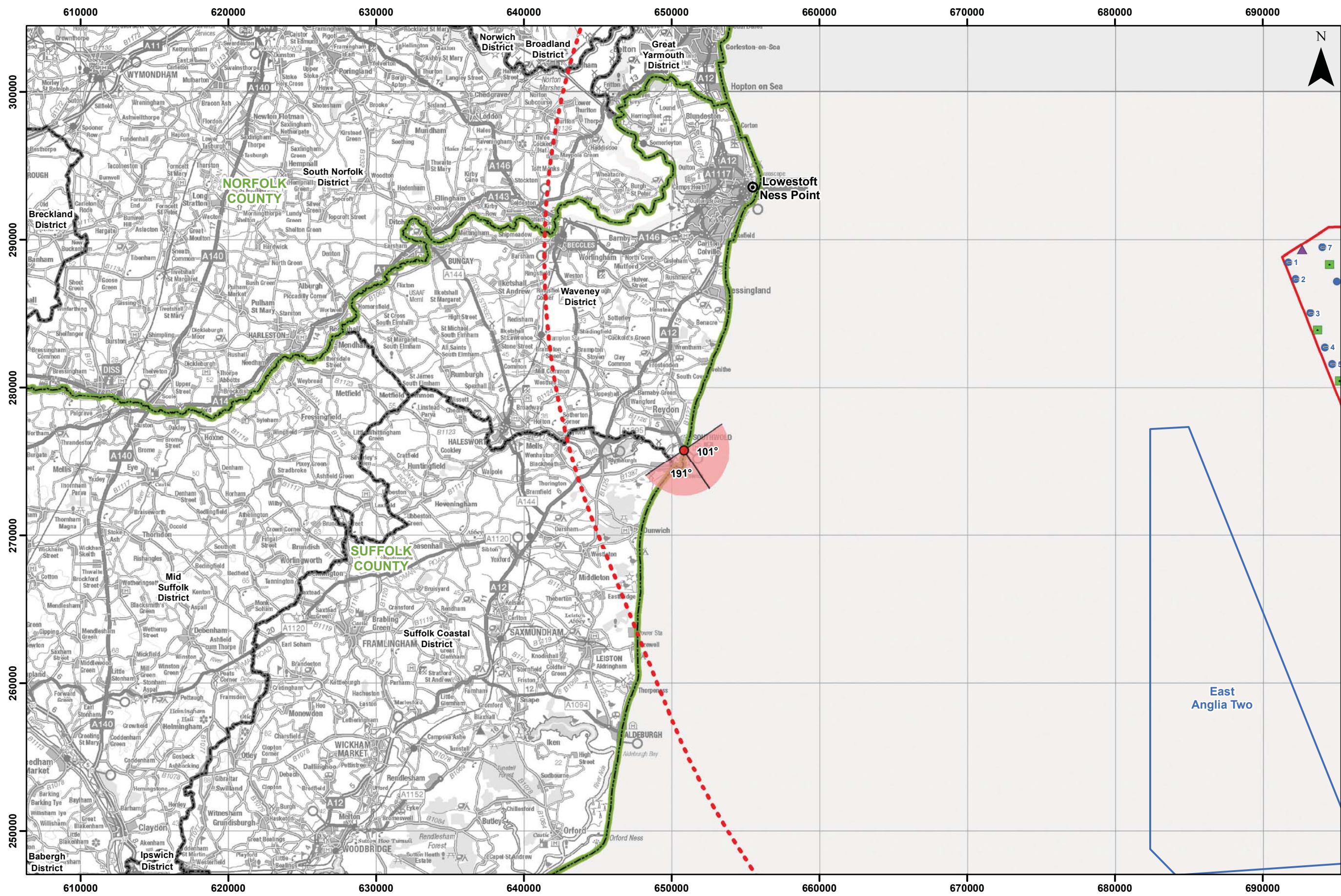
This image provides landscape and visual context only



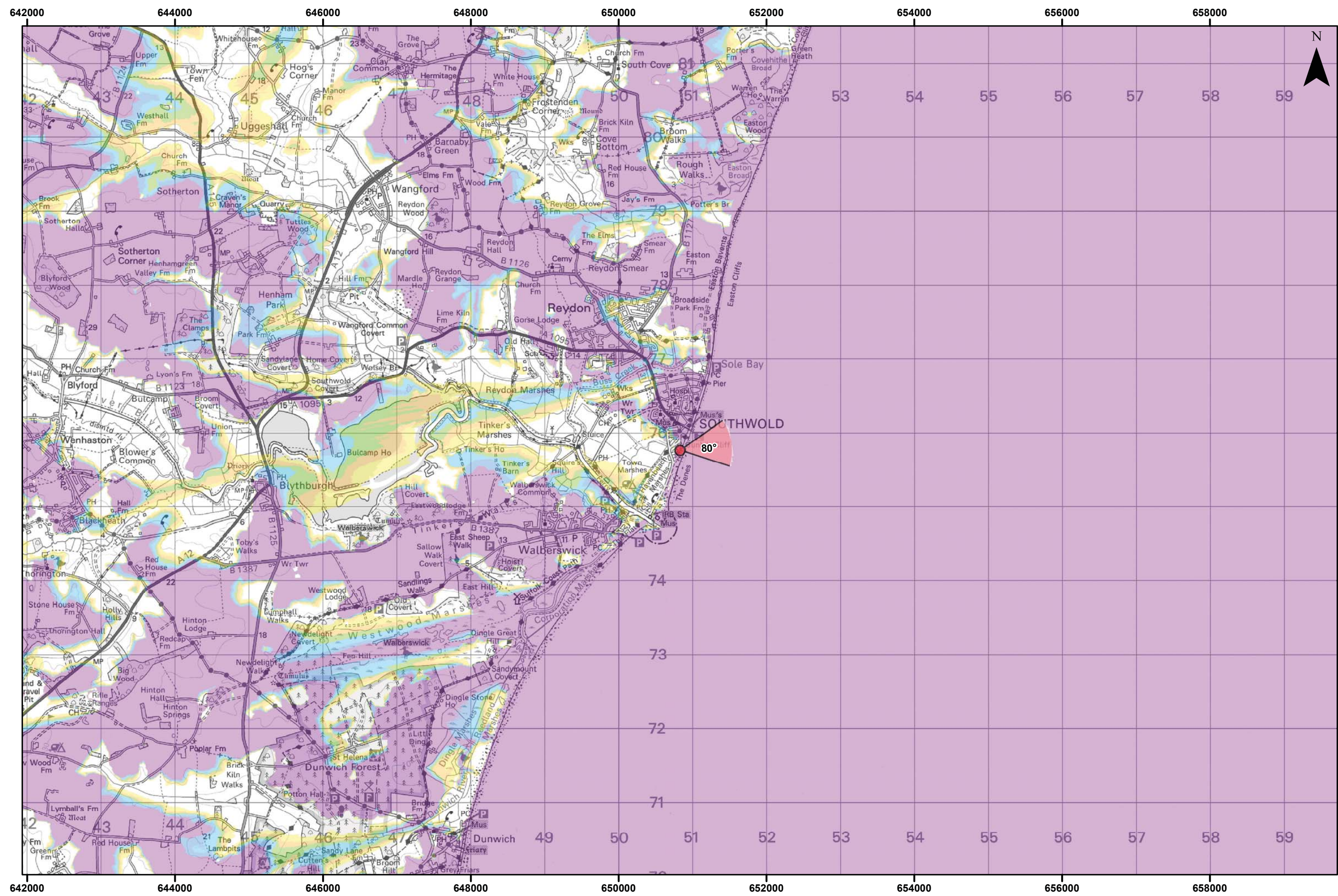
Wireline drawing

<b>OS reference:</b> 651072 E 276454 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.07 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 102°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.231 km		<b>Date and time:</b> 12/07/18, 17:36

**Figure: 28.28i**  
**Viewpoint 4: Southwold**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations
- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53
- Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

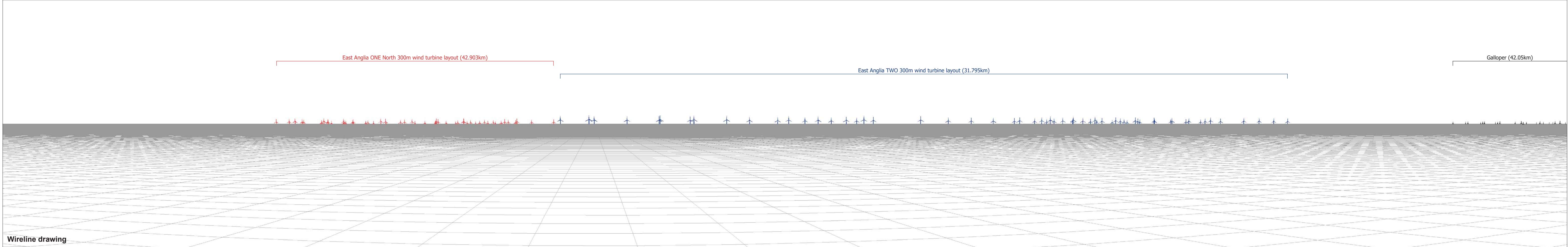
Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.29a	
<b>East Anglia ONE North</b>		
Viewpoint: 5		
Gun Hill, Southwold		



Existing photograph

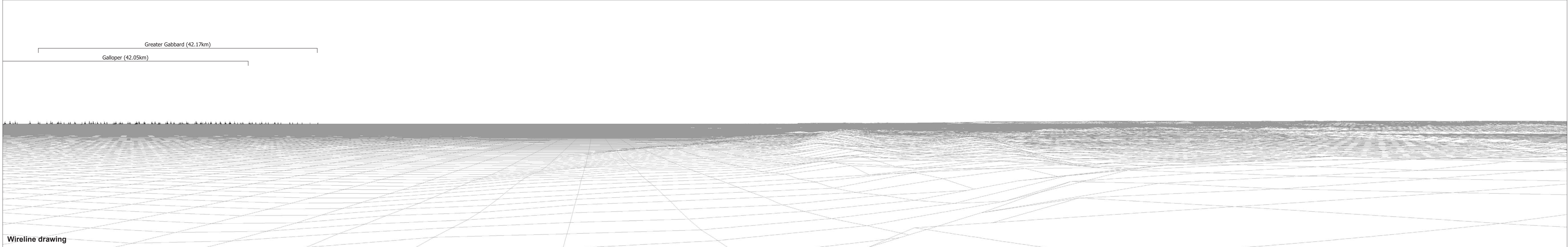
This image provides landscape and visual context only



Wireline drawing

<b>OS reference:</b> 650828 E 275764 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 9.84 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 101°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.903 km		<b>Date and time:</b> 12/07/18, 18:02

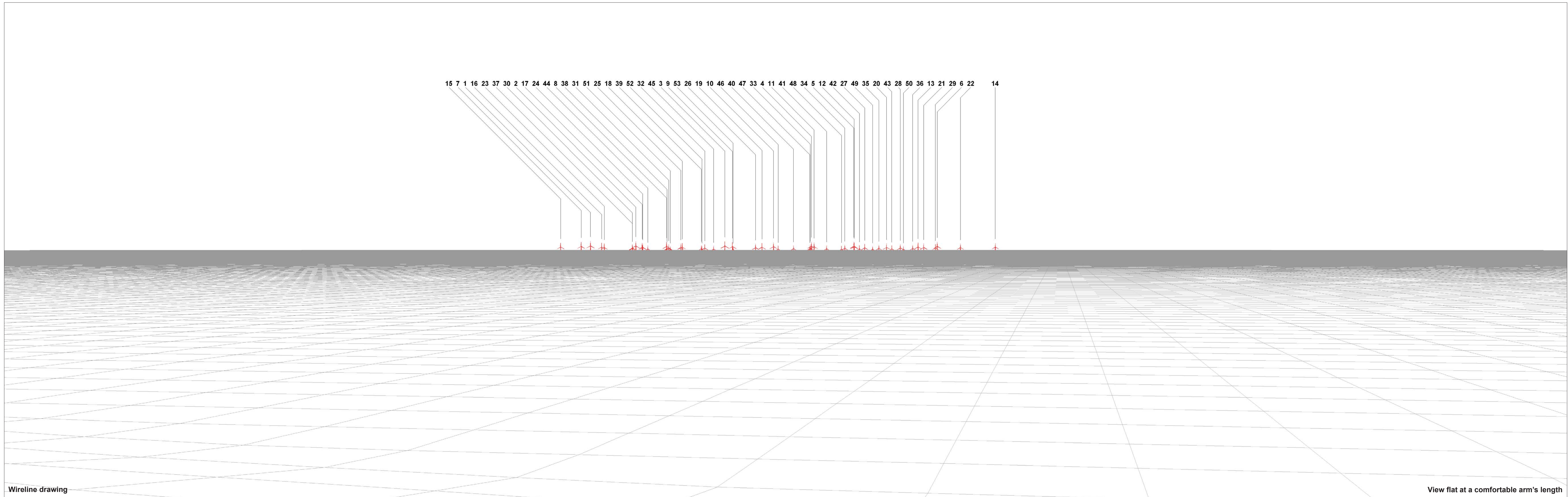
**Figure: 28.29b**  
**Viewpoint 5: Gun Hill, Southwold**



<b>OS reference:</b> 650828 E 275764 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 9.84 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 191°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.903 km		<b>Date and time:</b> 12/07/18, 18:02

**Figure: 28.29c**  
**Viewpoint 5: Gun Hill, Southwold**





Wireline drawing

View flat at a comfortable arm's length

OS reference: 650828 E 275764 N  
 Eye level: 9.84 m AOD  
 Direction of view: 80°  
 Nearest turbine: 42.903 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 12/07/18, 18:02

Figure: 28.29d  
 Viewpoint 5: Gun Hill, Southwold



Photomontage

View flat at a comfortable arm's length

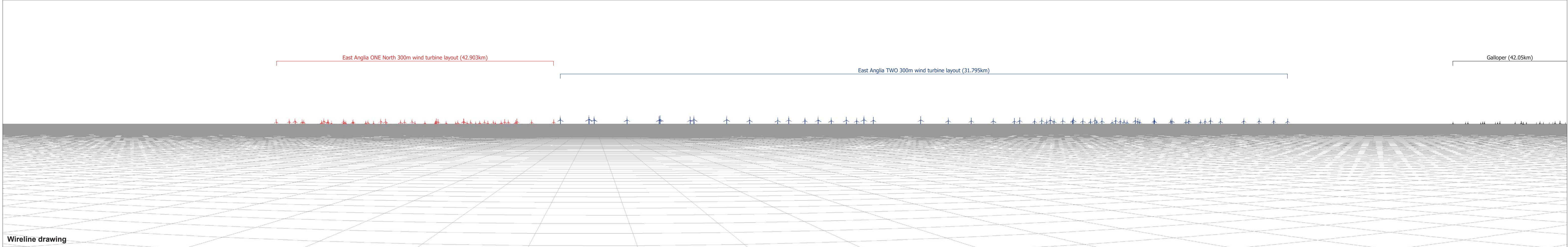
<b>OS reference:</b> 650828 E 275764 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 9.84 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 80°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.903 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/07/18, 18:02

**Figure: 28.29e**  
**Viewpoint 5: Gun Hill, Southwold**



Existing photograph

This image provides landscape and visual context only



Wireline drawing

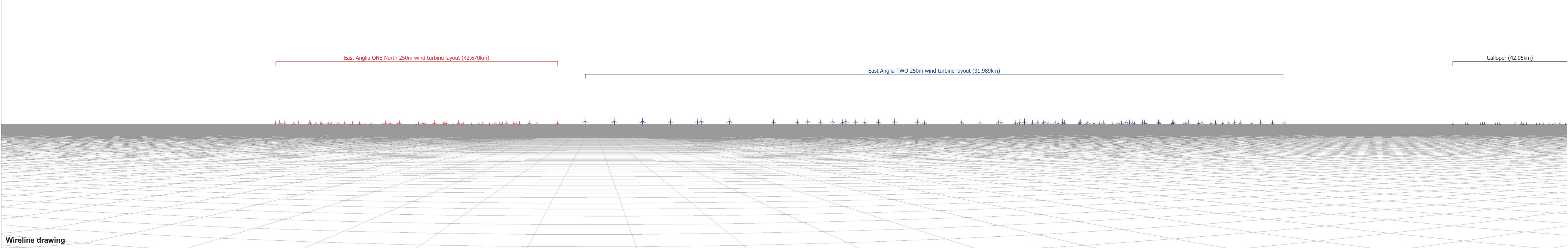
<b>OS reference:</b> 650828 E 275764 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 9.84 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 101°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.903 km		<b>Date and time:</b> 12/07/18, 18:02

**Figure: 28.29f**  
**Viewpoint 5: Gun Hill, Southwold**



Existing photograph

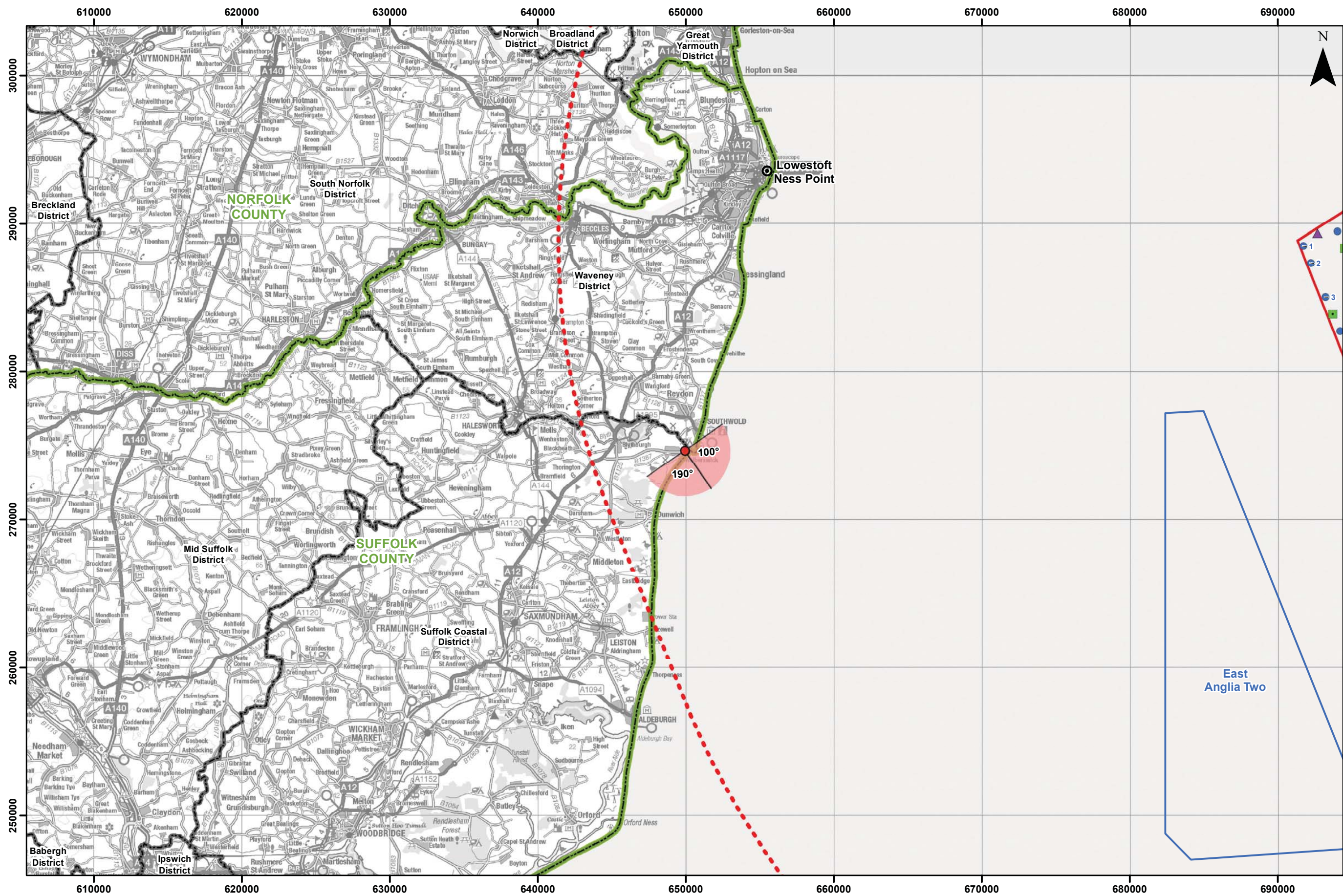
This image provides landscape and visual context only



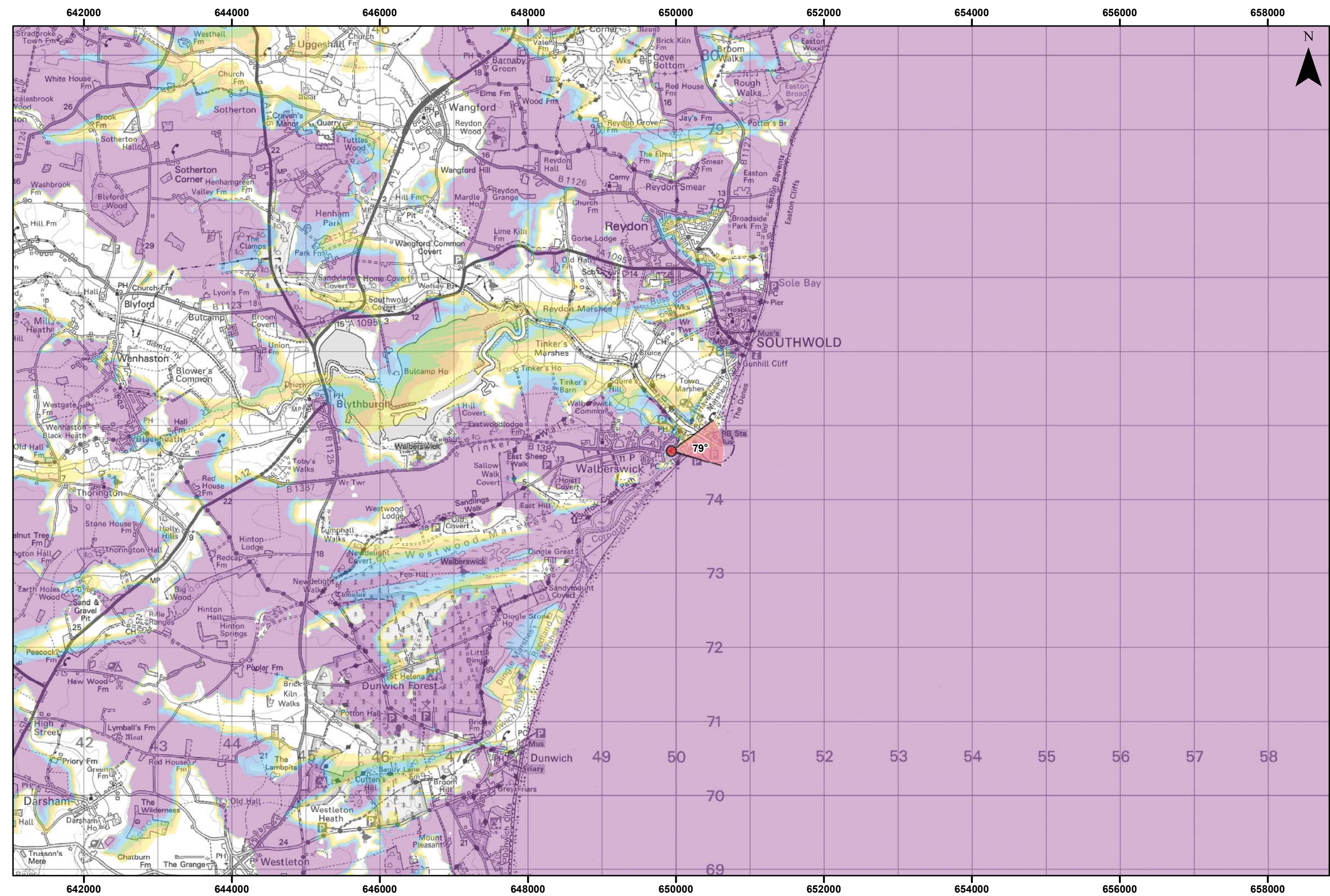
Wireline drawing

<b>OS reference:</b> 650828 E 275764 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 9.84 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 101°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.670 km		<b>Date and time:</b> 12/07/18, 18:02

**Figure: 28.29g**  
**Viewpoint 5: Gun Hill, Southwold**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



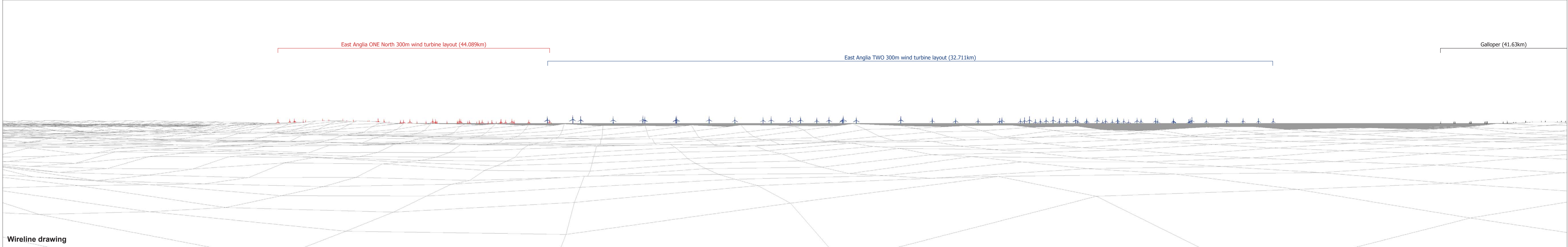
- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations
- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

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Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.30a	
<b>East Anglia ONE North</b>		
Viewpoint: 6		
Walberswick		

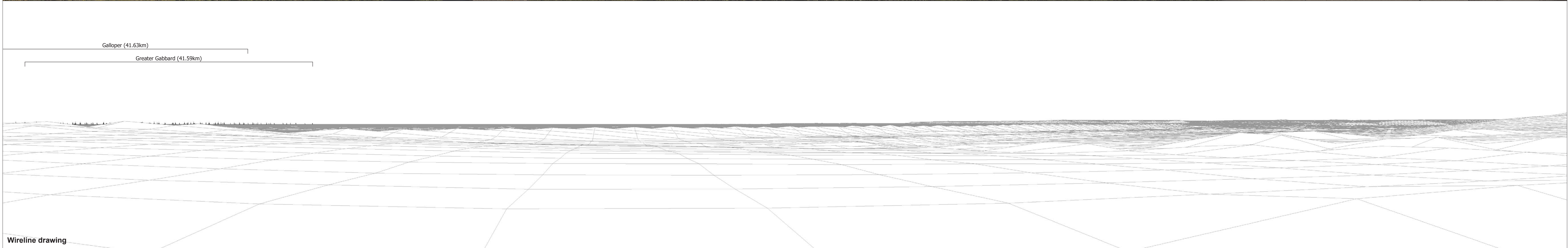


OS reference: 649936 E 274658 N  
 Eye level: 3.89 m AOD  
 Direction of view: 100°  
 Nearest turbine: 44.089 km

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: 13/07/18, 17:58

Figure: 28.30b  
 Viewpoint 6: Walberswick

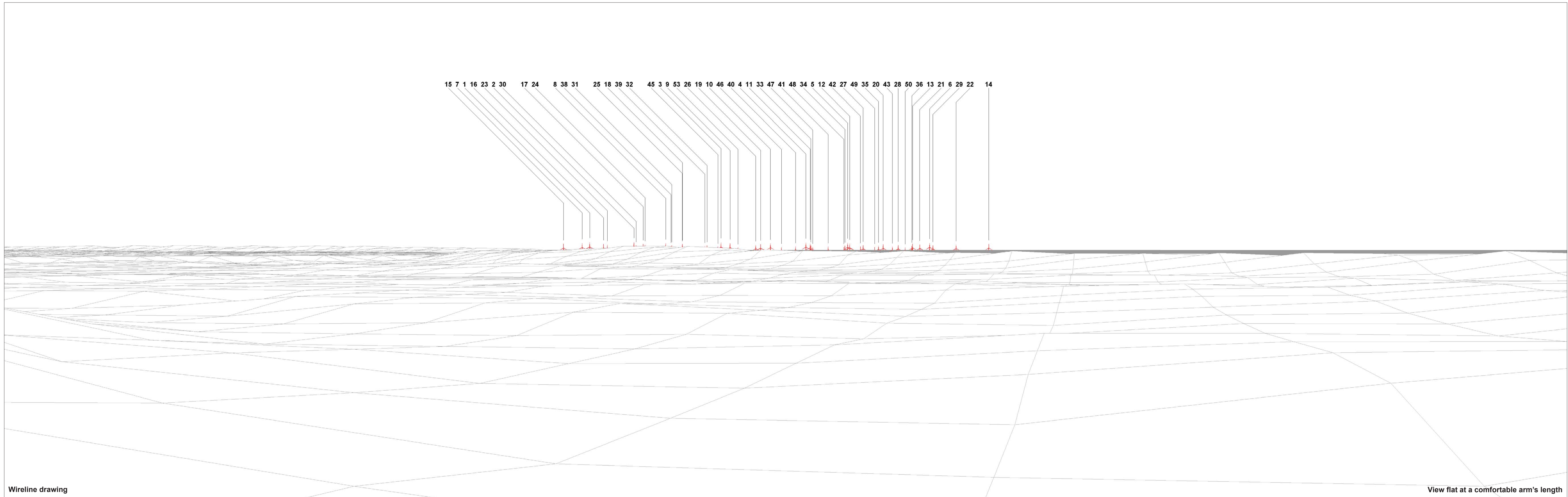


OS reference: 649936 E 274658 N  
 Eye level: 3.89 m AOD  
 Direction of view: 190°  
 Nearest turbine: 44.089 km

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: 13/07/18, 17:58

Figure: 28.30C  
 Viewpoint 6: Walberswick



15 7 1 16 23 2 30 17 24 8 38 31 25 18 39 32 45 3 9 53 26 19 10 46 40 4 11 33 47 41 48 34 5 12 42 27 49 35 20 43 28 50 36 13 21 6 29 22 14

Wireline drawing

View flat at a comfortable arm's length

OS reference: 649936 E 274658 N  
Eye level: 3.89 m AOD  
Direction of view: 79°  
Nearest turbine: 44.089 km

Horizontal field of view: 53.5° (planar projection)  
Principal distance: 812.5 mm  
Paper size: 841 x 297 mm  
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: 13/07/18, 17:58

Figure: 28.30d  
Viewpoint 6: Walberswick

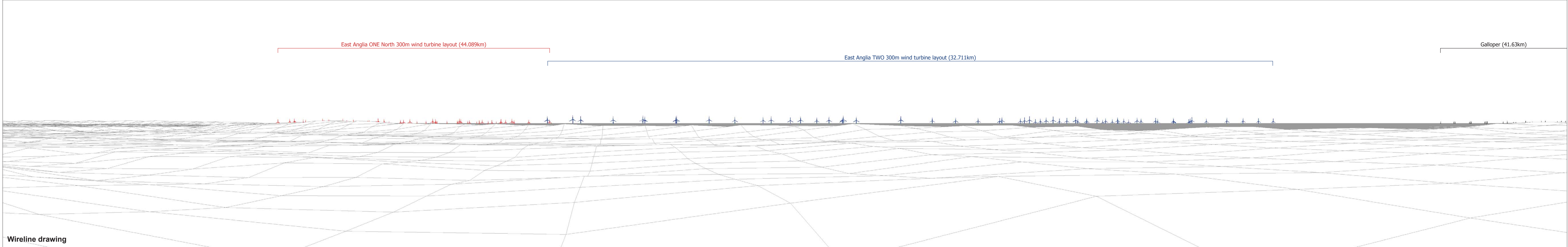




Photomontage

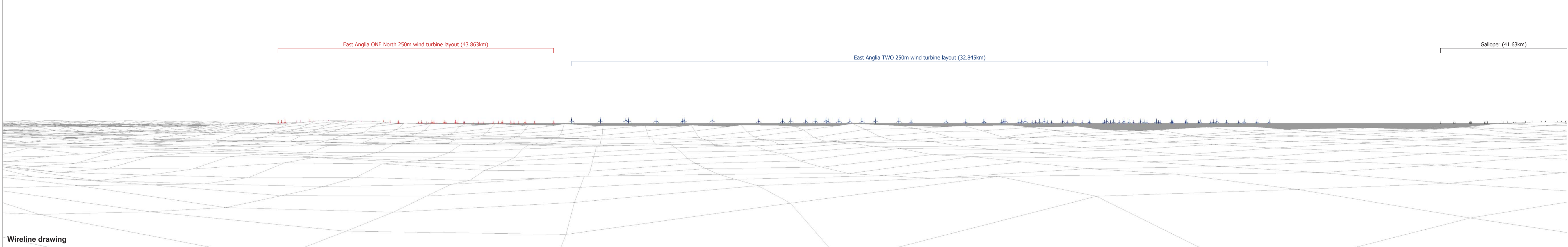
View flat at a comfortable arm's length

<b>OS reference:</b> 649936 E 274658 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II	
<b>Eye level:</b> 3.89 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)	
<b>Direction of view:</b> 79°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL	
<b>Nearest turbine:</b> 44.089 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 13/07/18, 17:58	<b>Figure: 28.30e</b> <b>Viewpoint 6: Walberswick</b>



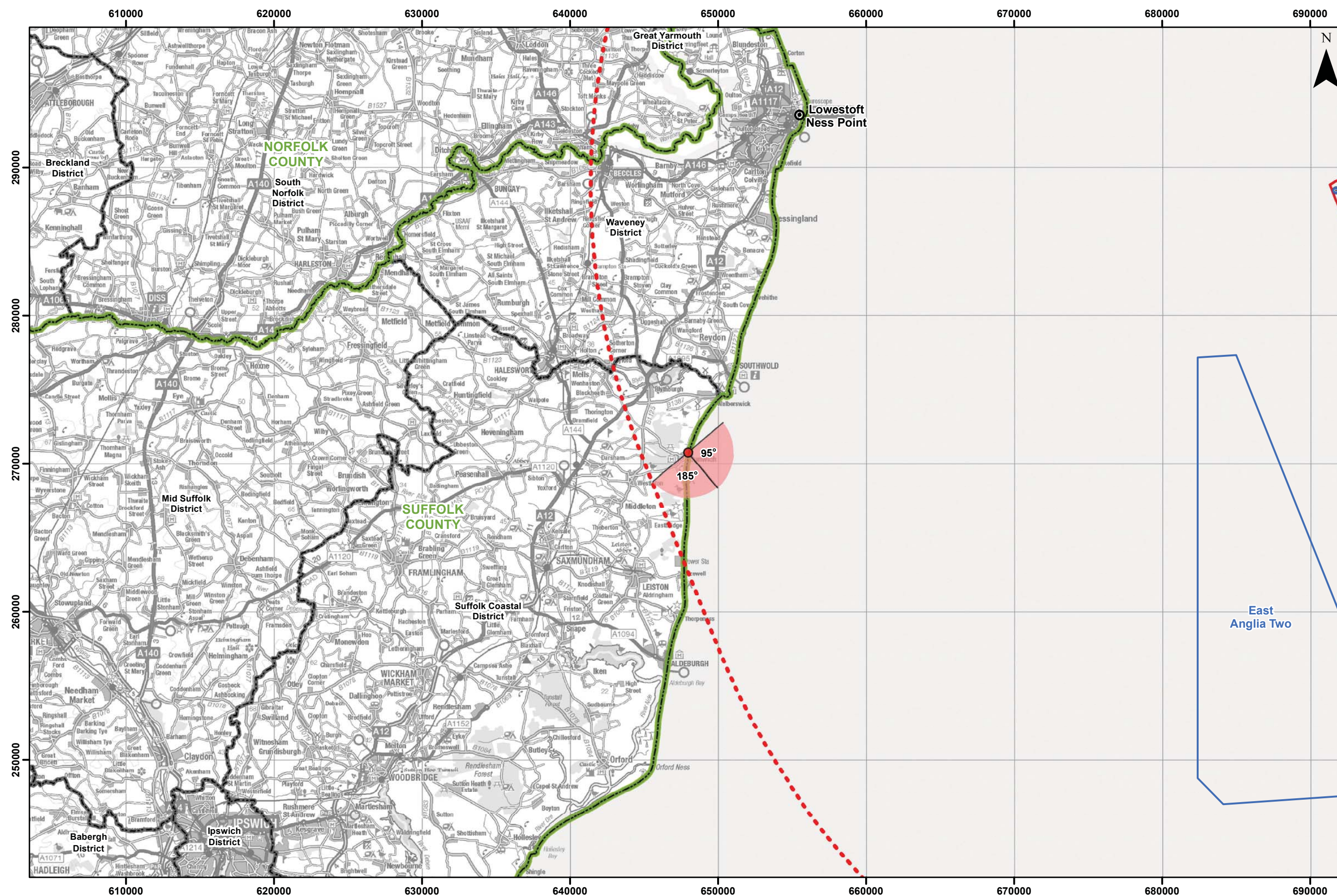
<b>OS reference:</b> 649936 E 274658 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 3.89 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 100°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 44.089 km		<b>Date and time:</b> 13/07/18, 17:58

**Figure: 28.30f**  
**Viewpoint 6: Walberswick**

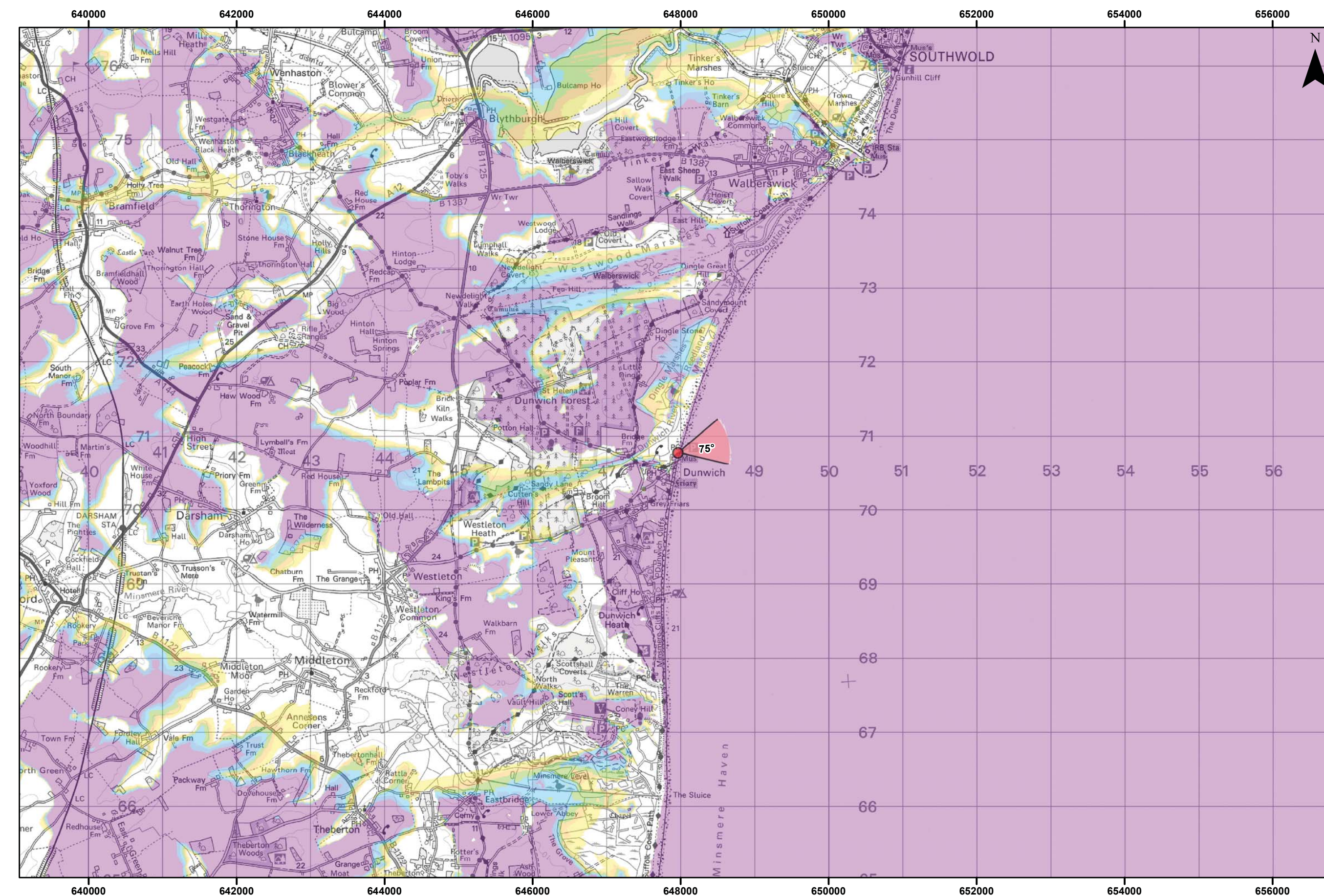


<b>OS reference:</b> 649936 E 274658 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 3.89 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 100°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 43.863 km		<b>Date and time:</b> 13/07/18, 17:58

**Figure: 28.30g**  
**Viewpoint 6: Walberswick**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations
- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

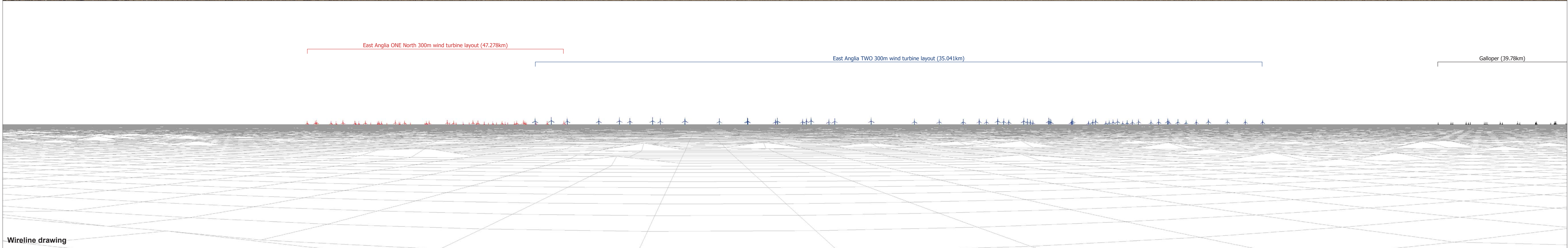
Rev	Date	By	Comment	Approved:	LT
3	16/01/2019	TH	Update Document Reference		
2	08/01/2019	TH	Layout Update	Prepared:	TH
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM

Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.31a	
<b>East Anglia ONE North</b>		
Viewpoint: 7		
Dunwich		



Existing photograph

This image provides landscape and visual context only



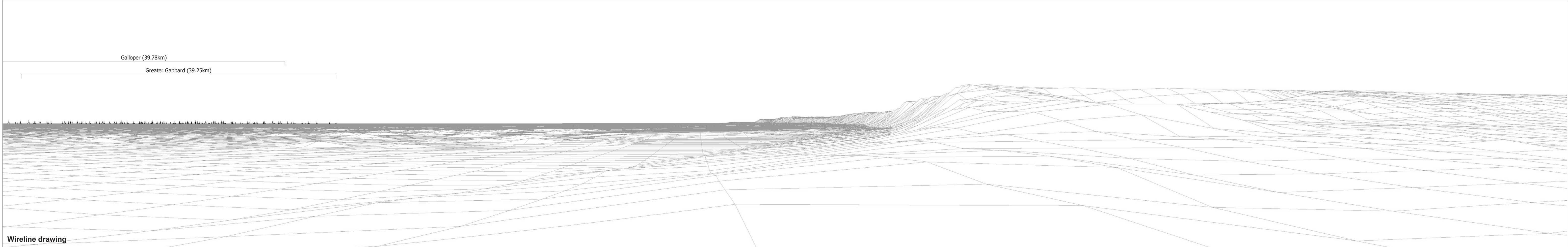
Wireline drawing

OS reference: 647961 E 270777 N  
 Eye level: 6.34 m AOD  
 Direction of view: 95°  
 Nearest turbine: 47.278 km

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

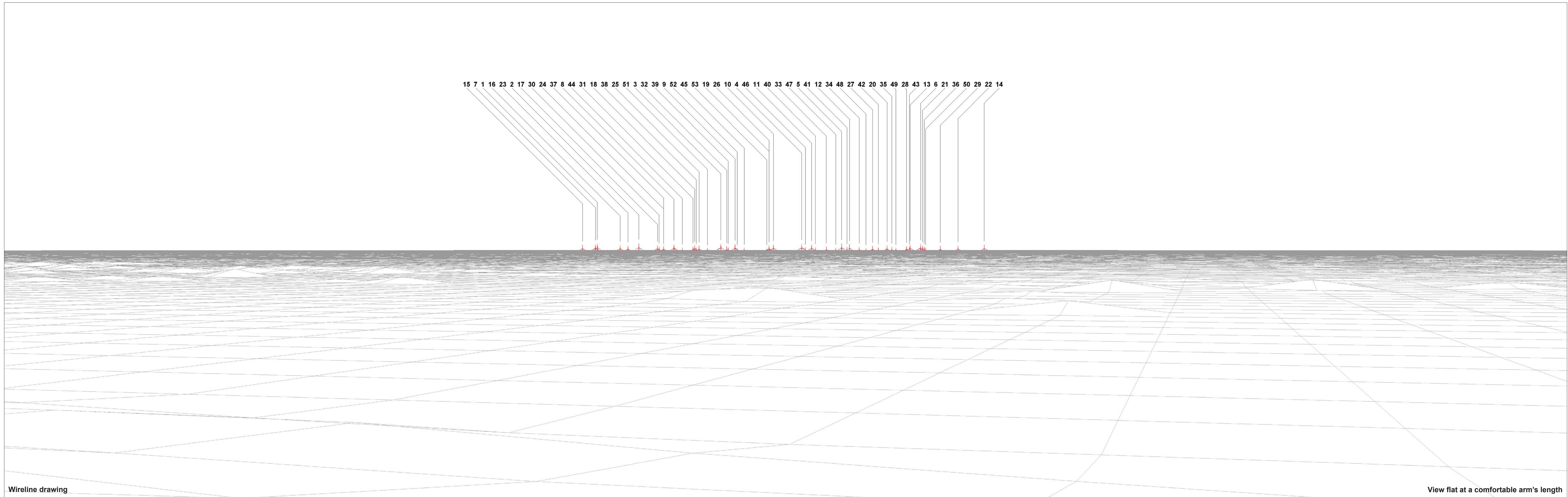
Camera: Canon EOS 6D  
 Lens: 50mm (Canon EF 50mm f/1.4)  
 Camera height: 1.5 m AGL  
 Date and time: 13/07/18, 18:23

Figure: 28.31b  
 Viewpoint 7: Dunwich



<b>OS reference:</b>	647961 E 270777 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 6D
<b>Eye level:</b>	6.34 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	185°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	47.278 km			<b>Date and time:</b>	13/07/18, 18:23

**Figure: 28.31c**  
**Viewpoint 7: Dunwich**



15 7 1 16 23 2 17 30 24 37 8 44 31 18 38 25 51 3 32 39 9 52 45 53 19 26 10 4 46 11 40 33 47 5 41 12 34 48 27 42 20 35 49 28 43 13 6 21 36 50 29 22 14

Wireline drawing

View flat at a comfortable arm's length

OS reference: 647961 E 270777 N  
 Eye level: 6.34 m AOD  
 Direction of view: 75°  
 Nearest turbine: 47.278 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 13/07/18, 18:23

Figure: 28.31d  
 Viewpoint 7: Dunwich



Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b> 647961 E 270777 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 6.34 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 75°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 47.278 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 13/07/18, 18:23

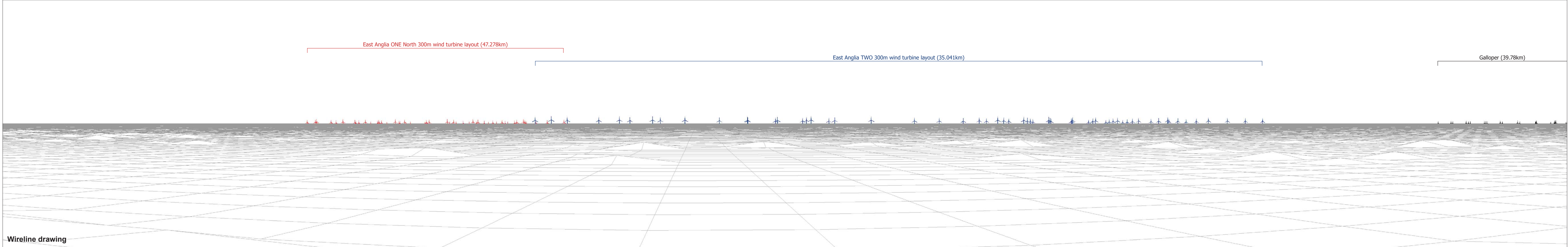
**Figure: 28.31e**  
**Viewpoint 7: Dunwich**





Existing photograph

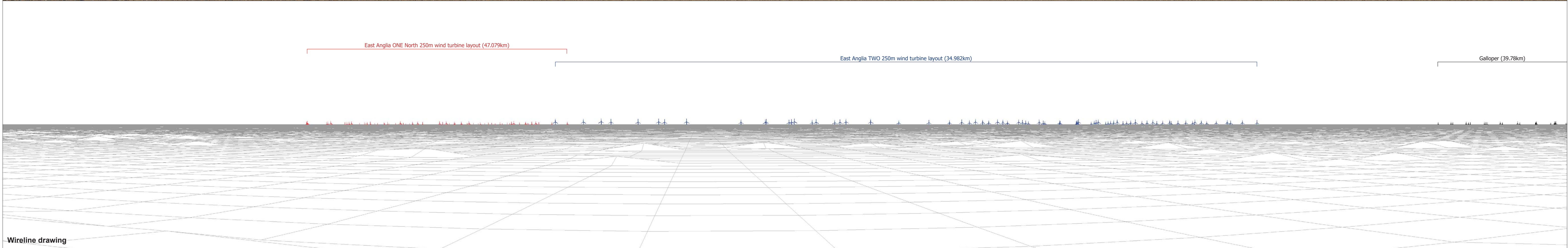
This image provides landscape and visual context only



Wireline drawing

<b>OS reference:</b> 647961 E 270777 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 6.34 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 95°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 47.278 km		<b>Date and time:</b> 13/07/18, 18:23

**Figure: 28.31f**  
**Viewpoint 7: Dunwich**

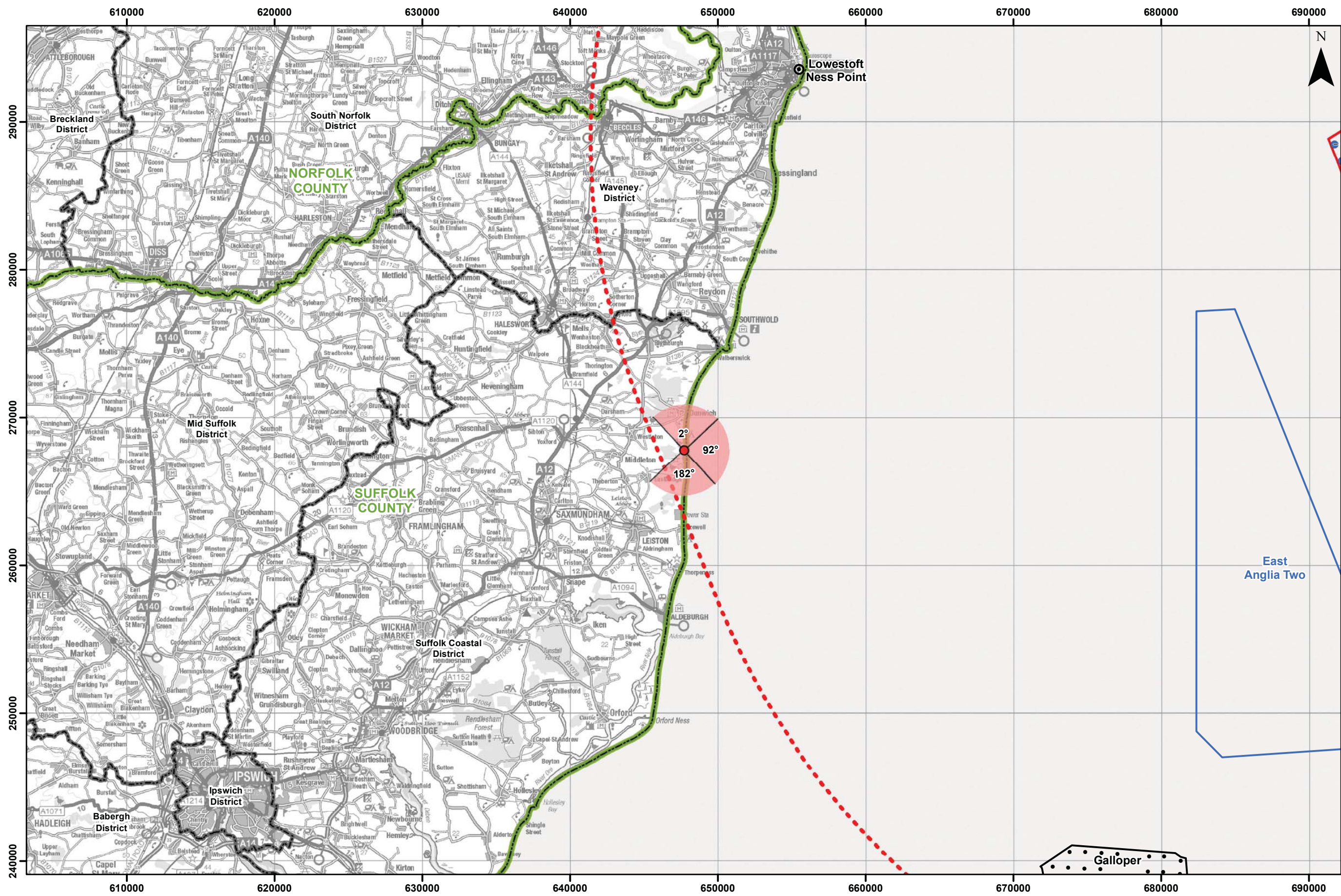


OS reference: 647961 E 270777 N  
 Eye level: 6.34 m AOD  
 Direction of view: 95°  
 Nearest turbine: 47.060 km

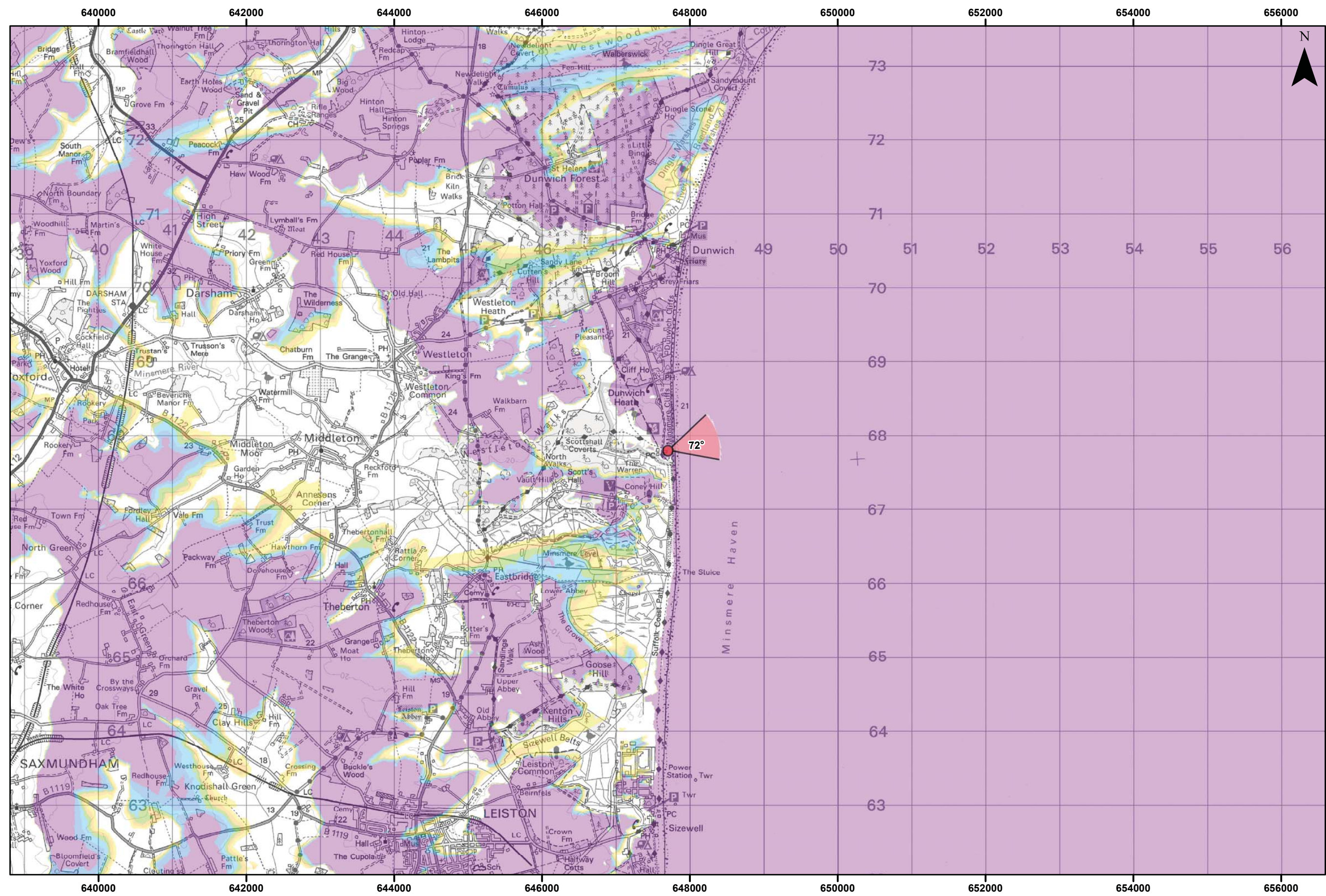
Horizontal field of view: 90° (cylindrical projection)  
 Principal distance: 522 mm

Camera: Canon EOS 6D  
 Lens: 50mm (Canon EF 50mm f/1.4)  
 Camera height: 1.5 m AGL  
 Date and time: 13/07/18, 18:23

Figure: 28.31g  
 Viewpoint 7: Dunwich



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

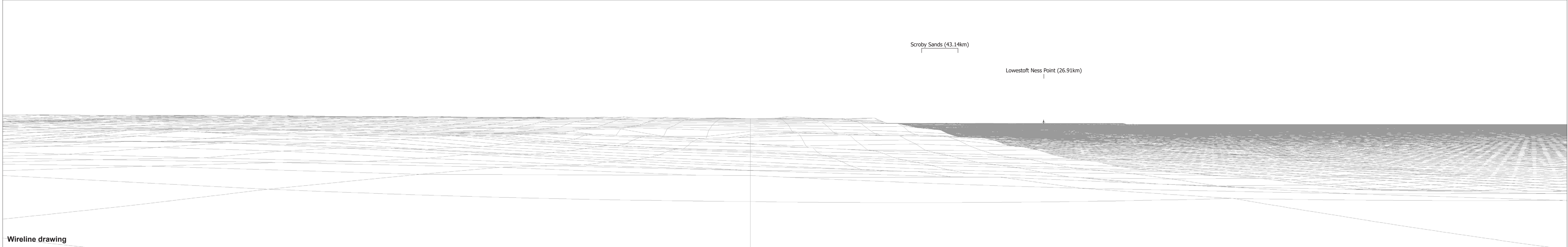
- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:	LT
3	16/01/2019	TH	Update Document Reference		
2	08/01/2019	TH	Layout Update	Prepared:	TH
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM

<b>East Anglia ONE North</b>		<b>Doc Ref</b>	EA1N-DEWVF-ENV-REP-IBR-000297
<b>Viewpoint: 8</b>		<b>Rev</b>	3
<b>Dunwich Heath &amp; Beach (Coastguard Cottages)</b>		<b>Date</b>	16/01/19
<b>Figure</b>	28.32a	<b>Datum:</b>	WGS 1984
		<b>Projection:</b>	Zone 31N

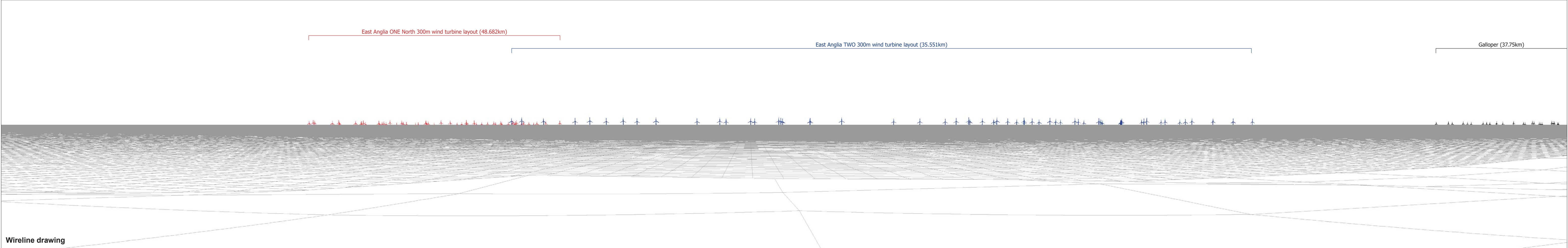


OS reference: 647700 E 267801 N  
 Eye level: 18.28 m AOD  
 Direction of view: 2°  
 Nearest turbine: 48.682 km

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

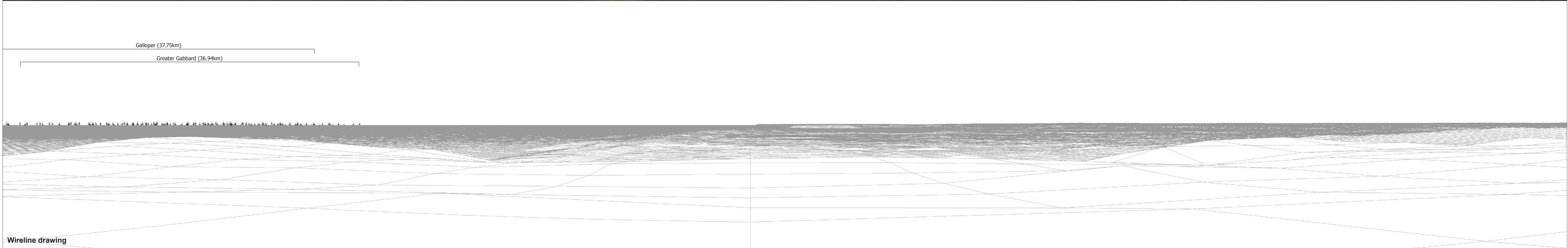
Camera: Canon EOS 5D Mark II  
 Lens: 50mm (Canon EF 50mm f/1.4)  
 Camera height: 1.5 m AGL  
 Date and time: 13/07/18, 18:42

Figure: 28.32b  
 Viewpoint 8: Dunwich Heath & Beach  
 (Coastguard cottages)

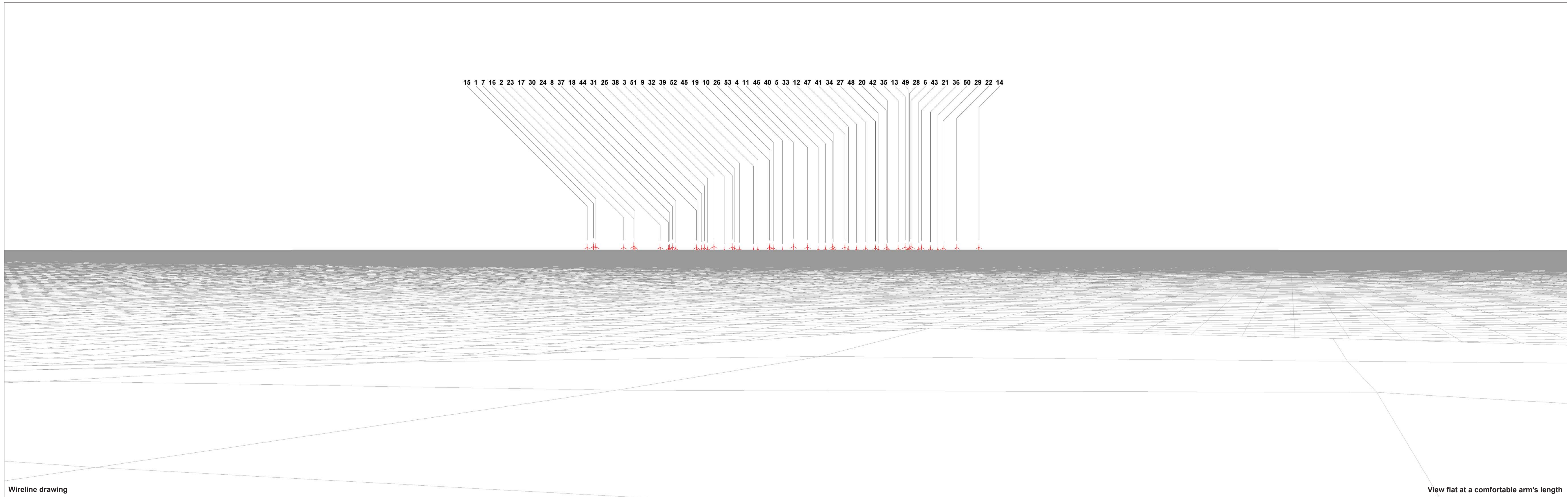


<b>OS reference:</b> 647700 E 267801 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 18.28 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 92°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 48.682 km		<b>Date and time:</b> 13/07/18, 18:42

**Figure: 28.32c**  
**Viewpoint 8: Dunwich Heath & Beach**  
**(Coastguard cottages)**



<p><b>OS reference:</b> 647700 E 267801 N  <b>Eye level:</b> 18.28 m AOD  <b>Direction of view:</b> 182°  <b>Nearest turbine:</b> 48.682 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 13/07/18, 18:42</p>	<p><b>Figure: 28.32d</b>  <b>Viewpoint 8: Dunwich Heath &amp; Beach</b>  <b>(Coastguard cottages)</b></p>
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Wireline drawing

View flat at a comfortable arm's length

OS reference: 647700 E 267801 N  
 Eye level: 18.28 m AOD  
 Direction of view: 72°  
 Nearest turbine: 48.682 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 13/07/18, 18:42

Figure: 28.32e  
 Viewpoint 8: Dunwich Heath & Beach  
 (Coastguard cottages)



Photomontage

View flat at a comfortable arm's length

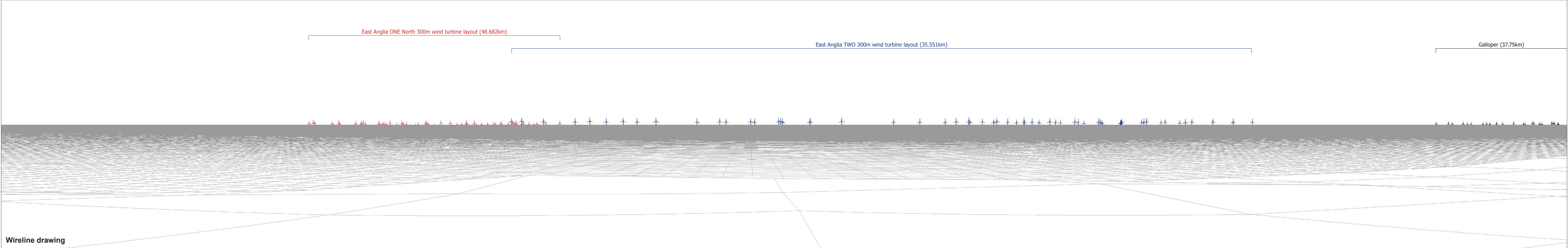
<b>OS reference:</b> 647700 E 267801 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II	
<b>Eye level:</b> 18.28 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)	
<b>Direction of view:</b> 72°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL	
<b>Nearest turbine:</b> 48.682 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 13/07/18, 18:42	<b>Figure: 28.32f</b> <b>Viewpoint 8: Dunwich Heath &amp; Beach</b> <b>(Coastguard cottages)</b>





Existing photograph

This image provides landscape and visual context only



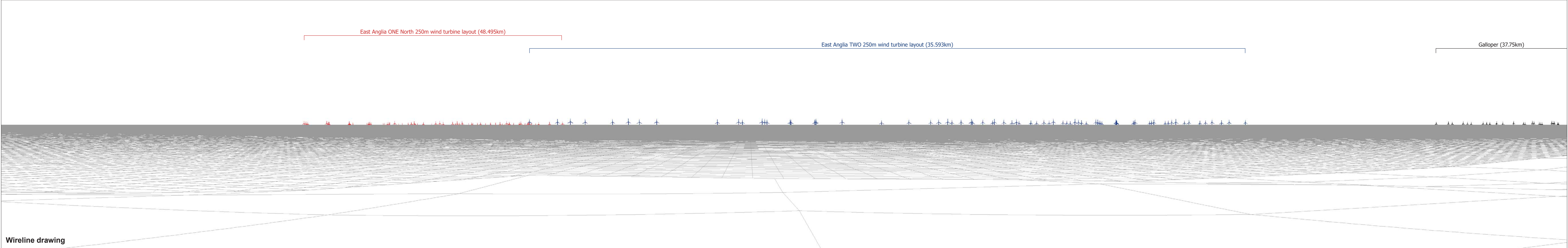
Wireline drawing

<p><b>OS reference:</b> 647700 E 267801 N  <b>Eye level:</b> 18.28 m AOD  <b>Direction of view:</b> 92°  <b>Nearest turbine:</b> 48.682 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 13/07/18, 18:42</p>	<p><b>Figure: 28.32g</b>  <b>Viewpoint 8: Dunwich Heath &amp; Beach</b>  <b>(Coastguard cottages)</b></p>
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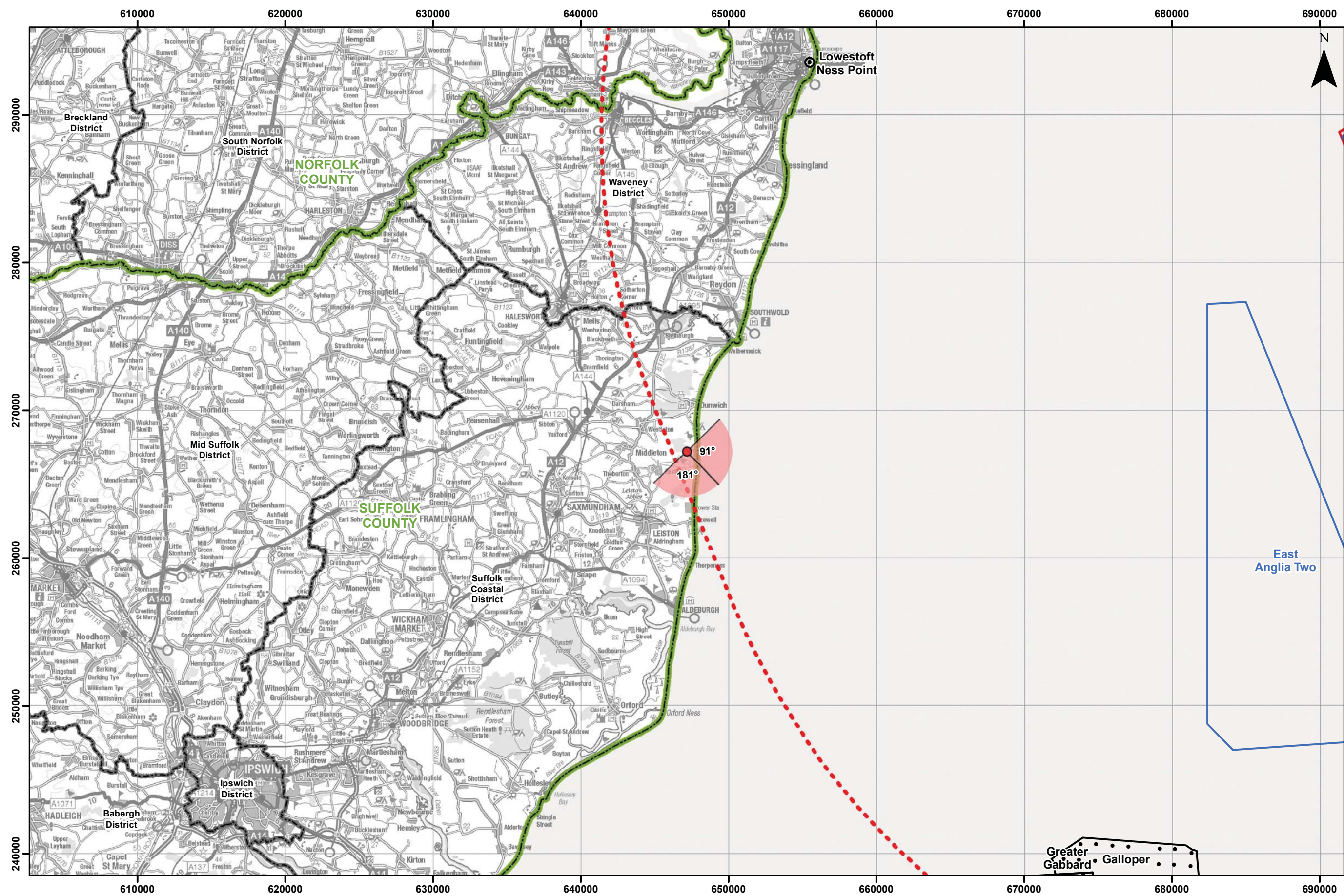
Existing photograph

This image provides landscape and visual context only

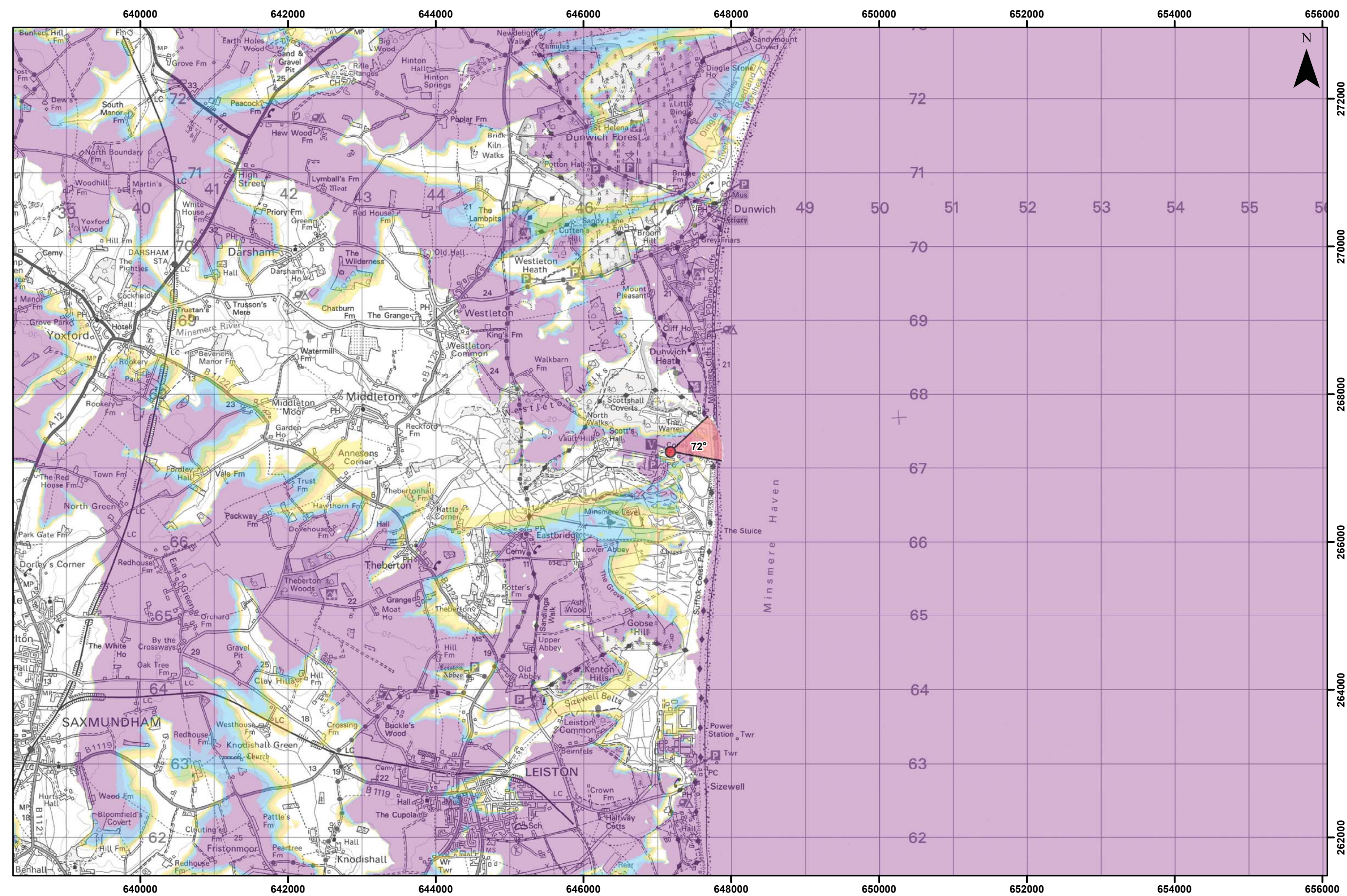


Wireline drawing

<p><b>OS reference:</b> 647700 E 267801 N  <b>Eye level:</b> 18.28 m AOD  <b>Direction of view:</b> 92°  <b>Nearest turbine:</b> 48.495 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 13/07/18, 18:42</p>	<p><b>Figure: 28.32h</b>  <b>Viewpoint 8: Dunwich Heath &amp; Beach</b>  <b>(Coastguard cottages)</b></p>
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**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

**East Anglia ONE North**  
Viewpoint: 9  
Minsmere Nature Reserve

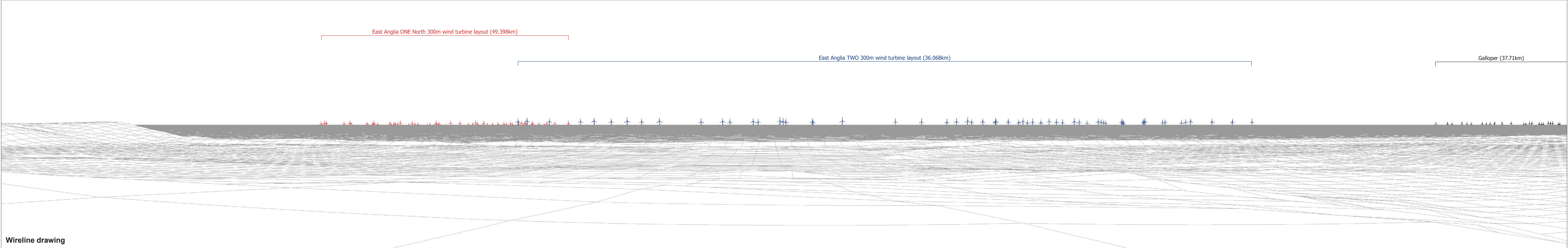
Doc Ref	Rev	Date	Figure
EA1N-DEWVF-ENV-REP-IBR-000297	3	16/01/19	28.33a

Datum: WGS 1984  
Projection: Zone 31N



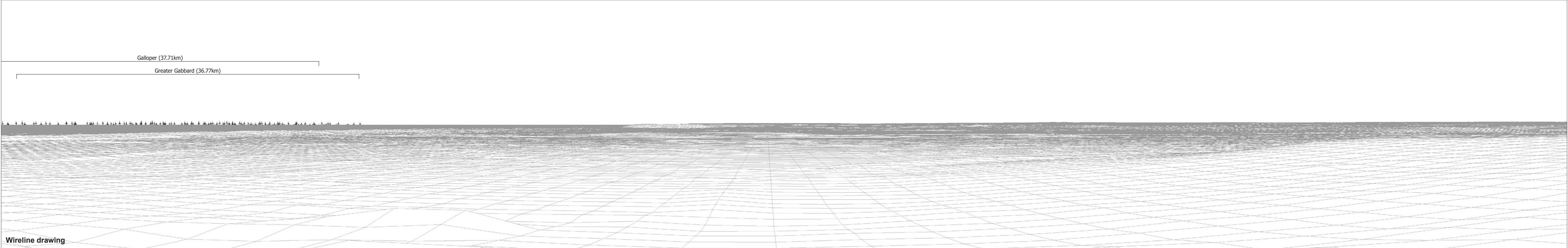
Existing photograph

This image provides landscape and visual context only



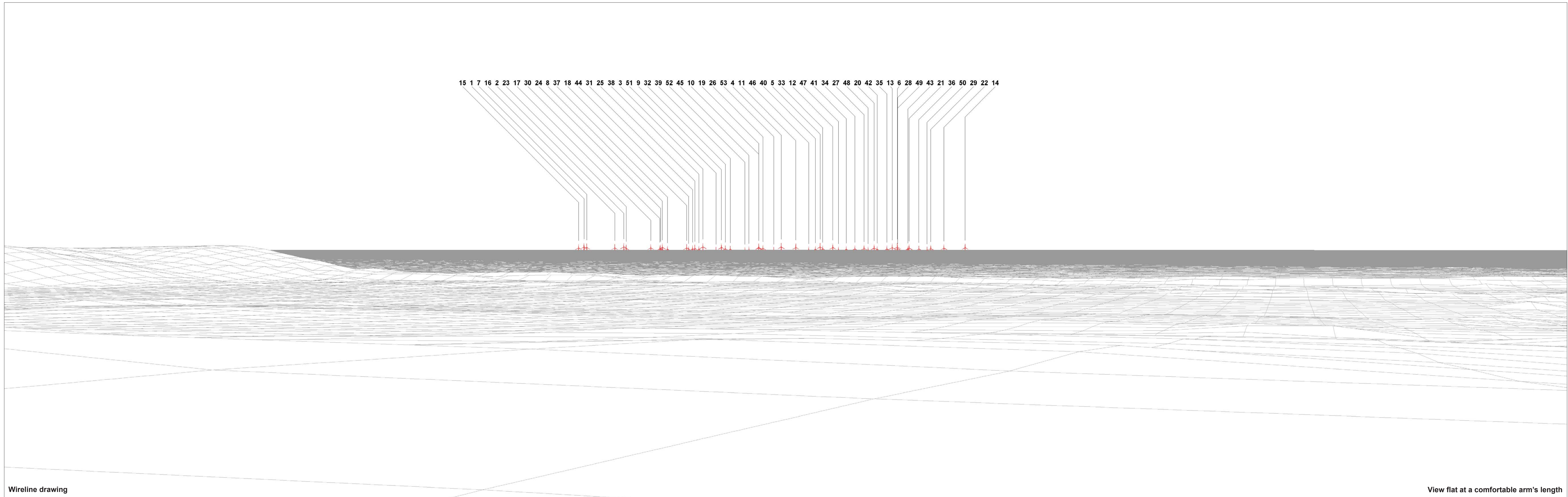
Wireline drawing

<b>OS reference:</b>	647171 E 267225 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 5D Mark II	<b>Figure: 28.33b</b> <b>Viewpoint 9: Minsmere Nature Reserve</b>
<b>Eye level:</b>	15.55 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)	
<b>Direction of view:</b>	91°			<b>Camera height:</b>	1.5 m AGL	
<b>Nearest turbine:</b>	49.398 km			<b>Date and time:</b>	13/09/17, 13:04	



<b>OS reference:</b> 647171 E 267225 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 15.55 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 181°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 49.398 km		<b>Date and time:</b> 13/09/17, 13:04

**Figure: 28.33c**  
**Viewpoint 9: Minsmere Nature Reserve**



15 1 7 16 2 23 17 30 24 8 37 18 44 31 25 38 3 51 9 32 39 52 45 10 19 26 53 4 11 46 40 5 33 12 47 41 34 27 48 20 42 35 13 6 28 49 43 21 36 50 29 22 14

Wireline drawing

View flat at a comfortable arm's length

OS reference: 647171 E 267225 N  
 Eye level: 15.55 m AOD  
 Direction of view: 72°  
 Nearest turbine: 49.398 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 13/09/17, 13:04

Figure: 28.33d  
 Viewpoint 9: Minsmere Nature Reserve



Photomontage

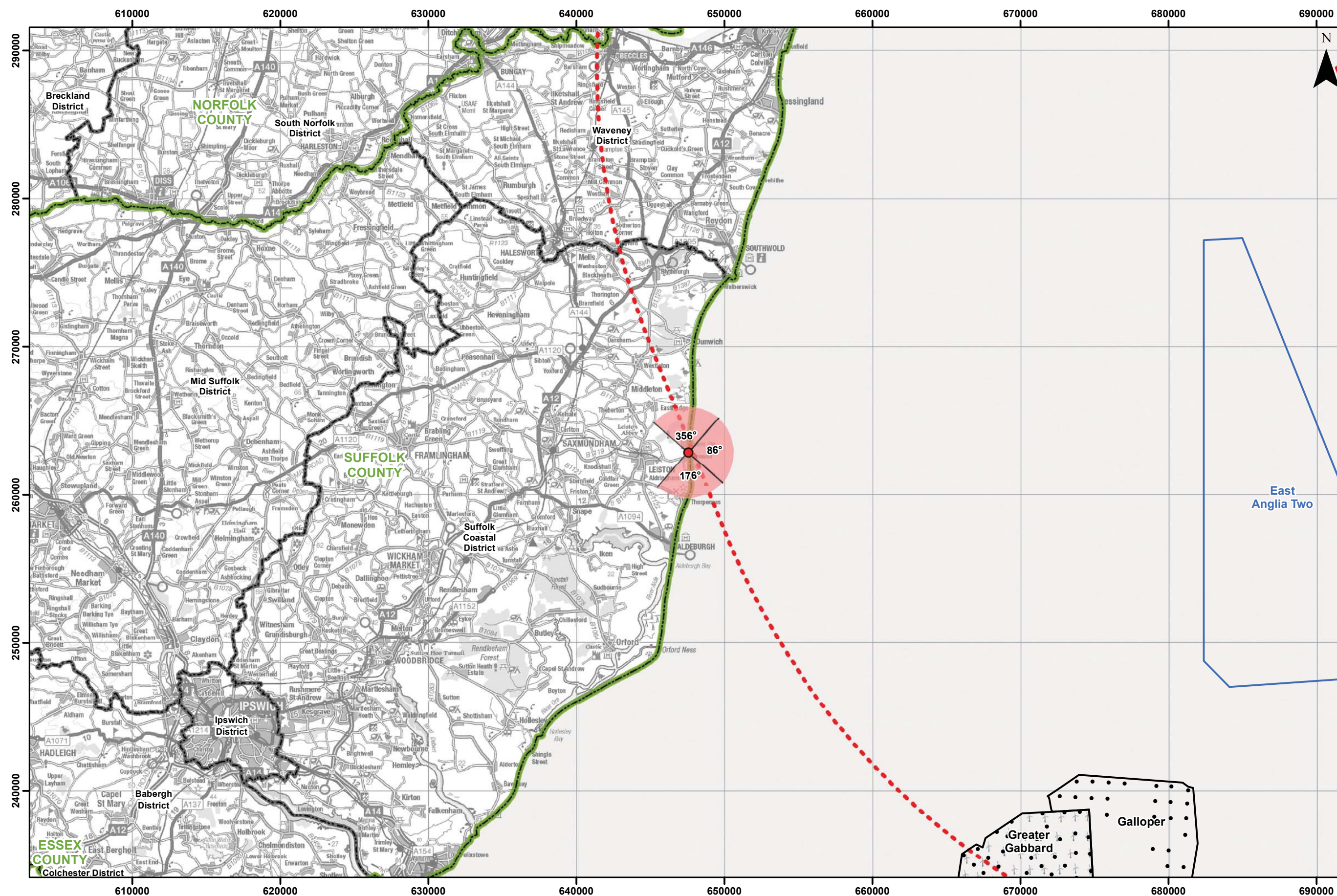
View flat at a comfortable arm's length

**OS reference:** 647171 E 267225 N  
**Eye level:** 15.55 m AOD  
**Direction of view:** 72°  
**Nearest turbine:** 49.398 km

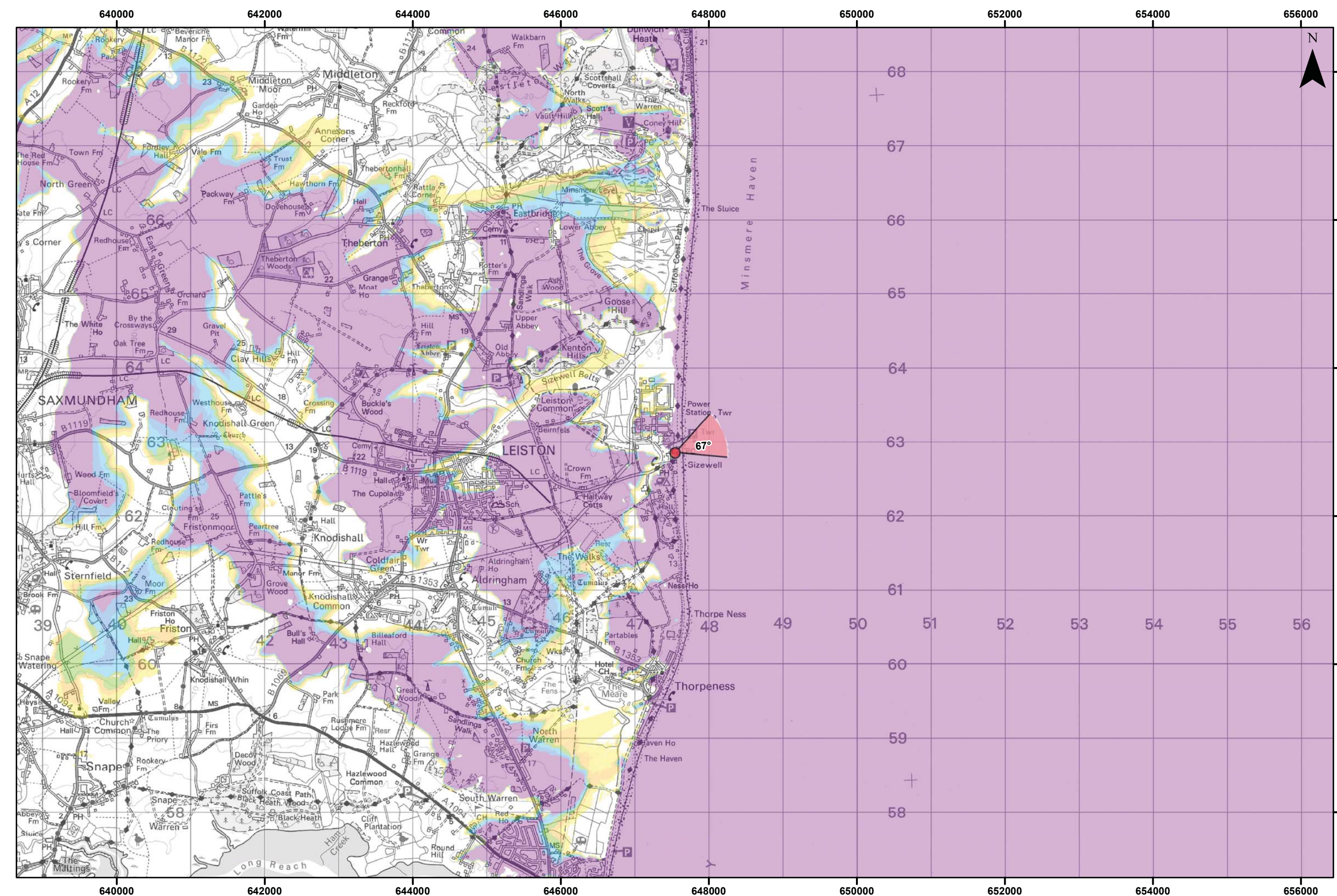
**Horizontal field of view:** 53.5° (planar projection)  
**Principal distance:** 812.5 mm  
**Paper size:** 841 x 297 mm  
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II  
**Lens:** 50mm (Canon EF 50mm f/1.4)  
**Camera height:** 1.5 m AGL  
**Date and time:** 13/09/17, 13:04

**Figure: 28.33e**  
**Viewpoint 9: Minsmere Nature Reserve**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

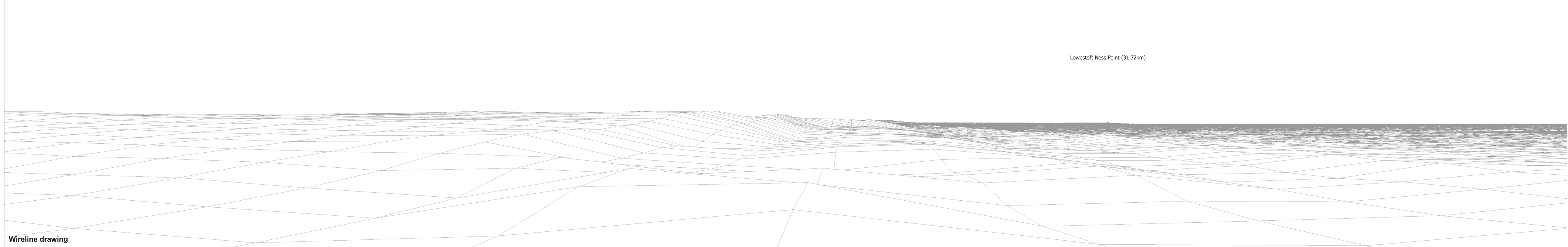
Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.34a	
<b>East Anglia ONE North</b>		
Viewpoint: 10		
Sizewell Beach		





Existing photograph

This image provides landscape and visual context only

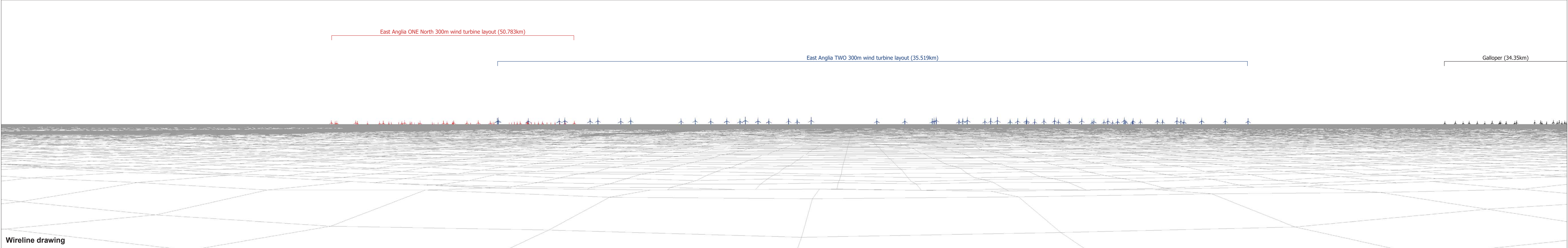


Wireline drawing

Lowestoft Ness Point (31.72km)

<b>OS reference:</b>	647542 E 262858 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 6D
<b>Eye level:</b>	7.24 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	356°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	50.783 km			<b>Date and time:</b>	22/08/17, 17:09

**Figure: 28.34b**  
**Viewpoint 10: Sizewell Beach**



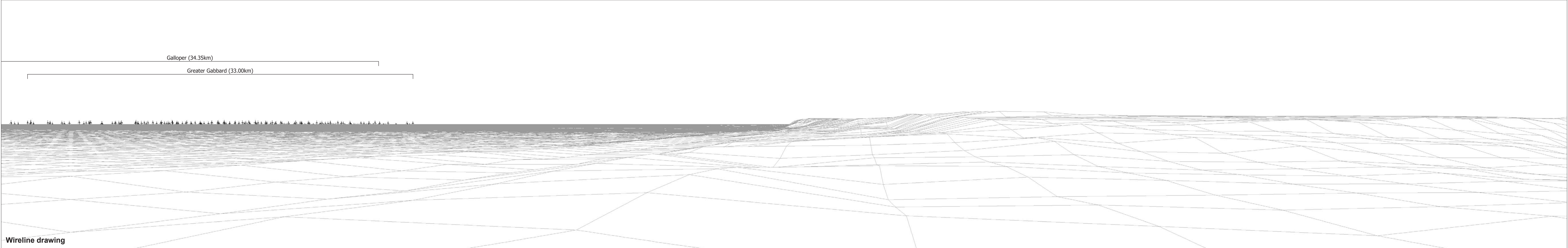
<b>OS reference:</b> 647542 E 262858 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 7.24 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 86°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 50.783 km		<b>Date and time:</b> 22/08/17, 17:09

**Figure: 28.34c**  
**Viewpoint 10: Sizewell Beach**



Existing photograph

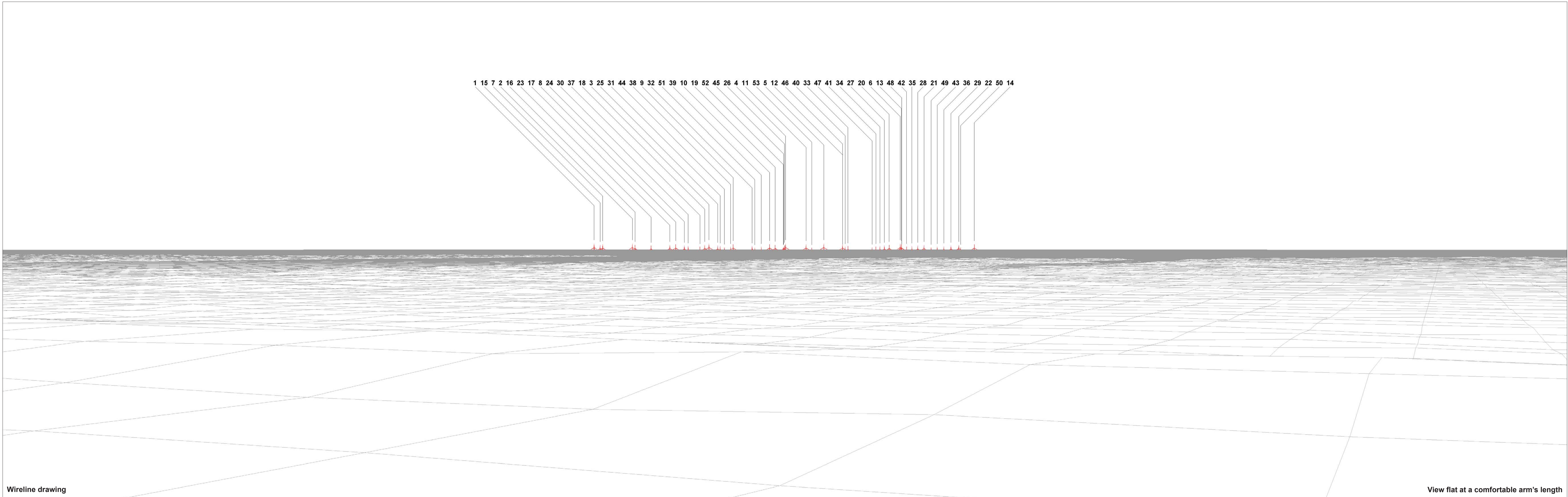
This image provides landscape and visual context only



Wireline drawing

<b>OS reference:</b>	647542 E 262858 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 6D
<b>Eye level:</b>	7.24 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	176°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	50.783 km			<b>Date and time:</b>	22/08/17, 17:09

**Figure: 28.34d**  
**Viewpoint 10: Sizewell Beach**



Wireline drawing

View flat at a comfortable arm's length

<b>OS reference:</b> 647542 E 262858 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 7.24 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 67°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 50.783 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 22/08/17, 17:09

**Figure: 28.34e**  
**Viewpoint 10: Sizewell Beach**

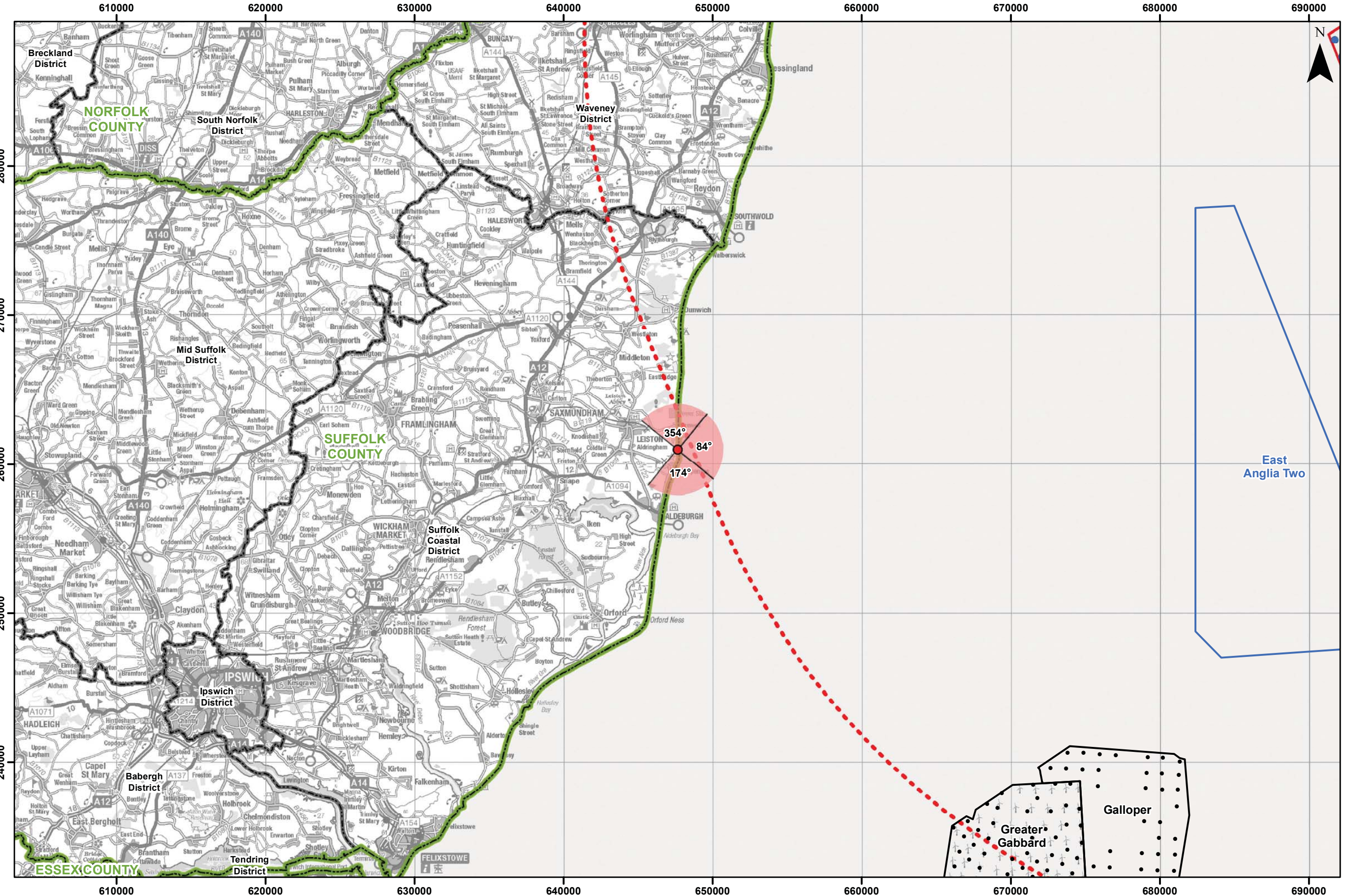


Photomontage

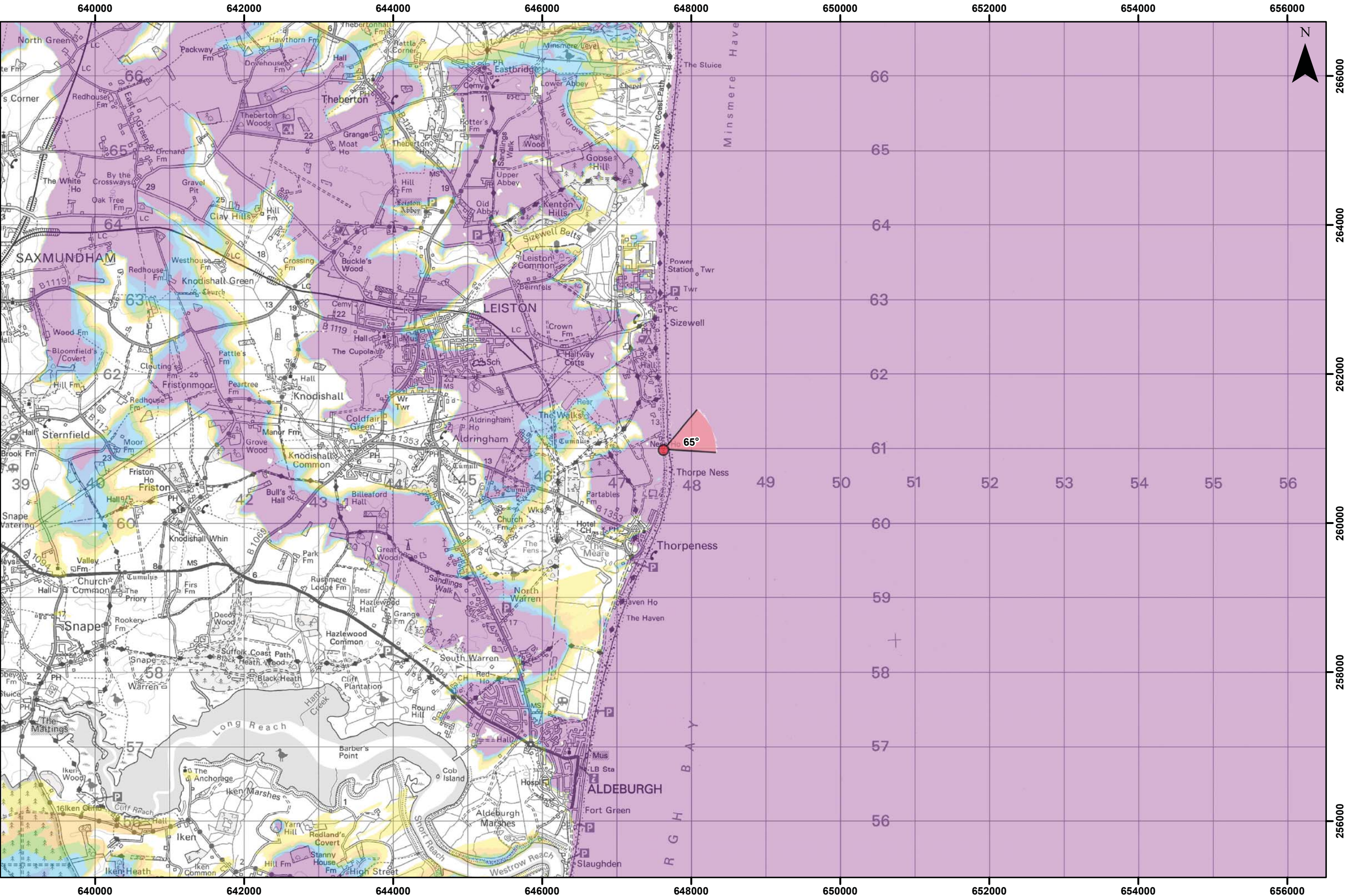
View flat at a comfortable arm's length

<b>OS reference:</b> 647542 E 262858 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 6D	
<b>Eye level:</b> 7.24 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)	
<b>Direction of view:</b> 67°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL	
<b>Nearest turbine:</b> 50.783 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 22/08/17, 17:09	

**Figure: 28.34f**  
**Viewpoint 10: Sizewell Beach**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

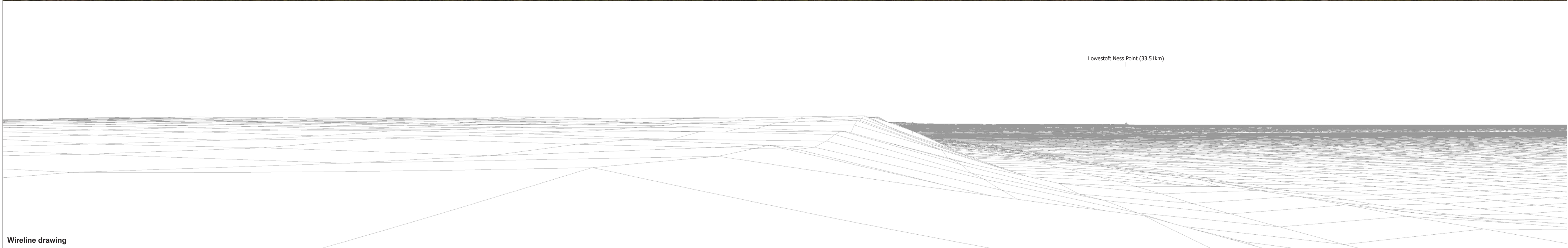
Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

Doc Ref	EA1N-DEVWF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.35a	
<b>East Anglia ONE North</b>		
Viewpoint: 11		
Suffolk Coastal Path, between Thorpeness and Sizewell		



Existing photograph

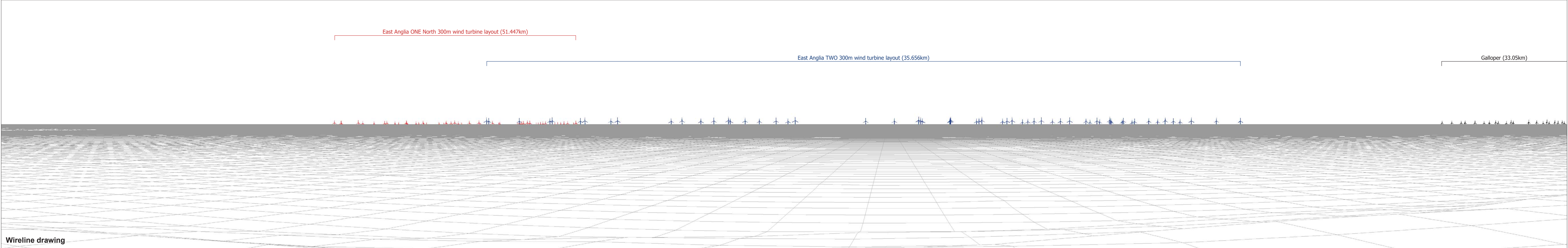
This image provides landscape and visual context only



Wireline drawing

Lowestoft Ness Point (33.51km)

<p><b>OS reference:</b> 647624 E 260987 N  <b>Eye level:</b> 11.34 m AOD  <b>Direction of view:</b> 354°  <b>Nearest turbine:</b> 51.447 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 13/09/17, 12:05</p>	<p><b>Figure: 28.35b</b>  <b>Viewpoint 11: Suffolk Coastal Path, between</b>  <b>Thorpeness and Sizewell</b></p>
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<b>OS reference:</b> 647624 E 260987 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.34 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 84°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 51.447 km		<b>Date and time:</b> 13/09/17, 12:05

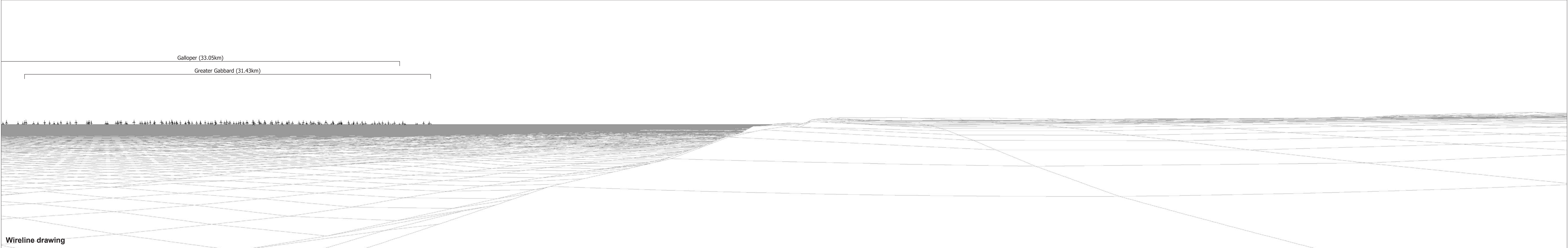
**Figure: 28.35c**  
**Viewpoint 11: Suffolk Coastal Path, between**  
**Thorpeness and Sizewell**





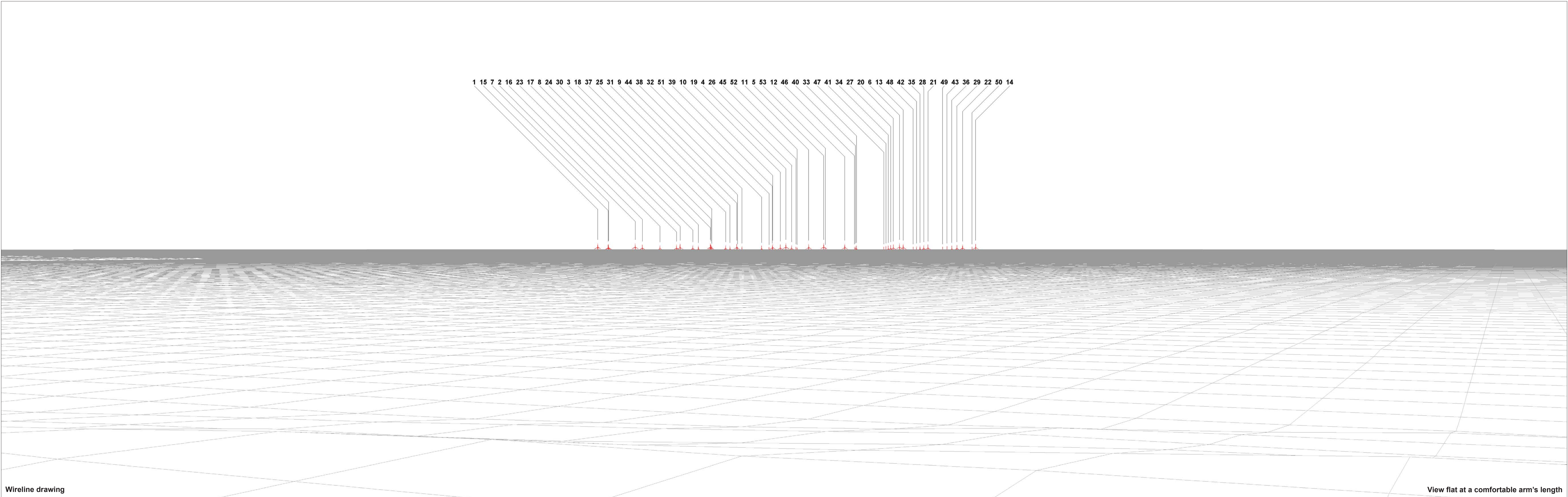
Existing photograph

This image provides landscape and visual context only



Wireline drawing

<p><b>OS reference:</b> 647624 E 260987 N  <b>Eye level:</b> 11.34 m AOD  <b>Direction of view:</b> 174°  <b>Nearest turbine:</b> 51.447 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 13/09/17, 12:05</p>	<p><b>Figure: 28.35d</b>  <b>Viewpoint 11: Suffolk Coastal Path, between</b>  <b>Thorpeness and Sizewell</b></p>
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Wireline drawing

View flat at a comfortable arm's length

<b>OS reference:</b> 647624 E 260987 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.34 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 65°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 51.447 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 13/09/17, 12:05

**Figure: 28.35e**  
**Viewpoint 11: Suffolk Coastal Path, between**  
**Thorpeness and Sizewell**

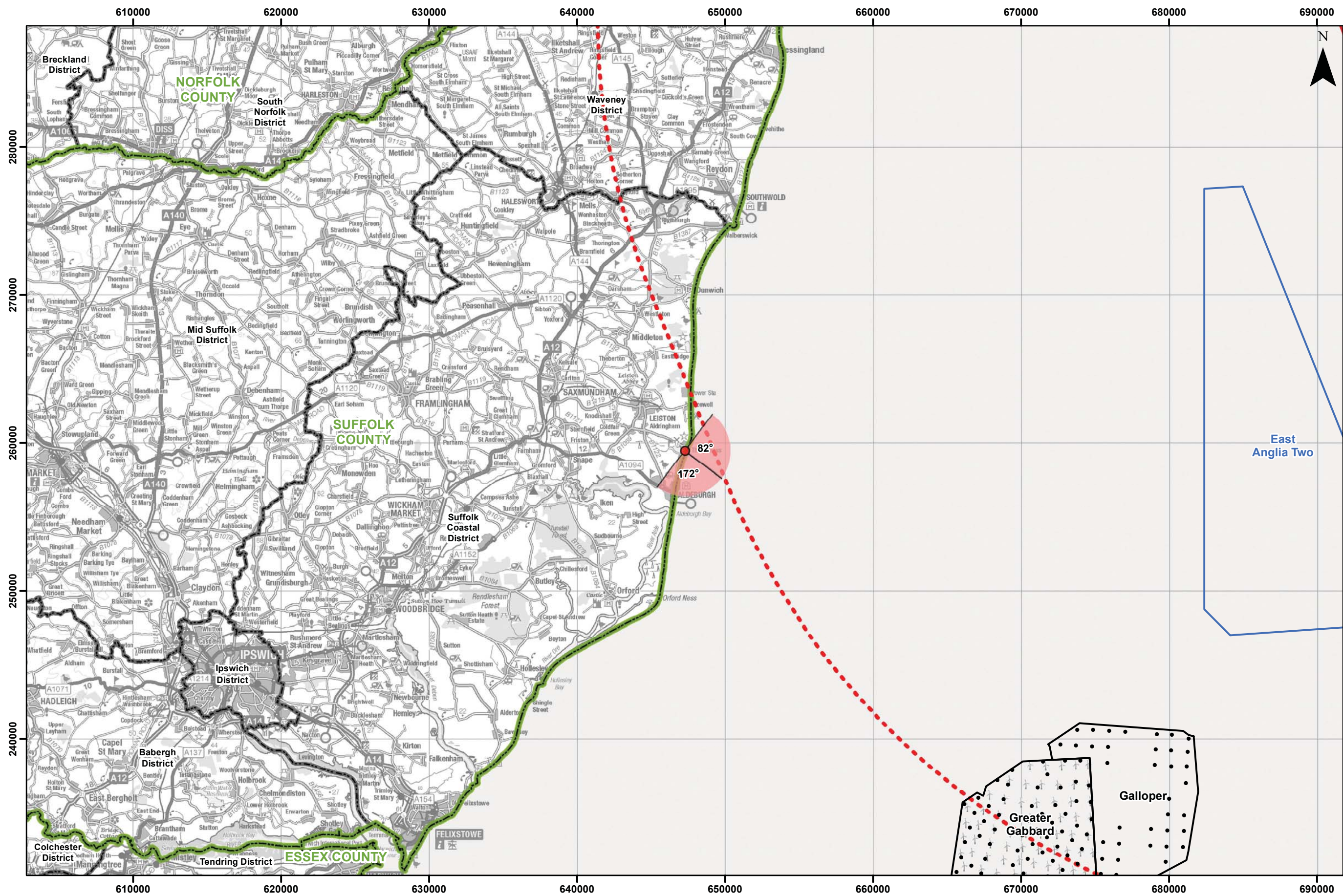


Photomontage

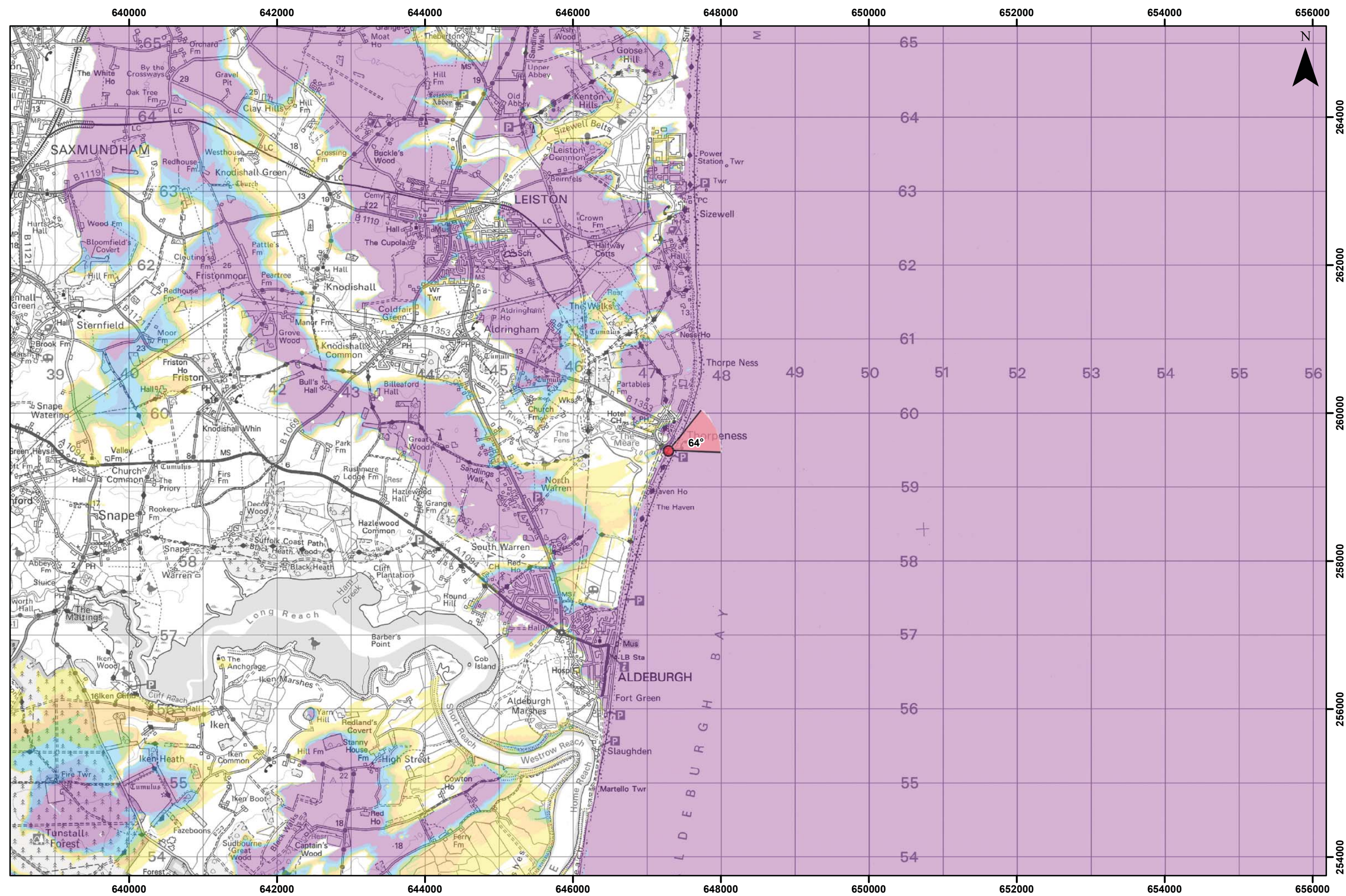
View flat at a comfortable arm's length

<b>OS reference:</b> 647624 E 260987 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 11.34 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 65°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 51.447 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 13/09/17, 12:05

**Figure: 28.35f**  
**Viewpoint 11: Suffolk Coastal Path, between**  
**Thorpeness and Sizewell**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



**Legend**

- Site Boundary
- 50km SLVIA Study Area
- East Anglia ONE North 300m Wind Turbine Layout
- Indicative Accommodation Platform
- Indicative Offshore Substation Platform (OSS)
- ▲ Indicative Operational Meteorological Mast (OMM)
- County Boundary
- District Boundary
- Cumulative Turbine Locations

**Cumulative Windfarm Status**

- Application
- Operational

**No. of Blade Tips Visible**

- 1 - 9
- 10 - 18
- 19 - 27
- 28 - 36
- 37 - 45
- 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

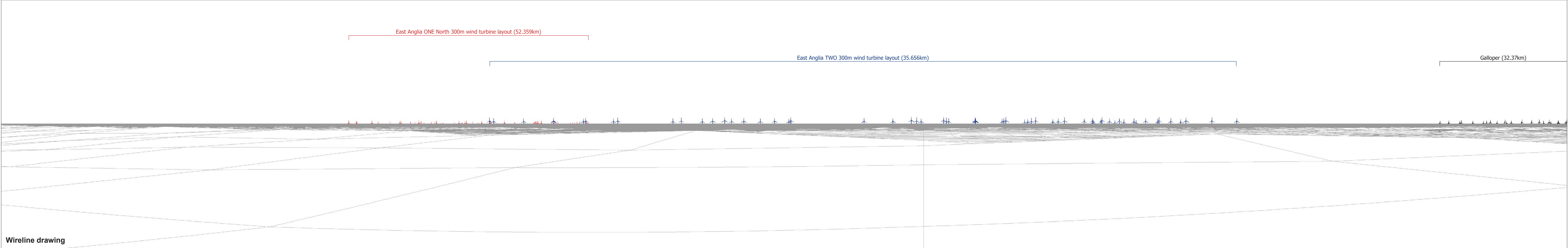
Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

Doc Ref		EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Date	16/01/19
Figure	28.36a	Datum:	WGS 1984
		Projection:	Zone 31N



Existing photograph

This image provides landscape and visual context only



Wireline drawing

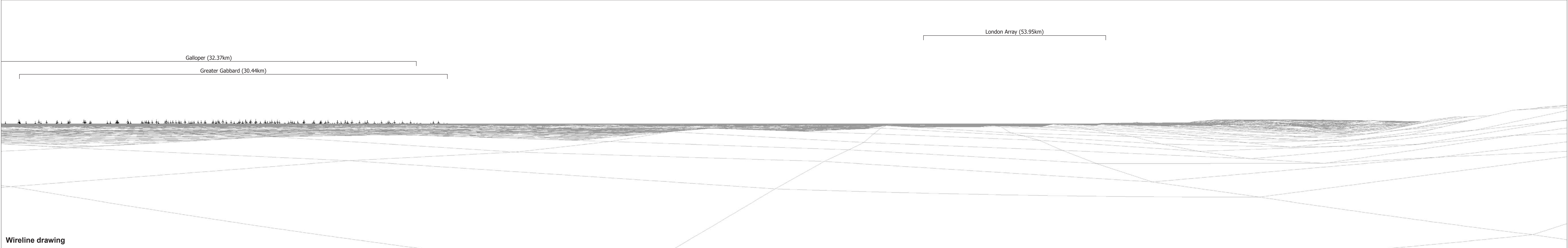
<b>OS reference:</b>	647287 E 259490 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	4.68 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	82°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	52.359 km			<b>Date and time:</b>	11/09/17, 13:28

**Figure: 28.36b**  
**Viewpoint 12: Thorpeness**



Existing photograph

This image provides landscape and visual context only

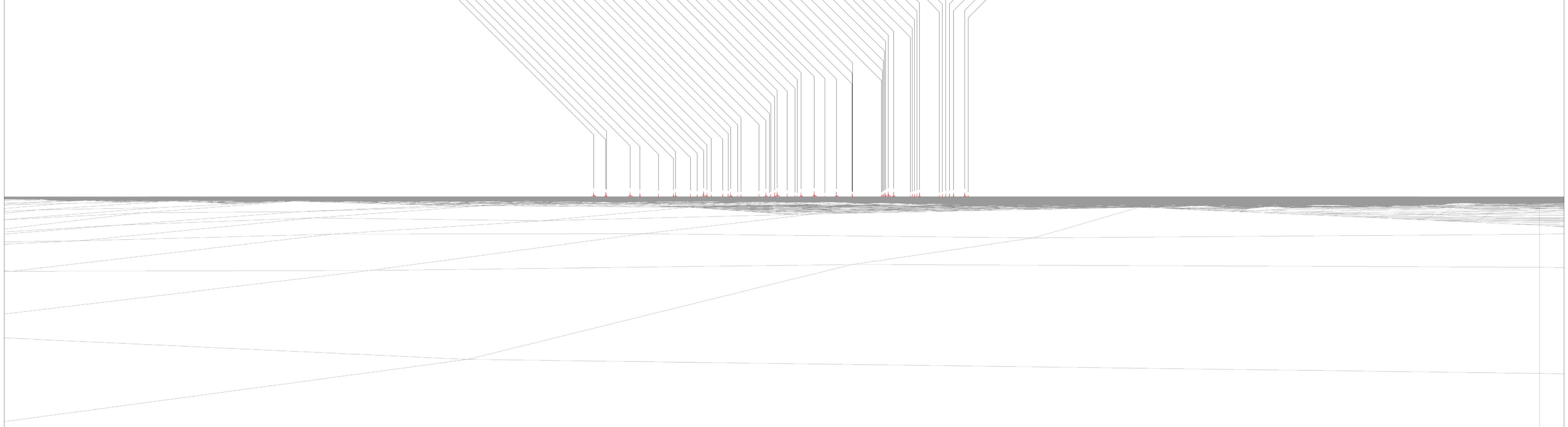


Wireline drawing

<b>OS reference:</b>	647287 E 259490 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	4.68 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	172°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	52.359 km			<b>Date and time:</b>	11/09/17, 13:28

**Figure: 28.36c**  
**Viewpoint 12: Thorpeness**

1 7 15 2 16 23 17 8 24 30 3 18 37 25 31 9 44 38 32 10 51 39 19 4 26 45 52 11 5 53 12 33 40 46 47 41 34 27 20 6 13 48 42 35 28 21 49 43 36 29 22 14 50



Wireline drawing

View flat at a comfortable arm's length

OS reference: 647287 E 259490 N  
Eye level: 4.68 m AOD  
Direction of view: 64°  
Nearest turbine: 52.359 km

Horizontal field of view: 53.5° (planar projection)  
Principal distance: 812.5 mm  
Paper size: 841 x 297 mm  
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: 11/09/17, 13:28

Figure: 28.36d  
Viewpoint 12: Thorpeness



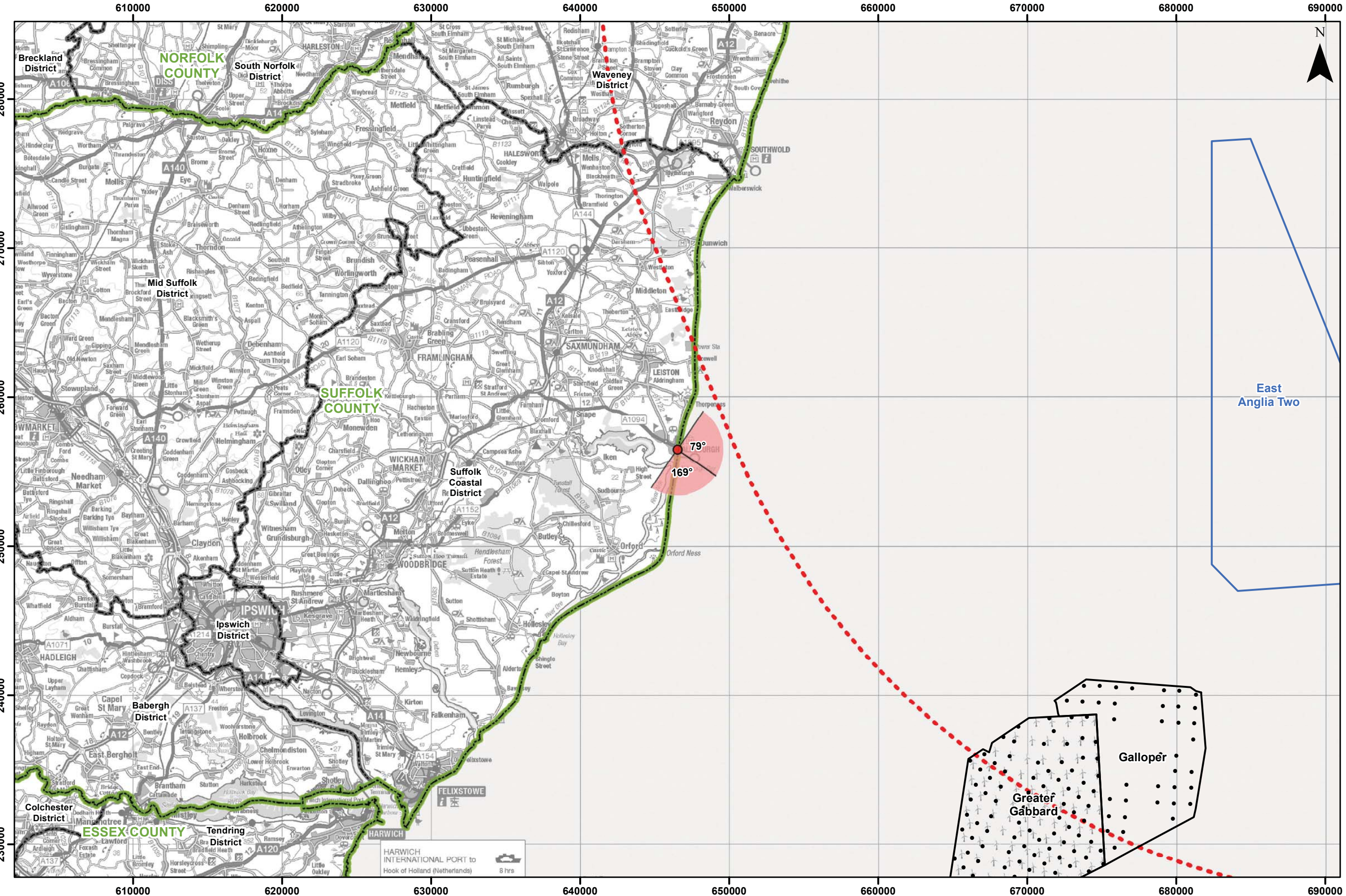
Photomontage

View flat at a comfortable arm's length

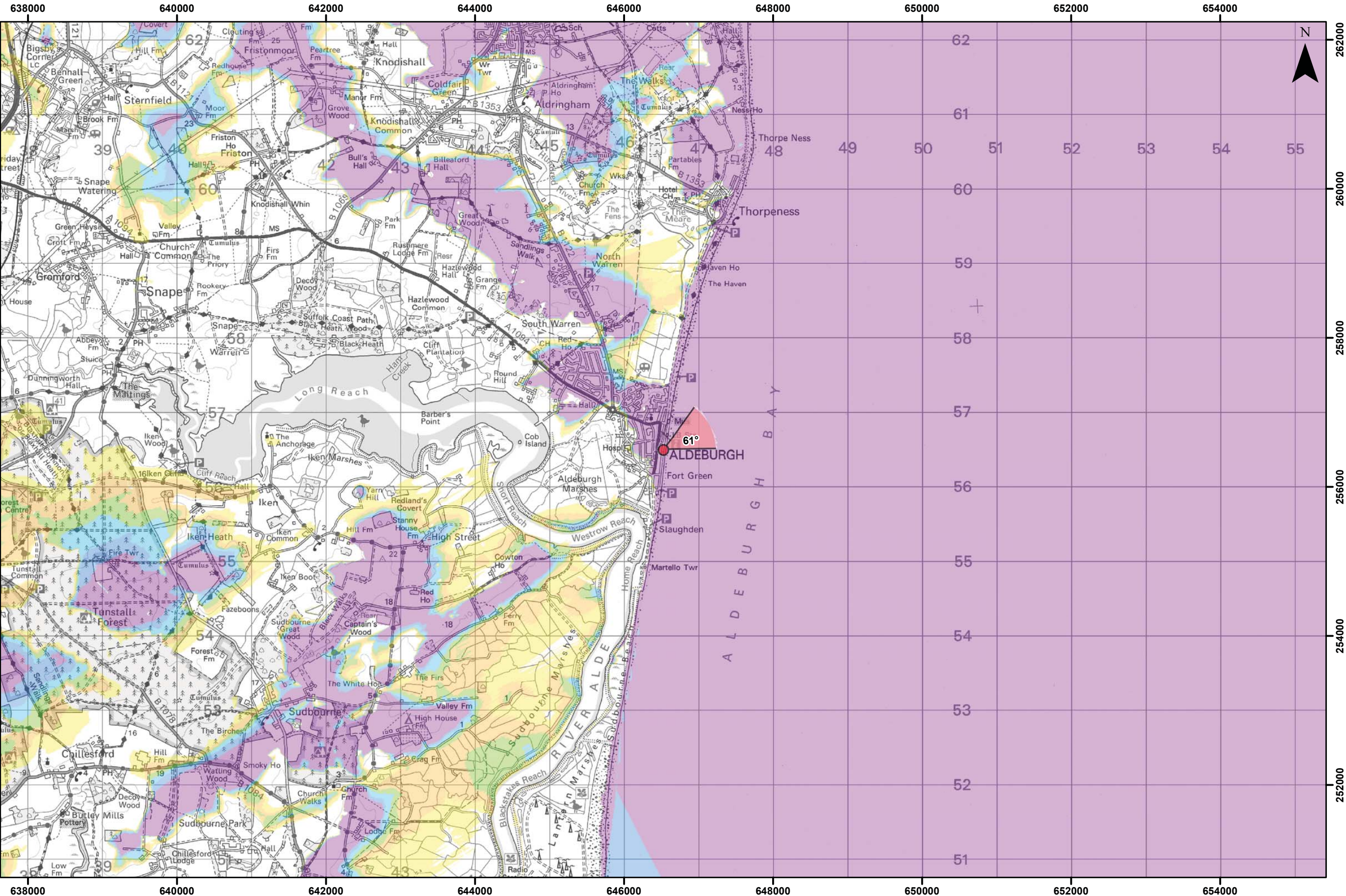
<b>OS reference:</b> 647287 E 259490 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 4.68 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 64°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 52.359 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 11/09/17, 13:28

**Figure: 28.36e**  
**Viewpoint 12: Thorpeness**





**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- - - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations
- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

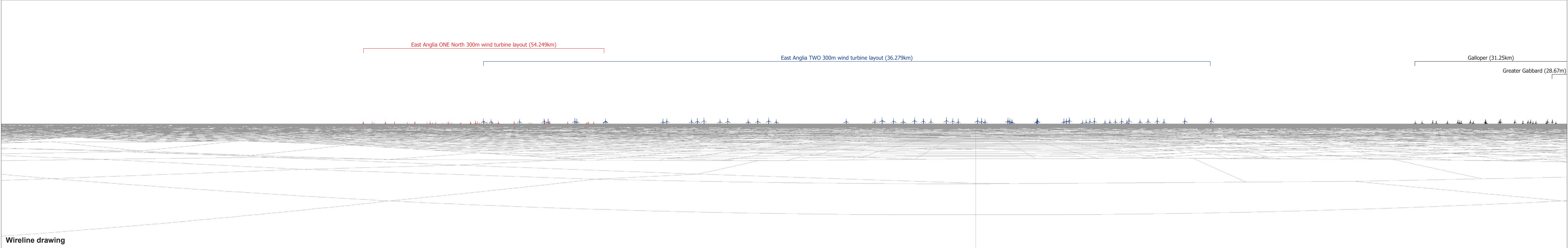
Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.37a	
<b>East Anglia ONE North</b>		
Viewpoint: 13		
Aldeburgh		



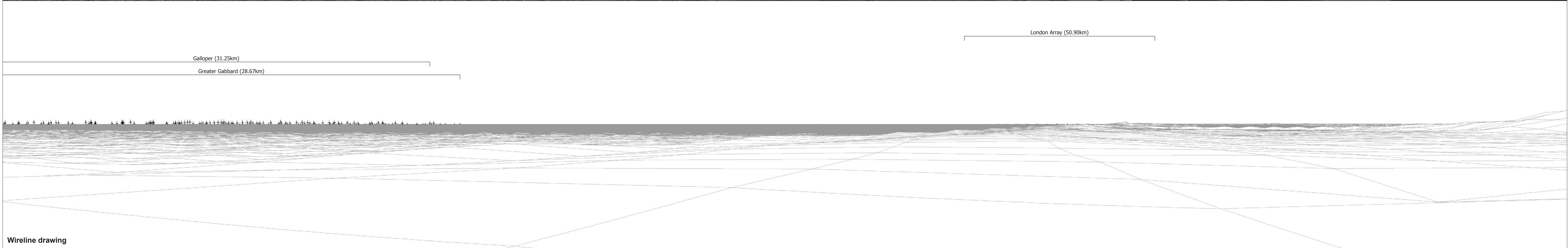
Existing photograph

This image provides landscape and visual context only



Wireline drawing

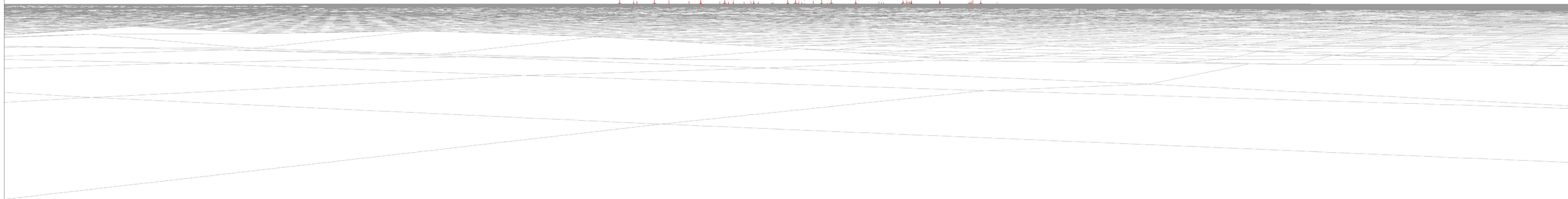
<p><b>OS reference:</b> 646525 E 256500 N  <b>Eye level:</b> 5.96 m AOD  <b>Direction of view:</b> 79°  <b>Nearest turbine:</b> 54.249 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 11/09/17, 13:28</p>	<p><b>Figure: 28.37b</b>  <b>Viewpoint 13: Aldeburgh</b></p>
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<b>OS reference:</b> 646525 E 256500 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 5.96 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 169°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 54.249 km		<b>Date and time:</b> 11/09/17, 13:28

**Figure: 28.37c**  
**Viewpoint 13: Aldeburgh**

1 7 15 2 16 23 8 17 24 3 30 18 37 25 9 31 44 38 10 32 4 19 39 51 26 11 45 5 52 12 53 33 40 46 6 20 27 34 41 13 47 21 28 35 42 48 49 43 36 29 22 14 50



Wireline drawing

View flat at a comfortable arm's length

OS reference: 646525 E 256500 N  
Eye level: 5.96 m AOD  
Direction of view: 61°  
Nearest turbine: 54.249 km

Horizontal field of view: 53.5° (planar projection)  
Principal distance: 812.5 mm  
Paper size: 841 x 297 mm  
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: 09/09/17, 13:24

Figure: 28.37d  
Viewpoint 13: Aldeburgh



Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b> 646525 E 256500 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II	
<b>Eye level:</b> 5.96 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)	
<b>Direction of view:</b> 61°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL	
<b>Nearest turbine:</b> 54.249 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 11/09/17, 13:28	<b>Figure: 28.37e</b> <b>Viewpoint 13: Aldeburgh</b>



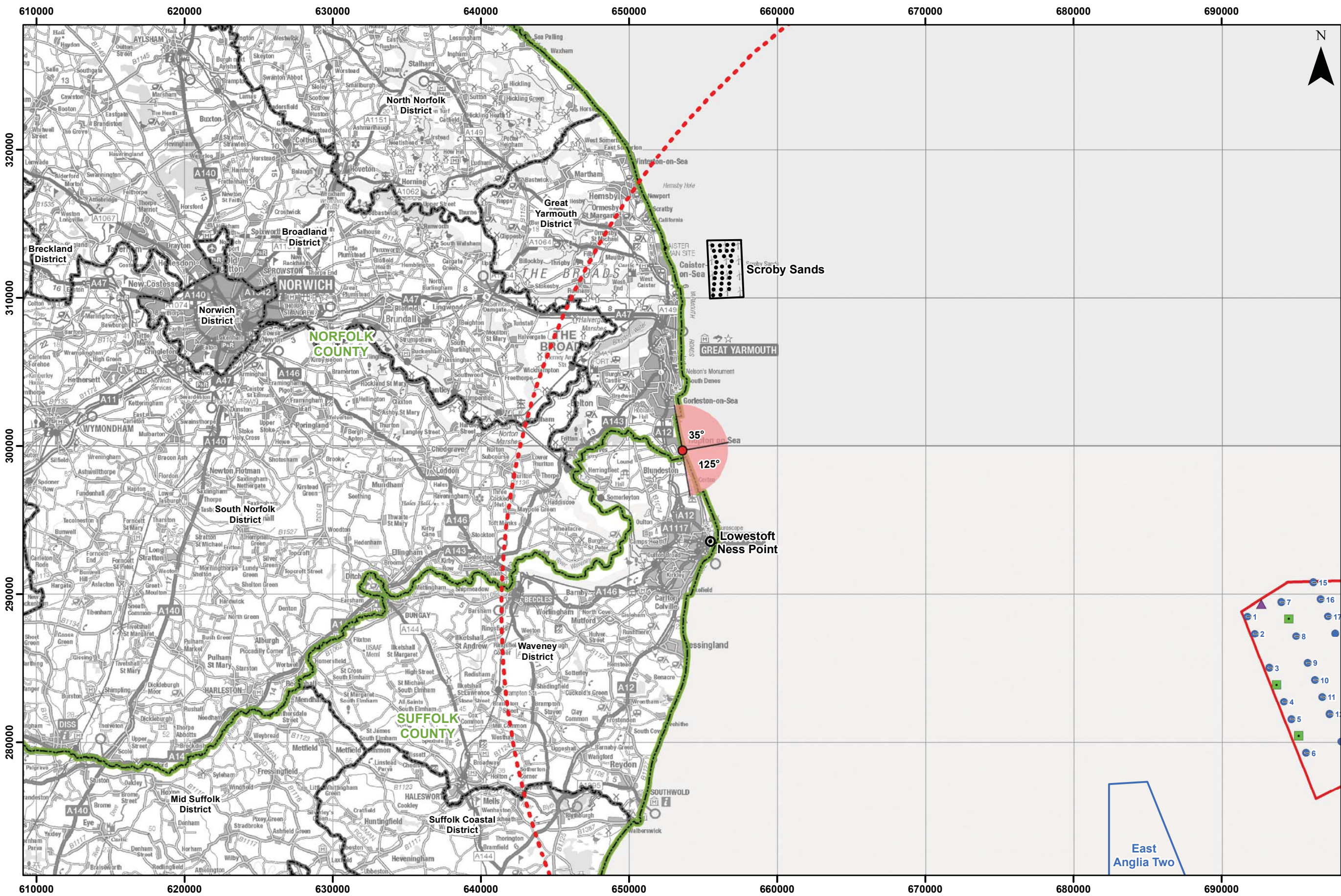
Photomontage

View flat at a comfortable arm's length

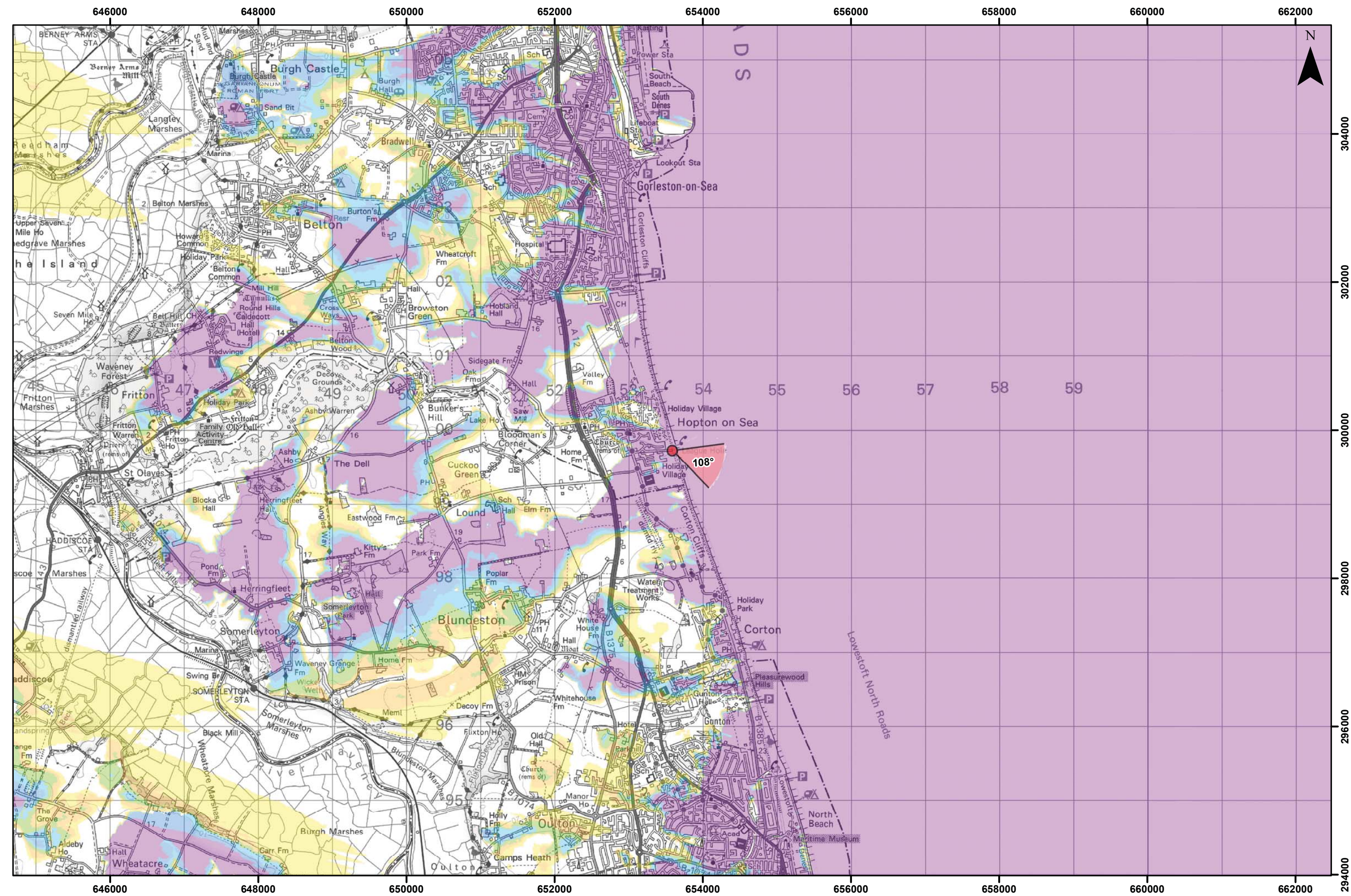
<b>OS reference:</b>	646525 E 256500 N	<b>Horizontal field of view:</b>	53.5° (planar projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	5.96 m AOD	<b>Principal distance:</b>	812.5 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	61°	<b>Paper size:</b>	841 x 297 mm	<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	54.249 km	<b>Correct printed image size:</b>	820 x 260 mm	<b>Date and time:</b>	14/09/17, 19:00

**NOTE:** In order to undertake a compliant worst case environmental impact assessment, the night time visualisations show the maximum required lighting intensity (2000cd) in excellent visibility conditions. This is considered an unrealistic worst case as turbine lighting regulations permit aviation warning lights to be dimmed to 10% of full intensity (i.e. 200cd) when visibility from every wind turbine is more than 5km, thereby reducing the lighting intensity visible from shore. It is intended that this dimming functionality would be installed (as is the case on the East Anglia ONE project). Where visibility conditions do not permit aviation warning lights to be dimmed, then it is unlikely that the actual visibility of aviation warning lighting at night time will be as shown on the visualisations due to poorer visibility conditions.

**Figure: 28.37f**  
**Viewpoint 13: Aldeburgh**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

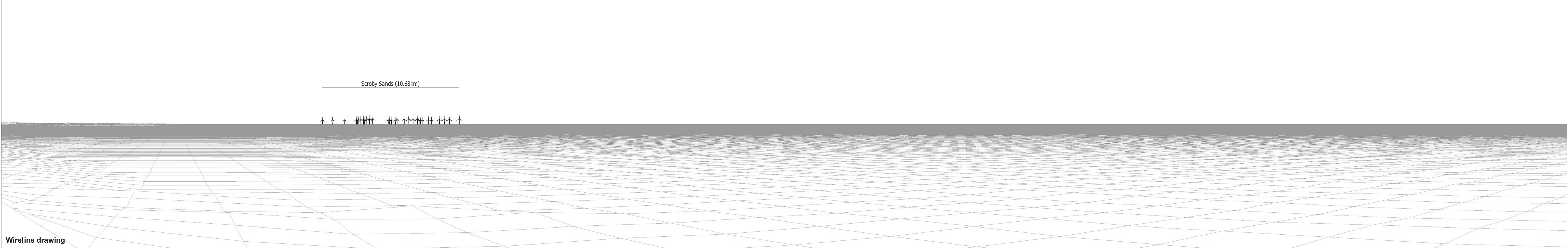
Rev	Date	By	Comment	Approved:	LT
3	16/01/2019	TH	Update Document Reference		
2	08/01/2019	TH	Layout Update	Prepared:	TH
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM

Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297	
Rev	3	Datum: WGS 1984
Date	16/01/19	Projection: Zone 31N
Figure	28.38a	
<b>East Anglia ONE North</b> Viewpoint: 19 Hopton-on-sea		



Baseline photograph

This image provides landscape and visual context only

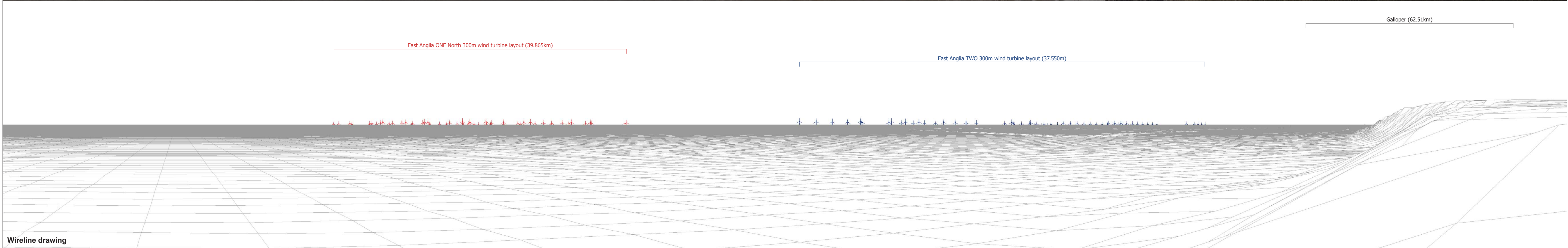


Wireline drawing

<b>OS reference:</b> 653585 E 299727 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 9.1 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 35°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 39.865 km		<b>Date and time:</b> 12/09/17 13:53

**Figure: 28.38b**  
**Viewpoint 19: Hopton-on-sea**



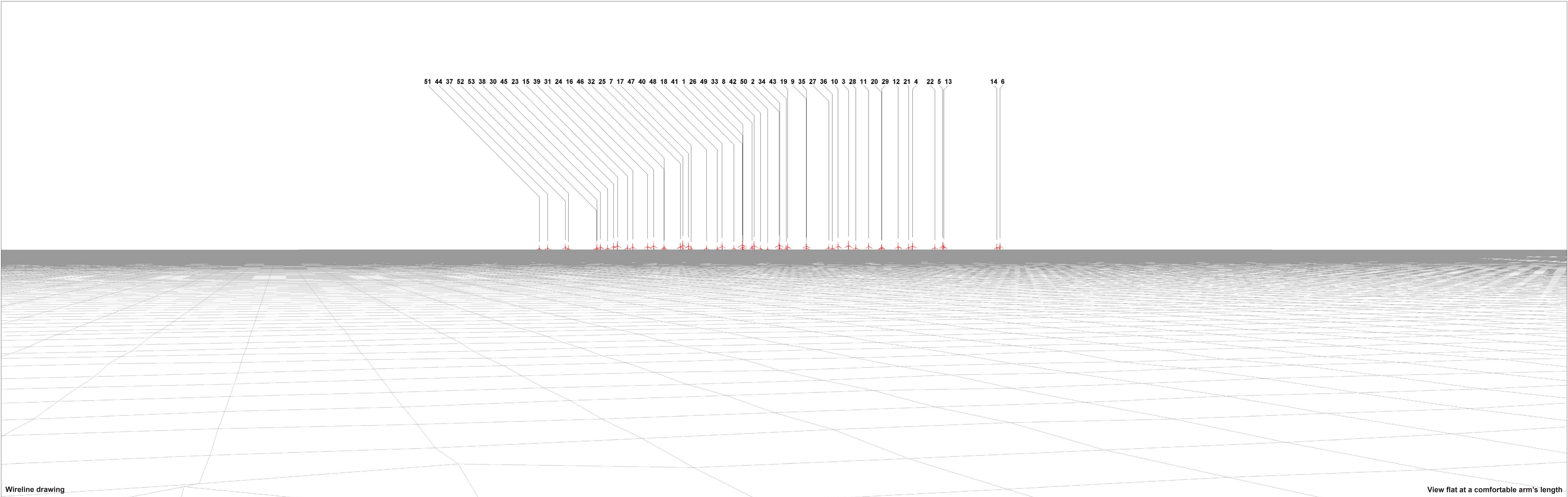


OS reference: 653585 E 299727 N  
 Eye level: 9.1 m AOD  
 Direction of view: 125°  
 Nearest turbine: 39.865 km

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: 12/09/17 13:53

Figure: 28.38c  
 Viewpoint 19: Hopton-on-sea



Wireline drawing

View flat at a comfortable arm's length

<p><b>OS reference:</b> 653585 E 299727 N  <b>Eye level:</b> 9.1 m AOD  <b>Direction of view:</b> 108°  <b>Nearest turbine:</b> 39.865 km</p>	<p><b>Horizontal field of view:</b> 53.5° (planar projection)  <b>Principal distance:</b> 812.5 mm  <b>Paper size:</b> 841 x 297 mm  <b>Correct printed image size:</b> 820 x 260 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/09/17 13:53</p>	<p><b>Figure: 28.38d</b>  <b>Viewpoint 19: Hopton-on-sea</b></p>
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Photomontage

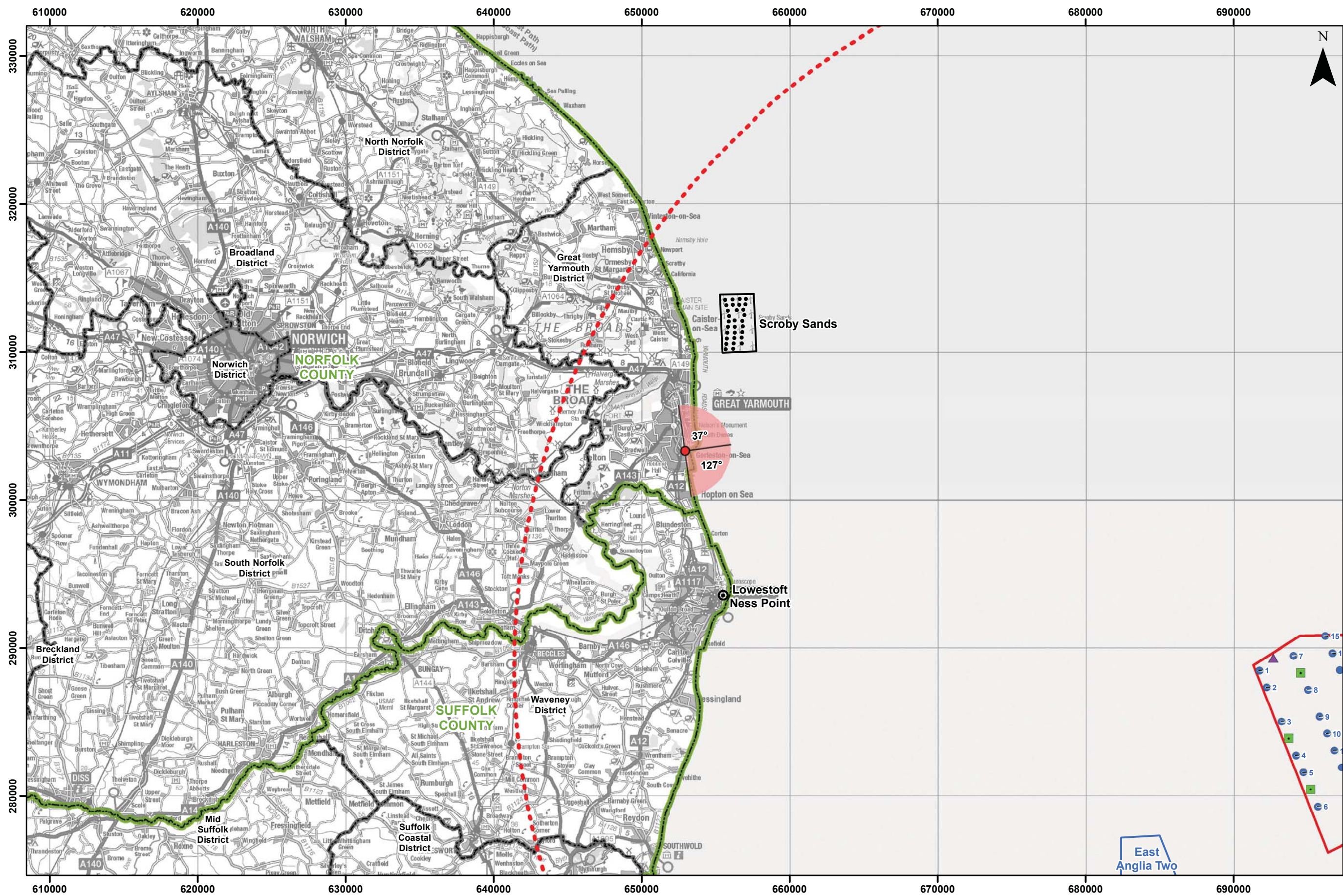
View flat at a comfortable arm's length

**OS reference:** 653585 E 299727 N  
**Eye level:** 9.1 m AOD  
**Direction of view:** 108°  
**Nearest turbine:** 39.865 km

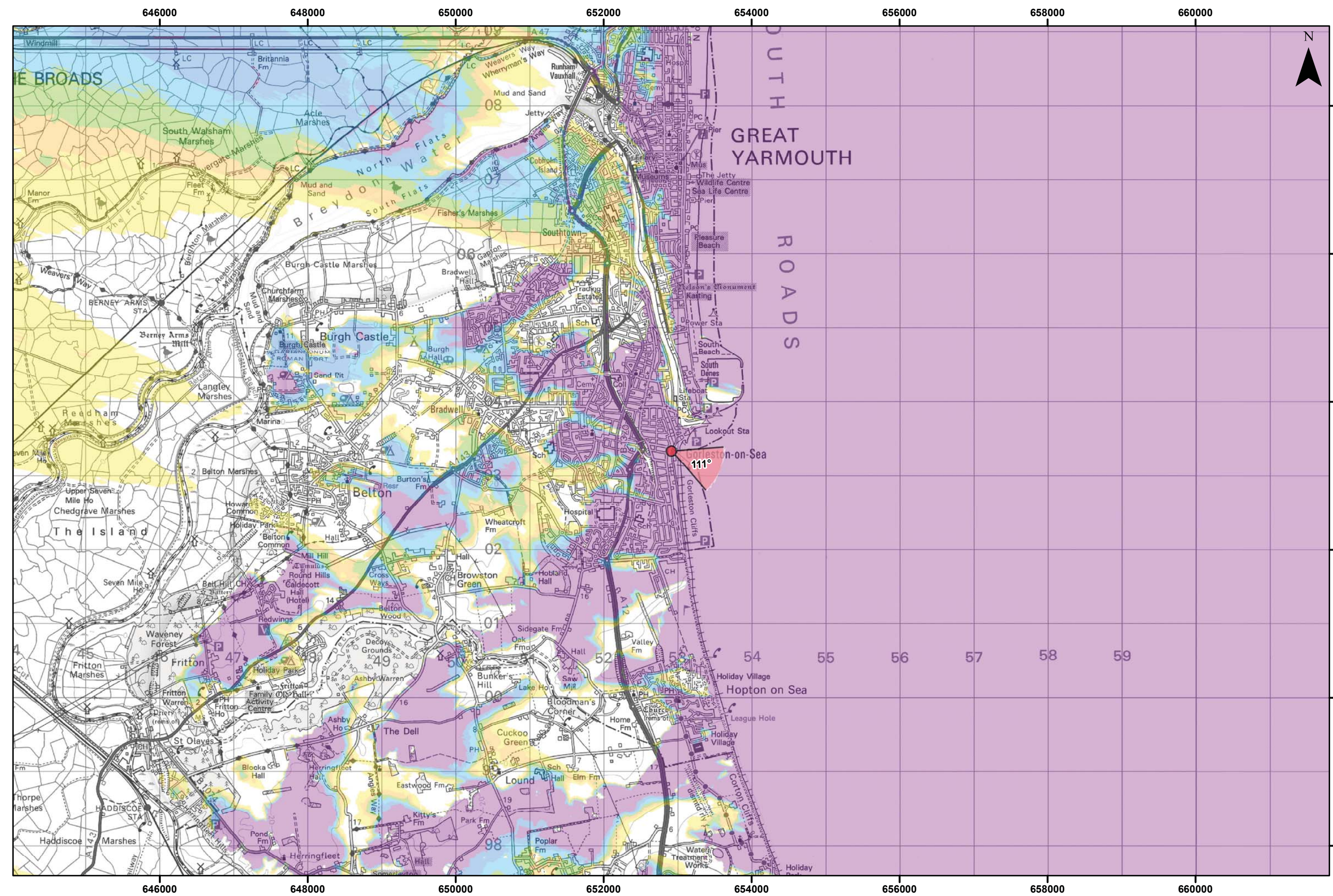
**Horizontal field of view:** 53.5° (planar projection)  
**Principal distance:** 812.5 mm  
**Paper size:** 841 x 297 mm  
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II  
**Lens:** 50mm (Canon EF 50mm f/1.4)  
**Camera height:** 1.5 m AGL  
**Date and time:** 12/09/17 13:53

**Figure: 28.38e**  
**Viewpoint 19: Hopton-on-sea**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

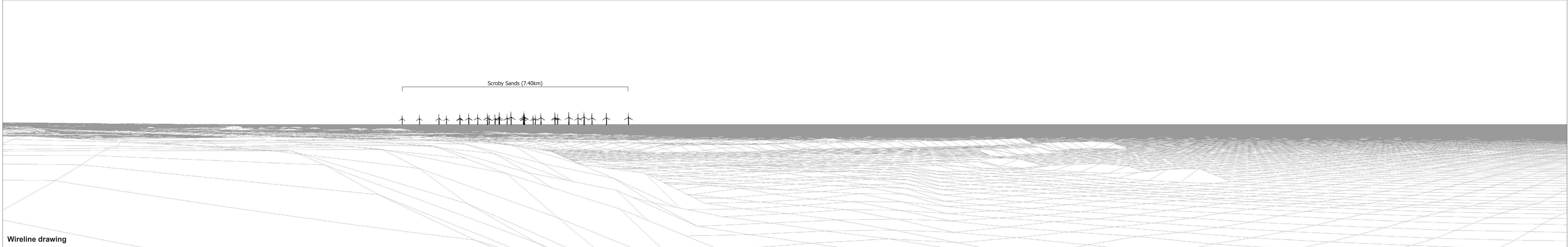
- Cumulative Windfarm Status**
- Application
  - Operational

- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

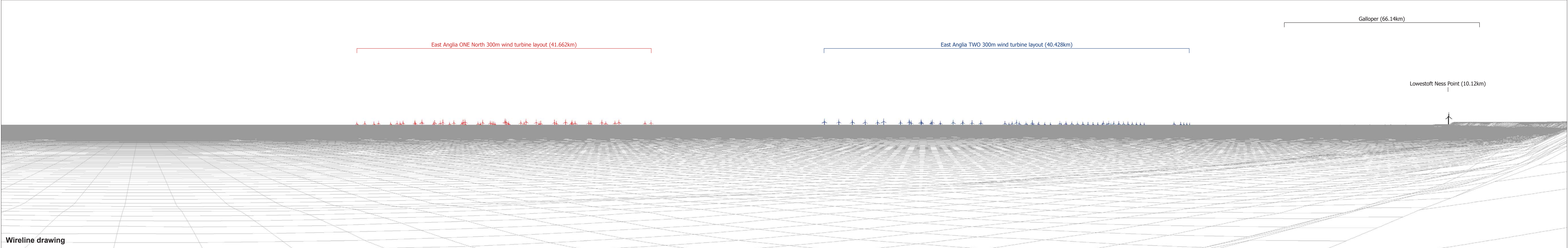
Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

Doc Ref		EAIN-DEWVF-ENV-REP-IBR-000297	
<b>Rev</b>	3	<b>Date</b>	16/01/19
<b>Figure</b>	28.39a	<b>Datum:</b>	WGS 1984
		<b>Projection:</b>	Zone 31N



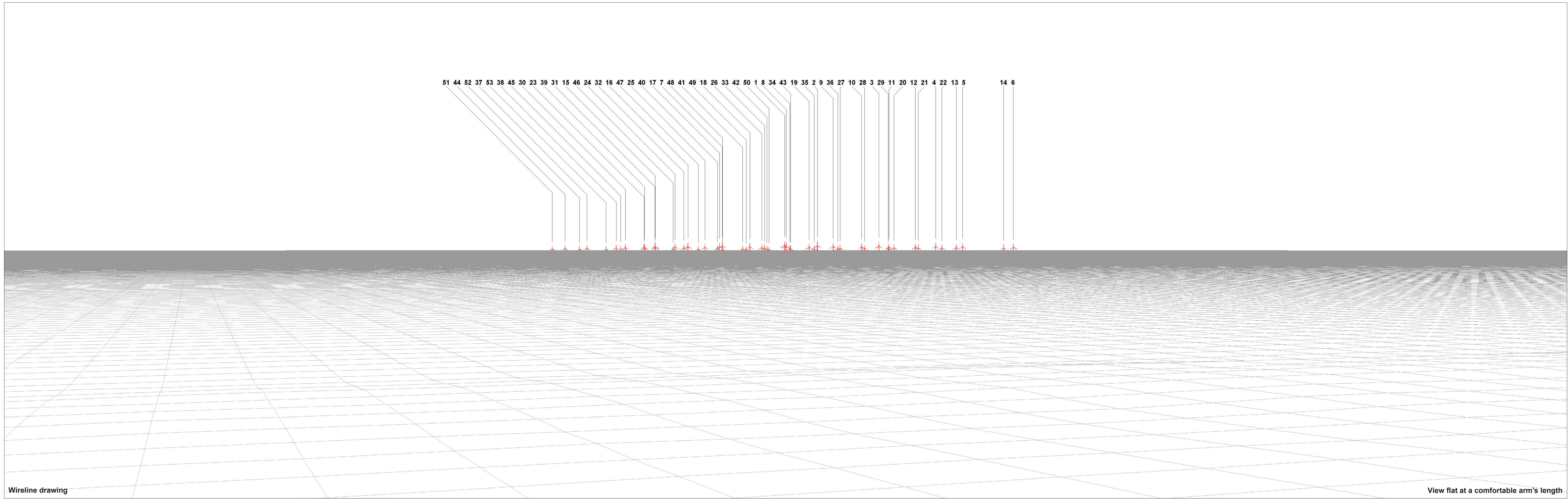
<b>OS reference:</b> 652912 E 303337 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 15.9 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 37°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 41.662 km		<b>Date and time:</b> 12/09/17 14:31

**Figure: 28.39b**  
**Viewpoint 20: Gorleston-on-sea**



<b>OS reference:</b> 652912 E 303337 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 15.9 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 127°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 41.662 km		<b>Date and time:</b> 12/09/17 14:31

**Figure: 28.39c**  
**Viewpoint 20: Gorleston-on-sea**



Wireline drawing

View flat at a comfortable arm's length

OS reference: 652912 E 303337 N  
 Eye level: 15.9 m AOD  
 Direction of view: 111°  
 Nearest turbine: 41.662 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 12/09/17 14:31

Figure: 28.39d  
 Viewpoint 20: Gorleton-on-sea



Photomontage

View flat at a comfortable arm's length

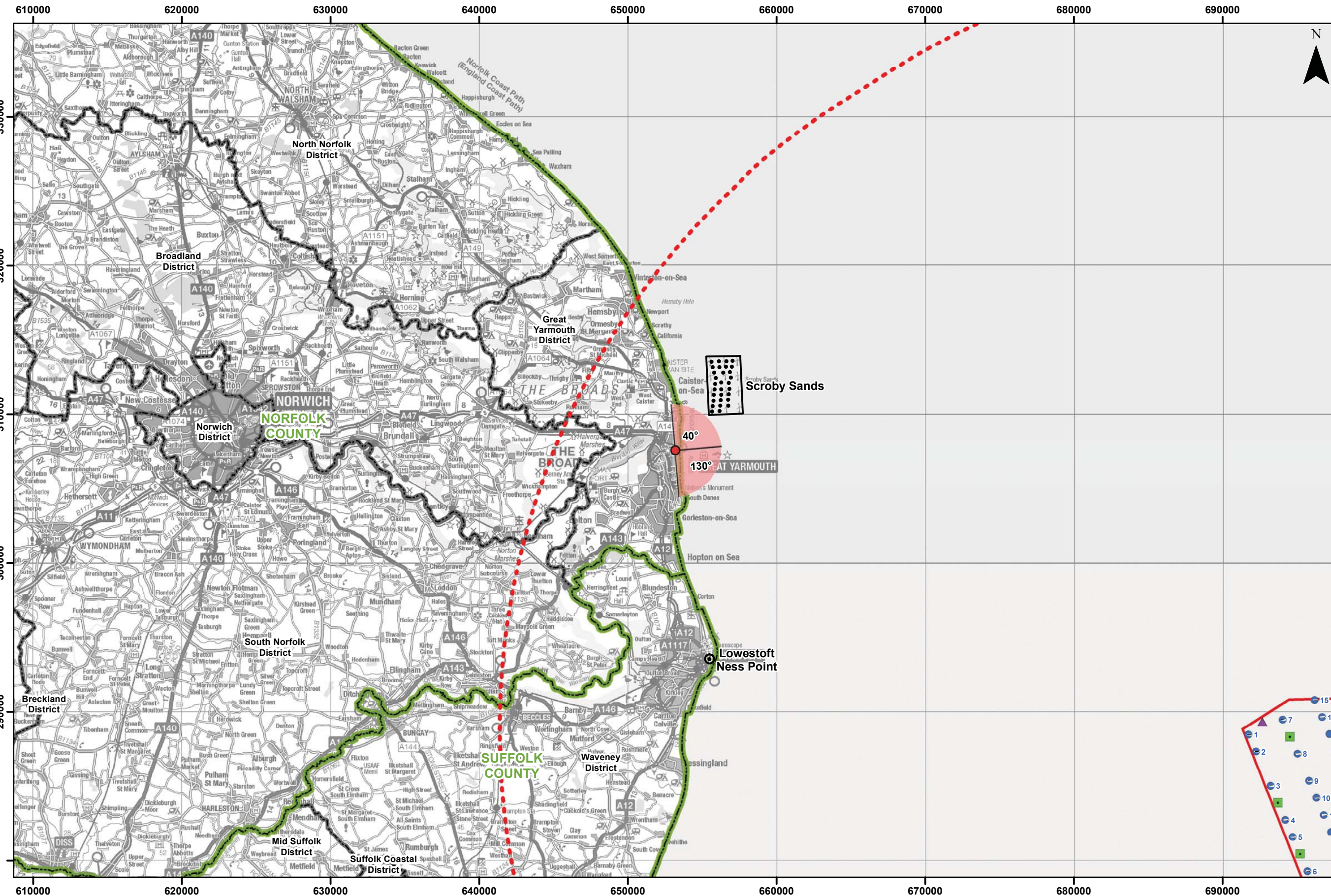
**OS reference:** 652912 E 303337 N  
**Eye level:** 15.9 m AOD  
**Direction of view:** 111°  
**Nearest turbine:** 41.662 km

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

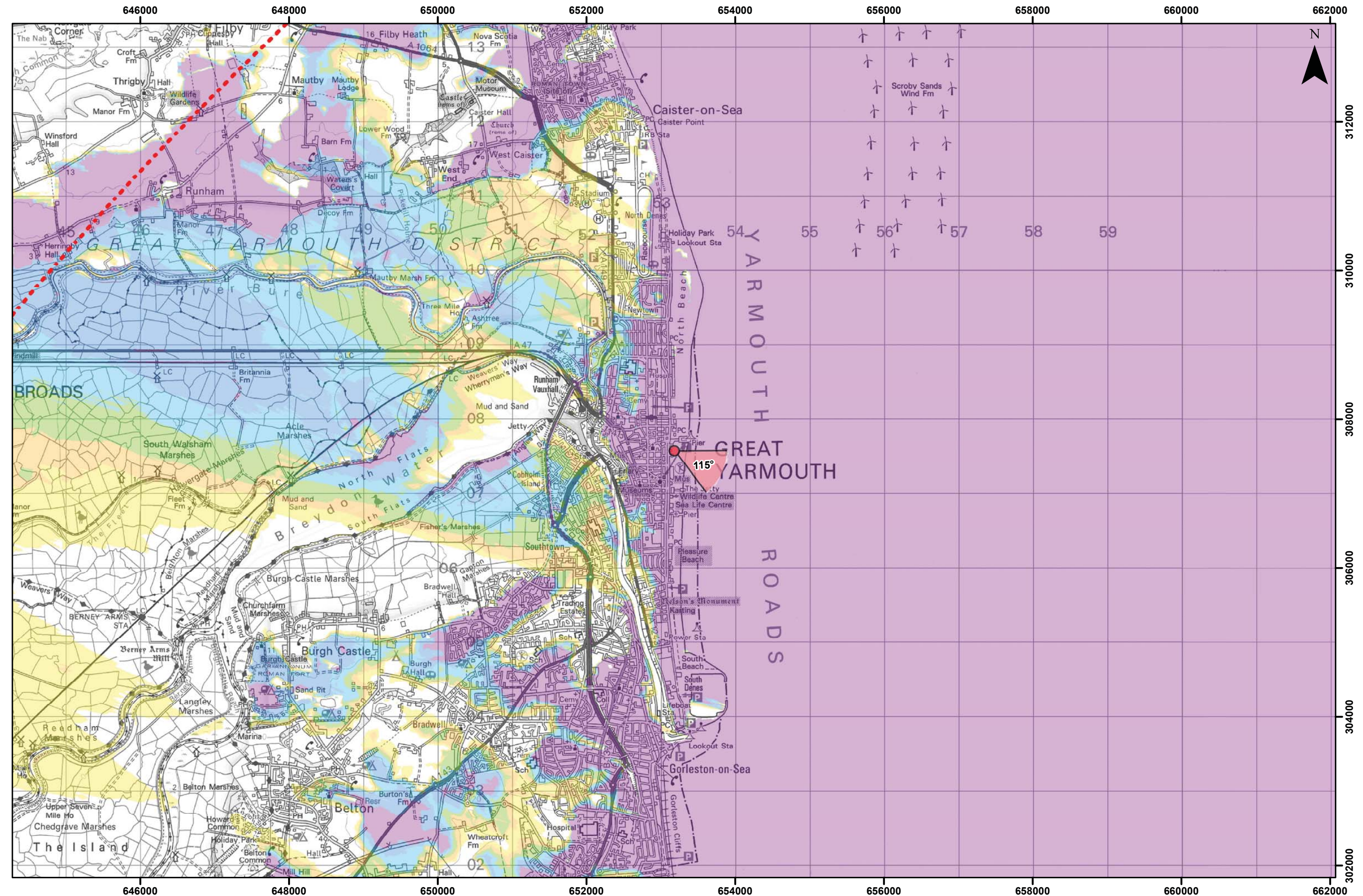
**Camera:** Canon EOS 5D Mark II  
**Lens:** 50mm (Canon EF 50mm f/1.4)  
**Camera height:** 1.5 m AGL  
**Date and time:** 12/09/17 14:31

**Figure: 28.39e**  
**Viewpoint 20: Gorleton-on-sea**





**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:	LT
3	16/01/2019	TH	Update Document Reference		
2	08/01/2019	TH	Layout Update	Prepared:	TH
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM

<b>East Anglia ONE North</b>		<b>Doc Ref</b>	EA1N-DEV-WF-ENV-REP-IBR-00297
Viewpoint: 21		<b>Rev</b>	3
Great Yarmouth, South Beach		<b>Date</b>	16/01/19
		<b>Figure</b>	28.40a
			Datum: WGS 1984 Projection: Zone 31N



OS reference: 653175 E 307578 N  
 Eye level: 4.7 m AOD  
 Direction of view: 40°  
 Nearest turbine: 43.124 km

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

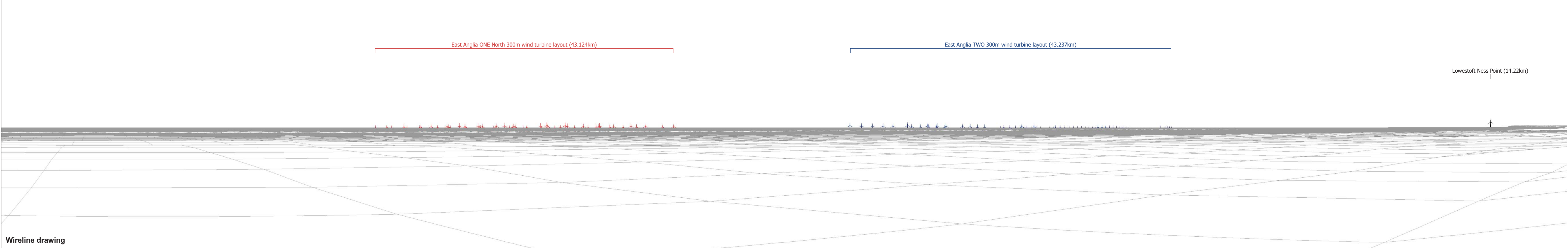
Camera: Canon EOS 5D Mark II  
 Lens: 50mm (Canon EF 50mm f/1.4)  
 Camera height: 1.5 m AGL  
 Date and time: 12/09/17, 15:28

Figure: 28.40b  
 Viewpoint 21: Great Yarmouth, South Beach



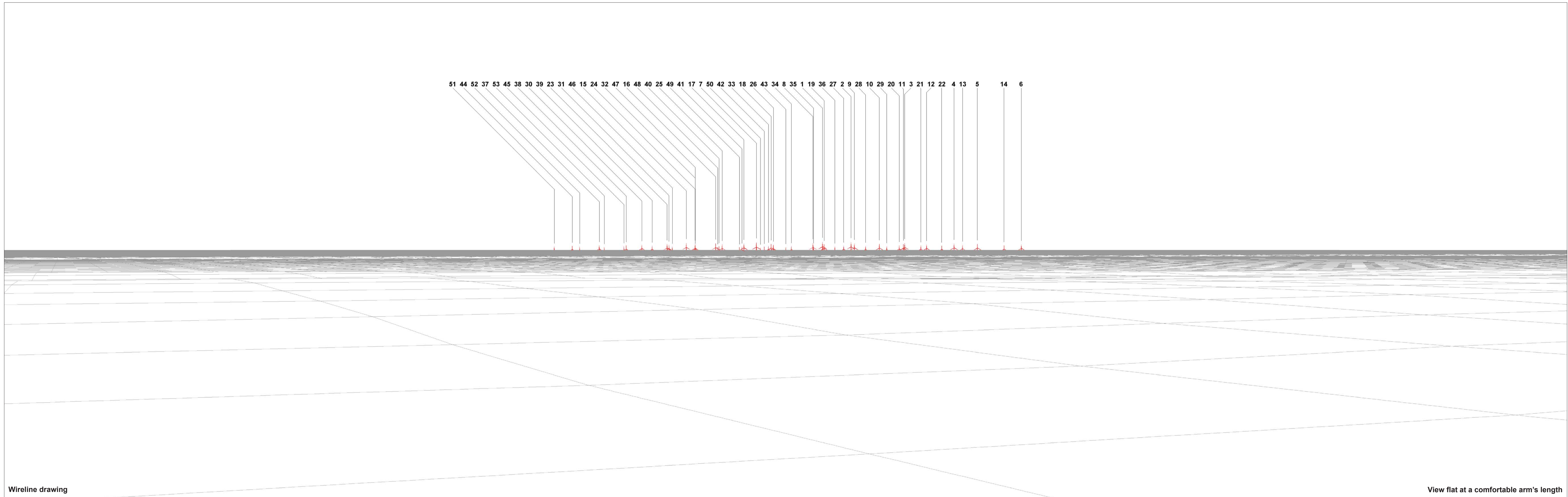
Baseline photograph

This image provides landscape and visual context only



Wireline drawing

<p><b>OS reference:</b> 653175 E 307578 N  <b>Eye level:</b> 4.7 m AOD  <b>Direction of view:</b> 130°  <b>Nearest turbine:</b> 43.124 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/09/17, 15:28</p>	<p><b>Figure: 28.40c</b>  <b>Viewpoint 21: Great Yarmouth, South Beach</b></p>
---	---	---	--



51 44 52 37 53 45 38 30 39 23 31 46 15 24 32 47 16 48 40 25 49 41 17 7 50 42 33 18 26 43 34 8 35 1 19 36 27 2 9 28 10 29 20 11 3 21 12 22 4 13 5 14 6

Wireline drawing

View flat at a comfortable arm's length

OS reference: 653175 E 307578 N  
Eye level: 4.7 m AOD  
Direction of view: 115°  
Nearest turbine: 43.124 km

Horizontal field of view: 53.5° (planar projection)  
Principal distance: 812.5 mm  
Paper size: 841 x 297 mm  
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: 12/09/17, 15:28

Figure: 28.40d  
Viewpoint 21: Great Yarmouth, South Beach

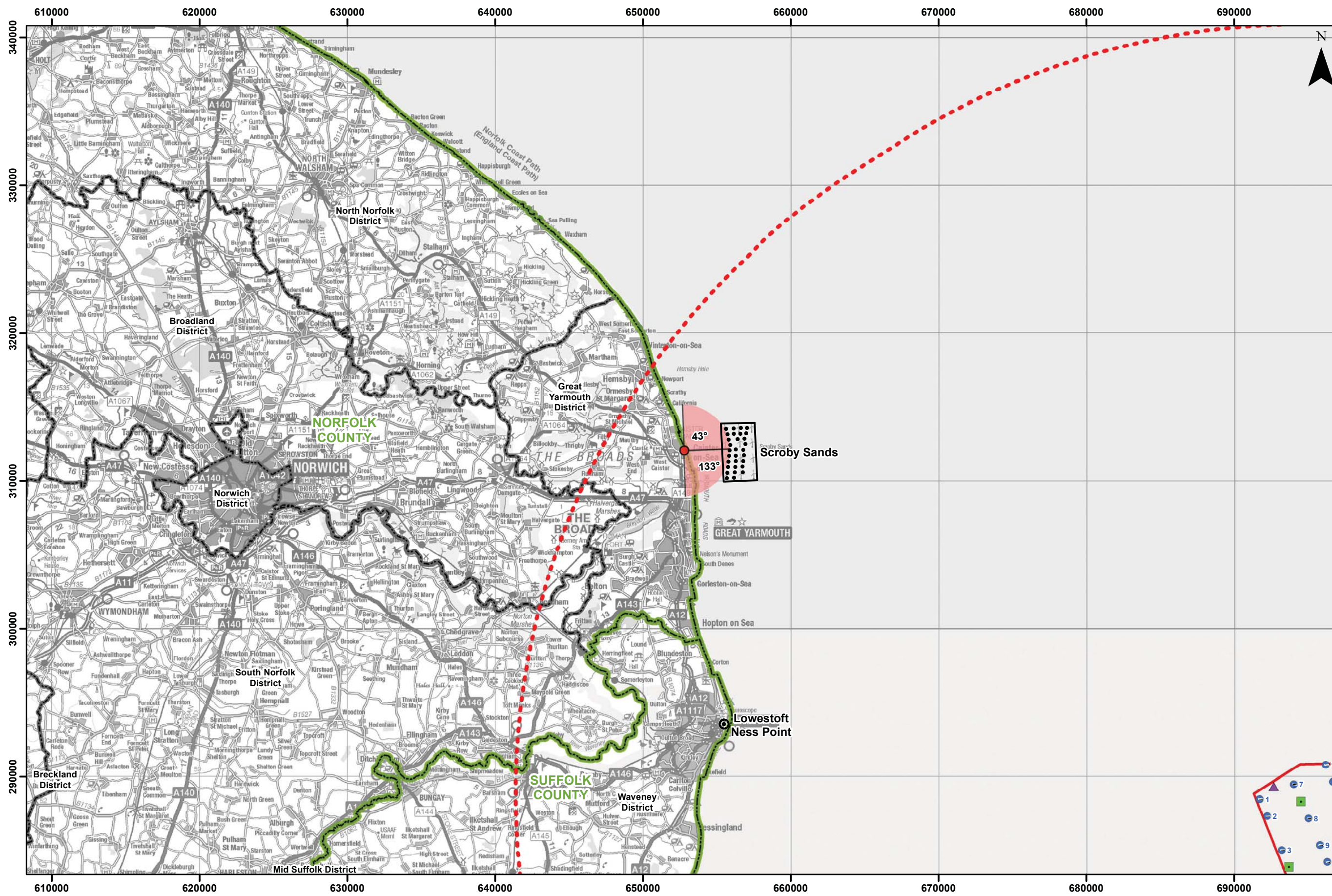


Photomontage

View flat at a comfortable arm's length

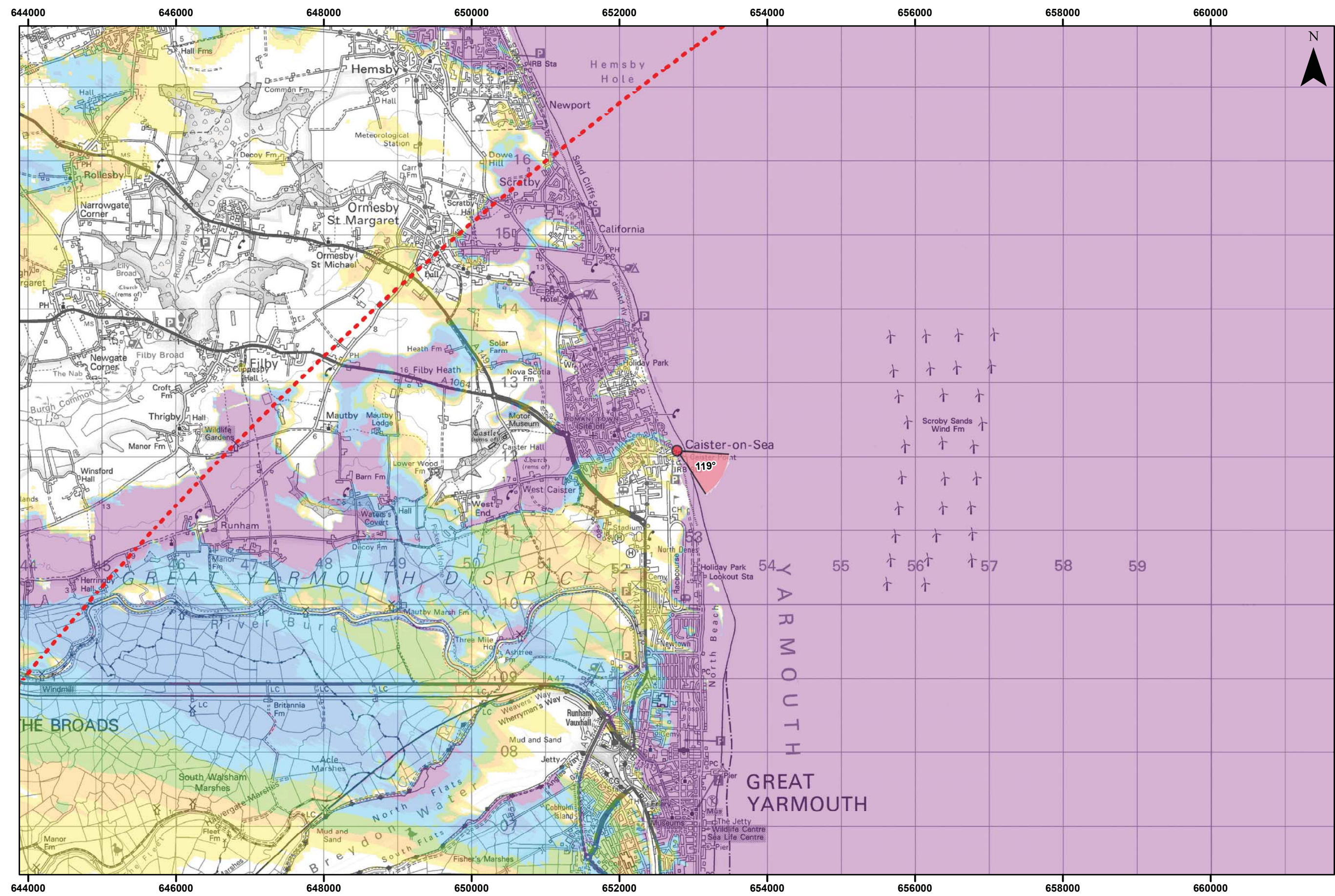
<b>OS reference:</b> 653175 E 307578 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 4.7 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 115°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 43.124 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/09/17, 15:28

**Figure: 28.40e**  
**Viewpoint 21: Great Yarmouth, South Beach**



Viewpoint Location Plan - 90 Degree View

Scale: 1:350,000



Viewpoint Location Plan - 53.5 Degree View

Scale: 1:50,000



**Legend**

- Site Boundary
- 50km SLVIA Study Area
- East Anglia ONE North 300m Wind Turbine Layout
- Indicative Accommodation Platform
- Indicative Offshore Substation Platform (OSS)
- ▲ Indicative Operational Meteorological Mast (OMM)
- County Boundary
- District Boundary
- Cumulative Turbine Locations

**Cumulative Windfarm Status**

- Application
- Operational

**No. of Blade Tips Visible**

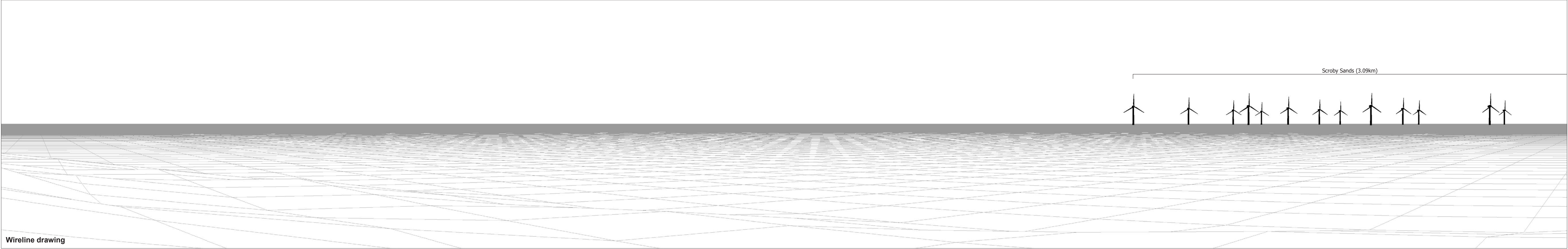
- 1 - 9
- 10 - 18
- 19 - 27
- 28 - 36
- 37 - 45
- 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:	LT
3	16/01/2019	TH	Update Document Reference		
2	08/01/2019	TH	Layout Update	Prepared:	TH
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM

East Anglia ONE North		Doc Ref	EA1N-DEWVF-ENV-REP-IBR-000297
Viewpoint: 22		Rev	3
Caister-on-sea		Date	16/01/19
		Figure	28.41a
			Datum: WGS 1984 Projection: Zone 31N



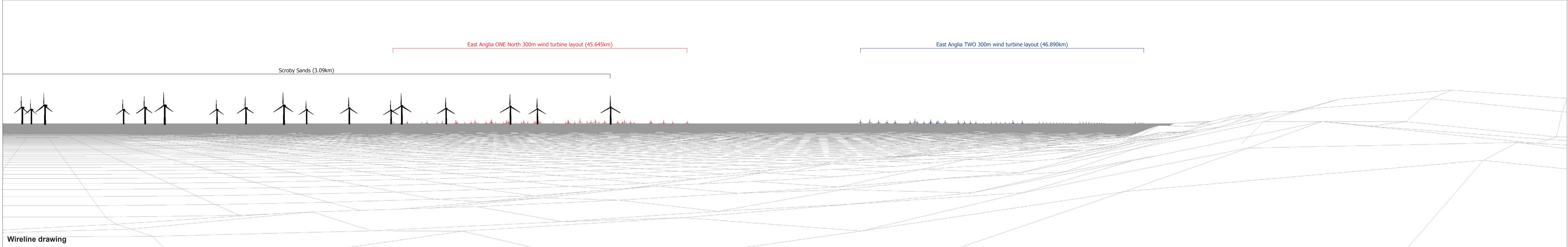
<b>OS reference:</b> 652777 E 312085 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 6.8 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 43°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 45.645 km		<b>Date and time:</b> 12/09/17 16:03

**Figure: 28.41b**  
**Viewpoint 22: Caister-on-sea**



Baseline photograph

This image provides landscape and visual context only

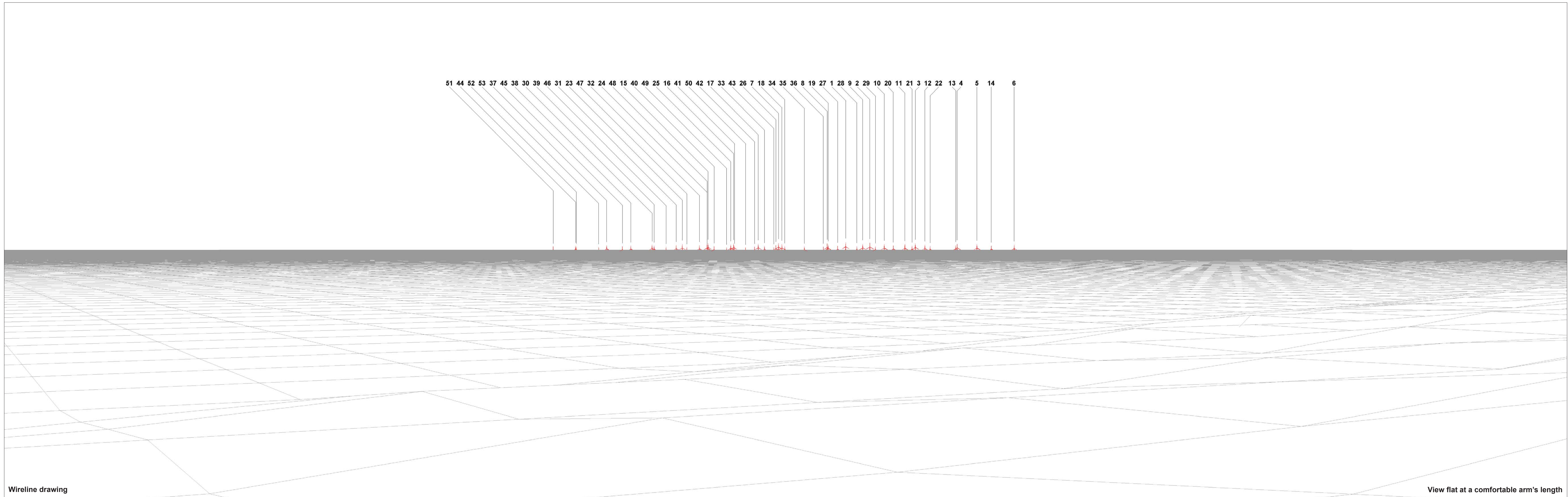


Wireline drawing

<b>OS reference:</b>	652777 E 312085 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	6.8 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	133°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	45.645 km			<b>Date and time:</b>	12/09/17 16:03

**Figure: 28.41c**  
**Viewpoint 22: Caister-on-sea**





51 44 52 53 37 45 38 30 39 46 31 23 47 32 24 48 15 40 49 25 16 41 50 42 17 33 43 26 7 18 34 35 36 8 19 27 1 28 9 2 29 10 20 11 21 3 12 22 13 4 5 14 6

Wireline drawing

View flat at a comfortable arm's length

OS reference: 652777 E 312085 N  
 Eye level: 6.8 m AOD  
 Direction of view: 119°  
 Nearest turbine: 45.645 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 12/09/17 16:03

Figure: 28.41d  
 Viewpoint 22: Caister-on-sea

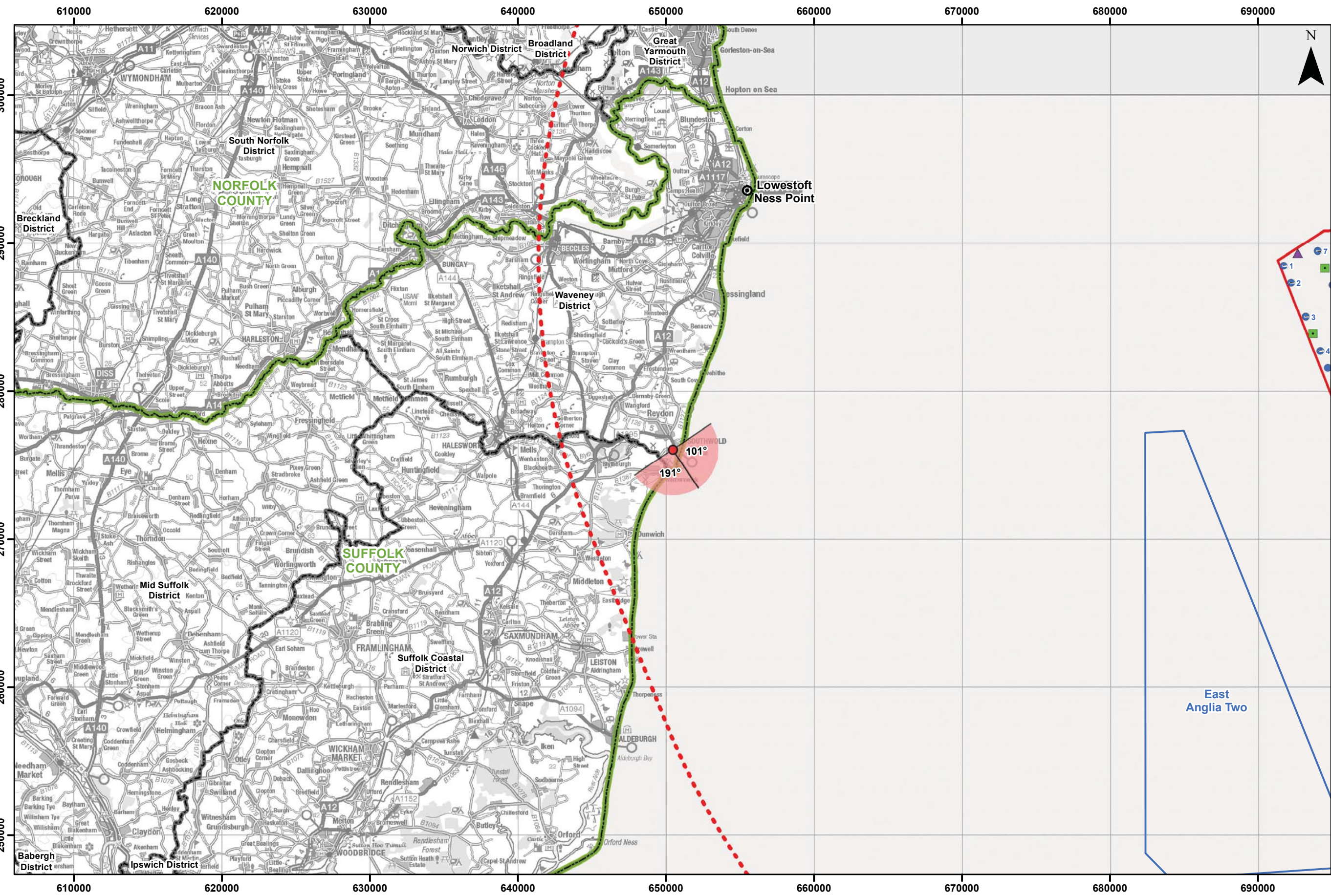


Photomontage

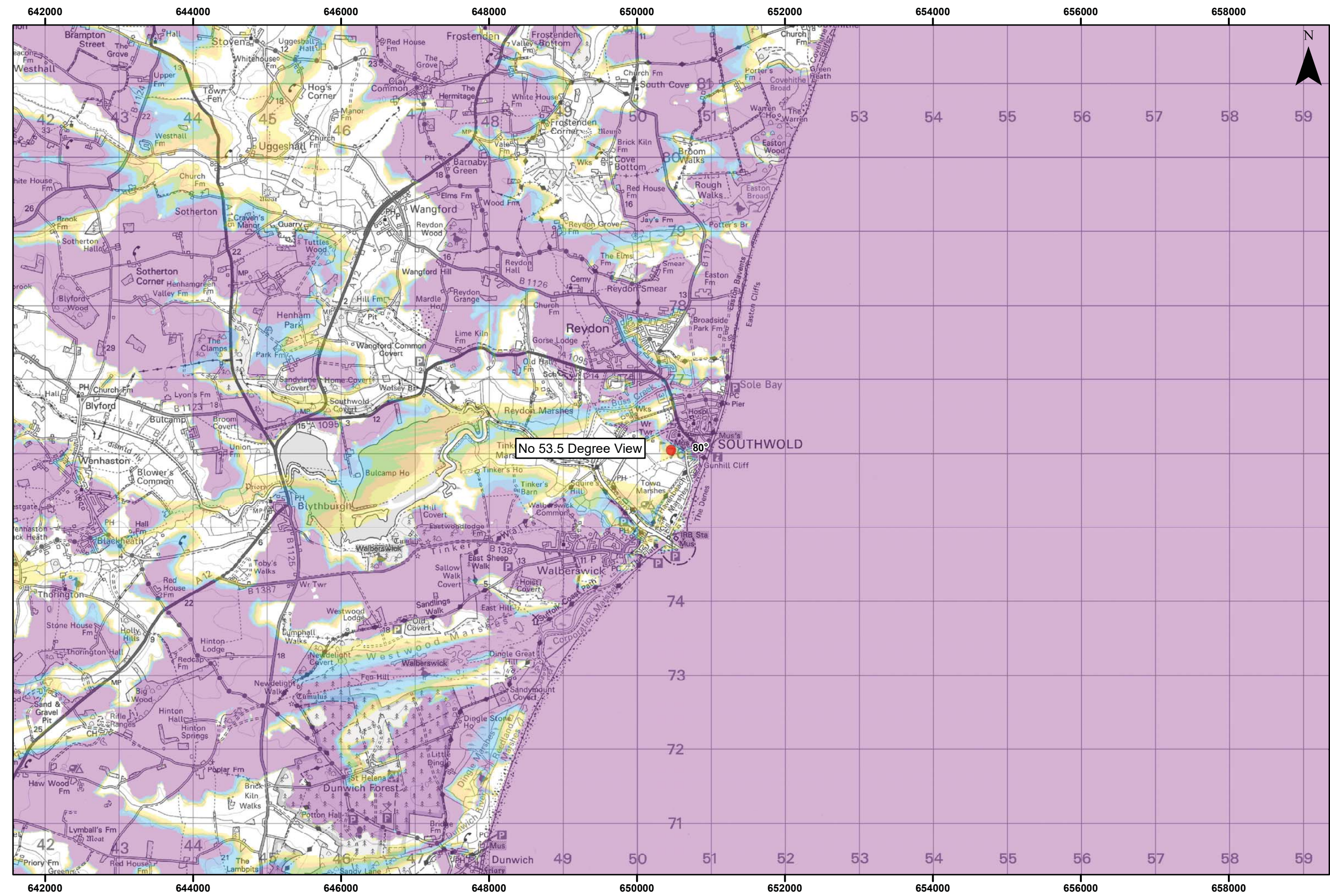
View flat at a comfortable arm's length

<b>OS reference:</b> 652777 E 312085 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 6.8 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 119°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 45.645 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/09/17 16:03

**Figure: 28.41e**  
**Viewpoint 22: Caister-on-sea**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



**Legend**

- Site Boundary
- 50km SLVIA Study
- East Anglia ONE North 300m Wind Turbine Layout
- Indicative Accommodation
- Indicative Offshore Substation Platform (OSS)
- ▲ Indicative Operational Meteorological Mast (OMM)
- County Boundary
- District Boundary
- Cumulative Turbine Locations

**Cumulative Windfarm Status**

- Application
- Operational

**No. of Blade Tips**

- 1 - 9
- 10 - 18
- 19 - 27
- 28 - 36
- 37 - 45
- 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

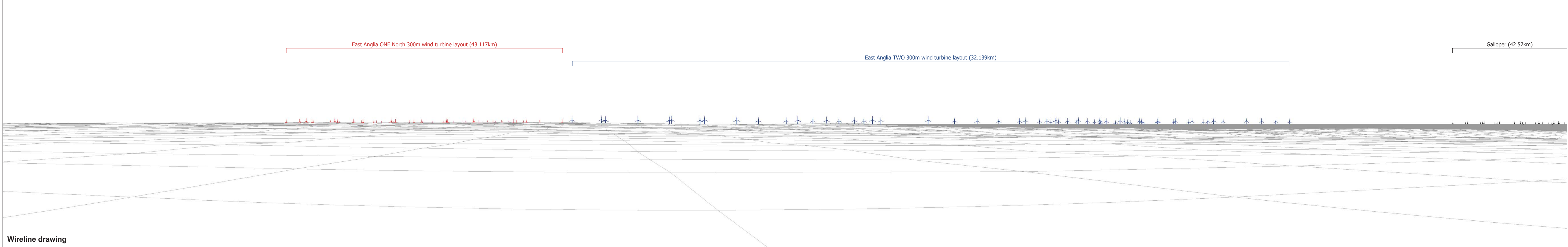
Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

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**East Anglia ONE North**  
Viewpoint: A  
Southwold Common

Doc Ref	Rev	Date	Figure
EA1N-DEWVF-ENV-REP-IBR-000297	3	16/01/19	28.42a

Datum: WGS 1984  
Projection: Zone 31N

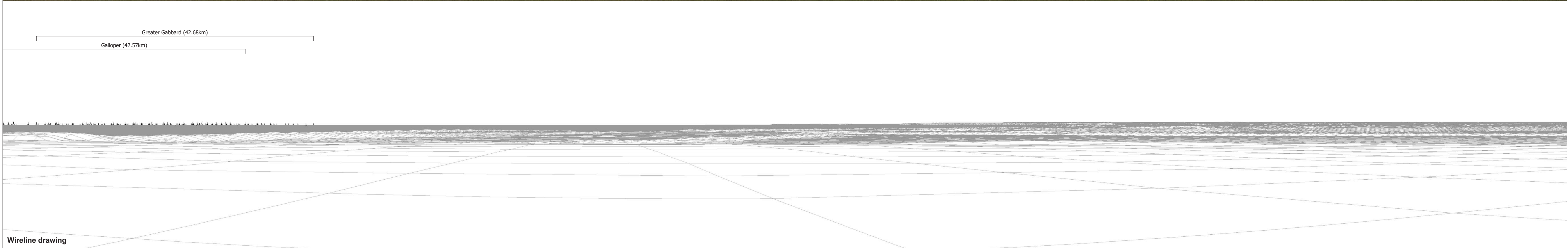


OS reference: 650484 E 276162 N  
 Eye level: 13 m AOD  
 Direction of view: 101°  
 Nearest turbine: 43.117 km

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

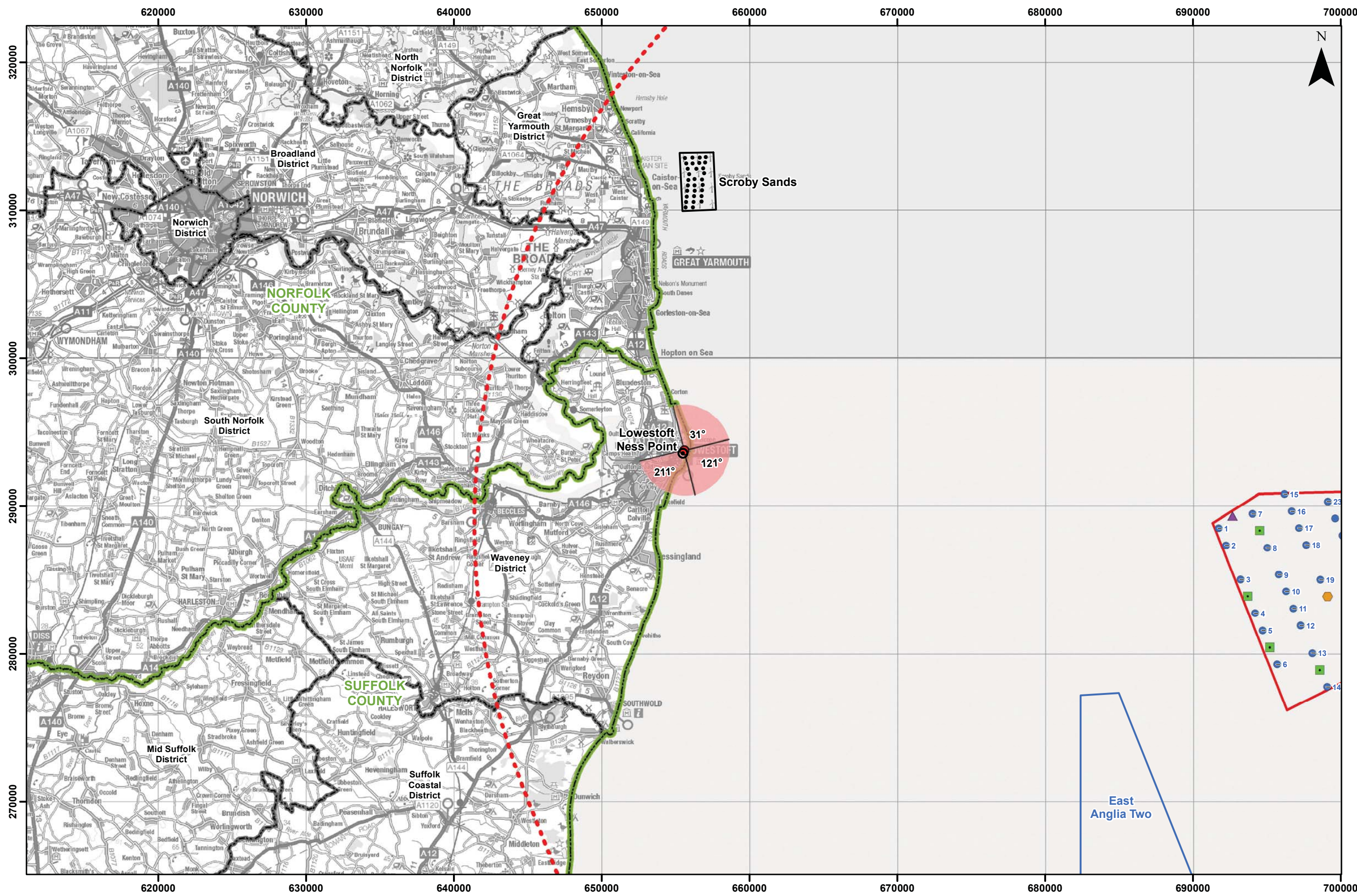
Camera: Canon EOS 5D Mark II  
 Lens: 50mm (Canon EF 50mm f/1.4)  
 Camera height: 1.5 m AGL  
 Date and time: 17/09/17, 14:41

Figure: 28.42b  
 Viewpoint A: Southwold Common

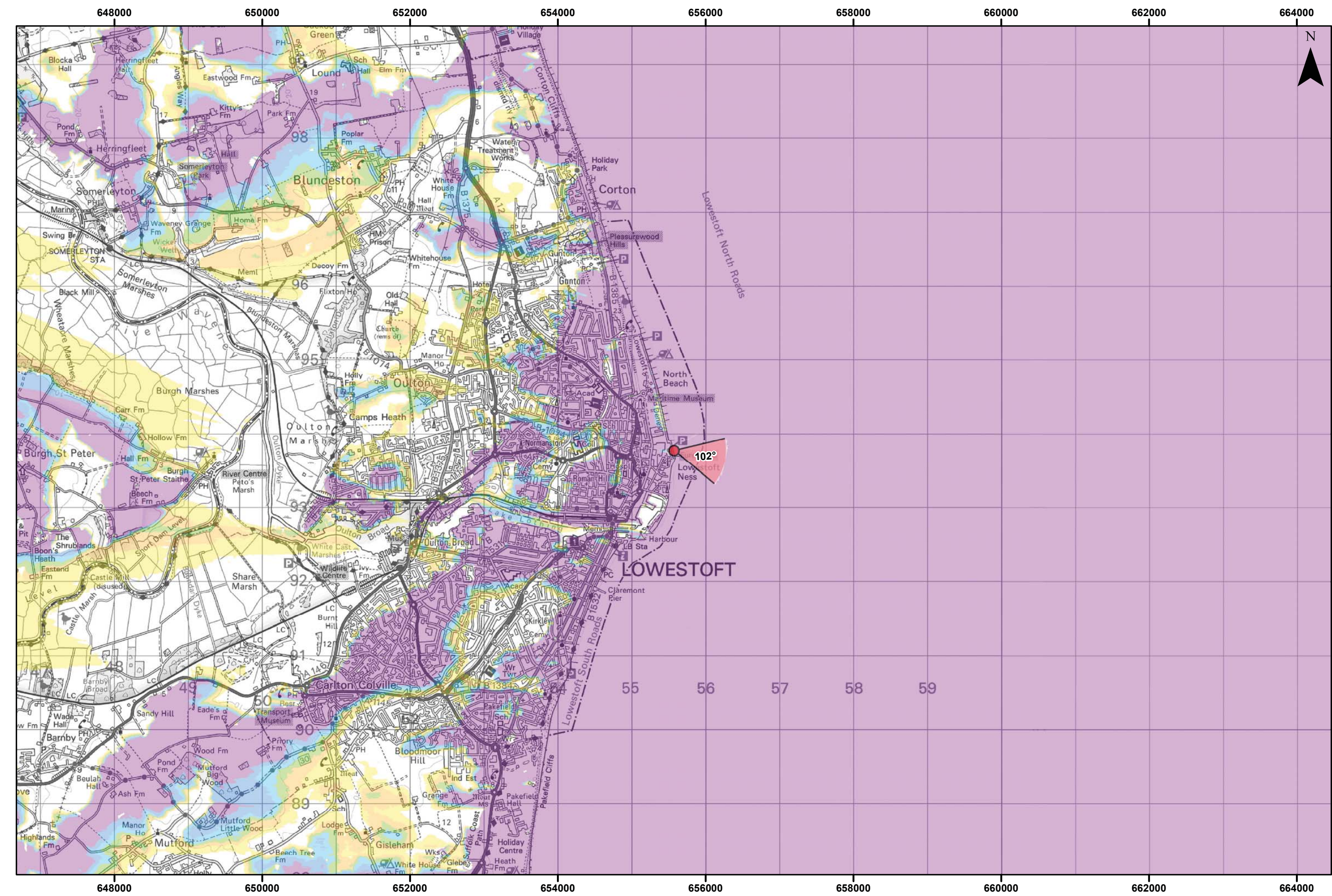


OS reference:	650484 E 276162 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mark II
Eye level:	13 m AOD	Principal distance:	522 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	191°			Camera height:	1.5 m AGL
Nearest turbine:	43.117 km			Date and time:	17/09/17, 14:41

**Figure: 28.42c**  
**Viewpoint A: Southwold Common**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations
- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:

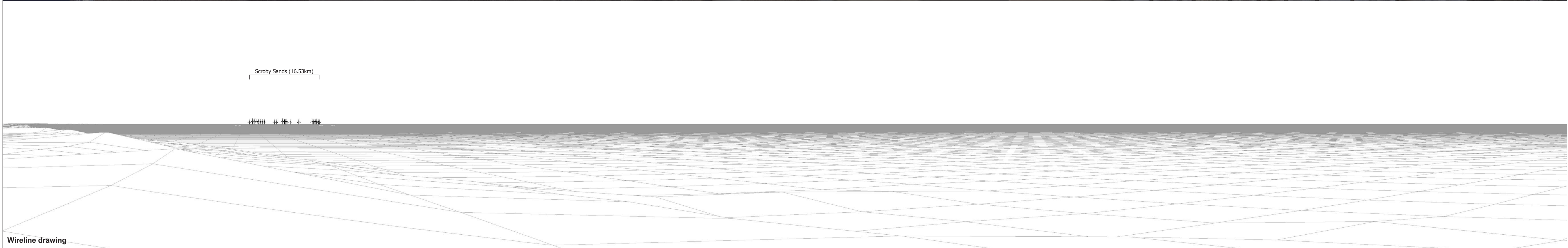
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

**East Anglia ONE North**  
Viewpoint: B  
Ness Point Lowestoft

Doc Ref	Rev	Date	Figure
EA1N-DEWVF-ENV-REP-IBR-000297	3	16/01/19	28.43a

Datum: WGS 1984  
Projection: Zone 31N



OS reference: 655573 E 293668 N  
 Eye level: 5.7 m AOD  
 Direction of view: 31°  
 Nearest turbine: 36.620 km

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

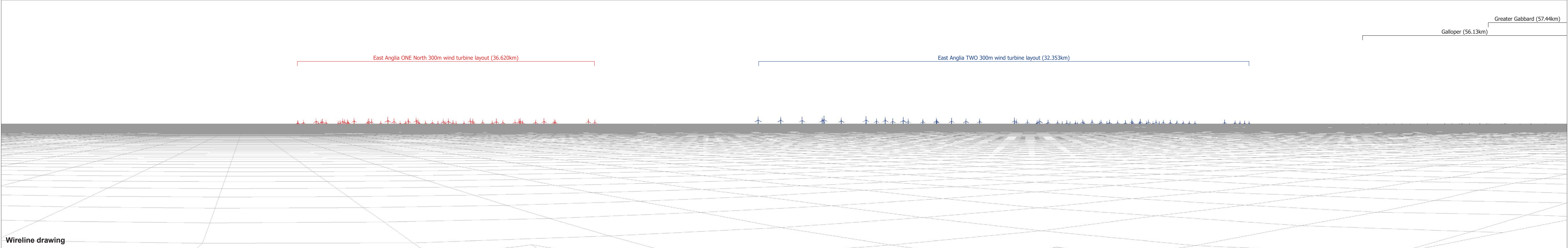
Camera: Canon EOS 5D Mark II  
 Lens: 50mm (Canon EF 50mm f/1.4)  
 Camera height: 1.5 m AGL  
 Date and time: 12/09/17, 12:56

Figure: 28.43b  
 Viewpoint B: Ness Point Lowestoft



Baseline photograph

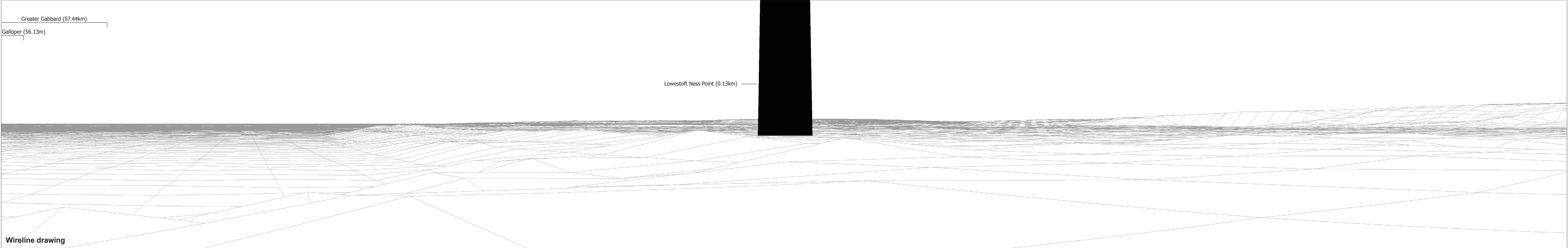
This image provides landscape and visual context only



Wireline drawing

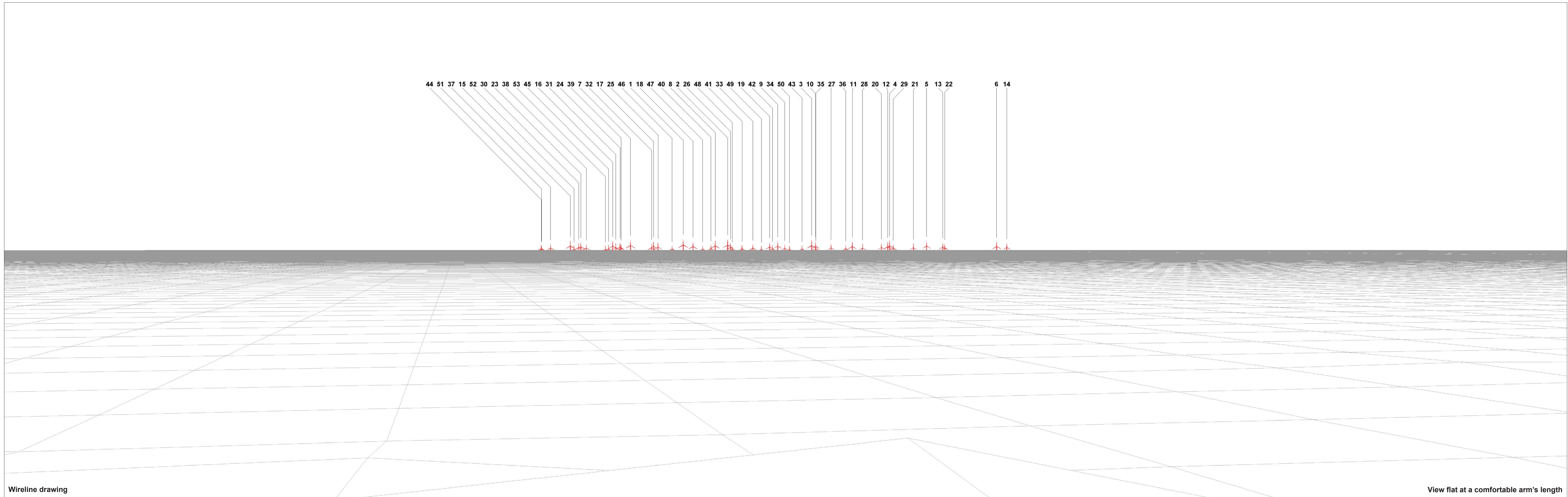
<p><b>OS reference:</b> 655573 E 293668 N  <b>Eye level:</b> 5.7 m AOD  <b>Direction of view:</b> 121°  <b>Nearest turbine:</b> 36.620 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)  <b>Principal distance:</b> 522 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 12/09/17, 12:56</p>	<p><b>Figure: 28.43c</b>  <b>Viewpoint B: Ness Point Lowestoft</b></p>
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<b>OS reference:</b>	655573 E 293668 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	5.7 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	211°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	36.620 km			<b>Date and time:</b>	12/09/17, 12:56

**Figure: 28.43d**  
**Viewpoint B: Ness Point Lowestoft**



Wireline drawing

View flat at a comfortable arm's length

OS reference: 655573 E 293668 N  
 Eye level: 5.7 m AOD  
 Direction of view: 102  
 Nearest turbine: 36.620 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 12/09/17, 12:56

Figure: 28.43e  
 Viewpoint B: Ness Point Lowestoft



Photomontage

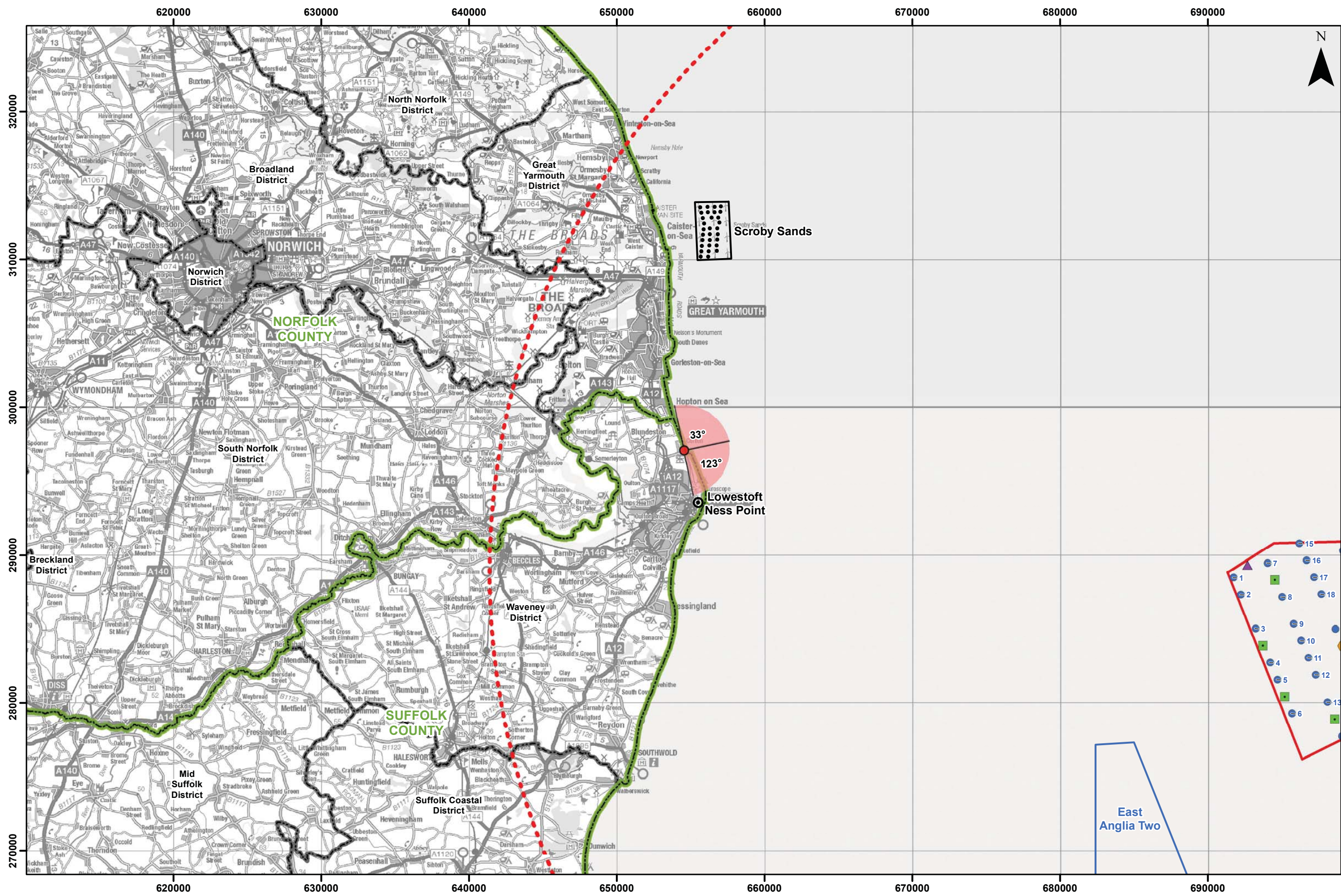
View flat at a comfortable arm's length

**OS reference:** 655573 E 293668 N  
**Eye level:** 5.7 m AOD  
**Direction of view:** 102°  
**Nearest turbine:** 36.620 km

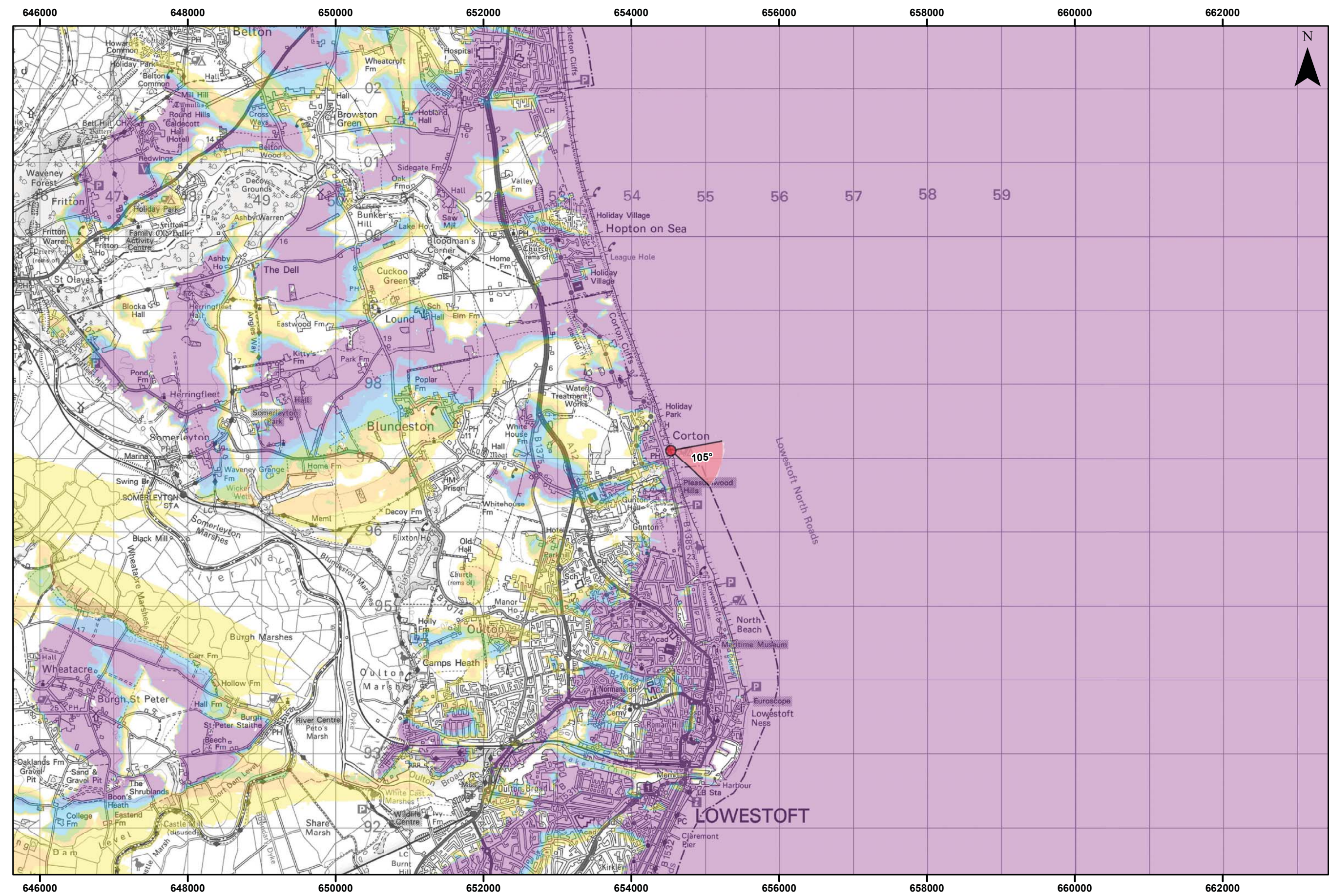
**Horizontal field of view:** 53.5° (planar projection)  
**Principal distance:** 812.5 mm  
**Paper size:** 841 x 297 mm  
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II  
**Lens:** 50mm (Canon EF 50mm f/1.4)  
**Camera height:** 1.5 m AGL  
**Date and time:** 12/09/17, 12:56

**Figure: 28.43f**  
**Viewpoint B: Ness Point Lowestoft**



**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations

- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
No surface features, such as buildings or trees, were included in the analysis.  
Earth curvature and light refraction has been included in calculations.

Rev	Date	By	Comment	Approved:
3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prepared: TH
1	12/11/2018	LA	First Issue (OPEN)	Checked: SM
				Approved: LT

**East Anglia ONE North**  
Viewpoint: C  
Corton Holiday Village

Doc Ref	Rev	Date	Figure
EA1N-DEWVF-ENV-REP-IBR-000297	3	16/01/19	28.44a

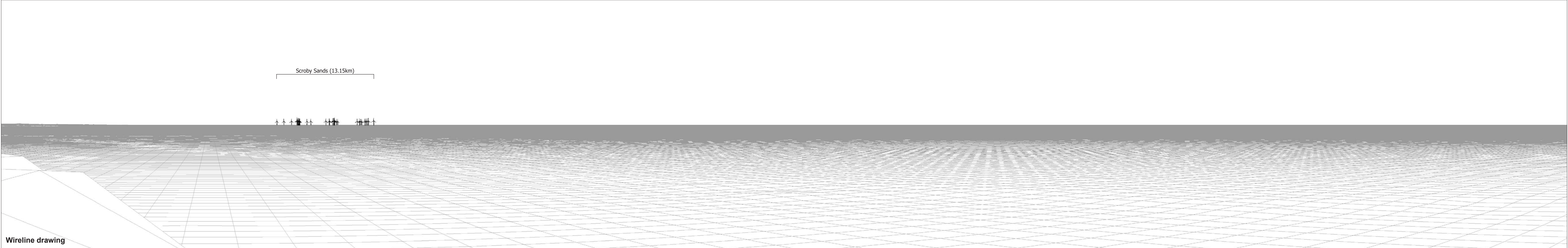
Datum: WGS 1984  
Projection: Zone 31N

P:\2019\150887\_EA1N&2GIS\ArcGIS\Map\OFFSHORE\_WP\PIER\_EA1N\_Rev\_03150887\_EA1N\_Fig28\_25-45\_v3\_V\Vlocos\_DDP\_v2.mxd



Baseline photograph

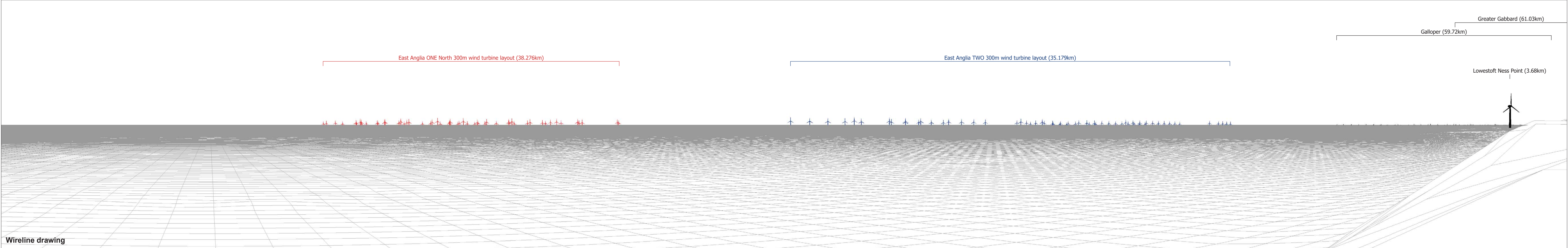
This image provides landscape and visual context only



Wireline drawing

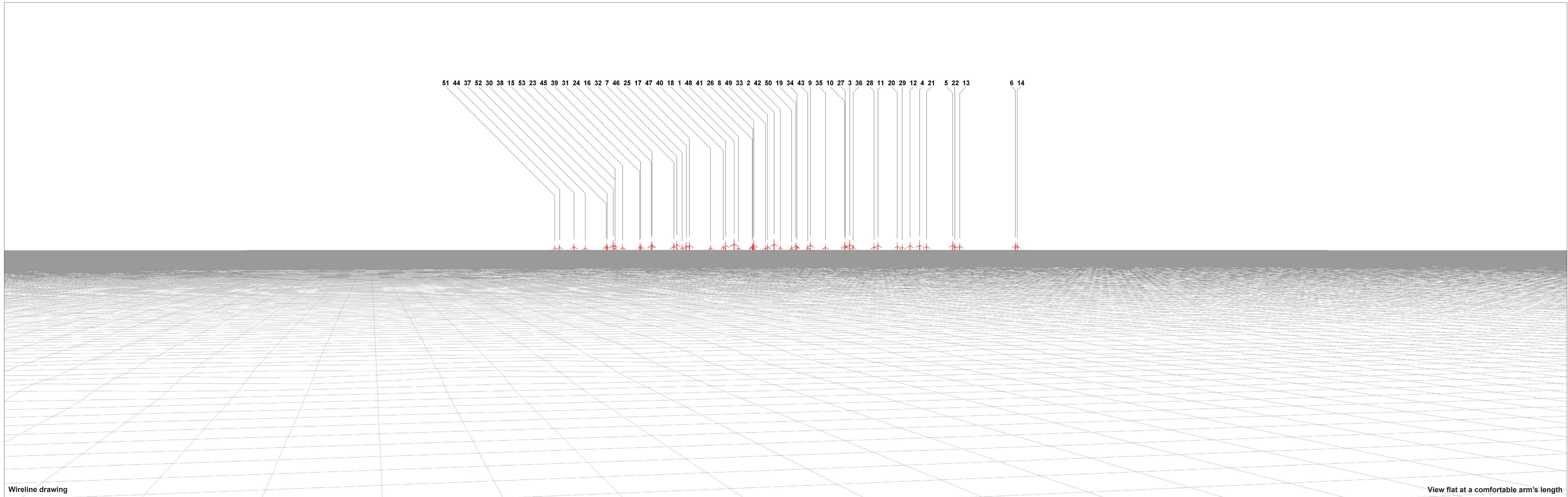
<b>OS reference:</b> 654535 E 297101 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 20.6 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 33°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 38.276 km		<b>Date and time:</b> 12/09/17, 13:31

**Figure: 28.44b**  
**Viewpoint C: Corton Holiday Village**



<b>OS reference:</b>	654535 E 297101 N	<b>Horizontal field of view:</b>	90° (cylindrical projection)	<b>Camera:</b>	Canon EOS 5D Mark II
<b>Eye level:</b>	20.6 m AOD	<b>Principal distance</b>	522 mm	<b>Lens:</b>	50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b>	123°			<b>Camera height:</b>	1.5 m AGL
<b>Nearest turbine:</b>	38.276 km			<b>Date and time:</b>	12/09/17, 13:31

**Figure: 28.44c**  
**Viewpoint C: Corton Holiday Village**



Wireline drawing

View flat at a comfortable arm's length

OS reference: 654535 E 297101 N  
 Eye level: 20.6 m AOD  
 Direction of view: 105°  
 Nearest turbine: 38.276 km

Horizontal field of view: 53.5° (planar projection)  
 Principal distance: 812.5 mm  
 Paper size: 841 x 297 mm  
 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: 12/09/17, 13:31

Figure: 28.44d  
 Viewpoint C: Corton Holiday Village



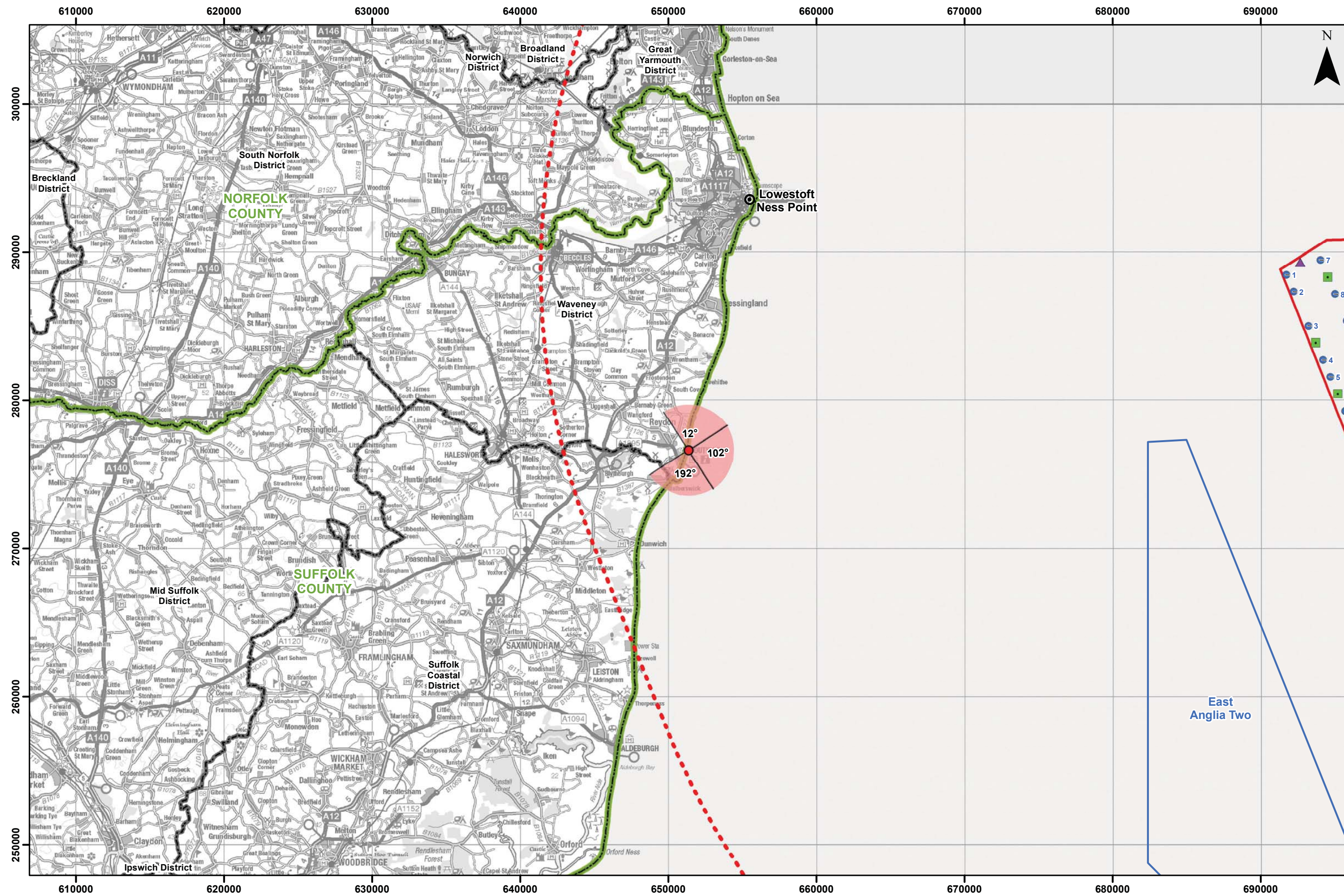
Photomontage

View flat at a comfortable arm's length

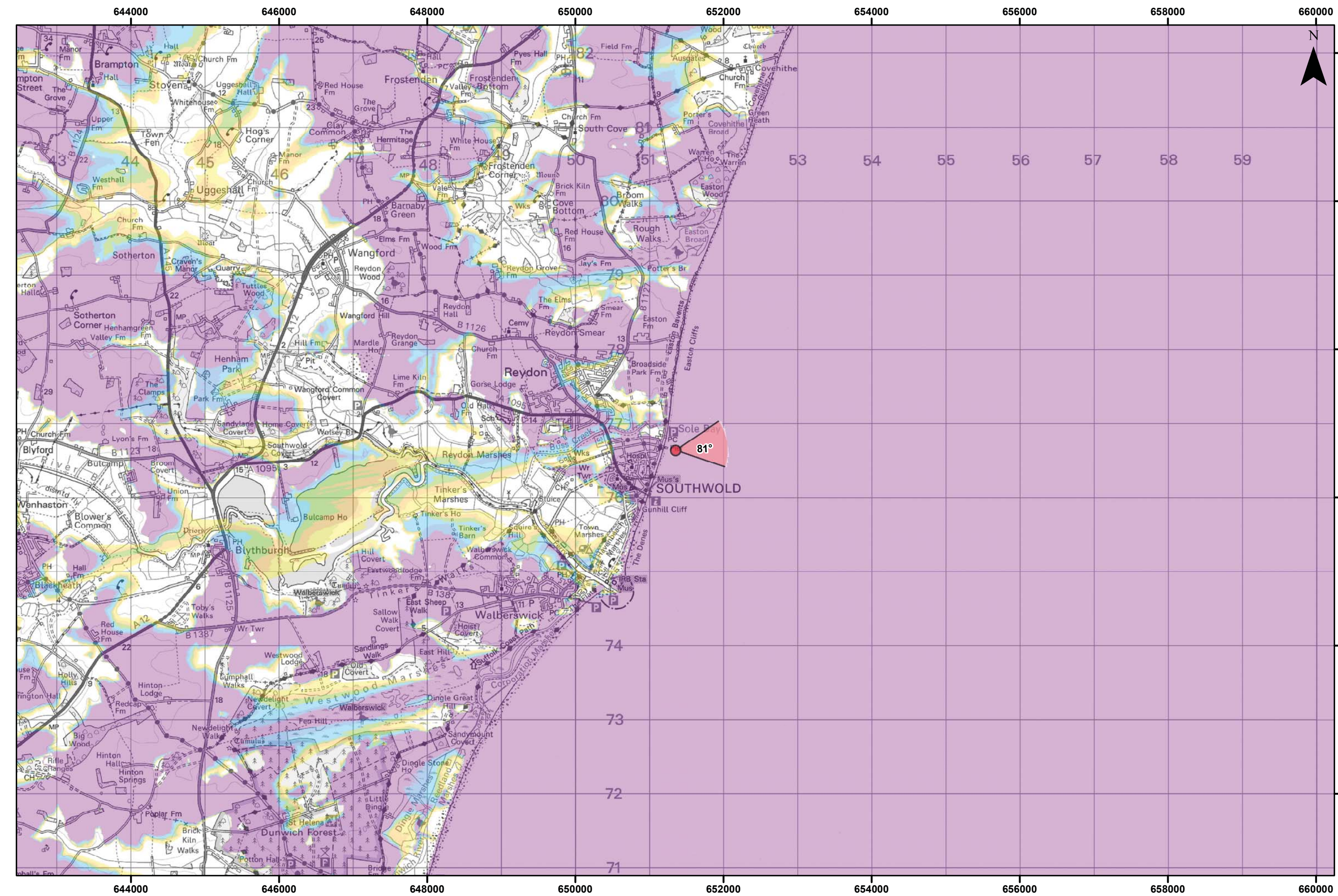
<b>OS reference:</b> 654535 E 297101 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 20.6 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 105°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 38.276 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 12/09/17, 13:31

**Figure: 28.44e**  
**Viewpoint C: Corton Holiday Village**





**Viewpoint Location Plan - 90 Degree View**  
Scale: 1:350,000



**Viewpoint Location Plan - 53.5 Degree View**  
Scale: 1:50,000



- Legend**
- Site Boundary
  - 50km SLVIA Study Area
  - East Anglia ONE North 300m Wind Turbine Layout
  - Indicative Accommodation Platform
  - Indicative Offshore Substation Platform (OSS)
  - ▲ Indicative Operational Meteorological Mast (OMM)
  - County Boundary
  - District Boundary
  - Cumulative Turbine Locations
- Cumulative Windfarm Status**
- Application
  - Operational
- No. of Blade Tips Visible**
- 1 - 9
  - 10 - 18
  - 19 - 27
  - 28 - 36
  - 37 - 45
  - 46 - 53

**Note:**  
1. ZTV: Created using ESRI ArcGIS 10.6 software and the following data and parameters:  
Blade tip height: 300m  
DTM Data: OS Terrain 5  
DTM Resolution: 10m  
Observer height: 2m  
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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**East Anglia ONE North**  
Viewpoint: D  
Southwold Pier

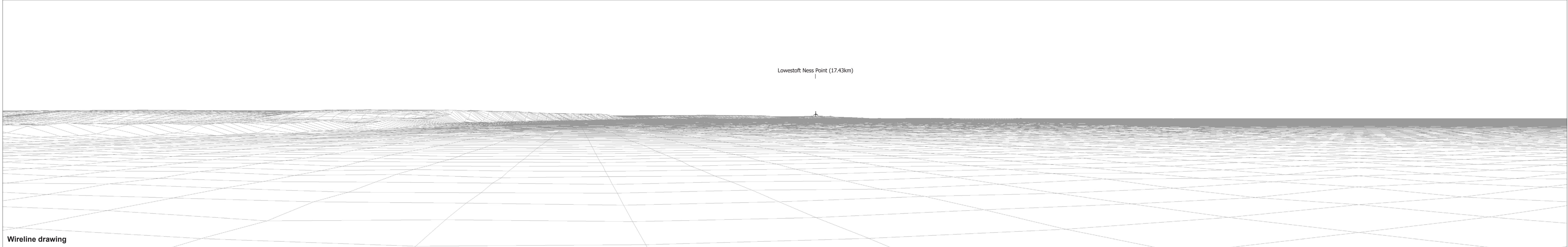
Doc Ref	Rev	Date	Figure
EA1N-DEWVF-ENV-REP-IBR-000297	3	16/01/19	28.45a

Datum: WGS 1984  
Projection: Zone 31N



Baseline photograph

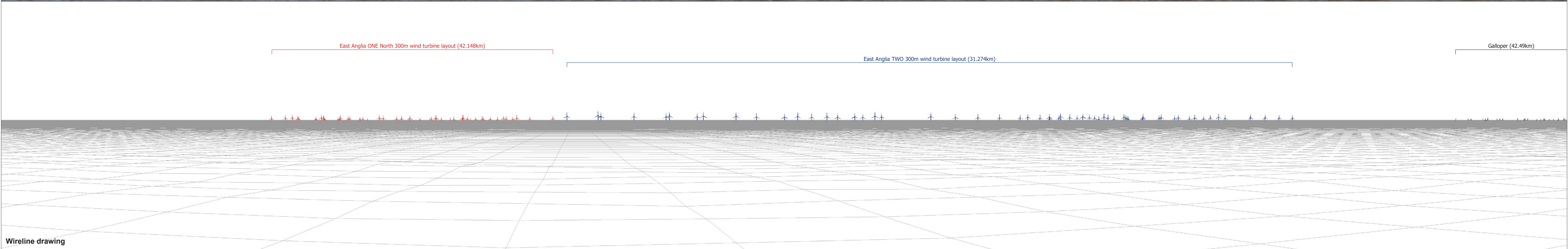
This image provides landscape and visual context only



Wireline drawing

<b>OS reference:</b> 651357 E 276627 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 7.0 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 12°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.148 km		<b>Date and time:</b> 17/09/17, 15:11

**Figure: 28.45b**  
**Viewpoint D: Southwold Pier**



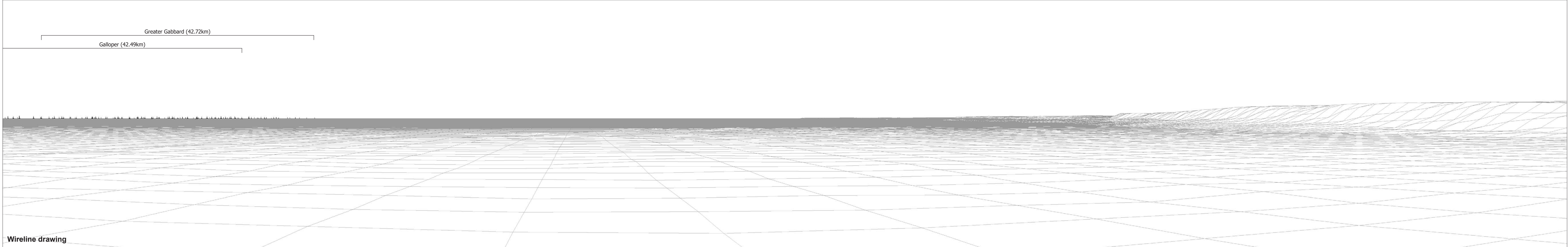
<b>OS reference:</b> 651357 E 276627 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 7.0 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 102°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.148 km		<b>Date and time:</b> 17/09/17, 15:11

**Figure: 28.45c**  
**Viewpoint D: Southwold Pier**



Baseline photograph

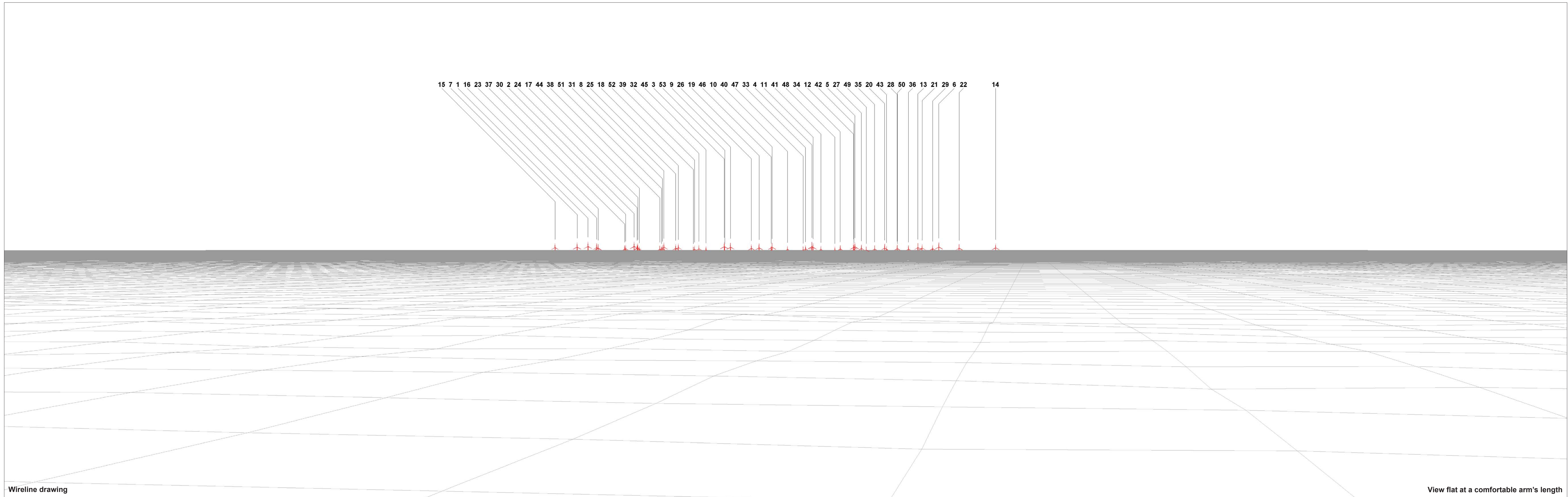
This image provides landscape and visual context only



Wireline drawing

<b>OS reference:</b> 651357 E 276627 N	<b>Horizontal field of view:</b> 90° (cylindrical projection)	<b>Camera:</b> Canon EOS 5D Mark II
<b>Eye level:</b> 7.0 m AOD	<b>Principal distance:</b> 522 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)
<b>Direction of view:</b> 192°		<b>Camera height:</b> 1.5 m AGL
<b>Nearest turbine:</b> 42.148 km		<b>Date and time:</b> 17/09/17, 15:11

**Figure: 28.45d**  
**Viewpoint D: Southwold Pier**



15 7 1 16 23 37 30 2 24 17 44 38 51 31 8 25 18 52 39 32 45 3 53 9 26 19 46 10 40 47 33 4 11 41 48 34 12 42 5 27 49 35 20 43 28 50 36 13 21 29 6 22 14

Wireline drawing

View flat at a comfortable arm's length

<p><b>OS reference:</b> 651357 E 276627 N  <b>Eye level:</b> 7.0 m AOD  <b>Direction of view:</b> 81°  <b>Nearest turbine:</b> 42.148 km</p>	<p><b>Horizontal field of view:</b> 53.5° (planar projection)  <b>Principal distance:</b> 812.5 mm  <b>Paper size:</b> 841 x 297 mm  <b>Correct printed image size:</b> 820 x 260 mm</p>	<p><b>Camera:</b> Canon EOS 5D Mark II  <b>Lens:</b> 50mm (Canon EF 50mm f/1.4)  <b>Camera height:</b> 1.5 m AGL  <b>Date and time:</b> 17/09/17, 15:11</p>	<p><b>Figure: 28.45e</b>  <b>Viewpoint D: Southwold Pier</b></p>
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Photomontage

View flat at a comfortable arm's length

<b>OS reference:</b> 651357 E 276627 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 5D Mark II	<b>Figure: 28.45f</b> <b>Viewpoint D: Southwold Pier</b>
<b>Eye level:</b> 7.0 m AOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> 50mm (Canon EF 50mm f/1.4)	
<b>Direction of view:</b> 81°	<b>Paper size:</b> 841 x 297 mm	<b>Camera height:</b> 1.5 m AGL	
<b>Nearest turbine:</b> 42.148 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 17/09/17, 15:11	