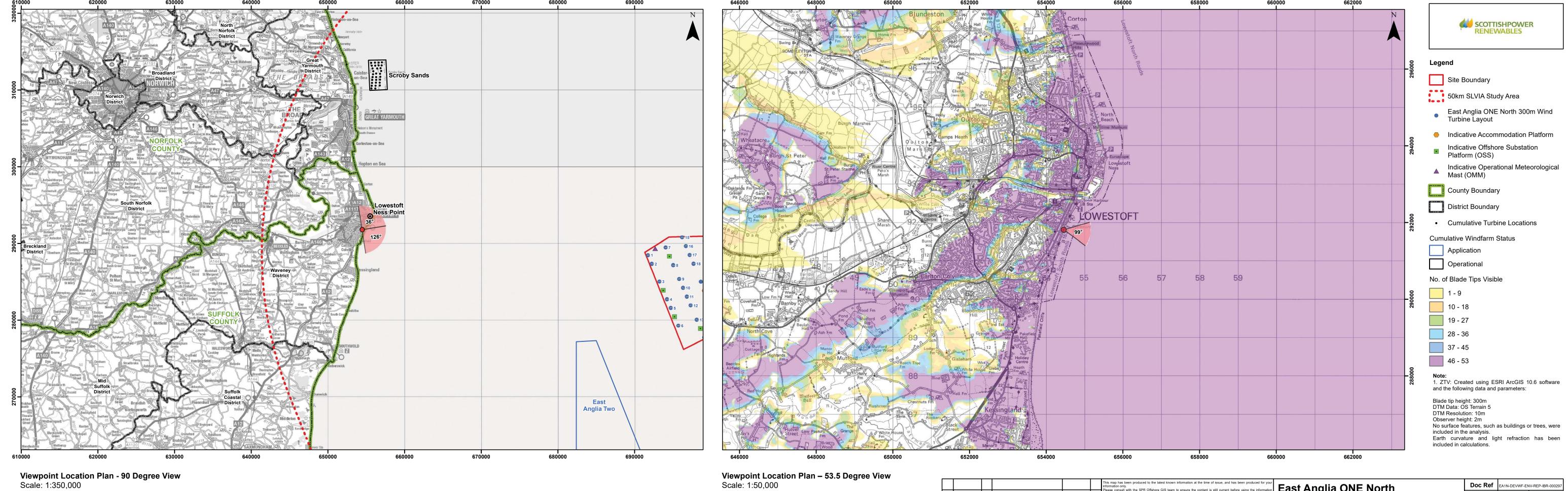
East Anglia ONE North 300m wind turbine layout (EA1N) Offshore Windfarm

Coastal Visualisations







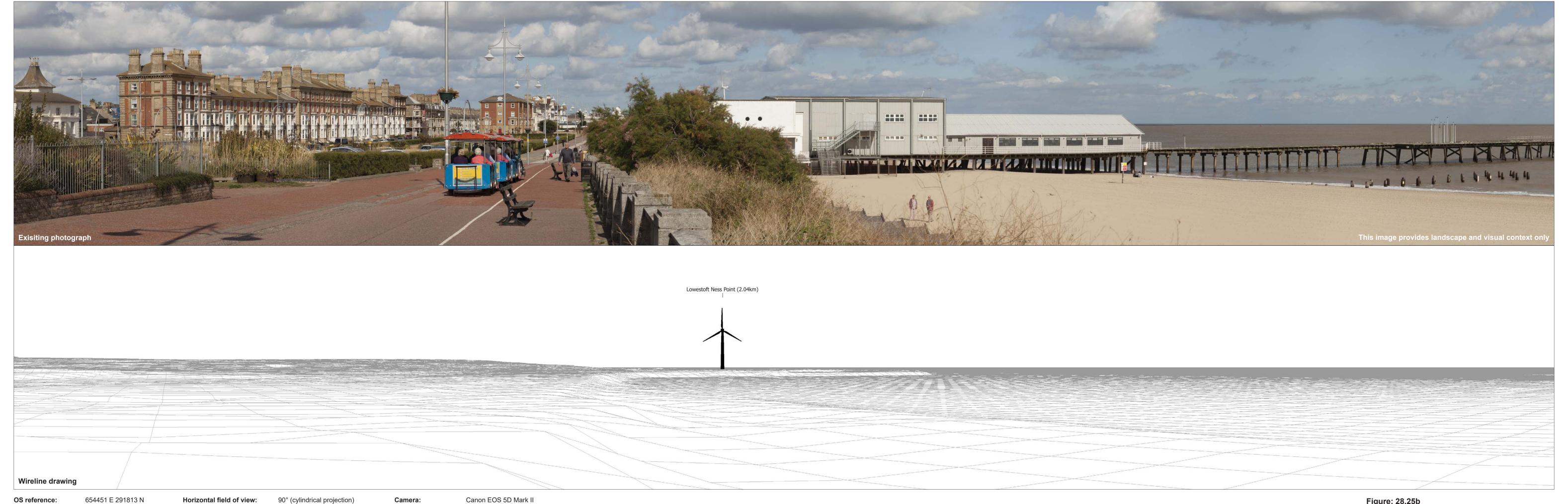


Viewpoint Location Plan - 90 Degree View Scale: 1:350,000

Rev	12/11/2018 Date	By	First Issue (OPEN) Comment	Approved:		product has been derived in part from material obtained from the UK Hydrographic Office with the permission of t
	10/11/0010		First Issue (ODEN)	Checked:	-	negligence) or otherwise in respect of any errors or omissions in the information contained in the map and shall r be liable for any loss, damage or expense caused by such errors or omissions. © Crown Copyright and SeaZone Solutions Limitled. All rights reserved. Product Licence No. 082010.001. Ti
2	08/01/2019	TH	Layout Update	Prepared:	I	Please consult with the SPR Offshore GIS team to ensure the content is still current before using the informati contained on this map. To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, tort (including the contract).
					l	This map has been produced to the latest known information at the time of issue, and has been produced for y information only.

East Anglia ONE North Viewpoint: 1 Lowestoft

Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 Date 16/01/19 Projection Figure 28.25a



654451 E 291813 N 7.3 m AOD 37.519 km

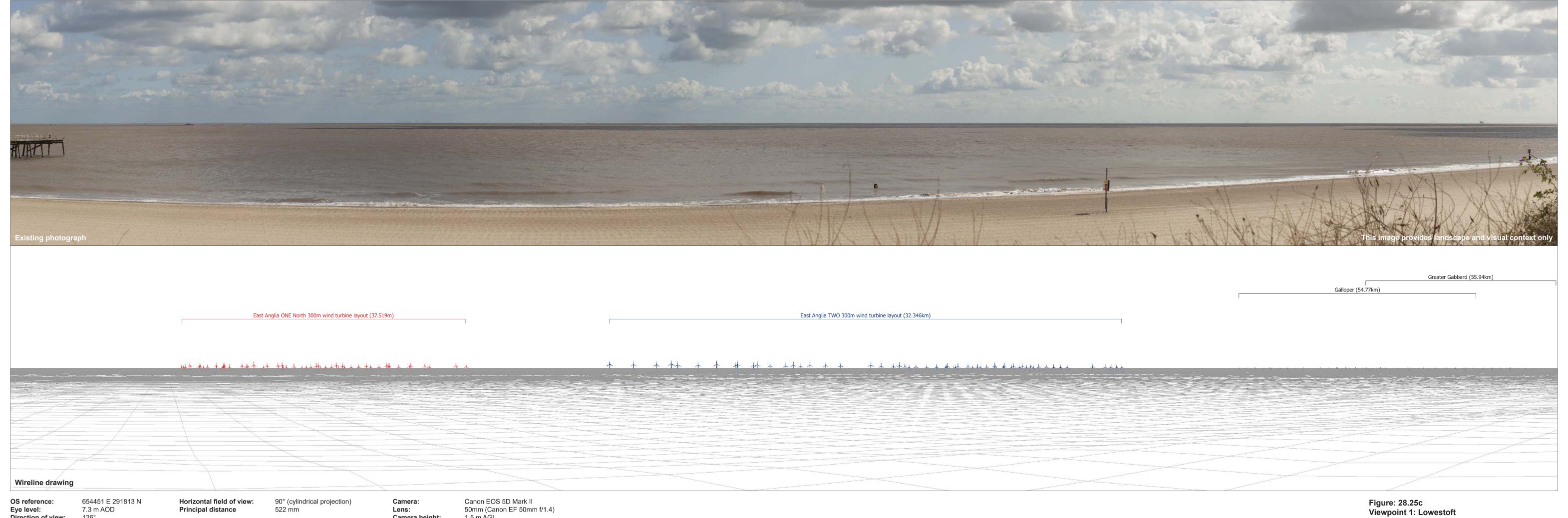
Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17, 12:33

Figure: 28.25b Viewpoint 1: Lowestoft



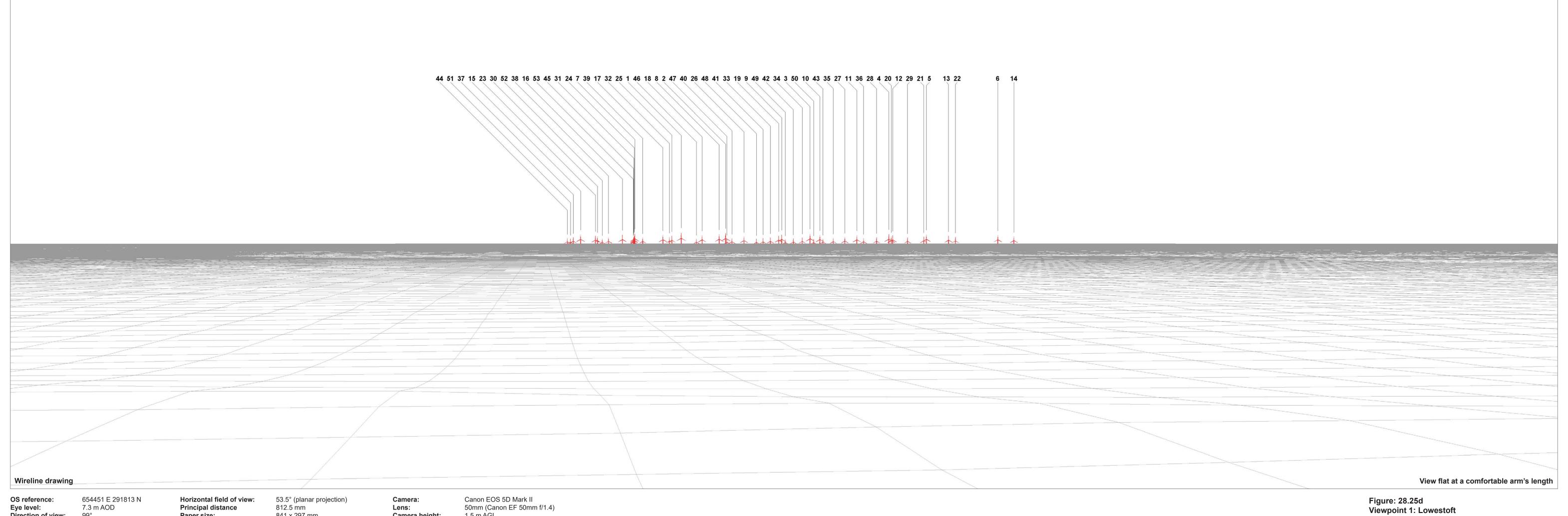
Eye level: Direction of view: Nearest turbine:

37.519 km

Principal distance

Camera height:

50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17, 12:33



Eye level: Direction of view: Nearest turbine:

7.3 m AOD

Principal distance Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

812.5 mm

Camera height: Date and time:

1.5 m AGL 12/09/17, 12:33



654451 E 291813 N 7.3 m AOD

Horizontal field of view: Principal distance Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

53.5° (planar projection) 812.5 mm

Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17, 12:33

Figure: 28.25e Viewpoint 1: Lowestoft



654451 E 291813 N 7.3 m AOD 37.519 km

Horizontal field of view: Principal distance Paper size: Correct printed image size: 820 x 260 mm

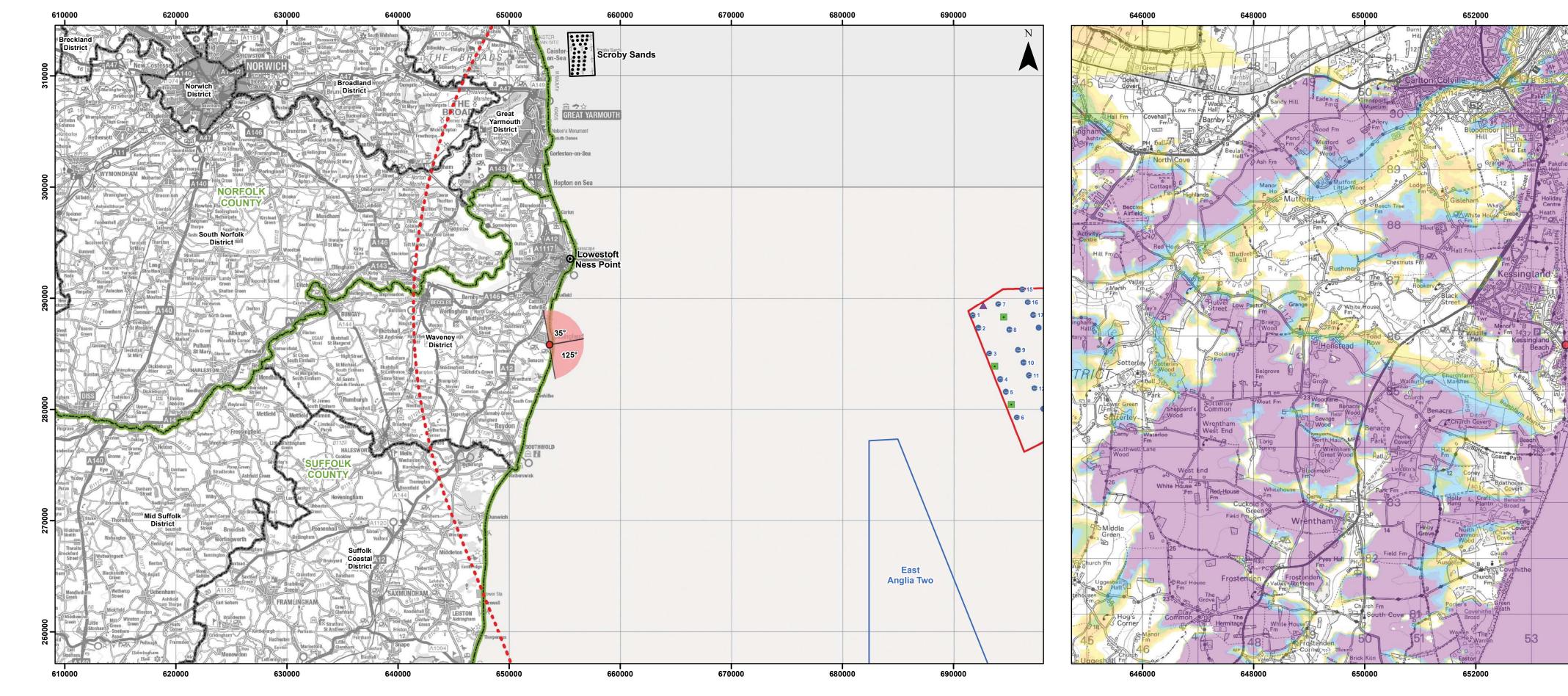
53.5° (planar projection) 812.5 mm 841 x 297 mm

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) Camera height: 1.5 m AGL 16/09/17, 18:47 Date and time:

Lens:

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

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East Anglia ONE North 3 16/01/2019 TH Update Document Reference Prepared: TH
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Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 **Date** 16/01/19 Projection: Figure 28.26a

ZTV: Created using ESRI ArcGIS 10.6 software

No surface features, such as buildings or trees, were

Earth curvature and light refraction has been included in calculations.

and the following data and parameters:

Blade tip height: 300m DTM Data: OS Terrain 5 DTM Resolution: 10m

included in the analysis.

Observer height: 2m

SCOTTISHPOWER RENEWABLES

East Anglia ONE North 300m Wind Turbine Layout

Indicative Accommodation Platform

Indicative Offshore Substation Platform (OSS)

Cumulative Turbine Locations

Indicative Operational Meteorological Mast (OMM)

Site Boundary

County Boundary

District Boundary

Application

Operational

10 - 18

37 - 45

46 - 53

No. of Blade Tips Visible

Cumulative Windfarm Status

50km SLVIA Study Area



Eye level: Direction of view: Nearest turbine:

653618 E 285844 N 6.35 m AOD 38.287 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17, 12:04

Figure: 28.26b Viewpoint 2: Kessingland Beach



38.287 km

Camera height:

1.5 m AGL 12/09/17, 12:04

15 37 23 44 7 30 51 16 38 24 1 52 31 17 45 39 53 25 32 2 18 8 46 26 40 47 9 19 3 33 41 48 10 34 42 49 11 50 43 35 27 4 12 36 28 20 5 29 21 13 22 6 View flat at a comfortable arm's length Wireline drawing Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 653618 E 285844 N OS reference: Horizontal field of view: 53.5° (planar projection) Camera: Figure: 28.26d Viewpoint 2: Kessingland Beach 6.35 m AOD Eye level: Principal distance 812.5 mm 841 x 297 mm

Direction of view: Nearest turbine:

38.287 km

Paper size: Correct printed image size: 820 x 260 mm Camera height: Date and time:

1.5 m AGL 12/09/17, 12:04



653618 E 285844 N 6.35 m AOD 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: Lens: Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17, 12:04

Figure: 28.26e Viewpoint 2: Kessingland Beach



653618 E 285844 N 6.35 m AOD 38.287 km

Principal distance Paper size:

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

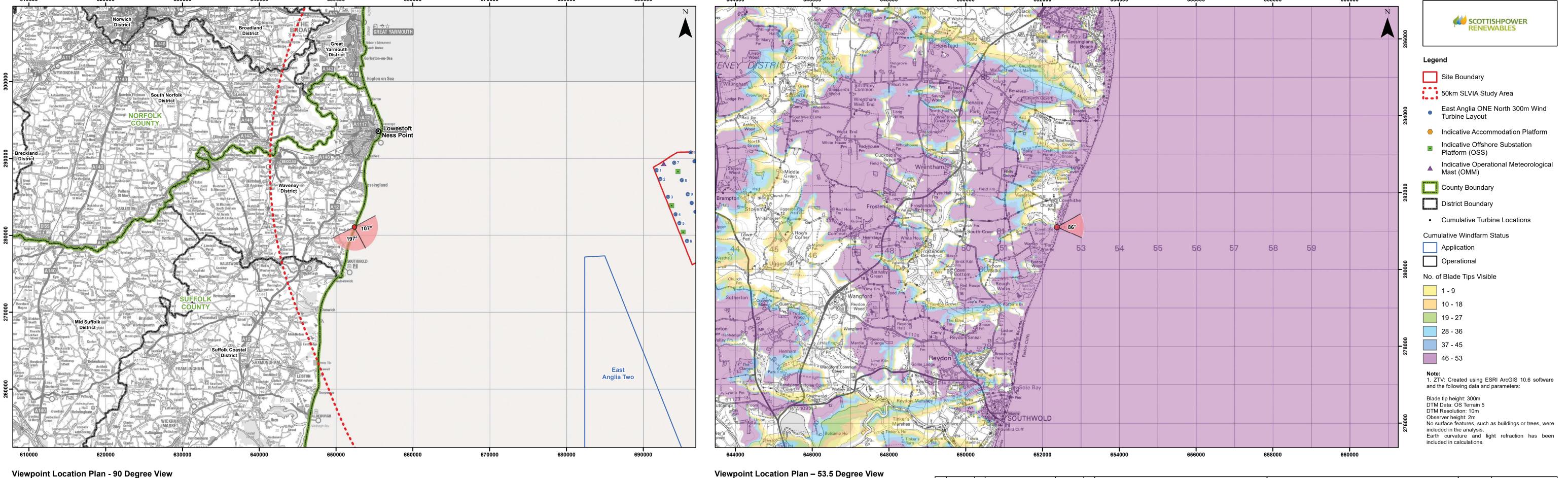
Camera: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

Scale: 1:50,000

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East Anglia ONE North 3 16/01/2019 TH Update Document Reference Prepared: TH

Checked: SM

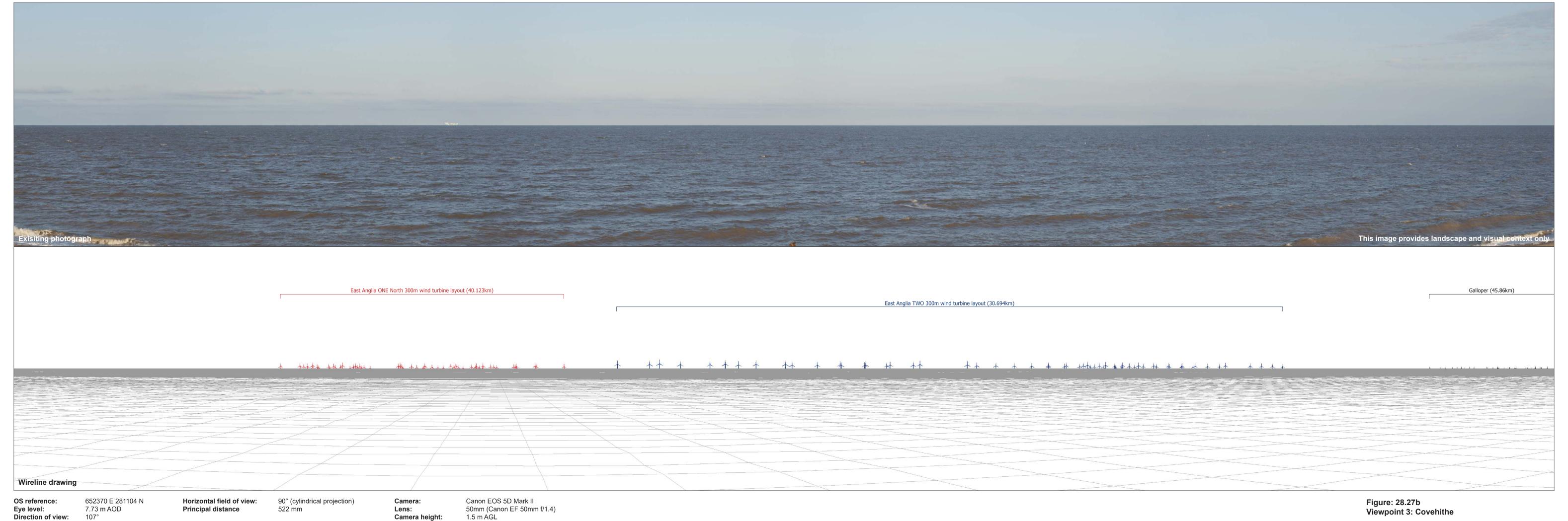
Approved: LT

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Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 Date 16/01/19 Projection: Zone 31N Figure 28.27a



40.123 km

1.5 m AGL 12/07/18 18:37



Greater Gabbard (46.44km)

Galloper (45.86km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

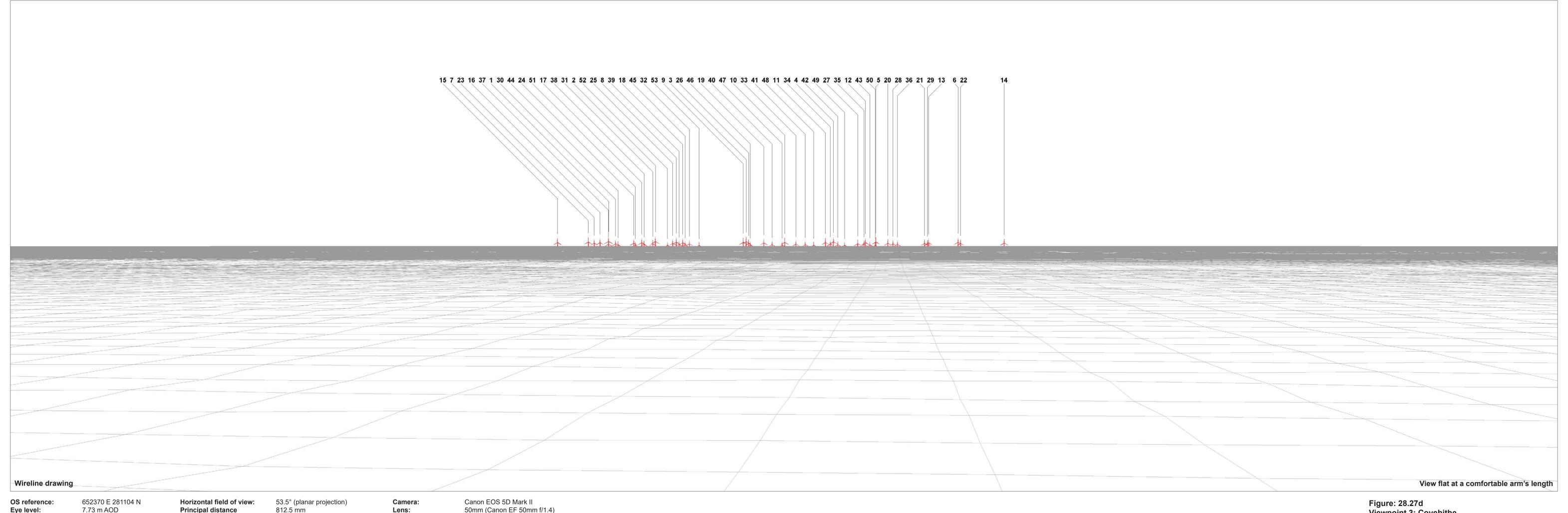
652370 E 281104 N 7.73 m AOD 40.123 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

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

Figure: 28.27c Viewpoint 3: Covehithe



Eye level: Direction of view: Nearest turbine:

7.73 m AOD 40.123 km

Principal distance Paper size: Correct printed image size: 820 x 260 mm

812.5 mm 841 x 297 mm

Lens: Camera height: Date and time:

50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/07/18 18:37

Figure: 28.27d Viewpoint 3: Covehithe



652370 E 281104 N 7.73 m AOD 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: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/07/18 18:37

Figure: 28.27e Viewpoint 3: Covehithe



40.123 km

Camera height:

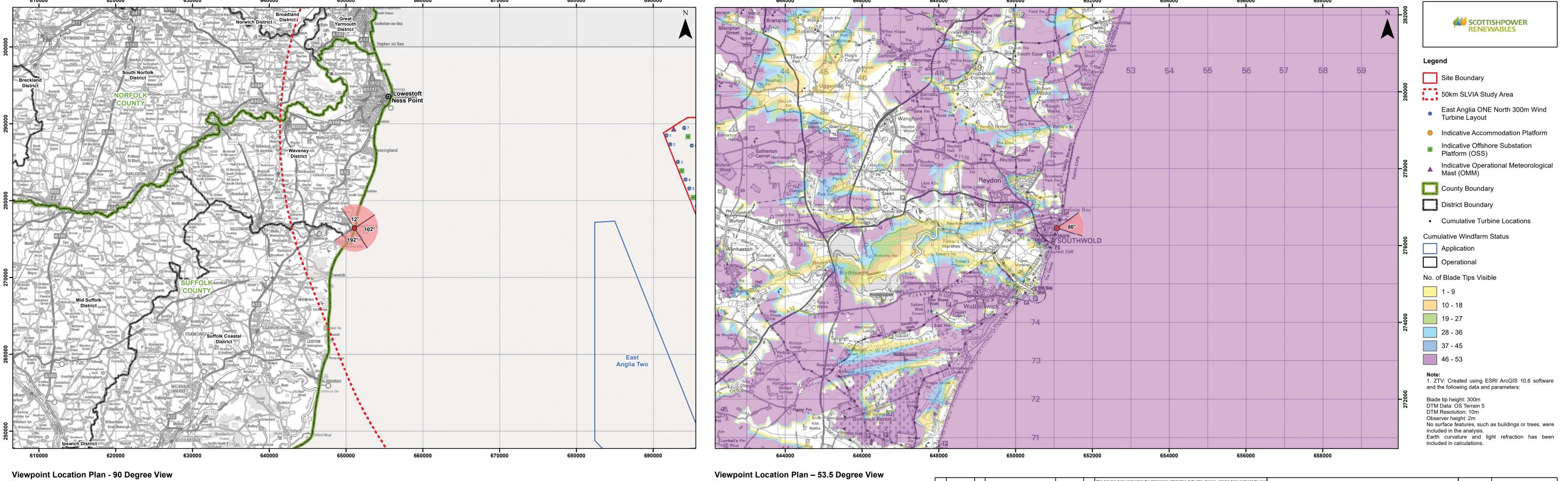
1.5 m AGL 12/07/18 18:37



39.843 km

Camera height: Date and time:

1.5 m AGL 12/07/18 18:37



Scale: 1:350,000

Scale: 1:50,000

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	2	08/01/2019	TH	Layout Update	Prepared:		Please consult with the SPR Offshore GIS team to ensure the content is still current before using the informatic contained on this map. To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, tort (includin
	1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM	negligence) or otherwise in respect of any errors or omissions in the information contained in the map and shall n be liable for any loss, damage or expense caused by such errors or omissions. © Crown Copyright and SeaZone Solutions Limited. All rights reserved. Product Licence No. 082010.001. The
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East Anglia ONE North
Viewpoint: 4

Southwold

 Doc Ref
 EA1N-DEVWF-ENV-REP-IBR-000297

 Rev
 3
 Datum: WGS 1984 Projection: Zone 31N

 Figure
 28.28a



Scroby Sands (34.06m)

Lowestoft Ness Point (17.67km)

Wireline drawing

OS reference: Direction of view: Nearest turbine:

651072 E 276454 N 11.07 m AOD 42.470 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) Camera height: 1.5 m AGL 12/09/17, 11:04

Figure: 28.28b
Viewpoint 4: Southwold



42.470 km

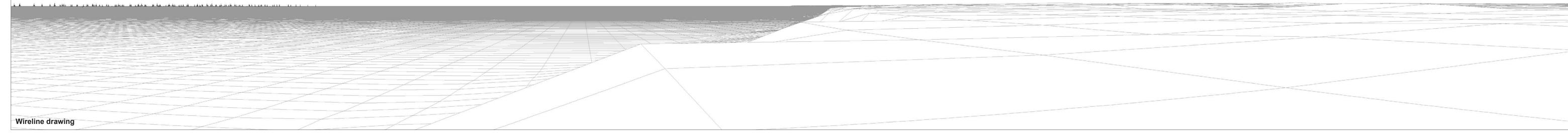
Camera height:

1.5 m AGL 12/07/18, 17:36



Greater Gabbard (42.69km)

Galloper (42.49km)

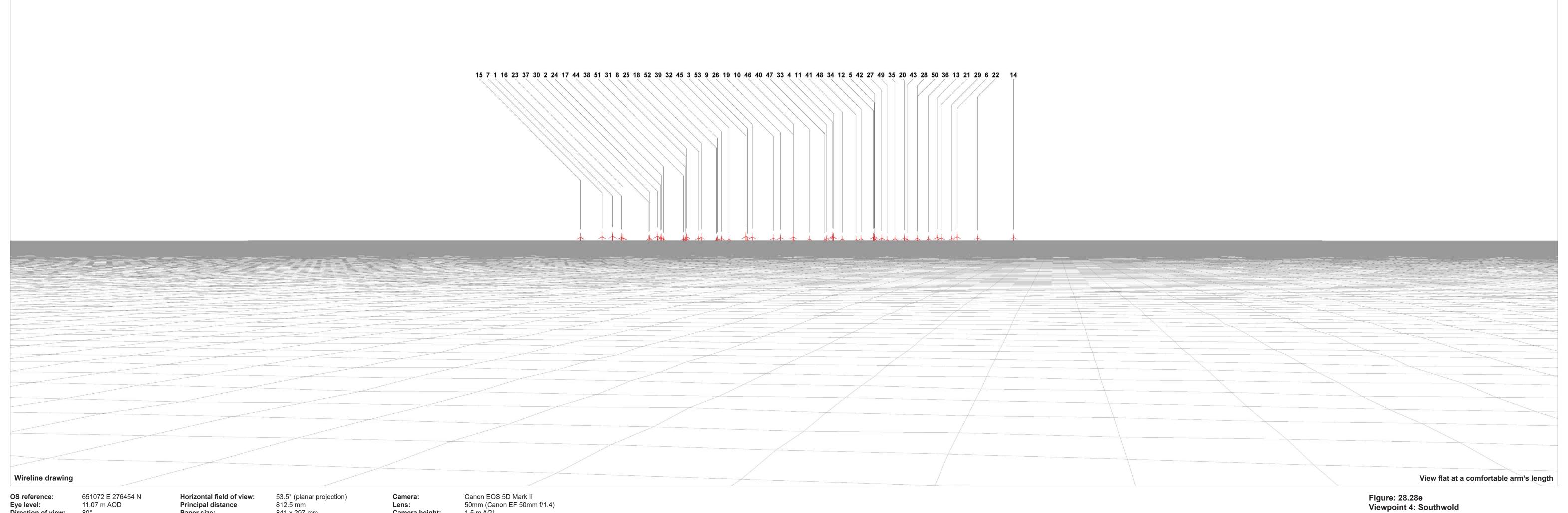


OS reference: Eye level: Direction of view: Nearest turbine:

651072 E 276454 N 11.07 m AOD of view: 192° urbine: 42.470 km Horizontal field of view: Principal distance 90° (cylindrical projection) 522 mm Camera: Lens: Camera height:

Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/07/18, 17:36 Figure: 28.28d Viewpoint 4: Southwold



Direction of view: 80° Nearest turbine: 42.47

42.470 km

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

Camera height: Date and time:

1.5 m AGL 12/07/18, 17:36



651072 E 276454 N 11.07 m AOD

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: Lens: Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/07/18, 17:36

Figure: 28.28f Viewpoint 4: Southwold



651072 E 276454 N 11.07 m AOD 42.470 km

Principal distance Paper size:

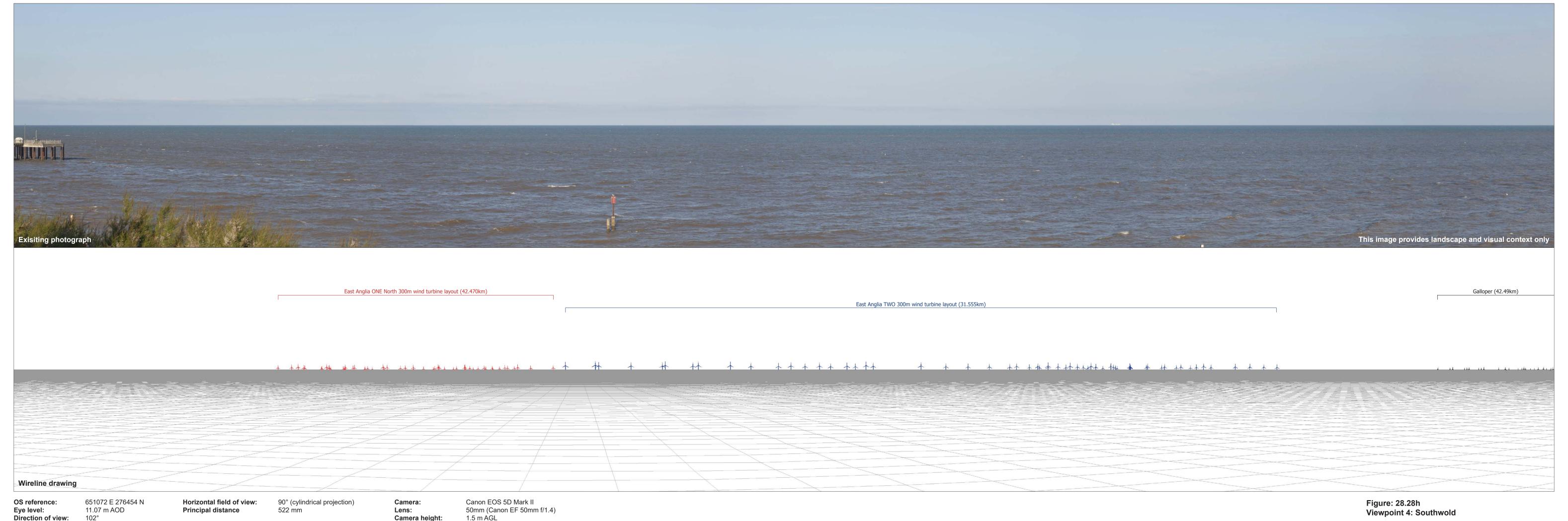
Horizontal field of view: 53.5° (planar projection) 812.5 mm 841 x 297 mm Correct printed image size: 820 x 260 mm

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL Camera height: 17/09/17, 18:42 Date and time:

Lens:

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.

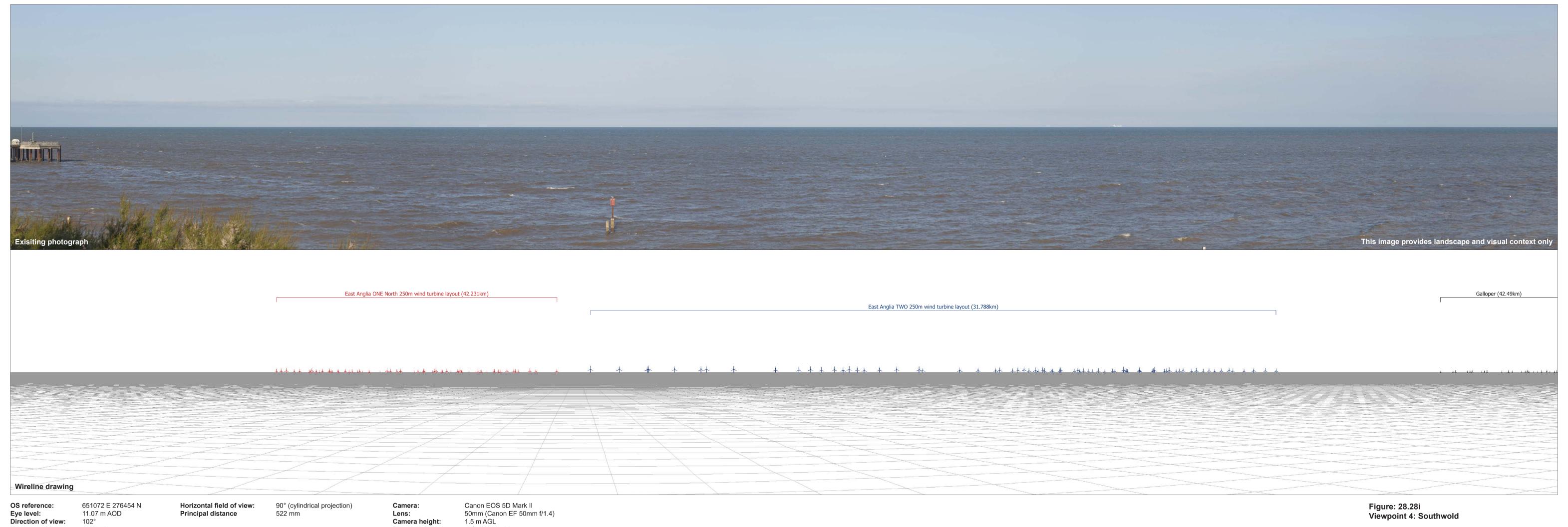
Figure: 28.28g Viewpoint 4: Southwold



42.470 km

Camera height:

12/07/18, 17:36

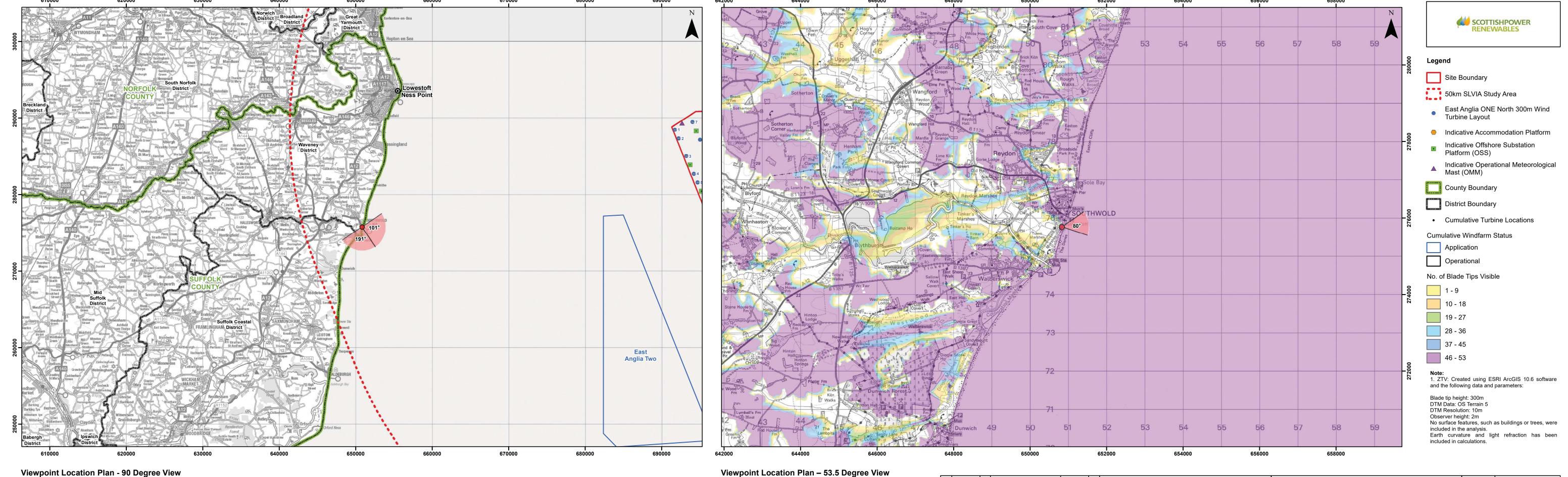


Nearest turbine:

42.231 km

Date and time:

12/07/18, 17:36



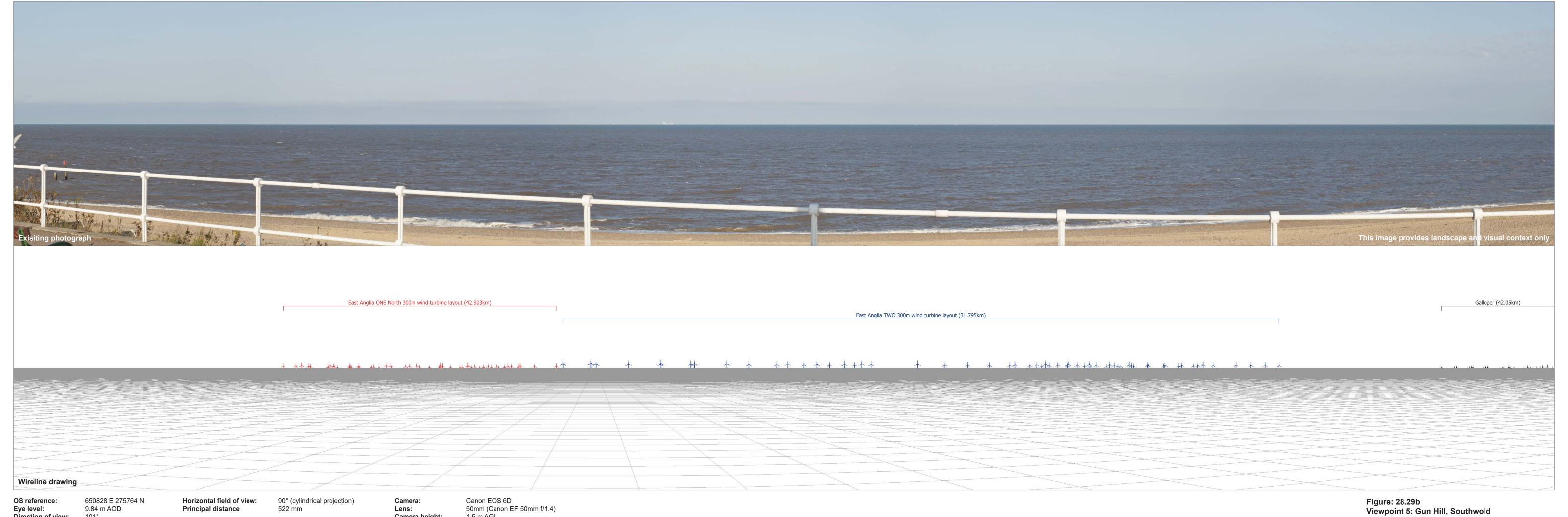
Scale: 1:350,000

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

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	3	16/01/2019	ТН	Update Document Reference			This map has been produced to the latest known information at the time of issue, and has been produced for your information only. Please consult with the SPR Offshore GIS team to ensure the content is still current before using the information	East Anglia ON
	2	08/01/2019	ТН	Layout Update	Prepared:		contained on this map. To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, tort (including	
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ſ	Rev	Date	Вv	Comment	Approved:	LT		 ,

ed for your	- 44 11 011-11 41
information	East Anglia ONE North
(including nd shall not	Viewpoint: 5

Doc Ref	EA1N-DEVWF-EN	V-REP-IBR-00029		
Rev	3	Datum:		
Date	16/01/19	WGS 1984 Projection:		
Figure	28.29a	Zone 31N		



42.903 km

Camera height:

Date and time:

1.5 m AGL 12/07/18, 18:02



Greater Gabbard (42.17km)

Galloper (42.05km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

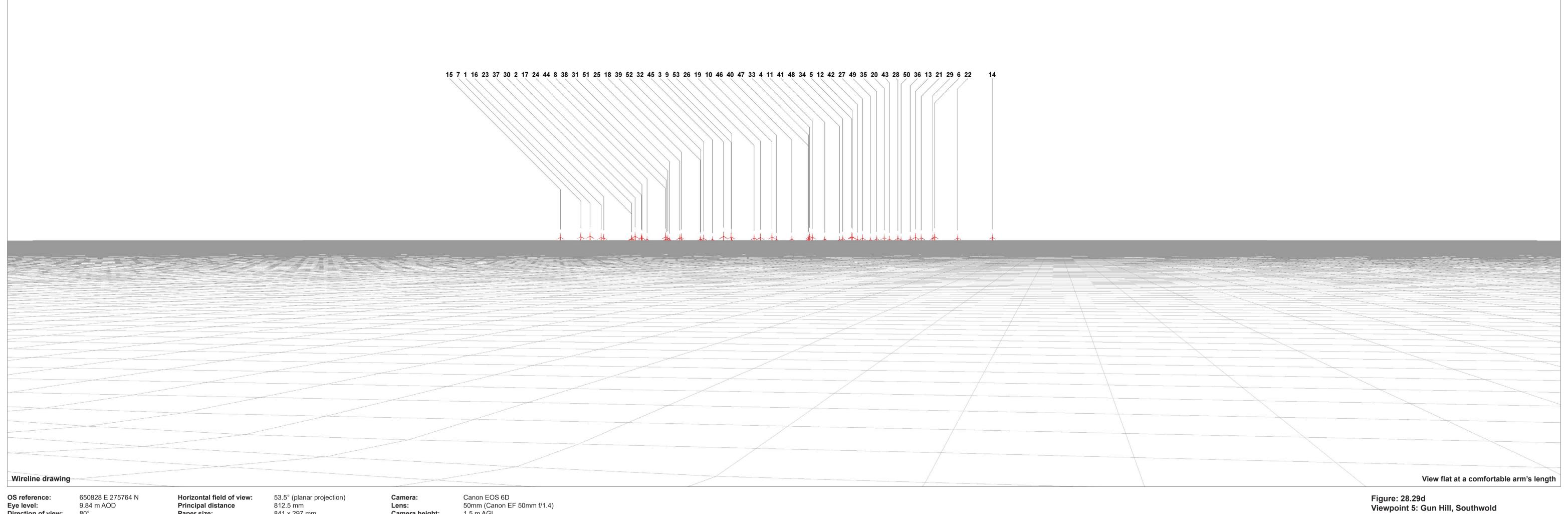
650828 E 275764 N 9.84 m AOD 191° 42.903 km

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

Date and time:

Canon EOS 6D 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/07/18, 18:02

Figure: 28.29c Viewpoint 5: Gun Hill, Southwold



Eye level: Direction of view: Nearest turbine:

9.84 m AOD 42.903 km

Principal distance Paper size: Correct printed image size: 820 x 260 mm

812.5 mm 841 x 297 mm Camera height: Date and time:

1.5 m AGL 12/07/18, 18:02



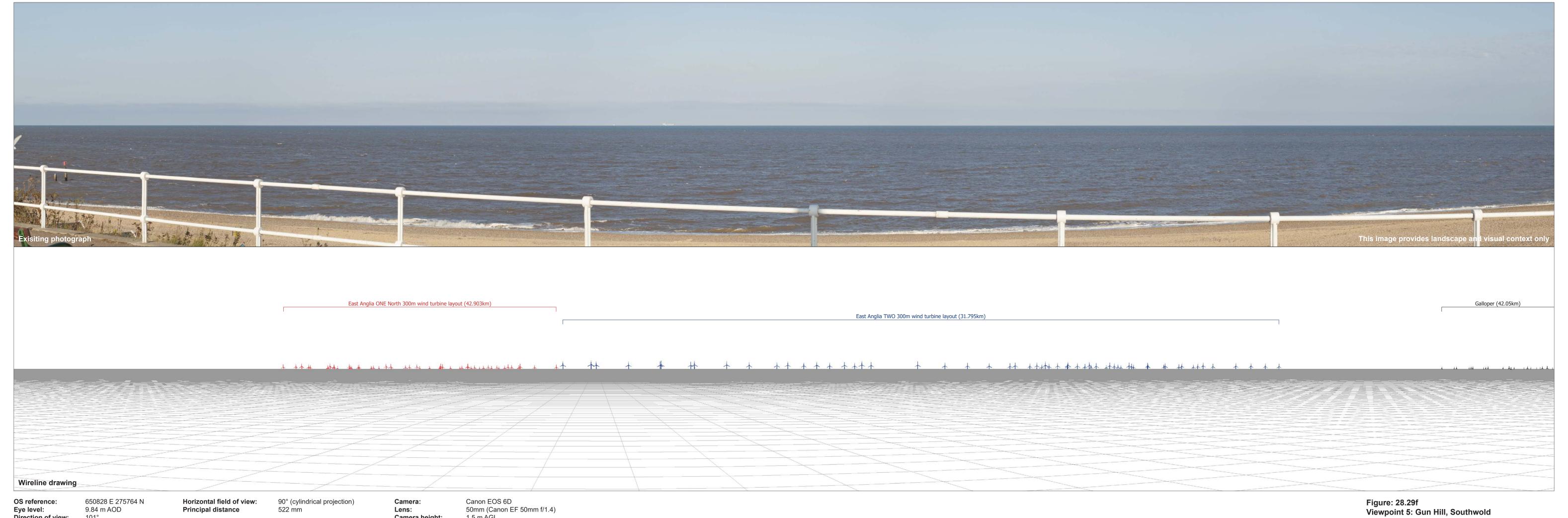
650828 E 275764 N 9.84 m AOD 80° 42.903 km

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: Lens: Camera height: Date and time:

Canon EOS 6D 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/07/18, 18:02

Figure: 28.29e Viewpoint 5: Gun Hill, Southwold

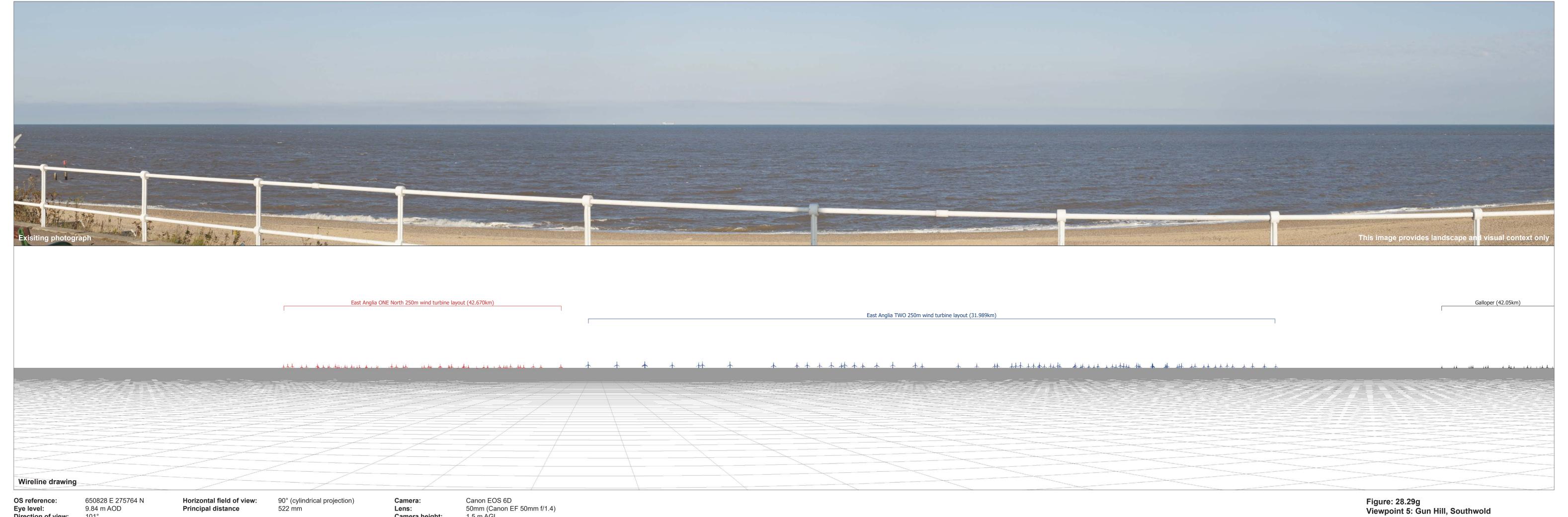


42.903 km

Camera height:

Date and time:

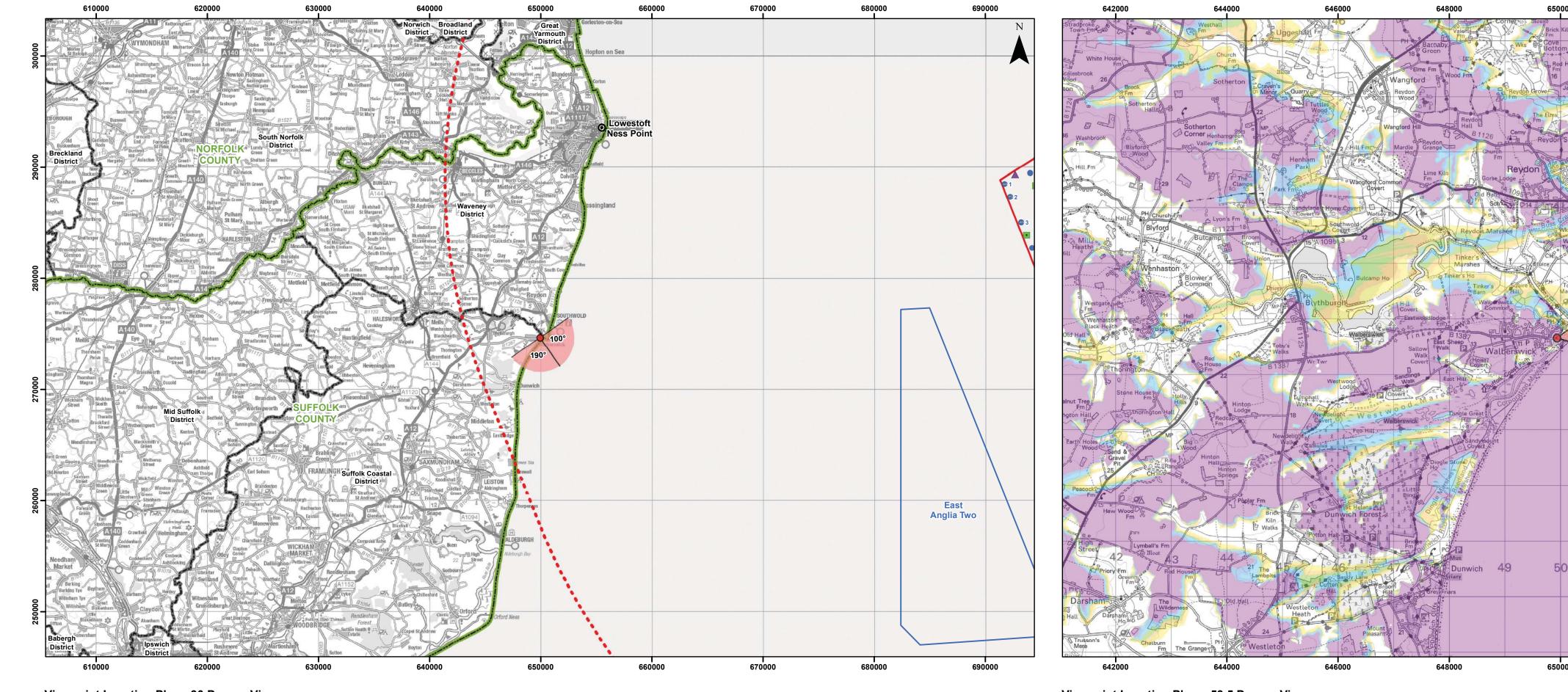
1.5 m AGL 12/07/18, 18:02



42.670 km

Camera height:

1.5 m AGL 12/07/18, 18:02



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

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

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East Anglia ONE North 3 16/01/2019 TH Update Document Reference Prepared: TH

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UTHWOLD

Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 Date 16/01/19 Projection: Zone 31N Figure 28.30a

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software

No surface features, such as buildings or trees, were

Earth curvature and light refraction has been included in calculations.

and the following data and parameters:

Blade tip height: 300m DTM Data: OS Terrain 5 DTM Resolution: 10m Observer height: 2m

included in the analysis.

SCOTTISHPOWER RENEWABLES

East Anglia ONE North 300m Wind Turbine Layout

Indicative Accommodation Platform

Indicative Operational Meteorological Mast (OMM)

Indicative Offshore Substation Platform (OSS)

Cumulative Turbine Locations

Site Boundary

County Boundary

District Boundary

Application

Operational

1 - 9

19 - 27

37 - 45

46 - 53

No. of Blade Tips Visible

Cumulative Windfarm Status

50km SLVIA Study Area



East Anglia ONE North 300m wind turbine layout (44.089km)

East Anglia TWO 300m wind turbine layout (32.711km)

Galloper (41.63km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

649936 E 274658 N 3.89 m AOD 44.089 km

Horizontal field of view: Principal distance

90° (cylindrical projection)

Camera: Camera height:

Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 17:58

Figure: 28.30b Viewpoint 6: Walberswick



Galloper (41.63km)

Greater Gabbard (41.59km)

Wireline drawing

OS reference: Eye level: Direction of view:

Nearest turbine:

649936 E 274658 N 3.89 m AOD 44.089 km

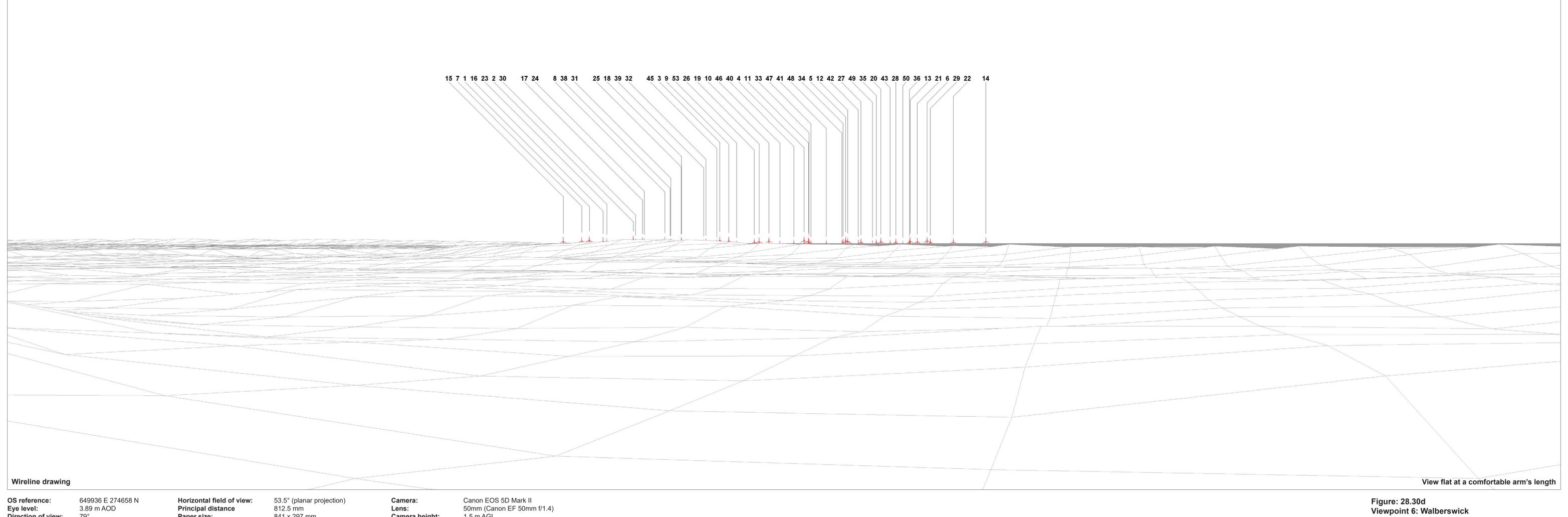
Horizontal field of view: Principal distance

90° (cylindrical projection)

Camera: Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 17:58

Figure: 28.30C Viewpoint 6: Walberswick



Eye level: 3.89 Direction of view: 79° Nearest turbine:

44.089 km

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

Camera height: Date and time:

1.5 m AGL 13/07/18, 17:58



OS reference: Eye level: Direction of view: Nearest turbine:

649936 E 274658 N 3.89 m AOD 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: Lens:

Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 17:58

Figure: 28.30e Viewpoint 6: Walberswick



East Anglia TWO 300m wind turbine layout (32.711km)

OS reference: Eye level: Direction of view: Nearest turbine:

Wireline drawing

649936 E 274658 N 3.89 m AOD 44.089 km

Horizontal field of view: Principal distance

90° (cylindrical projection)

Camera: Camera height:

Date and time:

East Anglia ONE North 300m wind turbine layout (44.089km)

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 17:58

Figure: 28.30f Viewpoint 6: Walberswick



East Anglia TWO 250m wind turbine layout (32.845km)

Wireline drawing

OS reference: Eye level: Direction of view:

Nearest turbine:

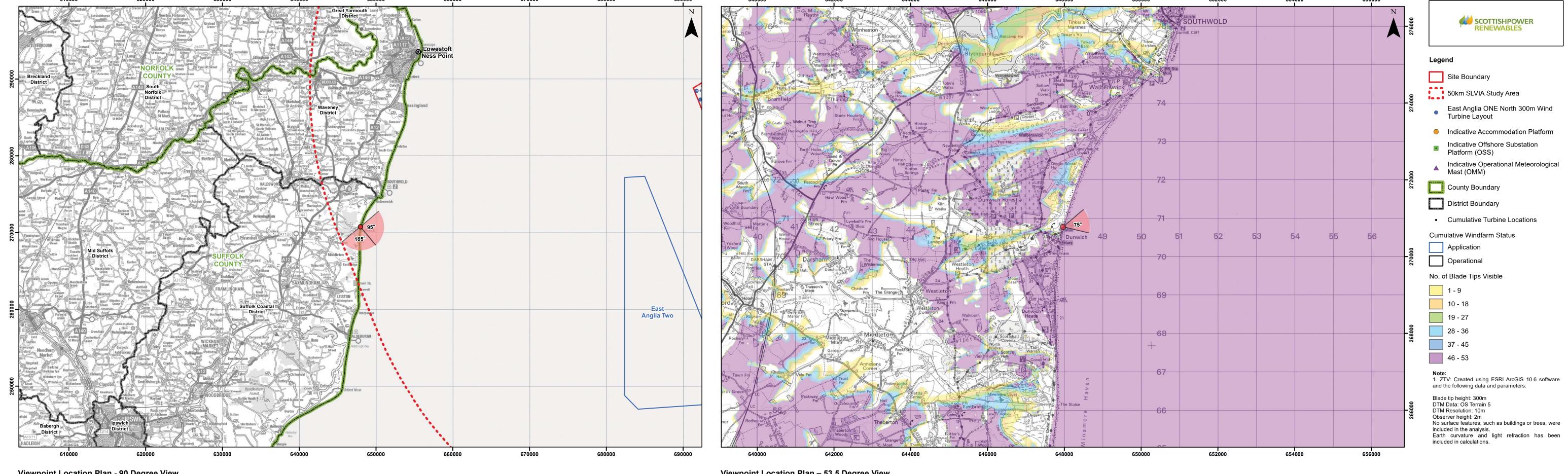
649936 E 274658 N 3.89 m AOD 100° 43.863 km Horizontal field of view: Principal distance

90° (cylindrical projection)

Camera: Lens: Camera height:

Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

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East Anglia ONE North 3 16/01/2019 TH Update Document Reference Prepared: TH

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Viewpoint: 7

Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 Date 16/01/19 Projection: Zone 31N Figure 28.31a



Direction of view: Nearest turbine:

47.278 km

Camera height:

1.5 m AGL 13/07/18, 18:23 Date and time:



Galloper (39.78km)

Greater Gabbard (39.25km)

Wireline drawing

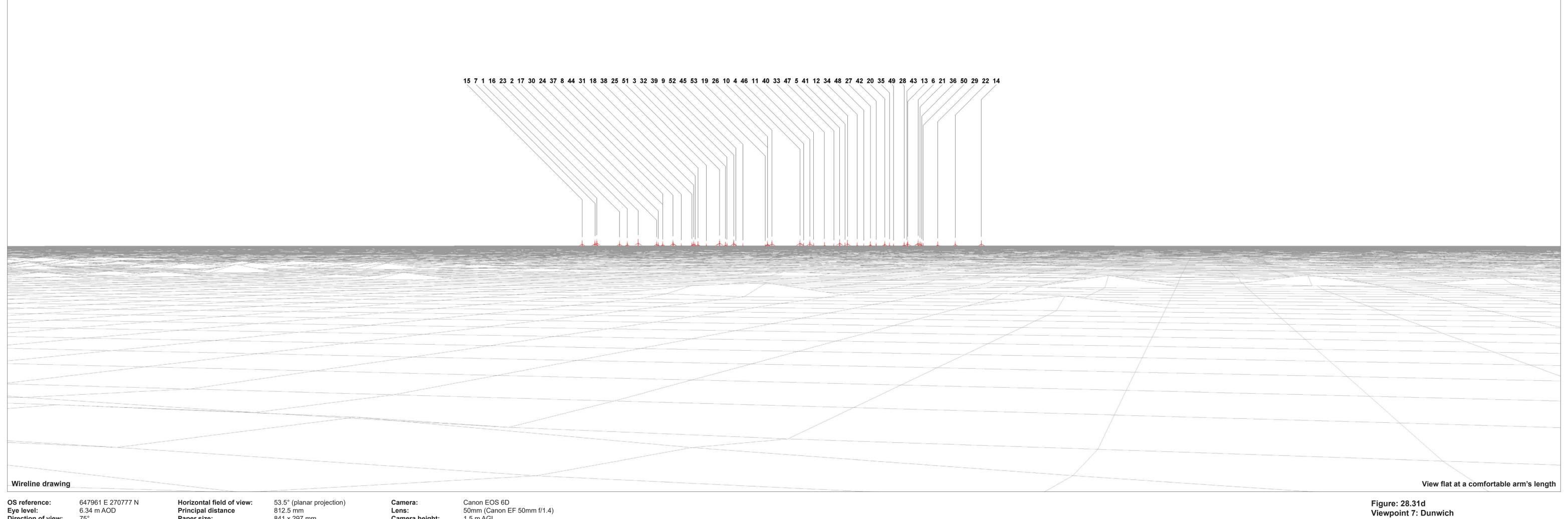
OS reference: Eye level: Direction of view: Nearest turbine:

647961 E 270777 N 6.34 m AOD 7: 185° 47.278 km

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

Date and time:

Canon EOS 6D 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 18:23 Figure: 28.31c Viewpoint 7: Dunwich



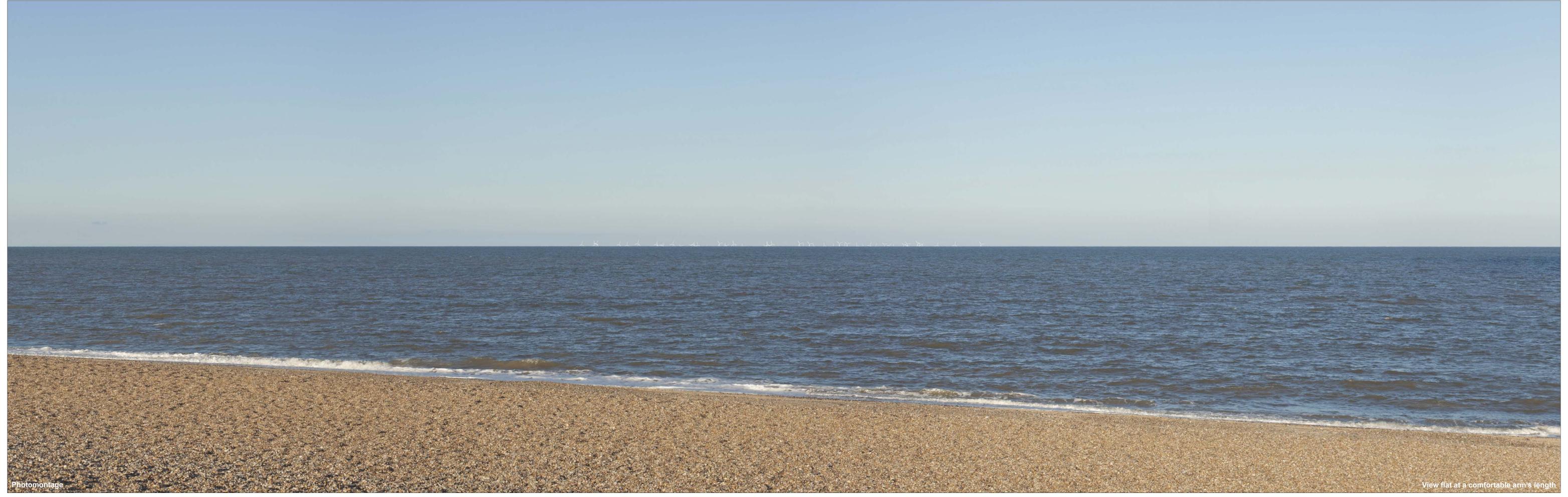
Direction of view: Nearest turbine:

47.278 km

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

Camera height: Date and time: 1.5 m AGL 13/07/18, 18:23



OS reference: Eye level: Direction of view: Nearest turbine:

647961 E 270777 N 6.34 m AOD

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: Lens: Camera height: Date and time:

Canon EOS 6D 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 18:23

Figure: 28.31e Viewpoint 7: Dunwich



Direction of view: Nearest turbine:

47.278 km

Camera height:

1.5 m AGL

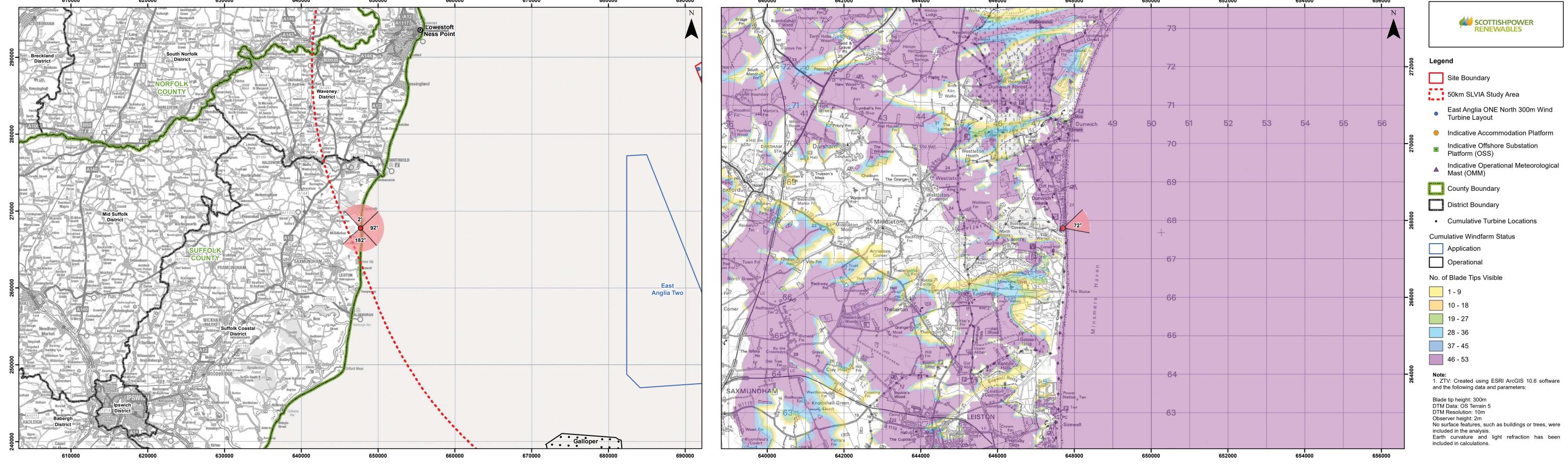
13/07/18, 18:23 Date and time:



Direction of view: Nearest turbine: 47.060 km

Camera height:

1.5 m AGL 13/07/18, 18:23 Date and time:



Viewpoint Location Plan - 90 Degree View

Scale: 1:350,000

Viewpoint Location Plan – 53.5 Degree View

Scale: 1:50,000

1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM	negligence) or otherwise in respect of any errors or omissions in the information contained in the map and shall not be liable for any loss, damage or expense caused by such errors or omissions. On the control of the Majesty's Stationery Office and UK Hydrographic Office. NOT TO BE USED FOR NAVIGATION.
2	08/01/2019	ТН	TH Layout Update Prepare			relate contains will the SFR Offshore GIS learn to ensure the content is suit current before using the information contained on this map. To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, tort (including
3	16/01/2019	TH	Update Document Reference			This map has been produced to the latest known information at the time of issue, and has been produced for you information only. Please consult with the SPR Offshore GIS team to ensure the content is still current before using the information.

r n	East Anglia ONE North
t	Viewpoint: 8

ur	East Anglia ONE North	Doc Ref	Doc Ref EA1N-DEVWF-ENV-REP-IBR-0002			
	Viewpoint: 8	Rev	3	Datum:		
	Dunwich Heath & Beach (Coastguard Cottages)	Date	16/01/19	WGS 1984 Projection:		
ic	(3 ,	Figure	28.32a	Zone 31N		



Scroby Sands (43.14km)

Lowestoft Ness Point (26.91km)

Wireline drawing

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

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera: Camera height:

Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 18:42

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



East Anglia TWO 300m wind turbine layout (35.551km)

Galloper (37.75km)

Wireline drawing

OS reference: Eye level: Direction of view:

647700 E 267801 N 18.28 m AOD 48.682 km Nearest turbine:

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

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

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



Galloper (37.75km)

Greater Gabbard (36.94km)

Wireline drawing

OS reference:

647700 E 267801 N 18.28 m AOD Eye level: Direction of view: Nearest turbine:

48.682 km

Horizontal field of view: Principal distance

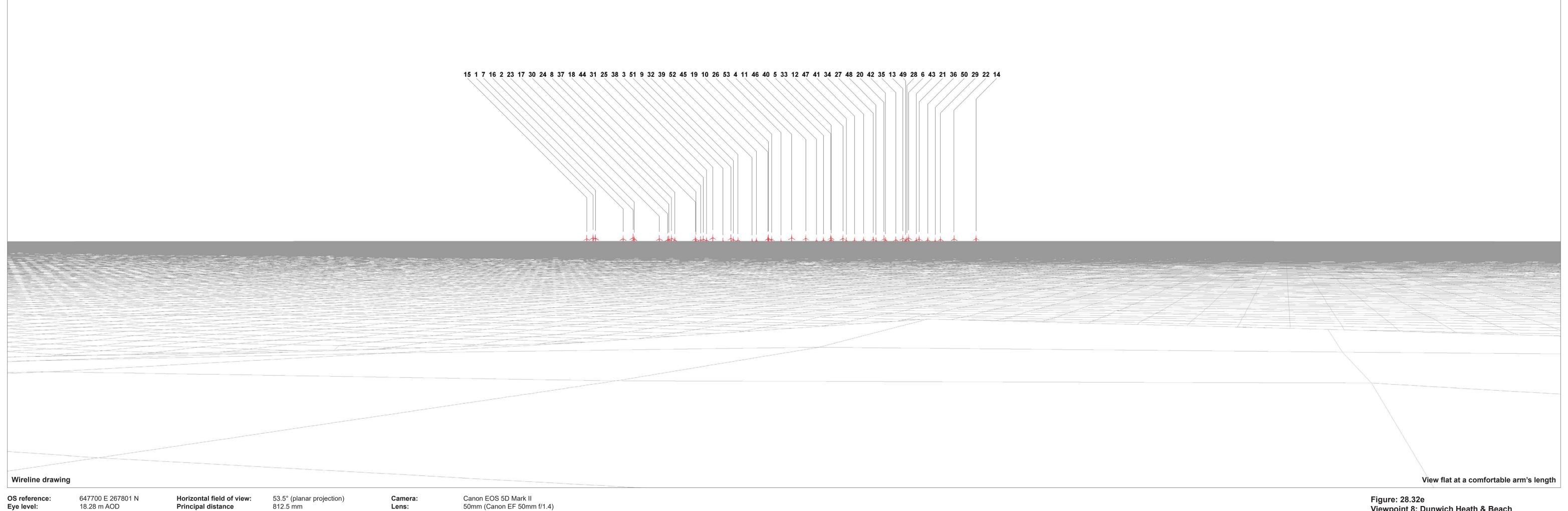
90° (cylindrical projection) 522 mm

Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4)

1.5 m AGL 13/07/18, 18:42

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



Direction of view: Nearest turbine:

48.682 km

Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

Camera height:

1.5 m AGL 13/07/18, 18:42 Figure: 28.32e Viewpoint 8: Dunwich Heath & Beach (Coastguard cottages)



OS reference: Eye level: Direction of view: Nearest turbine:

647700 E 267801 N 18.28 m AOD 72° 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: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 18:42

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



East Anglia TWO 300m wind turbine layout (35.551km)

Galloper (37.75km)

Wireline drawing

OS reference: Eye level:

647700 E 267801 N 18.28 m AOD Direction of view: 48.682 km Nearest turbine:

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

Camera: Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/07/18, 18:42

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



East Anglia TWO 250m wind turbine layout (35.593km)

Galloper (37.75km)

Wireline drawing

OS reference: Eye level:

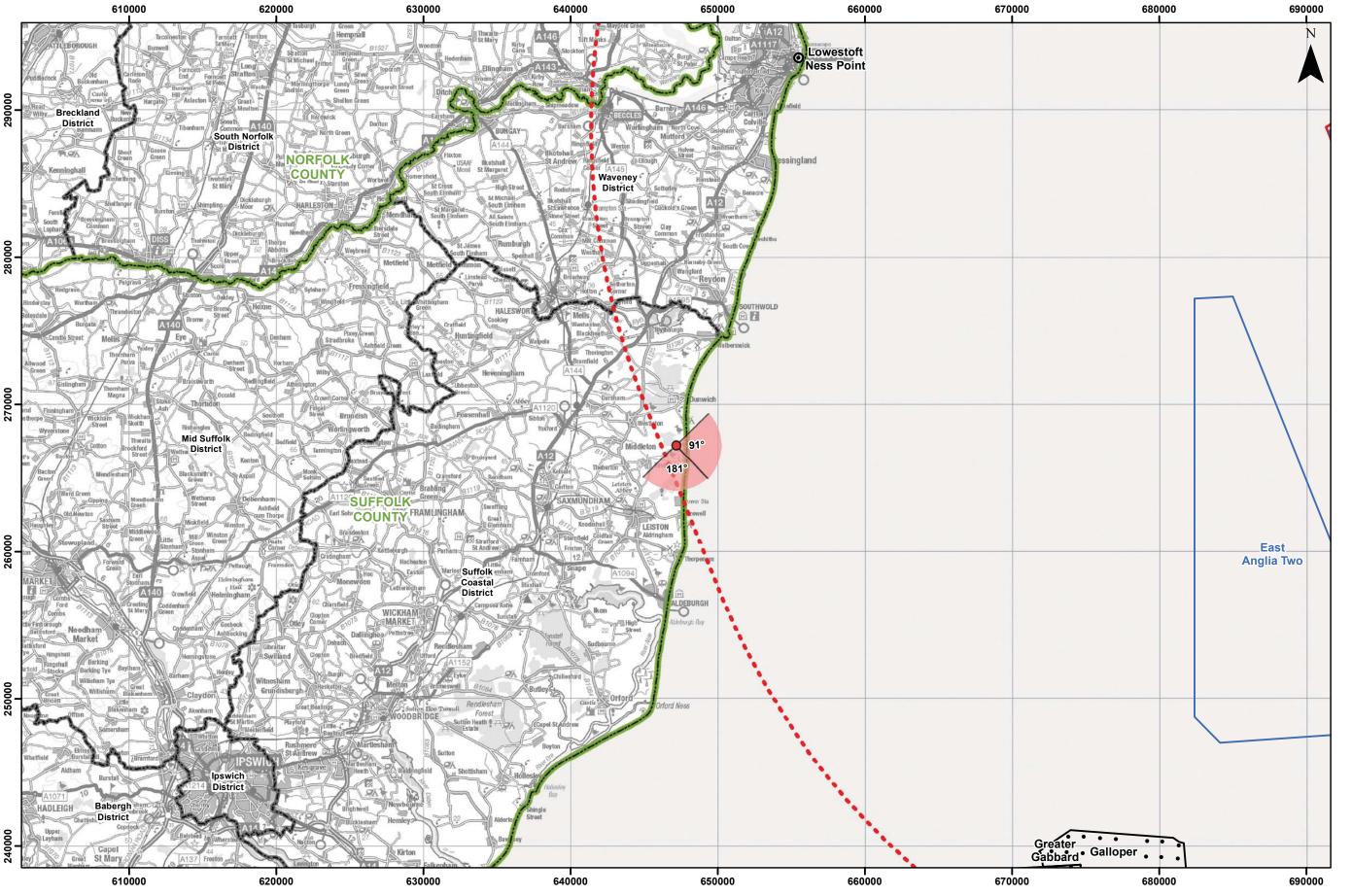
647700 E 267801 N 18.28 m AOD Direction of view: Nearest turbine: 48.495 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

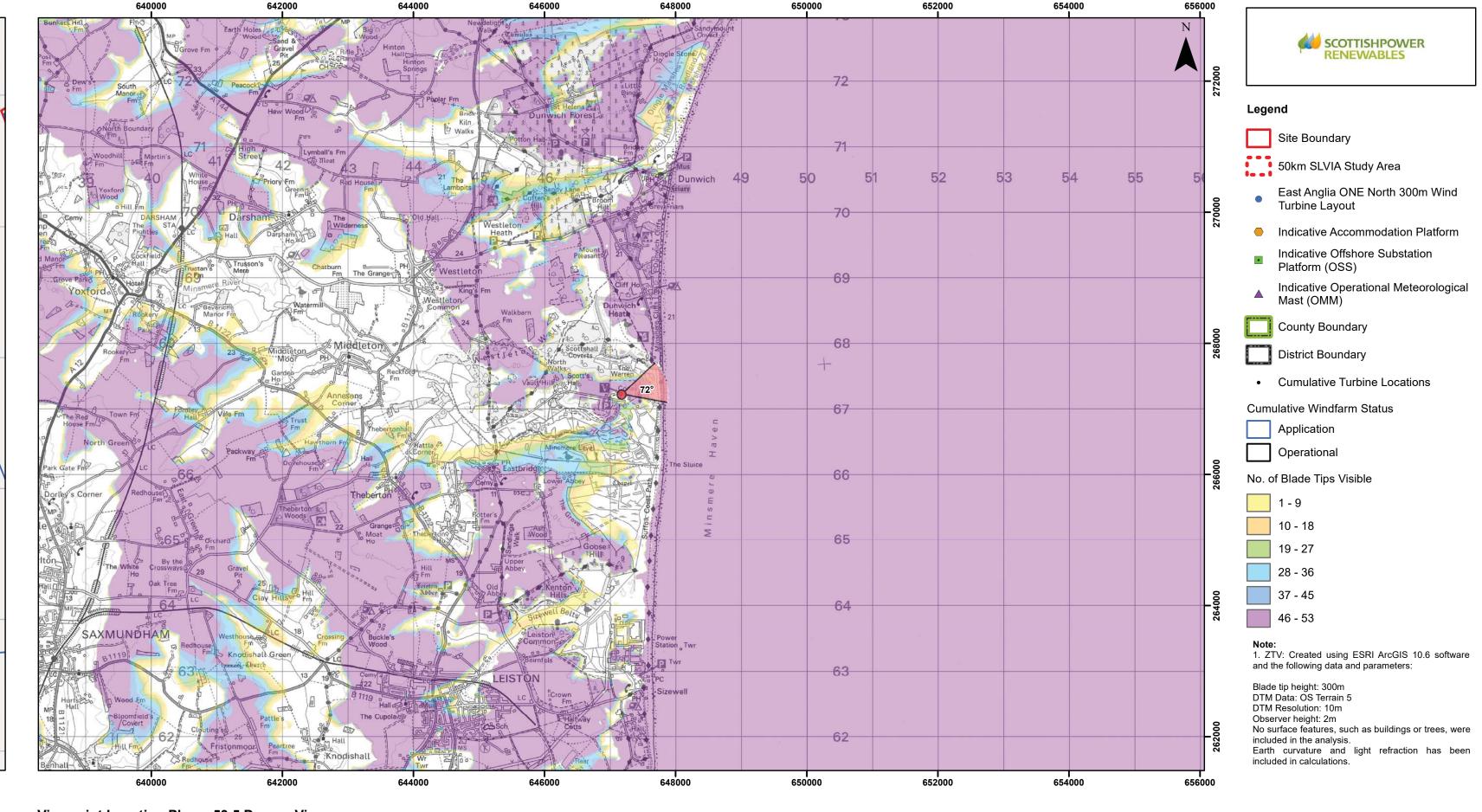
Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) Camera: Camera height: 1.5 m AGL 13/07/18, 18:42

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



Viewpoint Location Plan - 90 Degree View

Scale: 1:350,000



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

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1	12/11/2018	LA	First Issue (OPEN)	Checked:	be liable for any loss, damage or expense caused by such errors or omissions. © Crown Copyright and SeaZone Solutions Limited. All rights reserved. Product Licence No. 082010.001. This
2 08/	08/01/2019	TH	Layout Update	Prepared:	relase consult will use SFN onsince for search in the insure the content is suit current before using the information contained on this map. To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, tort (including negligence) or otherwise in respect of any errors or omissions in the information contained in the map and shall no
3	16/01/2019	TH	Update Document Reference		This map has been produced to the latest known information at the time of issue, and has been produced for you information only. Please consult with the SPR Offshore GIS team to ensure the content is still current before using the information.

r n	East Anglia ONE North
	Viewpoint: 9
8	Minsmere Nature Reserve

Doc Ref	EA1N-DEVWF-ENV-REP-IBR-00			
Rev	3	Datum:		
Date	16/01/19	WGS 1984 Projection:		
Figure	28.33a	Zone 31N		



East Anglia ONE North 300m wind turbine layout (49.398km)

East Anglia TWO 300m wind turbine layout (36.068km)

Galloper (37.71km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

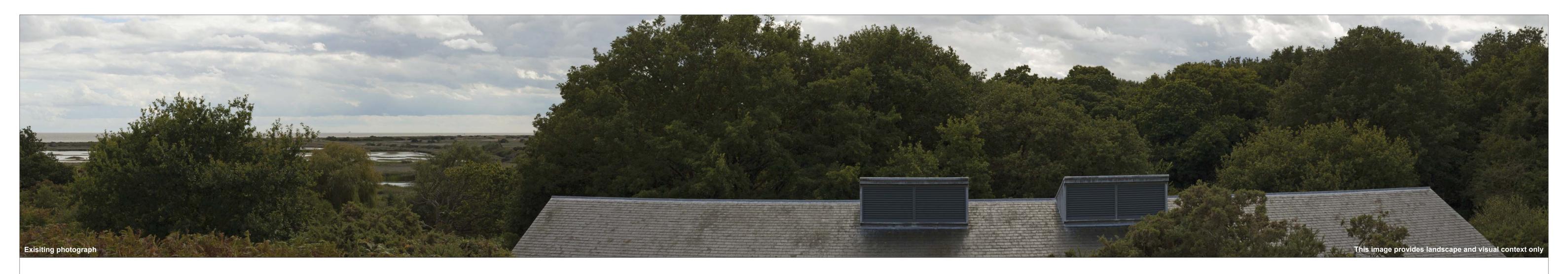
647171 E 267225 N 15.55 m AOD 49.398 km

Horizontal field of view: Principal distance

90° (cylindrical projection)

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

Figure: 28.33b Viewpoint 9: Minsmere Nature Reserve



Galloper (37.71km)

Greater Gabbard (36.77km)

本 L LL . 40. HOLE, 16. 1 A ASB. A ABBA. ABBA. ABBA. ABA. A ABBA. ABA. AB Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

647171 E 267225 N 15.55 m AOD 49.398 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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 View flat at a comfortable arm's length Wireline drawing Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 647171 E 267225 N Horizontal field of view: 53.5° (planar projection) Camera: Figure: 28.33d Viewpoint 9: Minsmere Nature Reserve 15.55 m AOD Principal distance 812.5 mm 1.5 m AGL

Nearest turbine:

Correct printed image size: 820 x 260 mm

841 x 297 mm



OS reference: Eye level: Direction of view: Nearest turbine:

647171 E 267225 N 15.55 m AOD 49.398 km

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

Camera:

Camera height:

Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

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2	08/01/2019	TH	Layout Update	Prepared:	IН	To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, tort (including	\/:
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East Anglia ONE North	
Viewpoint: 10	

Doc Ref	EA1N-DEVWF-EN	V-REP-IBR-000
Rev	3	Datum:
Date	16/01/19	WGS 1984 Projection:
Figure	28.34a	Zone 31N

Note:
1. ZTV: Created using ESRI ArcGIS 10.6 software

No surface features, such as buildings or trees, were

included in the analysis.

Earth curvature and light refraction has been included in calculations.

and the following data and parameters:

Blade tip height: 300m DTM Data: OS Terrain 5 DTM Resolution: 10m Observer height: 2m

SCOTTISHPOWER RENEWABLES

East Anglia ONE North 300m Wind Turbine Layout

Indicative Accommodation Platform

Indicative Operational Meteorological Mast (OMM)

Indicative Offshore Substation Platform (OSS)

Cumulative Turbine Locations

Site Boundary

County Boundary

District Boundary

Application

Operational

1 - 9

10 - 18 19 - 27

37 - 45

46 - 53

No. of Blade Tips Visible

Cumulative Windfarm Status

50km SLVIA Study Area



Lowestoft Ness Point (31.72km)

Wireline drawing

OS reference: 647542 E 262858 N Horizontal field of view: 90° (cylindrical projection)
Eye level: 7.24 m AOD Principal distance 522 mm Lens: 50mm (Canon EF 50mm f/1.4)
Direction of view: 356° Camera height: 1.5 m AGL
Nearest turbine: 50.783 km



Wireline drawing

OS reference: Eye level: Direction of view:

647542 E 262858 N 7.24 m AOD Nearest turbine: 50.783 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Canon EOS 6D Camera: 50mm (Canon EF 50mm f/1.4) Lens: Camera height: 1.5 m AGL 22/08/17, 17:09 Date and time:

Figure: 28.34c Viewpoint 10: Sizewell Beach



Galloper (34.35km)

Greater Gabbard (33.00km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

647542 E 262858 N 7.24 m AOD 176°

50.783 km

Horizontal field of view: Principal distance

of view: 90° (cylindrical projection)
ce 522 mm

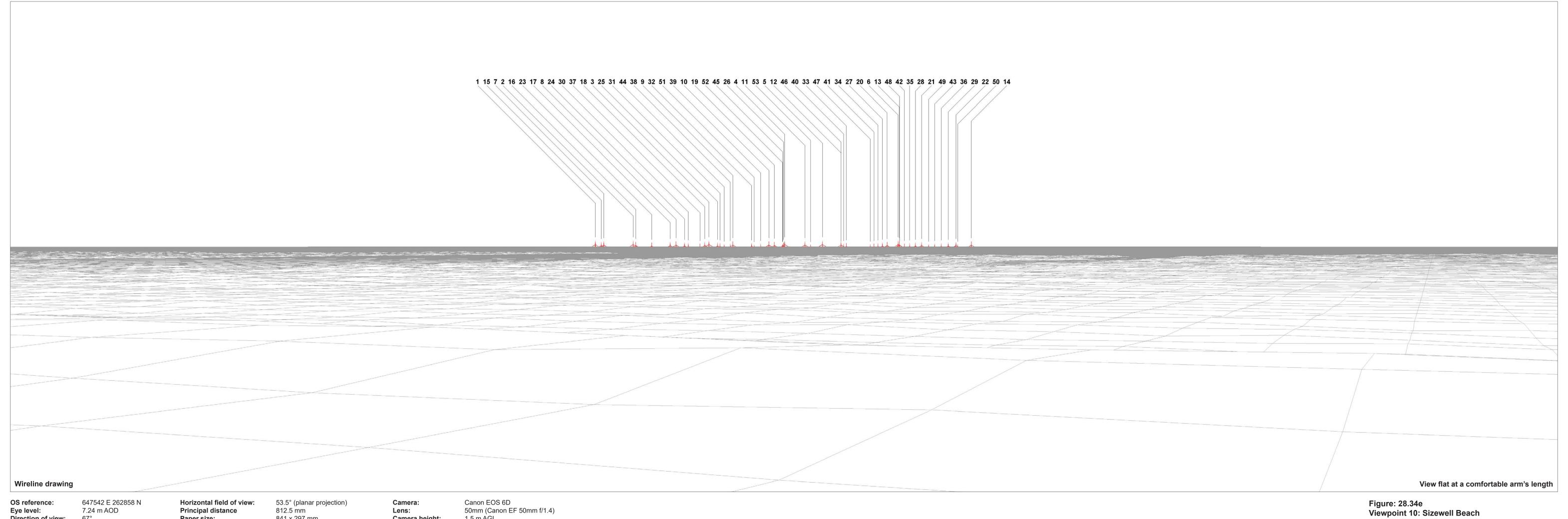
orojection)

Camera:
Lens:
Camera height:

Date and time:

Canon EOS 6D 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 22/08/17, 17:09

Figure: 28.34d Viewpoint 10: Sizewell Beach



Direction of view: Nearest turbine:

50.783 km

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

1.5 m AGL Camera height: 22/08/17, 17:09 Date and time:



OS reference: Eye level: Direction of view: Nearest turbine:

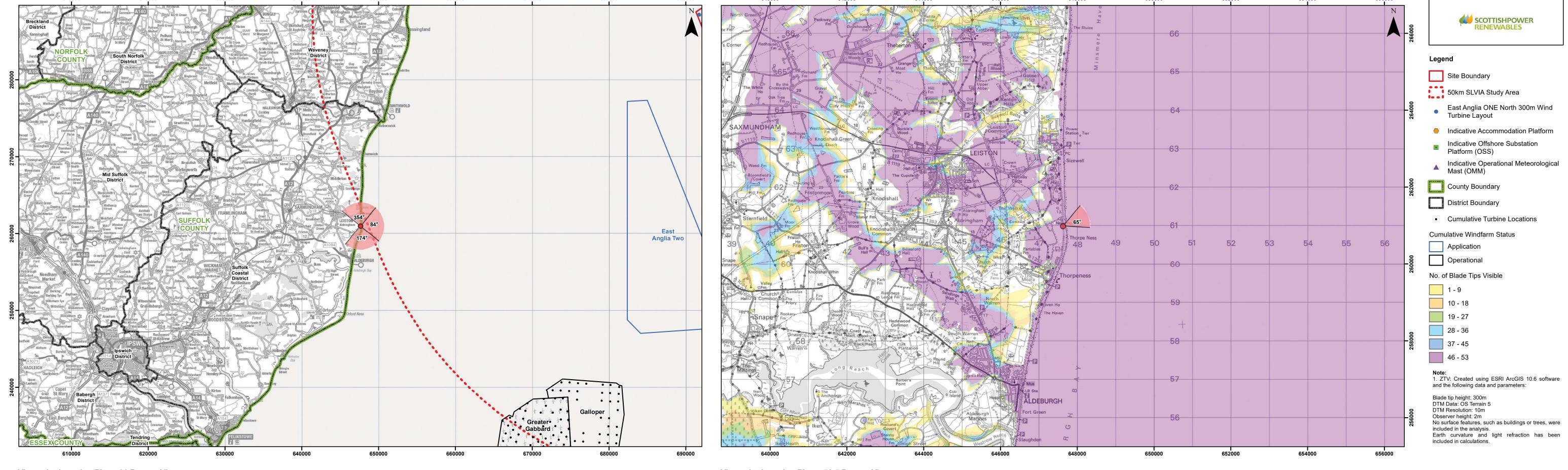
647542 E 262858 N 7.24 m AOD 50.783 km

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: Lens: Camera height: Date and time:

Canon EOS 6D 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 22/08/17, 17:09

Figure: 28.34f Viewpoint 10: Sizewell Beach



Viewpoint Location Plan - 90 Degree View

Scale: 1:350,000

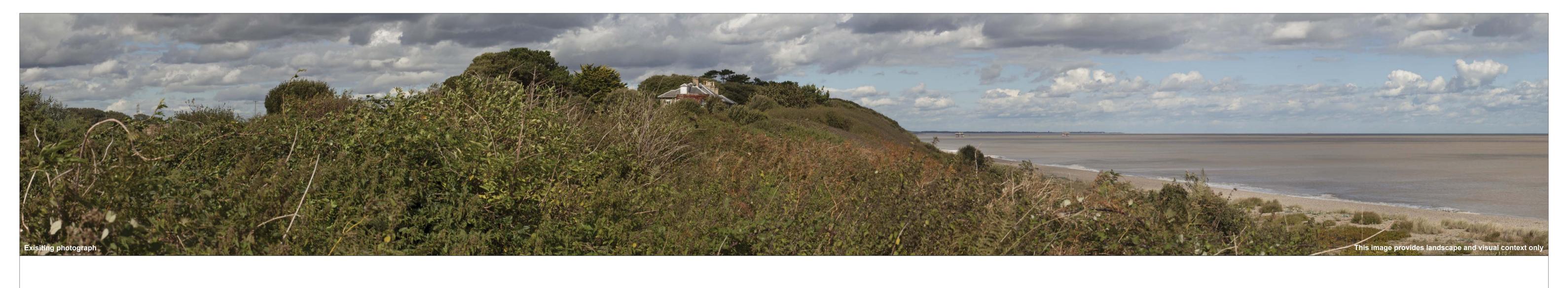
Viewpoint Location Plan – 53.5 Degree View

Scale: 1:50,000

3	16/01/2019	тн	Update Document Reference			This map has been produced to the latest known information at the time of issue, and has been produced for yo information only. Please consult with the SPR Offshore GIS team to ensure the content is still current before using the information.
2	08/01/2019	TH	Layout Update	Prepared:	epared: TH contained on this map. To the fullest extent permitted by law, we accept no responsibility	
1	12/11/2018	LA	First Issue (OPEN)	Checked:	SM	be liable for any loss, damage or expense caused by such errors or omissions. © Crown Copyright and SeaZone Solutions Limited. All rights reserved. Product Licence No. 082010.001. Thi
Rev	Date	Ву	Comment	Approved:	LT	product has been derived in part from material obtained from theUK Hydrographic Office with he permission of th Controller of Her Majesty's Stationery Office and UK HydrographicOffice. NOT TO BE USED FOR NAYGRION. Contains Ordnance Survey digital data © Crown copyright, All rights reserved 2018 Licence number 0100031673.

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

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Lowestoft Ness Point (33.51km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

647624 E 260987 N 11.34 m AOD 51.447 km

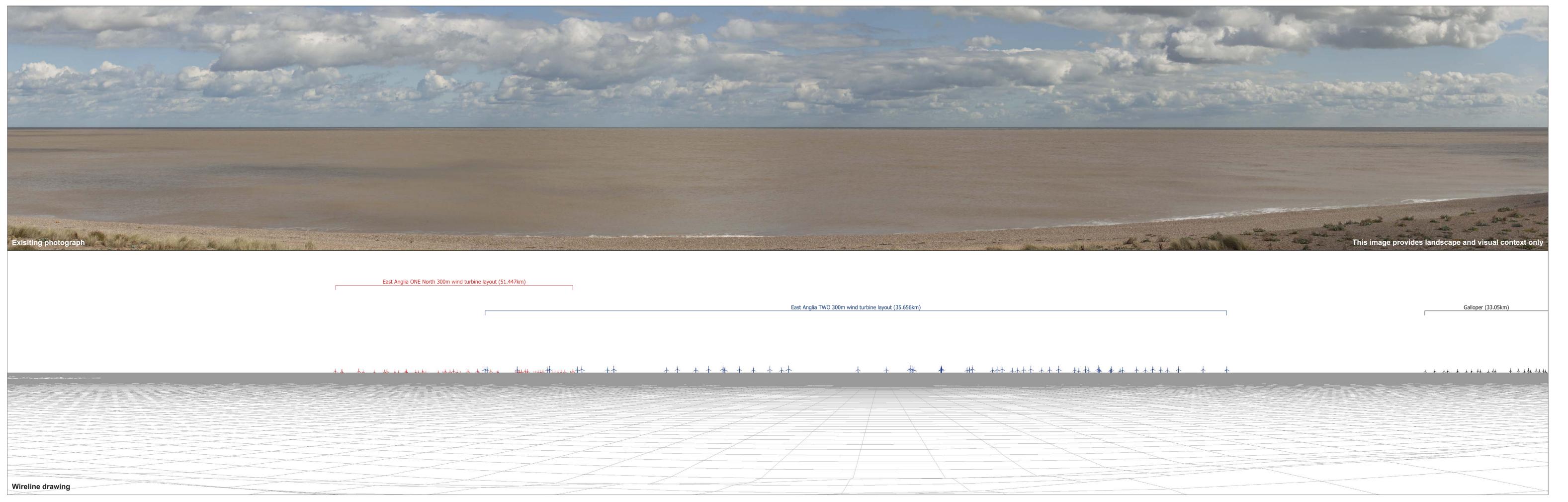
Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/09/17, 12:05

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



OS reference:
Eye level:
Direction of view:
Nearest turbine:

647624 E 260987 N 11.34 m AOD of view: 84° rbine: 51.447 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm Camera: Lens: Camera height: Date and time: Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/09/17, 12:05

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



Galloper (33.05km)

Greater Gabbard (31.43km)

Wireline drawing

OS reference: Eye level:

647624 E 260987 N 11.34 m AOD Direction of view: Nearest turbine: 51.447 km

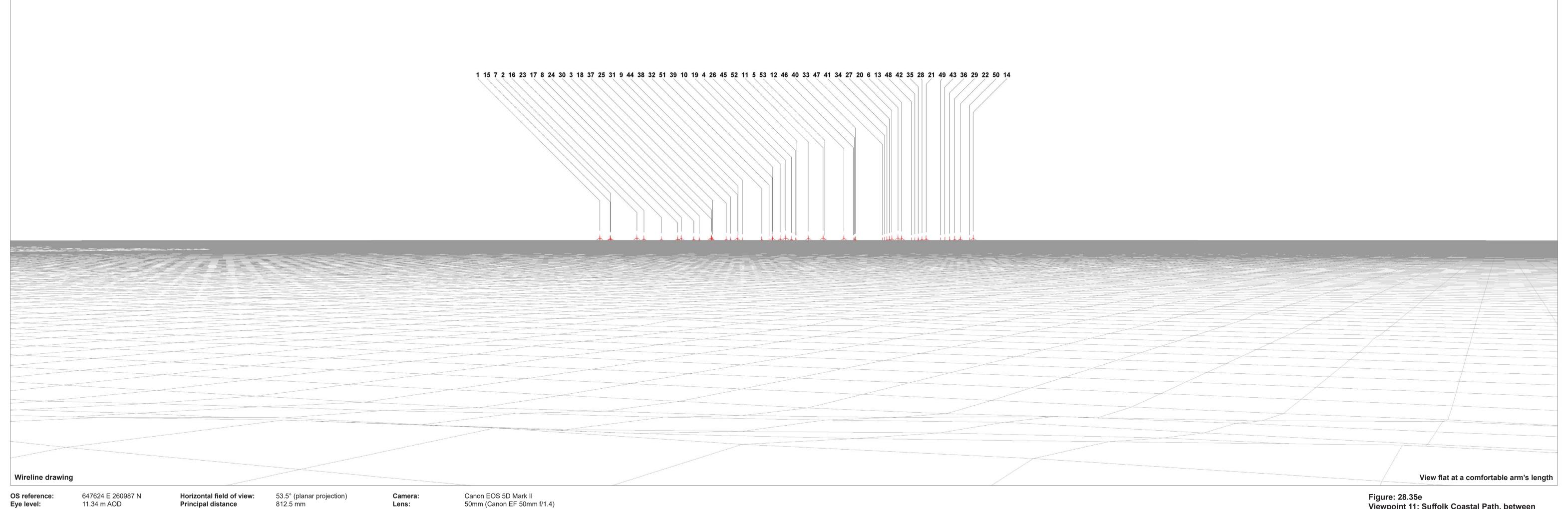
Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/09/17, 12:05

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



Eye level: Direction of view: Nearest turbine:

11.34 m AOD 51.447 km

Principal distance Paper size: Correct printed image size: 820 x 260 mm

812.5 mm 841 x 297 mm Camera height: Date and time: 1.5 m AGL 13/09/17, 12:05 Figure: 28.35e Viewpoint 11: Suffolk Coastal Path, between Thorpeness and Sizewell



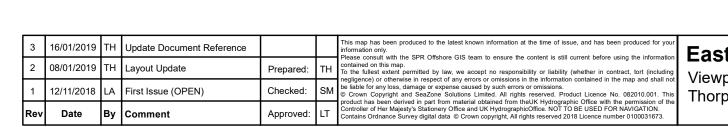
647624 E 260987 N 11.34 m AOD 51.447 km

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: Lens: Camera height: Date and time: Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 13/09/17, 12:05

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

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



62

54

ast Anglia ONE North	Doc Ref	EA1N-DEVWF-ENV-REP-IBR-		
ewpoint: 12	Rev	3	Datum:	
orpeness	Date	16/01/19	WGS 198 Projection	
•	Figure	28.36a	Zone 31N	

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Colchester District odmin by the Manual gree 610000	Harkstead Harkst	A154 0 elixstowe Valiant of the state of the	640000	650000	660000	Greater Gabbard 670000	680000	690000

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

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)

Legend

SCOTTISHPOWER RENEWABLES

 Cumulative Turbine Locations **Cumulative Windfarm Status**

Application Operational

No. of Blade Tips Visible

County Boundary

District Boundary

10 - 18

19 - 27 28 - 36 37 - 45

46 - 53

 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.

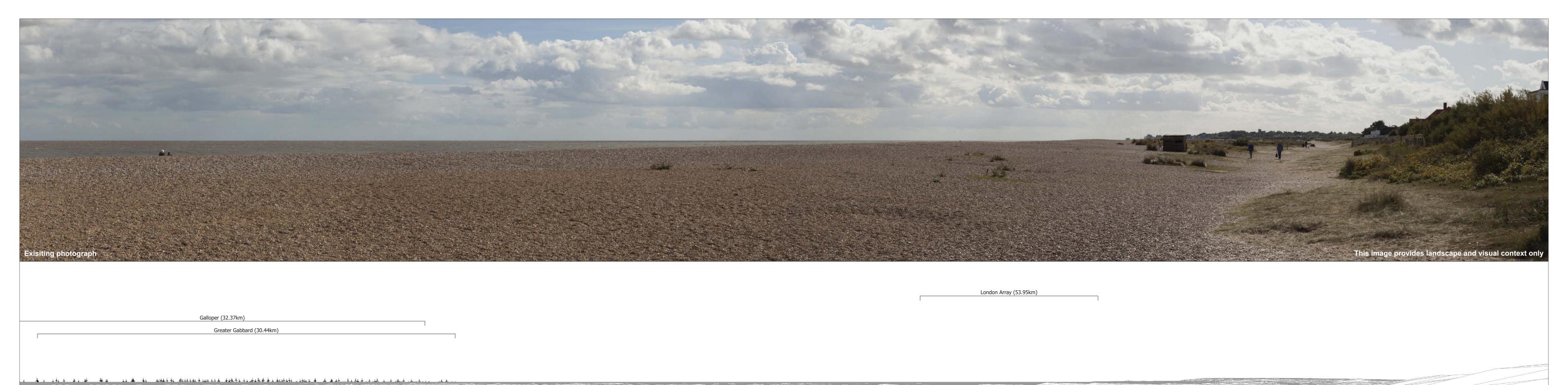


Direction of view: Nearest turbine:

52.359 km

Camera height: Date and time:

1.5 m AGL 11/09/17, 13:28



Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine: 52.359 km

647287 E 259490 N 4.68 m AOD

Horizontal field of view: Principal distance

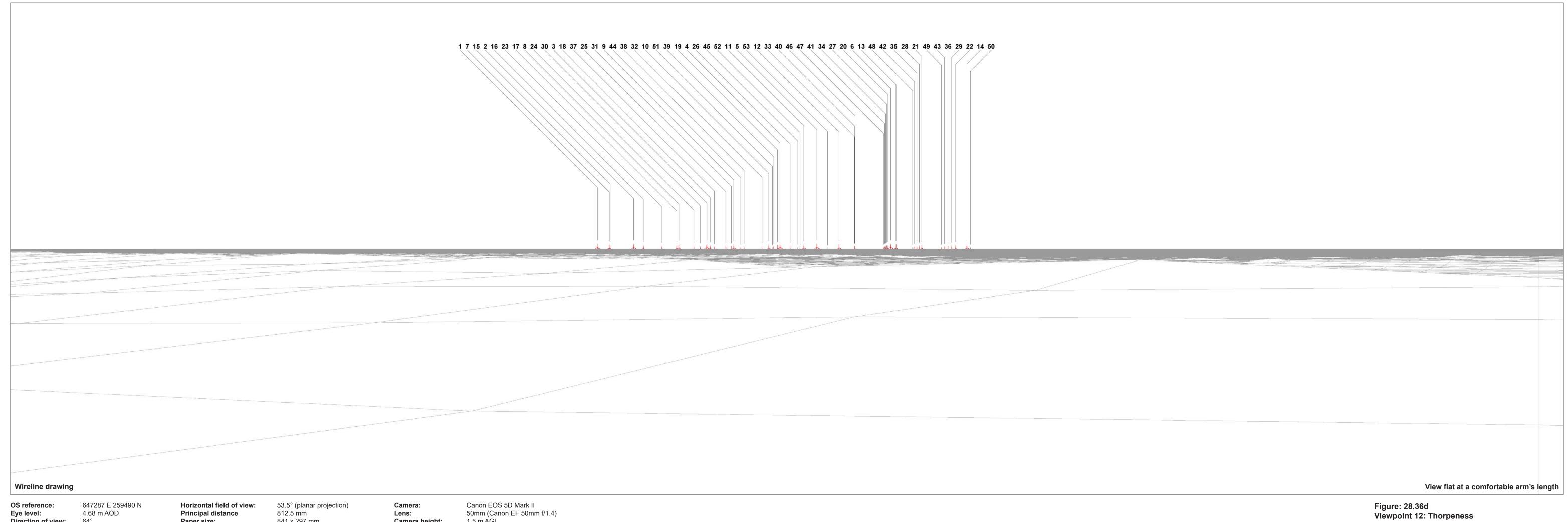
90° (cylindrical projection) 522 mm

Camera: Lens:

Camera height: 1.5 m AGL 11/09/17, 13:28 Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4)

Figure: 28.36c Viewpoint 12: Thorpeness



Eye level:
Direction of view:
Nearest turbine:

52.359 km

Principal distance Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

Camera height: Date and time:

1.5 m AGL 11/09/17, 13:28

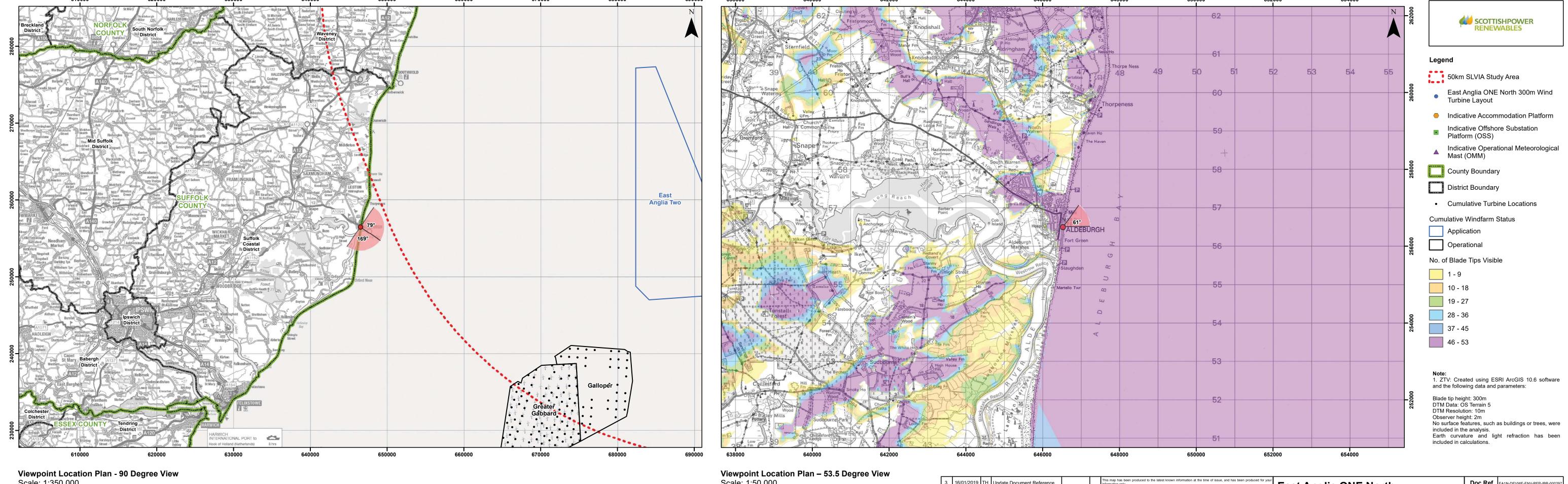


647287 E 259490 N 4.68 m AOD 52.359 km

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: Lens: Camera height: Date and time: Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 11/09/17, 13:28

Figure: 28.36e Viewpoint 12: Thorpeness



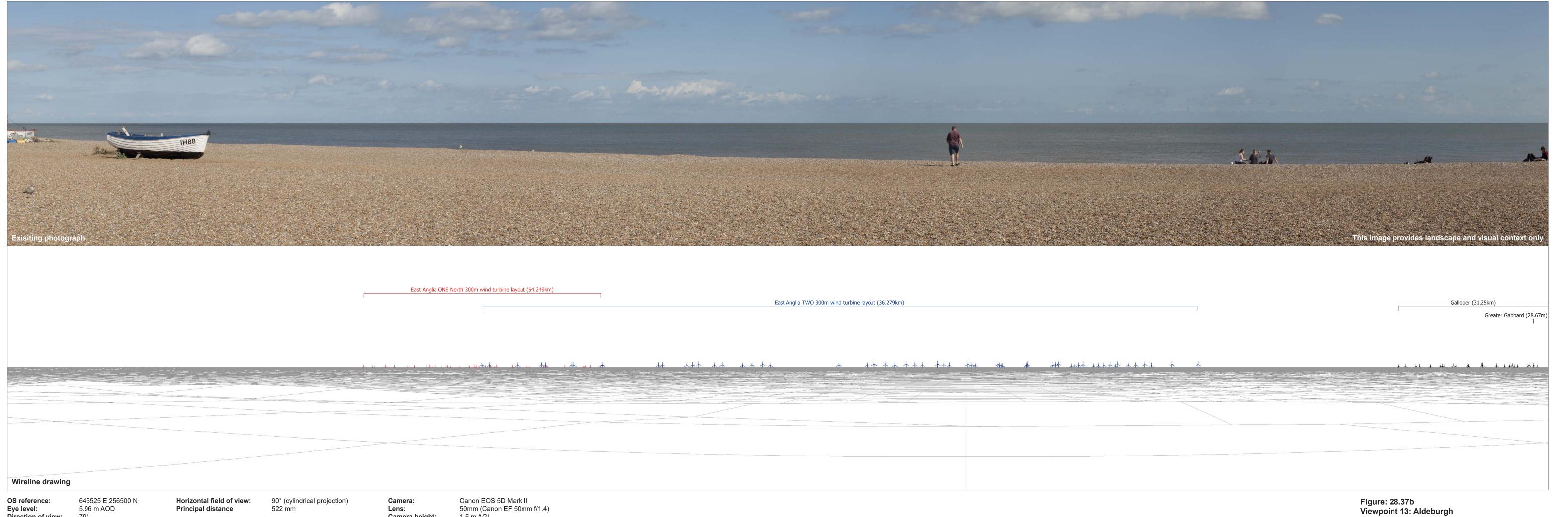
Scale: 1:350,000

Scale: 1:50,000

3	16/01/2019	тн	Update Document Reference			This map has been produced to the latest known information at the time of issue, and has been produced for yo information only. Please consult with the SPR Offshore GIS team to ensure the content is still current before using the information.
2	08/01/2019	TH	Layout Update	Prepared:		rease consult will the GPR Consider GIS team to ensure the content is suit current before using the infinite contained on this map. To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, for fincludin requirement) or otherwise in respect of any errors or omissions in the information contained in the map and shall in
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East Anglia ONE North
Viewpoint: 13
Aldeburgh

DOC Rei	EA1N-DEVWF-EN	WF-ENV-REP-IBR-000297			
Rev	3	Datum:			
Date	16/01/19	WGS 1984 Projection:			
Figure	28.37a	Zone 31N			



Eye level: Direction of view: Nearest turbine:

54.249 km

Principal distance

Camera height: Date and time:

1.5 m AGL 11/09/17, 13:28



London Array (50.90km)

Galloper (31.25km)

Greater Gabbard (28.67km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

646525 E 256500 N 5.96 m AOD 54.249 km

Principal distance

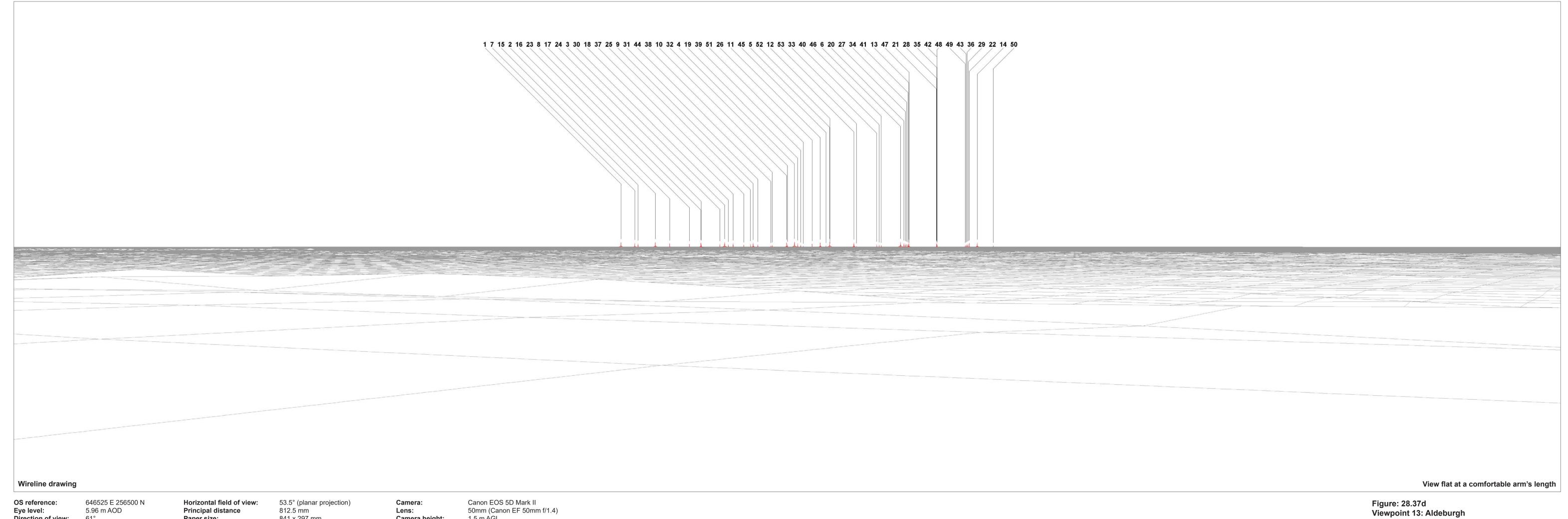
Horizontal field of view:

90° (cylindrical projection)

Camera: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 11/09/17, 13:28

Figure: 28.37c Viewpoint 13: Aldeburgh



Direction of view: Nearest turbine:

54.249 km

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm Camera height: Date and time:

1.5 m AGL 09/09/17, 13:24



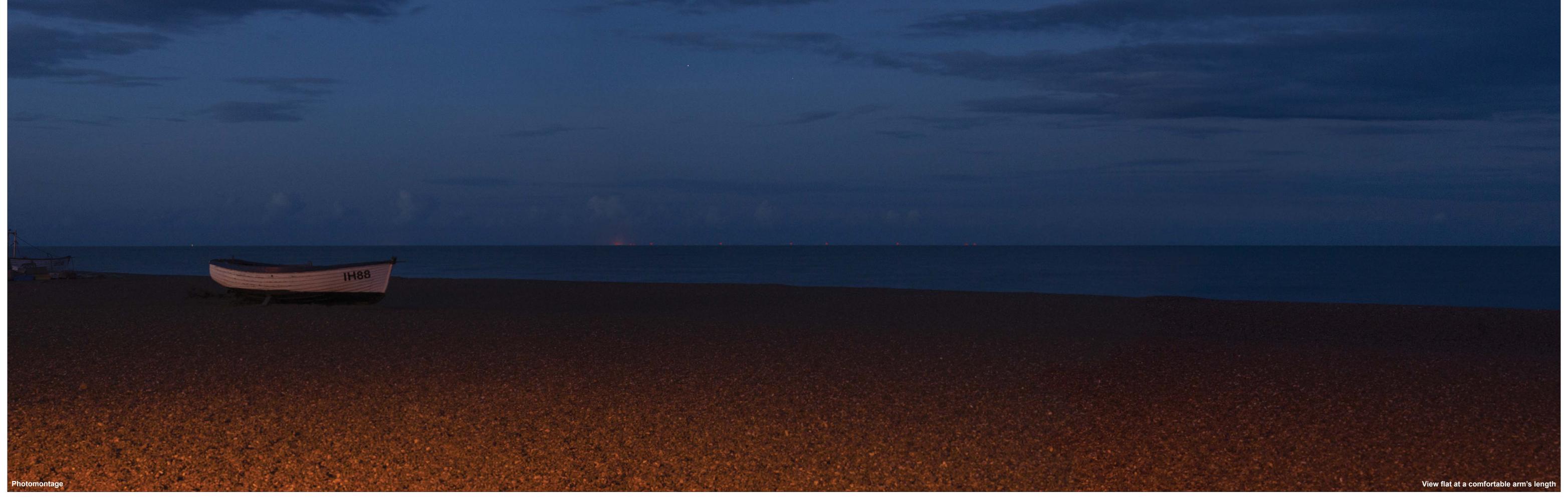
646525 E 256500 N 5.96 m AOD 54.249 km

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: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 11/09/17, 13:28

Figure: 28.37e Viewpoint 13: Aldeburgh



646525 E 256500 N 5.96 m AOD 54.249 km

Principal distance Paper size:

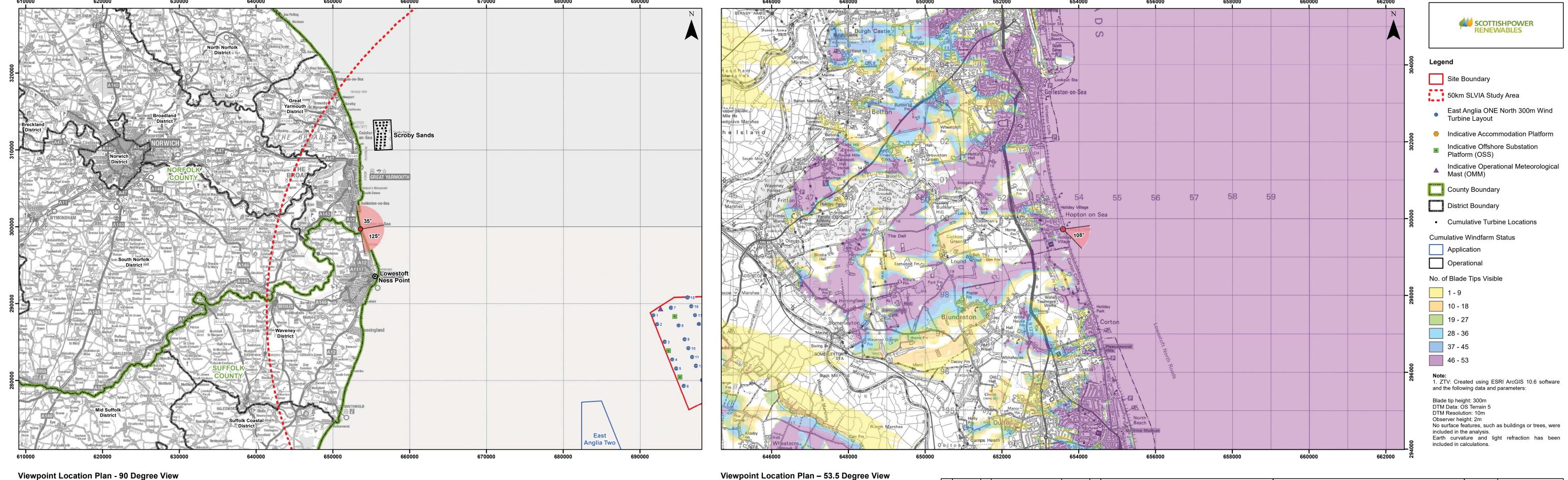
Horizontal field of view: 53.5° (planar projection) 812.5 mm 841 x 297 mm Correct printed image size: 820 x 260 mm

Camera: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

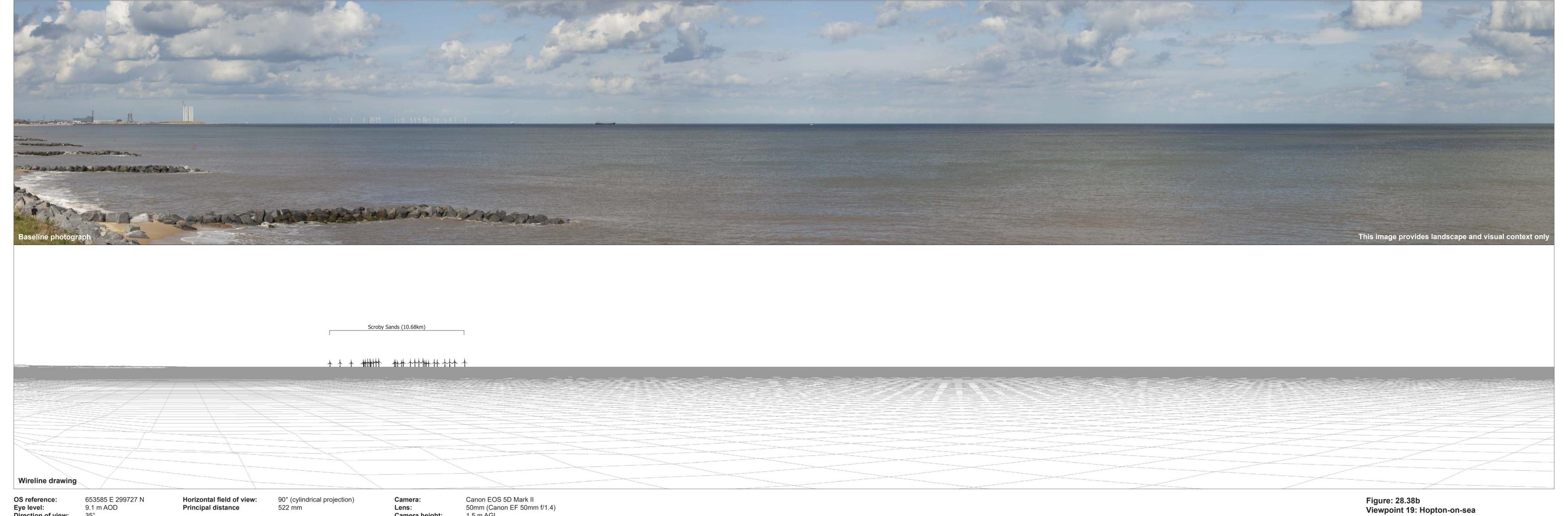
Scale: 1:50,000

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Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 **Date** 16/01/19 WG3 1964 Projection: Figure 28.38a



Eye level: Direction of view: Nearest turbine:

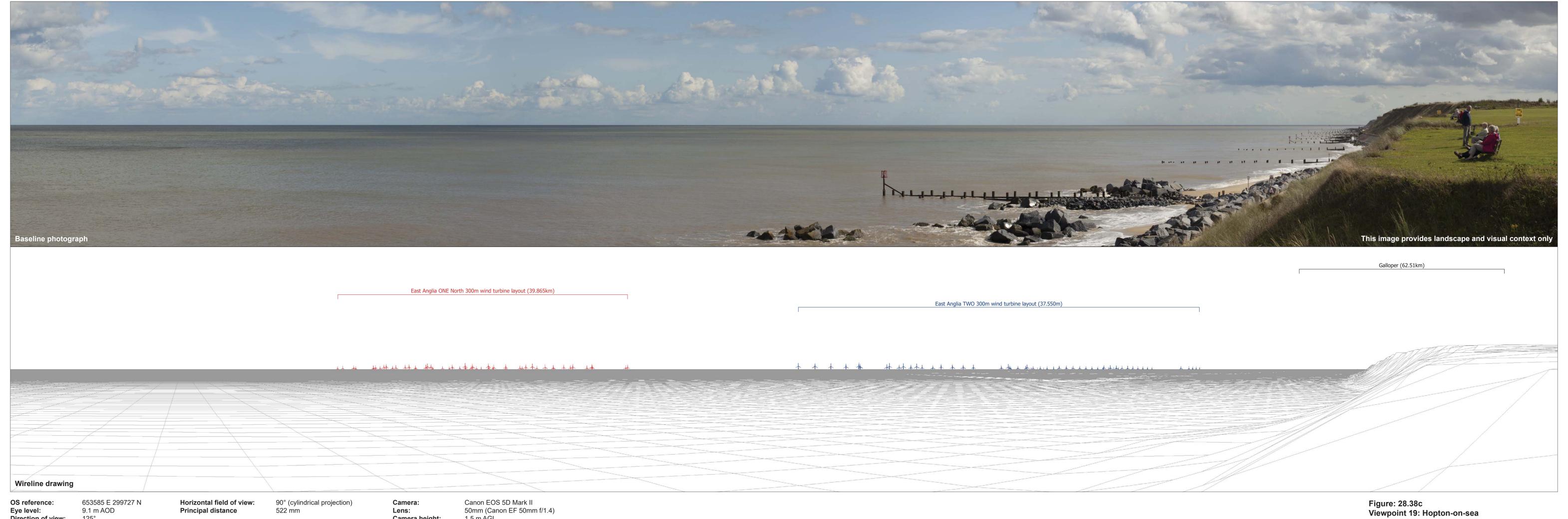
9.1 m AOD 39.865 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Lens: Camera height: Date and time:

50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17 13:53

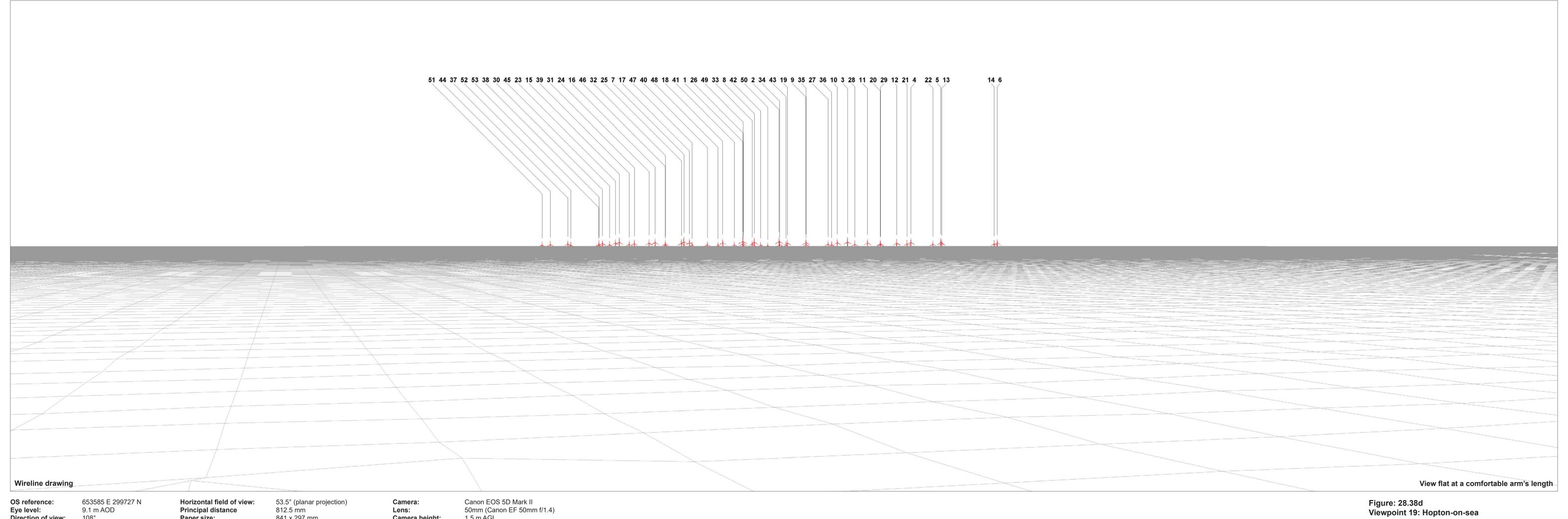


Direction of view:

Nearest turbine:

Camera height: Date and time:

1.5 m AGL 12/09/17 13:53



Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

Camera height: Date and time:

1.5 m AGL 12/09/17 13:53

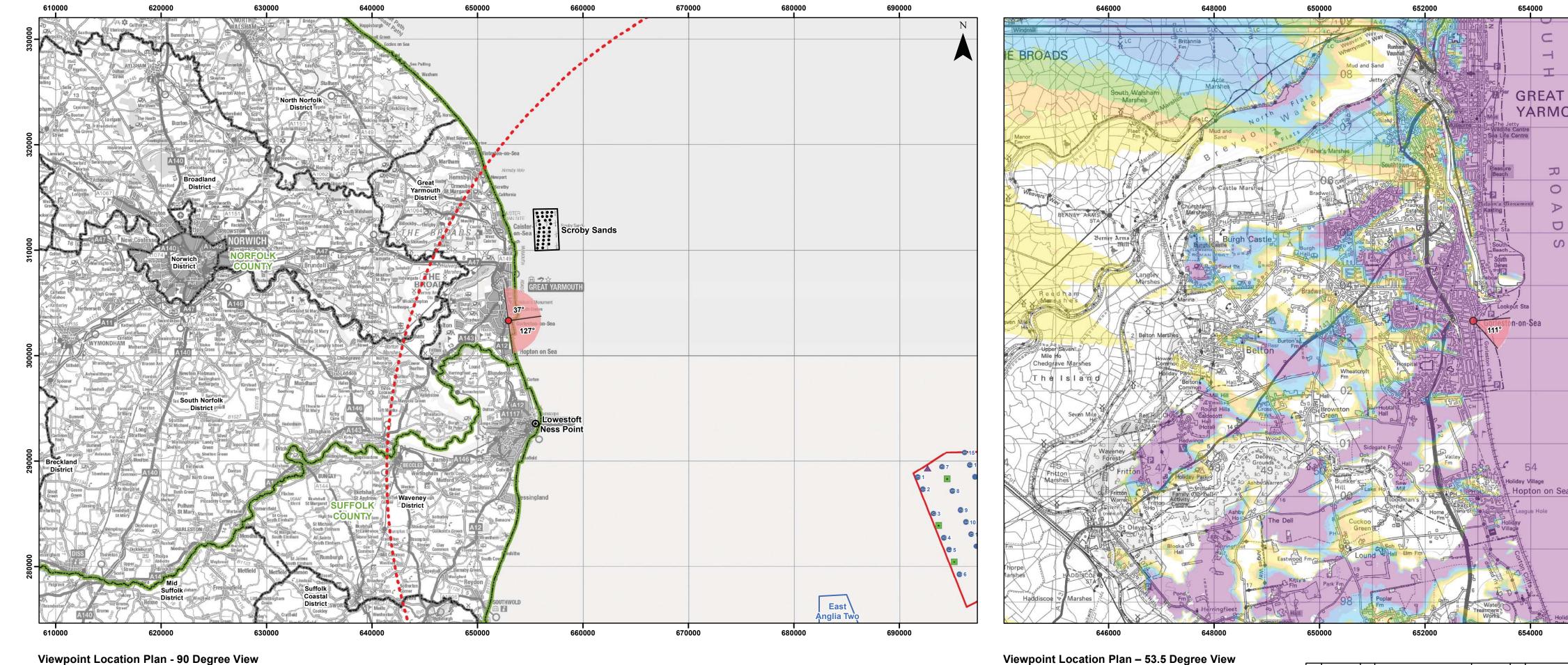


653585 E 299727 N 9.1 m AOD

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

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



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

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YARMOUTH

U

Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 **Date** 16/01/19 WG3 1964 Projection: Figure 28.39a

1. ZTV: Created using ESRI ArcGIS 10.6 software

No surface features, such as buildings or trees, were

Earth curvature and light refraction has been included in calculations.

and the following data and parameters:

SCOTTISHPOWER RENEWABLES

East Anglia ONE North 300m Wind Turbine Layout

Indicative Accommodation Platform

Indicative Operational Meteorological Mast (OMM)

Indicative Offshore Substation Platform (OSS)

Cumulative Turbine Locations

Site Boundary

County Boundary

District Boundary

Application

Operational

10 - 18 19 - 27

37 - 45

46 - 53

Blade tip height: 300m DTM Data: OS Terrain 5 DTM Resolution: 10m Observer height: 2m

included in the analysis.

No. of Blade Tips Visible

Cumulative Windfarm Status

50km SLVIA Study Area

Scale: 1:350,000

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Scroby Sands (7.40km)

Wireline drawing

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

41.662 km

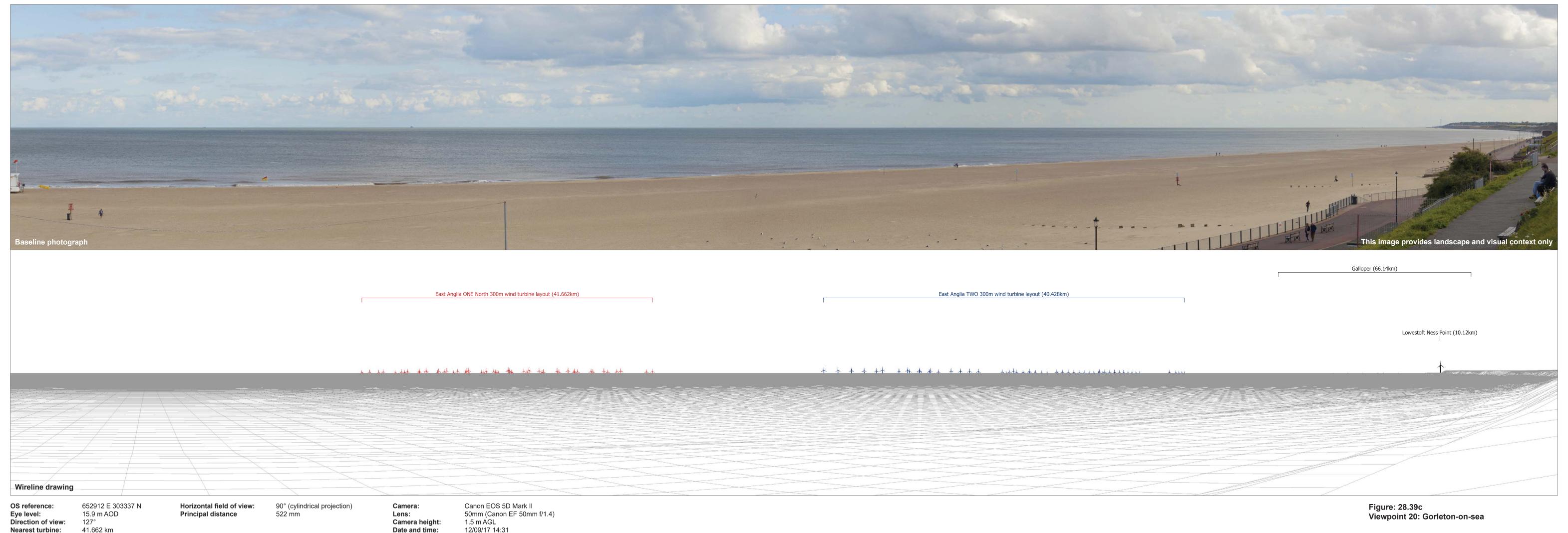
Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera: Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17 14:31

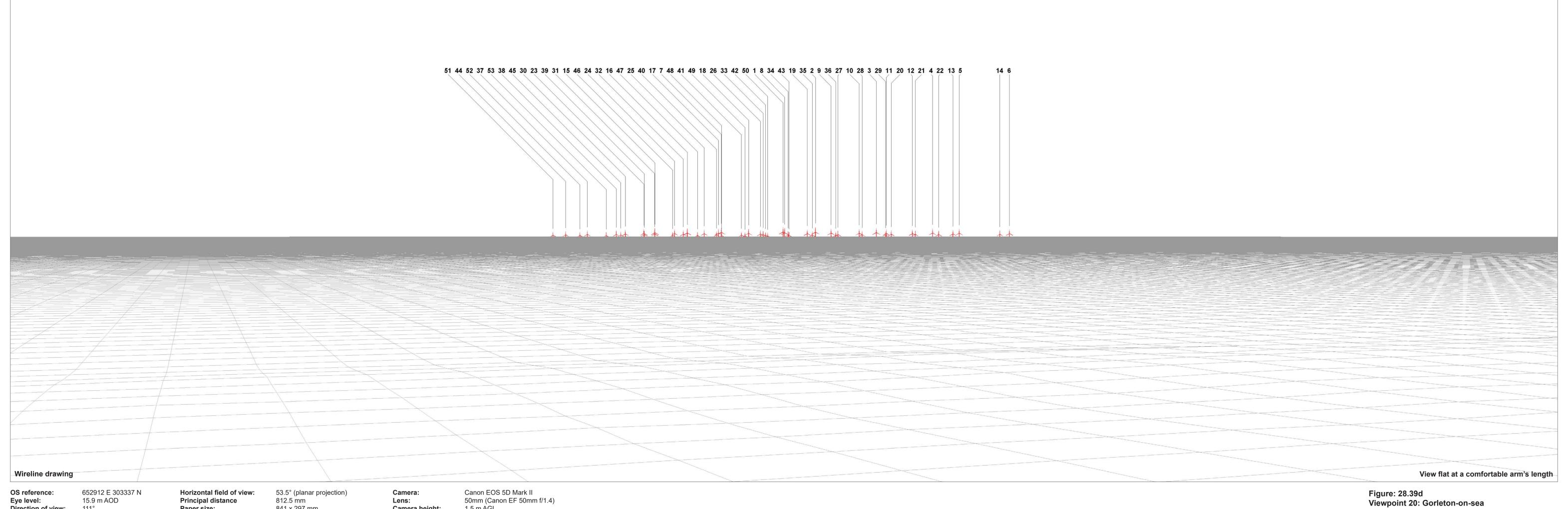
Figure: 28.39b Viewpoint 20: Gorleton-on-sea



Nearest turbine:

41.662 km

12/09/17 14:31



Eye level: 15.9 m
Direction of view: 111°
Nearest turbine: 41.662

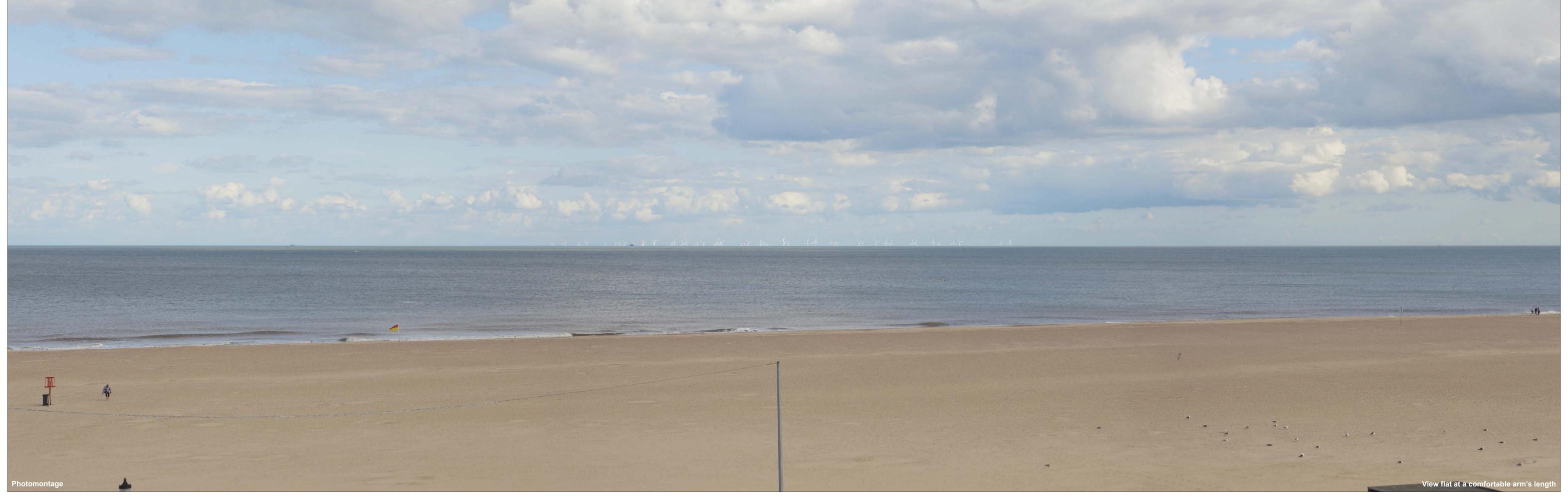
15.9 m AOD 41.662 km

Principal distance

Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

Camera height: Date and time:

1.5 m AGL 12/09/17 14:31



OS reference: 652912
Eye level: 15.9 m
Direction of view: 111°
Nearest turbine: 41.662

652912 E 303337 N 15.9 m AOD 41.662 km

Horizontal field of view: 53.5° (planar projection)

Principal distance 812.5 mm

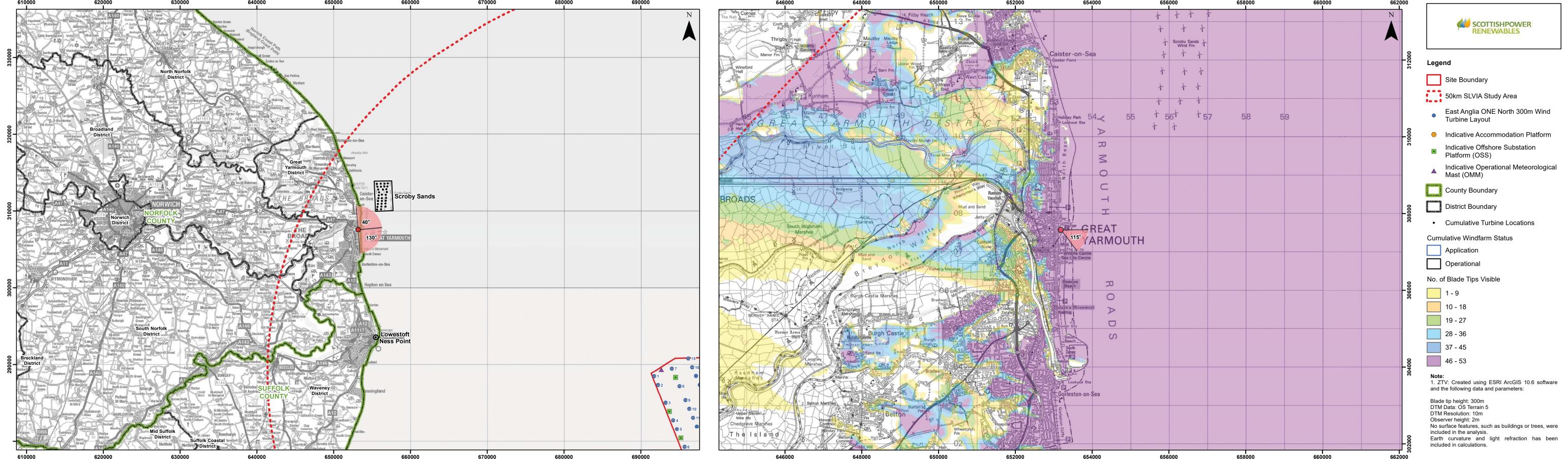
Paper size: 841 x 297 mm

Correct printed image size: 820 x 260 mm

Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

3	16/01/2019	TH	Update Document Reference	
2	08/01/2019	TH	Layout Update	Prep
	12/11/2010		First Issue (ODEN)	Chor

Rev Date By Comment

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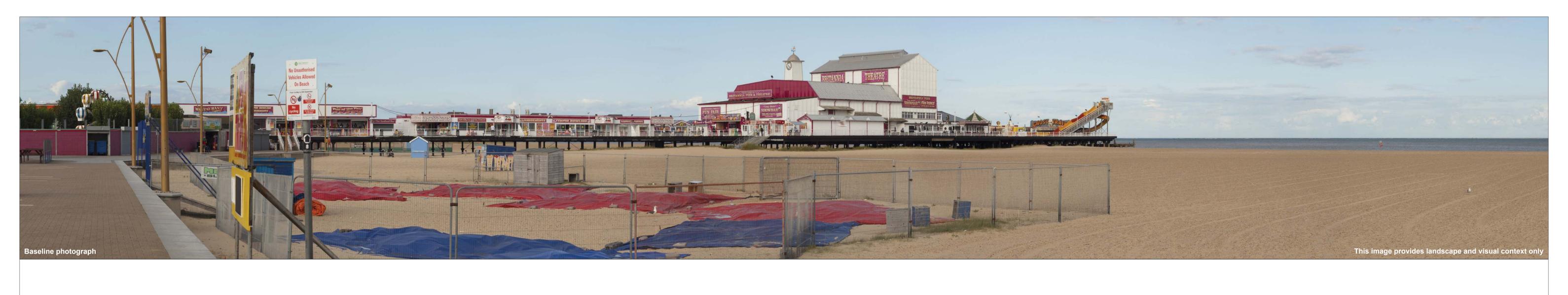
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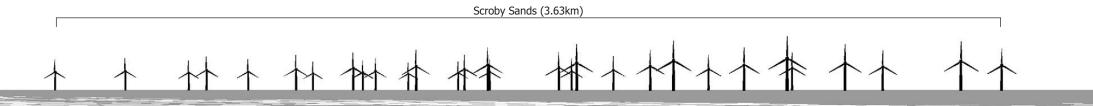
East Anglia ONE North Prepared: TH
Checked: SM
Approved: LT

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Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 Rev Date 16/01/19 Projection: Figure 28.40a

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Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

653175 E 307578 N 4.7 m AOD

43.124 km

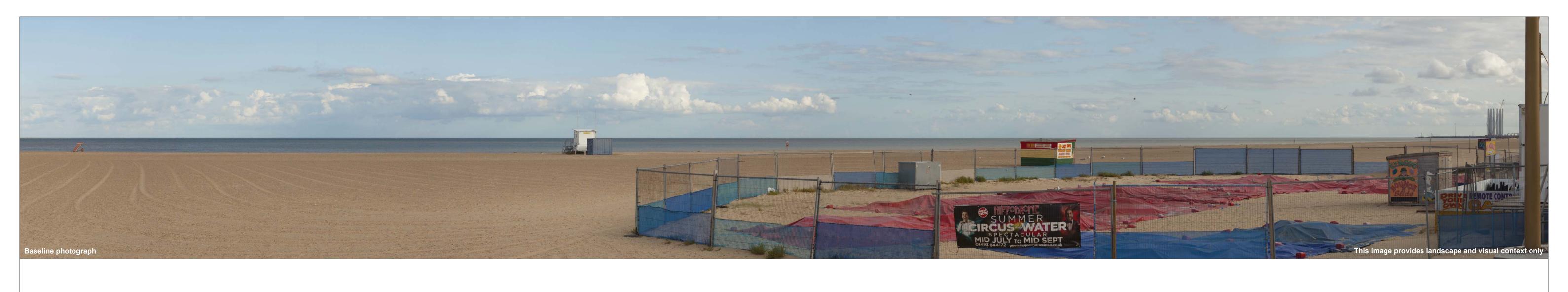
Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera: Camera height:

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

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



East Anglia ONE North 300m wind turbine layout (43.124km)

East Anglia TWO 300m wind turbine layout (43.237km)

Lowestoft Ness Point (14.22km)

Wireline drawing

OS reference: Eye level: Direction of view: Nearest turbine:

653175 E 307578 N 4.7 m AOD 43.124 km

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera: Camera height: Date and time:

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

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

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 View flat at a comfortable arm's length Wireline drawing Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 653175 E 307578 N Figure: 28.40d Viewpoint 21: Great Yarmouth, South Beach OS reference: Horizontal field of view: 53.5° (planar projection) Camera: 4.7 m AOD Principal distance 812.5 mm

Direction of view: Nearest turbine:

43.124 km

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

Camera height:

1.5 m AGL



653175 E 307578 N 4.7 m AOD 115° 43.124 km

Horizontal field of view: 53.5° (planar projection)

Principal distance 812.5 mm

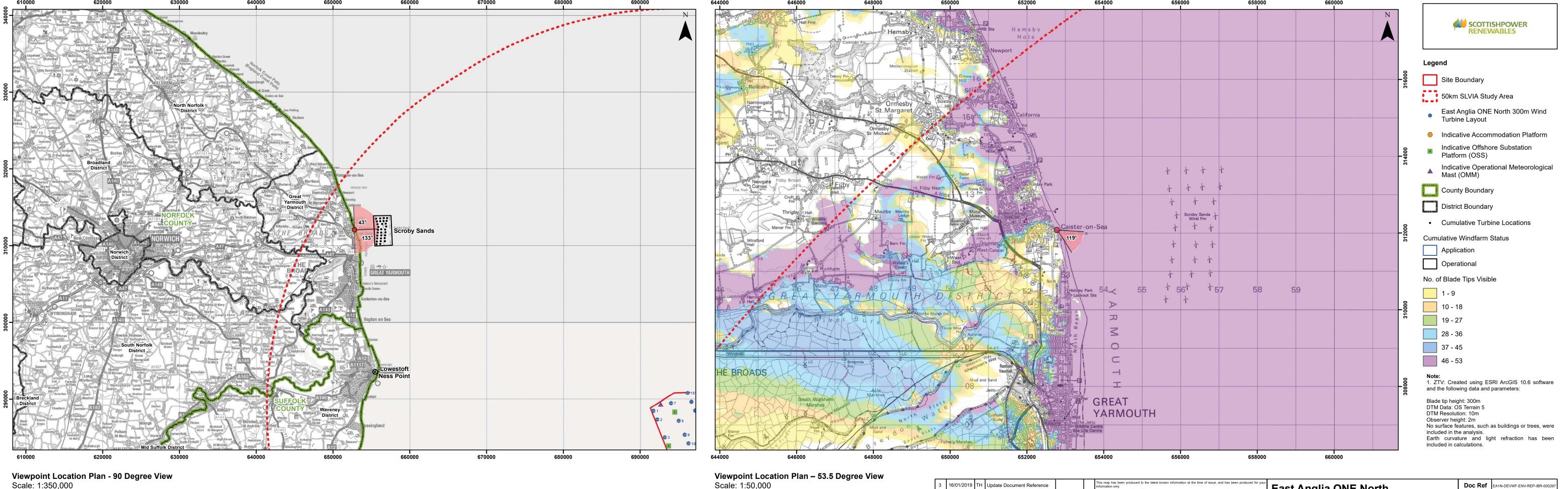
Paper size: 841 x 297 mm

Correct printed image size: 820 x 260 mm

Camera: Lens: Camera height: Date and time:

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

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



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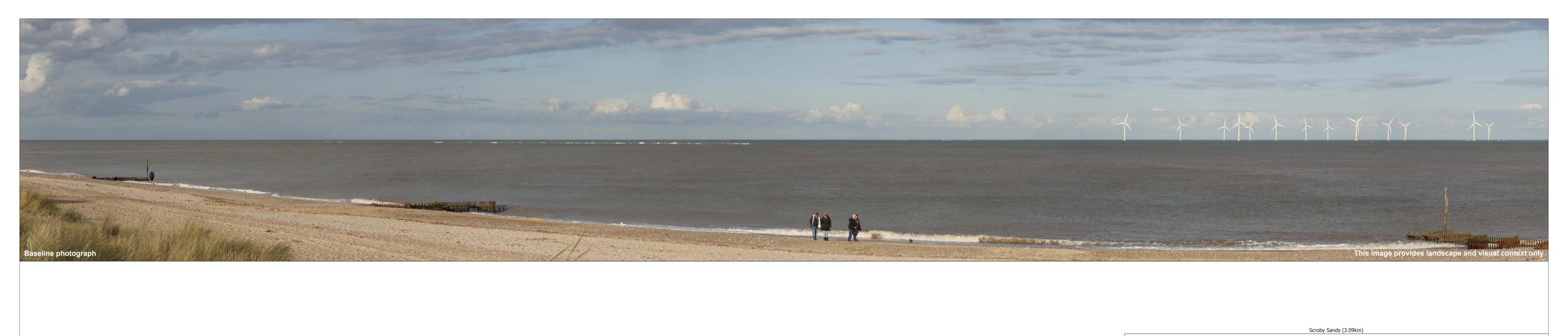
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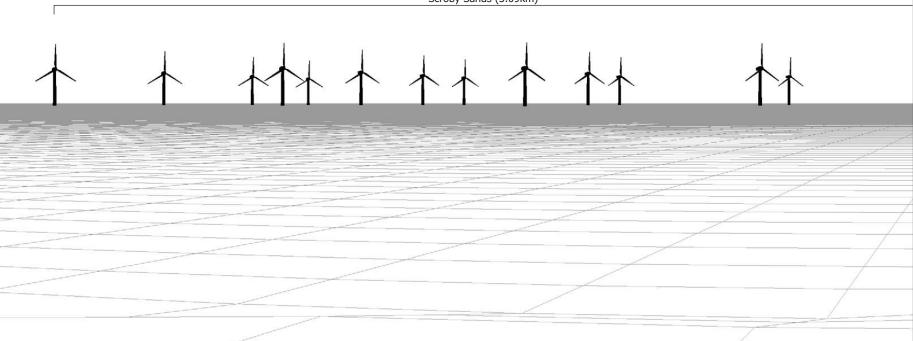
East Anglia ONE North 3 16/01/2019 TH Update Document Reference Please consult with the SPR Offshore GIS team to ensure the content is still current before using the information contained on this map.

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Date 16/01/19 WG3 1964 Projection: Figure 28.41a





Wireline drawing

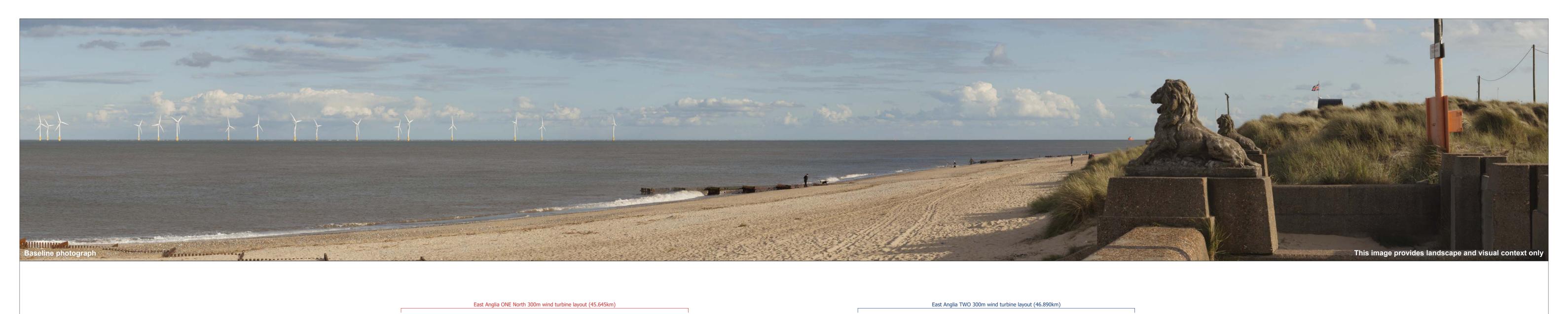
652777 E 312085 N 6.8 m AOD 43° 45.645 km

Horizontal field of view: Principal distance

eld of view: 90° (cylindrical projection)
ance 522 mm

Camera: Lens: Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17 16:03 Figure: 28.41b Viewpoint 22: Caister-on-sea



OS reference: Eye level: Direction of view: Nearest turbine:

652777 E 312085 N 6.8 m AOD f view: 133° bine: 45.645 km

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

on) Camera: Lens:

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: 28.41c 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 View flat at a comfortable arm's length Wireline drawing Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 652777 E 312085 N Figure: 28.41d Viewpoint 22: Caister-on-sea OS reference: Horizontal field of view: 53.5° (planar projection) Camera:

Eye level: 6.8 m A
Direction of view: 119°
Nearest turbine: 45.645

6.8 m AOD 45.645 km

Principal distance Paper size: 841 x 297 mm
Correct printed image size: 820 x 260 mm

812.5 mm

Camera height: Date and time:

1.5 m AGL



652777 E 312085 N 6.8 m AOD

Horizontal field of view: 53.5° (planar projection)

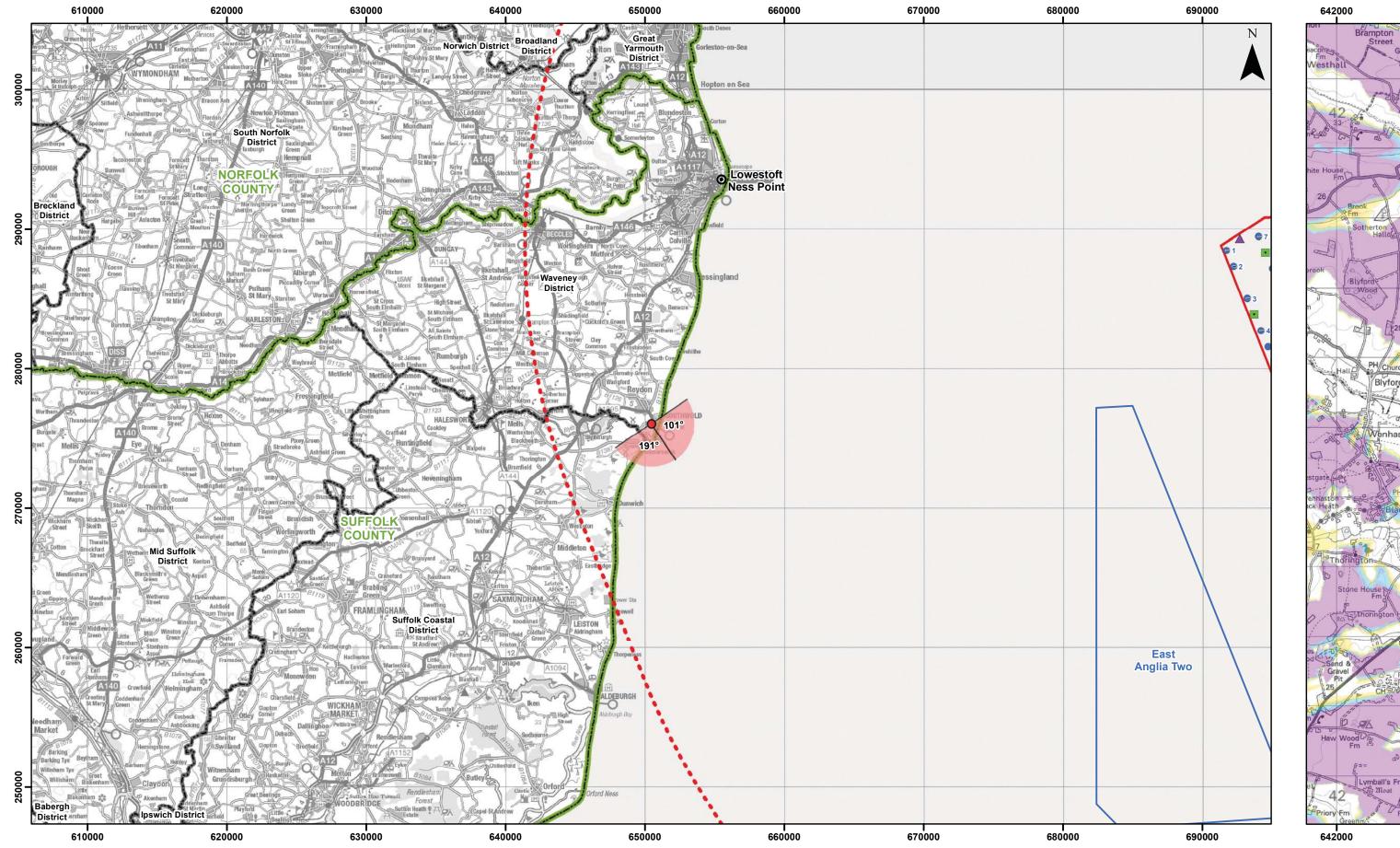
Principal distance 812.5 mm

Paper size: 841 x 297 mm

Correct printed image size: 820 x 260 mm

Camera: Lens: Camera height: Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

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Prepared: TH

Checked: SM

Approved: LT

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East Anglia ONE North

Viewpoint: A

Southwold Common 3 16/01/2019 TH Update Document Reference
2 08/01/2019 TH Layout Update 1 12/11/2018 LA First Issue (OPEN) Rev Date By Comment

Doc Ref EA1N-DEVWF-ENV-REP-IBR-000297
 Date
 16/01/19
 WGS 1984 Projection: Zone 31N
 Figure 28.42a

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Brampton Street The Grove	Stovenar Whitehouse	Uggeshell PRed House	Frostenden Frostenden Valley Bottom	Church Fm	Church Fm.				N	SCOTTISHPOWER RENEWABLES
	Upper Town Fen	Hog's Common Common	Hermitage White House	South Cove 81	Covehithe Heath Broad The The School The Warren 5	3 54 5	55 56 57	7 58 5	59	
33	Westhall	Church 46	MP 40 Froste Cornel	Brick Kiln	Easton					Legend
	and the state of t	gesnati	Barnaby Green	Wks & Cove Bottom	Wood				280000	Site Boundary
ite House	Fm Fm		Elms Fm	Red House Rough						50km SLVIA Study
26 Breok Fm	Sotherton Craver's Manar	Quarry Boulet R	ngford Wood Fin	yeon Grove Jay's Fm	otter's Br					East Anglia ONE North 300m Wind Turbine Layout
Halldgar	Sotherton MP MP	Wang	16 Reydon Hall	The Elms Smear Co	ston of the stone					Indicative Accommodation
rook Blyford Wood	Corner Henhamgreen Valley Fm		Reydon ardle Grange Church	Reydon Smear 13	on Cliffs				278000	Indicative Offshore Substation Platform (OSS)
A 129	The	Henham Park Pit Wangford Commo	Fm Gorse Lodge	Broad	side 150				27	Indicative Operational Meteorolog Mast (OMM)
	Park	Sandylane Home Cover!	old Halle	95-2017	Sole Bay					County Boundary
Hall Blyford	Lyon's Fm B1123 18	Southwold Covert	Reydon Marshes	Buss Cast Wks Hospit	PC Pier					District Boundary
Tism.	Bulcamp	15 4 1095 3	Tink No 53 5 D	egree View 80°	SÖÜTHWOLD				00	Cumulative Turbine Locations
Wenhaston	Blower's	Bulcamp Ho	Mars Ho 33.3 D	egice view	nhitt Cliff				2760	Cumulative Windfarm Status
	Common	PH PH	Tinker's H	Town Marshes						Application
PH	Hall		Covert Common 5	P C E						Operational
k Heäth	eath Co	Walberswick	Finke B 1387 Sallow Walk Walk Walkers	TIP 29						No. of Blade Tips
	Red House B1387	S/We True	Sallow Walk Walbers Covert 5- Hoist	wick PC						1 - 9
Thorington	22 B 13B7	Westwood S	indlings East Hill 37. Kolk of Walk	74					274000	10 - 18
Stone House	olly Hinton	Comphall 18 P Cov	ad Marshes O. Cape							19 - 27
Thorington Hall	Redcap Fm	18 Newdelight - West Welbi	Dingle Great	70						28 - 36
MP MP	Big O Newd	etight by Fen-Hill	Sandymount Covert	73						37 - 45 46 - 53
Sánd & Rifle	Hinton Hallo		Dingle Stone							
CHRIS	Springs		Tuttle Service	72					272000	Note:1. ZTV: Created using ESRI ArcGIS 10.6 so and the following data and parameters:
Haw Wood Dis	Poplar Fm Brick	st Helena	Ding!						27	Blade tip height: 300m DTM Data: OS Terrain 5
Fm (A)	Kitn Watks	Dunwich Forest								DTM Resolution: 10m
Lymball's Fm		Potton Hall PP P	Bridge Mich PO P	71						Observer height: 2m No surface features, such as buildings or trees
42 A3	House 7 21 The	46	Dunwich 49	50 5	1 52 5	3 54 5	55 56 5	7 58 !	59	included in the analysis. Earth curvature and light refraction has included in calculations.
642000	644000	646000	648000	650000	652000	654000	656000	658000		



East Anglia ONE North 300m wind turbine layout (43.117km)

East Anglia TWO 300m wind turbine layout (32.139km)

Nearest turbine:

Wireline drawing

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

Horizontal field of view: Principal distance

90° (cylindrical projection)

Camera: Camera height:

Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 17/09/17, 14:41

Figure: 28.42b Viewpoint A: Southwold Common



Direction of view:

650484 E 276162 N 13 m AOD Nearest turbine: 43.117 km

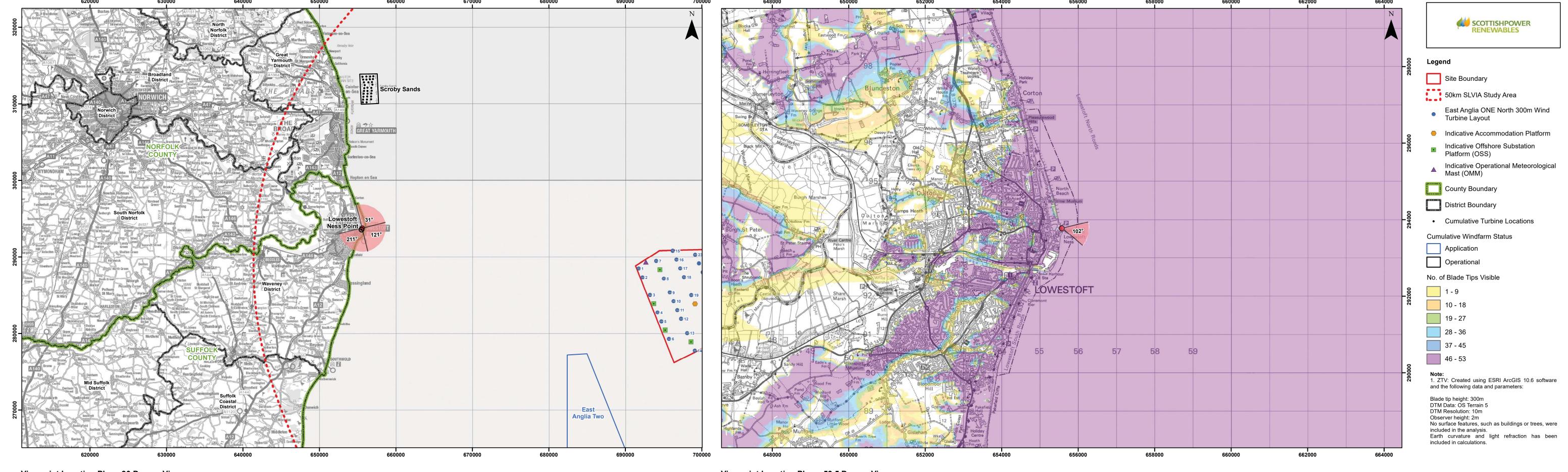
Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 17/09/17, 14:41

Figure: 28.42c Viewpoint A: Southwold Common



Viewpoint Location Plan - 90 Degree View

Scale: 1:350,000

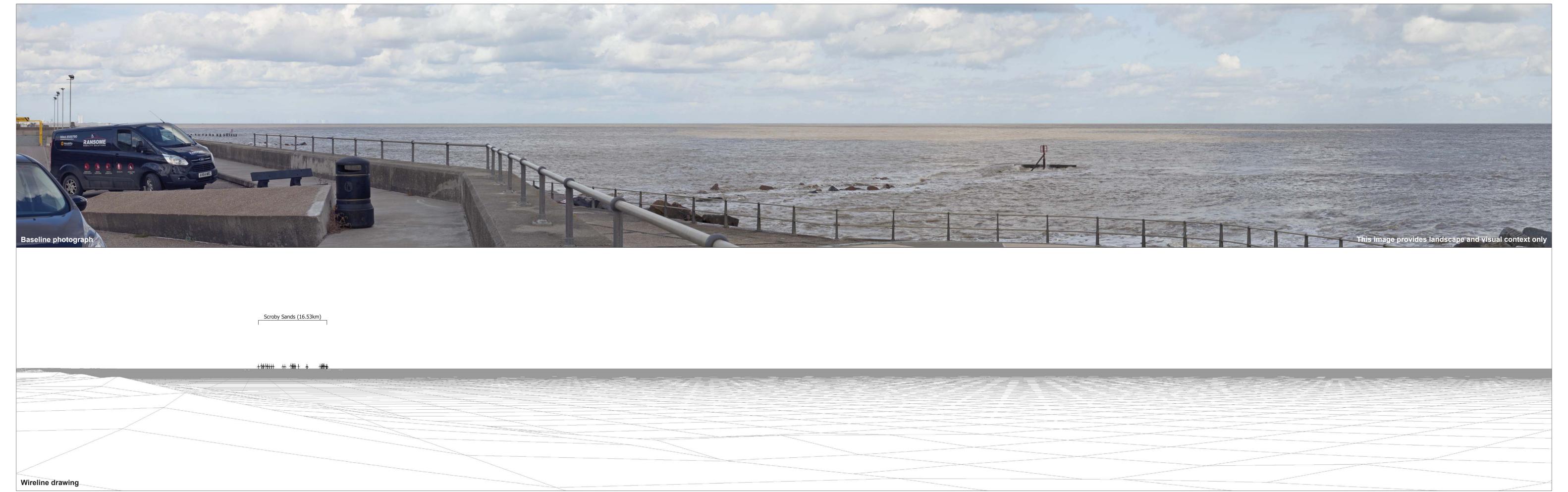
Viewpoint Location Plan – 53.5 Degree View

Scale: 1:50,000

3	16/01/2019	TH	Update Document Reference			This map has been produced to the latest known information at the time of issue, and has been produced for your information only. Please consult with the SPR Offshore GIS team to ensure the content is still current before using the information	East Analia ONE	
2	08/01/2019	тн	Layout Update	Prepared:	TH	contained on this map. To the fullest extent permitted by law, we accept no responsibility or liability (whether in contract, tort (including negligence) or otherwise in respect of any errors or omissions in the information contained in the map and shall not be liable for any loss, damage or expense caused by such errors or omissions. © Crown Copyright and SeaZone Solutions Limited. All rights reserved. Product Licence No. 082010.001. This product has been derived in part from material obtained from theUK Hydrographic Office with the permission of the	contained on this map.	\ /: ! t - D
1	12/11/2018	LA	First Issue (OPEN)				issions. rved. Product Licence No. 082010.001. This Ness Point I owestoft	
Rev	Date	Ву	Comment	Approved:	Controller of Her Majesty's Stationery Office and UK HydrographicOffice. NOT TO BE USED FOR NAVIGATION.			

luced for your ne information	East Anglia ONE North
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h	Doc Ref	ef EA1N-DEVWF-ENV-REP-IBI		
	Rev	3	Datum:	
	Date	16/01/19	WGS 198	
	Figure	28.43a	Zone 31N	



655573 E 293668 N 5.7 m AOD

Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

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

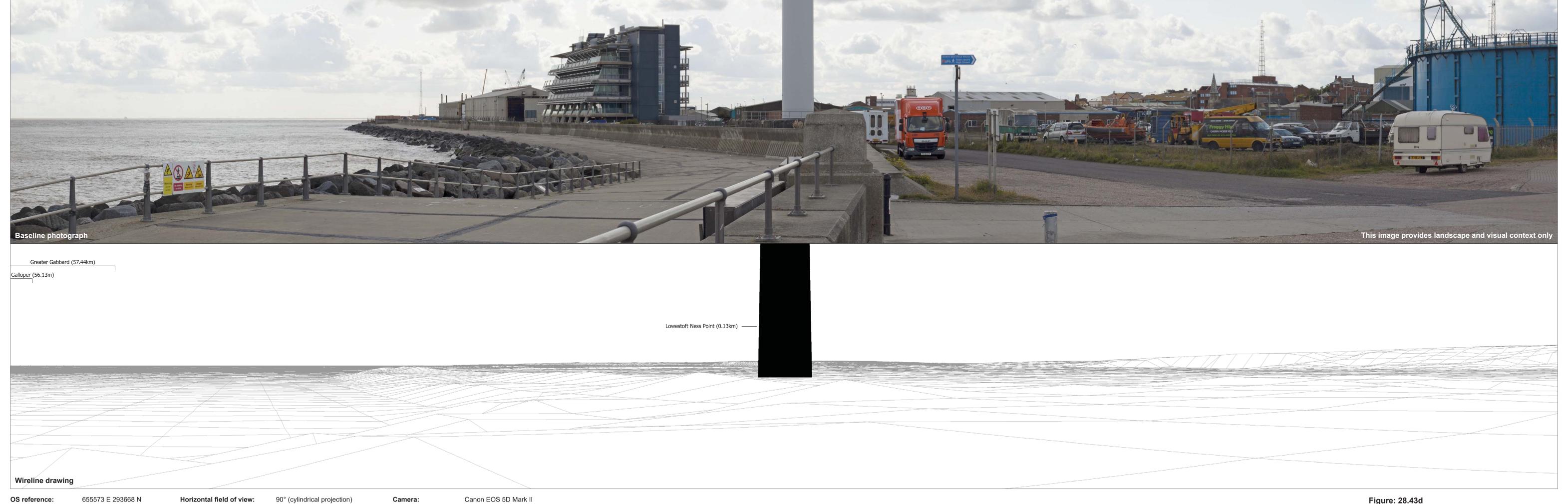
Figure: 28.43b Viewpoint B: Ness Point Lowestoft

This image provides landscape and visual context only East Anglia TWO 300m wind turbine layout (32.353km) East Anglia ONE North 300m wind turbine layout (36.620km) At the the the the the the the the Wireline drawing 655573 E 293668 N Canon EOS 5D Mark II OS reference: Horizontal field of view: 90° (cylindrical projection) Camera: Figure: 28.43c 50mm (Canon EF 50mm f/1.4) Eye level: 5.7 m AOD Principal distance Viewpoint B: Ness Point Lowestoft Camera height:

Direction of view: Nearest turbine:

36.620 km

1.5 m AGL 12/09/17, 12:56 Date and time:



Eye level:
Direction of view:
Nearest turbine:

655573 E 293668 N 5.7 m AOD 36.620 km

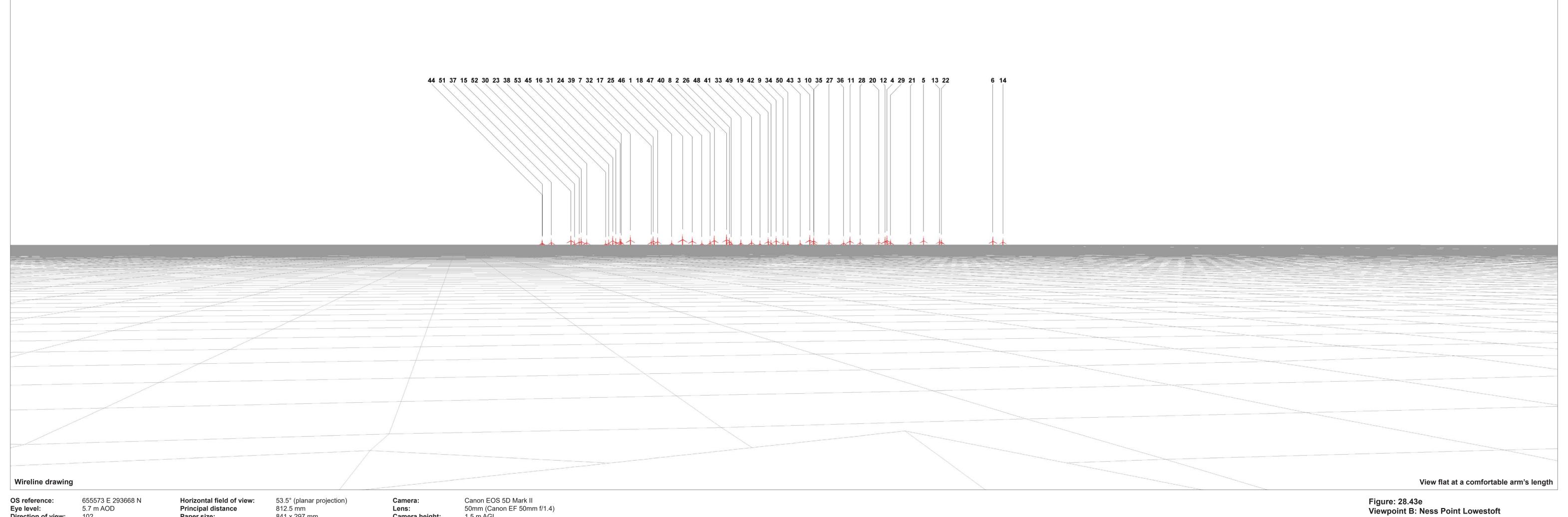
Horizontal field of view: Principal distance

90° (cylindrical projection) 522 mm

Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17, 12:56

Figure: 28.43d Viewpoint B: Ness Point Lowestoft



Eye level: 5.7 m / 102
Nearest turbine: 36.620

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

Camera height: Date and time:

1.5 m AGL 12/09/17, 12:56



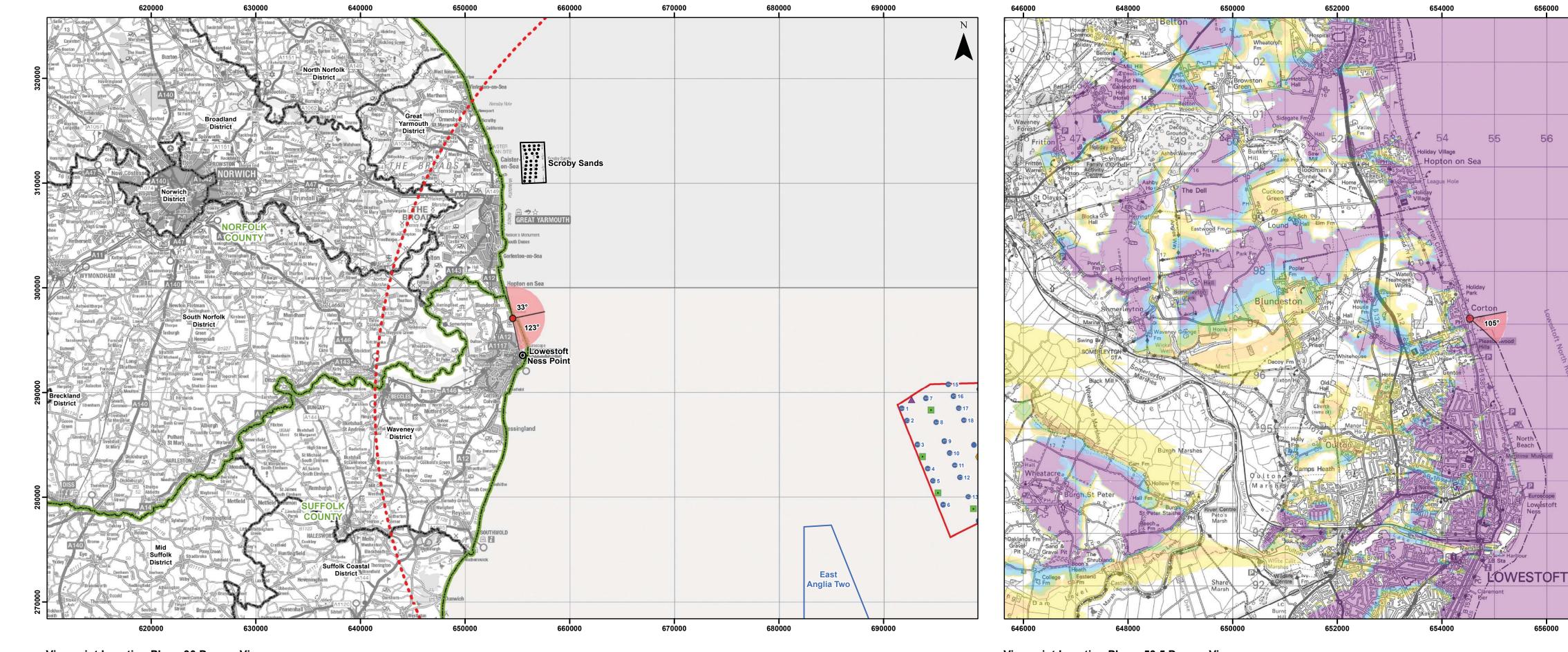
655573 E 293668 N 5.7 m AOD

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: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

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East Anglia ONE North 3 16/01/2019 TH Update Document Reference Prepared: TH

Checked: SM

Approved: LT

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59

Doc Ref EA1N-DEVWF-ENV-REP-IBR-00029 **Date** 16/01/19 Projection: Zone 31N Figure 28.44a

SCOTTISHPOWER RENEWABLES

East Anglia ONE North 300m Wind Turbine Layout

Indicative Accommodation Platform

Indicative Operational Meteorological Mast (OMM)

Indicative Offshore Substation Platform (OSS)

Cumulative Turbine Locations

ZTV: Created using ESRI ArcGIS 10.6 software

No surface features, such as buildings or trees, were

Earth curvature and light refraction has been included in calculations.

and the following data and parameters:

Site Boundary

County Boundary

District Boundary

Application

Operational

1 - 9 10 - 18 19 - 27

37 - 45

46 - 53

Blade tip height: 300m DTM Data: OS Terrain 5 DTM Resolution: 10m

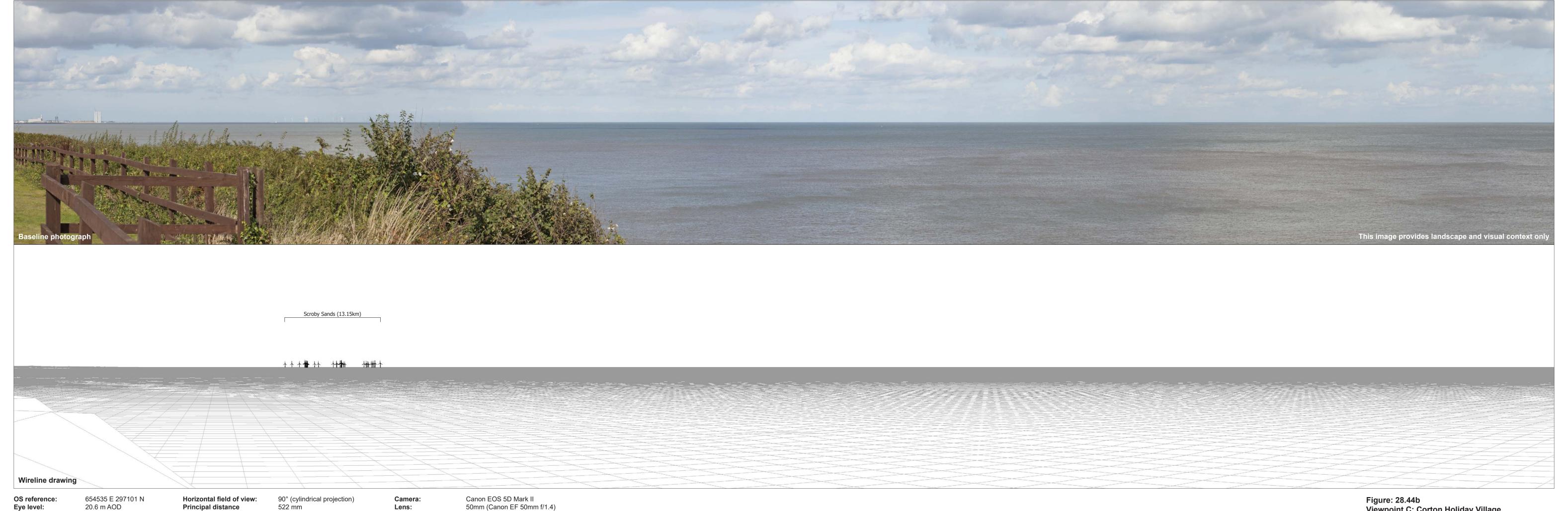
included in the analysis.

Observer height: 2m

No. of Blade Tips Visible

Cumulative Windfarm Status

50km SLVIA Study Area



38.276 km

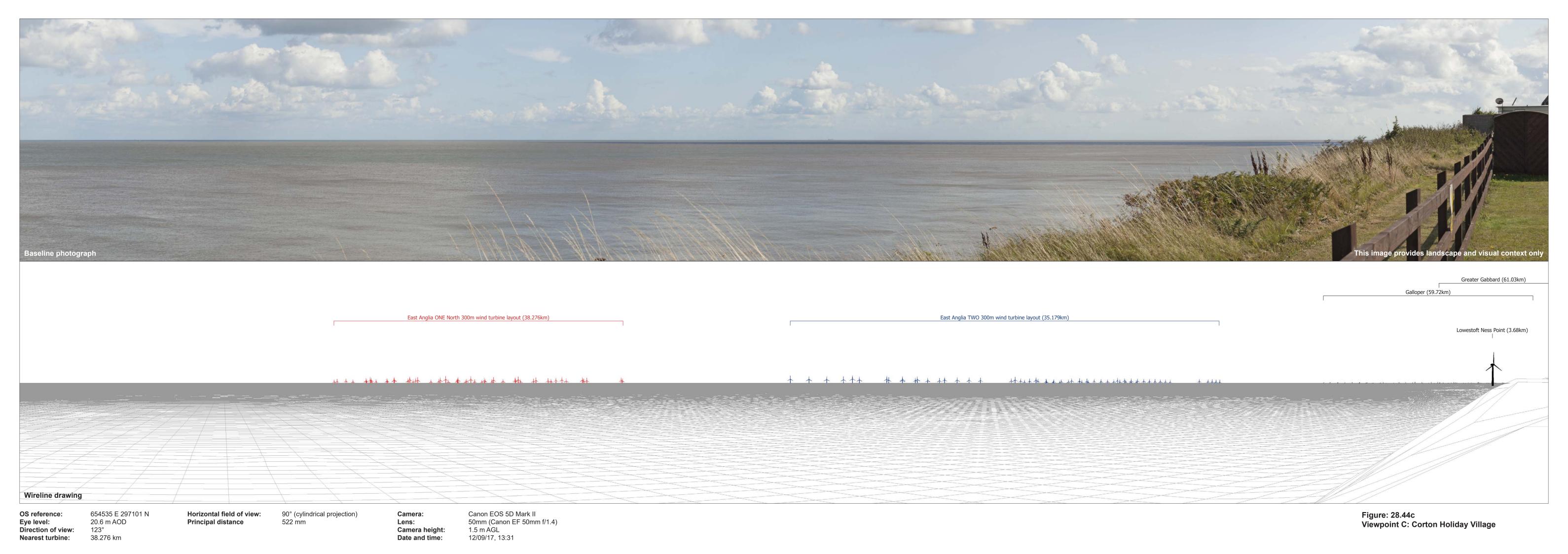
Horizontal field of view: Principal distance

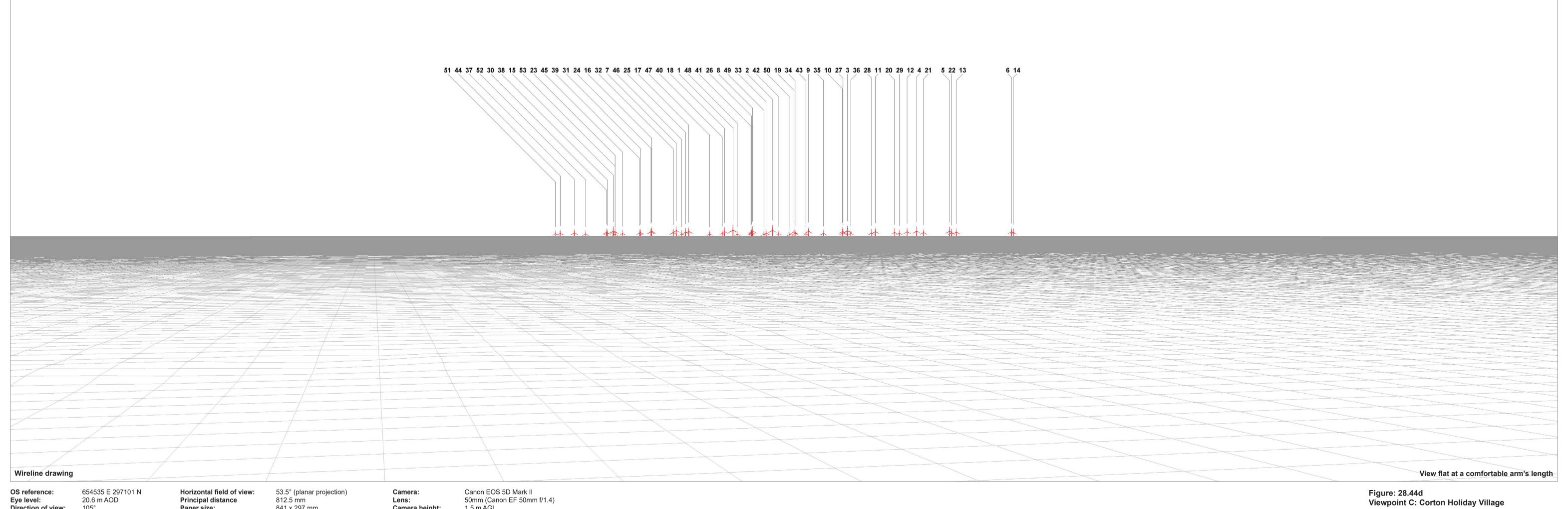
90° (cylindrical projection) 522 mm

Camera height:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 12/09/17, 13:31

Figure: 28.44b Viewpoint C: Corton Holiday Village





Direction of view:

Nearest turbine:

38.276 km

Paper size: Correct printed image size: 820 x 260 mm

841 x 297 mm

Camera height: Date and time:

1.5 m AGL 12/09/17, 13:31



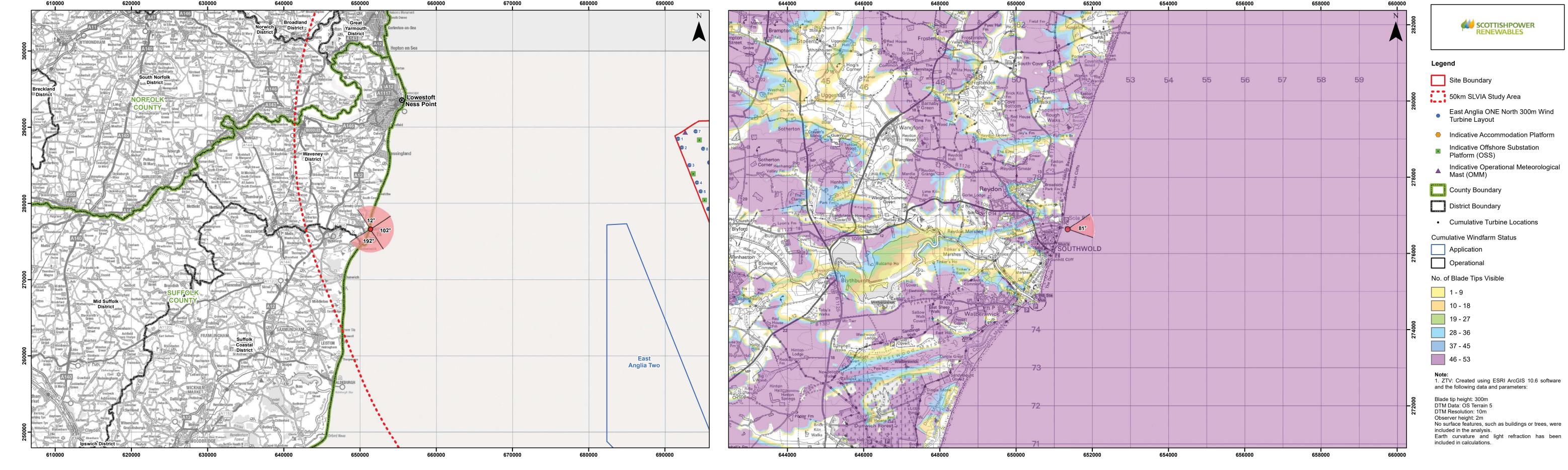
654535 E 297101 N 20.6 m AOD

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: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 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

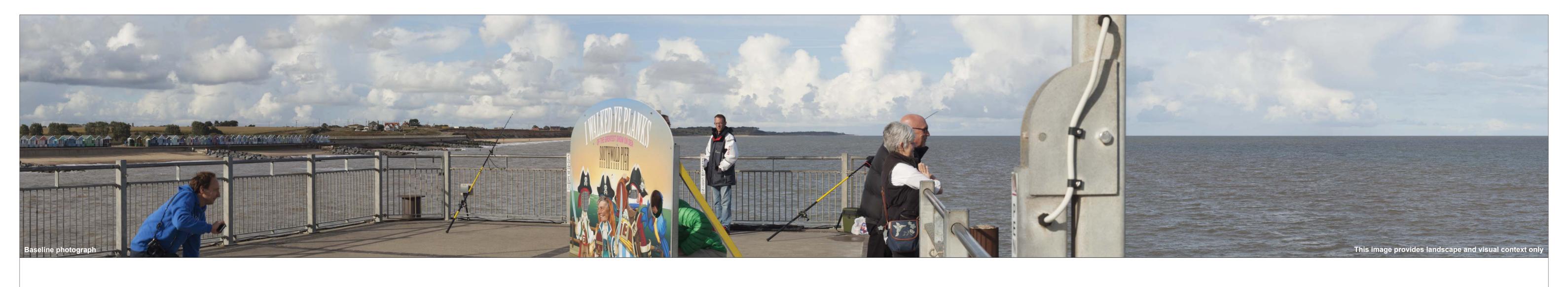
Scale: 1:50,000

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1	12/11/2018	LA	First Issue (OPEN)	Checked:	-		be liable for any loss, damage or expense caused by such errors or omissions.
Rev	Date	Ву	Comment	Approved:	LT	product has been derived in part from material obtained from theUK hydrographic Unitice with the permission of the Controller of Her Majesty's Stationery Office and UK HydrographicOffice. NOT TO BE USED FOR NAIGATION. Contains Ordnance Survey digital data © Crown copyright, All rights reserved 2018 Licence number 0100031673.	

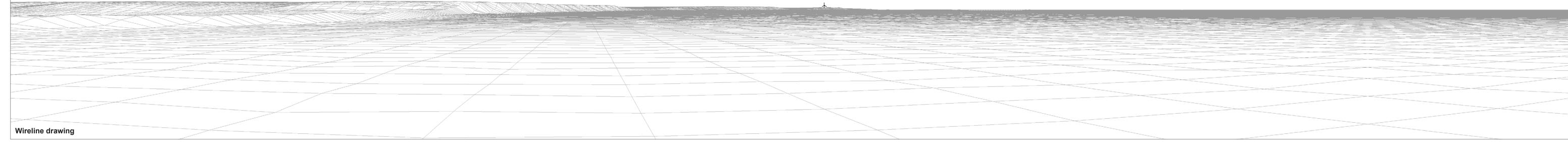
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Doc Ref	IV-REP-IBR-00029	
Rev	3	Datum:
Date	16/01/19	WGS 1984 Projection:
Figure	28.45a	Zone 31N

SCOTTISHPOWER RENEWABLES



Lowestoft Ness Point (17.43km)



OS reference: Eye level: Direction of view: Nearest turbine:

651357 E 276627 N 7.0 m AOD 42.148 km

Horizontal field of view: Principal distance

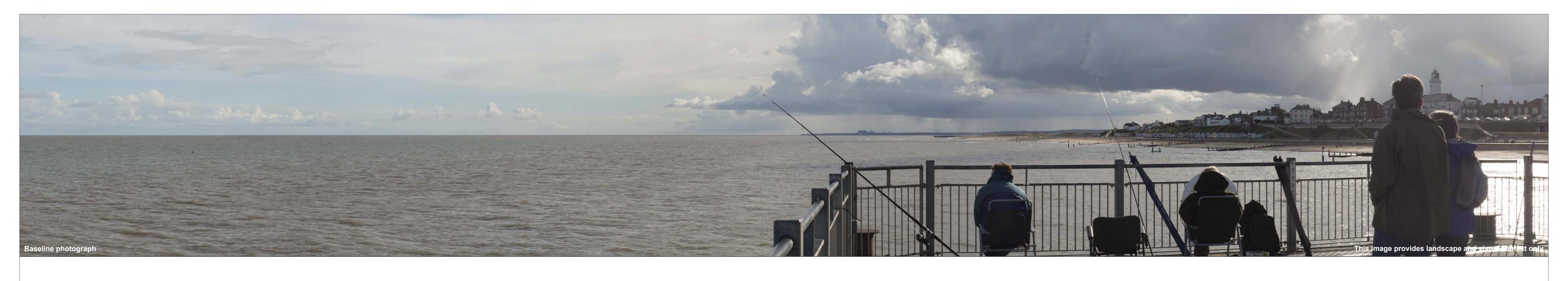
90° (cylindrical projection) 522 mm

Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 17/09/17, 15:11

Figure: 28.45b Viewpoint D: Southwold Pier





Greater Gabbard (42.72km)

Galloper (42.49km)

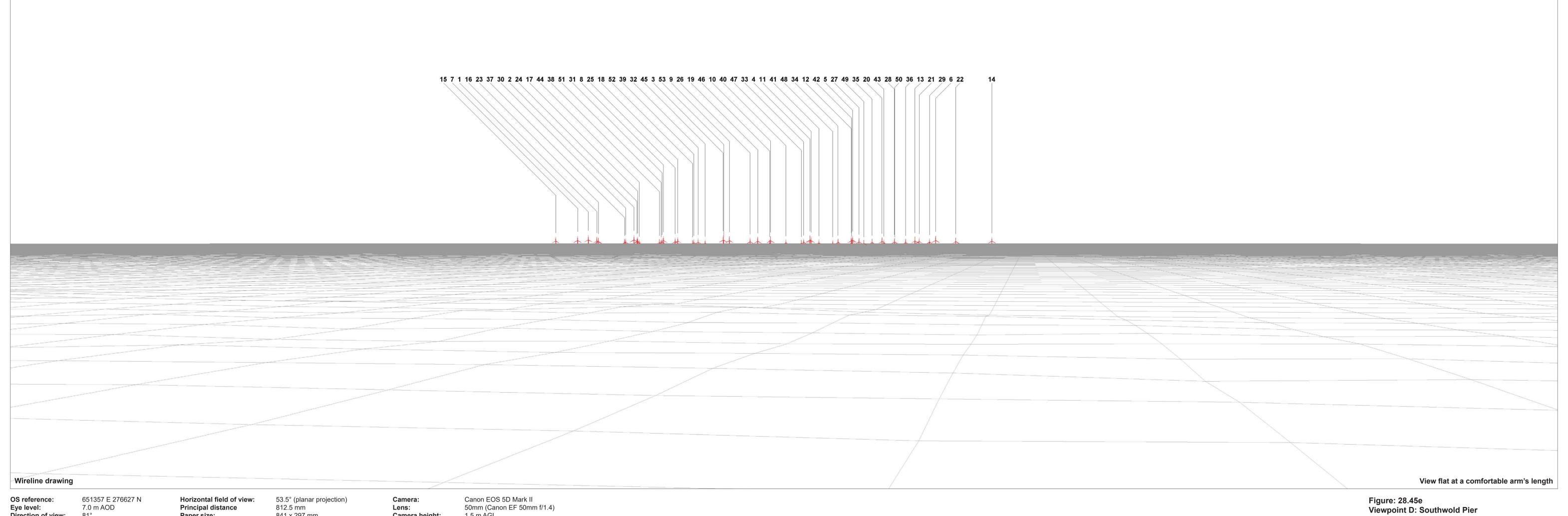
Wireline drawing OS reference:

651357 E 276627 N 7.0 m AOD Eye level:
Direction of view:
Nearest turbine: 42.148 km

Horizontal field of view: Principal distance 90° (cylindrical projection) 522 mm Camera: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 17/09/17, 15:11

Figure: 28.45d Viewpoint D: Southwold Pier



Eye level: 7.0 m
Direction of view: 81°
Nearest turbine: 42.148 7.0 m AOD 42.148 km

Principal distance Paper size: Correct printed image size: 820 x 260 mm

812.5 mm 841 x 297 mm Camera height: Date and time:

1.5 m AGL 17/09/17, 15:11



651357 E 276627 N 7.0 m AOD 42.148 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: Lens: Camera height: Date and time:

Canon EOS 5D Mark II 50mm (Canon EF 50mm f/1.4) 1.5 m AGL 17/09/17, 15:11

Figure: 28.45f Viewpoint D: Southwold Pier