



# FIVE ESTUARIES OFFSHORE WIND FARM ENVIRONMENTAL STATEMENT

VOLUME 6, PART 7, ANNEX 10.3.14  
FIGURE 10.34 VIEWPOINT 9  
ORFORDNESS - BOMB BALLISTICS  
BUILDING

Application Reference	EN010115
Application Document Number	6.7.10.3.14
Revision	A
APFP Regulation:	5(2)(a)
Date	March 2024



Project	Five Estuaries Offshore Wind Farm
Sub-Project or Package	Environmental Statement
Document Title	Volume 6, Part 7, Annex 10.3.14 Figure 10.34 Viewpoint 9 Orfordness - Bomb Ballistics Building
Application Document Number	6.7.10.3.14
Revision	A
APFP Regulation	5(2)(a)
Document Reference	005024271-01

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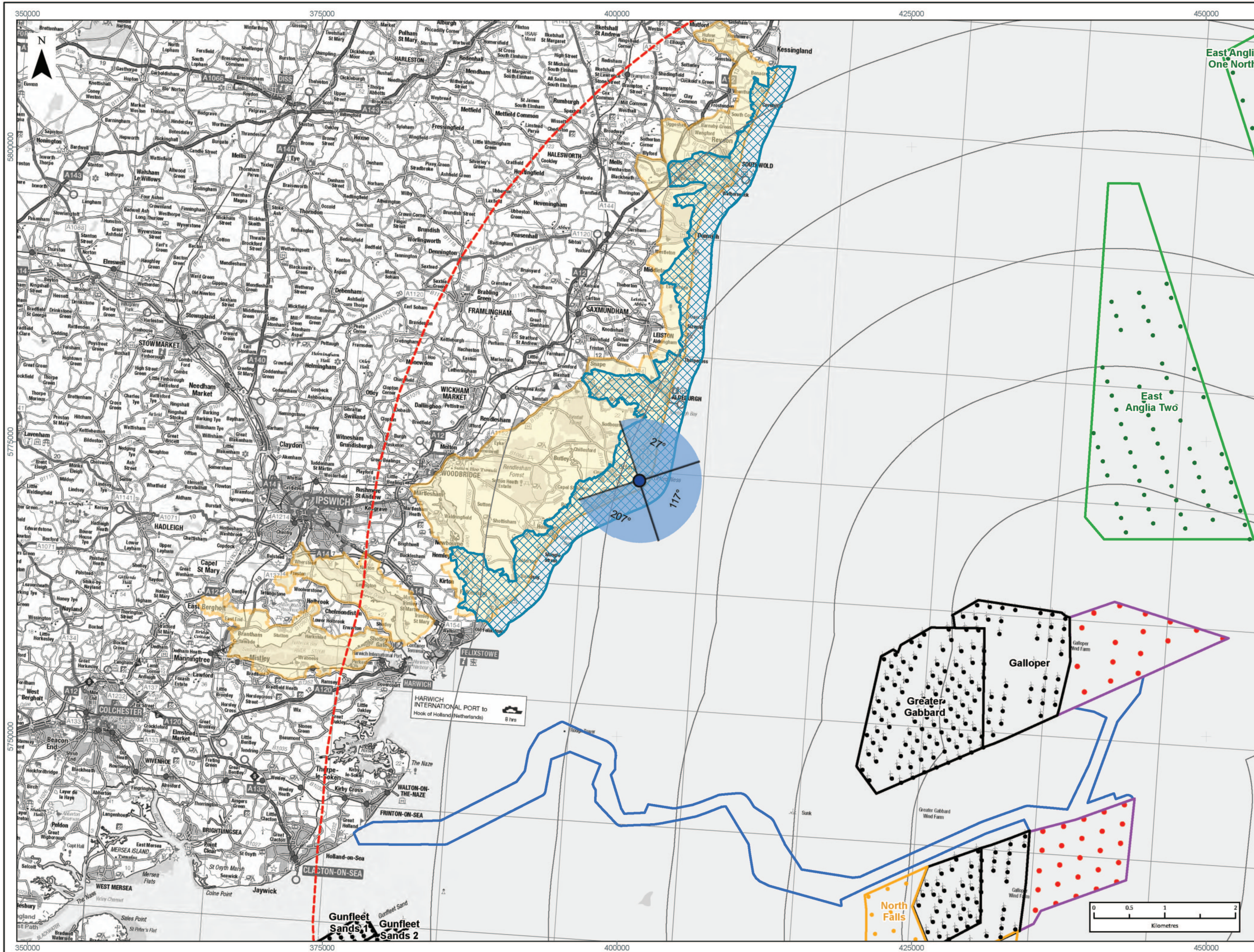
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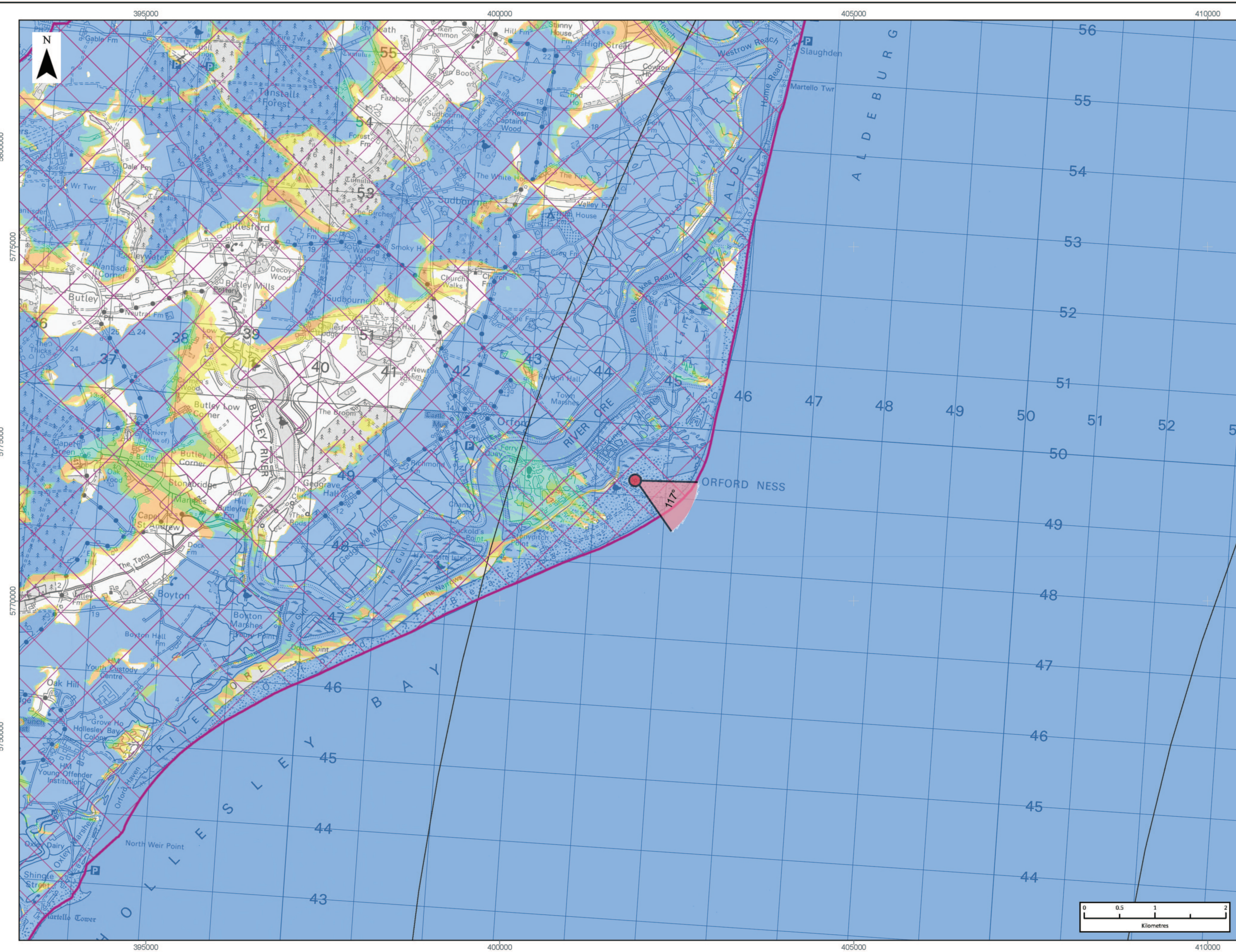
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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
A	Mar-24	ES	OPEN	GoBe	VEOWFL



Viewpoint Location Plan Baseline Panorama (90 Degree View)  
Scale: 1:300,000



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

**LEGEND**

- 53.5 Degree Field of View
- 90 Degree Field of View
- Indicative Turbines
- Array Areas
- Offshore Export Cable Corridor
- 10km Radii
- 60km Study Area
- Suffolk Heritage Coast
- Suffolk Coast & Heaths Area of Natural Beauty (CWF Pane)
- Suffolk Coast & Heaths Area of Natural Beauty (Viewpoint Pane)

**No. of Blade Tips Theoretically Visible\***

- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41

**Wind Farm Development Status**

- Operational
- Consented
- Pre-Application

**\*TIV Parameters**  
Blade Tip: 39.5m  
DTM: OS 15/150/SRTM  
DTM Resolution: 10m  
Observer Height: 2m  
Surface Features: Excluded  
Earth Curvature: Included

**PROJECT TITLE:**  
FIVE ESTUARIES OFFSHORE WINDFARM

**DRAWING TITLE:**  
Viewpoint Plan - VP 9  
Orfordness (Roof - Bomb Ballistics Building)

VER	DATE	REMARKS	Drawn	Checked
1	02/02/2024	For Issue	RA	SM

**DRAWING NUMBER:**  
10.34a

SCALE: 1:50,000    PLOT SIZE: A3    DATUM: WGS84    PROJECTION: UTM31N

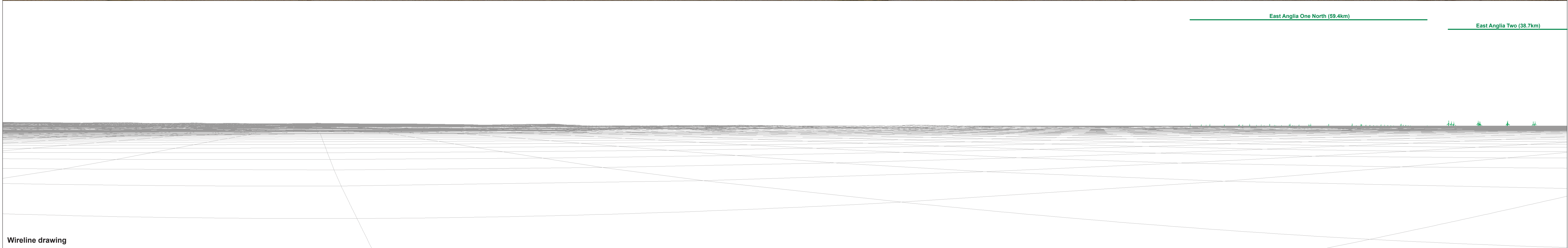
**FIVE ESTUARIES OFFSHORE WINDFARM**

Right 141035 Project VP19ed02024 - Golder Consultants Ltd02010 Five EstuariesOffshoreWindfarm2024 10 Environmental StatementLandscape0202024 02010 02010 Viewpoint Plan\_Layout.apr



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

OS reference: 644559 E 249211 N  
 Eye level: 9.3 mAOD  
 Direction of view: 27°  
 Nearest turbine: 39.6 km  
 VE Array Area: 38.2 km

Horizontal field of view: 90° (cylindrical projection)  
 Principal distance: 522 mm  
 Paper size: 841 x 297 mm (half A1)  
 Correct printed image size: 820 x 130 mm

Camera: Canon EOS 6D  
 Lens: Canon EF 50mm f/1.4  
 Camera height: 6.5 m  
 Date and time: 28/09/2021 08:59

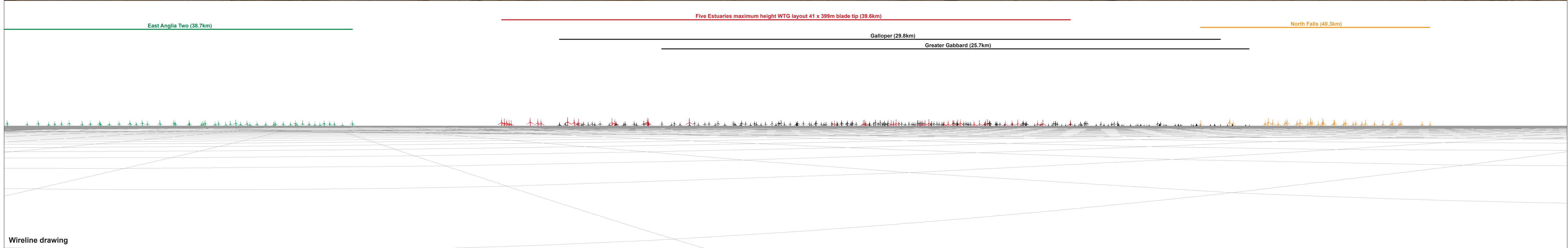
Figure 10.34b  
 Viewpoint 9: Orfordness (Roof - Bomb Ballistics Building)

Five Estuaries



Baseline photograph

This image provides landscape and visual context only



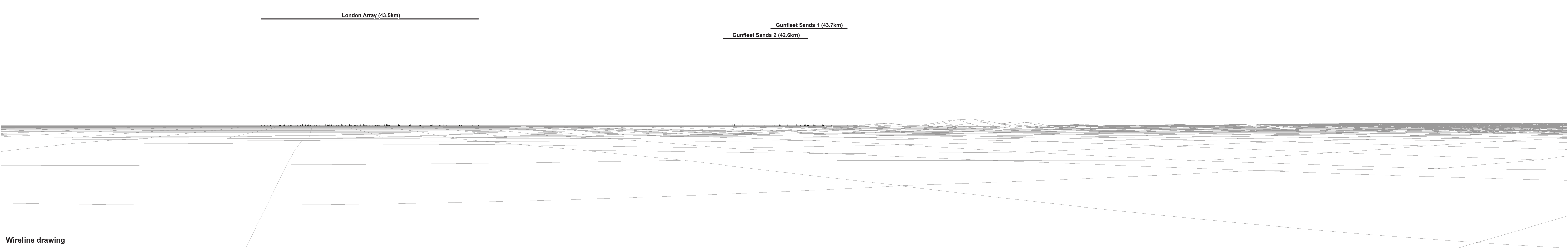
Wireline drawing

OS reference: 644559 E 249211 N  
 Eye level: 9.3 mAOD  
 Direction of view: 117°  
 Nearest turbine: 39.6 km  
 VE Array Area: 38.2 km

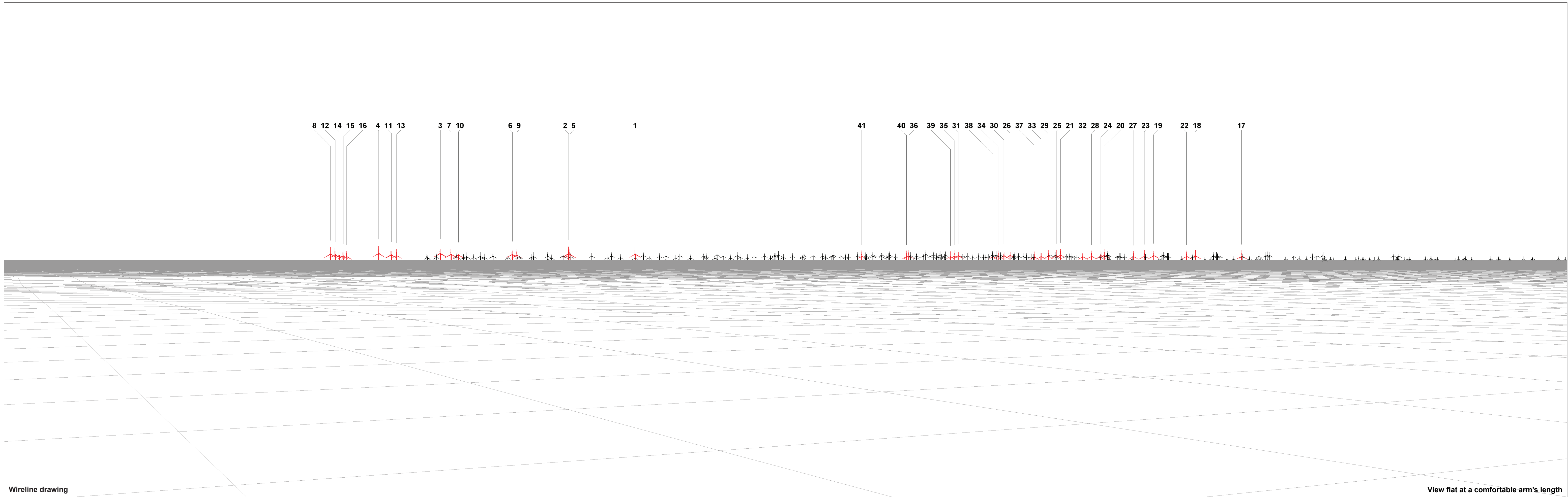
Horizontal field of view: 90° (cylindrical projection)  
 Principal distance: 522 mm  
 Paper size: 841 x 297 mm (half A1)  
 Correct printed image size: 820 x 130 mm

Camera: Canon EOS 6D  
 Lens: Canon EF 50mm f/1.4  
 Camera height: 6.5 m  
 Date and time: 28/09/2021 08:59

Figure 10.34c  
 Viewpoint 9: Orfordness (Roof - Bomb Ballistics Building)  
 Five Estuaries



<p><b>OS reference:</b> 644559 E 249211 N</p> <p><b>Eye level:</b> 9.3 mAOD</p> <p><b>Direction of view:</b> 207°</p> <p><b>Nearest turbine:</b> 39.6 km</p> <p><b>VE Array Area:</b> 38.2 km</p>	<p><b>Horizontal field of view:</b> 90° (cylindrical projection)</p> <p><b>Principal distance:</b> 522 mm</p> <p><b>Paper size:</b> 841 x 297 mm (half A1)</p> <p><b>Correct printed image size:</b> 820 x 130 mm</p>	<p><b>Camera:</b> Canon EOS 6D</p> <p><b>Lens:</b> Canon EF 50mm f/1.4</p> <p><b>Camera height:</b> 6.5 m</p> <p><b>Date and time:</b> 28/09/2021 08:59</p>	<p>Figure 10.34d</p> <p><b>Viewpoint 9: Orfordness (Roof - Bomb Ballistics Building)</b></p> <p><b>Five Estuaries</b></p> <p><small>© Crown copyright, Ordnance Survey All rights reserved (2023). Licence number 0100031673</small></p>
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OS reference: 644559 E 249211 N  
 Eye level: 9.3 mAOD  
 Direction of view: 117°  
 Nearest turbine: 39.6 km  
 VE Array Area: 38.2 km

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

Camera: Canon EOS 6D  
 Lens: Canon EF 50mm f/1.4  
 Camera height: 6.5 m  
 Date and time: 28/09/2021 08:59

Figure 10.34e  
 Viewpoint 9: Orfordness (Roof - Bomb Ballistics Building)  
 Five Estuaries



Baseline Photograph (operational offshore wind turbines have been rendered into this view)

View flat at a comfortable arm's length

<b>OS reference:</b> 644559 E 249211 N	<b>Horizontal field of view:</b> 53.5° (planar projection)	<b>Camera:</b> Canon EOS 6D
<b>Eye level:</b> 9.3 mAOD	<b>Principal distance:</b> 812.5 mm	<b>Lens:</b> Canon EF 50mm f/1.4
<b>Direction of view:</b> 117°	<b>Paper size:</b> 841 x 297 mm (half A1)	<b>Camera height:</b> 6.5 m
<b>Nearest turbine:</b> 39.6 km	<b>Correct printed image size:</b> 820 x 260 mm	<b>Date and time:</b> 28/09/2021 08:59
<b>VE Array Area:</b> 38.2 km		

Figure 10.34f  
Viewpoint 9: Orfordness (Roof - Bomb Ballistics Building)





Photomontage: Proposed Development

View flat at a comfortable arm's length

**OS reference:** 644559 E 249211 N  
**Eye level:** 9.3 mAOD  
**Direction of view:** 117°  
**Nearest turbine:** 39.6 km  
**VE Array Area:** 38.2 km

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

**Camera:** Canon EOS 6D  
**Lens:** Canon EF 50mm f/1.4  
**Camera height:** 6.5 m  
**Date and time:** 28/09/2021 08:59

Figure 10.34g  
**Viewpoint 9: Orfordness (Roof - Bomb Ballistics Building)**

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**F I V E**   
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