

RWE Renewables UK Dogger Bank South (West) Limited RWE Renewables UK Dogger Bank South (East) Limited

Dogger Bank South Offshore Wind Farms

Environmental Statement

Volume 7

Chapter 23 - Landscape and Visual Impact Assessment

Figure 23-1 to Figure 23-17 (Revision 4)

April 2025

Application Reference: 7.23.1

APFP Regulation: 5(2)(a)

Revision: 04

Unrestricted



Company:	RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited	Asset:	Development	
Project:	Dogger Bank South Offshore Wind Farms	Sub Project/Package:	Consents	
Document Title or Description:	Environmental Statement - Chapter 23 - Figure 23-1 to Figure 23-17 (Revision 4)			
Document Number:	004300167-04	Contractor Reference Number:	PC2340-RHD-ON- ZZ-RP-Z-0106	

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Rev No.	Date	Status/Reason for Issue	Author	Checked by	Approved by
01	June 2024	Final for DCO Application	LUC	RWE	RWE
02	October 2024	Submission at Pre- Examination Procedural Deadline	LUC	RWE	RWE
03	February 2025	Submission for Deadline 2	LUC	RWE	RWE
04	April 2025	Submission for Deadline 4	LUC	RWE	RWE

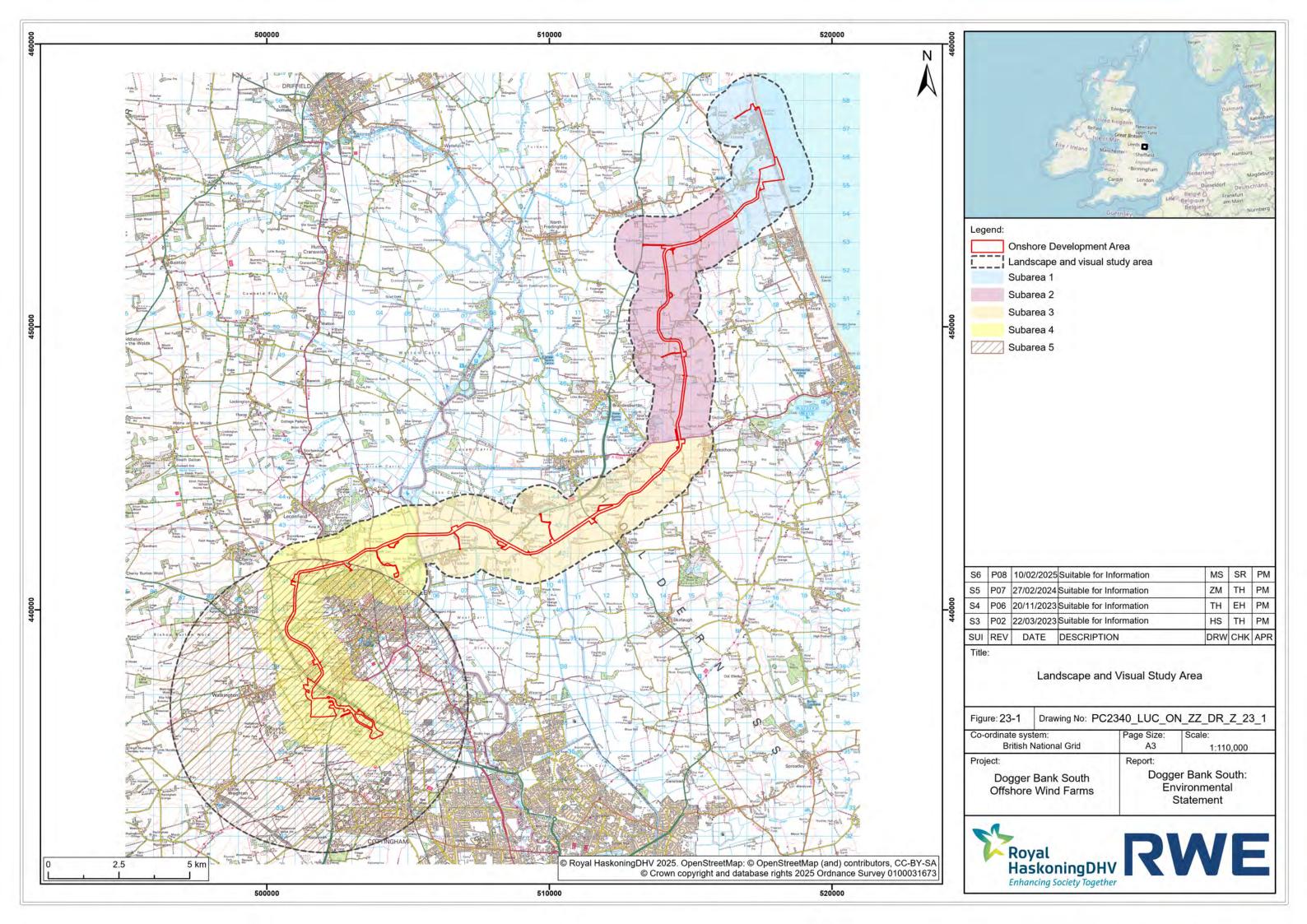
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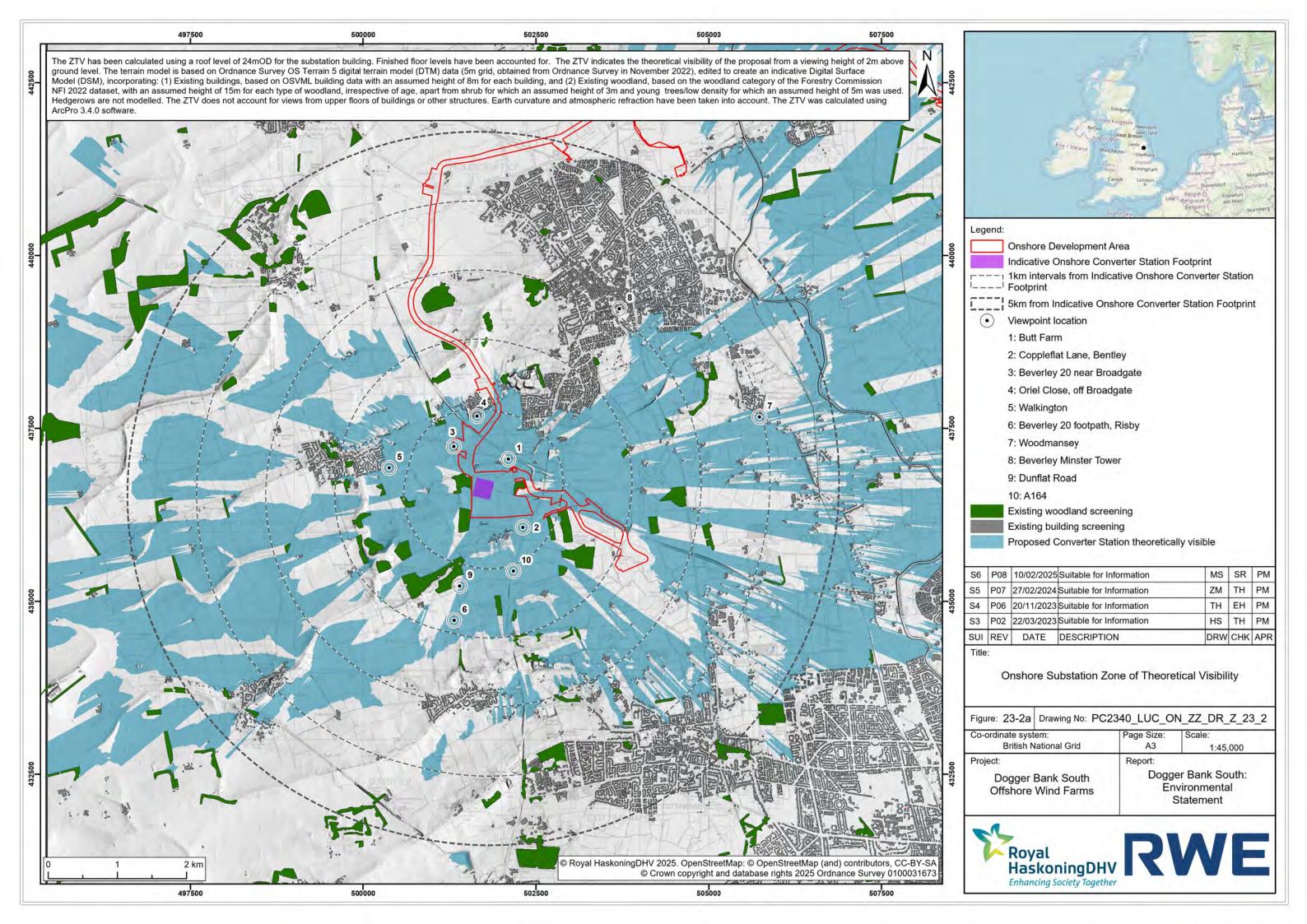


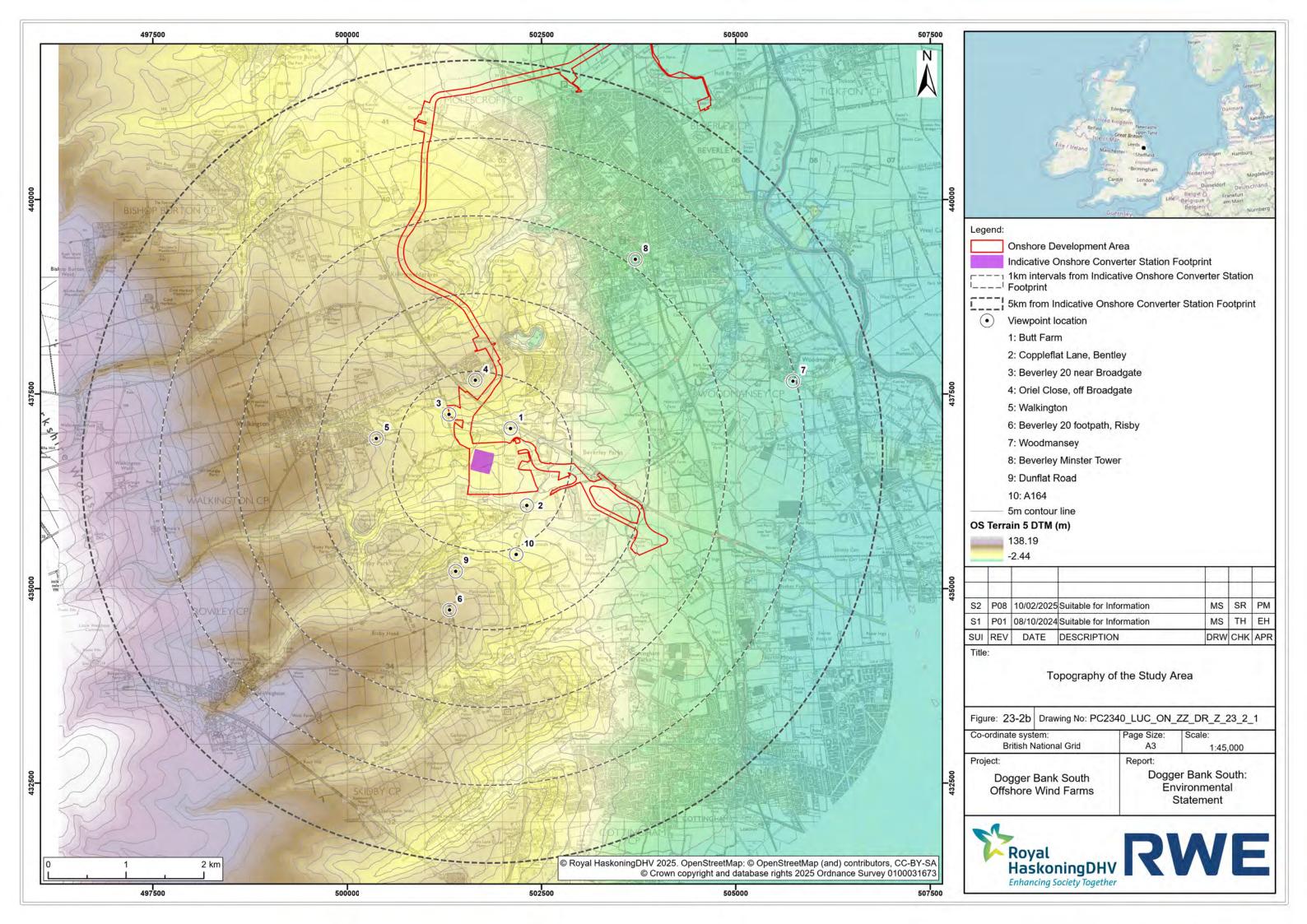
Revision Change Log					
Rev No.	Page	Section	Description		
01	N/A	N/A	Submitted for DCO Application.		
02	6	Figure 23-2b	Figure 23-2b created to show the topography data in relation to the LVIA Study Area to address the Rule 6 Errata.		
02	10	Figure 23-6	Amended figure legend to clearly identify the area to be returned to agriculture as requested in the Rule 6 Errata.		
03	5	Figure 23-1	Figure 23-1 has been updated to reflect Project Change Request 2 [AS-152] change to the Onshore Order Limits.		
03	6,7	Figure 23-2	Figure 23-2 has been updated to reflect Project Change Request 2 [AS-152] change to the Onshore Order Limits and to show the additional Viewpoint 9 and 10.		
03	8	Figure 23-3	Figure 23-3 has been updated to reflect Project Change Request 2 [AS-152] change to the Onshore Order Limits.		
03	9	Figure 23-4	Figure 23-4 has been updated to reflect Project Change Request 2 [AS-152] change to the Onshore Order Limits.		
03	10	Figure 23-5	Figure 23-5 has been updated to reflect Project Change Request 2 [AS-152] change to the Onshore Order Limits.		
03	11	Figure 23-6	Figure 23-6 has been updated to reflect Project Change Request 2 [AS-152] change to the indicative landscape plan within the Onshore Substation Zone.		
03	12 to 64	Figure 23-7 Figure 23-8 Figure 23-9 Figure 23-10 Figure 23-11 Figure 23-12 Figure 23-14 Figure 23-15	 Figure 23-7 to Figure 23-15 have been updated to reflect Project Change Request 2 [AS-152] change to the footprint of the Onshore Converter Stations reflect Project Change Request 2 [AS-152] change to the Onshore Order Limits. Provide winter viewpoints with visualisations and baseline winter photography as requested by the ExA in the Rule 17 Letter [PD-006] for Viewpoint 1, 2, 3, 4 and 6. 		

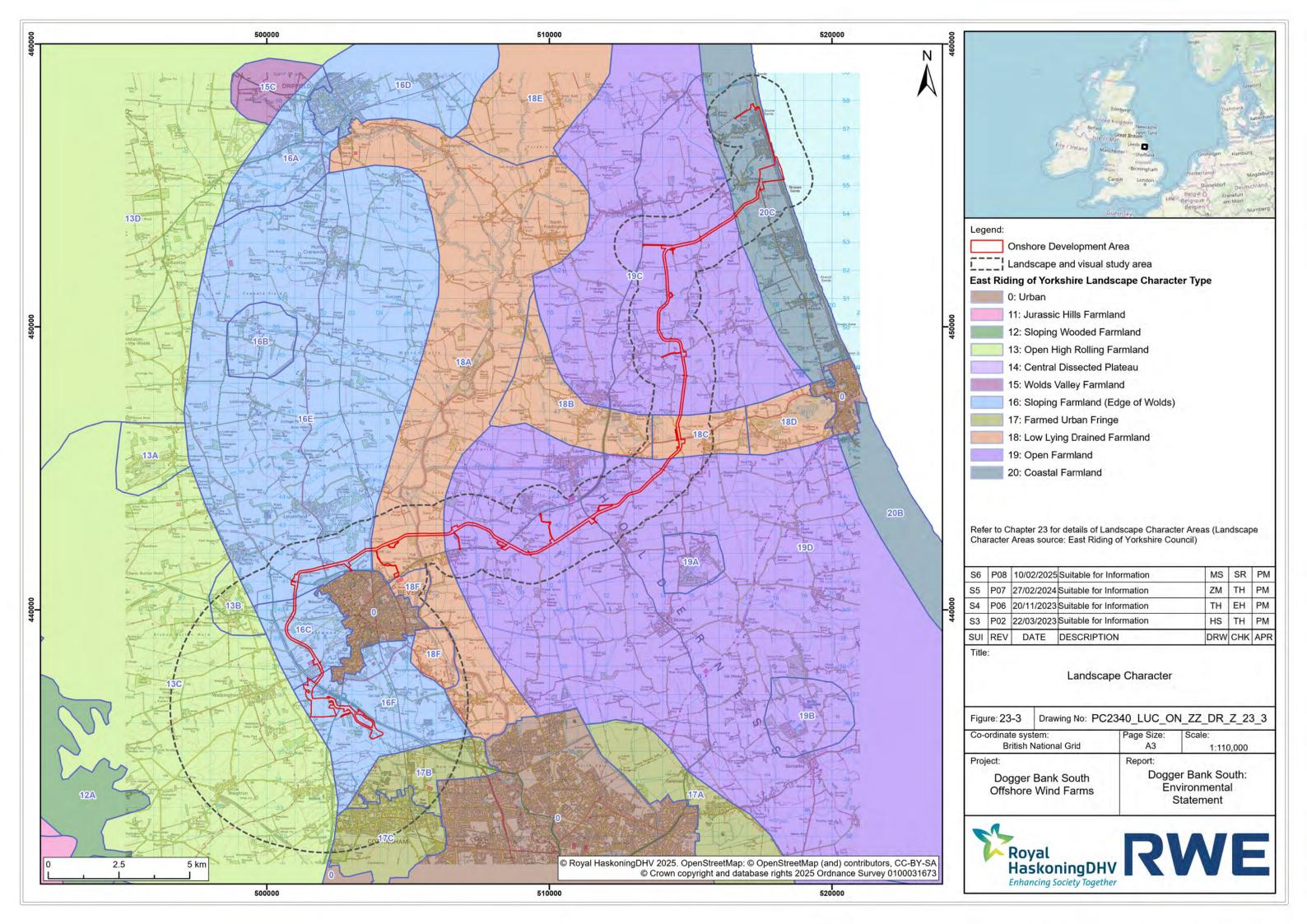


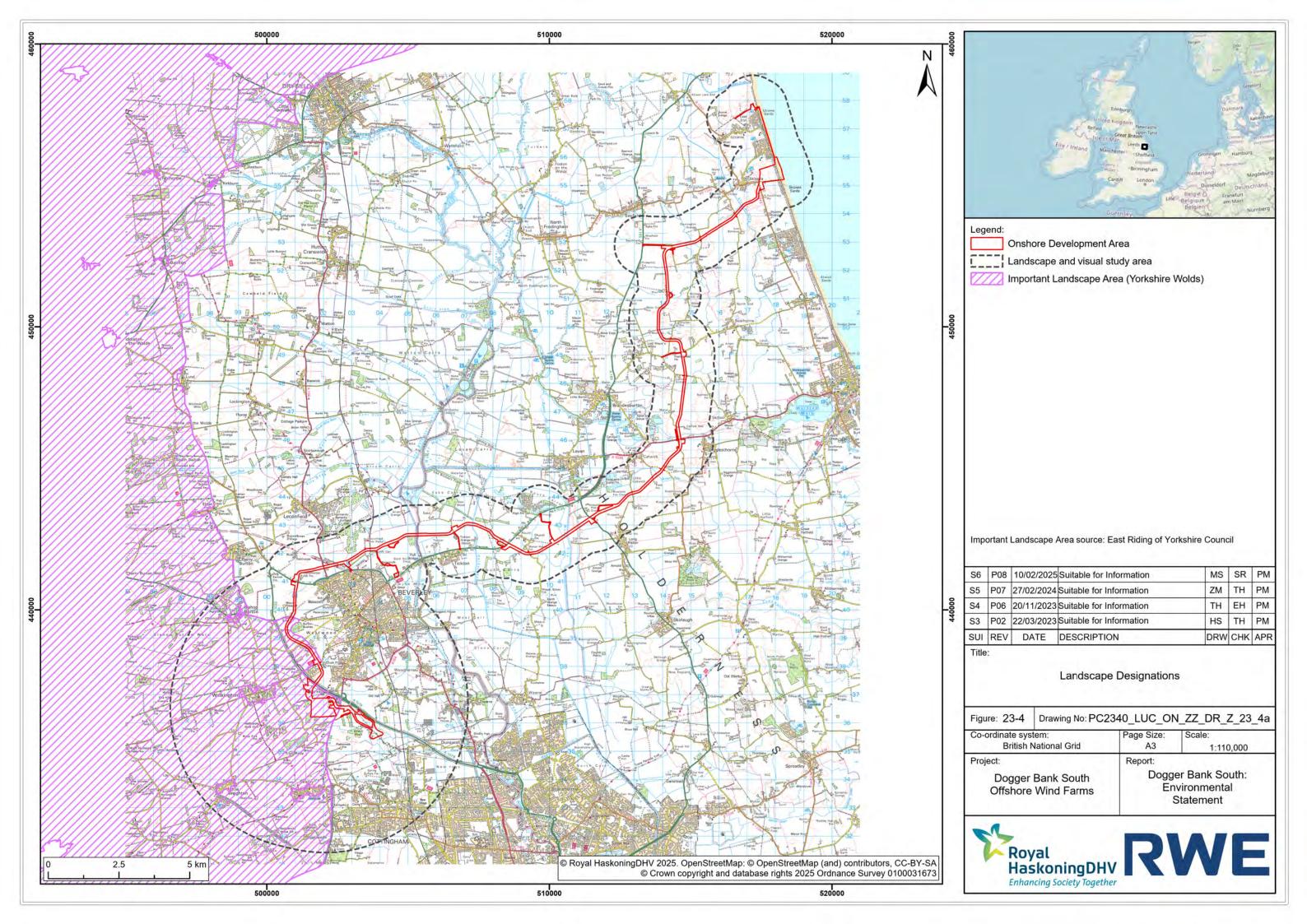
			T
03	29	Figure 23-9	Figure 23-9, Viewpoint 3, has also been updated to include the 10 year mitigation planting with compound extent as referenced in The Applicants' Responses to Issue Specific Hearing 2 (ISH2) Supplementary Agenda Questions [REP1-050] Agenda Item 9: Seascape, Landscape and Visual, ISH2.9.9 and provided in response to East Riding of Yorkshire Council's Local Impact Report [PDC-007] as referenced in The Applicants' Response to East Riding of Yorkshire Council's Local Impact Report [REP1-048].
03	65 to 69	Figure 23-16	Figure 23-16 Viewpoint 9: Dunflat Road, is an additional Viewpoint as requested by the ExA in the Rule 17 Letter [PD-006].
03	70 to 74	Figure 23-17	Figure 23-17 Viewpoint 10, A164, is an additional Viewpoint initially requested by ERYCs landscape consultants as referenced in Appendix A of the ERYC Statement of Common Ground [REP1-028]. This request was followed up with a request by the ExA in the Supplementary Agenda Questions for Issue Specific Hearing 2 (ISH2) on Wednesday 15 and Thursday 16 January 2025 [EV5-002] and discussed in The Applicants' Responses to Issue Specific Hearing 2 (ISH2) Supplementary Agenda Questions [REP1-050] Agenda Item 9: Seascape, Landscape and
			Visual, ISH2.9.6.
04	13-17	Figure 23-7e	Figure 23-7e has been updated following ISH4 Action Point 17 [EV9-004] which requested the left coverage was reviewed to ensure it was reflective of a winter landscape.
04	57 58	Figure 23- 15a3 Figure 23- 15a4	Cultural Heritage Viewpoint 2, Figure 23-15a3 has been updated following ISH4 Action Point 30 [EV9-004] which requested a visualisation to be provided which would show the proposed access road from the scheduled monument near to Butt Farm. The access road to the Onshore Converter Station(s) has been added to Figure 23-15a3 and Figure 23-15a4. Figure 23-15a4 has also been updated to show the access road to the Onshore Converter Station(s) with the proposed hedgerow planting along the access road as mitigation planting at year 10.

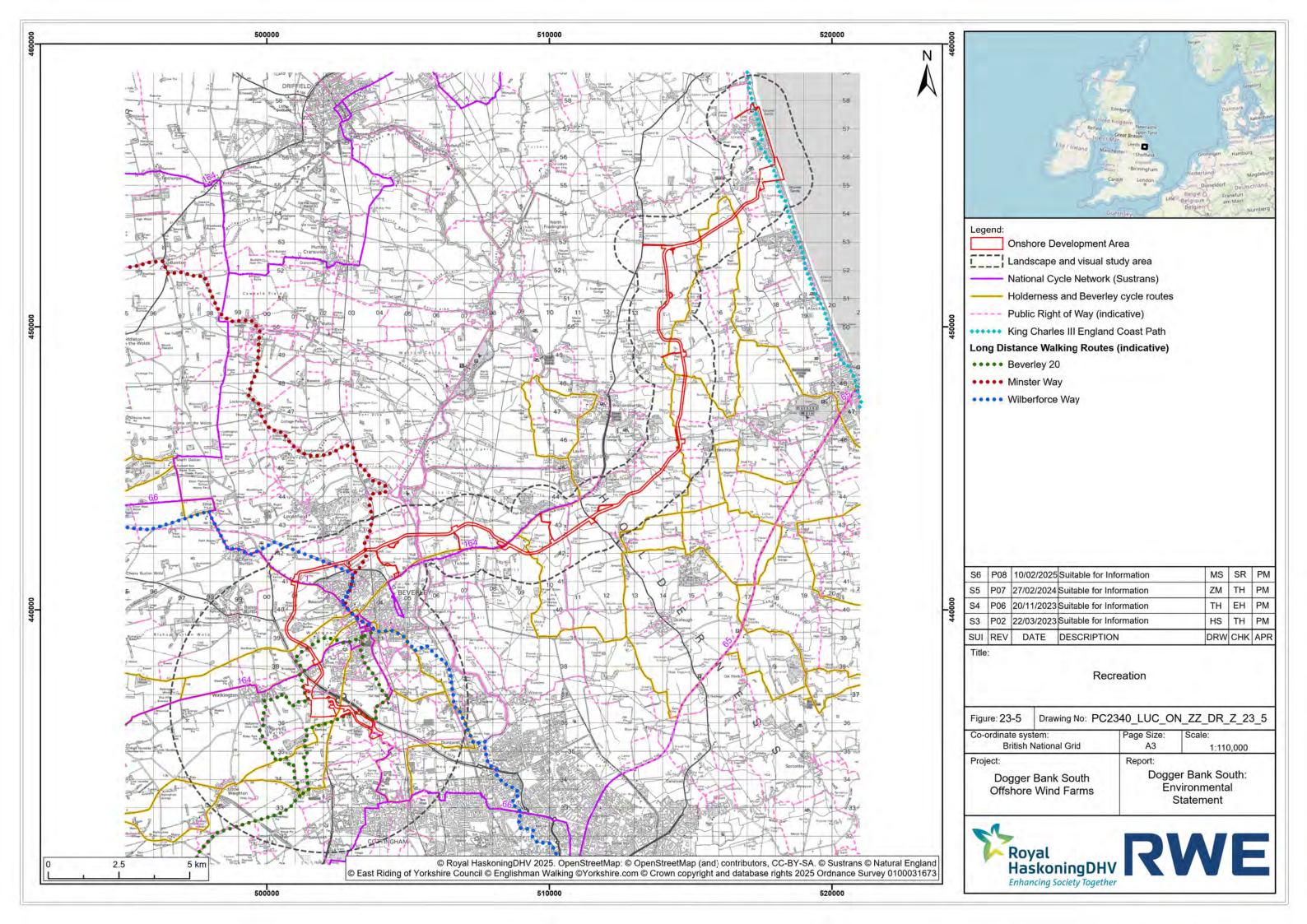


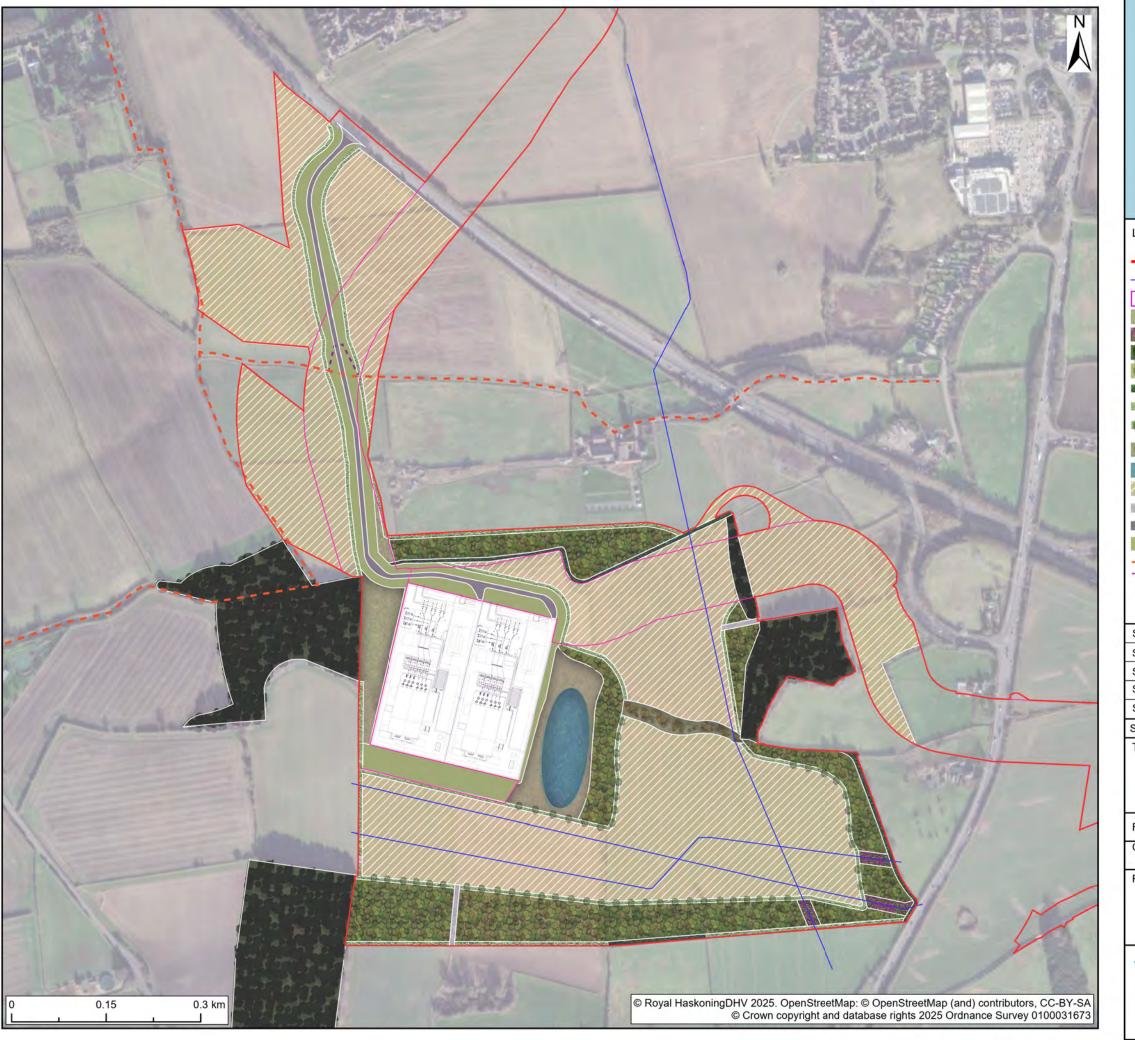














Legend:

Onshore Substation Zone

Existing utilities

Area of underground cables

Proposed meadow grassland

Proposed woodland meadow Existing woodland to be retained

Proposed native woodland

Existing hedgerow to be retained

Proposed native hedgerow

Proposed native hedgerow with trees

Enhancement of existing watercourse vegetation

Area for SUDs (indicative)

Area to be returned to agriculture

Maintained access through planting

New access

Area of earthworks to be re-seeded with grassland

---- Public Right of Way
----- Public Right of Way diversion

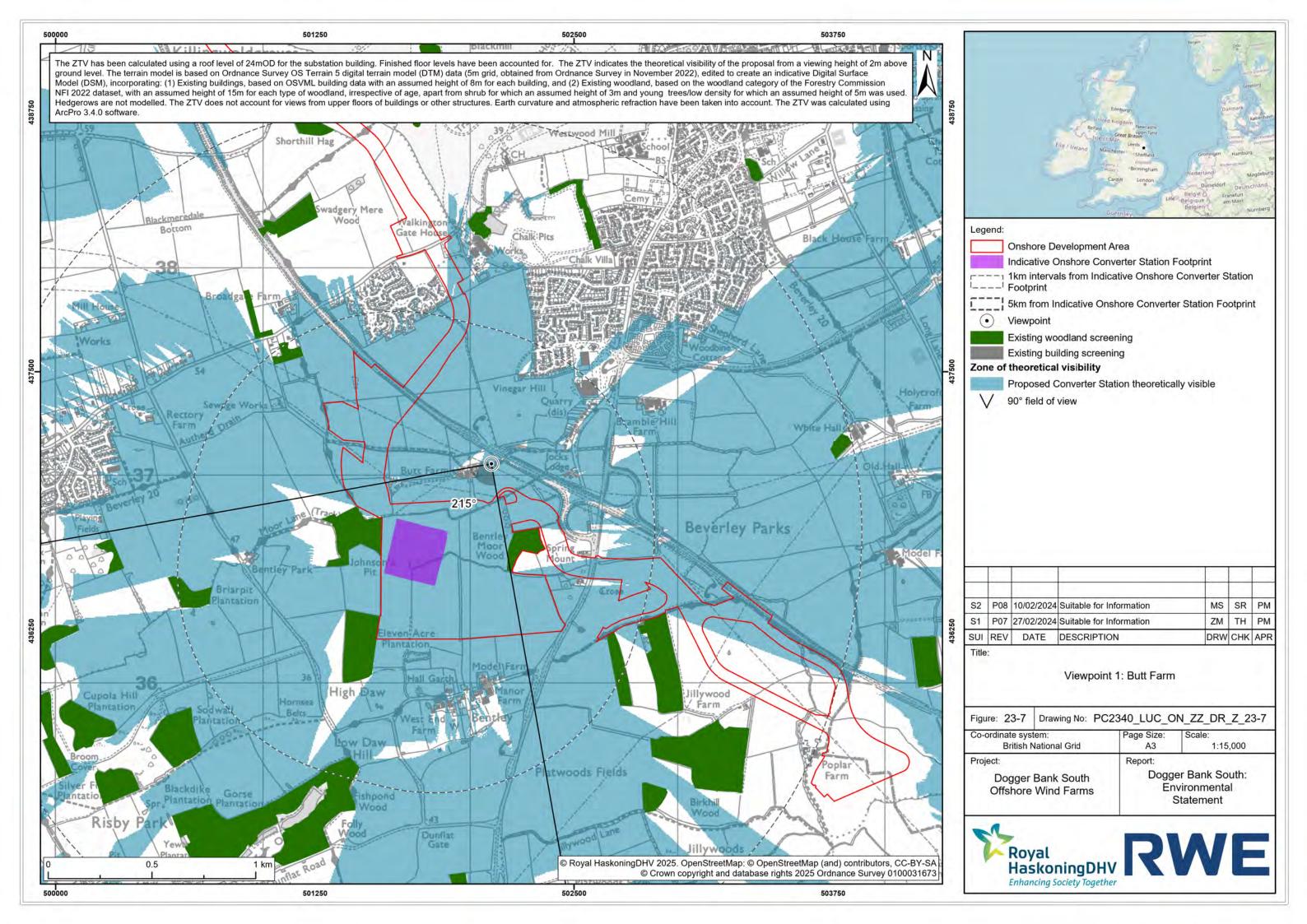
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S4	P06	22/11/2023	Suitable for Information	SH	EH	РМ
S3	P02	22/03/2023	Suitable for Information	HS	TH	РМ
SUI	REV	DATE	DESCRIPTION	DRW	СНК	APR

Indicative Landscape Plan

Figure: 23-6	Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23_6			
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Project: Dogger Bank South Offshore Wind Farms		Report:		3
		Dogger Bank South: Environmental		











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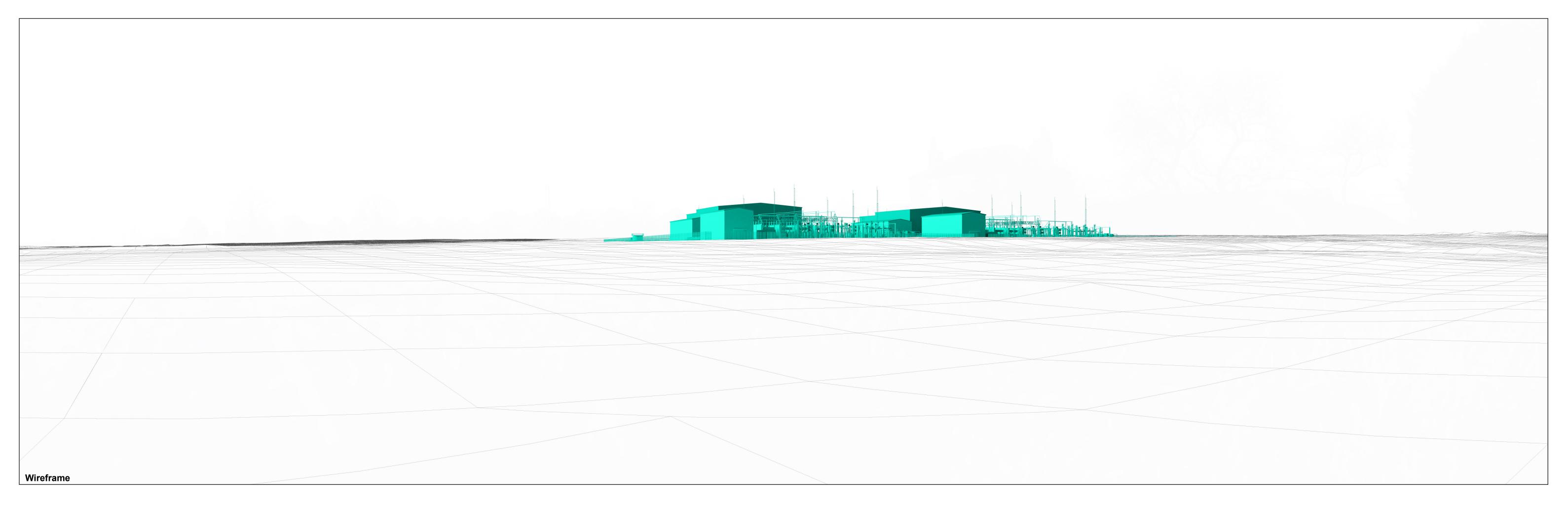
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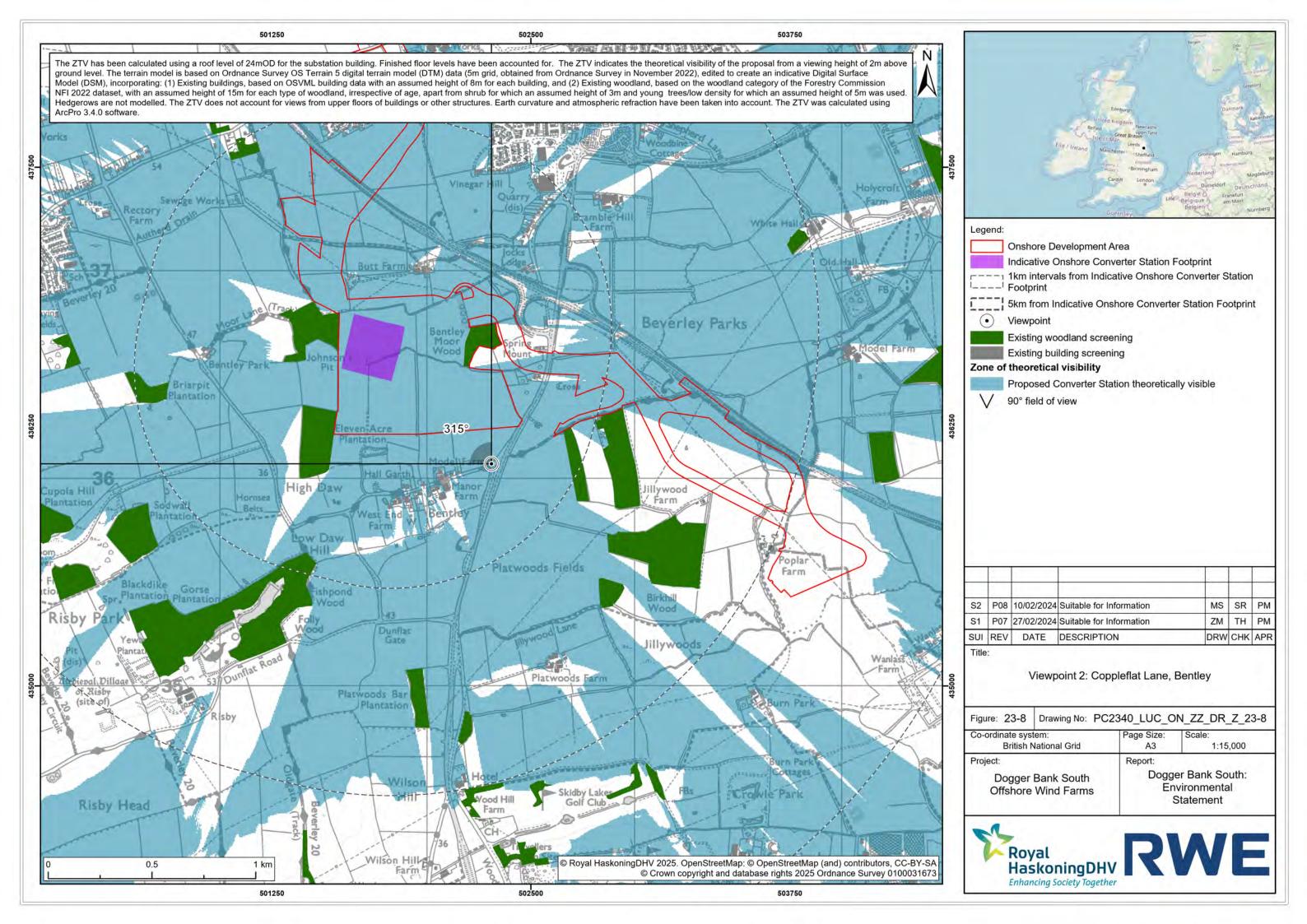
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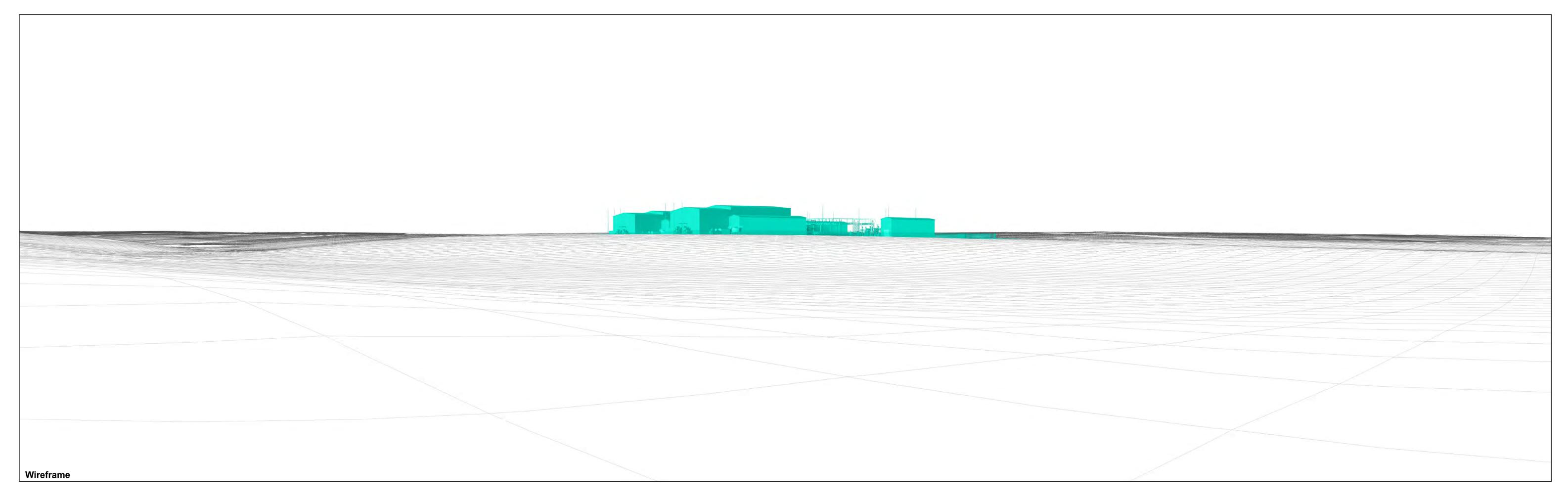




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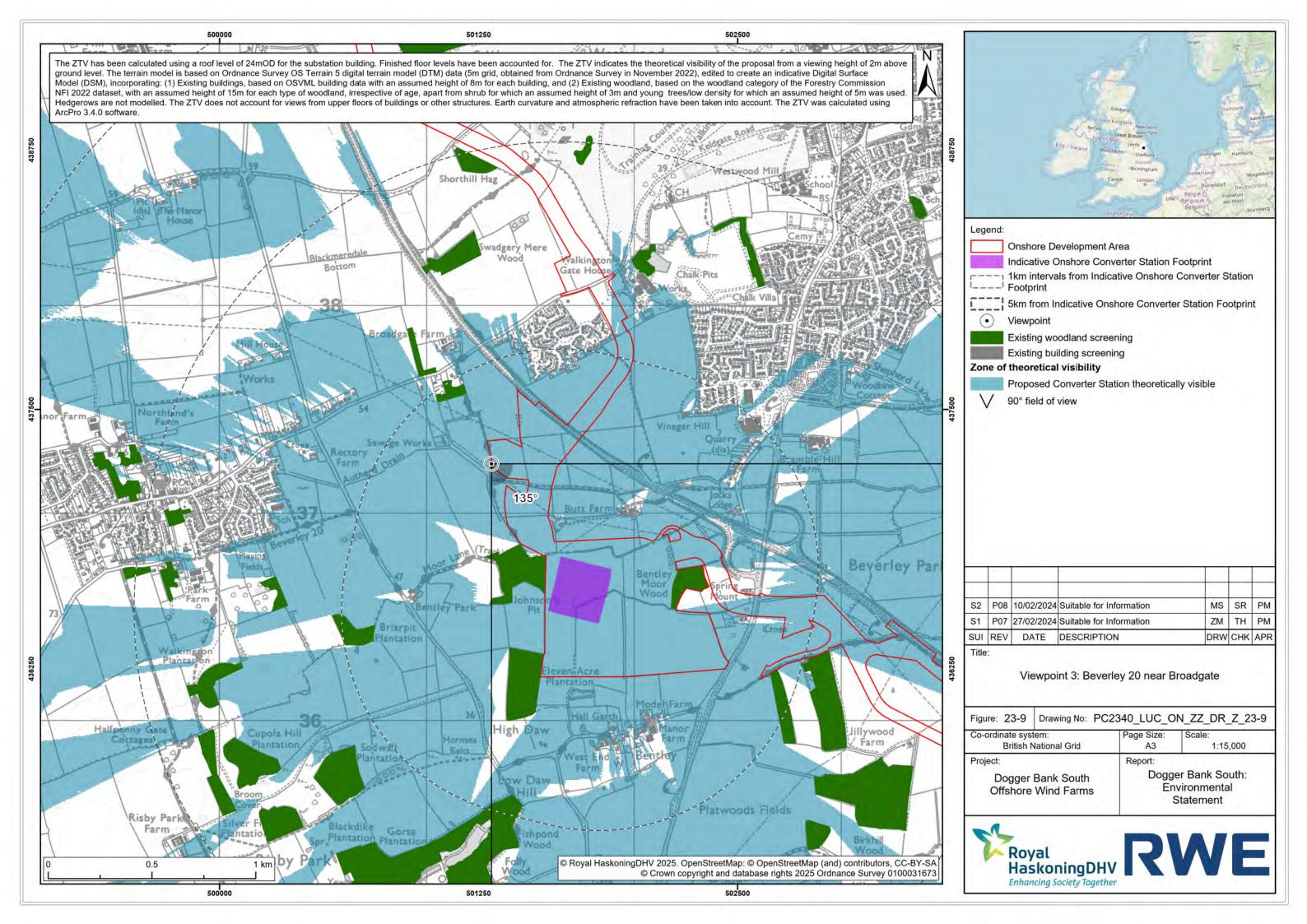




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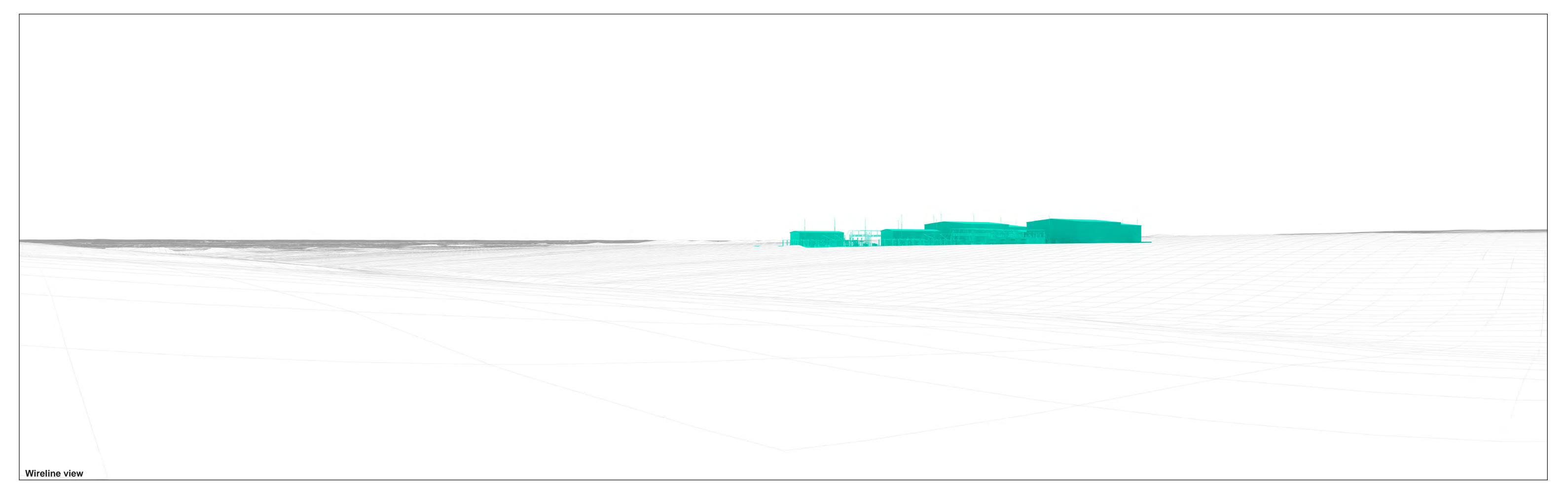






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Platform height of Western HVDC at 33.45m AOD and Eastern HVDC at 30.4m provided by Royal Haskoning on 12/10/2023

Dogger Bank South Offshore Wind Farms: Environmental Statement Report
Figure 23-9b





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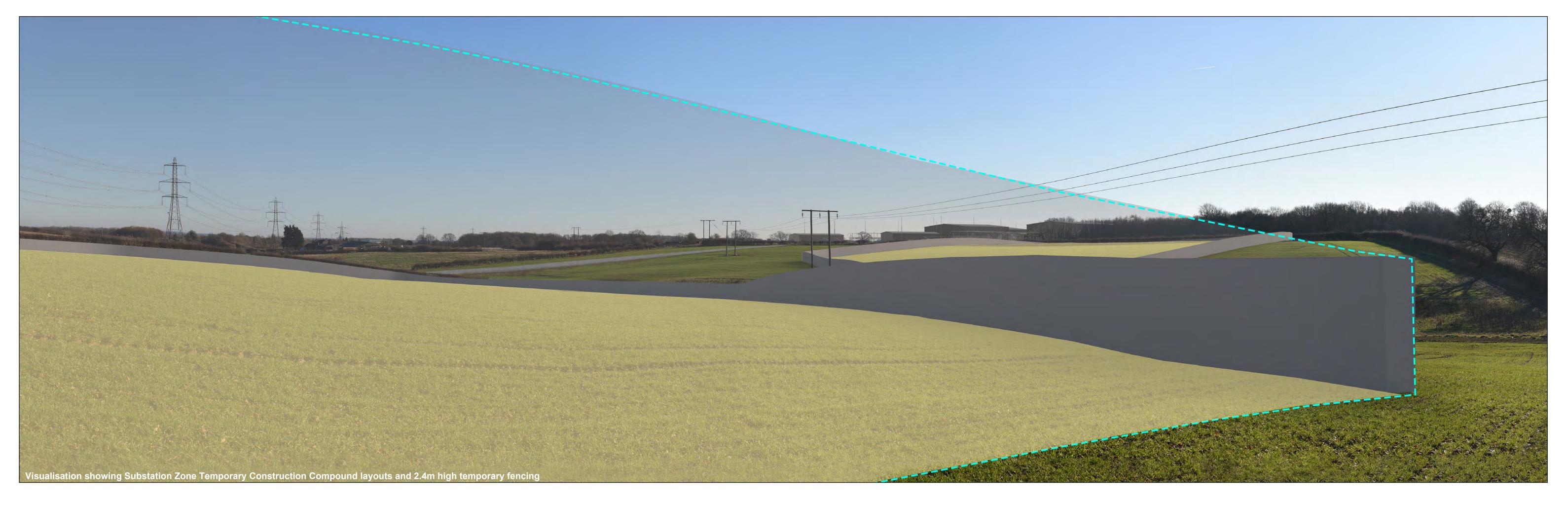
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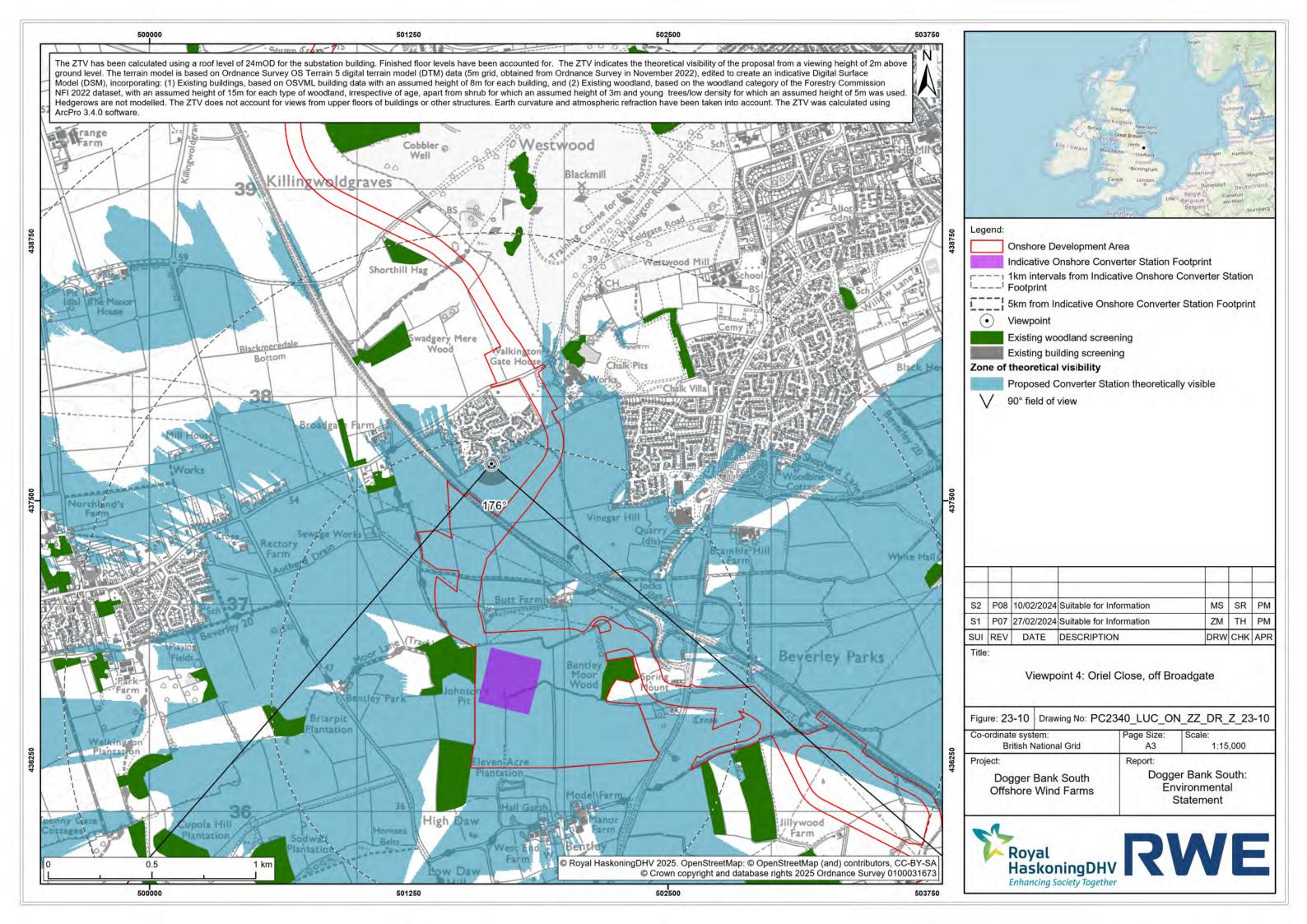


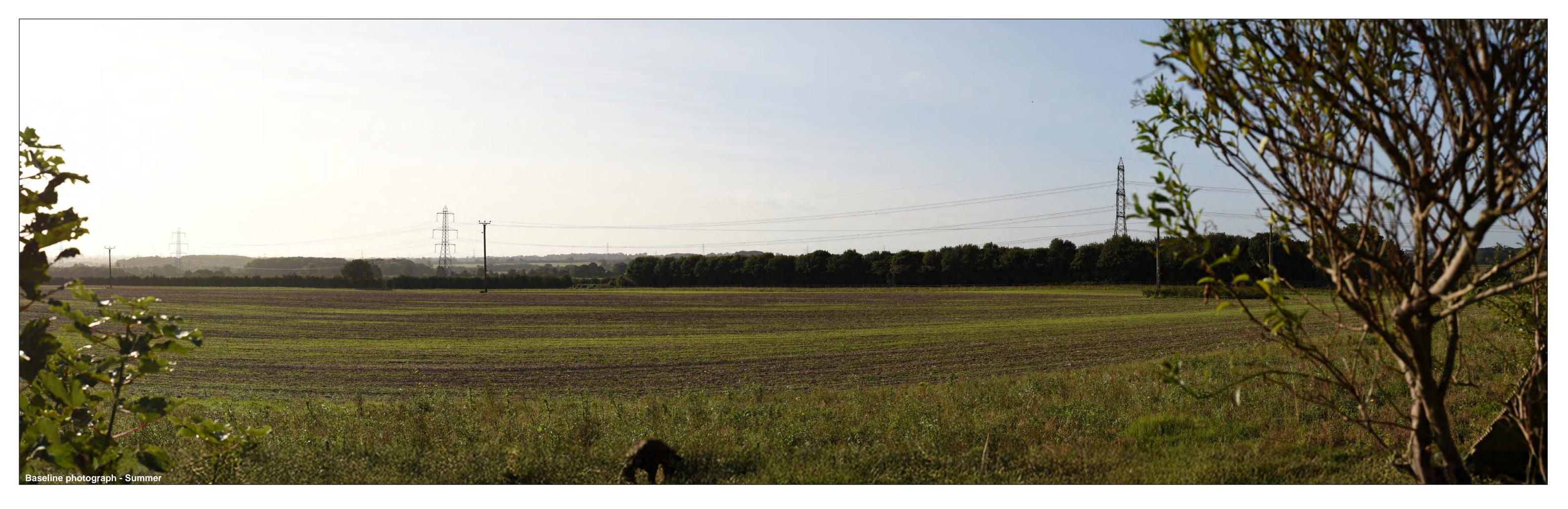
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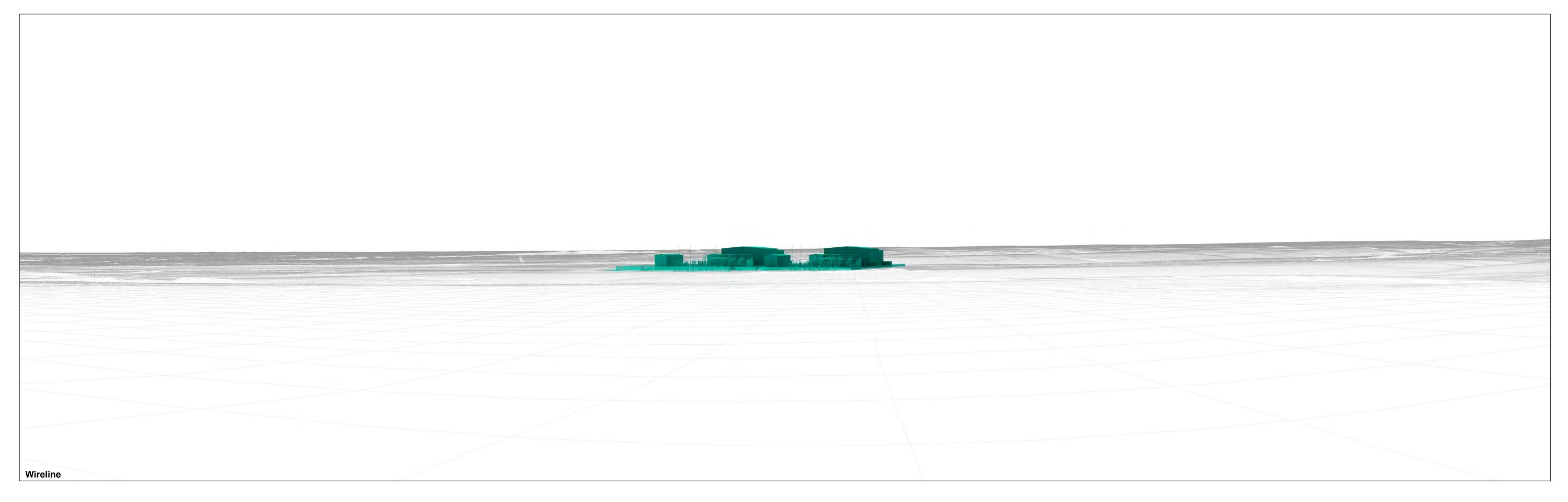
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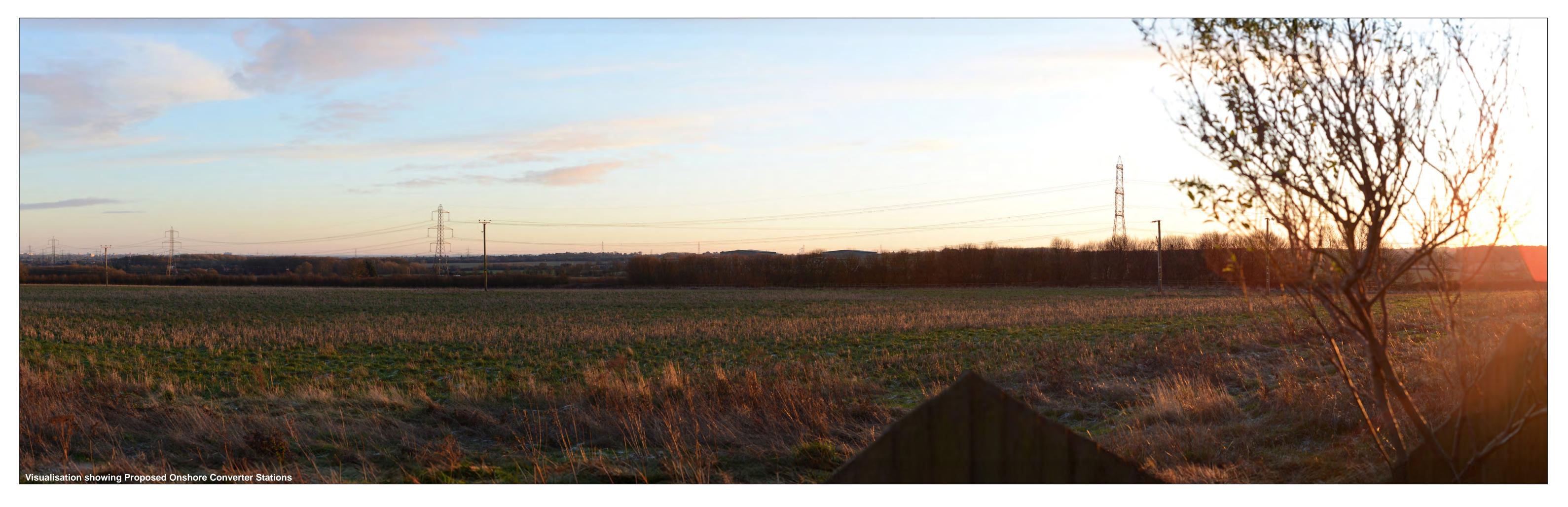
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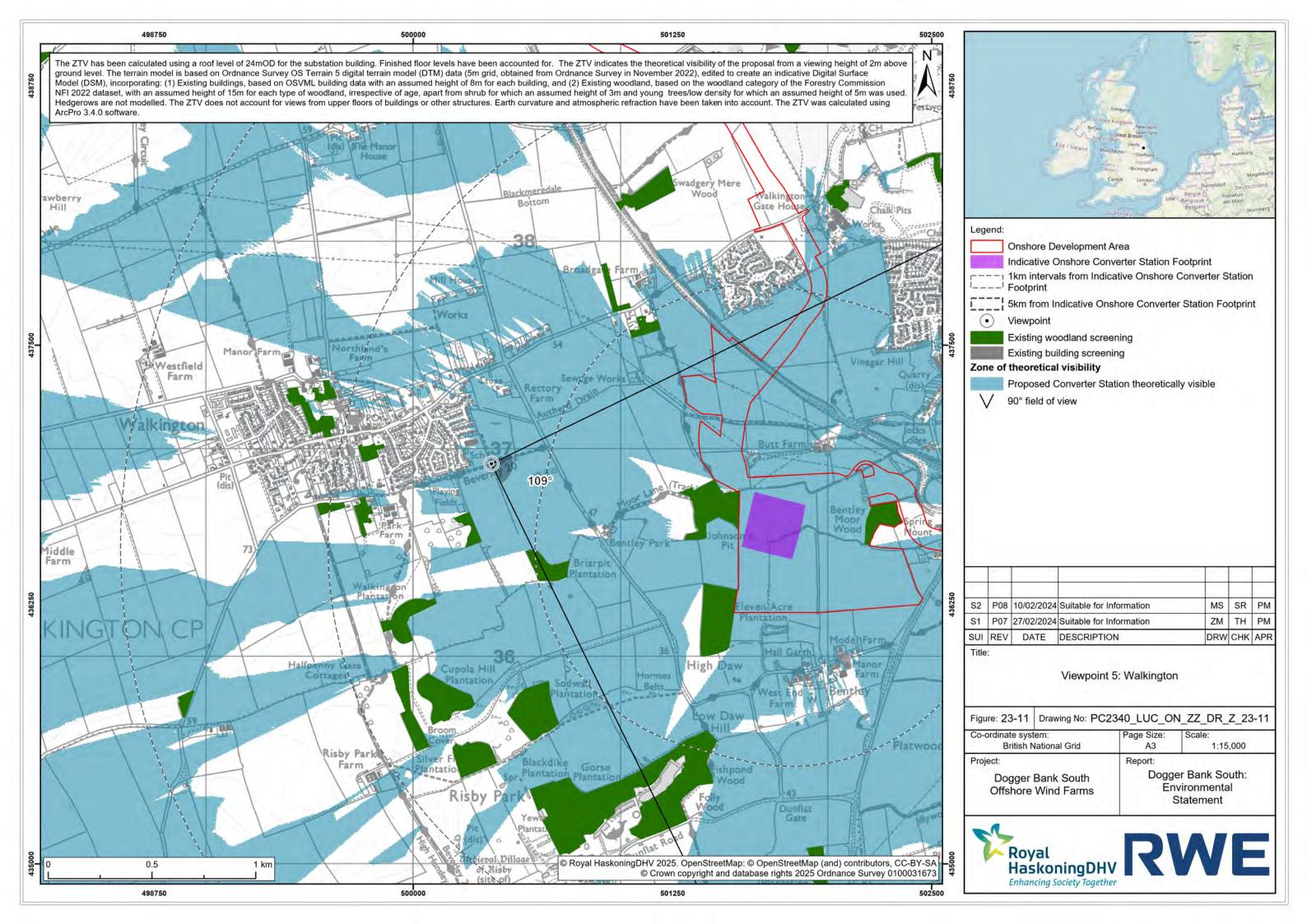




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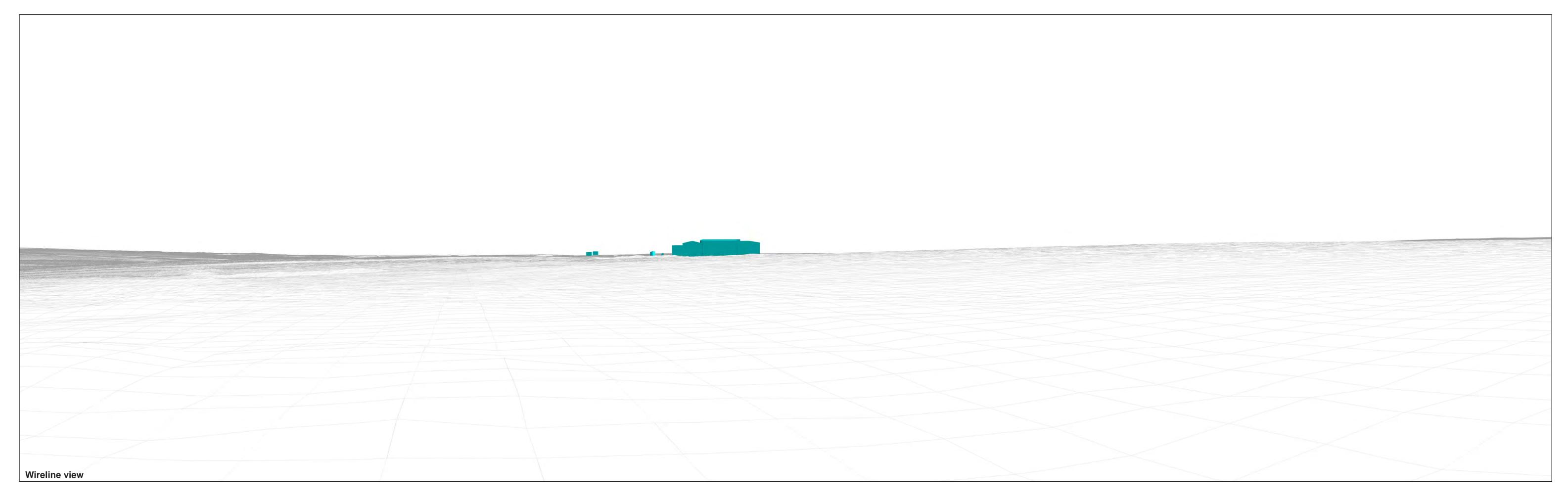
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Platform height of Western HVDC at 33.45m AOD and Eastern HVDC at 30.4m provided by Royal Haskoning on 12/10/2023





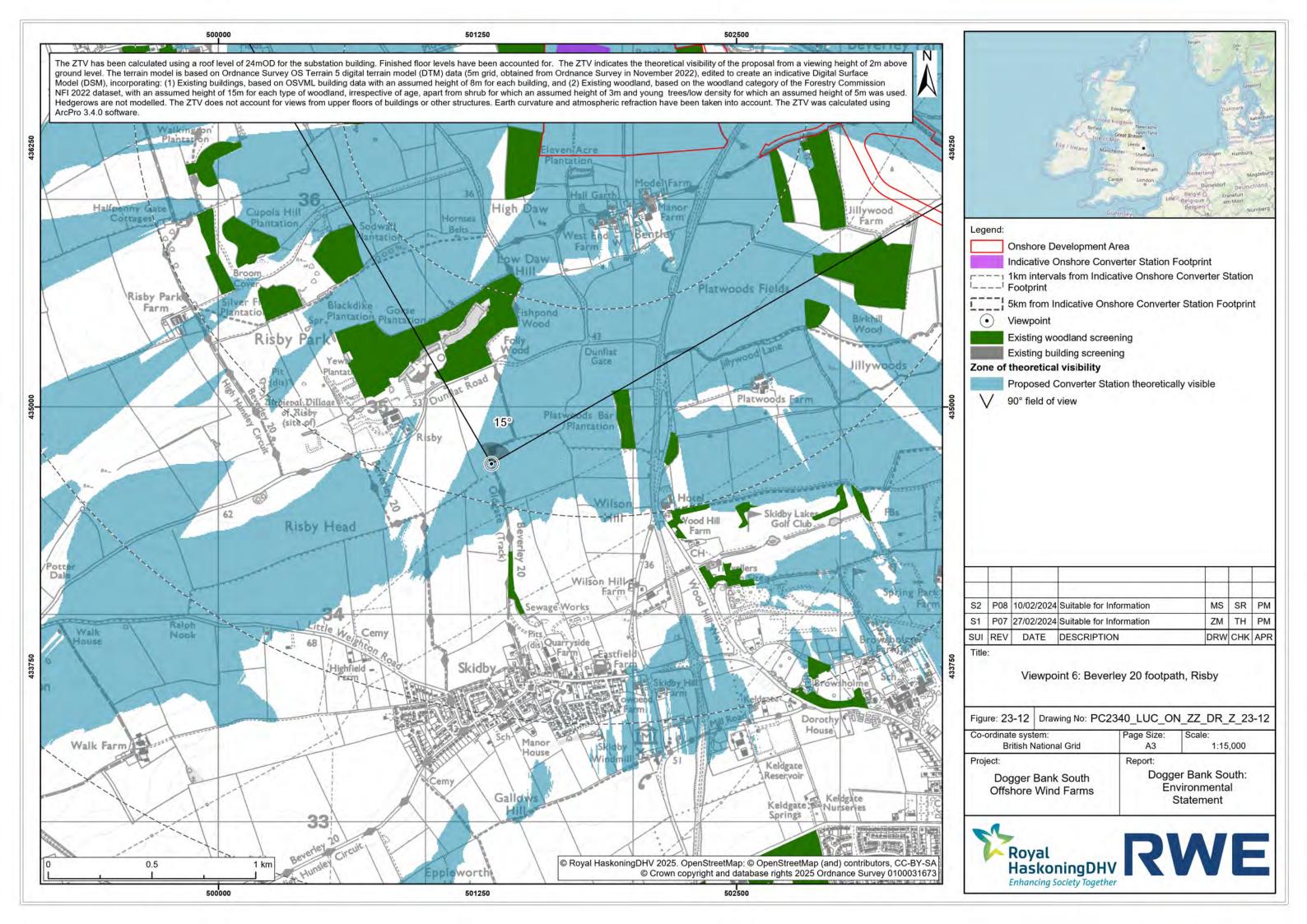
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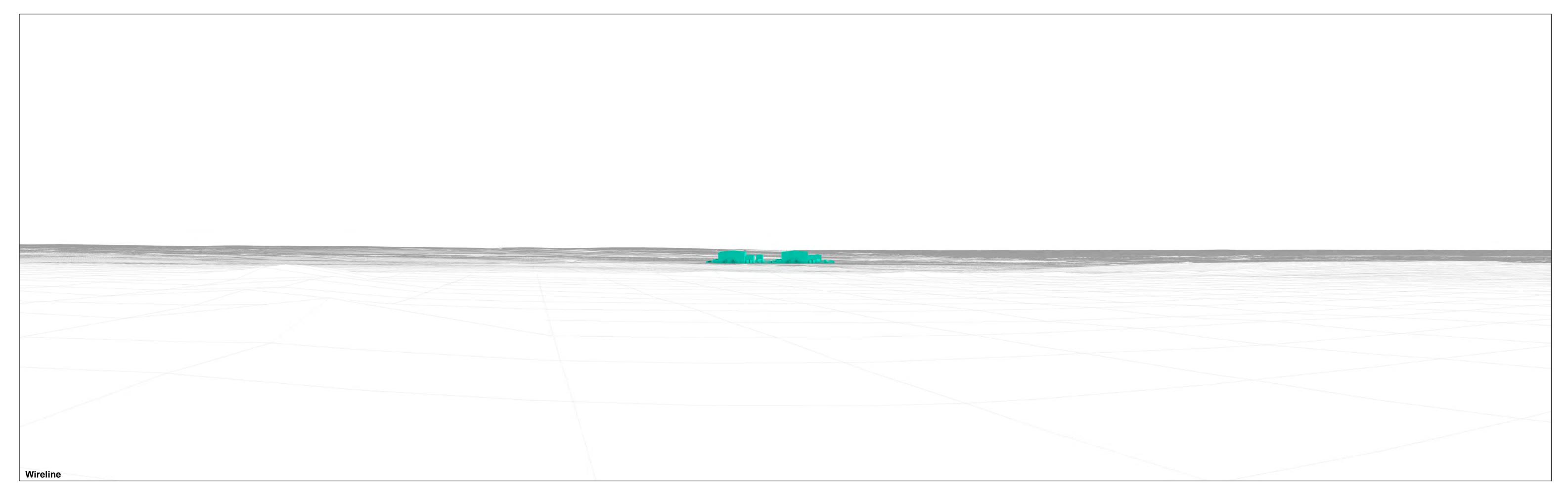
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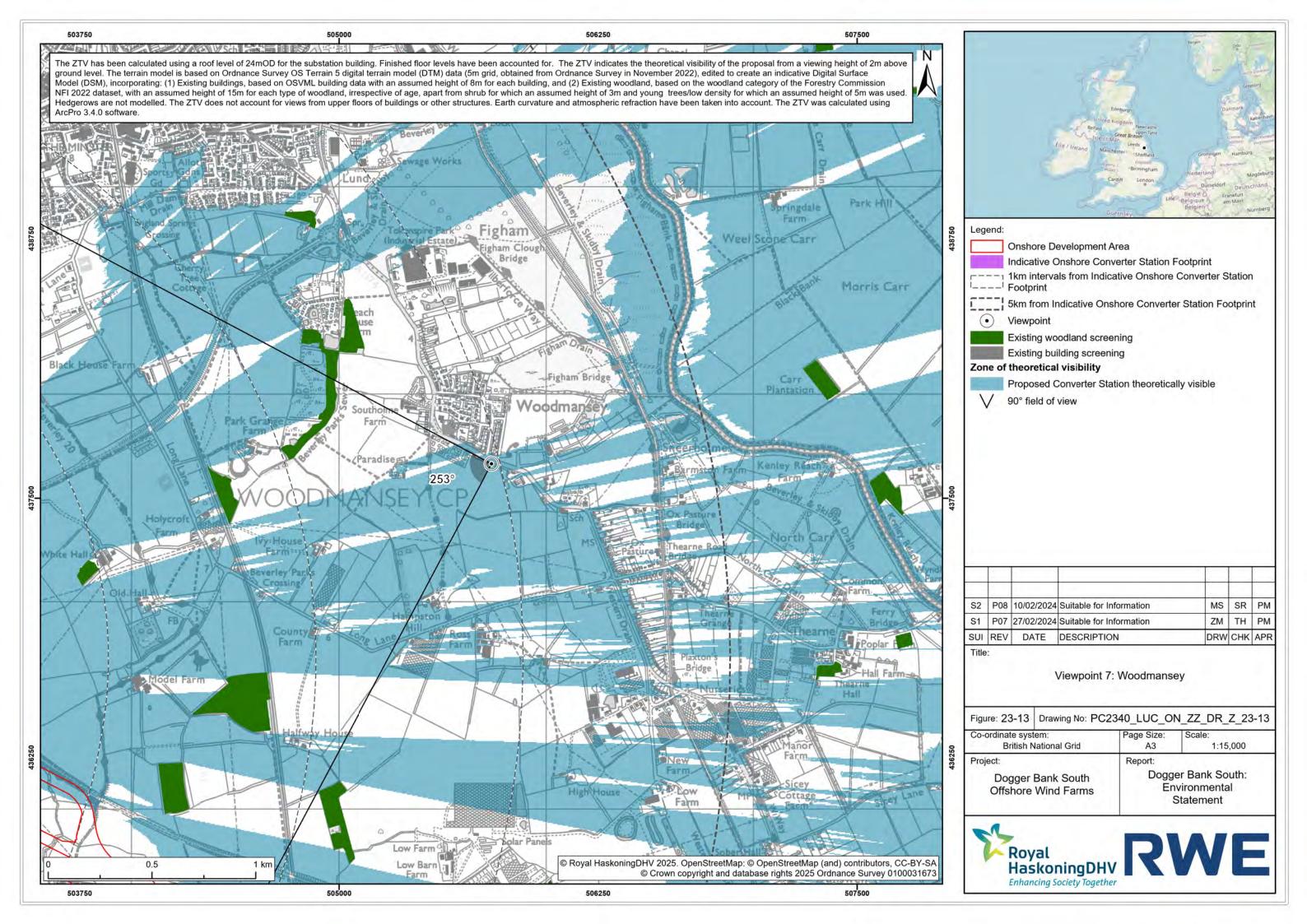
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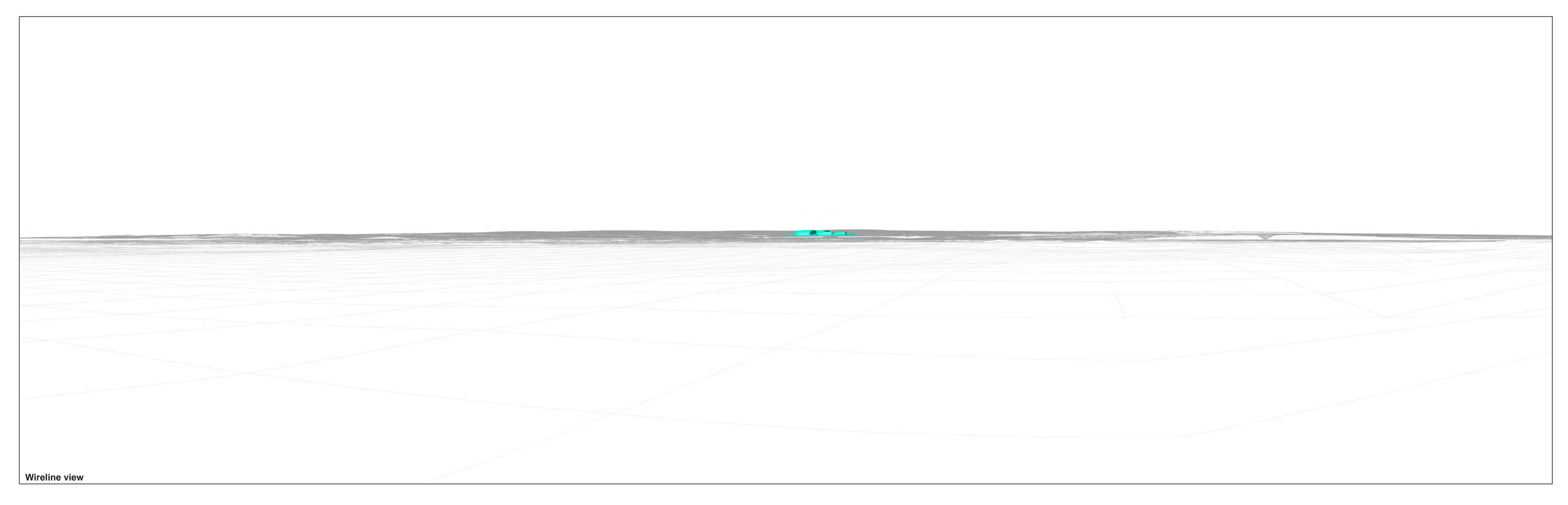


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Platform height of Western HVDC at 33.45m AOD and Eastern HVDC at 30.4m provided by Royal Haskoning on 12/10/2023





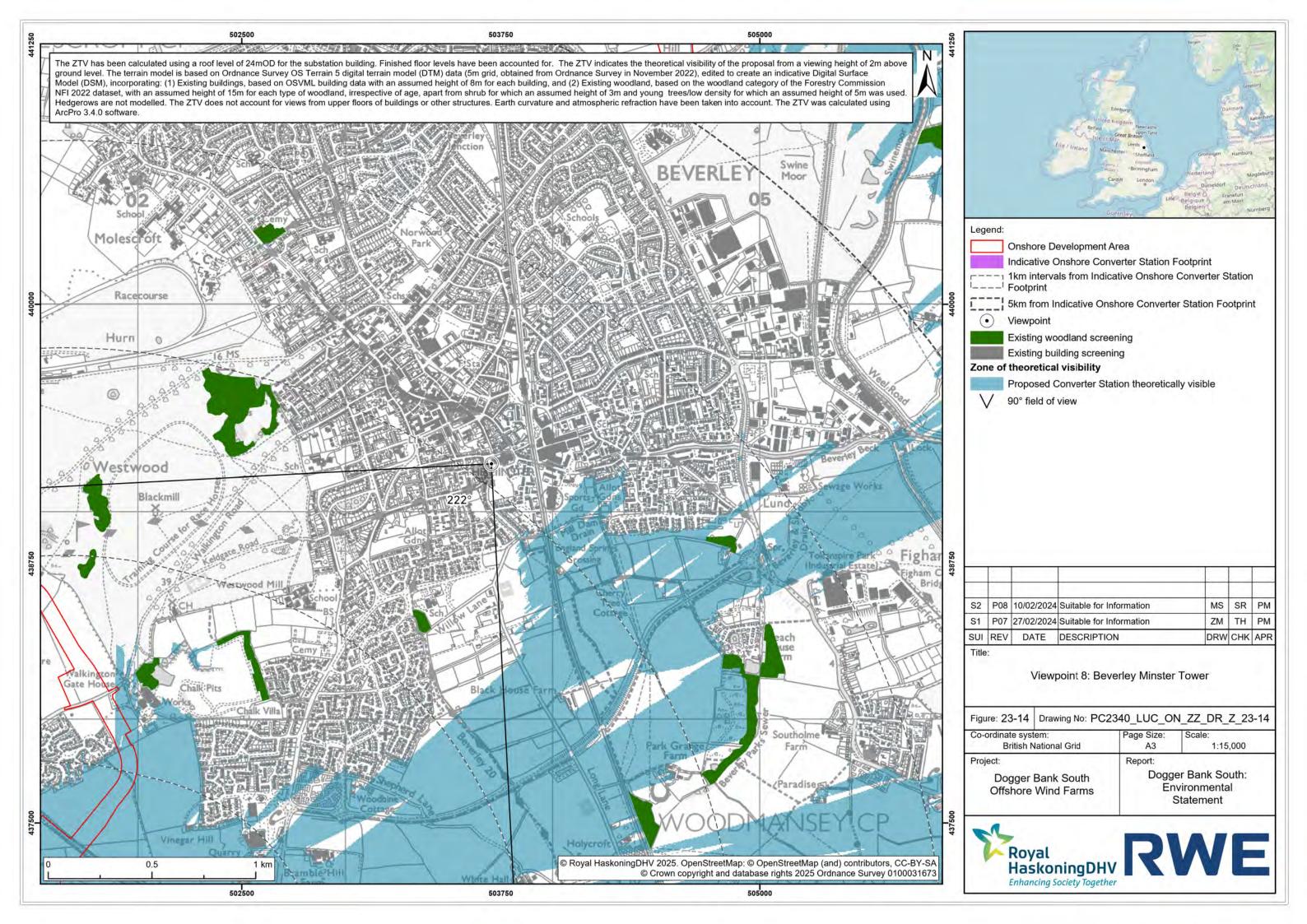
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OS reference: 503/00 L ¬

AOD (Above Ordnance Datum): 27.51 m

2222°

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Dogger Bank South Offshore Wind Farms: Environmental Statement Report





OS reference: 503700 L ...
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222°
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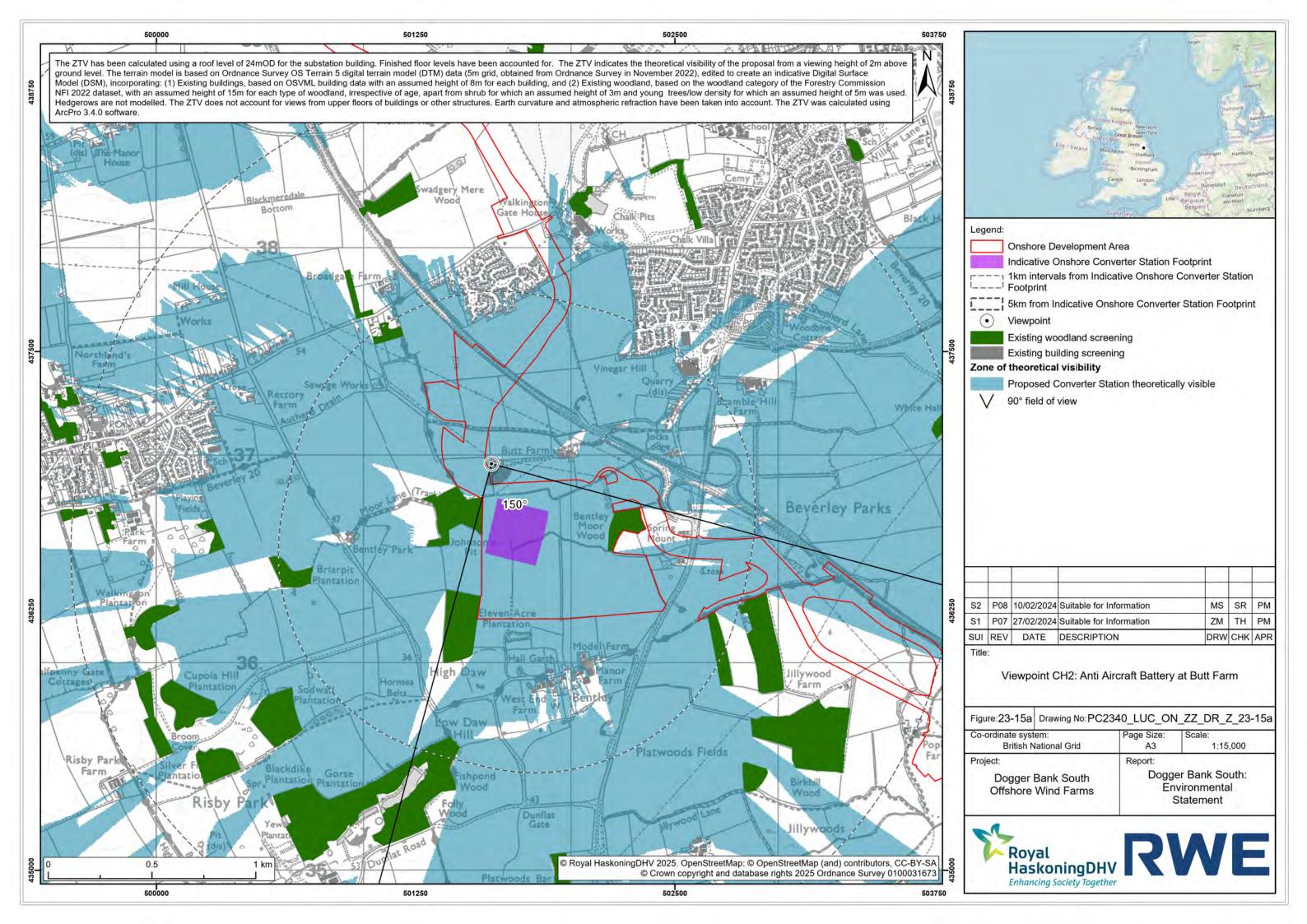




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Paper size: 841 x 297 mm (half A1) Correct printed image size: 820 x 250 mm





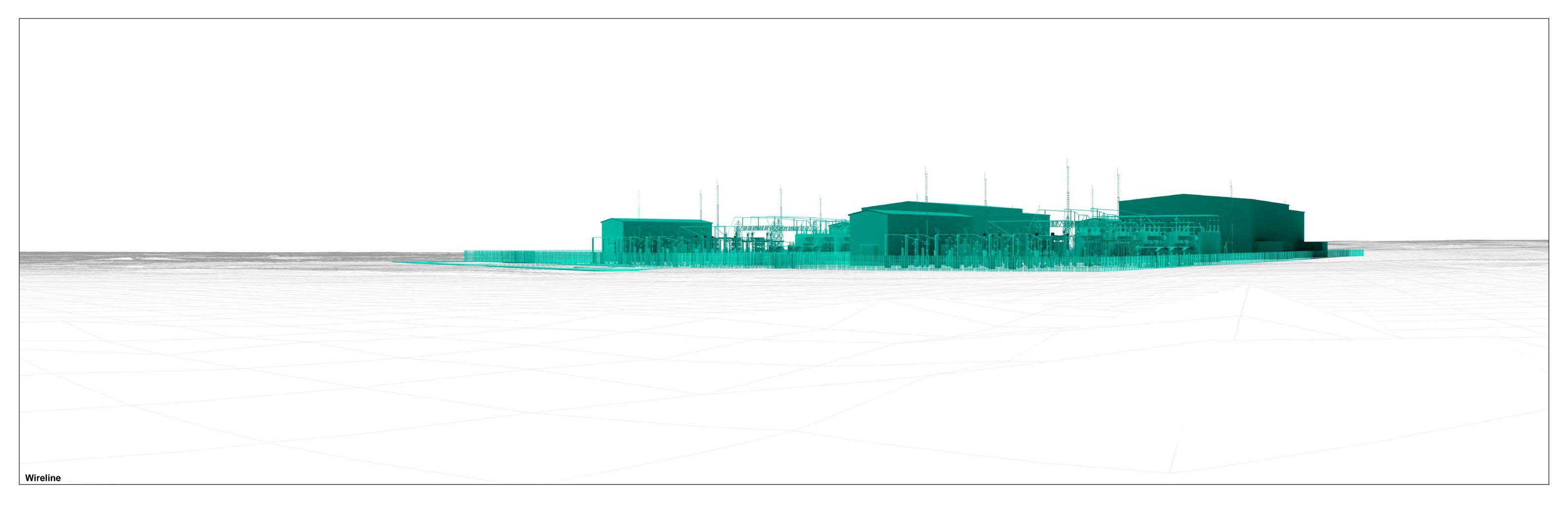


OS reference: 501616 E 436959 N
AOD (Above Ordnance Datum): 38.38 m
Direction of view: 150°

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: NIKON D750
Lens: Nikkor AF 50mm f/1.8D
Camera height: 1.5 m (above AOD)
Date and time: 17/01/2023 13:09





Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: Lens: Camera height: 1.5m (above bove AOD)
Date and time: -





OS reference: 501616 E 436959 N
AOD (Above Ordnance Datum): 38.38 m
Direction of view: 150°

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: NIKON D750
Lens: Nikkor AF 50mm f/1.8D
Camera height: 1.5 m (above AOD)
Date and time: 17/01/2023 13:09



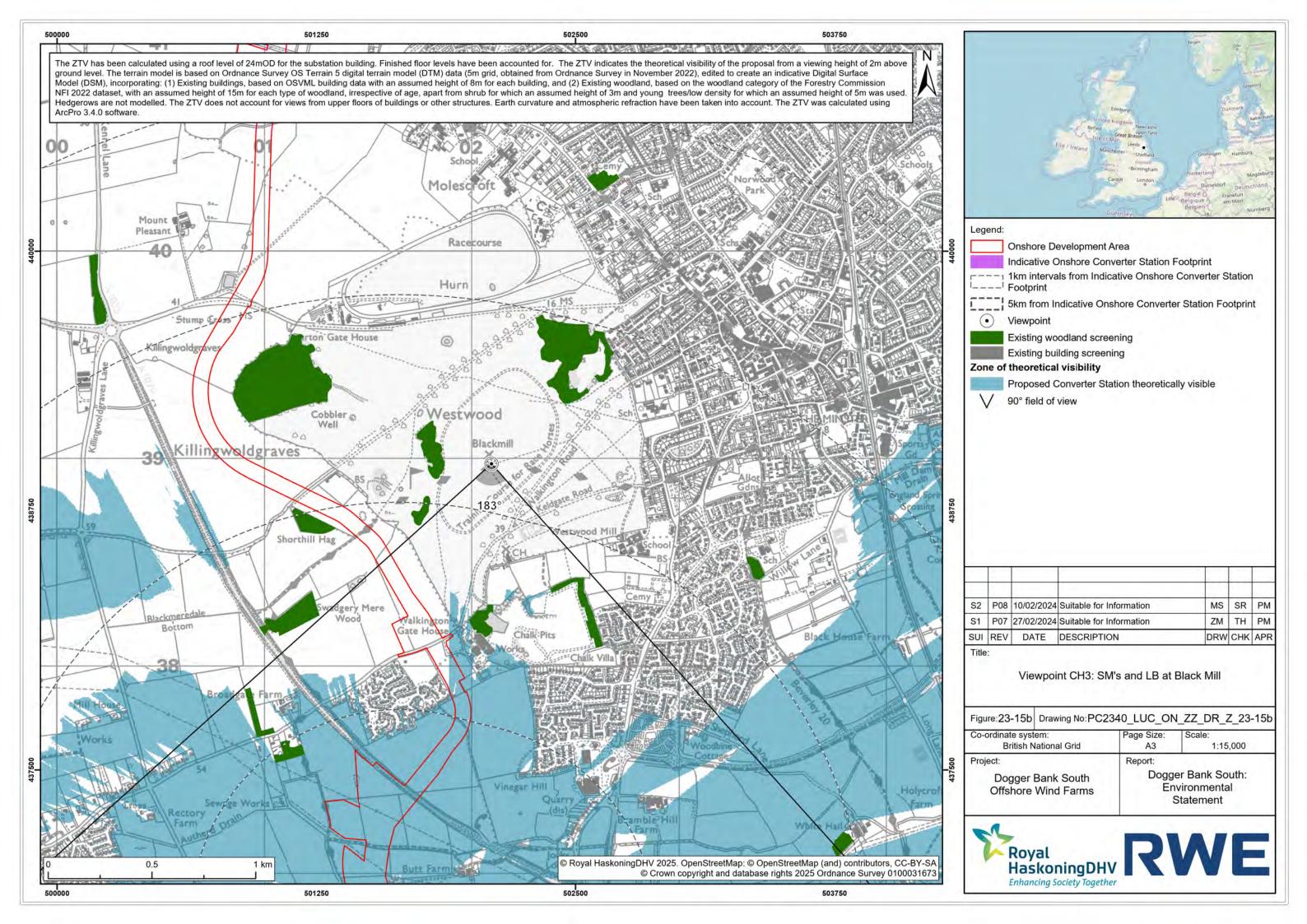


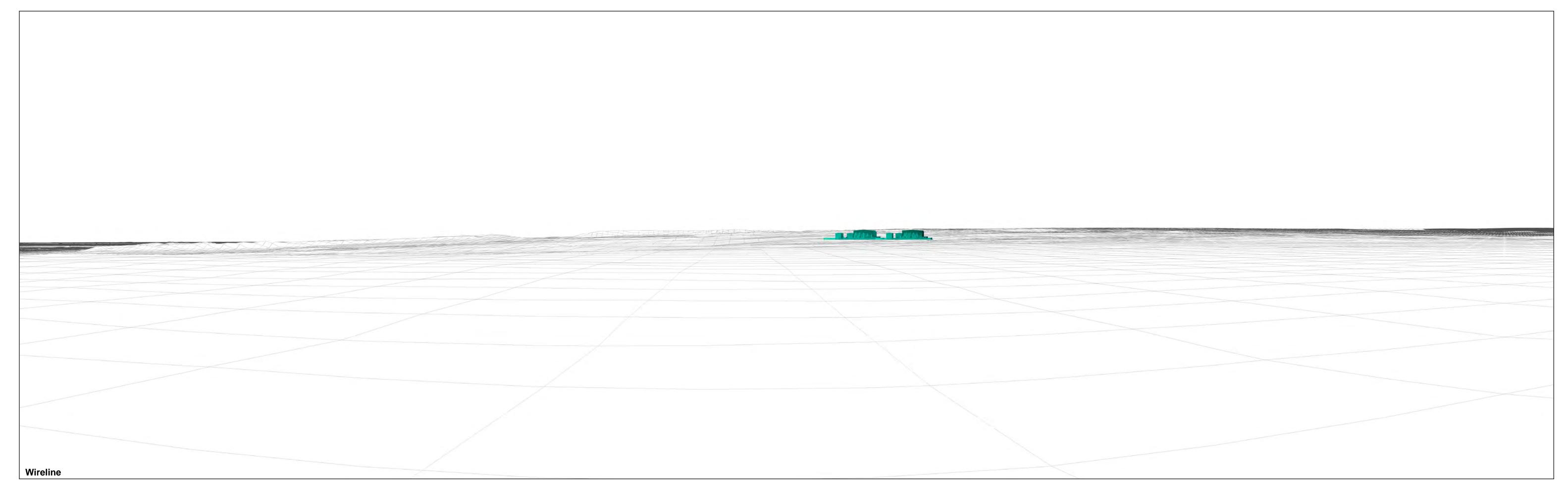
OS reference: 501616 E 436959 N
AOD (Above Ordnance Datum): 38.38 m
Direction of view: 150°

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: NIKON D750
Lens: Nikkor AF 50mm f/1.8D
Camera height: 1.5 m (above AOD)
Date and time: 17/01/2023 13:09







Vertice Image Paper

Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: Lens: Camera height: 1.5m (above bove AOD)
Date and time: -



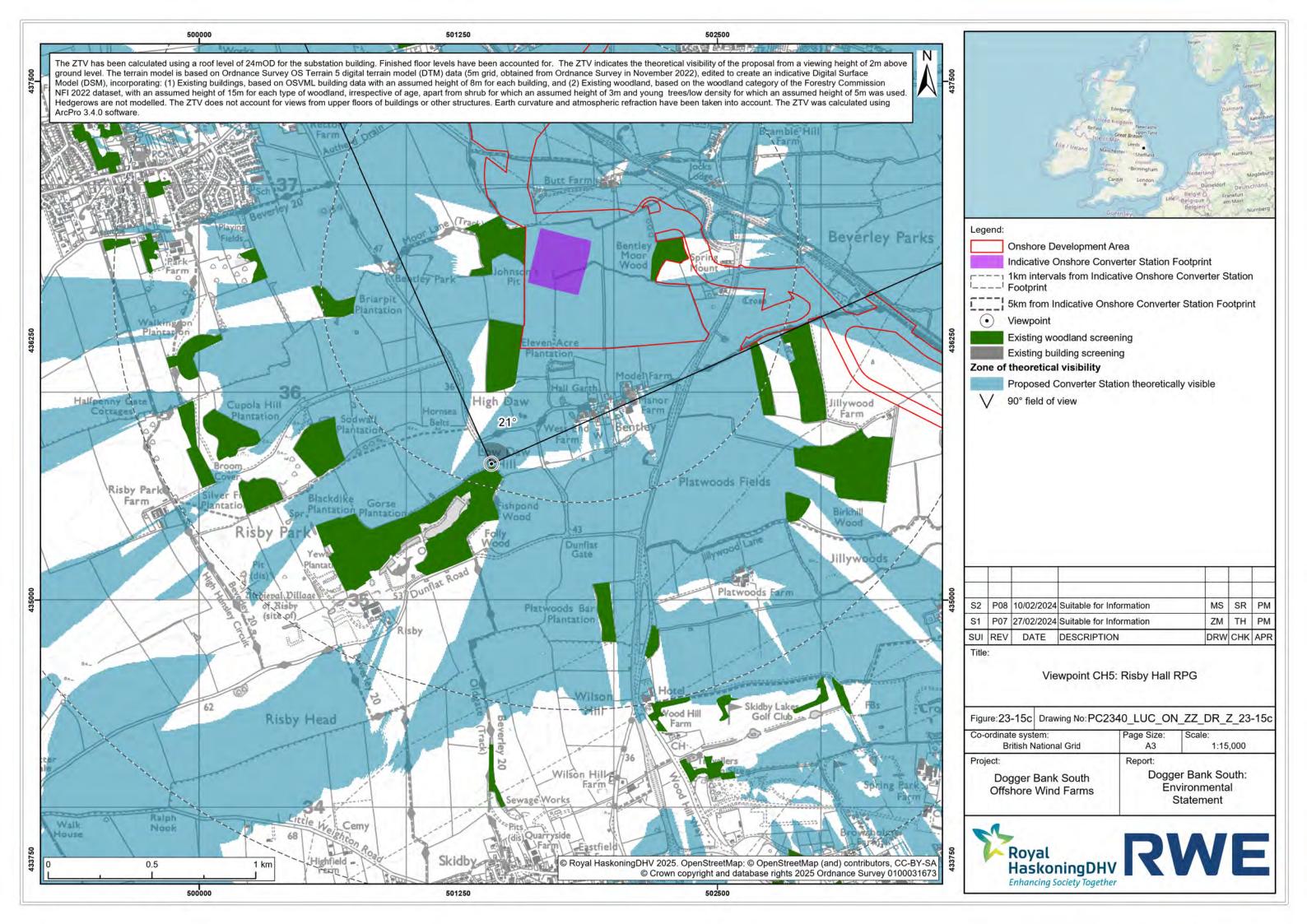


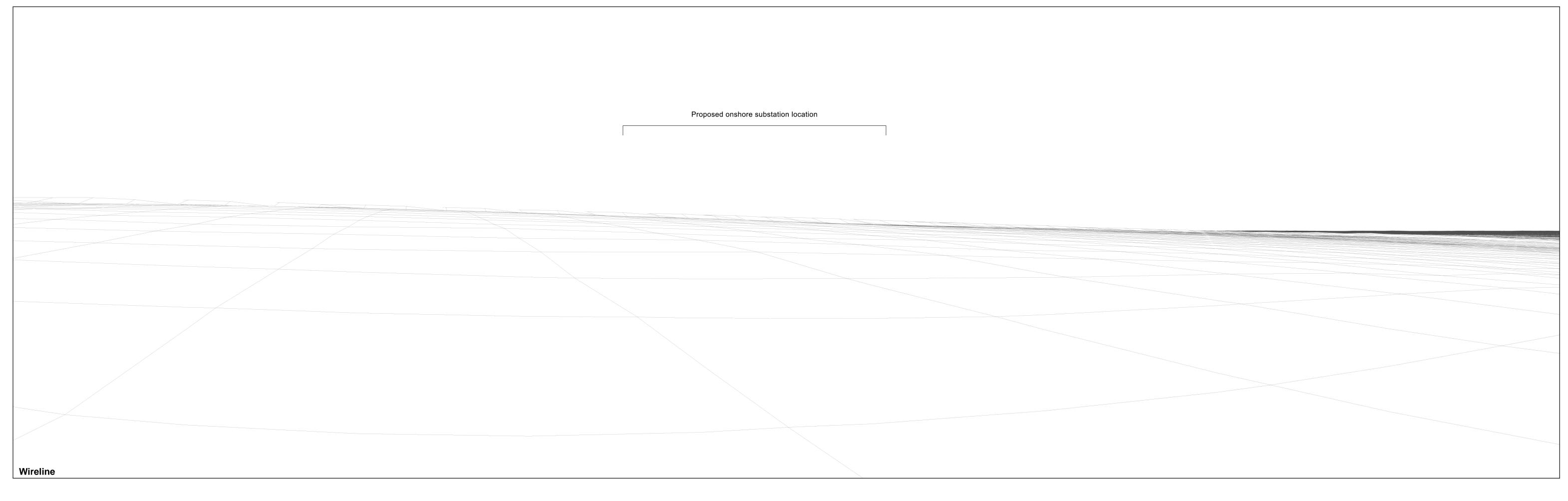
OS reference: 502095 E 438975 N
AOD (Above Ordnance Datum): 39.57 m
Direction of view: 183°

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: NIKON D750
Lens: Nikkor AF 50mm f/1.8D
Camera height: 1.5 m (above AOD)
Date and time: 17/01/2023 13:43







Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Lens: Camera height: 1.5m (above bove AOD)
Date and time: -

Data Sources:
Topography to inform AOD heights: 1m National LiDAR programme DTM (2020), Environment Agency
3D model informed by Site option layouts and development height parameters provided by Royal Haskoning
DHV on 11/12/2024.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-15c1 Cultural Heritage Viewpoint 5: Risby Hall RPG



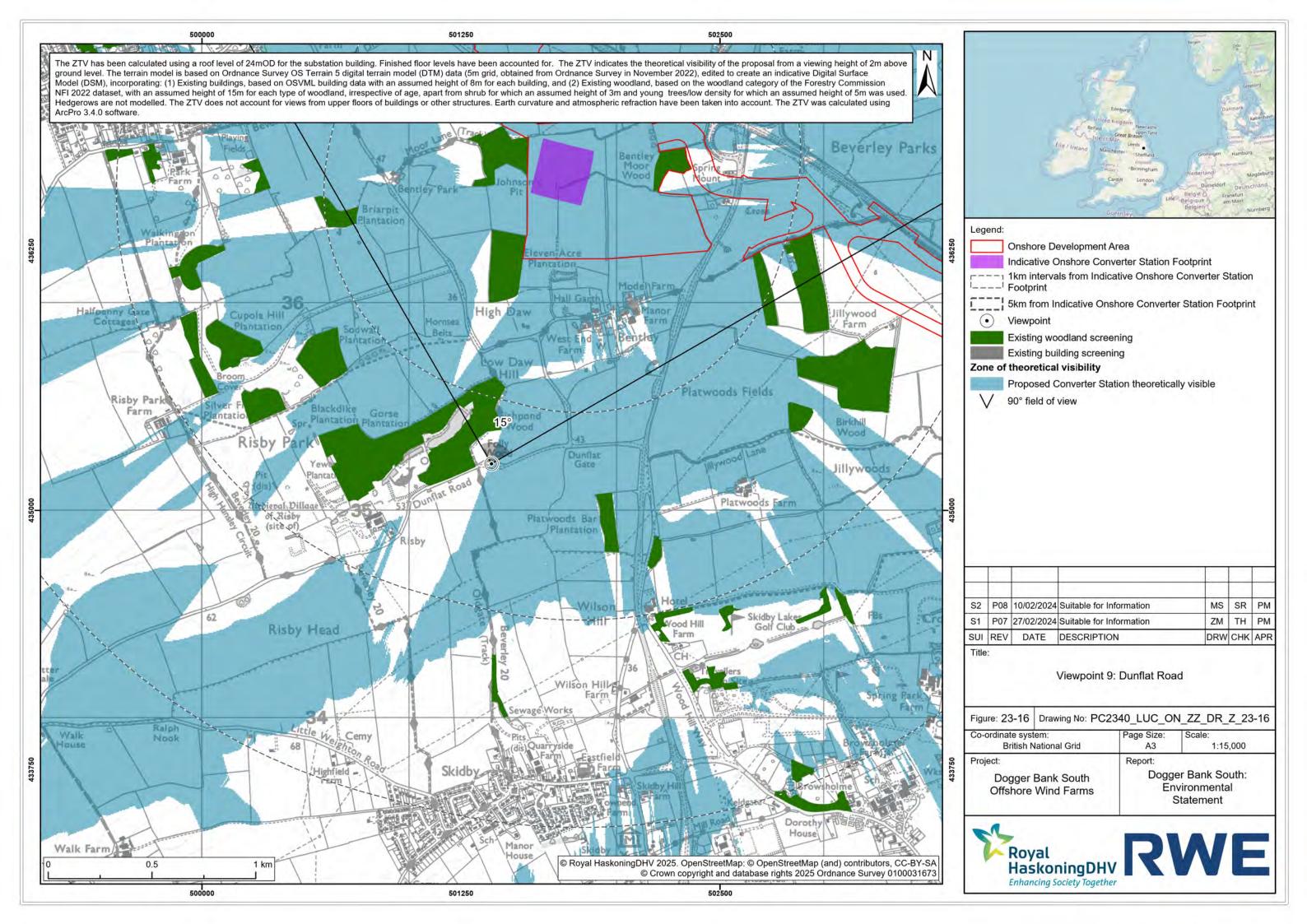


OS reference: 501410 E 435656 N AOD (Above Ordnance Datum): 37 m Direction of view: 21°

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

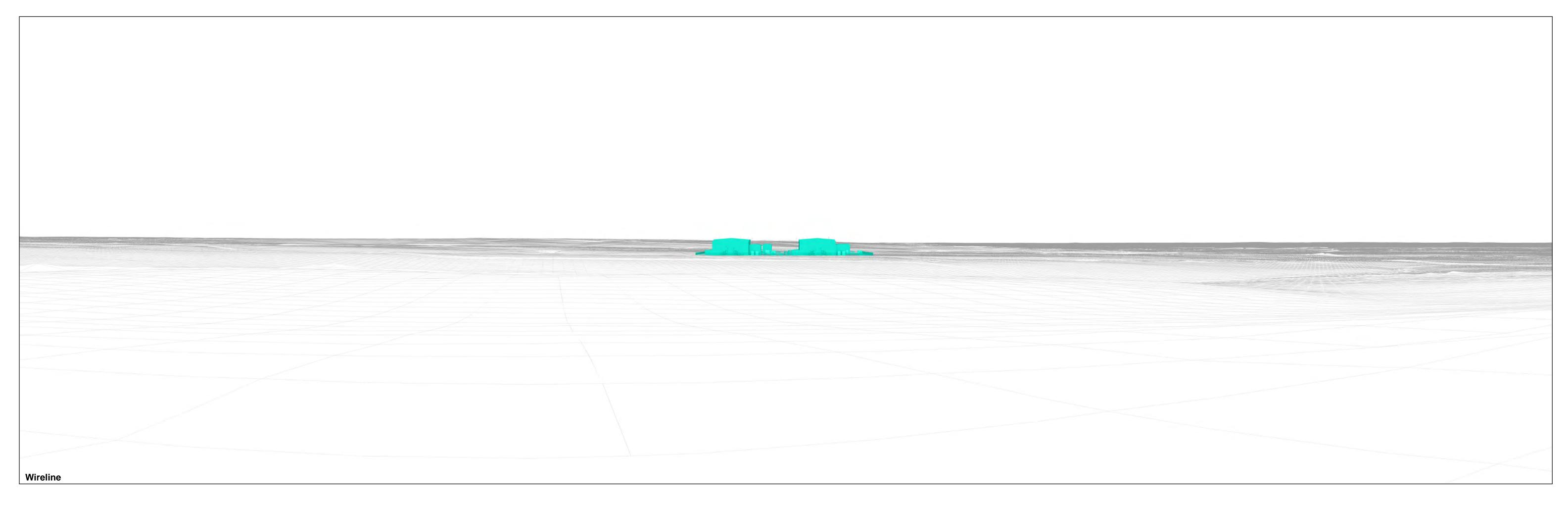
Camera: NIKON D750
Lens: Nikkor AF 50mm f/1.8D
Camera height: 1.5 m (above AOD)
Date and time: 17/01/2023 13:42





Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: NIKON D600
Lens: Nikkor AF 50mm f/1.6D
Camera height: 1.5 m (above AOD)
Date and time: 21/11/2024 13:08





Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: Lens: - n/a
Camera height: - 1.5 m (above AOD)
Date and time: - n/a





Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera: NIKON D600
Lens: Nikkor AF 50mm f/1.6D
Camera height: 1.5 m (above AOD)
Date and time: 21/11/2024 13:08

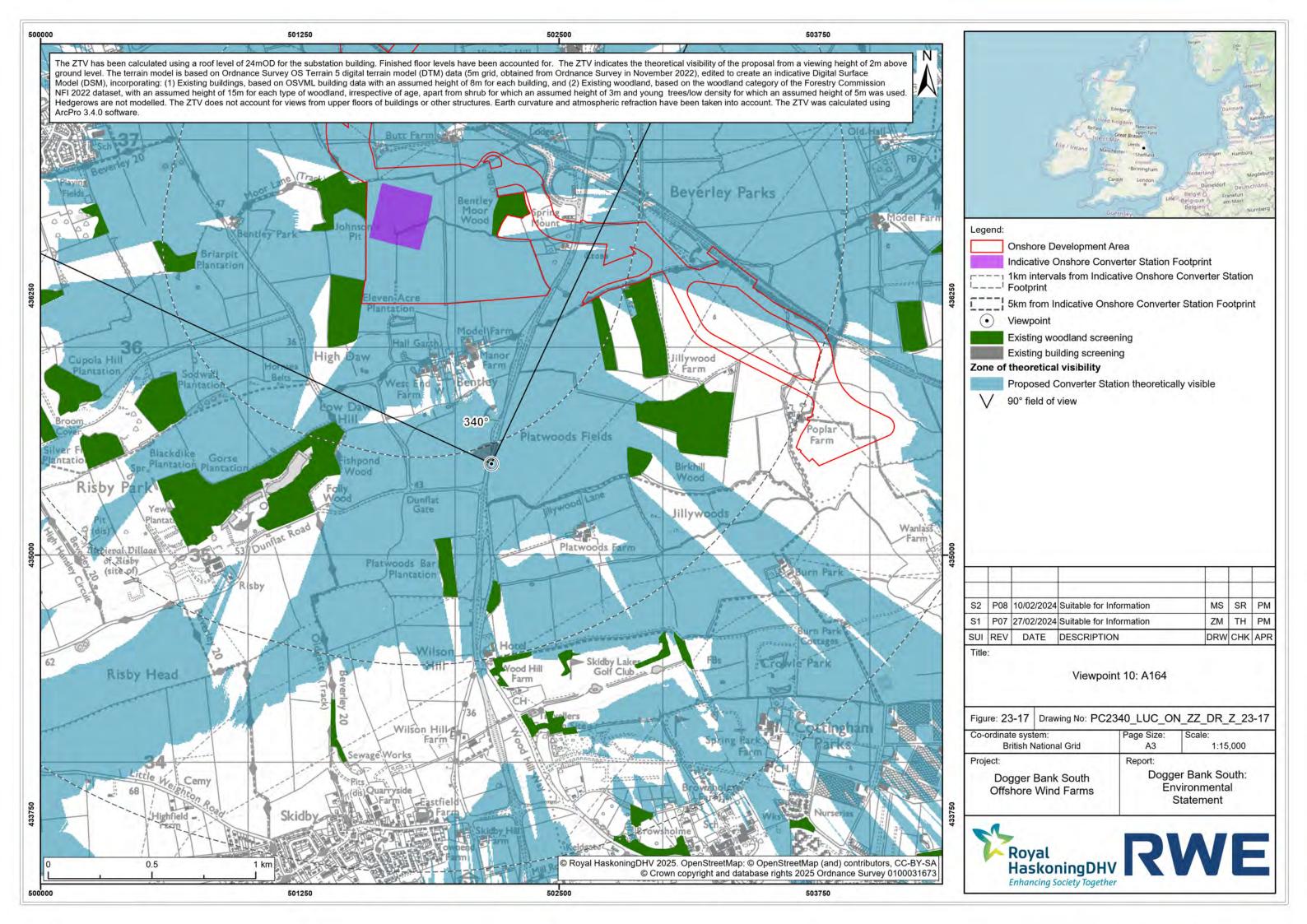




Camera: NIKON D600
Lens: Nikkor AF 50mm f/1.6D
Camera height: 1.5 m (above AOD)
Date and time: 21/11/2024 13:08 Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Data Sources:
Topography to inform AOD heights: 1m National LiDAR programme DTM (2020), Environment Agency
3D model informed by Site option layouts and development height parameters provided by Royal Haskoning
DHV on 11/12/2024.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23.16d Viewpoint 9: Dunflat Road





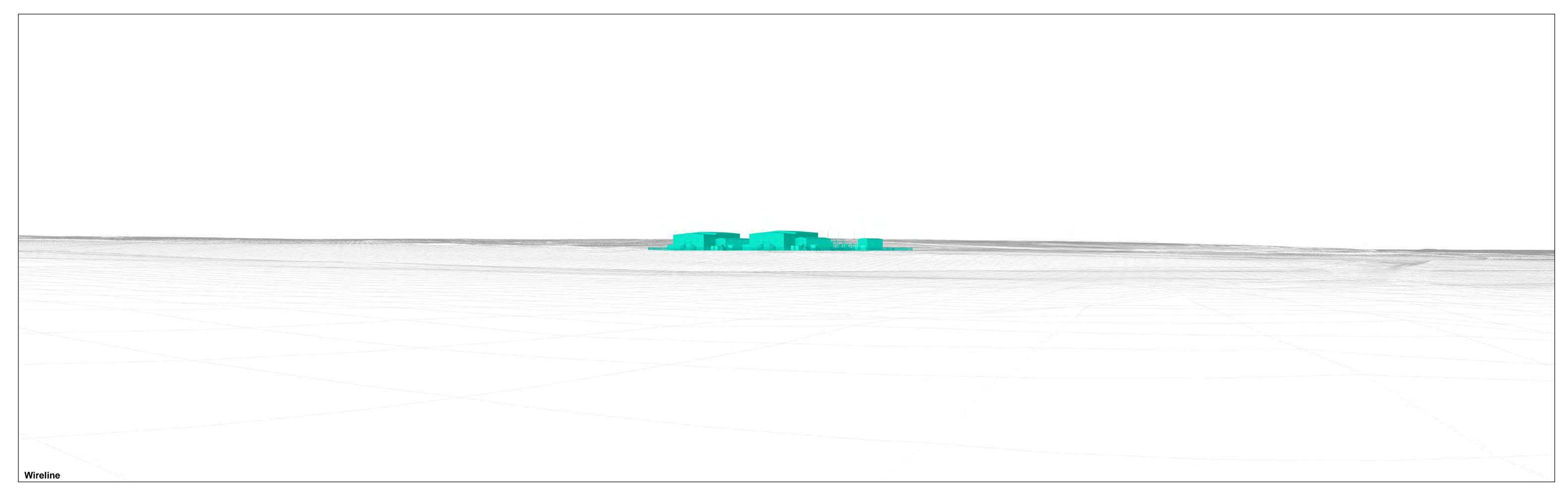


OS reference: 502174 E 435439 N
AOD (Above Ordnance Datum): 32.42 m
Direction of view: 340°

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1) Correct printed image size: 820 x 250 mm

Camera: NIKON D600
Lens: Nikkor AF 50mm f/1.6D
Camera height: 1.5 m (above AOD)
Date and time: 21/11/2024 12:26





Vertical field of view: 27°
Image Enlargement Factor: 96%
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 250 mm

Camera height: - 1.5m (above AOD)
Date and time: - n/a





502174 E 435439 N OS reference: AOD (Above Ordnance Datum): 32.42 m Direction of view: 340°

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view:

Image Enlargement Factor: 96%
Paper size: 841 x 2 841 x 297 mm (half A1) Correct printed image size: 820 x 250 mm

Camera: NIKON D600
Lens: Nikkor AF 50mm f/1.6D
Camera height: 1.5 m (above AOD)
Date and time: 21/11/2024 12:26





502174 E 435439 N OS reference: AOD (Above Ordnance Datum): 32.42 m Direction of view:

Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: Image Enlargement Factor: 96% 841 x 297 mm (half A1) Paper size: Correct printed image size: 820 x 250 mm

Camera: NIKON D600
Lens: Nikkor AF 50mm f/1.6D
Camera height: 1.5 m (above AOD)
Date and time: 21/11/2024 12:26