

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 Pre-Examination Procedural Deadline Chapter 23 – Landscape and Visual Impact Assessment Figure 23-1 to Figure 23-15 (Revision 2)

October 2024

Application Reference: 7.23.1 APFP Regulation: 5(2)(a) Revision: 02

Unrestricted

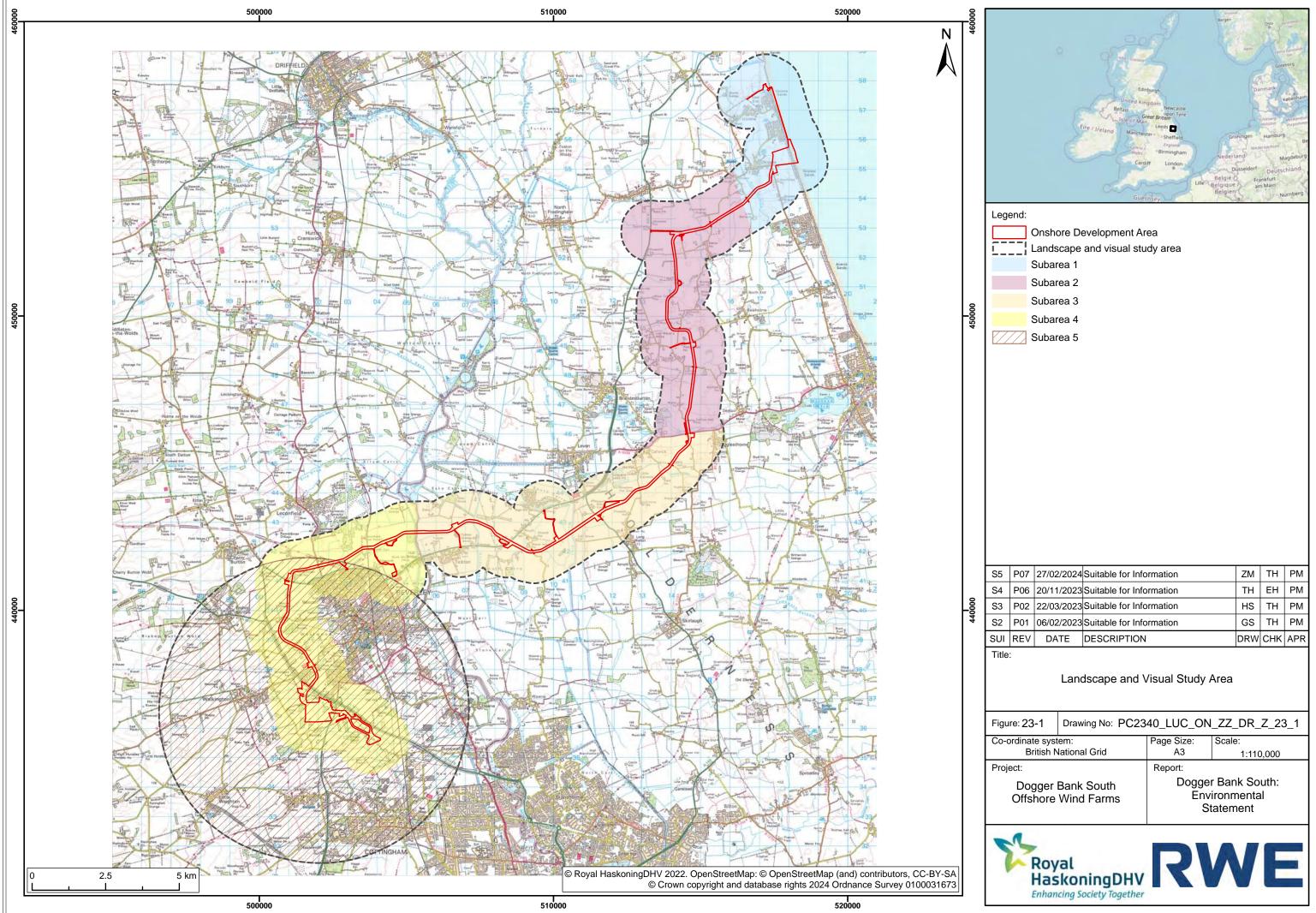


Company	:	RWE Renewables UK Dog Bank South (West) Limite RWE Renewables UK Dog Bank South (East) Limite	ed and gger	Asset:	Devel	opment
Project:		Dogger Bank South Offs Wind Farms	shore	Sub Project/Packc	ige:	ents
	cocument Title or escription: Environmental Statement – Chapter 23 – Figure 23-1 to Figure 23-15 (Revision 2)				23-15	
Documen	it Number:	004300167-02		Contractor Reference Nu		40-RHD-ON- 2-Z-0106
		newables UK Dogger Bank st) Limited, 2024. All right			d RWE Renewc	ables UK
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		ent has the obligation to en It specific practices approp				tivities
Rev No.	Date	Status/Reason fo	or Issue	Author	Checked by	Approved by
01	June 202	24 Final for DCO Appl	lication	LUC	RWE	RWE
02	October 20	024 Submission at F Examination Proc	-	LUC	RWE	RWE

Deadline



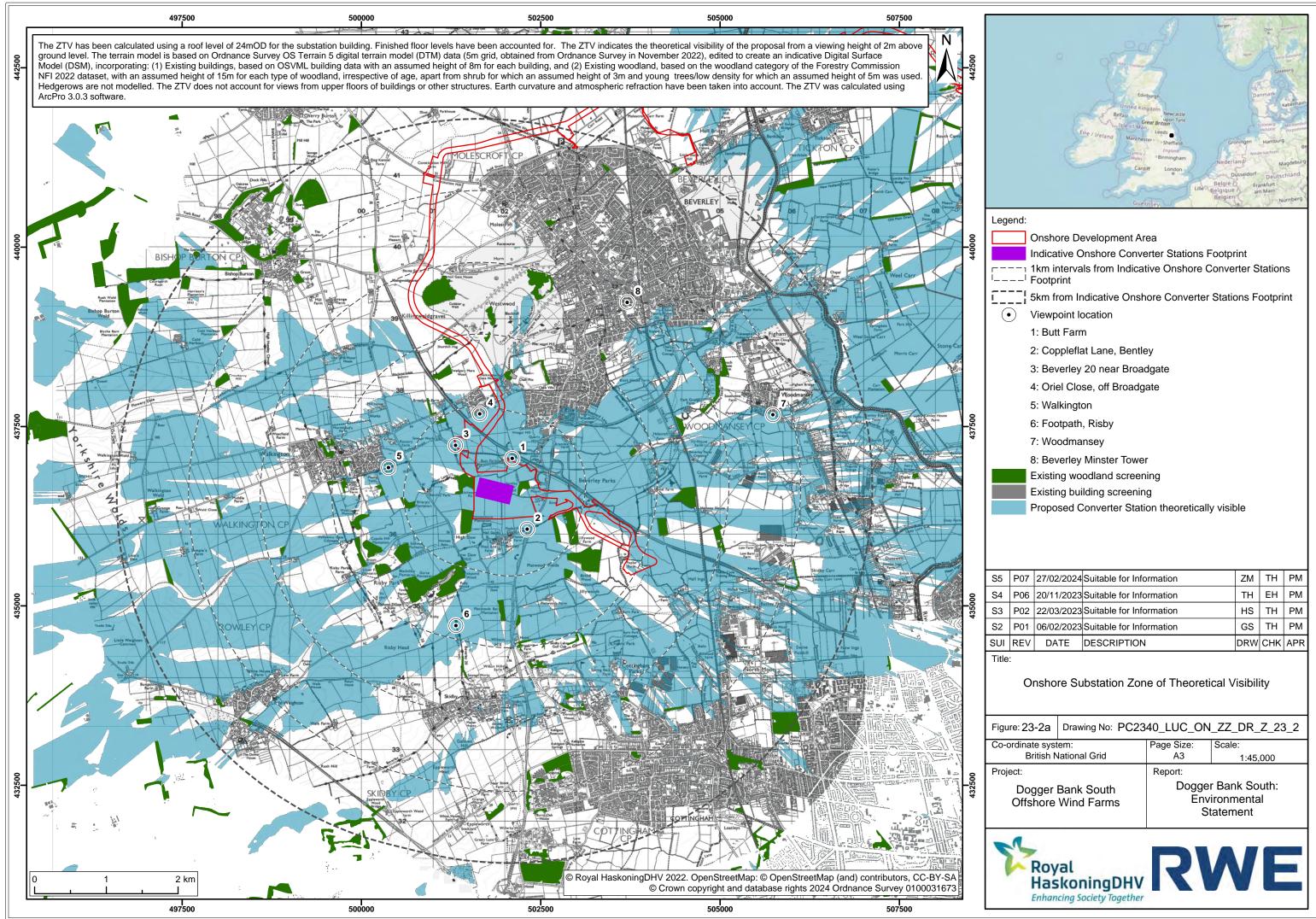
Revision C	Revision Change Log					
Rev No.	Page	Section	Description			
01	N/A	N/A	Submitted for DCO Application			
02	6	Figure 23-2b	Figure 23-2b created to show the topography data in relation to the LVIA Study Area to address the Rule 6 Errata			
02	10	Figure 23-6	Amended figure legend to clearly identify the area to be returned to agriculture as requested in the Rule 6 Errata			



	Onshore Development Area
	Landscape and visual study area
	Subarea 1
	Subarea 2
	Subarea 3
	Subarea 4
\square	Subarea 5

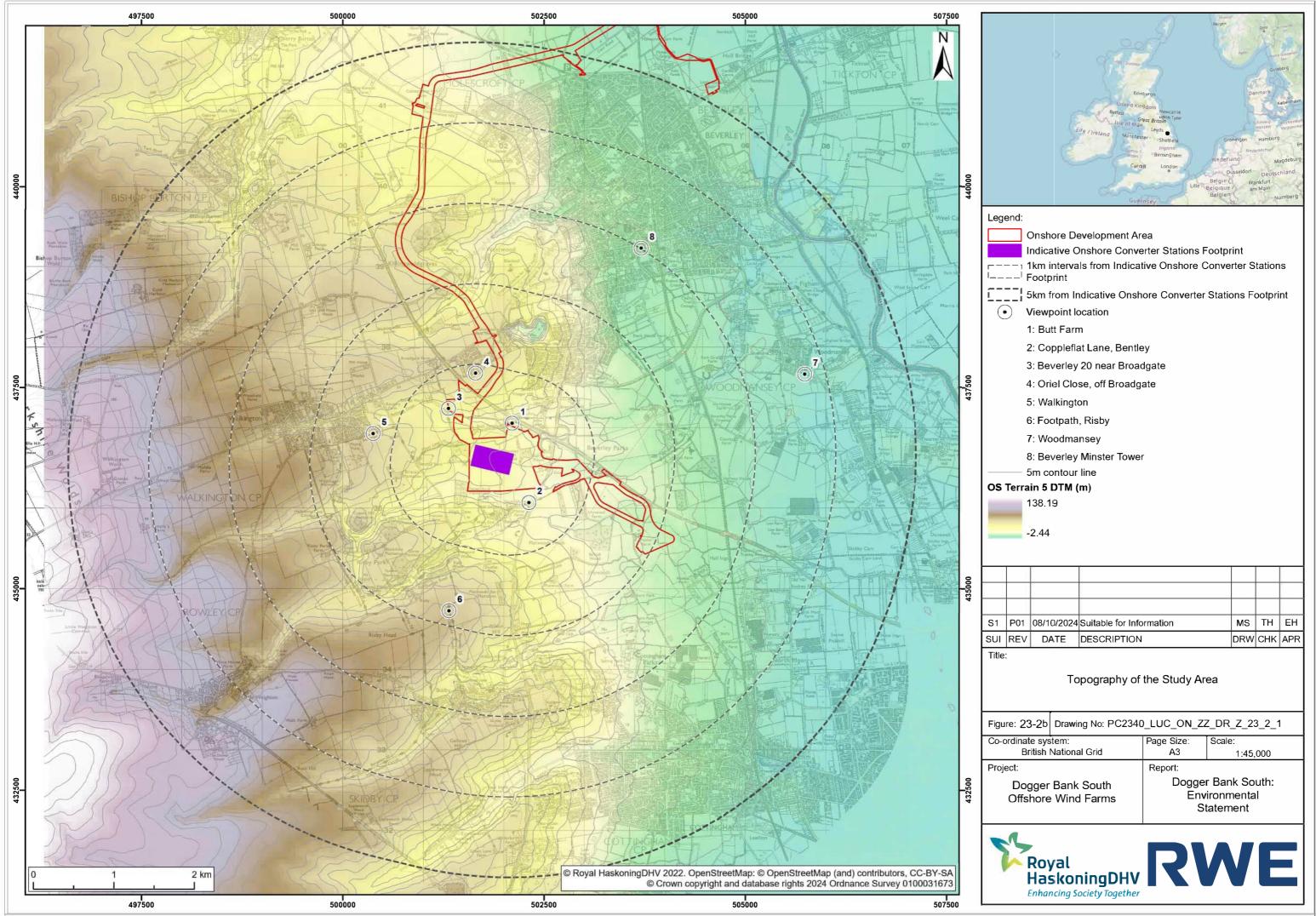
P07	27/02/2024	Suitable for Information	ZM	ΤH	PM
P06	20/11/2023	Suitable for Information	ΤН	EH	PM
P02	22/03/2023	Suitable for Information	HS	ΤH	ΡM
P01	06/02/2023	Suitable for Information	GS	ΤH	РM
REV	DATE	DESCRIPTION	DRW	СНК	APR

ure: 23-1	Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23_1			
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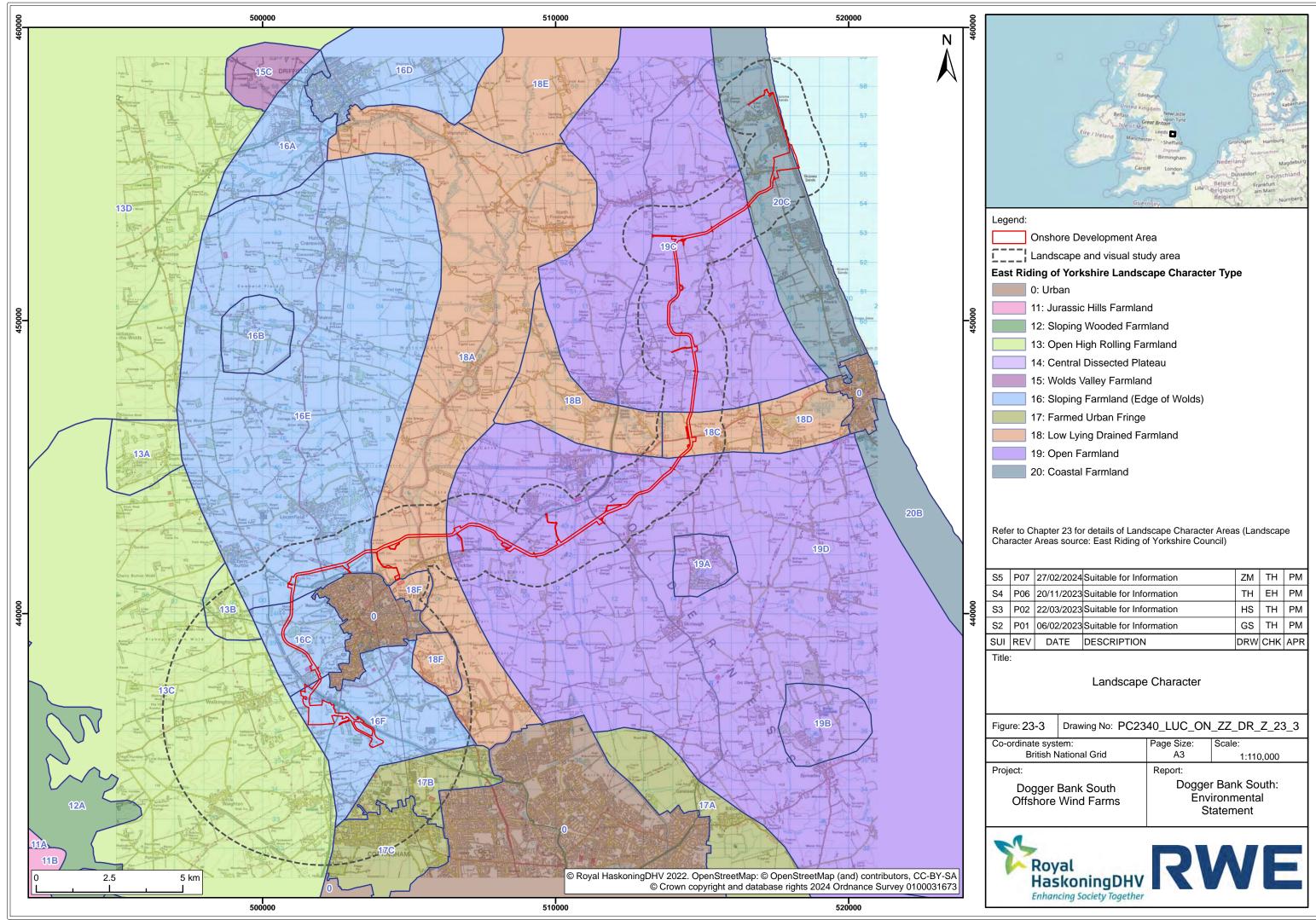
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P06	20/11/2023	Suitable for Information	ΤH	EH	PM
P02	22/03/2023	Suitable for Information	HS	ΤH	PM
P01	06/02/2023	Suitable for Information	GS	ΤH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

ure: 23-2a	re: 23-2a Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23_			
ordinate syst		Page Size:	Scale:	
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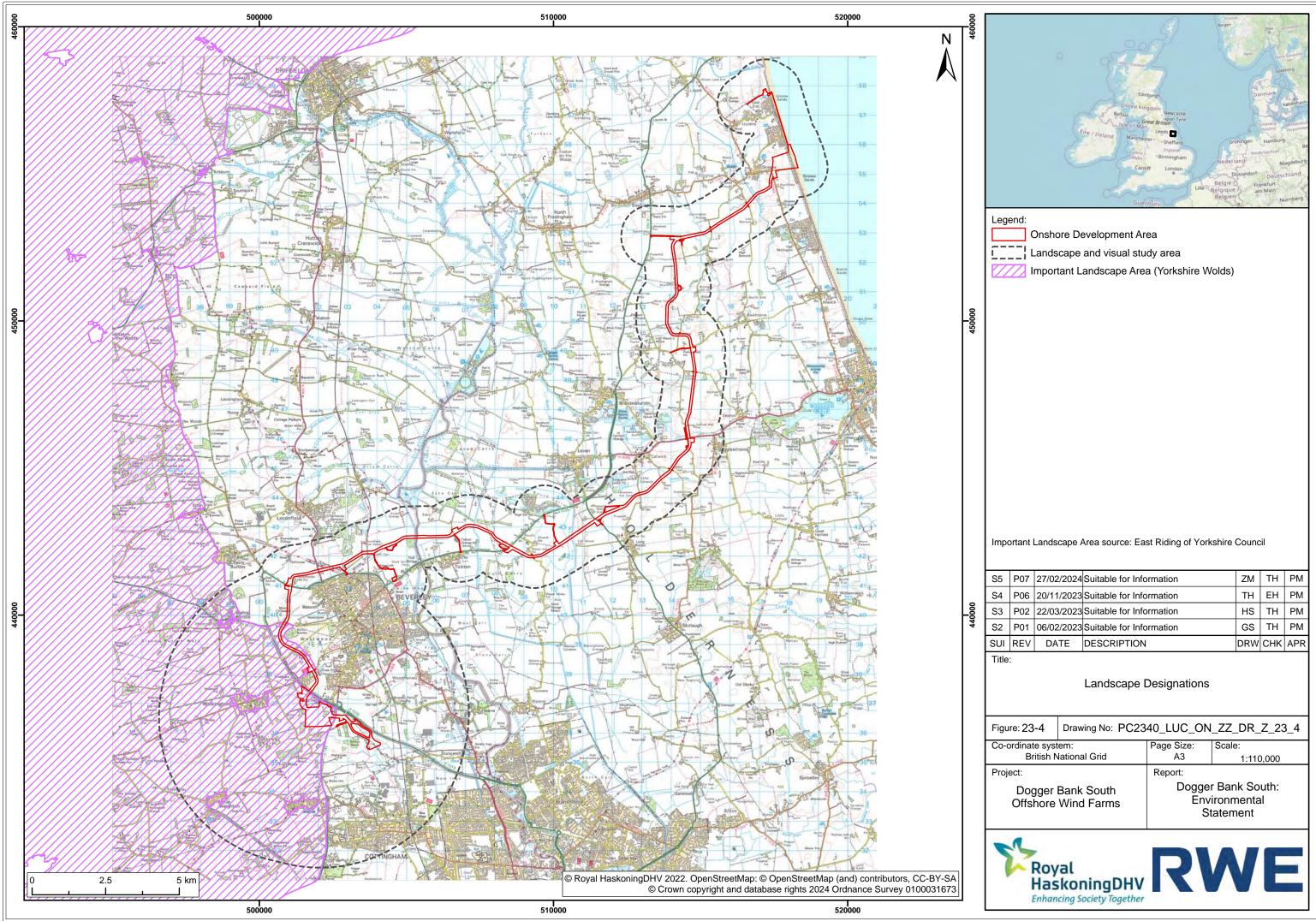
ıre: 2 3-2 b	Drawing No: PC2340	340_LUC_ON_ZZ_DR_Z_23_2_1		
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Dogger Bank South Offshore Wind Farms		Dogger Bank South: Environmental Statement		
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gena:	
	Onshore Development Area
;	Landscape and visual study area
st Ri	ding of Yorkshire Landscape Character Type
	0: Urban
	11: Jurassic Hills Farmland
	12: Sloping Wooded Farmland
	13: Open High Rolling Farmland
	14: Central Dissected Plateau
	15: Wolds Valley Farmland
	16: Sloping Farmland (Edge of Wolds)
	17: Farmed Urban Fringe
	18: Low Lying Drained Farmland
	19: Open Farmland
	20: Coastal Farmland

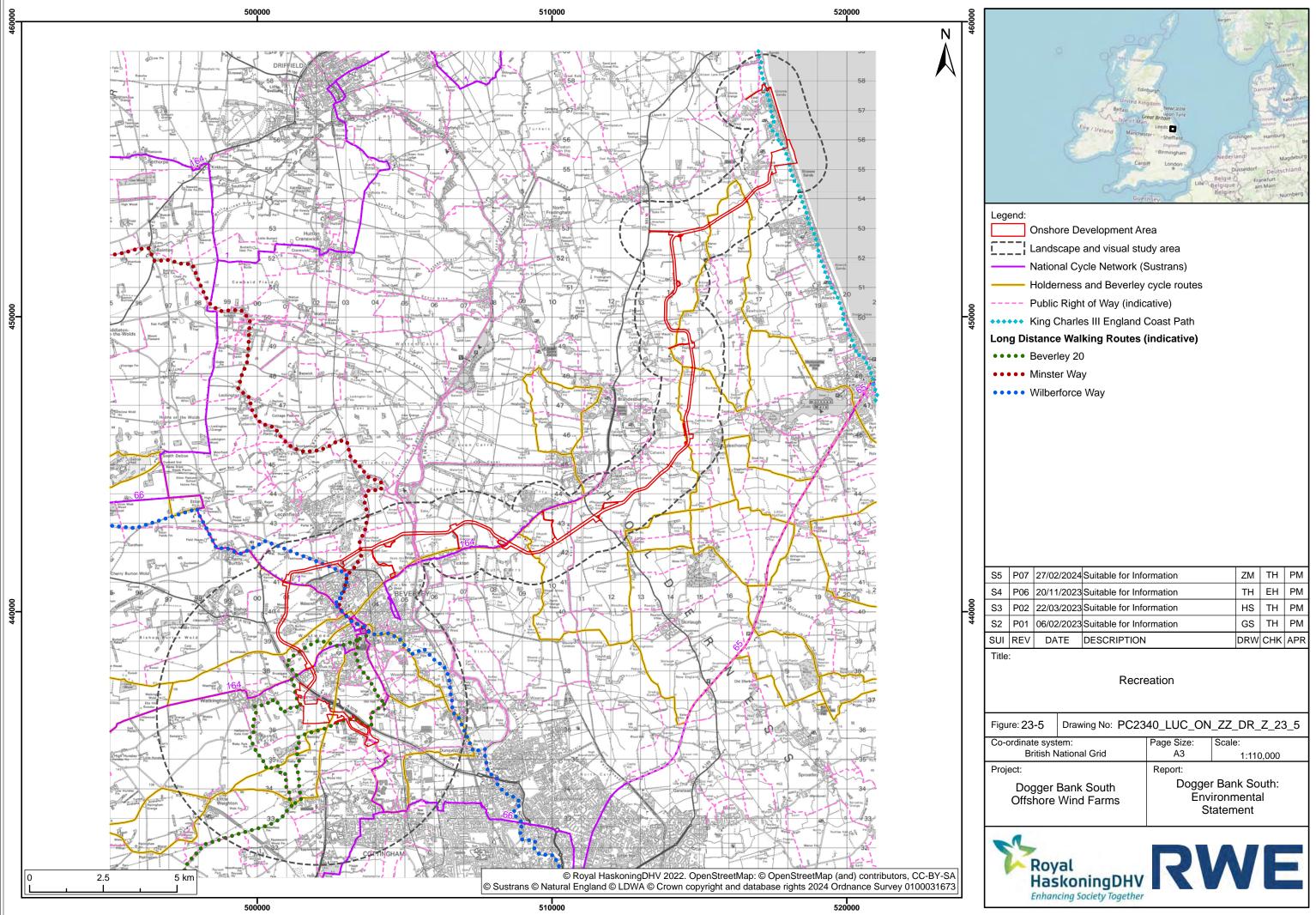
P07	27/02/2024	Suitable for Information	ZM	ΤH	PM
P06	20/11/2023	Suitable for Information	ΤН	EH	ΡM
P02	22/03/2023	Suitable for Information	HS	ΤH	PM
P01	06/02/2023	Suitable for Information	GS	ΤH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

ure: 23-3	23-3 Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23_			
ordinate system: British National Grid		Page Size: A3	Scale: 1:110,000	
ject:		Report:		
	Bank South Wind Farms	Dogger Bank South: Environmental Statement		



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P06	20/11/2023	Suitable for Information	TH	EH	PM
P02	22/03/2023	Suitable for Information	HS	ΤН	ΡM
P01	06/02/2023	Suitable for Information	GS	TH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

ure: 23-4 Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23_4				
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P06	20/11/2023	Suitable for Information	ΤН	EH	PM
P02	22/03/2023	Suitable for Information	HS	ΤН	PM
P01	06/02/2023	Suitable for Information	GS	ΤH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

ure: 23-5 Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23_5			_ZZ_DR_Z_23_5	
ordinate syst	em:	Page Size:	Scale:	
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ject:		Report:		
Dogger Bank South Offshore Wind Farms		Env	r Bank South: ironmental atement	





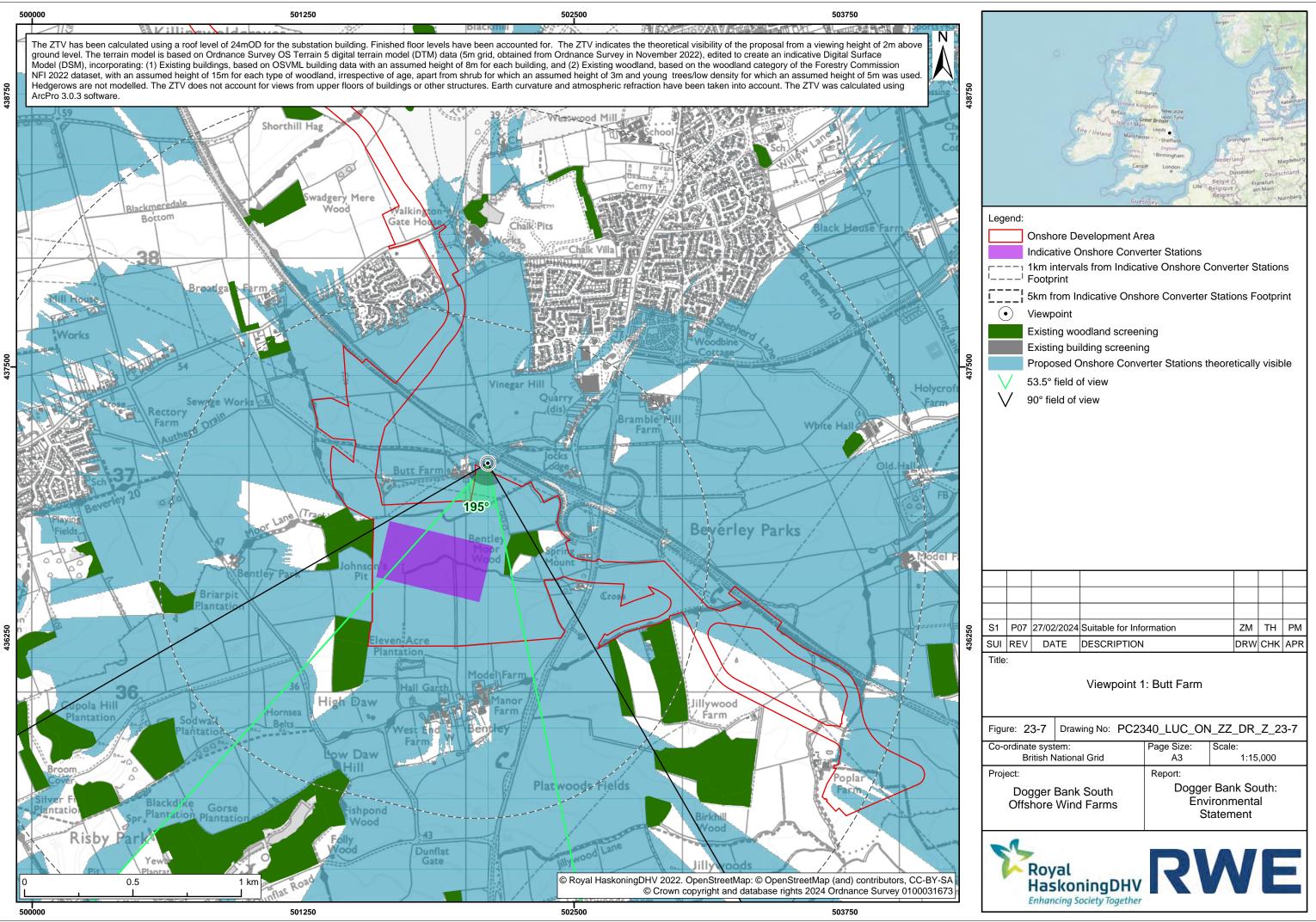
	Onshore Substation Zone
	Existing utilities
	Area of underground cables
in the	Proposed meadow grassland
C STRATZON	Proposed woodland meadow
628	Existing woodland to be retained
000	Proposed native woodland
	Existing hedgerow to be retained
The R	Proposed native hedgerow
CAR I	Proposed native hedgerow with trees
aller .	Proposed scrub
-	Area for SUDs (indicative)
1///	Area to be returned to agriculture
Section 1	Access
	Area of earthworks to be re-seeded with grassland
	Public Right of Way

----- Public Right of Way diversion

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	P07	06/03/2024	Suitable for Information	SH	EH	PM
	P07	27/02/2024	Suitable for Information	SH	EH	PM
	P06	22/11/2023	Suitable for Information	SH	EH	РM
	P02	22/03/2023	Suitable for Information	HS	TH	PM
	P01	06/02/2023	Suitable for Information	GS	ΤН	PM
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Indicative Landscape Plan

ure: 23-6 Drawing	No: PC23	40_LUC_ON	_ZZ_DR_Z_23_6	
ordinate system:		Page Size:	Scale:	
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		St	atement	
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ure: 23-7 Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23-7			
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Dogger Bank South Offshore Wind Farms		Dogger Bank South: Environmental Statement	





OS reference: 502102 E 437056 N AOD (Above Ordnance Datum): 28.93 m Direction of view: 195° 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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	19/05/2022 08:15

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 11/10/2023.

Wireline view		

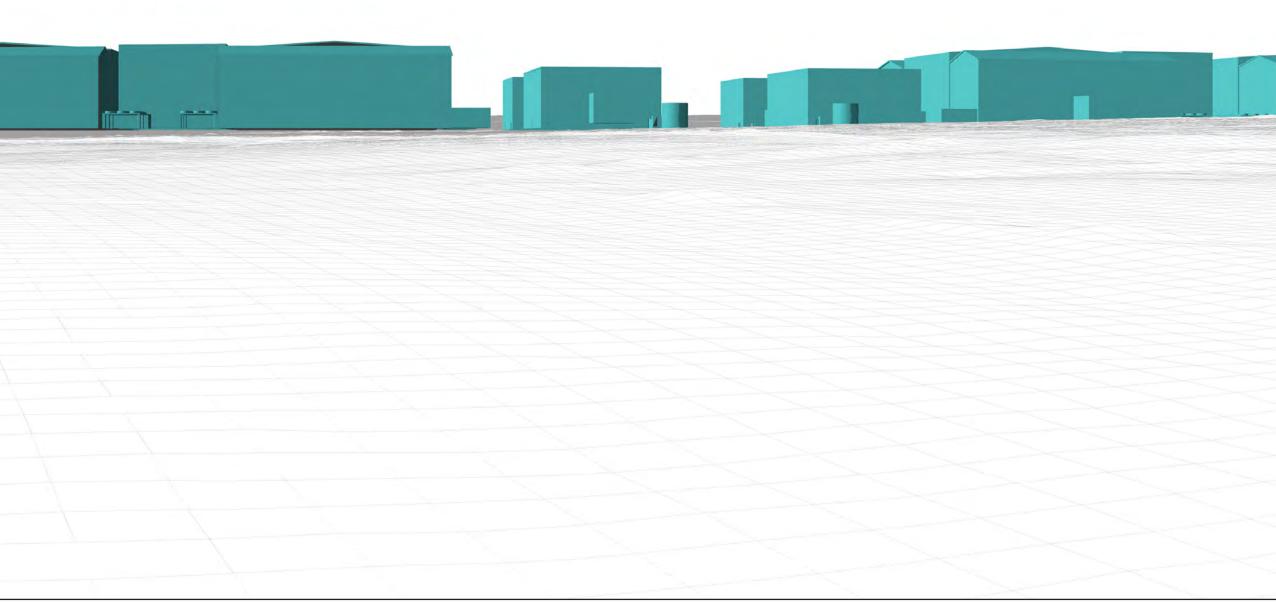


OS reference:502102 E 437056 NAOD (Above Ordnance Datum):28.93 mDirection of view:195°Horizontal field of view:90° (cylindrical projection)

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

Data Sources:

Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. Platform height of Western HVDC at 33.45m AOD and Eastern HVDC at 30.4m provided by Royal Haskoning on 12/10/2023







OS reference:502102 E 437056 NAOD (Above Ordnance Datum):28.93 mDirection of view:195° Horizontal field of view: 90° (cylindrical projection)

Vertical field of view:	27°
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Correct printed image size:	820 x 250 mm

Camera:NIKON D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:19/05/2022 08:15

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 11/10/2023.



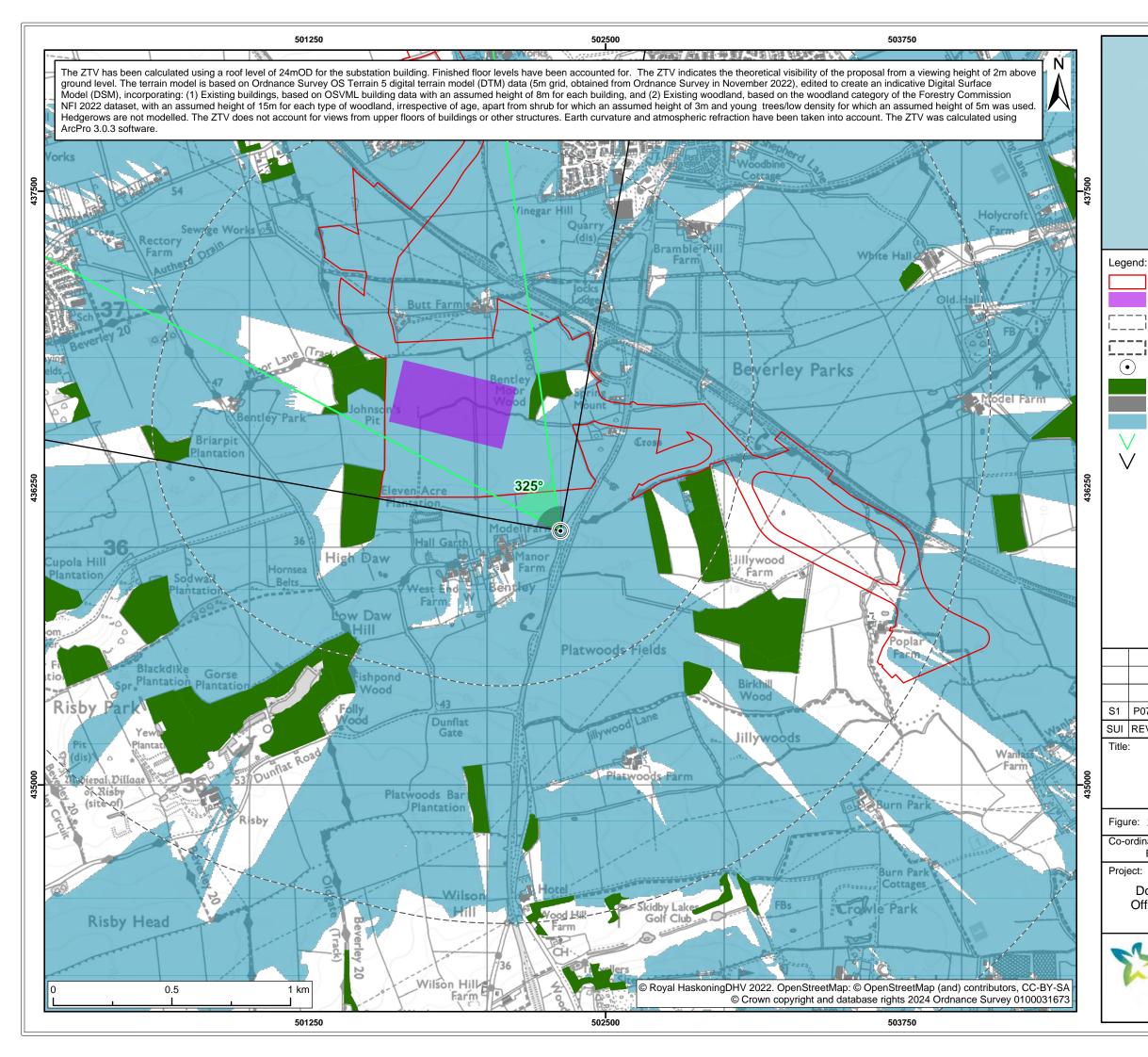


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27°
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820 x 250 mm

Camera:NIKON D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:19/05/2022 08:15

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 11/10/2023.





	Onshore Development Area
	Indicative Onshore Converter Stations
	1km intervals from Indicative Onshore Converter Stations Footprint
	5km from Indicative Onshore Converter Stations Footprint
•	Viewpoint
	Existing woodland screening
	Existing building screening
	Proposed Onshore Converter Stations theoretically visible

- 53.5° field of view
- 90° field of view

P07	27/02/2024	Suitable for Information	ZM	TH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

Viewpoint 2: Coppleflat Lane, Bentley

re: 23-8 Drawing No: PC	2340_LUC_ON	I_ZZ_DR_Z_23-8		
ordinate system: British National Grid	Page Size: A3	Scale: 1:15,000		
ect:	Report:			
Dogger Bank South Offshore Wind Farms	Env	Dogger Bank South: Environmental Statement		
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HaskoningDHV

Enhancing Society Together





OS reference: 502310 E 436070 N AOD (Above Ordnance Datum): 23.8 m Direction of view: 325° 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/1.8E
Camera height:	1.5 m (above AOD)
Date and time:	19/05/2022 09:40

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 11/10/2023.

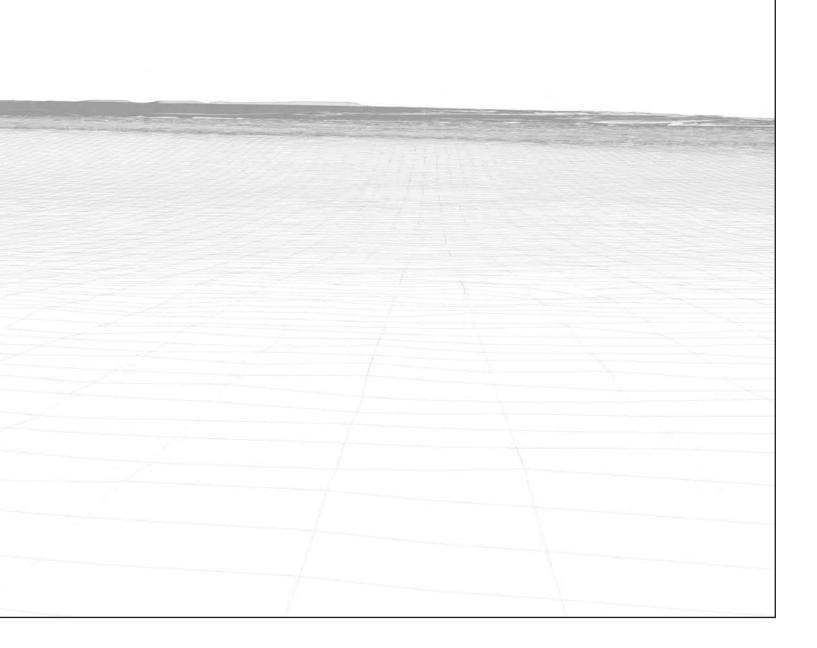
		HENRI		
Wireline view				



OS reference:502310 E 436070 NAOD (Above Ordnance Datum):23.8 mDirection of view:325° 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

Data Sources: Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. Platform height of Western HVDC at 33.45m AOD and Eastern HVDC at 30.4m provided by Royal Haskoning on 12/10/2023









OS reference: 502310 E 436070 N AOD (Above Ordnance Datum): 23.8 m Direction of view: 325° 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/1.8l
Camera height:	1.5 m (above AOD)
Date and time:	19/05/2022 09:40

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 11/10/2023.



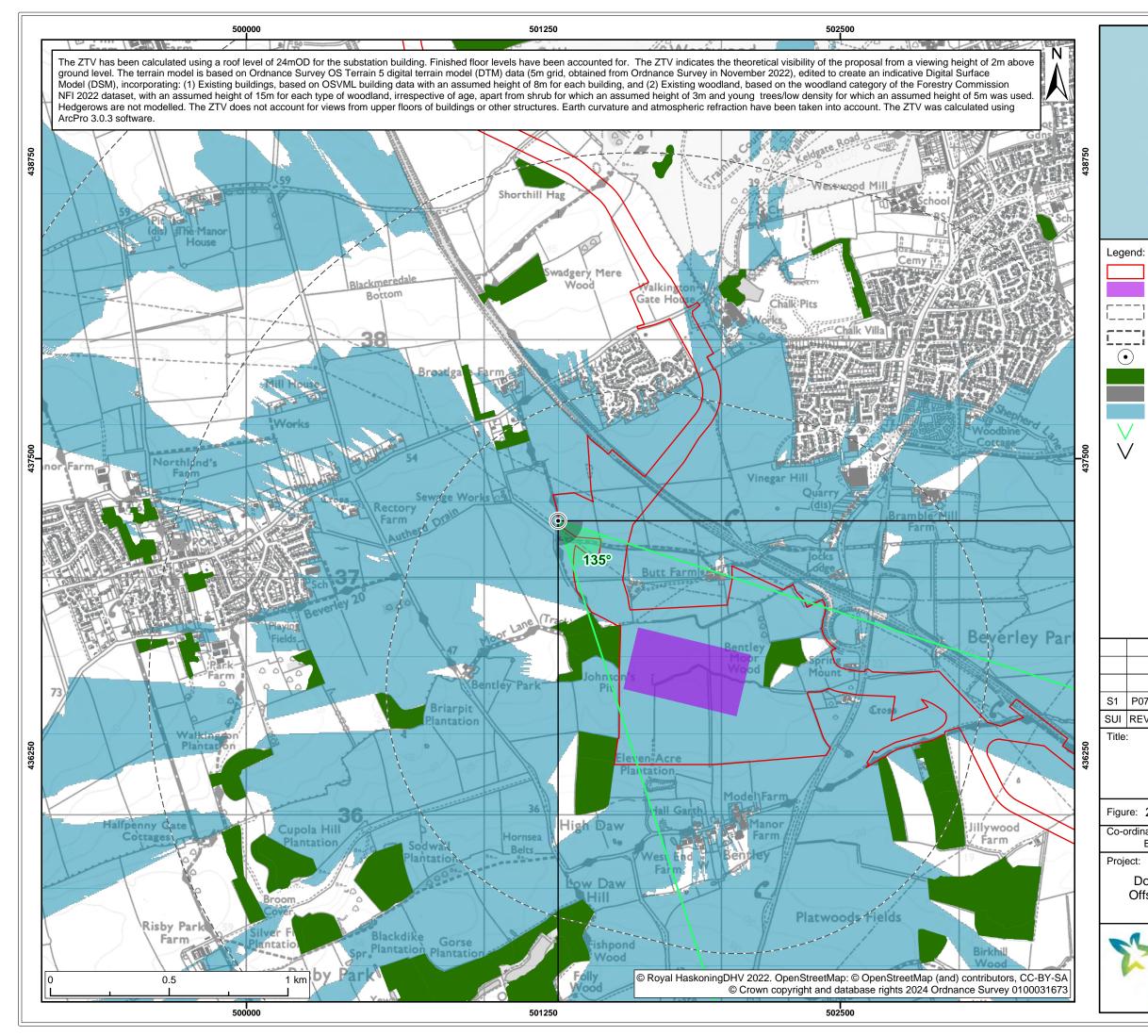


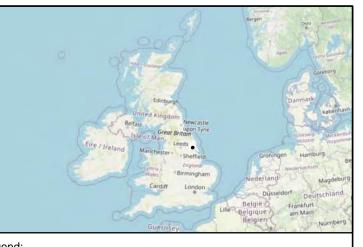
OS reference: 502310 E 436070 N AOD (Above Ordnance Datum): 23.8 m Direction of view: 325° Horizontal field of view: 90° (cylindrical projection)

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 D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:19/05/2022 09:40

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 11/10/2023.





- **Onshore Development Area** Indicative Onshore Converter Stations ----1 1km intervals from Indicative Onshore Converter Stations ----^I Footprint 5km from Indicative Onshore Converter Stations Footprint (\bullet) Viewpoint Existing woodland screening Existing building screening
 - Proposed Onshore Converter Stations theoretically visible 53.5° field of view
 - 90° field of view

P07	27/02/2024	Suitable for Information	ZM	ΤH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

Viewpoint 3: Beverley 20 near Broadgate

ure: 23-9	Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23-9		
ordinate syst British N	em: Iational Grid	Page Size: A3	Scale: 1:15,000
ject:		Report: Dogger Bank South:	
Dogger Bank South Offshore Wind Farms		Environmental Statement	
Bay			







OS reference:501312 E 437238 NAOD (Above Ordnance Datum):37.81 mDirection of view:135° Horizontal field of view: 90° (cylindrical projection)

27°
96%
841 x 297 mm (half A1)
820 x 250 mm

NIKON D750
Nikkor AF 50mm f/1.8l
1.5 m (above AOD)
17/01/2023 12:55

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 11/10/2023.

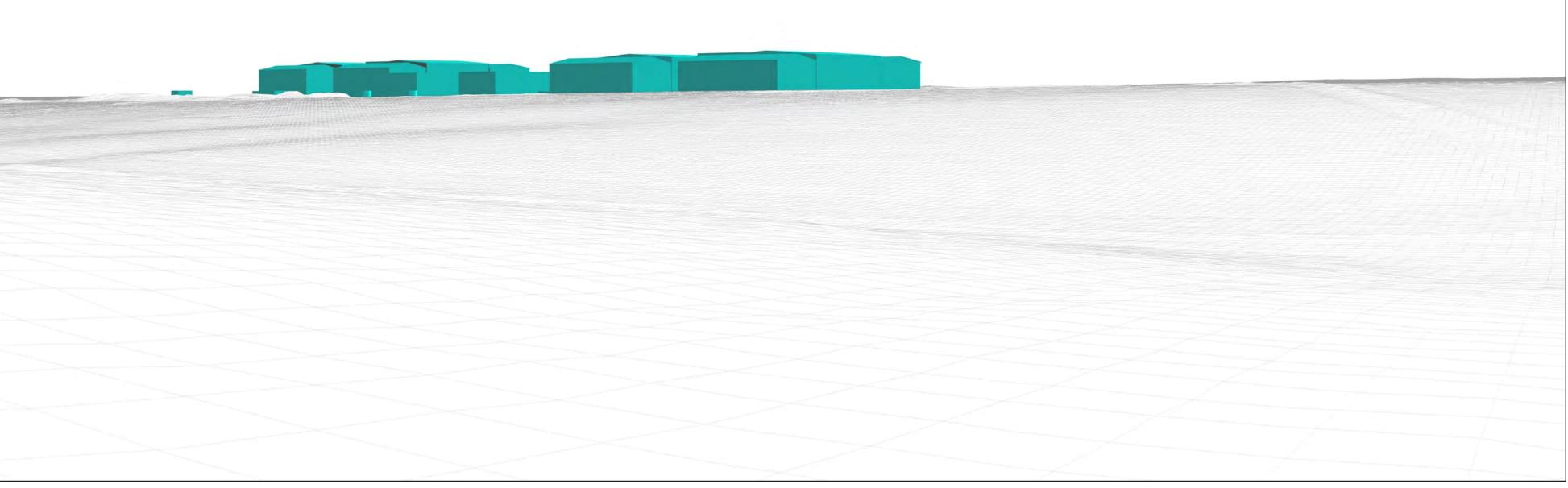
Wireline view			



OS reference:501312 E 437238 NAOD (Above Ordnance Datum):37.81 mDirection of view:135° 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

Data Sources: Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. Platform height of Western HVDC at 33.45m AOD and Eastern HVDC at 30.4m provided by Royal Haskoning on 12/10/2023







OS reference: 501312 E 437238 N AOD (Above Ordnance Datum): 37.81 m Direction of view: 135° 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

NIKON D750
Nikkor AF 50mm f/1.8E
1.5 m (above AOD)
17/01/2023 12:55

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 11/10/2023.



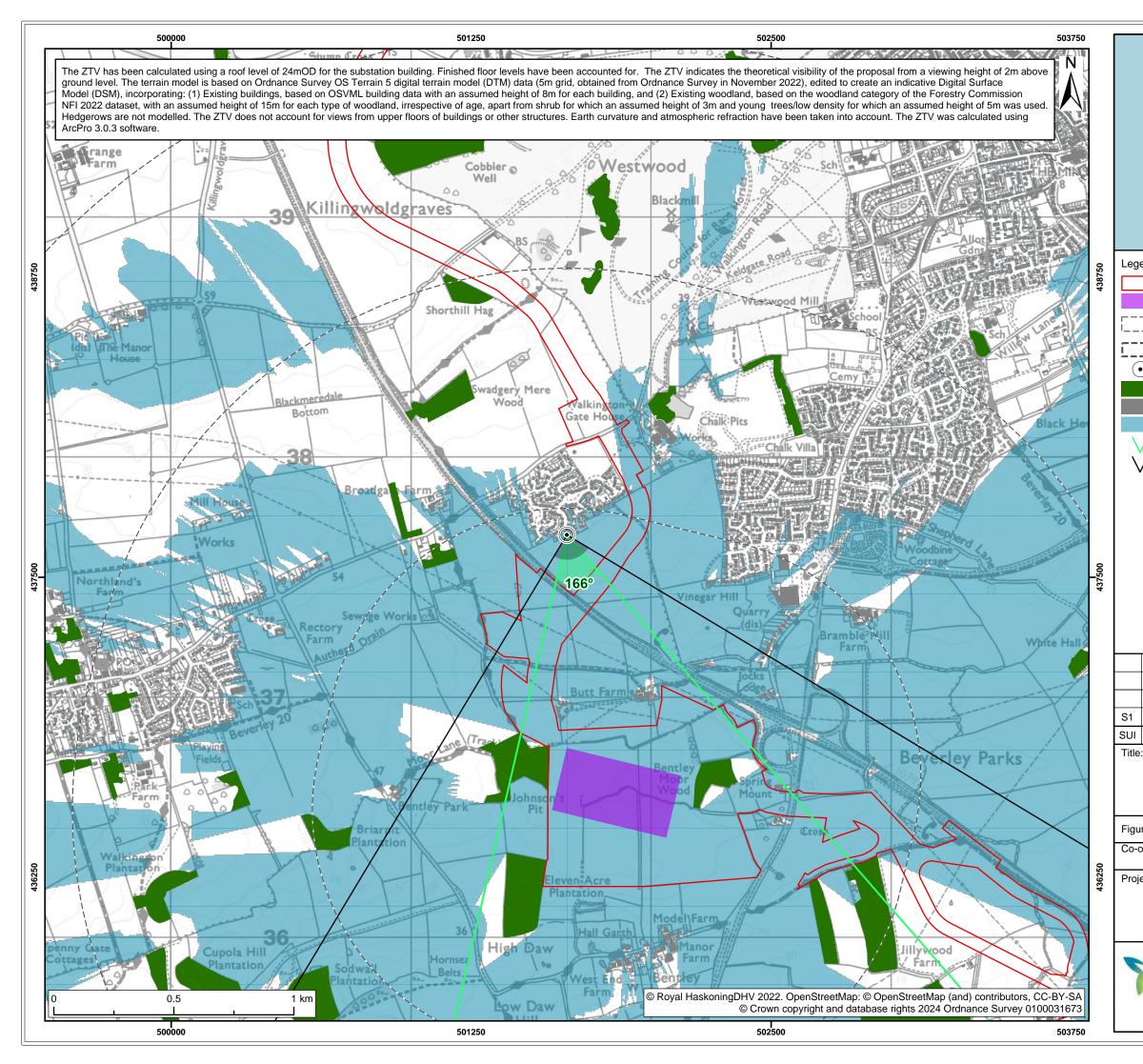


OS reference:501312 E 437238 NAOD (Above Ordnance Datum):37.81 mDirection of view:135° Horizontal field of view: 90° (cylindrical projection)

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 D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:17/01/2023 12:55

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 11/10/2023.





- **Onshore Development Area** Indicative Onshore Converter Stations ----1 1km intervals from Indicative Onshore Converter Stations ----^I Footprint 5km from Indicative Onshore Converter Stations Footprint (\bullet) Viewpoint Existing woodland screening Existing building screening
 - Proposed Onshore Converter Stations theoretically visible 53.5° field of view 90° field of view

P07	27/02/2024	Suitable for Information	ZM	ΤH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

Viewpoint 4: Oriel Close, off Broadgate

ure: 23-10	Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23-10		_ZZ_DR_Z_23-10
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British N	lational Grid	A3	1:15,000
ject:		Report:	
Dogger Bank South Offshore Wind Farms		Env	r Bank South: ironmental atement
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OS reference:501649 E 437677 NAOD (Above Ordnance Datum):51.74 mDirection of view:166° 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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	29/09/2023 09:43

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 11/10/2023.

Wireline view

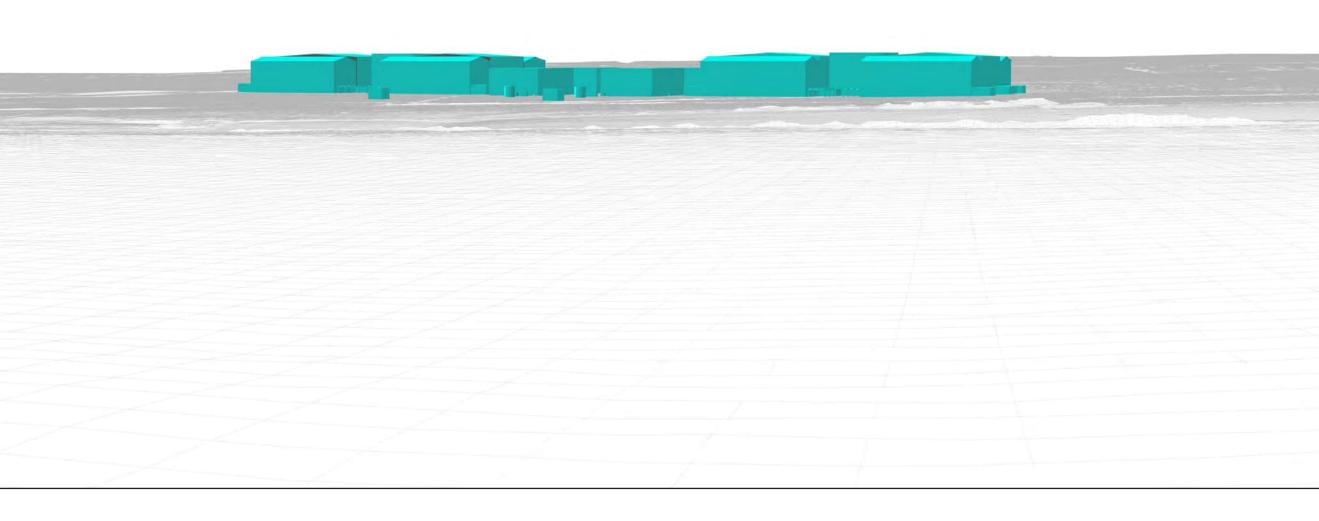


OS reference:501649 E 437677 NAOD (Above Ordnance Datum):51.74 mDirection of view:166°Horizontal field of view:90° (cylindrical projection)

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

Data Sources:

Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. 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:501649 E 437677 NAOD (Above Ordnance Datum):51.74 mDirection of view:166° 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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	29/09/2023 09:43

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 11/10/2023.



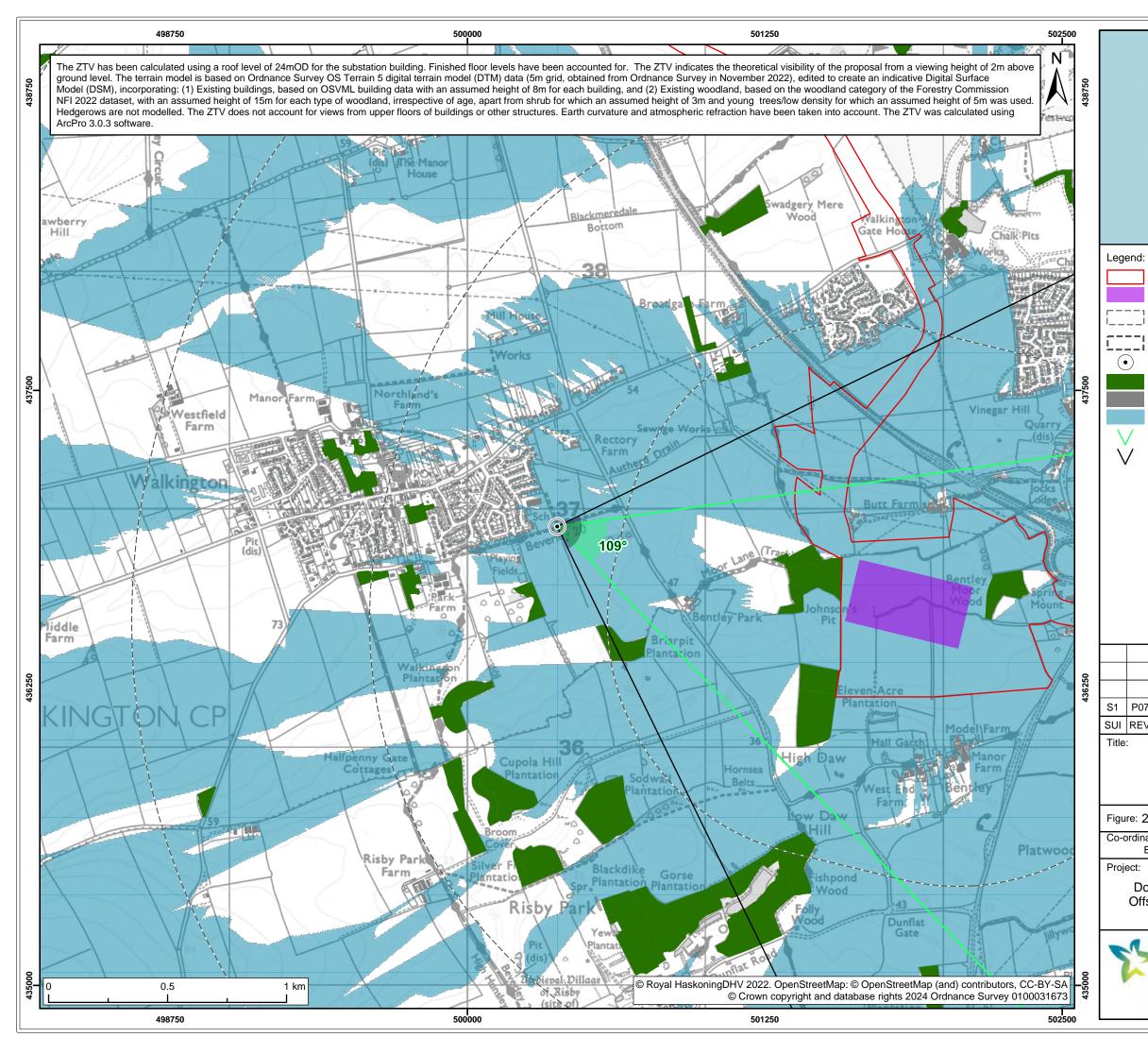


OS reference:501649 E 437677 NAOD (Above Ordnance Datum):51.74 mDirection of view:166° Horizontal field of view: 90° (cylindrical projection)

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 D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:29/09/2023 09:43

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 11/10/2023.





- **Onshore Development Area** Indicative Onshore Converter Stations ----1 1km intervals from Indicative Onshore Converter Stations ---- Footprint 5km from Indicative Onshore Converter Stations Footprint (\bullet) Viewpoint Existing woodland screening Existing building screening Proposed Onshore Converter Stations theoretically visible
 - 53.5° field of view
 - 90° field of view

P07	27/02/2024	Suitable for Information	ZM	ΤH	ΡM
REV	DATE	DESCRIPTION	DRW	СНК	APR

Viewpoint 5: Walkington

ure: 23-11	Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23-11		
ordinate system: British National Grid		Page Size: A3	Scale: 1:15,000
ject: Dogger Bank South Offshore Wind Farms		Env	r Bank South: ironmental catement
Roy	al		







OS reference: 500377 E 436928 N AOD (Above Ordnance Datum): 52.79 m Direction of view: 109° 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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	17/01/2023 12:16

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 11/10/2023.

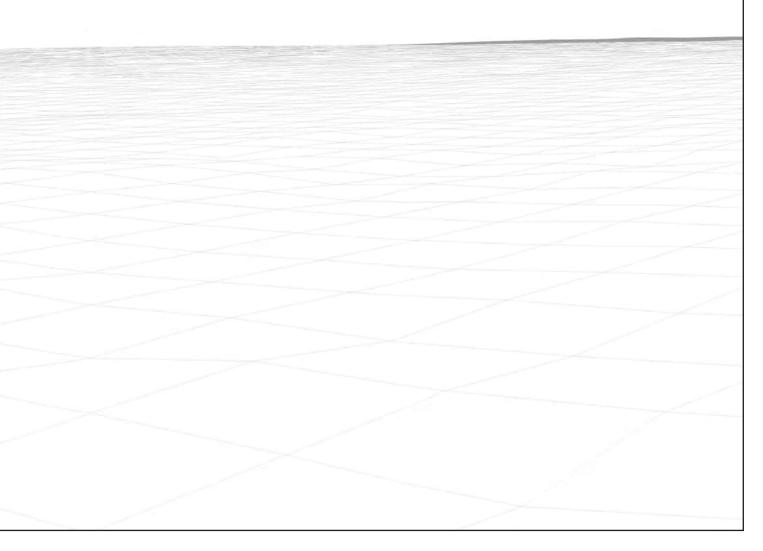
Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-11 Viewpoint 5: Walkington

Wireline view		



OS reference: 500377 E 436928 N AOD (Above Ordnance Datum): 52.79 m Direction of view: 109° 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

Data Sources: Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. 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 23-11 Viewpoint 5: Walkington



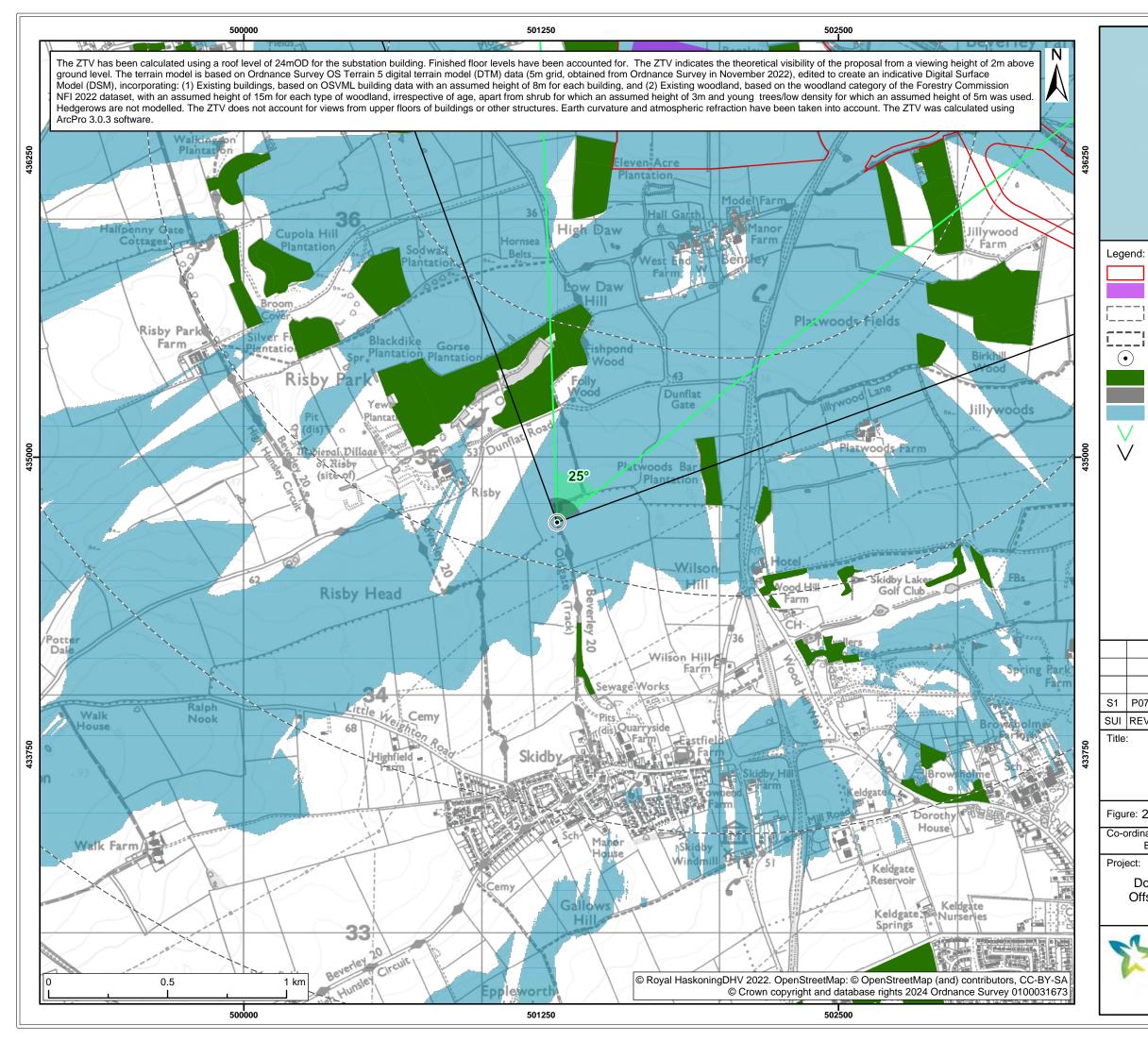
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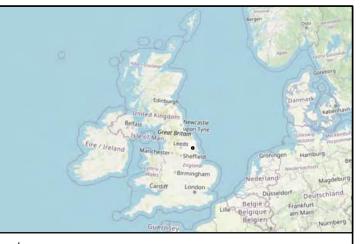
OS reference:500377 E 436928 NAOD (Above Ordnance Datum):52.79 mDirection of view:109°Horizontal field of view:90° (cylindrical projection)

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 D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:17/01/2023 12:16

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 11/10/2023. Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-11 Viewpoint 5: Walkington





- **Onshore Development Area** Indicative Onshore Converter Stations ----1 1km intervals from Indicative Onshore Converter Stations ^I---^I Footprint 5km from Indicative Onshore Converter Stations Footprint (\bullet) Viewpoint Existing woodland screening Existing building screening Proposed Onshore Converter Stations theoretically visible
 - 53.5° field of view
 - 90° field of view

P07	27/02/2024	Suitable for Information	ZM	ΤH	ΡM
REV	DATE	DESCRIPTION	DRW	СНК	APR

Viewpoint 6: Footpath, Risby

ire: 23-12	Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23-12		
ordinate system: British National Grid		Page Size: A3	Scale: 1:15,000
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Dogger Bank South Offshore Wind Farms		Env	r Bank South: ironmental atement
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OS reference:501317 E 434726 NAOD (Above Ordnance Datum):60.4 mDirection of view:25° 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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	19/05/2022 11:05

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-12 Viewpoint 6: Footpath, Risby

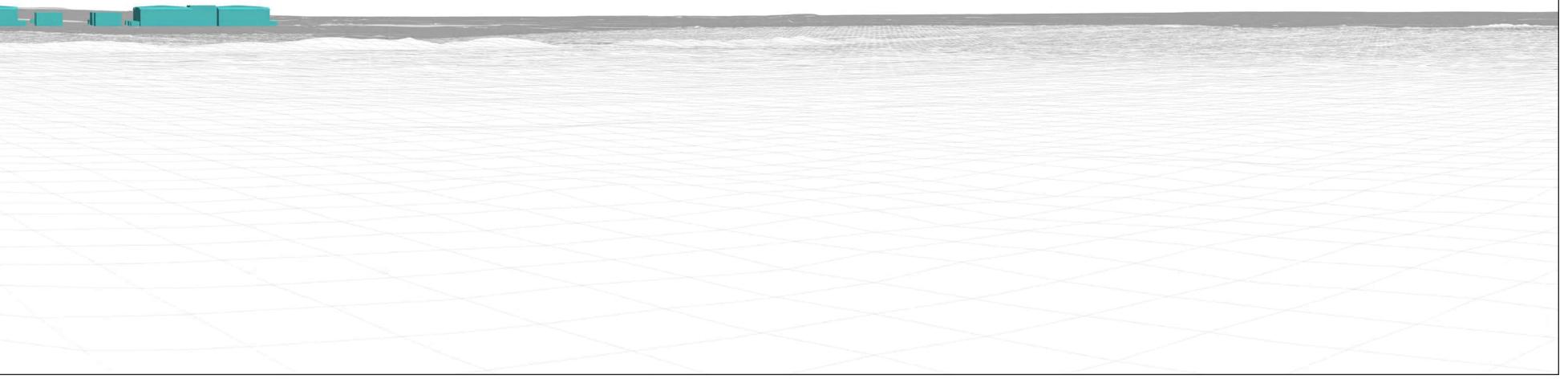
Wireline view	

LUC

OS reference:501317 E 434726 NAOD (Above Ordnance Datum):60.4 mDirection of view:25° 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

Data Sources: Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. 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 23-12 Viewpoint 6: Footpath, Risby





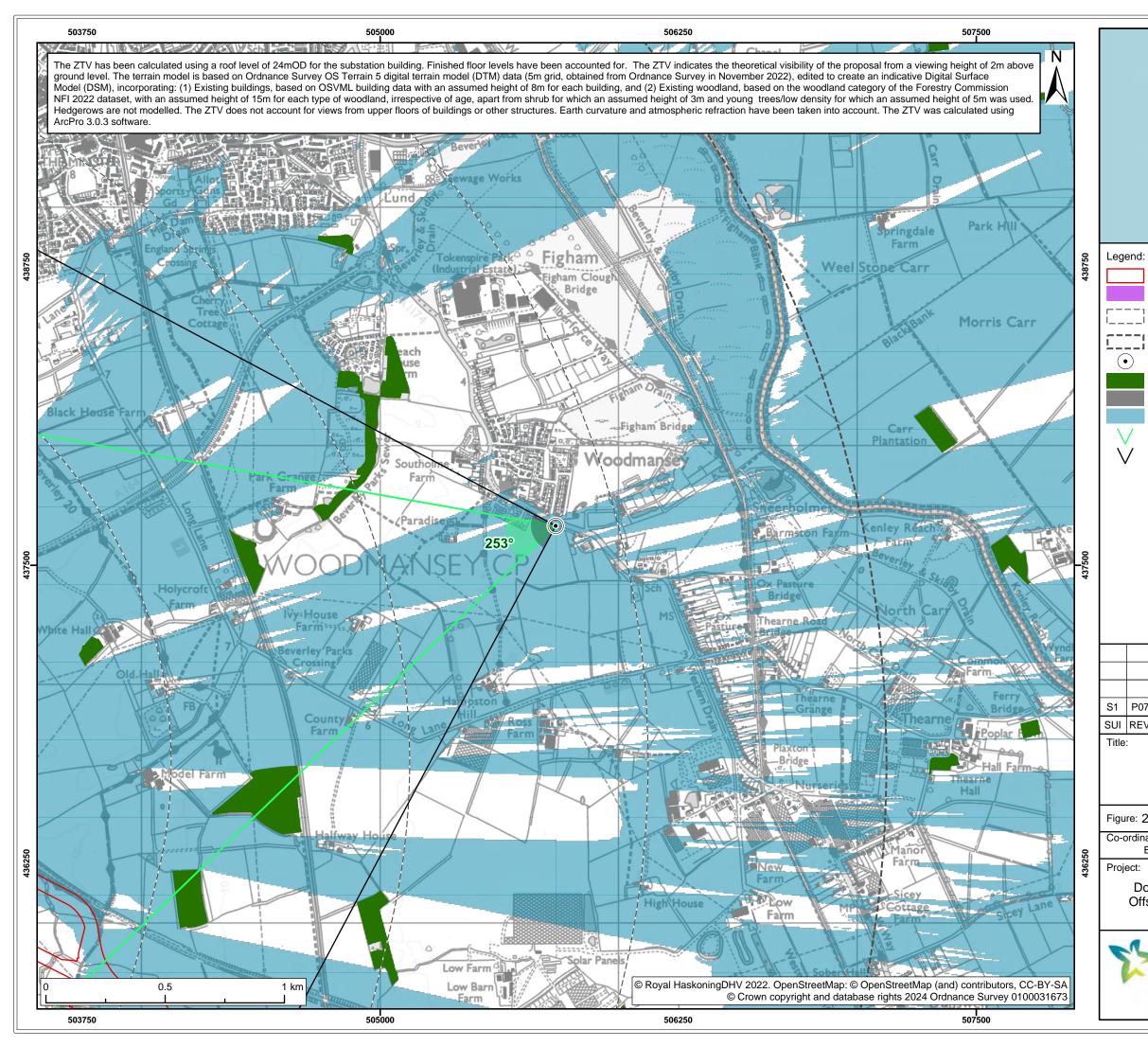
OS reference:501317 E 434726 NAOD (Above Ordnance Datum):60.4 mDirection of view:25° Horizontal field of view: 90° (cylindrical projection)

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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	19/05/2022 11:05

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-12 Viewpoint 6: Footpath, Risby





- **Onshore Development Area** Indicative Onshore Converter Stations \neg ----1 1km intervals from Indicative Onshore Converter Stations ^I---^I Footprint 5km from Indicative Onshore Converter Stations Footprint (\bullet) Viewpoint Existing woodland screening Existing building screening Proposed Onshore Converter Stations theoretically visible
 - 53.5° field of view
 - 90° field of view

P07	27/02/2024	Suitable for Information	ZM	ΤH	ΡM
REV	DATE	DESCRIPTION	DRW	СНК	APR

Viewpoint 7: Woodmansey

re: 23-13 Drawing No: PC234	40_LUC_ON	_ZZ_DR_Z_23-13
ordinate system: British National Grid	Page Size: A3	Scale: 1:15,000
^{ect:} Dogger Bank South Offshore Wind Farms	Report: Dogger Bank South: Environmental Statement	
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Enhancing Society Together





OS reference:505736 E 437665 NAOD (Above Ordnance Datum):3.22 mDirection of view:253° 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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	17/01/2022 10:52

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-13 Viewpoint 7: Woodmansey

Wireline view	



OS reference: 505736 E 437665 N AOD (Above Ordnance Datum): 3.22 m Direction of view: 253° 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

Data Sources: Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. 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 23-13 Viewpoint 7: Woodmansey



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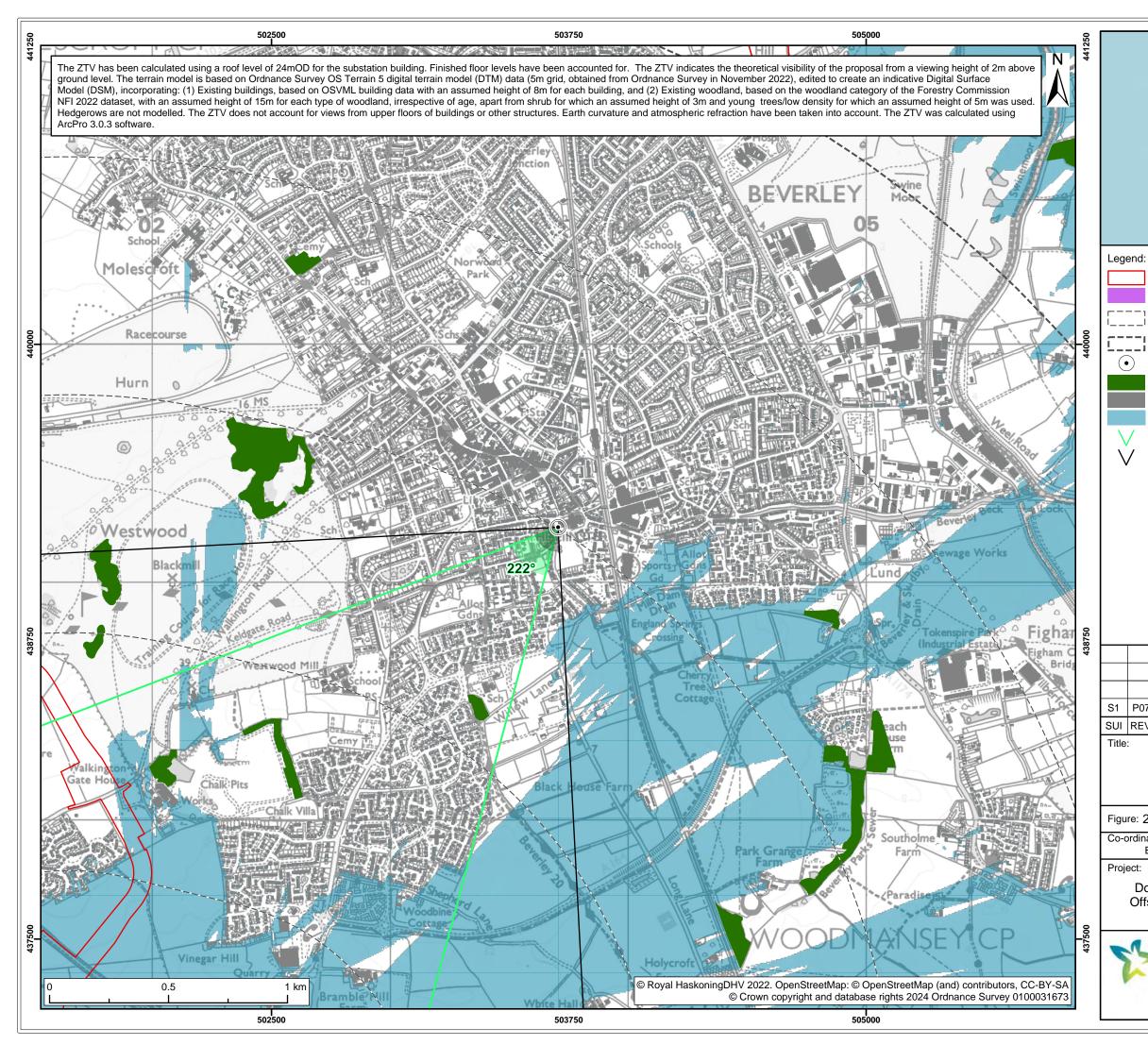
OS reference: 505736 R AOD (Above Ordnance Datum): 3.22 m Direction of view: 253° 505736 E 437665 N Horizontal field of view: 90° (cylindrical projection)

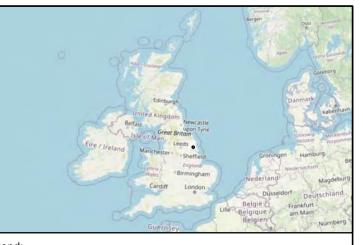
Vertical field of view:	27°
Image Enlargement Factor:	96%
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

NIKON D750
Nikkor AF 50mm f/1.8
1.5 m (above AOD)
17/01/2022 10:52

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-13 Viewpoint 7: Woodmansey





- **Onshore Development Area** Indicative Onshore Converter Stations ----1 1km intervals from Indicative Onshore Converter Stations ---- Footprint 5km from Indicative Onshore Converter Stations Footprint (\bullet) Viewpoint Existing woodland screening Existing building screening Proposed Onshore Converter Stations theoretically visible 53.5° field of view
 - 90° field of view

P07	27/02/2024	Suitable for Information	ZM	ΤН	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

Viewpoint 8: Beverley Minster Tower

ure: 23-14	Drawing No: PC2340_LUC_ON_ZZ_DR_Z_23-14		
ordinate system: British National Grid		Page Size: A3	Scale: 1:15,000
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OS reference:503705 E 439231 NAOD (Above Ordnance Datum):27.51 mDirection of view:222° 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
_ens:	Nikkor AF 50mm f/1.8E
Camera height:	1.5 m (above AOD)
Date and time:	29/09/2023 10:57

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-14 Viewpoint 8: Beverley Minster Tower

			Seal Street Of Street	
Wireline view				



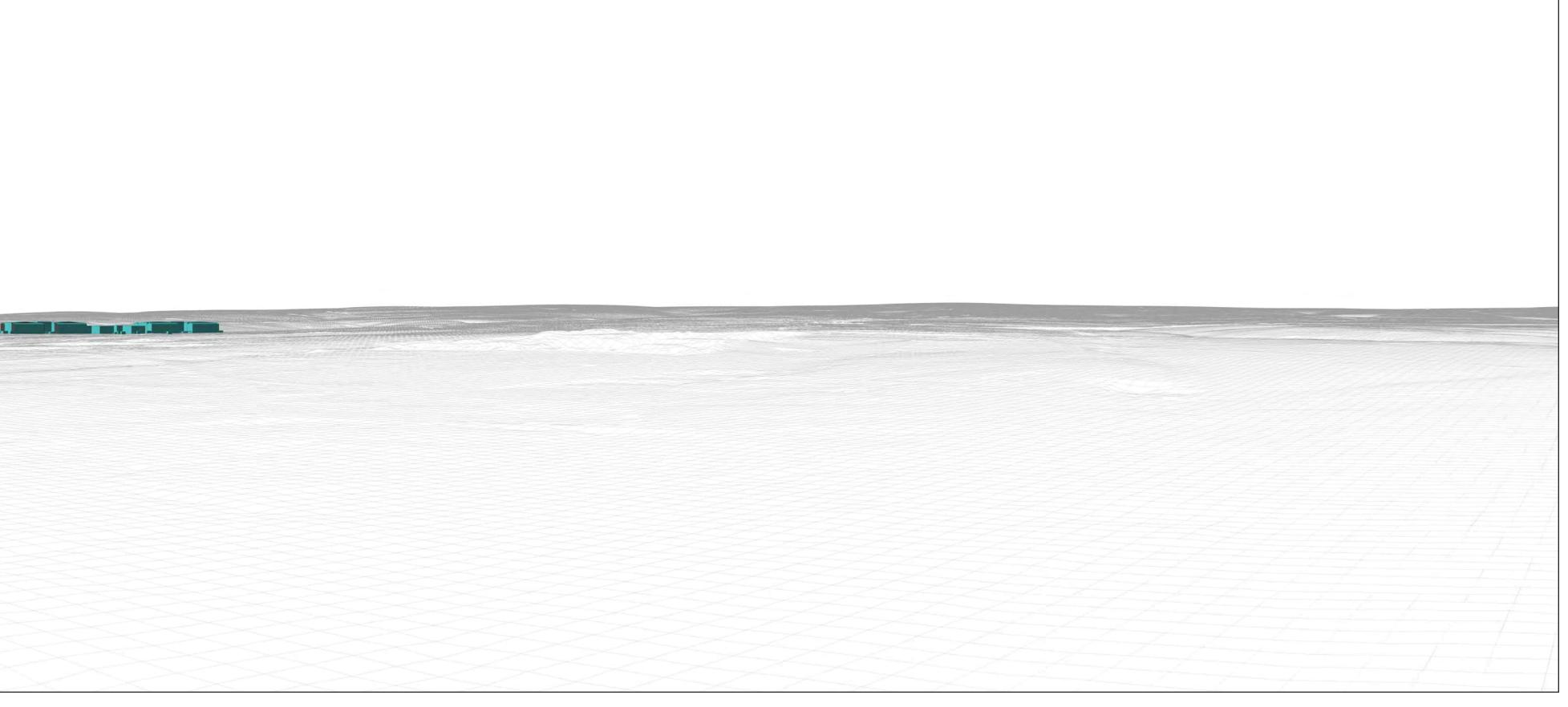
 OS reference:
 503700 L -.

 AOD (Above Ordnance Datum):
 27.51 m

 Direction of view:
 222°
503705 E 439231 N 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

Data Sources: Topography Digital Terrain Model (DTM) uses 1m National LiDAR programme (2020) Enivronment Agency data and Ordnance Survey OST50 data. 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 23-14 Viewpoint 8: Beverley Minster Tower





OS reference: 503705 E 439231 N AOD (Above Ordnance Datum): 27.51 m Direction of view: 222° 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 D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:29/09/2023 10:57

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-14 Viewpoint 8: Beverley Minster Tower





 OS reference:
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 AOD (Above Ordnance Datum):
 27.51 m

 Size of view:
 222°
503705 E 439231 N Horizontal field of view: 90° (cylindrical projection)

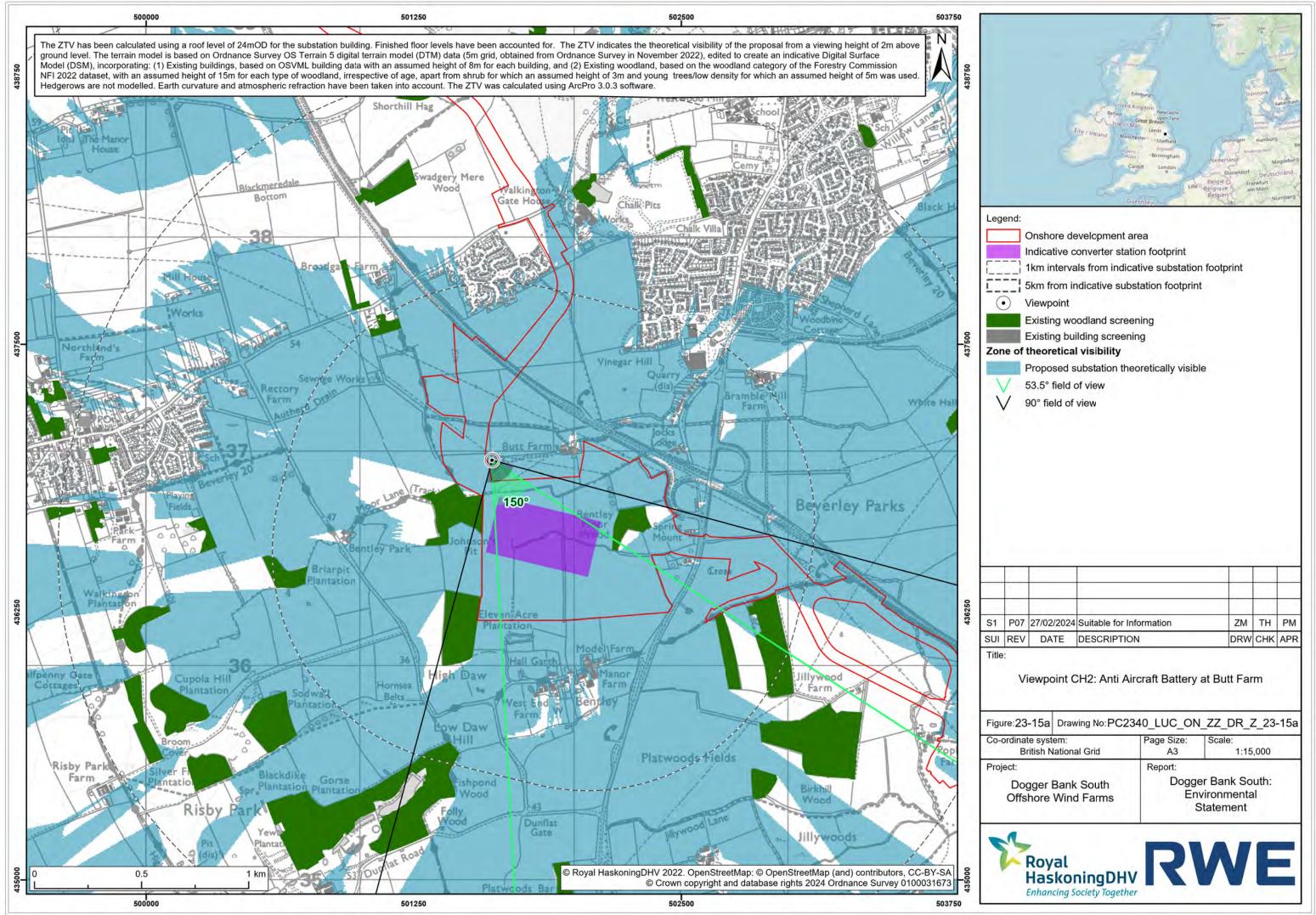
Vertical field of view: 27° Image Enlargement Factor:96%Paper size:841 x 297 mm (half A1) Correct printed image size: 820 x 250 mm

Camera:NIKON D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:29/09/2023 10:57

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report . Figure 23-14 Viewpoint 8: Beverley Minster Tower



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P07	27/02/2024	Suitable for Information	ZM	TH	PM
REV	DATE	DESCRIPTION	DRW	СНК	APR

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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/1.8
Camera height:	1.5 m (above AOD)
Date and time:	17/01/2023 13:09

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-15a1 Cultural Heritage Viewpoint 2: Anti Aircraft Battery at Butt Farm





OS reference:501616 E 436959 NAOD (Above Ordnance Datum):38.38 mDirection 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/1.8l
Camera height:	1.5 m (above AOD)
Date and time:	17/01/2023 13:09

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 11/10/2023. Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-15a2 Cultural Heritage Viewpoint 2: Anti Aircraft Battery at Butt Farm



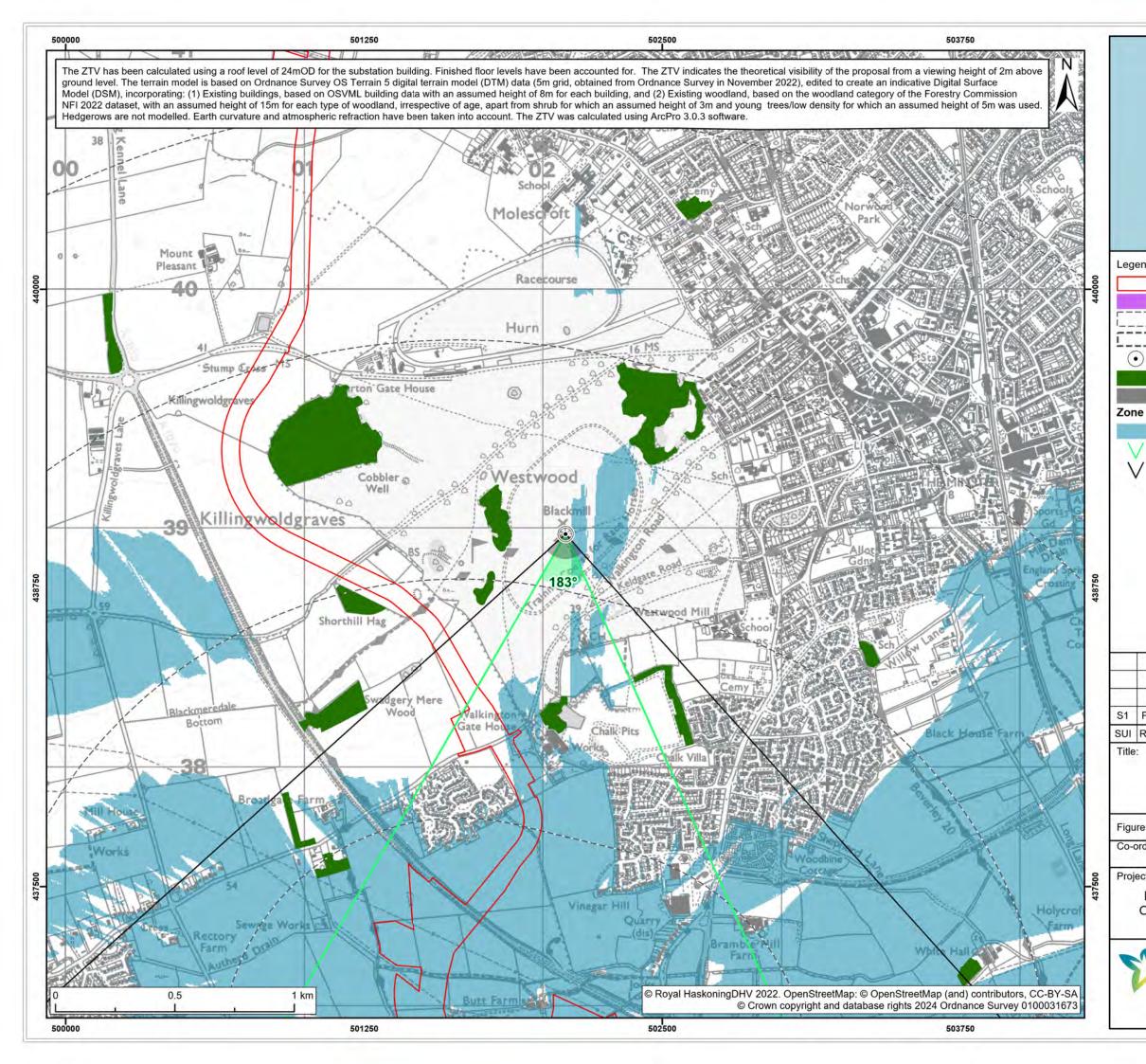
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OS reference:501616 E 436959 NAOD (Above Ordnance Datum):38.38 mDirection of view:150°Horizontal field of view:90° (cylindrical projection)

27°
96%
841 x 297 mm (half A1)
820 x 250 mm

Camera:NIKON D750Lens:Nikkor AF 50mm f/1.8DCamera height:1.5 m (above AOD)Date and time:17/01/2023 13:09

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 11/10/2023. Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-15a3 Cultural Heritage Viewpoint 2: Anti Aircraft Battery at Butt Farm





-	1	1
-	1	2
		1

- Indicative converter station footprint
- 1km intervals from indicative substation footprint
- 5km from indicative substation footprint
- Viewpoint
- Existing woodland screening
- Existing building screening

Zone of theoretical visibility

- Proposed substation theoretically visible
- 53.5° field of view
- 90° field of view

P07	27/02/2024	Suitable for Information	ZM	тн	PM
REV	DATE	DESCRIPTION	DRW	CHK	APR

Viewpoint CH3: SM's and LB at Black Mill

ordinate system:		Page Size:	Scale:
British National Grid		A3	1:15,000
_{ect:} Dogger Bank South Offshore Wind Farms		En	er Bank South: ivironmental Statement







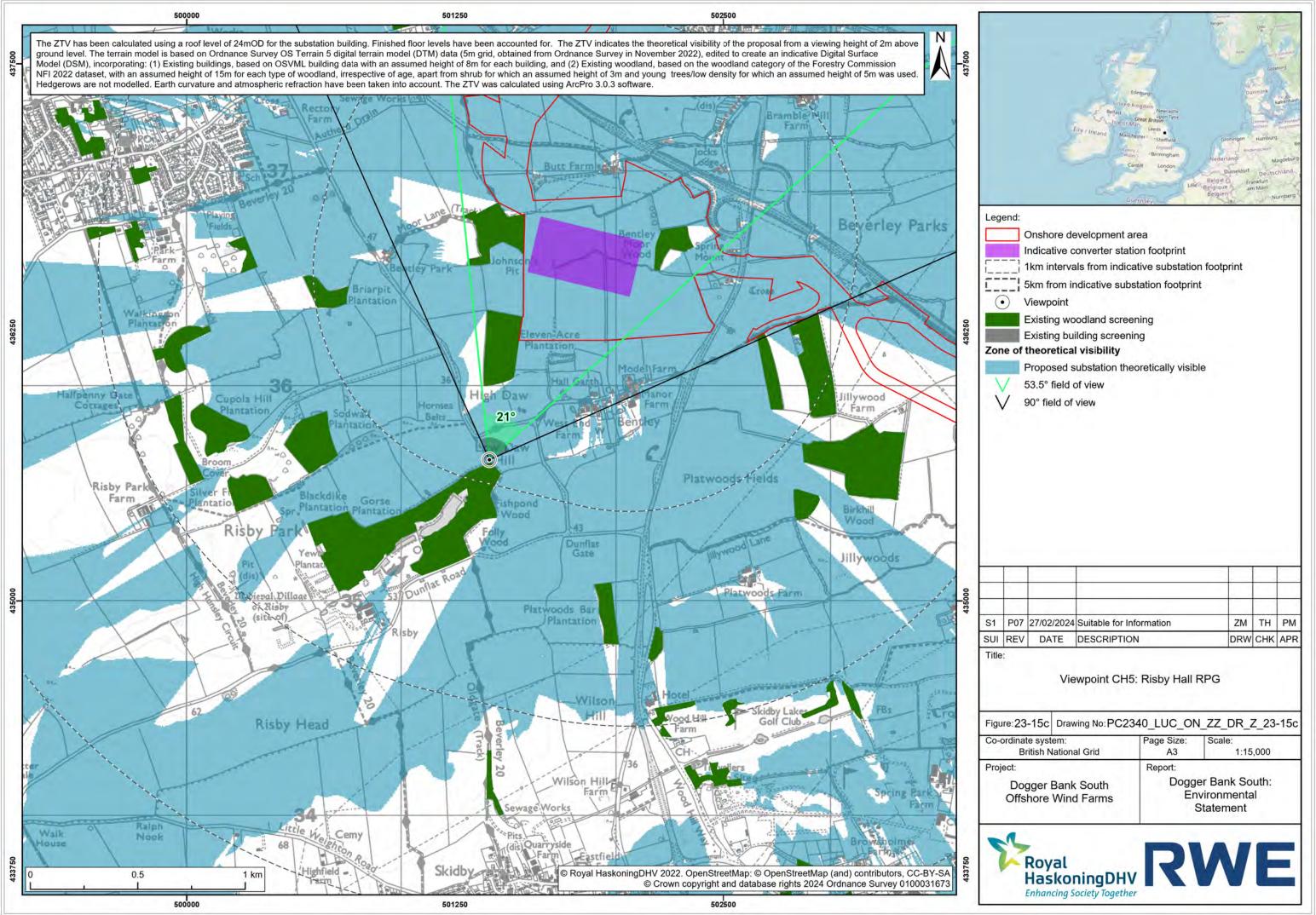
OS reference:502095 E 438975 NAOD (Above Ordnance Datum):39.57 mDirection of view:183° Horizontal field of view: 90° (cylindrical projection)

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/1.8E
Camera height:	1.5 m (above AOD)
Date and time:	17/01/2023 13:43

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 11/10/2023.

Dogger Bank South Offshore Wind Farms: Environmental Statement Report Figure 23-15b1 Cultural Heritage Viewpoint 3: SM's and LB at Black Mill



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P07	27/02/2024	Suitable for Information	ZM	тн	PM
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ordinate system: British National Grid	Page Size: A3	Scale: 1:15,000
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Offshore Wind Farms		





OS reference:	501410 E 435656 N
AOD (Above Ordnance Datum): Direction of view: Horizontal field of view:	37 m
Direction of view:	21°
Horizontal field of view:	90° (cylindrical projection)
HUHZUHIAI HEIU ÜI VIEW.	so (cymunical projection)

27°
96%
841 x 297 mm (half A1)
820 x 250 mm

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

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 11/10/2023.

Proposed onshore substation location



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