NORTH FALLS

Offshore Wind Farm

ENVIRONMENTAL STATEMENT

Chapter 30 – Figures (Part 2 of 6)

Document Reference:	3.2.26
Volume:	3.2
APFP Regulation:	5(2)(a)
Date:	July 2024
Revision:	0

Project Reference: EN010119

NORTH FALLS
Offshore Wind Farm

Project	North Falls Offshore Wind Farm
Document Title	Environmental Statement Chapter 30 - Figures
Document Reference	3.2.26
APFP Regulation	5(2)(a)
Supplier	Royal HaskoningDHV
Supplier Document ID	PB9244-RHD-ES-ON-RP-ON-0214

Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
0	July 2024	Submission	LUC	NFOW	NFOW

LUC

OS reference:	609119 E 229055 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	266°
Distance to proposed substation :	0.68 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
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:	11/01/2023 11:02

North Falls - Onshore Substation

Figure: 30.2.2a

Viewpoint 2: Bridleway at Barn Lane

LUC

OS reference:	609119 E 229055 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	266°
Distance to proposed substation :	0.68 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
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:	18/05/2022 10:26

North Falls - Onshore Substation

Figure: 30.2.2b

Viewpoint 2: Bridleway at Barn Lane

Visualisation showing cumulative development, including year 1 planting - (90 degree view)

LUC

OS reference:	609119 E 229055 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	266°
Distance to proposed substation :	0.68 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
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:	18/05/2022 10:26

North Falls - Onshore Substation

Figure: 30.2.2c

Viewpoint 2: Bridleway at Barn Lane

Visualisation showing cumulative development, including year 15 planting - (90 degree view)

LUC

OS reference:	609119 E 229055 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	266°
Distance to proposed substation :	0.68 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
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:	18/05/2022 10:26

North Falls - Onshore Substation

Figure: 30.2.2d

Viewpoint 2: Bridleway at Barn Lane

LUC

OS reference:	609119 E 229055 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	266°
Distance to proposed substation :	0.68 km

Horizontal field of view:	53.5° (planar projection)
Vertical field of view:	18.2°
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:	18/05/2022 10:26

North Falls - Onshore Substation

Figure: 30.2.2e

Viewpoint 2: Bridleway at Barn Lane

LUC

OS reference:	609119 E 229055 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	266°
Distance to proposed substation :	0.68 km

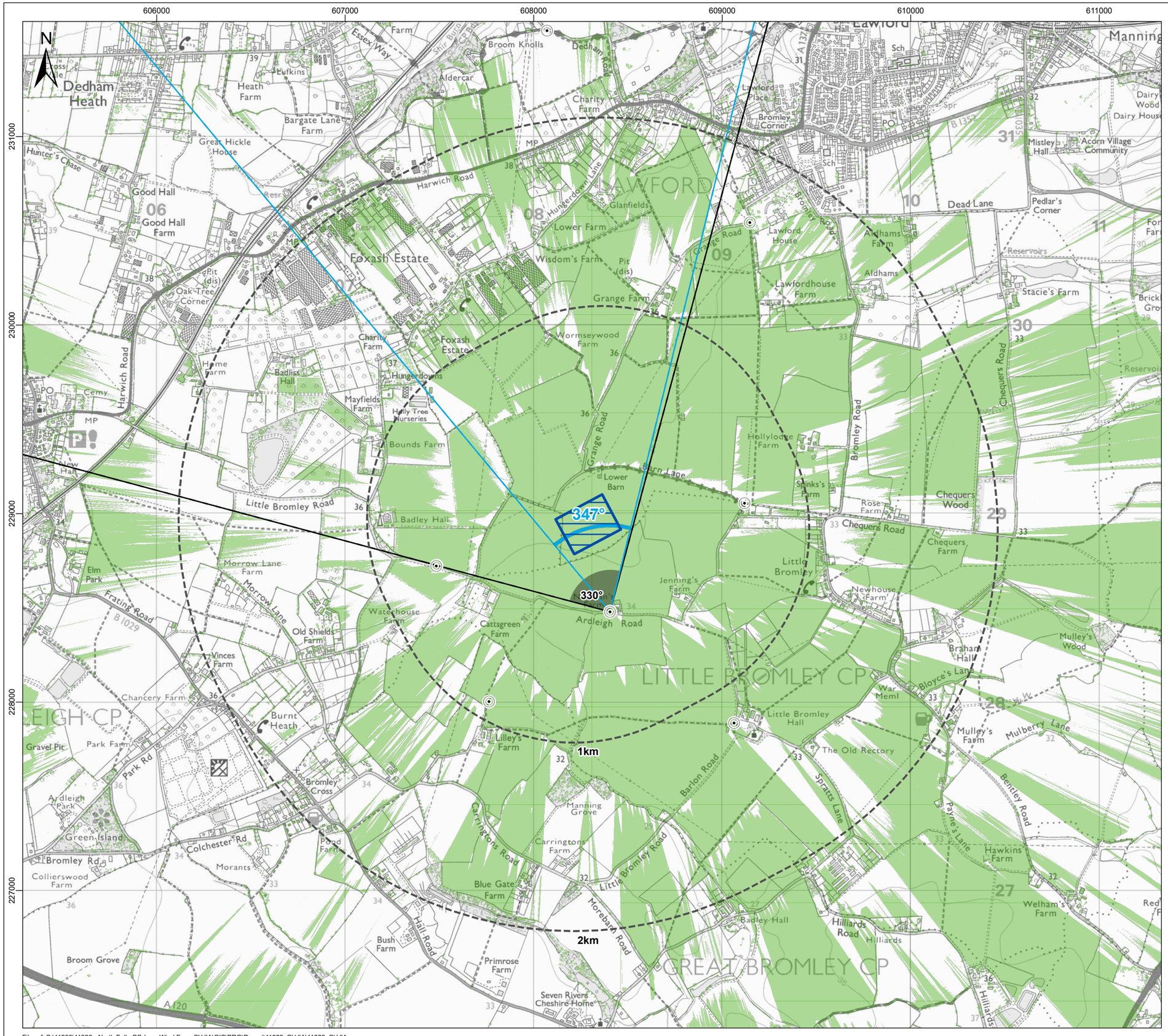
Horizontal field of view:	53.5° (planar projection)
Vertical field of view:	18.2°
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D750
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	18/05/2022 10:26

North Falls - Onshore Substation

Figure: 30.2.2f

Viewpoint 2: Bridleway at Barn Lane



Legend

- North Falls Substation Operational Footprint
- Substation Operational Footprint 1km Interval Buffer
- Theoretical Visibility of Substation Components
- Viewpoint
- 53.5° Field of View
- 90° Field of View

Notes

The ZTV is calculated to a height of 18m (lightning masts) for the substation operational footprint, from a viewing height of 1.5m above ground level.

The digital surface model (DSM) used is LIDAR 1m (2022) data (obtained from DEFRA in December 2023). A DSM includes a surface model of trees, buildings and hedges. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.2 software.

0 1 1 km

Data Source: OS, LUC, RHDHV

Drawing Title

Viewpoint 3 - Norman's Farm

Rev	Date	Remarks	Drwn	Chkd
03	12/12/2022	Third issue	RW	JN
02	14/11/2022	Second Issue	RW	JN
01	28/09/2022	First issue	RW	JN

Drawing Number	Figure Number
PB9244-LUC-ZZ-ON-DR-GS-0047	30.2.3

Scale	Plot Size	Datum	Projection
1:20,000	A3	OSGB36	BNG

LUC

NORTH FALLS
Offshore Wind Farm

File ref: S:\11300\11328 - North Falls Offshore Wind Farm SLVIA\GIS\PRO\Report\11328_SLVIA\11328_SLVIA.aprx

LUC

OS reference:	608405 E 228479 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	330°
Distance to proposed substation :	0.36 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
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:	11/01/2023 10:23

North Falls - Onshore Substation

Figure: 30.2.3a

Viewpoint 3: Norman's Farm

LUC

OS reference:	608405 E 228479 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	330°
Distance to proposed substation :	0.36 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
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:	18/05/2022 10:48

North Falls - Onshore Substation

Figure: 30.2.3b

Viewpoint 3: Norman's Farm