Outer Dowsing Offshore Wind

Onshore Substation Visualisations (Computer Generated Indicative Model)

Date: June 2023

OUTER DOWSING OFFSHORE WIND

Visualisation Methodology

Introduction

The viewpoint assessment is illustrated by a range of visualisations, including photographs and photomontages, which have been produced in accordance with NatureScot Visual Representation of Windfarms Guidance (NatureScot, 2017) and Landscape Institute (2019) Technical Guidance Note (TGN) 06/19 Visual Representation of Development Proposals.

The photographs used to produce the photomontages have been taken using Canon EOS 5D and 6D Digital SLR cameras, with a fixed lens and a full-frame (35 mm negative size) CMOS sensor. The photographs are taken on a tripod with a pano-head at a height of approximately 1.5m above ground. To create the baseline panorama, the frames are individually cylindrically projected and then digitally joined to create a planar projected panorama with a 53.5-degree field of view. Tonal alterations are made using Adobe software to create an even range of tones across the photographs once joined.

A photomontage is a visualisation which superimposes an image of a Project upon a photograph or series of photographs. Photomontage is a widespread and popular visualisation technique, which allows changes in views and visual amenity to be illustrated and assessed, within known views of the 'real' landscape. A 3D block model of the Gas Insulated Switchgear (GIS) Onshore Substation (OnSS) has been included in the viewpoint visualisations. The parameters of the 3D block model and its location on the estimated OnSS platform taken from existing ground levels, are considered to represents the maximum design scenario for PEIR.

Photographs and photomontages have been prepared for all 13 viewpoints and visualisation figures are listed in the table opposite.

The diagram opposite illustrates a computer-generated indicative model based upon the maximum design envelope *(grey dashed line on diagram – shown in dashed white on the visualisations)* for the OnSS, with a 19m maximum height applied to the extents of the main GIS building (shown in green) and 12m maximum height applied to all other infrastructure. The visualisations in this document have superimposed this model onto an indicative location within each of the Project's onshore substation search zones. While the lightning masts extend to a maximum of 30m, their slender design means they are not included in the overall consideration of maximum infrastructure height in the LVIA.

The Maximum design envelope is presented for each viewpoint and is based on the 'Rochdale Envelope' approach, as supported by The Planning Inspectorate Advice Note Nine (The Planning Inspectorate, 2018). The Rochdale Envelope presents the parameters of the project which represent the maximum design scenario (MDS). This ensures the DCO application covers the maximum possible extent of the project.

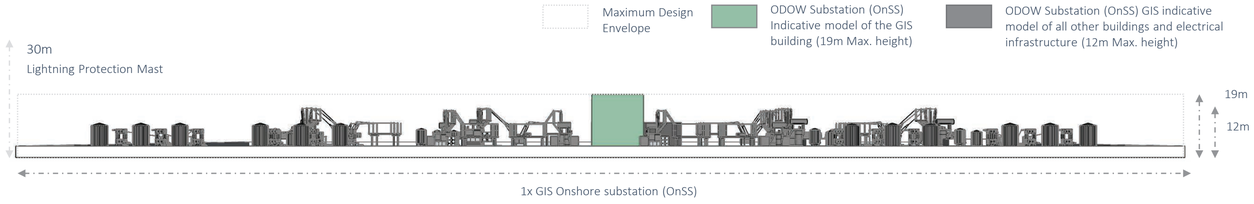
Visualisations presenting the Rochdale Envelope approach have been prepared as part of the Preliminary Environmental Information Report (PEIR) and can be found in PEIR Document 6.2.28.1 (www.outerdowsing.com). This document has been prepared as supplementary consultation material, to help represent what the onshore substation could like by using an indicative model based upon the Maximum Design Scenario.

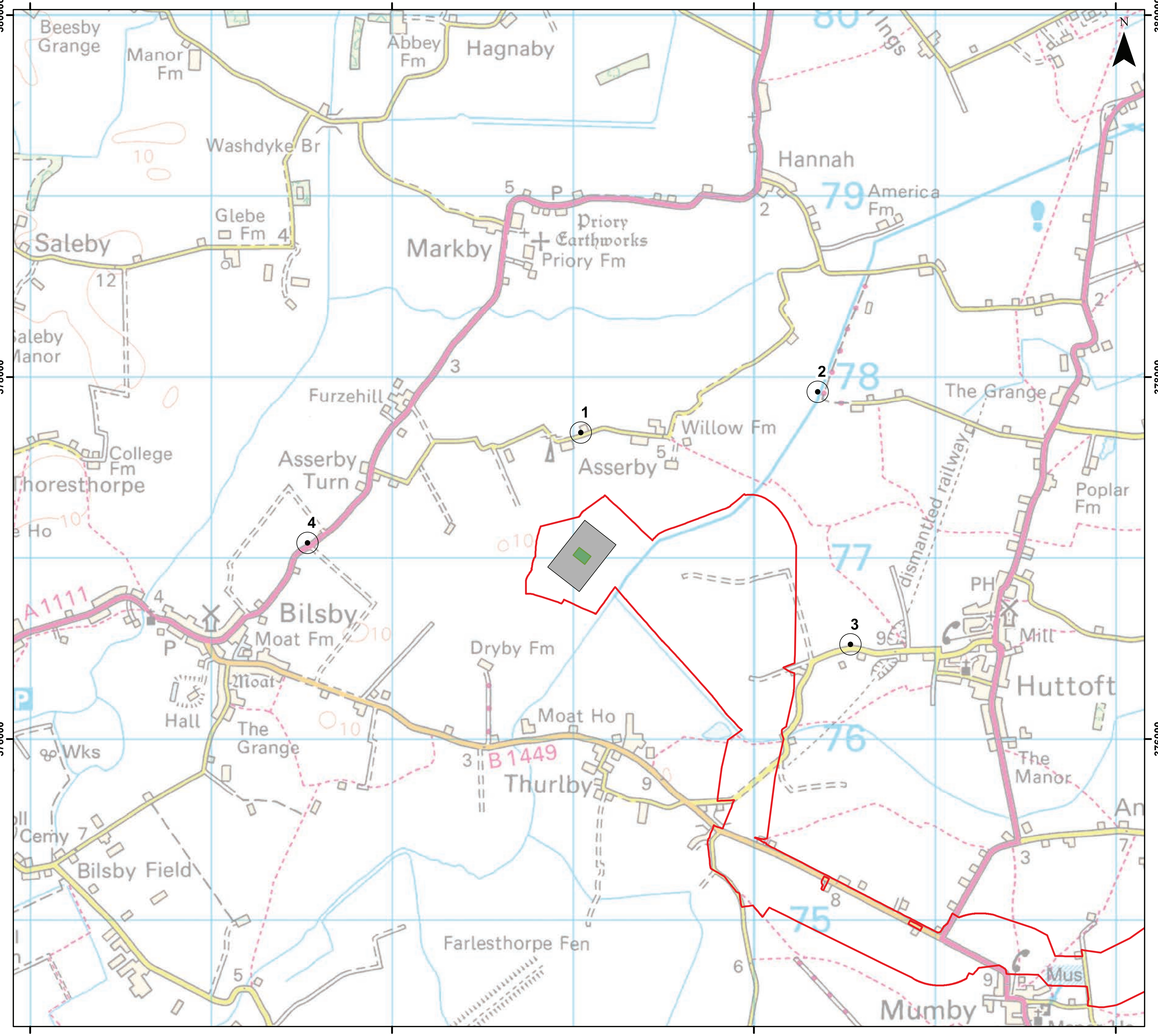
The DCO Application will include a refined computer-generated model included in the visualisations which will be based upon the parameters as defined in the Environmental Statement to provide a more realistic impression of the OnSS, albeit still as an indicative representation of the OnSS within the Rochdale Envelope.

You may notice that on a small number of the visualisations, the mitigation planting shown does not extend the entire stretch of the onshore substation indicative model. This is because only certain planting can be planted over cables and therefore once a grid connection is confirmed, the Project will work with the landscaping team and engineers to site the substation to enable the mitigation planting to be as effective as practicably possible.

Viewpoint Visualisations Figure References

Receptor	Existing	Proposed Substation	Proposed Substation with Mitigation Planting (15 years growth)
Lincolnshire Node OnSS			
LN1 Asserby Road	LN1a	LN1b	LN1c
LN2 Mill Lane	LN2a	LN2b	LN2c
LN3 Alford Road	LN3a	LN3b	LN3c
LN4 Bilsby	LN4a	LN4b	LN4c
Weston Marsh North OnSS			
WMN1 Marsh Lane Manor House	WMN1a	WMN1b	WMN1c
WMN2 A16 near Marsh Lane junction	WMN2a	WMN2b	WMN2c
WMN3 A16 near Gosberton Bank junction	WMN3a	WMN3b	WMN3c
WMN4 Macmillan Way near Ship Inn	WMN4a	WMN4b	WMN4c
WMN5 Macmillan Way near Welland House	WMN5a	WMN5b	WMN5c
Weston Marsh South OnSS			
WMS1 Marsh Road near Crowtree Farm	WMS1a	WMS1b	WMS1c
WMS2 Marsh Road near Kindergarten Nursery	WMS2a	WMS2b	WMS2c
WMS3 B1357 near Loosegate	WMS3a	WMS3b	WMS3c
WMS4 Carrington Road south	WMS4a	WMS4b	WMS4c





Legend

- PEIR Boundary
- ODOW Substation (ONSS) GIS Building
- ODOW Substation (OnSS) GIS Footprint of all other buildings and electrical infrastructure
- Viewpoints
  - 1 - Asserby Road
  - 2 - Mill Lane
  - 3 - Alford Road
  - 4 - Bilsby

Sources:

Coordinate System: British National Grid

0 — 1 km

Scale: 1:20,000

Lincolnshire Node
Viewpoint Location Plan

OUTER DOWSING OFFSHORE WIND

Date: 23/05/2023
Produced By: LA
Revision: 1

open optimised environments

Document Path: P:\2021\211613_OuterDous\GIS\211613_GTR4\PEIR\ONSHORE\VIEWPOINT_PLANS\211613_ODOW_LN_VP_Locs.mxd

OS reference: 549042E 377693N
Eye level: 6.9 m AOD
Direction of view: 179°
Distance to site: 0.5 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: 1.5 m
Date and time: 08/10/2022, 07:09:21

Enlargement Factor: 150% @A1

Figure LN1a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Lincolnshire Node Viewpoint 1: Asserby Road
OUTER DOWSING OFFSHORE WIND

OS reference:	549042E 377693N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 6D	**Enlargement Factor:**	150% @A1
Eye level:	6.9 m AOD	**Principal distance:**	812.5 mm	**Lens:**	Canon EF 50mm f/1.4		
Direction of view:	179°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m		
Distance to site:	0.5 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	08/10/2022, 07:09:21		

Figure LN1b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Lincolnshire Node Viewpoint 1: Asserby Road
OUTER DOWSING OFFSHORE WIND

OS reference: 549042E 377693N
Eye level: 6.9 m AOD
Direction of view: 179°
Distance to site: 0.5 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: 1.5 m
Date and time: 08/10/2022, 07:09:21

Enlargement Factor: 150% @A1

Figure LN1c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Lincolnshire Node Viewpoint 1: Asserby Road
OUTER DOWSING OFFSHORE WIND

OS reference: 550351E 377919N
Eye level: 3.5 m AOD
Direction of view: 235°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 07:41:56

Enlargement Factor: 150% @A1

Figure LN2a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Lincolnshire Node Viewpoint 2: Mill Lane
OUTER DOWSING OFFSHORE WIND

OS reference: 550351E 377919N
Eye level: 3.5 m AOD
Direction of view: 235°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 07:41:56

Enlargement Factor: 150% @A1

Figure LN2b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Lincolnshire Node Viewpoint 2: Mill Lane
OUTER DOWSING OFFSHORE WIND

OS reference: 550351E 377919N
Eye level: 3.5 m AOD
Direction of view: 235°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 07:41:56

Enlargement Factor: 150% @A1

Figure LN2c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Lincolnshire Node Viewpoint 2: Mill Lane
OUTER DOWSING OFFSHORE WIND

OS reference: 550532E 376522N
Eye level: 4.7 m AOD
Direction of view: 288°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 08:08:29

Enlargement Factor: 150% @A1

Figure LN3a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Lincolnshire Node Viewpoint 3: Alford Road
OUTER DOWSING OFFSHORE WIND

OS reference: 550532E 376522N
Eye level: 4.7 m AOD
Direction of view: 288°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 08:08:29

Enlargement Factor: 150% @A1

Figure LN3b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Lincolnshire Node Viewpoint 3: Alford Road
OUTER DOWSING OFFSHORE WIND

OS reference: 550532E 376522N
Eye level: 4.7 m AOD
Direction of view: 288°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 08:08:29

Enlargement Factor: 150% @A1

Figure LN3c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Lincolnshire Node Viewpoint 3: Alford Road
OUTER DOWSING OFFSHORE WIND

OS reference: 547532E 377083N
Eye level: 10 m AOD
Direction of view: 93°
Distance to site: 1.3 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: 1.5 m
Date and time: 04/11/2022, 12:05:41

Enlargement Factor: 150% @A1

Figure LN4a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Lincolnshire Node Viewpoint 4: Bilsby
OUTER DOWSING OFFSHORE WIND

OS reference: 547532E 377083N
Eye level: 10 m AOD
Direction of view: 93°
Distance to site: 1.3 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: 1.5 m
Date and time: 04/11/2022, 12:05:41

Enlargement Factor: 150% @A1

Figure LN4b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Lincolnshire Node Viewpoint 4: Bilsby
OUTER DOWSING OFFSHORE WIND

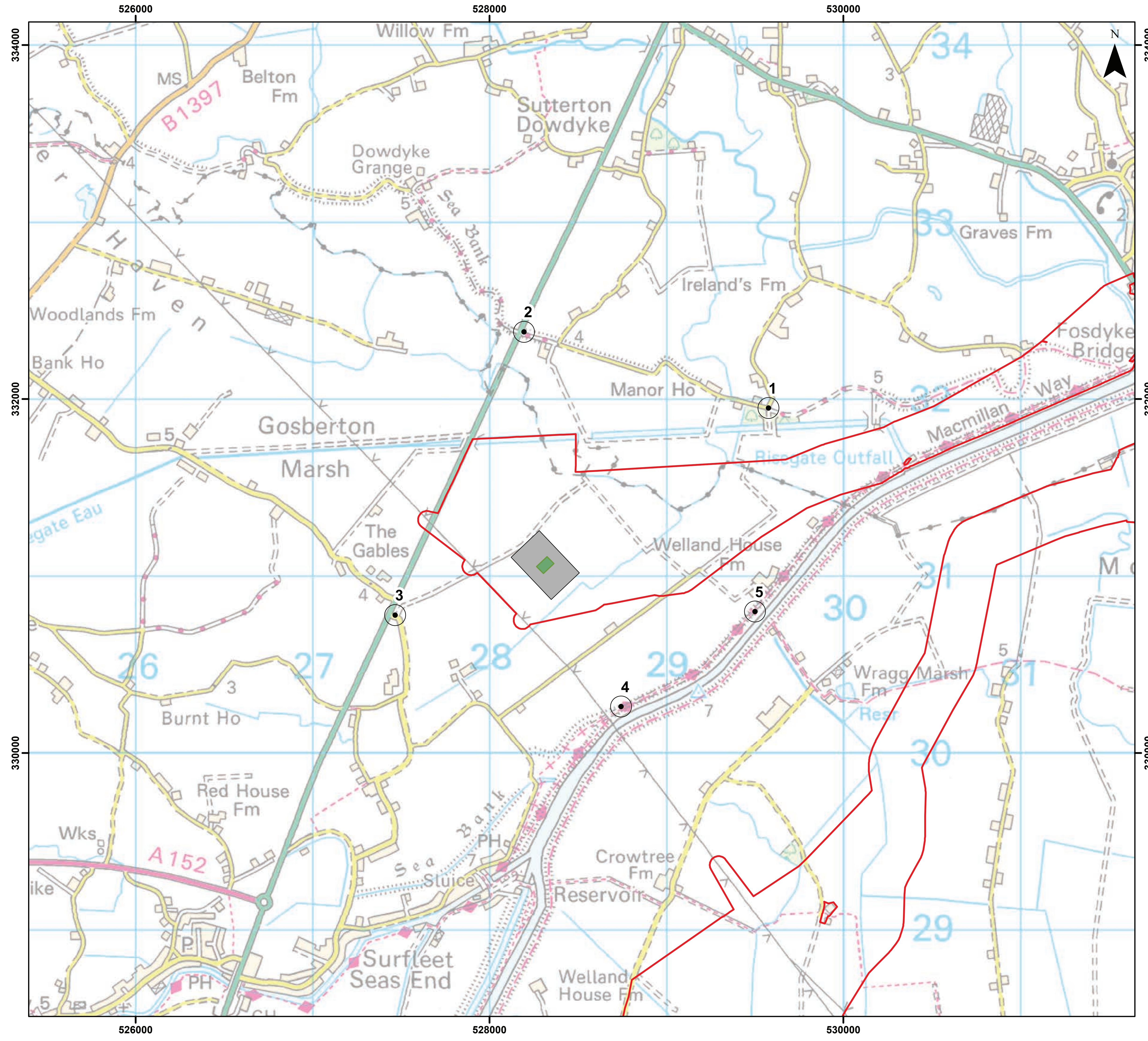
OS reference: 547532E 377083N
Eye level: 10 m AOD
Direction of view: 93°
Distance to site: 1.3 km

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: 1.5 m
Date and time: 04/11/2022, 12:05:41

Enlargement Factor: 150% @A1

Figure LN4c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Lincolnshire Node Viewpoint 4: Bilsby
OUTER DOWSING OFFSHORE WIND



Legend

- PEIR Boundary
- ODOW Substation (ONSS) GIS Building
- ODOW Substation (OnSS) GIS Footprint of all other buildings and electrical infrastructure
- Viewpoints

1 - Marsh Lane Manor House
2 - A16 near Marsh Lane junction
3 - A16 near Gosberton Bank junction
4 - Macmillan Way near Ship Inn
5 - Macmillan Way near Welland House

Coordinate System: British National Grid

0 1 km

Scale: 1:20,000

Weston Marsh North
Viewpoint Location Plan

OUTER DOWSING OFFSHORE WIND

Date: 23/05/2023
Produced By: LA
Revision: 1

open optimised environments

Document Path: P:\2021\211613_OuterDous\GIS\211613_GTR4\PEIR\ONSHORE\VIEWPOINT_PLANS\211613_ODOW_WMN_VP_Locs.mxd

OS reference: 529577E 331949N
Eye level: 6 m AOD
Direction of view: 235°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 09:38:28

Enlargement Factor: 150% @A1

Figure WMN1a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh North Viewpoint 1: Marsh Lane near Manor House
OUTER DOWSING OFFSHORE WIND

OS reference: 529577E 331949N
Eye level: 6 m AOD
Direction of view: 235°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 09:38:28

Enlargement Factor: 150% @A1

Figure WMN1b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh North Viewpoint 1: Marsh Lane near Manor House
OUTER DOWSING OFFSHORE WIND

OS reference: 529577E 331949N
Eye level: 6 m AOD
Direction of view: 235°
Distance to site: 1.4 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: 1.5 m
Date and time: 08/10/2022, 09:38:28

Enlargement Factor: 150% @A1

Figure WMN1c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh North Viewpoint 1: Marsh Lane near Manor House
OUTER DOWSING OFFSHORE WIND

OS reference: 528195E 332380N
Eye level: 6.1m AOD
Direction of view: 175°
Distance to site: 1.1 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: 1.5 m
Date and time: 08/10/2022, 13:43:09

Enlargement Factor: 150% @A1

Figure WMN2a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh North Viewpoint 2: A16 near Marsh Lane junction
OUTER DOWSING OFFSHORE WIND

OS reference:	528195E 332380N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 6D	**Enlargement Factor:**	150% @A1
Eye level:	6.1m AOD	**Principal distance:**	812.5 mm	**Lens:**	Canon EF 50mm f/1.4		
Direction of view:	175°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m		
Distance to site:	1.1 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	08/10/2022, 13:43:09		

Figure WMN2b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh North Viewpoint 2: A16 near Marsh Lane junction
OUTER DOWSING OFFSHORE WIND

OS reference:	528195E 332380N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 6D	**Enlargement Factor:**	150% @A1
Eye level:	6.1m AOD	**Principal distance:**	812.5 mm	**Lens:**	Canon EF 50mm f/1.4		
Direction of view:	175°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m		
Distance to site:	1.1 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	08/10/2022, 13:43:09		

FigureWMN2c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh North Viewpoint 2: A16 near Marsh Lane junction
OUTER DOWSING OFFSHORE WIND

OS reference: 527466E 330780N
Eye level: 6m AOD
Direction of view: 72°
Distance to site: 0.7 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: 1.5 m
Date and time: 08/10/2022, 13:27:23

Enlargement Factor: 150% @A1

Figure WMN3a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh North Viewpoint 3: A16 at Surfleet Bank junction
OUTER DOWSING OFFSHORE WIND

OS reference: 527466E 330780N
Eye level: 6m AOD
Direction of view: 72°
Distance to site: 0.7 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: 1.5 m
Date and time: 08/10/2022, 13:27:23

Enlargement Factor: 150% @A1

Figure WMN3b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh North Viewpoint 3: A16 at Surfleet Bank junction
OUTER DOWSING OFFSHORE WIND

OS reference:	527466E 330780N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 6D	**Enlargement Factor:**	150% @A1
Eye level:	6m AOD	**Principal distance:**	812.5 mm	**Lens:**	Canon EF 50mm f/1.4		
Direction of view:	72°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m		
Distance to site:	0.7 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	08/10/2022, 13:27:23		

Figure WMN3c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh North Viewpoint 3: A16 at Surfleet Bank junction
OUTER DOWSING OFFSHORE WIND

OS reference: 528743E 330263N
Eye level: 9 m AOD
Direction of view: 332°
Distance to site: 0.7 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: 1.5 m
Date and time: 08/10/2022, 12:42:24

Enlargement Factor: 150% @A1

Figure WMN4a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh North Viewpoint 4: Macmillan Way at Surfleet Bank
OUTER DOWSING OFFSHORE WIND

OS reference: 528743E 330263N
Eye level: 9 m AOD
Direction of view: 332°
Distance to site: 0.7 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: 1.5 m
Date and time: 08/10/2022, 12:42:24

Enlargement Factor: 150% @A1

Figure WMN4b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh North Viewpoint 4: Macmillan Way at Surfleet Bank
OUTER DOWSING OFFSHORE WIND

OS reference: 528743E 330263N
Eye level: 9 m AOD
Direction of view: 332°
Distance to site: 0.7 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: 1.5 m
Date and time: 08/10/2022, 12:42:24

Enlargement Factor: 150% @A1

Figure WMN4c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh North Viewpoint 4: Macmillan Way at Surfleet Bank
OUTER DOWSING OFFSHORE WIND

OS reference: 529500E 330799N
Eye level: 9.1m AOD
Direction of view: 282°
Distance to site: 1 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: 1.5 m
Date and time: 08/10/2022, 12:58:41

Enlargement Factor: 150% @A1

Figure WMN5a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh North Viewpoint 5: Macmillan Way near Welland House Farm
OUTER DOWSING OFFSHORE WIND

OS reference: 529500E 330799N
Eye level: 9.1m AOD
Direction of view: 282°
Distance to site: 1 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: 1.5 m
Date and time: 08/10/2022, 12:58:41

Enlargement Factor: 150% @A1

Figure WMN5b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh North Viewpoint 5: Macmillan Way near Welland House Farm
OUTER DOWSING OFFSHORE WIND

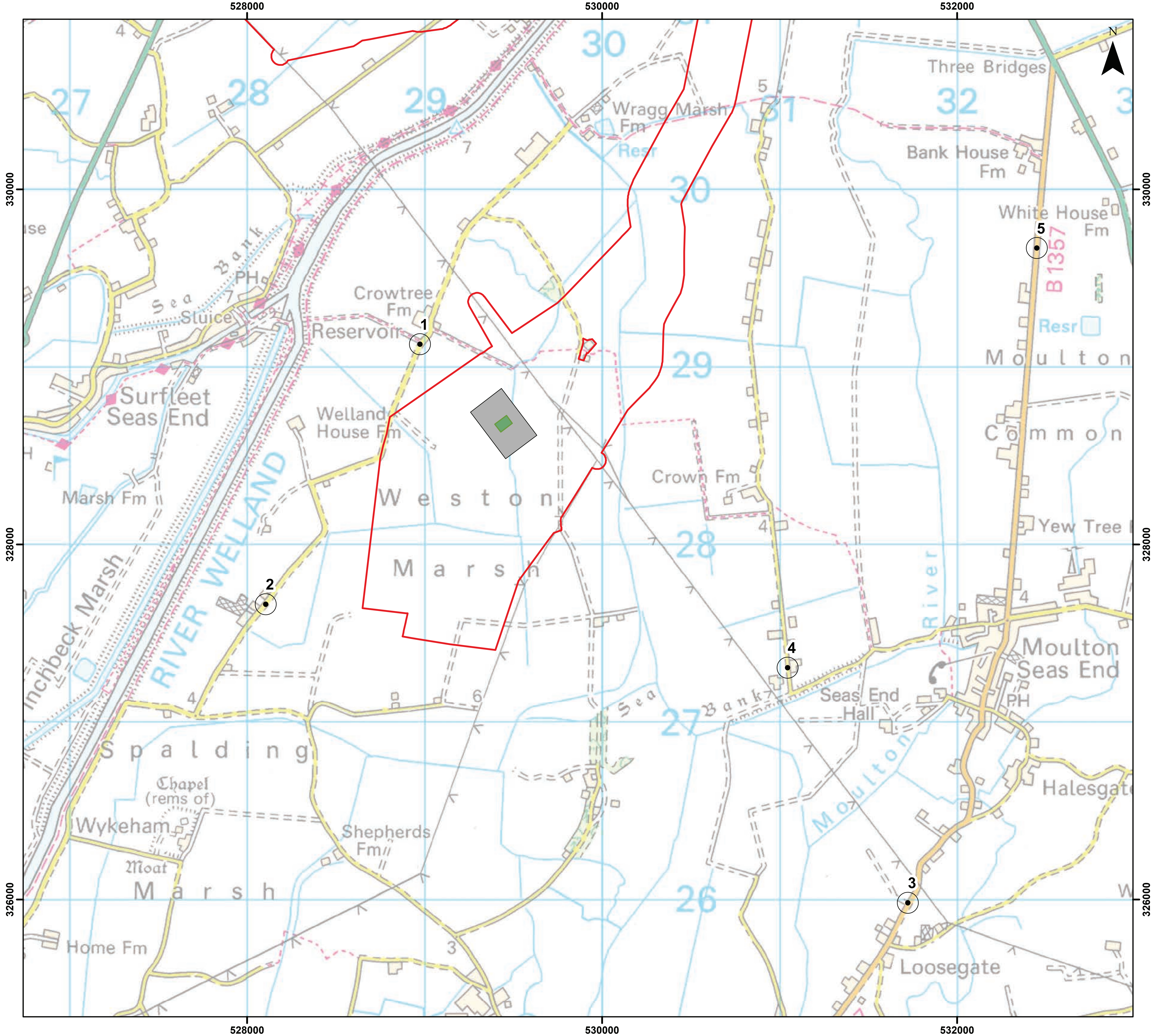
OS reference: 529500E 330799N
Eye level: 9.1m AOD
Direction of view: 282°
Distance to site: 1 km

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: 1.5 m
Date and time: 08/10/2022, 12:58:41

Enlargement Factor: 150% @A1

Figure WMN5c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh North Viewpoint 5: Macmillan Way near Welland House Farm
OUTER DOWSING OFFSHORE WIND



Legend

- PEIR Boundary
- ODOW Substation (ONSS) GIS Building
- ODOW Substation (OnSS) GIS Footprint of all other buildings and electrical infrastructure
- Viewpoints

1 - Marsh Road near Crowtree Farm
2 - Marsh Road near Kindergarten Nursery
3 - B1357 near Loosegate
4 - Carrington Road south
5 - Common Road north

Sources:

Coordinate System: British National Grid

0 1 km

Scale: 1:20,000

Weston Marsh South
Viewpoint Location Plan

OUTER DOWSING OFFSHORE WIND

Date: 23/05/2023
Produced By: LA
Revision: 1

open optimised environments

Document Path: P:\2021\211613_OuterDous\GIS\211613_GTR4\PEIR\ONSHORE\VIEWPOINT_PLANS\211613_ODOW_WMS_VP_Locs.mxd

OS reference: 528973E 329127N
Eye level: 5.3m AOD
Direction of view: 133°
Distance to site: 0.5 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: 1.5 m
Date and time: 08/10/2022, 11:33:41

Enlargement Factor: 150% @A1

Figure WMS1a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh South Viewpoint 1: Marsh Road near Crowtree Farm
OUTER DOWSING OFFSHORE WIND

OS reference: 528973E 329127N
Eye level: 5.3m AOD
Direction of view: 133°
Distance to site: 0.5 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: 1.5 m
Date and time: 08/10/2022, 11:33:41

Enlargement Factor: 150% @A1

Figure WMS1b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh South Viewpoint 1: Marsh Road near Crowtree Farm
OUTER DOWSING OFFSHORE WIND

OS reference: 528973E 329127N
Eye level: 5.3m AOD
Direction of view: 133°
Distance to site: 0.5 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: 1.5 m
Date and time: 08/10/2022, 11:33:41

Enlargement Factor: 150% @A1

Figure WMS1c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh South Viewpoint 1: Marsh Road near Crowtree Farm
OUTER DOWSING OFFSHORE WIND

OS reference: 528104E 327664N
Eye level: 5.6m AOD
Direction of view: 53°
Distance to site: 1.6 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: 1.5 m
Date and time: 08/10/2022, 11:41:29

Enlargement Factor: 150% @A1

Figure WMS2a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh South Viewpoint 2: Marsh Road near Kindergarten Nursery
OUTER DOWSING OFFSHORE WIND

OS reference: 528104E 327664N
Eye level: 5.6m AOD
Direction of view: 53°
Distance to site: 1.6 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: 1.5 m
Date and time: 08/10/2022, 11:41:29

Enlargement Factor: 150% @A1

Figure WMS2b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh South Viewpoint 2: Marsh Road near Kindergarten Nursery
OUTER DOWSING OFFSHORE WIND

OS reference: 528104E 327664N
Eye level: 5.6m AOD
Direction of view: 53°
Distance to site: 1.6 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: 1.5 m
Date and time: 08/10/2022, 11:41:29

Enlargement Factor: 150% @A1

Figure WMS2c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh South Viewpoint 2: Marsh Road near Kindergarten Nursery
OUTER DOWSING OFFSHORE WIND

OS reference: 531721E 325982N
Eye level: 4.7m AOD
Direction of view: 320°
Distance to site: 3.4 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: 1.5 m
Date and time: 08/10/2022, 11:14:23

Enlargement Factor: 150% @A1

Figure WMS3a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh South Viewpoint 3: B1357 near Loosegate
OUTER DOWSING OFFSHORE WIND

OS reference: 531721E 325982N
Eye level: 4.7m AOD
Direction of view: 320°
Distance to site: 3.4 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: 1.5 m
Date and time: 08/10/2022, 11:14:23

Enlargement Factor: 150% @A1

Figure WMS3b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh South Viewpoint 3: B1357 near Loosegate
OUTER DOWSING OFFSHORE WIND

OS reference: 531721E 325982N
Eye level: 4.7m AOD
Direction of view: 320°
Distance to site: 3.4 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: 1.5 m
Date and time: 08/10/2022, 11:14:23

Enlargement Factor: 150% @A1

Figure WMS3c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh South Viewpoint 3: B1357 near Loosegate
OUTER DOWSING OFFSHORE WIND

OS reference: 531045E 327306N
Eye level: 5.6m AOD
Direction of view: 311°
Distance to site: 1.9 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: 1.5 m
Date and time: 08/10/2022, 10:40:03

Enlargement Factor: 150% @A1

Figure WMS4a - Proposed Onshore Substation (OnSS) Maximum Design Scenario
Weston Marsh South Viewpoint 4: Carrington Road south
OUTER DOWSING OFFSHORE WIND

OS reference: 531045E 327306N
Eye level: 5.6m AOD
Direction of view: 311°
Distance to site: 1.9 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: 1.5 m
Date and time: 08/10/2022, 10:40:03

Enlargement Factor: 150% @A1

Figure WMS4b - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (0 Years Growth)
Weston Marsh South Viewpoint 4: Carrington Road south
OUTER DOWSING OFFSHORE WIND

OS reference: 531045E 327306N
Eye level: 5.6m AOD
Direction of view: 311°
Distance to site: 1.9 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: 1.5 m
Date and time: 08/10/2022, 10:40:03

Enlargement Factor: 150% @A1

Figure WMS4c - Proposed Onshore Substation (OnSS) Indicative Model with Mitigation Planting (15 Years Growth)
Weston Marsh South Viewpoint 4: Carrington Road south
OUTER DOWSING OFFSHORE WIND