



MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Environmental Statement

Volume 3, Figures - Part 6 of 7



Deadline 3: 7 July 2025

MOR001-FLO-CON-ENV-FIG-0007

MRCNS-J3303-RPS-10162

PINS Reference: EN020028

APFP Regulations: 5(2)(a)

Document reference:

F3.12/F02

Document status					
Version	Purpose of document	Approved by	Date	Approved by	Date
F01	For issue: Application	AS	September 2024	IM	September 2024
F02	Deadline 3	HK	July 2025	IM	July 2025

Prepared by:

RPS and LDA Design

Prepared for:

**Morgan Offshore Wind Limited,
Morecambe Offshore Windfarm Ltd**

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Glossary

Term	Meaning
Applicants	Morgan Offshore Wind Limited (Morgan OWL) and Morecambe Offshore Windfarm Ltd (Morecambe OWL).
Environmental Statement	The document presenting the results of the Environmental Impact Assessment process.
Morgan and Morecambe Offshore Wind Farms: Transmission Assets	<p>The offshore export cables, landfall, and onshore infrastructure for the Morgan Offshore Wind Project and the Morecambe Offshore Windfarm. This includes the offshore export cables, landfall site, onshore export cables, onshore substations, 400 kV grid connection cables and associated grid connection infrastructure such as circuit breaker compounds.</p> <p>Also referred to in this report as the Transmission Assets, for ease of reading.</p>

Acronyms

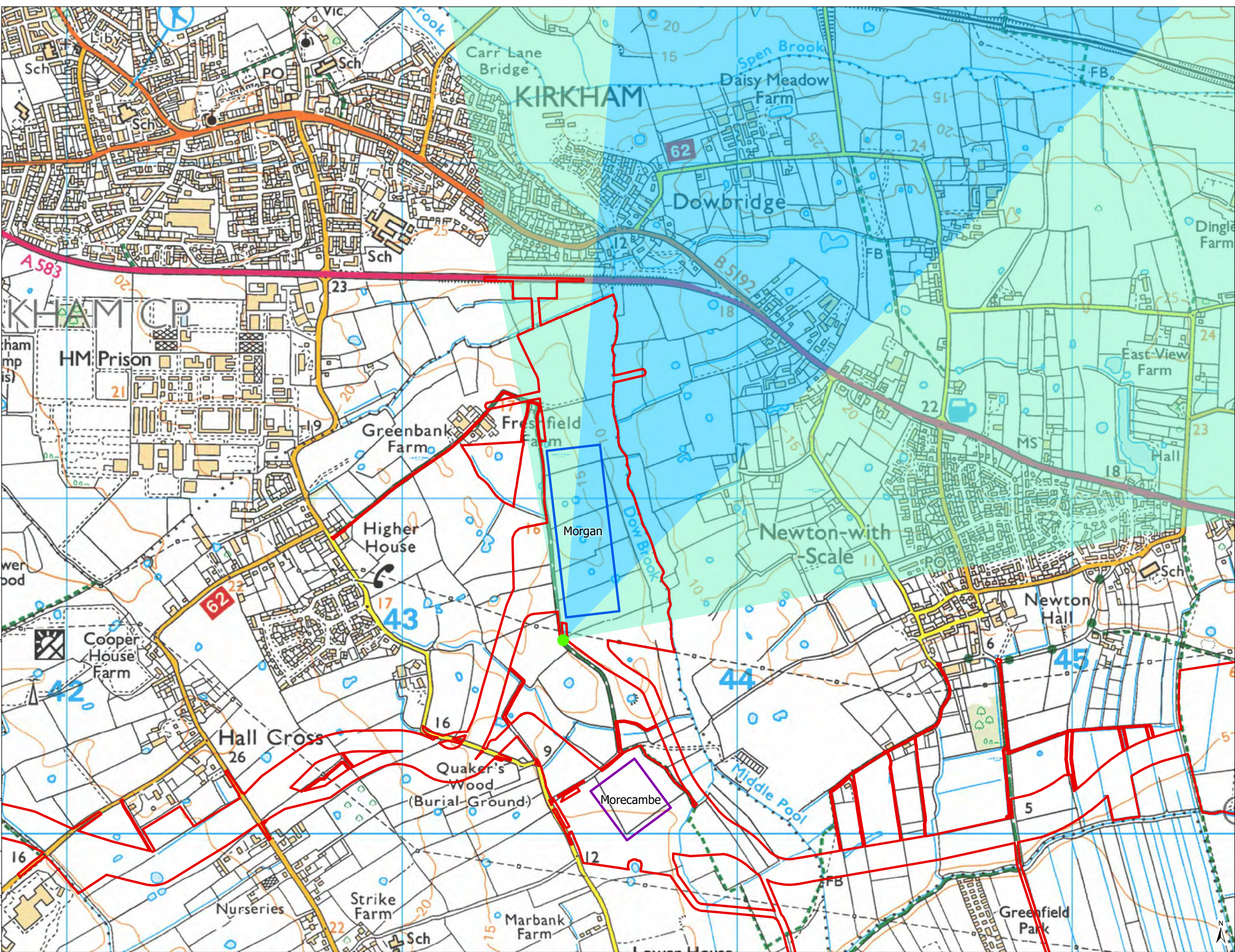
Acronym	Meaning
ES	Environmental Statement
LCC	Lancashire County Council

1 Environmental Statement Volume 3, Figures (Part 6 of 7): Visualisations

1.1 Introduction

- 1.1.1.1 This document provides supplementary information in response to comments raised by Lancashire County Council (LCC) in REP1-085, specifically in relation to comments made at 7.127 and 7.81.
- 1.1.1.2 The purpose of this submission is to provide additional detail to support a more comprehensive understanding of the visual assessment material presented as part of the Environmental Statement (ES).
- 1.1.1.3 This submission provides the following:
- In relation to the clarity of the representative viewpoints, the Applicants directed LCC to the inset maps included in the 'existing context view' for each viewpoint (Volume 3, Figures – Part 6 of 7, APP-136) as part of the original submission, which indicate the direction of view toward the onshore substation sites (**Appendix A**).
 - However, in recognition that these inset maps are relatively small, the Applicants provide enlarged versions with more information on the angle of the view to enhance clarity and usability, a requested (**Appendix A**).
 - In response to concerns regarding the labelling and presentation of photomontages, the Applicants have clarified that all visualisations should be appropriately marked as “Winter Year 1” and “Summer Year 15,” in line with standard practice and as set out in Volume 3, Chapter 10: Landscape and Visual Resources (APP-123). This has been rectified on the supporting figures to the LVIA, which are appended to this document (**Appendix B**).
- 1.1.1.4 The Applicants highlight that this submission supplements and builds upon the previously submitted material, ensuring that the visual assessment is presented with greater clarity and usability. This submission therefore does not affect the visual assessment or its conclusions, or affect the robustness of the visual assessment undertaken for the application of the Transmission Assets.
- 1.1.1.5 The Applicants reaffirm that the original photomontages and wirelines have been prepared in accordance with best practices, as set out in the *Landscape Institute’s Technical Guidance Note 06/19* (2019).

Appendix A Viewpoints



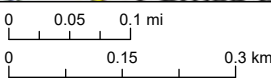
- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation



Drawing Number: 12693-0570-01

Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
REPRESENTATIVE VIEWPOINT 1: BRIDLEWAY SOUTH OF MORGAN SUBSTATION SITE - HORIZONTAL FIELDS OF VIEW



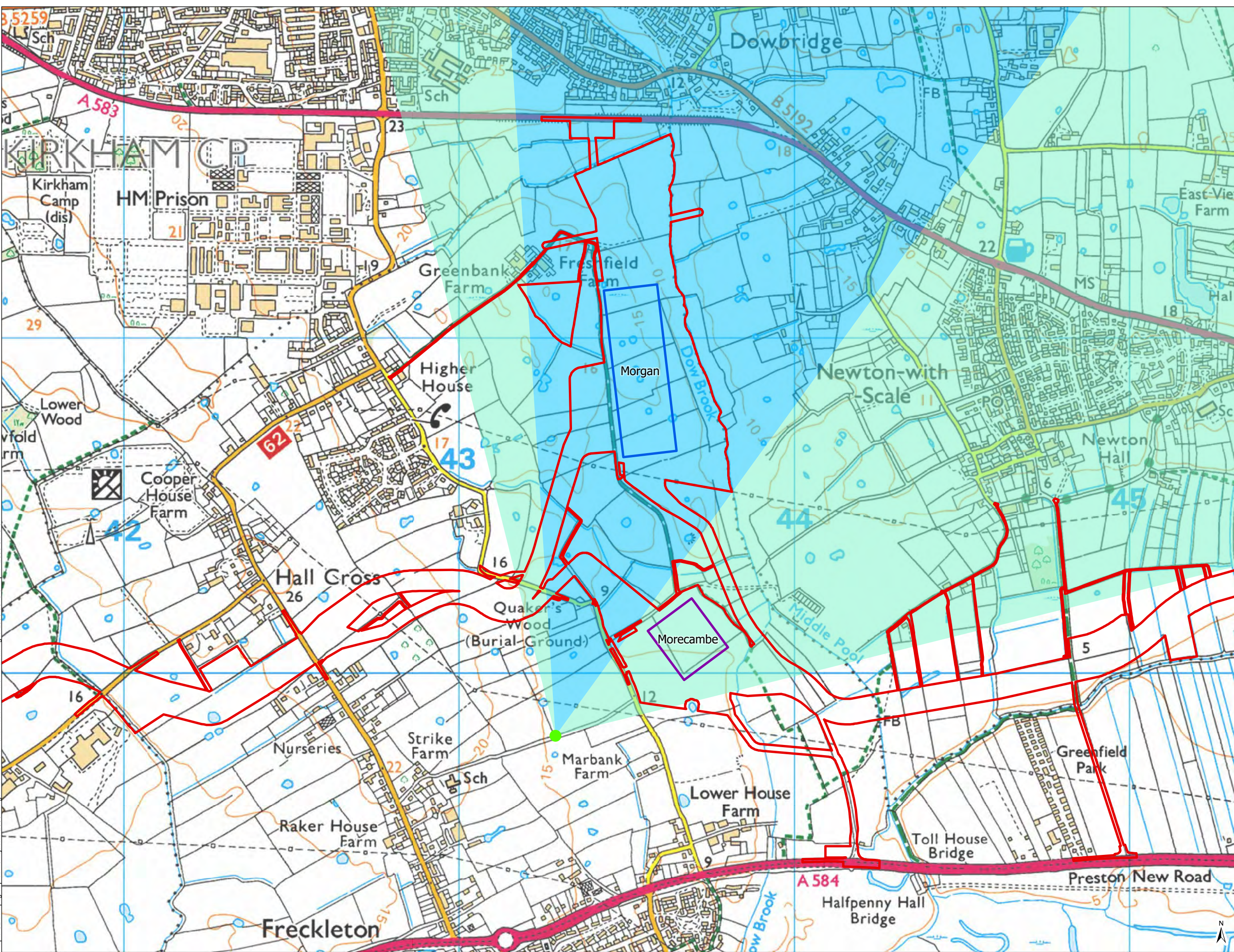
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Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:10,000

Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

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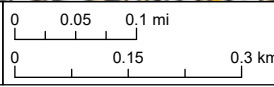
- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation



Drawing Number: 12693-0570-01

Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
REPRESENTATIVE VIEWPOINT 2: STRIKE LANE - HORIZONTAL FIELDS OF VIEW

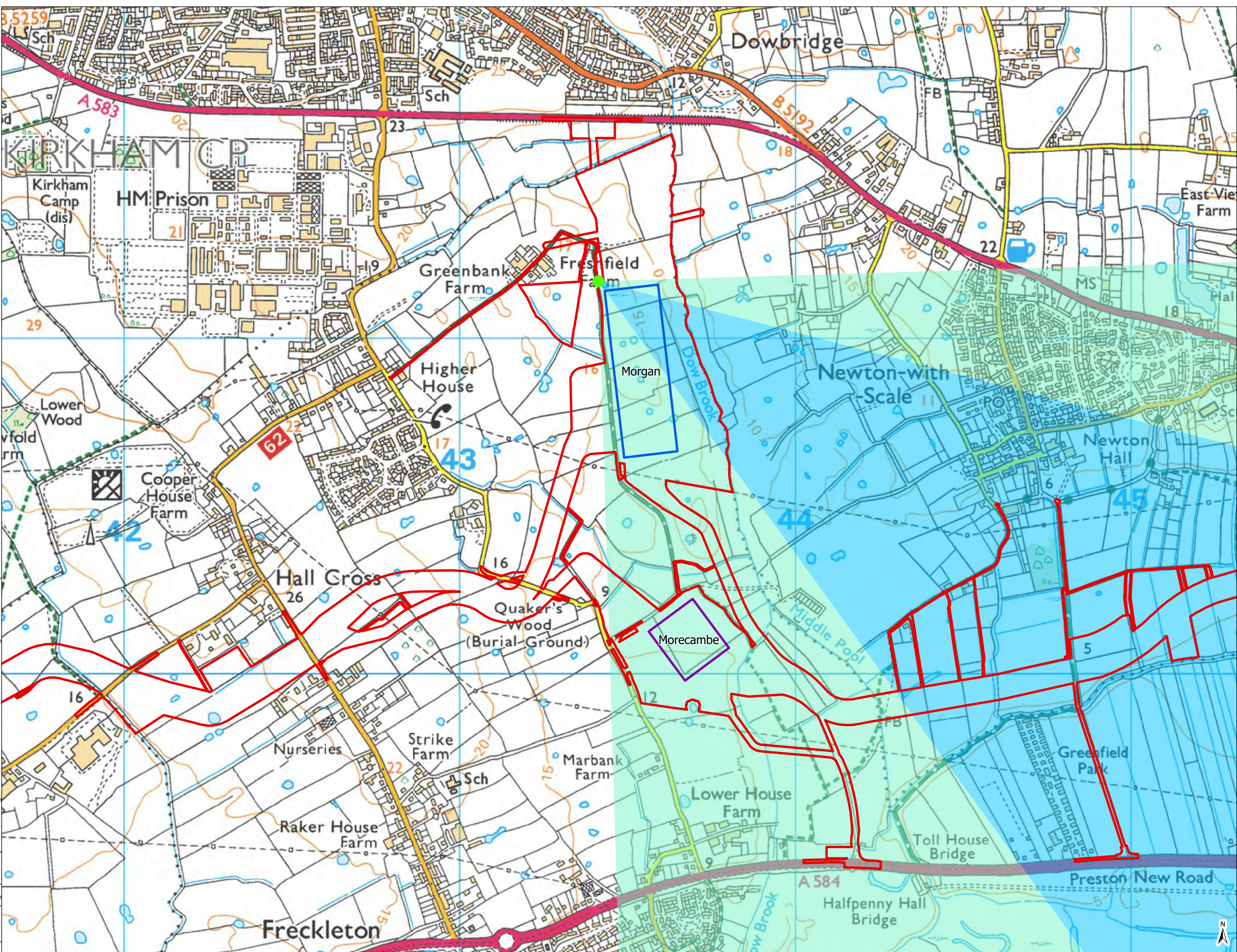


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Projection: British National Grid
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Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

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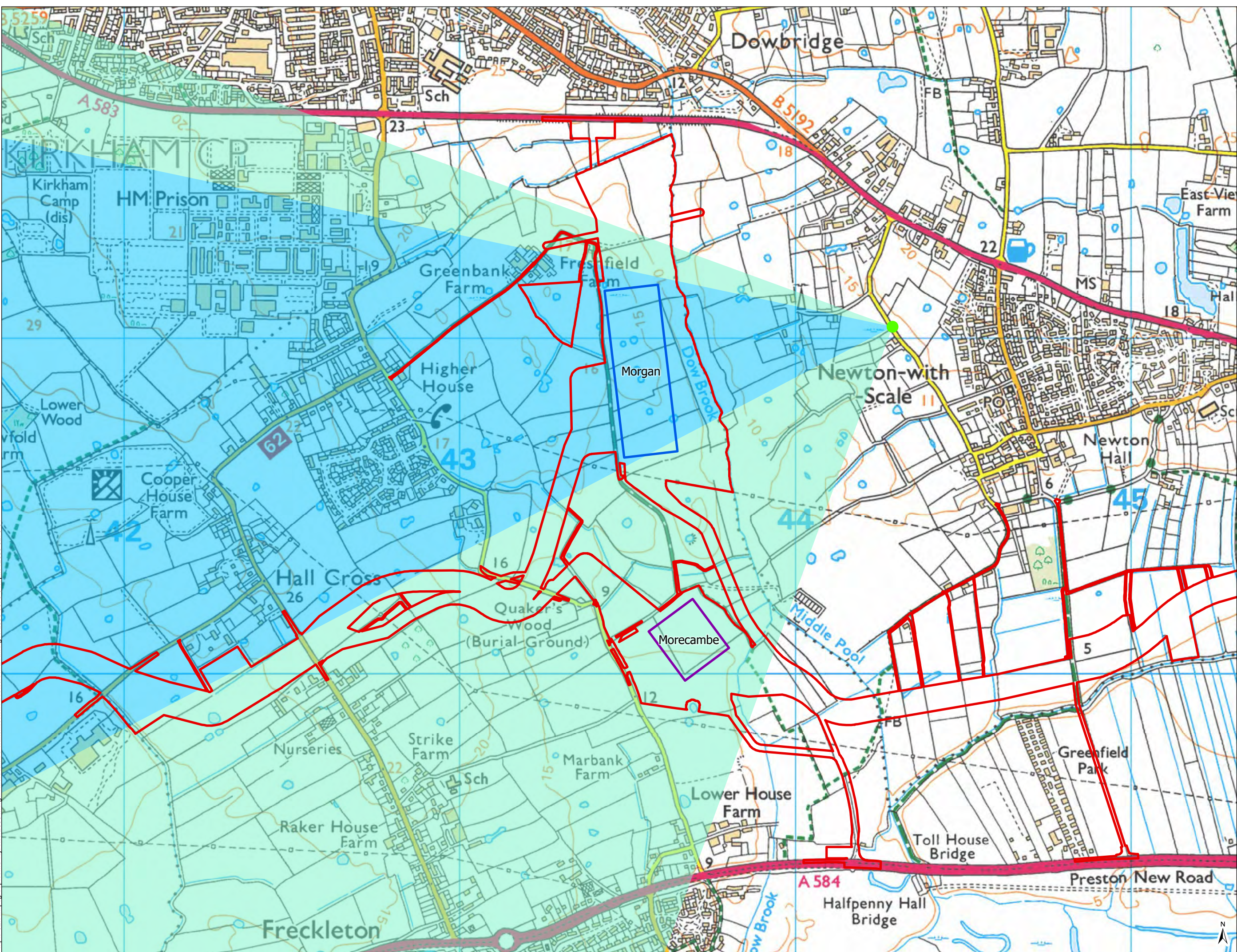
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- LEGEND**
- Transmission Assets Order Limits
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 - 39.6° HoFV of Single Frame Visualisation



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- LEGEND**
- Transmission Assets Order Limits
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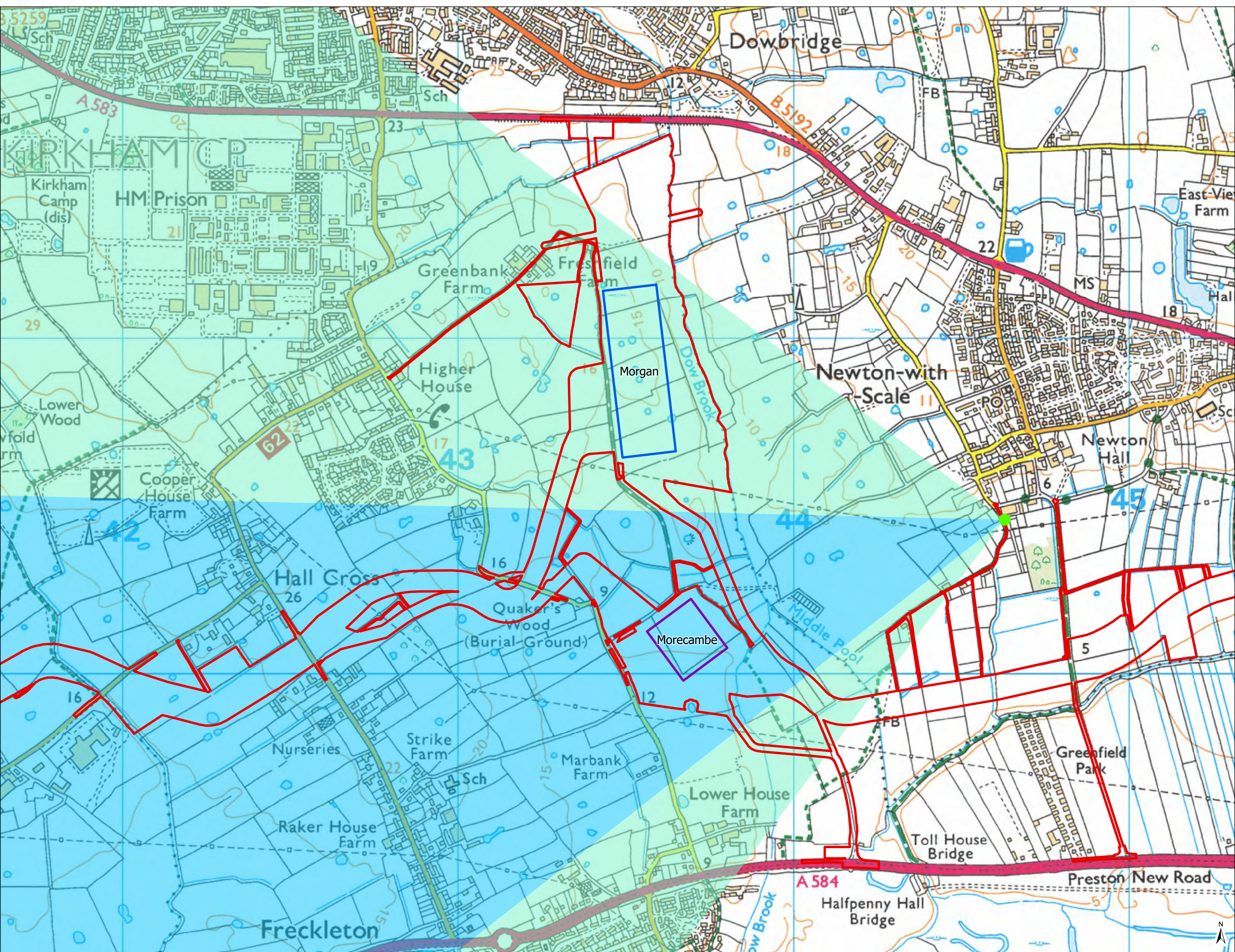
MORECAMBE
cobra | FLOTATION ENERGY

EnBW | **rps**
Partners in UK offshore wind | A TETRA TECH COMPANY

4

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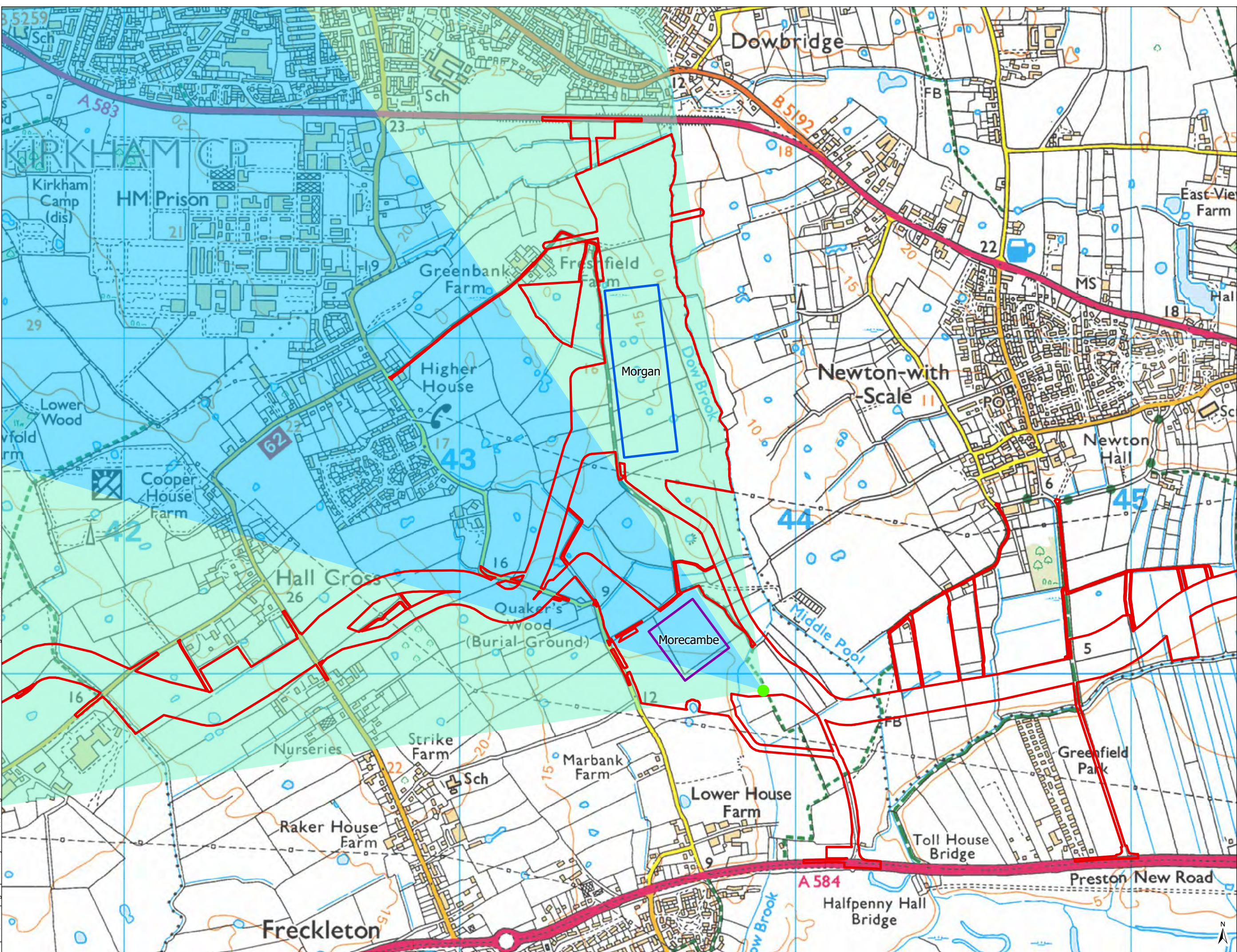
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- Transmission Assets Order Limits
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MORECAMBE
cobra | FLOTATION ENERGY

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5

Drawing Number:
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- LEGEND**
- Transmission Assets Order Limits
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 - Representative Viewpoint Location
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MORECAMBE

EnBW

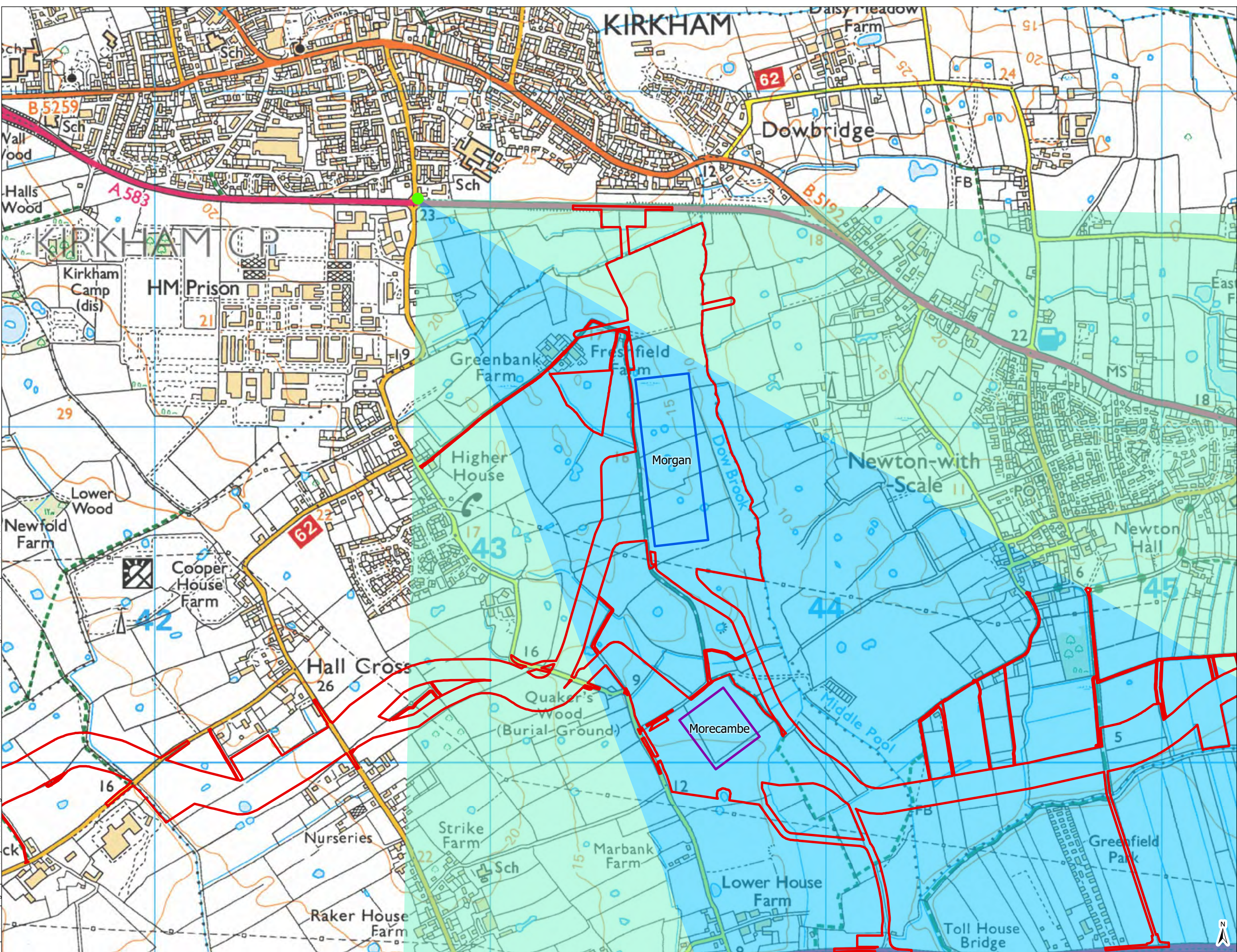
RPS

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- LEGEND**
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 - Morecambe onshore substation
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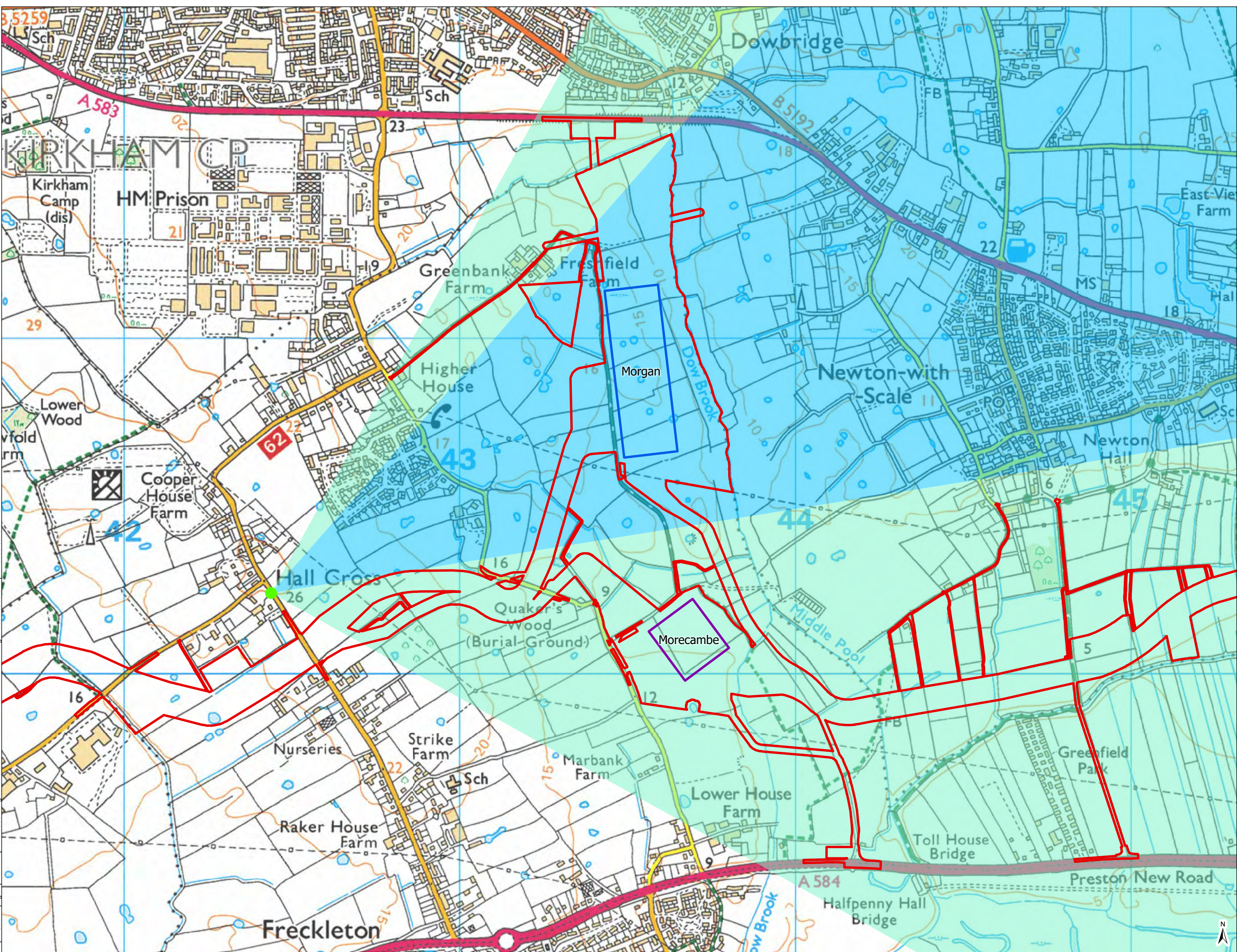
MORECAMBE
cobria | FLOTATION ENERGY

EnBW | **rps**
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7

Drawing Number: 12693-0570-01

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- LEGEND**
- Transmission Assets Order Limits
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 - Morecambe onshore substation
 - Representative Viewpoint Location
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- 90° HoFV of Cylindrical Panorama
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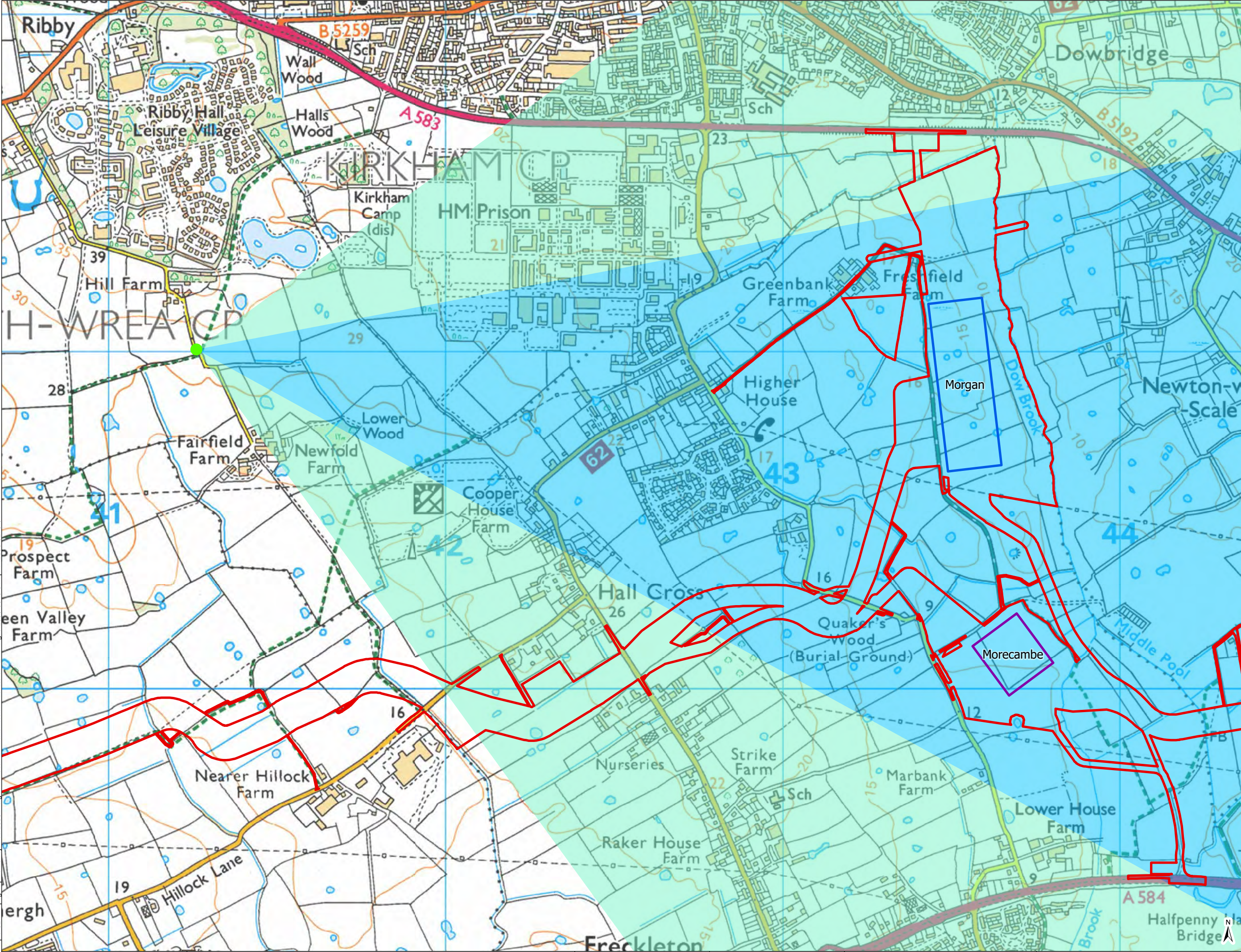
MORECAMBE
cobria | FLOTATION ENERGY

EnBW | **rps**
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8

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- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation



Drawing Number: 12693-0570-01

Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
REPRESENTATIVE VIEWPOINT 9: BROWN'S LANE PUBLIC FOOTPATH - HORIZONTAL FIELDS OF VIEW

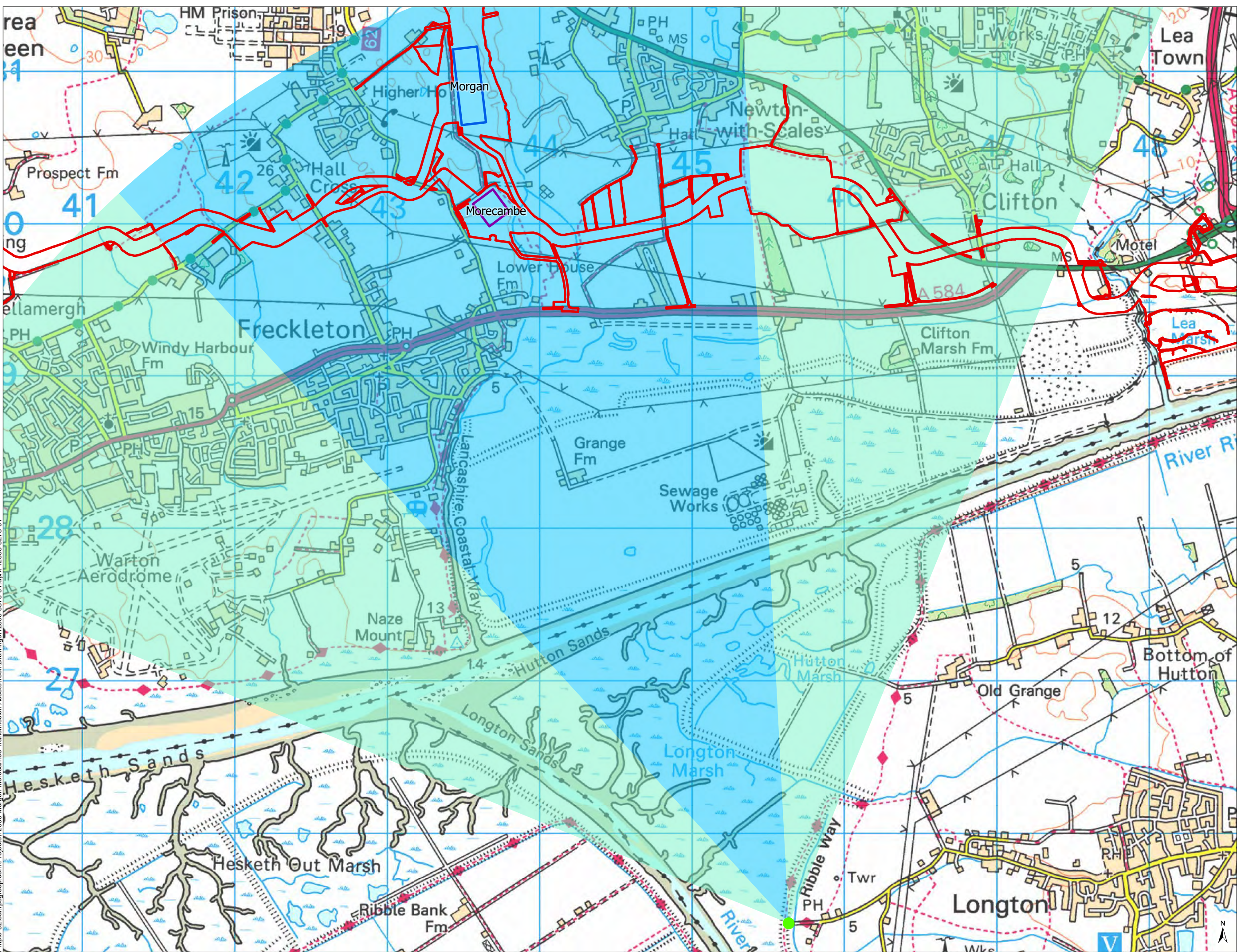
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Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

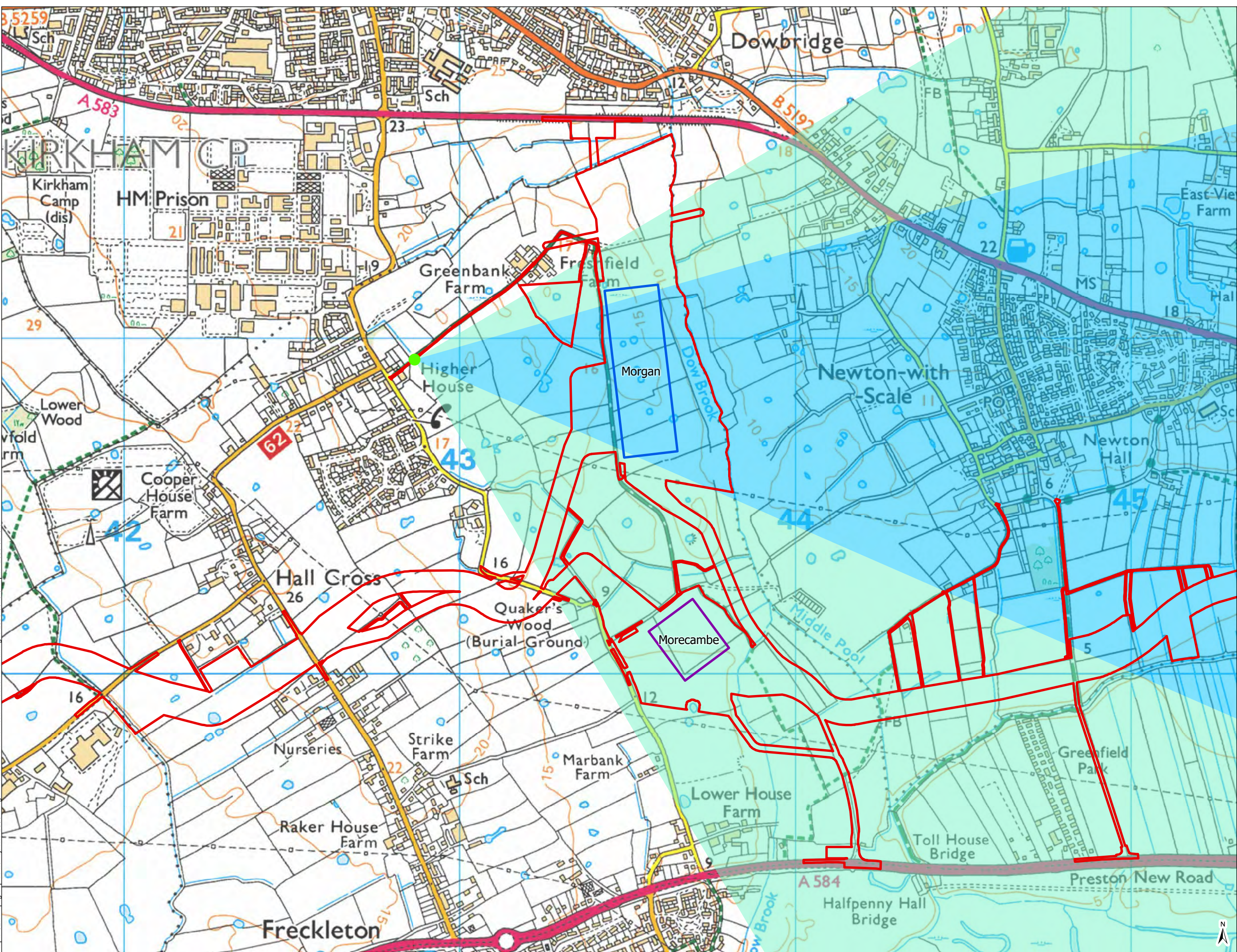
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- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation

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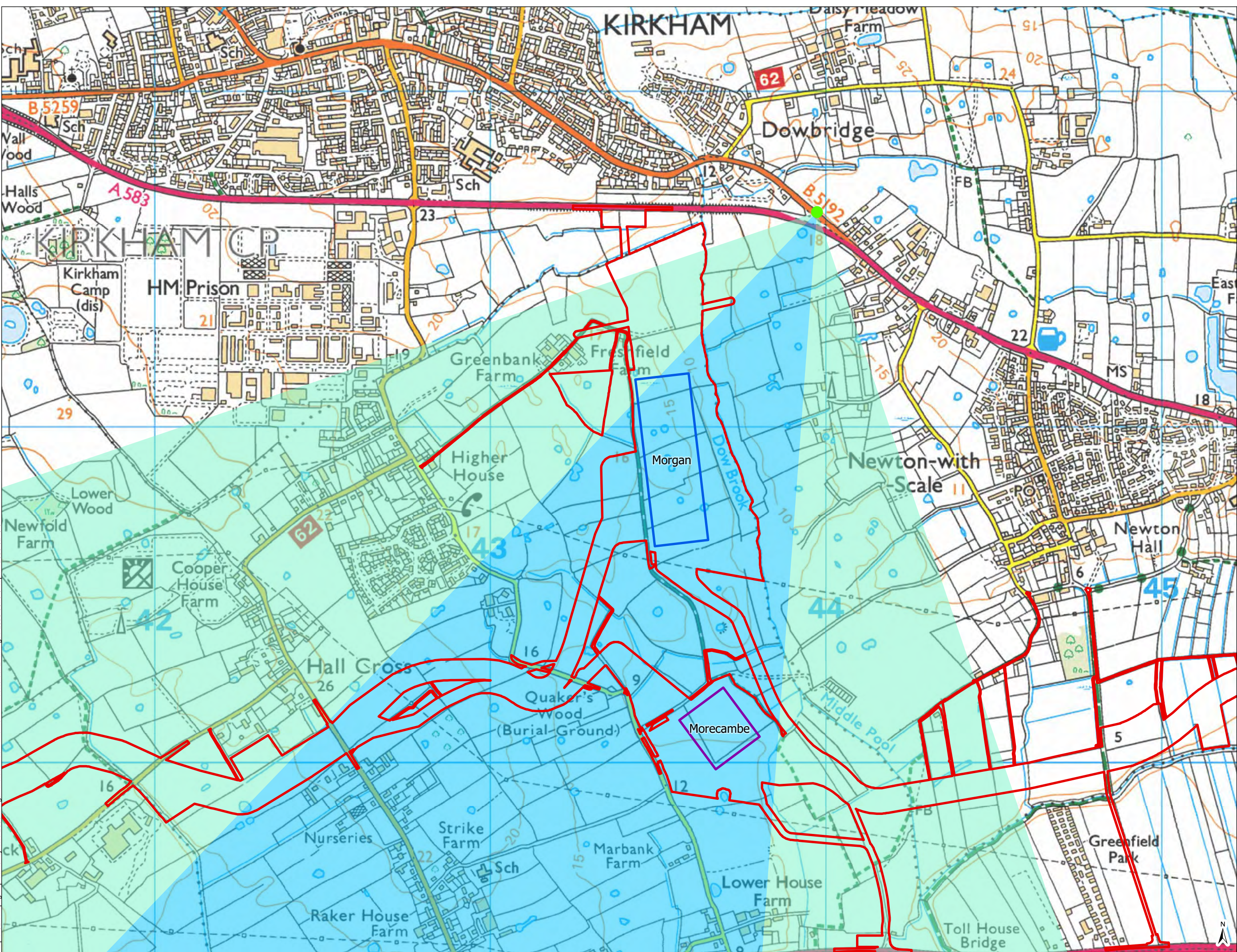
- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation



12

Drawing Number: 12693-0570-01

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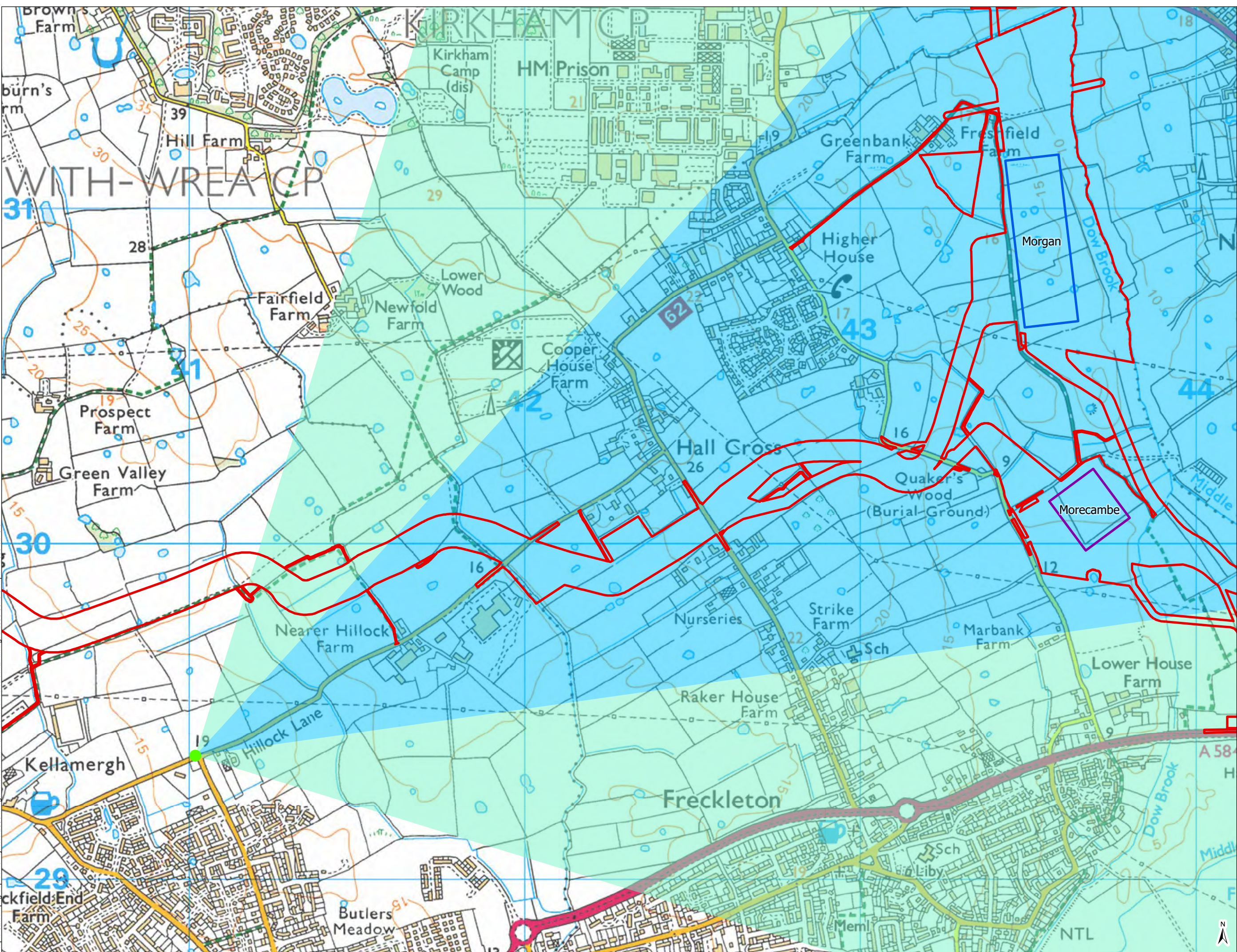
- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation



13

Drawing Number:
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- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
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- 90° HoFV of Cylindrical Panorama
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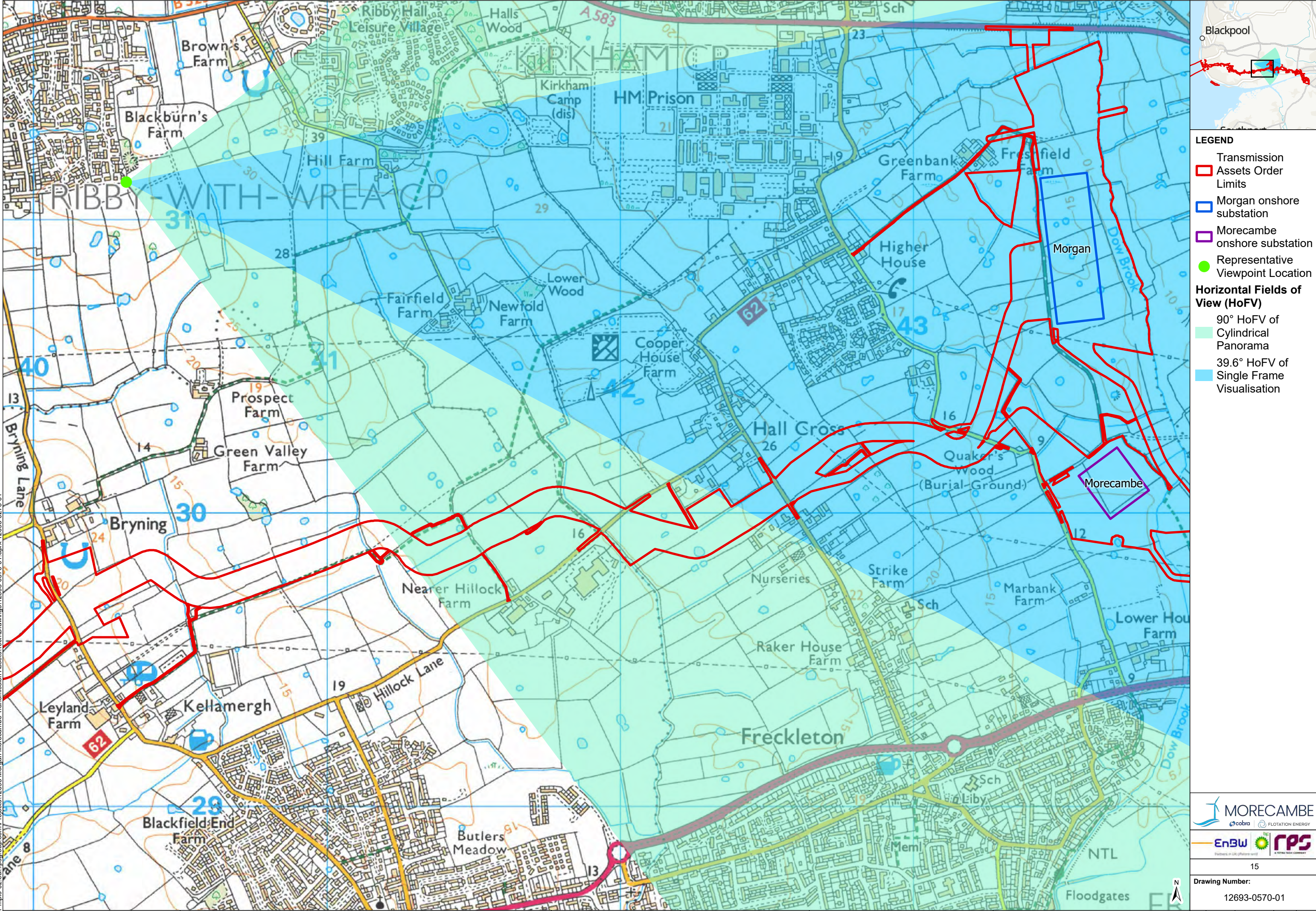
MORECAMBE
cobria | FLOTATION ENERGY

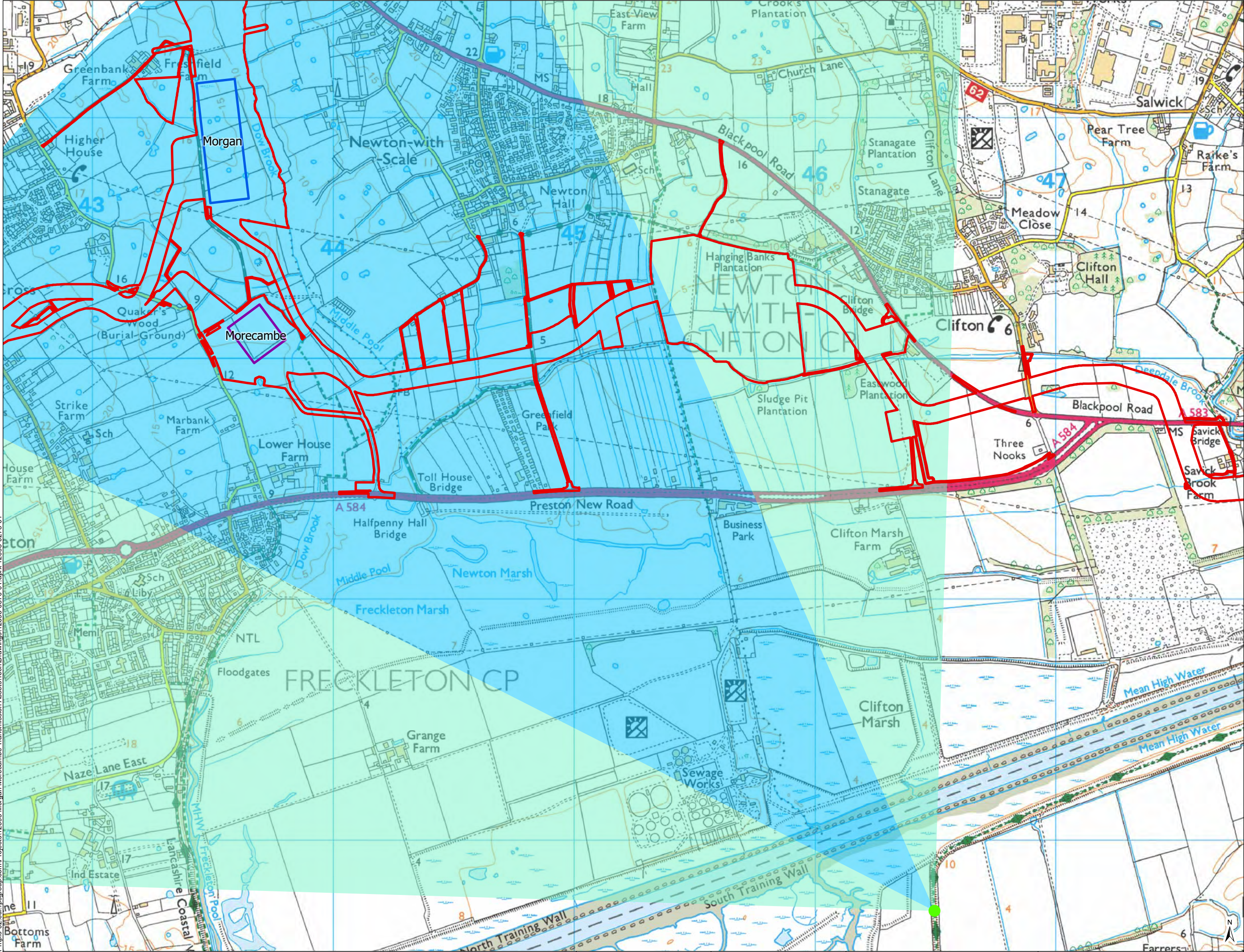
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14

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- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation

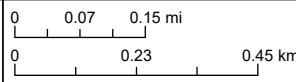


16

Drawing Number: 12693-0570-01

Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
REPRESENTATIVE VIEWPOINT 16: RIVER RIBBLE WAY PUBLIC FOOTPATH - HORIZONTAL FIELDS OF VIEW



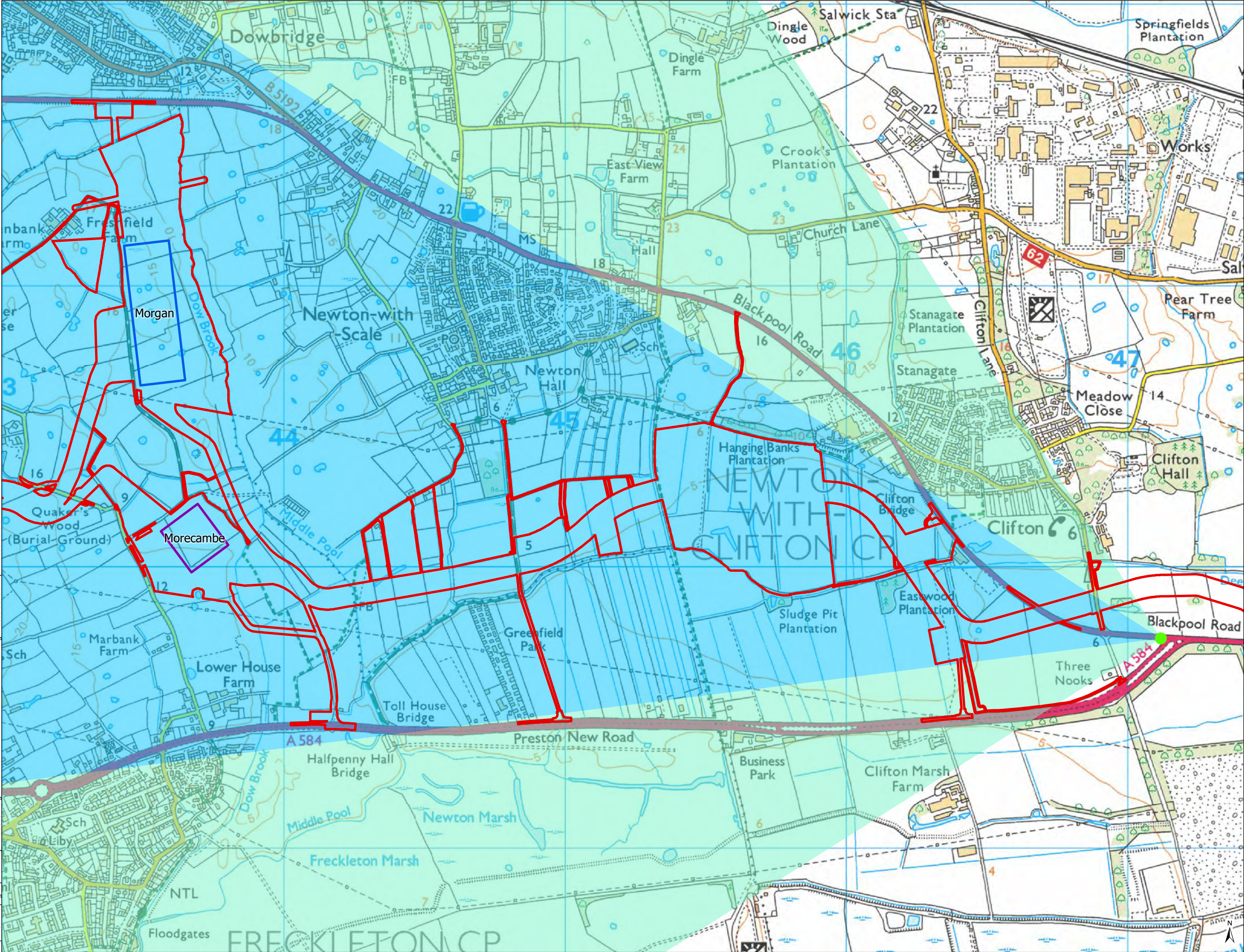
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Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:14,000

Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

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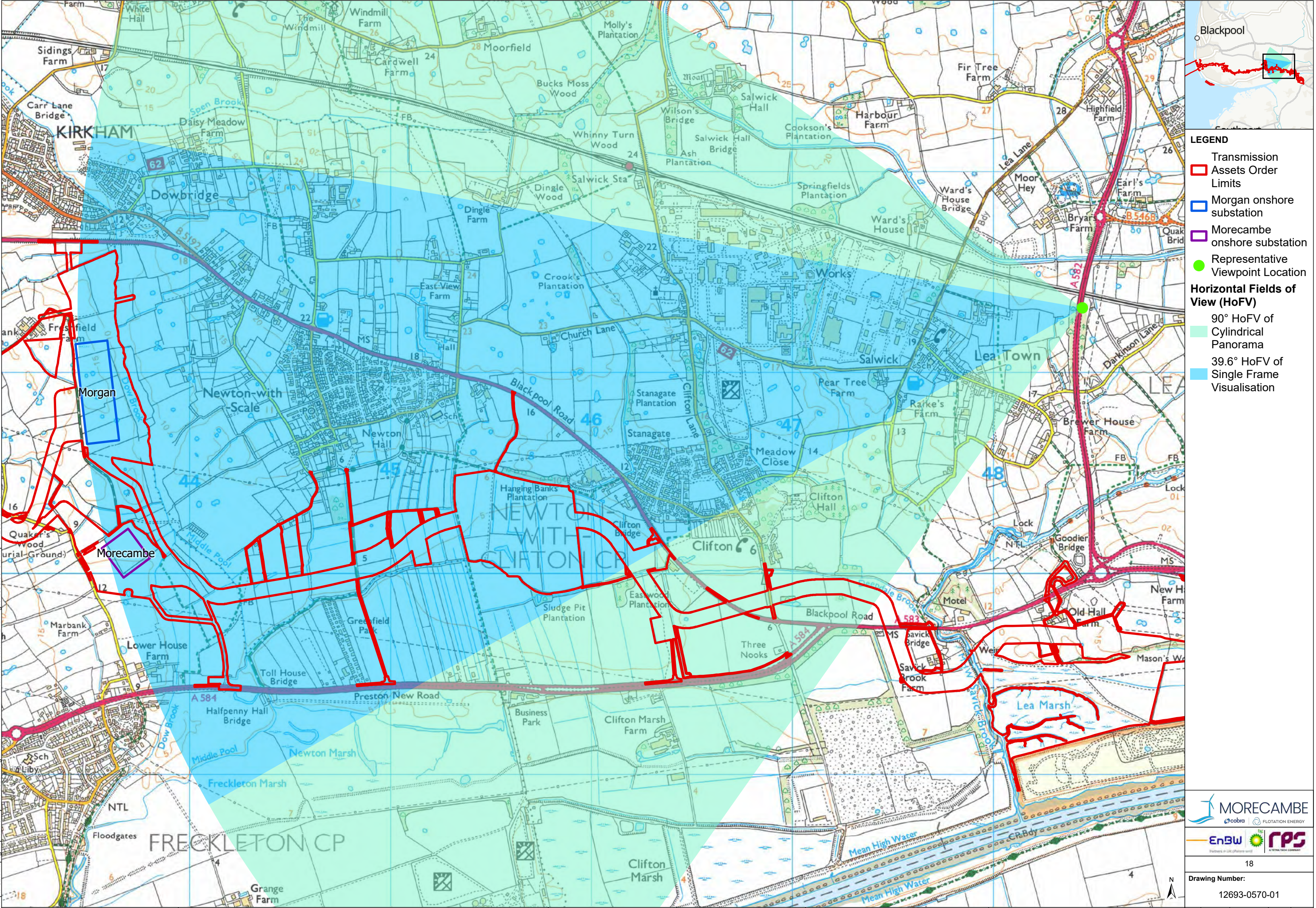
- LEGEND**
- Transmission Assets Order Limits
 - Morgan onshore substation
 - Morecambe onshore substation
 - Representative Viewpoint Location
- Horizontal Fields of View (HoFV)**
- 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation



17

Drawing Number: 12693-0570-01

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LEGEND

- Transmission Assets Order Limits
- Morgan onshore substation
- Morecambe onshore substation
- Representative Viewpoint Location
- Horizontal Fields of View (HoFV)
 - 90° HoFV of Cylindrical Panorama
 - 39.6° HoFV of Single Frame Visualisation

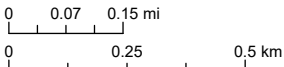
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Drawing Number:

12693-0570-01

Project Name:
MORGAN AND MORECAMBE OFFSHORE
WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
REPRESENTATIVE VIEWPOINT 18: EDITH RIGBY WAY A582 OVERBRIDGE -
HORIZONTAL FIELDS OF VIEW



Geodetic Information:
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Projection: British National Grid
Scale@379mmx231mm: 1:16,000

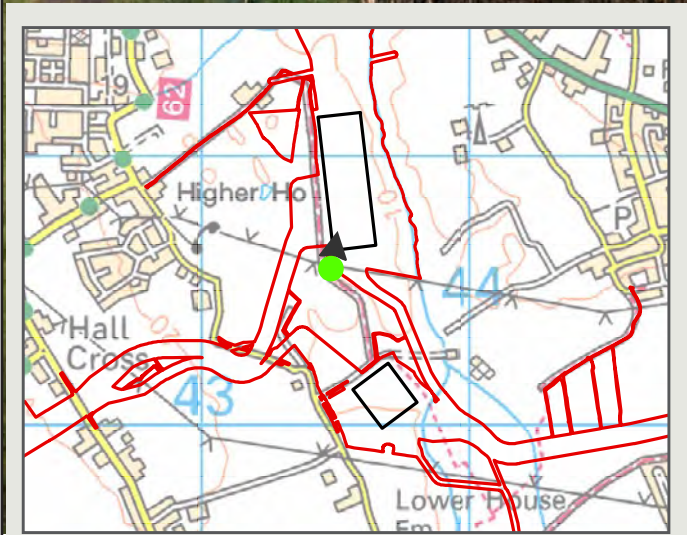
Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

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VER	DATE	DETAILS	BY	CHECK
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Path: P:\eur-npfs-02_eur-rpsgroup.com\Projects\12693_Morgan Morecambe Transmission Assets\TechDrawings\12693-0570-01.aprx 12693-0275-01

Appendix B Photomontages



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			Representative Viewpoint VP1: Bridleway south of Morgan substation site (winter)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/06/2023 Lens Type: 50mm	Distance to closest site: 50 m (Morgan) OS reference: 343481, 430578	Direction of sites: northeast (Morgan) Viewpoint height: 12m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP1 winter Figure 10.5.1
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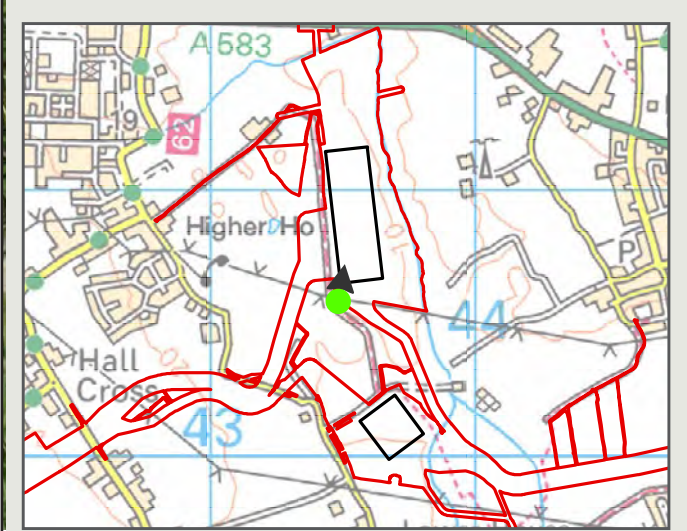




30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/06/2023 Lens Type: 50mm	Distance to closest site: 50 m (Morgan) OS reference: 343481, 430578	Direction of sites: northeast (Morgan) Viewpoint height: 12m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP1 winter Yr 1 Figure 10.5.3
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Morgan substation

Summer Year 15

12893-0226-12



Representative Viewpoint VP1: Bridleway south of Morgan substation site (summer)

Maximum building parameters visible in view
30m lightning conductor zone visible in view

Morgan and Morecambe Offshore Wind Farms:
Transmission Assets
NP12963

Date of Photo: 21/06/2023
Lens Type: 50mm

Distance to closest site: 50 m (Morgan)
OS reference: 343481, 430578

Direction of sites: northeast (Morgan)
Viewpoint height: 12m AOD




Horizontal field of view: 90°
To be viewed at comfortable arms length

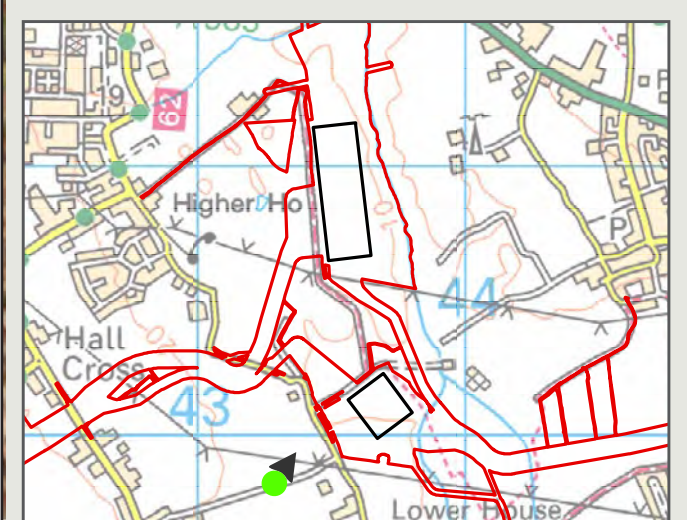
Illustrative proposed context view: VP1 summer
Figure 10.5.5






30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/06/2023 Lens Type: 50mm	Distance to closest site: 50 m (Morgan) OS reference: 343481, 430578	Direction of sites: northeast (Morgan) Viewpoint height: 12m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP1 summer Yr 15 Figure 10.5.6
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			Representative Viewpoint VP2: Strike Lane (winter)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 400m (Morecambe) OS reference: 343287, 429814	Direction of sites: northeast (Morgan) Viewpoint height: 15m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP2 winter Figure 10.5.7
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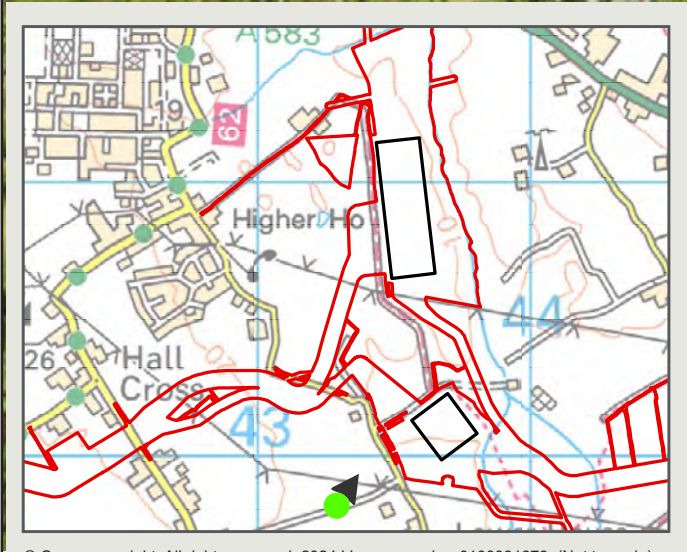




30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 400m (Morecambe) OS reference: 343287, 429814	Direction of sites: northeast (Morgan) Viewpoint height: 15m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP2 winter Yr 1 Figure 10.5.9
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12893-0226-12






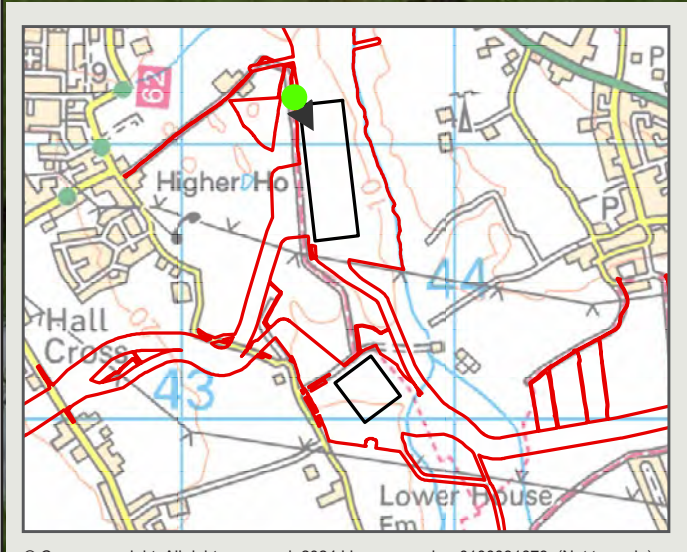
Summer Year 15



30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/06/2024 Lens Type: 50mm	Distance to closest site: 400m (Morecambe) OS reference: 343287, 429814	Direction of sites: northeast (Morgan) Viewpoint height: 15m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP2 summer Yr 15 Figure 10.5.12
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12893-0226-12



Morgan substation




Winter Year 1

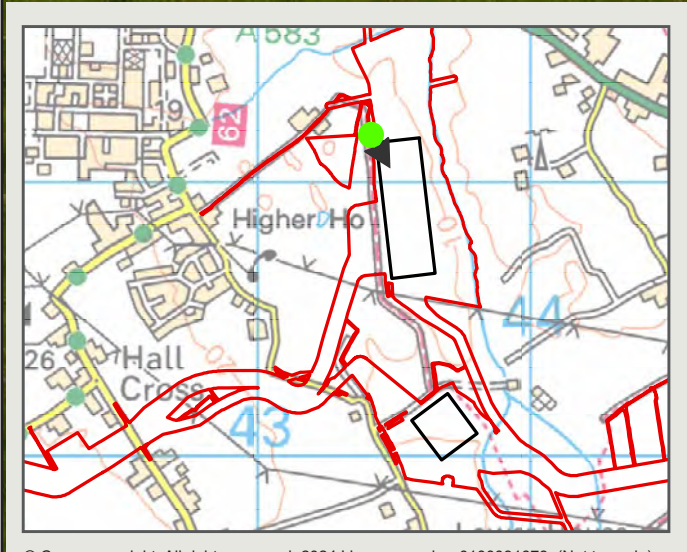
12893-0226-12



30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in 100 offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/03/2023 Lens Type: 50mm	Distance to closest site: 30 m (Morgan) OS reference: 343413, 431171	Direction of sites: southeast (Morgan) Viewpoint height: 19m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP3 winter Yr 1 Figure 10.5.15
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Morgan substation

Summer Year 15




12893-0226-12

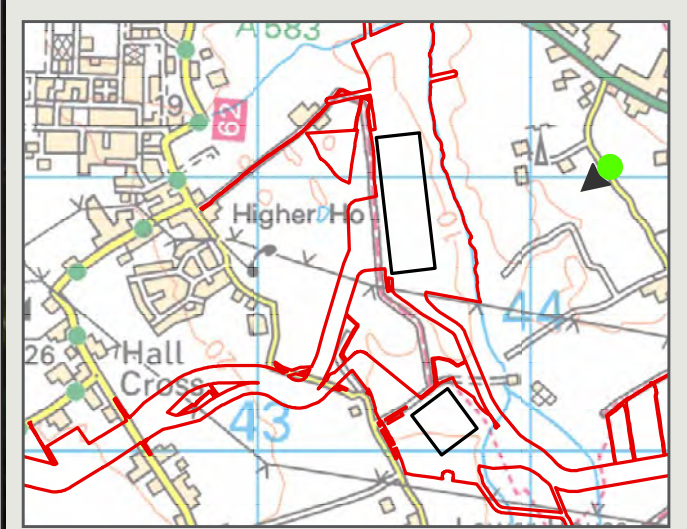
 RPS A VITRAK HOLDINGS COMPANY	 EnBW Partners in the efficient world	 MORECAMBE	Representative Viewpoint 3: View from BW0505016 - Morgan substation (summer)	Maximum building parameters visible in view ——— 30m lightning conductor zone visible in view - - - -	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 19/10/2023 Lens Type: 50mm	Distance to closest site: 30 m (Morgan) OS reference: 343413, 431171	Direction of sites: southeast (Morgan) Viewpoint height: 19m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Illustrative proposed context view: VP3 summer Figure 10.5.17
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30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind		Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 19/10/2023 Lens Type: 50mm	Distance to closest site: 30 m (Morgan) OS reference: 343413, 431171	Direction of sites: southeast (Morgan) Viewpoint height: 19m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP3 summer Yr 15 Figure 10.5.18
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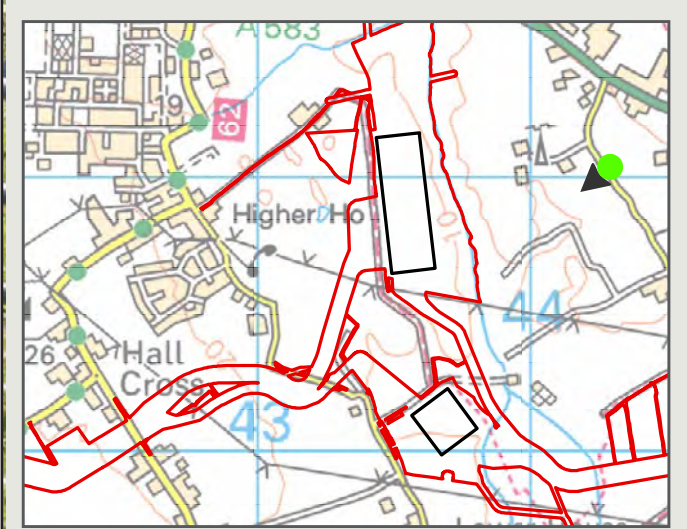
12893-0226-12



30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 0.7 km (Morgan) OS reference: 344289, 431035	Direction of sites: west (Morgan) Viewpoint height: 15m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP4 winter Yr 1 Figure 10.5.21
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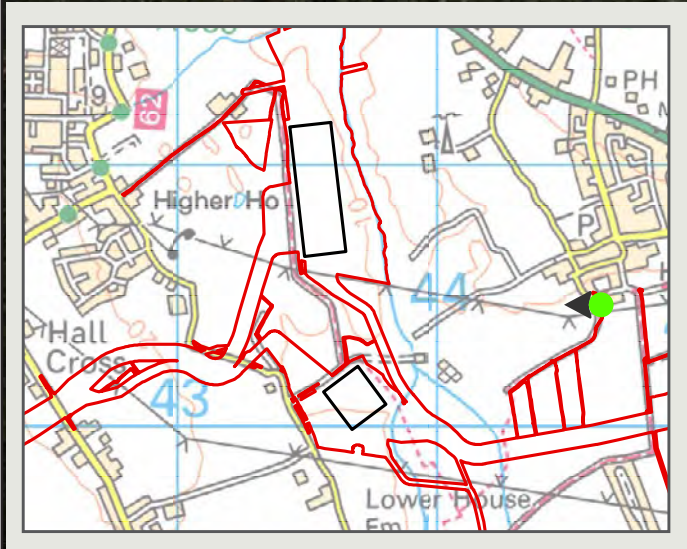




30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/06/2023 Lens Type: 50mm	Distance to closest site: 0.7 km (Morgan) OS reference: 344289, 431035	Direction of sites: west (Morgan) Viewpoint height: 15m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP4 summer Yr 15 Figure 10.5.24
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12893-0226-12

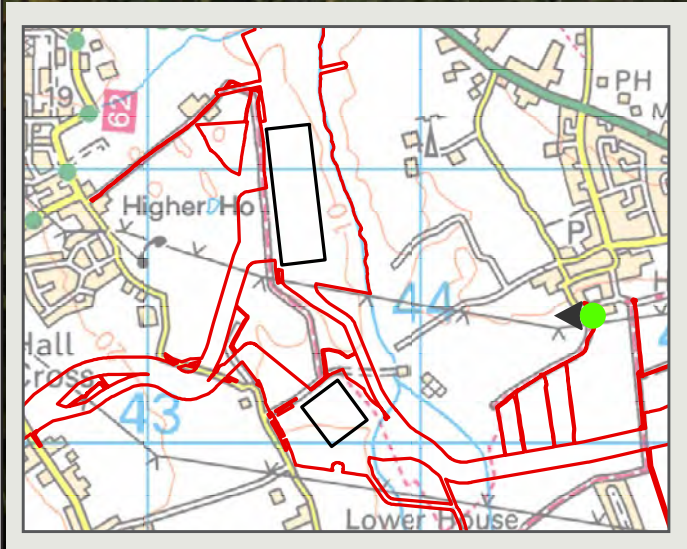







30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in 100 offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/03/2023 Lens Type: 50mm	Distance to closest site: 1.0 km (Morecambe) OS reference: 344629, 430460	Direction of sites: southwest (Morecambe) Viewpoint height: 7m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP5 winter Yr 1 Figure 10.5.27
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 <small>A FIDRA TRUST COMPANY</small>	 <small>Partners in the offshore sector</small>		Representative Viewpoint 5: View north west from FP0509005 - Morecambe substation (summer)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/03/2023 Lens Type: 50mm	Distance to closest site: 1.0 km (Morecambe) OS reference: 344629, 430460	Direction of sites: southwest (Morecambe) Viewpoint height: 7m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP5 summer Figure 10.5.28
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12893-0226-12






Summer Year 15

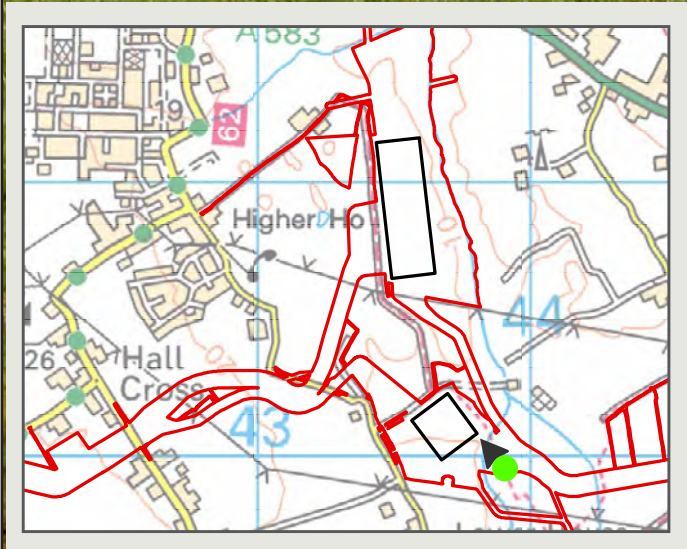
12893-0226-12



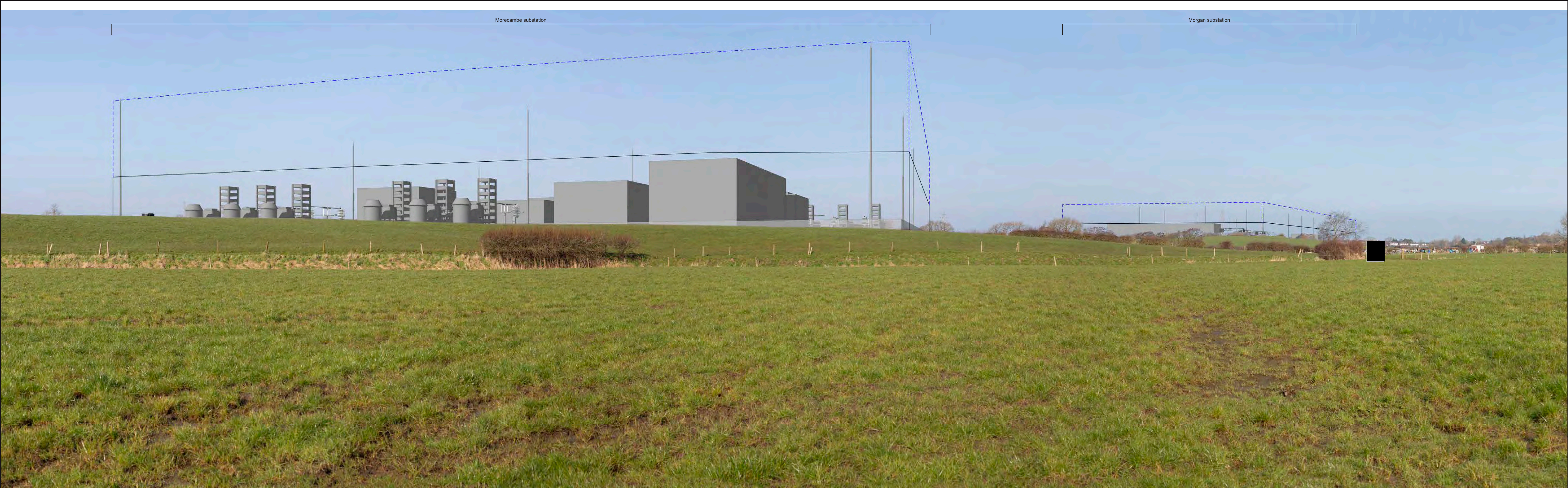
Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/03/2023 Lens Type: 50mm	Distance to closest site: 1.0 km (Morecambe) OS reference: 344629, 430460	Direction of sites: southwest (Morecambe) Viewpoint height: 7m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP5 summer Yr 15 Figure 10.5.30
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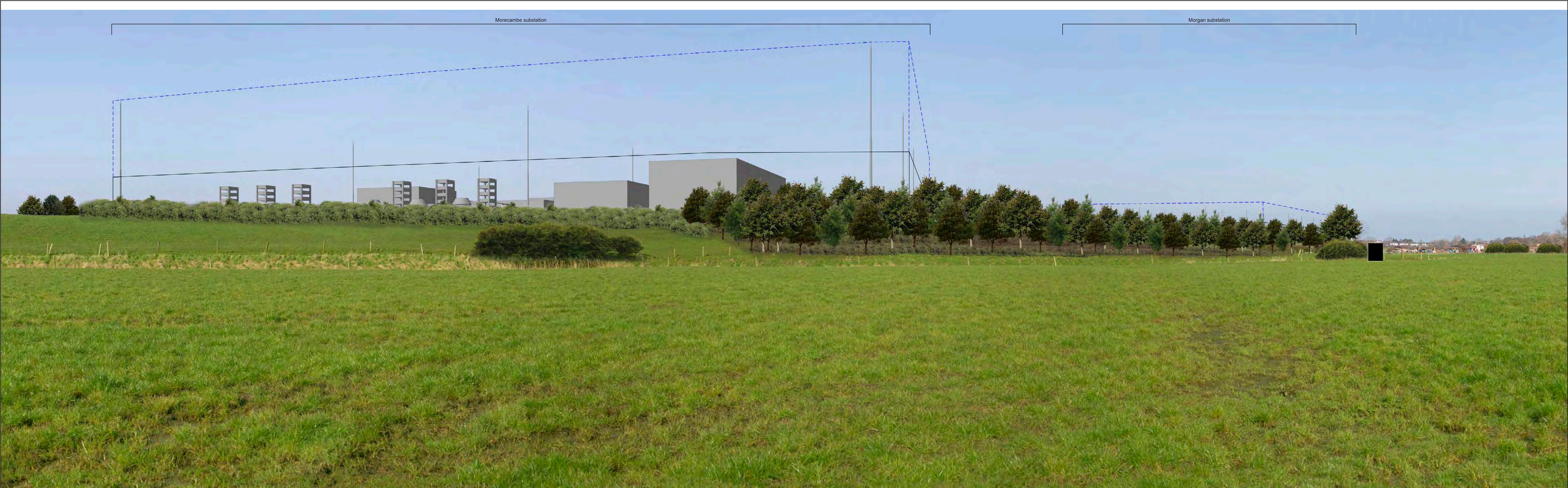




30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12




 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 160 m (Morecambe) OS reference: 343904, 429951	Direction of sites: northwest (Morecambe) Viewpoint height: 7m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP6 winter Yr 1 Figure 10.5.33
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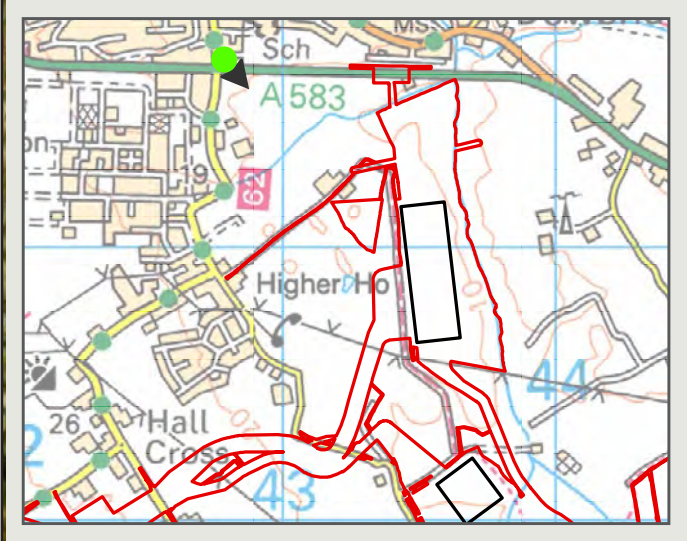




30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 160 m (Morecambe) OS reference: 343904, 429951	Direction of sites: northwest (Morecambe) Viewpoint height: 7m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP6 summer Yr 15 Figure 10.5.35
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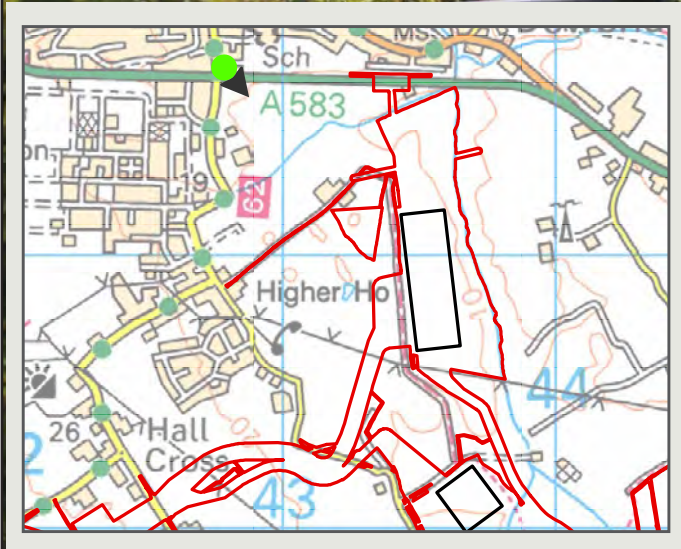




Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 0.8 km (Morgan) OS reference: 342784, 431681	Direction of sites: southeast (both) Viewpoint height: 24m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP7 winter Yr 1 Figure 10.5.38
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Summer Year 15



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12



**Morgan and Morecambe Offshore
Wind Farms: Transmission Assets**
NP12963

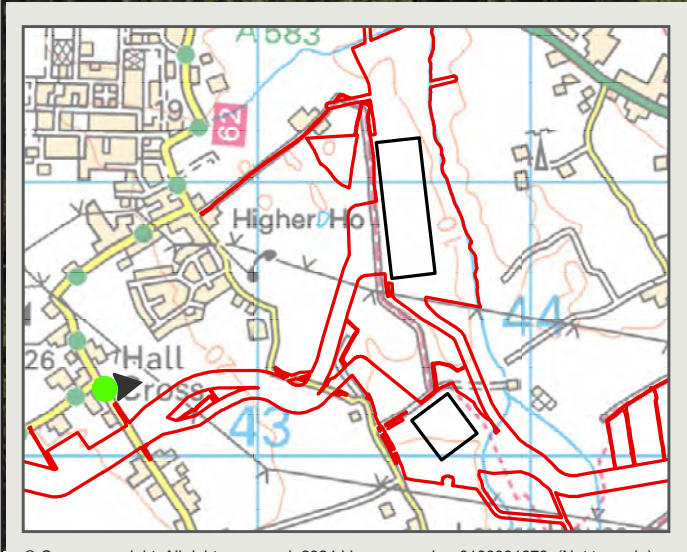
Date of Photo: 21/06/2023
Lens Type: 50mm

Distance to closest site: 0.8 km (Morgan)
OS reference: 342784, 431681

Direction of sites: southeast (both)
Viewpoint height: 24m AOD

Horizontal field of view: 39.6°
To be viewed at comfortable arms length

Single frame illustrative view: VP7 summer Yr 15
Figure 10.5.41






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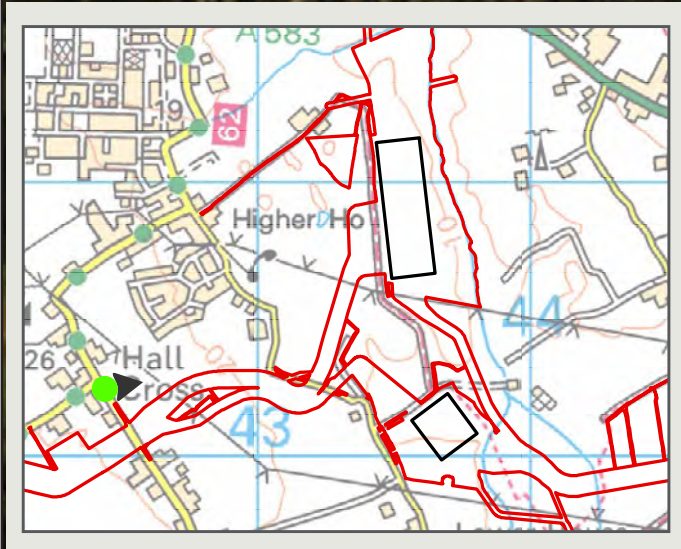







30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/03/2023 Lens Type: 50mm	Distance to closest site: 1.1 km (Morgan) OS reference: 342438, 430242	Direction of sites: northeast (Morgan) Viewpoint height: 27m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP8 winter Yr 1 Figure 10.5.44
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			Representative Viewpoint VP8: Kirkham Road, National Cycle Network route 62 (summer)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 20/10/2023 Lens Type: 50mm	Distance to closest site: 1.1 km (Morgan) OS reference: 342438, 430242	Direction of sites: northeast (Morgan) Viewpoint height: 27m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP8 summer Figure 10.5.45
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12893-0226-12






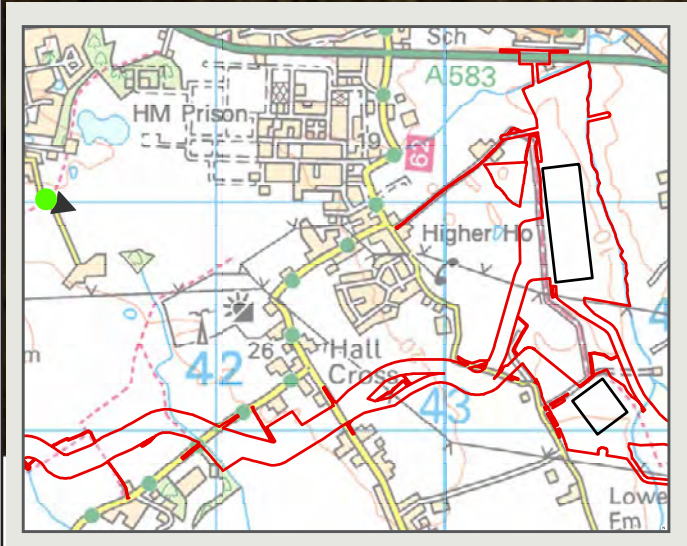
Summer Year 15



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 20/10/2023 Lens Type: 50mm	Distance to closest site: 1.1 km (Morgan) OS reference: 342438, 430242	Direction of sites: northeast (Morgan) Viewpoint height: 27m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP8 summer Yr 15 Figure 10.5.47
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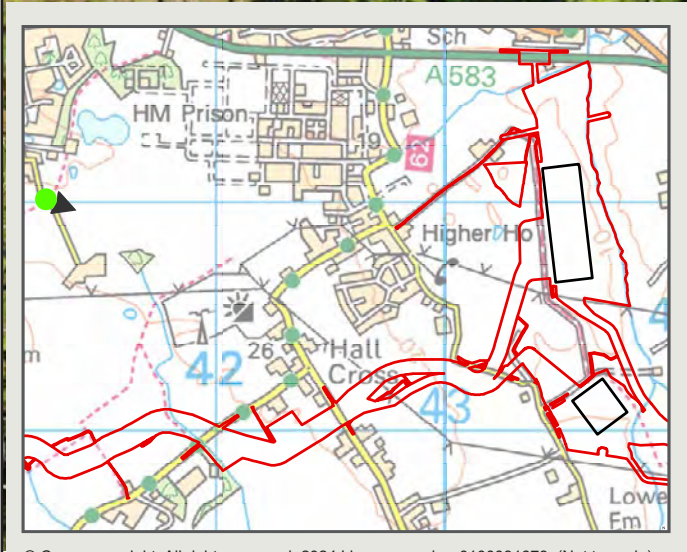
Winter Year 1



Outline of proposed development screened by intervening vegetation, landform and/or development — 30m lightning conductor zone visible in view — — Maximum building parameters

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 08/03/2024 Lens Type: 50mm	Distance to closest site: 2.2 km (Morgan) OS reference: 341260, 431007	Direction of sites: east (both) Viewpoint height: 29m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP9 winter Yr 1 Figure 10.5.50
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Representative Viewpoint VP9: Brown's Lane public footpath (summer)






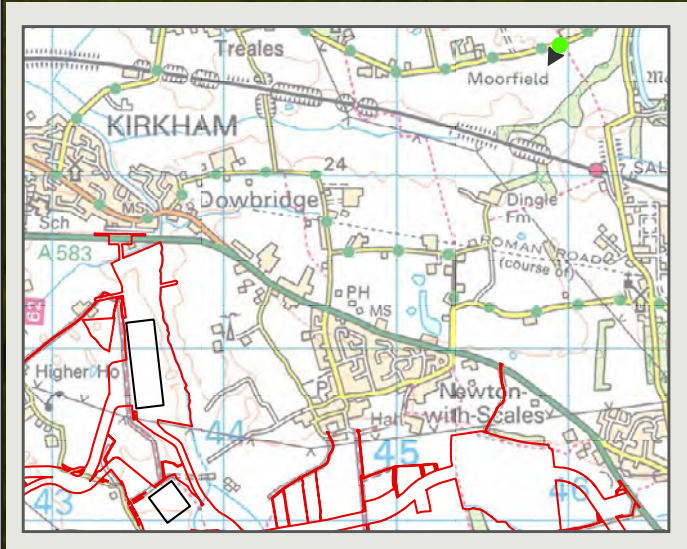
Summer Year 15



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters ———

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/06/2023 Lens Type: 50mm	Distance to closest site: 2.2 km (Morgan) OS reference: 341260, 431007	Direction of sites: east (both) Viewpoint height: 29m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP9 summer Yr 15 Figure 10.5.53
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12893-0226-12

			Representative Viewpoint VP10: Footpath FP0513016 and National Cycle Network route 62 (winter)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 09/03/2023 Lens Type: 50mm	Distance to closest site: 2.8 km (Morgan) OS reference: 345952, 432753	Direction of sites: southwest (both) Viewpoint height: 30m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP10 winter Figure 10.5.54
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Winter Year 1

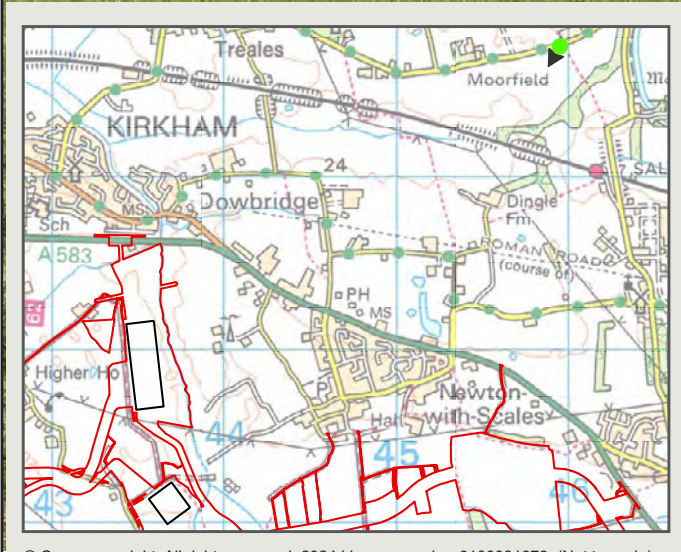
12893-0226-12



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters ———

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 09/03/2023 Lens Type: 50mm	Distance to closest site: 2.8 km (Morgan) OS reference: 345952, 432753	Direction of sites: southwest (both) Viewpoint height: 30m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP10 winter Yr 1 Figure 10.5.56
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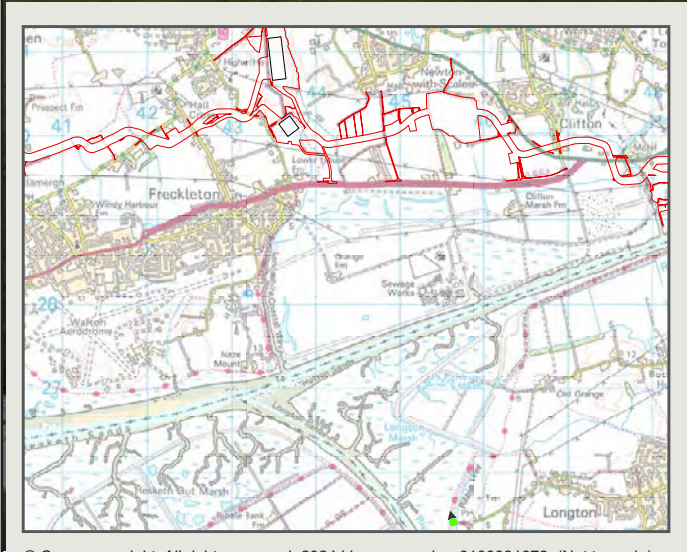




Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - - Maximum building parameters ———

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 09/03/2023 Lens Type: 50mm	Distance to closest site: 2.8 km (Morgan) OS reference: 345952, 432753	Direction of sites: southwest (both) Viewpoint height: 30m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP10 summer Yr 15 Figure 10.5.59
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12893-0226-12






Winter Year 1

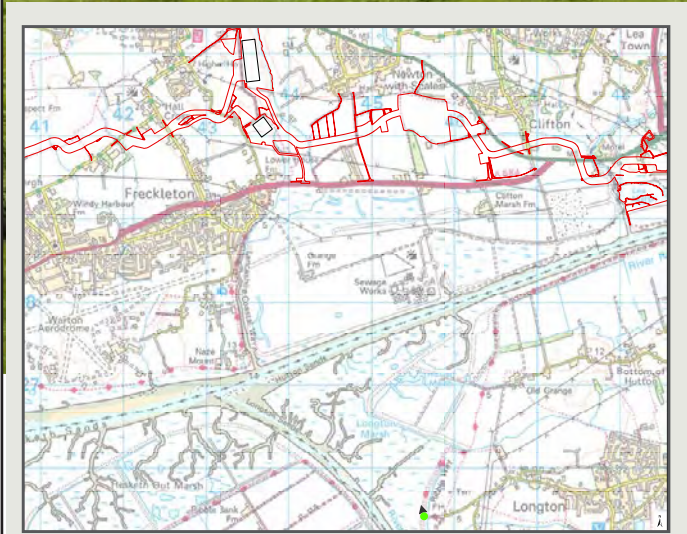
12893-0226-12



Outline of proposed development screened by intervening vegetation, landform and/or development — — — — — 30m lightning conductor zone visible in view - - - - - Maximum building parameters — — — — —

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 21/03/2023 Lens Type: 50mm	Distance to closest site: 5.0 km (Morecambe) OS reference: 345635, 425408	Direction of sites: northwest (both) Viewpoint height: 9m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP11 winter Yr 1 Figure 10.5.62
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12893-0226-12






Summer Year 15



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - - Maximum building parameters ———

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 5.0 km (Morecambe) OS reference: 345635, 425408	Direction of sites: northwest (both) Viewpoint height: 9m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP11 summer Yr 15 Figure 10.5.65
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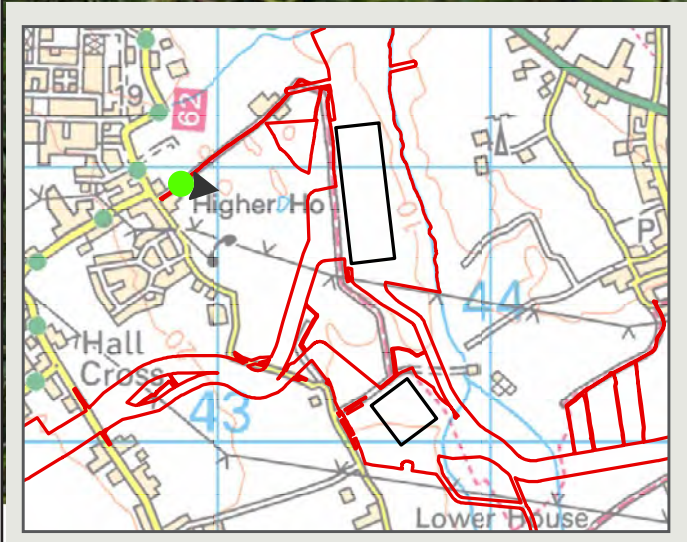






30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 600 m (Morgan) OS reference: 342865, 430937	Direction of sites: east (Morgan) Viewpoint height: 20m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP12 winter Yr 1 Figure 10.5.68
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			Representative Viewpoint VP12: Farm access track/bridleway (BW0505016) (summer)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 12/06/2024 Lens Type: 50mm	Distance to closest site: 600 m (Morgan) OS reference: 342865, 430937	Direction of sites: east (Morgan) Viewpoint height: 20m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP12 summer Figure 10.5.69
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12893-0226-12



Morgan substation




Morecambe substation

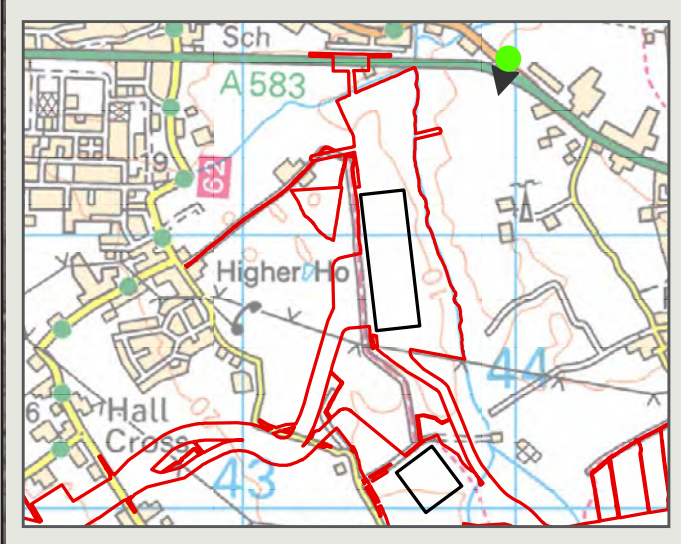
Summer Year 15



30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 12/06/2024 Lens Type: 50mm	Distance to closest site: 600 m (Morgan) OS reference: 342865, 430937	Direction of sites: east (Morgan) Viewpoint height: 20m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP12 summer Yr 15 Figure 10.5.71
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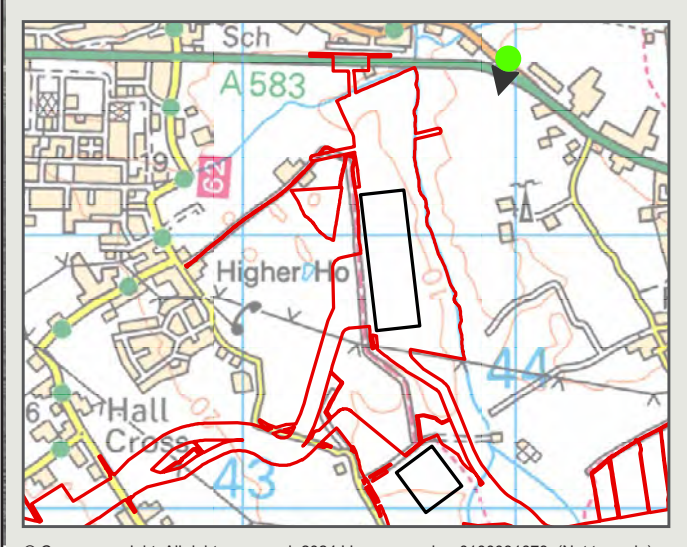




30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 600 m (Morgan) OS reference: 343973, 431641	Direction of sites: southwest (both) Viewpoint height: 21m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP13 winter Yr 1 Figure 10.5.74
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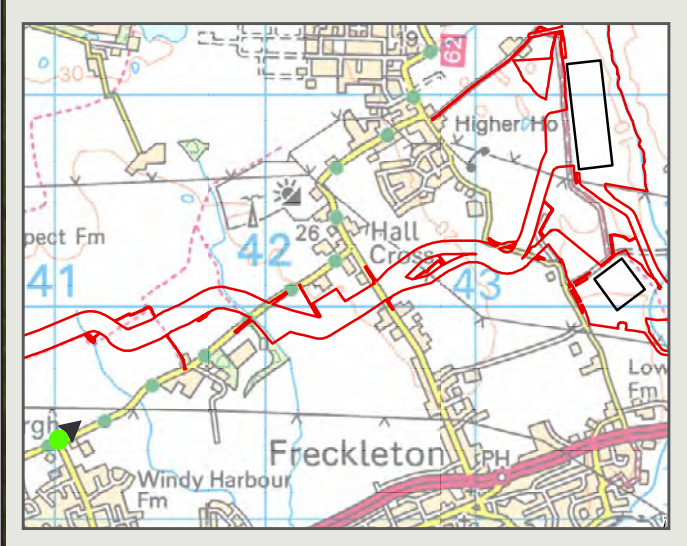
Summer Year 15



30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 600 m (Morgan) OS reference: 343973, 431641	Direction of sites: southwest (both) Viewpoint height: 21m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame illustrative view: VP13 summer Yr 15 Figure 10.5.77
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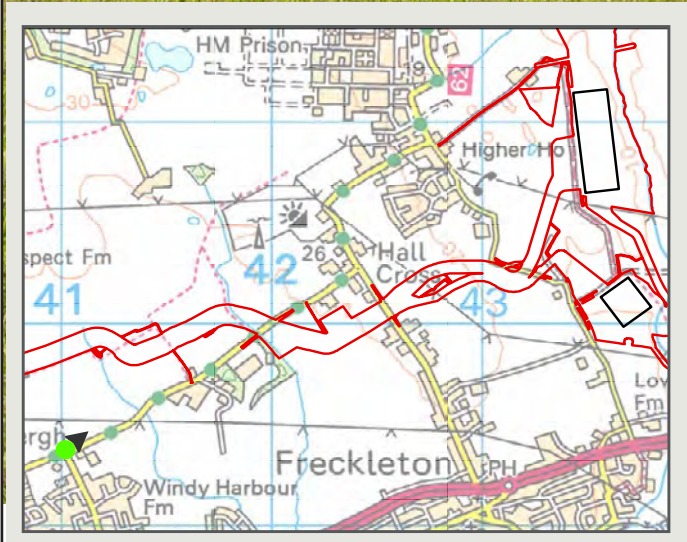
Winter Year 1






Outline of proposed development screened by intervening vegetation, landform and/or development — 30m lightning conductor zone visible in view — — Maximum building parameters —

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 2.7 km (Morecambe) OS reference: 341018, 429370	Direction of sites: northeast (both) Viewpoint height: 20m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP14 winter Yr 1 Figure 10.5.80
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 A VITALIA GROUP COMPANY	 Partners in the offshore world		Representative Viewpoint VP14: Freckleton, Hillock Lane (summer)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 2.7 km (Morecambe) OS reference: 341018, 429370	Direction of sites: northeast (both) Viewpoint height: 20m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP14 summer Figure 10.5.81
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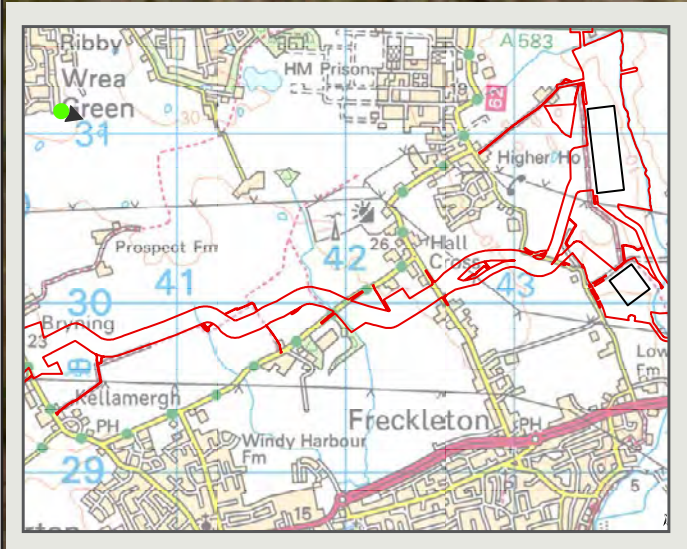
Summer Year 15



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view ——— Maximum building parameters

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 2.7 km (Morecambe) OS reference: 341018, 429370	Direction of sites: northeast (both) Viewpoint height: 20m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP14 summer Yr 15 Figure 10.5.83
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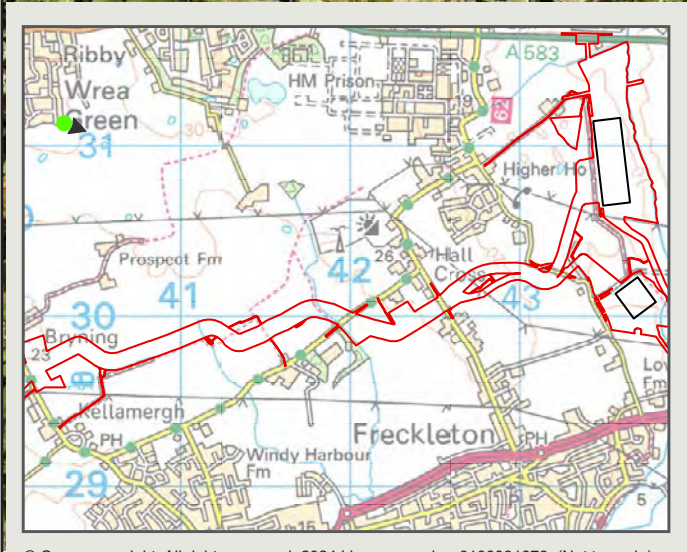
Winter Year 1



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - - Maximum building parameters ———

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 07/03/2024 Lens Type: 50mm	Distance to closest site: 3.1 km (Morgan) OS reference: 340315, 431129	Direction of sites: east (both) Viewpoint height: 33m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP15 winter Yr 1 Figure 10.5.86
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Representative Viewpoint VP15: Wrea Green public open space (summer)

Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 3.1 km (Morgan) OS reference: 340315, 431129	Direction of sites: east (both) Viewpoint height: 33m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP15 summer Figure 10.5.87
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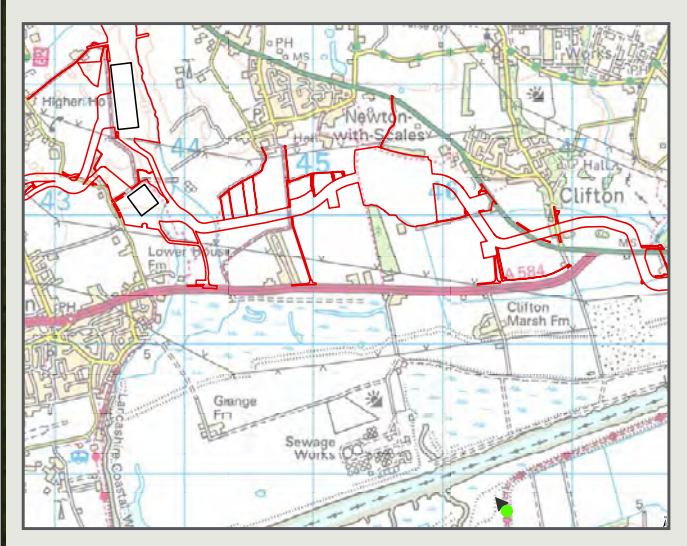
Summer Year 15






Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view ——— Maximum building parameters ———

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 3.1 km (Morgan) OS reference: 340315, 431129	Direction of sites: east (both) Viewpoint height: 33m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP15 summer Yr 15 Figure 10.5.89
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			Representative Viewpoint VP16: River Ribble Way public footpath (winter)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 09/03/2024 Lens Type: 50mm	Distance to closest site: 3.6 km (Morecambe) OS reference: 346496, 427707	Direction of sites: northwest (both) Viewpoint height: 9m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP16 winter Figure 10.5.90
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12893-0226-12






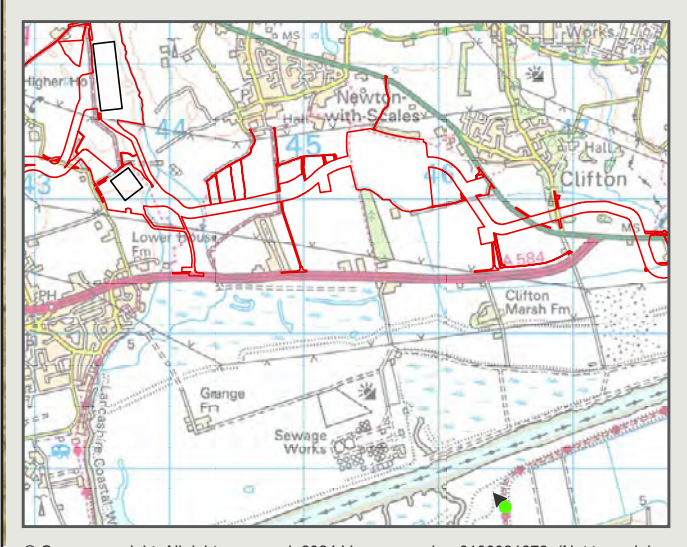
Winter Year 1

12893-0226-12



Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 09/03/2024 Lens Type: 50mm	Distance to closest site: 3.6 km (Morecambe) OS reference: 346496, 427707	Direction of sites: northwest (both) Viewpoint height: 9m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP16 winter Yr 1 Figure 10.5.92
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12893-0226-12




			Representative Viewpoint VP16: River Ribble Way public footpath (summer)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 12/06/2024 Lens Type: 50mm	Distance to closest site: 3.6 km (Morecambe) OS reference: 346496, 427707	Direction of sites: northwest (both) Viewpoint height: 9m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP16 summer Figure 10.5.93
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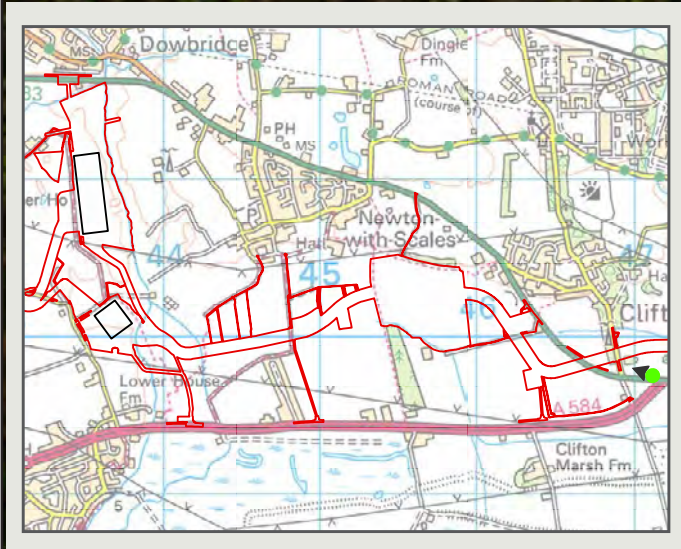




Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 12/06/2024 Lens Type: 50mm	Distance to closest site: 3.6 km (Morecambe) OS reference: 346496, 427707	Direction of sites: northwest (both) Viewpoint height: 9m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP16 summer Yr 15 Figure 10.5.95
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Winter Year 1

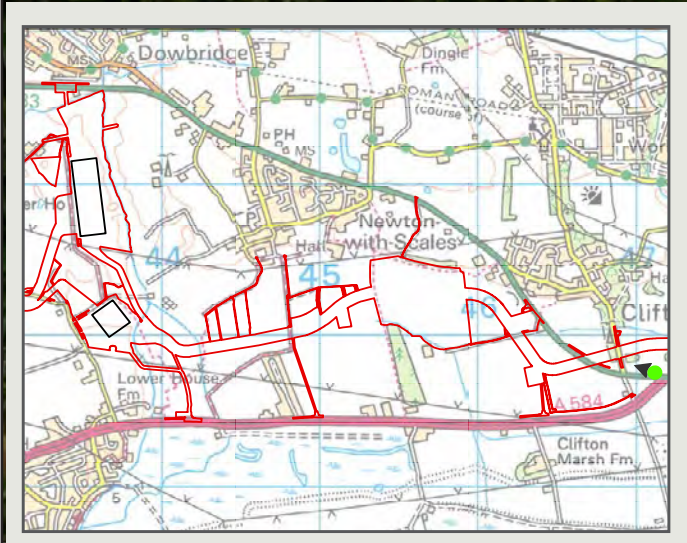
12893-0226-12





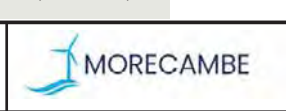
Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 08/03/2024 Lens Type: 50mm	Distance to closest site: 3.3 km (Morecambe) OS reference: 347118, 429746	Direction of sites: west (both) Viewpoint height: 7m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP17 winter Yr 1 Figure 10.5.98
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			Representative Viewpoint VP17: Blackpool Road junction with Preston New Road (summer)	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 3.3 km (Morecambe) OS reference: 347118, 429746	Direction of sites: west (both) Viewpoint height: 7m AOD	Horizontal field of view: 90° To be viewed at comfortable arms length	Existing context view: VP17 summer Figure 10.5.99
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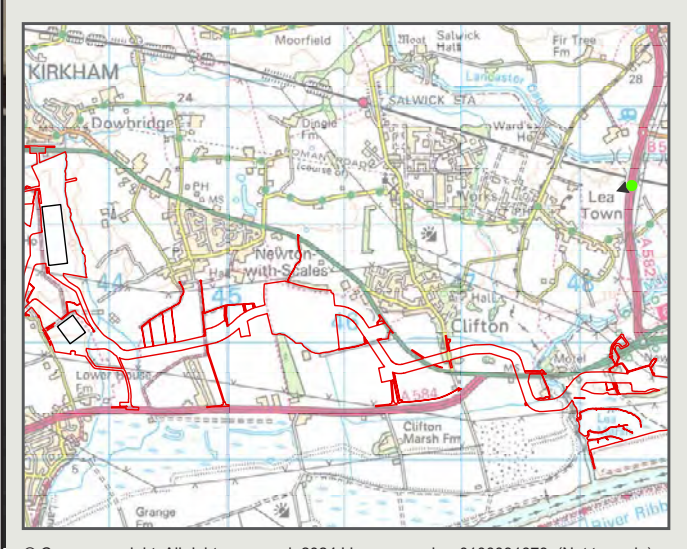
Summer Year 15



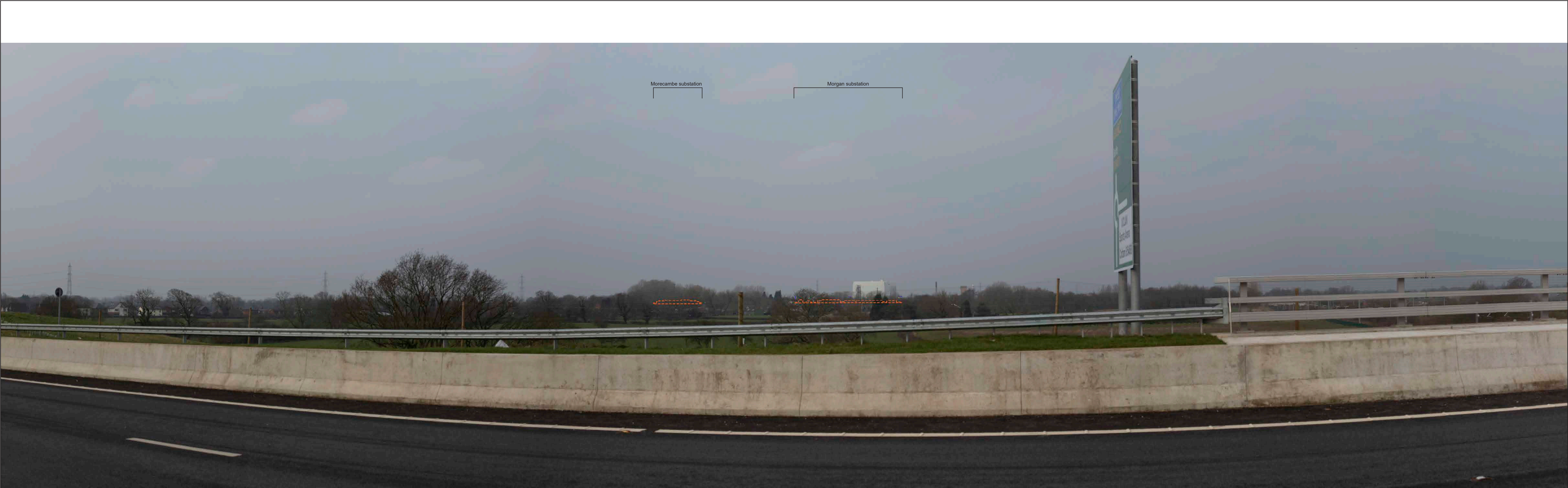
Outline of proposed development screened by intervening vegetation, landform and/or development ——— 30m lightning conductor zone visible in view - - - Maximum building parameters visible in view

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 11/06/2024 Lens Type: 50mm	Distance to closest site: 3.3 km (Morecambe) OS reference: 347118, 429746	Direction of sites: west (both) Viewpoint height: 7m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP17 summer Yr 15 Figure 10.5.101
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Morecambe substation

Morgan substation

Outline of proposed development screened by intervening vegetation, landform and/or development

Maximum building parameters
30m lightning conductor zone visible in view

Morgan and Morecambe Offshore Wind Farms:
Transmission Assets
NP12963

Date of Photo: 09/03/2024
Lens Type: 50mm

Distance to closest site: 4.8 km (Morecambe)
OS reference: 348442, 431323

Direction of sites: west (both)
Viewpoint height: 30m AOD

Horizontal field of view: 90°
To be viewed at comfortable arms length

Wireline proposed context view: VP18 winter
Figure 10.5.103

Winter Year 1

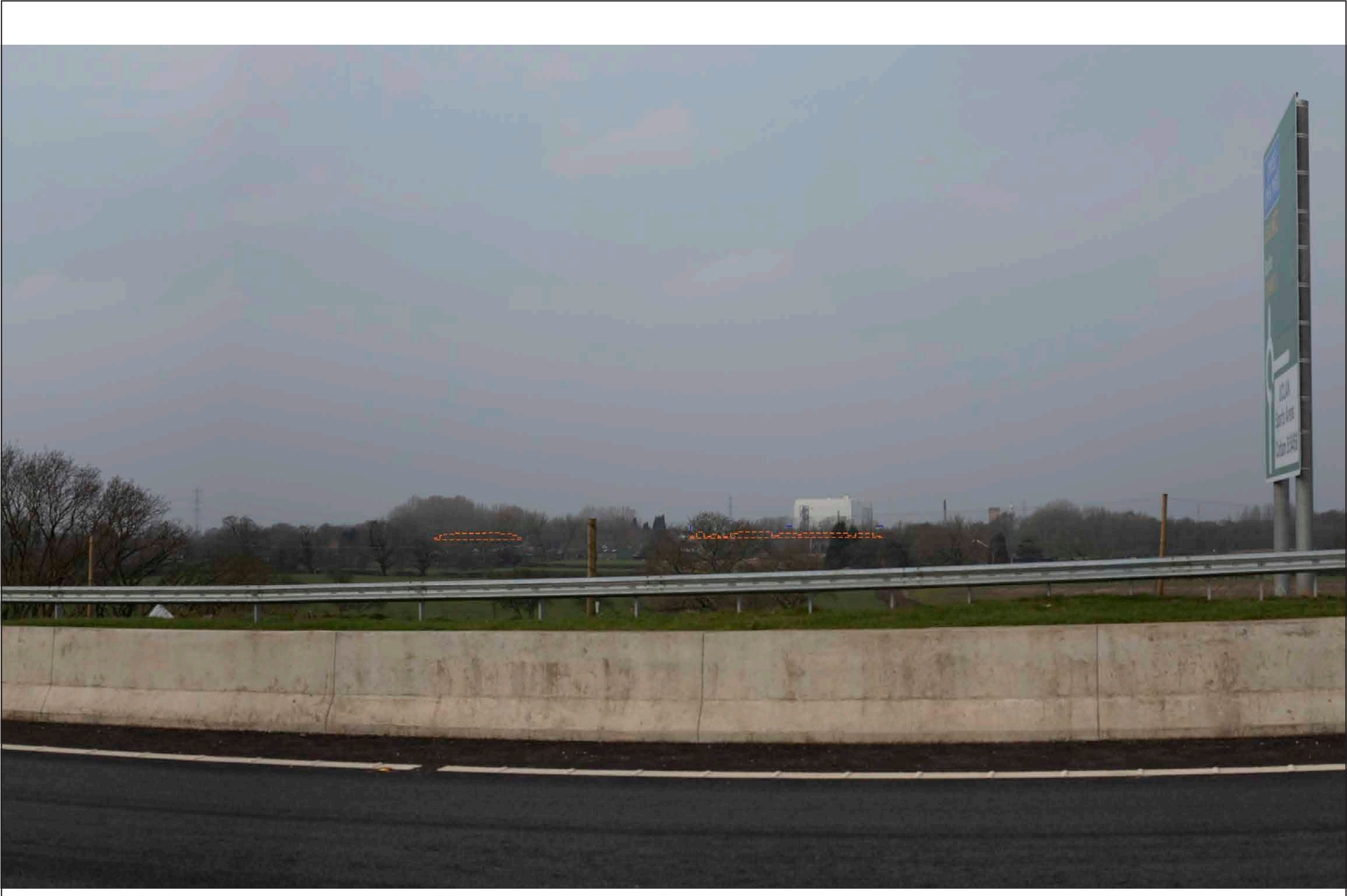
12893-0226-12

rps




EnBW

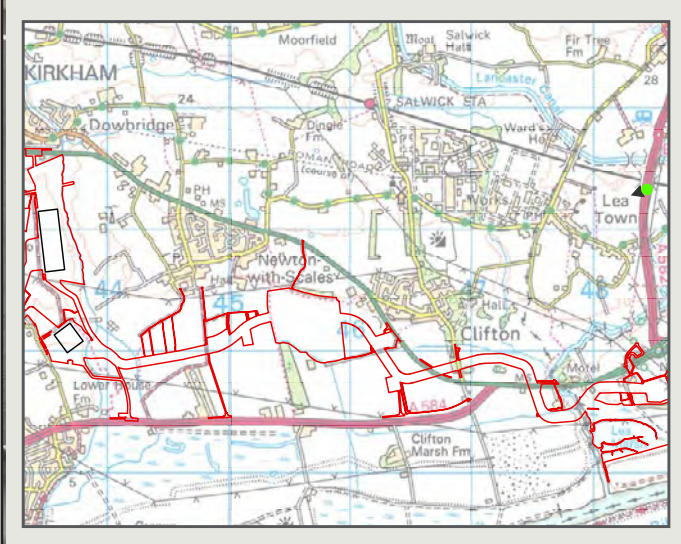
MORECAMBE

Representative Viewpoint VP18: Edith Rigby Way A582 overbridge (winter)



Outline of proposed development screened by intervening vegetation, landform and/or development — — — — — 30m lightning conductor zone visible in view — — — — — Maximum building parameters

 A TETRA TECH COMPANY	 Partners in 100 offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 09/03/2024 Lens Type: 50mm	Distance to closest site: 4.8 km (Morecambe) OS reference: 348442, 431323	Direction of sites: west (both) Viewpoint height: 30m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP18 winter Yr 1 Figure 10.5.104
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Summer Year 15



Outline of proposed development screened by intervening vegetation, landform and/or development ———— 30m lightning conductor zone - - - - - Maximum building parameters ————

12693-0226-12

 A TETRA TECH COMPANY	 Partners in UK offshore wind	 MORECAMBE	Morgan and Morecambe Offshore Wind Farms: Transmission Assets NP12963	Date of Photo: 12/06/2024 Lens Type: 50mm	Distance to closest site: 4.8 km (Morecambe) OS reference: 348442, 431323	Direction of sites: west (both) Viewpoint height: 30m AOD	Horizontal field of view: 39.6° To be viewed at comfortable arms length	Single frame wireline view: VP18 summer Yr 15 Figure 10.5.107
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