



MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Volume 1, Figures – Part 1 of 2



Deadline: Deadline 5a
Application Reference: EN020028

Document Numbers:
MRCNS-J3303-RPS-10160
MOR001-FLO-CON-ENV-FIG-0001

Document Reference: F1.6/F02

02 October 2025
F02

Document status					
Version	Purpose of document	Approved by	Date	Approved by	Date
F01	For issue	AS	September 2024	IM	September 2024
F02	Deadline 5a	GL	October 2025	IM	October 2025

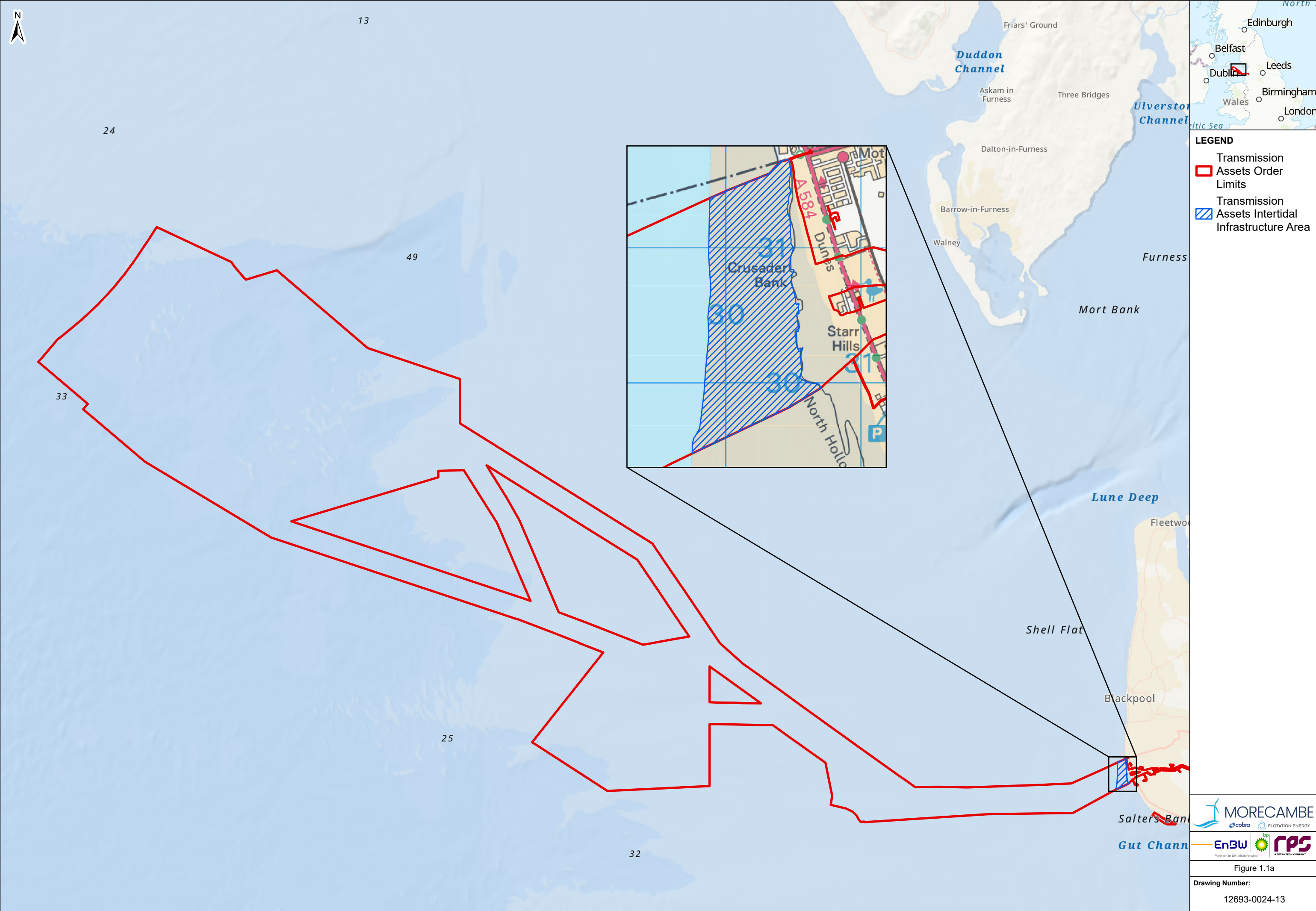
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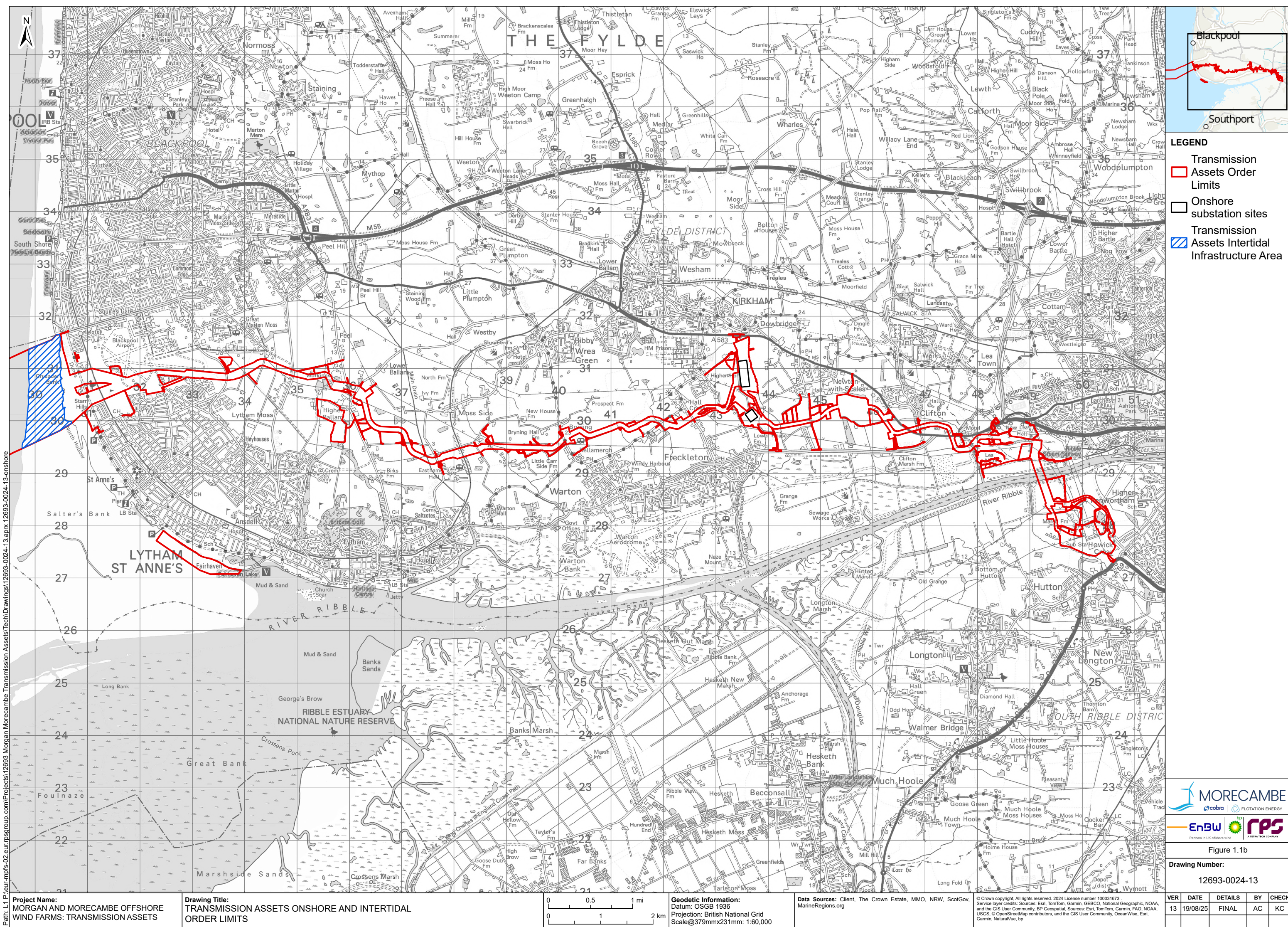
Morgan Offshore Wind Limited,
Morecambe Offshore Windfarm Ltd

Prepared for:

Morgan Offshore Wind Limited,
Morecambe Offshore Windfarm Ltd

Path: L1 P:\eur-mpfs-02.eur.rpsgroup.com\Projects\12693 Morgan Morecambe Transmission Assets\TechDrawings\12693-0024-13.aprx 12693-0024-13-offshore





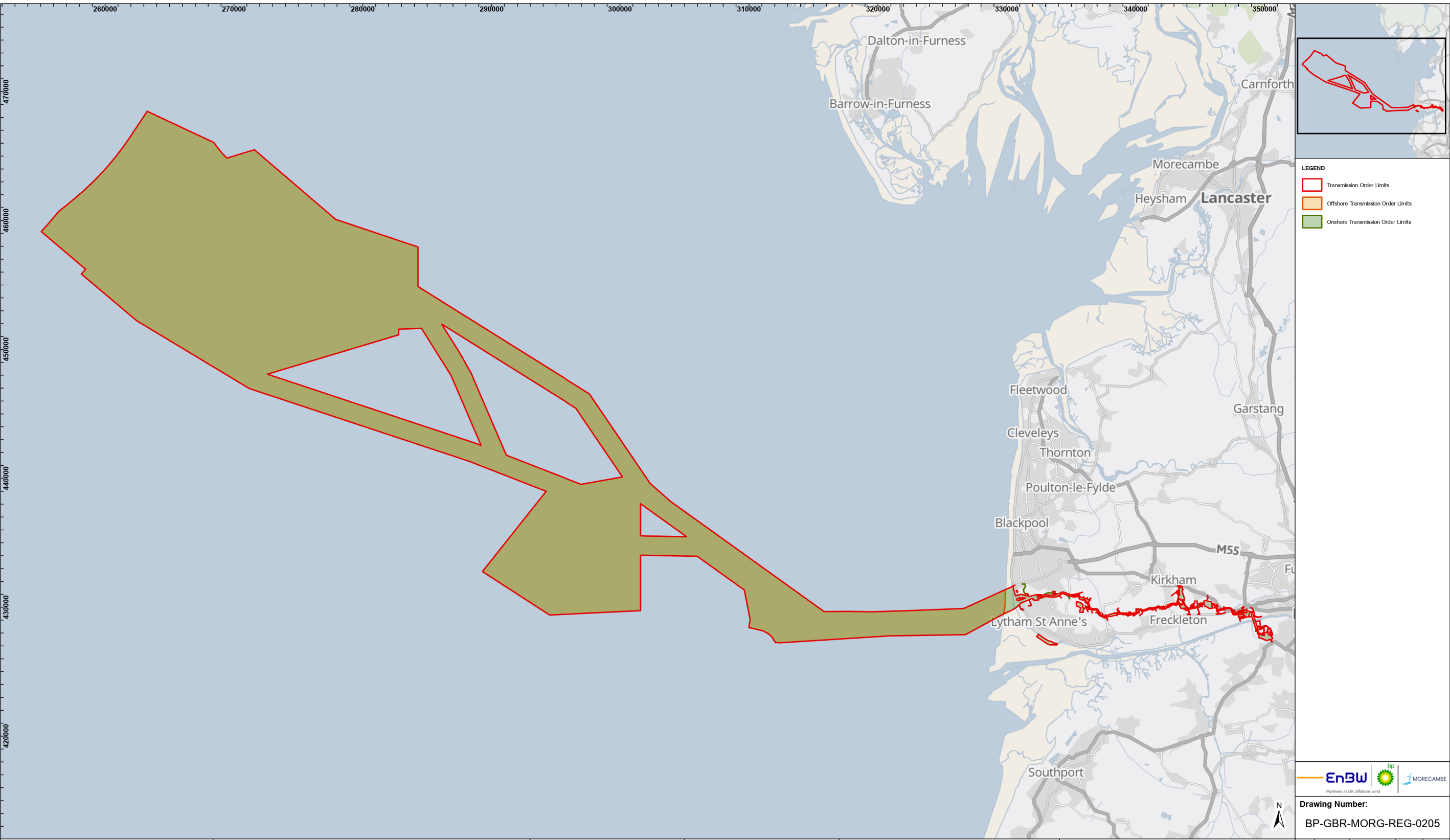
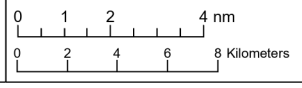


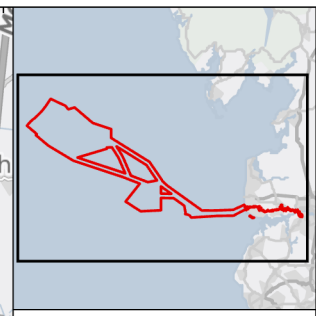
FIGURE 3.1 TRANSMISSION ASSETS ORDER LIMITS, OFFSHORE ORDER LIMITS AND ONSHORE ORDER LIMITS



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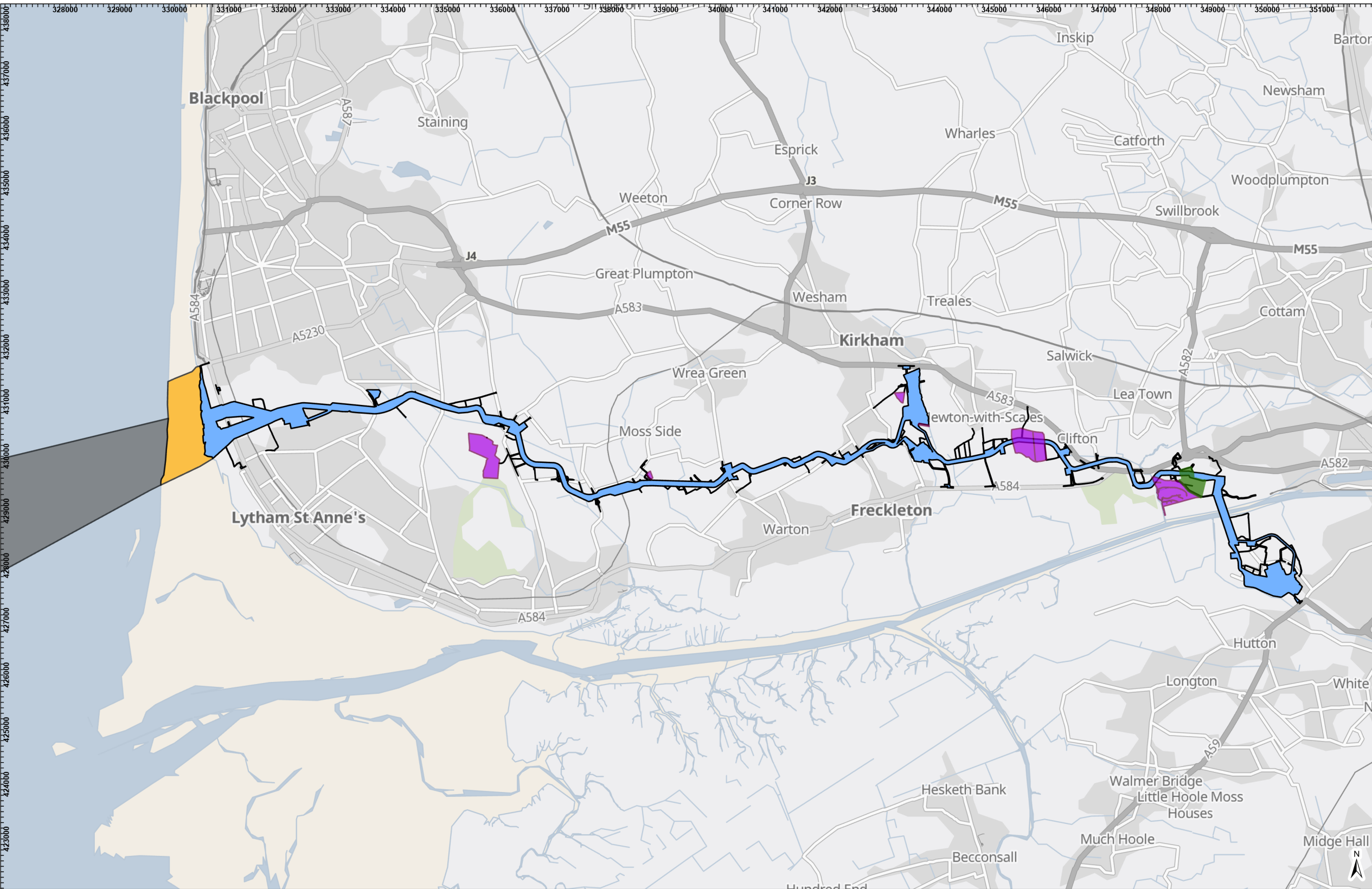
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- LEGEND**
- Transmission Order Limits
 - Offshore Transmission Order Limits
 - Onshore Transmission Order Limits

Drawing Number:
BP-GBR-MORG-REG-0205



Lancaster

Preston

Manchester

Liverpool

LEGEND

Biodiversity Benefit Only Areas

Environmental Mitigation Only Areas

Offshore Permanent Infrastructure Area

Intertidal Infrastructure Area

Onshore Infrastructure Area

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MORECAMBE

Drawing Number:

BP-GBR-MORG-REG-0206

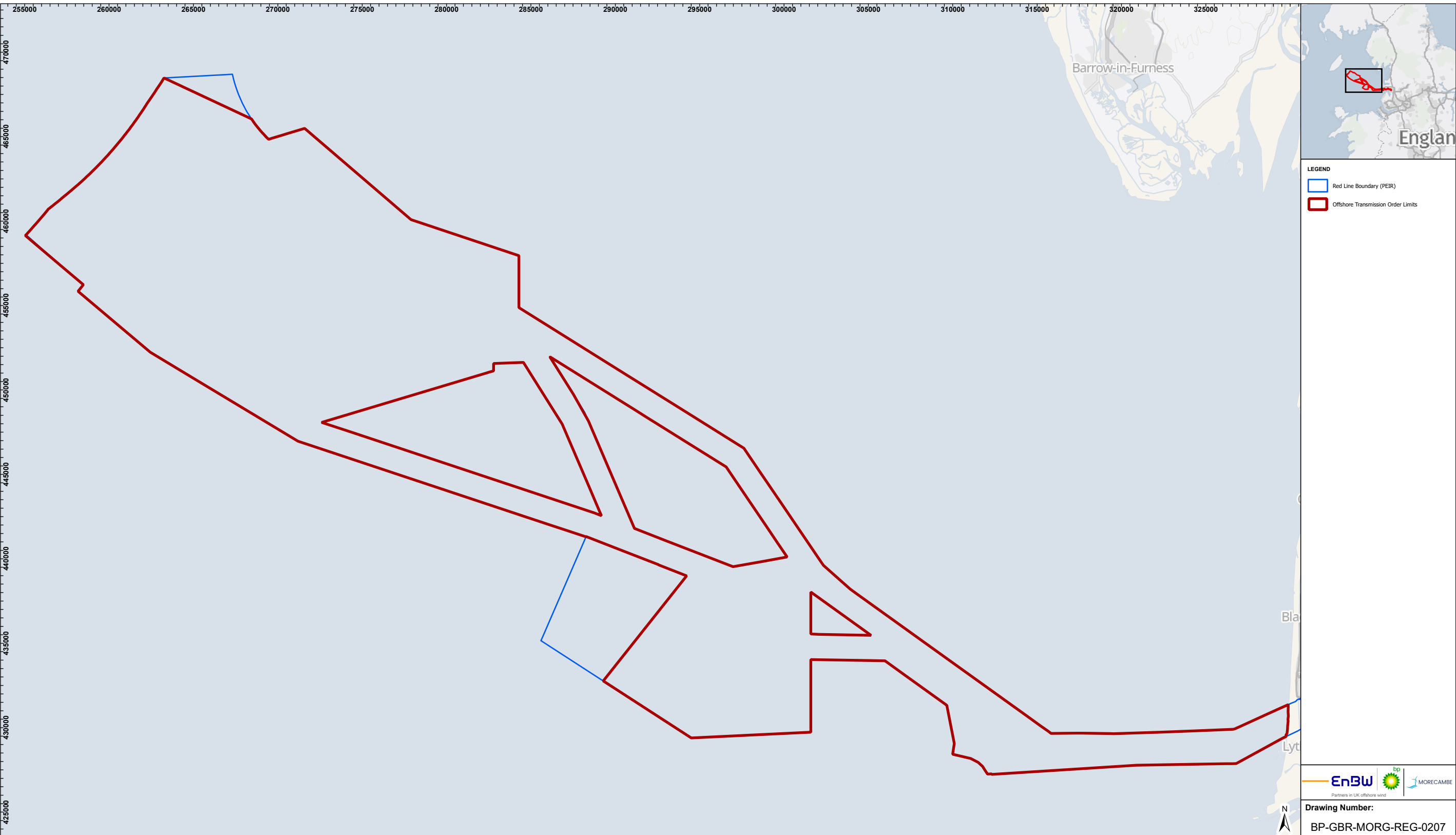
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MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.2 TRANSMISSION ASSETS INTERTIDAL INFRASTRUCTURE AREA, ONSHORE INFRASTRUCTURE AREA, ENVIRONMENTAL MITIGATION AND BIODIVERSITY BENEFIT ONLY AREAS

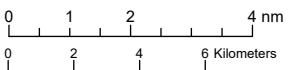
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MORGAN AND MORECAMBE OFFSHORE WIND FARMs: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.3 KEY OFFSHORE RED LINE BOUNDARY TO ORDER LIMITS CHANGES - PEIR TO DCO



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LEGEND

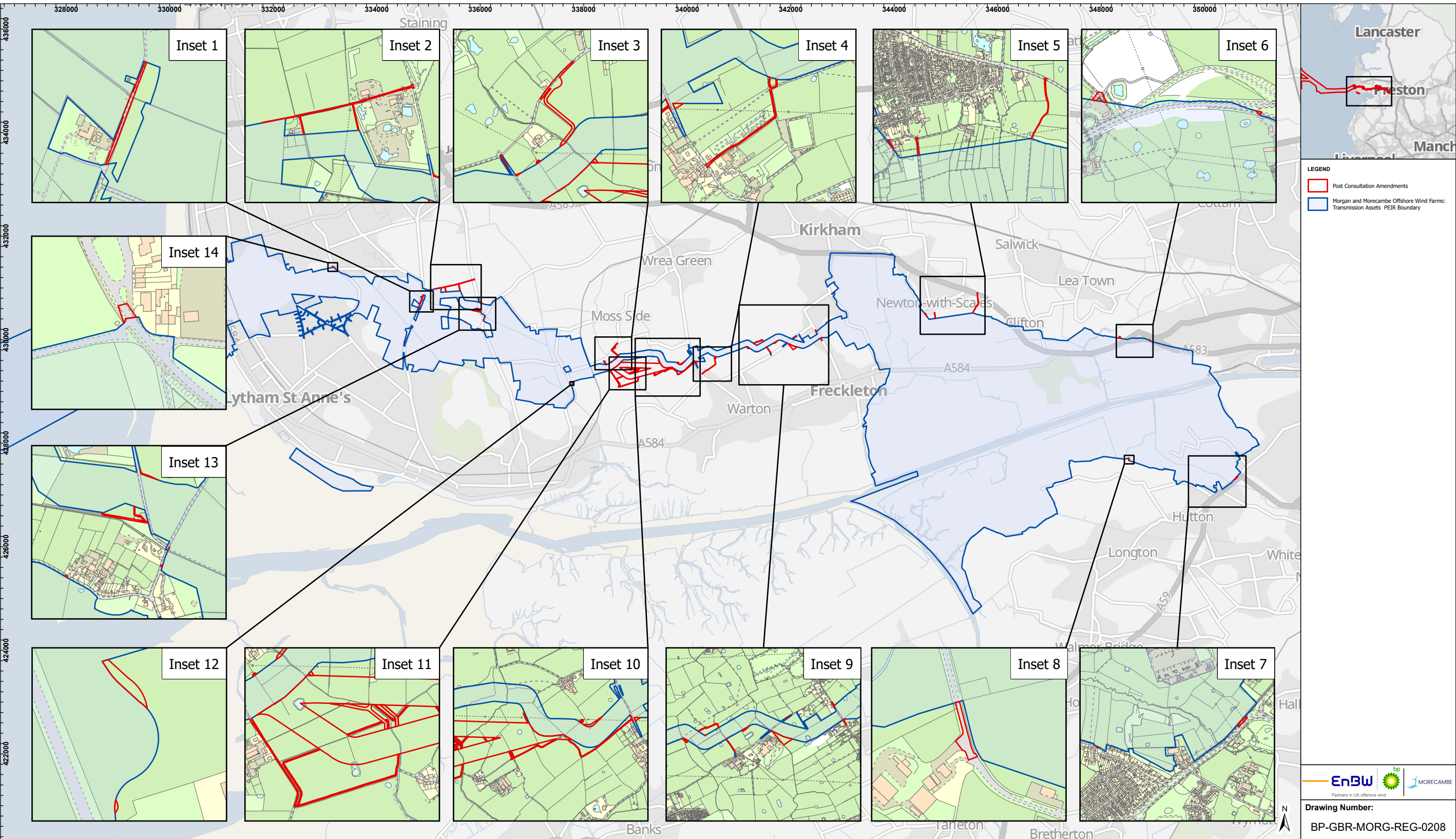
- Red Line Boundary (PEIR)
- Offshore Transmission Order Limits



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LEGEND

- Post Consultation Amendments
- Morgan and Morecambe Offshore Wind Farms:
- Transmission Assets
- PEIR Boundary



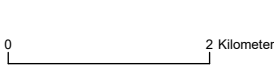
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MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

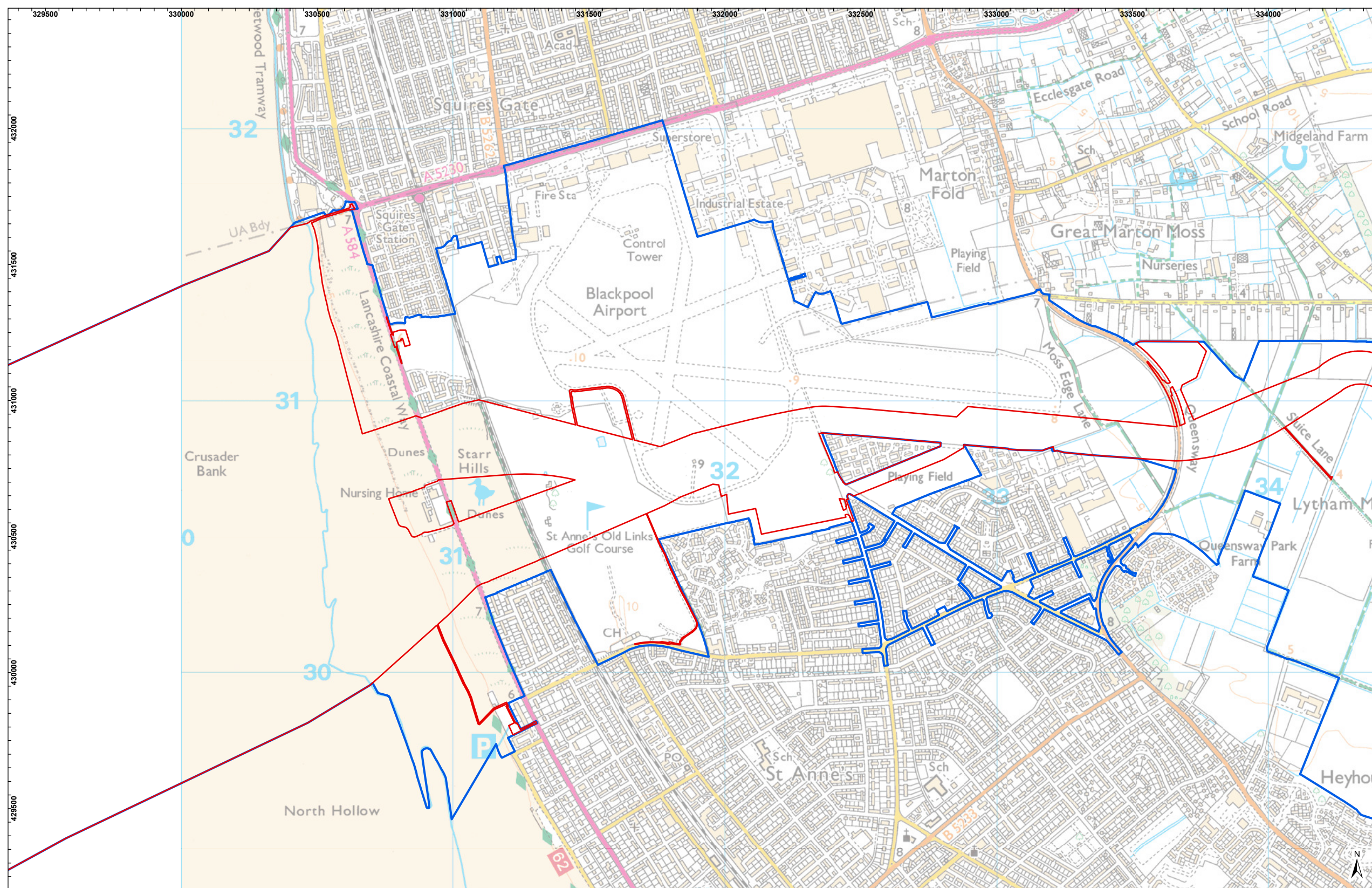
FIGURE 3.4 SUMMARY OF CHANGES SUBJECT TO THE 2024 TARGETED CONSULTATION



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Projection: British National Grid
Scale@379mmx231mm: 1:75,000

Figure 3.4

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LEGEND

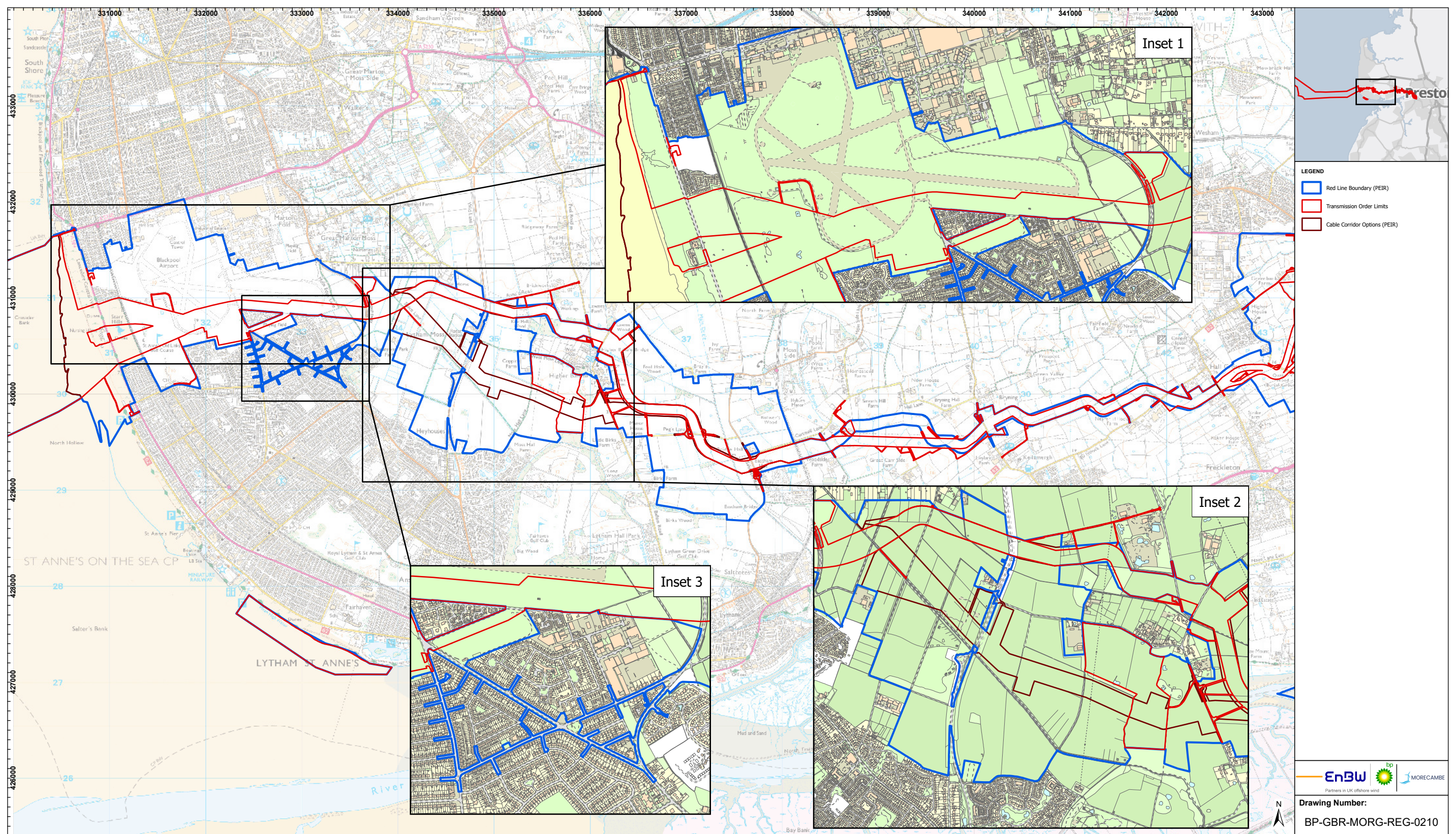
- Red Line Boundary (PEIR)
- Transmission Order Limits

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- LEGEND
- Red Line Boundary (PEIR)
 - Transmission Order Limits
 - Cable Corridor Options (PEIR)



Drawing Number:
BP-GBR-MORG-REG-0210

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01	26/09/24	DCO Final	GM	AS
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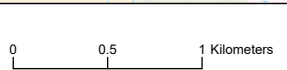
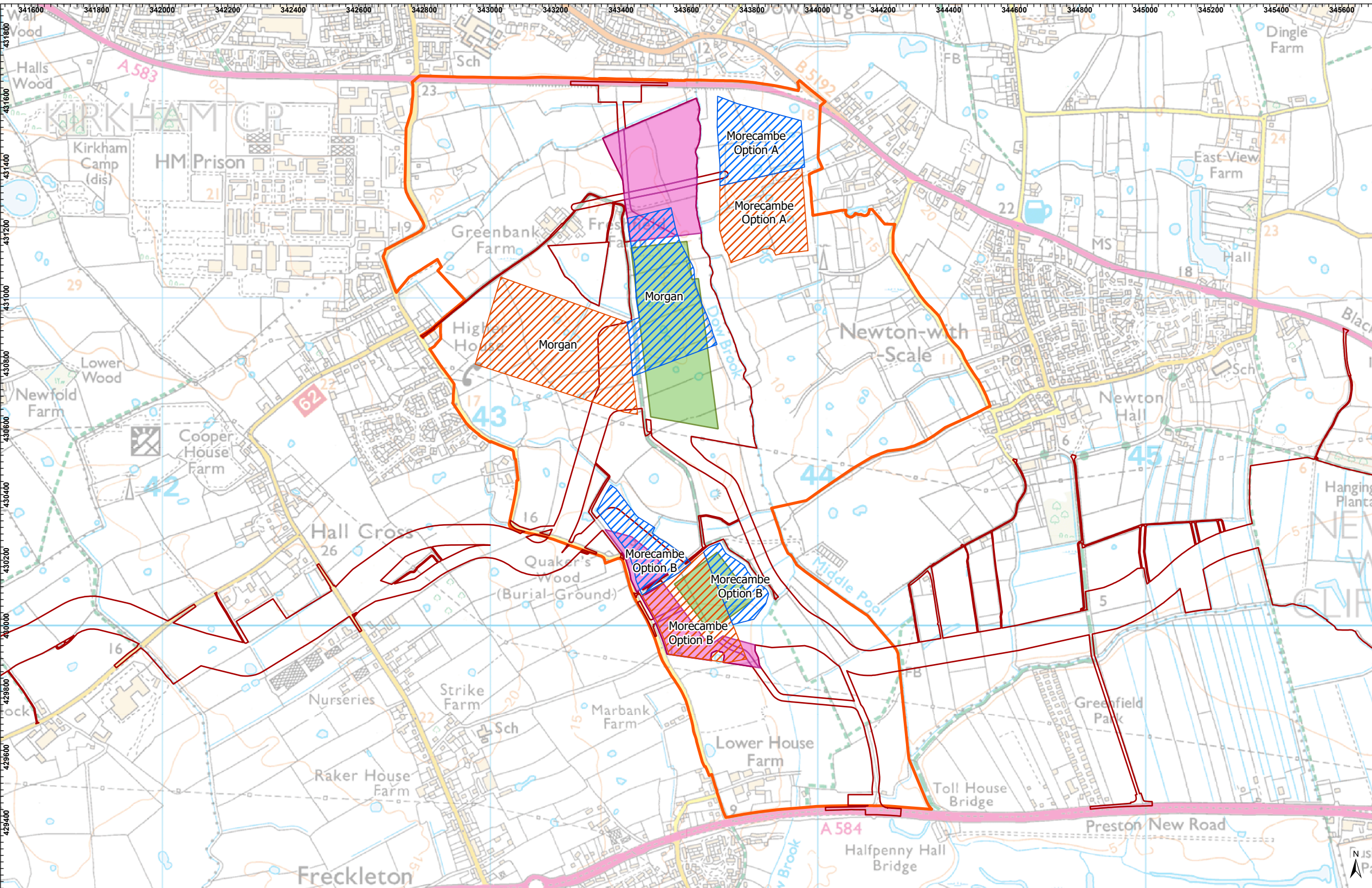


FIGURE 3.6 KEY ONSHORE EXPORT CABLE CORRIDOR CHANGES SINCE PUBLICATION OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT (PEIR)



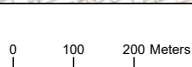
- LEGEND
- Transmission Order Limits
 - DCO Permanent Platform Area
 - DCO Temporary Substation Area
 - PEIR Permanent Compound
 - PEIR Temporary Compound
 - PEIR Substations Statutory Consultation Area



Drawing Number:
BP-GBR-MORG-REG-0211

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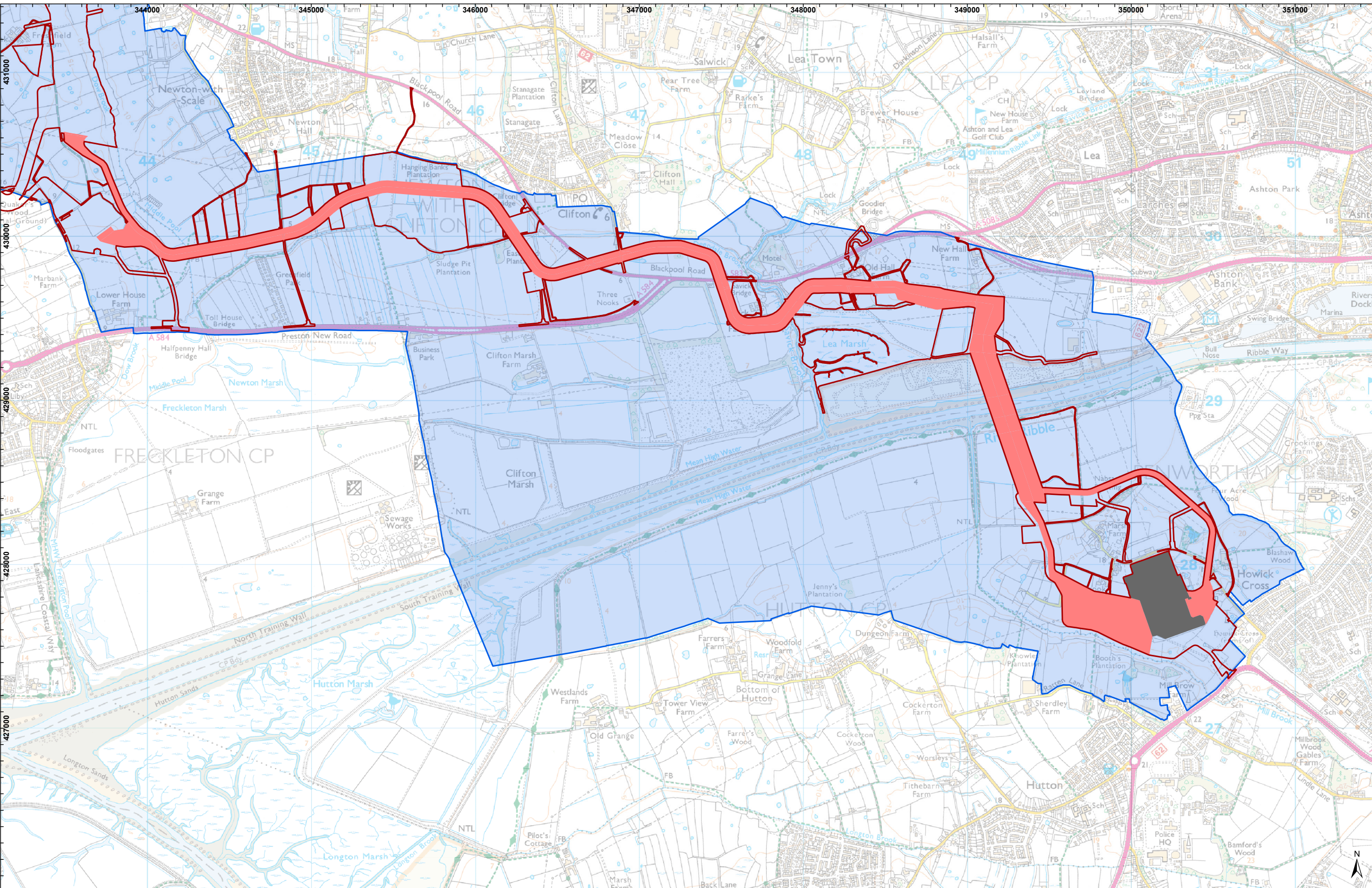
FIGURE 3.7 KEY CHANGES FOR THE ONSHORE SUBSTATIONS SINCE PUBLICATION OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT (PEIR)



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LEGEND

- Transmission Order Limits
- 400kV Grid Connection Cable Corridor Search Area
- 400kV Grid Connection corridor
- Overlapping National Grid Penwortham Substation Connection Works



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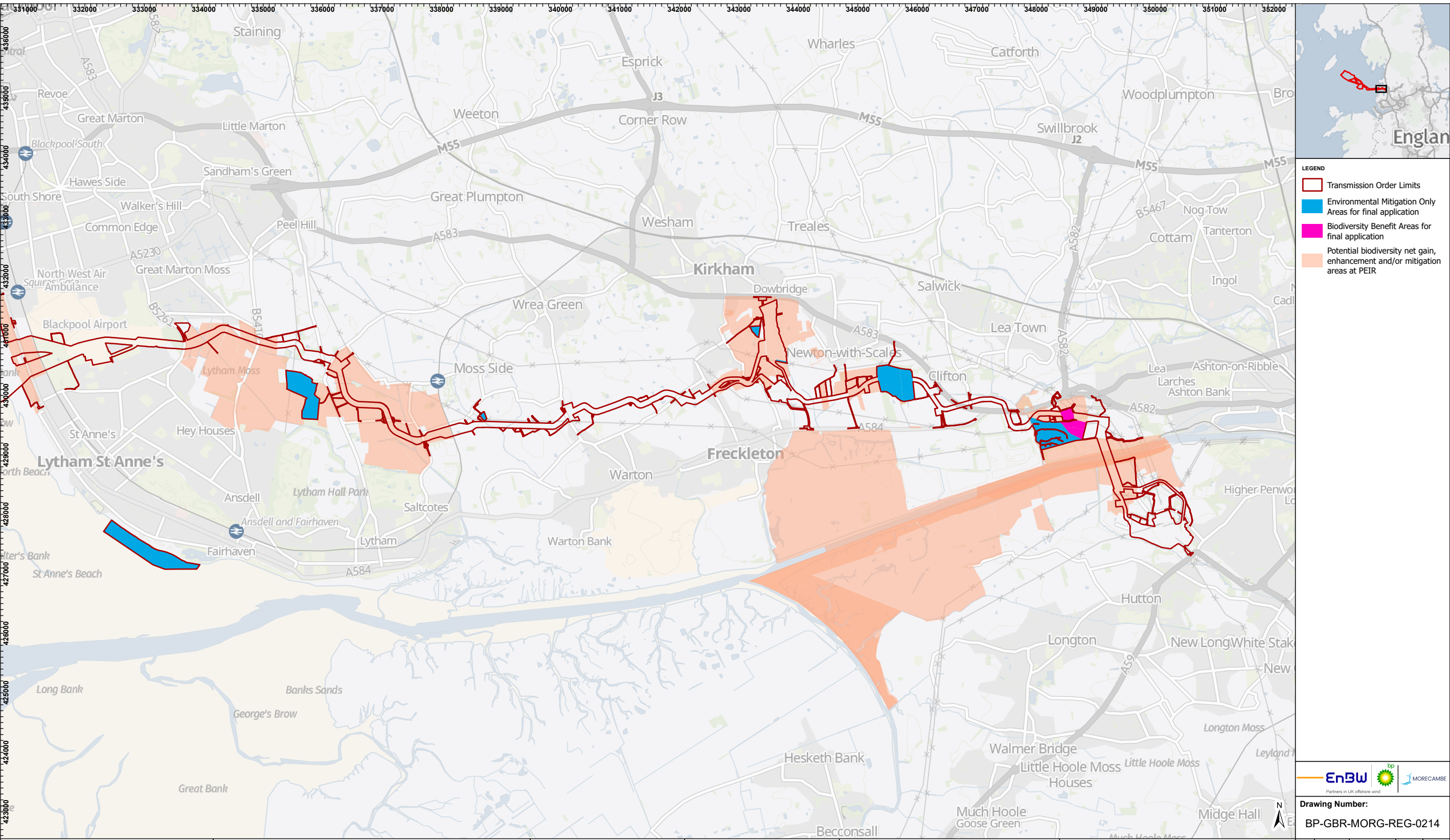
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.8 KEY CHANGES TO THE 400 kV GRID CONNECTION CABLE CORRIDOR SEARCH AREA SINCE PUBLICATION OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT (PEIR)

0 250 500 Meters

Geodetic Information:
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Projection: British National Grid
Scale@379mmx231mm: 1:25,000

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LEGEND

- Transmission Order Limits
- Environmental Mitigation Only Areas for final application
- Biodiversity Benefit Areas for final application
- Potential biodiversity net gain, enhancement and/or mitigation areas at PEIR

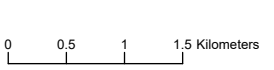


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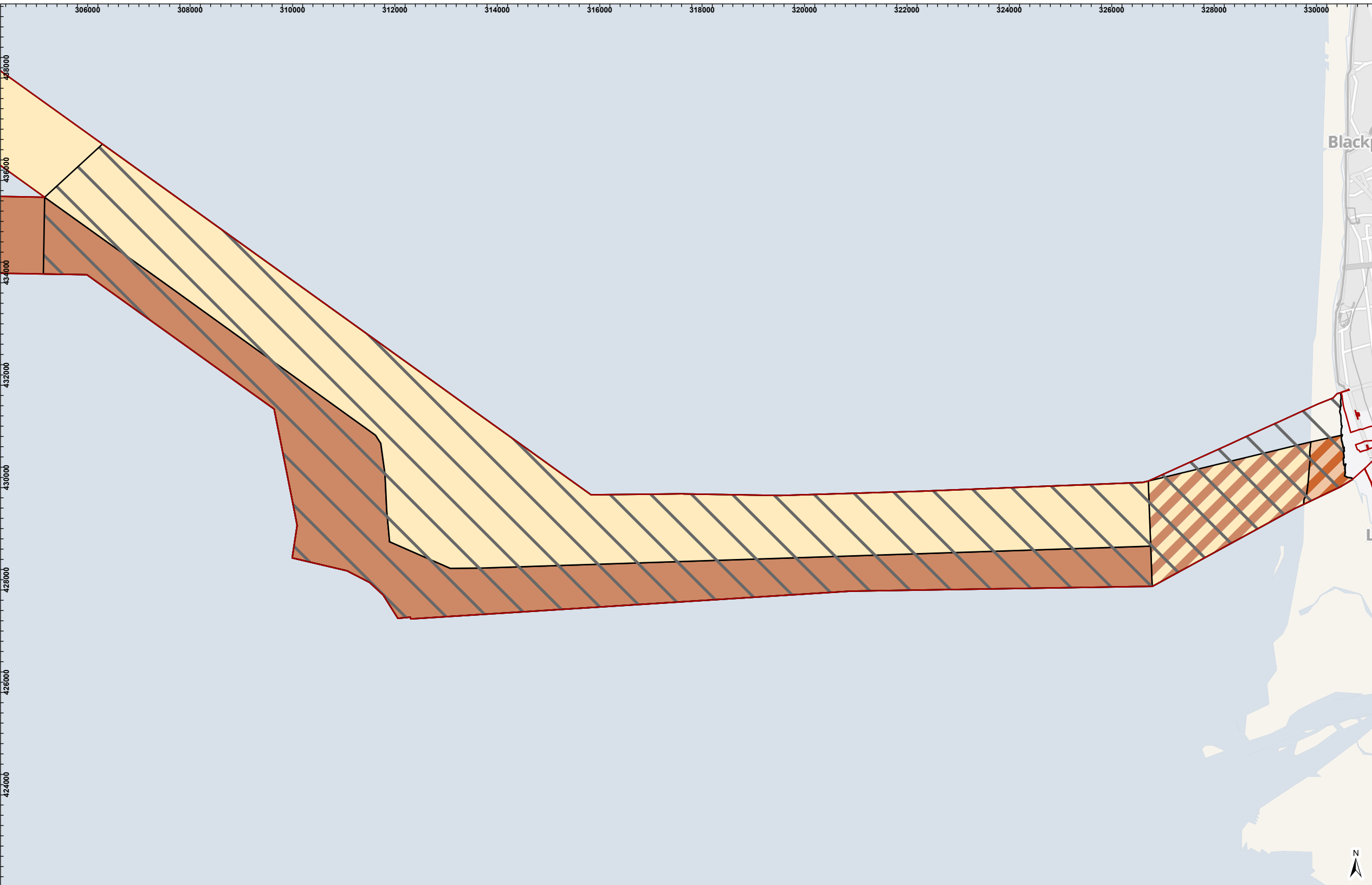
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.9 KEY CHANGES TO THE POTENTIAL BIODIVERSITY NET GAIN, ENHANCEMENT AND/OR NET GAIN AREAS SINCE PUBLICATION OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT (PEIR)



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LEGEND

Transmission Order Limits

Offshore Transmission Works Plan Areas

- 1A
- 1B
- 2A2B
- 3A3B
- 4A4B



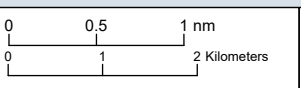
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MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

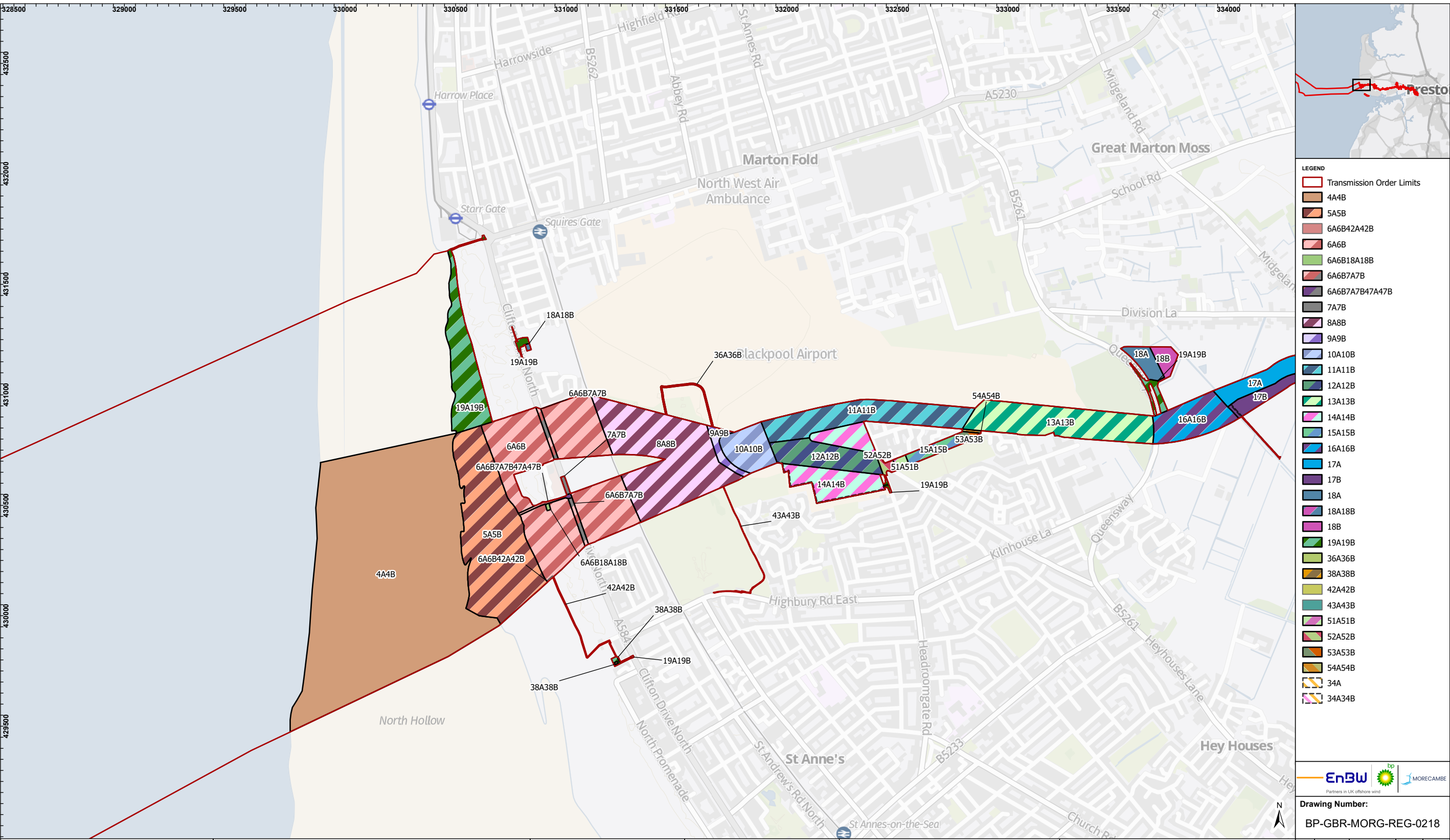
FIGURE 3.10 OFFSHORE AND INTERTIDAL OVERLAPPING WORKS AREAS



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FIGURE 3.11 'OVERLAPPING' WORKS AREAS FROM MEAN HIGH WATER SPRING (MHWS) TO QUEENSWAY (B5261)

0100200300400500Meters

Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:17,500

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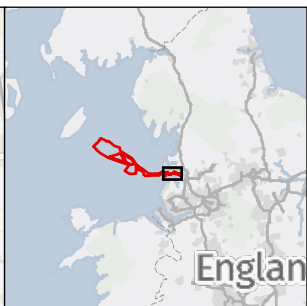
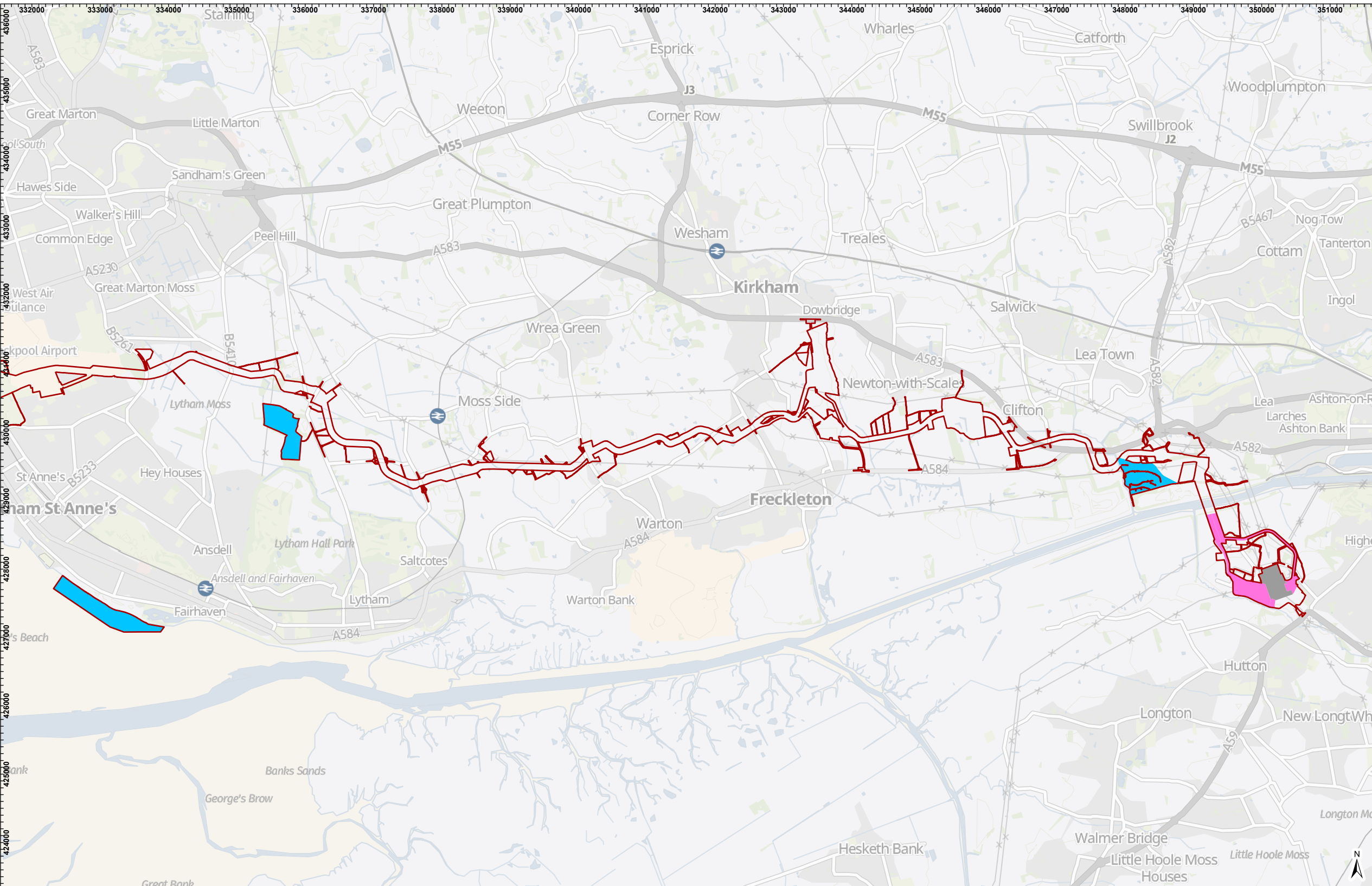
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Drawing Number:
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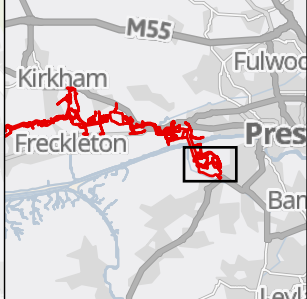
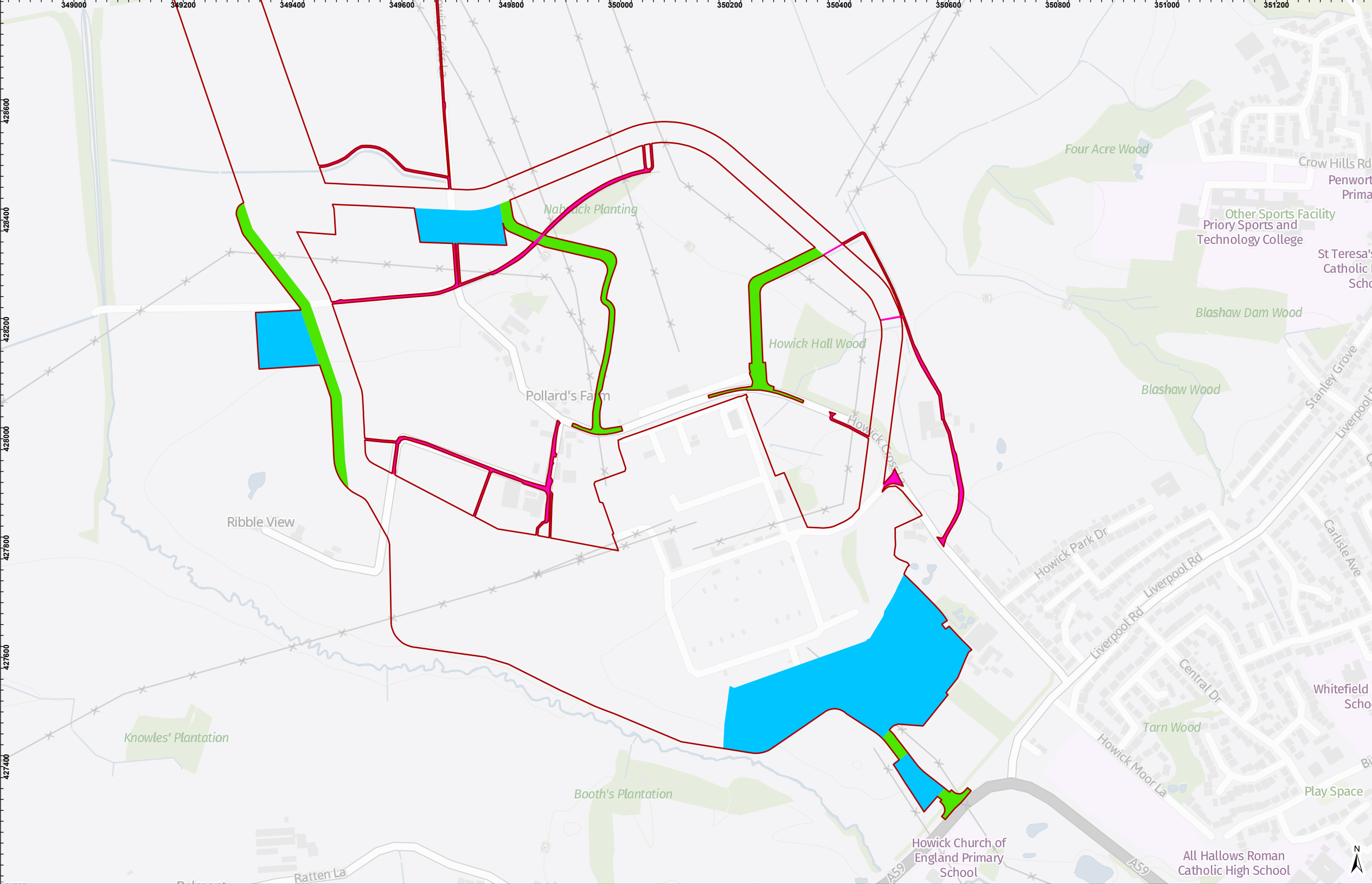


LEGEND

- Transmission Order Limits
- Overlapping 400kV Grid Connection Works
- Overlapping National Grid Substation Connection Works
- Overlapping Biodiversity, net gain and mitigation only Works



Drawing Number:
BP-GBR-MORG-REG-0216



LEGEND

- Transmission Order Limits
- Overlapping Temporary Construction Compound
- Overlapping Temporary Construction Access
- Overlapping Operational Access Track



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Drawing Number:
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MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.13 EXAMPLES OF OVERLAPPING TEMPORARY CONSTRUCTION COMPOUNDS, TEMPORARY CONSTRUCTION ACCESSES AND PERMANENT OPERATIONAL ACCESSES

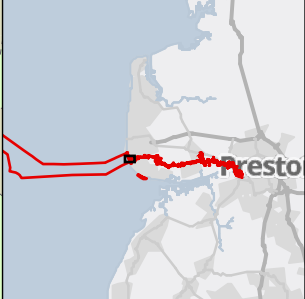
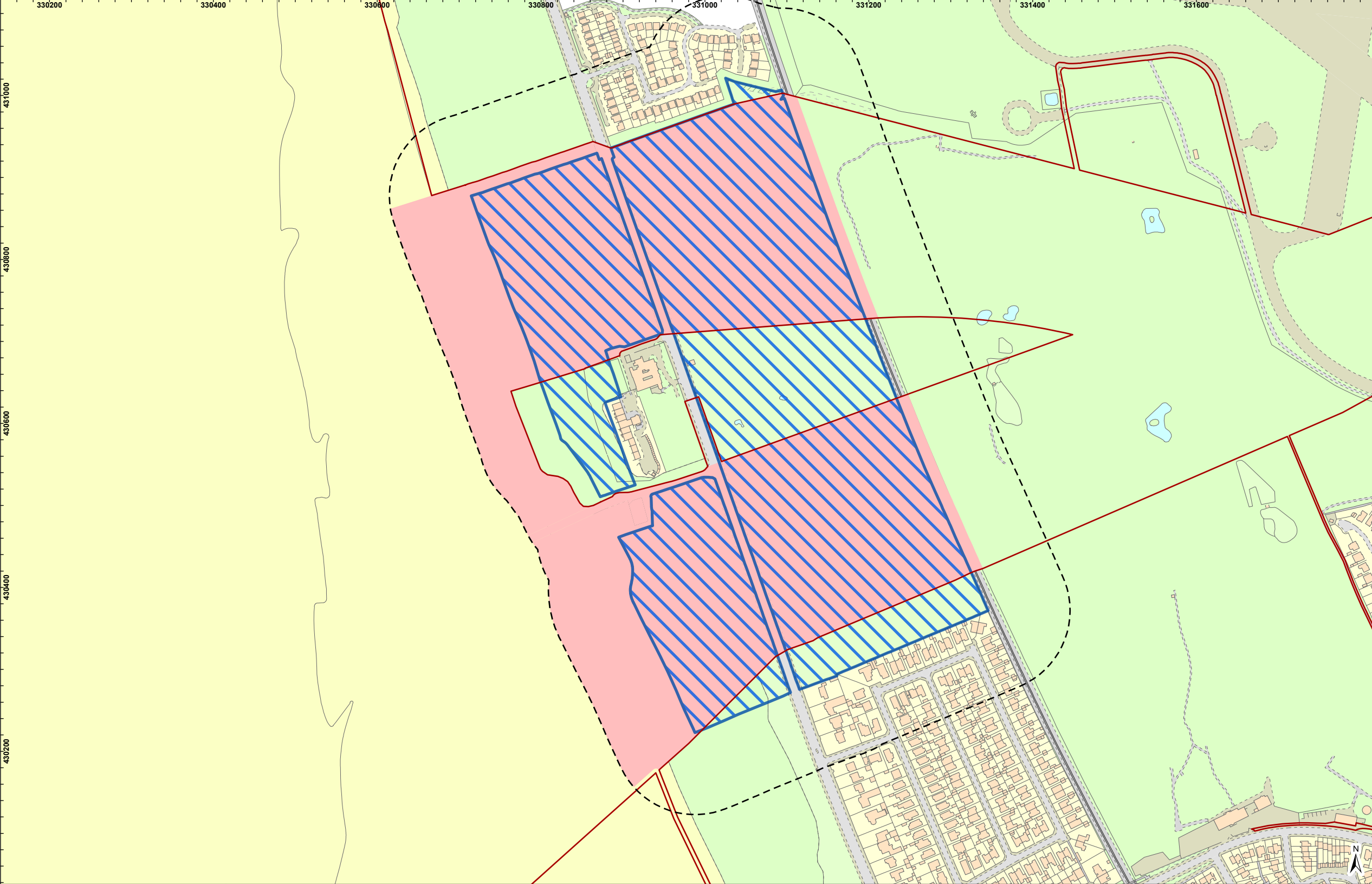


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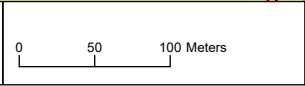
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- LEGEND
- Transmission Order Limits
 - Works Area 6A6B
 - Lytham St. Annes Dunes SSSI
 - 100m Buffer of Lytham St. Annes Dunes SSSI

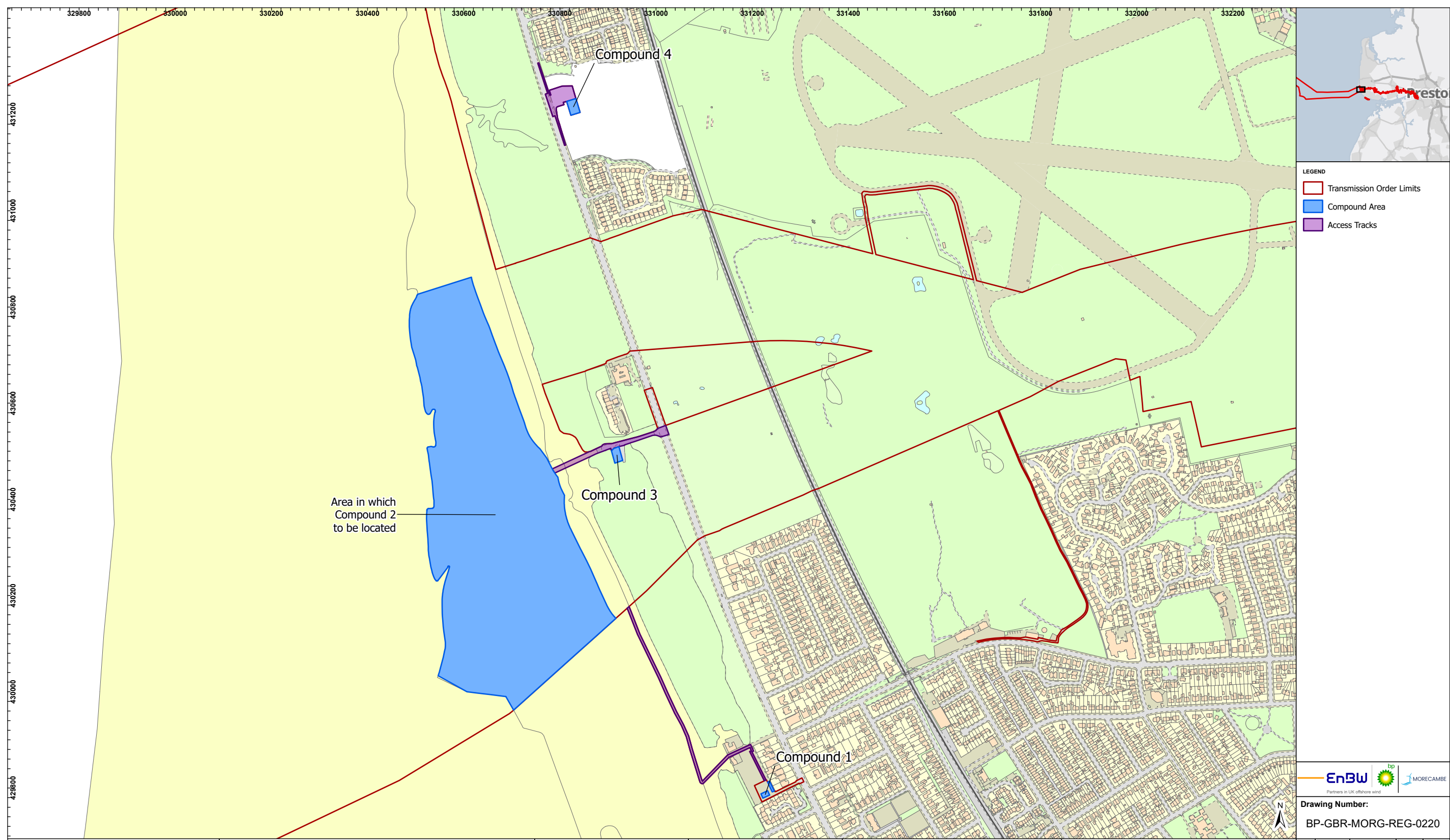




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LEGEND

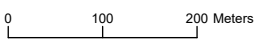
- Transmission Order Limits
- Compound Area
- Access Tracks



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Drawing Number:
BP-GBR-MORG-REG-0220

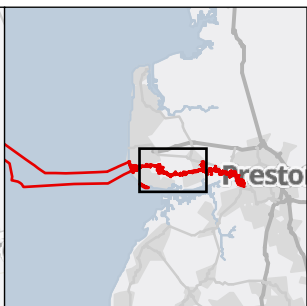
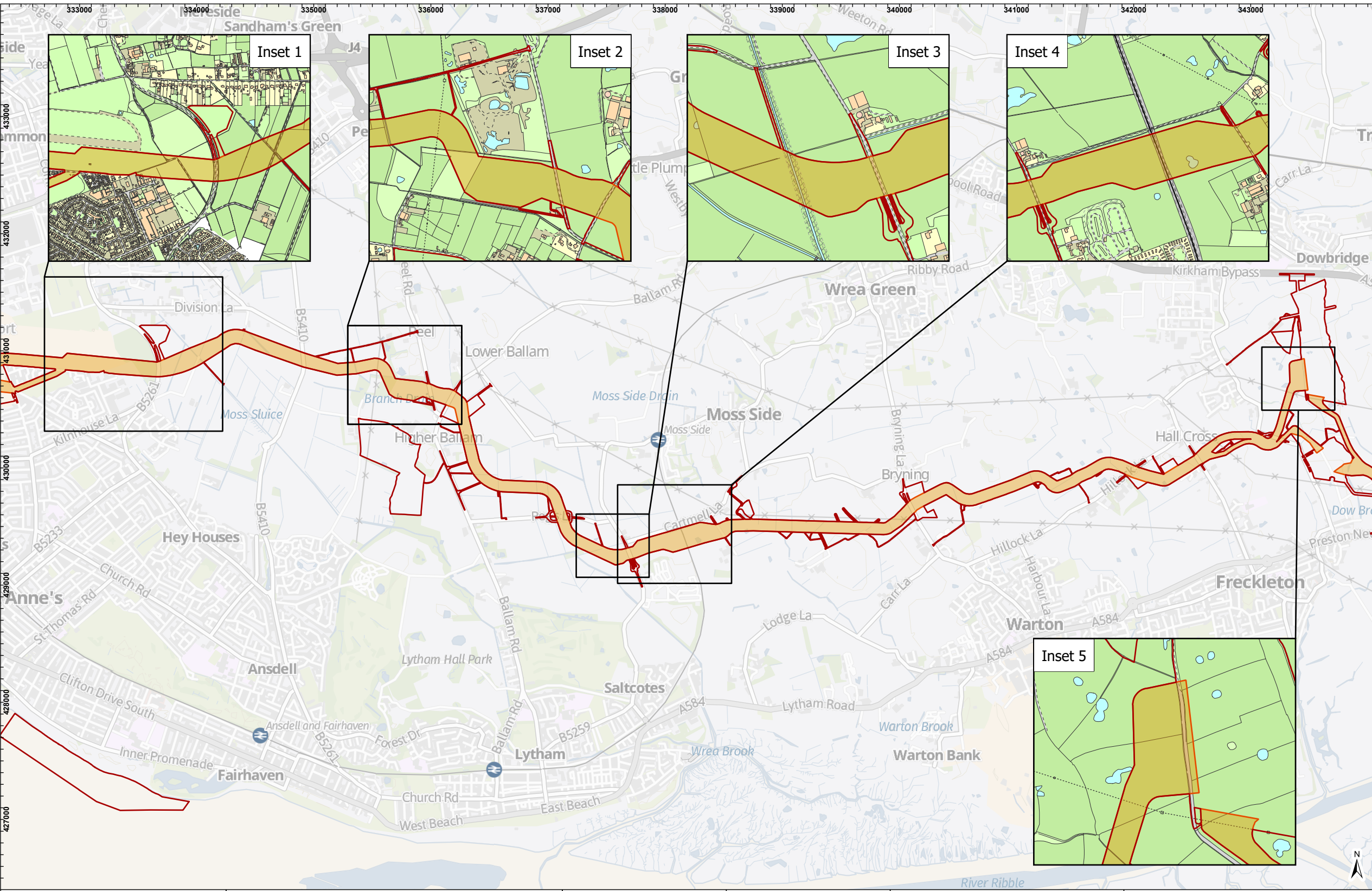
FIGURE 3.15 LANDFALL COMPOUND AREAS



0 100 200 Meters

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Scale@379mmx231mm: 1:8,000

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LEGEND

- Transmission Order Limits
- Onshore Export Cable Corridor for final application

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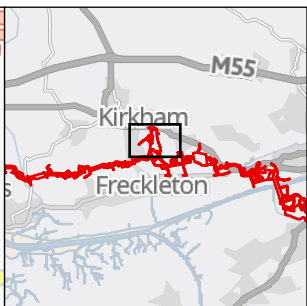
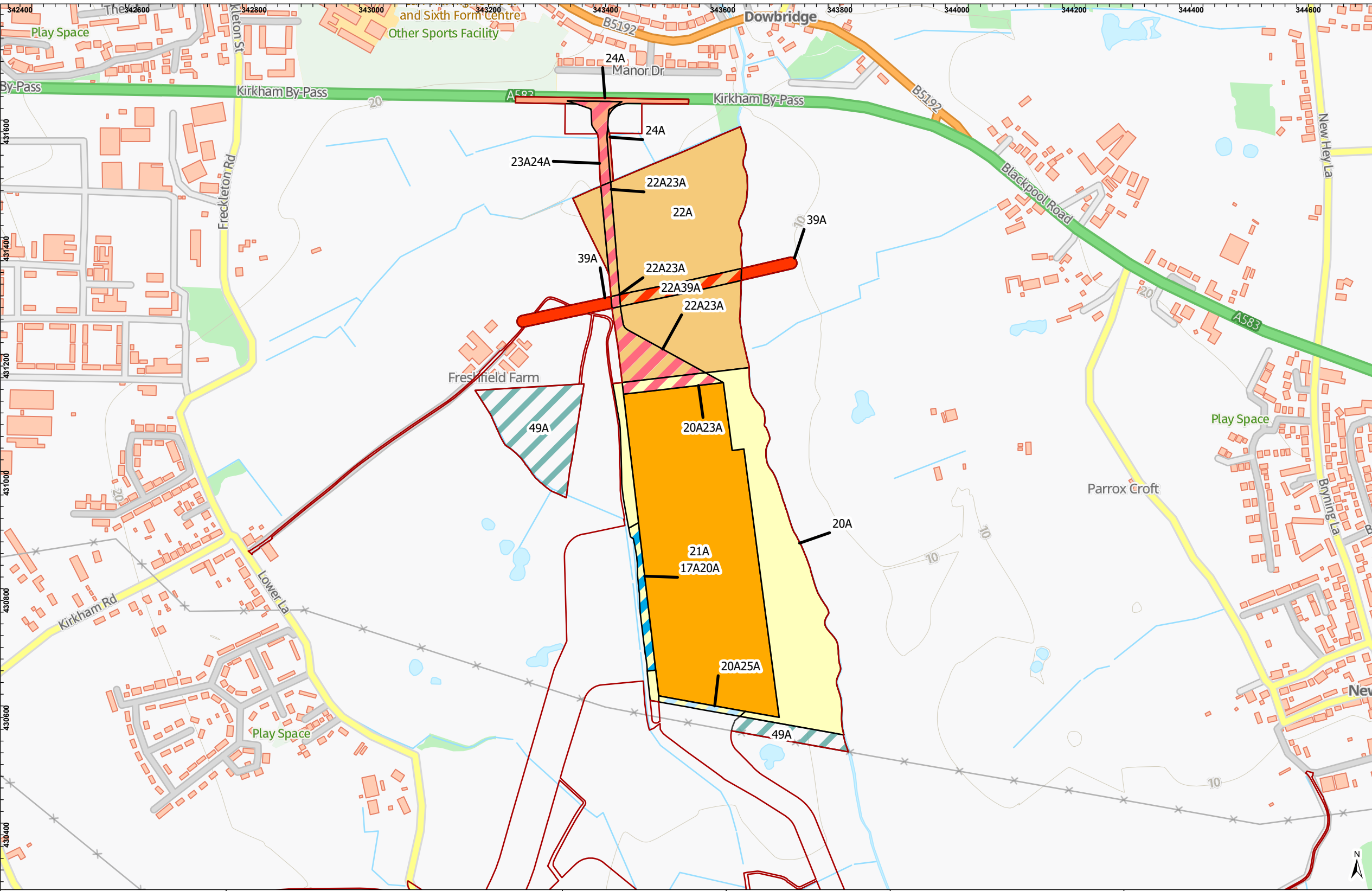
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.16 AREAS ALONG THE ONSHORE EXPORT CABLE CORRIDOR WHICH DEVIATE FROM THE TYPICAL MAXIMUM WIDTH

0 500 1,000 Meters

Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:35,000

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LEGEND	
	Transmission Order Limits
	17A20A
	20A
	20A23A
	20A25A
	21A
	22A
	22A23A
	23A24A
	24A
	39A
	22A39A



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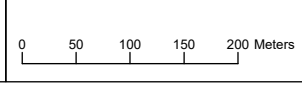
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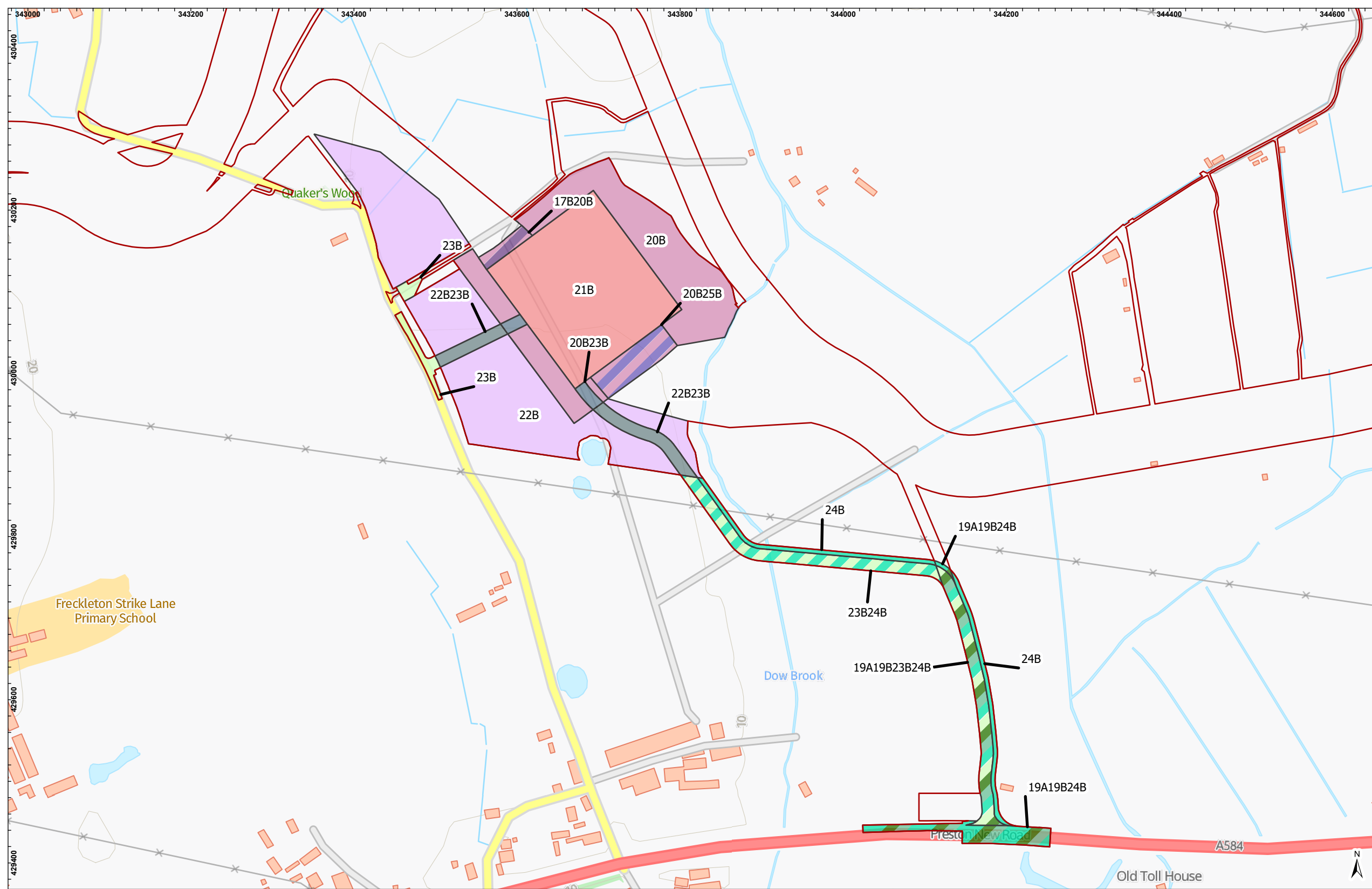
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FIGURE 3.17 - MORGAN ONSHORE SUBSTATION AREAS



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Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:7,000

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LEGEND

Transmission Order Limits

Work Plan Areas

- 17B20B
- 20B
- 20B23B
- 20B25B
- 21B
- 22B
- 22B23B
- 23B
- 23B24B
- 24B
- 19A19B23B24B
- 19A19B24B



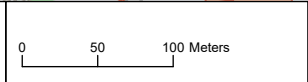
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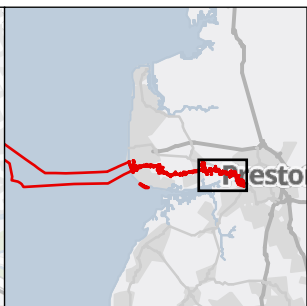
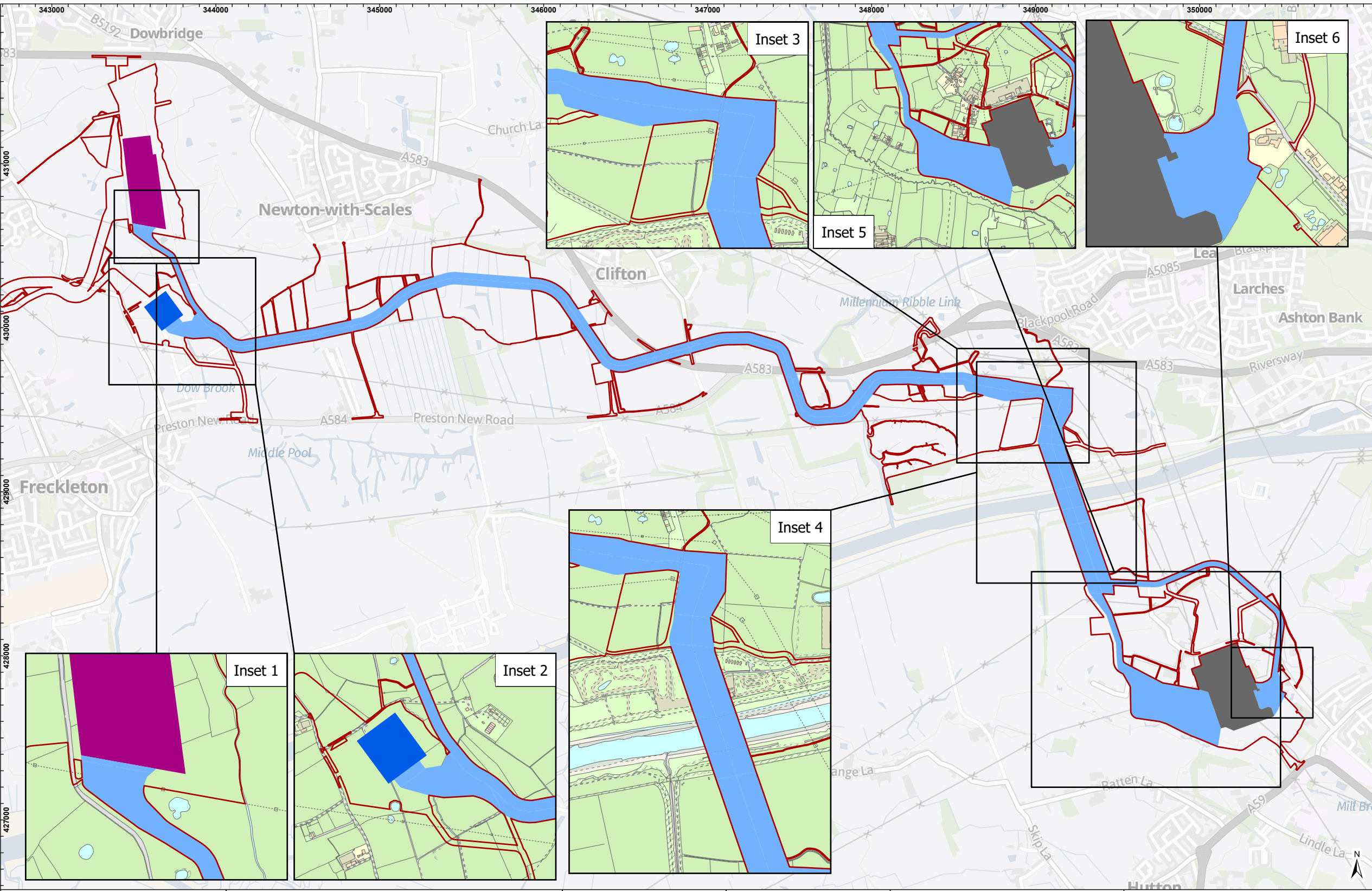
FIGURE 3.18 MORECAMBE ONSHORE SUBSTATION AREAS



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Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:5,000

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- LEGEND
- Transmission Order Limits
 - 400kV Grid
 - Connection corridor
 - Morgan Substation
 - Morecambe Substation
 - Shared National Grid Penwortham Substation
 - Connection Works

MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.19 AREAS ALONG THE 400KV GRID CONNECTION CABLE CORRIDOR WHICH DEVIATE FROM THE TYPICAL MAXIMUM WIDTH

0250500Meters

Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:25,000

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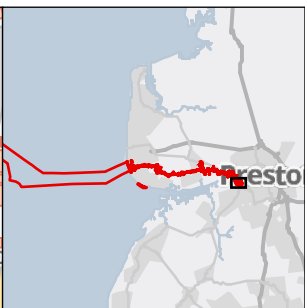
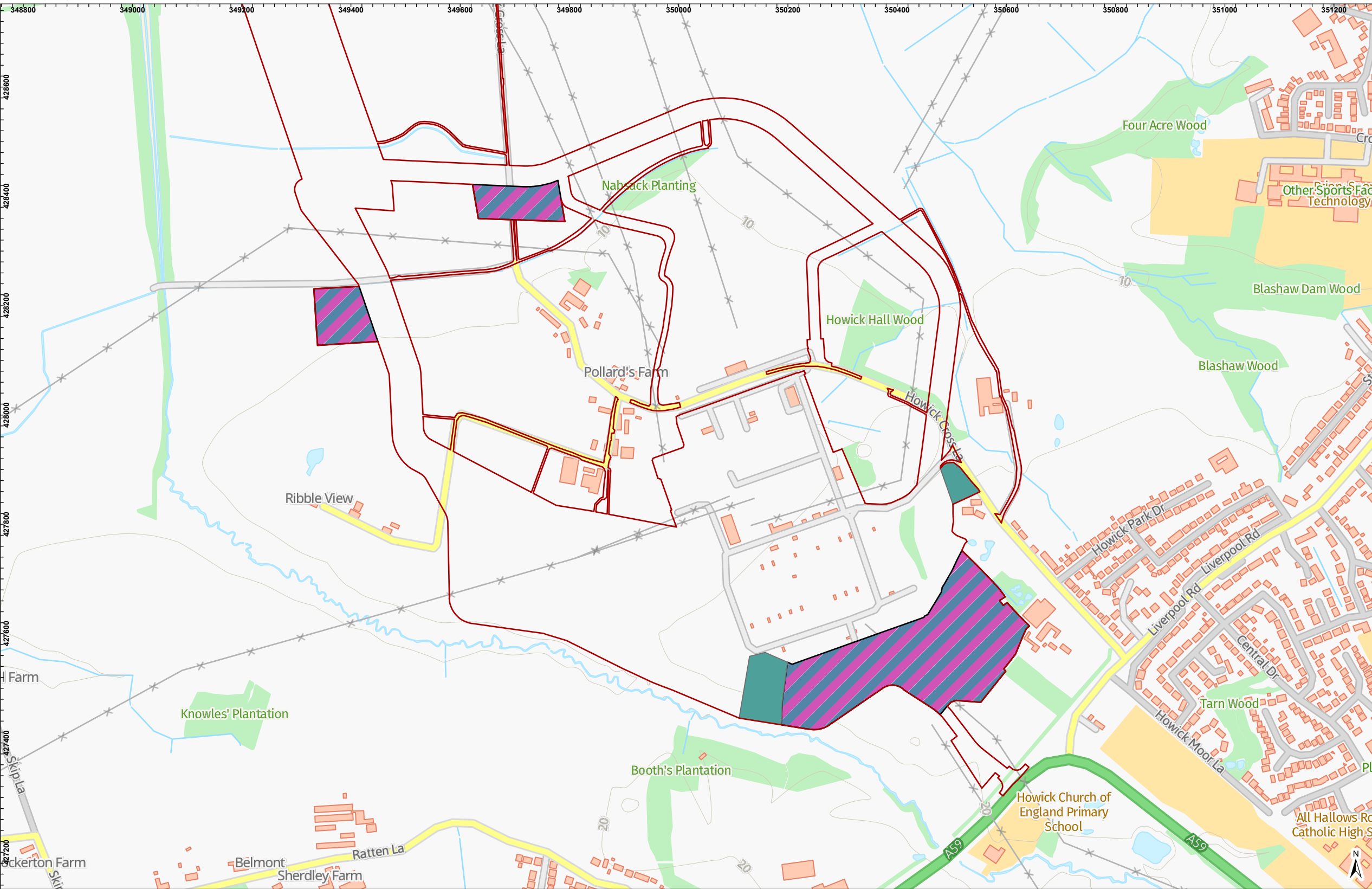
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Drawing Number:
BP-GBR-MORG-REG-0224

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LEGEND

Transmission Order Limits

Work Plan Areas

- 18A18B
- 48A48B

MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS PROJECT DESCRIPTION

FIGURE 3.20 TEMPORARY COMPOUND AREAS ADJACENT TO NATIONAL GRID ELECTRICITY TRANSMISSION SUBSTATION, PENWORTHAM

0 50 100 150 200 Meters

Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:7,500

Service Layer Credits: GB Cartographic Local Names: Contains OS data © Crown Copyright and database right 2022
Contains data from OS Zoomstack
GB Background: Contains OS data © Crown Copyright and database right 2022
Contains data from OS Zoomstack

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BP-GBR-MORG-REG-0225

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