

## Chapter 2 Description of the Proposed Scheme

**Figure 2.1 Zoning Plan**

**Figure 2.2 Proposed Onshore Scheme**

**Figure 2.3 Proposed Onshore Scheme Crossing Points**

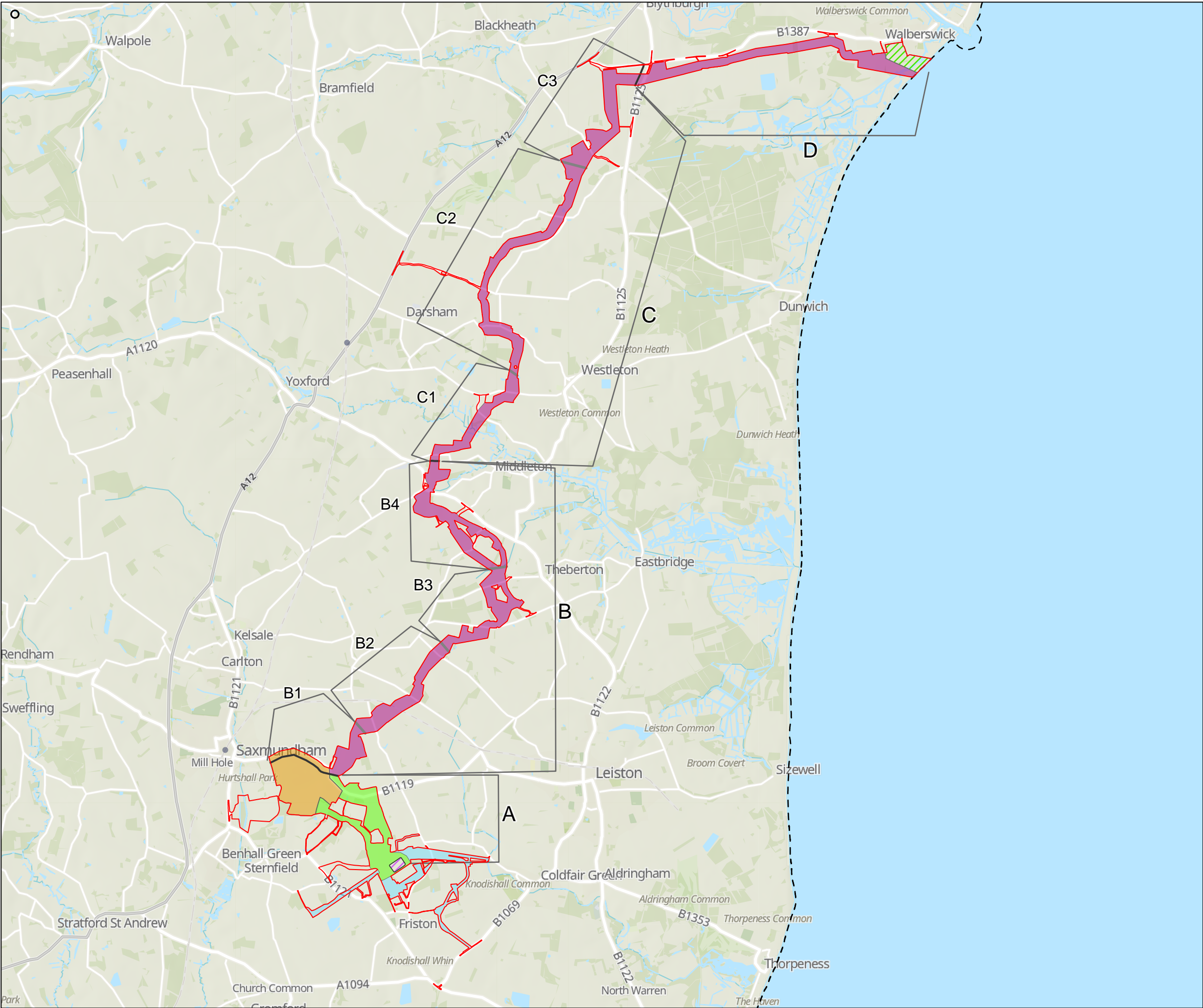
**Figure 2.4 Proposed Offshore Scheme**

**Figure 2.5a to f Proposed Offshore Scheme KP 0 to KP 180**

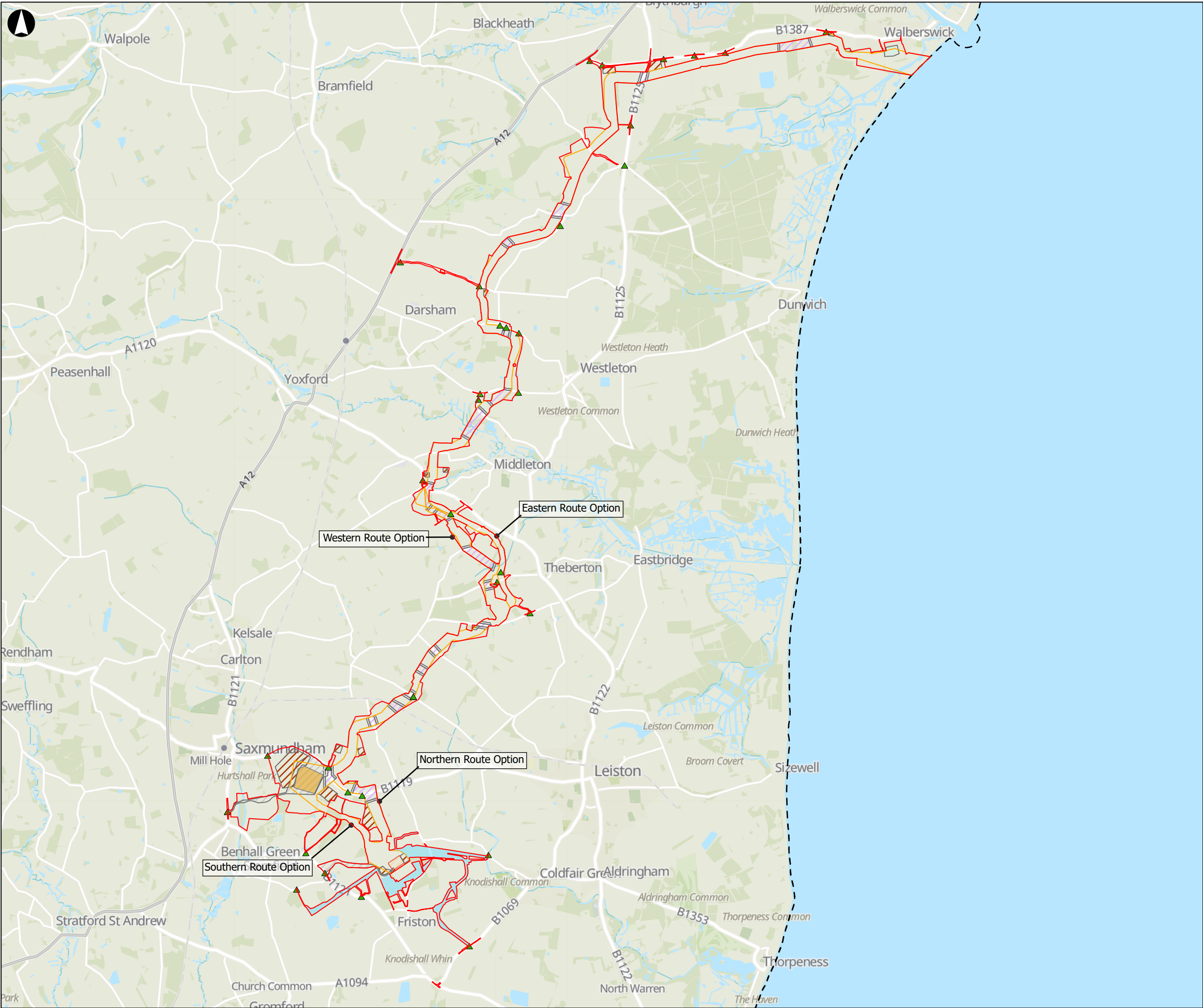
**Figure 2.6 Sand wave pre-sweeping and disposal areas within Proposed Offshore Scheme**

**Figure 2.7 Infrastructure crossings within Proposed Offshore Scheme**

**Figure 2.8 Horizontal Directional Drilling Cable Landfall**







- Proposed Onshore Scheme Draft Order Limits
- Mean Low Water Springs
- Full Build-out of Kiln Lane Substation Scenario
- Kiln Lane Substation Limits of Deviation
- Converter Station Limits of Deviation
- Cable Route Limit of Deviation
- Proposed Bellmouth
- Landfall Construction Compound
- Proposed Trenchless Installation
- Temporary Construction Compound

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ARUP

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www.arup.com

Client

National Grid LionLink Limited (NGLLL)

Project Name

LIONLINK

Drawing Title

Figure 2.2 Proposed Onshore Scheme - Overview

Scale at A3

1:60,000

Role

Environment

Suitability

S2

Project Number

287334-00

Rev

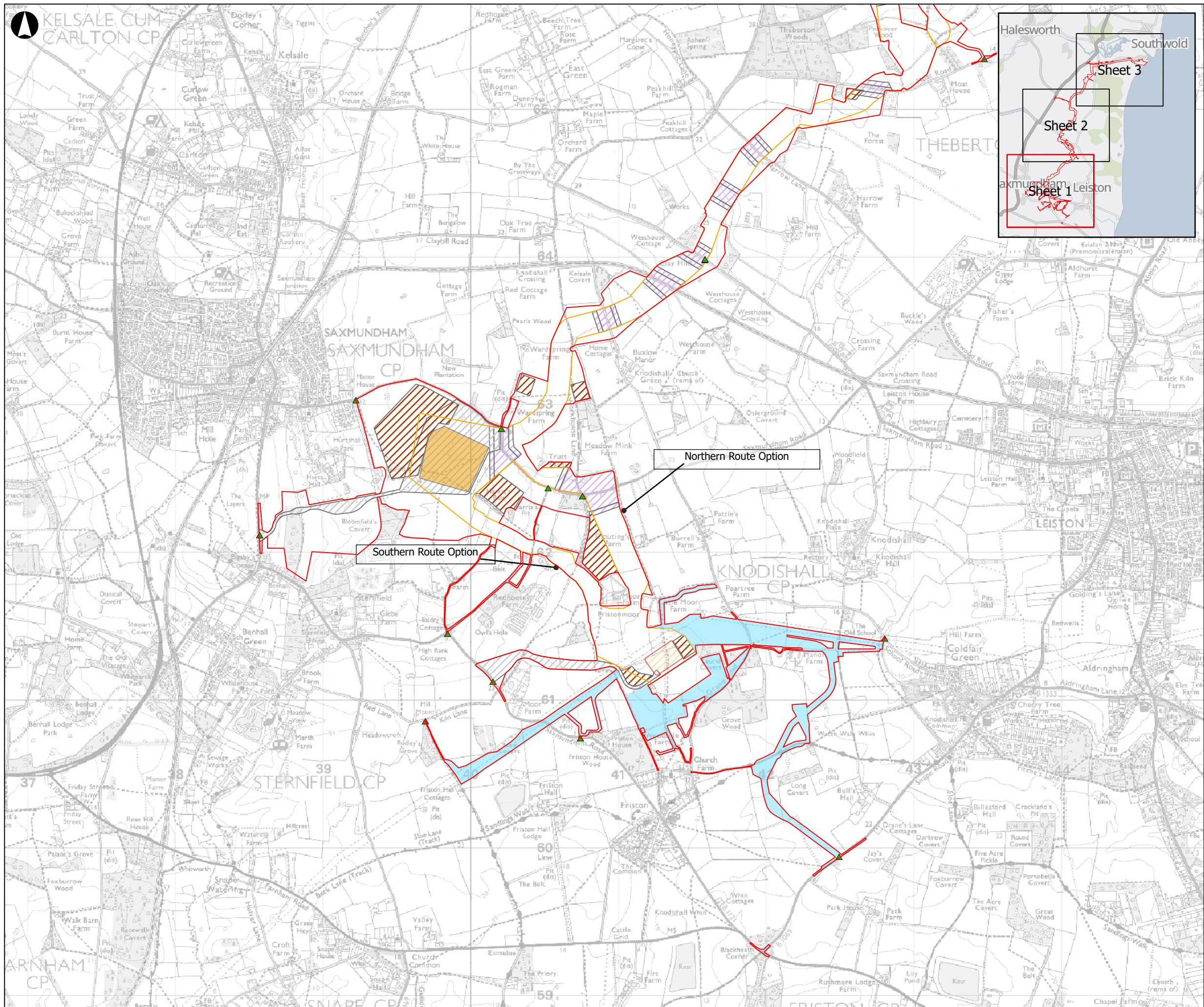
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Drawing Number

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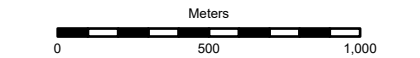
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- Proposed Onshore Scheme Draft Order Limits
- Full Build-out of Kiln Lane Substation Scenario
- Kiln Lane Substation Limits of Deviation
- Converter Station Limits of Deviation
- Cable Route Limit of Deviation
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- Proposed Trenchless Installation
- Temporary Construction Compound

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Figure 2.2 Proposed Onshore Scheme  
- Sheet 1

Scale at A3

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Role

Environment

Suitability

S2

Project Number

287334-00

Rev

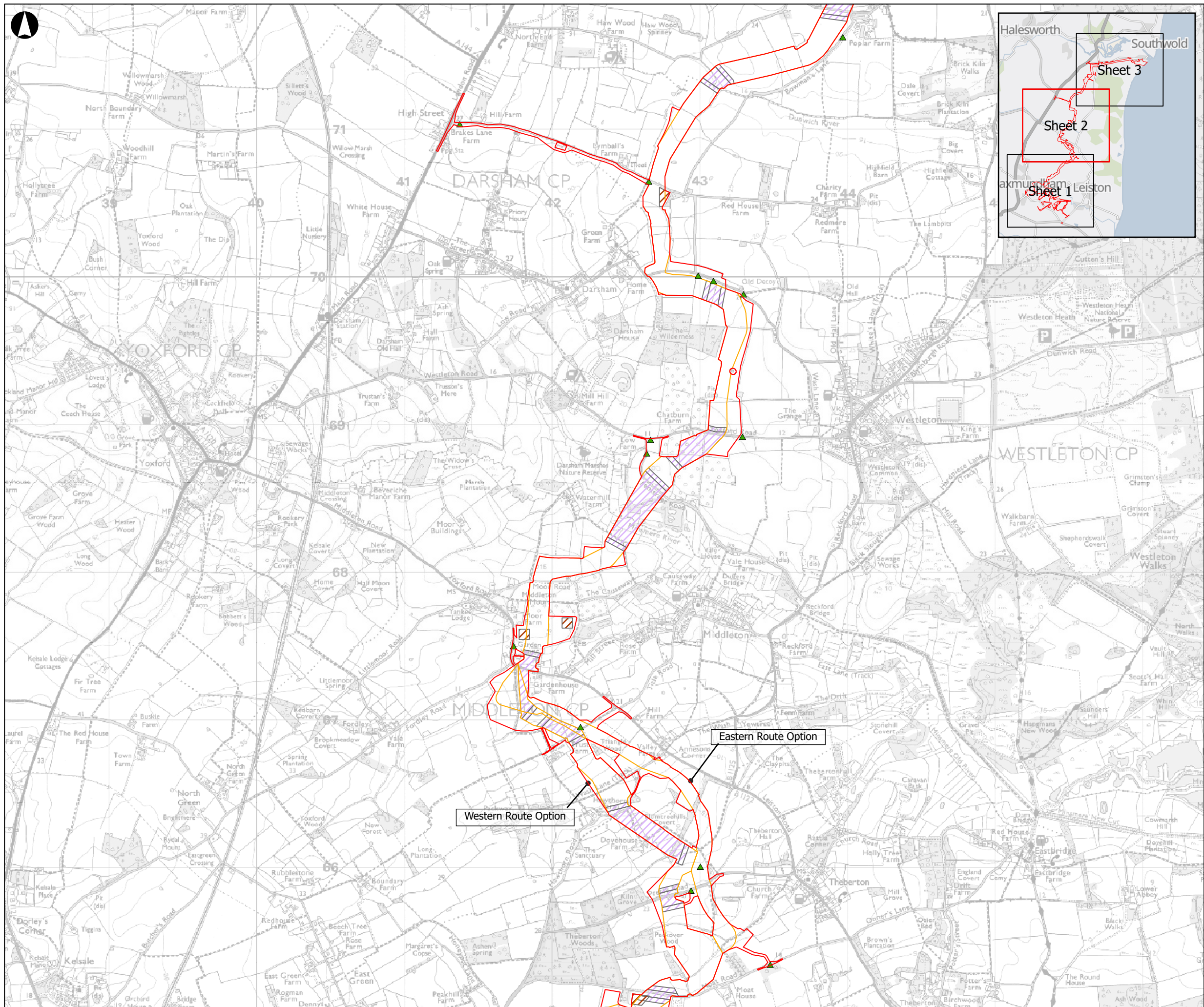
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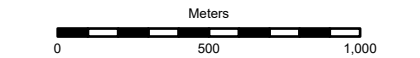
A3





- Proposed Onshore Scheme Draft Order Limits
- Full Build-out of Kiln Lane Substation Scenario
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- Cable Route Limit of Deviation
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- Proposed Trenchless Installation
- Temporary Construction Compound

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Figure 2.2 Proposed Onshore Scheme  
- Sheet 2

Scale at A3

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Role

Environment

Suitability

S2

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Rev

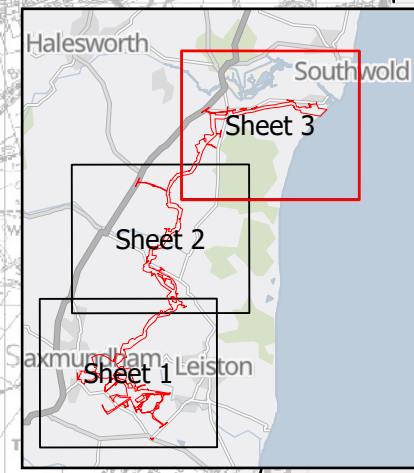
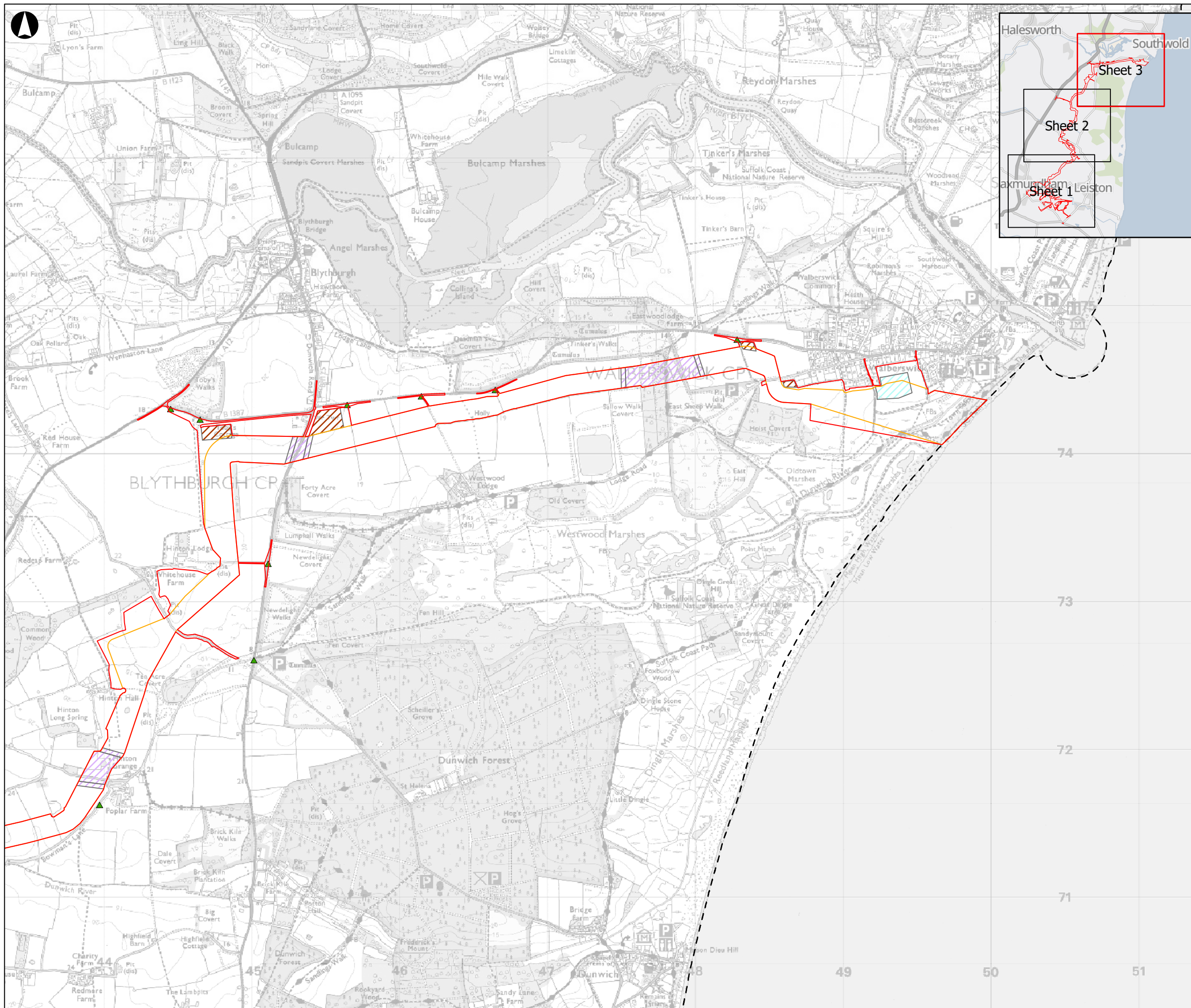
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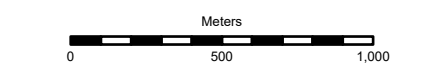
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- Proposed Onshore Scheme Draft Order Limits
- Mean Low Water Springs
- Full Build-out of Kiln Lane Substation Scenario
- Kiln Lane Substation Limits of Deviation
- Converter Station Limits of Deviation
- Cable Route Limit of Deviation
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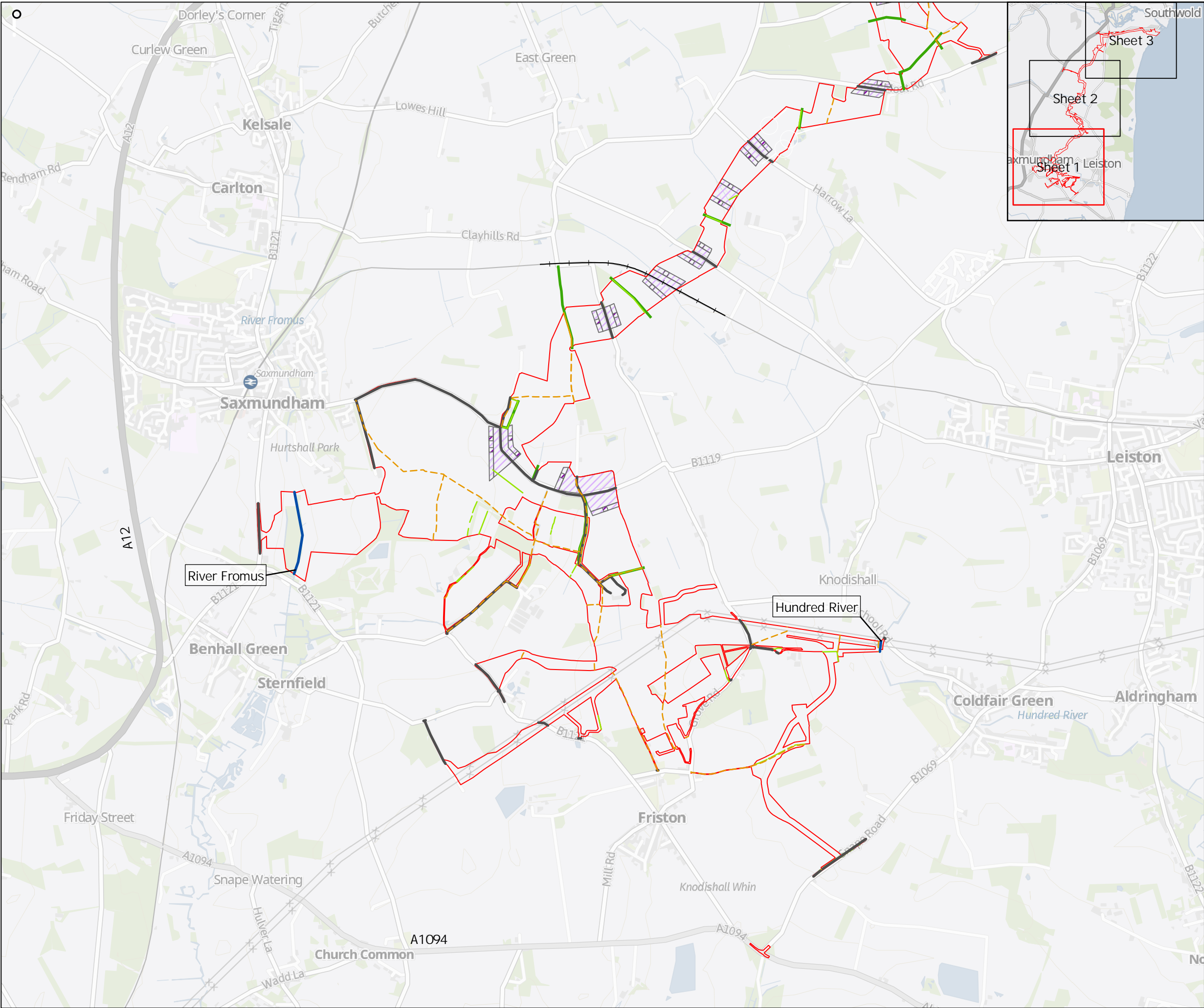
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**LIONLINK**

Drawing Title  
Figure 2.2 Proposed Onshore Scheme  
- Sheet 3

Scale at A3  
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Role  
Environment  
Suitability  
S2  
Project Number  
287334-00  
Rev  
P02  
Drawing Number  
LLK1-ARU-DWG-ENV-00005

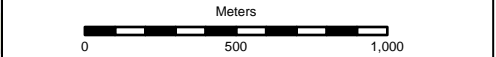




- Proposed Onshore Scheme Draft Order Limits
- Mean Low Water Springs
- Designated Main Rivers
- Roads
- Railway
- Hedgerow Survey
- Hedges (Open Street Map)
- Public Rights of Way
- Indicative Trenchless Compound Location
- Proposed Trenchless Installation

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**LIONLINK**

Drawing Title  
**Figure 2.3 Proposed Onshore Scheme Crossing Points - Sheet 1**

Scale at A3  
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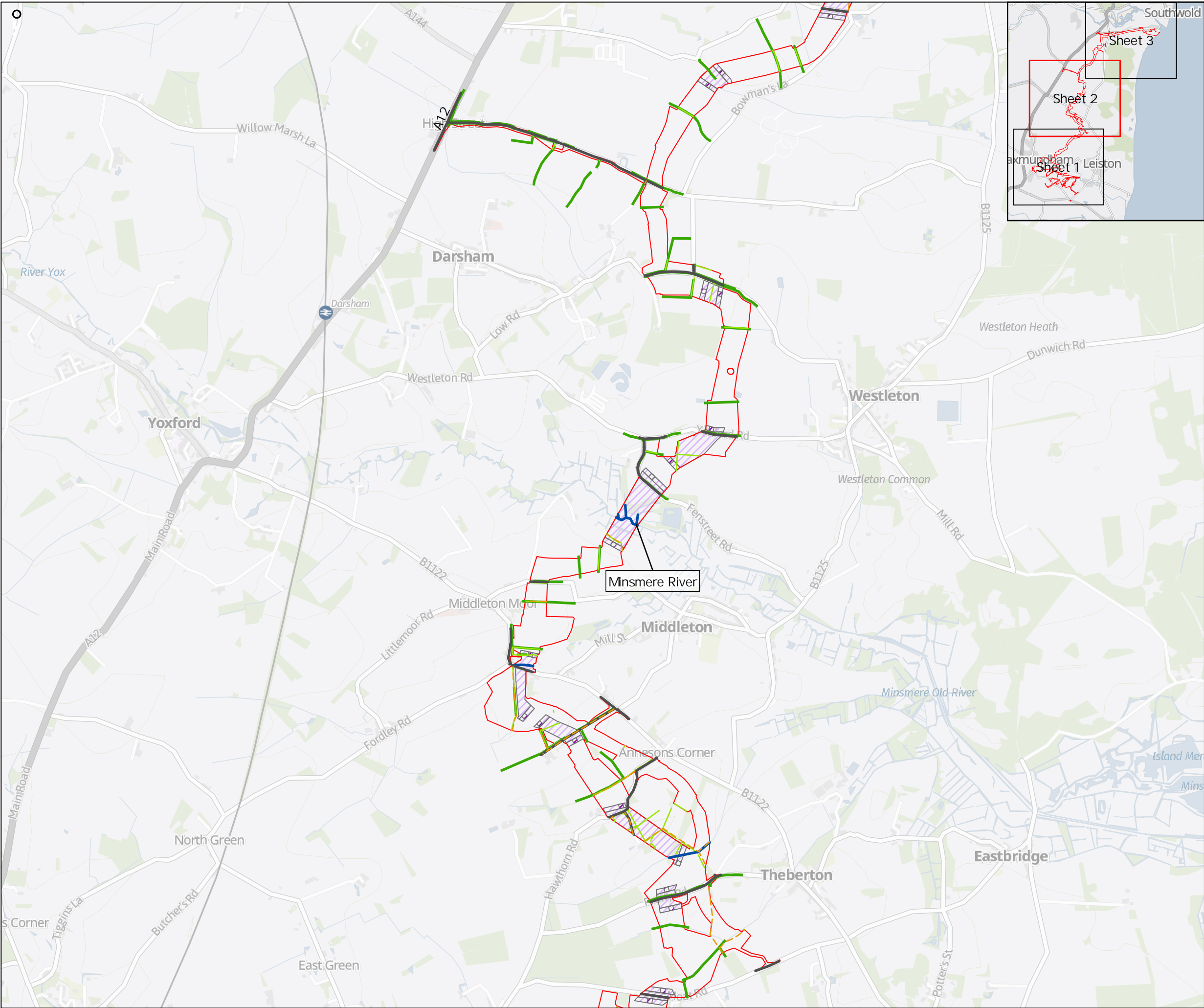
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**Environment**

Suitability  
**S2**

Project Number <b>287334-00</b>	Rev <b>P02</b>
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Drawing Number  
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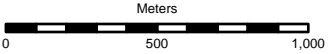
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- Proposed Onshore Scheme Draft Order Limits
- Mean Low Water Springs
- Designated Main Rivers
- Roads
- Railway
- Hedgerow Survey
- Hedges (Open Street Map)
- Public Rights of Way
- Indicative Trenchless Compound Location
- Proposed Trenchless Installation

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Drawing Title

Figure 2.3 Proposed Onshore Scheme  
Crossing Points - Sheet 2

Scale at A3

1:25,000

Role

Environment

Suitability

S2

Project Number

287334-00

Rev

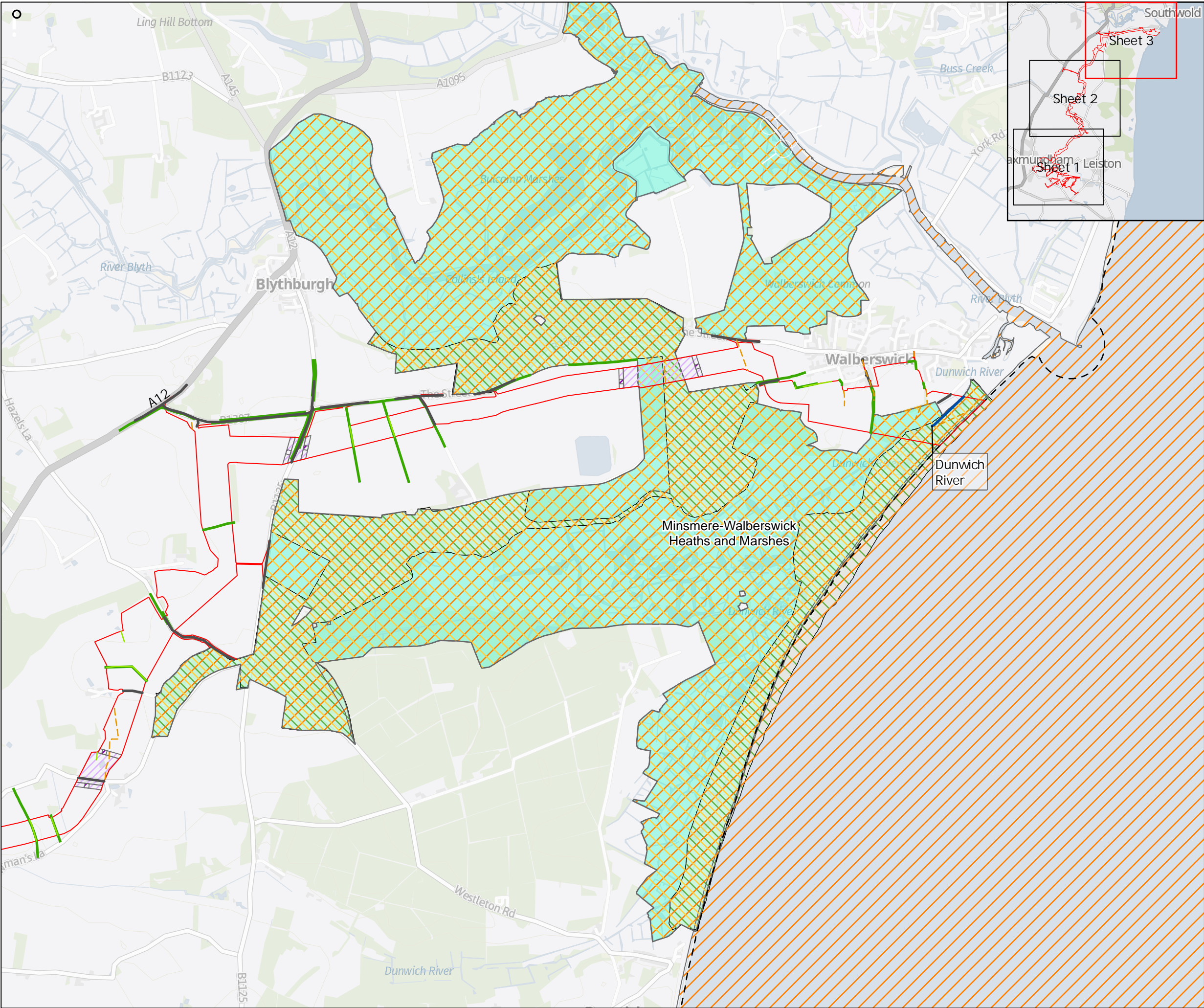
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Drawing Number

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A3

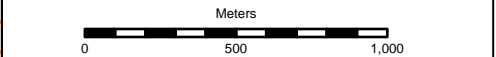




- Proposed Onshore Scheme Draft Order Limits
- Mean Low Water Springs
- Designated Main Rivers
- Roads
- Railway
- Hedgerow Survey
- Hedges (Open Street Map)
- Public Rights of Way
- Indicative Trenchless Compound Location
- Proposed Trenchless Installation
- Sites of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- Ramsar Site

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Project Name  
**LIONLINK**

Drawing Title  
**Figure 2.3 Proposed Onshore Scheme Crossing Points - Sheet 3**

Scale at A3  
**1:25,000**

Role  
**Environment**

Suitability  
**S2**

Project Number  
**287334-00**

Drawing Number  
**LLK1-ARU-DWG-ENV-00008**

Rev  
**P02**

**A3**



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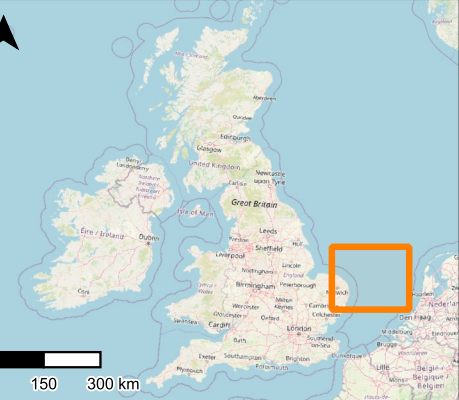
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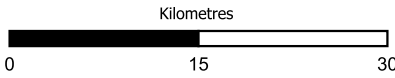
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A3

- Proposed Offshore Scheme
- Draft Order Limits
- Study Area (15km)
- 12NM
- Exclusive Economic Zone Limit



Coordinate System  
ETRS89 / UTM zone 31N



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(NGLLL)

Drawing Title

Figure 2.4 Offshore Scheme

Scale at A3

1:600,000

Role

Environment

Suitability

S2

Project Number

C01467

Rev

P01

Drawing Number

LLK1-CEA-DWG-ENV-00001

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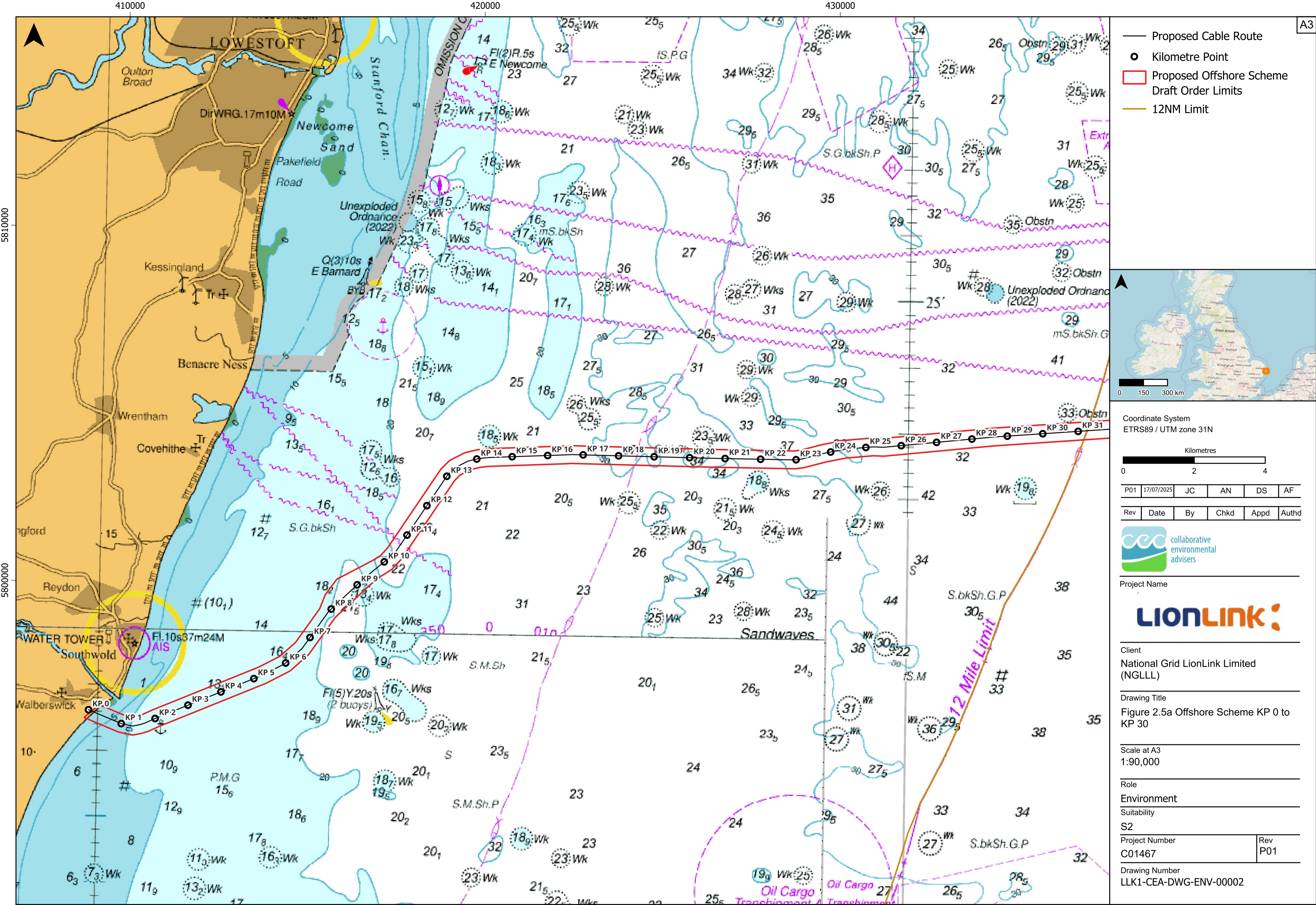
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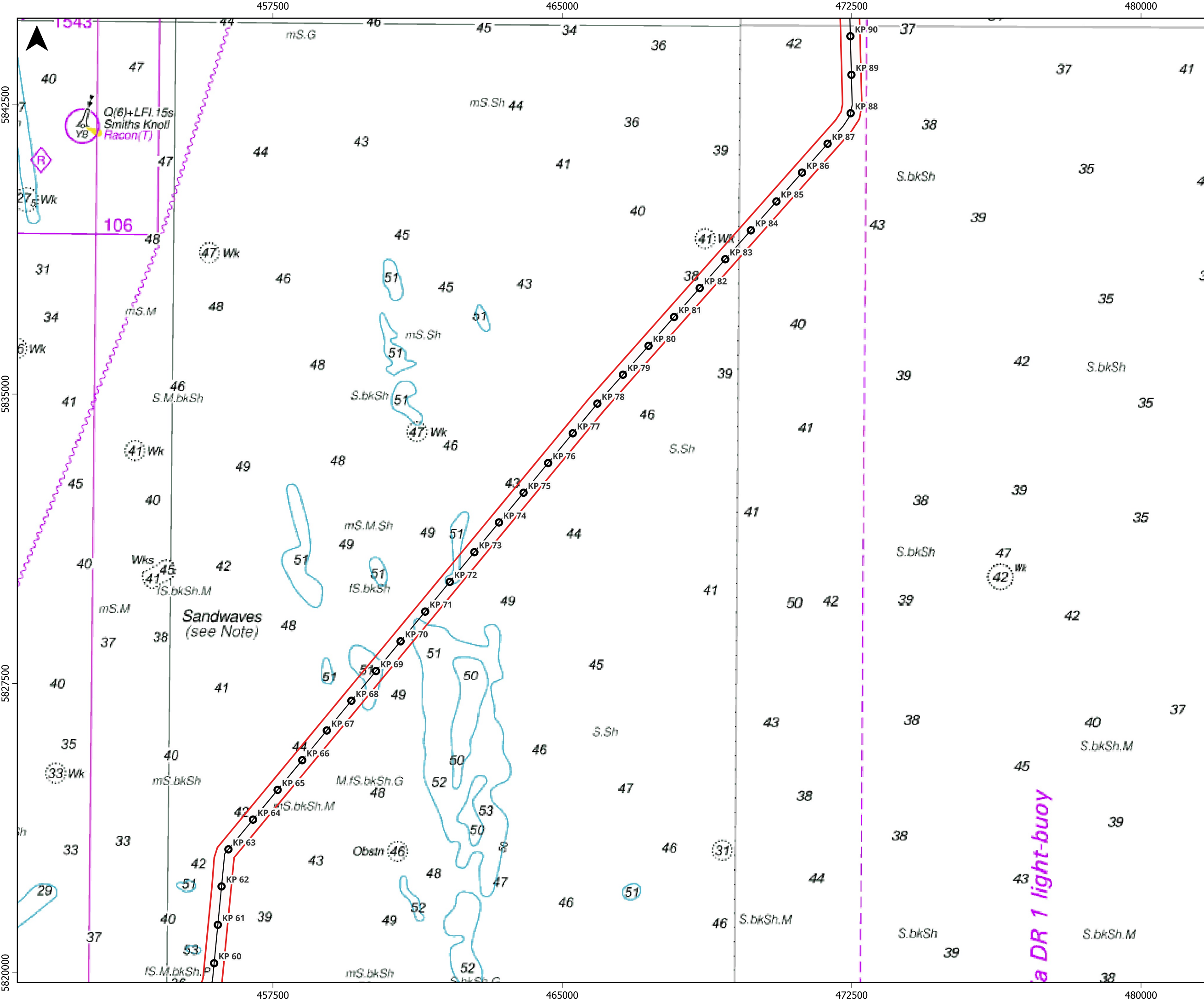




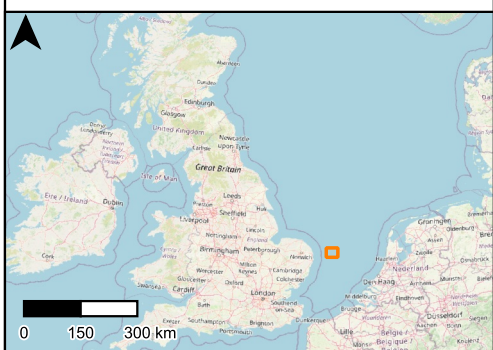




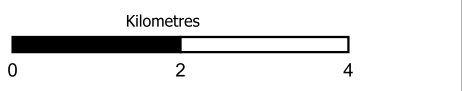




- Proposed Cable Route
- Kilometre Point
- Proposed Offshore Scheme Draft Order Limits



Coordinate System  
ETRS89 / UTM zone 31N



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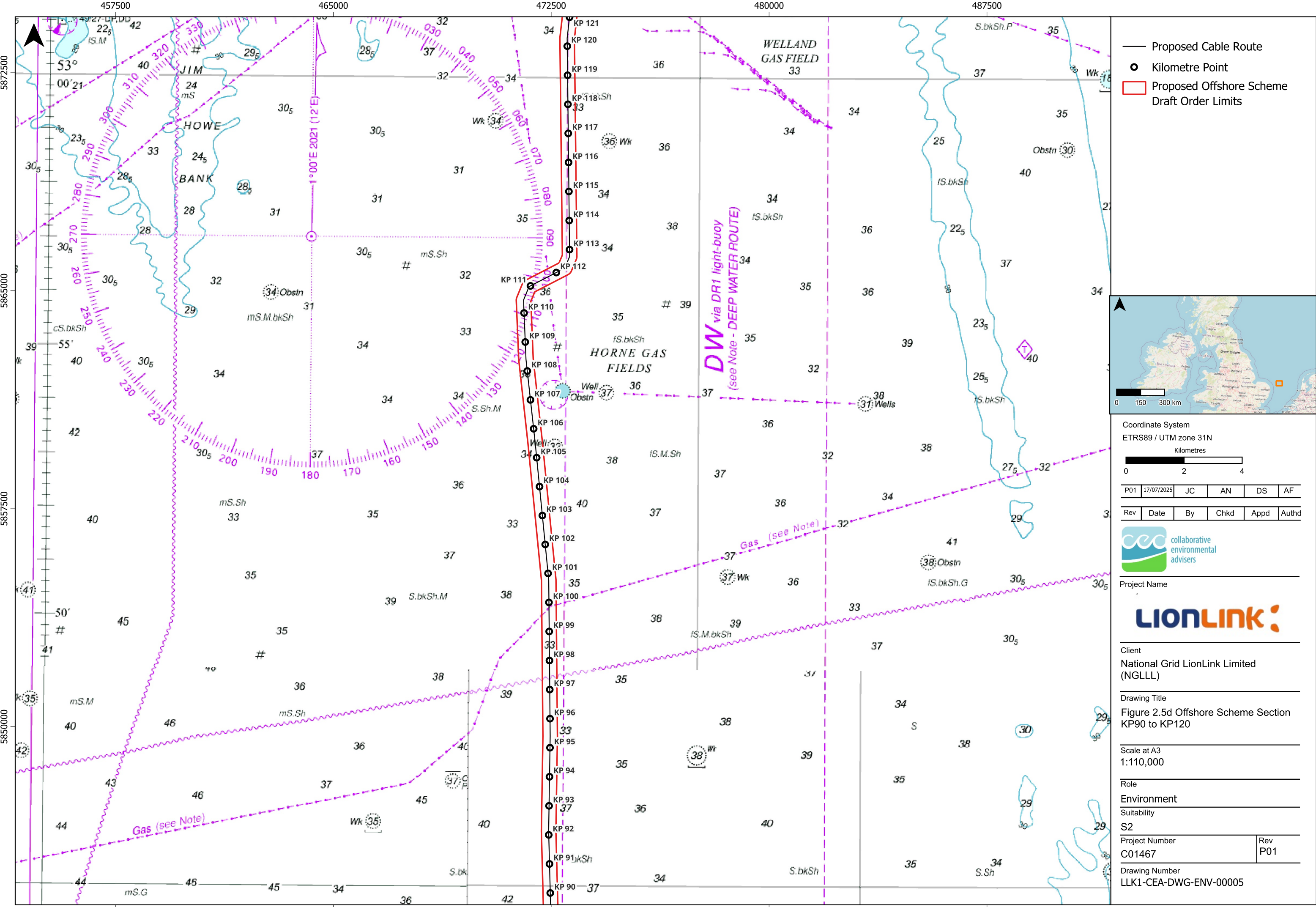
Drawing Title  
Figure 2.5c Offshore Scheme Section KP60 to KP90

Scale at A3  
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Role  
Environment  
Suitability  
S2

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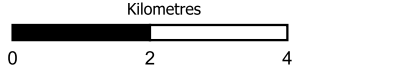
Drawing Number  
LLK1-CEA-DWG-ENV-00004



- Proposed Cable Route
- Kilometre Point
- Proposed Offshore Scheme Draft Order Limits



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Drawing Title  
Figure 2.5d Offshore Scheme Section KP90 to KP120

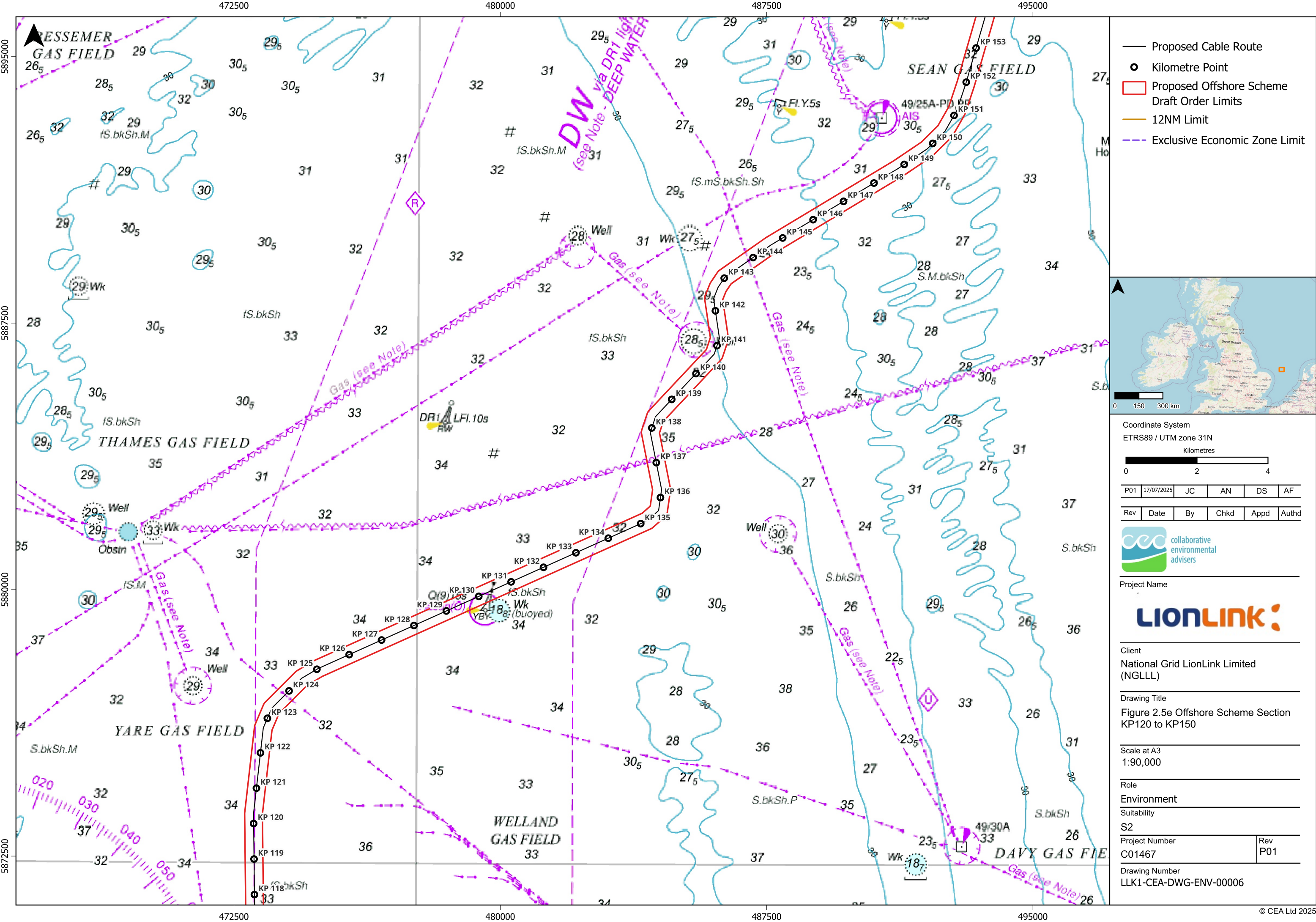
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Role  
Environment  
Suitability  
S2

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Drawing Number  
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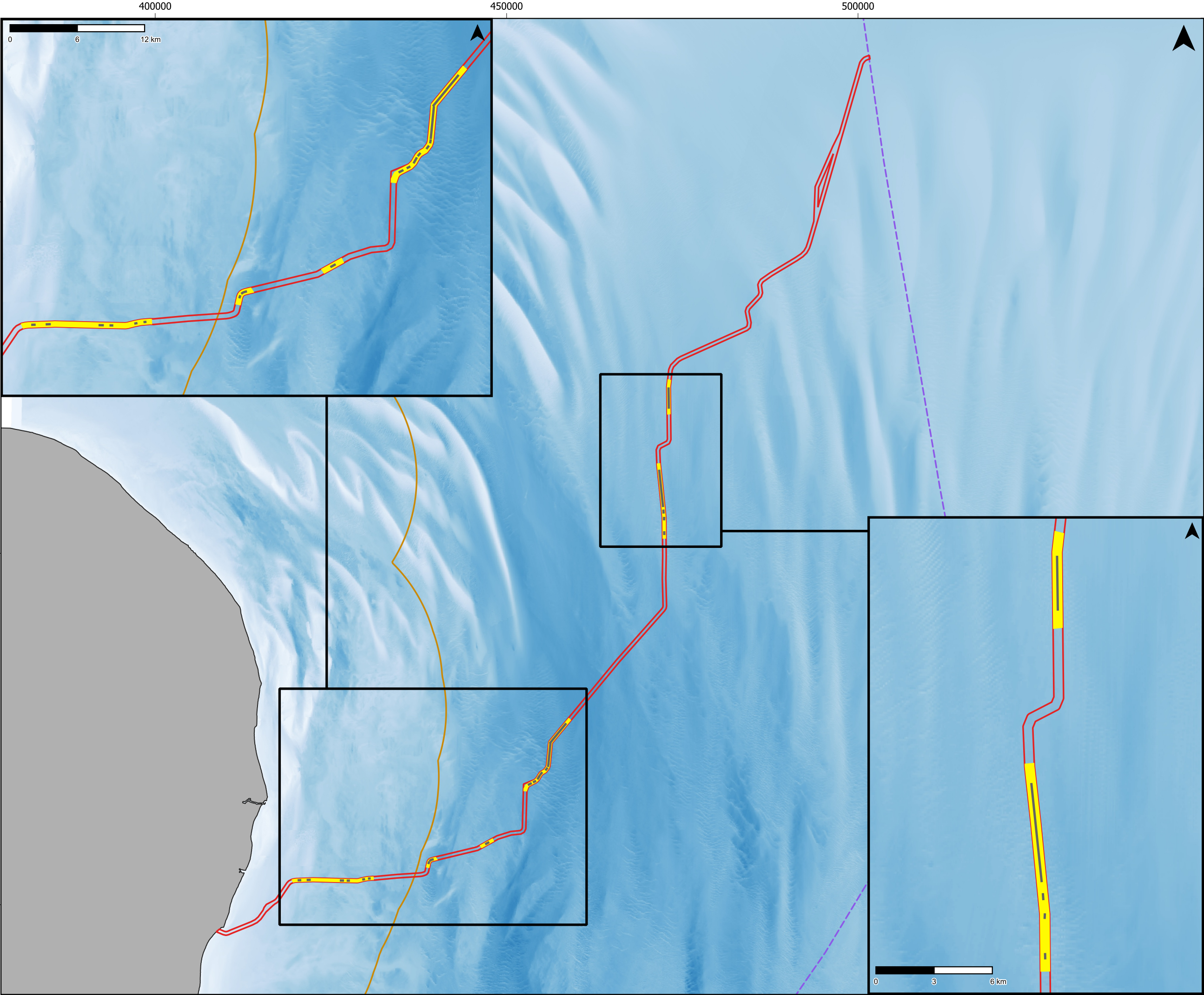












Proposed Offshore Scheme

Draft Order Limits

Potential Sandwave Pre-Sweeping Area

Potential Disposal Site

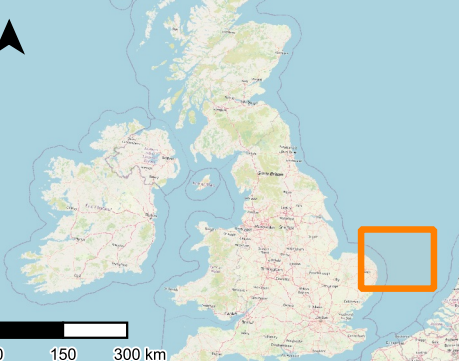
Bathymetry  
(metres above/below OD)

3.99

-88.47

12NM Limit

Exclusive Economic Zone Limit



Coordinate System  
ETRS89 / UTM zone 31N

Kilometres

0

10

20

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Client

National Grid LionLink Limited (NGLLL)

Drawing Title

Figure 2.6 Sand wave pre-sweeping and disposal areas within Offshore Scheme

Scale at A3

1:500,000

Role

Environment

Suitability

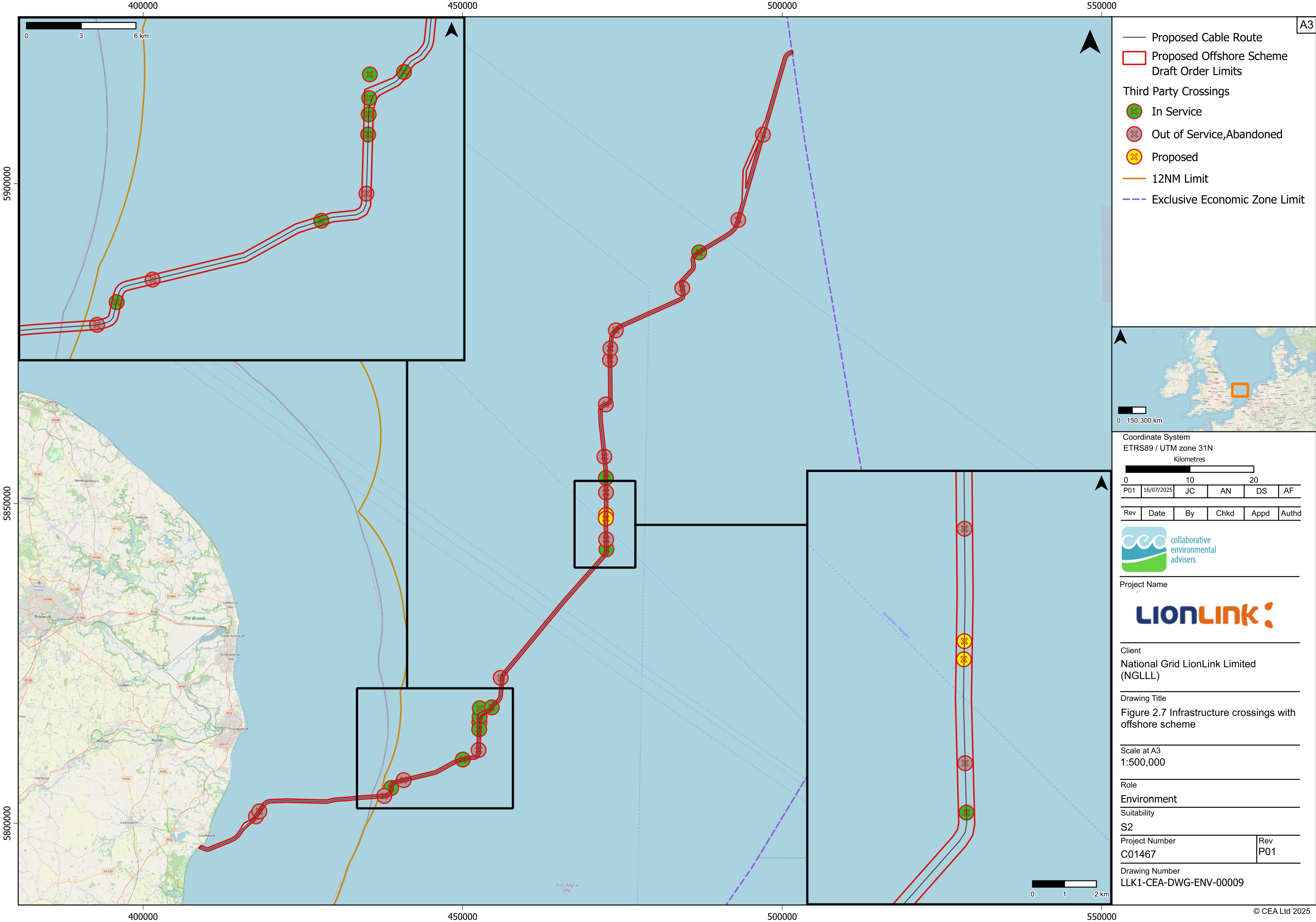
S2

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Drawing Number

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A3

Proposed Cable Route

Proposed Offshore Scheme

Draft Order Limits

Third Party Crossings

In Service

Out of Service,Abandoned

Proposed

12NM Limit

Exclusive Economic Zone Limit

An inset map of the United Kingdom showing the location of the project area in the northeast of England. A scale bar indicates distances of 0, 150, and 300 km. A north arrow is present in the top left corner.

Coordinate System

ETRS89 / UTM zone 31N

Kilometres

0

10

20

P01

16/07/2025

JC

AN

DS

AF

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Logo for Collaborative Environmental Advisers (CEA), featuring a stylized 'c' and 'e' in blue and green.

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Client

National Grid LionLink Limited (NGLLL)

Drawing Title

Figure 2.7 Infrastructure crossings with offshore scheme

Scale at A3

1:500,000

Role

Environment

Suitability

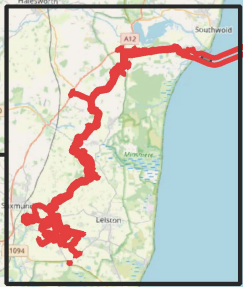
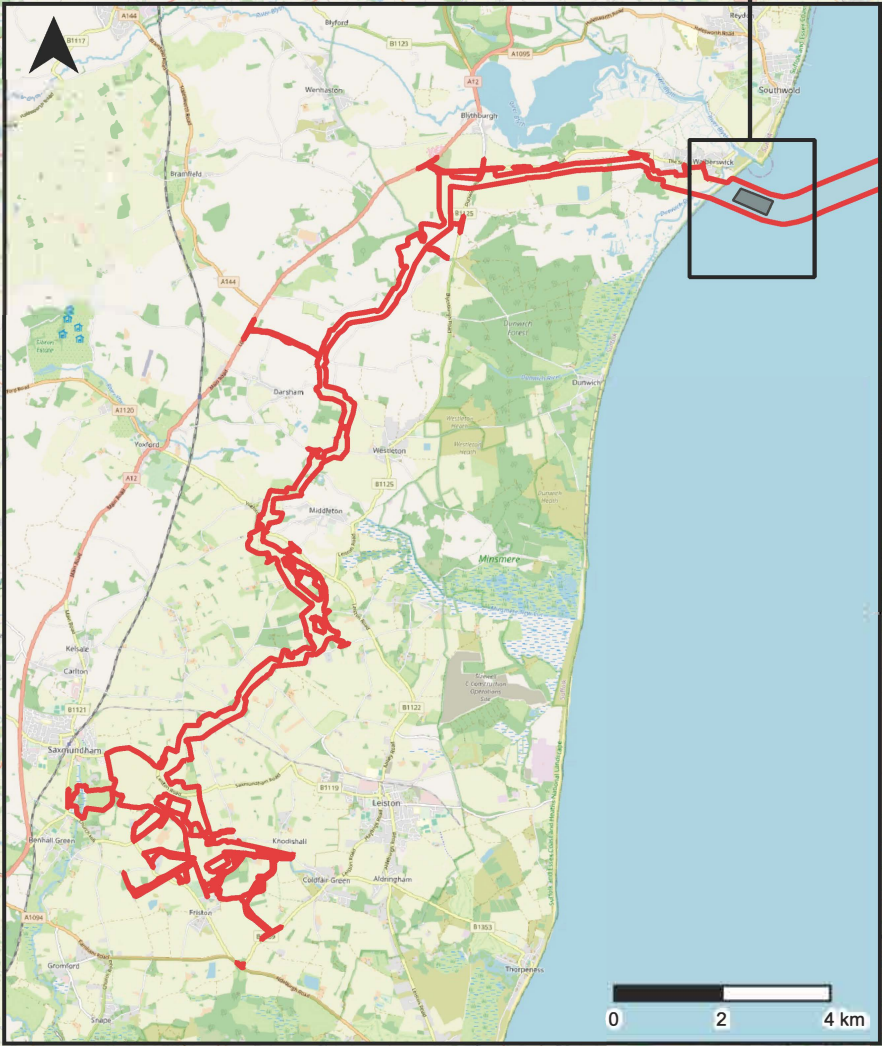
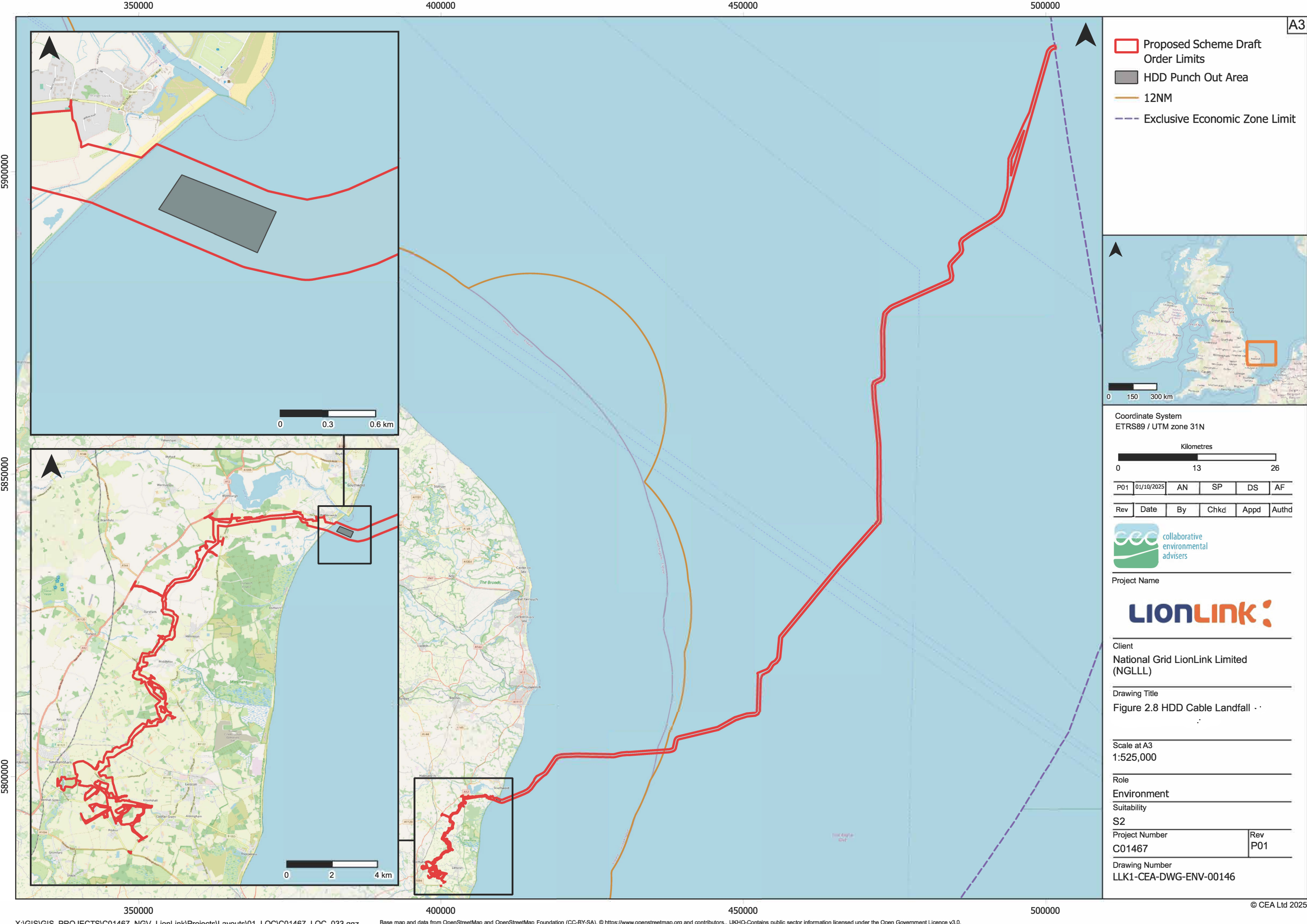
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Drawing Number

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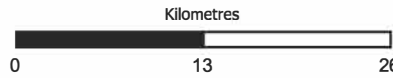




- A3
- Proposed Scheme Draft Order Limits
  - HDD Punch Out Area
  - 12NM
  - Exclusive Economic Zone Limit



Coordinate System  
ETRS89 / UTM zone 31N



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Figure 2.8 HDD Cable Landfall

Scale at A3

1:525,000

Role

Environment

Suitability

S2

Project Number

C01467

Rev

P01

Drawing Number

LLK1-CEA-DWG-ENV-00146