



**NORTH FALLS**

*Offshore Wind Farm*

# **Groundwater Risk Assessment and Monitoring Plan - Private Water Supplies and Licenced Abstractions (Part 3 of 4)**

Document Reference: 9.66  
Volume: 9  
Date: May 2025  
Revision: 0



**NORTH FALLS**

*Offshore Wind Farm*

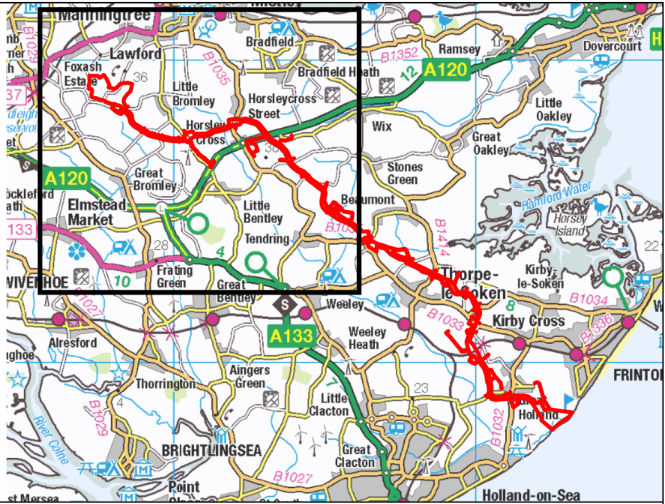
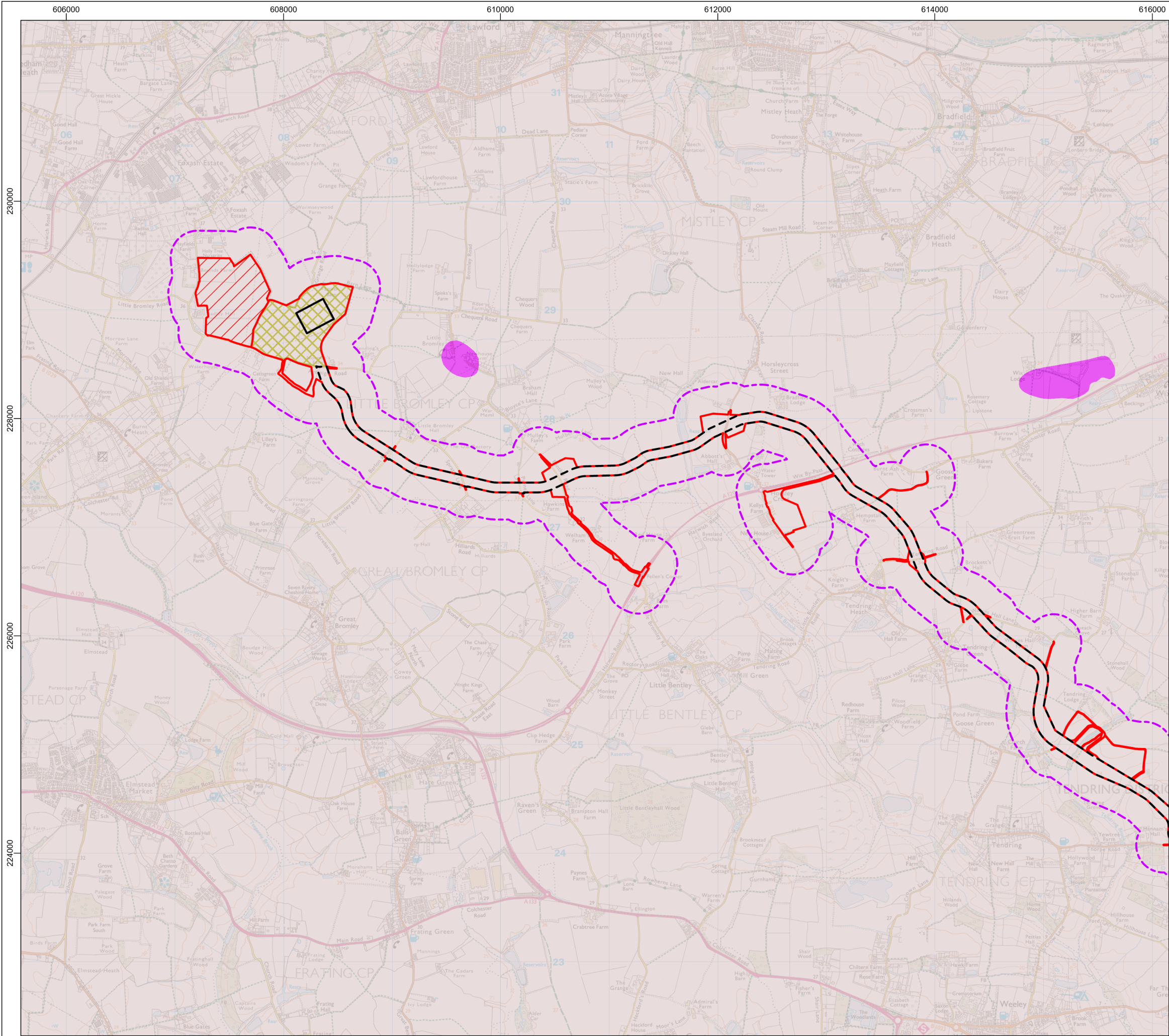
**Project Reference: EN010119**

<b>Project</b>	North Falls Offshore Wind Farm
<b>Document Title</b>	Groundwater Risk Assessment and Monitoring Plan - Private Water Supplies and Licenced Abstractions (Part 3 of 4)
<b>Document Reference</b>	9.66
<b>Supplier</b>	Royal HaskoningDHV
<b>Supplier Document ID</b>	PB9244-RHD-ZZ-ON-RP-ON-0384

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<b>Revision</b>	<b>Date</b>	<b>Status/Reason for Issue</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>
0	May 2025	Deadline 5	RHDHV	NFOW	NFOW





**Legend**

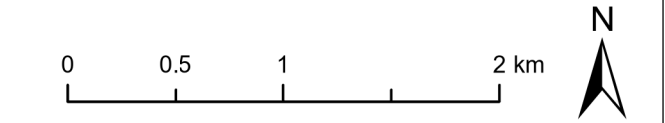
- Onshore Project Area
- Onshore Substation
- East Anglia Connection Node (EACN)
- Onshore Cable Route
- Substation Works Area

**Onshore Project Area Buffer**

- 250m

**Bedrock Geology**

- Thames Group - Clay, Silt and Sand
- Red Crag Formation - Sand





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Drawing Title

**Bedrock Geology**

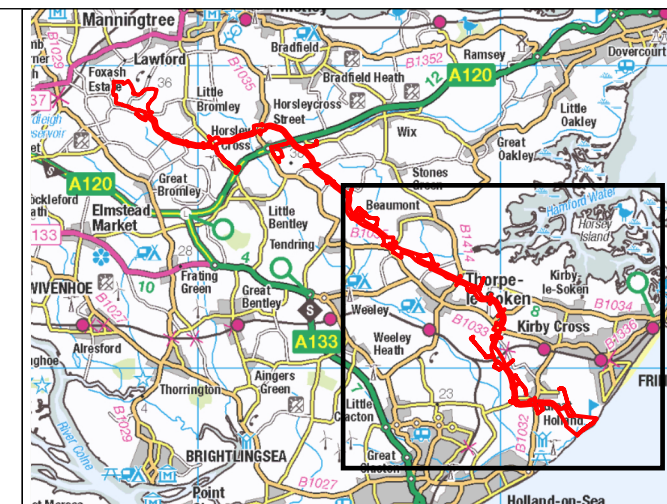
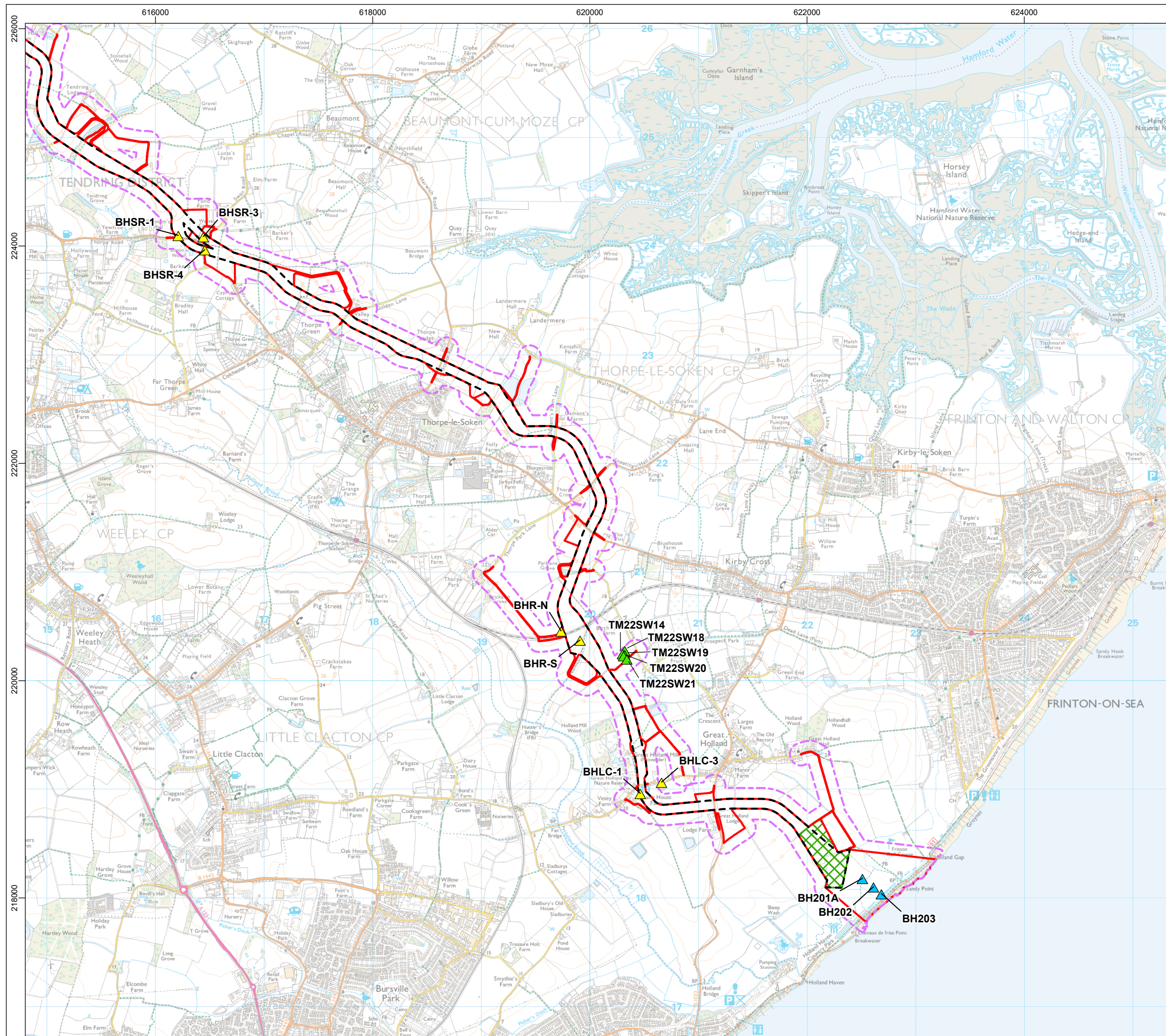
Rev	Date	Remarks	Drwn	Chkd
01	11/04/2025	First issue	FC	AW

Drawing Number	Figure Number
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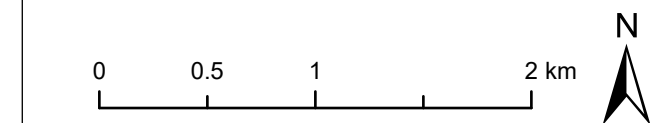
Scale	Plot Size	Datum	Projection
1:35,000	A3	OSGB36	BNG







- Legend**
- Onshore Project Area
  - Onshore Cable Route
  - Landfall Compound
  - Onshore Project Area Buffer
  - 100m
  - Boreholes**
    - British Geological Survey (BGS)
    - SOCOTEC (August 2022) - Five Estuaries, Frinton-on-Sea, Essex Ground Investigation
    - Report Factual Account of Fieldwork. Monitoring and Laboratory Testing (Report No D3012-23)
    - SOCOTEC (July 2023) - Little Clacton Road, Frinton-on-Sea Ground Investigation Report
    - Factual Account of Fieldwork. Monitoring and Laboratory Testing (Report No D3012-23)



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Drawing Title

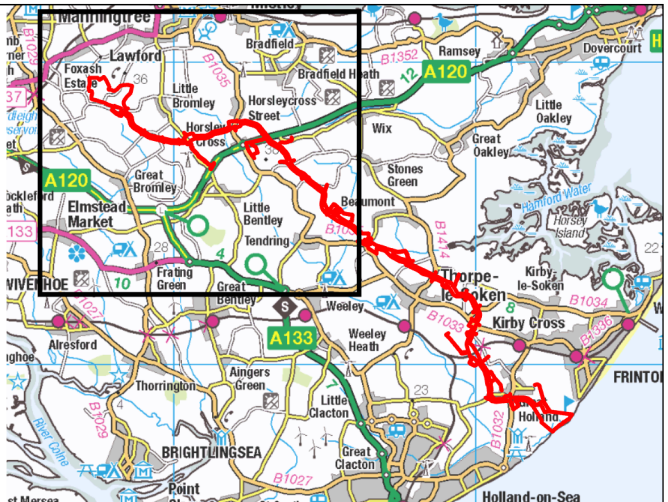
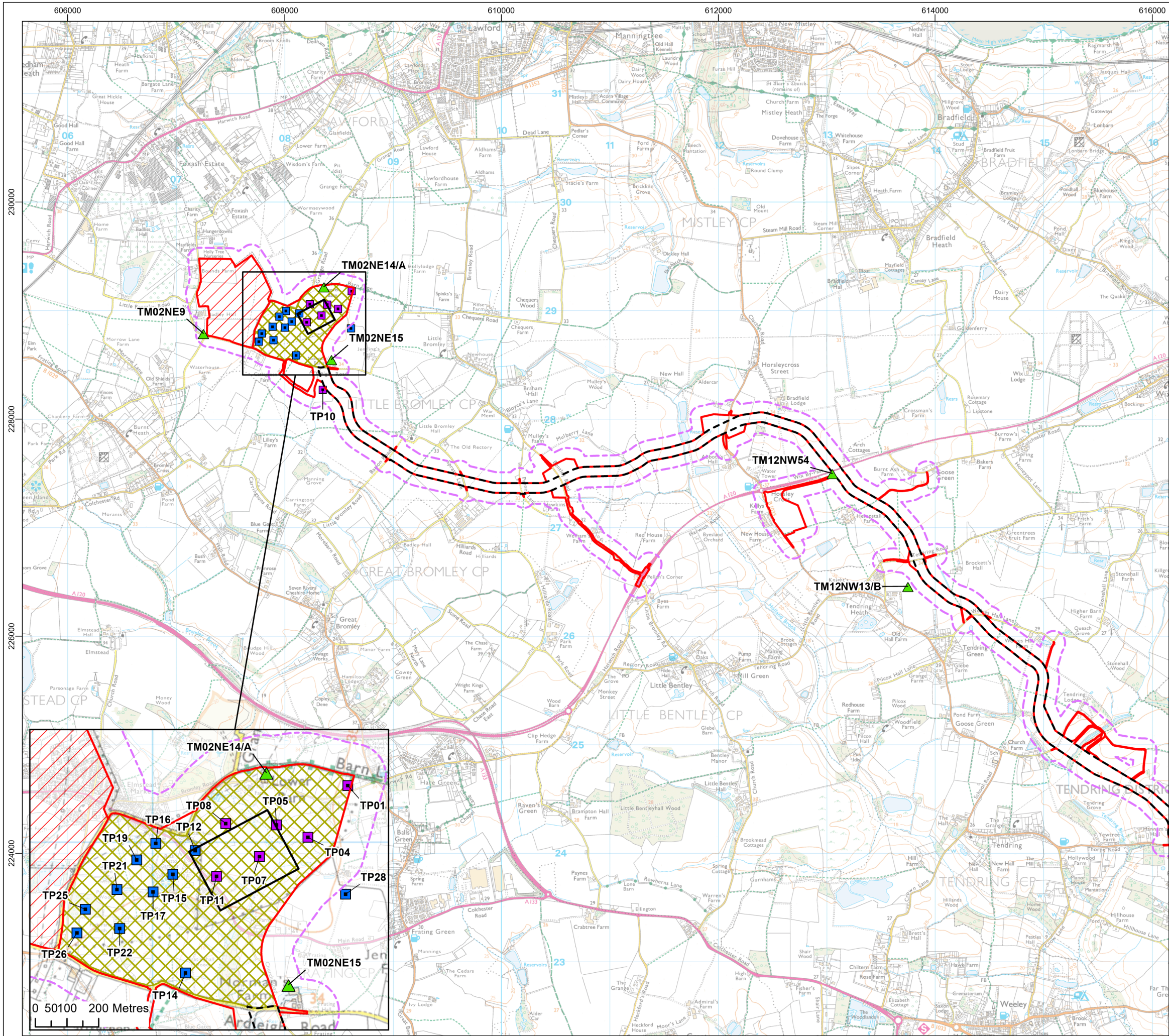
## Exploratory Hole Locations

Rev	Date	Remarks	Drwn	Chkd
01	11/04/2025	First issue	FC	AW

Drawing Number		Figure Number	
PB9244-RHD-ZZ-ON-DR-GS-0665		5a	
Scale	Plot Size	Datum	Projection
1:35,000	A3	OSGB36	BNG







**Legend**

- Onshore Project Area
- Onshore Substation
- East Anglia Connection Node (EACN)
- Onshore Cable Route
- Substation Works Area

**Onshore Project Area Buffer**

- 100m

**Boreholes**

- British Geological Survey (BGS)
- SOCOTEC (August 2022) - Five Estuaries, Frinton-on-Sea, Essex Ground Investigation Report Factual Account of Fieldwork. Monitoring and Laboratory Testing (Report No D3012-23)
- SOCOTEC (July 2023) - Little Clacton Road, Frinton-on-Sea Ground Investigation Report Factual Account of Fieldwork. Monitoring and Laboratory Testing (Report No D3012-23)

**Trial Pits**

- Socotec Onshore Substation Trial Pits
- Socotec Onshore Substation Trial Pits Phase 2

0 0.5 1 2 km

N

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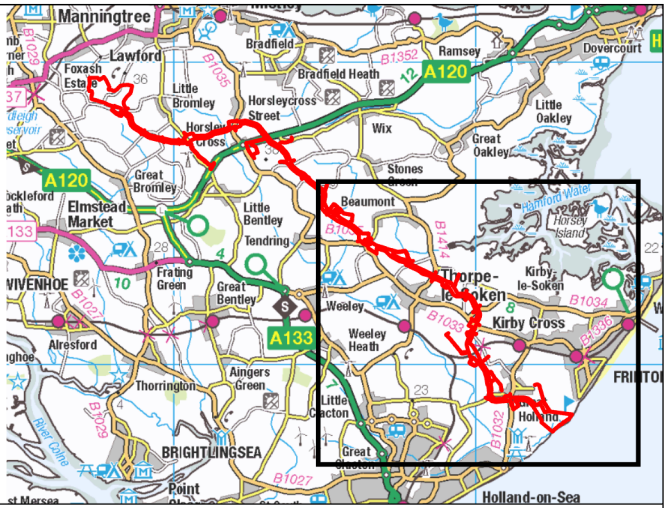
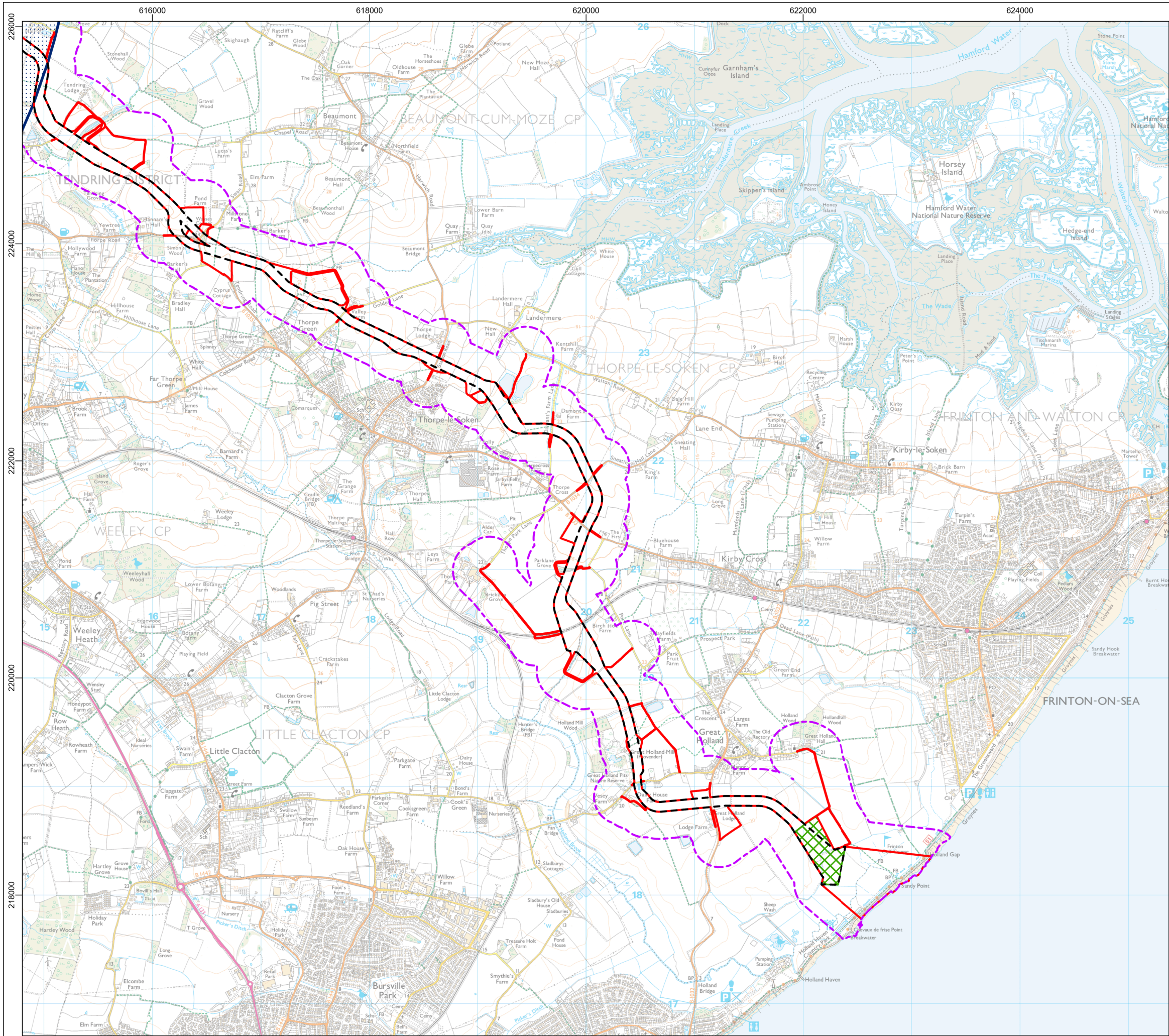
Drawing Title

**Exploratory Hole Locations**

Rev	Date	Remarks	Drwn	Chkd
01	11/04/2025	First issue	FC	AW

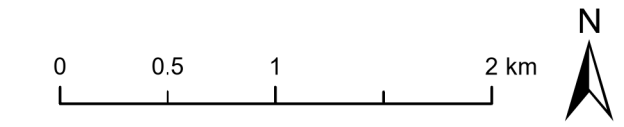
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Scale 1:35,000	Plot Size A3	Datum OSGB36	Projection BNG





**Legend**

- Onshore Project Area
- Onshore Cable Route
- Landfall Compound
- Onshore Project Area Buffer**
- 250m
- Source Protection Zones**
- Zone III - Total Catchment



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Drawing Title

**Source Protection Zones**

Rev	Date	Remarks	Drwn	Chkd
01	11/04/2025	First issue	FC	AW

Drawing Number	Figure Number
<b>PB9244-RHD-ZZ-ON-DR-GS-0666</b>	<b>6a</b>

Scale	Plot Size	Datum	Projection
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**RWE**

## **HARNESSING THE POWER OF NORTH SEA WIND**

*North Falls Offshore Wind Farm Limited*

*A joint venture company owned equally by SSE Renewables and RWE.*

*To contact please email [contact@northfallsoffshore.com](mailto:contact@northfallsoffshore.com)*

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Groundwater Risk Assessment and Monitoring Plan - Private  
Water Supplies and Licenced Abstractions