



Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects

Appendix A - Supporting figures to the Applicant's Responses to the Examining Authority's Second Written Questions

Revision A

Deadline 3

May 2023

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Prepared by:	
Royal HaskoningDHV	
Approved by:	Date:
Sarah Chandler, Equinor	May 2023

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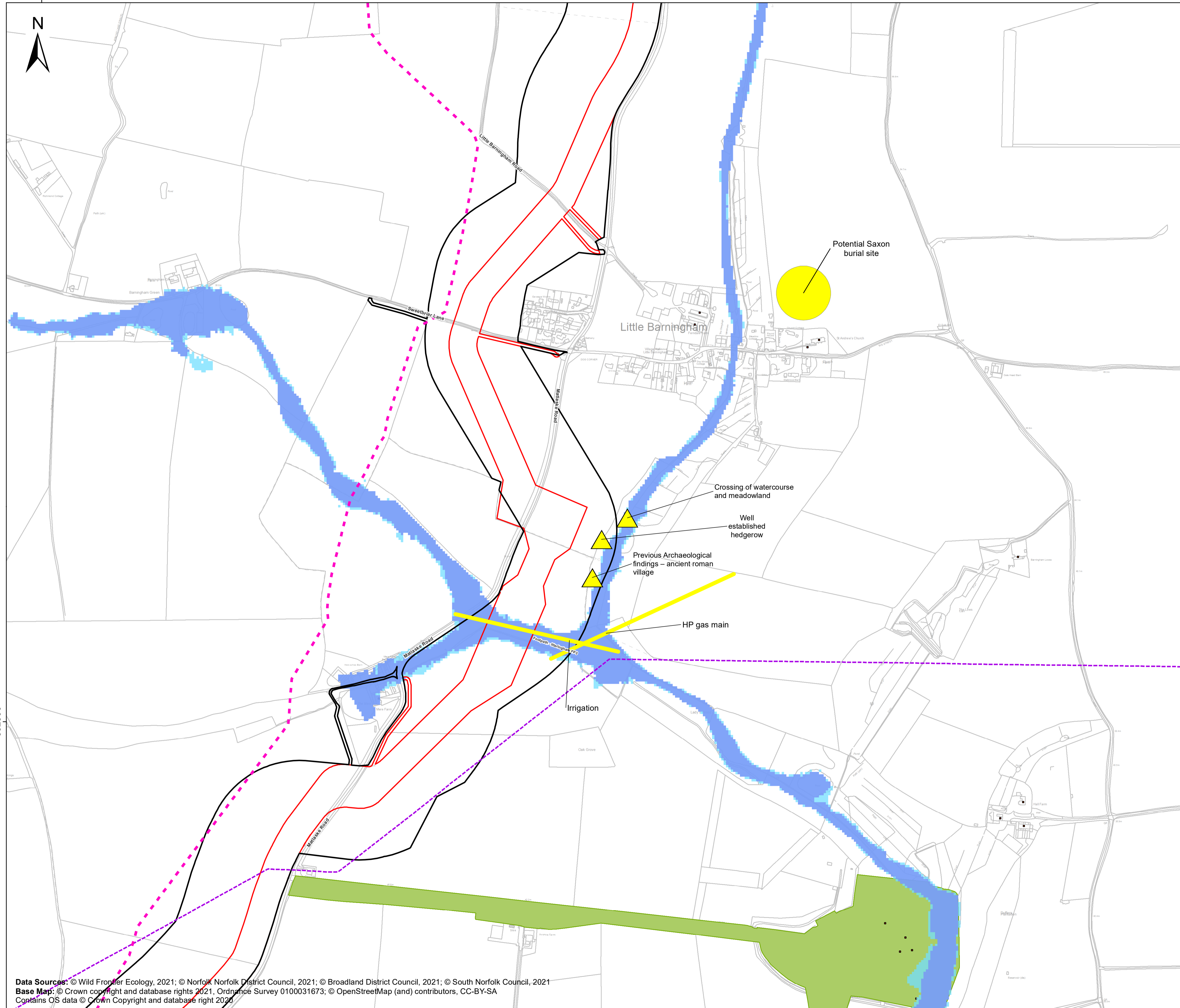
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Appendix A.1

*This appendix has been produced to support the Applicant's response to the Examining Authority's Second Written Questions – Q2.24.1.1. This document should be read alongside **The Applicant's Responses to the Examining Authority's Second Written Questions** [document reference 16.2]*

612500

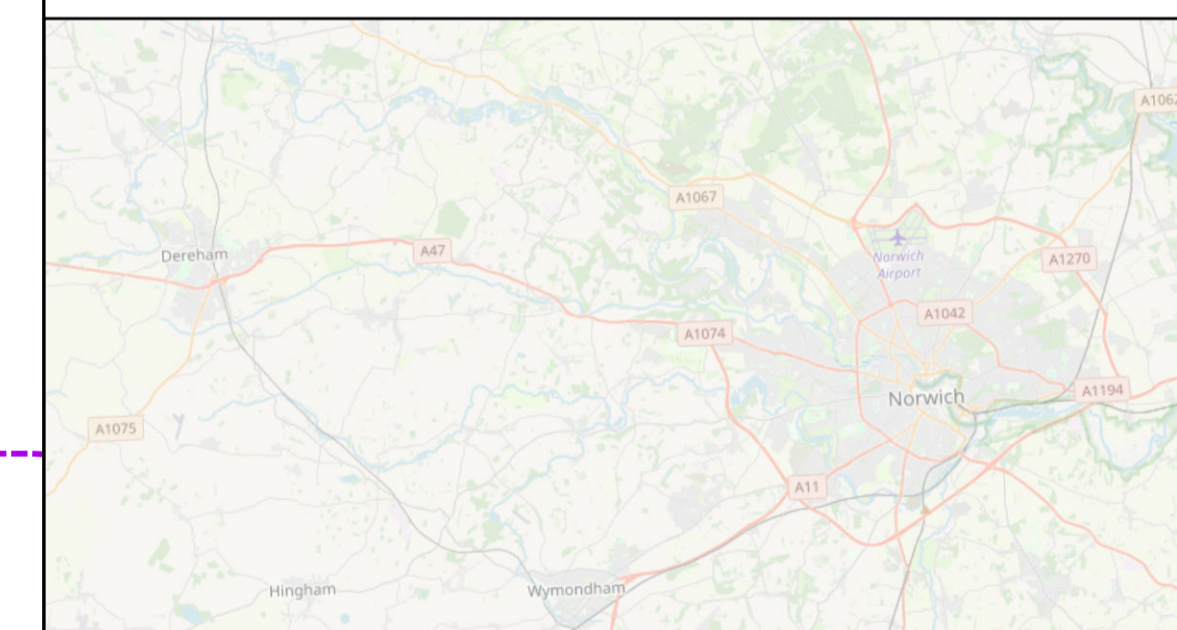


Sheringham Shoal and Dudgeon Extension Projects

Title: Q2.24.1.1 Sequential Test and Little Barningham

Document: Appendix A - Supporting figures to the Applicant's Responses to the Examining Authority's Second Written Questions

- Legend:
- Updated Order Limits
 - PEIR boundary
 - Sheringham Shoal Underground Cable
 - National Grid High Pressure Gas Pipe location
 - Flood Zone 3
 - Flood Zone 2
 - Listed Building
 - Registered Park and Garden



Coordinate Reference System: British National Grid
 Transformation WGS84: OSGB_1936_To_WGS_1984_7

Scale: 1:4,000 Scale at size: A1

Doc no. PB8164-RHD-ZZ-ON-M2-Z-0281

A	20/04/2023	First Issue	DE	CS	CS
REV	DATE	STATUS	DRW	CHK	APR

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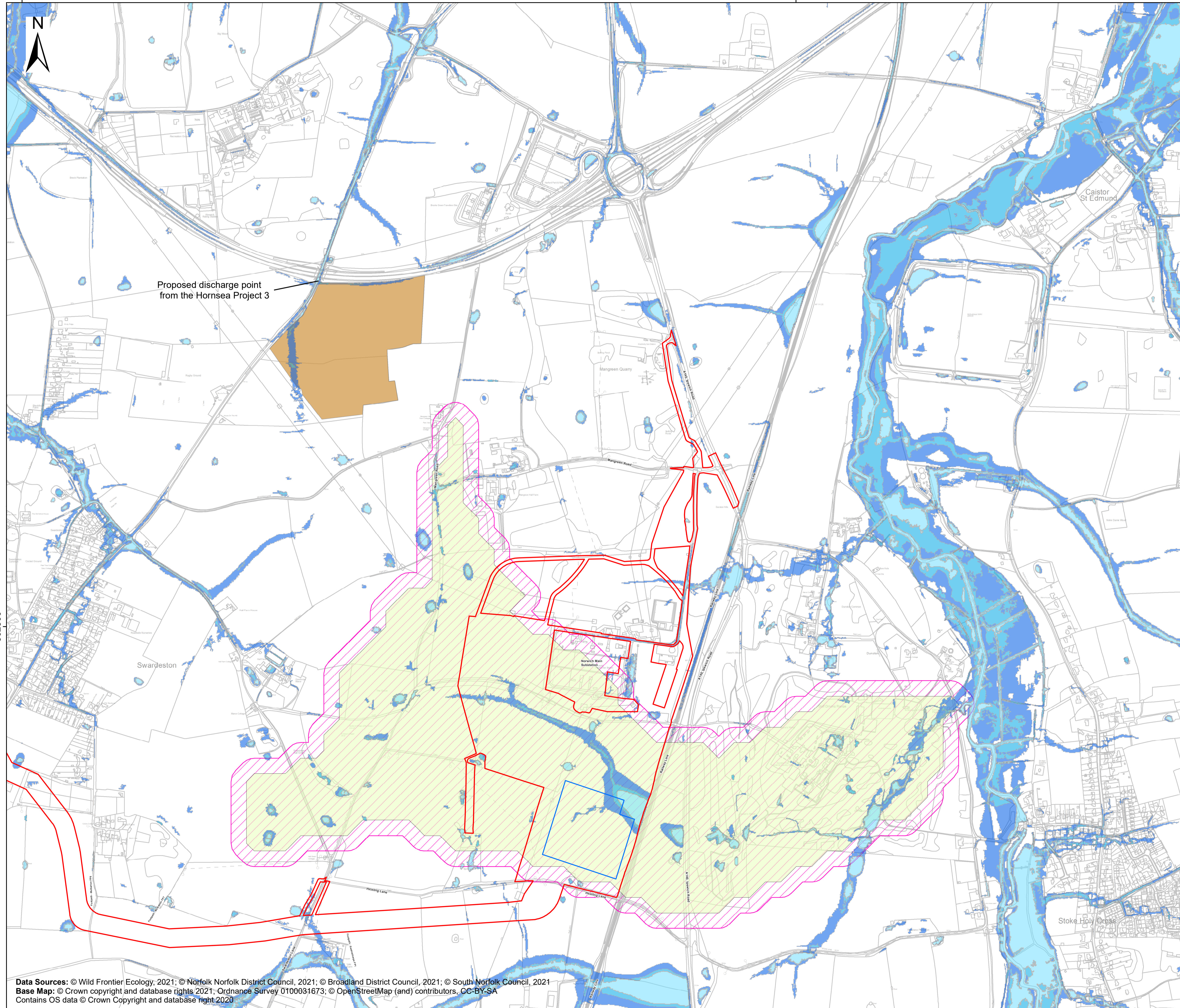
332500

Appendix A.2

*This appendix has been produced to support the Applicant's response to the Examining Authority's Second Written Questions – Q2.24.1.2. This document should be read alongside **The Applicant's Responses to the Examining Authority's Second Written Questions** [document reference 16.2]*

620000

622500



Proposed discharge point from the Hornsea Project 3

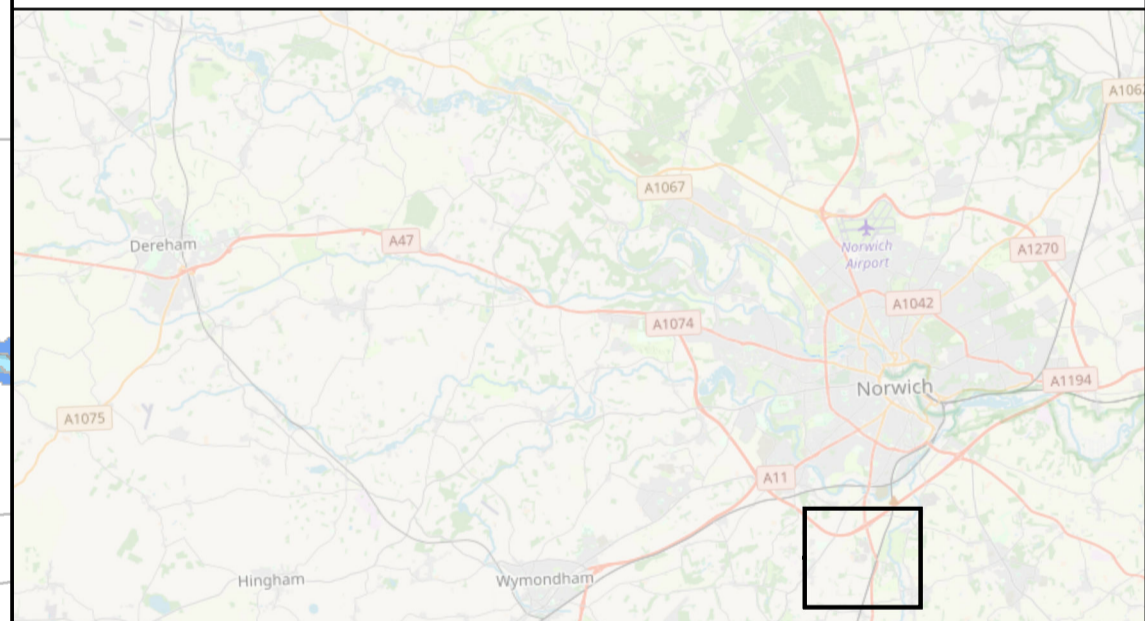
Sheringham Shoal and Dudgeon Extension Projects

Title: Q2.24.1.2: Hornsea Three Energy Balancing Infrastructure and Onshore Converter Station

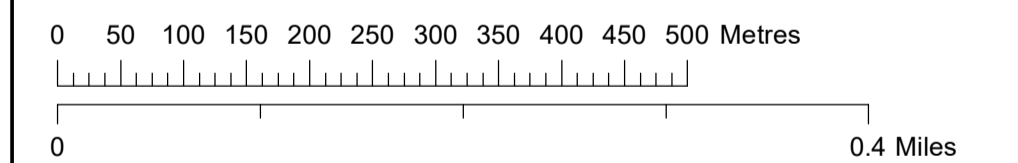
Document: Appendix A - Supporting figures to the Applicant's Responses to the Examining Authority's Second Written Questions

Legend:

- Updated Order Limits
- Onshore Substation Site
- Model Boundary
- FEH Catchment
- Environment Agency Risk of Flooding from Surface Water extent - 1 in 30 (3.3% AP)
- Environment Agency Risk of Flooding from Surface Water extent - 1 in 100 (1% AP)
- Environment Agency Risk of Flooding from Surface Water extent - 1 in 1,000 (0.1% AP)
- Site of Hornsea Project 3 Energy Balancing Infrastructure and Onshore Converter Station (ONCS)



Coordinate Reference System: British National Grid
Transformation WGS84: OSGB_1936_To_WGS_1984_7



Scale: 1:6,000 Scale at size: A1

Doc no. PB8164-RHD-ZZ-ON-M2-Z-0282

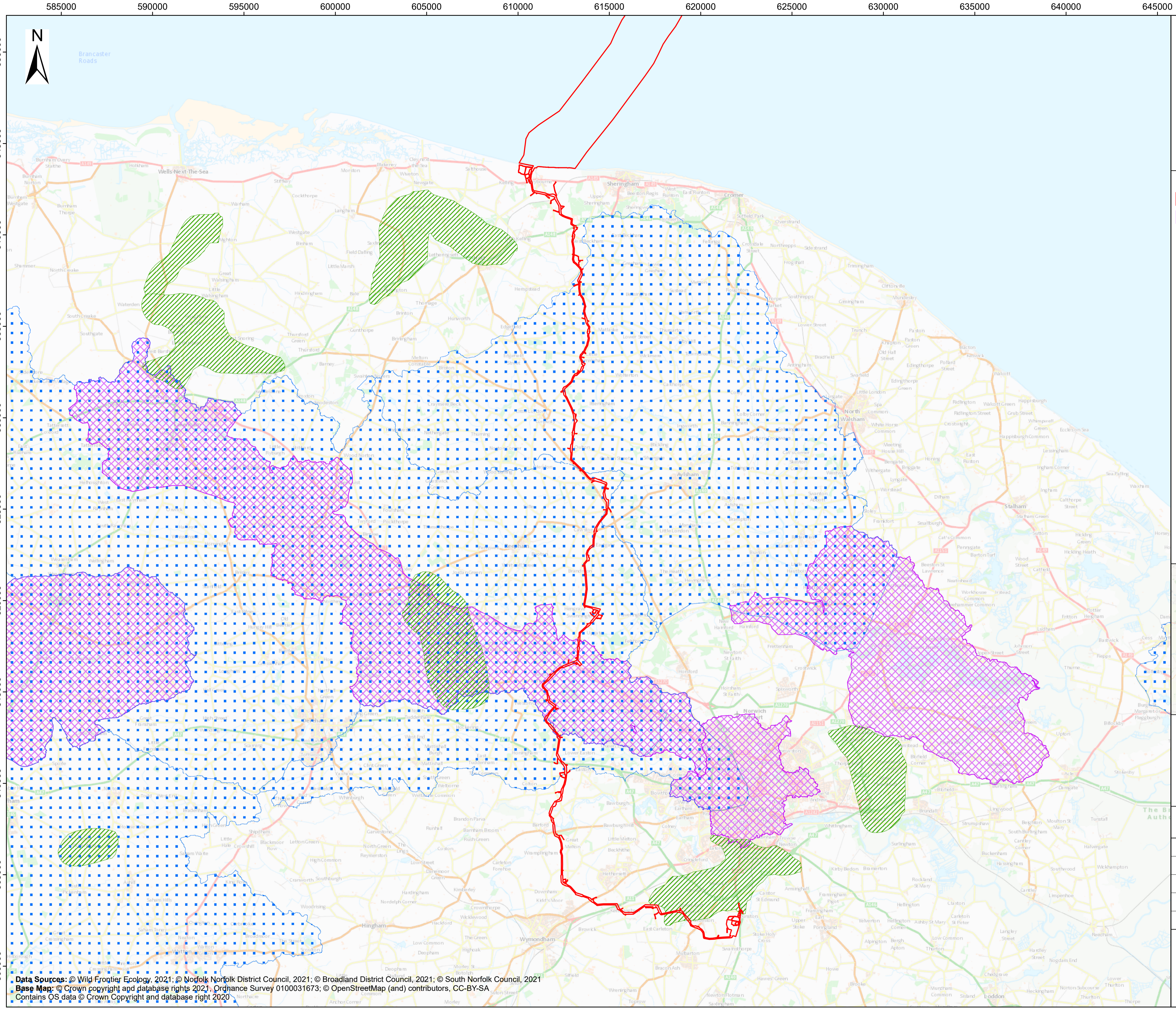
A	26/04/2023	First Issue	DE	CS	CS
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Appendix A.3

*This appendix has been produced to support the Applicant's response to the Examining Authority's Second Written Questions – Q2.24.2.1. This document should be read alongside **The Applicant's Responses to the Examining Authority's Second Written Questions** [document reference 16.2]*

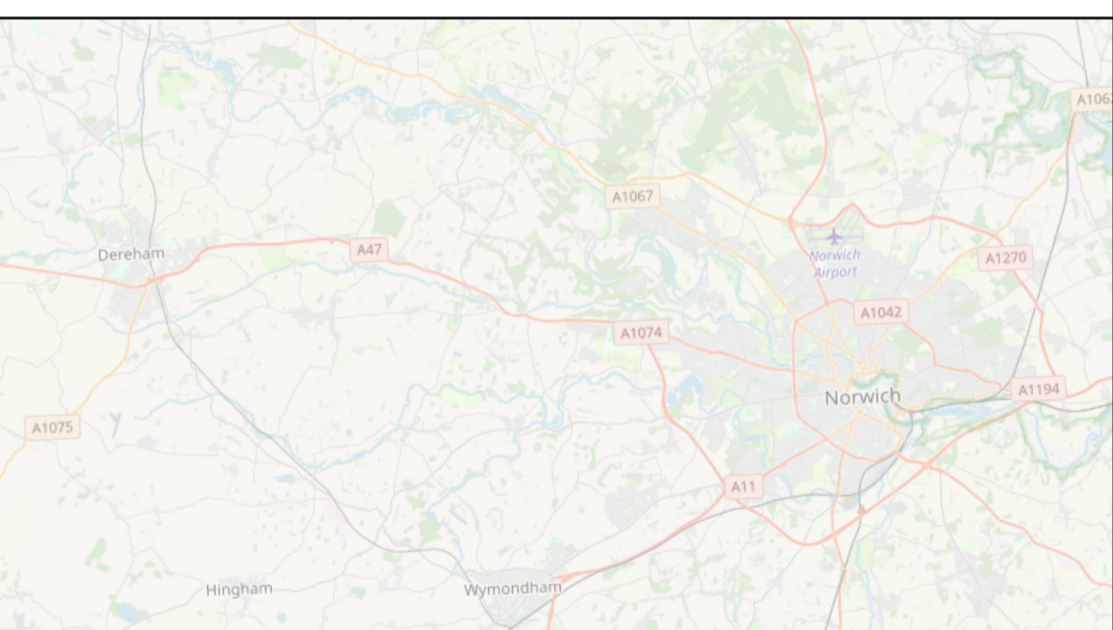


Sheringham Shoal and Dudgeon Extension Projects

Title: Q2.24.2.1: Drinking Water Protected Areas

Document: Appendix A - Supporting figures to the Applicant's Responses to the Examining Authority's Second Written Questions

- Legend:
- Updated Order Limits
 - Drinking Water Protected Areas Surface Water
 - Drinking Water Safeguard Zones Surface Water
 - Drinking Water Safeguard Zones Groundwater



Coordinate Reference System: British National Grid
 Transformation WGS84: OSGB_1936_To_WGS_1984_7

0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 1,000 Metres

0 1 2 3 4 5 6 7 8 Miles

Scale: 1:100,000 Scale at size: A1

Doc no. PB8164-RHD-ZZ-ON-M2-Z-0285

A	25/04/2023	First Issue	DE	CS	CS
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Appendix A.4

*This appendix has been produced to support the Applicant's response to the Examining Authority's Second Written Questions – Q2.6.2.1. This document should be read alongside **The Applicant's Responses to the Examining Authority's Second Written Questions** [document reference 16.2]*

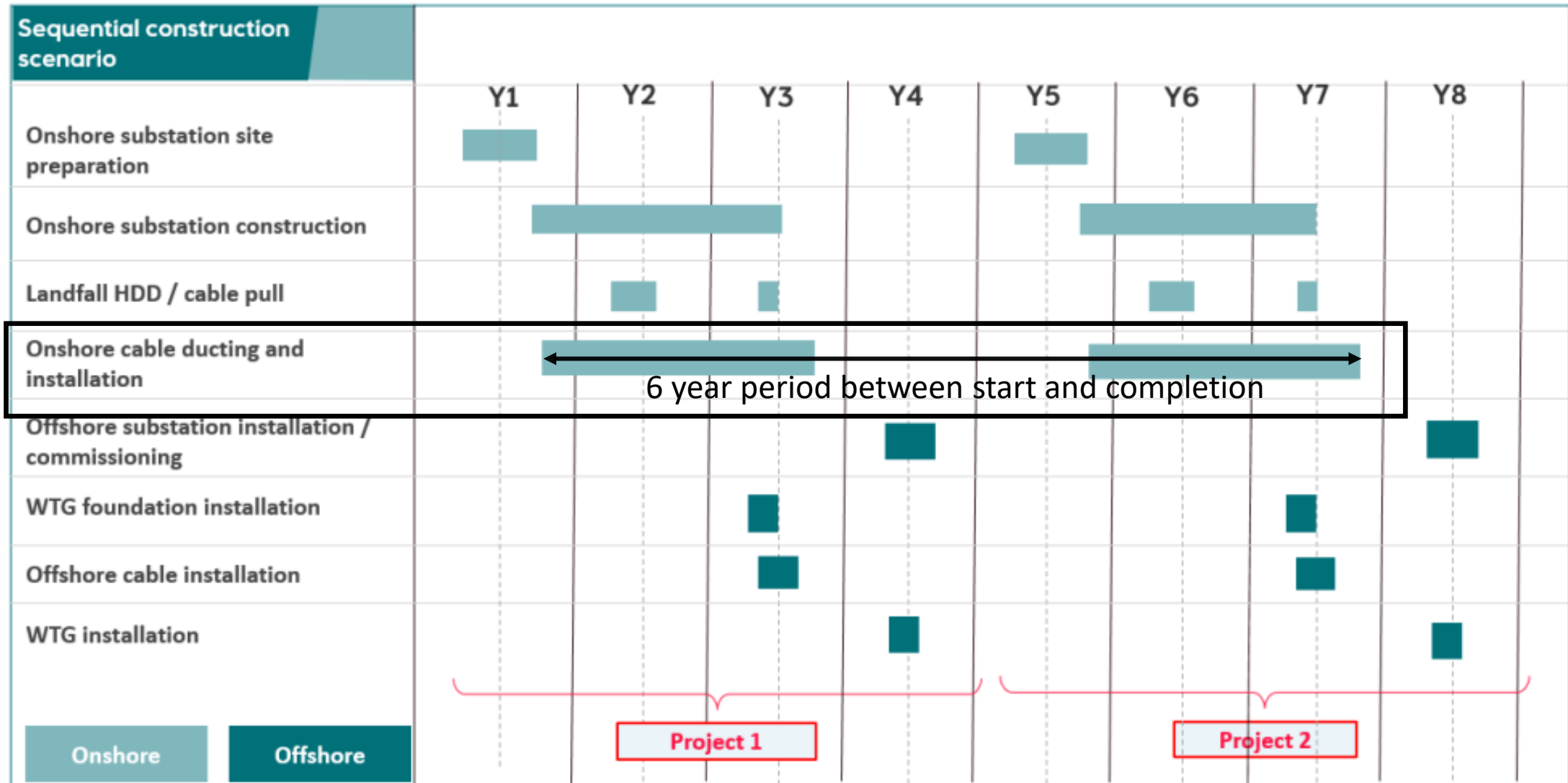
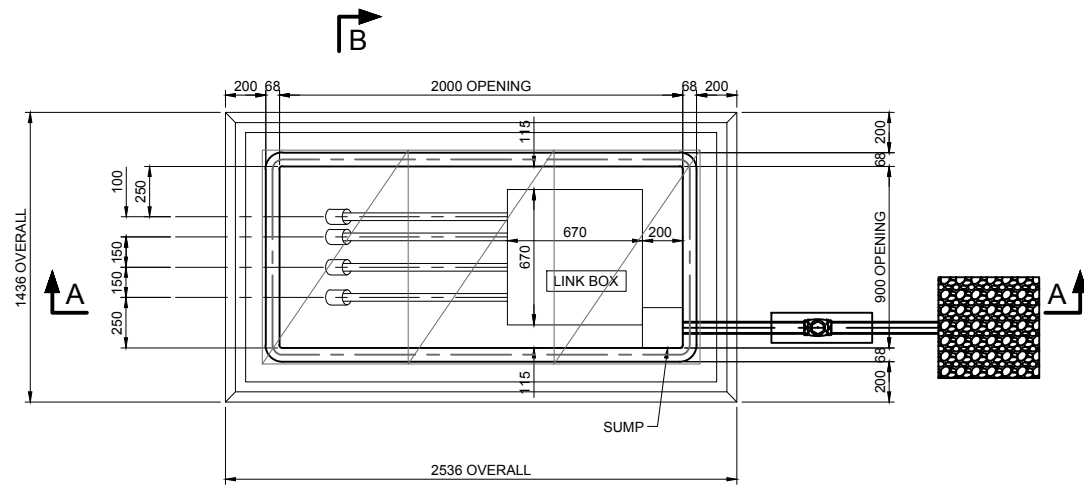


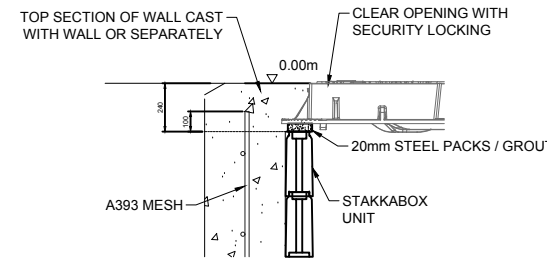
Plate 4-25: Indicative Construction Programme – SEP and DEP built sequentially with up to a 4-year gap between construction start dates

Appendix A.5

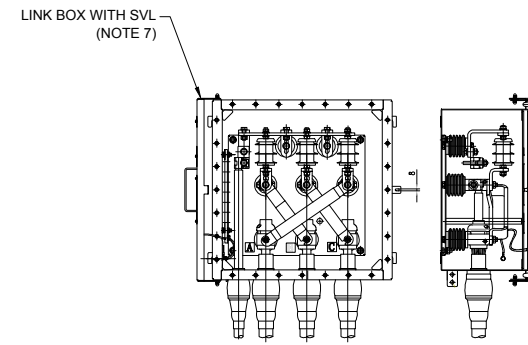
*This appendix has been produced to support the Applicant's response to the Examining Authority's Second Written Questions – Q2.6.2.5. This document should be read alongside **The Applicant's Responses to the Examining Authority's Second Written Questions** [document reference 16.2]*



PLAN



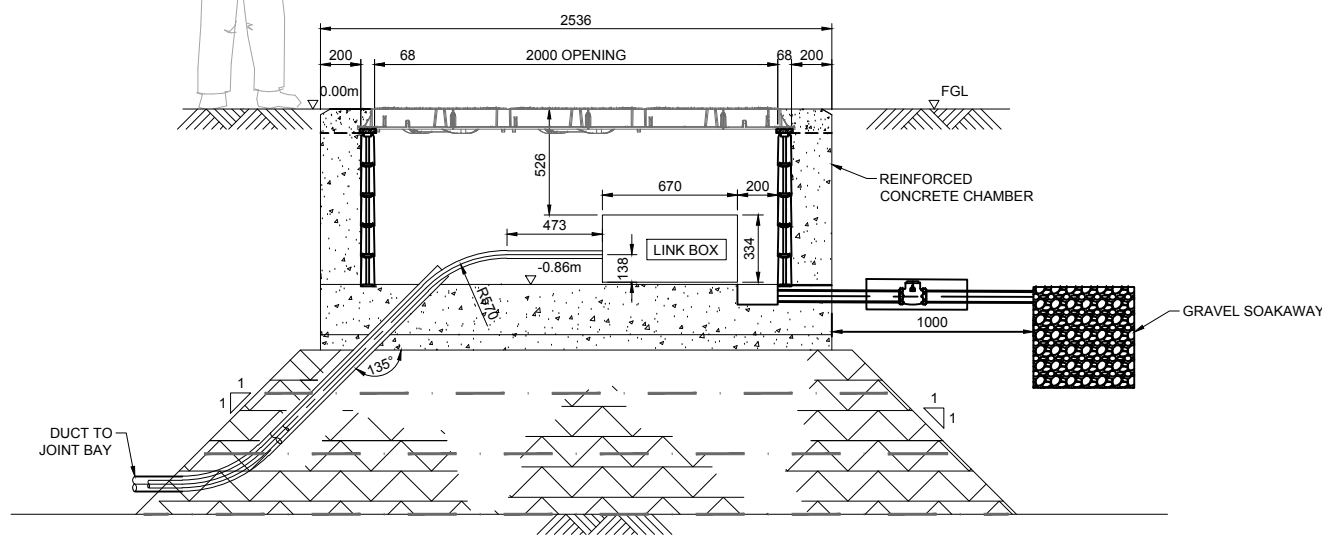
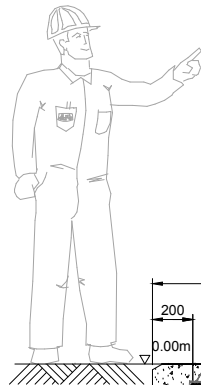
TYPICAL REBATE DETAIL



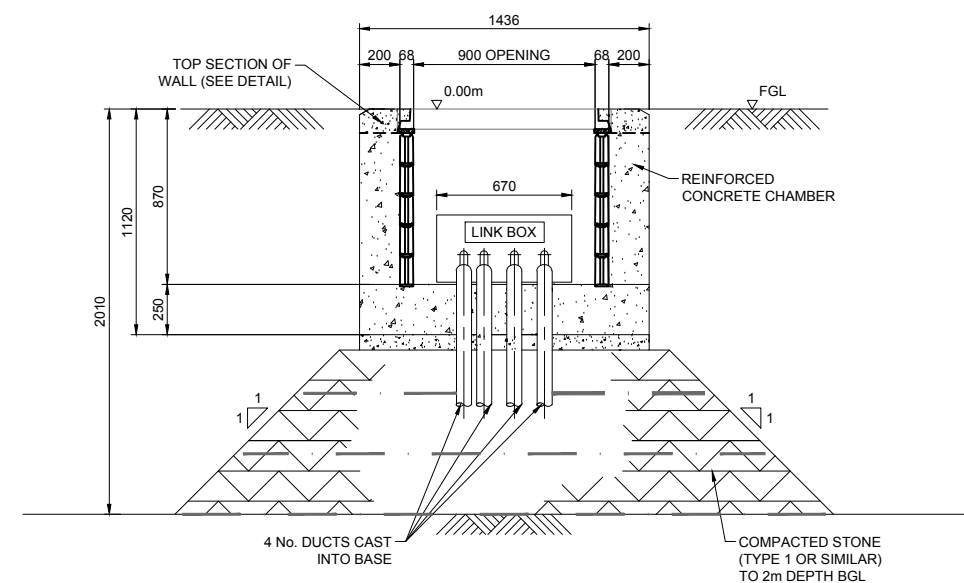
SECTION VIEW THROUGH LINK BOX ITEM 4 (NOTE 7)

NOTES:

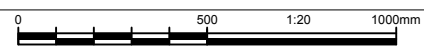
1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. MINIMUM LAP TO REINFORCEMENT IS 400mm.
4. MINIMUM COVER TO REINFORCEMENT 50mm.
5. CONCRETE TO ACHIEVE MINIMUM STRENGTH OF 25kn PRIOR TO LIFTING.
6. TRANSITION JOINT BAY TO BE FITTED WITH OPT-EMAX HIGH SECURITY LOCK (SCS TYPE). ALL OTHER LINK BOX CHAMBER LOCATIONS TO BE FITTED WITH OPT-EMAX STANDARD TURNBUCKLE LOCK.
7. FOR LINK BOX DETAILS REFER TO BONDING DIAGRAM



SECTION A-A



SECTION B-B



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F01	T.SOUTAR	D.NATHANAEL	D.NATHANAEL	15/12/21	FOR INFORMATION
REV	DRAWN	CHK	APP.	DATE	REVISION COMMENTS

Project:	EQUINOR ONSHORE CABLE ROUTE STUDY	
Revision:	F01	Dwg Title: TYPICAL LINK BOX DETAILS
Suitability:	S2	
Scale @ A3:	NTS	Dwg No: C282-MU-Z-XE-00206-01
Sheets:	1 OF 1	Purpose of Issue: FOR INFORMATION
Internal Proj.Ref:	1002-000591	Client Ref Number: -



Appendix A.6

*This appendix has been produced to support the Applicant's response to the Examining Authority's Second Written Questions – Q2.2.2.1 National Grid Existing Onshore Substation Locations **The Applicant's Responses to the Examining Authority's Second Written Questions** [document reference 16.2]*

320000

360000

400000



Sheringham Shoal and Dudgeon Extension Projects

Title:
Onshore Grid Substations

- Legend:
- Sheringham Shoal Extension
 - Dudgeon Extension
 - DOWF & SOWF, Existing Wind Farms
 - Export Cables SOWF & DOWF
 - Grid Substations
 - Electricity Transmission Overhead Lines

5920000

5880000

5840000

5800000

BICKER FEN
400KV S/S

SPALDING
NORTH
400KV S/S

WALPOLE
132KV S/S

WALPOLE
132KV
GIS S/S

WALPOLE
400KV S/S

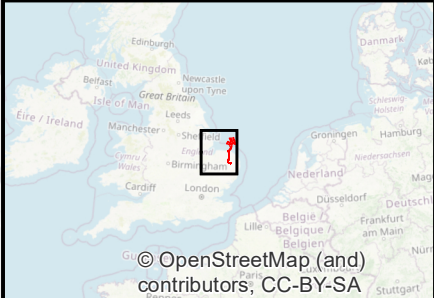
NECTON
400KV S/S

NORWICH
TROWSE
132KV S/S

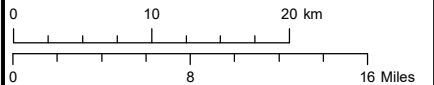
NORWICH
400KV S/S

BURWELL MAIN
132KV S/S

BURWELL MAIN
400KV S/S



Coordinate Reference System: WGS 1984 UTM Zone 31N
Transformation WGS84: OSGB_1936_To_WGS_1984_7



Scale: 1:548 845 Scale at size: A3

A	28/04/2023	First Issue	erihag		sarc
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