

Sea Link

Volume 6: Environmental Statement

Document 6.4.2.1

Part 2 Suffolk

Chapter 1

Landscape and Visual - Figures Part 1 of 7

Planning Inspectorate Reference: EN020026

Version: A

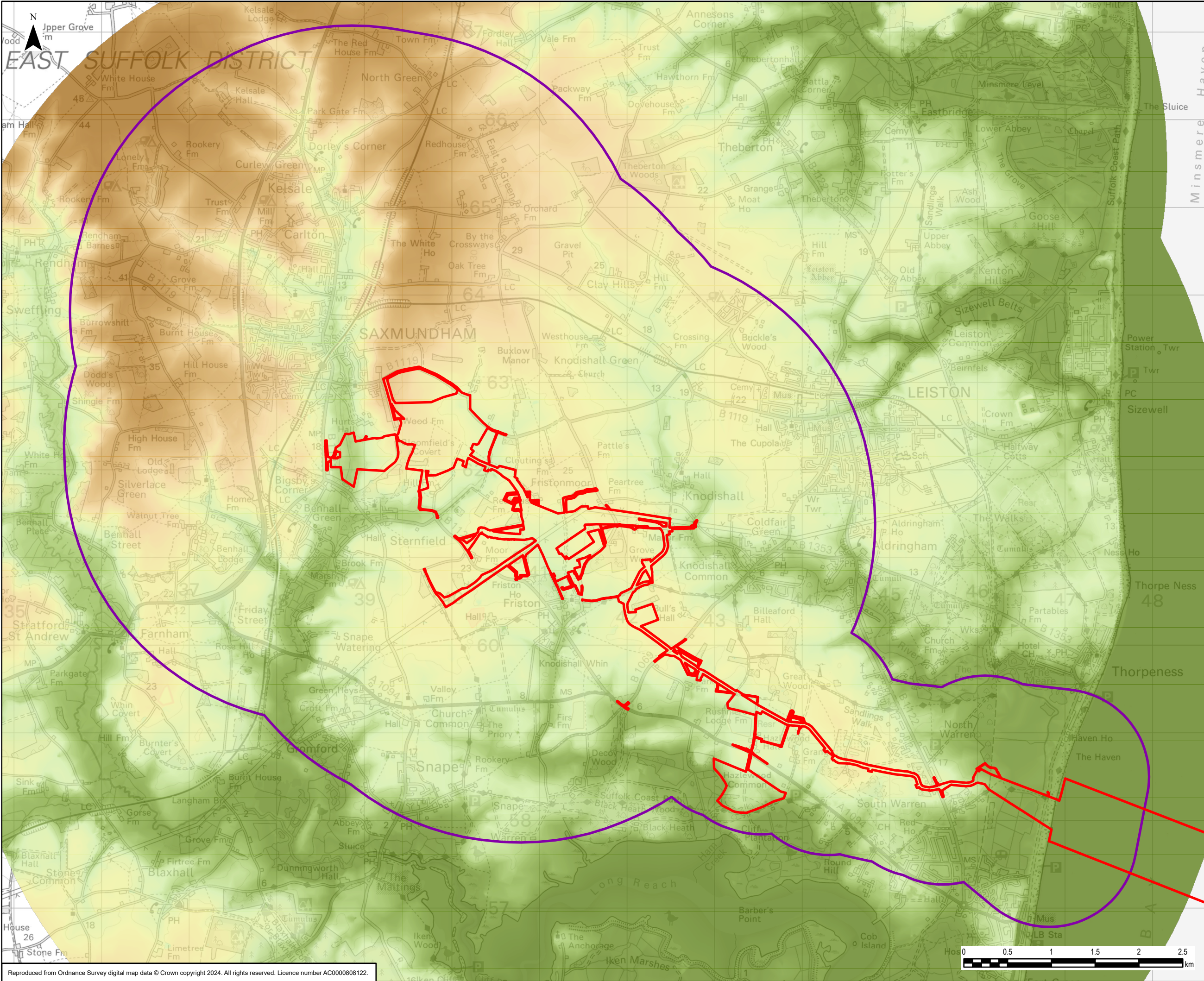
March 2025

Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(a)

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- Application Document 6.4.2.1.3 Landscape Character National & Regional
- Application Document 6.4.2.1.4 Landscape Character - County
- Application Document 6.4.2.1.5 Landscape Character - District
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Legend

Order Limits

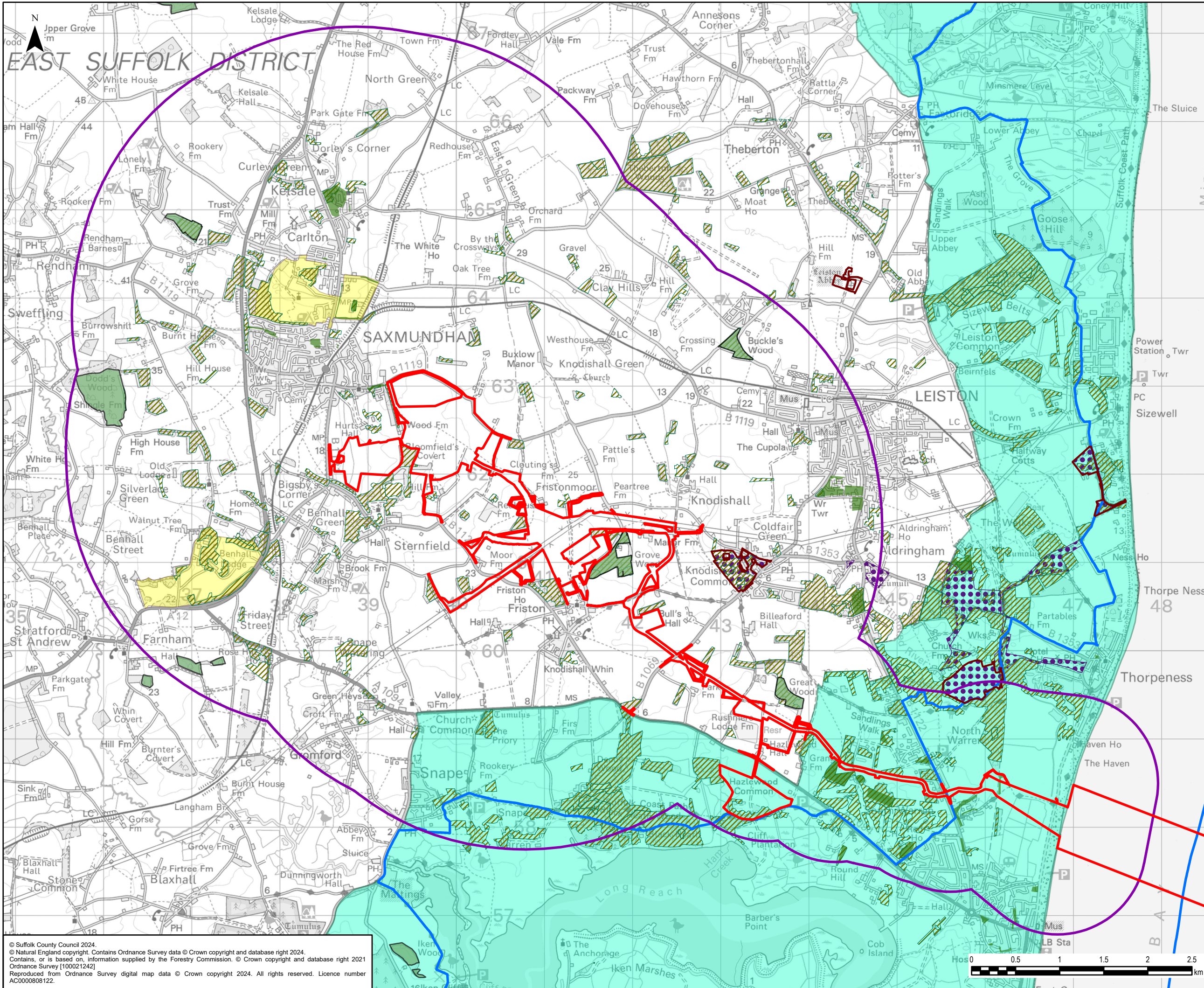
Landscape and Visual Study Area

Elevation (m) - OS Terrain 5

46.47

-2.9

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nationalgrid					
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Document Ref: FIGURE 6.4.2.1.1	Scale: 1:40,000	Format: A3	Sheets: 1	Rev: 0	



Legend

- Order Limits
- Landscape and Visual Study Area
- Tree Preservation Orders
- Ancient Woodland
- National Forest Inventory - Woodland
- Registered Common Land
- CRoW Section 15 Land
- Parks and Gardens of Historic or Landscape Interest
- Suffolk Coast and Heaths Area of Outstanding Natural Beauty
- Suffolk Heritage Coast (note this is defined rather than designated)

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Rev	Date	Description	GIS	Chk	App

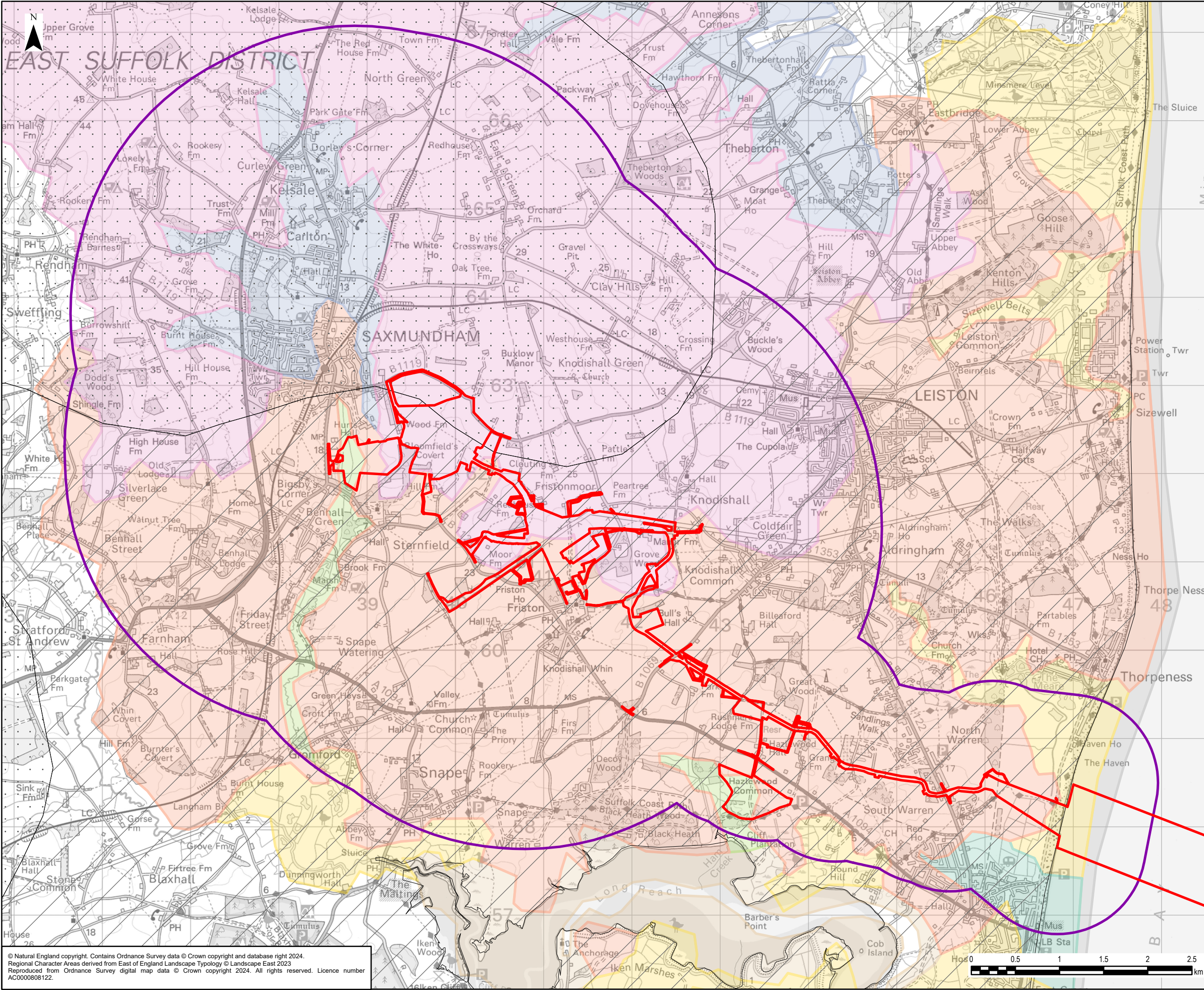
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Document Title:LANDSCAPE CONTEXT AND DESIGNATIONS

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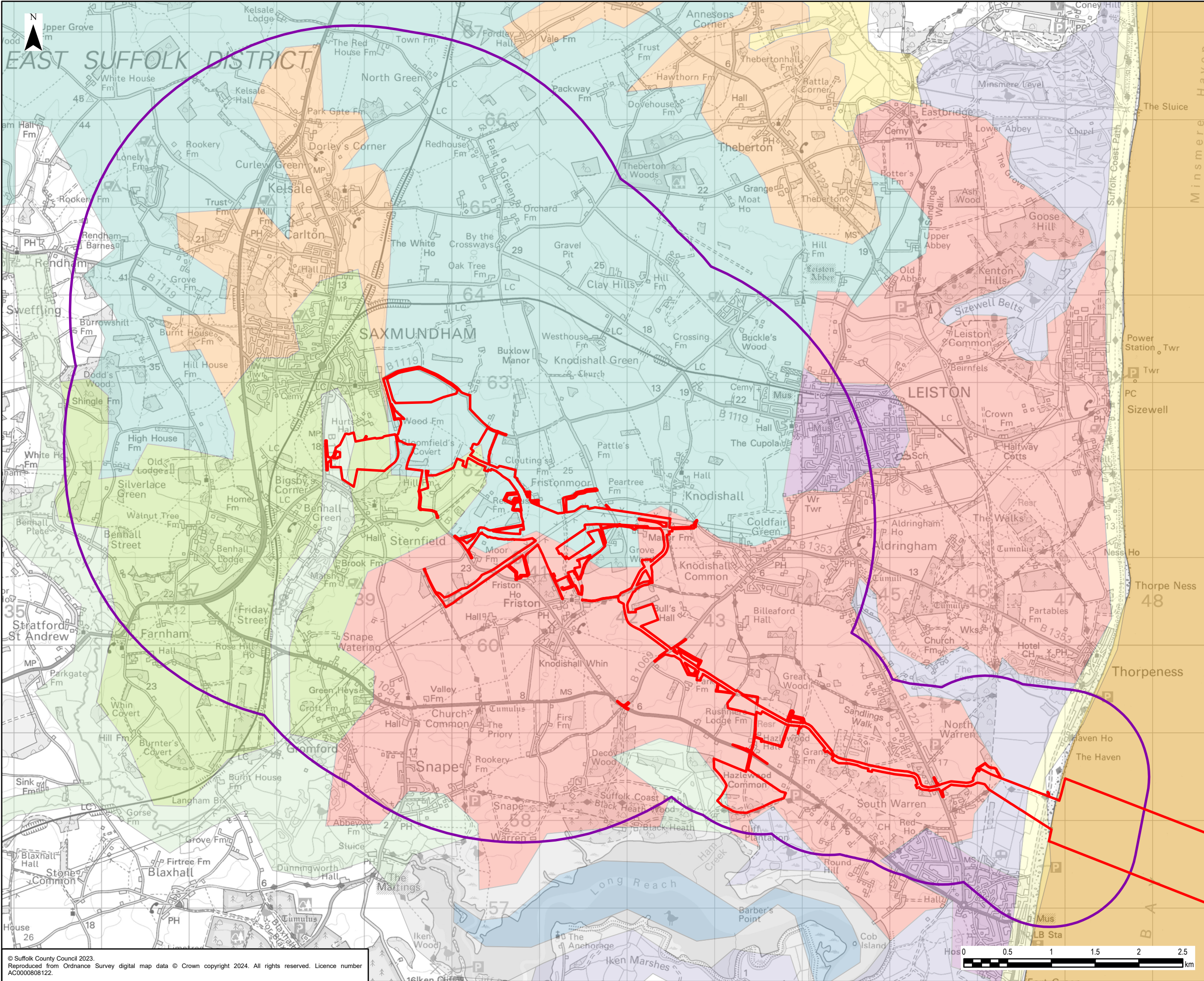
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- Legend**
- Order Limits
 - Landscape and Visual Study Area
 - National Character Areas
 - South Norfolk and High Suffolk Claylands
 - Suffolk Coast and Heaths
 - Regional Character Types
 - Landscape Character Type 0: Urban
 - Landscape Character Type 8: Forested Estate Sandlands
 - Landscape Character Type 12: Valley Settled Farmlands
 - Landscape Character Type 16: Wooded Plateau Claylands
 - Landscape Character Type 19: Valley Meadowlands
 - Landscape Character Type 25: Coastal Levels
 - Landscape Character Type 26: Saltmarsh and Intertidal Flats
 - Landscape Character Type 27: Coastal Dunes

0	16/01/2025	ENVIRONMENTAL STATEMENT	EB	DF	CW
Rev	Date	Description	GIS	Chk	App
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Creator: EB	Date: 16/01/2025	Checker: DF	Date: 16/01/2025	Approver: CW	Date: 16/01/2025
Document Ref: FIGURE 6.4.2.1.3	Scale: 1:40,000	Format: A3	Sheets: 1	Rev: 0	

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Regional Character Areas derived from East of England Landscape Typology © Landscape East 2023
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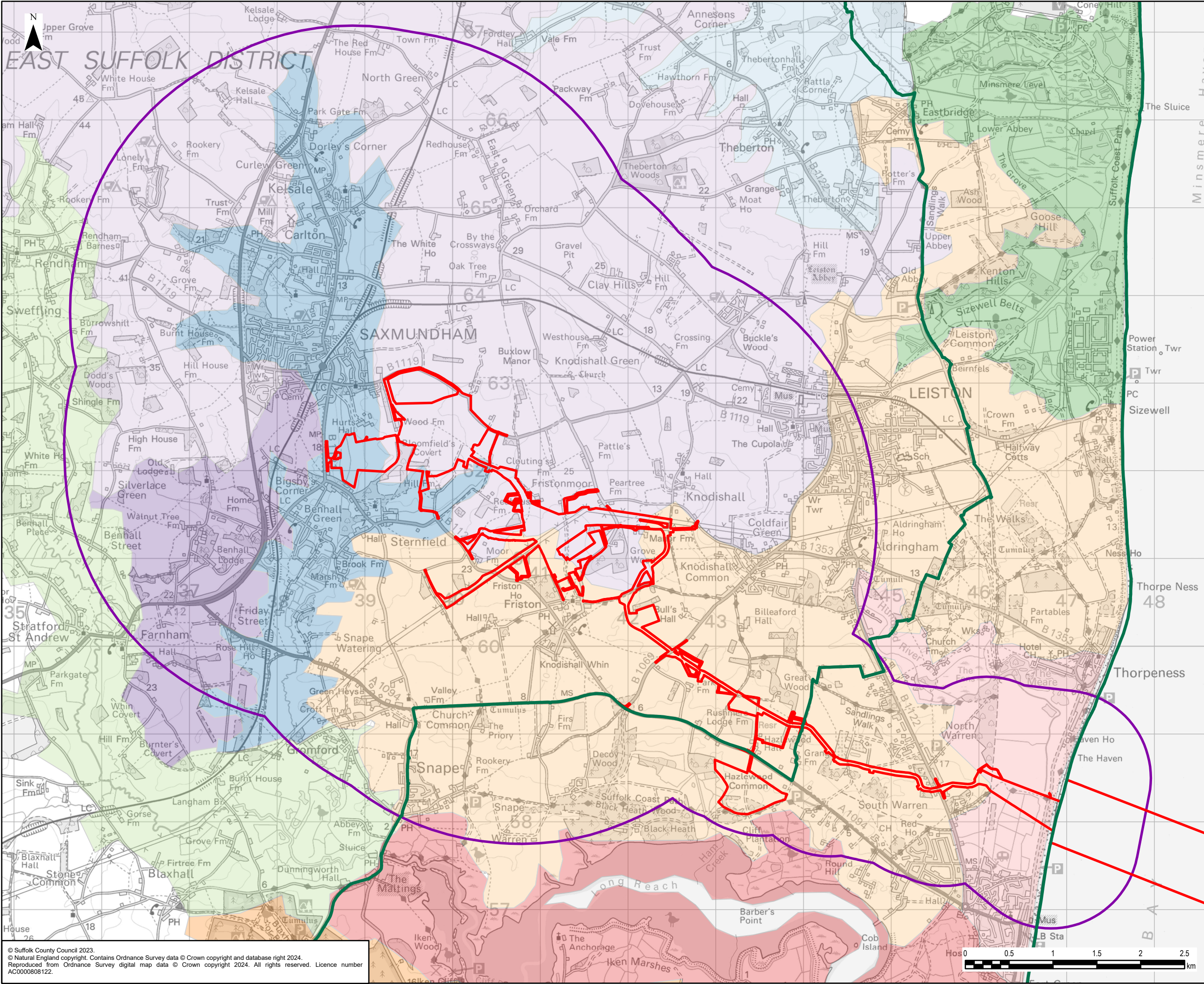
Legend

- Order Limits
- Landscape and Visual Study Area

County Character Areas

- Ancient estate claylands
- Coastal dunes & shingle ridges
- Coastal levels
- Estate Sandlands
- Inland navigable waters
- Rolling estate claylands
- Rolling estate sandlands
- Rolling valley claylands
- Saltmarsh & inter-tidal flats
- Urban
- Valley meadowlands
- Valley meadows & fens
- Nearshore Waters

0	16/01/2025	ENVIRONMENTAL STATEMENT	EB	DF	CW
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Document Ref: FIGURE 6.4.2.1.4	Scale: 1:40,000	Format: A3	Sheets: 1	Rev: 0	



Legend

Order Limits

Landscape and Visual Study Area

Suffolk Coastal Landscape Character Assessment

B3: Yox Valley

B4: Fromus Valley

B5: Alde Valley

D3: Minsmere and Sizewell Coast

D4: Thorpeness to Aldeburgh

J4: Alde Estuary

K3: Aldringham and Friston Sandlands

K4: Rendlesham and Tunstall Sandlands

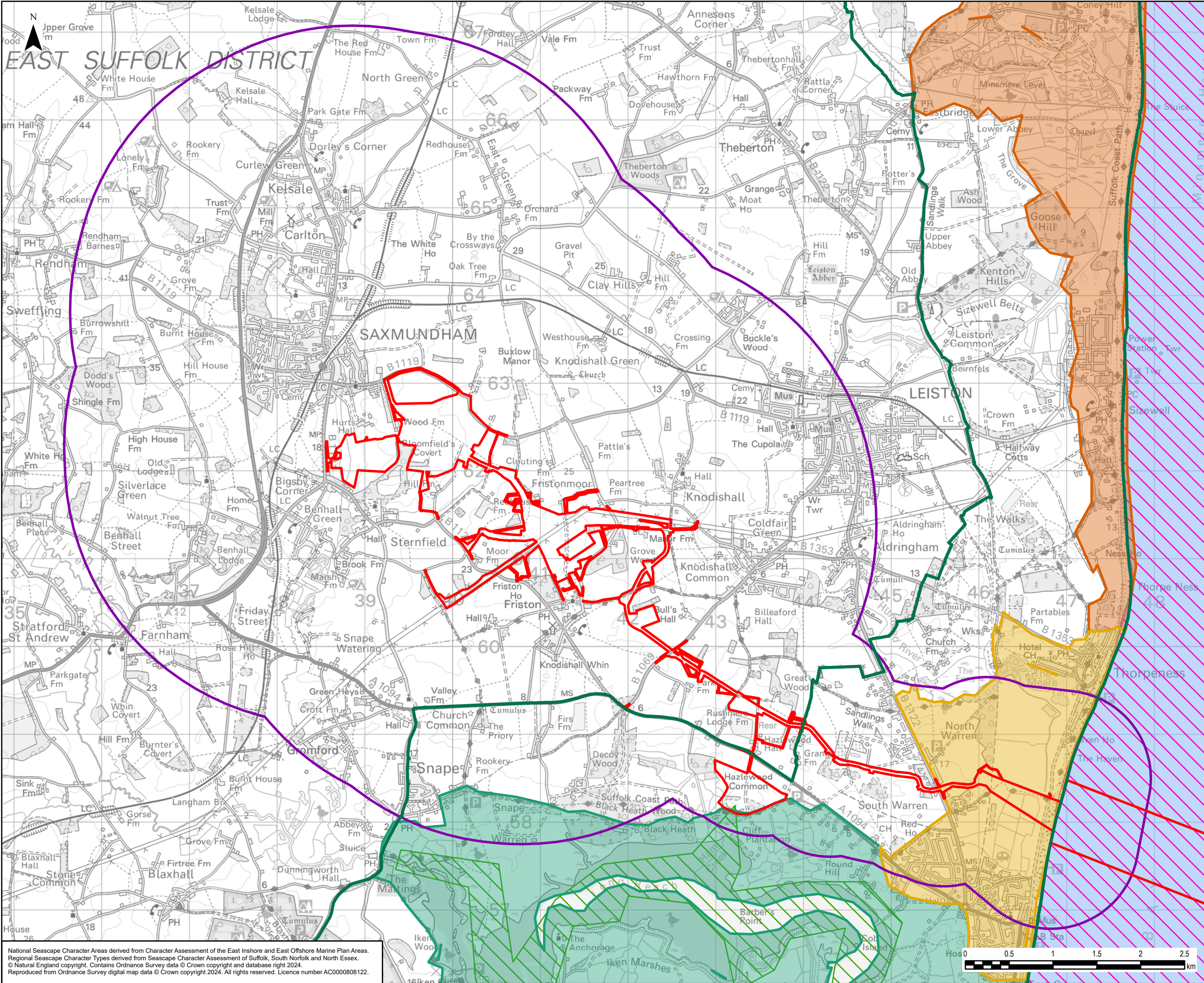
L1: Heveningham and Knodishall Estate Claylands

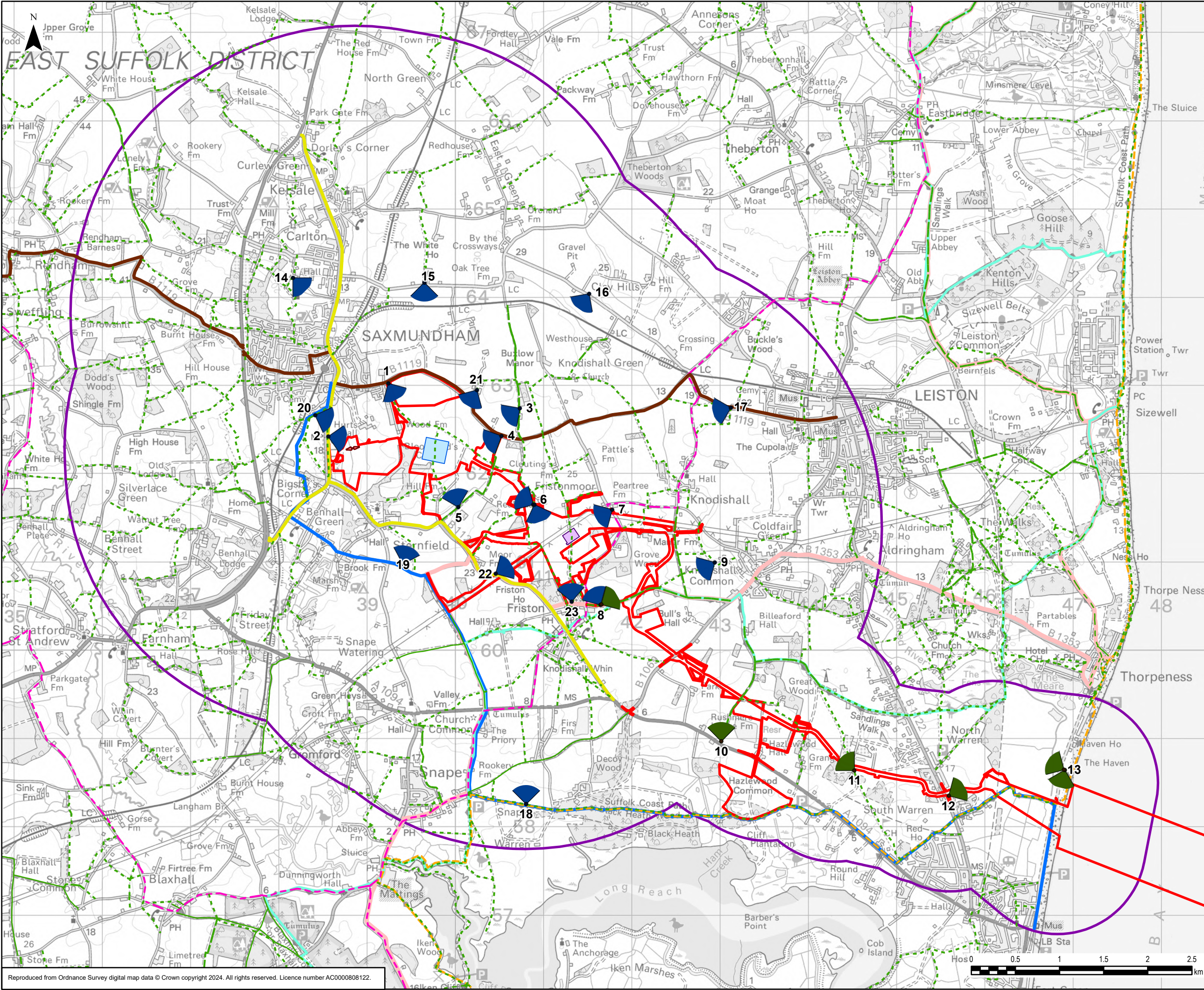
O1: Benhall Estate Sandlands

Suffolk Coast and Heaths

Area of Outstanding Natural Beauty

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Document Title:					
LANDSCAPE CHARACTER - DISTRICT					
Creator: EB	Date: 16/01/2025	Checker: DF	Date: 16/01/2025	Approver: CW	Date: 16/01/2025
Document Ref: FIGURE 6.4.2.1.5	Scale: 1:40,000	Format: A3	Sheets: 1	Rev: 0	





Legend

Order Limits

Landscape and Visual Study Area

Proposed Project Friston Substation - 18m Height

Converter Station - 26m Height

Fromus Bridge - 6m Height

Representative Viewpoint

Type 1

Type 1 and Type 3

Suffolk Coastal Cycle Route

Wolf Way Cycle Route

Sailors' Path

Sandlings Walk

Suffolk Coast Path

Public Rights of Way

Footpath

Bridleway

Restricted Byway

Byway Open to All Traffic

Road

B1119

B1121

0	03/02/2025	ENVIRONMENTAL STATEMENT	EB	DF	CW
Rev	Date	Description	GIS	Chk	App

nationalgrid

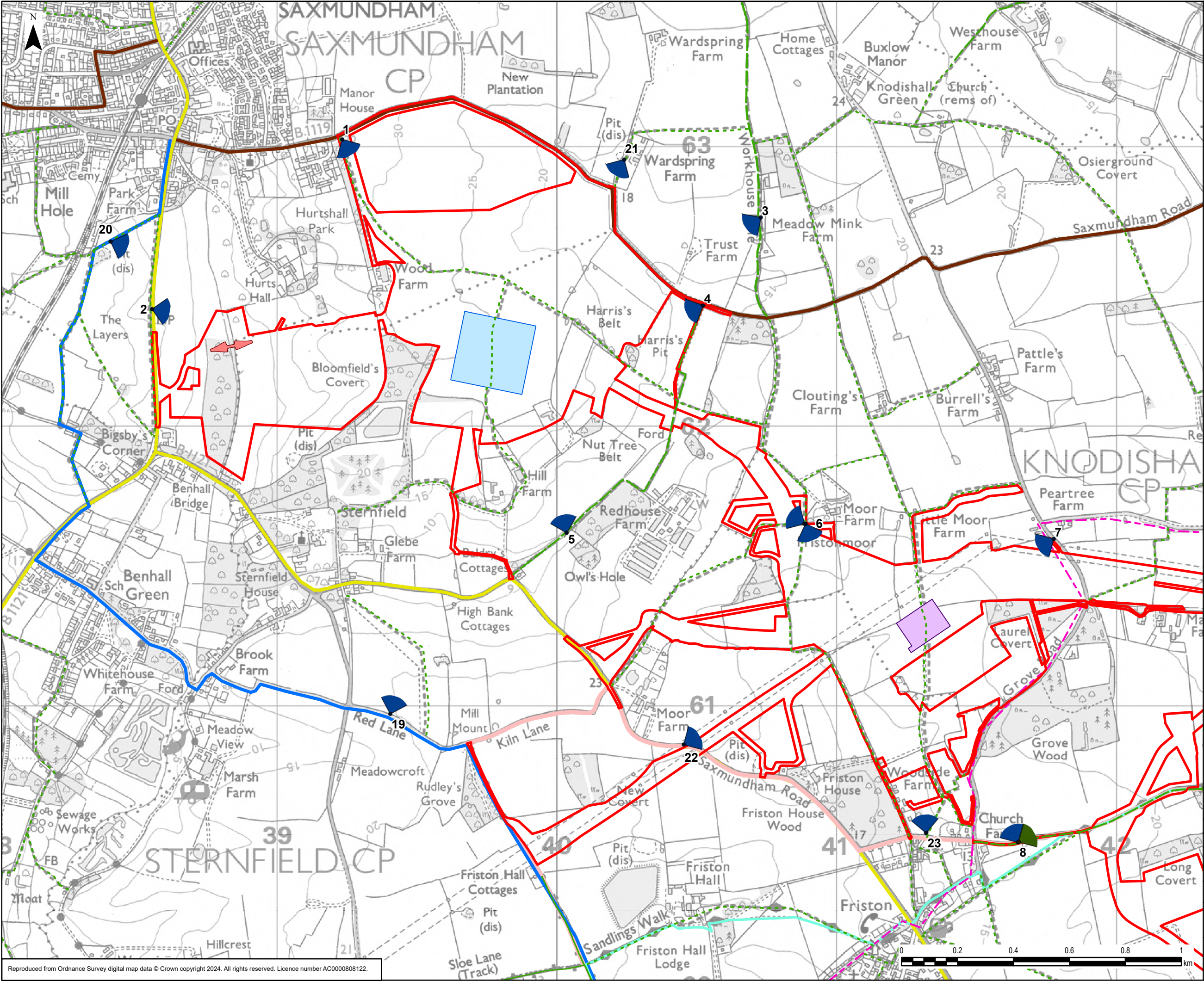
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Legend

- Order Limits
- Proposed Project Friston Substation - 18m Height
- Converter Station - 26m Height
- Fromus Bridge - 6m Height
- Representative Viewpoint
 - Type 1
 - Type 1 and Type 3
- Suffolk Coastal Cycle Route
- Wolf Way Cycle Route
- Sailors' Path
- Sandlings Walk
- Public Rights of Way
 - Footpath
 - Bridleway
 - Restricted Byway
- Road
 - B1119
 - B1121

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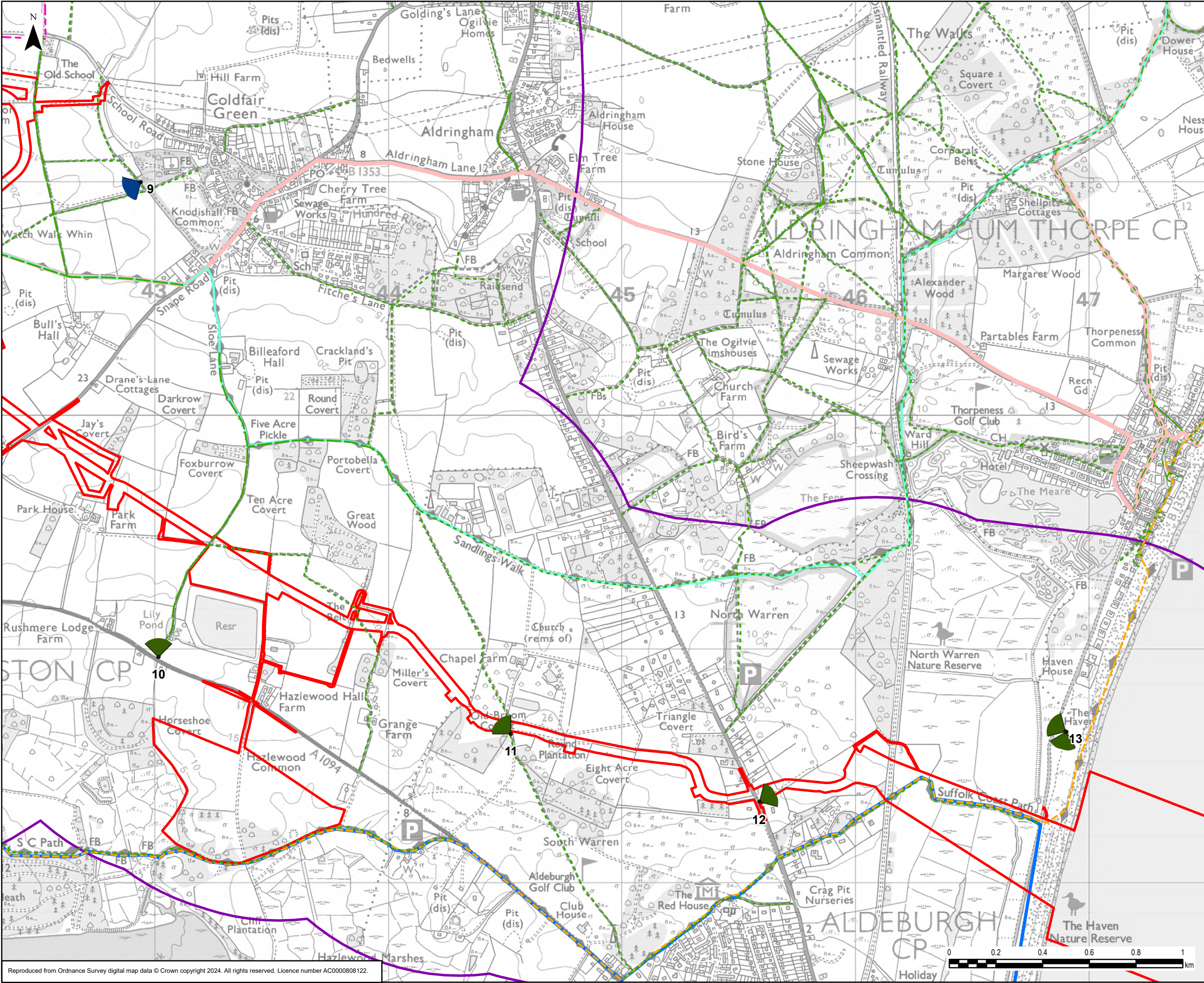
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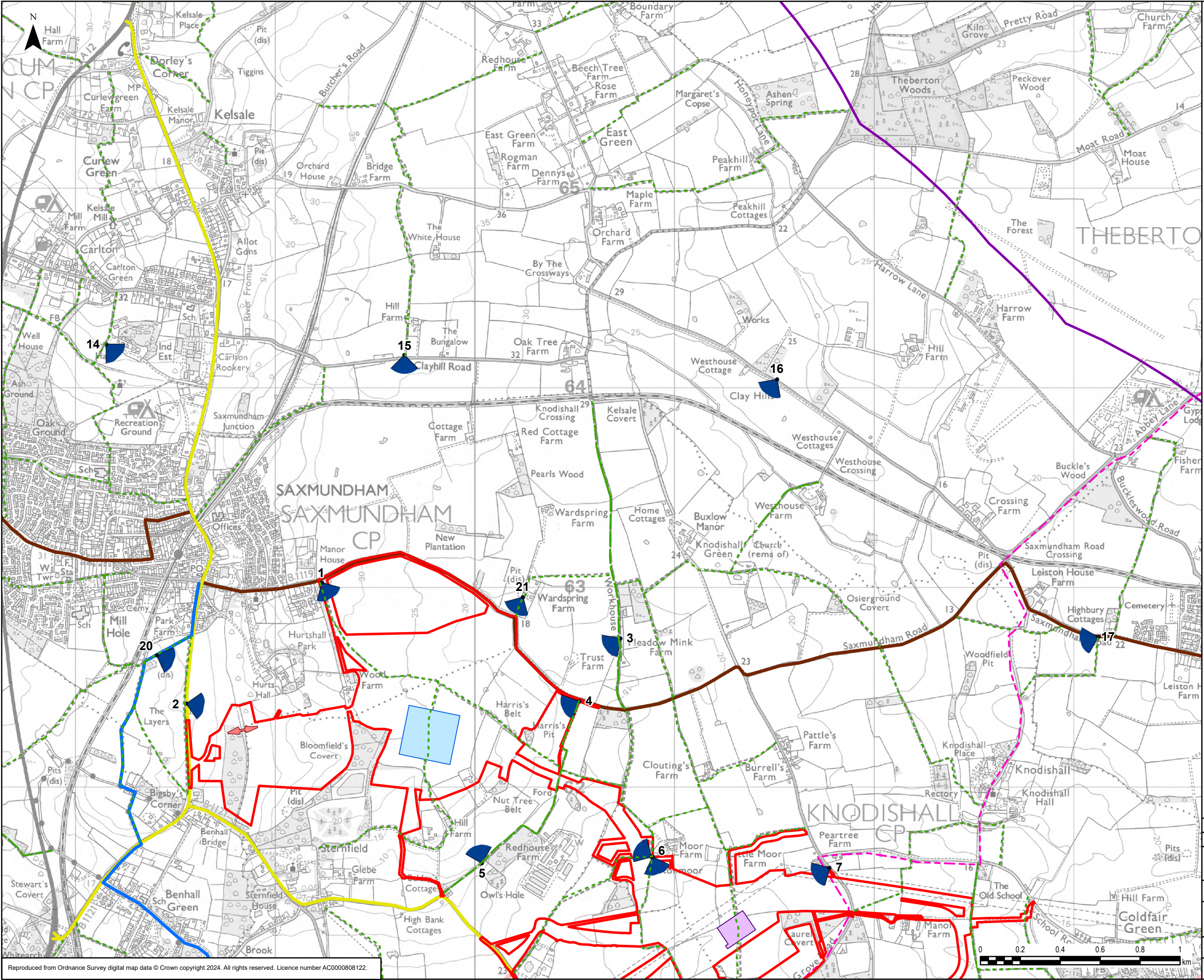
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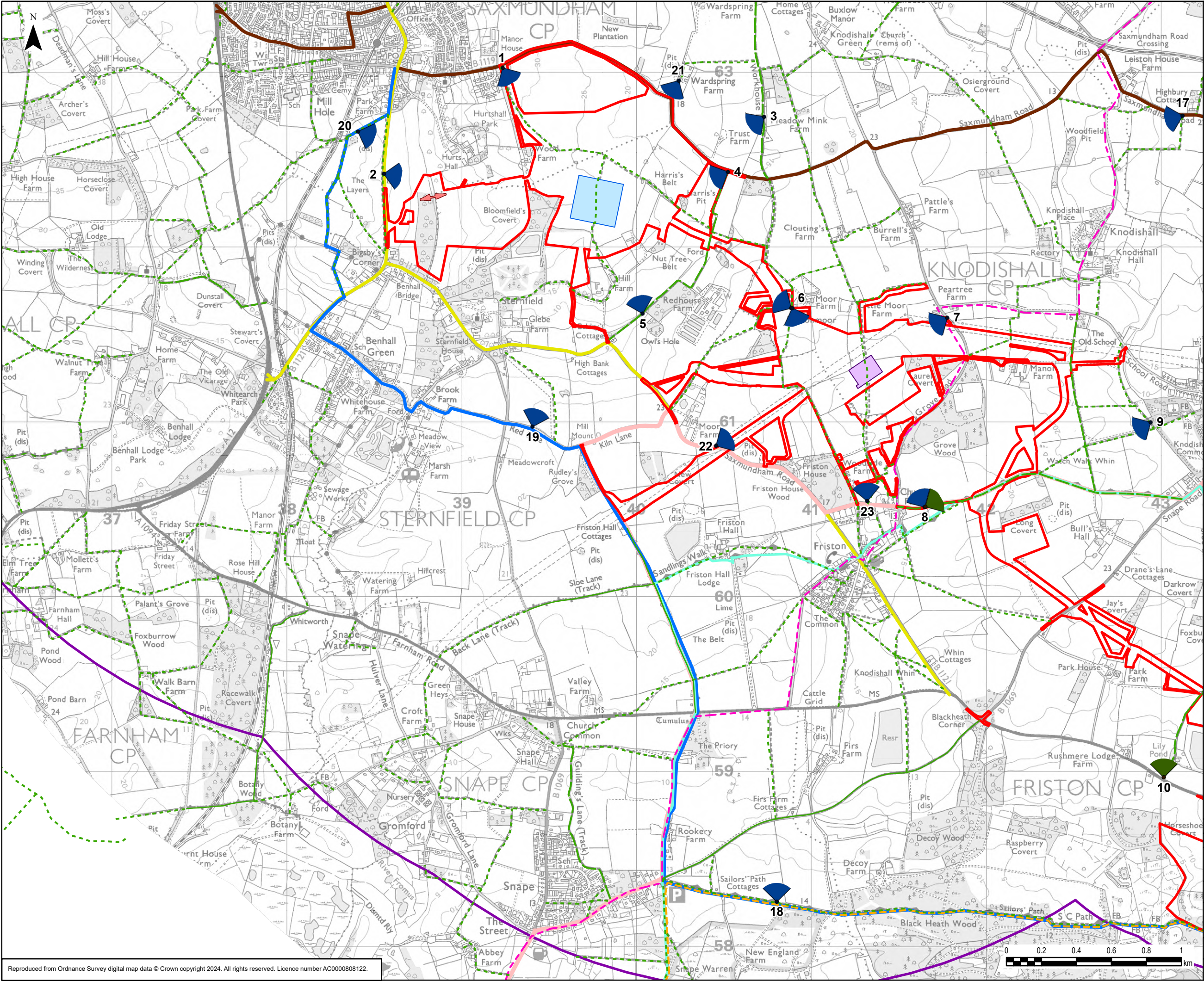
- Legend**
- Order Limits
 - Landscape and Visual Study Area
 - Representative Viewpoint
 - Type 1
 - Type 1 and Type 3
 - Suffolk Coastal Cycle Route
 - Wolf Way Cycle Route
 - Sailors' Path
 - Sandlings Walk
 - Suffolk Coast Path
 - Public Rights of Way
 - Footpath
 - Bridleway
 - Restricted Byway
 - Byway Open to All Traffic

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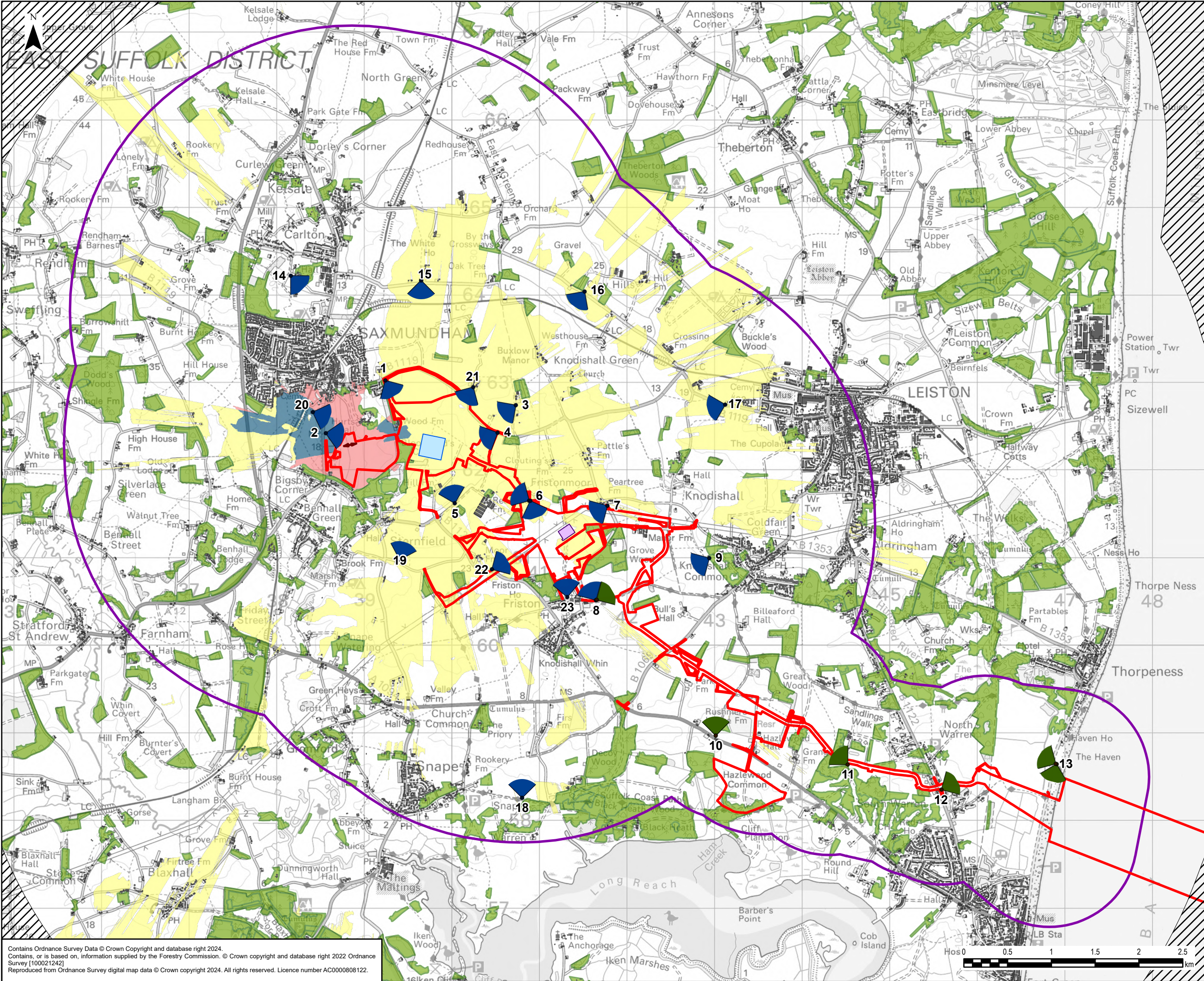
- Legend**
- Order Limits
 - Landscape and Visual Study Area
 - Proposed Project Friston Substation - 18m Height
 - Converter Station - 26m Height
 - Fromus Bridge - 6m Height
 - Representative Viewpoint
 - Type 1 and Type 3
 - Suffolk Coastal Cycle Route
 - Wolf Way Cycle Route
 - Sailors' Path
 - Public Rights of Way
 - Footpath
 - Restricted Byway
 - Road
 - B1119
 - B1121

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- Legend**
- Order Limits
 - Landscape and Visual Study Area
 - Proposed Project Friston Substation - 18m Height
 - Converter Station - 26m Height
 - Fromus Bridge - 6m Height
 - Representative Viewpoint
 - Type 1
 - Type 1 and Type 3
 - Suffolk Coastal Cycle Route
 - Wolf Way Cycle Route
 - Sailors Path to the Coast at Aldeburgh
 - Sandlings Walk
 - Suffolk Coast Path
 - Public Rights of Way
 - Footpath
 - Bridleway
 - Restricted Byway
 - Byway Open to All Traffic
 - Road
 - B1119
 - B1121

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Document Ref: FIGURE 6.4.2.1.7D	Scale: 1:20,000	Format: A3	Sheets: 1	Rev: 0	



Legend

Order Limits

Landscape and Visual Study Area

Proposed Project Friston Substation - 18m Height

Converter Station - 26m Height

Fromus Bridge - 6m Height

No 5m Digital Terrain Model Coverage

Existing Building - 7.5m Height

National Forest Inventory - Woodland - 10m Height

Representative Viewpoint

Type 1

Type 1 and Type 3

Zone of Theoretical Visibility

Converter Station only

Fromus Bridge only

Converter Station & Fromus Bridge

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 Digital Terrain Model which does not take into account the screening effects of vegetation, buildings or other structures.

Existing Buildings have been incorporated into the Digital Terrain Model from OS OpenMap Local with an assumed height of 7.5m.

Woodland from National Forest Inventory has also been incorporated into the Digital Terrain Model with an assumed height of 10m.

The ZTV is based about a set of Fishnet points produced at 20m intervals, as well as 20m interval points around the edges of the Converter Station and Fromus Bridge footprints, at a height of 26m (above a platform of 3.5m AOD) for the Converter Station, and 6m for Fromus Bridge, with an observer eye height of 1.6m.

All heights mentioned above are above ground level (AGL) unless otherwise specified.

1 - See Part 2, Chapter 1, Landscape and Visual for further information.

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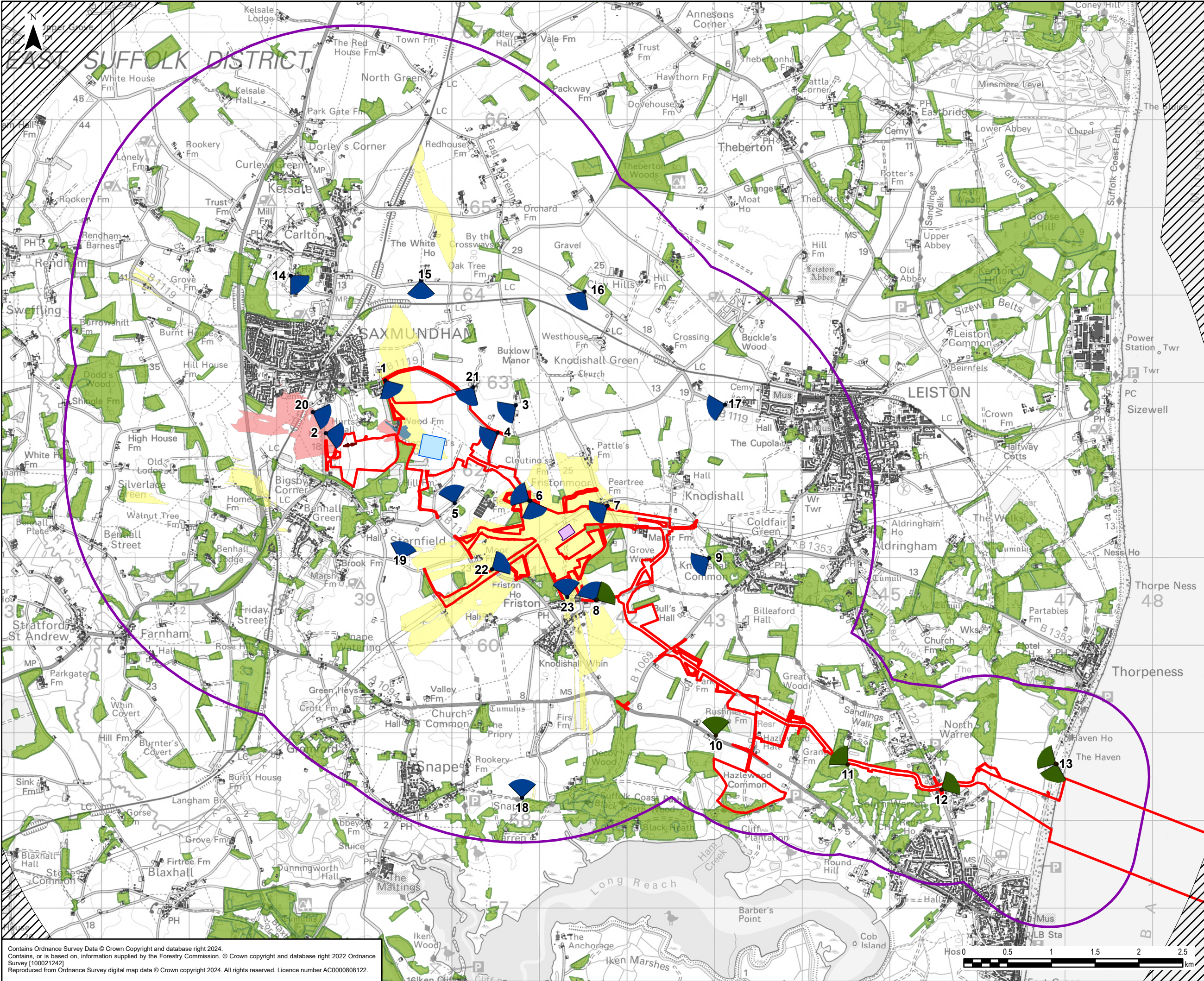
SEA LINK

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REPRESENTATIVE VIEWPOINT LOCATIONS AND SCREENED ZONE OF THEORETICAL VISIBILITY - SEA LINK AND FRISTON SCENARIO 1

Creator: <div>EB</div>	Date: <div>10/02/2025</div>	Checker: <div>DF</div>	Date: <div>10/02/2025</div>	Approver: <div>CW</div>	Date: <div>10/02/2025</div>
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Legend

- Order Limits
- Landscape and Visual Study Area
- Proposed Project Friston Substation - 18m Height
- Converter Station - 26m Height
- Fromus Bridge - 6m Height
- No 5m Digital Terrain Model Coverage
- Existing Building - 7.5m Height
- National Forest Inventory - Woodland - 10m Height

Representative Viewpoint

- Type 1
- Type 1 and Type 3

Zone of Theoretical Visibility

- Proposed Project Friston Substation only
- Converter Station and Fromus Bridge only
- Proposed Project Friston Substation, Converter Station and Fromus Bridge

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 Digital Terrain Model which does not take into account the screening effects of vegetation, buildings or other structures. Existing Buildings have been incorporated into the Digital Terrain Model from OS OpenMap Local with an assumed height of 7.5m. Woodland from National Forest Inventory has also been incorporated into the Digital Terrain Model with an assumed height of 10m. The ZTV is based about a set of Fishnet points produced at 20m intervals, as well as 20m interval points around the edges of the Converter Station, Substation and Fromus Bridge footprints, at a height of 26m for the Converter Station and 18m for the Substation (above a platform of 3.5m AOD), and 6m for Fromus Bridge, with an observer eye height of 1.6m. All heights mentioned above are above ground level (AGL) unless otherwise specified. 1 - See Part 2, Chapter 1, Landscape and Visual for further information.

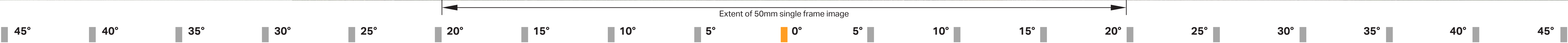
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Rev	Date	Description	GIS	Chk	App

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Creator: EB	Date: 03/02/2025	Checker: DF	Date: 03/02/2025	Approver: CW	Date: 03/02/2025
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BASELINE (WINTER)



AECOM
Delivering a better world

Visualisation Type: 3

Projection: Cylindrical

Enlargement Factor: 96%

Paper Size: A1

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Lens: Sigma 50mm f/1.4 DG HSM

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Direction of View: South East

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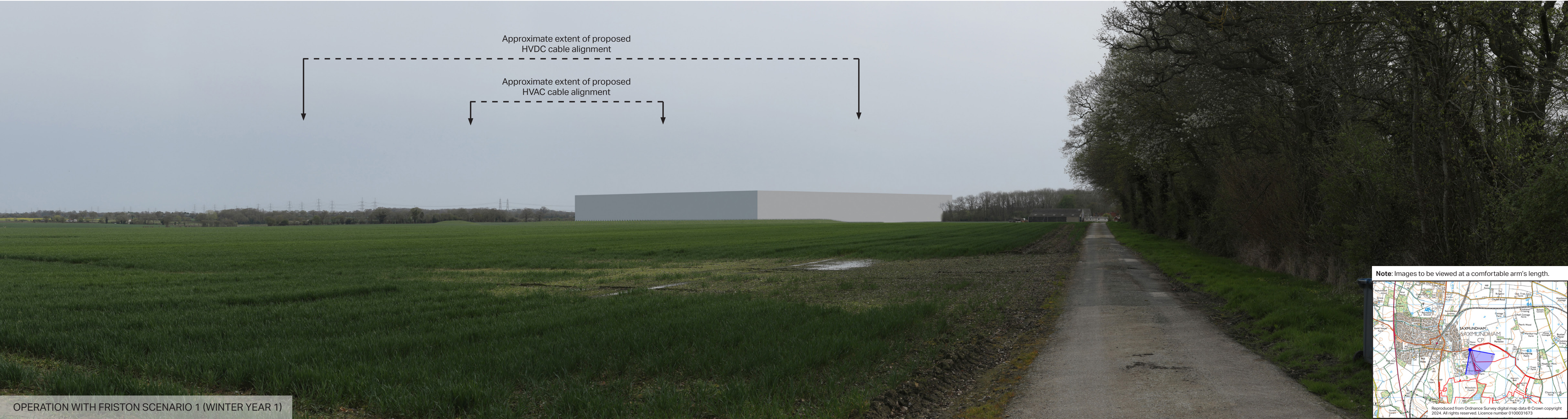
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Height of Camera: 1.6m

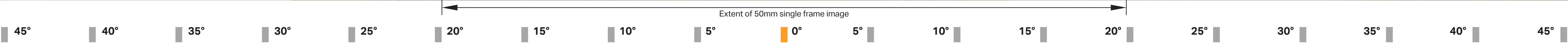
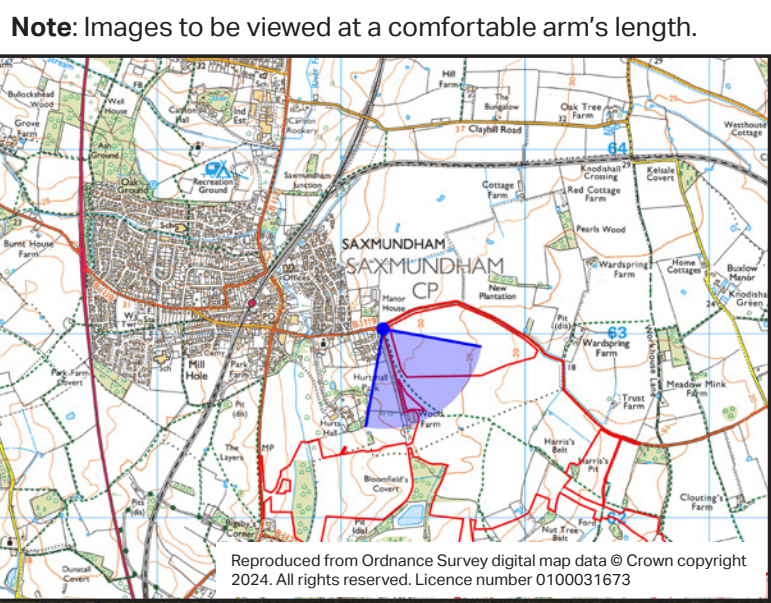
Sea Link Suffolk Onshore Scheme


Viewpoint 1: Public Footpath (Saxmundham 460, route 23), east of Saxmundham, looking southeast

Application Document 6.4.2.1.10-A Representative Viewpoint Visualisations (sheet 1 of 6)



OPERATION WITH FRISTON SCENARIO 1 (WINTER YEAR 1)





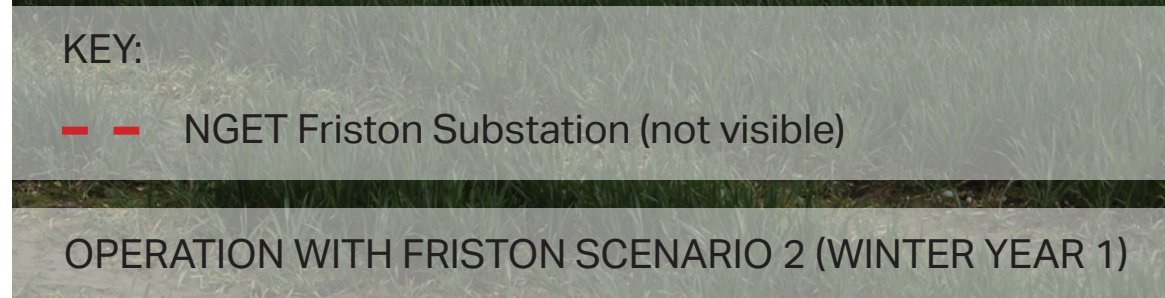
Delivering a better world

Visualisation Type:	3	Camera:	Canon EOS 5D MkIV	Eye level:	33.3m	Note: The block photomontage shows the maximum parameters for the Proposed Development. The block photomontage assumes under Friston Scenario 1 that Friston Substation has been constructed under the SPR consent, so is not shown in the photomontage.
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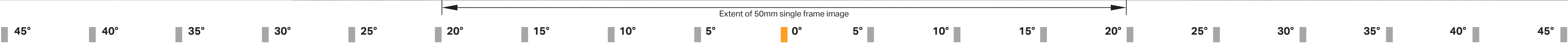
Sea Link Suffolk Onshore Scheme

Viewpoint 1: Public Footpath (Saxmundham 460, route 23), east of Saxmundham, looking southeast

Application Document 6.4.2.1.10-A Representative Viewpoint Visualisations (sheet 2 of 6)



Application Document 6.4.2.1.10-A Representative Viewpoint Visualisations (sheet 3 of 6)



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Visualisation Type: 3

Projection: Cylindrical

Enlargement Factor: 96%

Paper Size: A1

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Lens: Canon EF50mm f/1.8 STM

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Direction of View: South East

Location: E639225 N263029

Eye level: 33.3m

Height of Camera: 1.6m

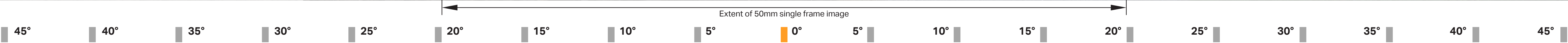
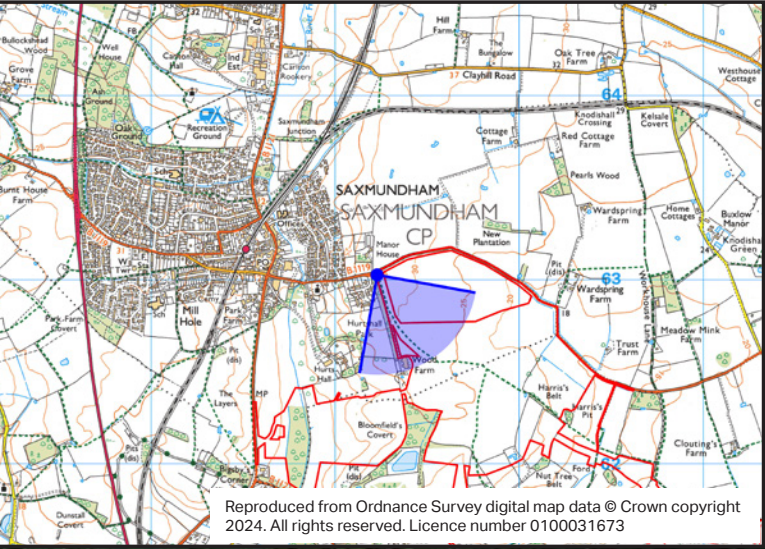
Sea Link Suffolk Onshore Scheme

Viewpoint 1: Public Footpath (Saxmundham 460, route 23), east of Saxmundham, looking southeast

Application Document 6.4.2.1.10-A Representative Viewpoint Visualisations (sheet 4 of 6)



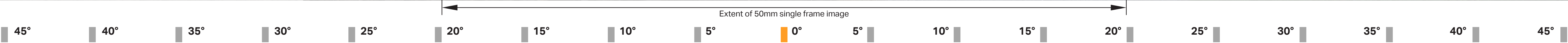
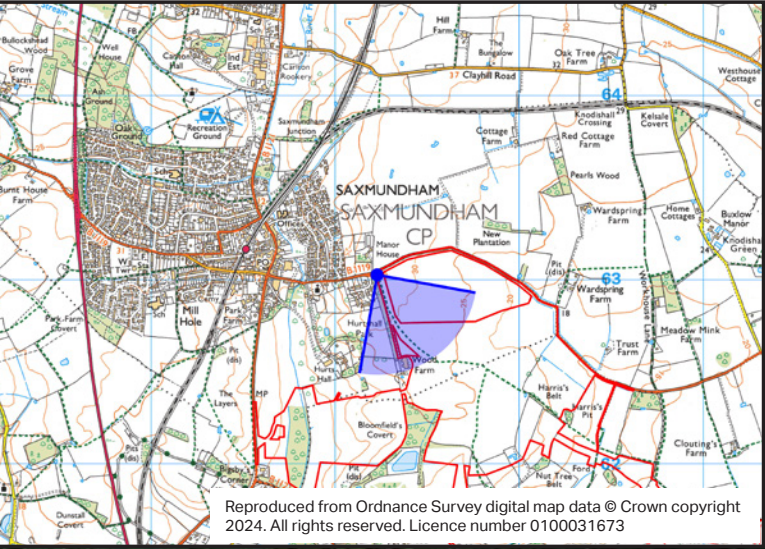
Note: Images to be viewed at a comfortable arm's length.



AECOM Delivering a better world	Visualisation Type:	3	Camera:	Canon EOS 6D	Eye level:	33.3m	Note: The block photomontage shows the maximum parameters for the Proposed Development. The block photomontage assumes under Friston Scenario 1 that Friston Substation has been constructed under the SPR consent, so is not shown in the photomontage.	Sea Link Suffolk Onshore Scheme Viewpoint 1: Public Footpath (Saxmundham 460, route 23), east of Saxmundham, looking southeast
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	Enlargement Factor:	96%	Horizontal Field of View:	90°				
	Paper Size:	A1	Direction of View:	South East				
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Note: Images to be viewed at a comfortable arm's length.



AECOM
Delivering a better world

Visualisation Type: 3

Projection: Cylindrical

Enlargement Factor: 96%

Paper Size: A1

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Lens: Canon EF50mm f/1.8 STM

Horizontal Field of View: 90°

Direction of View: South East

Location: E639225 N263029

Eye level: 33.3m

Height of Camera: 1.6m

Note:

The block photomontage shows the maximum parameters for the Proposed Development. The block photomontage assumes under Friston Scenario 2 the construction of the NGET Friston Substation and two new pylons, and the removal of one pylon.

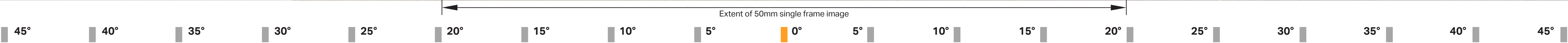
Sea Link Suffolk Onshore Scheme

Viewpoint 1: Public Footpath (Saxmundham 460, route 23), east of Saxmundham, looking southeast

Application Document 6.4.2.1.10-A Representative Viewpoint Visualisations (sheet 6 of 6)



BASELINE (WINTER)



AECOM Delivering a better world	Visualisation Type:	3	Camera:	Canon EOS 6D	Eye level:	17.4m	Sea Link Suffolk Onshore Scheme Viewpoint 2: B1121, south of Saxmundham, looking east Application Document 6.4.2.1.10-B Representative Viewpoint Visualisations (sheet 1 of 8)
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Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

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