

AENC-ARC-ENV-REP-0155

Norwich to Tilbury

Volume 6: Environmental Statement

Document: 6.8.A8 Environmental Statement Appendix 8.8 - Wintering
and Passage Bird Report - Part 2

Final Issue A

August 2025

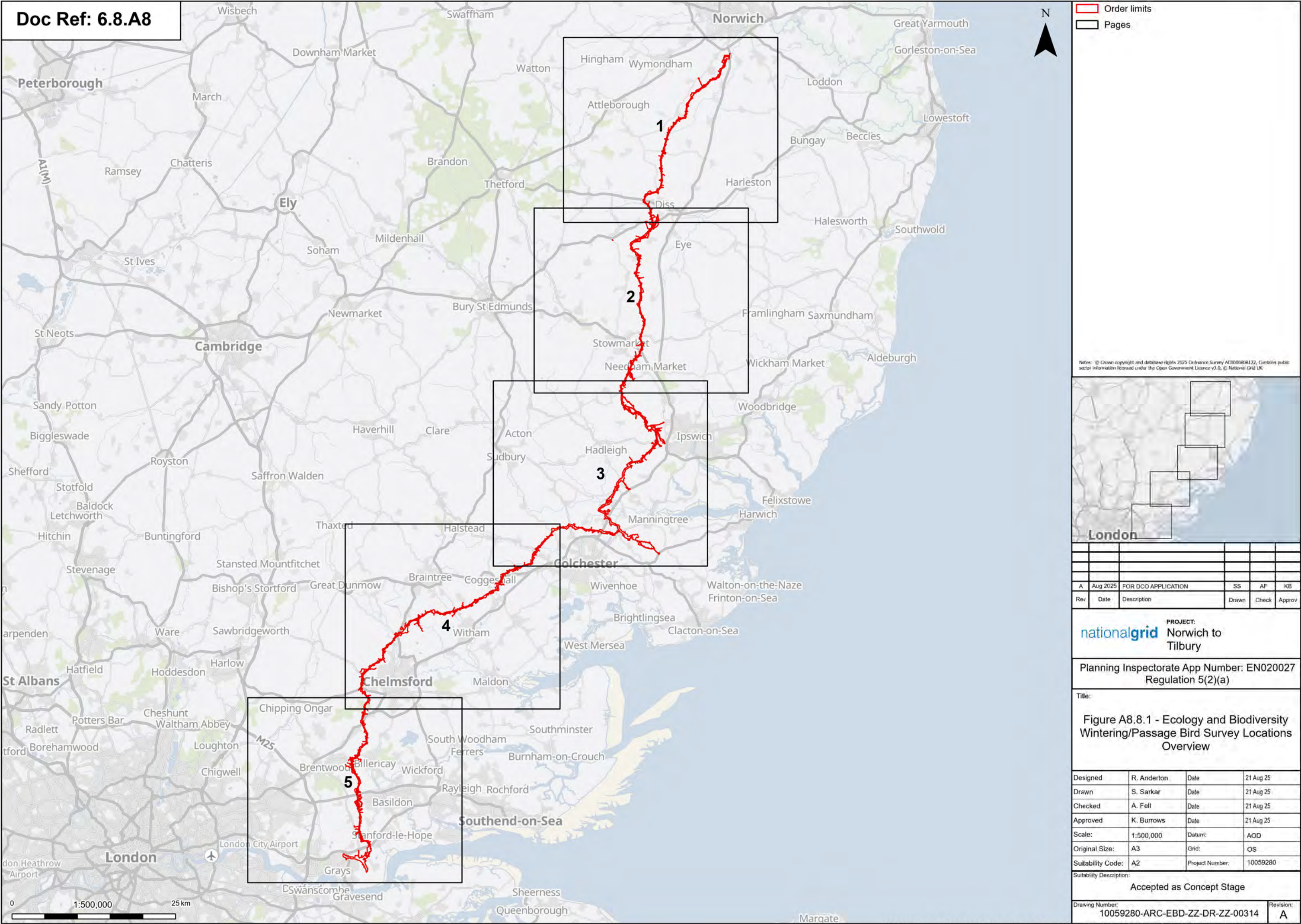
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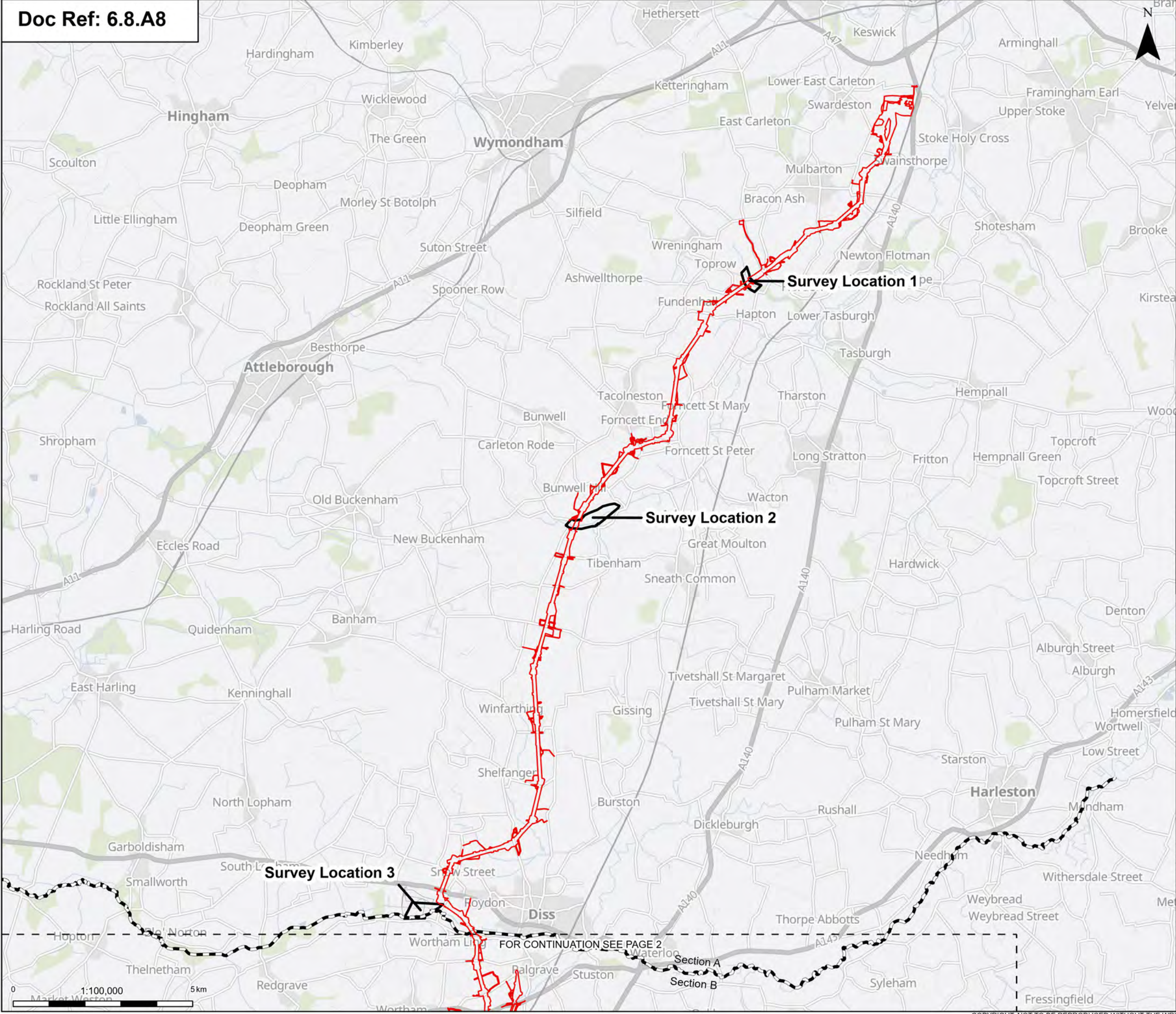
Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(a)

nationalgrid

Annex A.

Figures





Order limits

Sheet index cutline

Project section line

Discipline specific constraints

Vantage Point (VP)

Note: For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approved

PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

Figure A8.8.1 - Ecology and Biodiversity Wintering/Passage Bird Survey Locations

Page 1 of 5

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

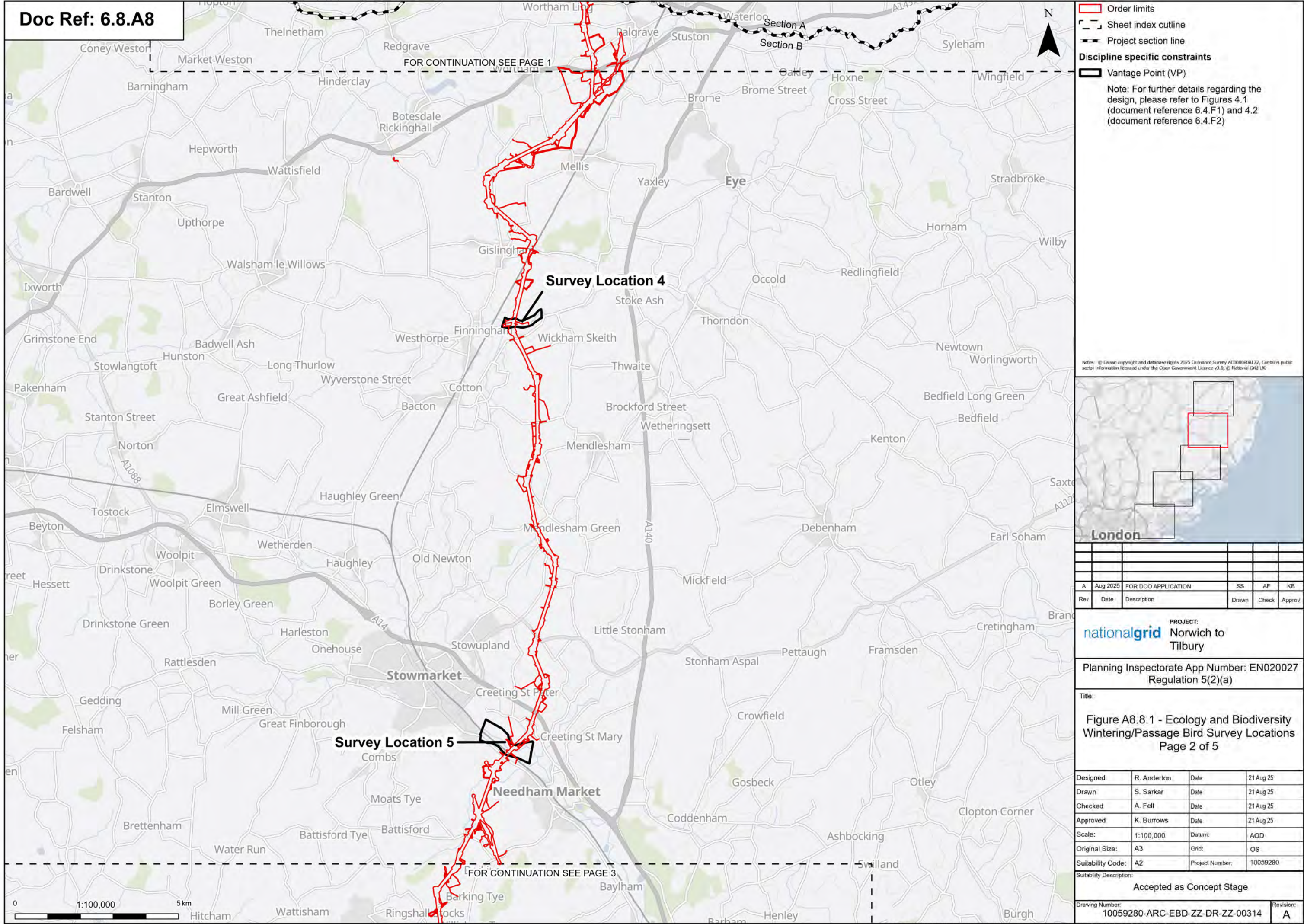
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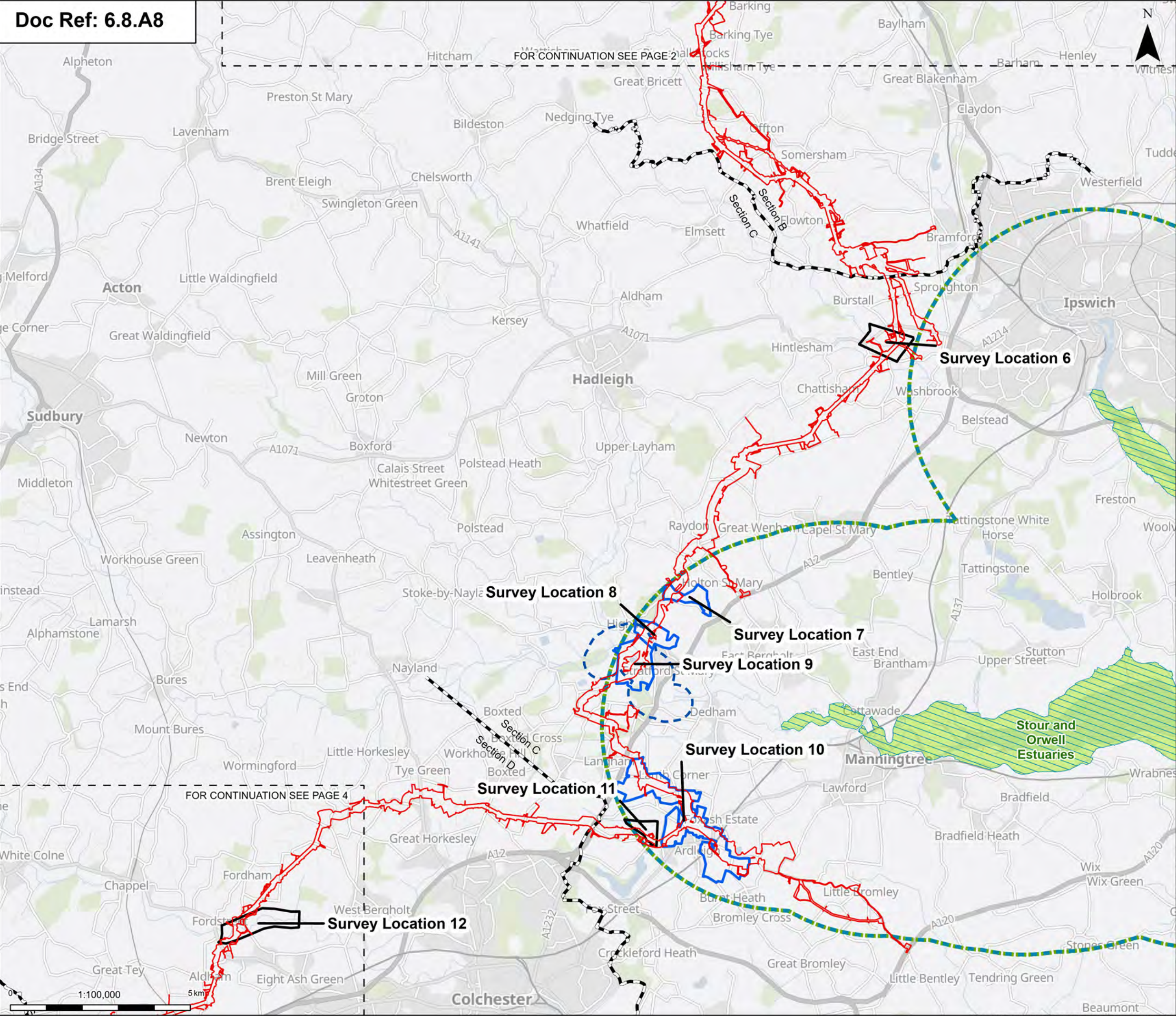
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Order limits

Sheet index cutline

Project section line

Discipline specific constraints

- Vantage Point (VP)
- Transect
- 500 m Study Area - River Stour
- Special Protection Area
- Ramsar
- Special Protection Area 5 km Study Area
- Ramsar 5 km Study Area

Note: For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:

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Regulation 5(2)(a)

Title:

Figure A8.8.1 - Ecology and Biodiversity
Wintering/Passage Bird Survey Locations
Page 3 of 5

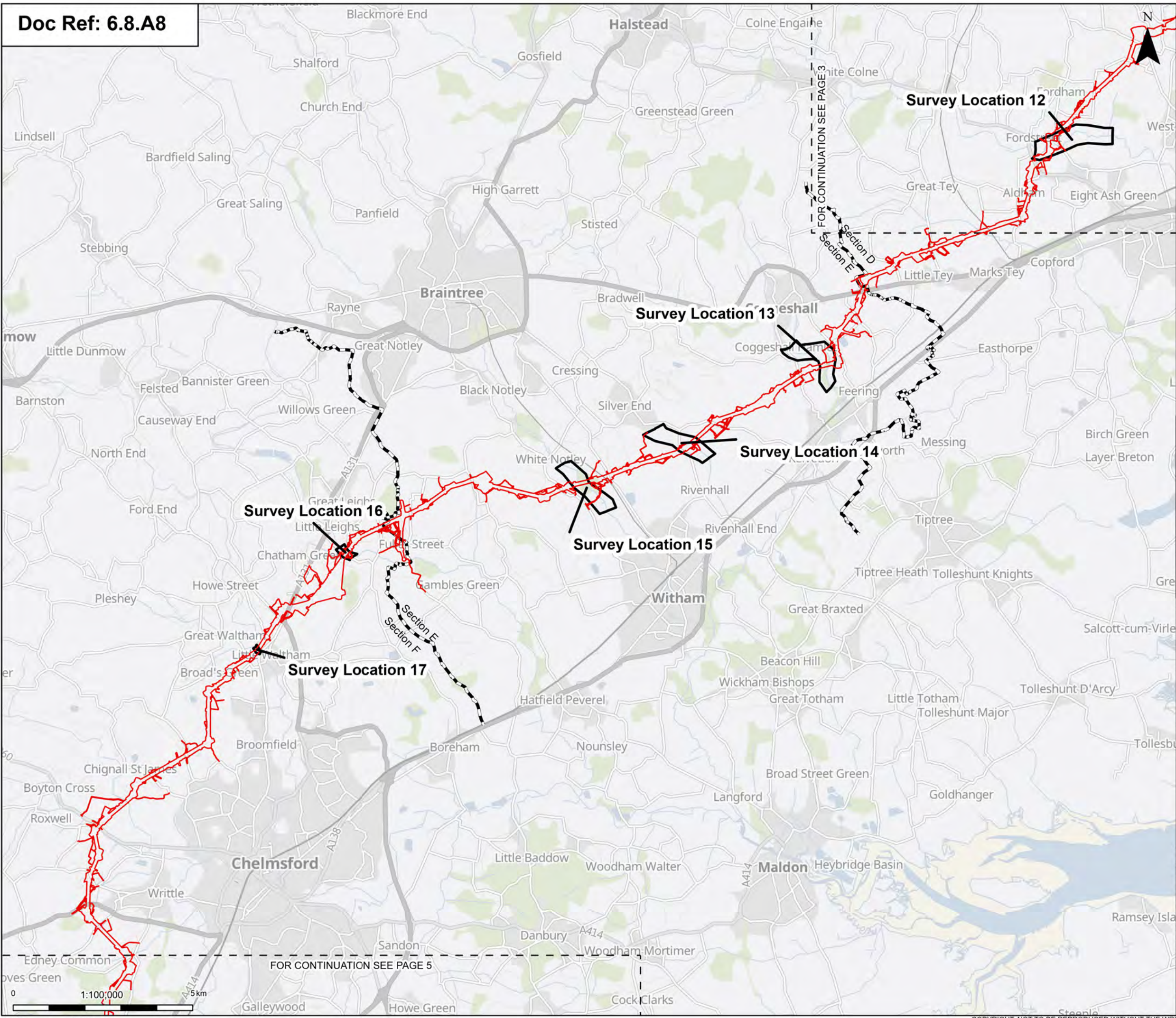
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Order limits

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Project section line

Discipline specific constraints

Vantage Point (VP)

Note: For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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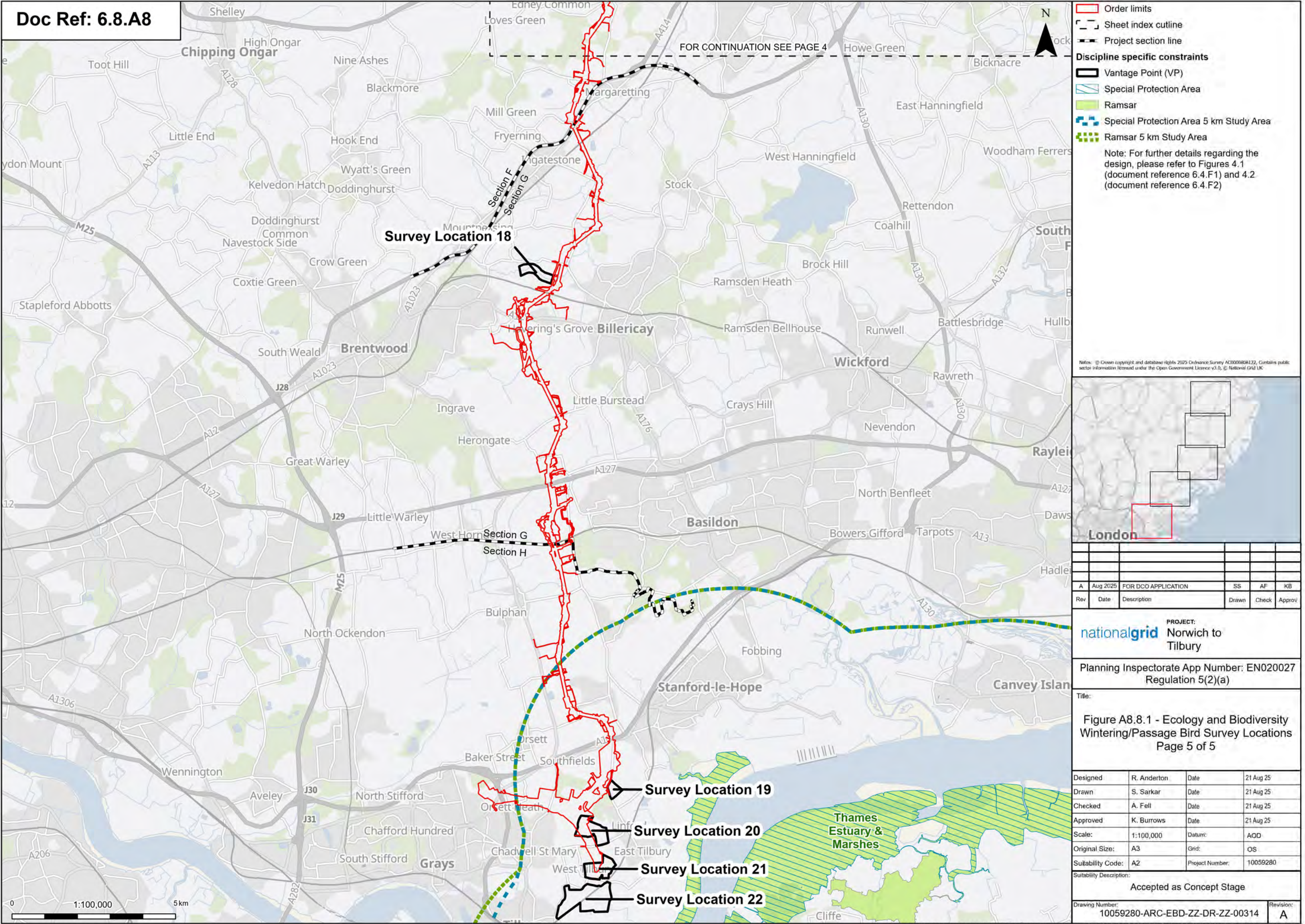
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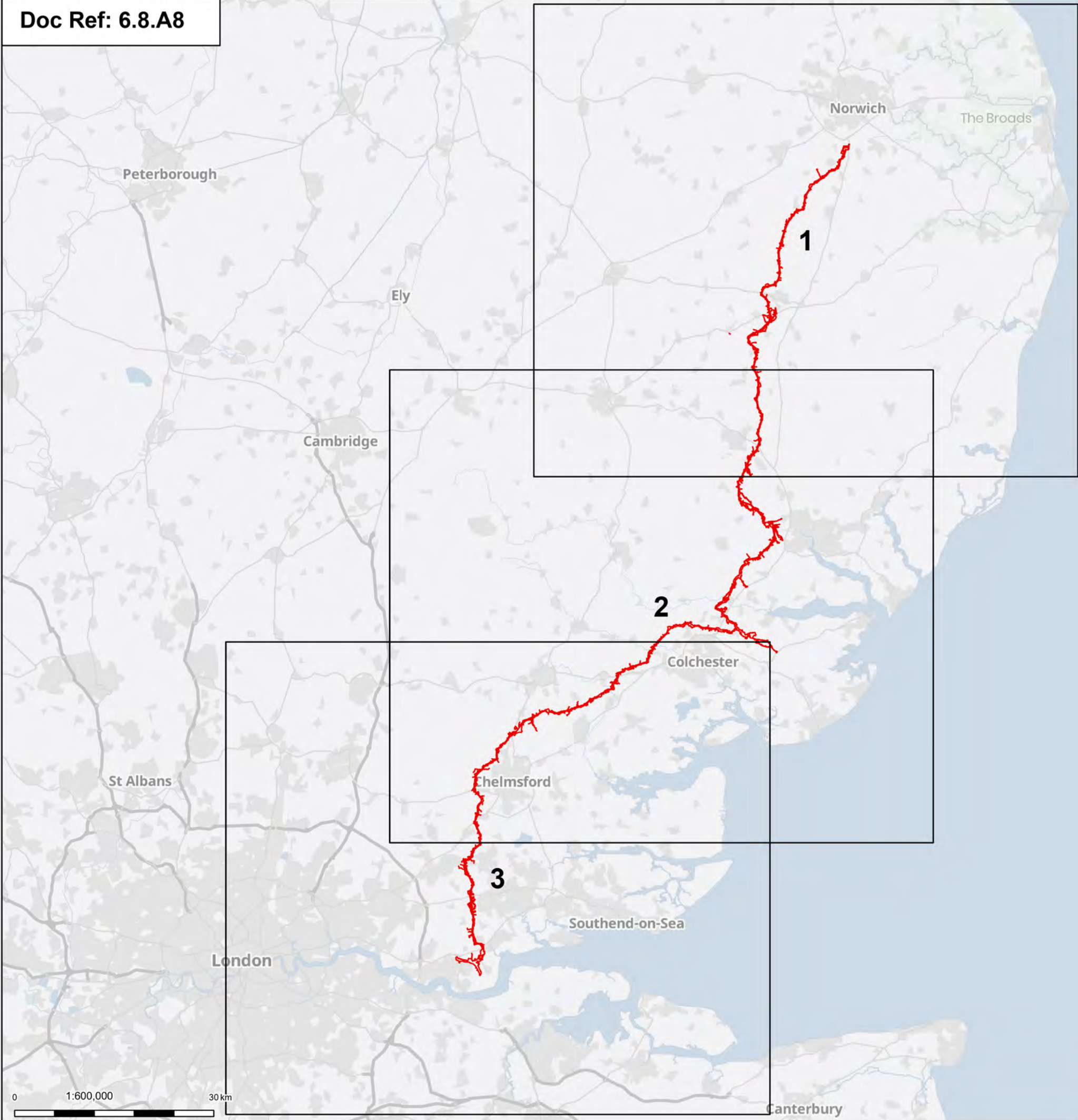
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Figure A8.8.1 - Ecology and Biodiversity
Wintering/Passage Bird Survey Locations
Page 4 of 5

Designed	R. Anderton	Date	21 Aug 25
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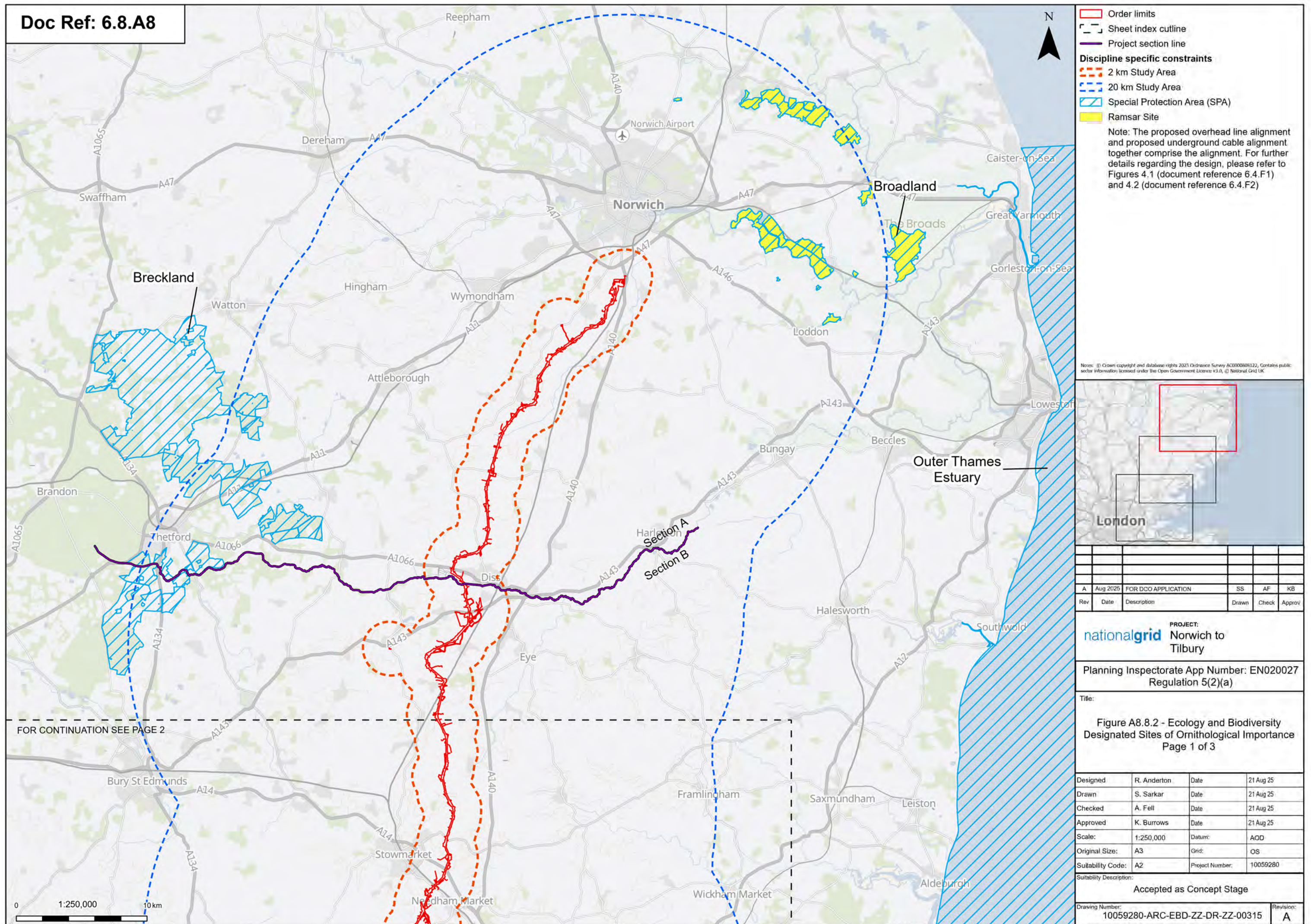
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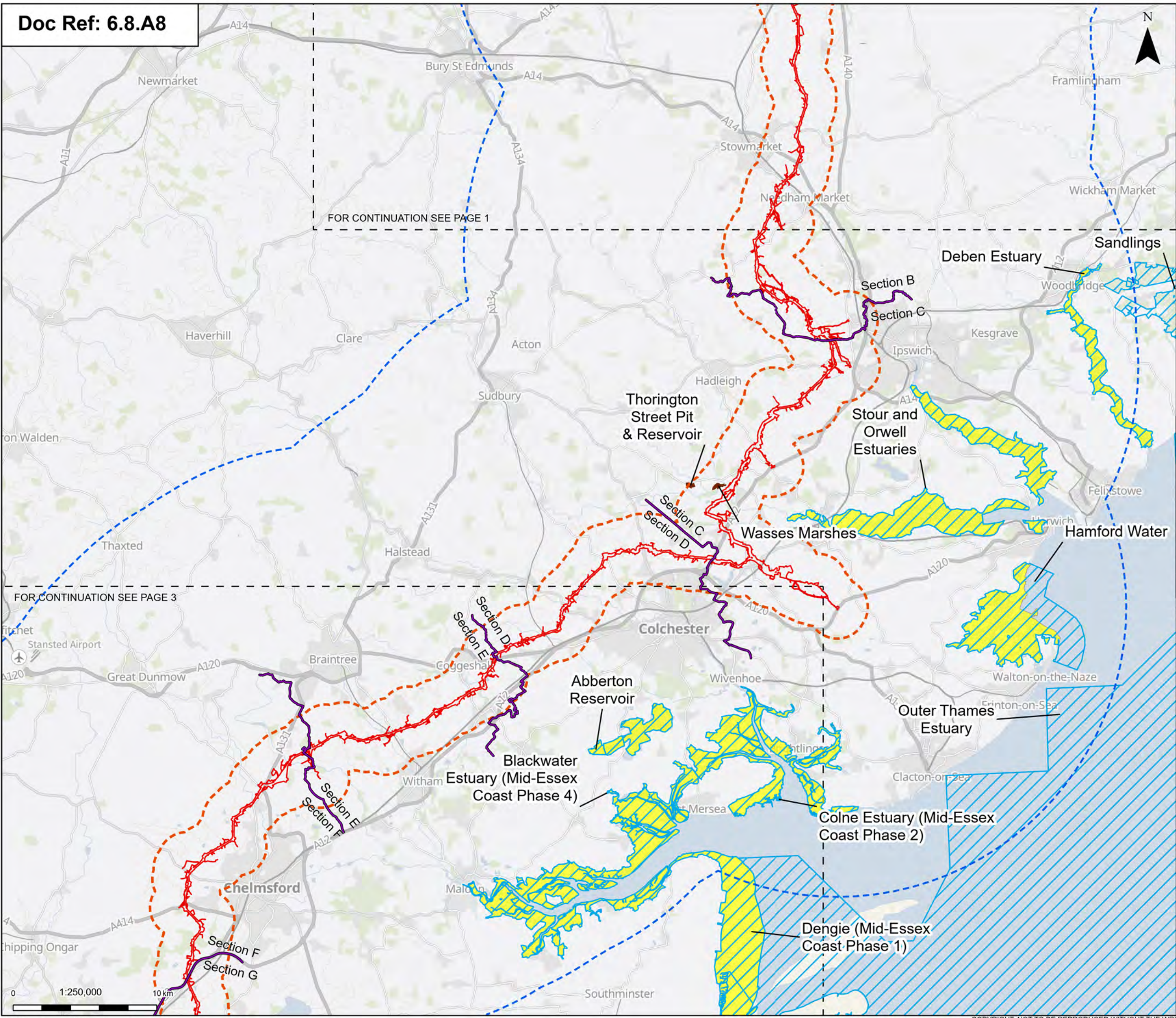
Figure A8.8.2 - Ecology and Biodiversity
Designated Sites of Ornithological Importance
Overview

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Order limits

Sheet index outline

Project section line

Discipline specific constraints

- 2 km Study Area
- 20 km Study Area
- County Wildlife Site (CWS)
- Special Protection Area (SPA)
- Ramsar Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Regulation 5(2)(a)

Title:
Figure A8.8.2 - Ecology and Biodiversity
Designated Sites of Ornithological Importance
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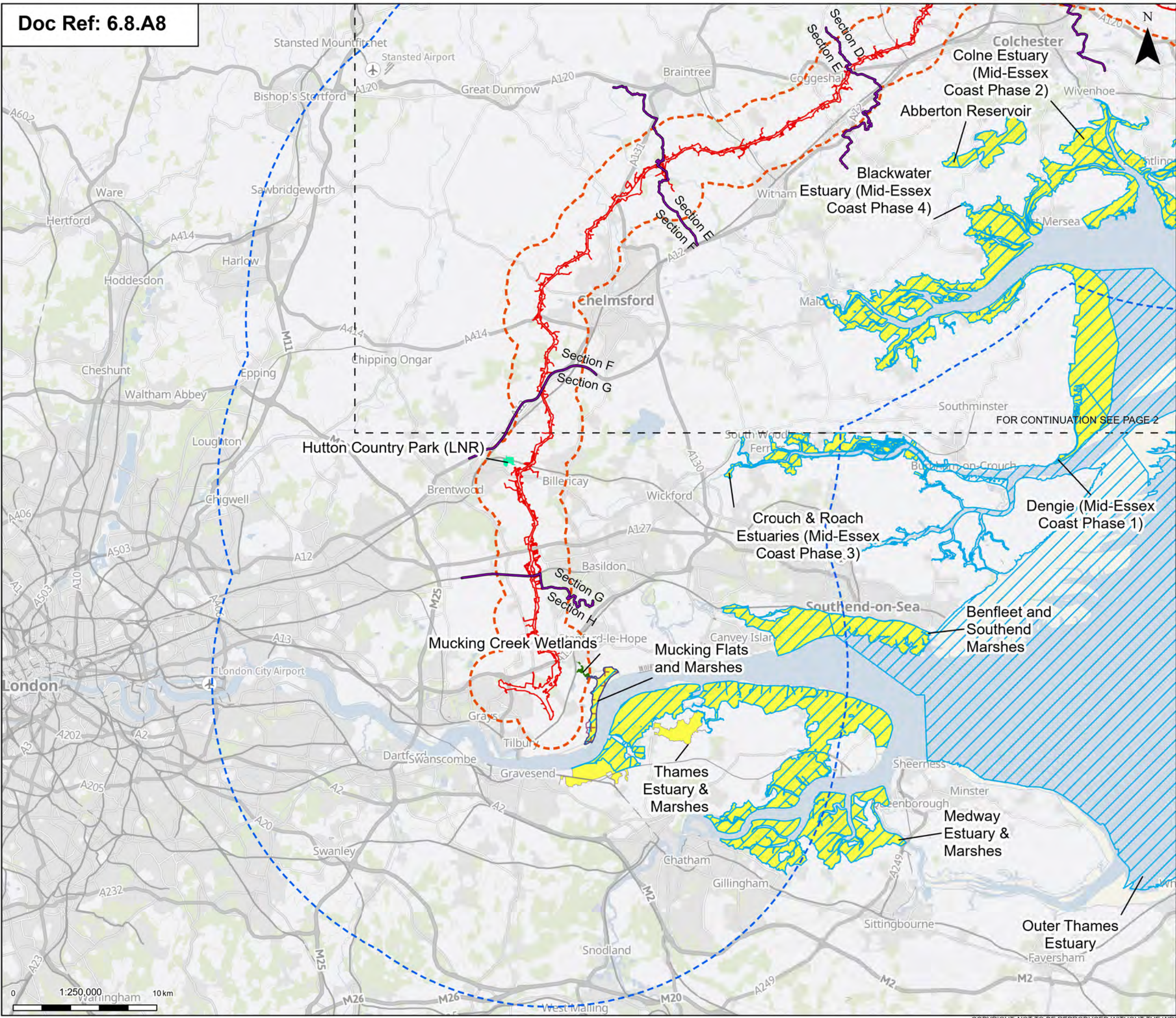
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Suitability Description:

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Order limits

Sheet index outline

Project section line

Discipline specific constraints

2 km Study Area

20 km Study Area

Local Nature Reserve (LNR)

Local Wildlife Site (LWS)

Site of Special Scientific Interest (SSSI)

Special Protection Area (SPA)

Ramsar Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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FOR CONTINUATION SEE PAGE 2

London

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Norwich to Tilbury

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Regulation 5(2)(a)

Title:

Figure A8.8.2 - Ecology and Biodiversity
Designated Sites of Ornithological Importance
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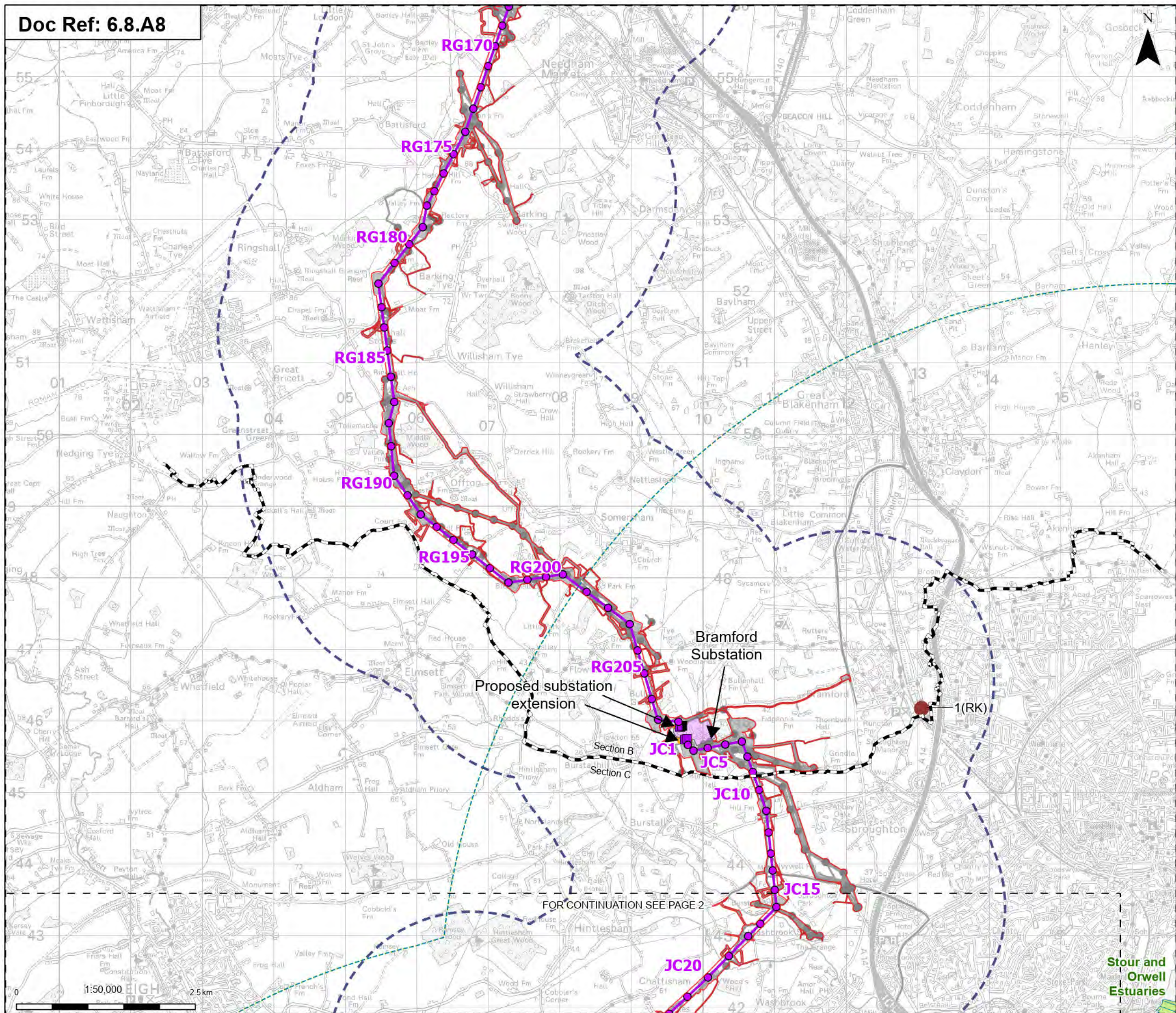
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Sheet index cutline

Project section line

Proposed project design details

- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Bramford Substation
- Bramford Substation Extension
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Special Protection Areas
- Ramsar
- Special Protection Areas 10 km Study Area
- Ramsar 10 km Study Area

Stour and Orwell Estuaries SPA qualifying species total abundance (desk study data 2013-2022)

- Black-tailed Godwit (BW)
- Dunlin (DN)
- Grey Plover (GV)
- Knot (KN)
- Redshank (RK)
- Pintail (PT)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Norwich

Cambridge

Ipswich

Chelmsford

London

Tilbury

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PROJECT: Norwich to Tilbury

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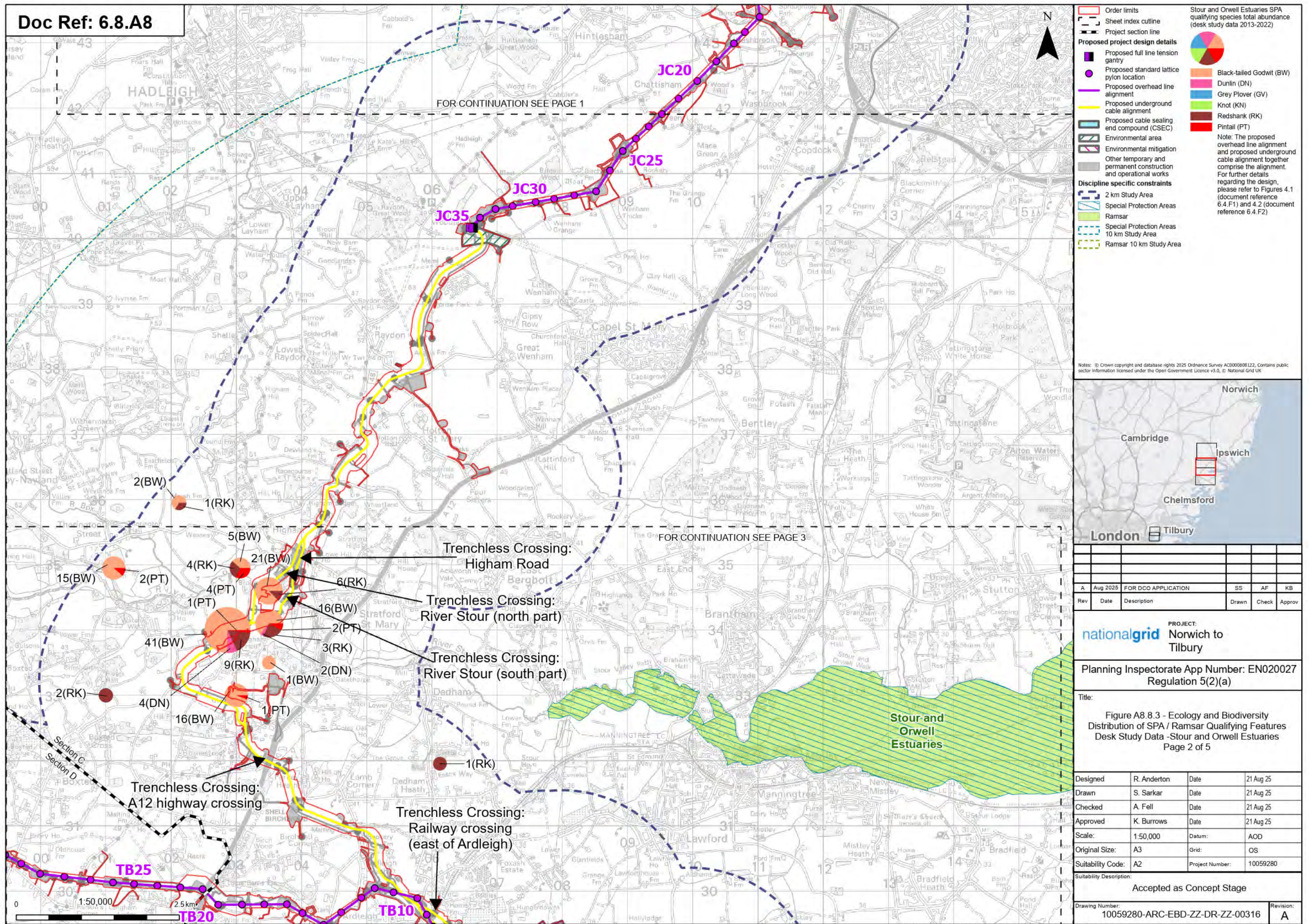
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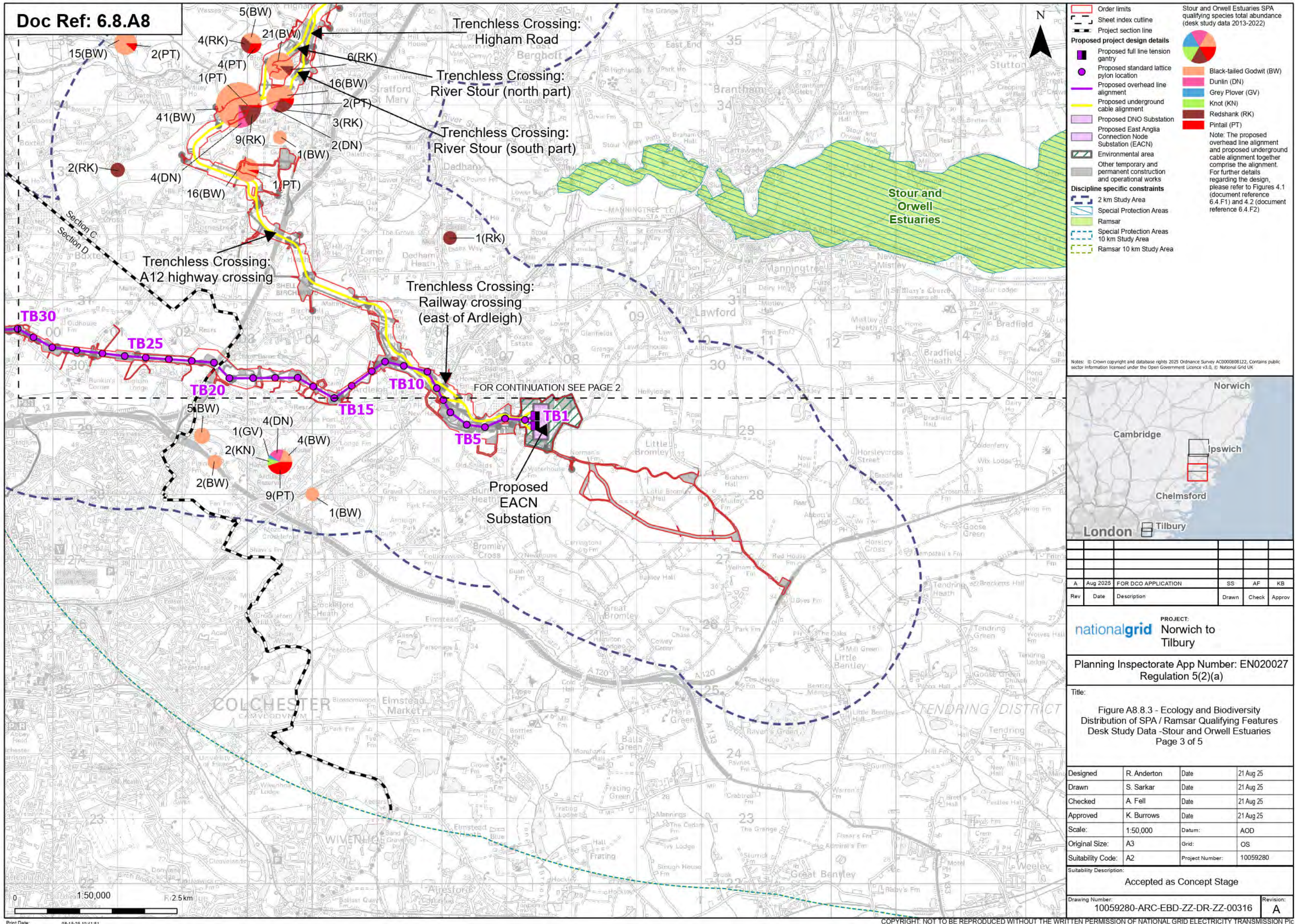
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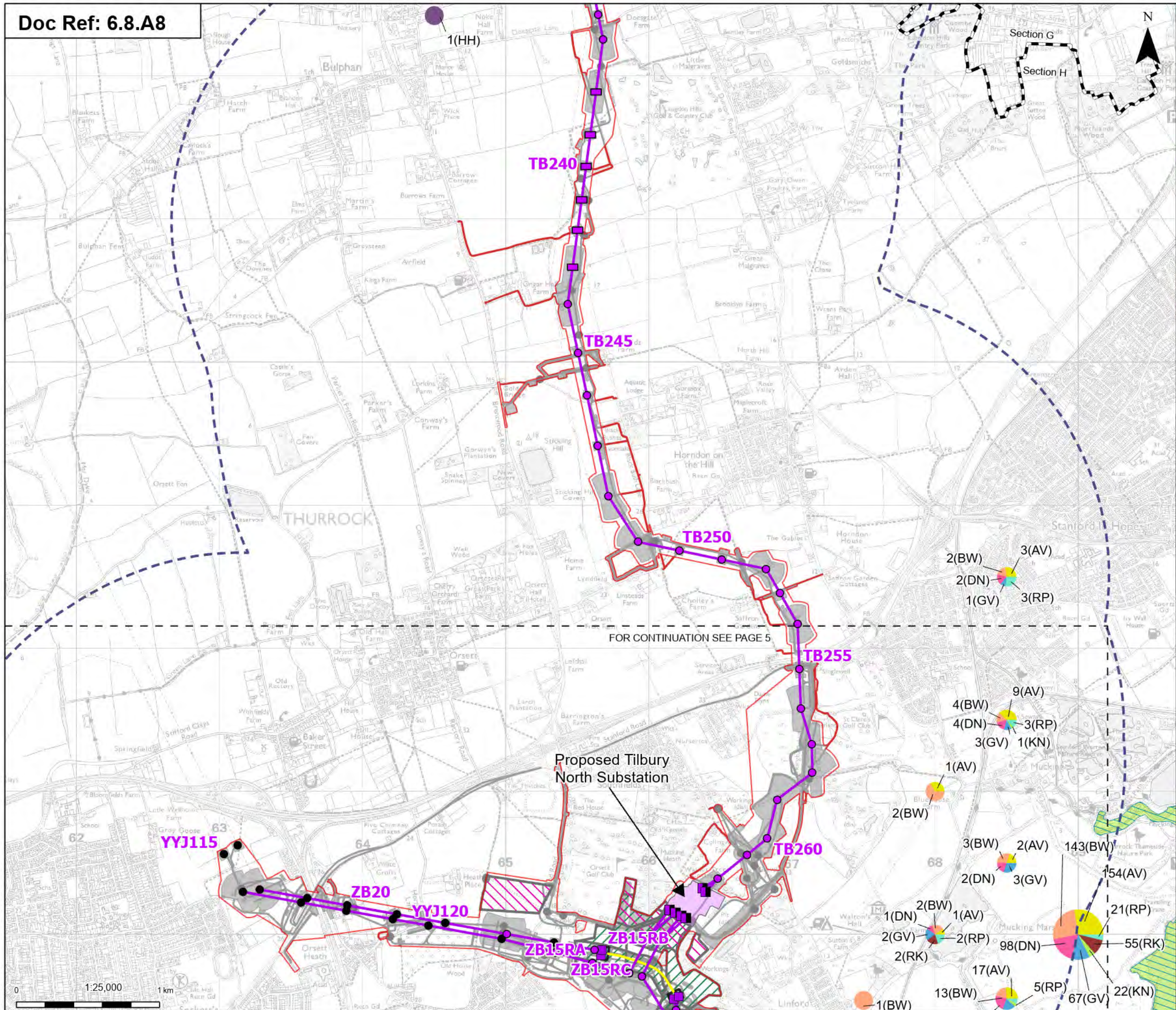
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Revision: A







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- Proposed low duty gantry
- Proposed low height pylon location
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Special Protection Areas
- Ramsar
- Special Protection Areas 10 km Study Area
- Ramsar 10 km Study Area

Thames Estuary and Marshes SPA qualifying species total abundance (desk study data 2013-2022)

- Avocet (AV)
- Black-tailed Godwit (BW)
- Dunlin (DN)
- Grey Plover (GV)
- Hen Harrier (HH)
- Knot (KN)
- Redshank (RK)
- Ringed Plover (RP)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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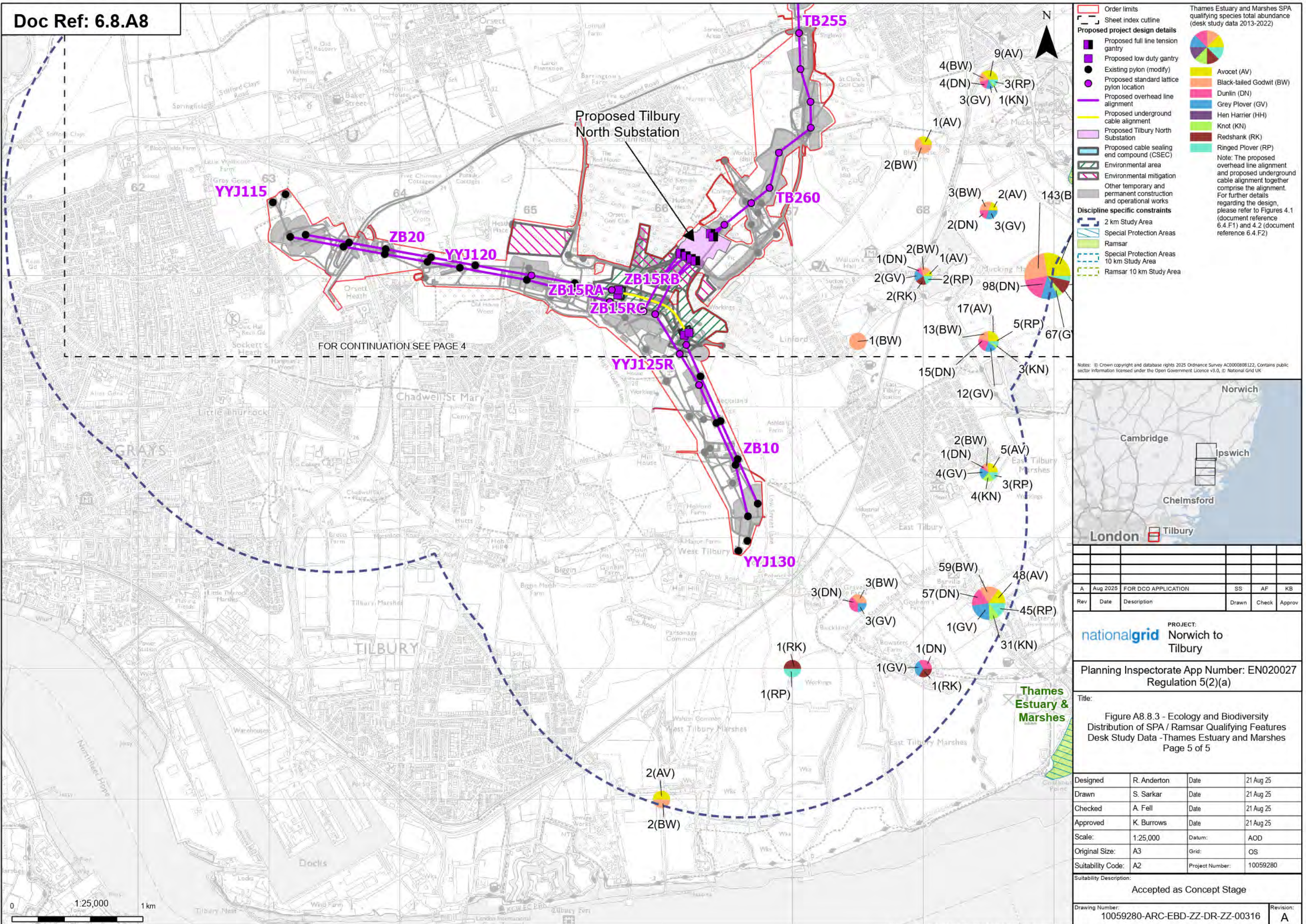
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Suitability Description: **Accepted as Concept Stage**

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PROJECT:
nationalgrid Norwich to Tilbury

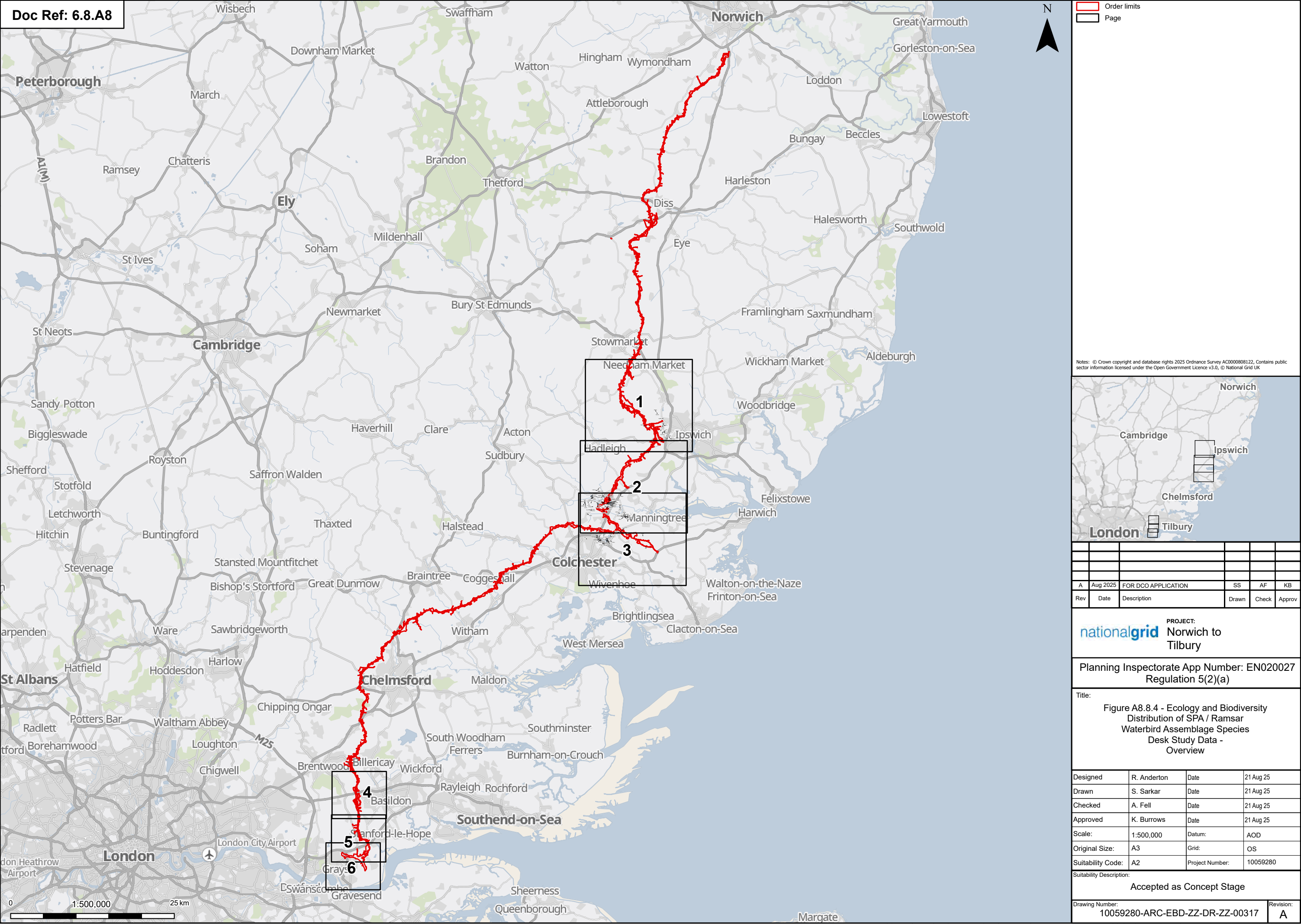
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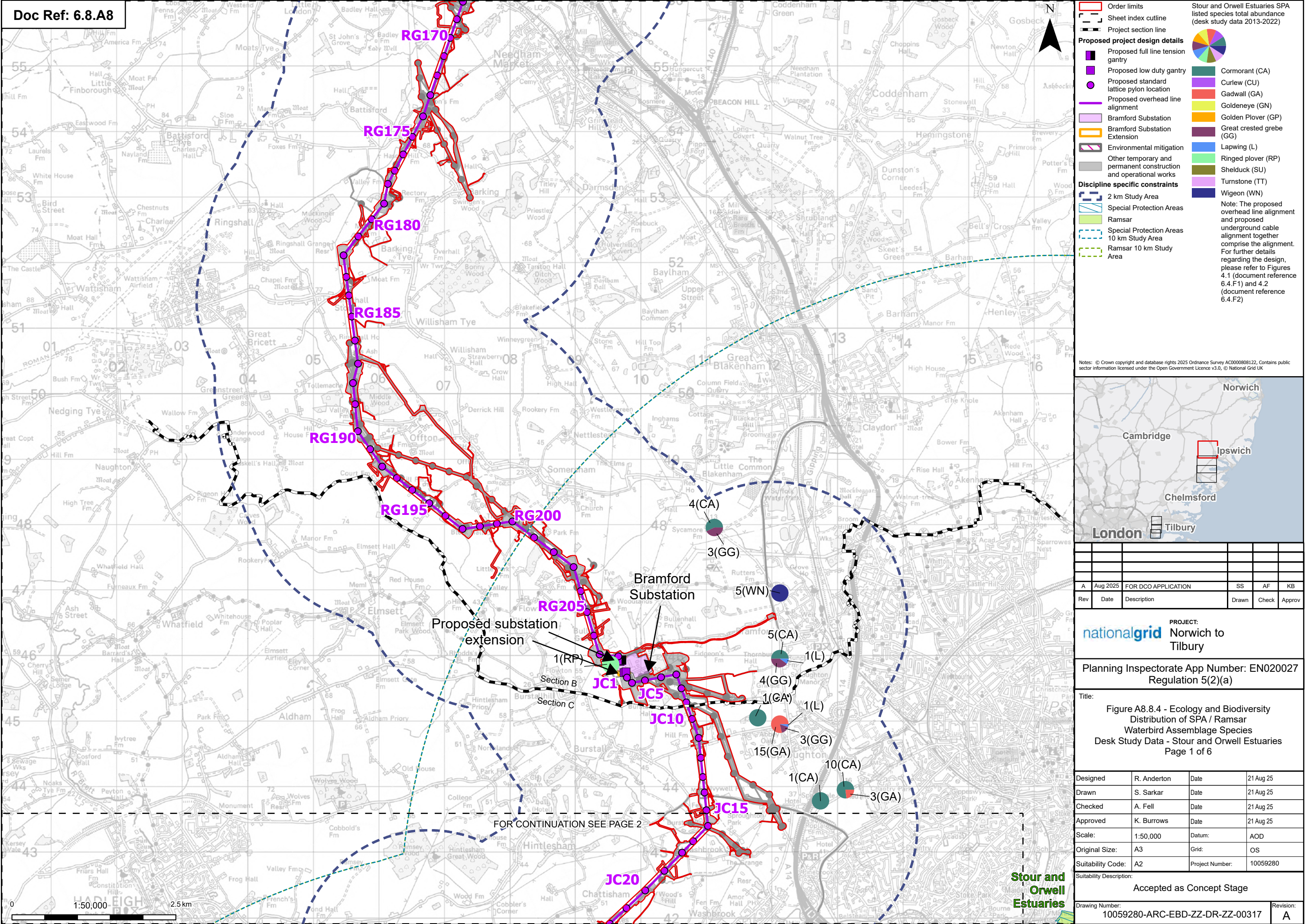
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Distribution of SPA / Ramsar Qualifying Features
Desk Study Data -Thames Estuary and Marshes
Page 5 of 5

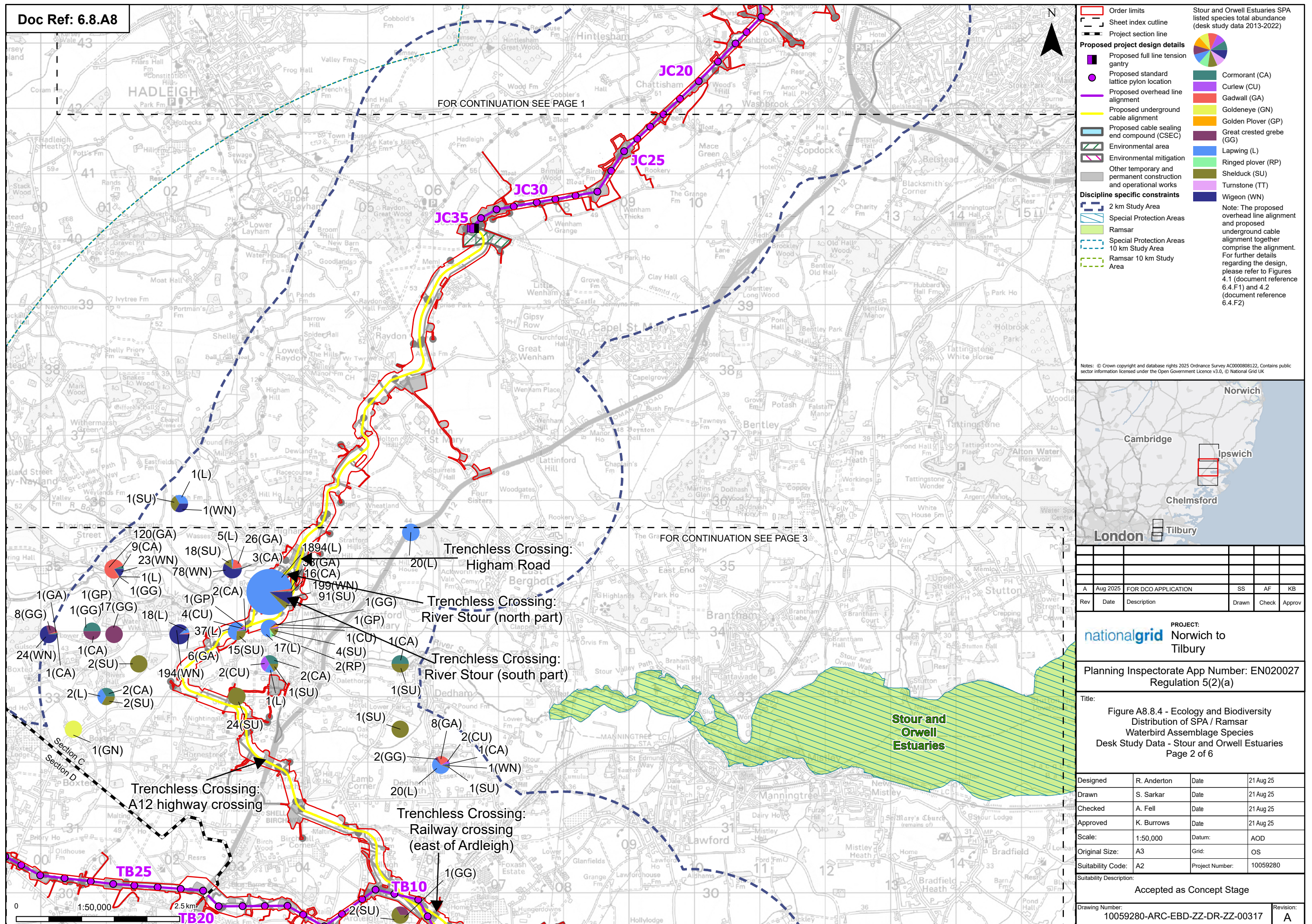
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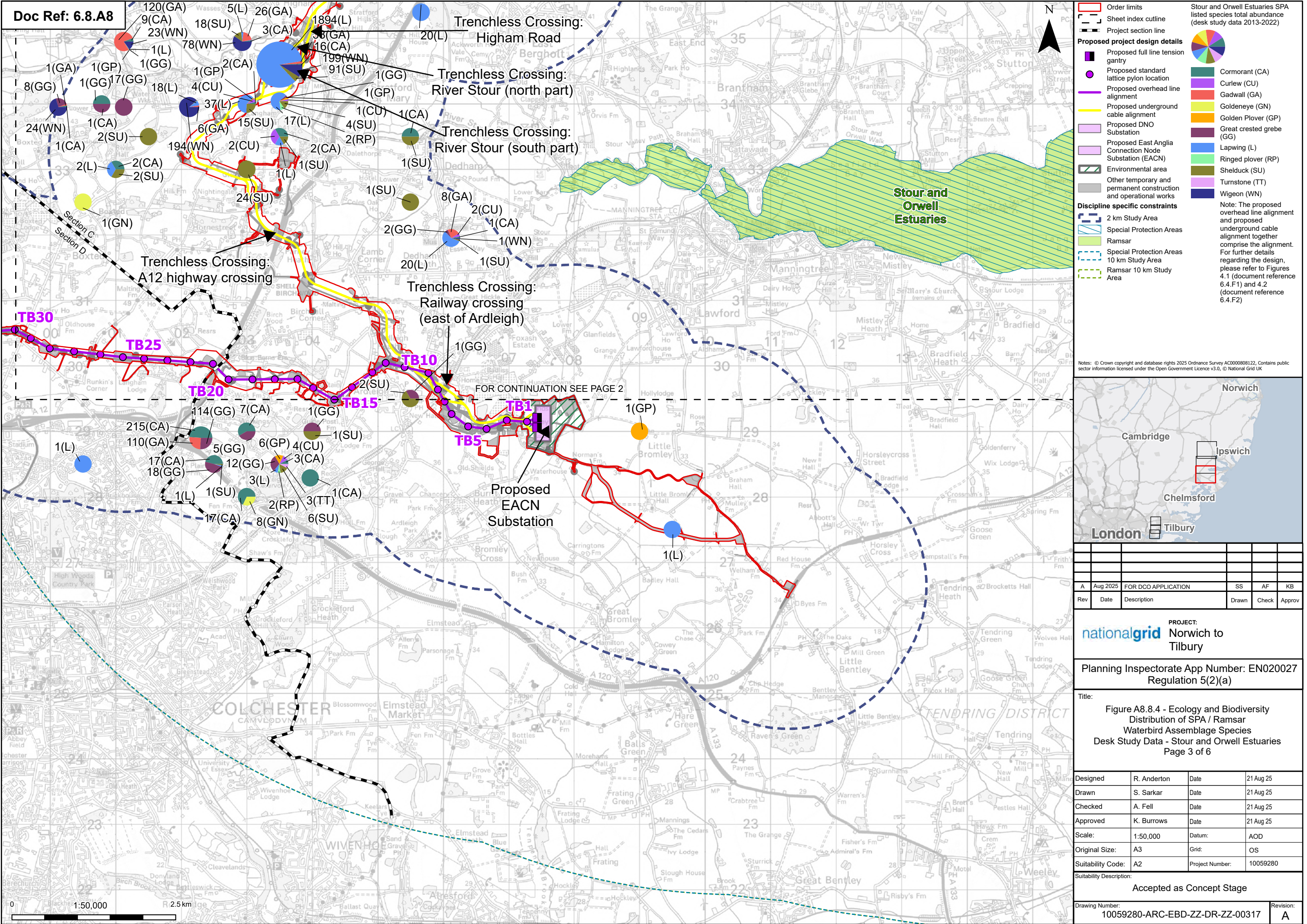
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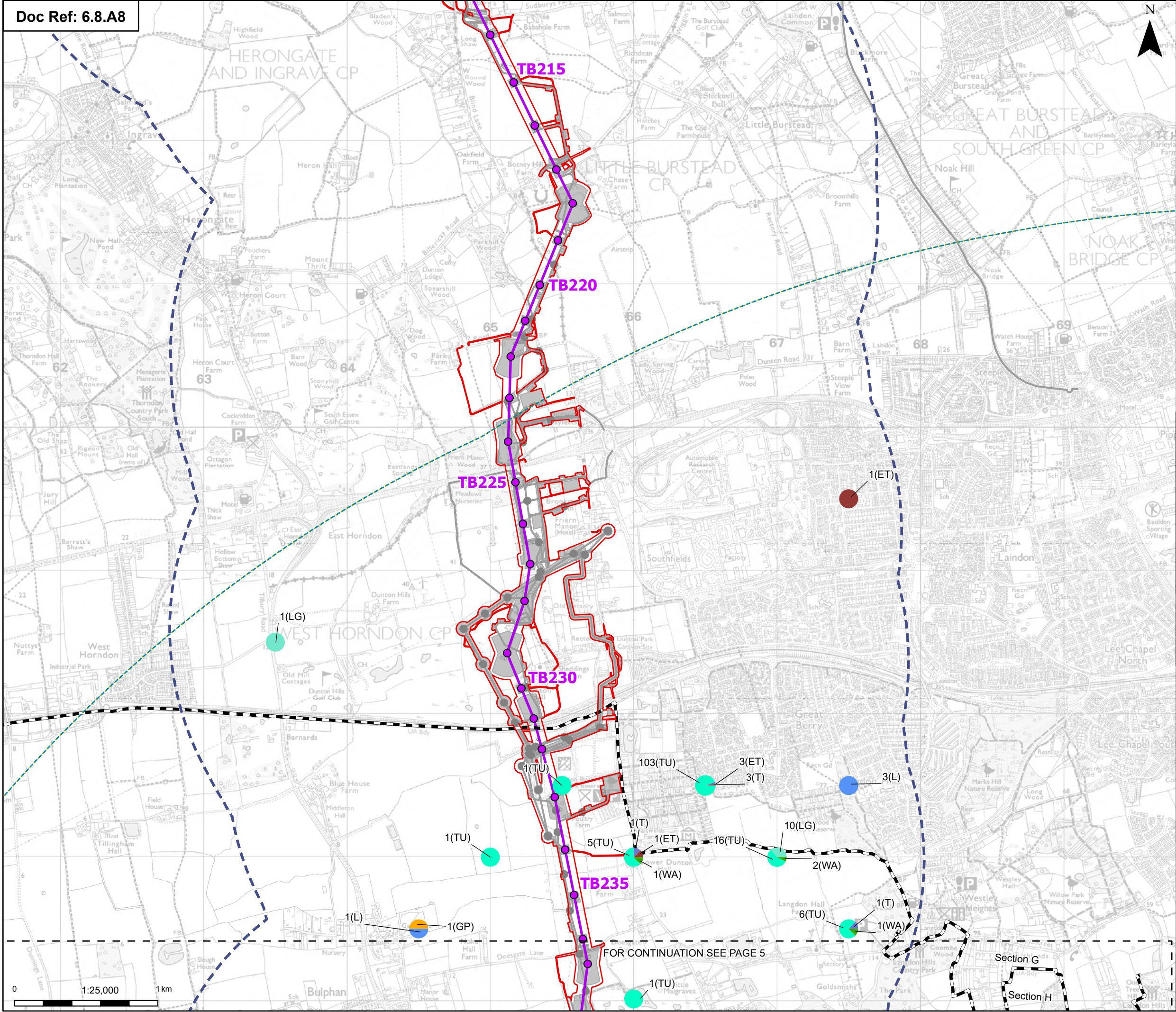
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Sheet index outline

Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Special Protection Areas

10 km Study Area

Ramsar 10 km Study Area

Thames Estuary and Marshes SPA listed species total abundance (desk study data 2013-2022)

Gadwall (GA)

Greenshank (GK)

Golden Plover (GP)

Lapwing (L)

Little Egret (ET)

Little Grebe (LG)

Pintail (PT)

Pochard (PO)

Ruff (RU)

Shelduck (SU)

Shoveler (SV)

Spotted Redshank (DR)

Teal (T)

Tufted Duck (TU)

Water Rail (WA)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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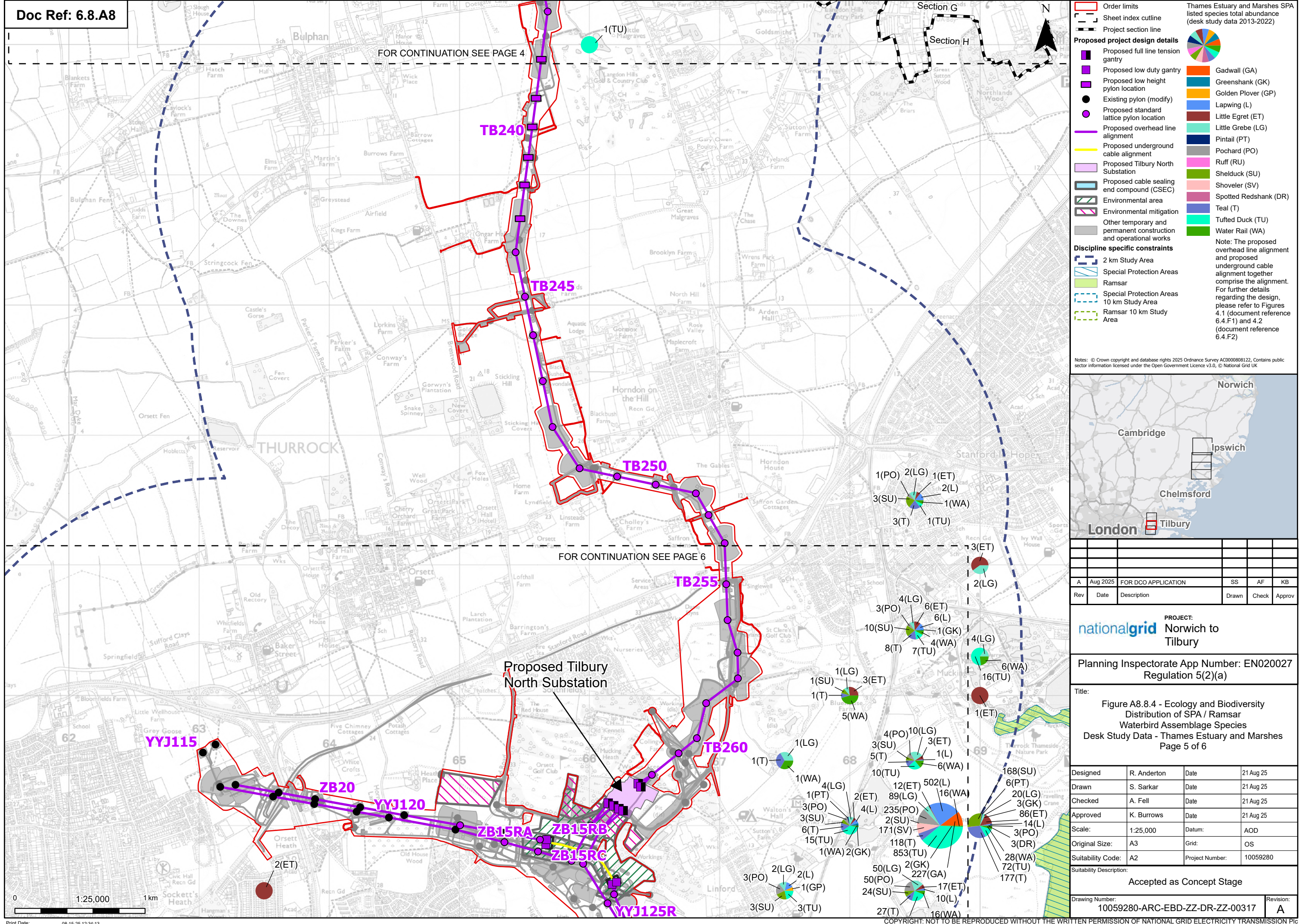
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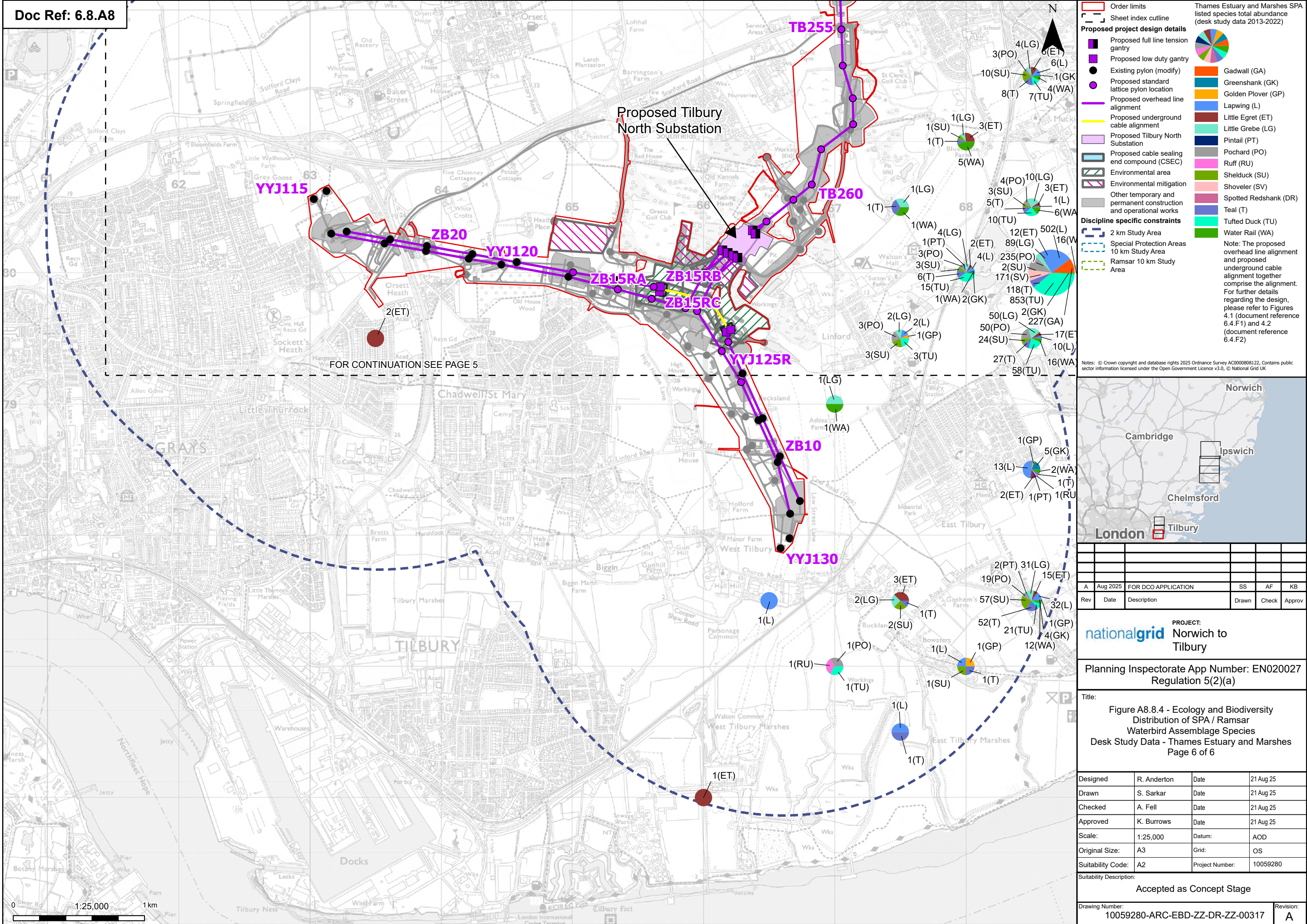
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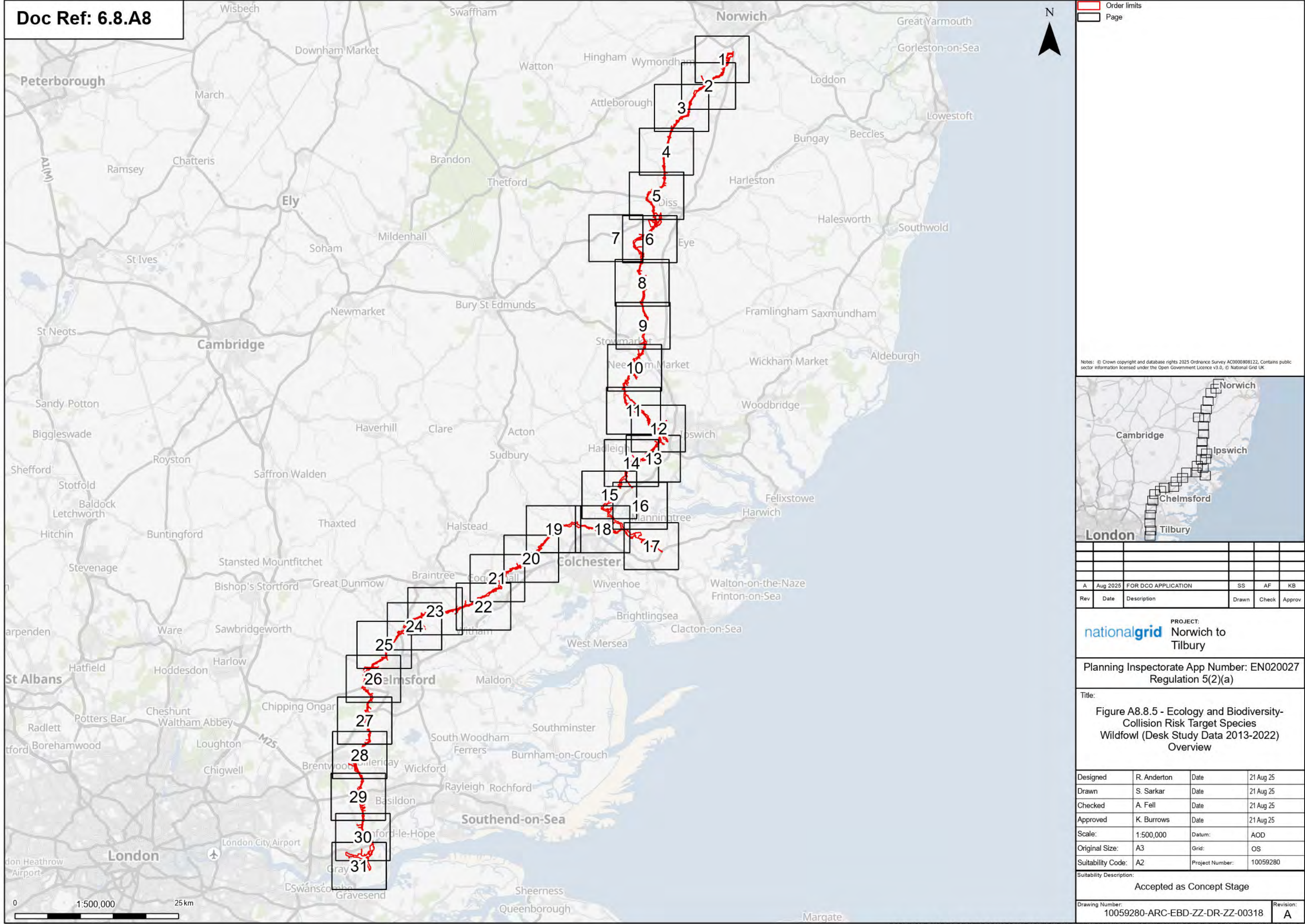
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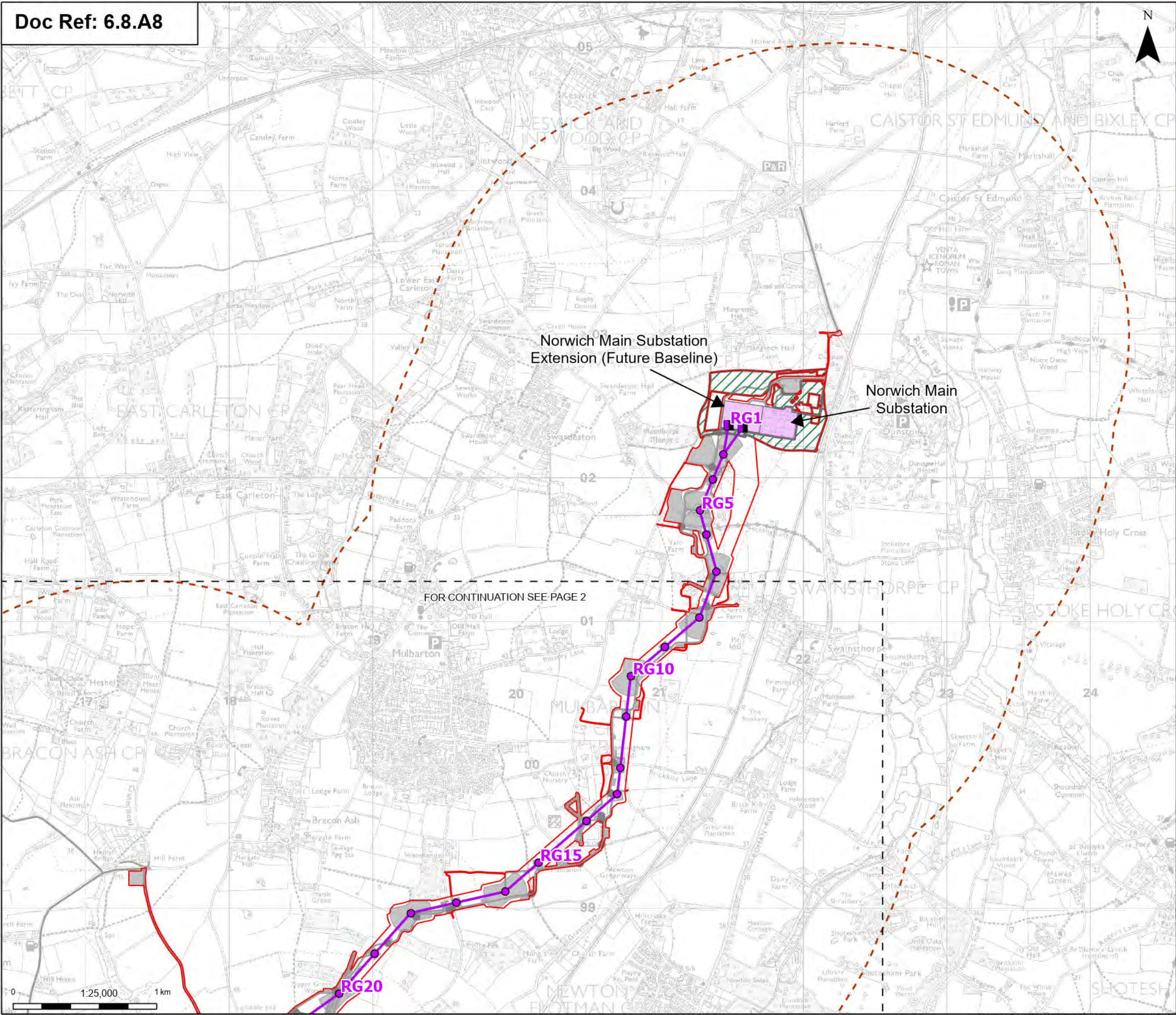
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Order limits

- Sheet index cutline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Norwich Main Substation
- Norwich Main Substation Extension (future baseline)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

- Barnacle goose (BY)
- Bewick's swan (BS)
- Common scoter (CX)
- Garganey (GA)
- Goldeneye (GN)
- Pintail (PT)
- Pochard (PO)
- Scaup (SP)
- Smew (SY)
- Velvet scoter (VS)
- White-fronted goose (WG)
- Whooper swan (WS)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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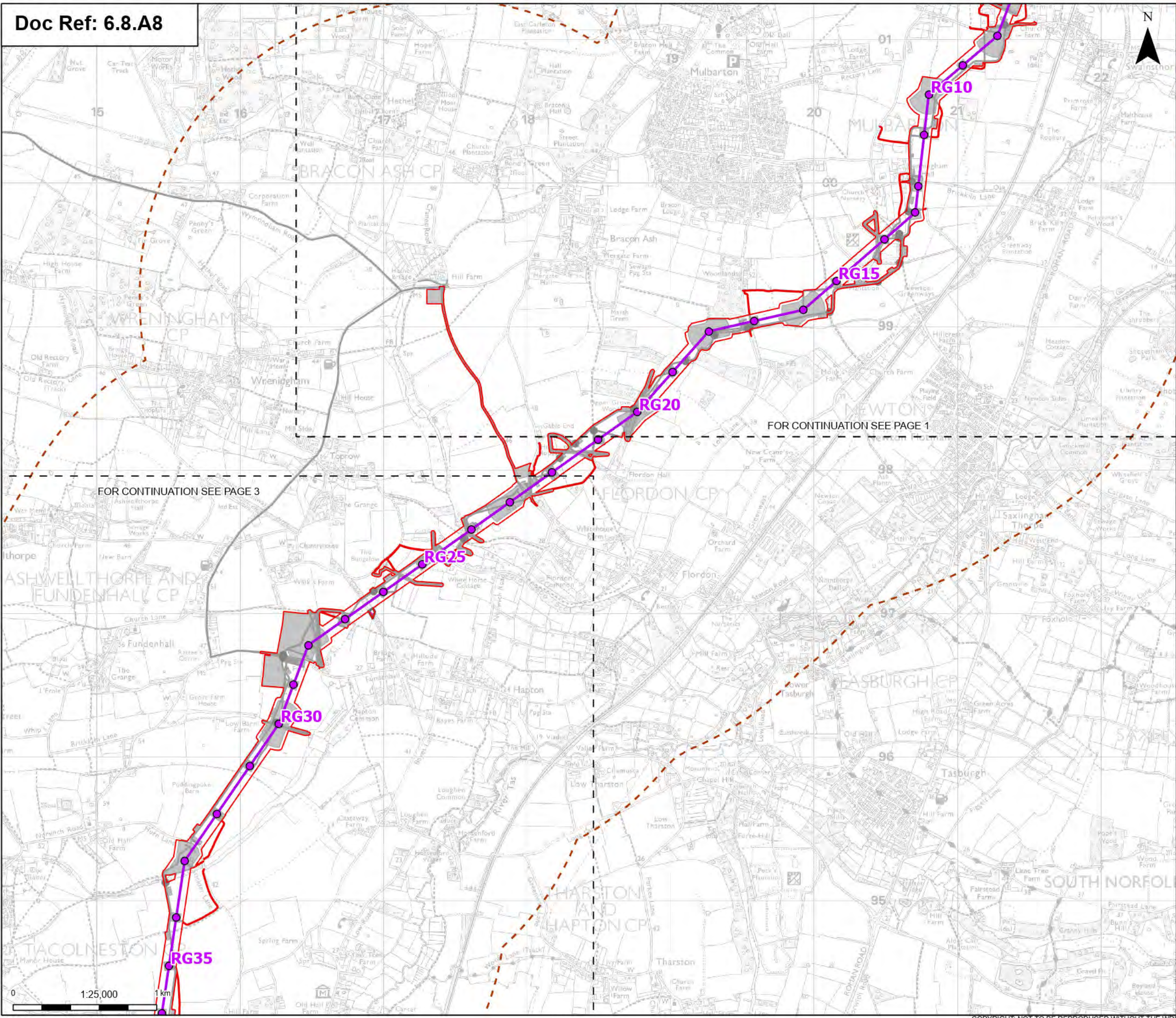
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**Figure A8.8.5 - Ecology and Biodiversity-
Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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Sheet index outline

Proposed project design details

Discipline specific constraints

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

Barnacle goose (BY)

Bewick's swan (BS)

Common scoter (CX)

Garganey (GA)

Goldeneye (GN)

Pintail (PT)

Pochard (PO)

Scaup (SP)

Smew (SY)

Velvet scoter (VS)

White-fronted goose (WG)

Whooper swan (WS)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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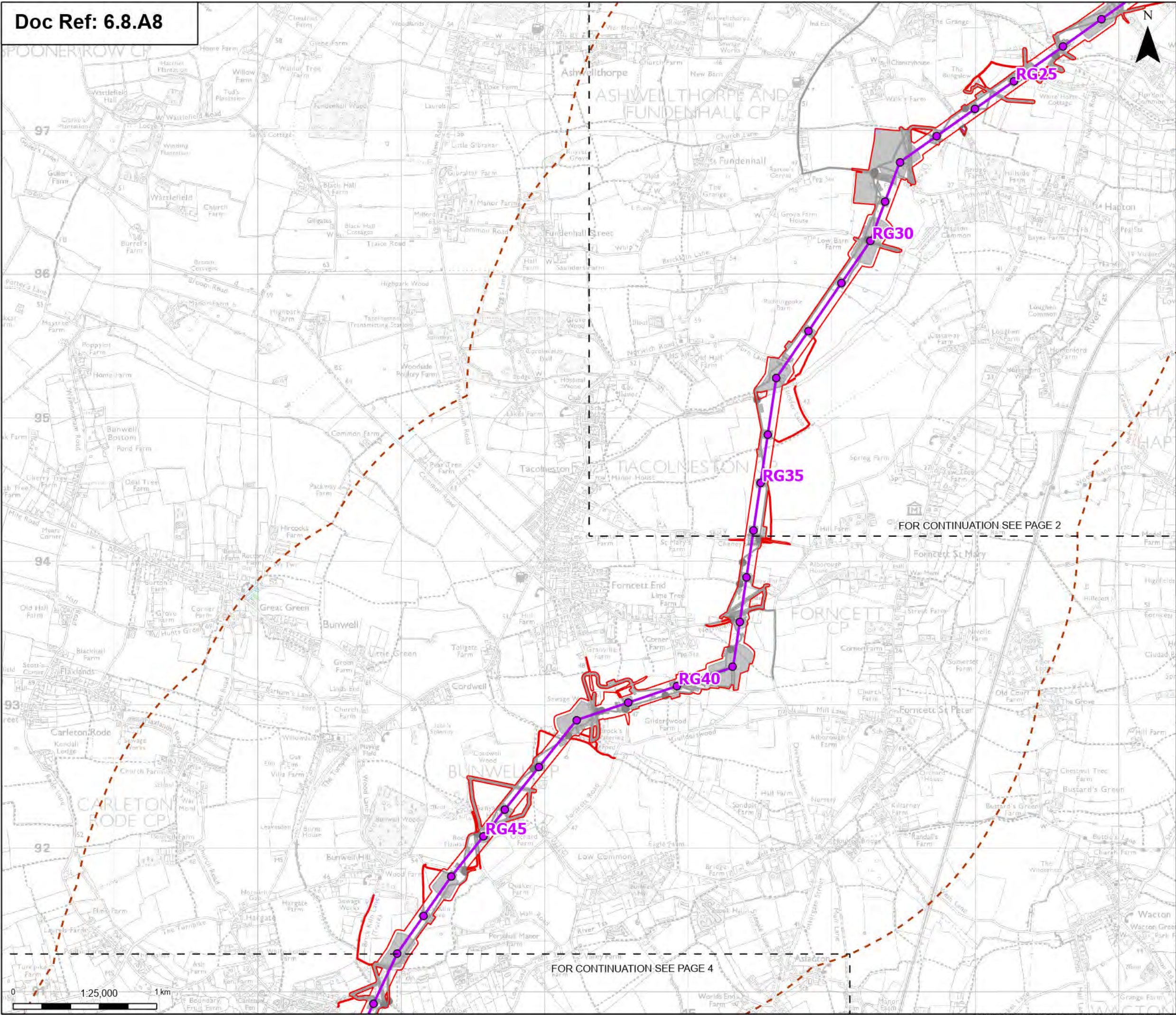
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Figure A8.8.5 - Ecology and Biodiversity-
Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

Barnacle goose (BY)

Bewick's swan (BS)

Common scoter (CX)

Garganey (GA)

Goldeneye (GN)

Pintail (PT)

Pochard (PO)

Scaup (SP)

Smew (SY)

Velvet scoter (VS)

White-fronted goose (WG)

Whooper swan (WS)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.5 - Ecology and Biodiversity-
Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number:
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Revision:
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Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

Barnacle goose (BY)

Bewick's swan (BS)

Common scoter (CX)

Garganey (GA)

Goldeneye (GN)

Pintail (PT)

Pochard (PO)

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White-fronted goose (WG)

Whooper swan (WS)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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nationalgrid

PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:
Figure A8.8.5 - Ecology and Biodiversity- Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

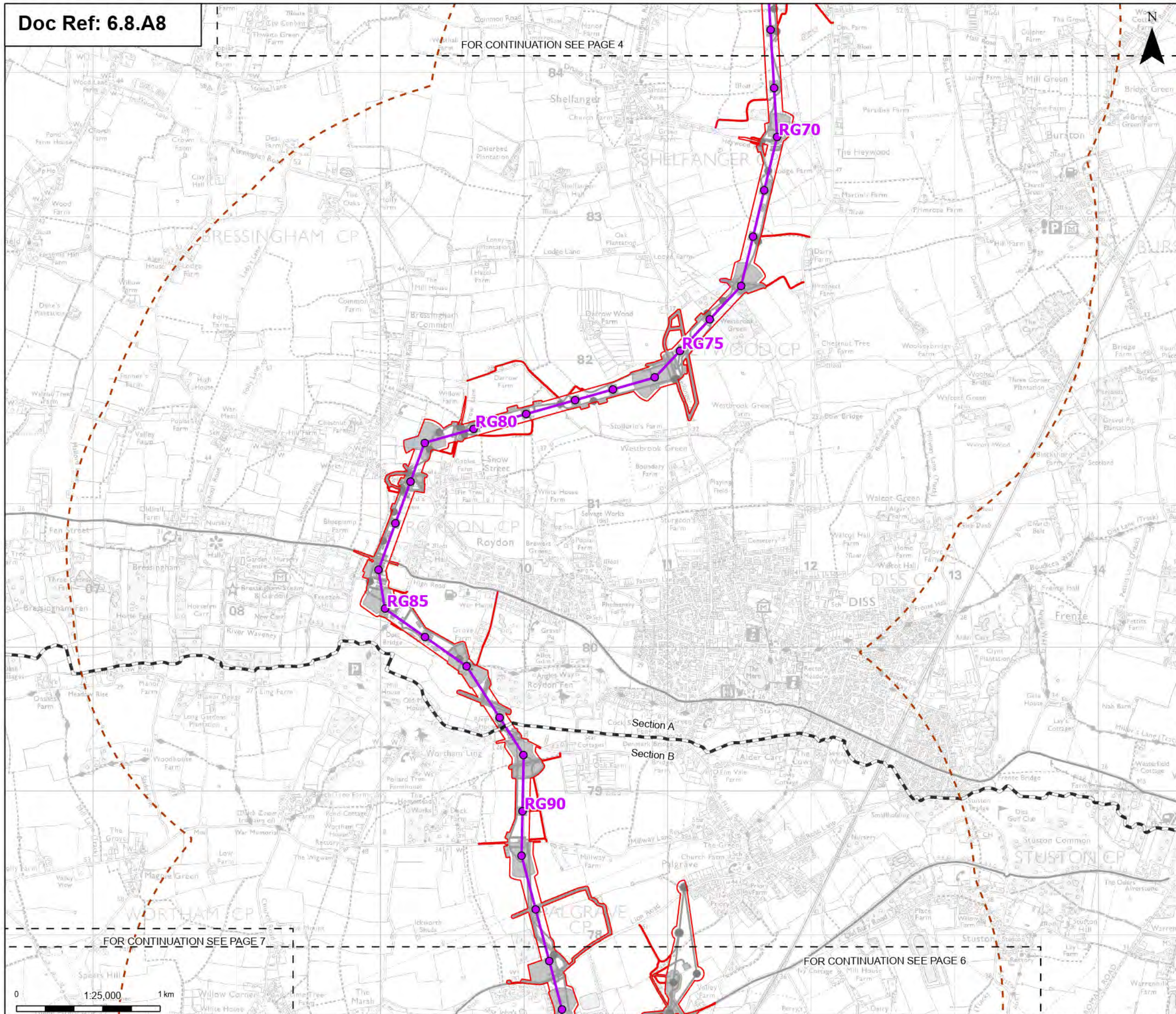
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Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00318	Revision:	A
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Discipline specific constraints
2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

- Barnacle goose (BY)
- Bewick's swan (BS)
- Common scoter (CX)
- Garganey (GA)
- Goldeneye (GN)
- Pintail (PT)
- Pochard (PO)
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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.5 - Ecology and Biodiversity-
Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Discipline specific constraints

2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

Barnacle goose (BY)

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nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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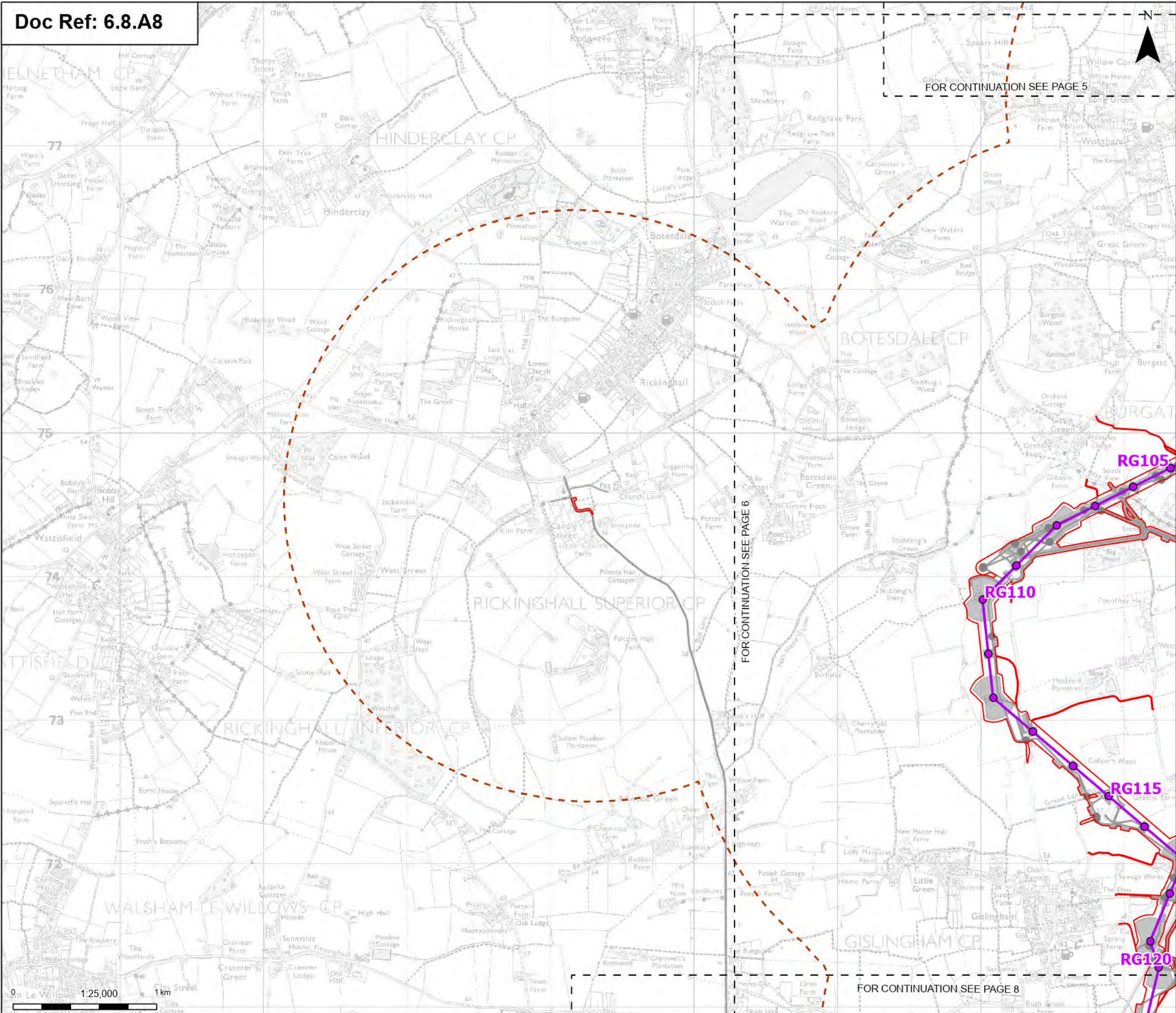
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

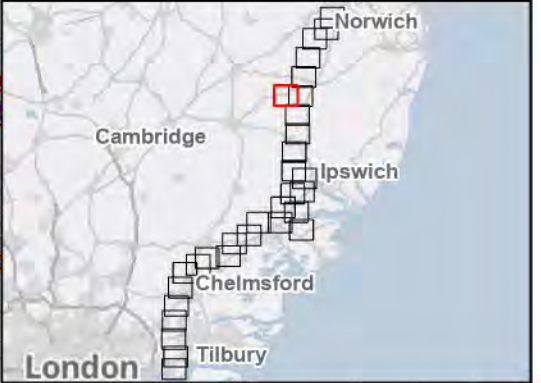
- 2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

- Barnacle goose (BY)
- Bewick's swan (BS)
- Common scoter (CX)
- Garganey (GA)
- Goldeneye (GN)
- Pintail (PT)
- Pochard (PO)
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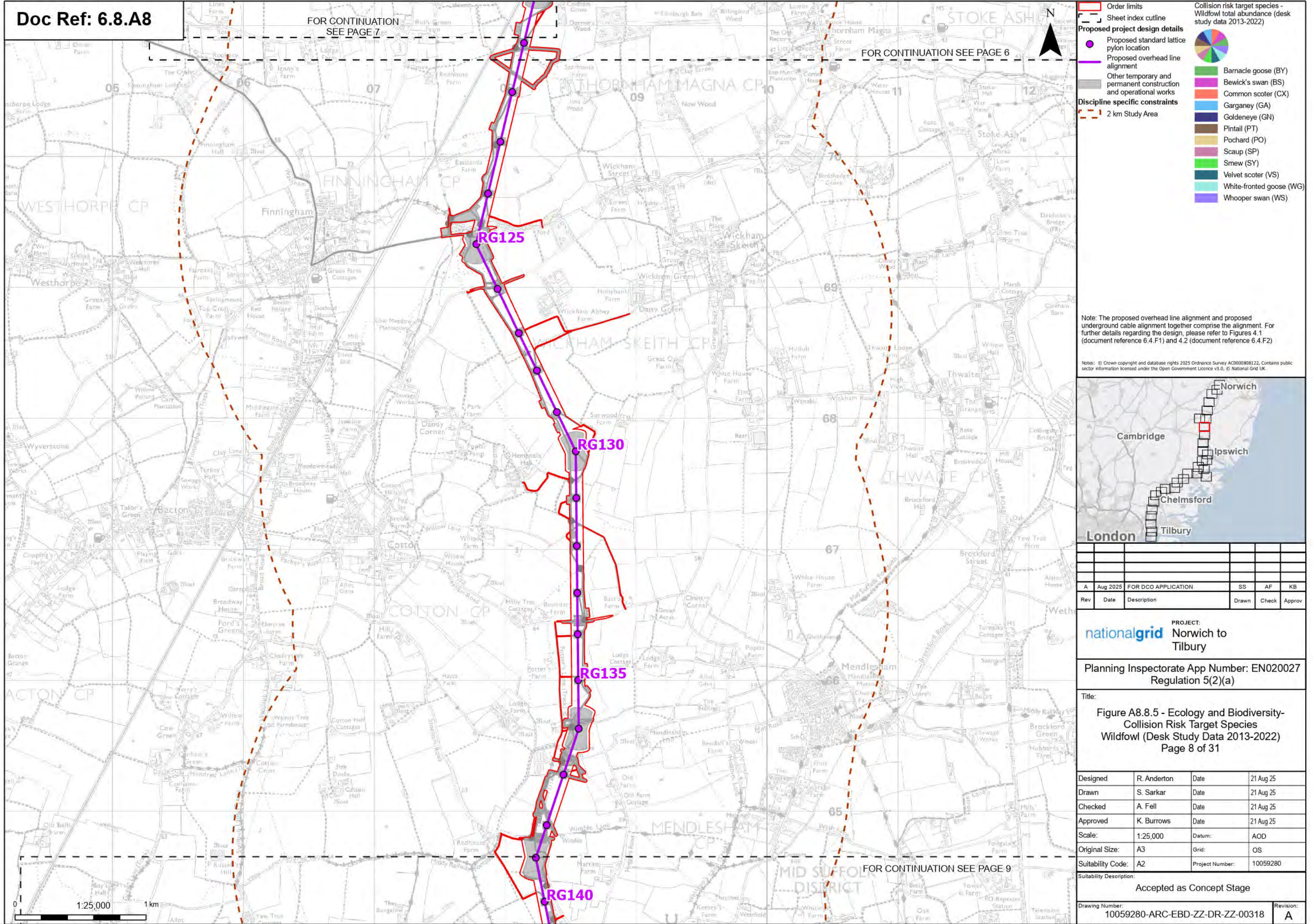
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Regulation 5(2)(a)

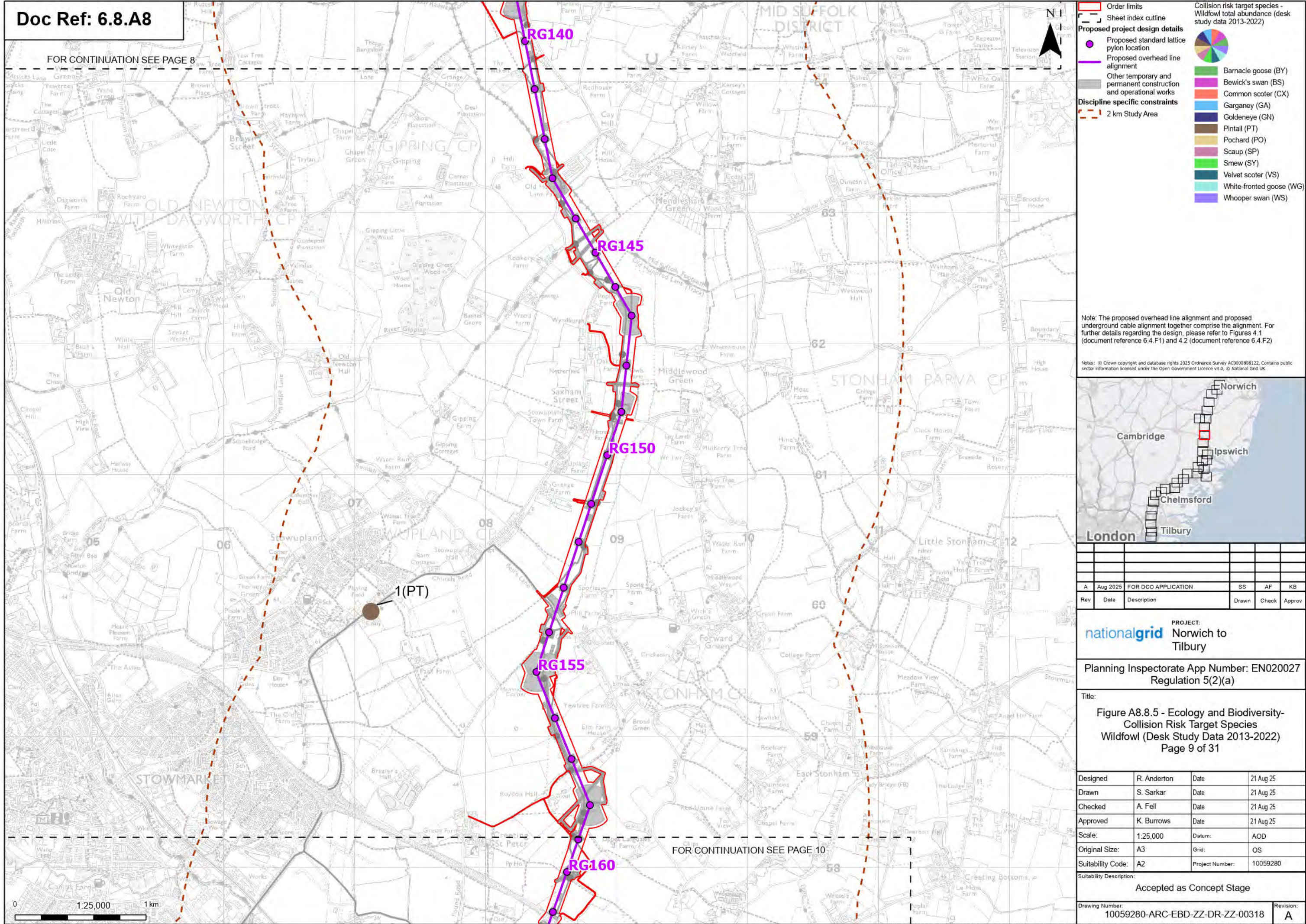
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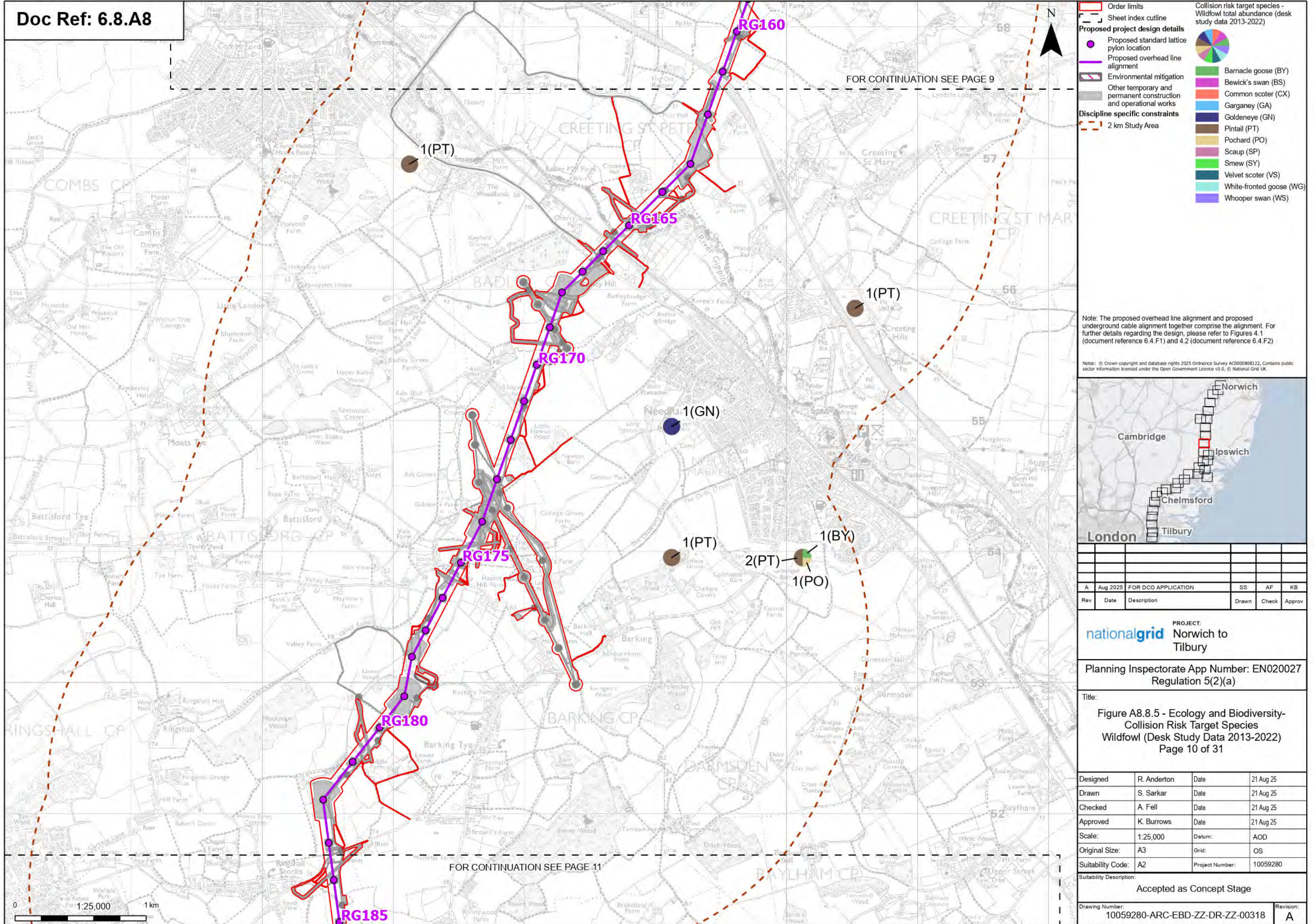
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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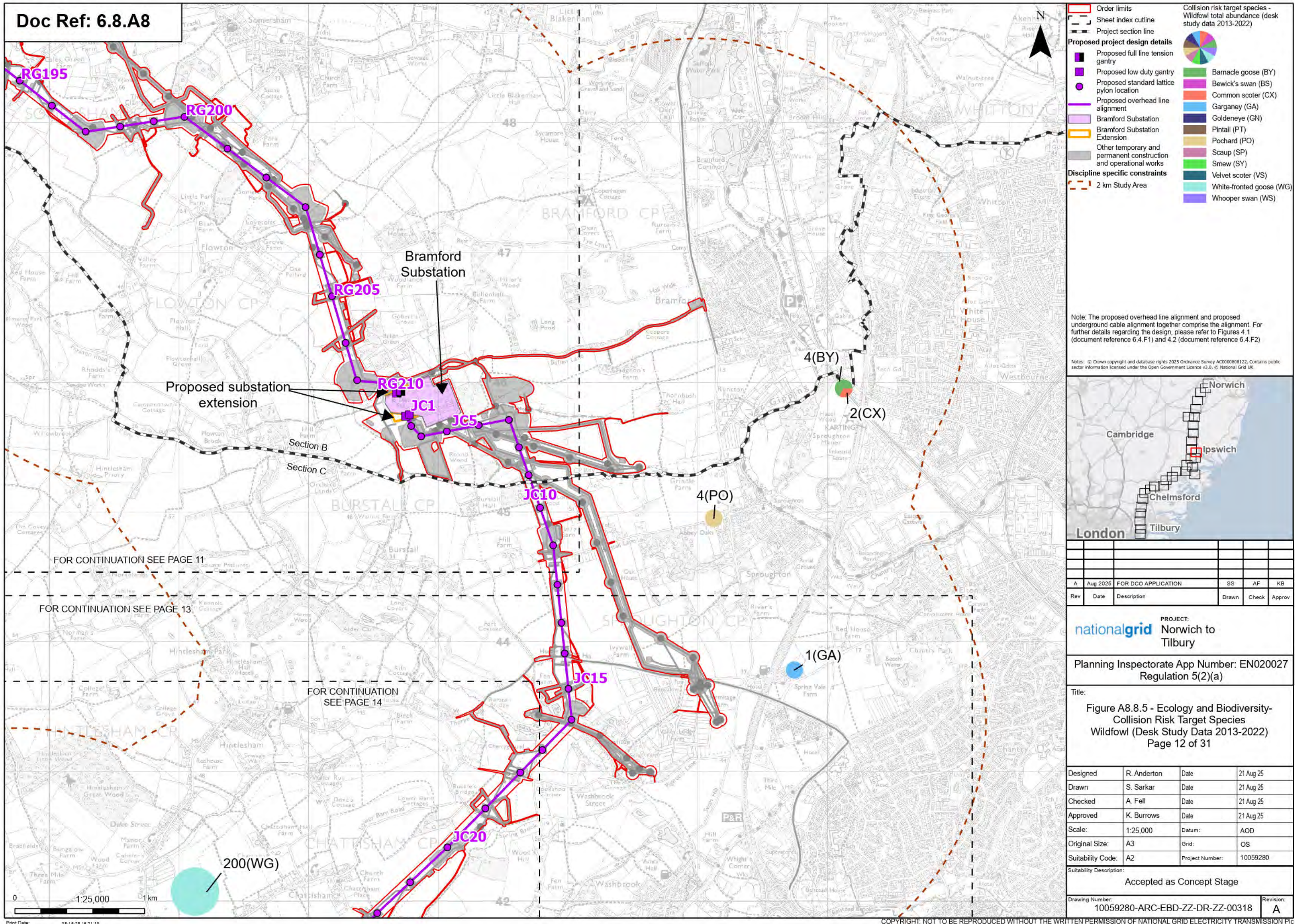
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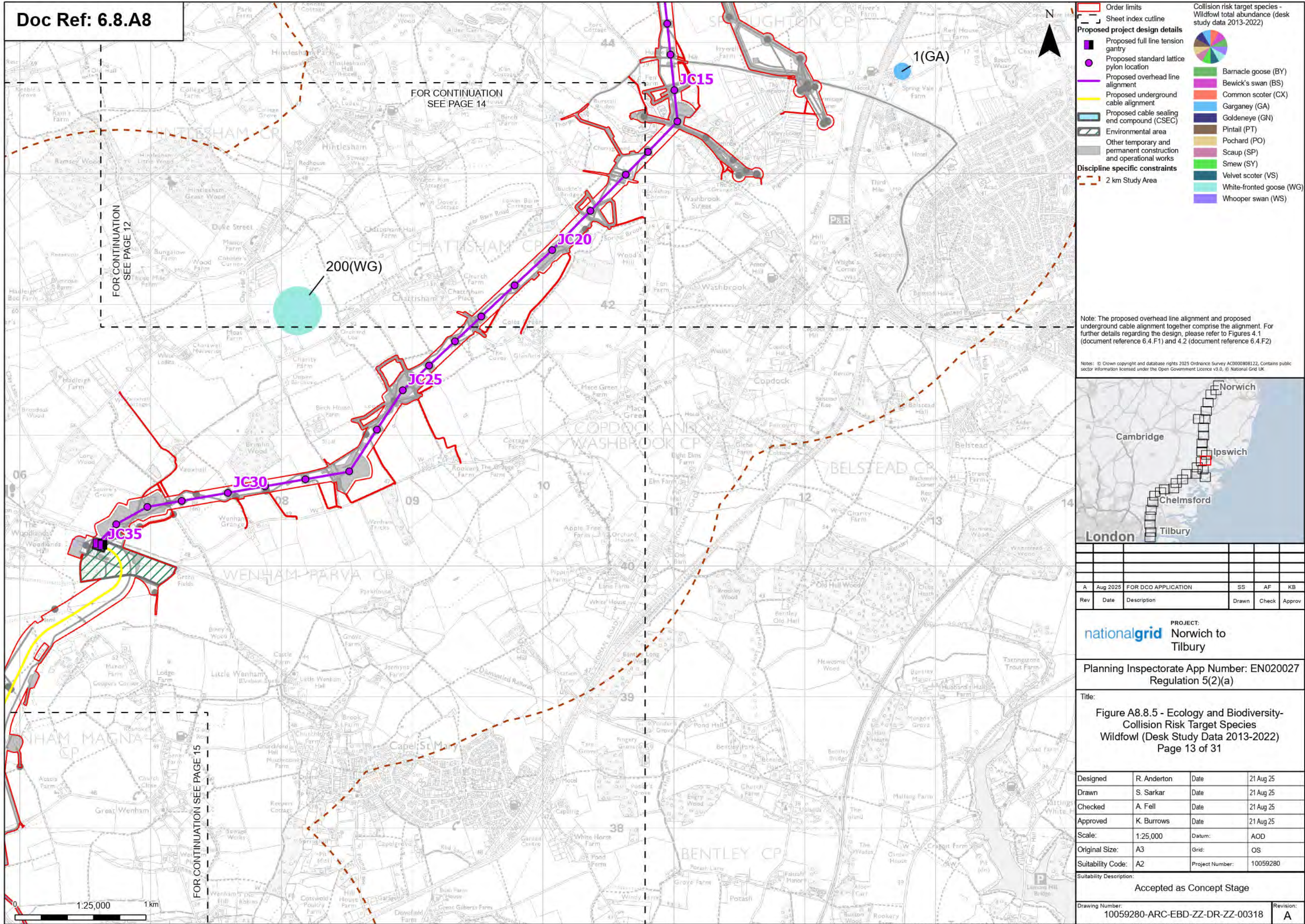


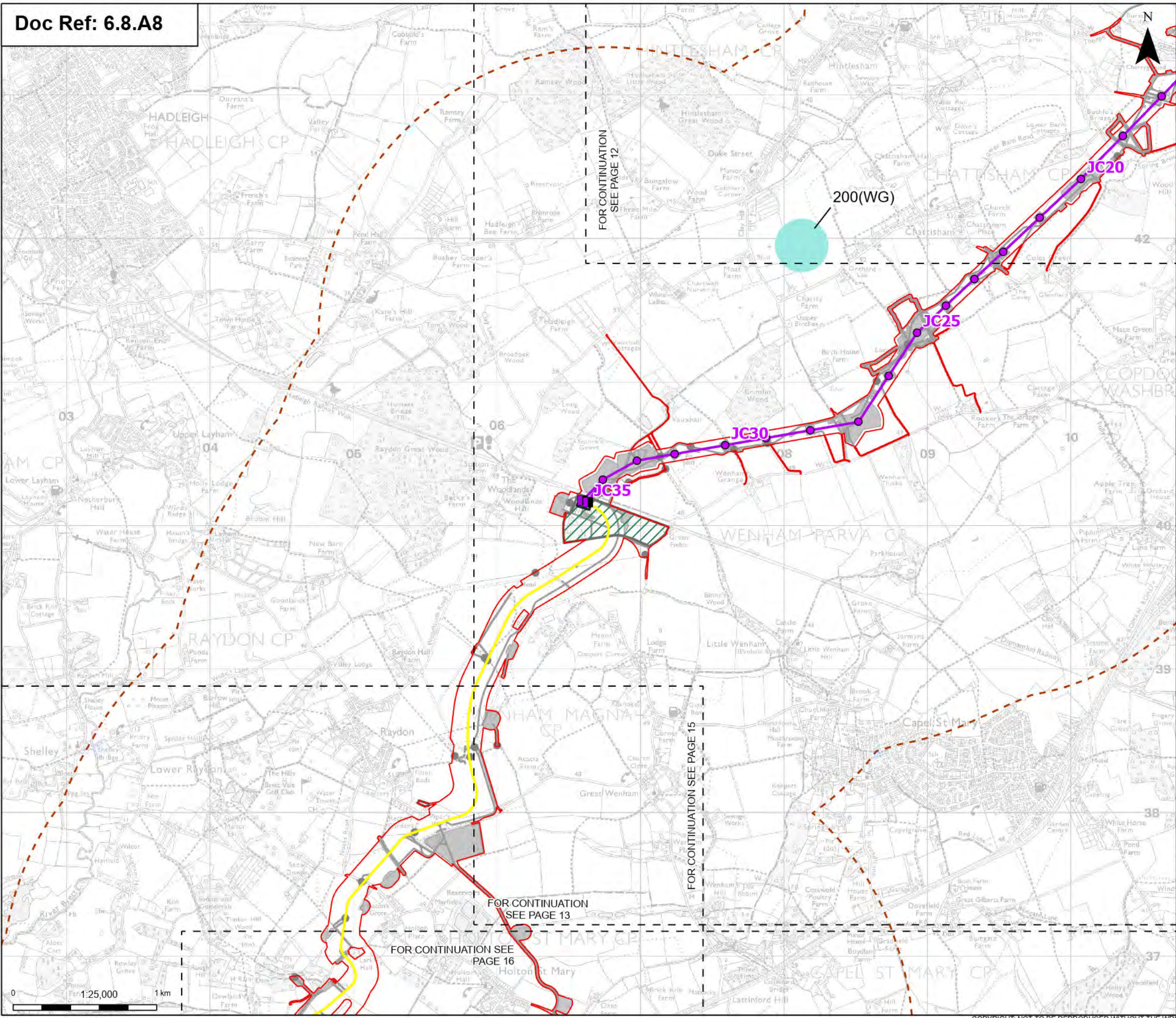




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Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

- Barnacle goose (BY)
- Bewick's swan (BS)
- Common scoter (CX)
- Garganey (GA)
- Goldeneye (GN)
- Pintail (PT)
- Pochard (PO)
- Scaup (SP)
- Smew (SY)
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- White-fronted goose (WG)
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Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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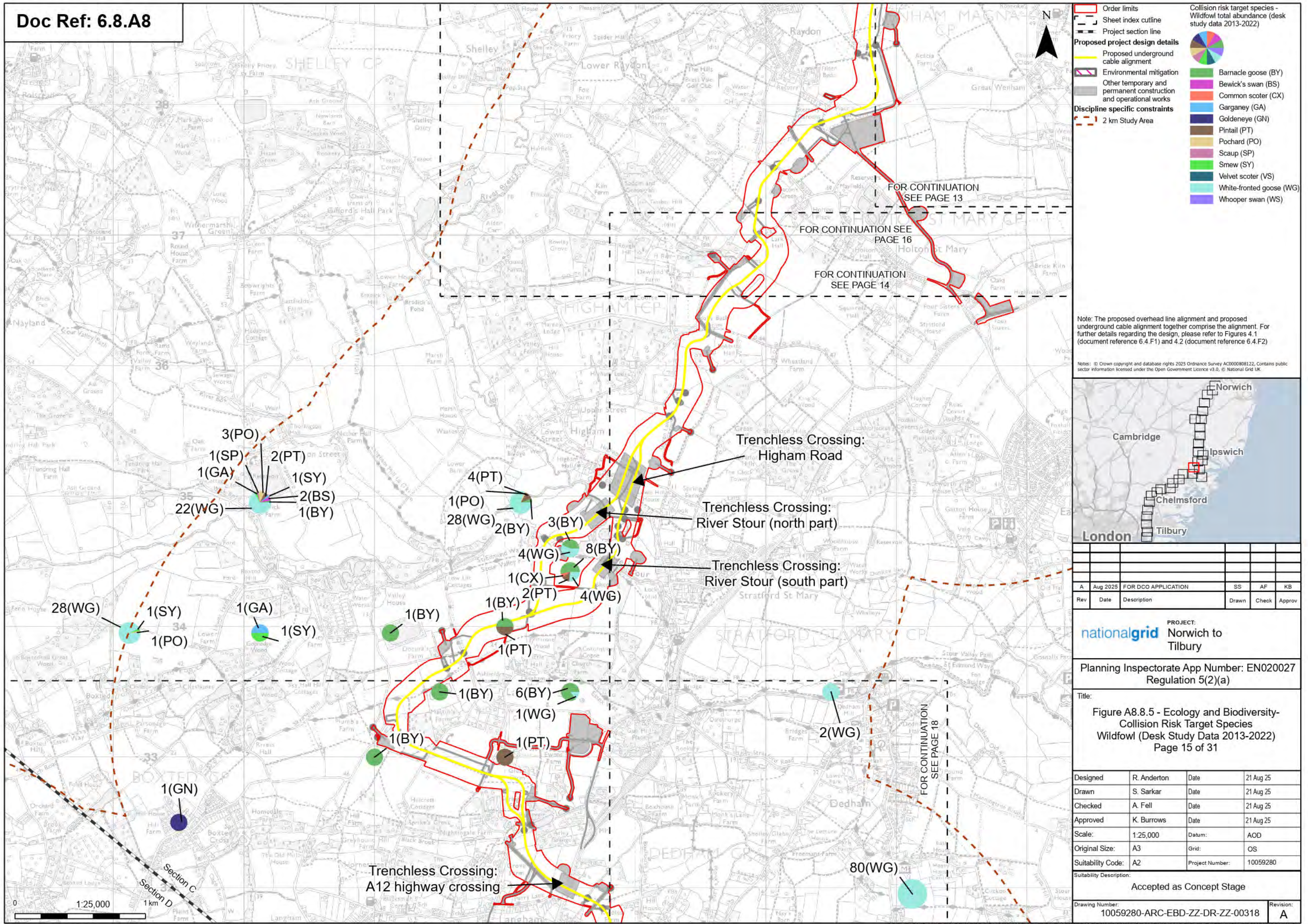
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Collision Risk Target Species
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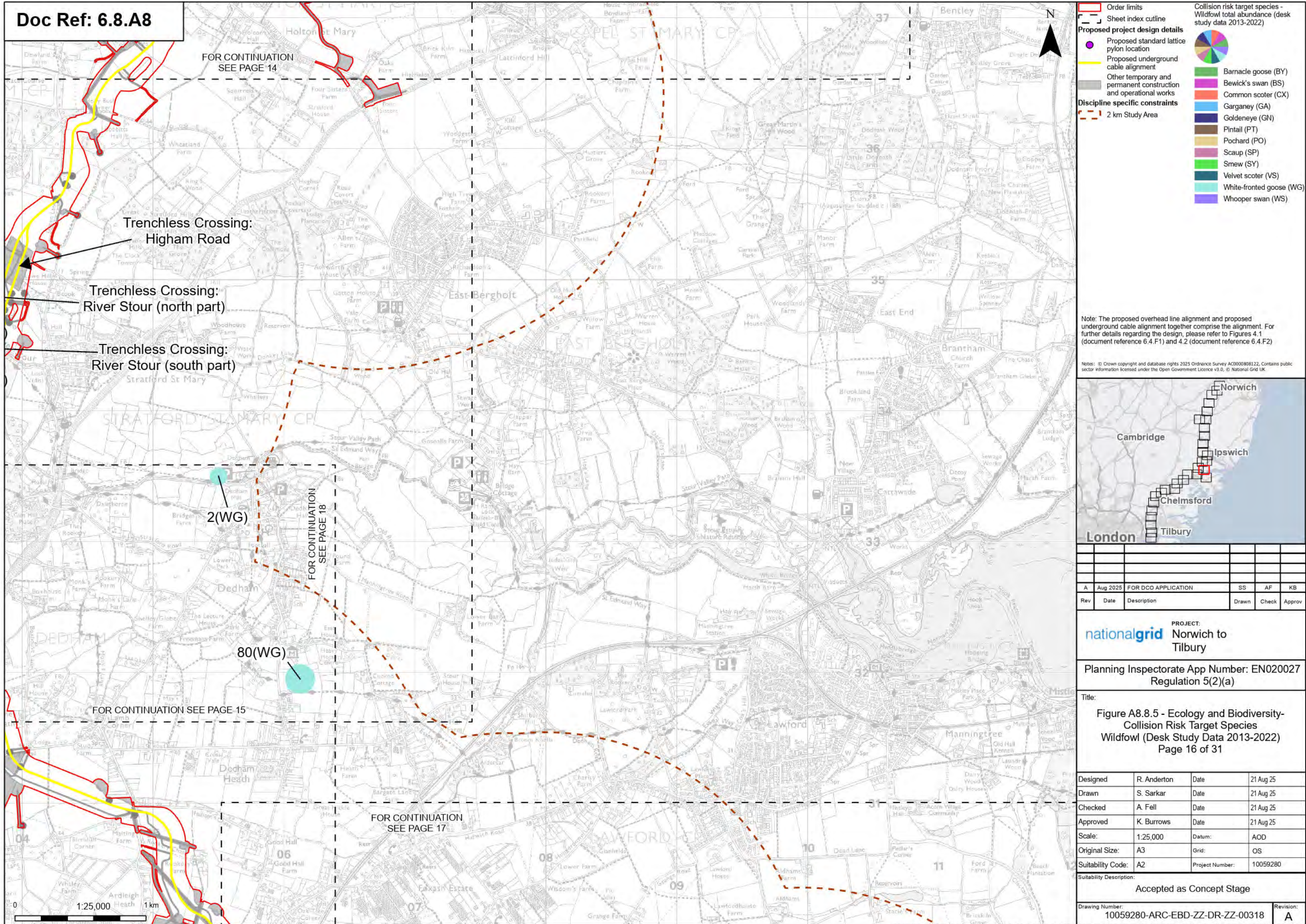
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

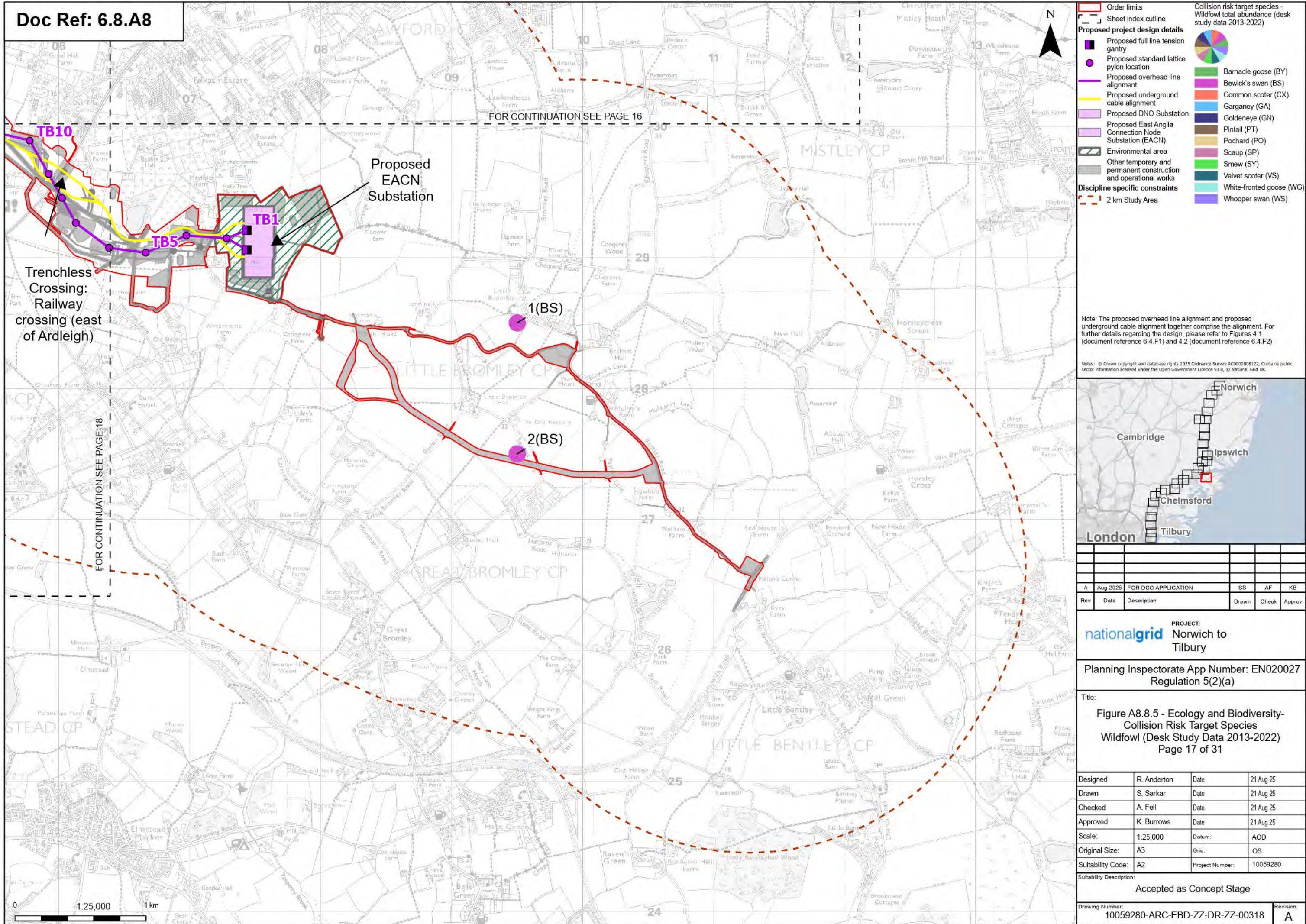
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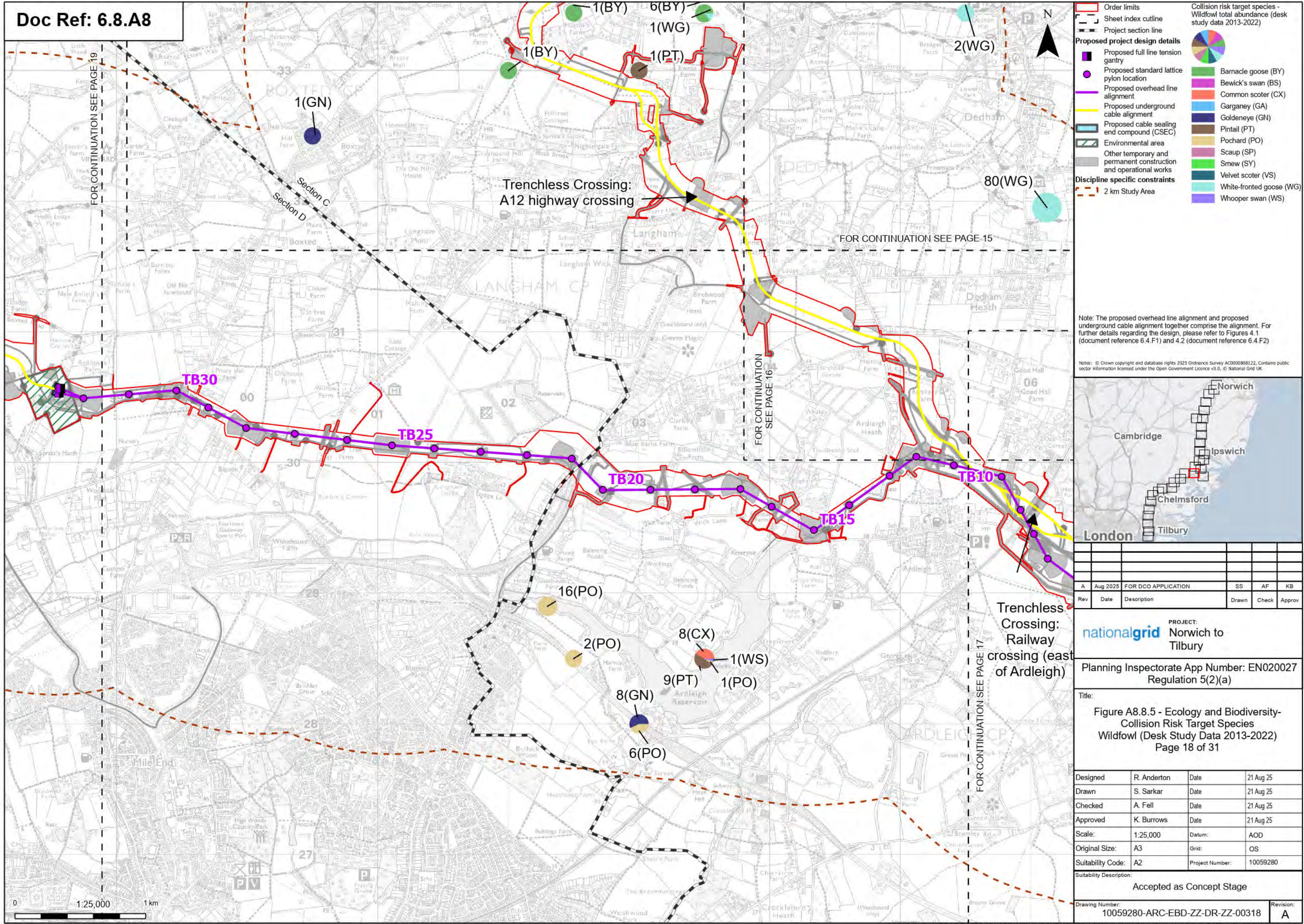
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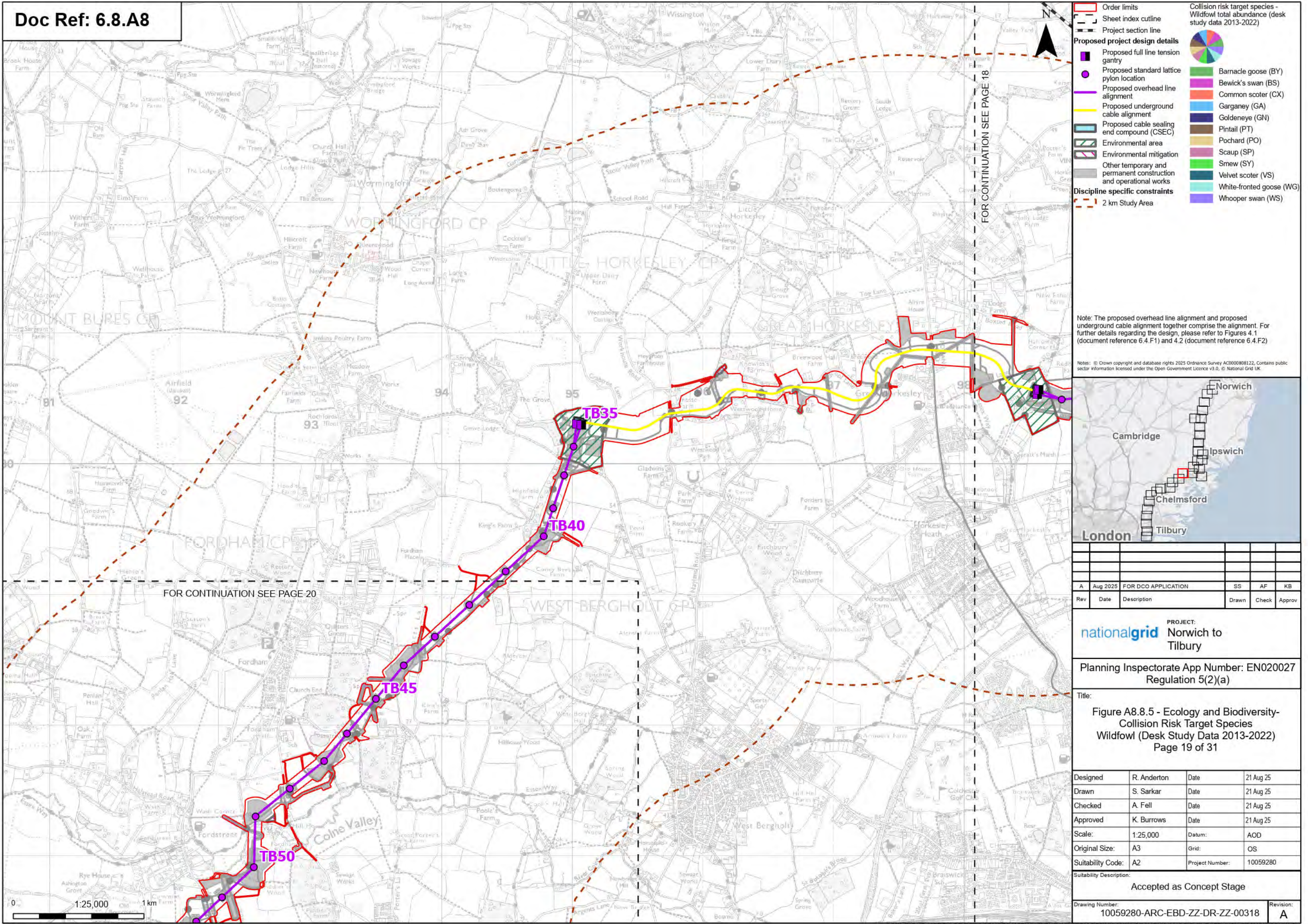
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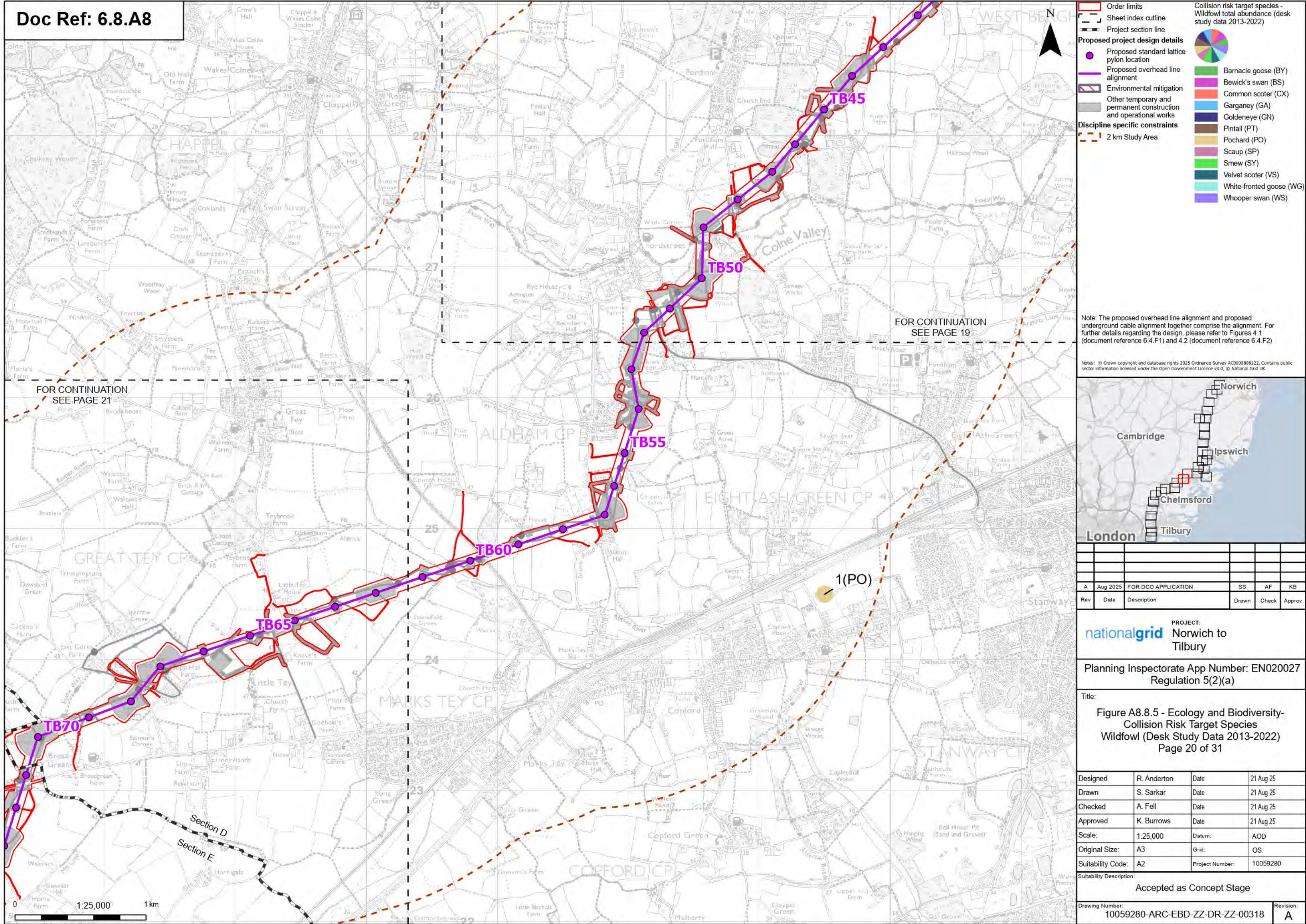


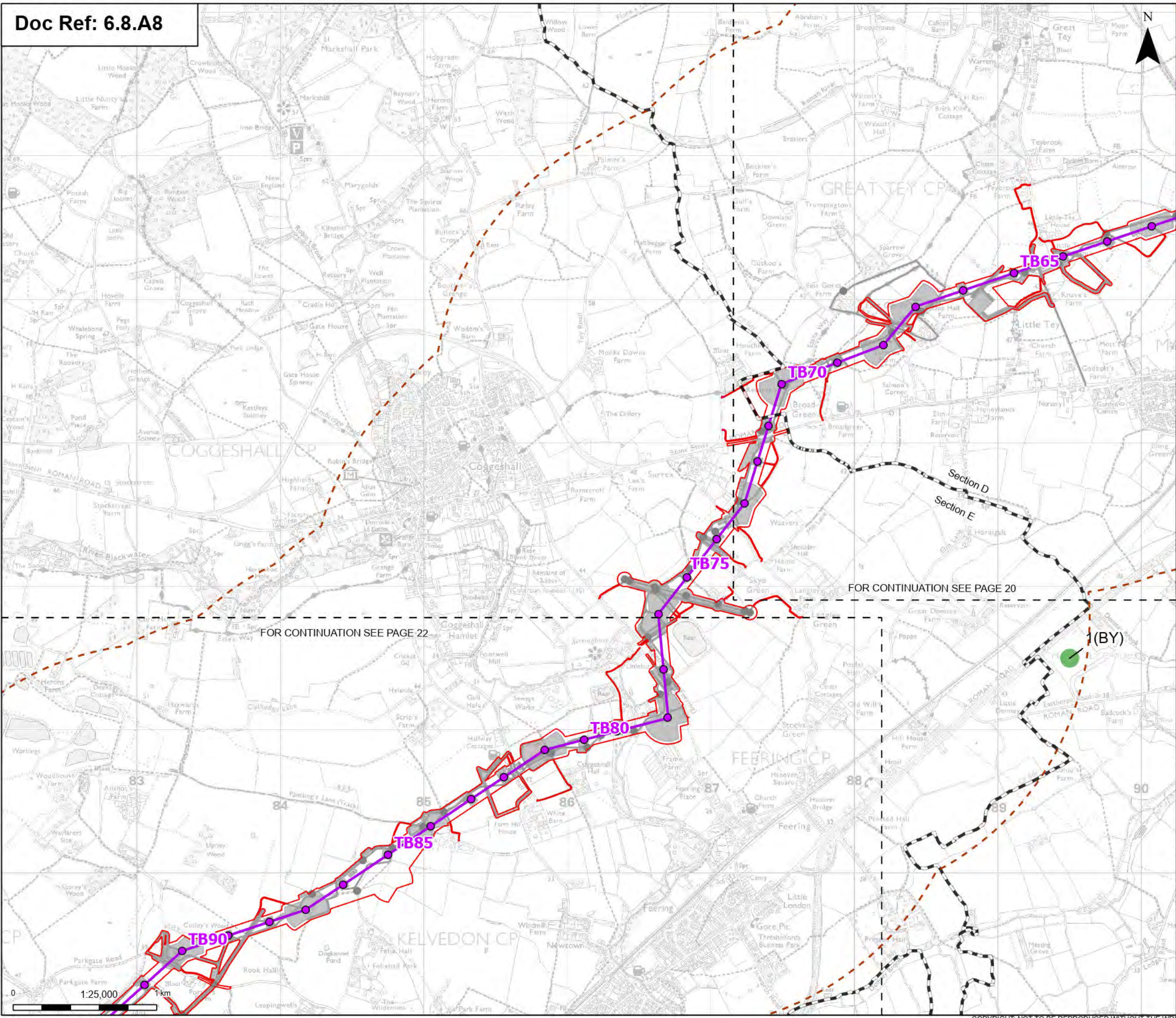












Order limits

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Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

Barnacle goose (BY)

Bewick's swan (BS)

Common scoter (CX)

Garganey (GA)

Goldeneye (GN)

Pintail (PT)

Pochard (PO)

Scaup (SP)

Smew (SY)

Velvet scoter (VS)

White-fronted goose (WG)

Whooper swan (WS)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Regulation 5(2)(a)

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Figure A8.8.5 - Ecology and Biodiversity-
Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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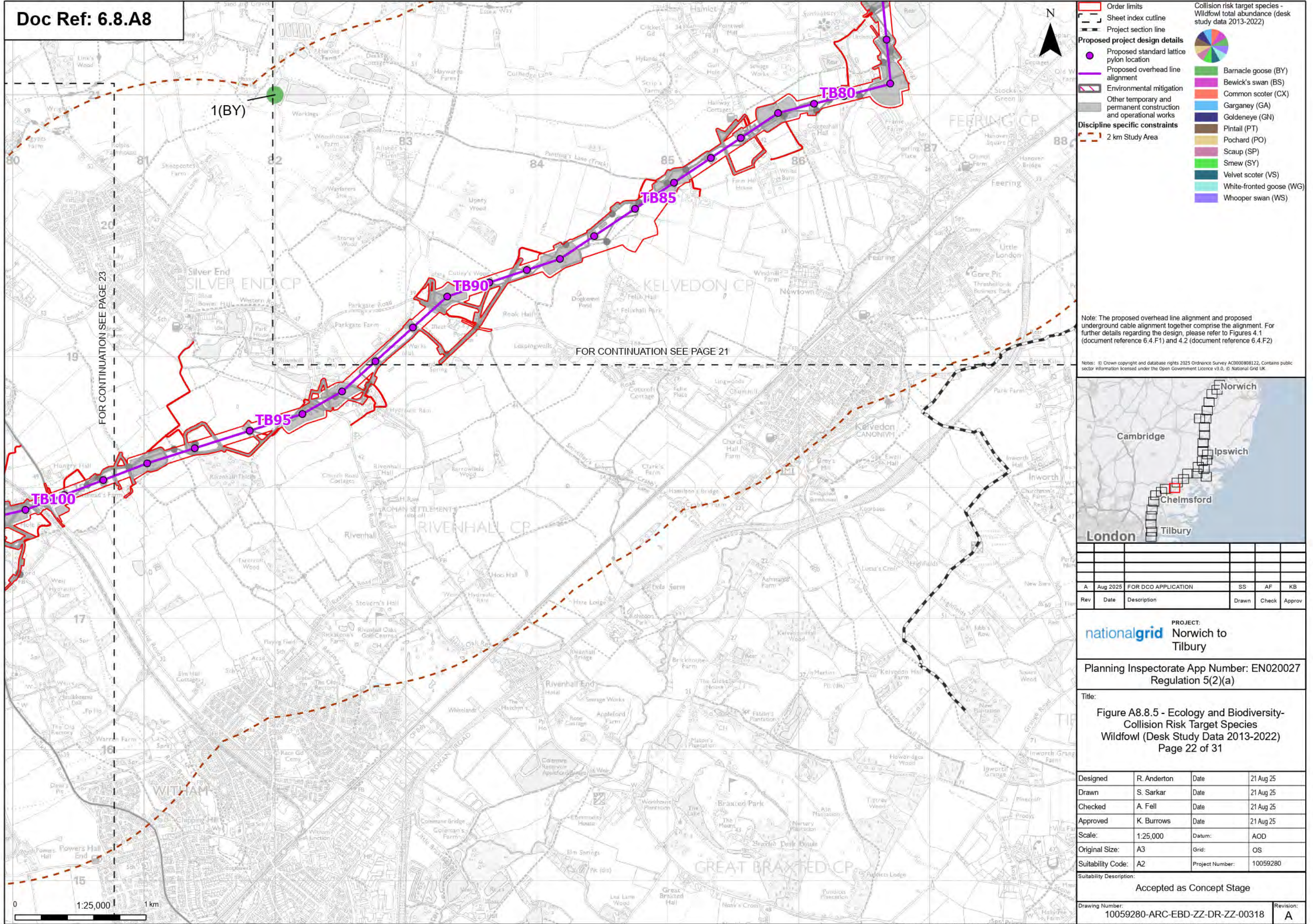
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

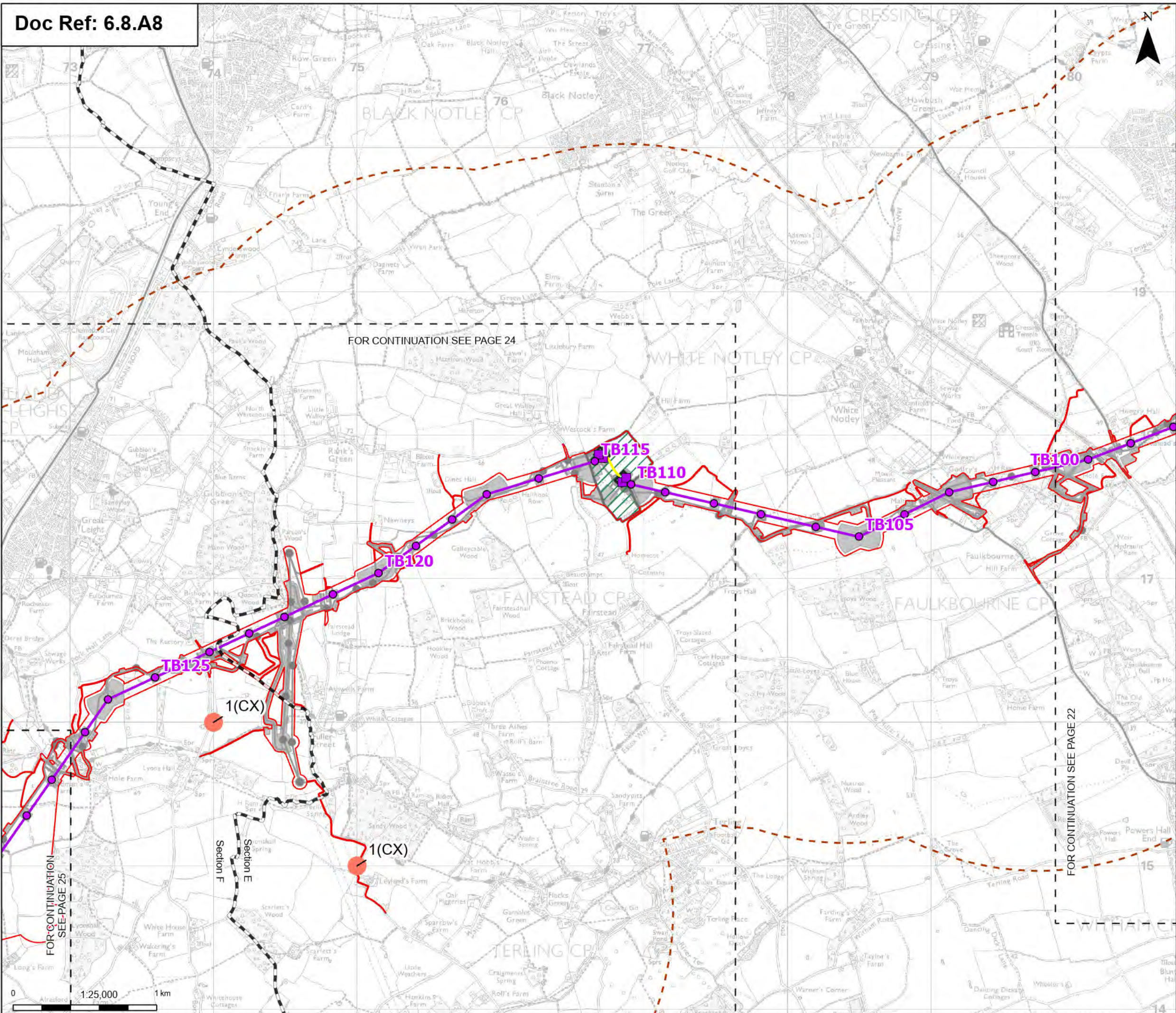
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Proposed project design details

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2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

Barnacle goose (BY)

Bewick's swan (BS)

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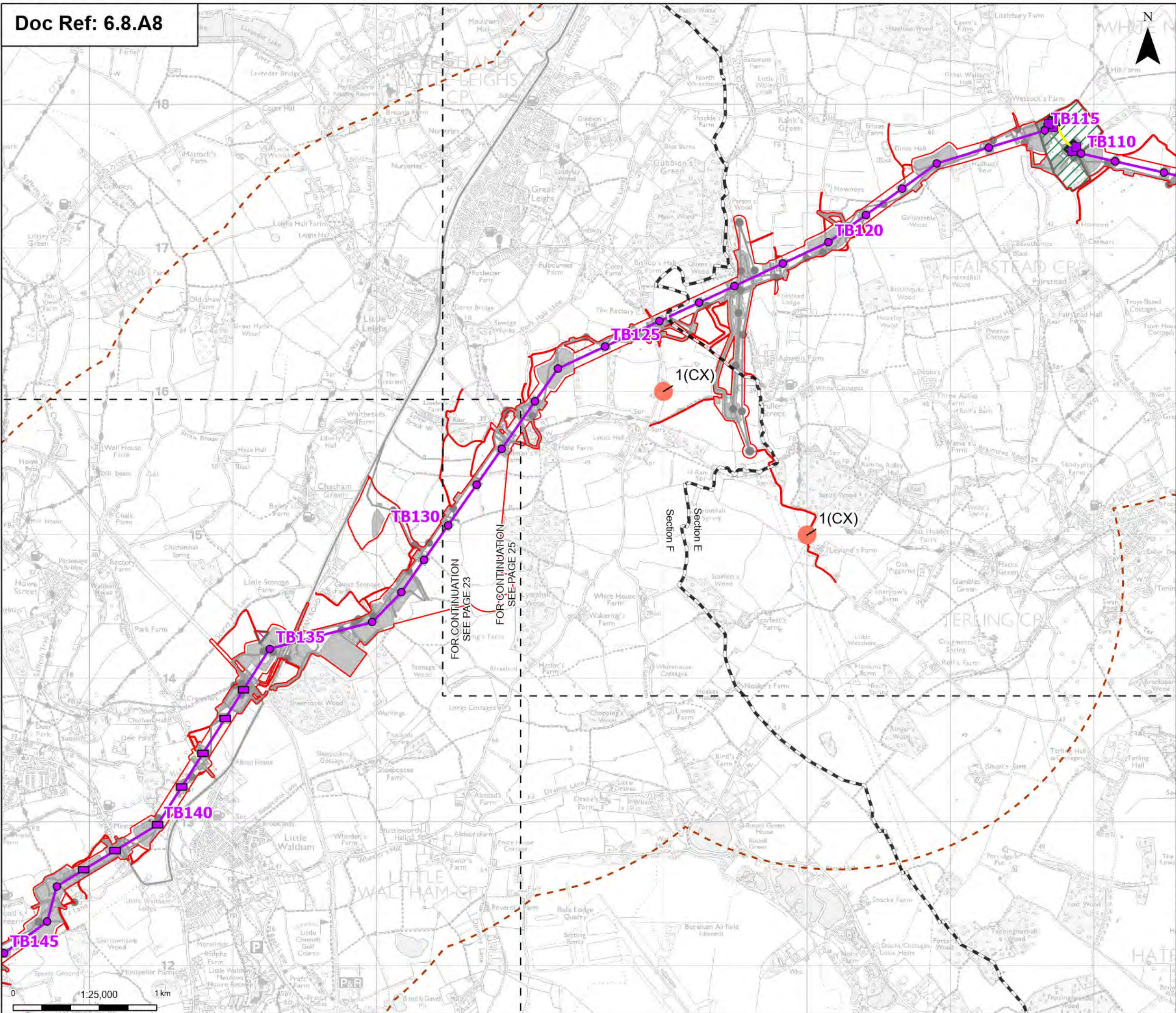
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Figure A8.8.5 - Ecology and Biodiversity-
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

- Barnacle goose (BY)
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Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

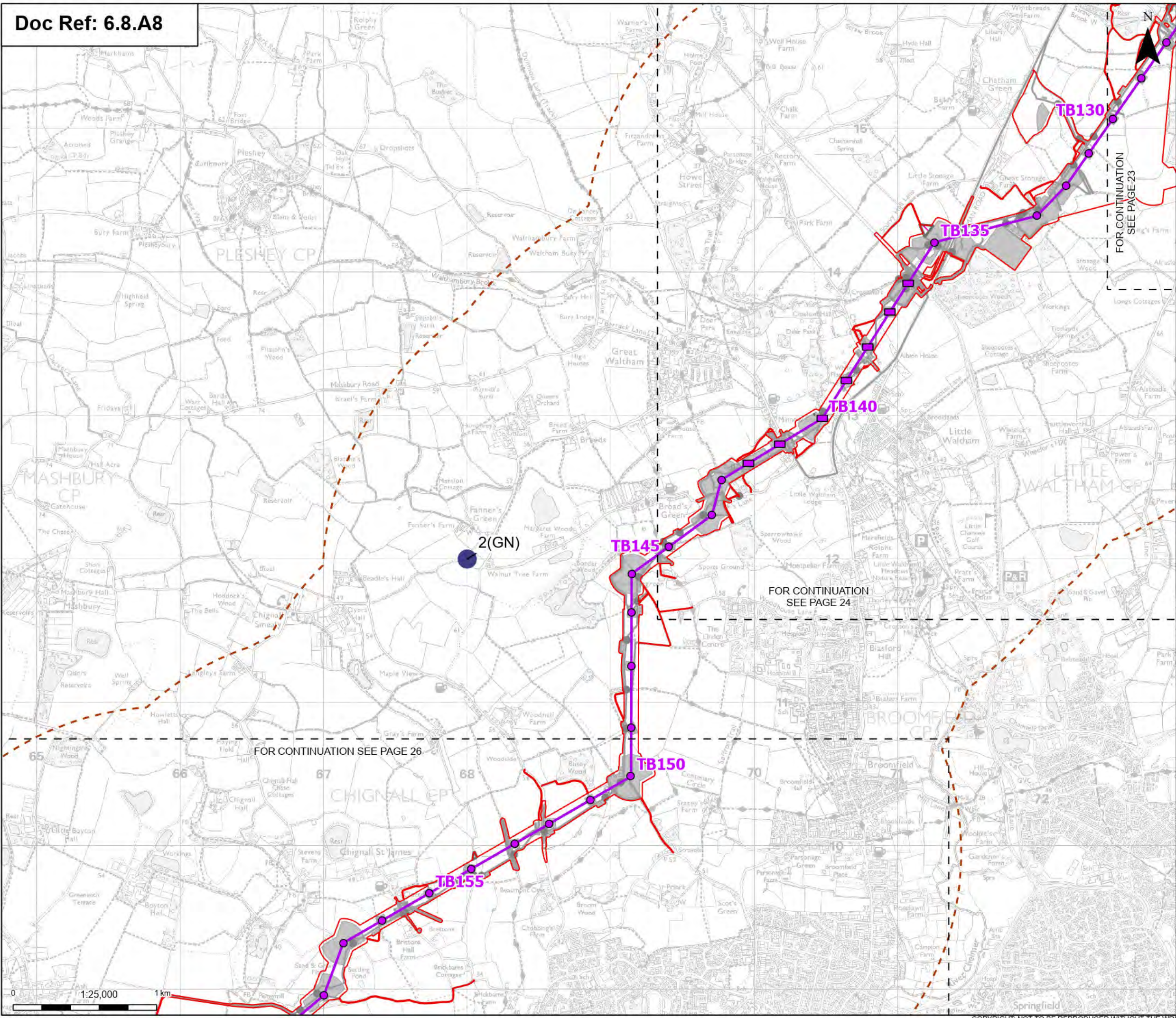
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Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Environmental mitigation
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Discipline specific constraints
2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

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PROJECT:
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Planning Inspectorate App Number: EN020027
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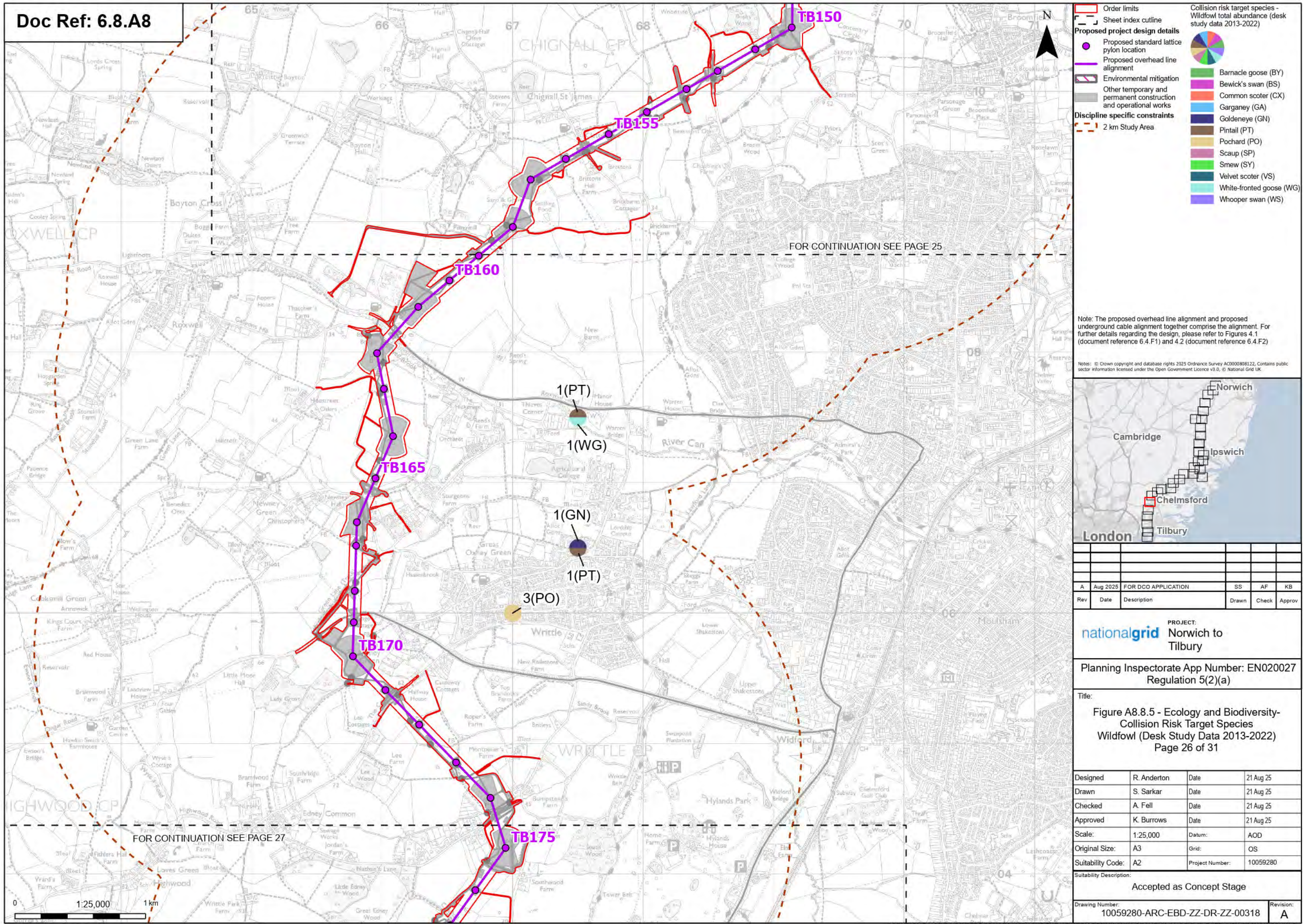
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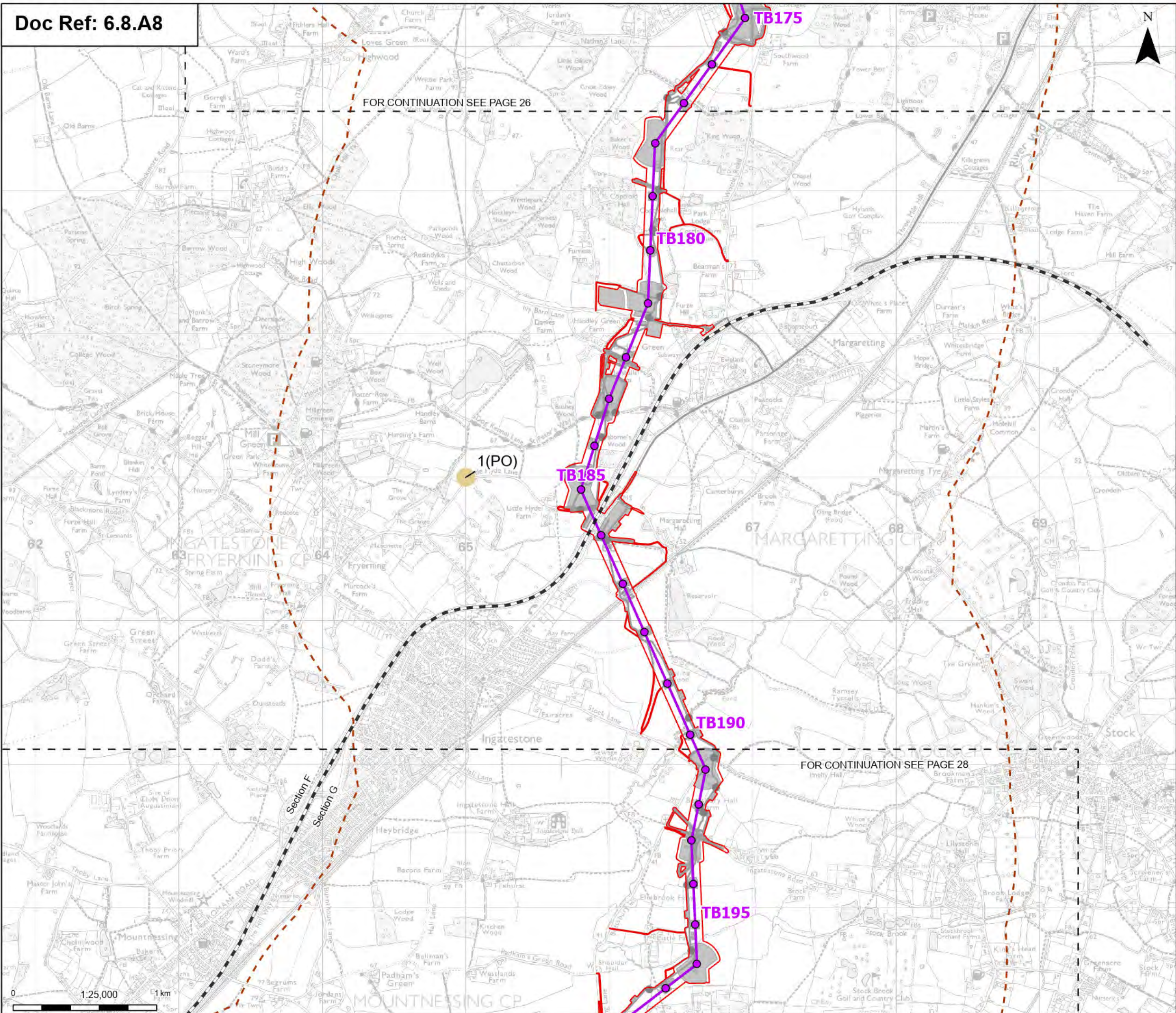
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2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

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Bewick's swan (BS)

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
**Figure A8.8.5 - Ecology and Biodiversity-
Collision Risk Target Species
Wildfowl (Desk Study Data 2013-2022)
Page 27 of 31**

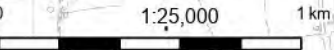
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

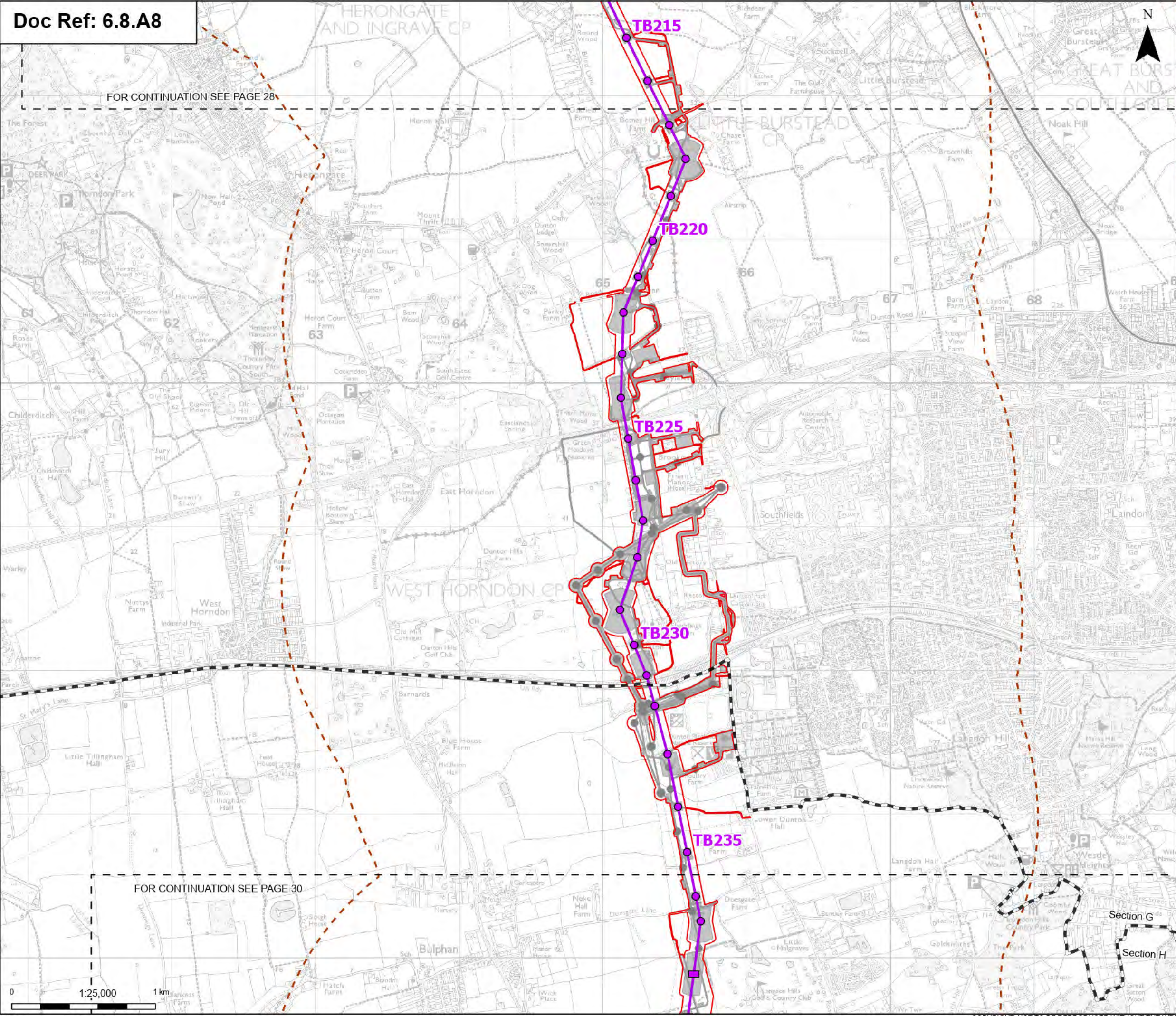
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FOR CONTINUATION SEE PAGE 28

FOR CONTINUATION SEE PAGE 30



Print Date: 08-19-25 16:22:18



Order limits

Sheet index cutline

Project section line

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Wildfowl total abundance (desk study data 2013-2022)

Barnacle goose (BY)

Bewick's swan (BS)

Common scoter (CX)

Garganey (GA)

Goldeneye (GN)

Pintail (PT)

Pochard (PO)

Scaup (SP)

Smew (SY)

Velvet scoter (VS)

White-fronted goose (WG)

Whooper swan (WS)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approv

PROJECT: **Norwich to Tilbury**

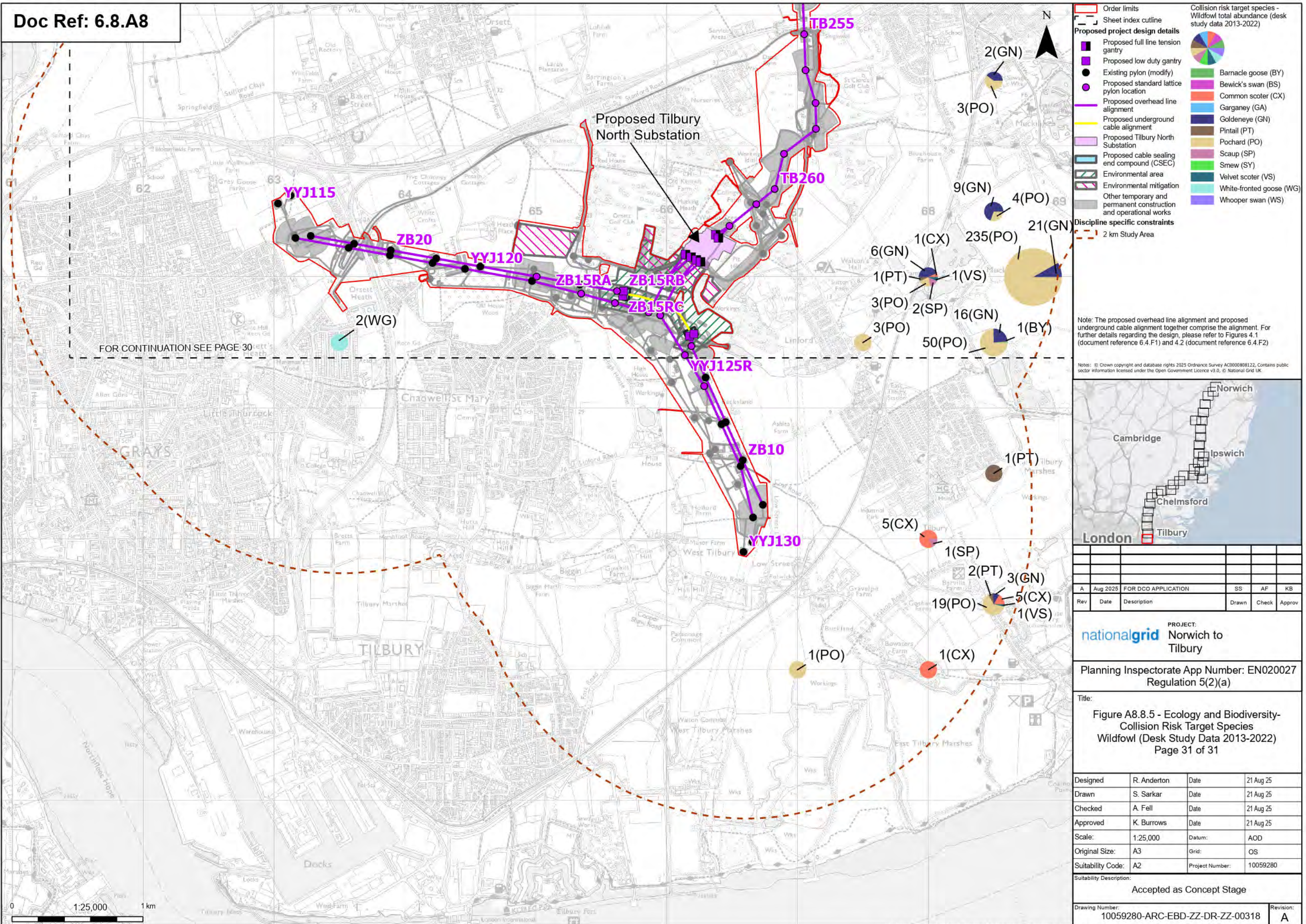
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Regulation 5(2)(a)

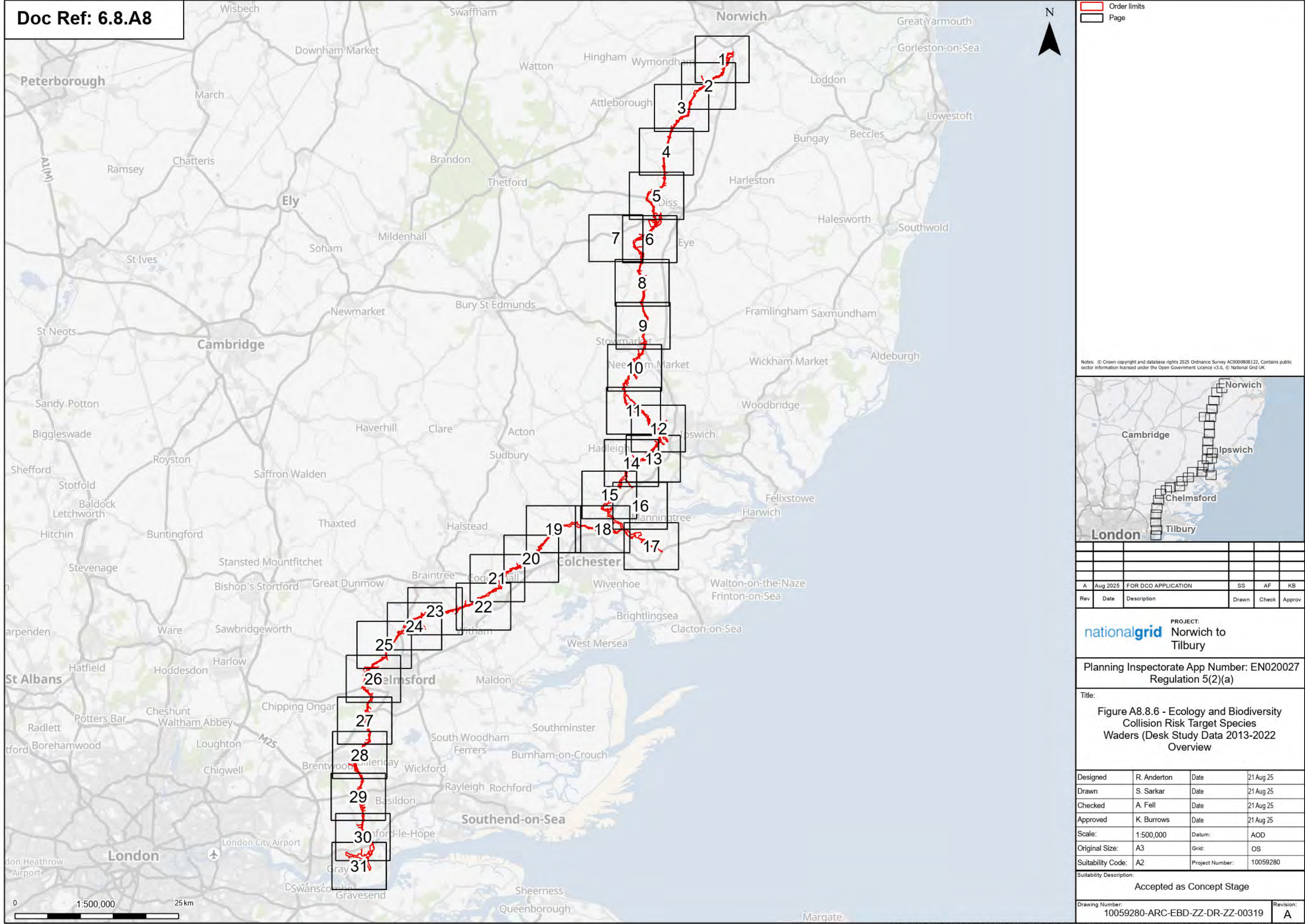
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Figure A8.8.5 - Ecology and Biodiversity- Collision Risk Target Species Wildfowl (Desk Study Data 2013-2022)
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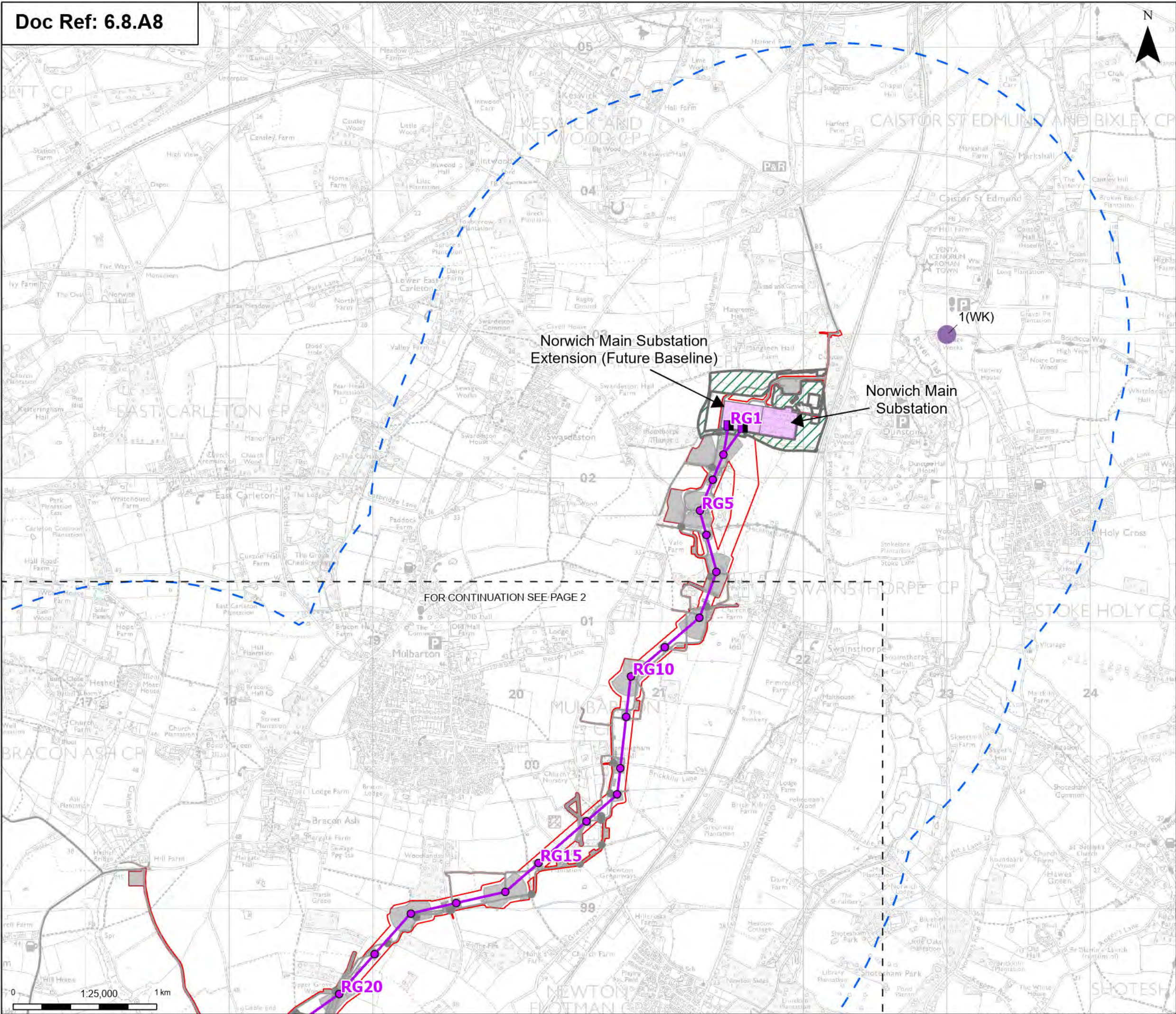
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: **10059280-ARC-EBD-ZZ-DR-ZZ-00318** Revision: **A**







Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

Lapwing (L)

Little ringed plover (LP)

Ringed plover (RP)

Ruff (RU)

Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

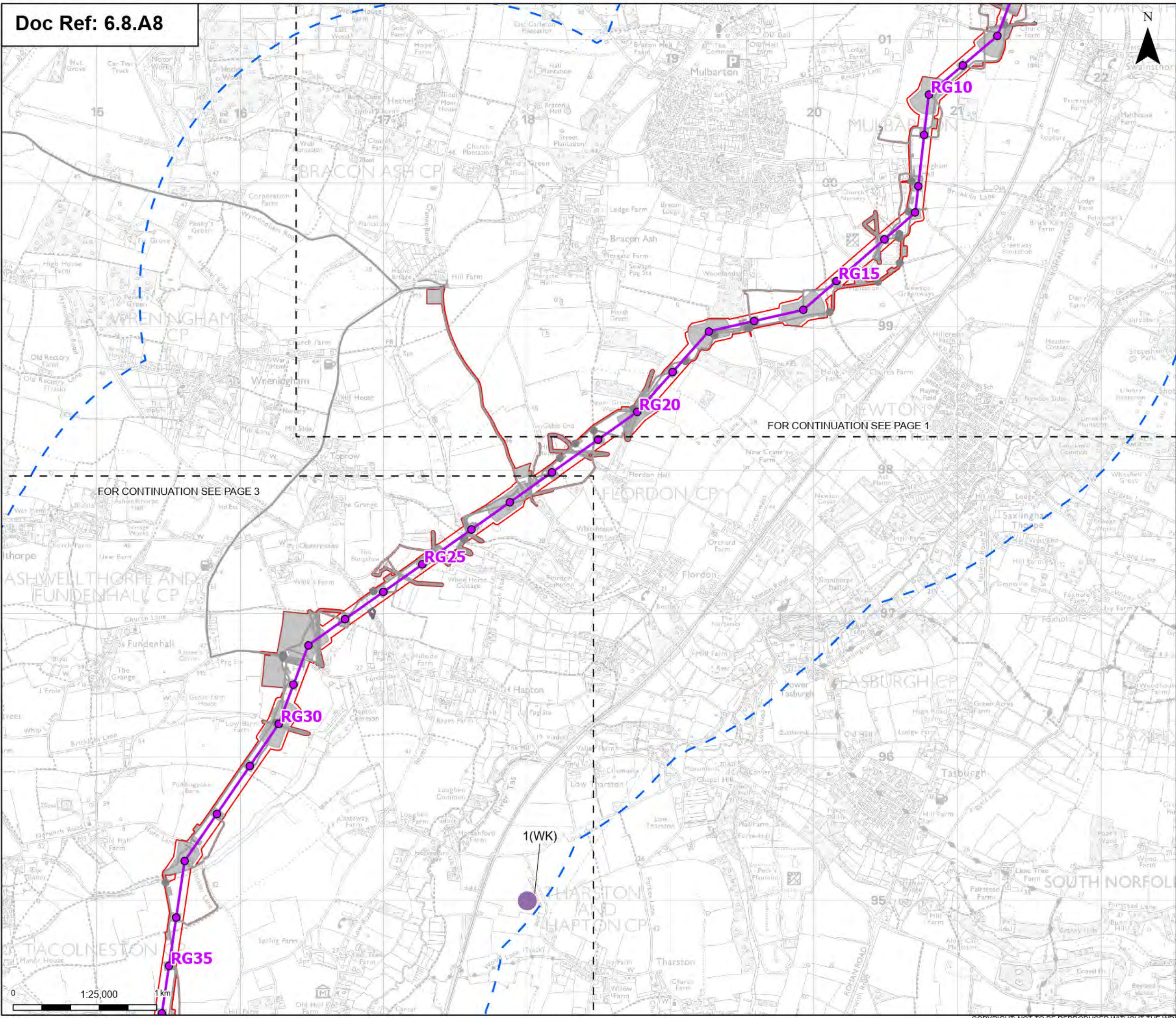
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Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022)
Page 1 of 31

Designed	R. Anderton	Date	21 Aug 25
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

Lapwing (L)

Little ringed plover (LP)

Ringed plover (RP)

Ruff (RU)

Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to Tilbury

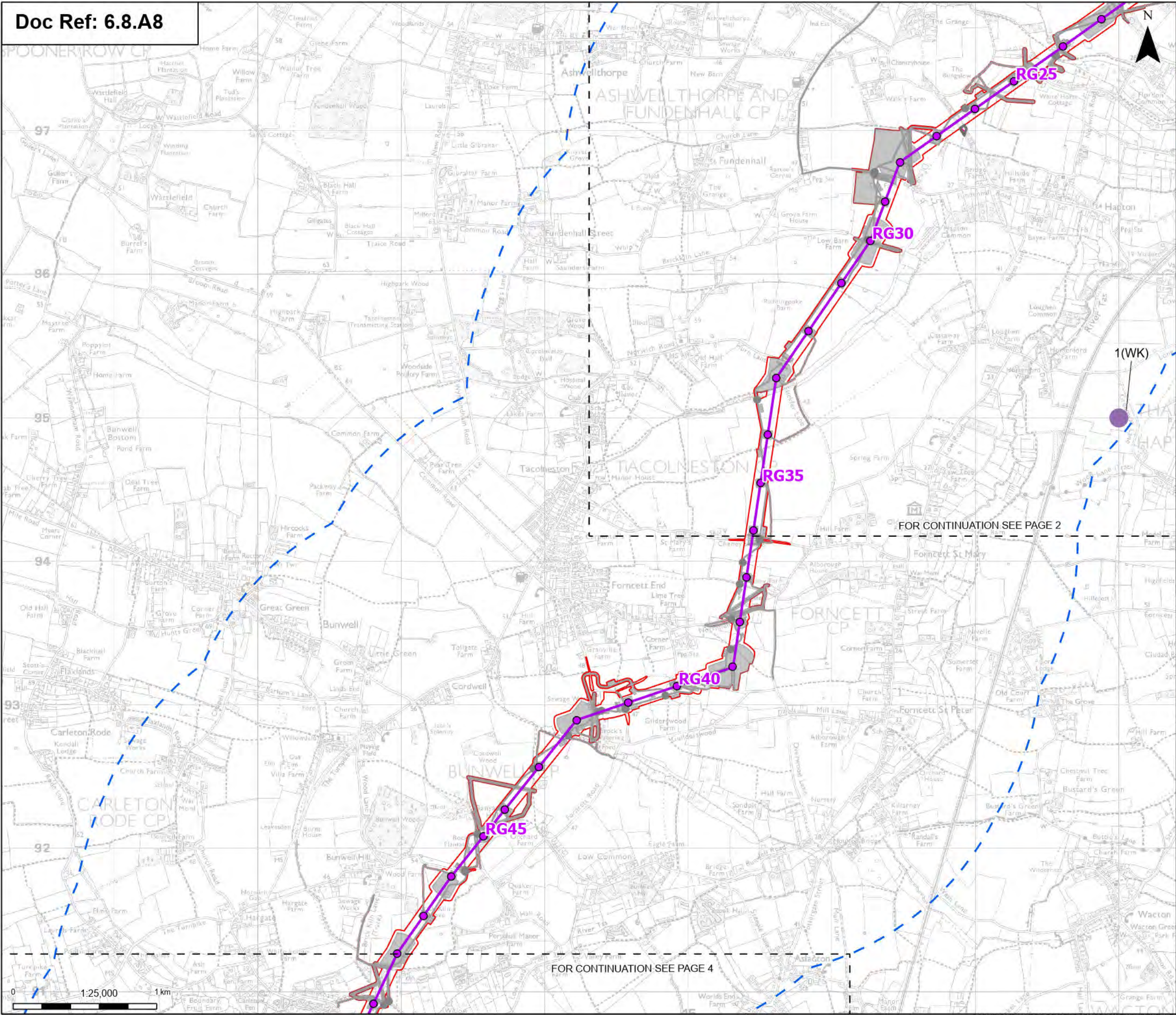
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Regulation 5(2)(a)

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Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00319	Revision: A
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Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

Lapwing (L)

Little ringed plover (LP)

Ringed plover (RP)

Ruff (RU)

Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:
**Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022
Page 3 of 31**

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
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Suitability Description:
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FOR CONTINUATION SEE PAGE 5

Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

Lapwing (L)

Little ringed plover (LP)

Ringed plover (RP)

Ruff (RU)

Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

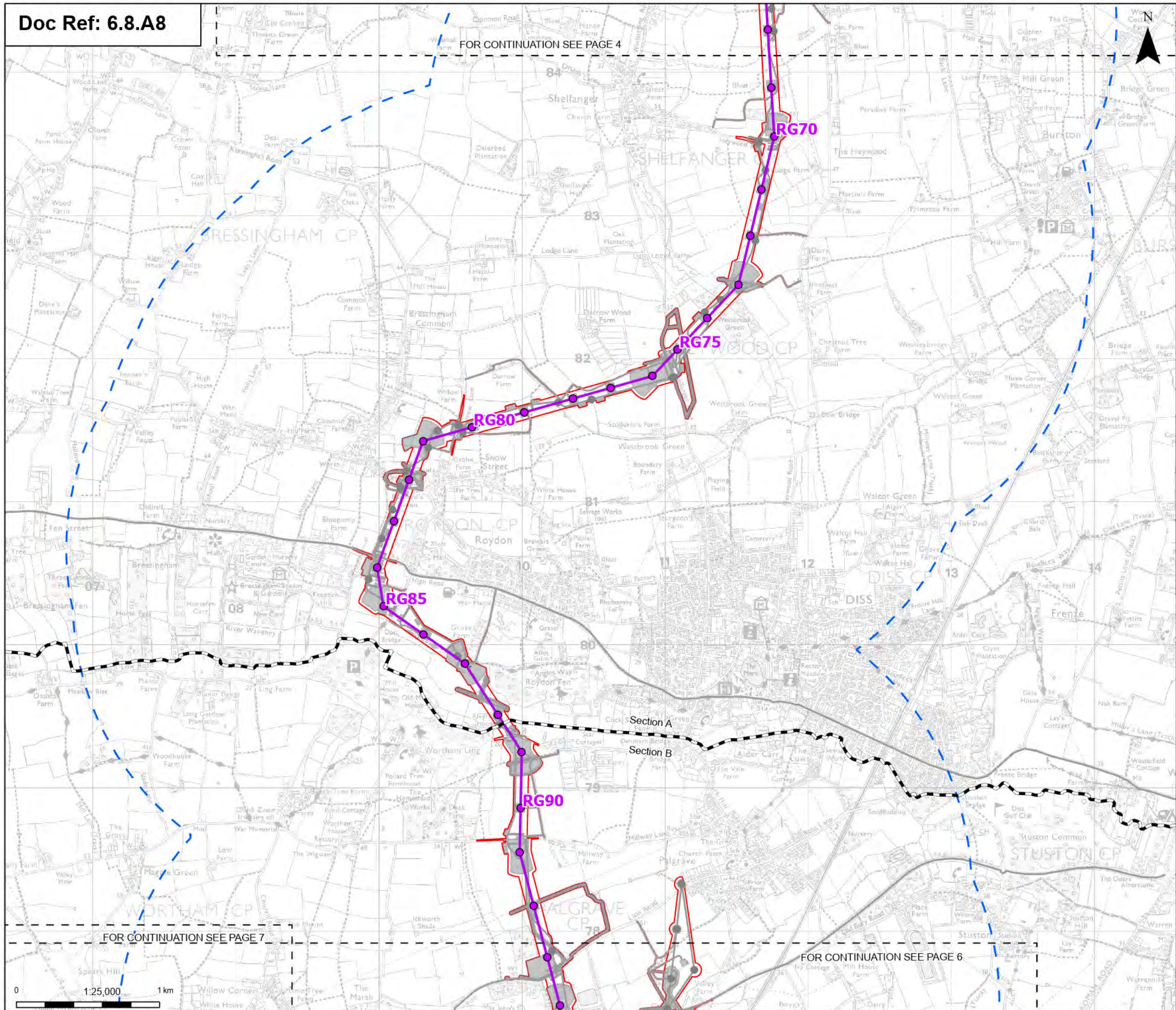
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**Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022
Page 4 of 31**

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: **10059280-ARC-EBD-ZZ-DR-ZZ-00319** Revision: **A**

FOR CONTINUATION SEE PAGE 4



Order limits

Sheet index outline

Project section line

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

Lapwing (L)

Little ringed plover (LP)

Ringed plover (RP)

Ruff (RU)

Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to
Tilbury

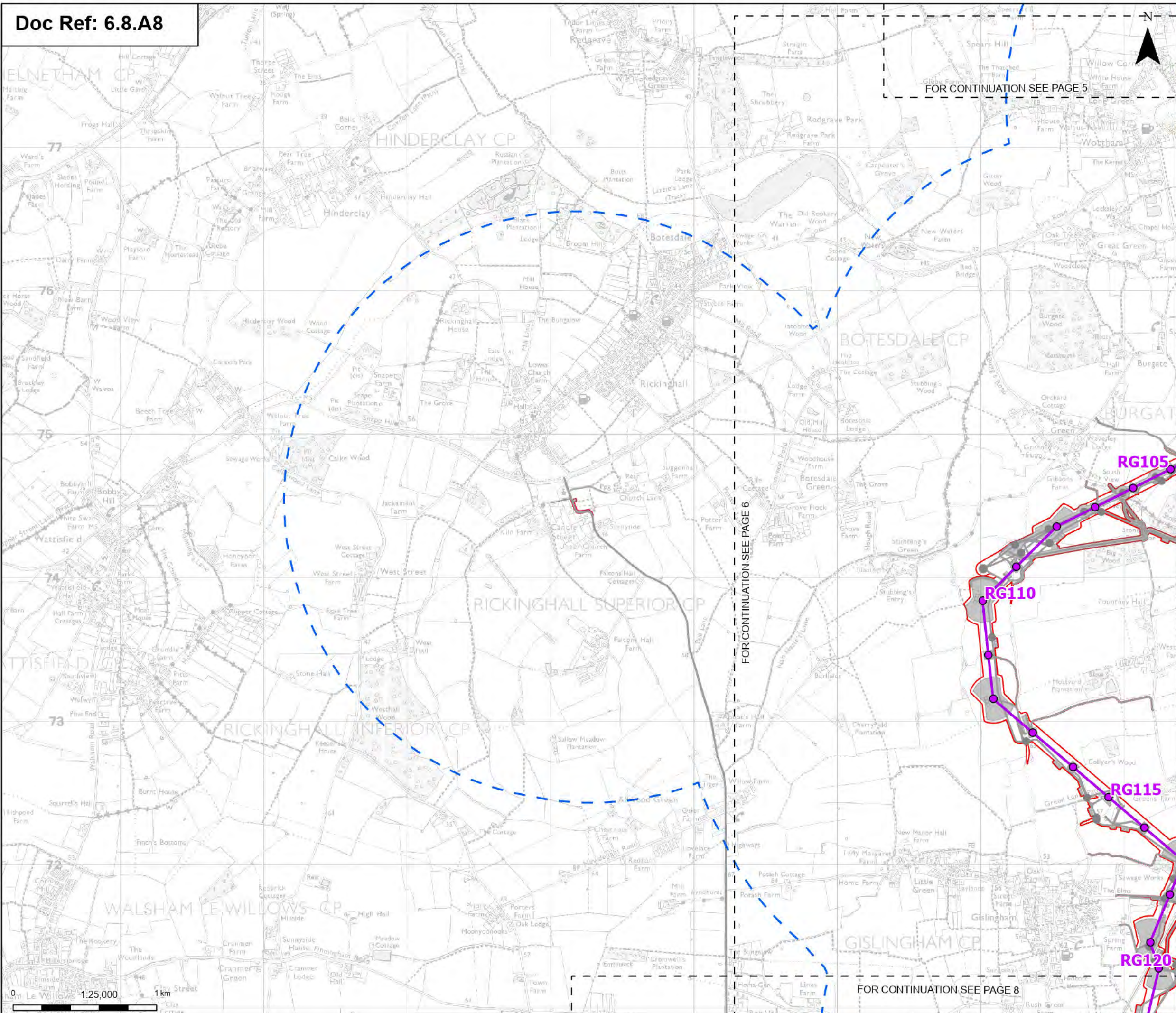
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022)
Page 5 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00319	Revision: A
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Order limits
Sheet index outline

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment
Other temporary and permanent construction and operational works
Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
- Bar-tailed godwit (BA)
- Black-tailed godwit (BW)
- Curlew (CU)
- Dunlin (DN)
- Golden plover (GP)
- Green sandpiper (GE)
- Greenshank (GK)
- Lapwing (L)
- Little ringed plover (LP)
- Ringed plover (RP)
- Ruff (RU)
- Whimbrel (WM)
- Wood sandpiper (OD)
- Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
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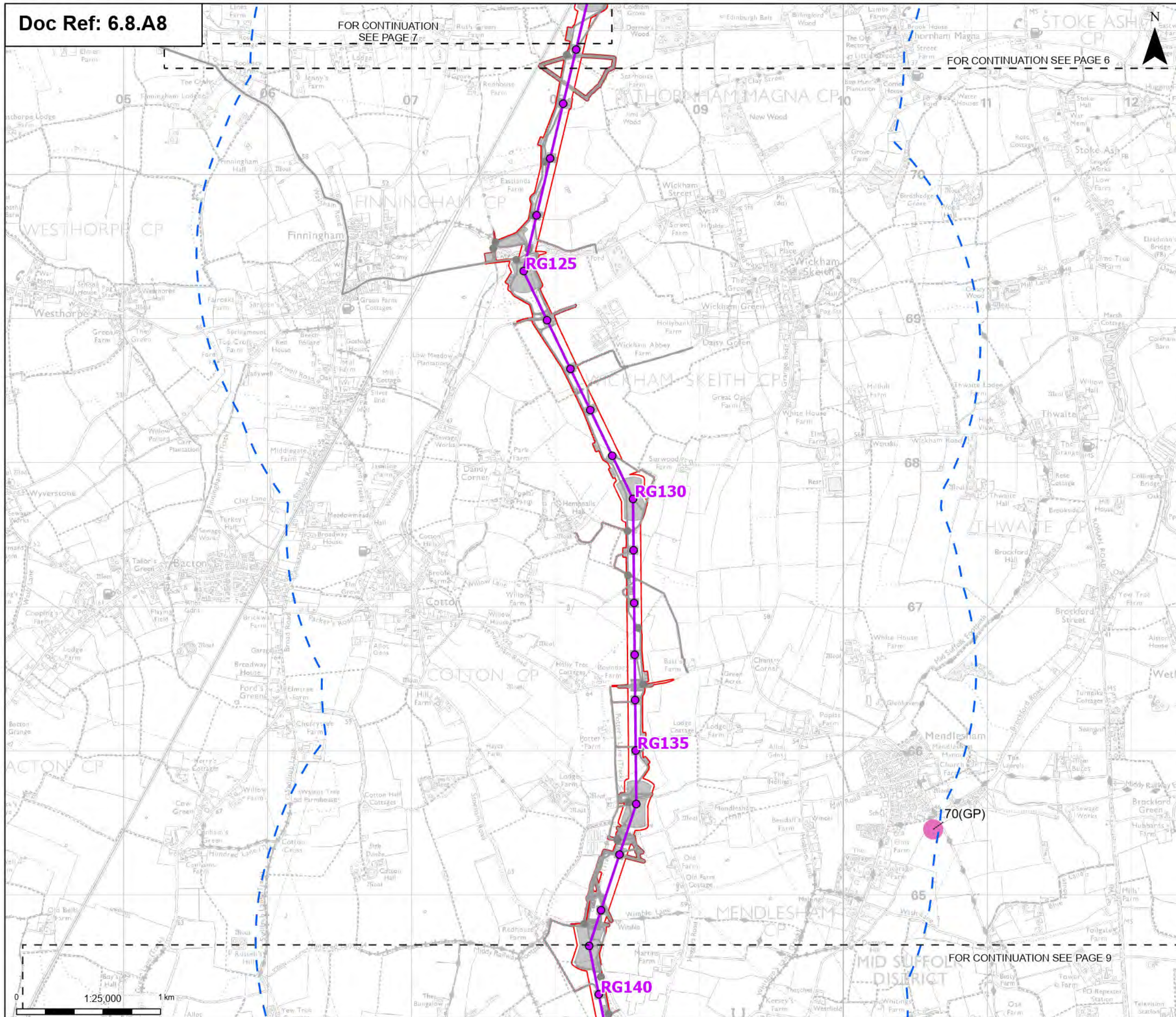
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00319	Revision: A
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FOR CONTINUATION
SEE PAGE 7

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 9



Order limits

Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
- Bar-tailed godwit (BA)
- Black-tailed godwit (BW)
- Curlew (CU)
- Dunlin (DN)
- Golden plover (GP)
- Green sandpiper (GE)
- Greenshank (GK)
- Lapwing (L)
- Little ringed plover (LP)
- Ringed plover (RP)
- Ruff (RU)
- Whimbrel (WM)
- Wood sandpiper (OD)
- Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Norwich to
Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

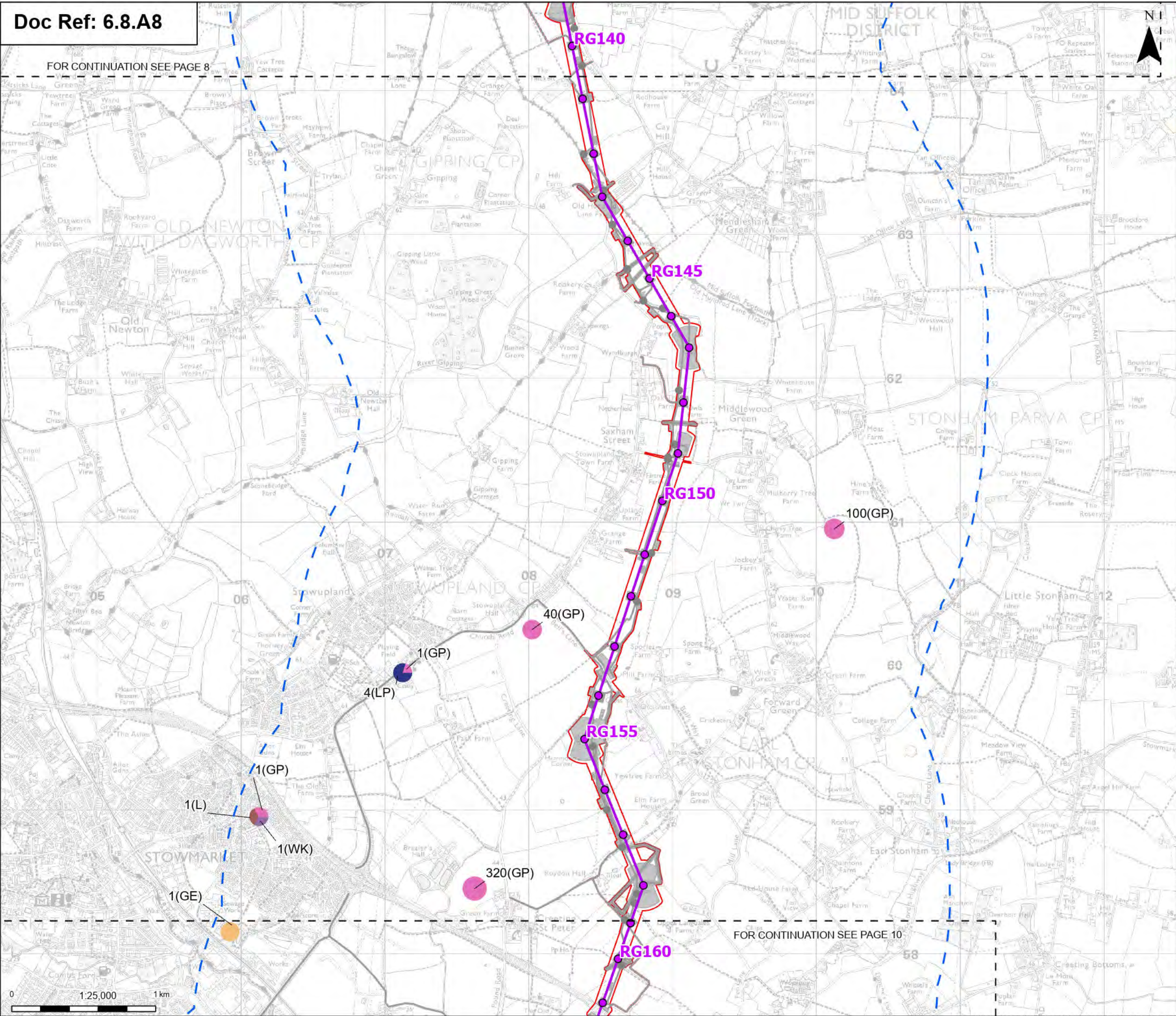
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Collision Risk Target Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	QS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:	Accepted as Concept Stage
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00319	Revision: A
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Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

Lapwing (L)

Little ringed plover (LP)

Ringed plover (RP)

Ruff (RU)

Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

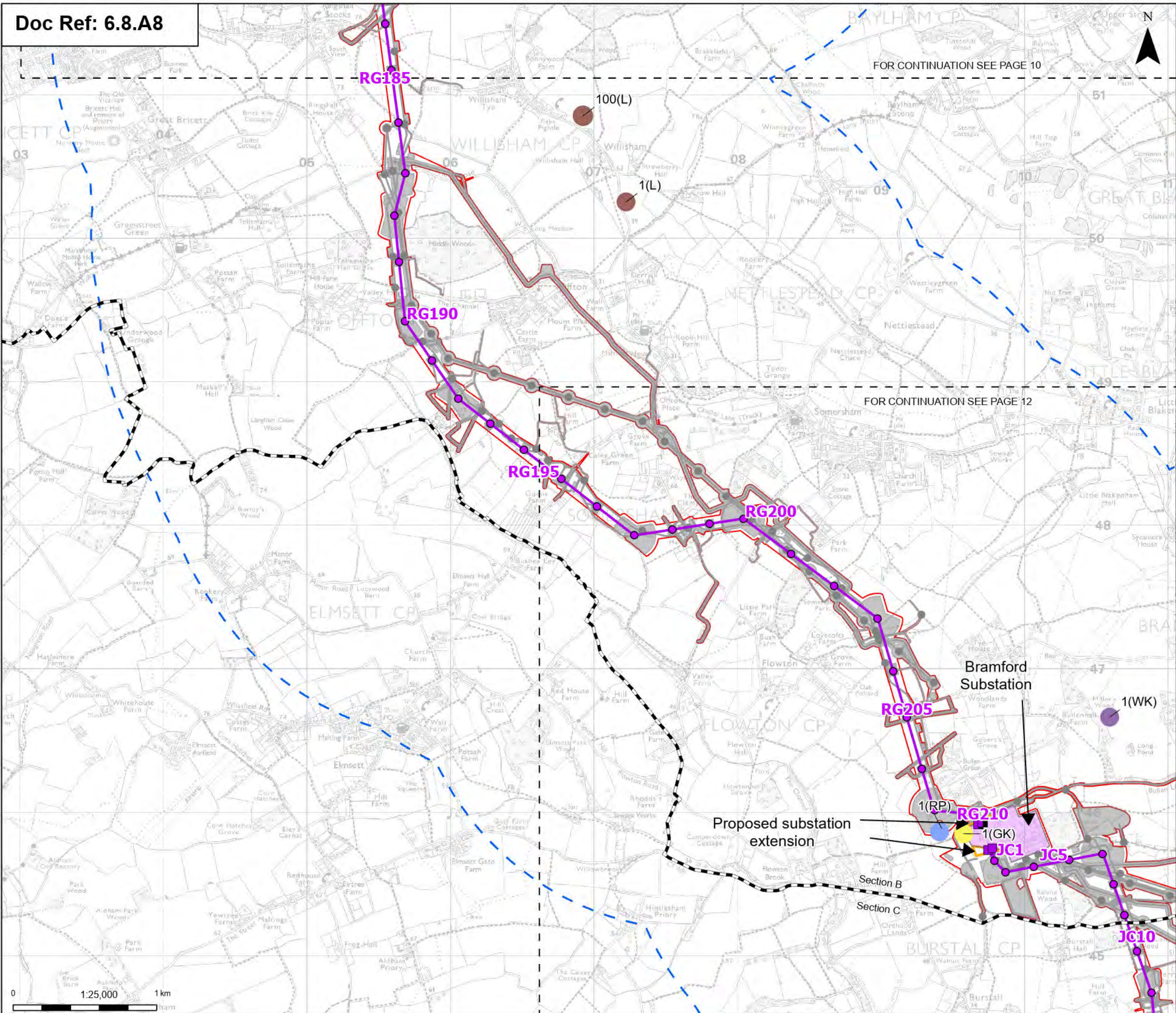
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Figure A8.8.6 - Ecology and Biodiversity Collision Risk Target Species Waders (Desk Study Data 2013-2022)
Page 9 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00319	Revision:	A
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Order limits
Sheet index outline
Project section line

Proposed project design details
Proposed full line tension gantry
Proposed low duty gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Bramford Substation
Bramford Substation Extension
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Species	Abundance
Avocet (AV)	1
Bar-tailed godwit (BA)	1
Black-tailed godwit (BW)	1
Curlew (CU)	1
Dunlin (DN)	1
Golden plover (GP)	1
Green sandpiper (GE)	1
Greenshank (GK)	1
Lapwing (L)	1
Little ringed plover (LP)	1
Ringed plover (RP)	1
Ruff (RU)	1
Whimbrel (WM)	1
Wood sandpiper (OD)	1
Woodcock (WK)	1

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Revision History				
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Rev	Date	Description	Drawn	Check

PROJECT: **Norwich to Tilbury**

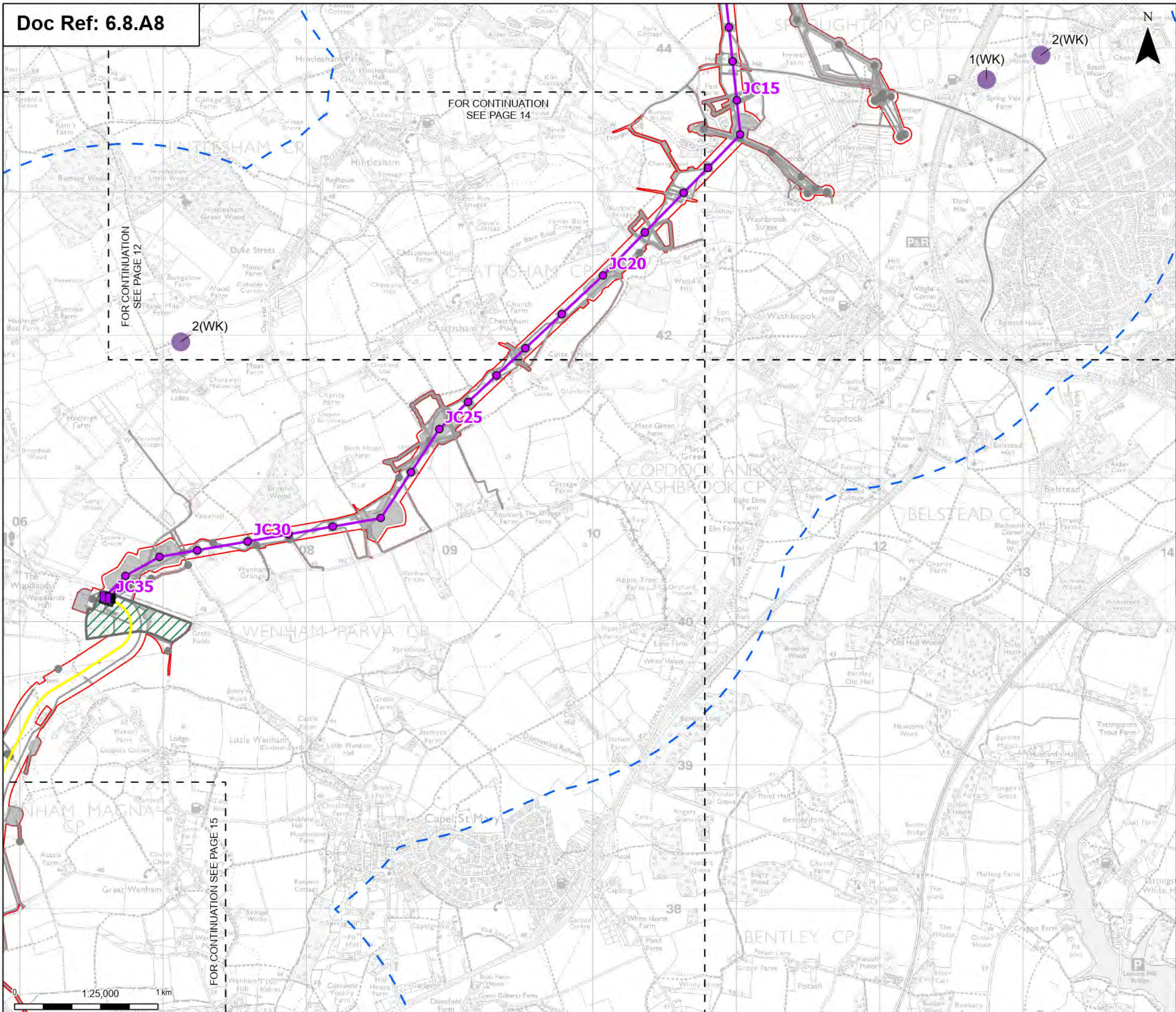
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title: **Figure A8.8.6 - Ecology and Biodiversity Collision Risk Target Species Waders (Desk Study Data 2013-2022)**
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00319
Revision: A



Order limits
Sheet index outline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
- Bar-tailed godwit (BA)
- Black-tailed godwit (BW)
- Curlew (CU)
- Dunlin (DN)
- Golden plover (GP)
- Green sandpiper (GE)
- Greenshank (GK)
- Lapwing (L)
- Little ringed plover (LP)
- Ringed plover (RP)
- Ruff (RU)
- Whimbrel (WM)
- Wood sandpiper (OD)
- Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

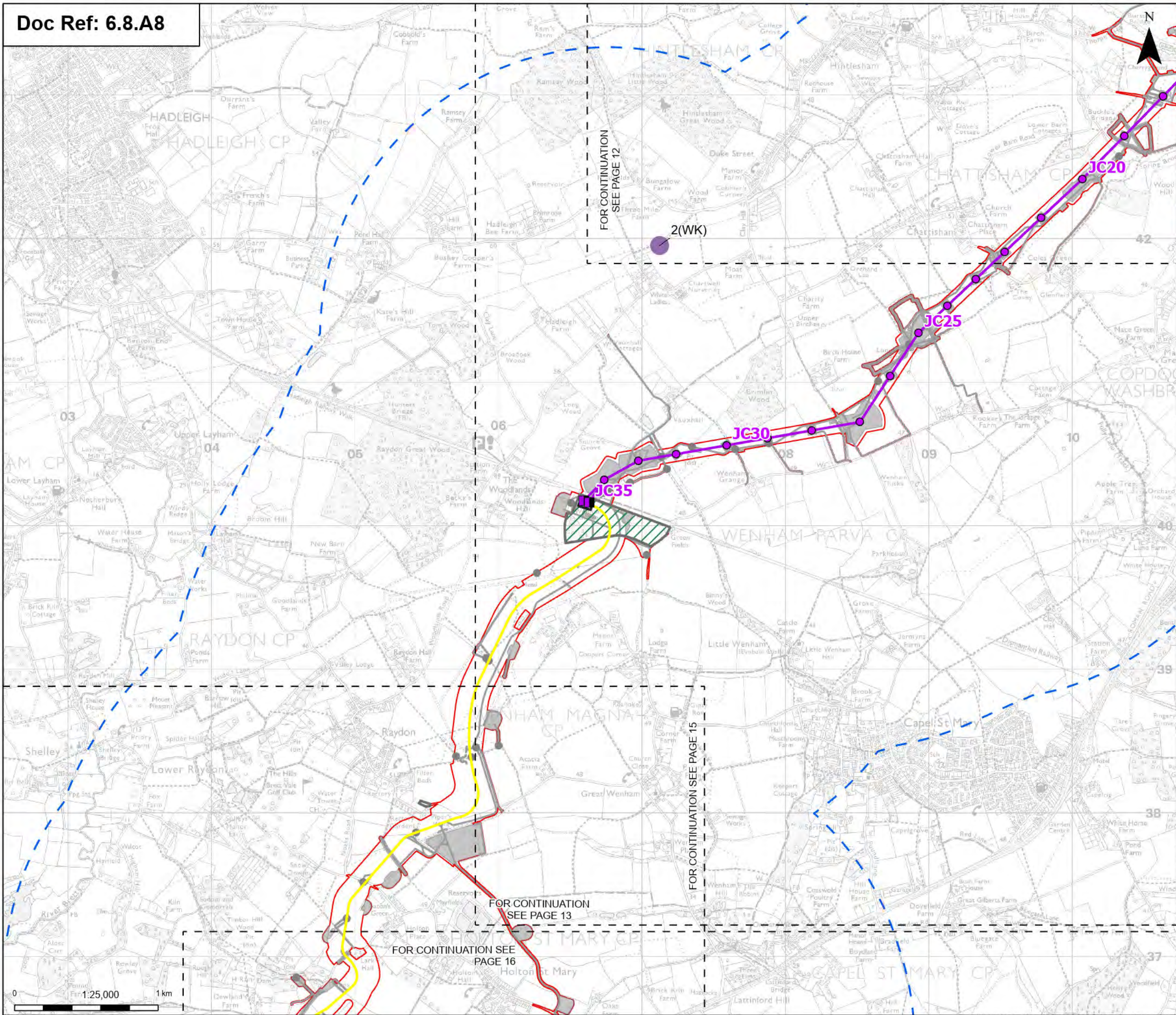
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Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022)
Page 13 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00319

Revision:
A



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Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
- Bar-tailed godwit (BA)
- Black-tailed godwit (BW)
- Curlew (CU)
- Dunlin (DN)
- Golden plover (GP)
- Green sandpiper (GE)
- Greenshank (GK)
- Lapwing (L)
- Little ringed plover (LP)
- Ringed plover (RP)
- Ruff (RU)
- Whimbrel (WM)
- Wood sandpiper (OD)
- Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approv
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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

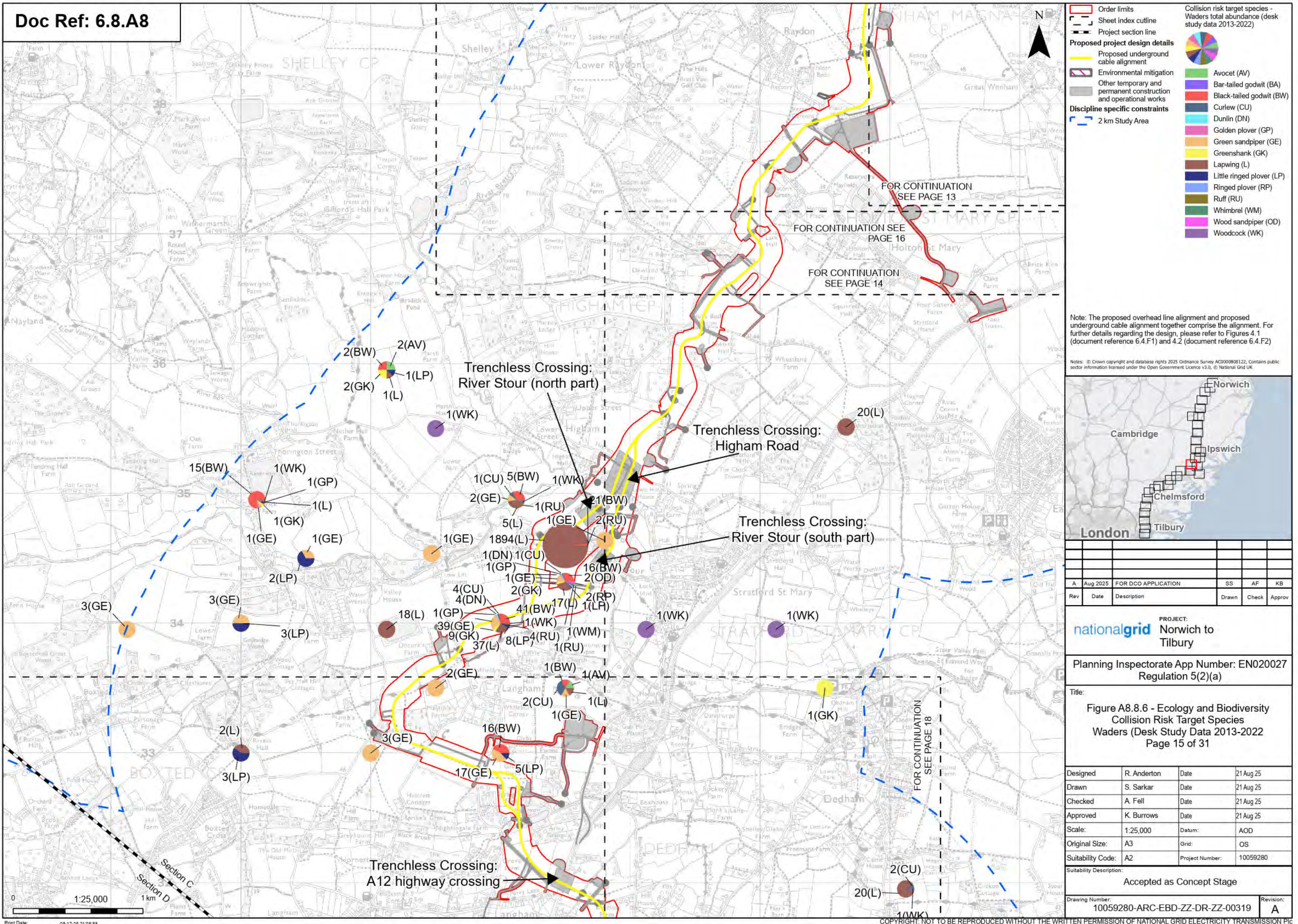
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Collision Risk Target Species
Waders (Desk Study Data 2013-2022
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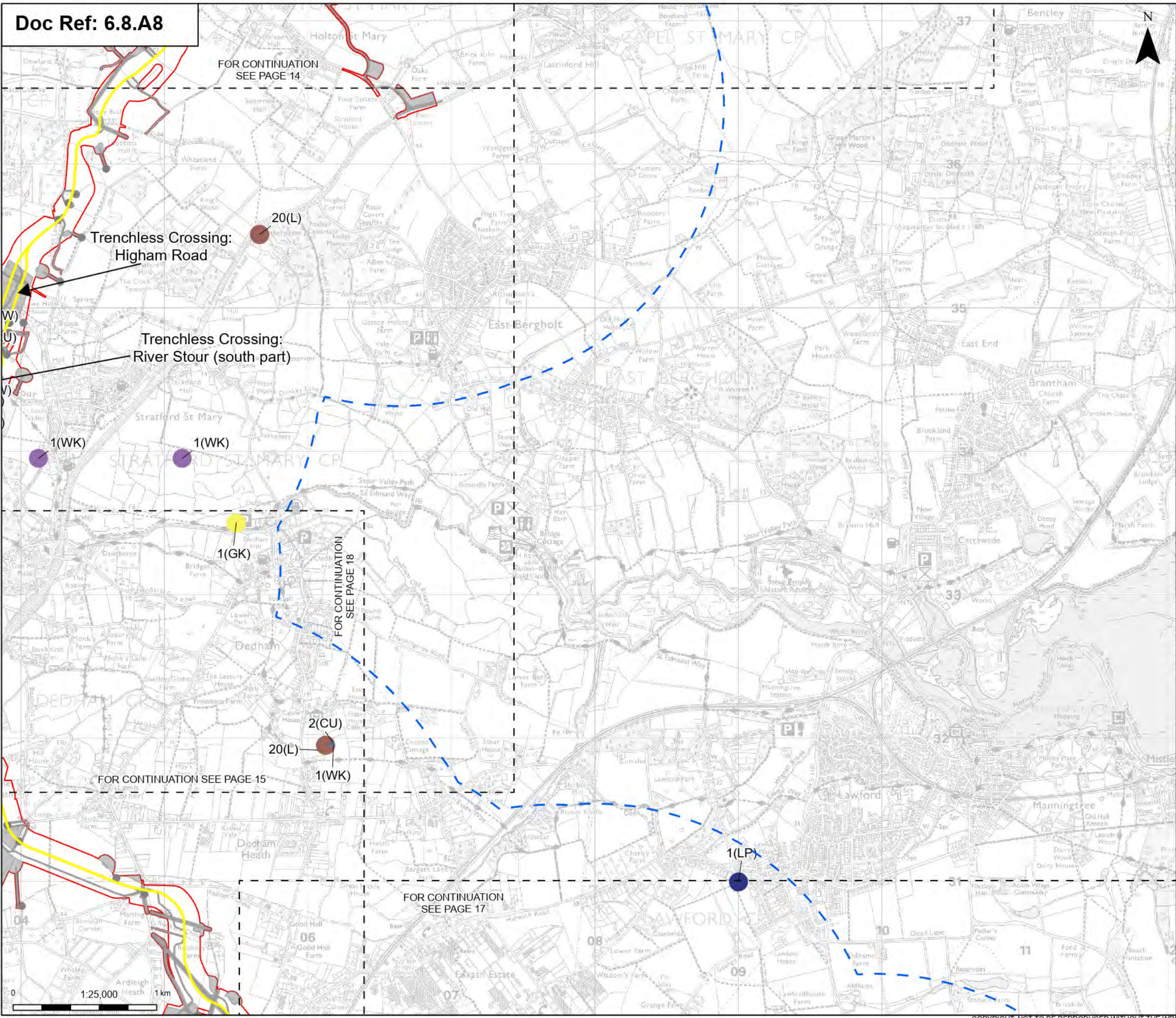
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00319

Revision:
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Proposed project design details

Proposed standard lattice pylon location

Proposed underground cable alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT:
Norwich to
Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
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Collision Risk Target Species
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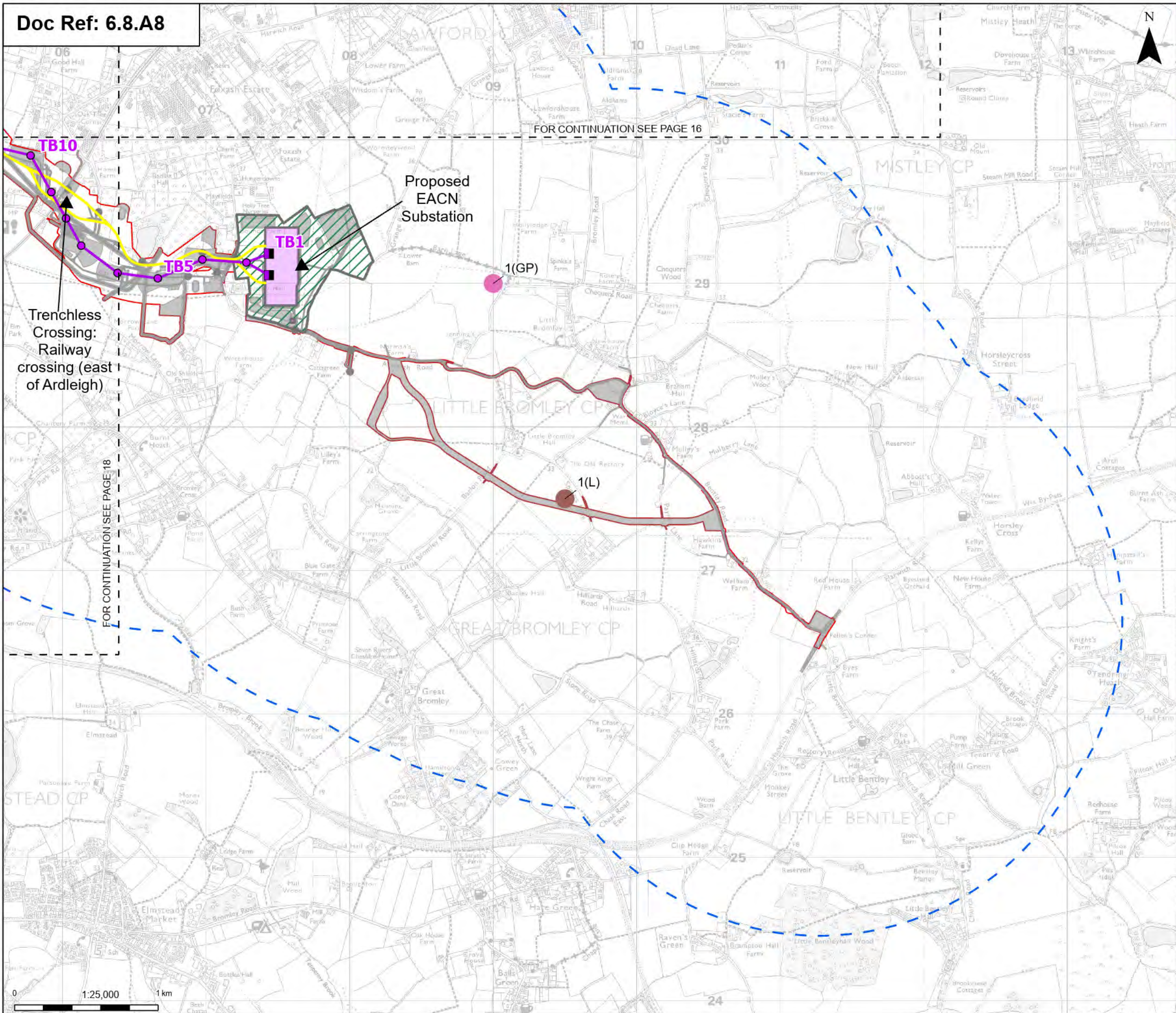
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Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

Drawing Number:
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Revision:
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Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

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Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

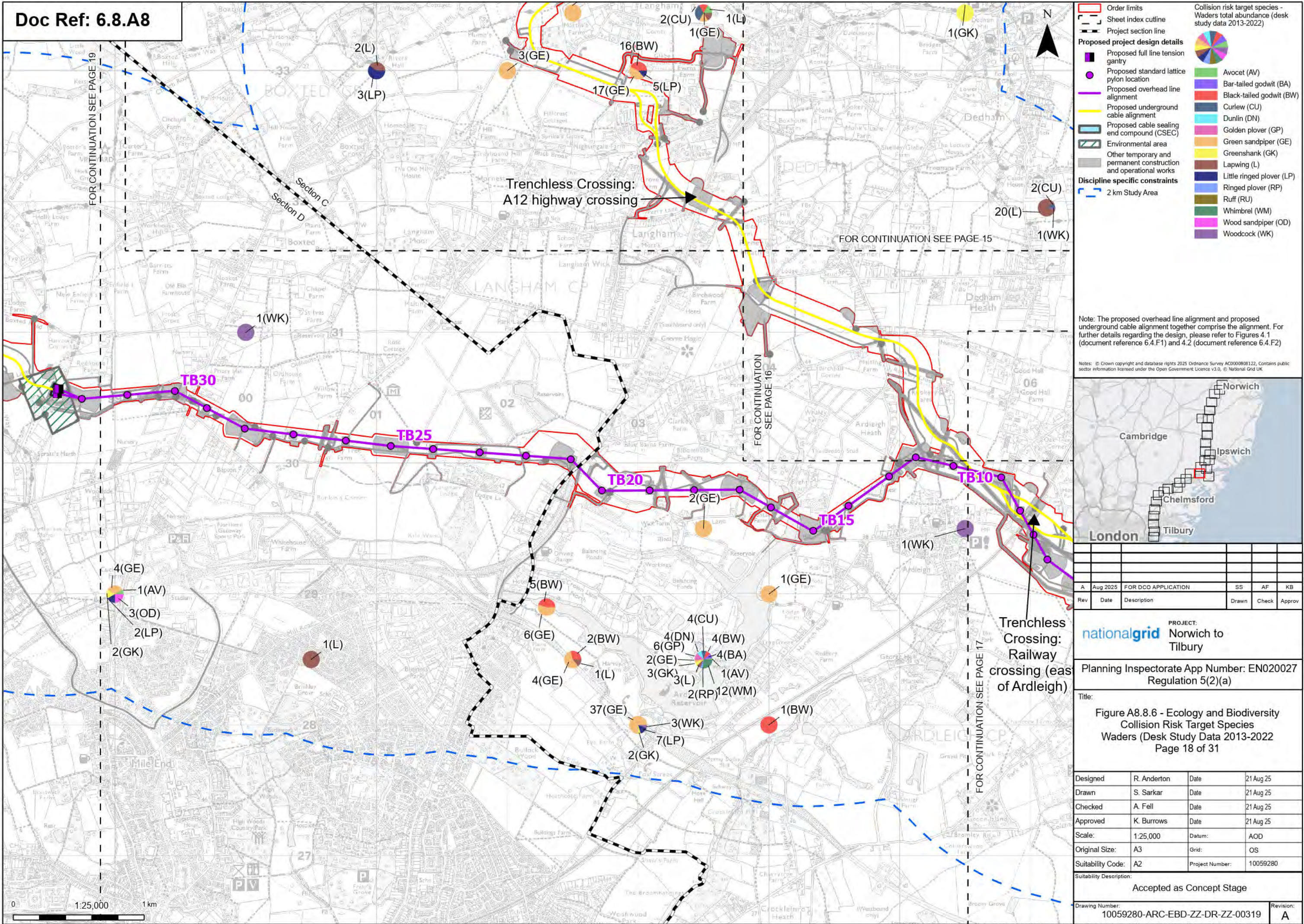
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Collision Risk Target Species
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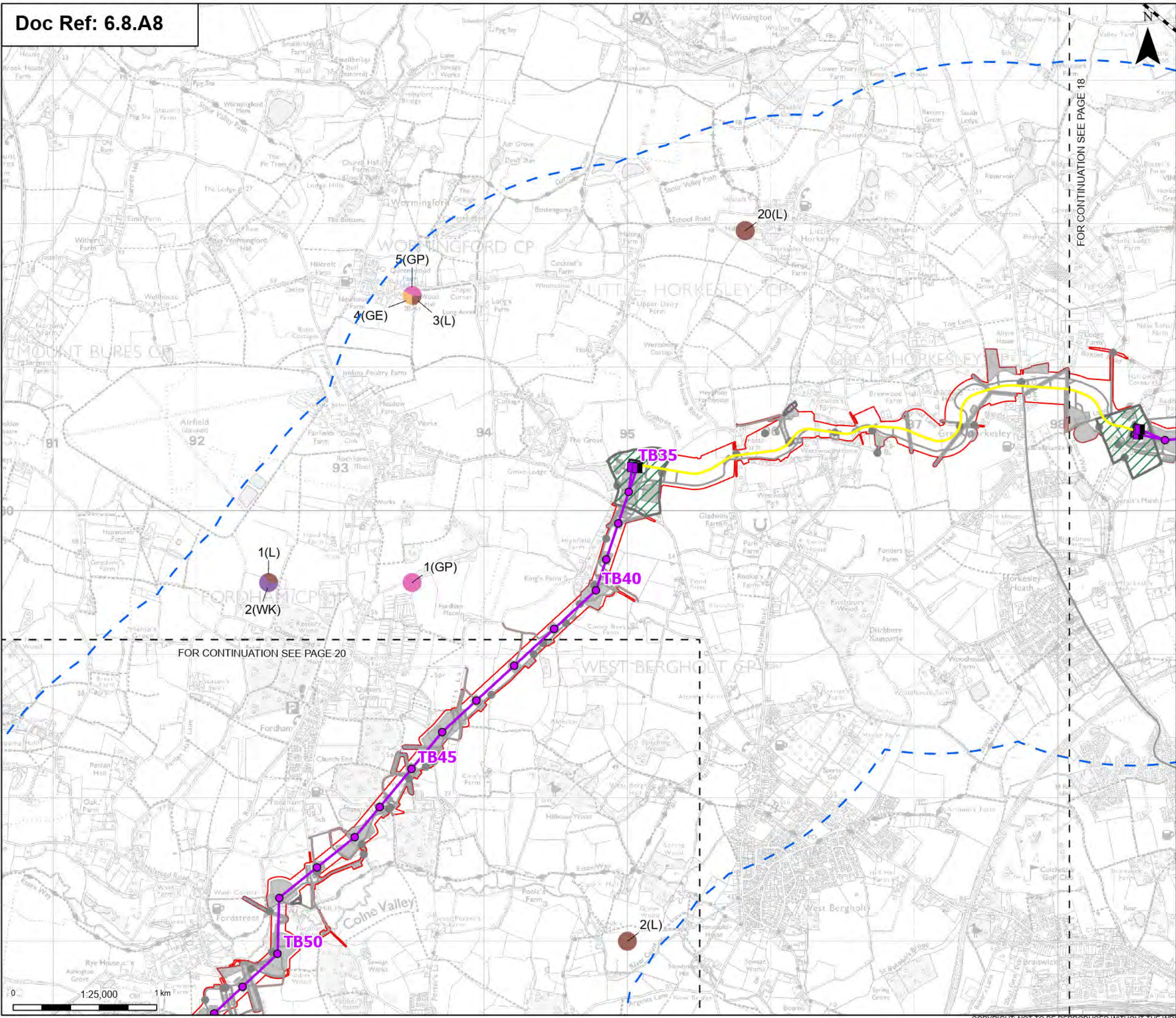
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Suitability Description:
Accepted as Concept Stage

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Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

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nationalgrid

PROJECT:
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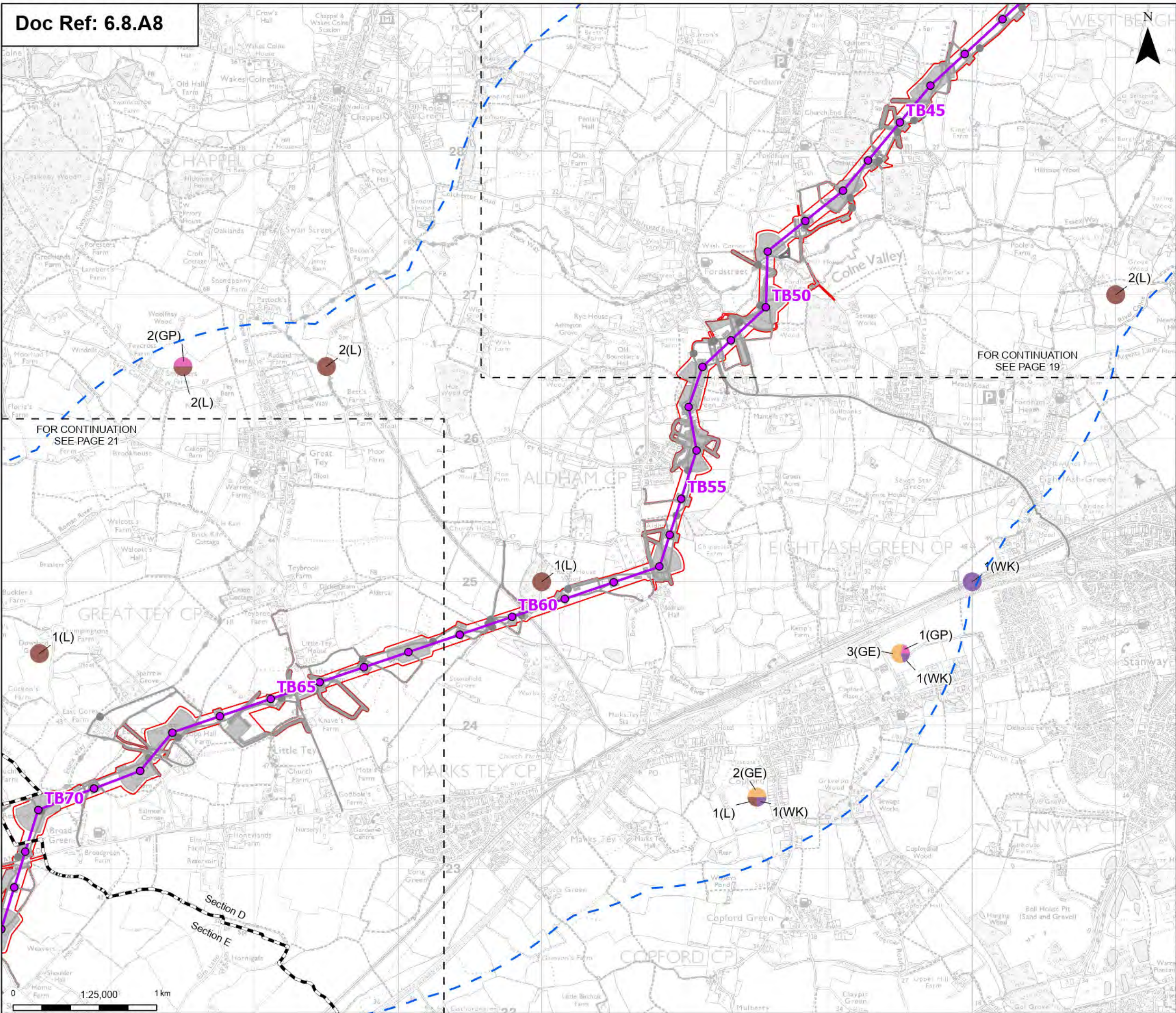
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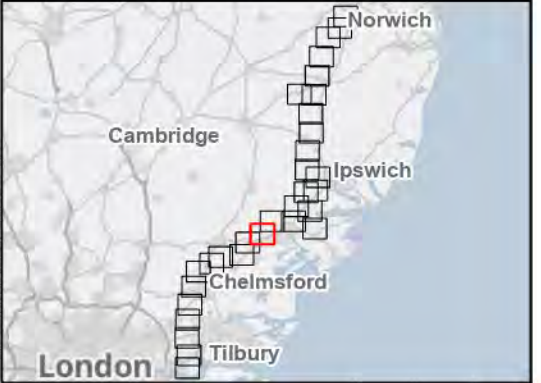
Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
- Bar-tailed godwit (BA)
- Black-tailed godwit (BW)
- Curlew (CU)
- Dunlin (DN)
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PROJECT: **Norwich to Tilbury**

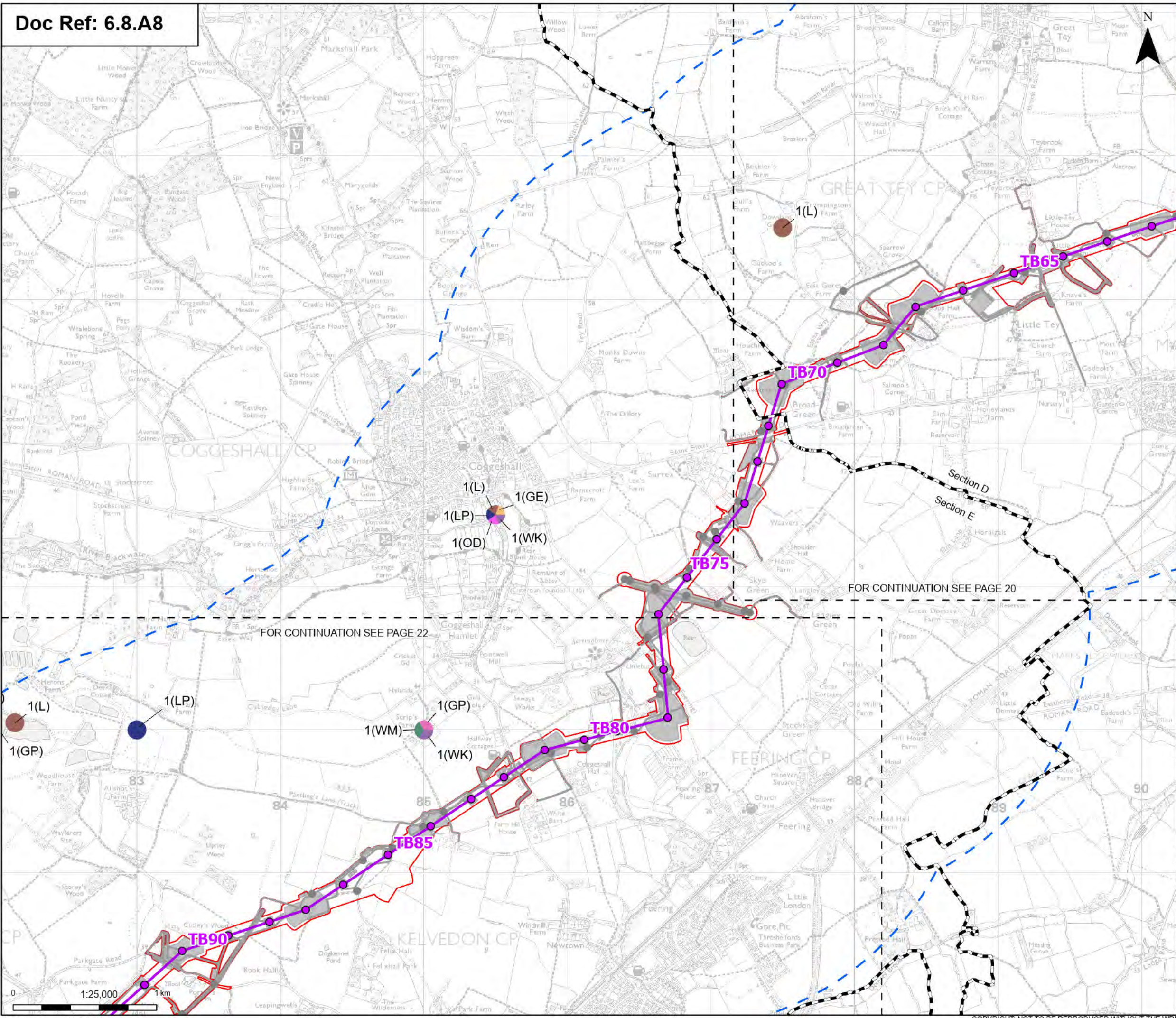
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Regulation 5(2)(a)

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Suitability Code:	A2	Project Number:	10059280

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Environmental mitigation
Other temporary and permanent construction and operational works

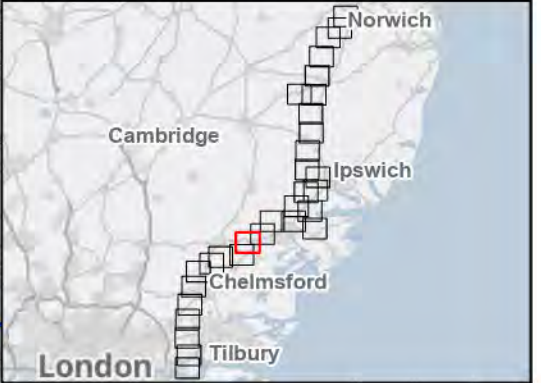
Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
- Bar-tailed godwit (BA)
- Black-tailed godwit (BW)
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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

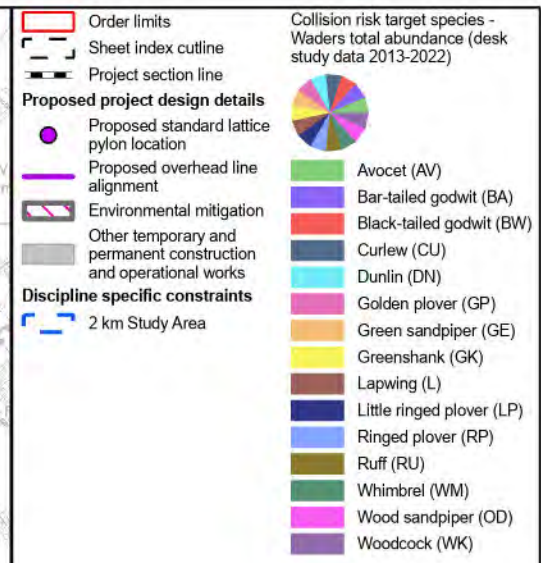
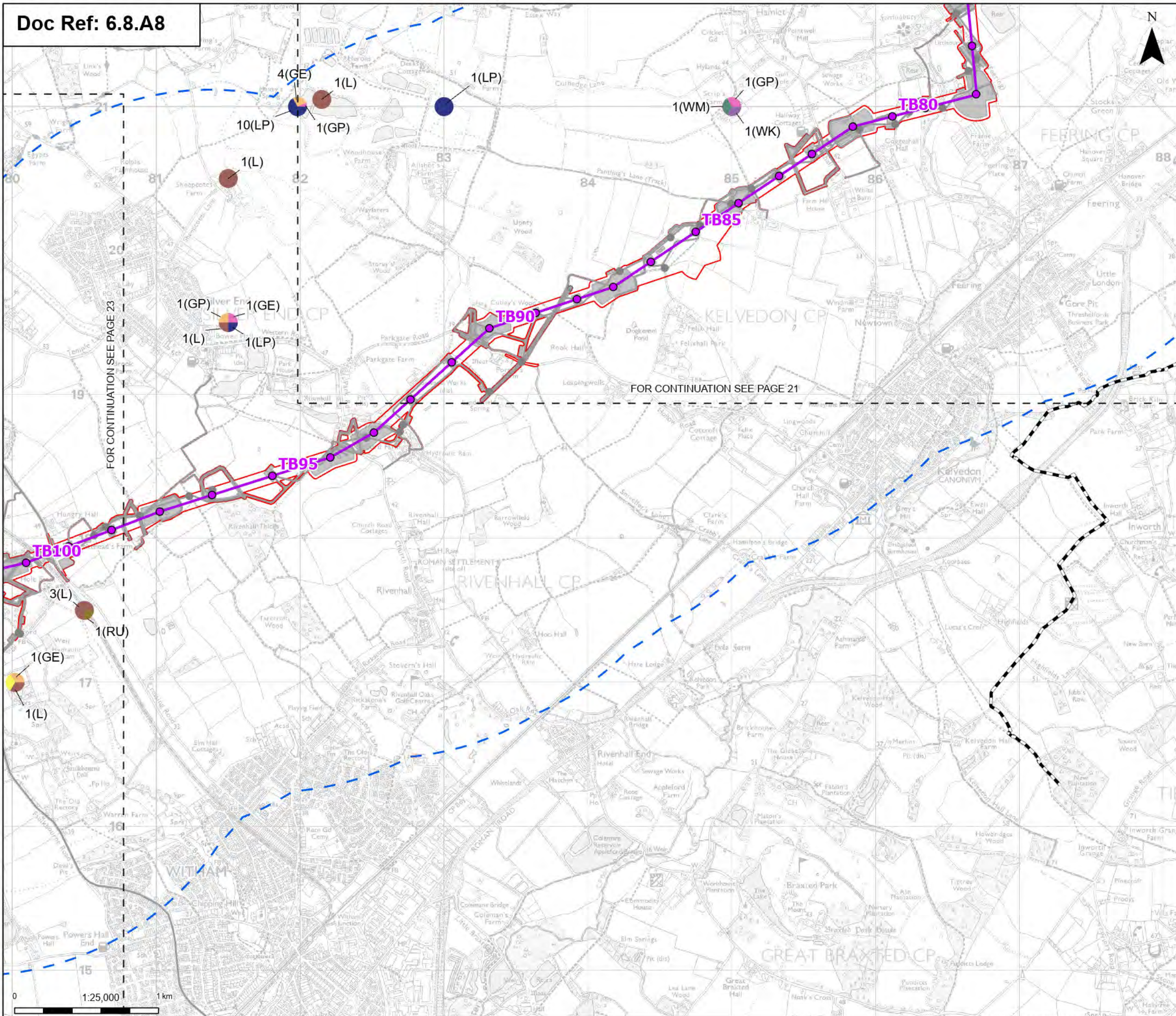
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**Figure A8.8.6 - Ecology and Biodiversity
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Waders (Desk Study Data 2013-2022
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00319

Revision:
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Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check

PROJECT: **Norwich to Tilbury**

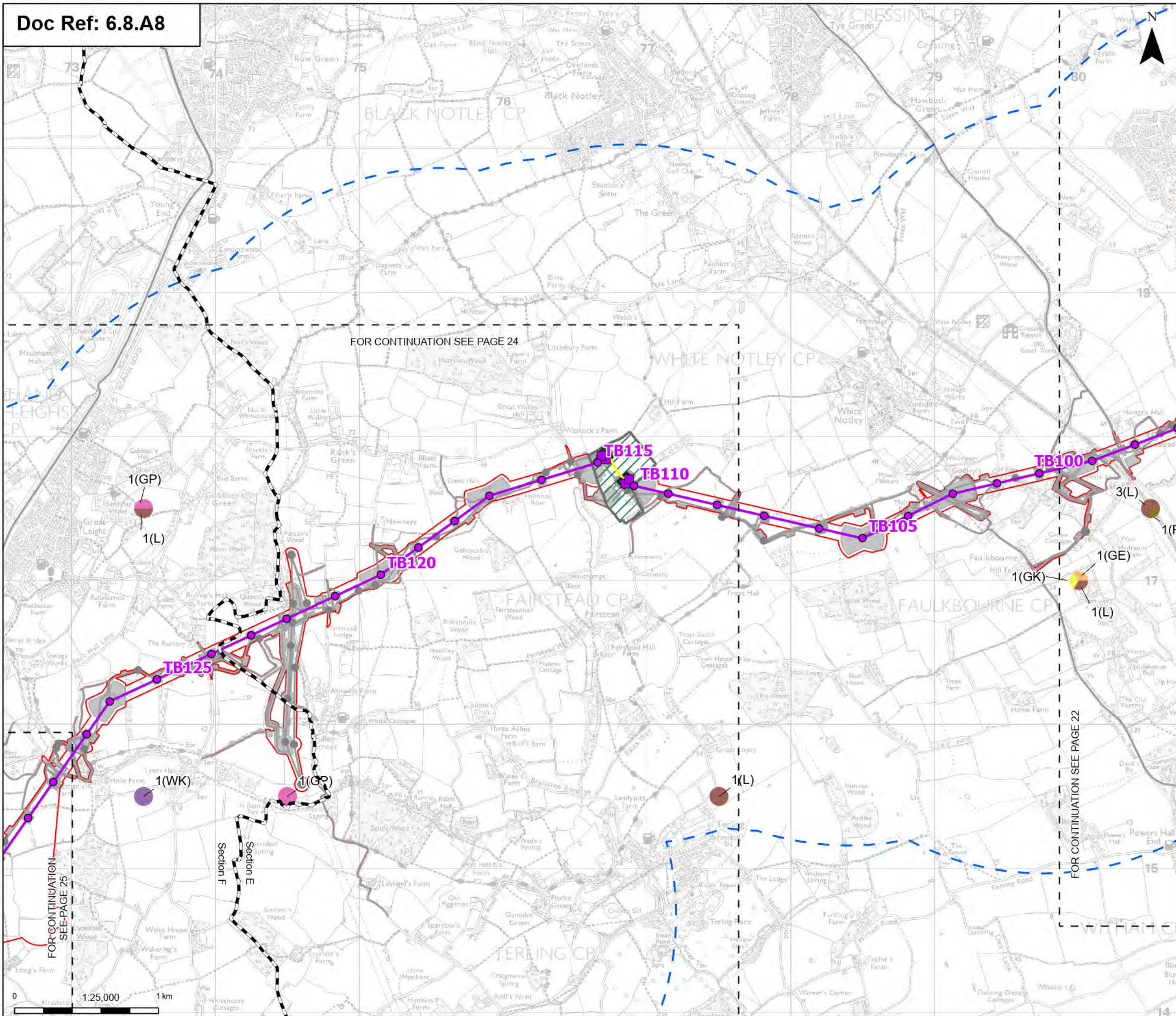
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Regulation 5(2)(a)

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**Figure A8.8.6 - Ecology and Biodiversity
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Waders (Desk Study Data 2013-2022
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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Suitability Description:
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- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
- Bar-tailed godwit (BA)
- Black-tailed godwit (BW)
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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

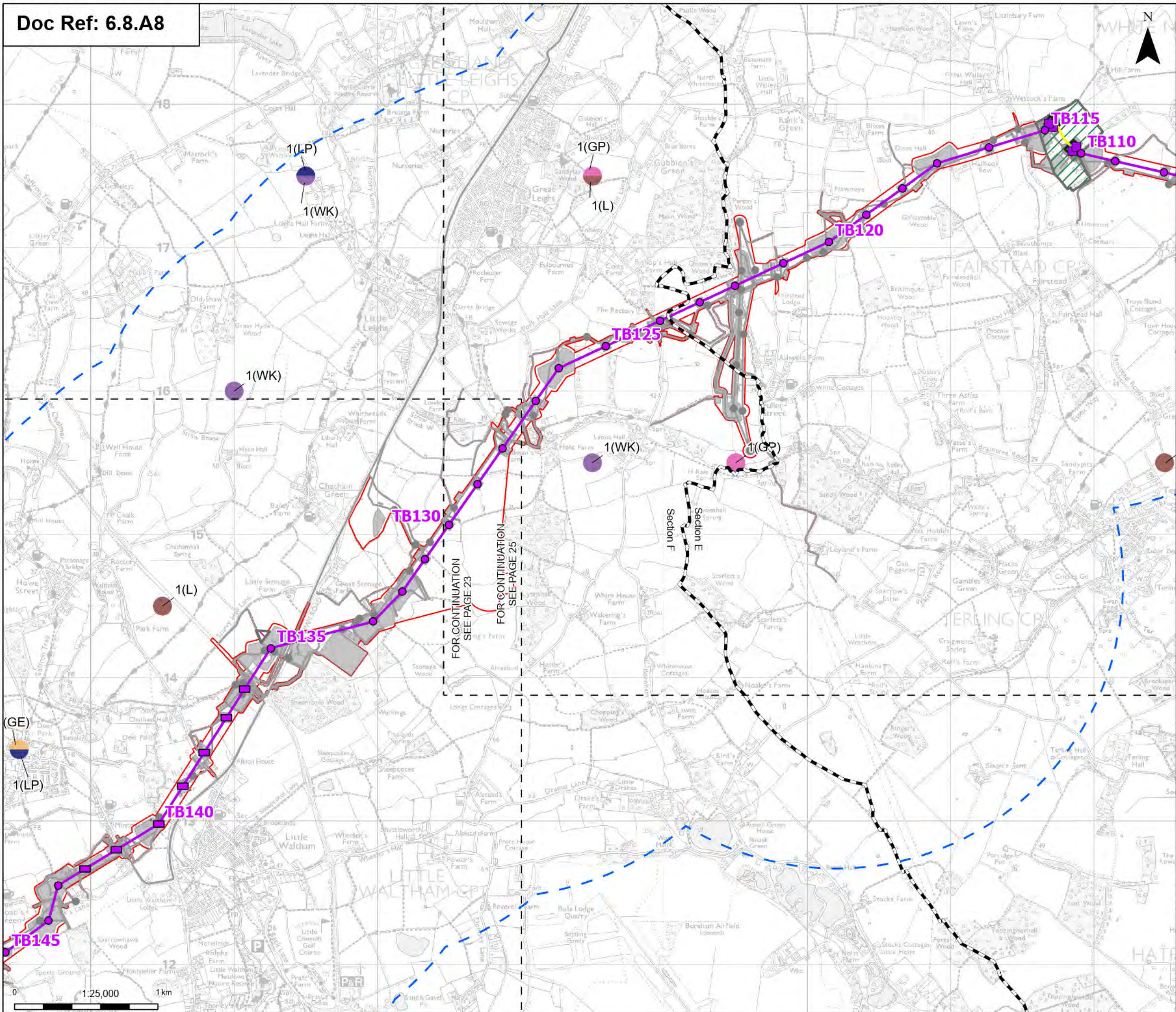
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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Proposed standard lattice pylon location

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Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

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Golden plover (GP)

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Ruff (RU)

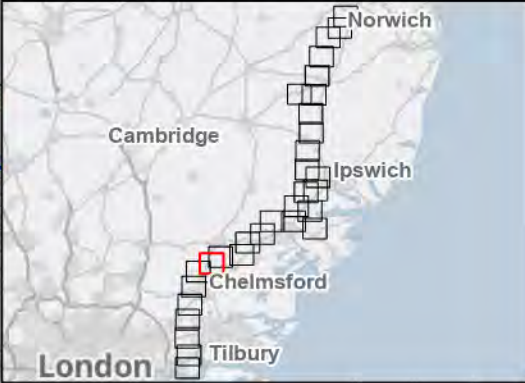
Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

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PROJECT: **Norwich to Tilbury**

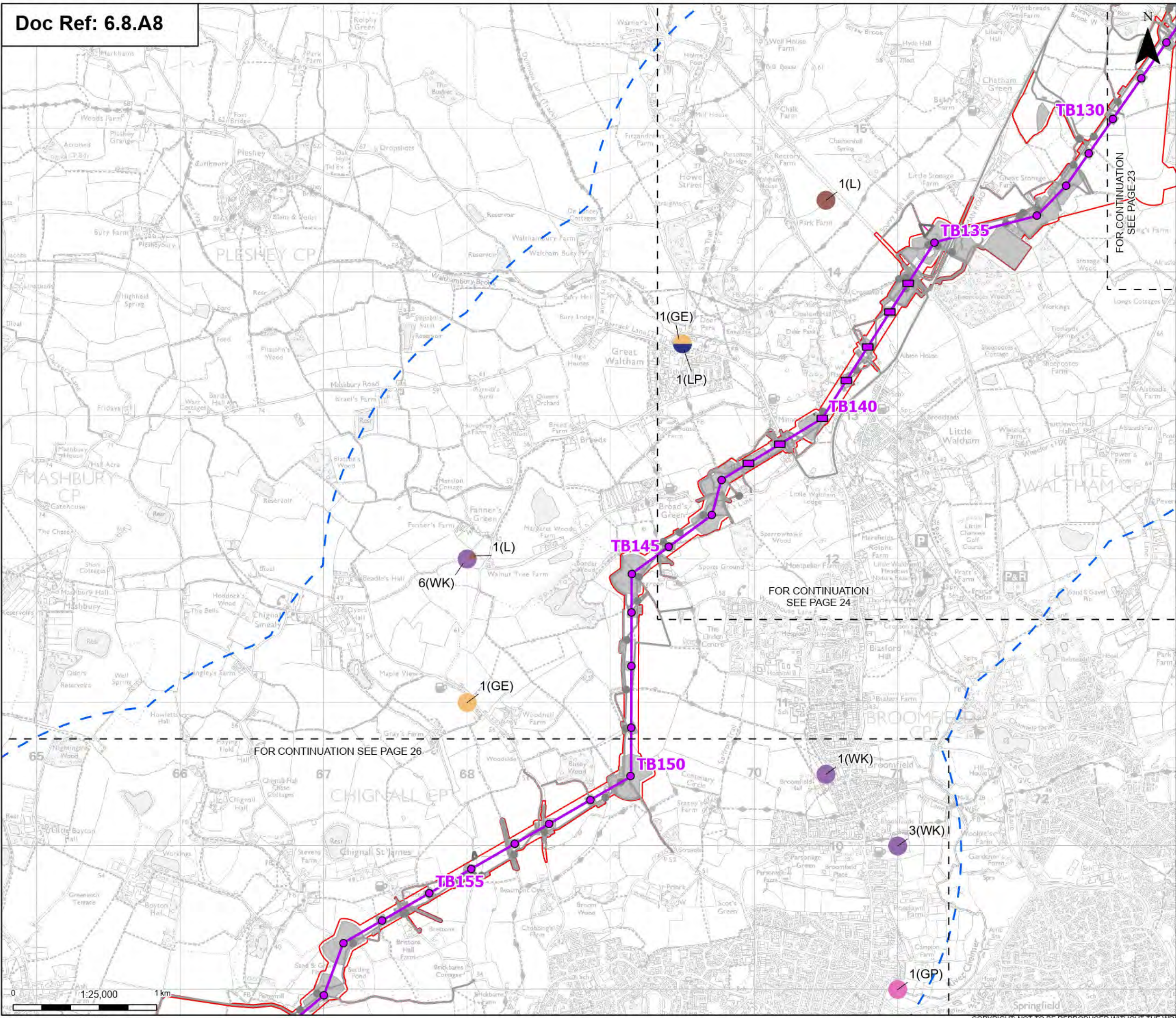
Planning Inspectorate App Number: EN020027
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**Figure A8.8.6 - Ecology and Biodiversity
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

- Avocet (AV)
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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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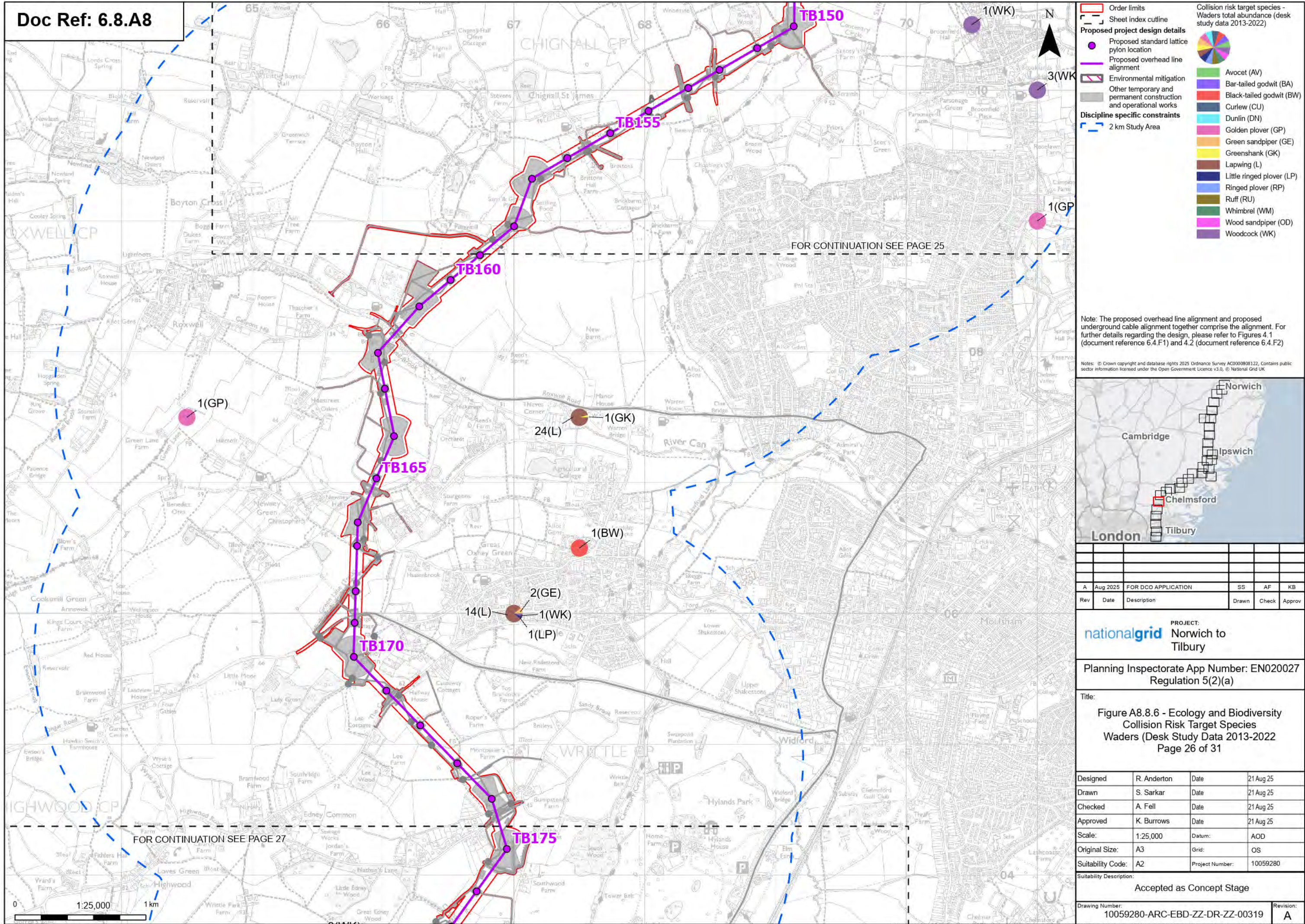
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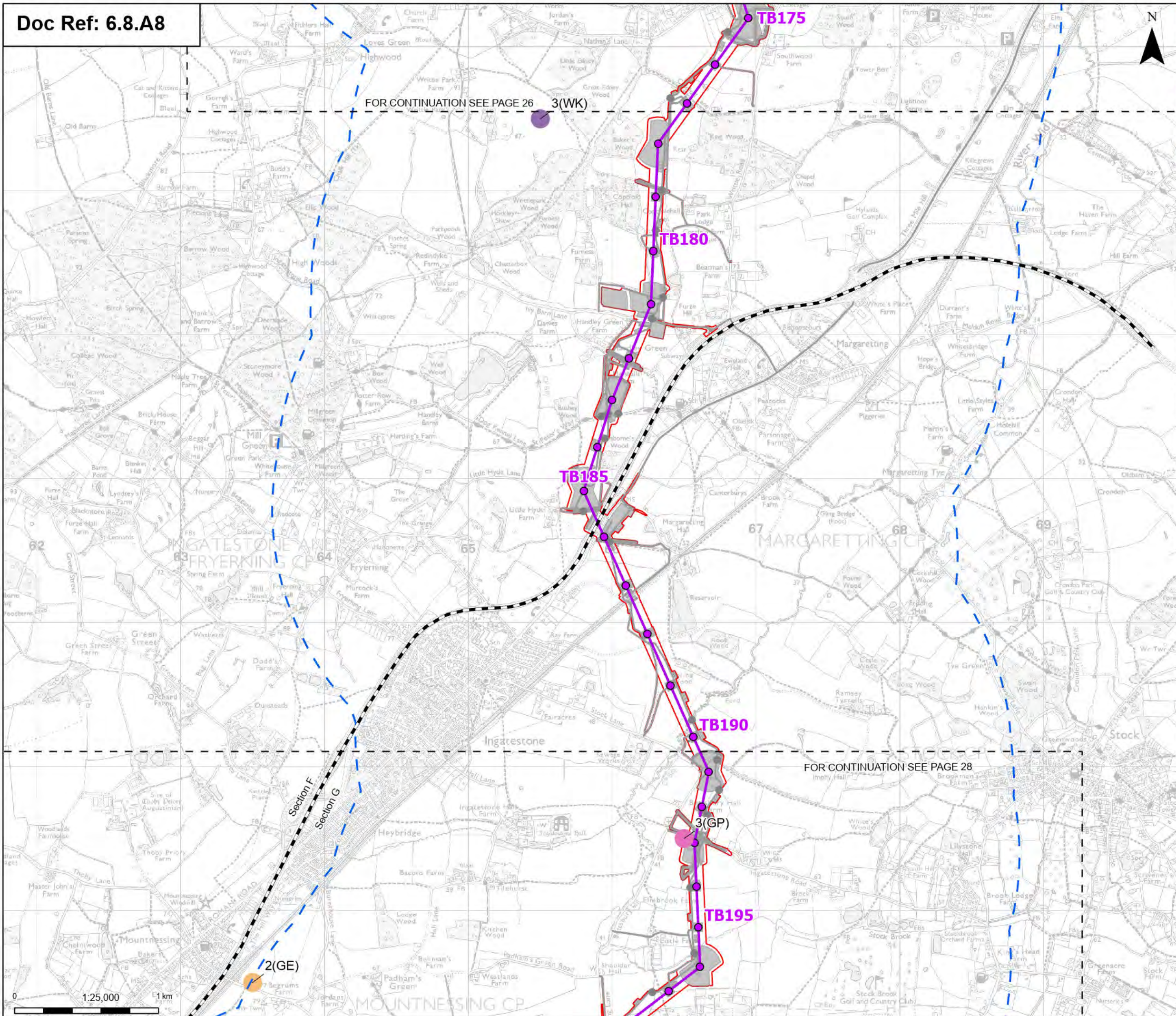
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Discipline specific constraints

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Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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nationalgrid

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Planning Inspectorate App Number: EN020027
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Title:

Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
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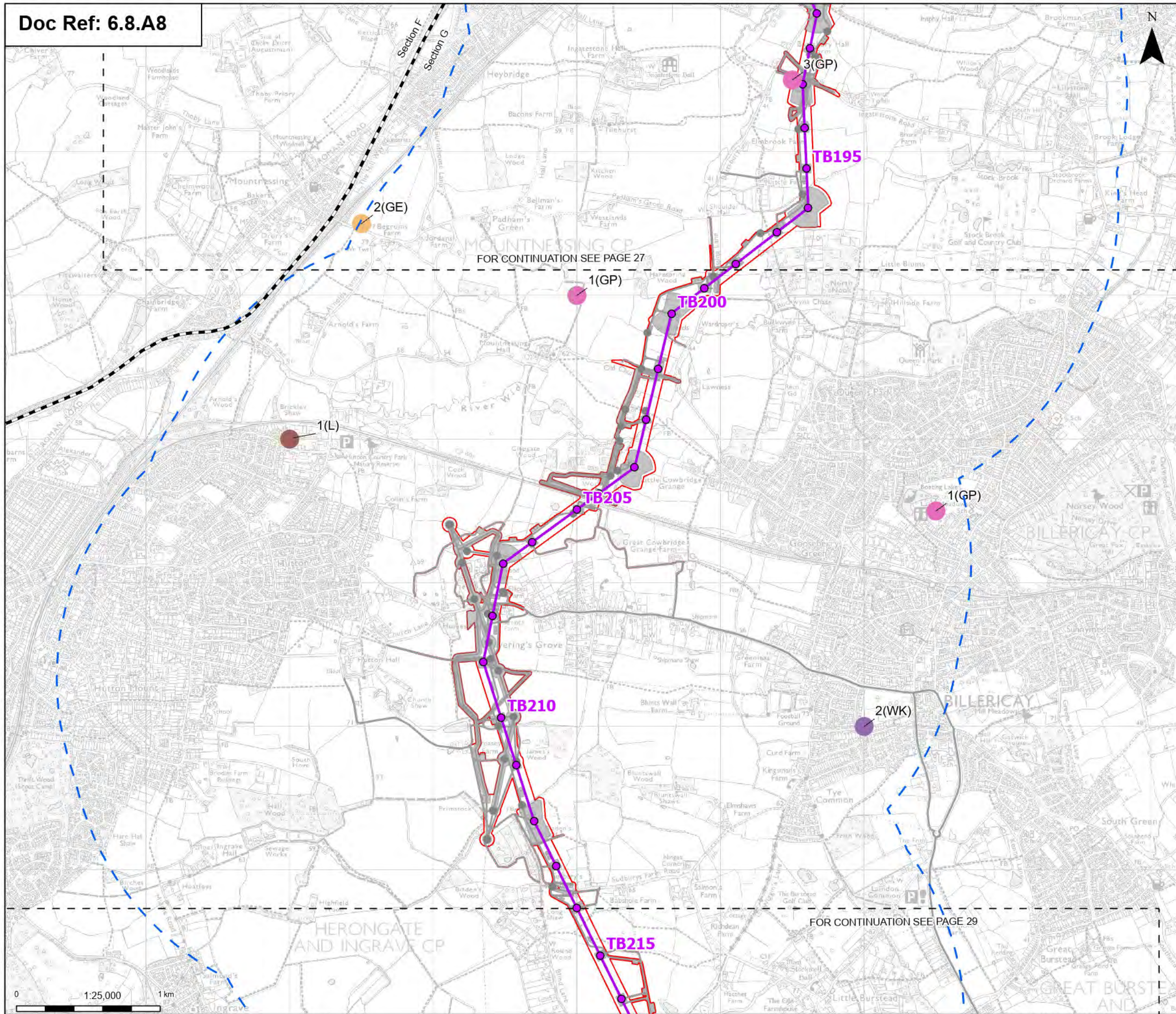
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Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Species	Abundance
Avocet (AV)	1
Bar-tailed godwit (BA)	1
Black-tailed godwit (BW)	1
Curlew (CU)	1
Dunlin (DN)	1
Golden plover (GP)	1
Green sandpiper (GE)	1
Greenshank (GK)	1
Lapwing (L)	1
Little ringed plover (LP)	1
Ringed plover (RP)	1
Ruff (RU)	1
Whimbrel (WM)	1
Wood sandpiper (OD)	1
Woodcock (WK)	1

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
**Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022
Page 28 of 31**

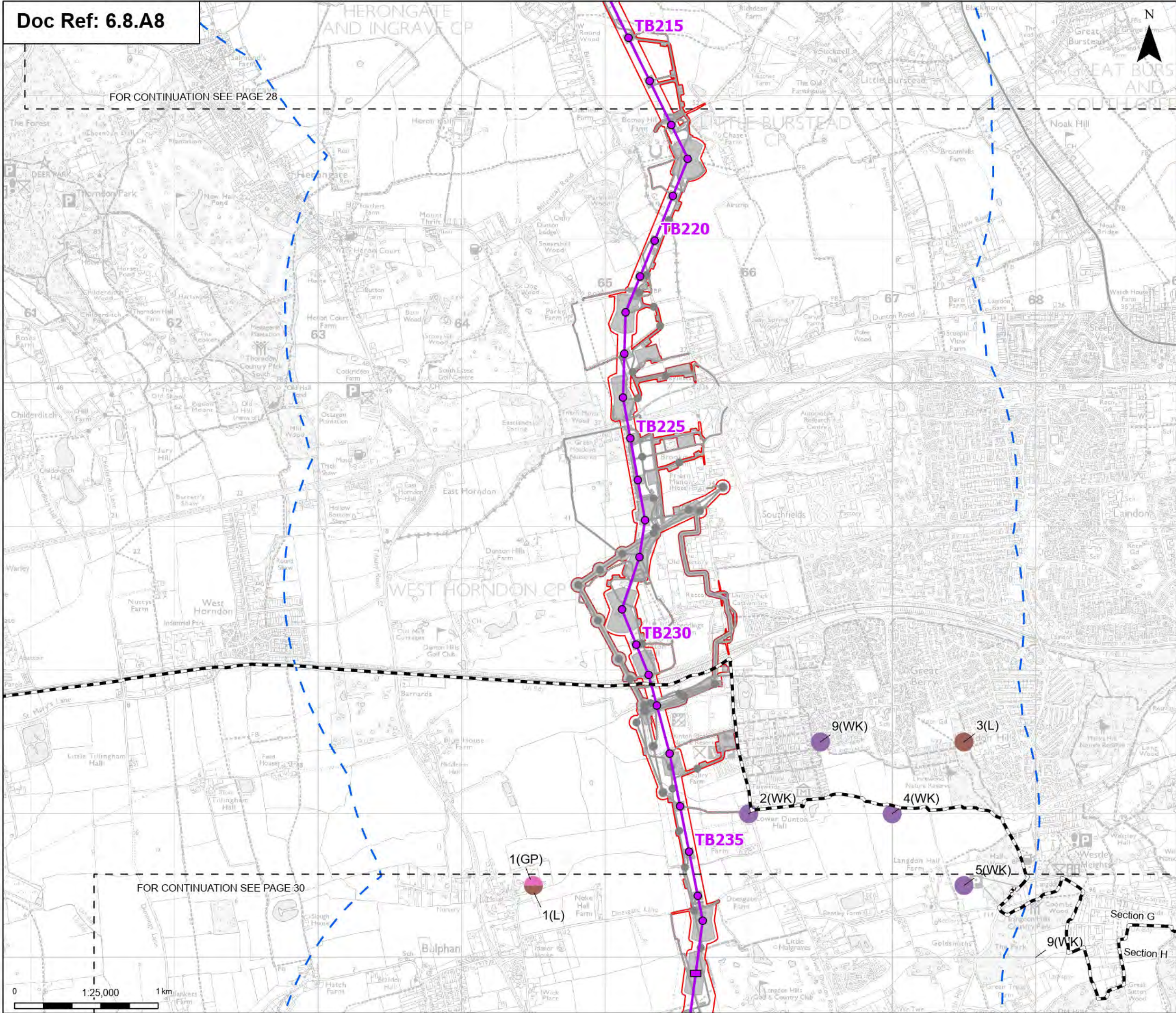
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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Order limits

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Project section line

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Avocet (AV)

Bar-tailed godwit (BA)

Black-tailed godwit (BW)

Curlew (CU)

Dunlin (DN)

Golden plover (GP)

Green sandpiper (GE)

Greenshank (GK)

Lapwing (L)

Little ringed plover (LP)

Ringed plover (RP)

Ruff (RU)

Whimbrel (WM)

Wood sandpiper (OD)

Woodcock (WK)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
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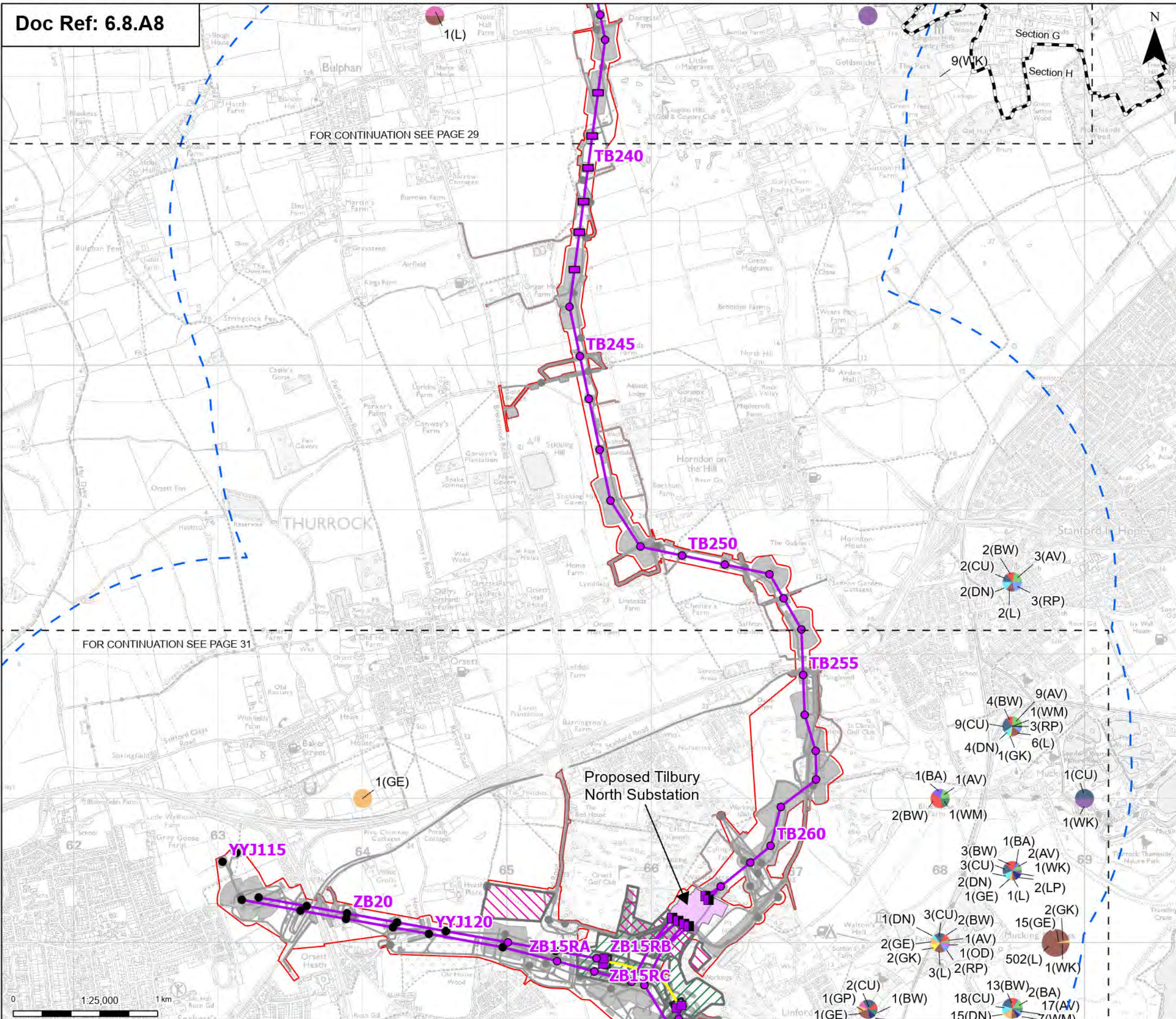
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Collision Risk Target Species
Waders (Desk Study Data 2013-2022
Page 29 of 31**

Designed	R. Anderton	Date	21 Aug 25
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Description:
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Drawing Number:
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Revision:
A



Order limits
Sheet index outline
Project section line

Proposed project design details
Proposed full line tension gantry
Proposed low duty gantry
Proposed low height pylon location
Existing pylon (modify)
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed Tilbury North Substation
Proposed cable sealing end compound (CSEC)
Environmental area
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Waders total abundance (desk study data 2013-2022)

Species	Abundance
Avocet (AV)	1
Bar-tailed godwit (BA)	1
Black-tailed godwit (BW)	1
Curlew (CU)	1
Dunlin (DN)	1
Golden plover (GP)	1
Green sandpiper (GE)	1
Greenshank (GK)	1
Lapwing (L)	1
Little ringed plover (LP)	1
Ringed plover (RP)	1
Ruff (RU)	1
Whimbrel (WM)	1
Wood sandpiper (OD)	1
Woodcock (WK)	1

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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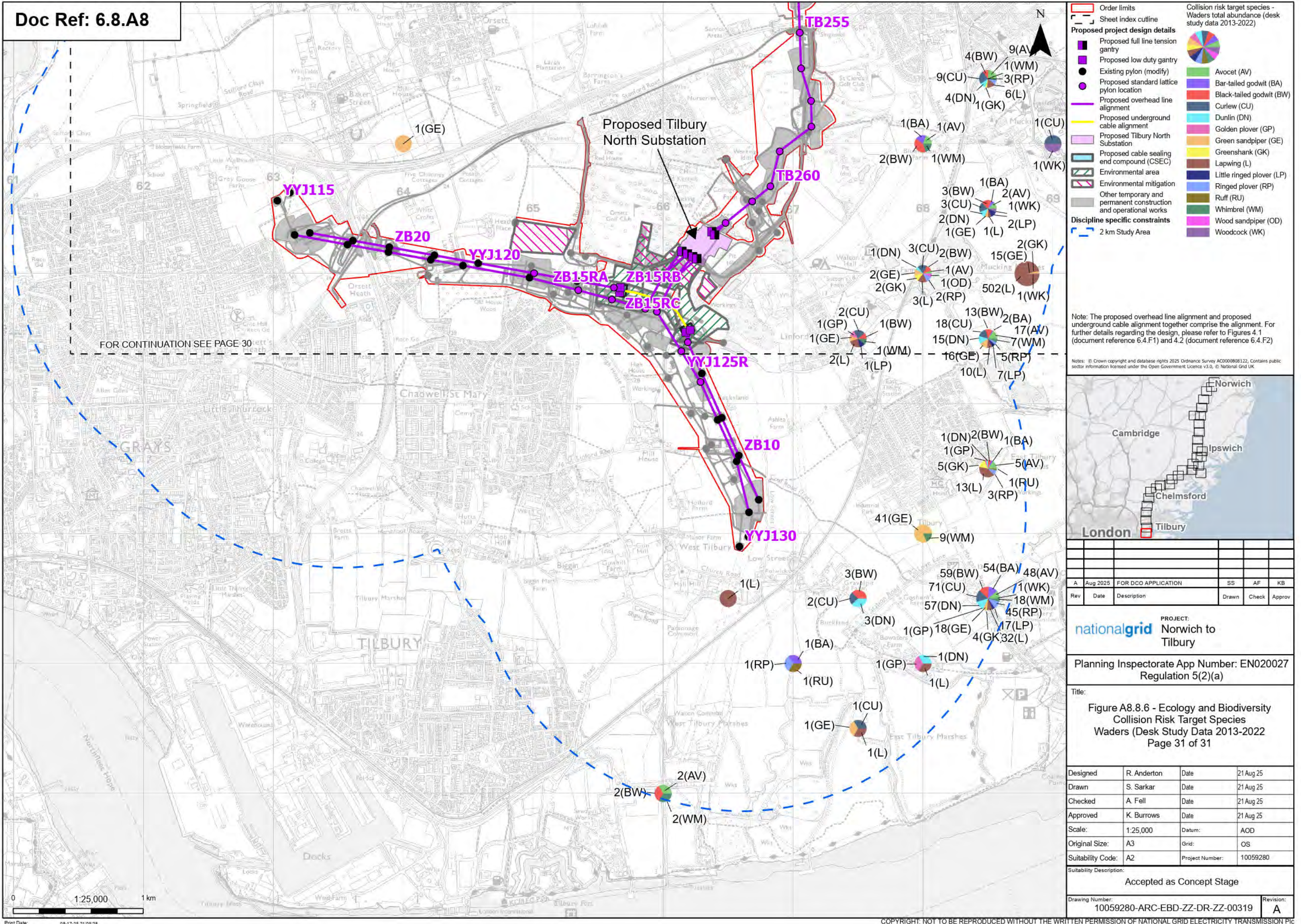
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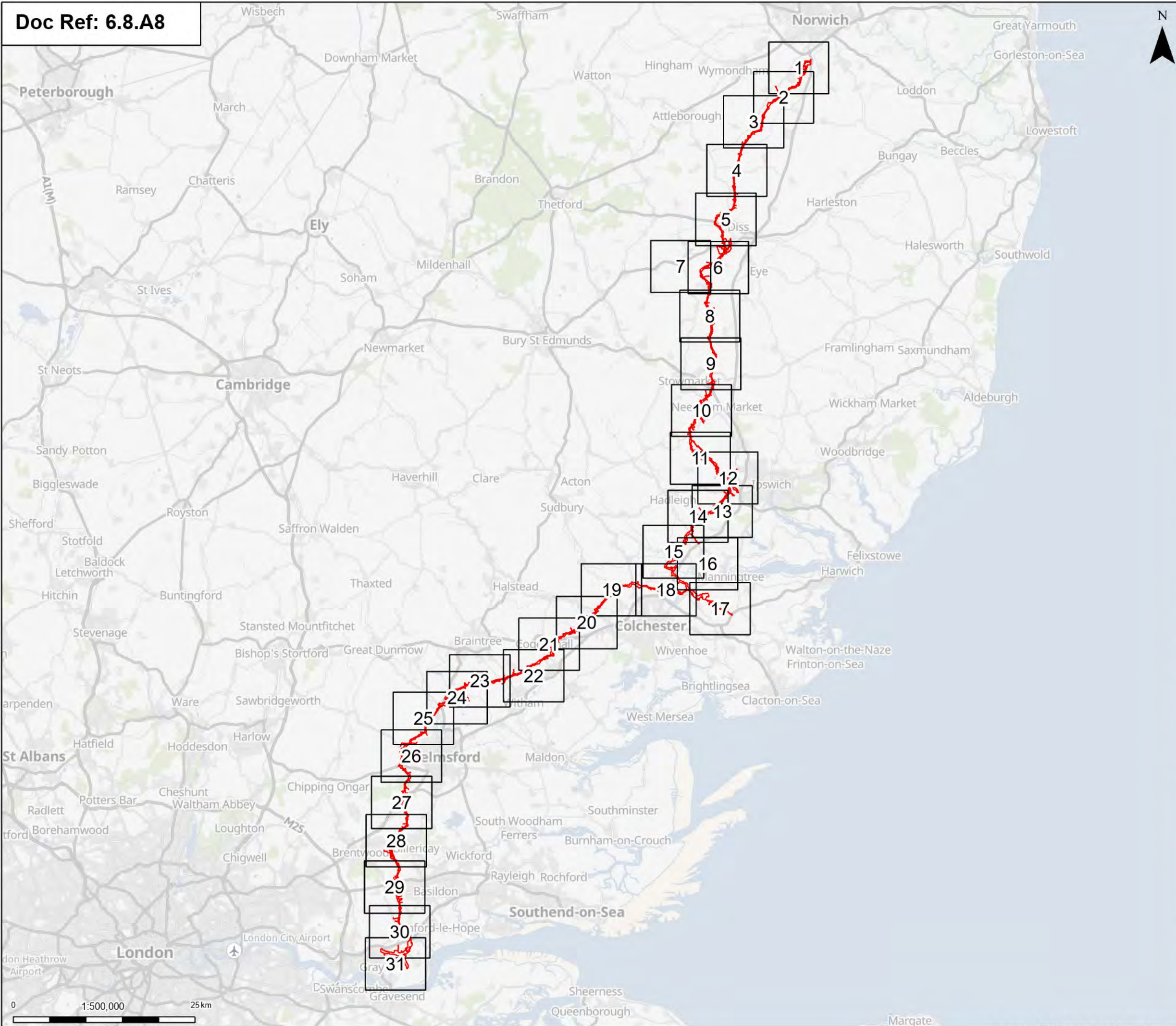
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Figure A8.8.6 - Ecology and Biodiversity
Collision Risk Target Species
Waders (Desk Study Data 2013-2022)
Page 30 of 31

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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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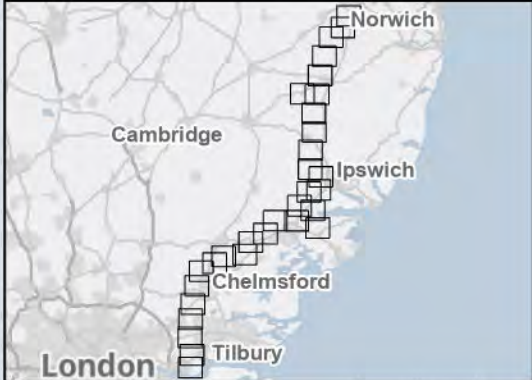
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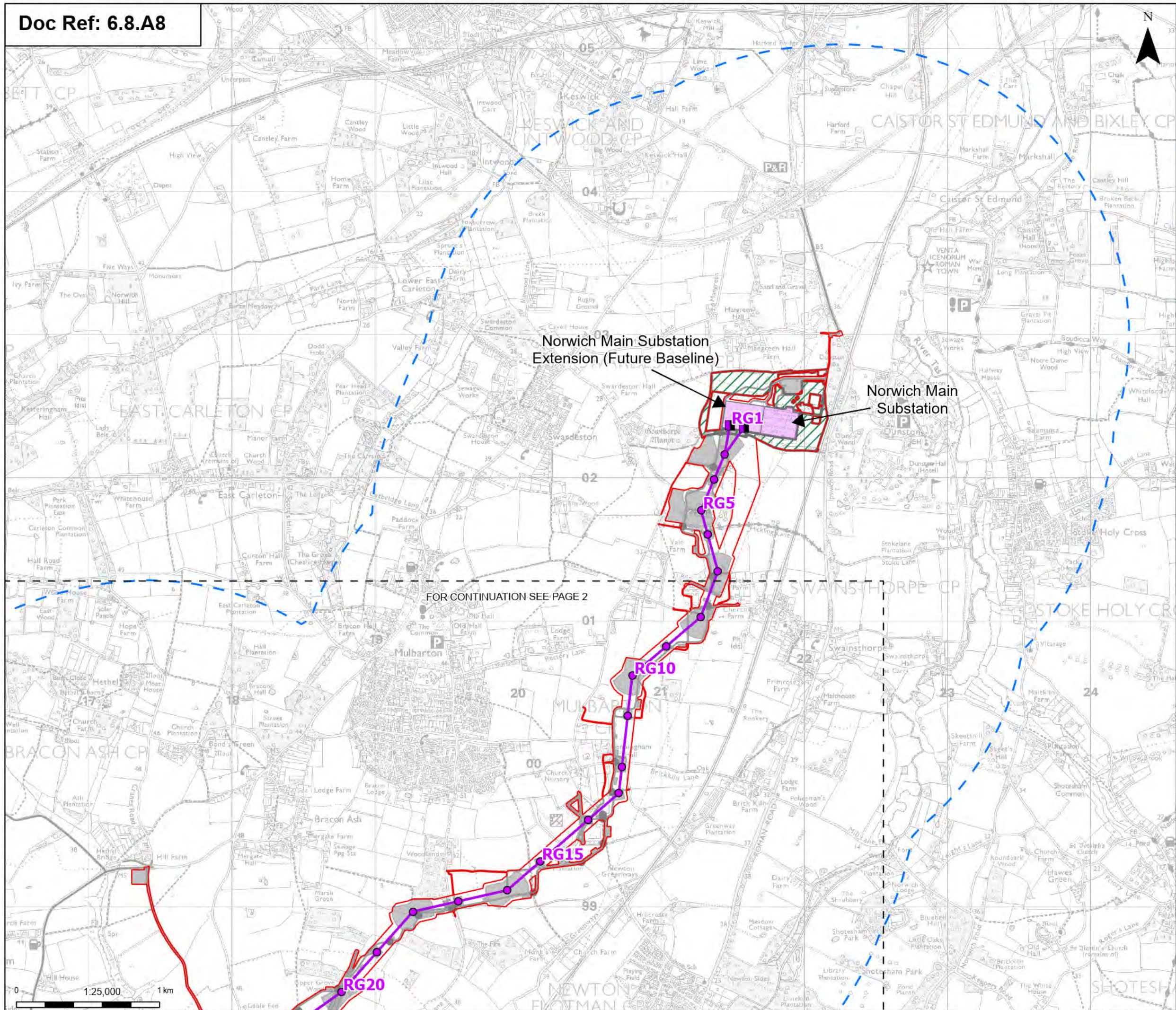
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Regulation 5(2)(a)

Title:
Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
Overview

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Drawn	S. Sarkar	Date	21 Aug 25
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Revision:
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Order limits

Sheet index outline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Norwich Main Substation
- Norwich Main Substation Extension (future baseline)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend:

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
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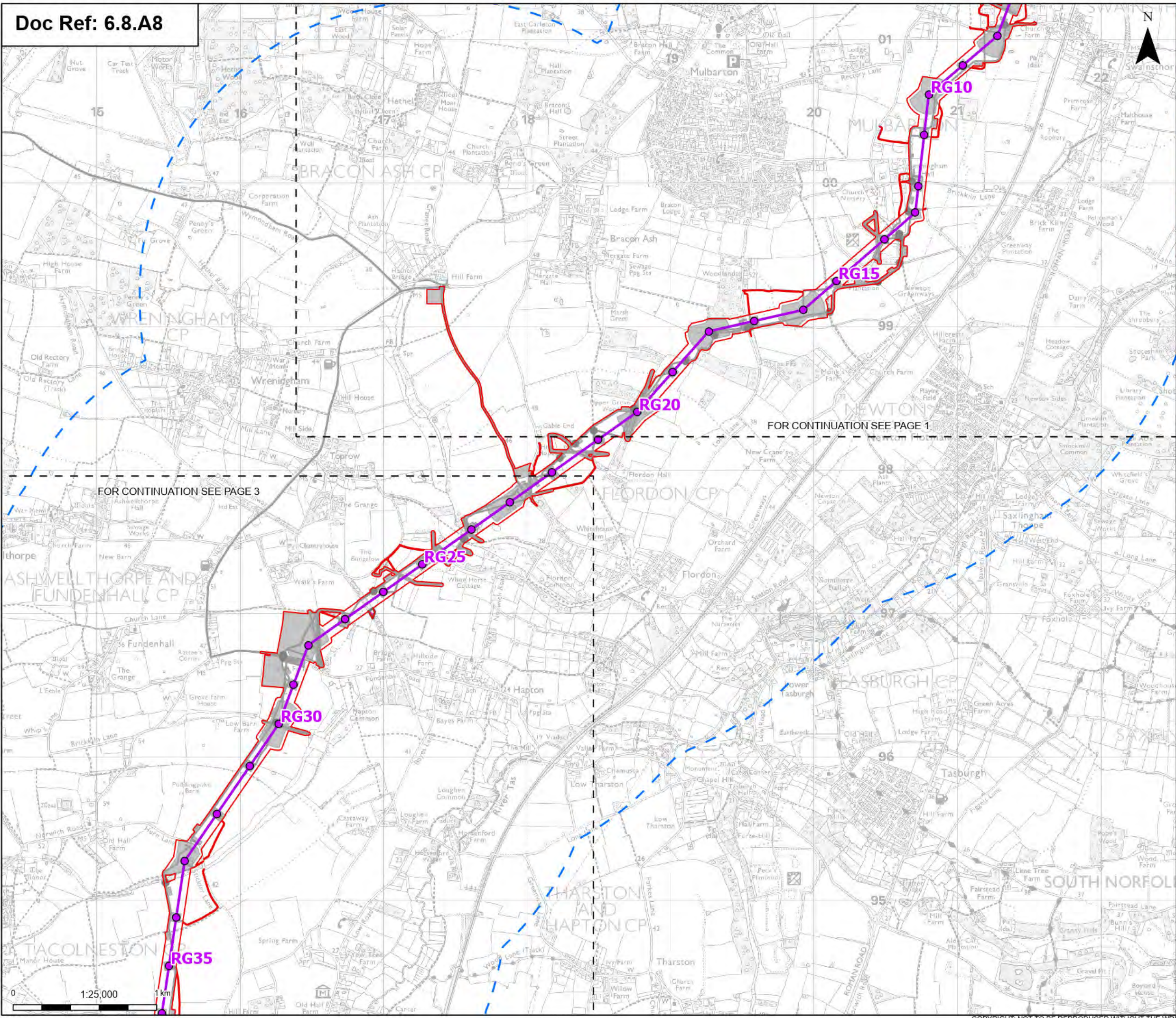
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**Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
Page 1 of 31**

Designed	R. Anderton	Date	21 Aug 25
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Revision:
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Sheet index outline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend:

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

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PROJECT:
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Planning Inspectorate App Number: EN020027
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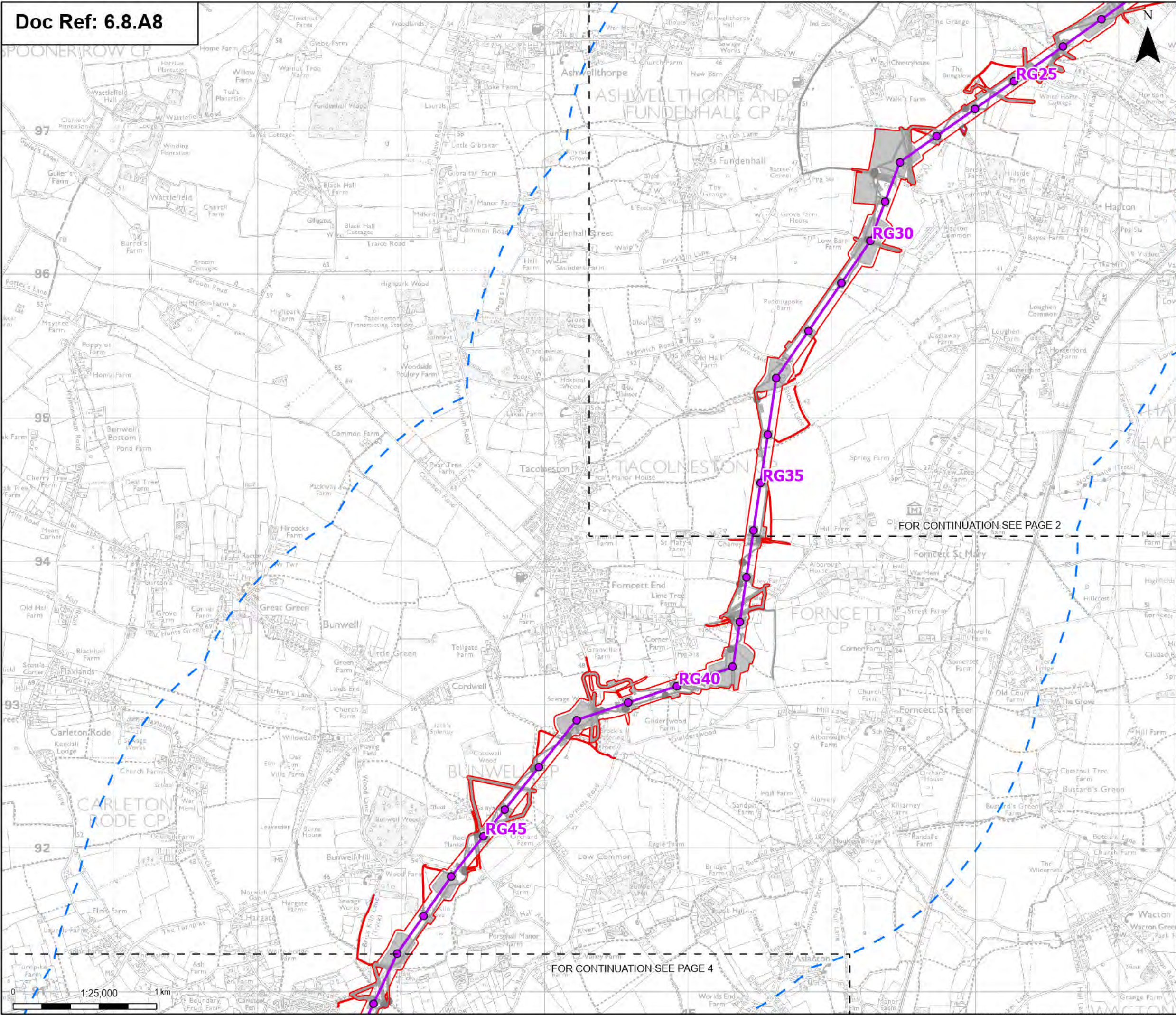
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Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Sheet index outline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend:

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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PROJECT:
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Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
**Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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Drawing Number:
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Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Black-necked grebe (BN)

Black-throated diver (BV)

Great northern diver (ND)

Red-necked grebe (RX)

Red-throated diver (RH)

Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
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Planning Inspectorate App Number: EN020027
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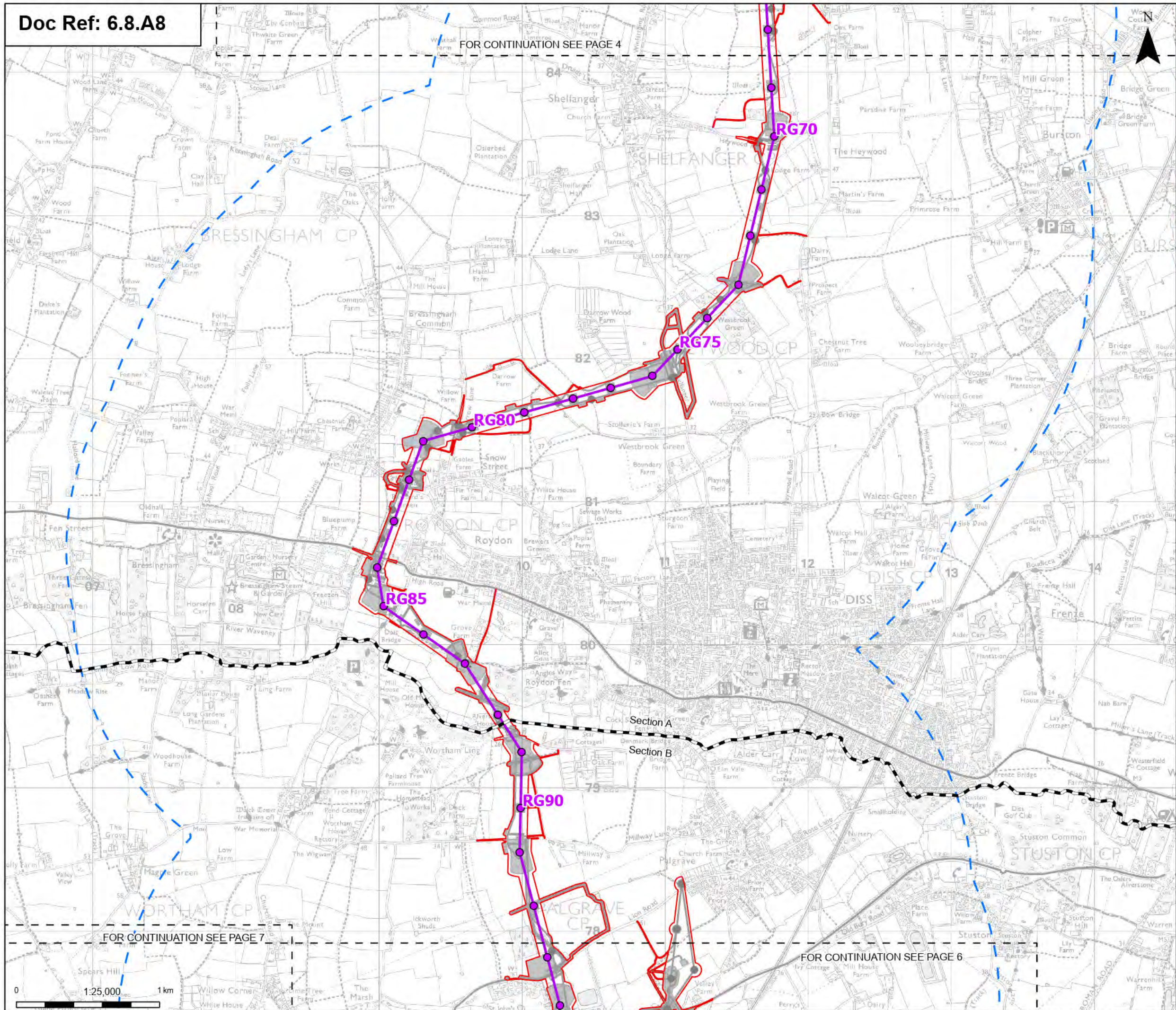
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Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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Tilbury

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Title:
Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Black-necked grebe (BN)

Black-throated diver (BV)

Great northern diver (ND)

Red-necked grebe (RX)

Red-throated diver (RH)

Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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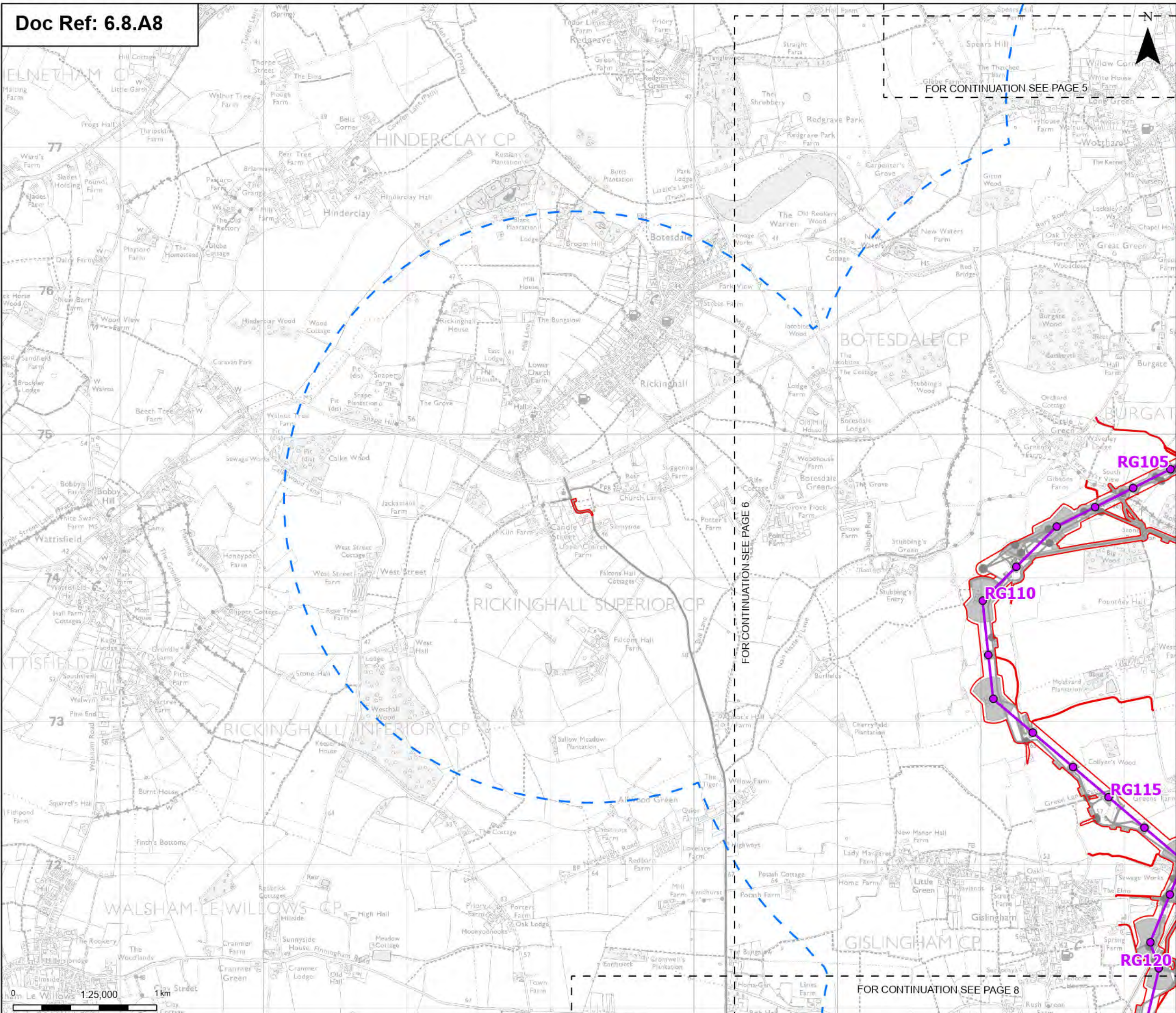
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Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Original Size:	A3	Grid:	OS
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Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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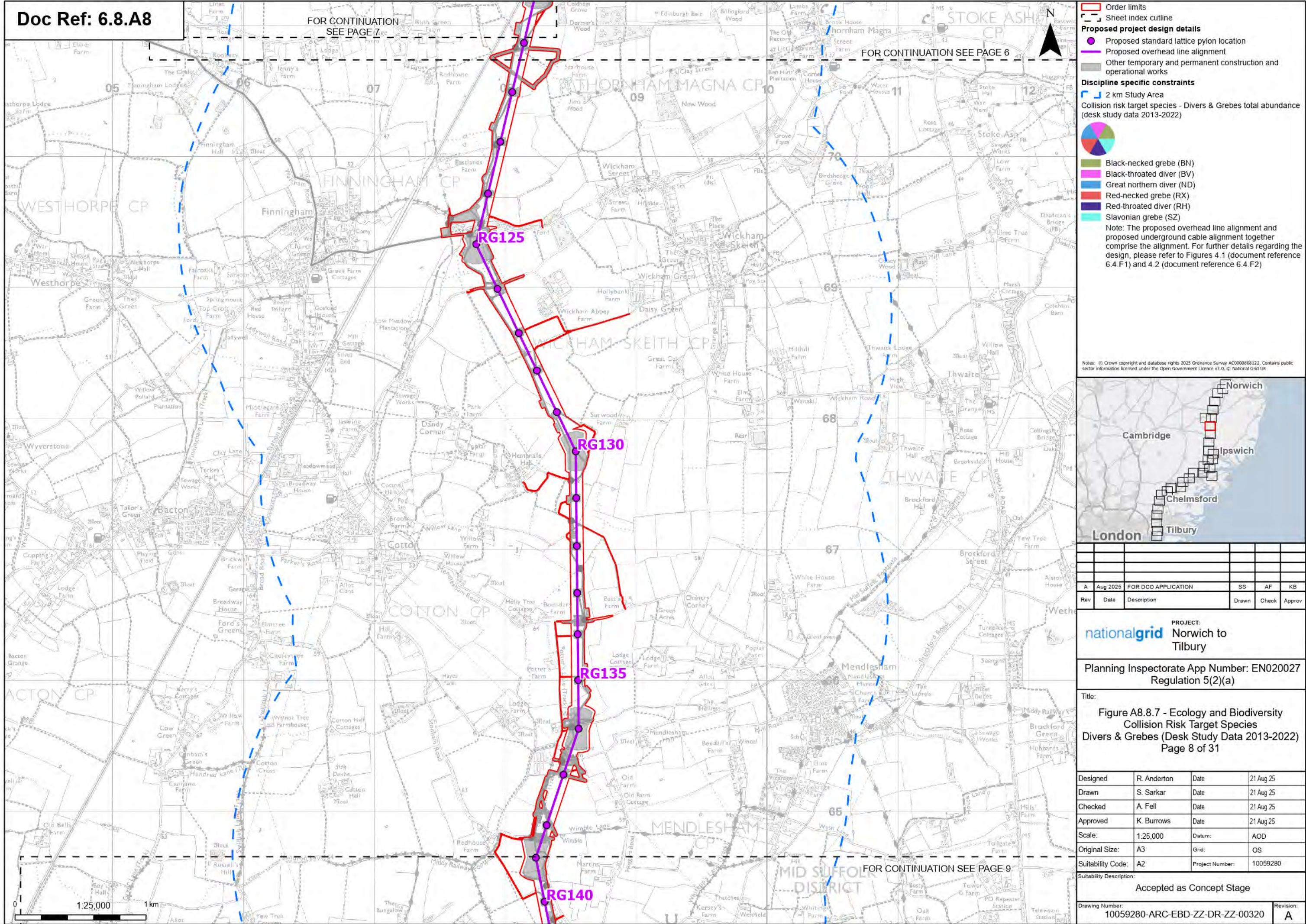
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Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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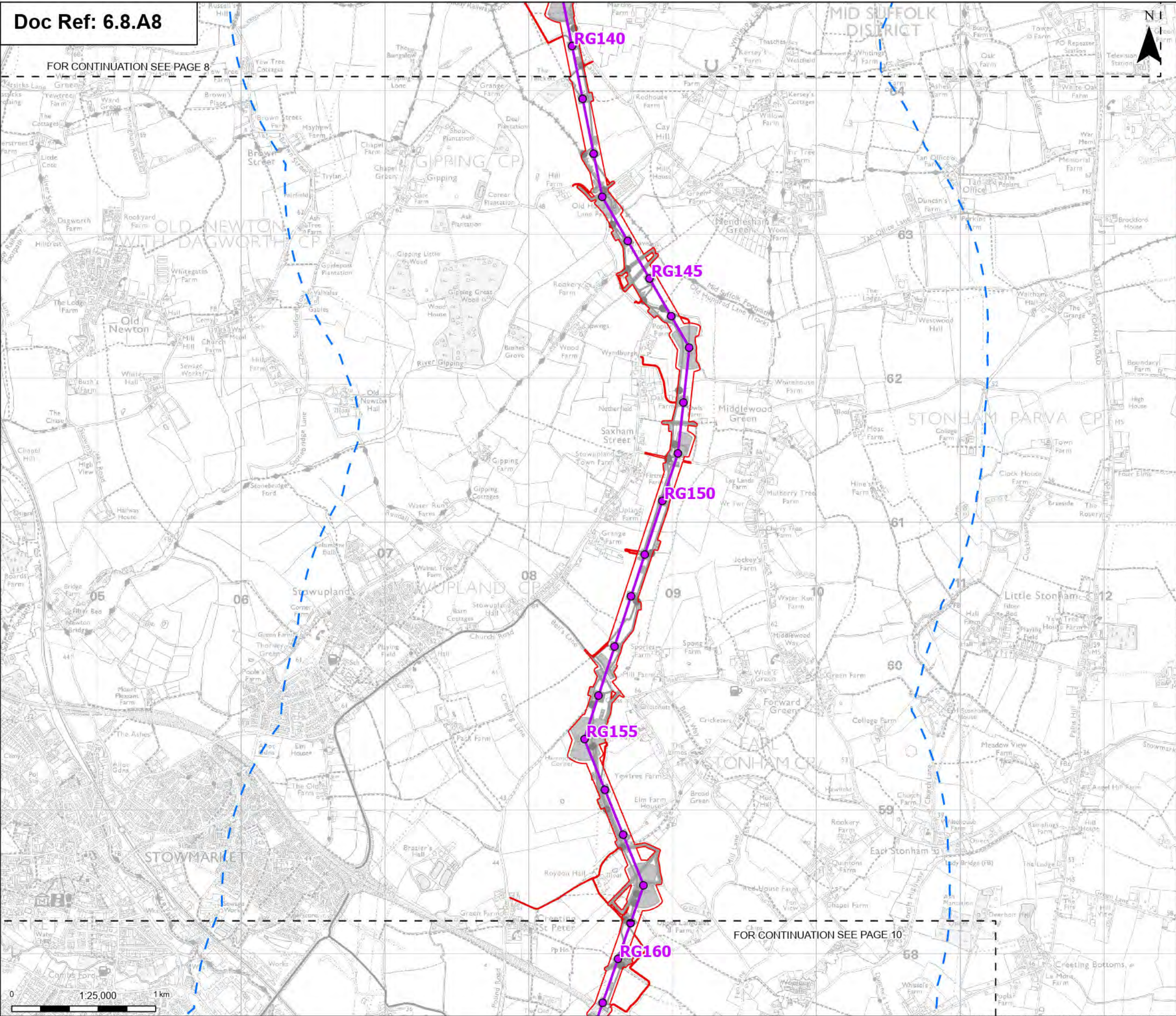
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Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

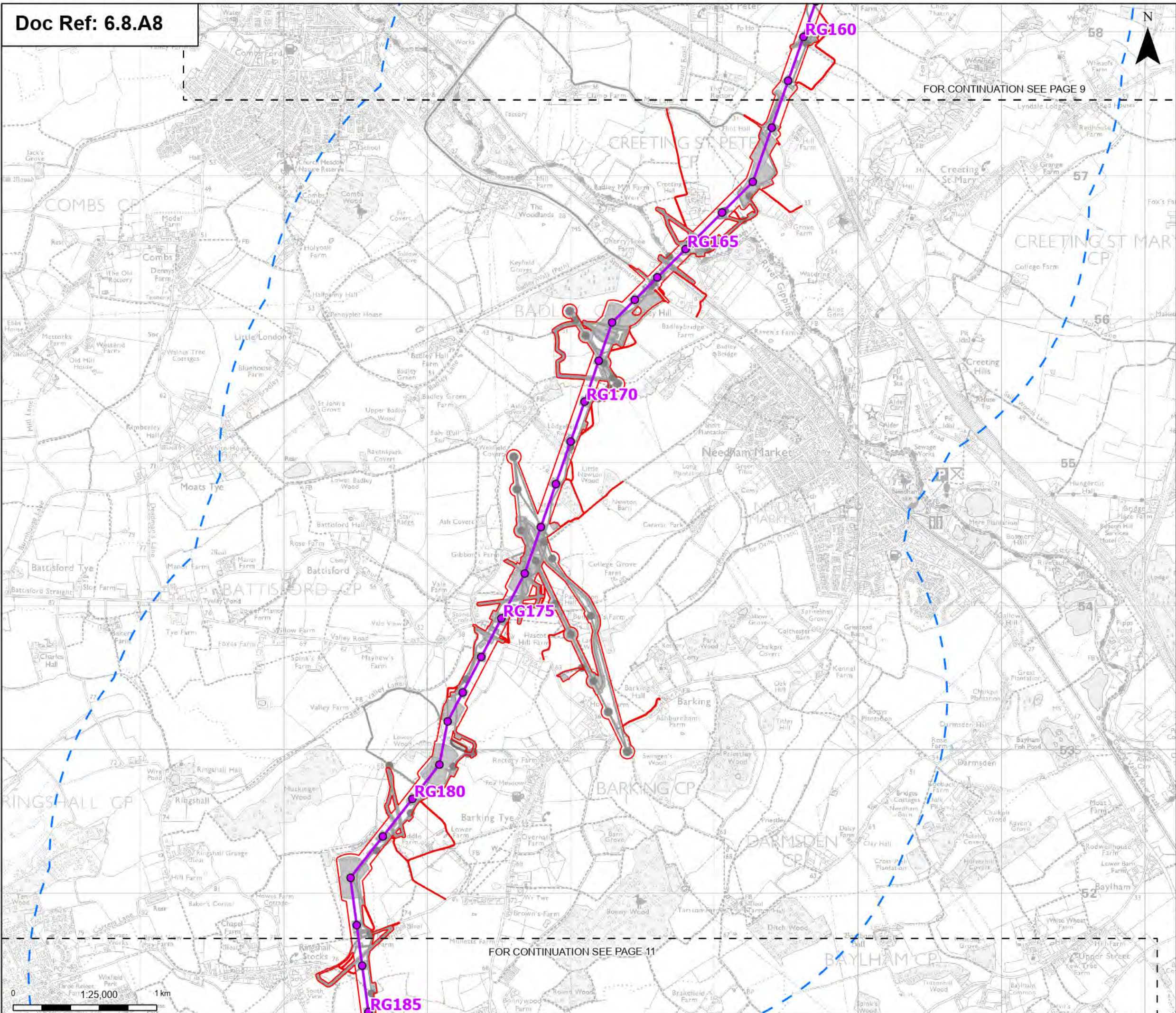
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Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Suitability Description:
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Drawing Number:
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Order limits

Sheet index outline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Black-necked grebe (BN)
Black-throated diver (BV)
Great northern diver (ND)
Red-necked grebe (RX)
Red-throated diver (RH)
Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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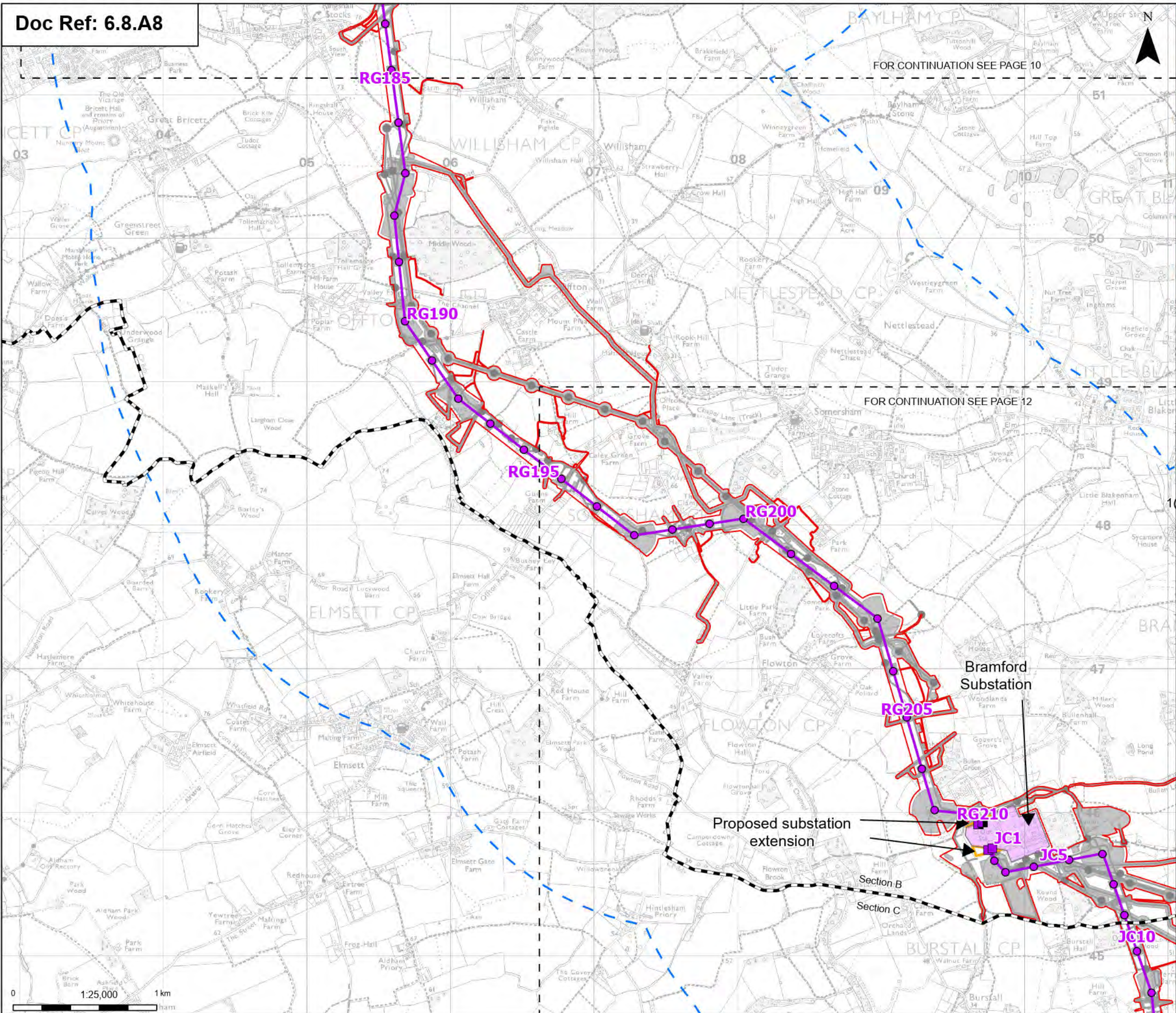
Title:
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Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Order limits

- Sheet index outline
- Project section line

Proposed project design details

- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Bramford Substation
- Bramford Substation Extension
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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PROJECT: **Norwich to Tilbury**

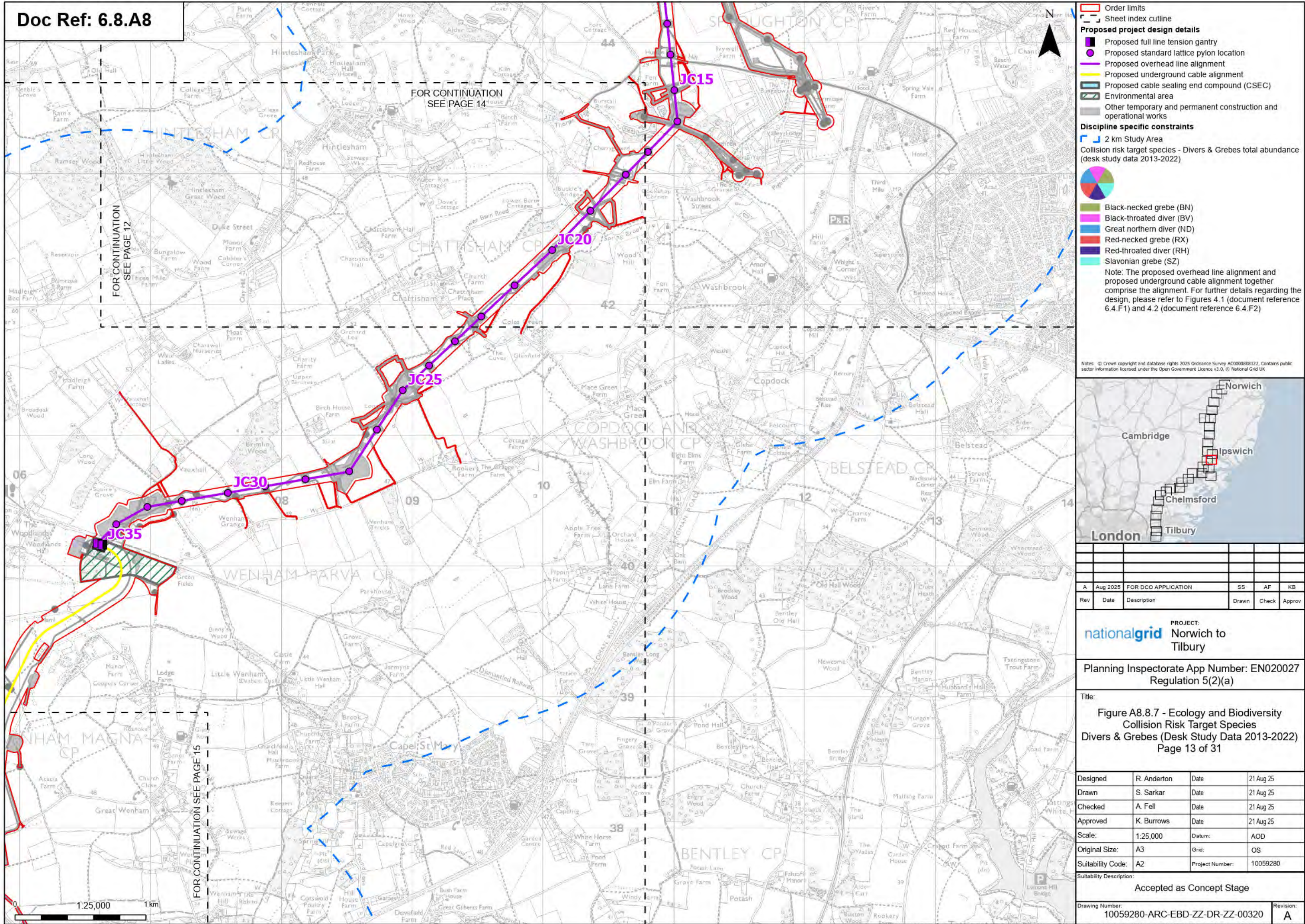
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Regulation 5(2)(a)

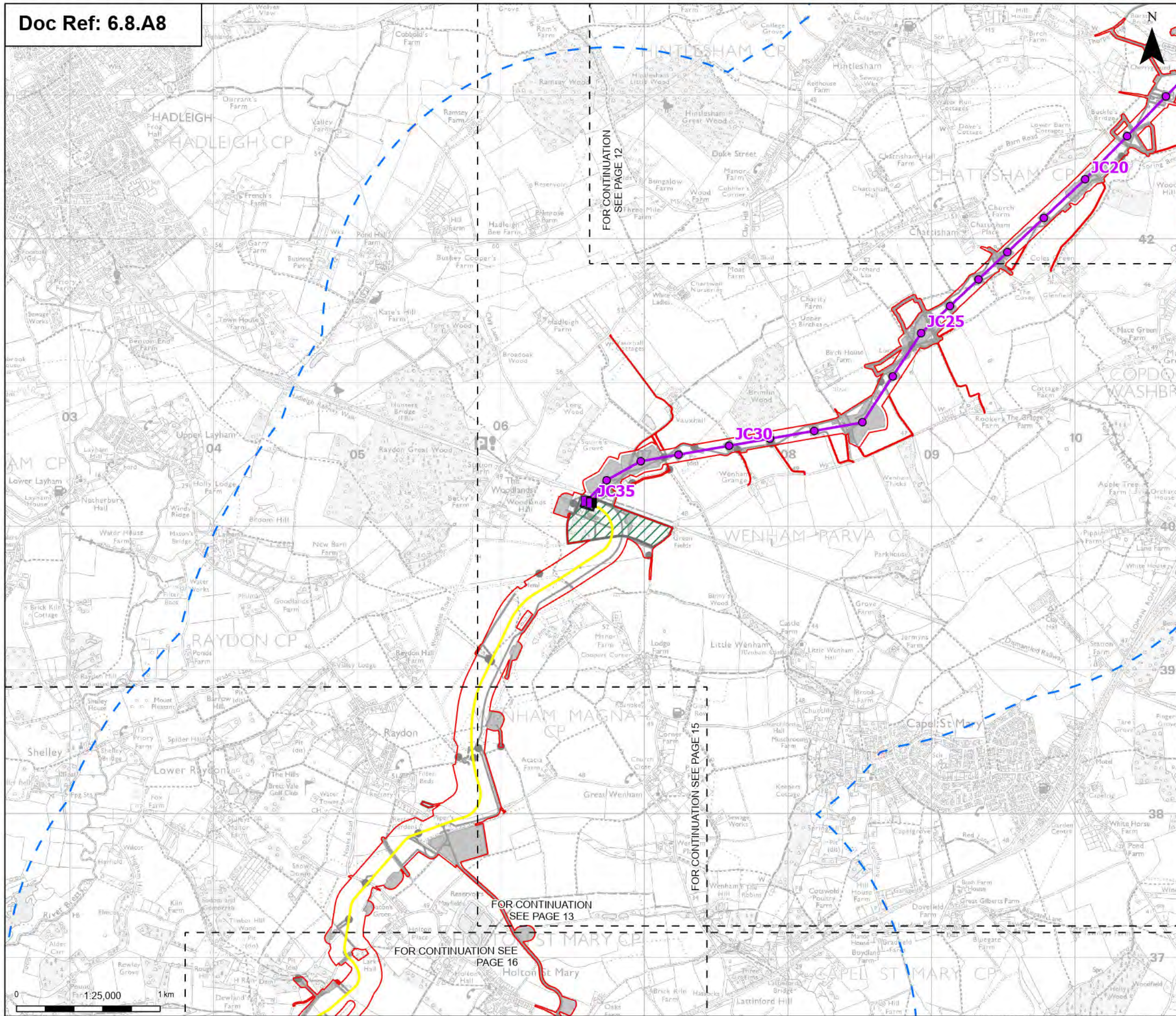
Title: **Figure A8.8.7 - Ecology and Biodiversity Collision Risk Target Species Divers & Grebes (Desk Study Data 2013-2022)**
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00320
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Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend:

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
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Tilbury

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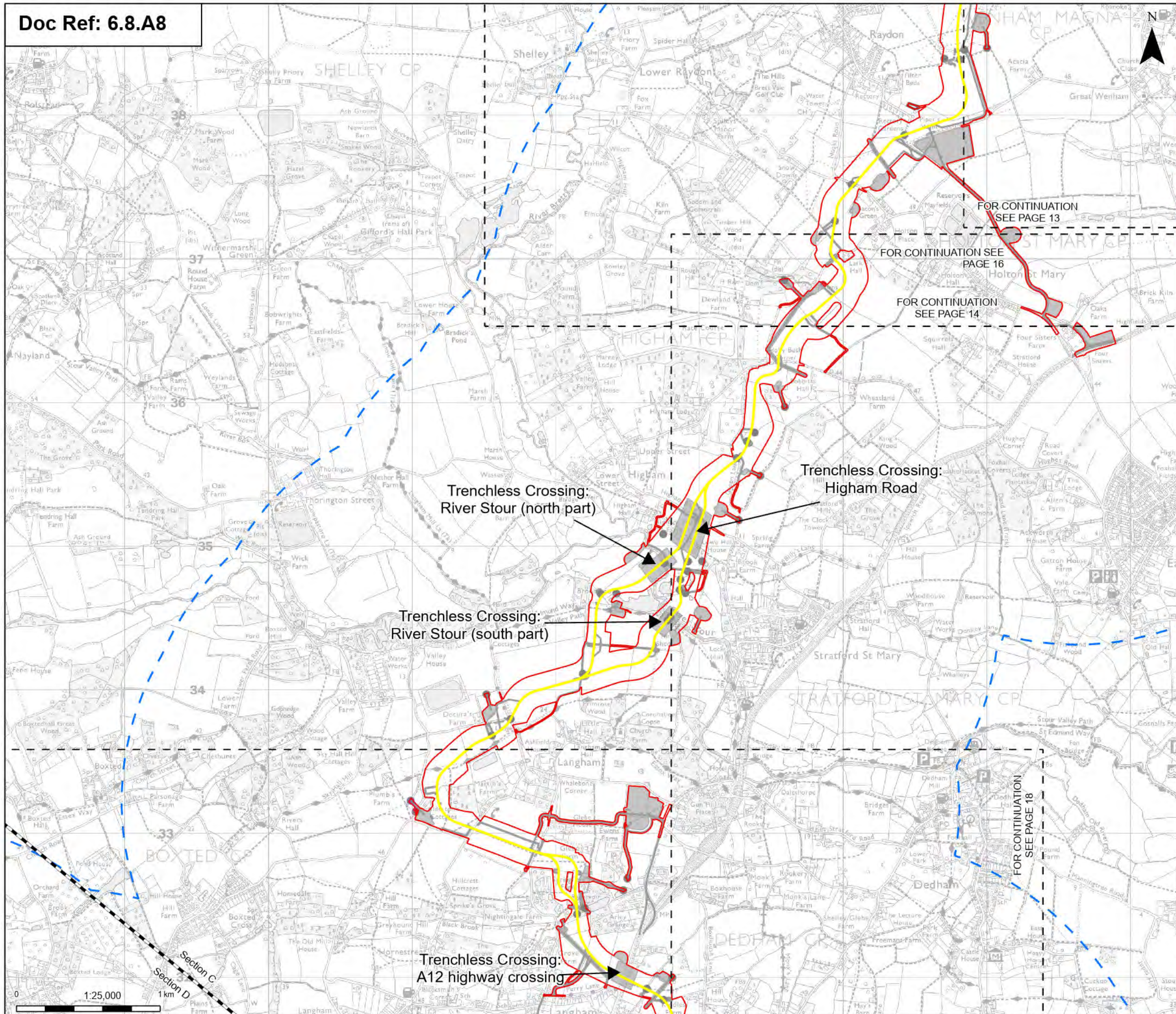
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Figure A8.8.7 - Ecology and Biodiversity
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Suitability Description:
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Proposed project design details

- Proposed underground cable alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
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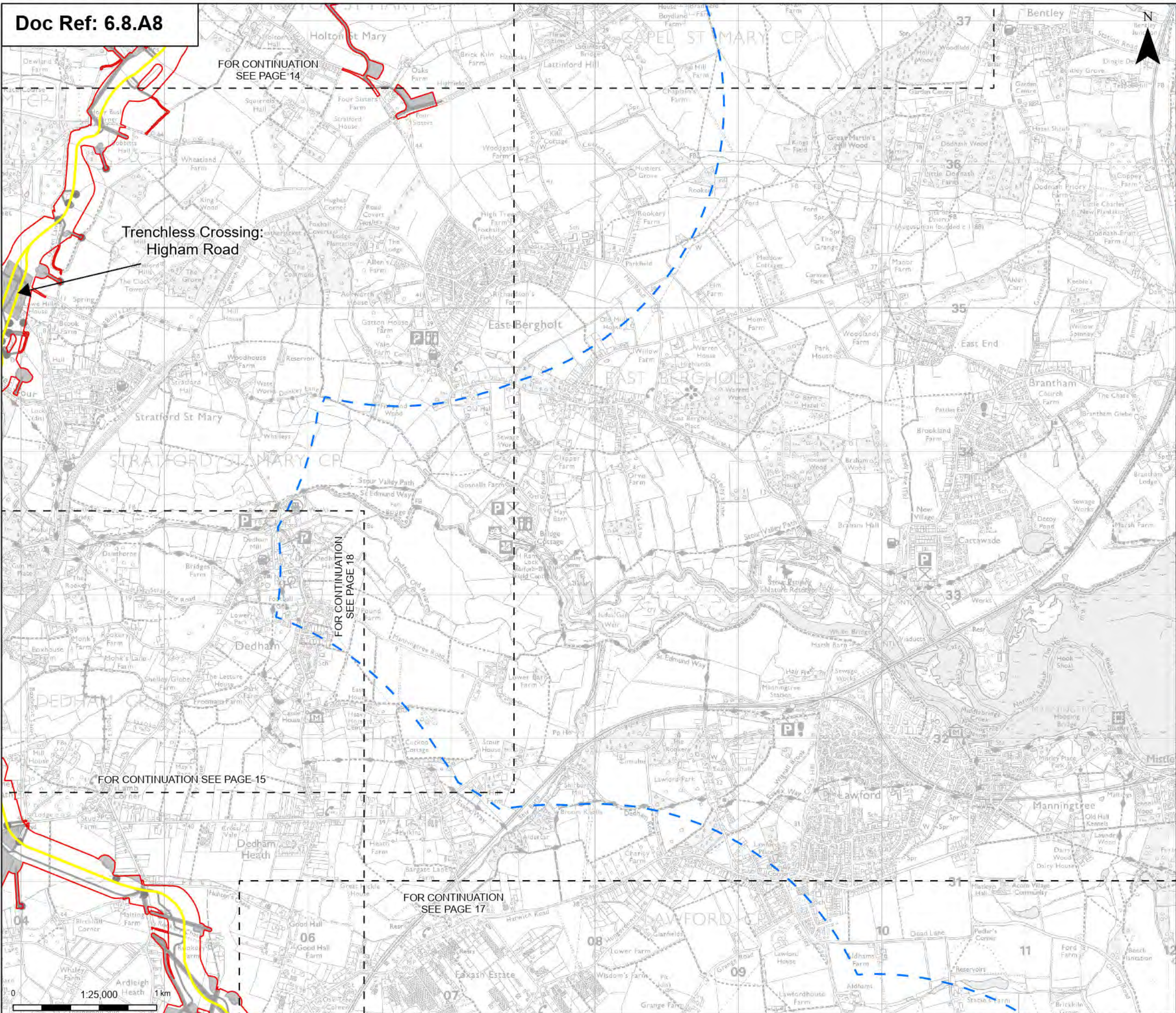
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Proposed project design details

- Proposed standard lattice pylon location
- Proposed underground cable alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
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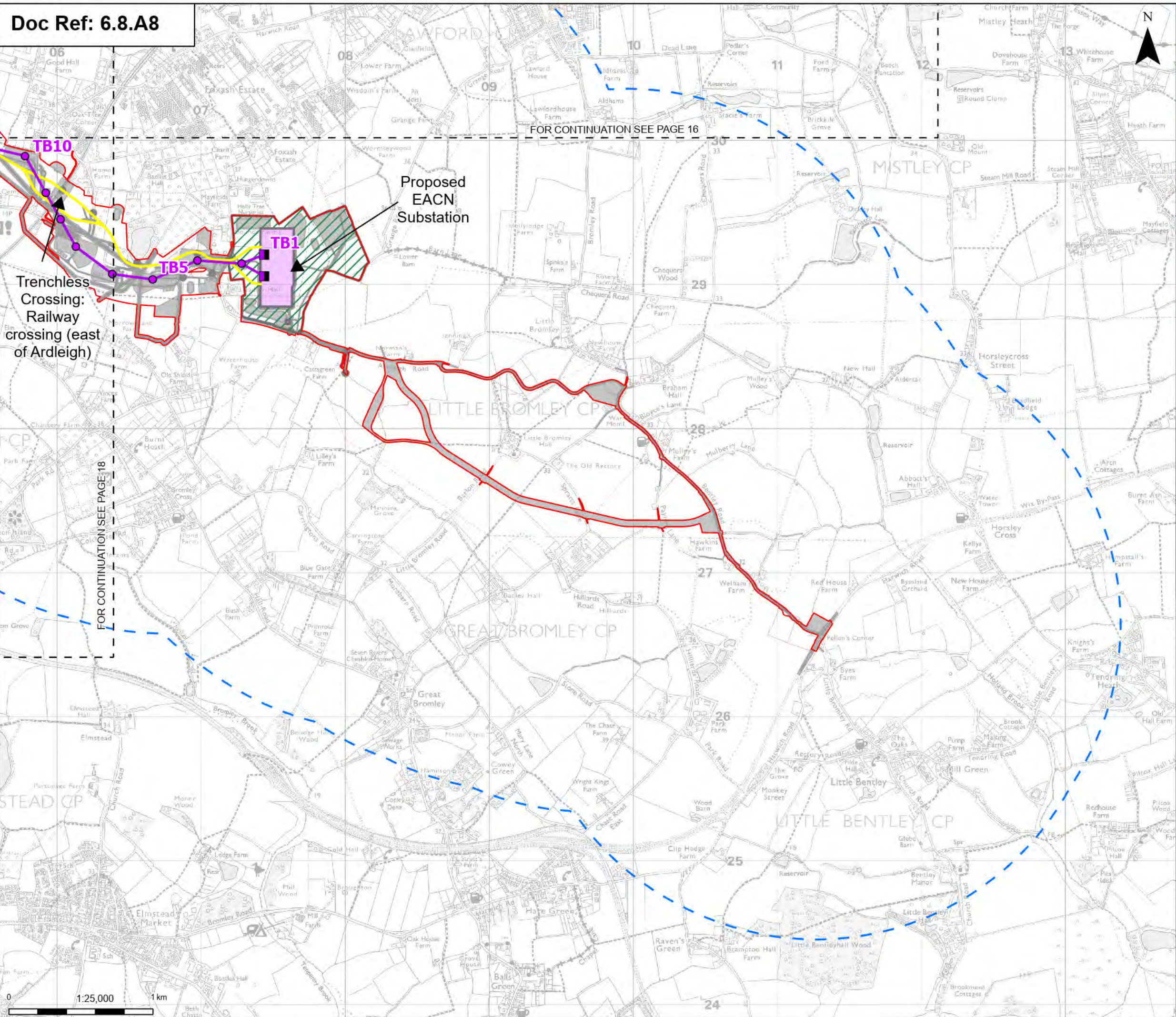
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Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed DNO Substation
- Proposed East Anglia Connection Node Substation (EACN)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

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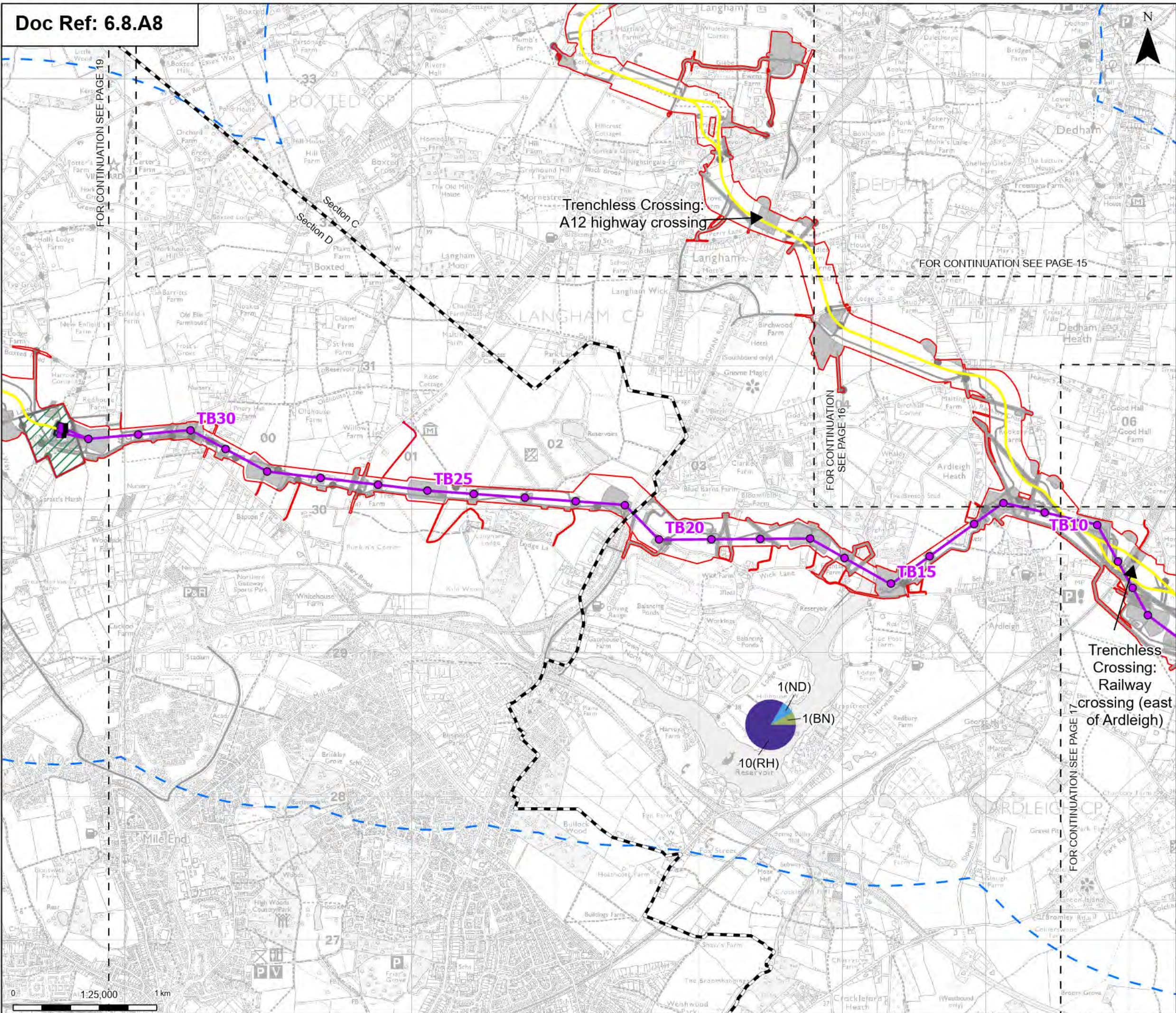
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Collision Risk Target Species
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Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend:

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

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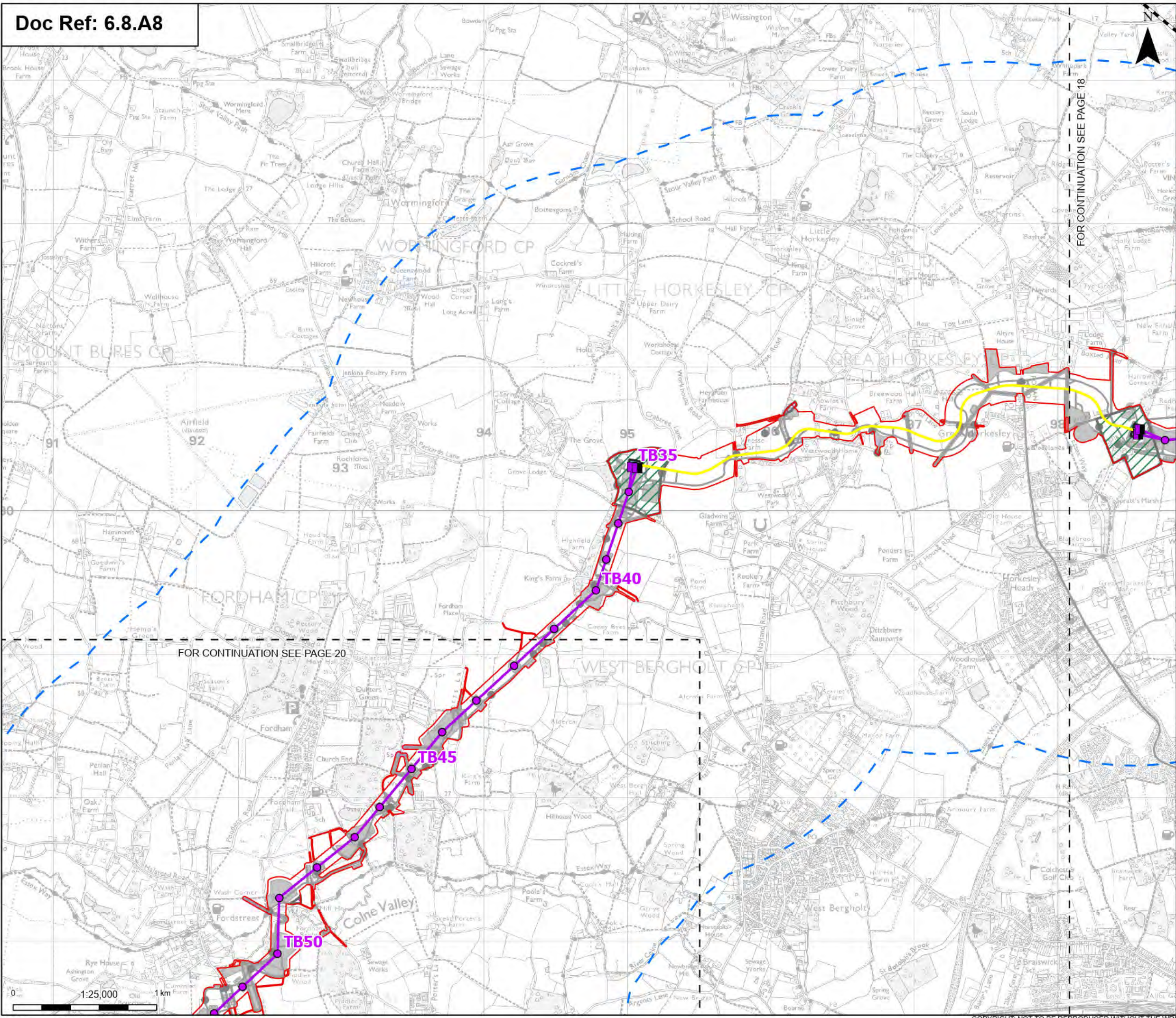
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Title: Figure A8.8.7 - Ecology and Biodiversity Collision Risk Target Species Divers & Grebes (Desk Study Data 2013-2022) Page 18 of 31

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- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Black-necked grebe (BN)
Black-throated diver (BV)
Great northern diver (ND)
Red-necked grebe (RX)
Red-throated diver (RH)
Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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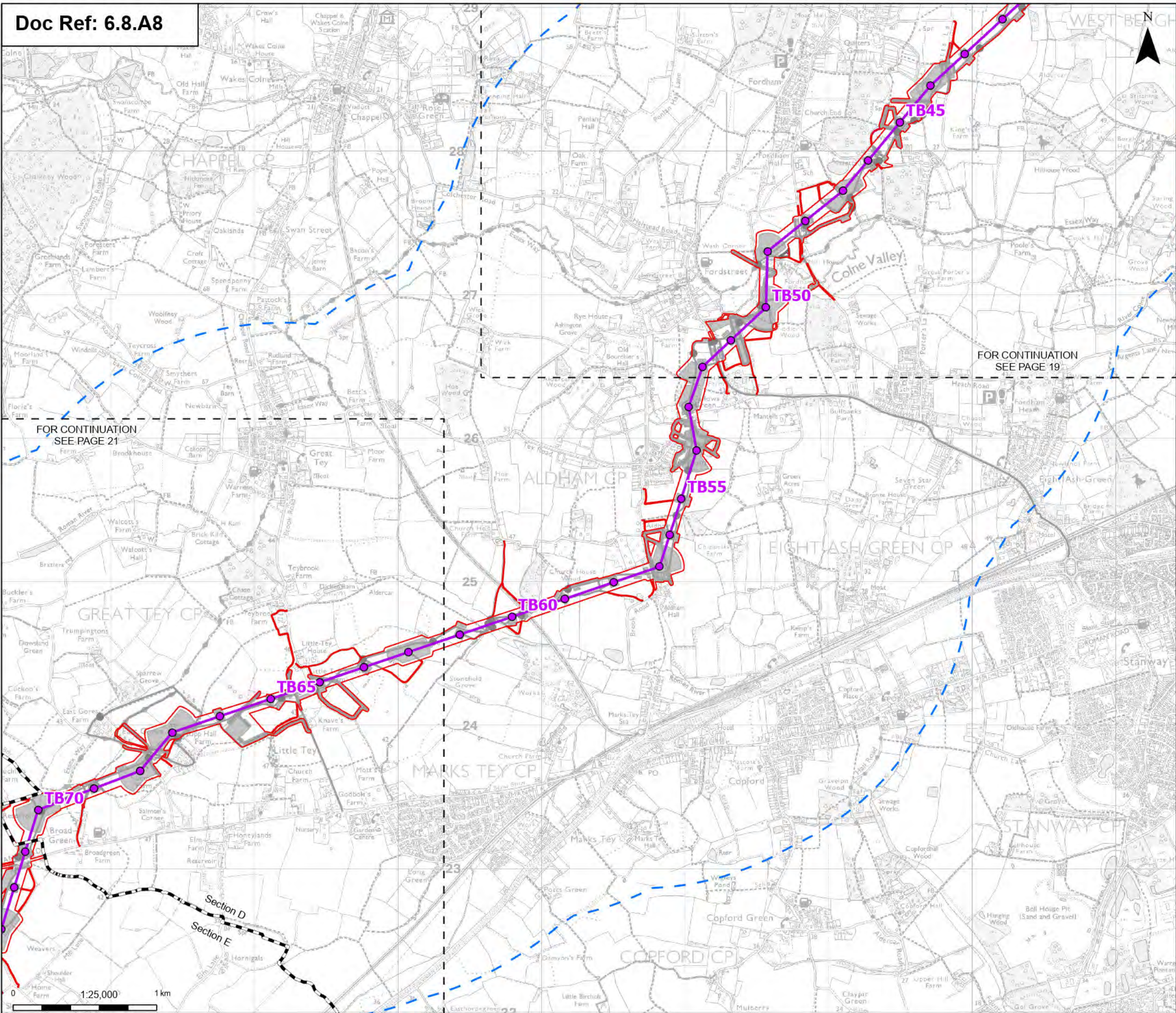
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Figure A8.8.7 - Ecology and Biodiversity
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Proposed project design details

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- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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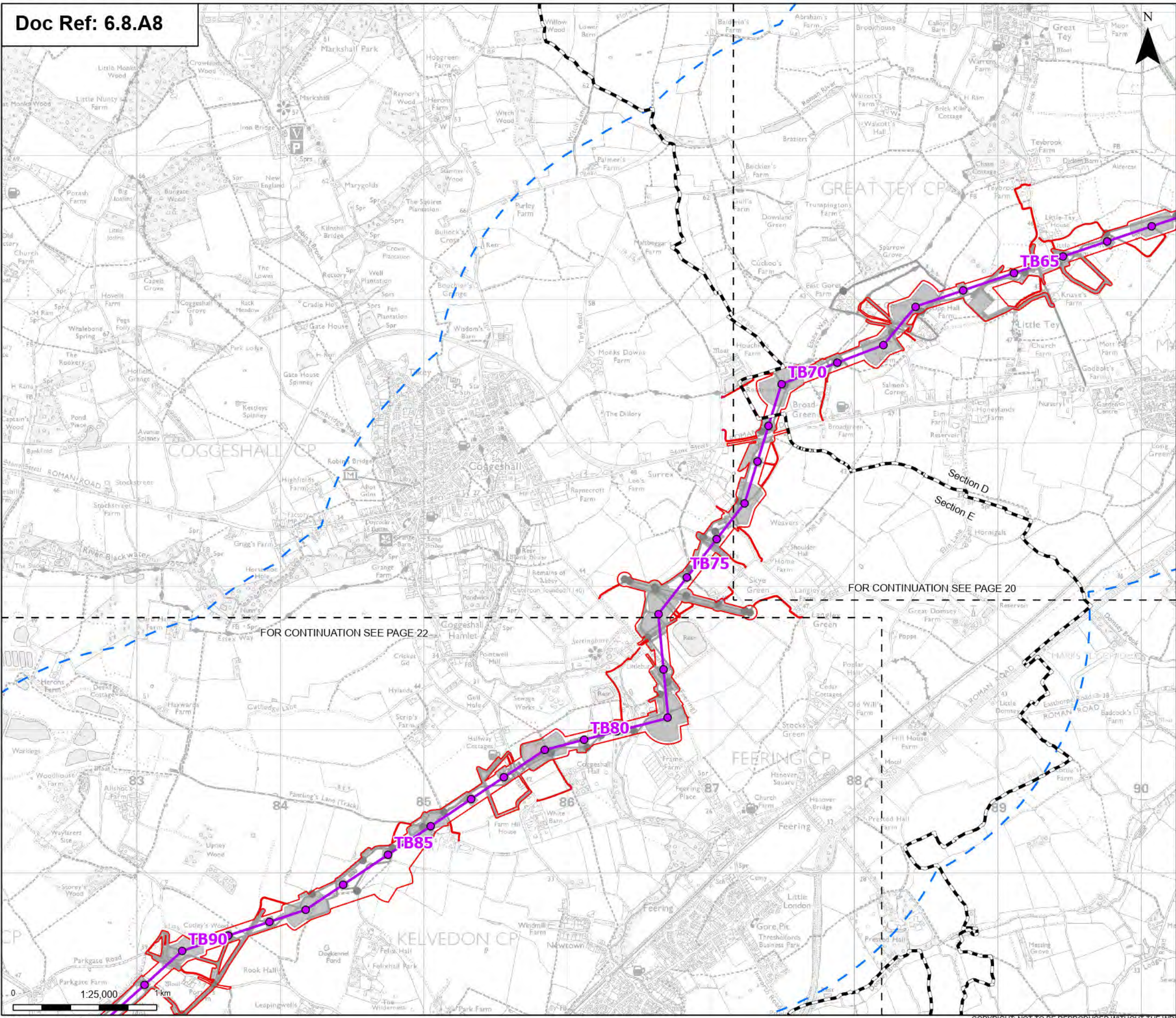
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Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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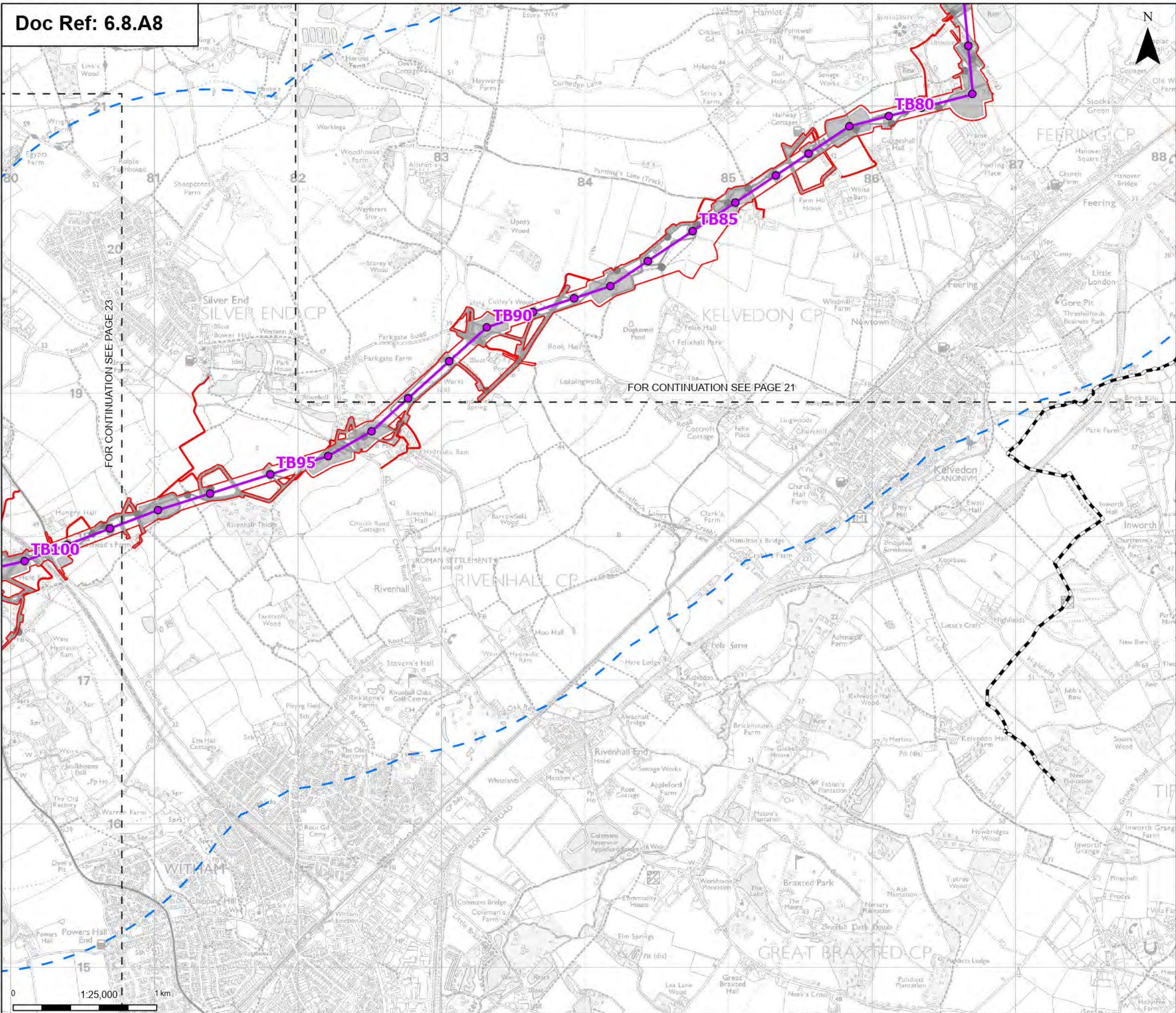
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- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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PROJECT:
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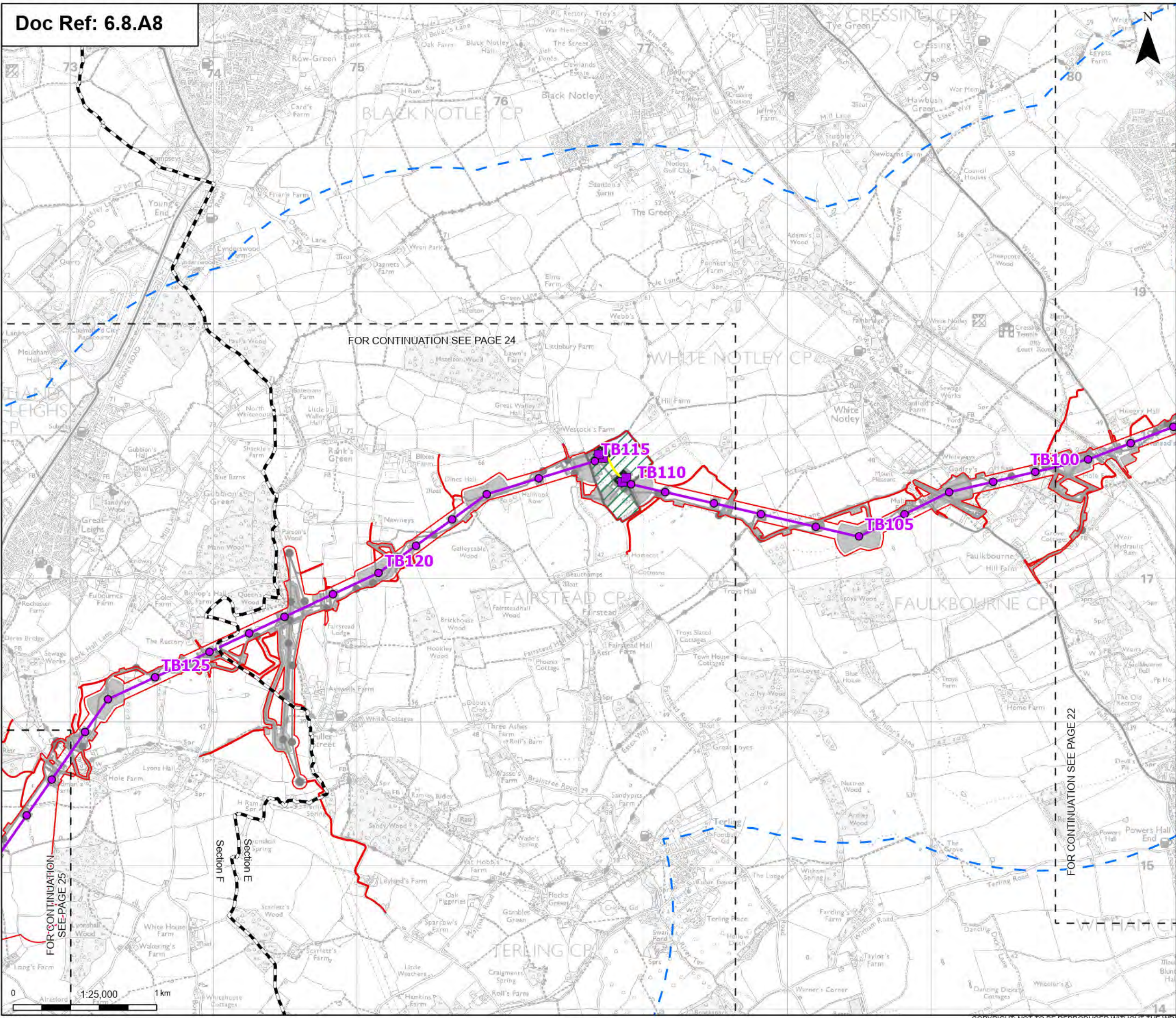
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- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend:

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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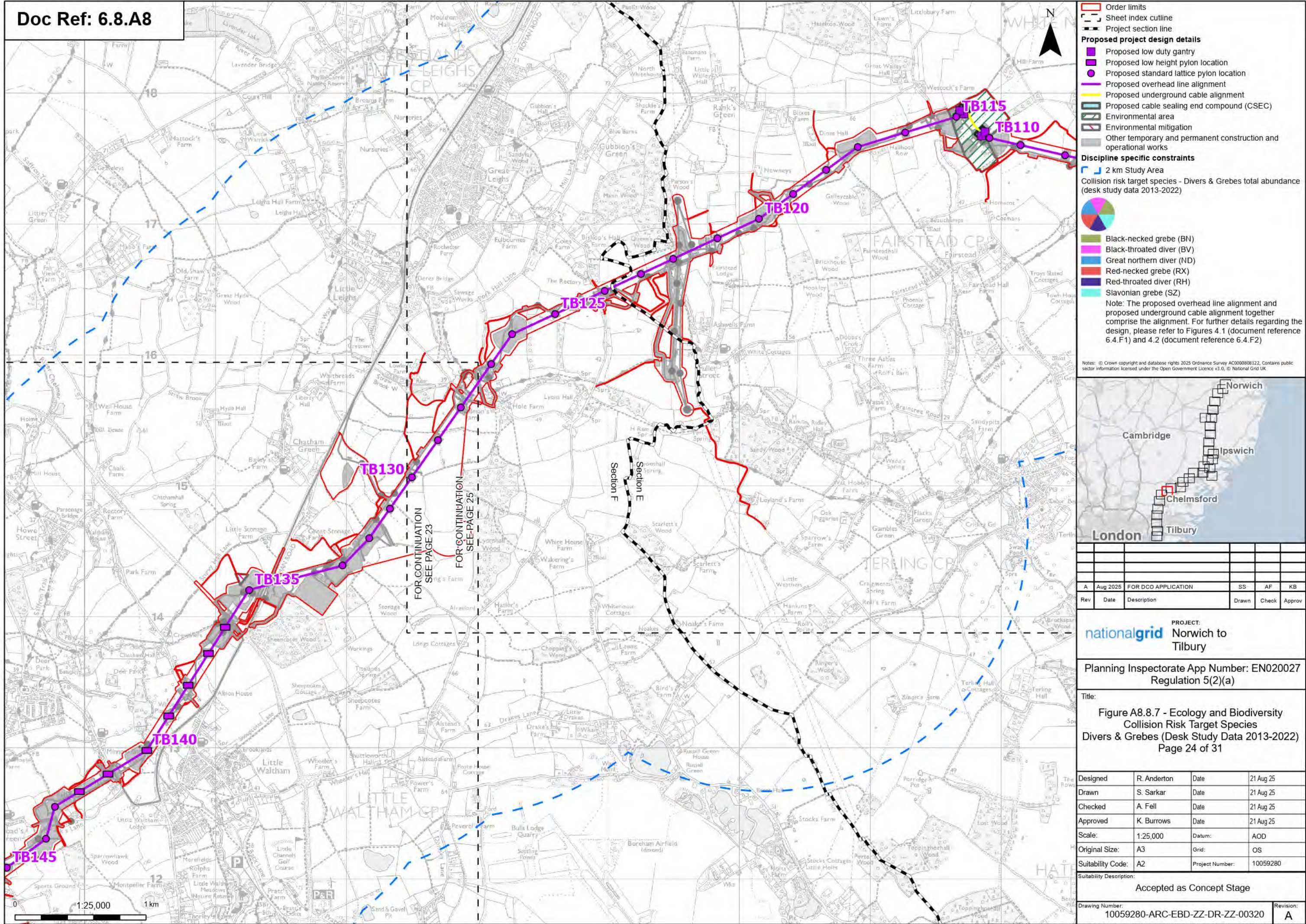
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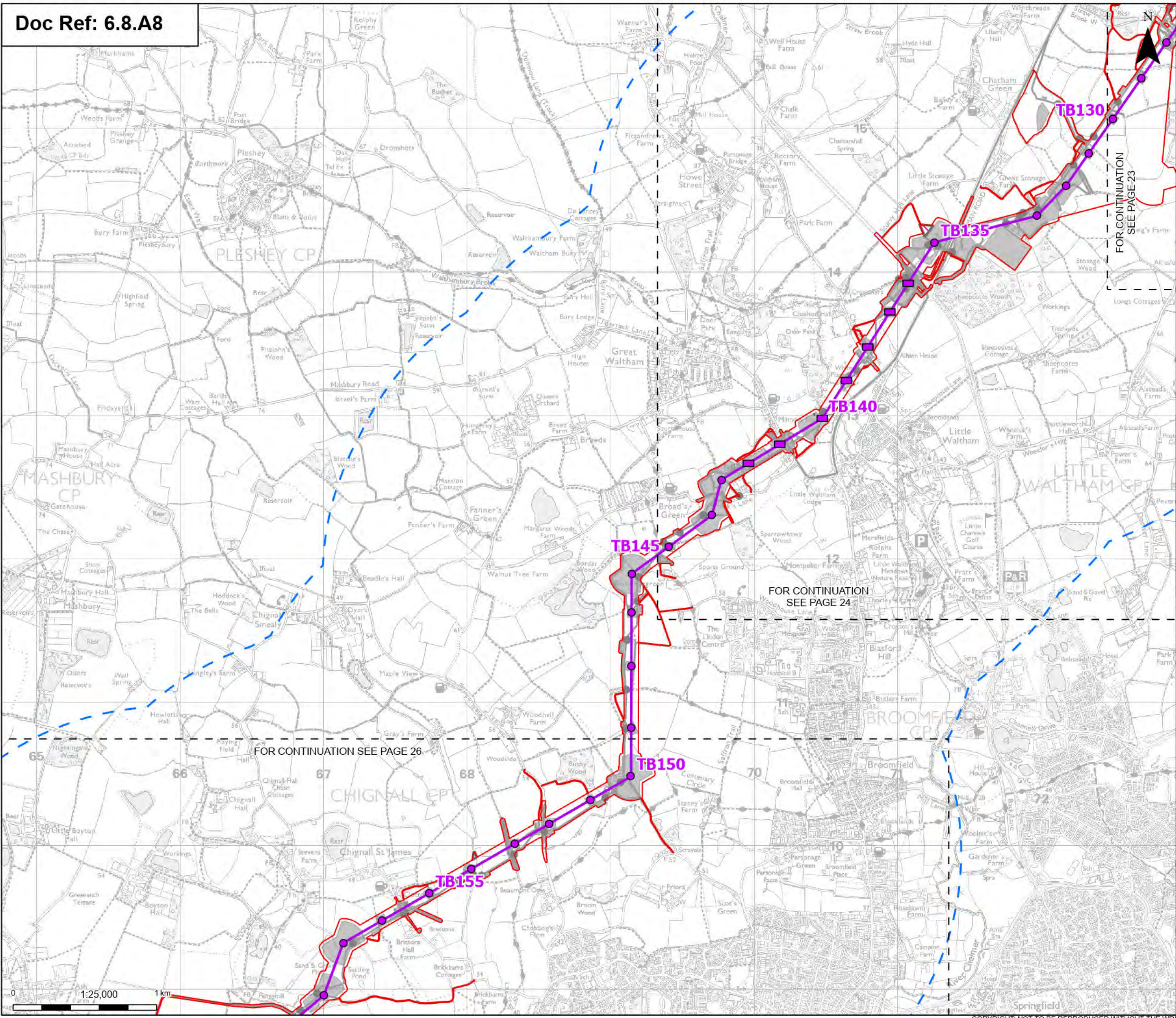
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Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area
Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Legend:
Black-necked grebe (BN)
Black-throated diver (BV)
Great northern diver (ND)
Red-necked grebe (RX)
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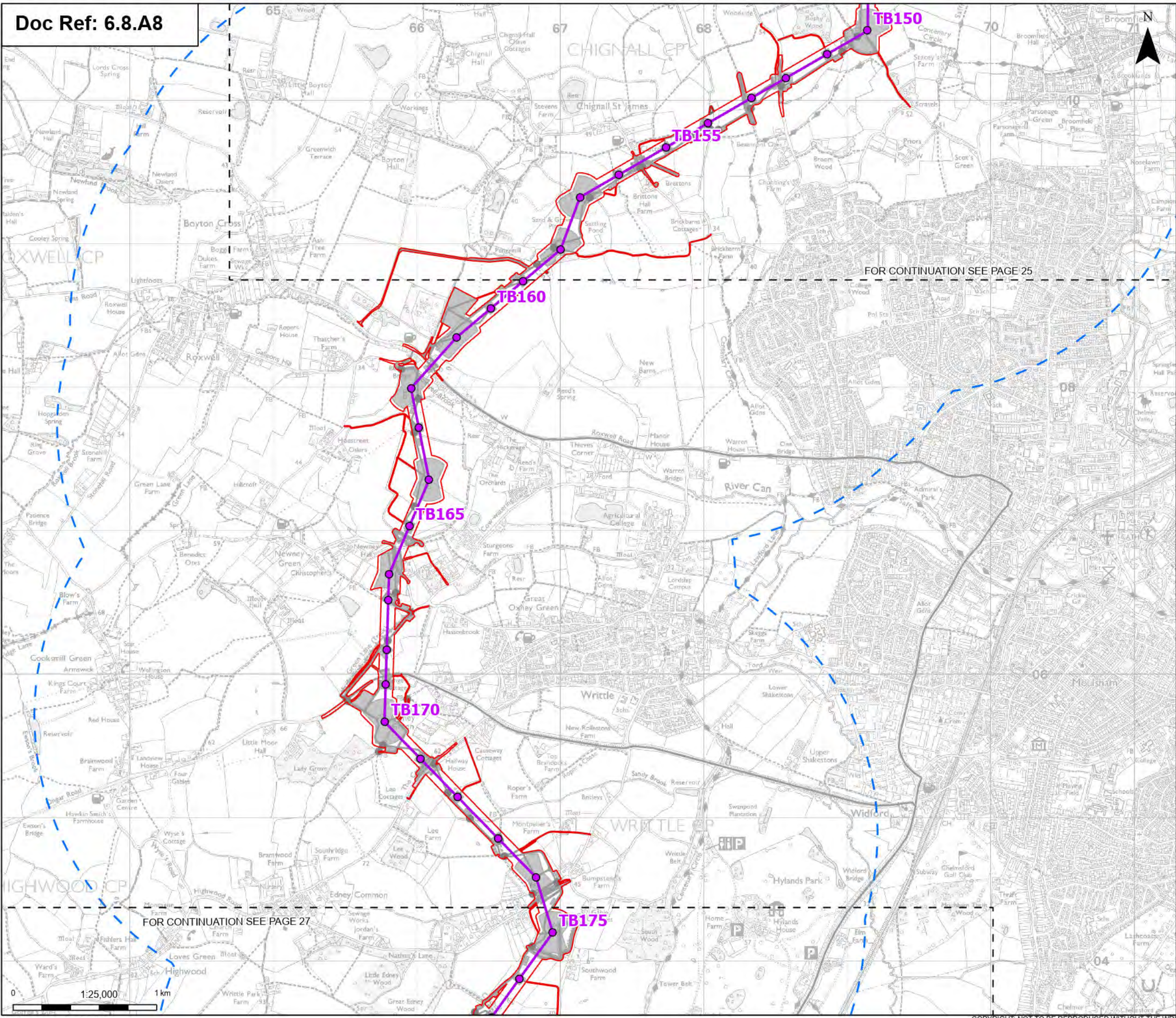
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Divers & Grebes (Desk Study Data 2013-2022)
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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

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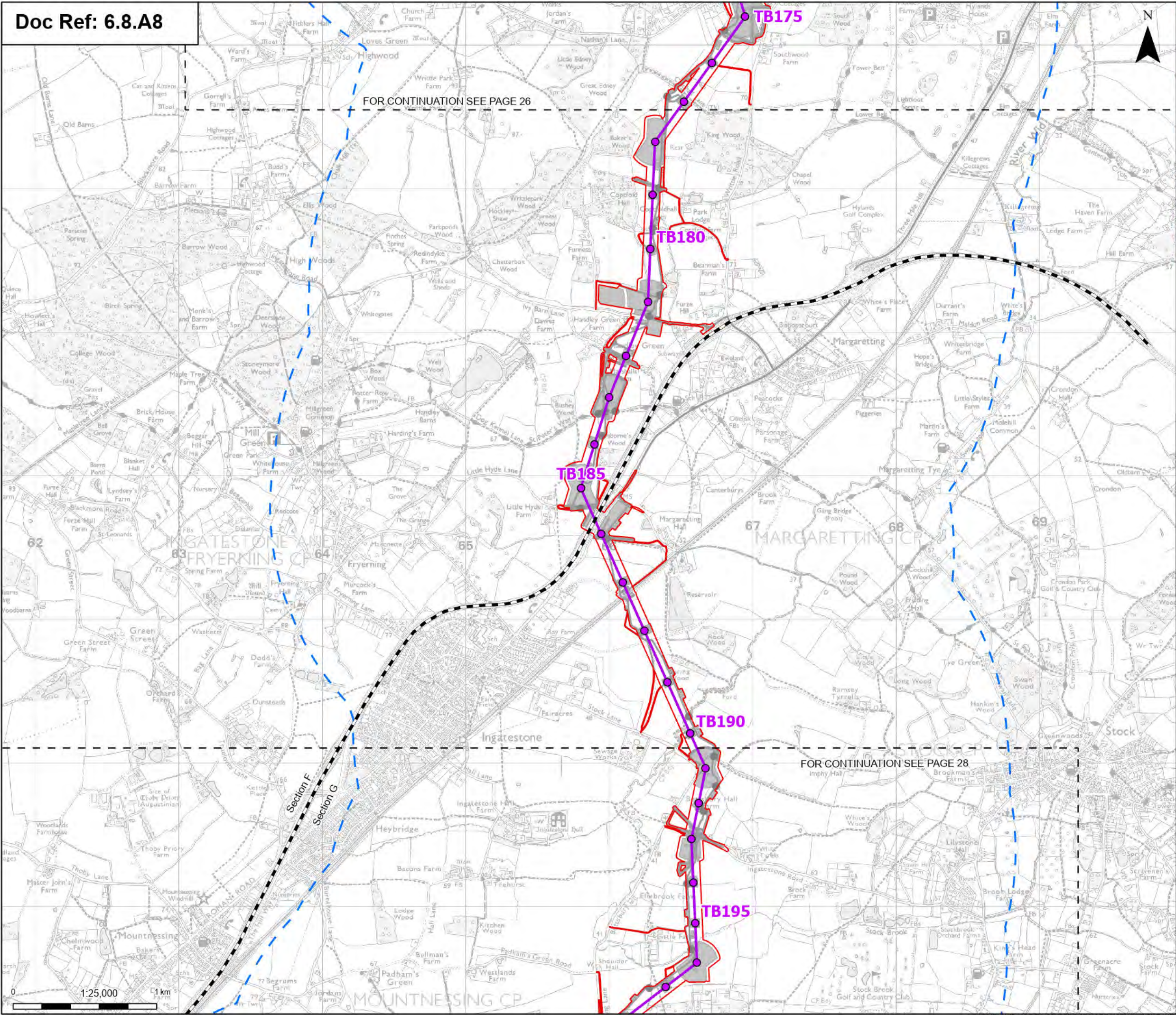
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Proposed project design details

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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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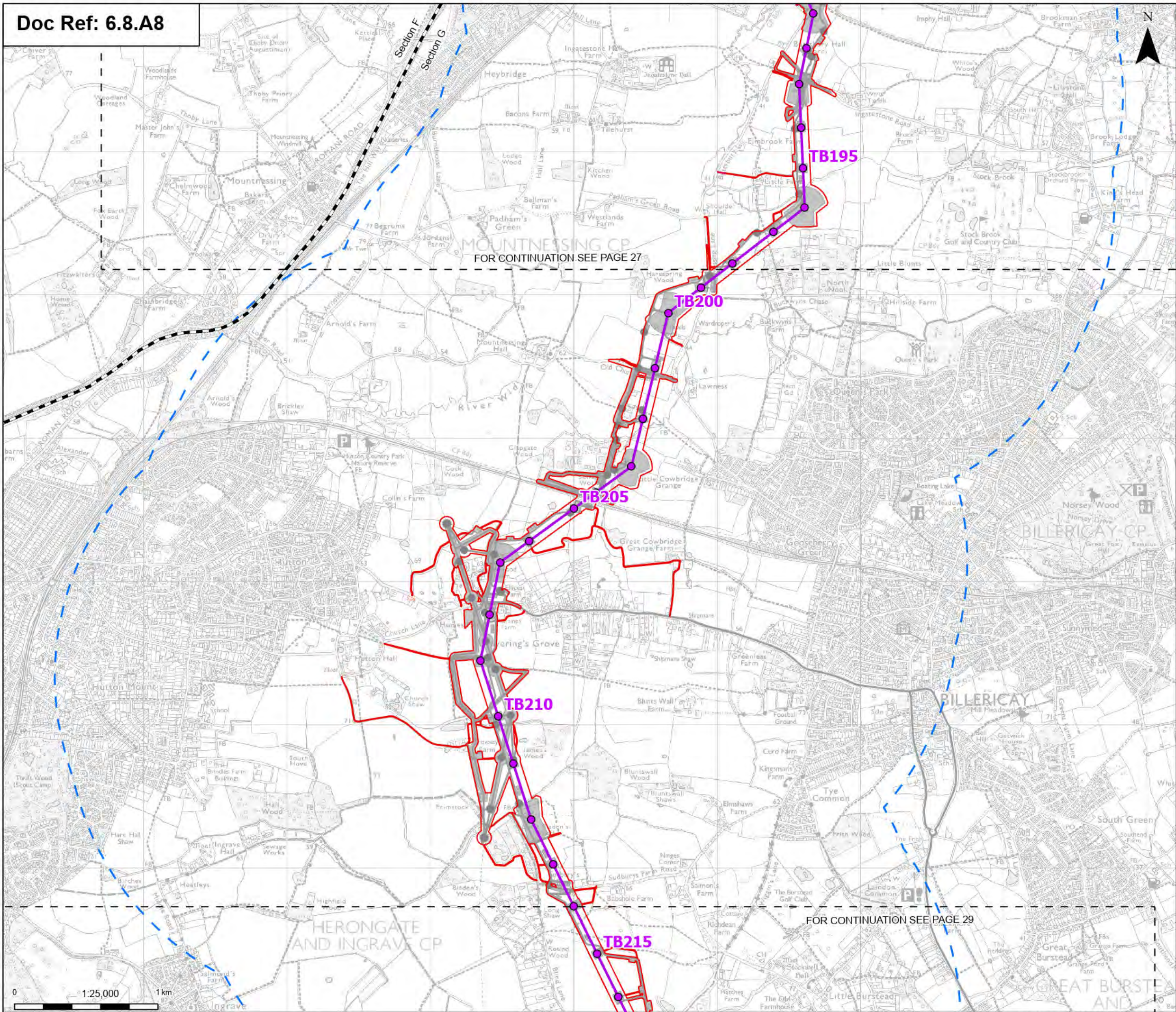
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Proposed project design details

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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

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Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Project section line

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Black-necked grebe (BN)

Black-throated diver (BV)

Great northern diver (ND)

Red-necked grebe (RX)

Red-throated diver (RH)

Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to
Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.7 - Ecology and Biodiversity
Collision Risk Target Species
Divers & Grebes (Desk Study Data 2013-2022)
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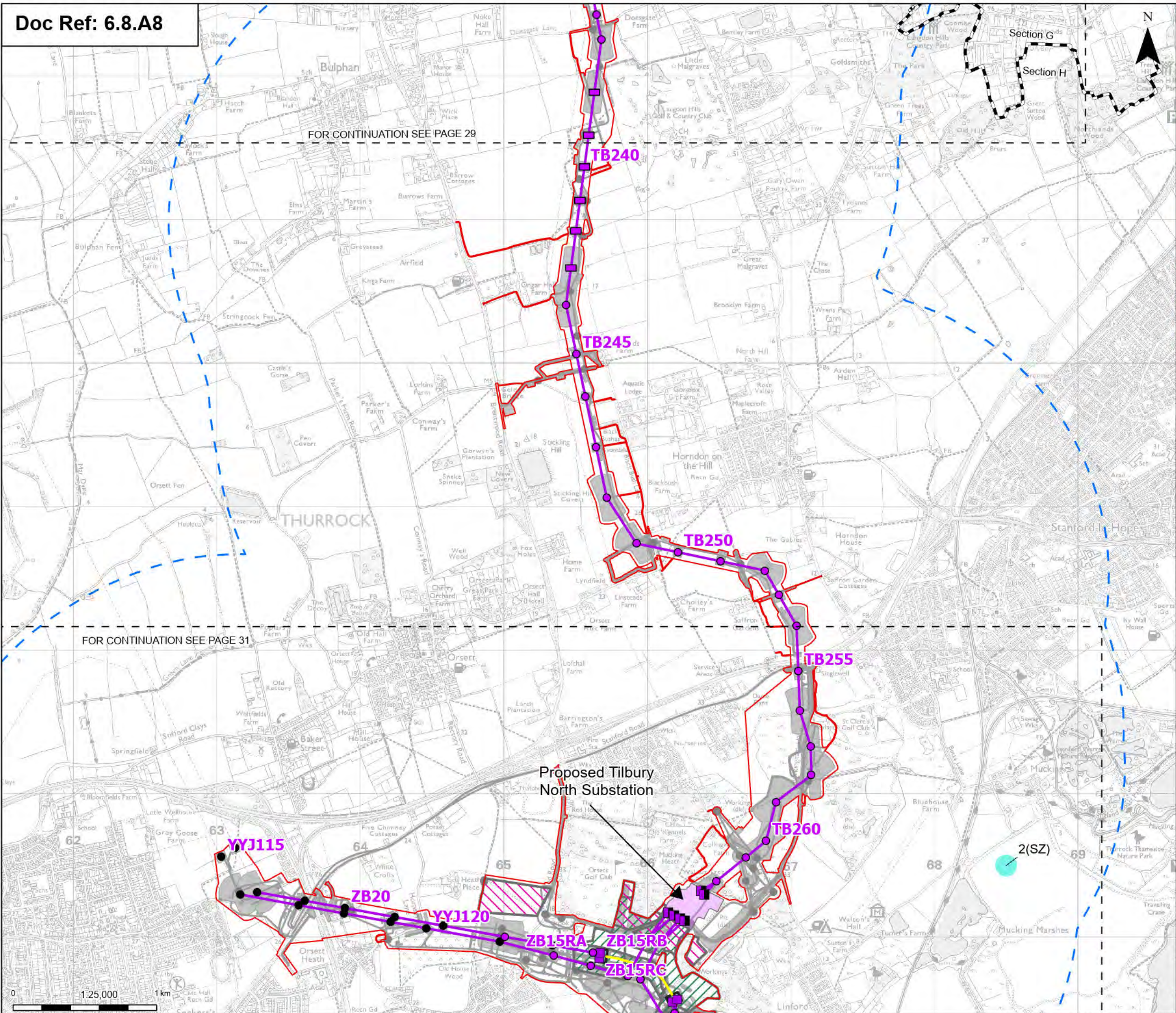
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Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

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Order limits

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Proposed project design details

- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed low height pylon location
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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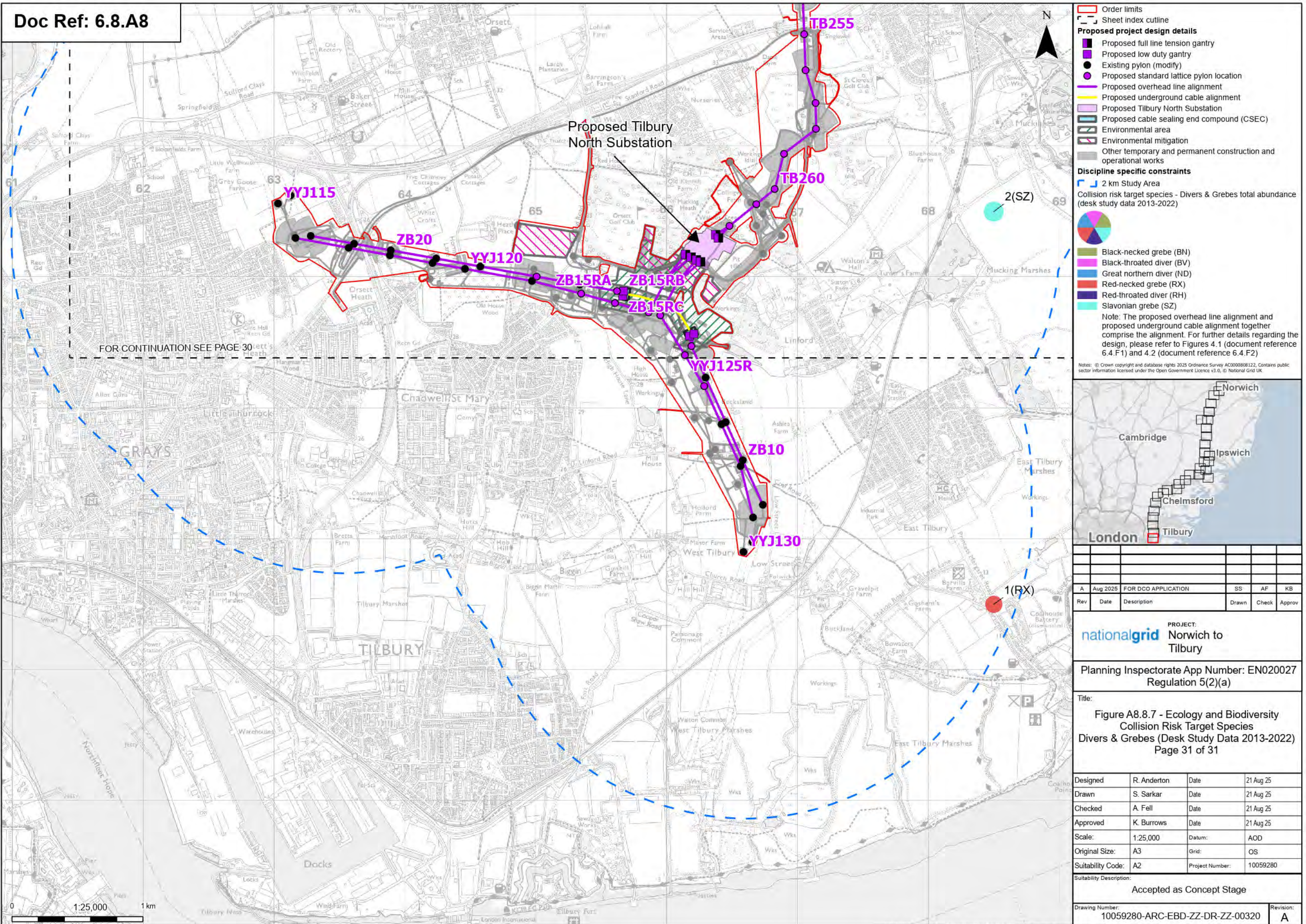
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Proposed project design details

- Proposed full line tension gantry
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Divers & Grebes total abundance (desk study data 2013-2022)

- Black-necked grebe (BN)
- Black-throated diver (BV)
- Great northern diver (ND)
- Red-necked grebe (RX)
- Red-throated diver (RH)
- Slavonian grebe (SZ)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)



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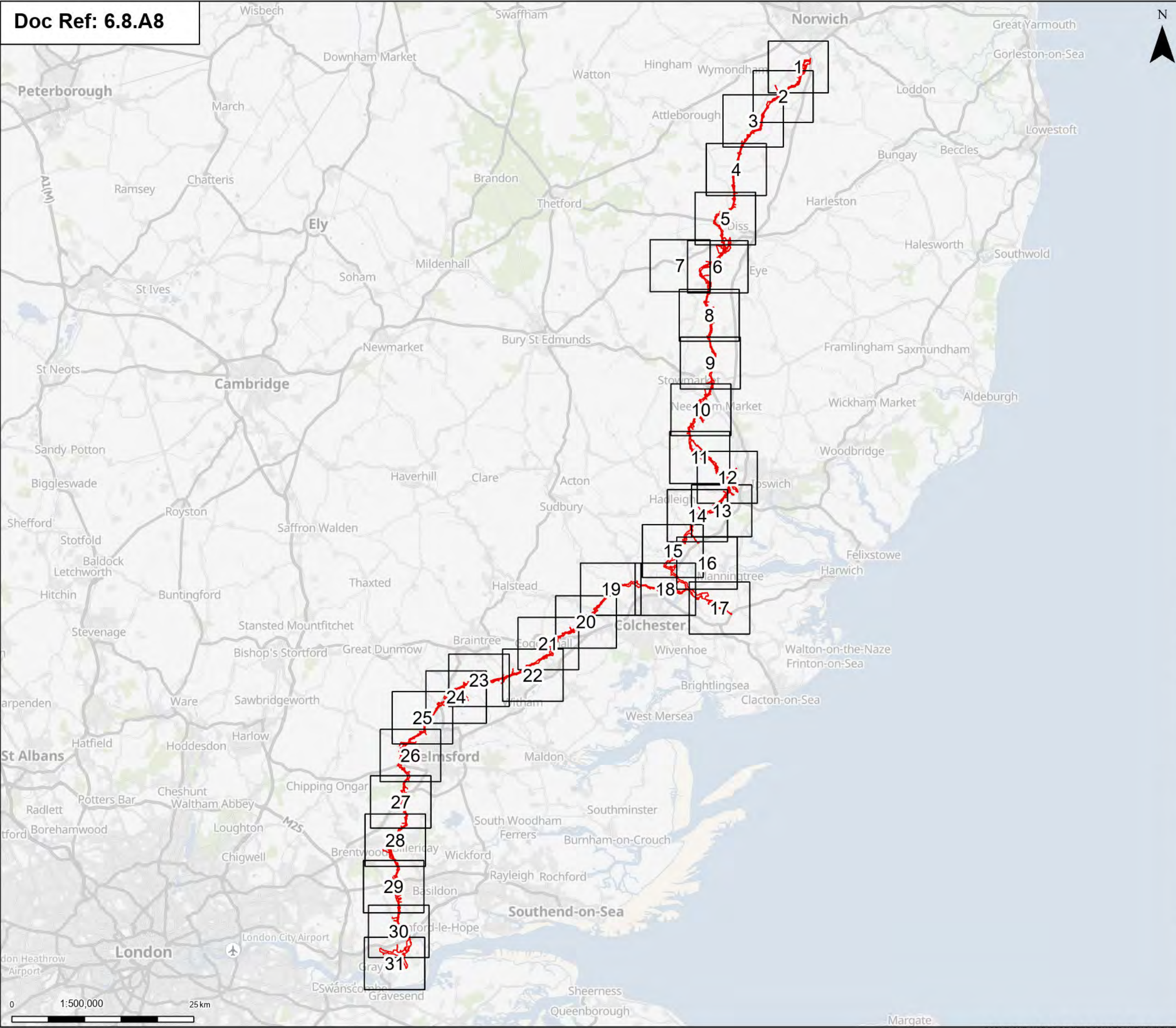
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Regulation 5(2)(a)

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Figure A8.8.7 - Ecology and Biodiversity
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Suitability Code:	A2	Project Number:	10059280

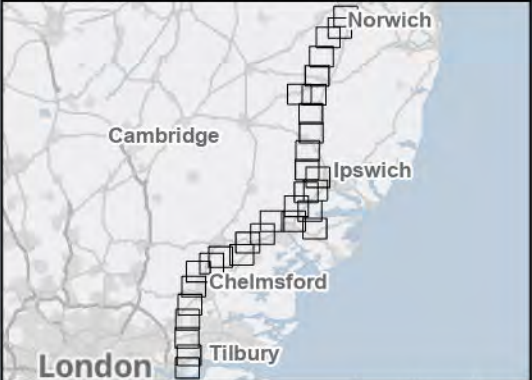
Suitability Description:
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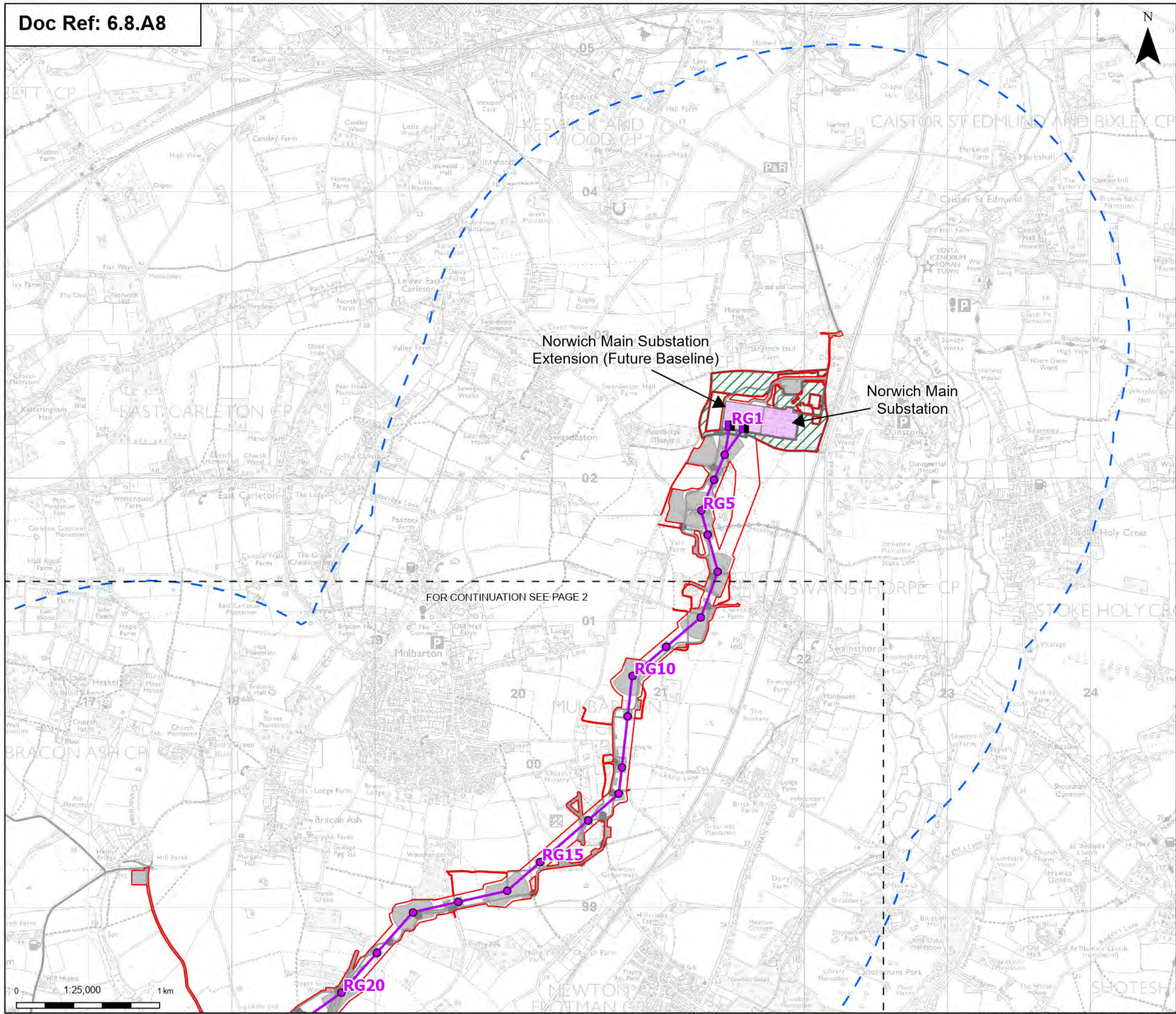
Planning Inspectorate App Number: EN020027
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Title:
Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
Overview

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Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

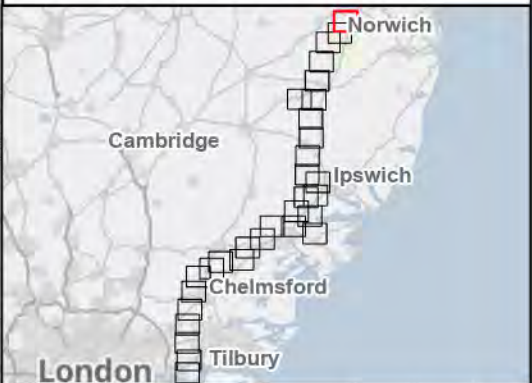
Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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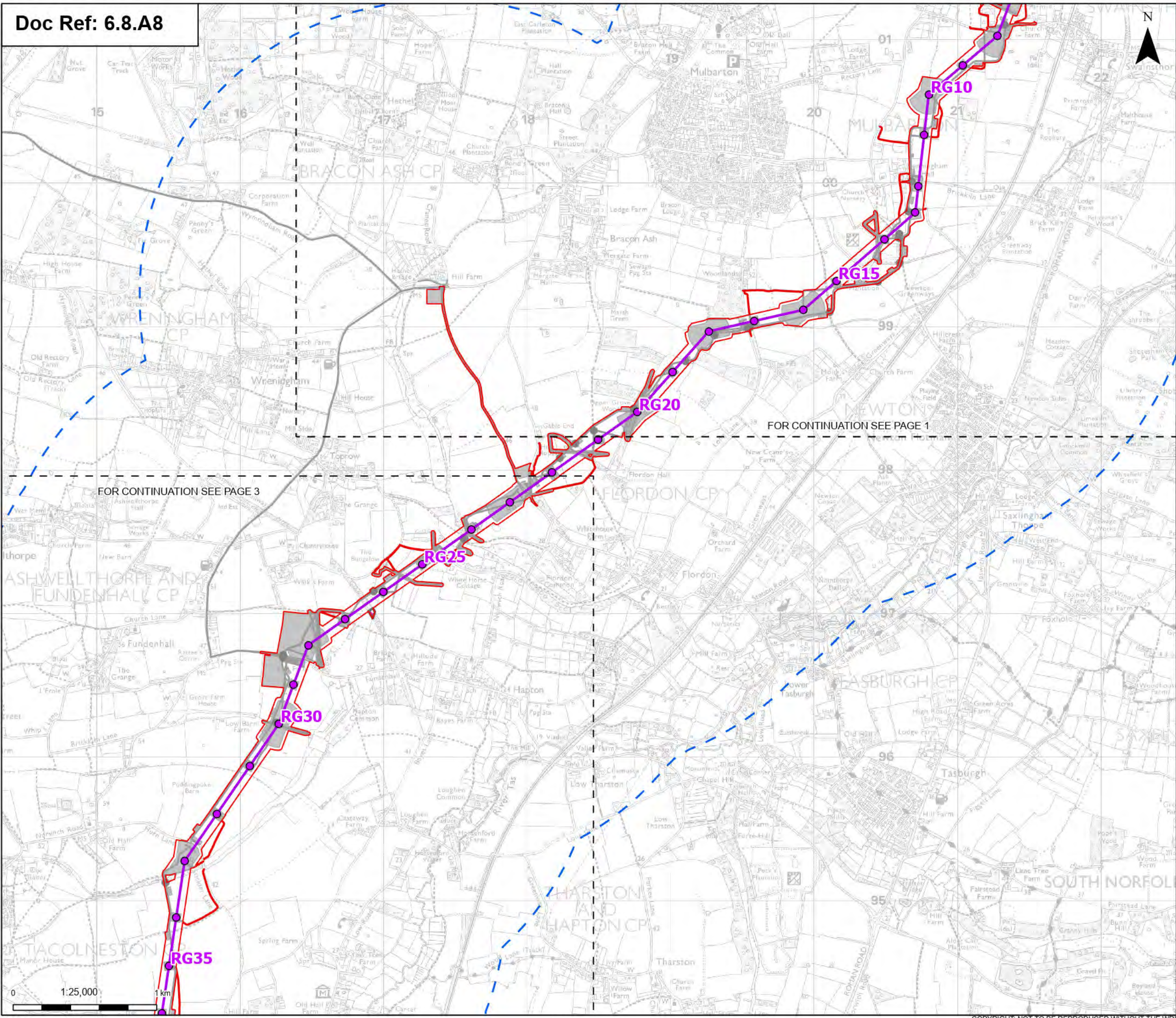
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Title:
Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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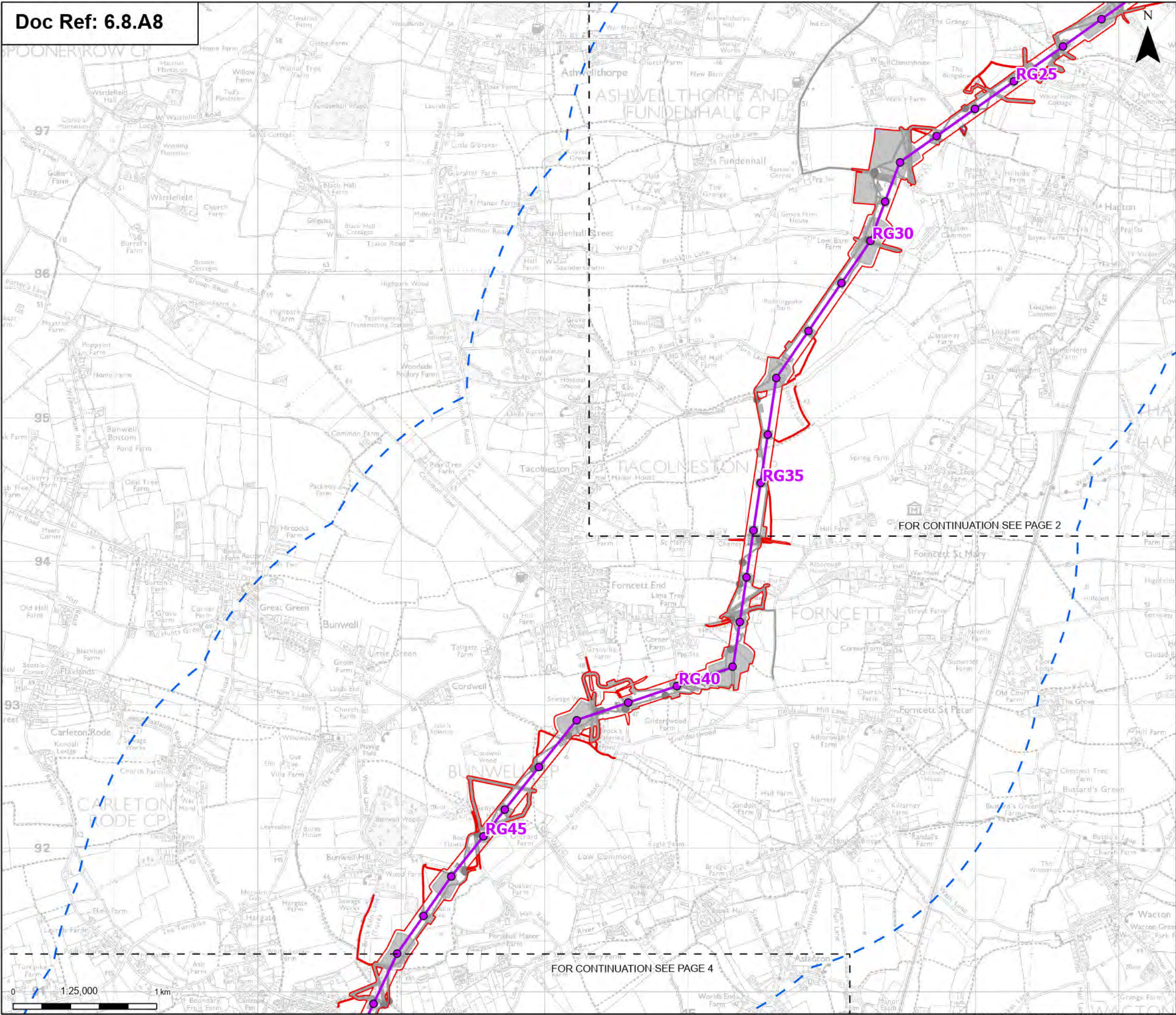
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Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

2 km Study Area

Discipline specific constraints

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

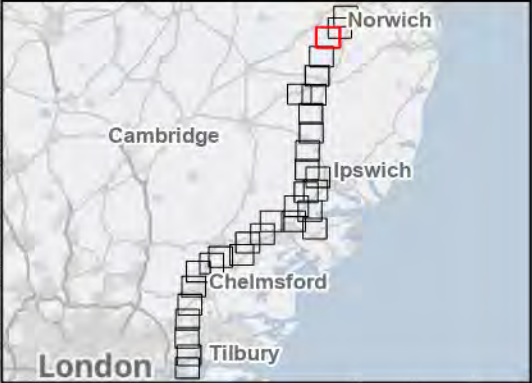
Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approv
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PROJECT:
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Planning Inspectorate App Number: EN020027
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Title:
**Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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Other temporary and permanent construction and operational works

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2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
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Title:
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Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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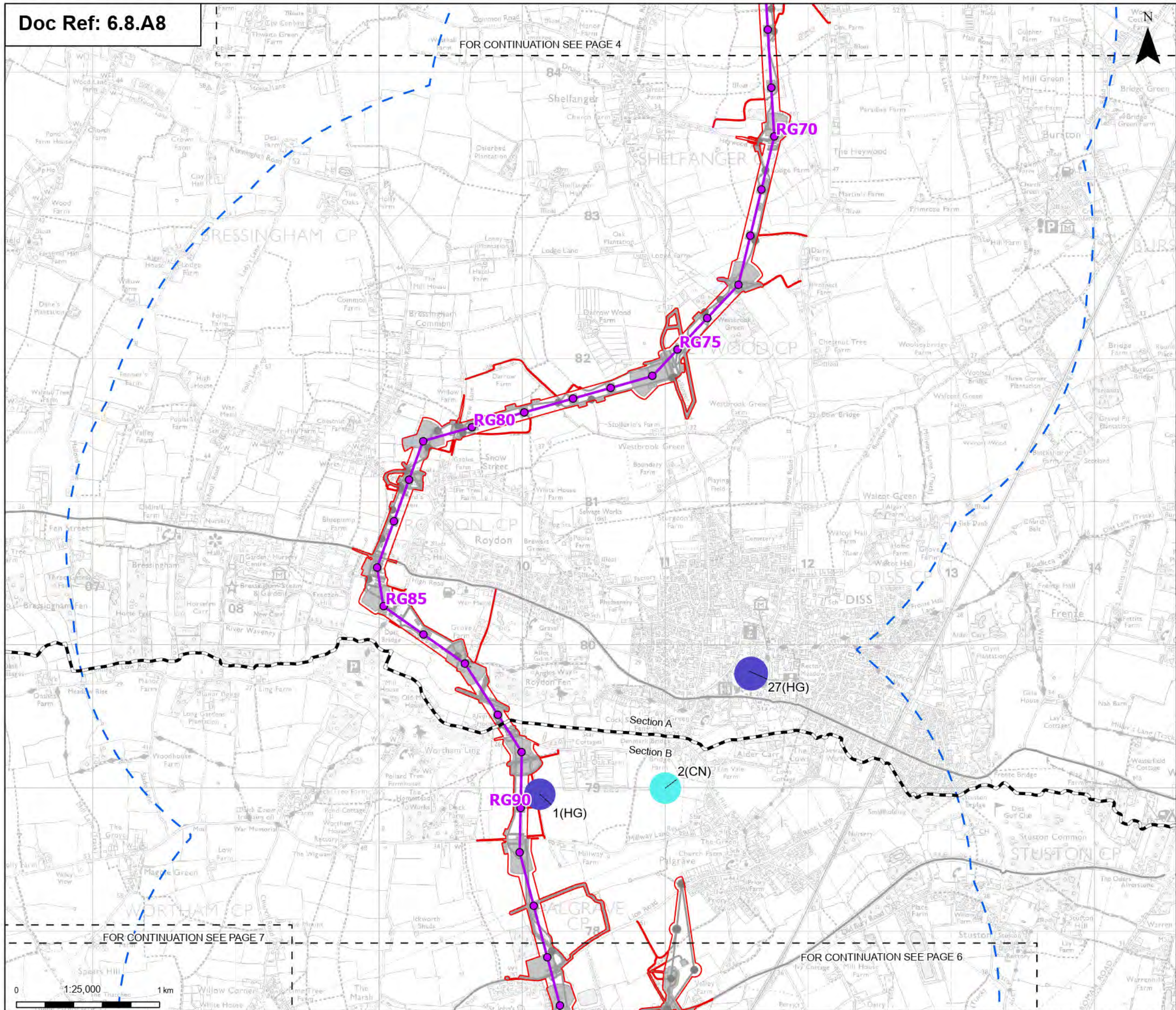
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2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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2 km Study Area

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

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Little gull (LU)

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Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Title:
Figure A8.8.8 - Ecology and Biodiversity
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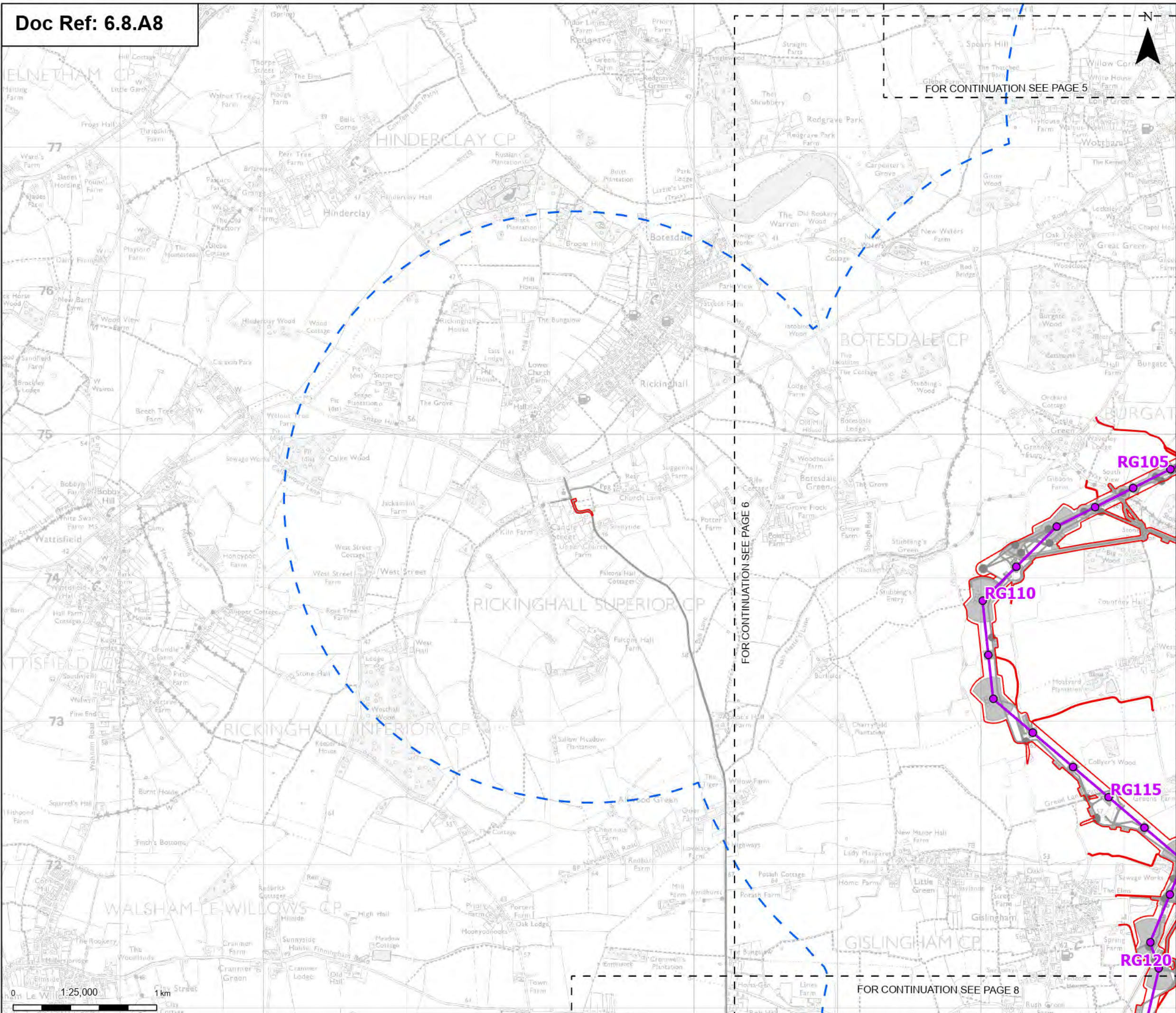
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Proposed standard lattice pylon location
Proposed overhead line alignment
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Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
- Little gull (LU)
- Little tern (AF)
- Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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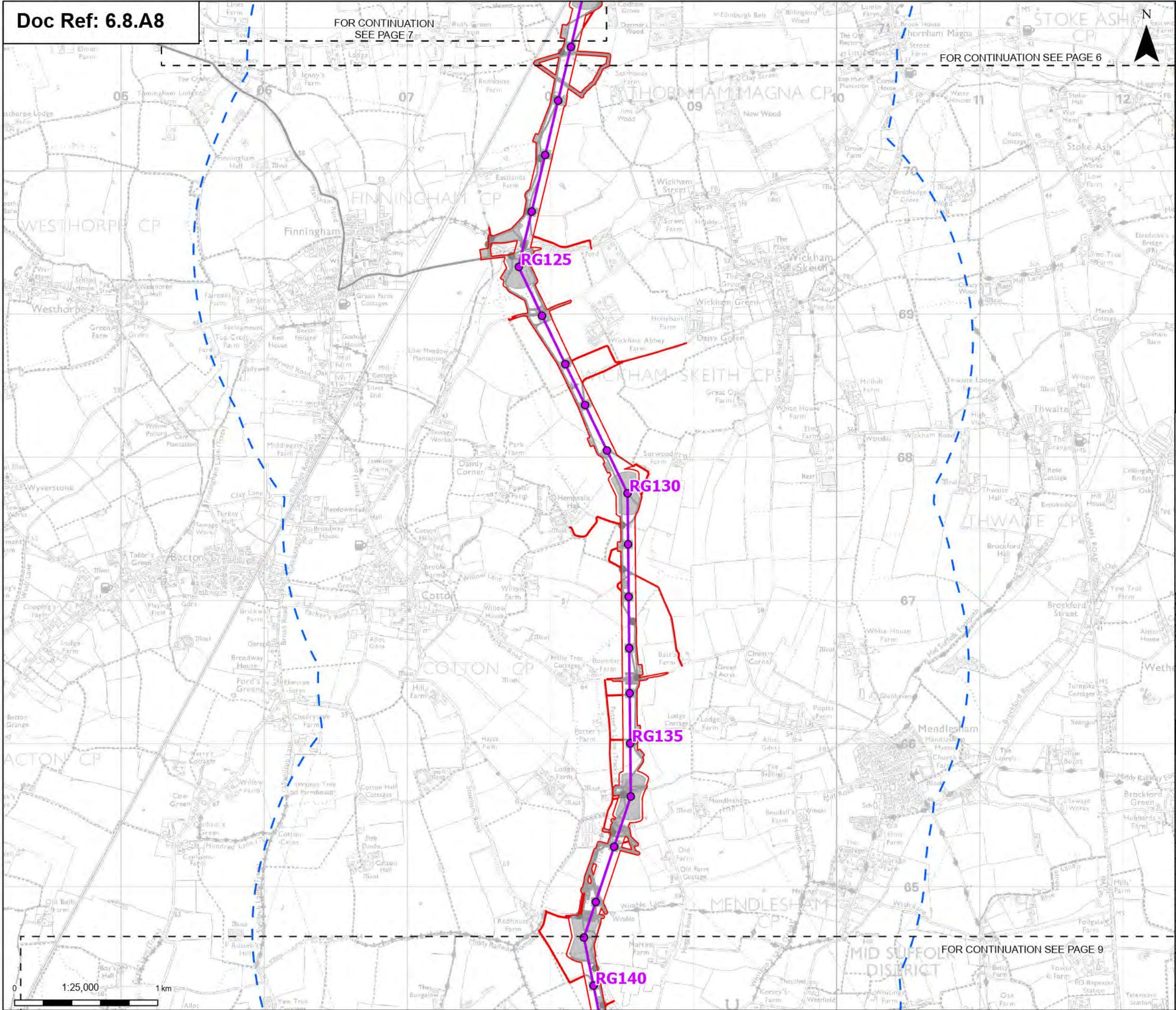
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Title:
Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
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Proposed standard lattice pylon location

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2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
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Gulls & Terns (Desk Study Data 2013-2022)
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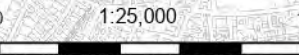
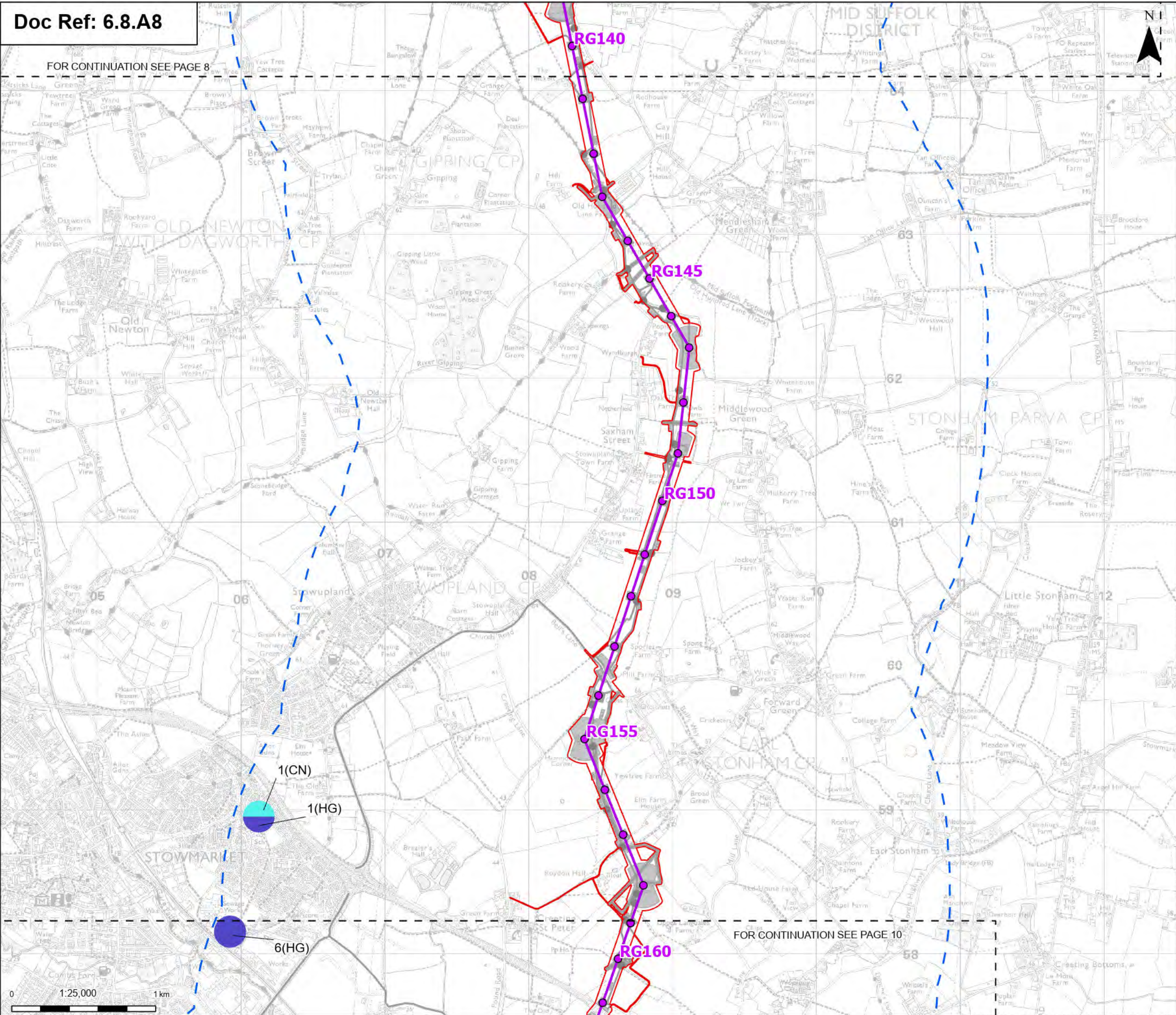
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

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Discipline specific constraints

2 km Study Area

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

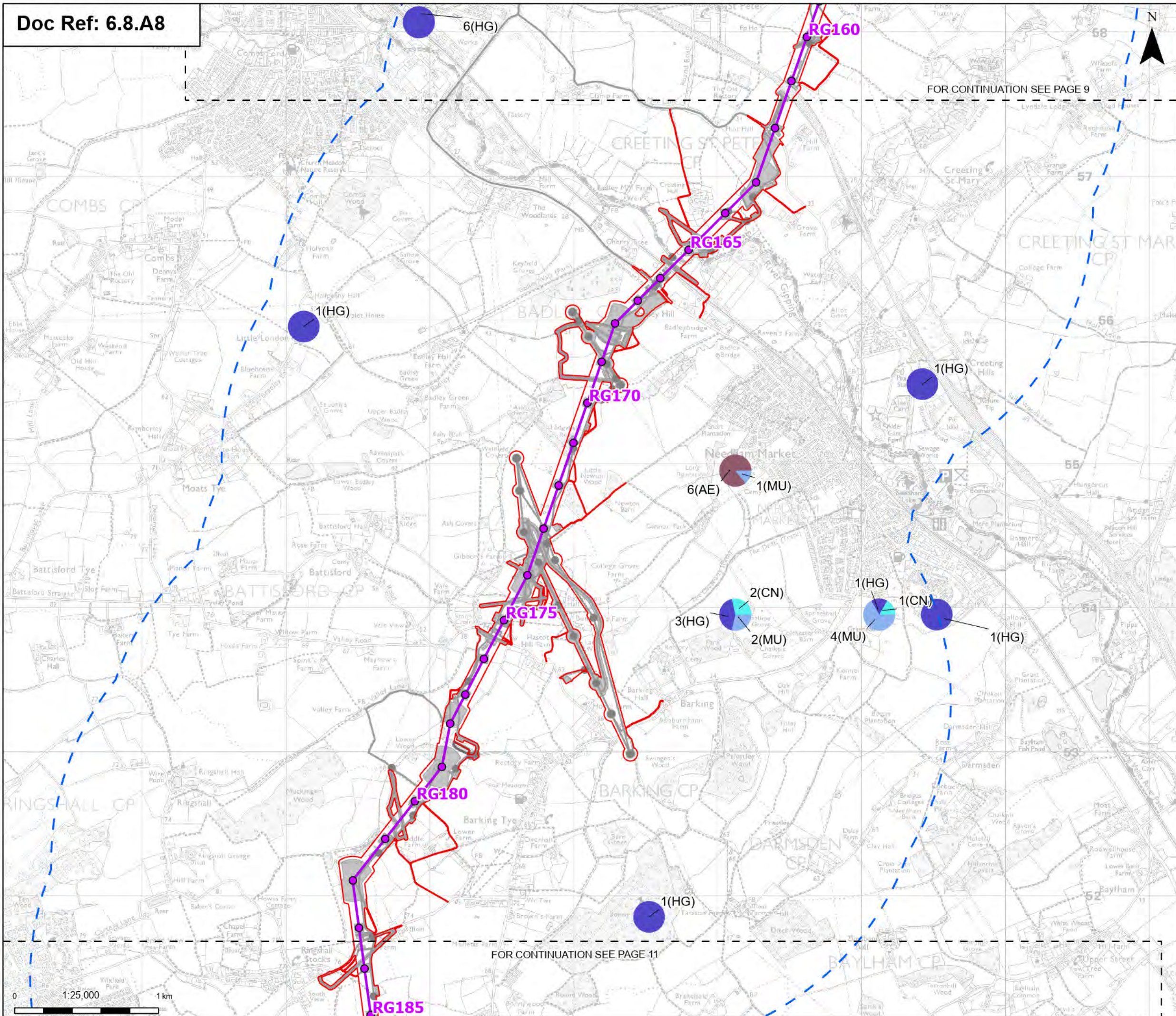
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Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00321	Revision: A
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Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
- Little gull (LU)
- Little tern (AF)
- Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to Tilbury

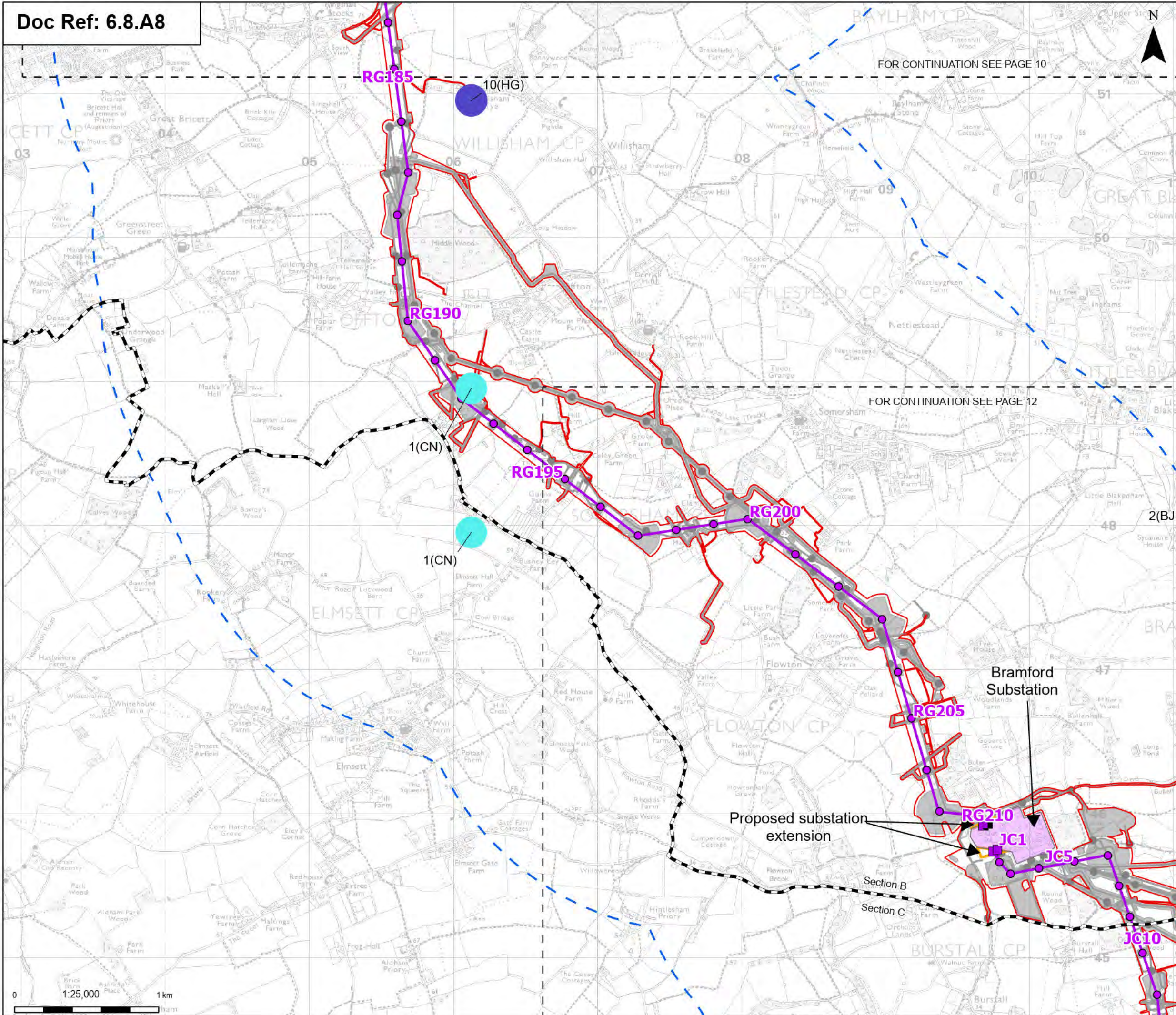
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Regulation 5(2)(a)

Title:
Figure A8.8.8 - Ecology and Biodiversity
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Suitability Code:	A2	Project Number:	10059280

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- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Bramford Substation
- Bramford Substation Extension
- Other temporary and permanent construction and operational works

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
- Little gull (LU)
- Little tern (AF)
- Mediterranean gull (MU)

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Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

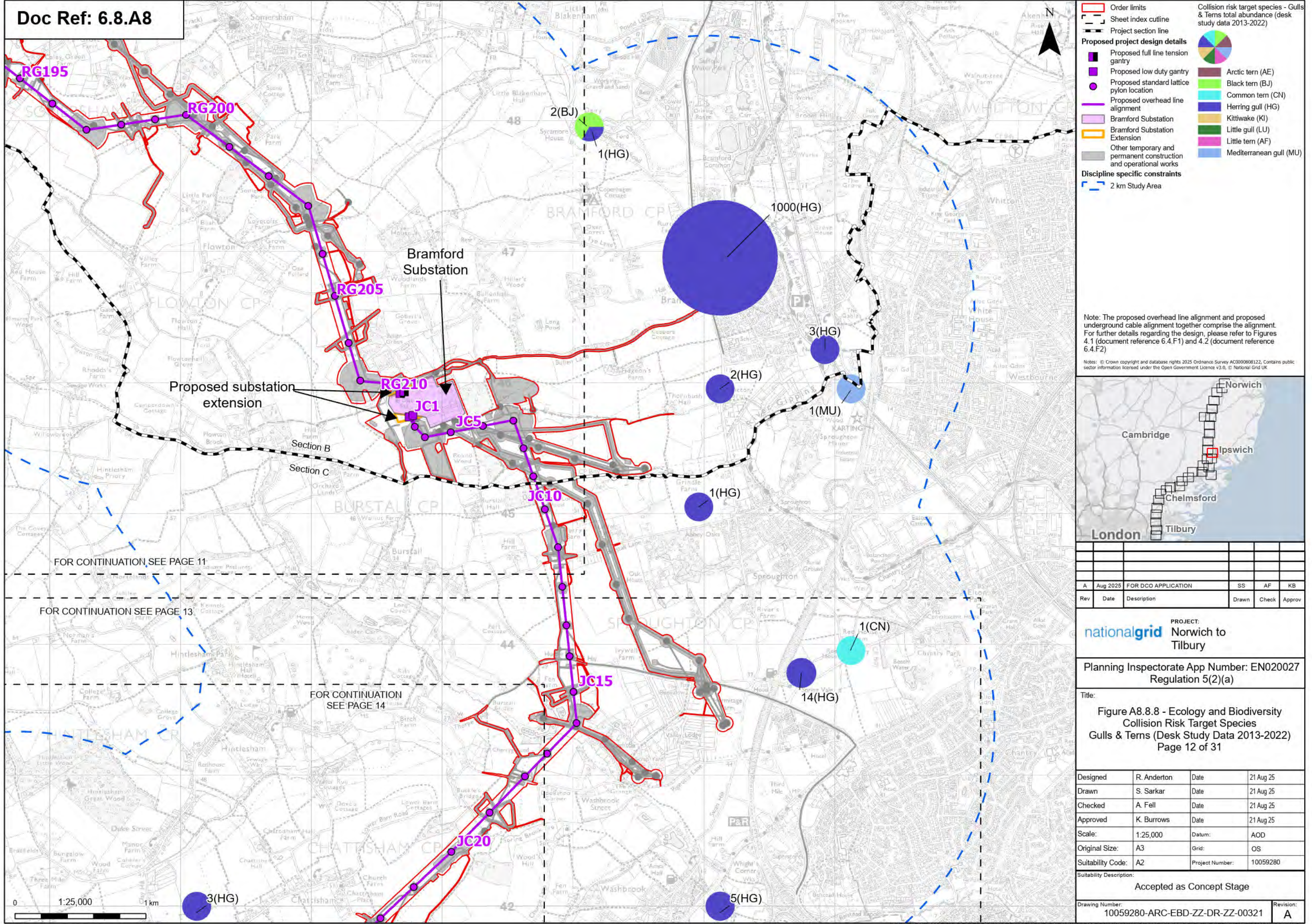
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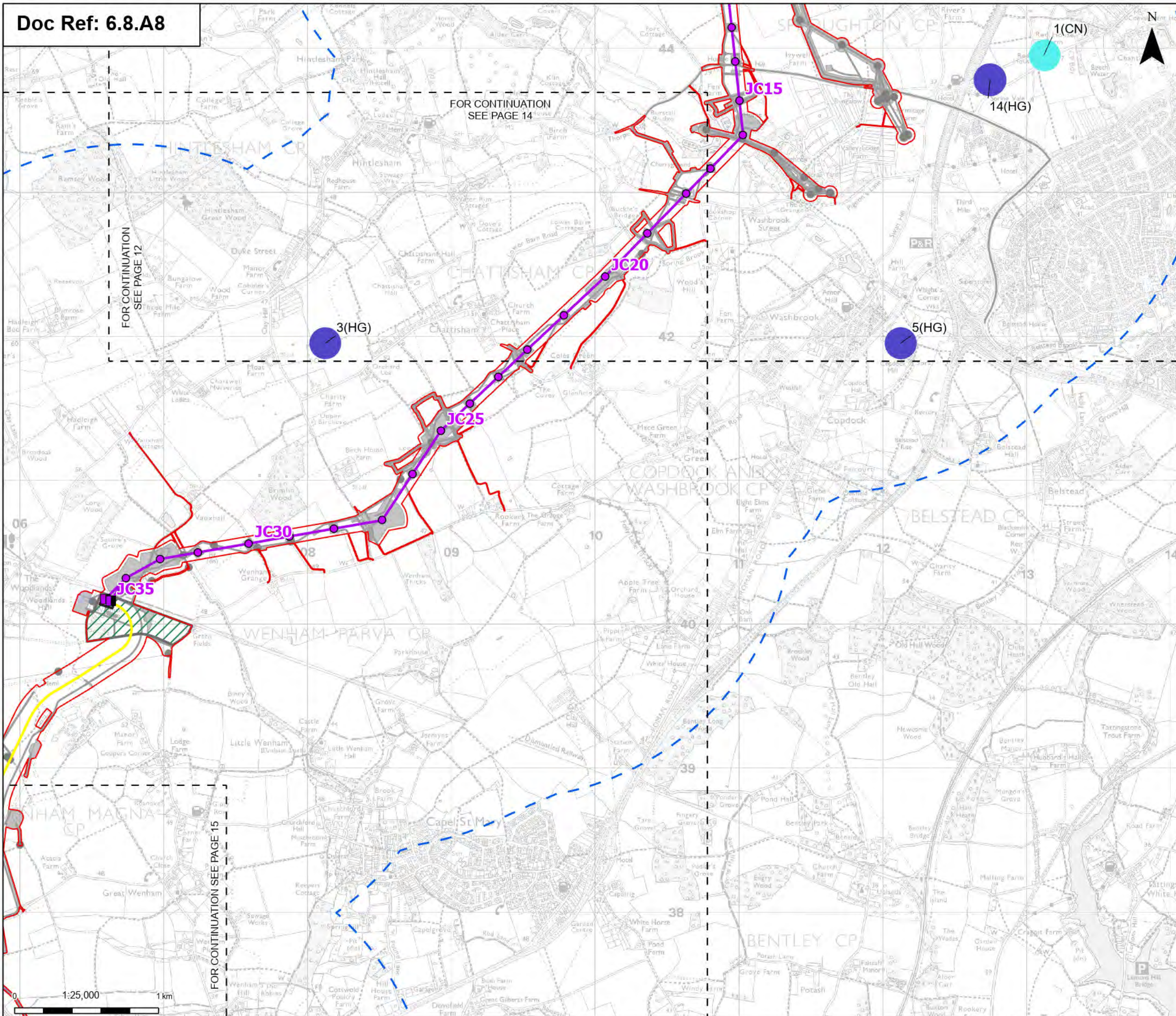
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Suitability Description:

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Proposed project design details

- Proposed full line tension gantry
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- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
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- Little tern (AF)
- Mediterranean gull (MU)

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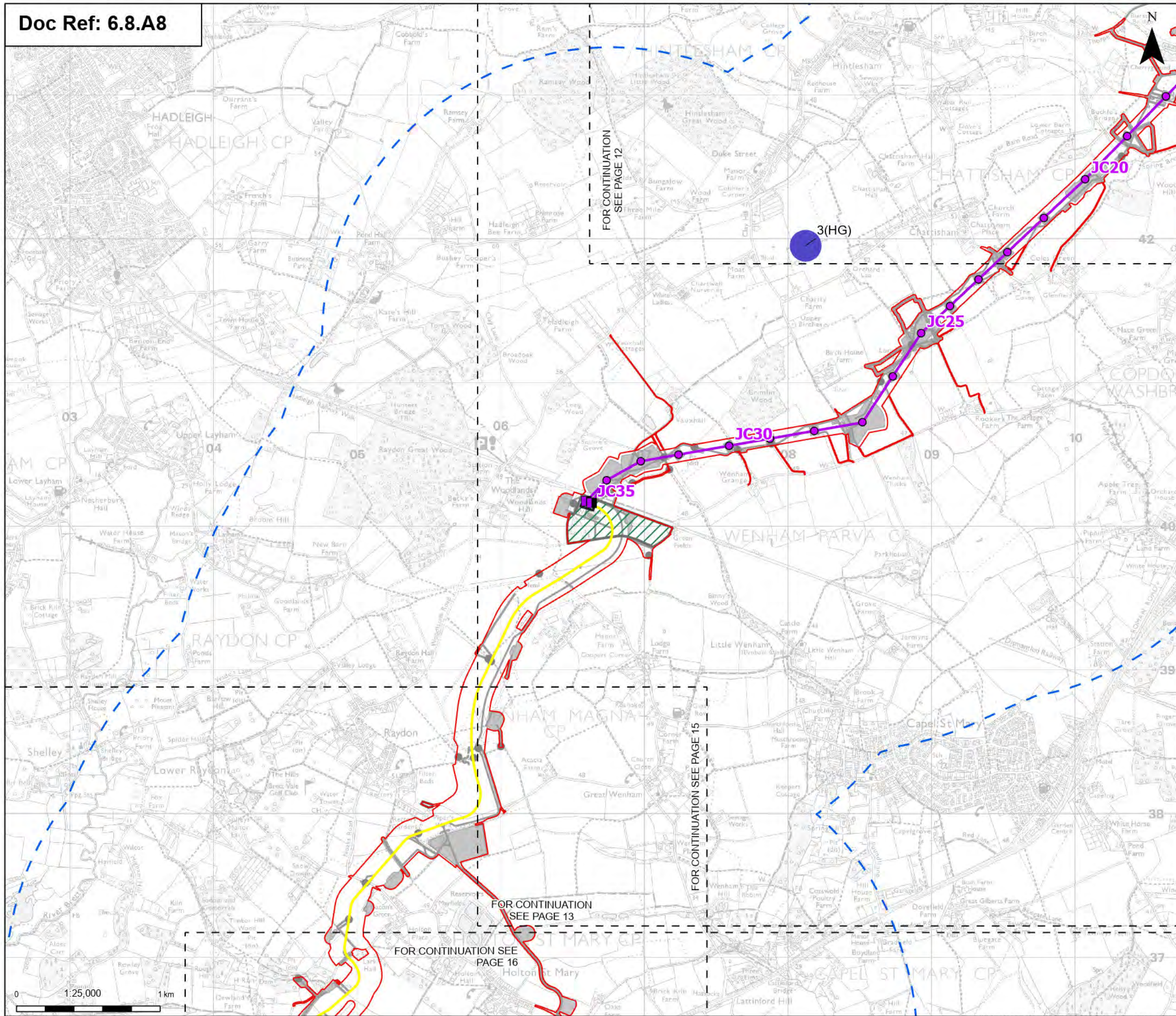
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Regulation 5(2)(a)

Title:
Figure A8.8.8 - Ecology and Biodiversity
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Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
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- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
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- Little tern (AF)
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Planning Inspectorate App Number: EN020027
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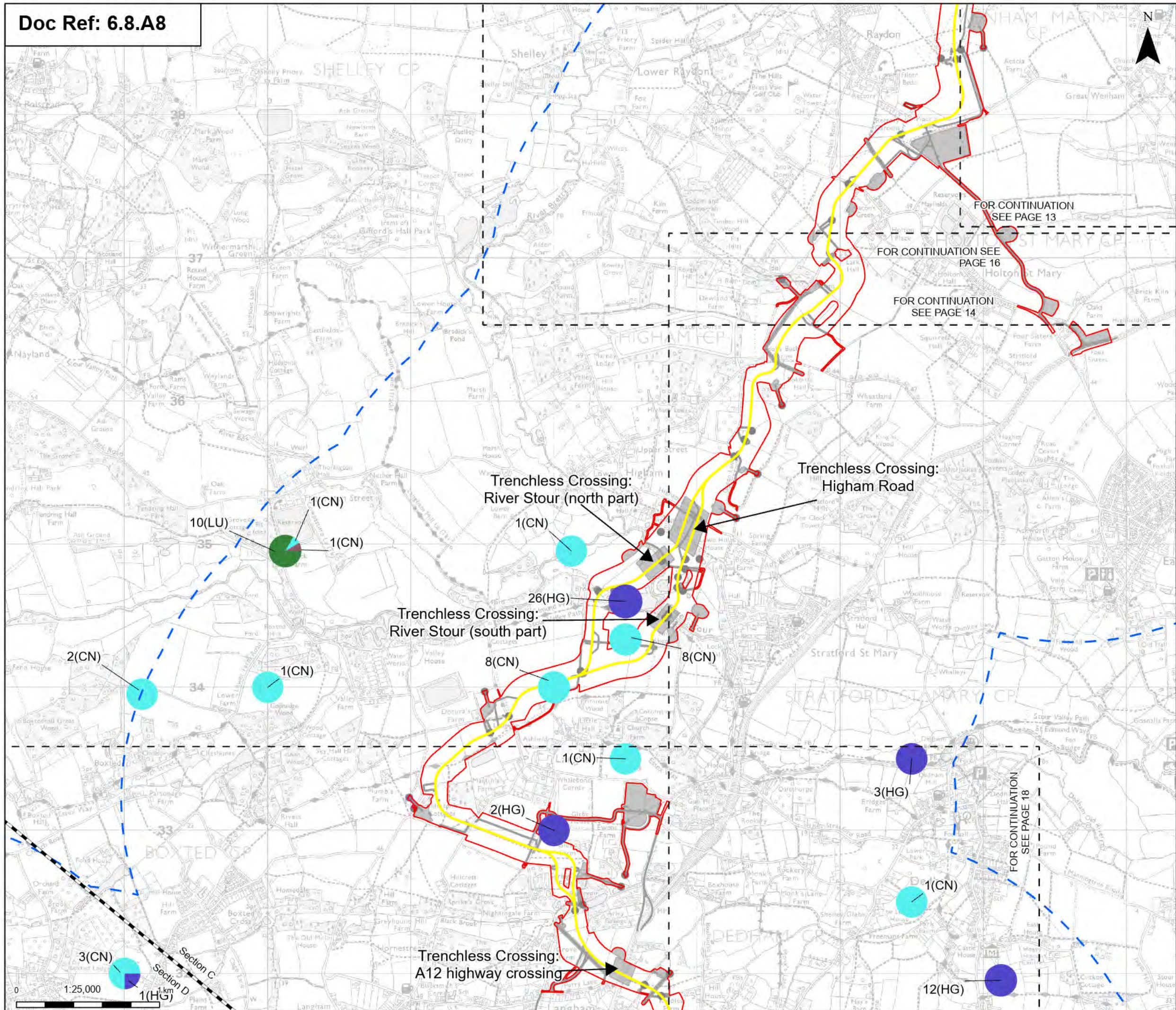
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Gulls & Terns (Desk Study Data 2013-2022)
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Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
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- Common tern (CN)
- Herring gull (HG)
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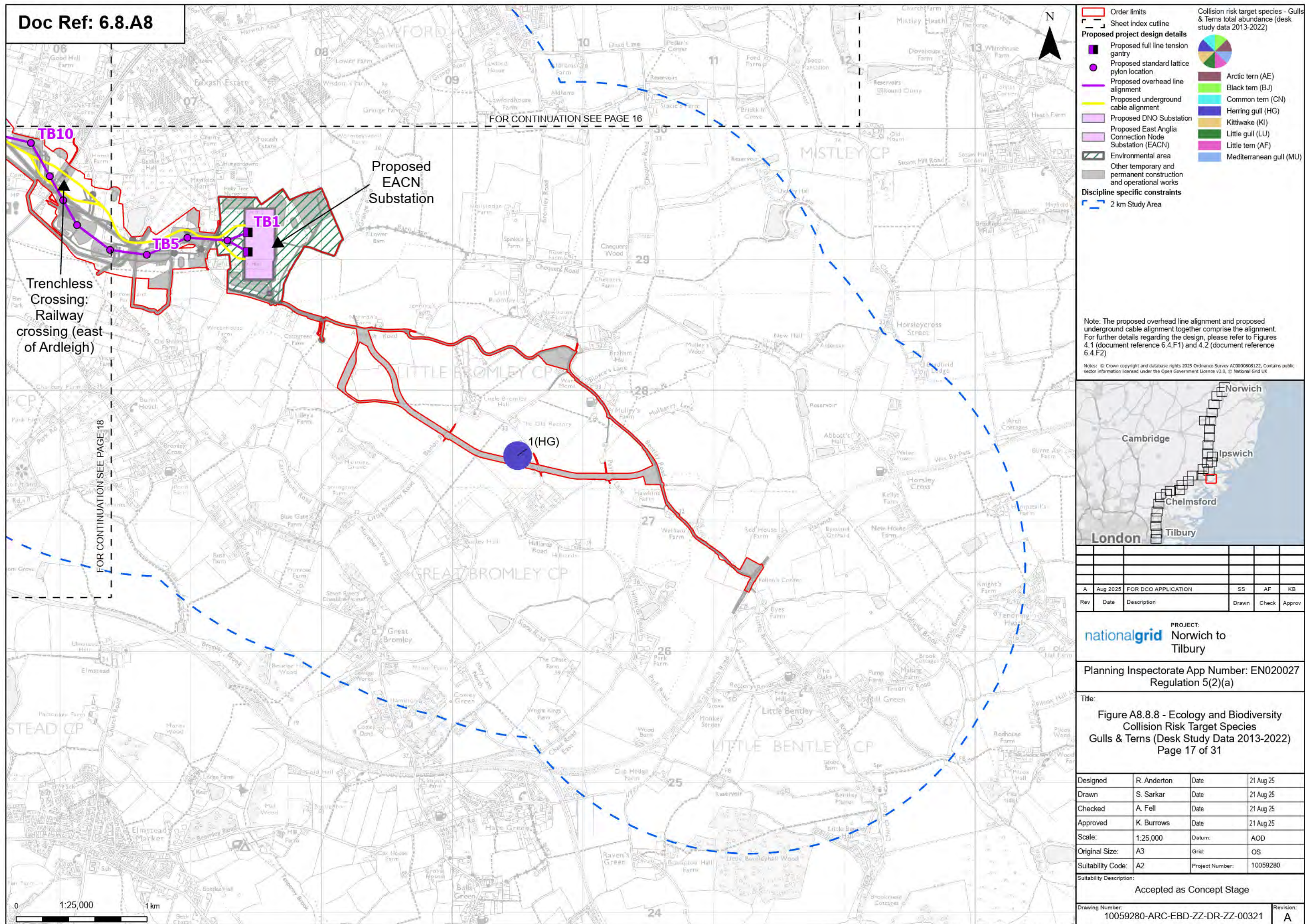
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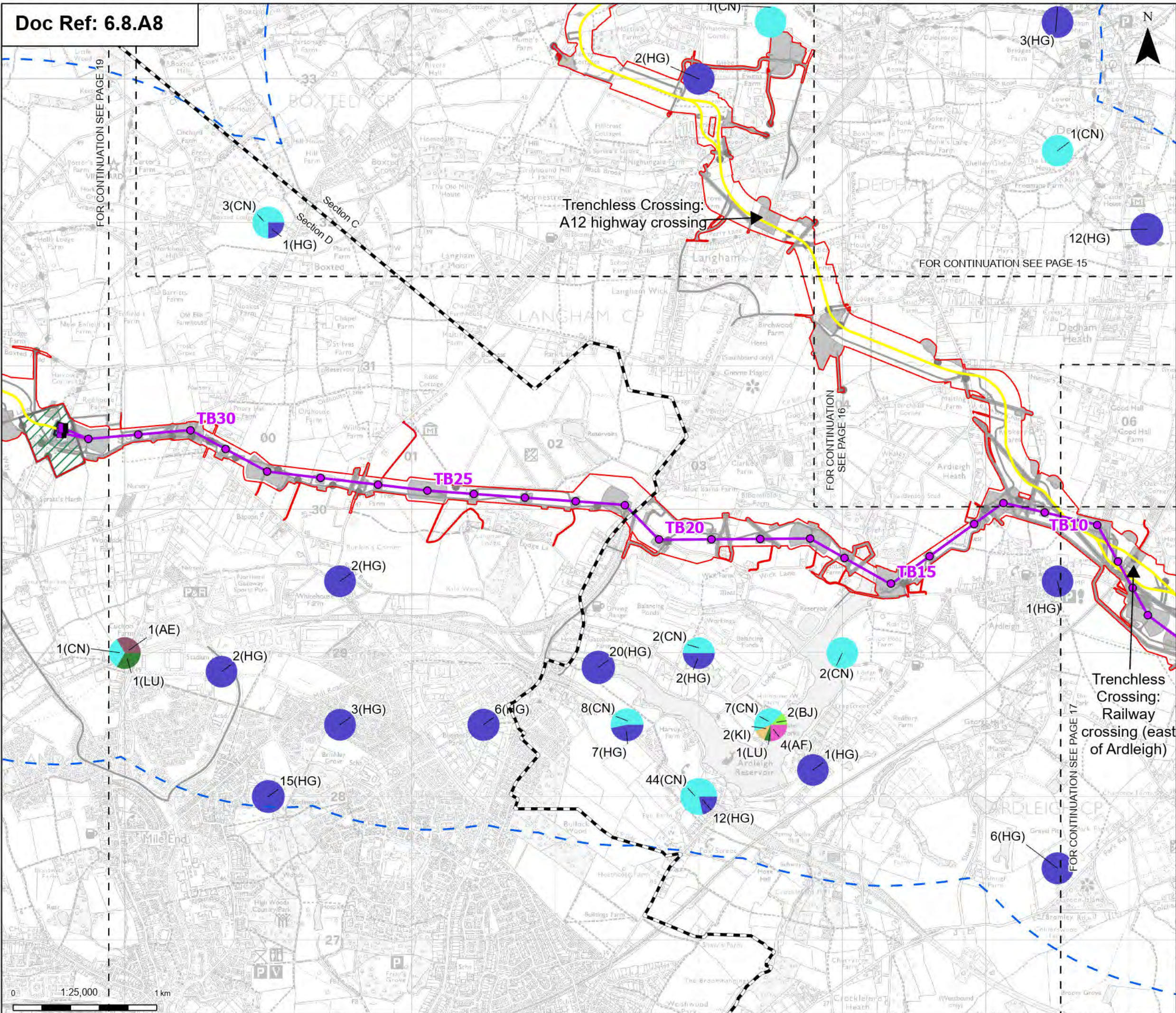
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00321
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Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end compound (CSEC)
Environmental area
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
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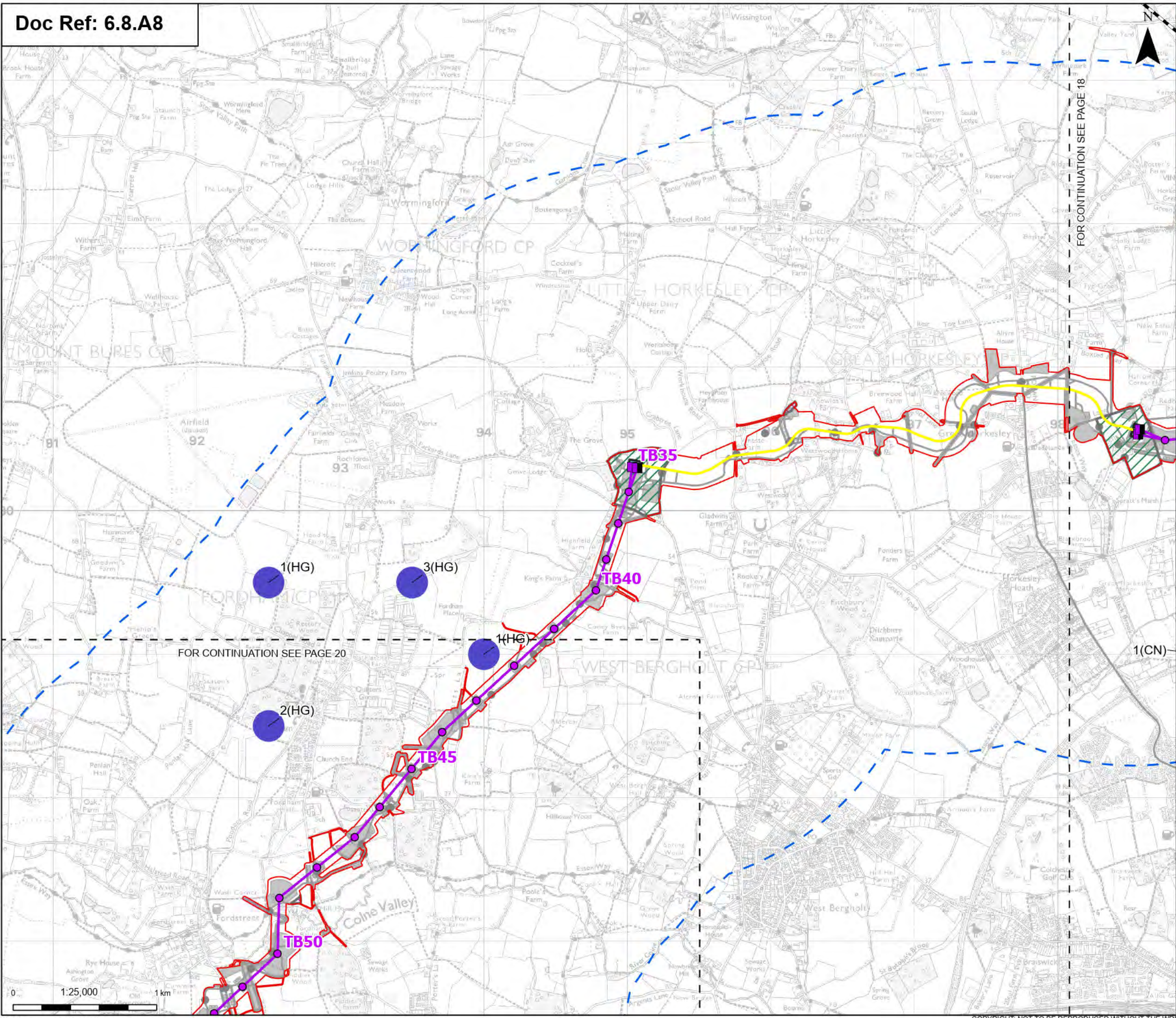
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Title: **Figure A8.8.8 - Ecology and Biodiversity Collision Risk Target Species Gulls & Terns (Desk Study Data 2013-2022) Page 18 of 31**

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Drawn	S. Sarkar	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: **Accepted as Concept Stage**

Drawing Number: **10059280-ARC-EBD-ZZ-DR-ZZ-00321** Revision: **A**



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Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
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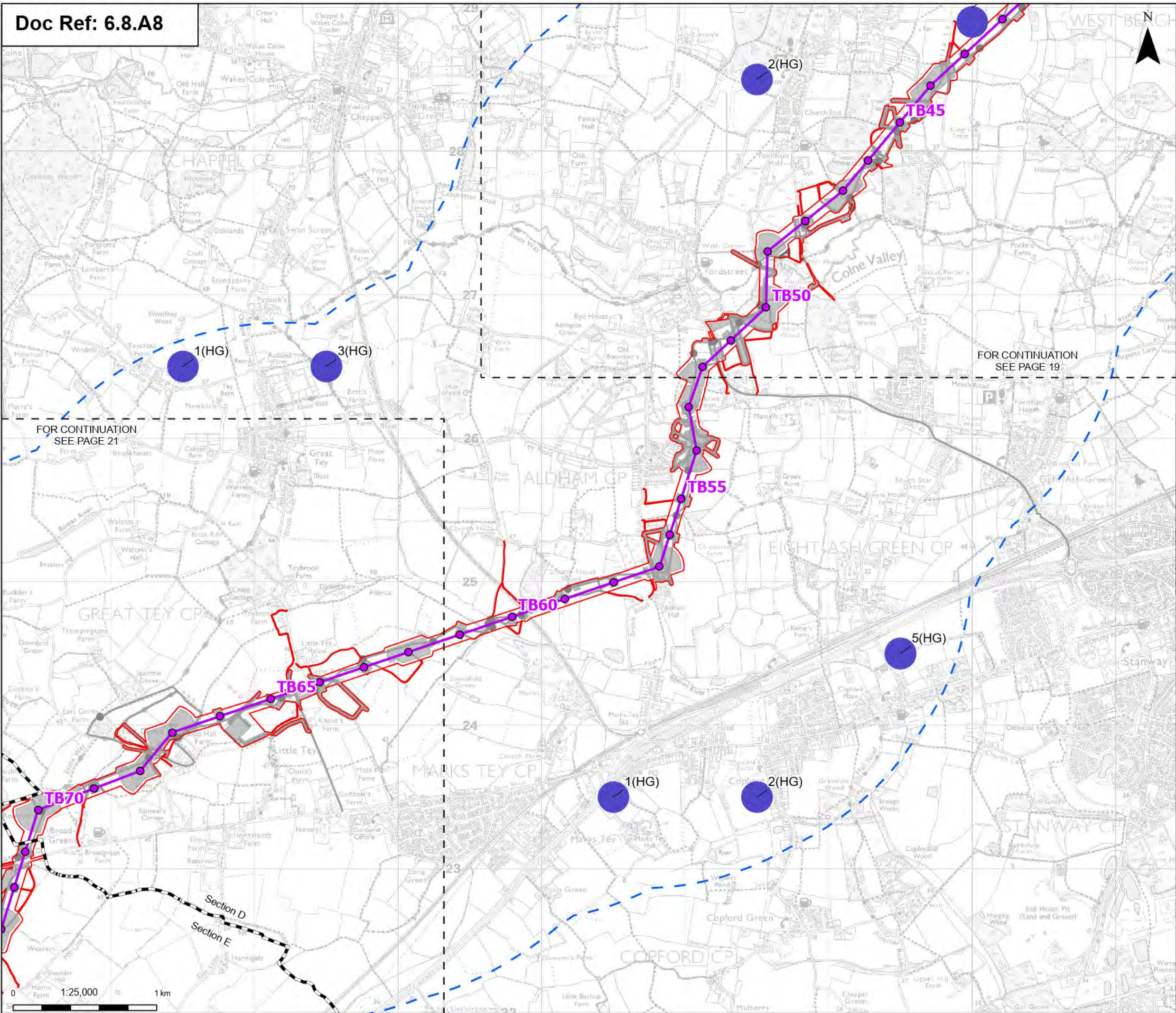
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Regulation 5(2)(a)

Title:
Figure A8.8.8 - Ecology and Biodiversity
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
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PROJECT:
nationalgrid Norwich to Tilbury

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Regulation 5(2)(a)

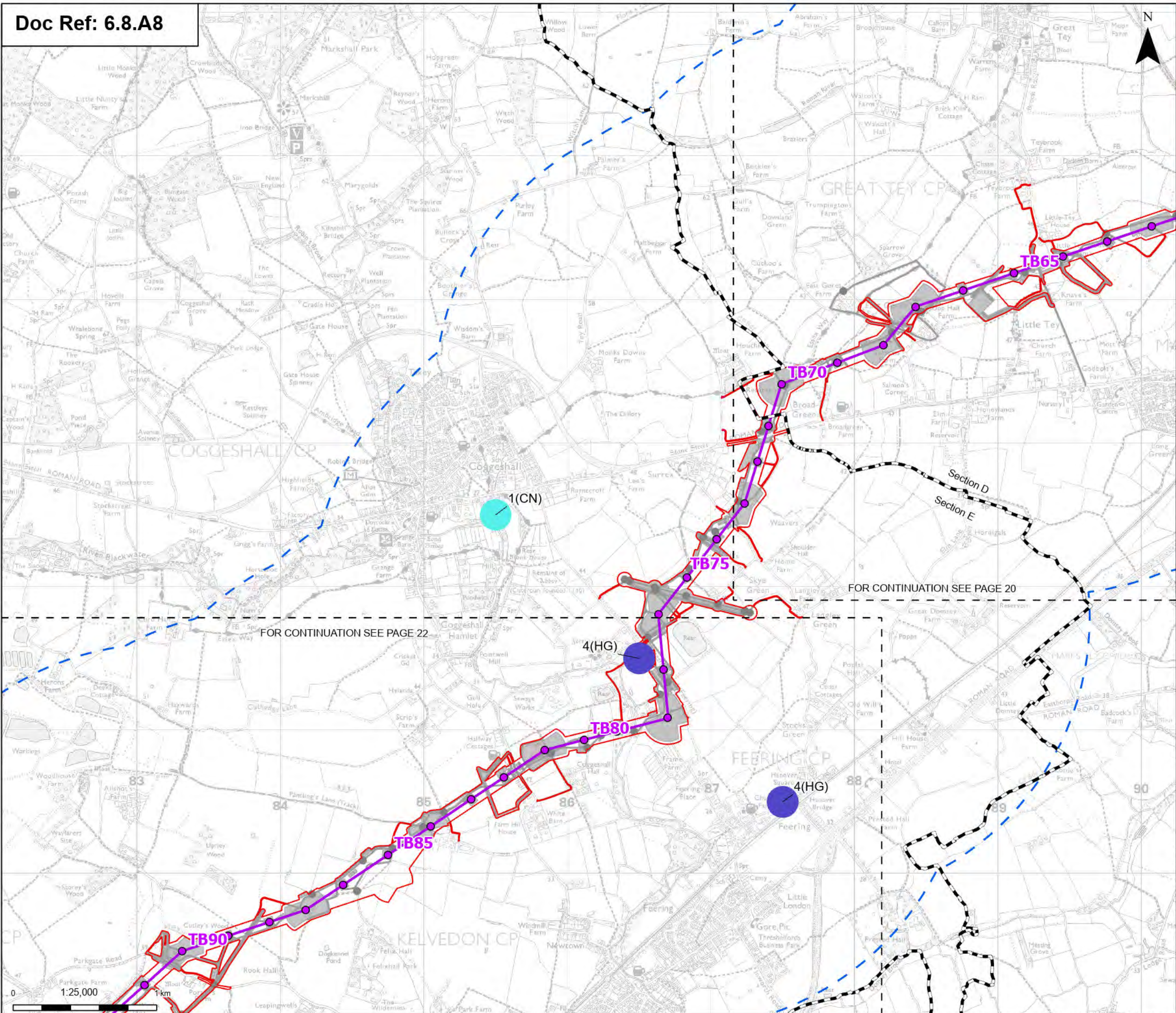
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Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
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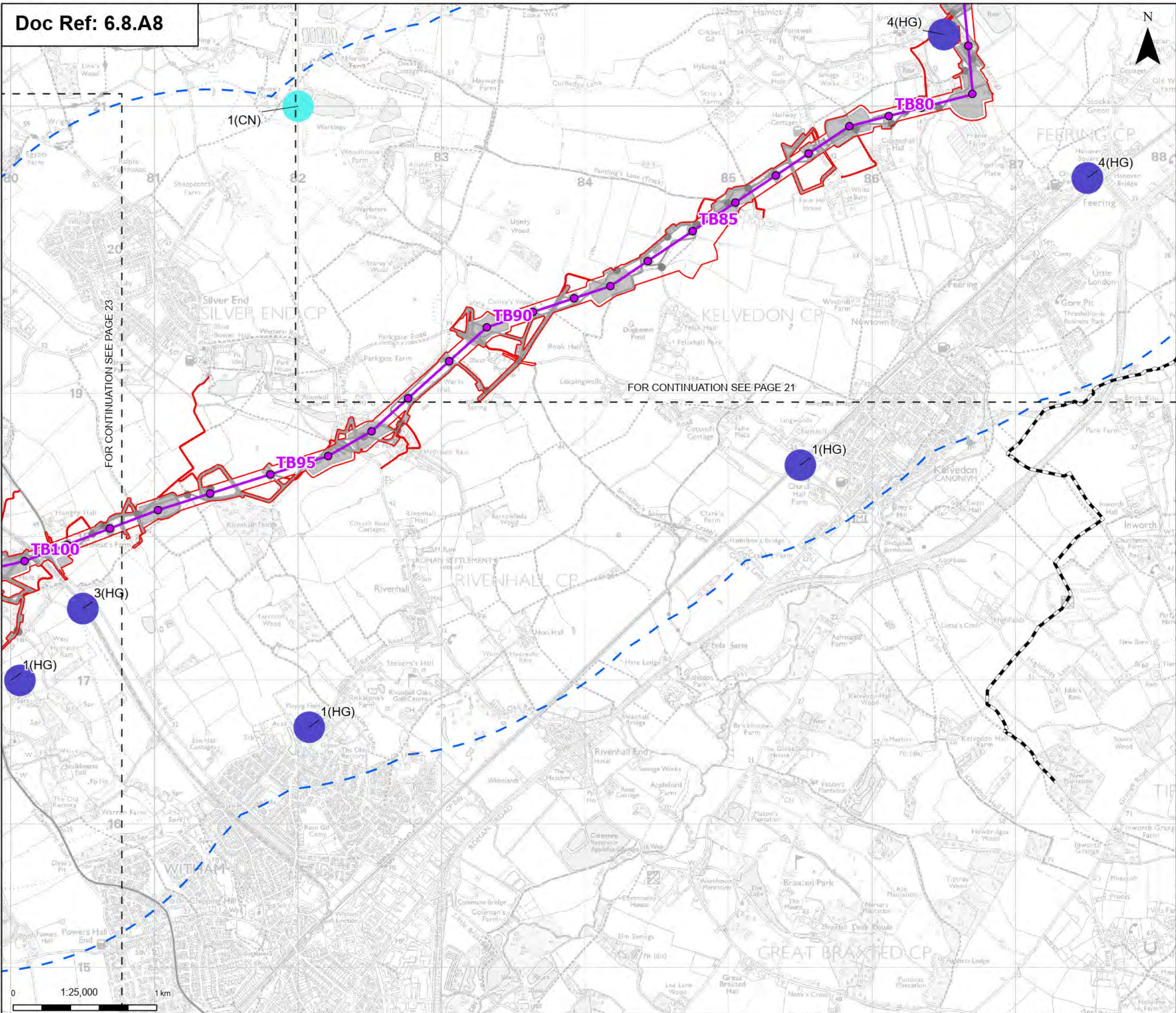
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**Figure A8.8.8 - Ecology and Biodiversity
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Discipline specific constraints

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

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PROJECT: **Norwich to Tilbury**

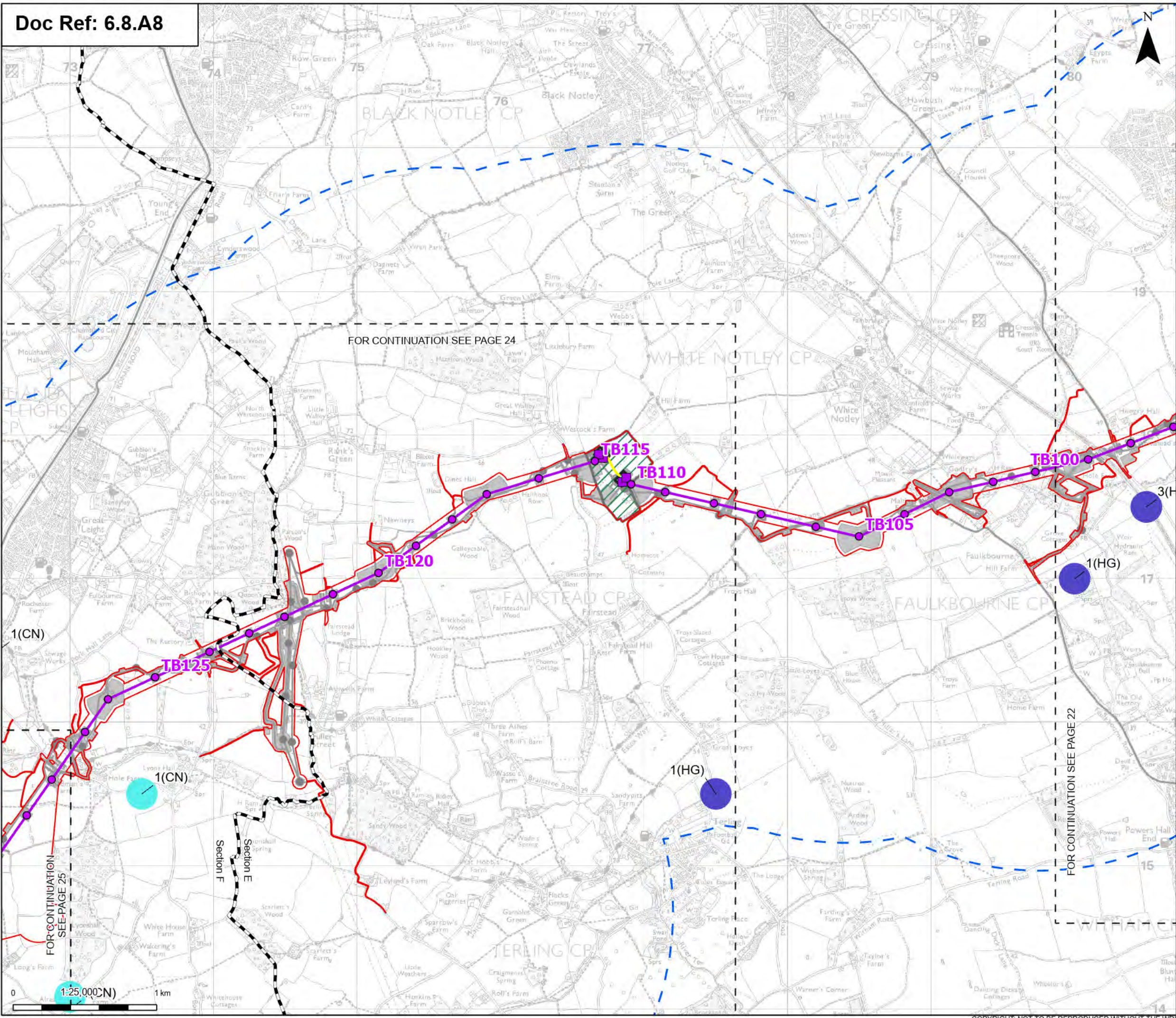
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**Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
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Discipline specific constraints

2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

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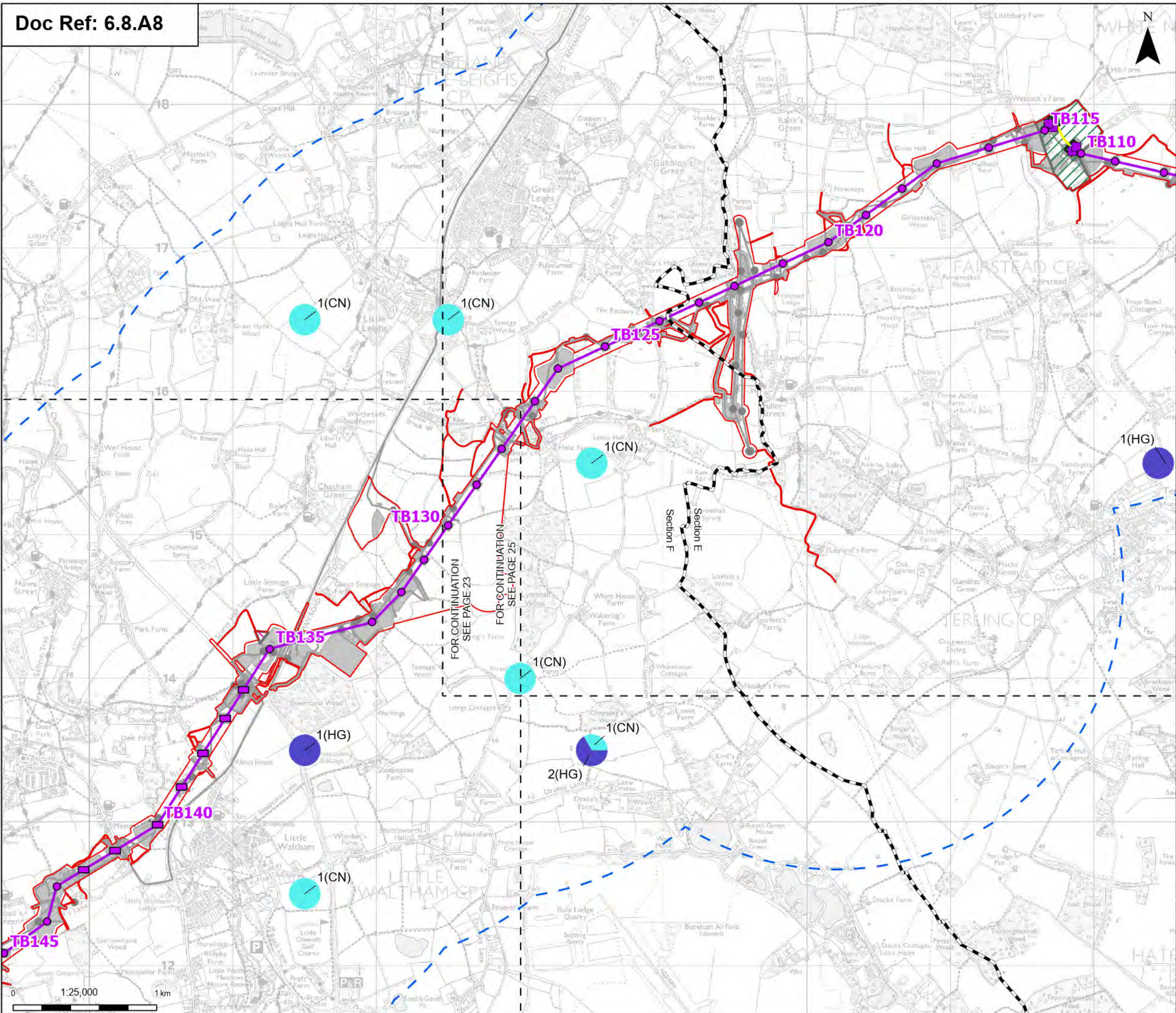
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Figure A8.8.8 - Ecology and Biodiversity
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- Proposed low duty gantry
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- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

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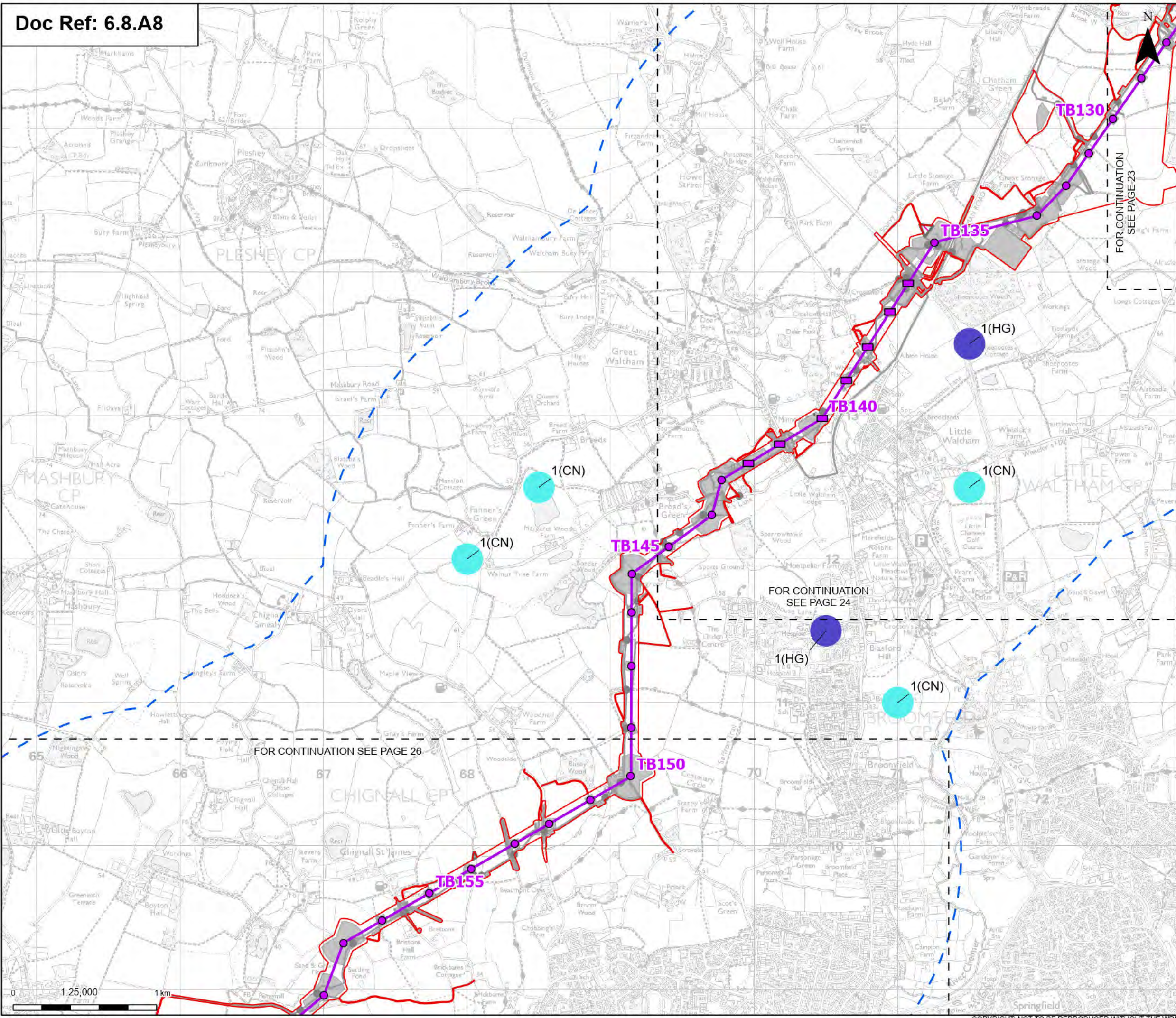
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Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
Page 24 of 31**

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00321

Revision:
A



Order limits
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Proposed project design details
Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
- Little gull (LU)
- Little tern (AF)
- Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

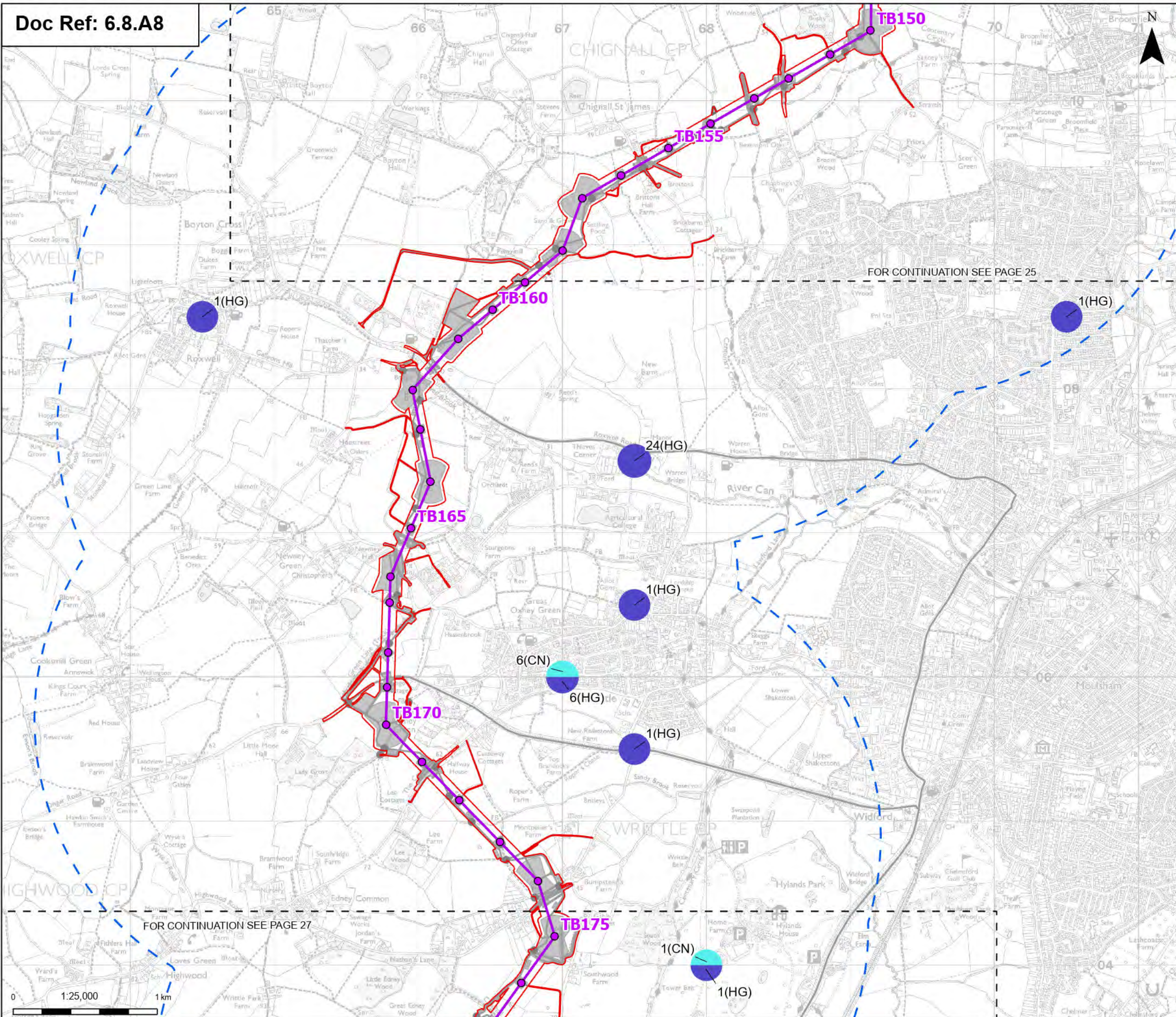
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Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00321

Revision:
A



Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

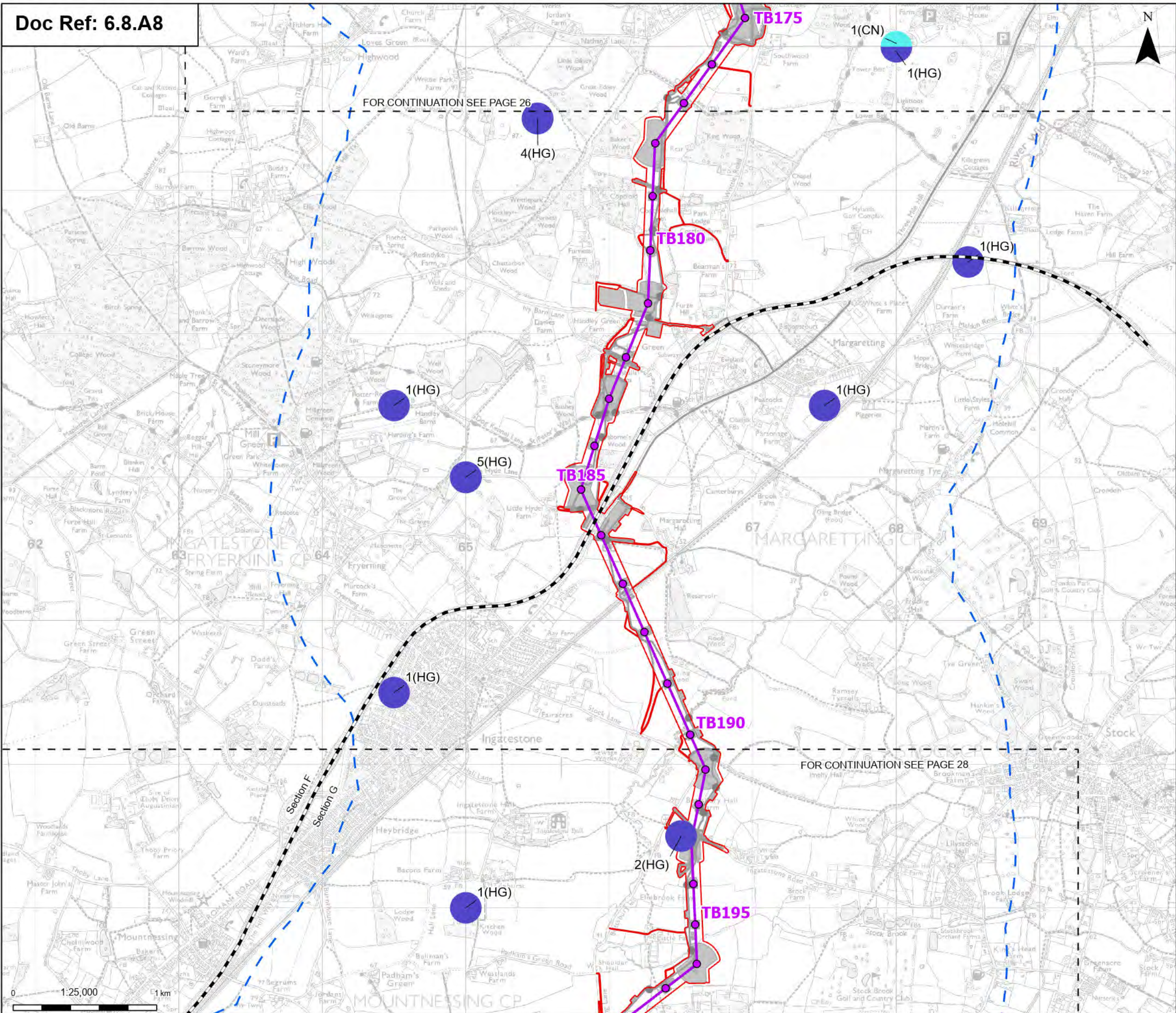
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Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00321	Revision: A
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Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)	Black tern (BJ)
Common tern (CN)	Herring gull (HG)
Kittiwake (KI)	Little gull (LU)
Little tern (AF)	Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

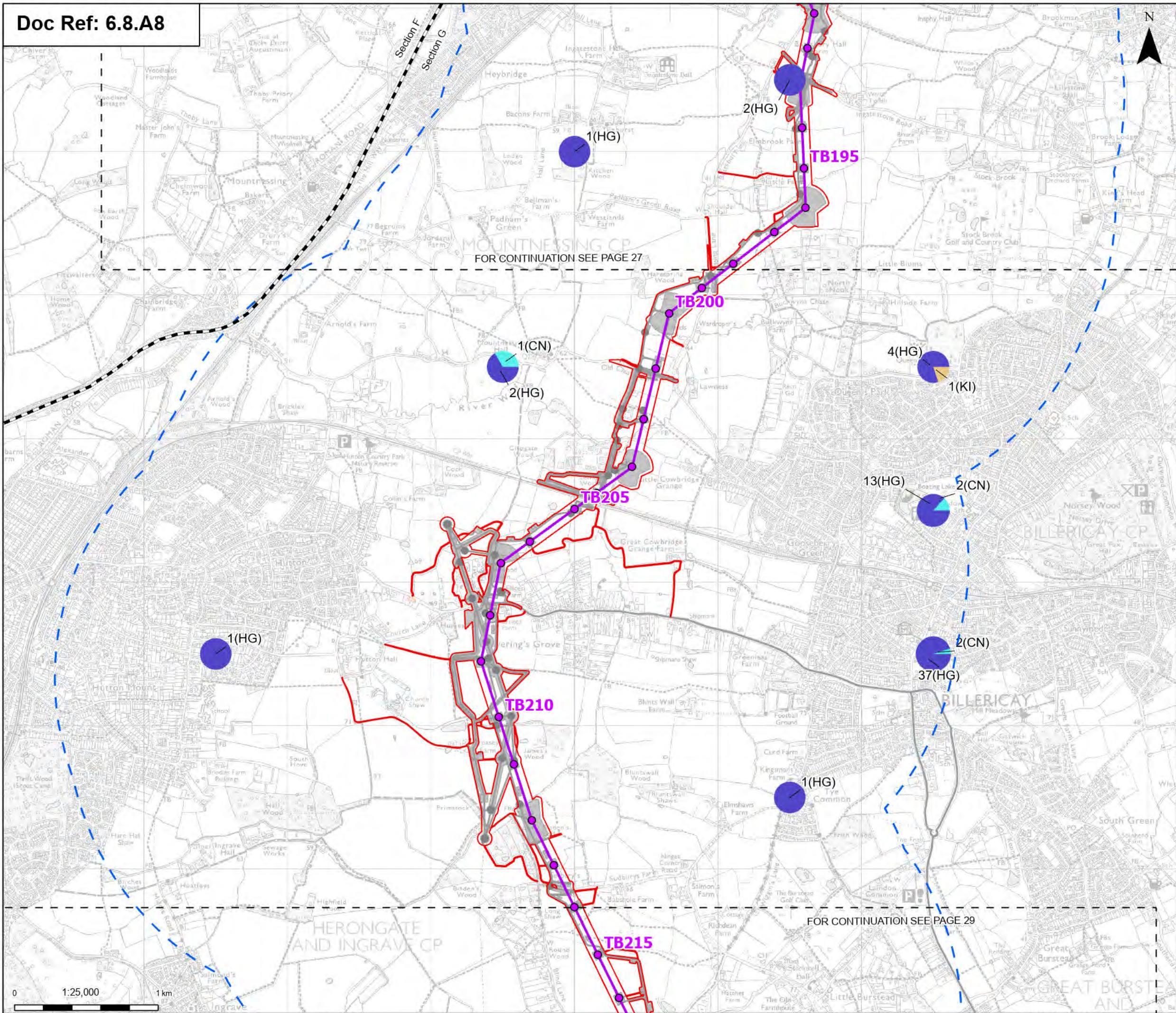
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Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
Page 27 of 31**

Designed	R. Anderton	Date	21 Aug 25
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Suitability Description:
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Order limits
Sheet index cutline
Project section line

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
- Little gull (LU)
- Little tern (AF)
- Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
**Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
Page 28 of 31**

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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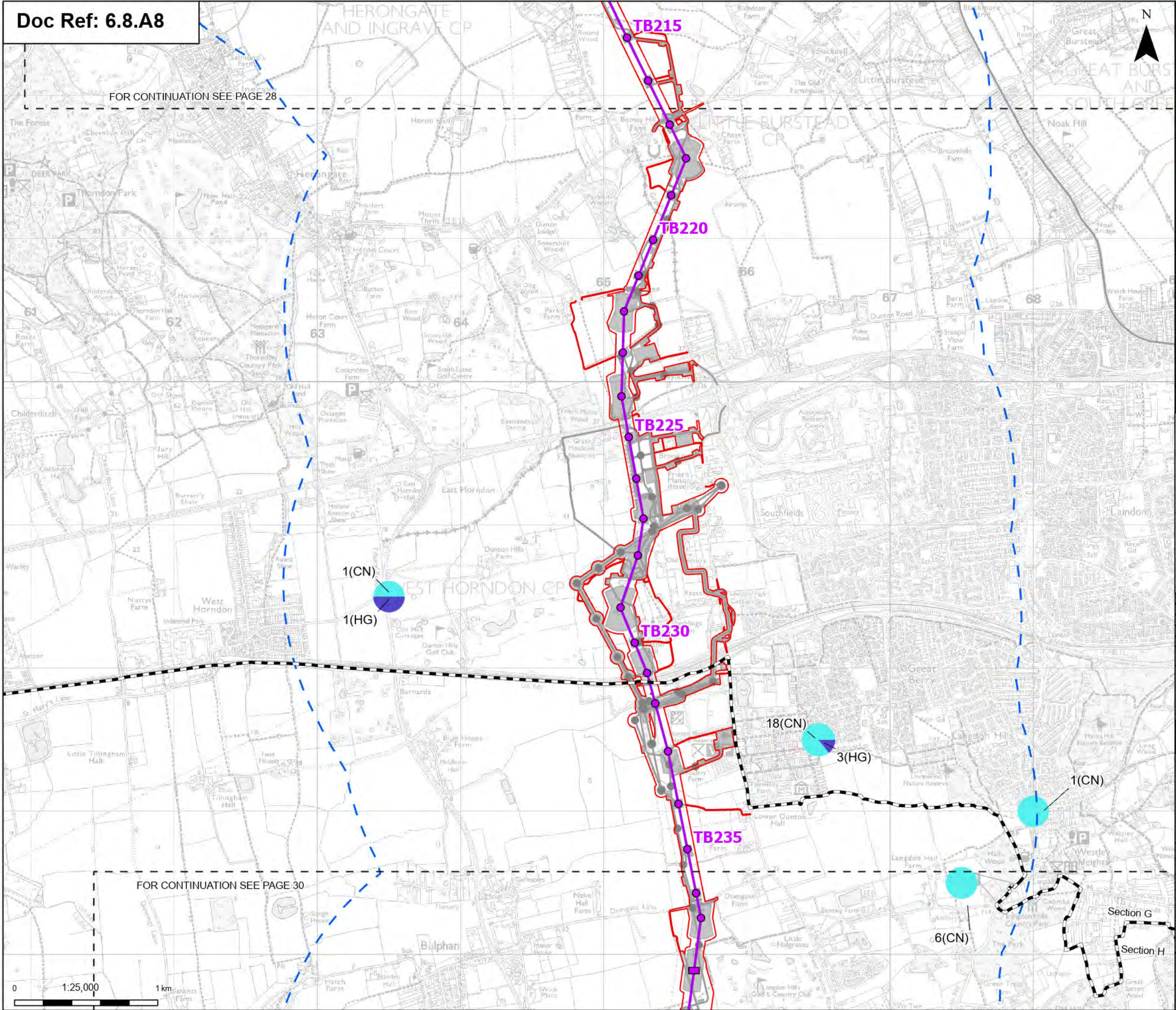
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Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00321

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FOR CONTINUATION SEE PAGE 30



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Project section line

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

Arctic tern (AE)

Black tern (BJ)

Common tern (CN)

Herring gull (HG)

Kittiwake (KI)

Little gull (LU)

Little tern (AF)

Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

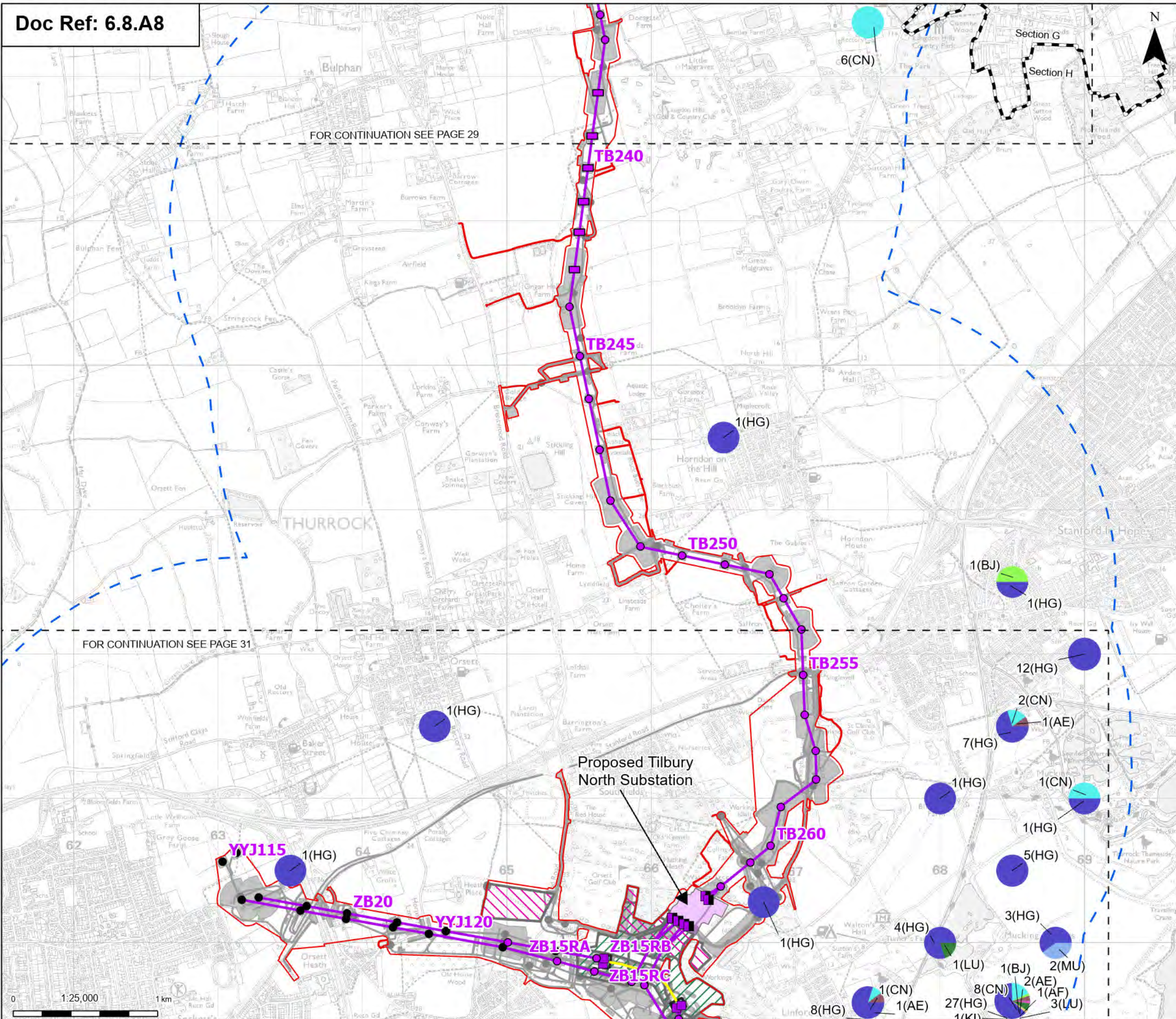
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00321
Revision:
A



Order limits
Sheet index outline
Project section line

Proposed project design details
Proposed full line tension gantry
Proposed low duty gantry
Proposed low height pylon location
Existing pylon (modify)
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed Tilbury North Substation
Proposed cable sealing end compound (CSEC)
Environmental area
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
- Little gull (LU)
- Little tern (AF)
- Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

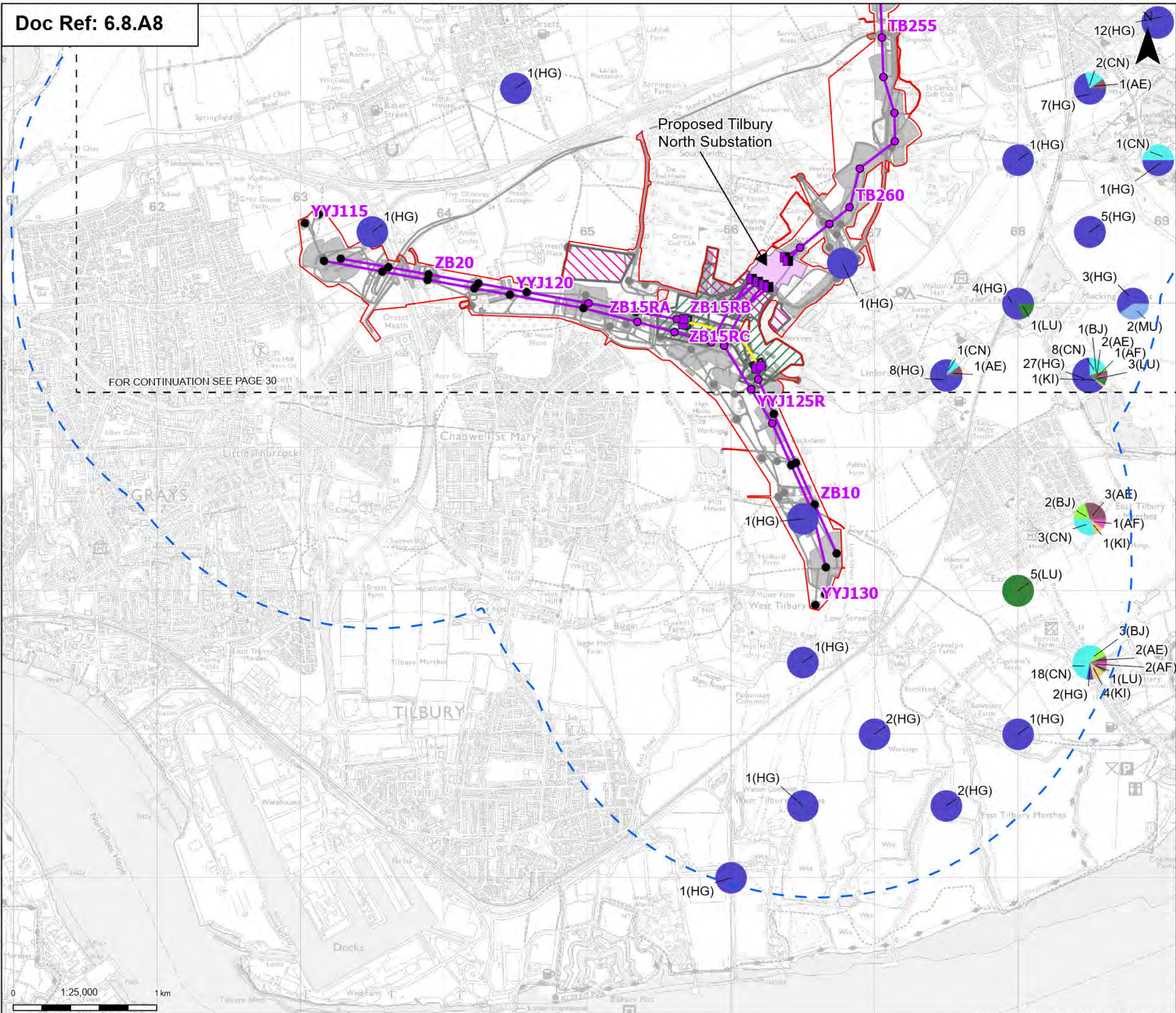
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**Figure A8.8.8 - Ecology and Biodiversity
Collision Risk Target Species
Gulls & Terns (Desk Study Data 2013-2022)
Page 30 of 31**

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
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Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00321

Revision:
A



Order limits
Sheet index outline

Proposed project design details

- Proposed full line tension gantry
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area

Collision risk target species - Gulls & Terns total abundance (desk study data 2013-2022)

- Arctic tern (AE)
- Black tern (BJ)
- Common tern (CN)
- Herring gull (HG)
- Kittiwake (KI)
- Little gull (LU)
- Little tern (AF)
- Mediterranean gull (MU)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT: **Norwich to Tilbury**

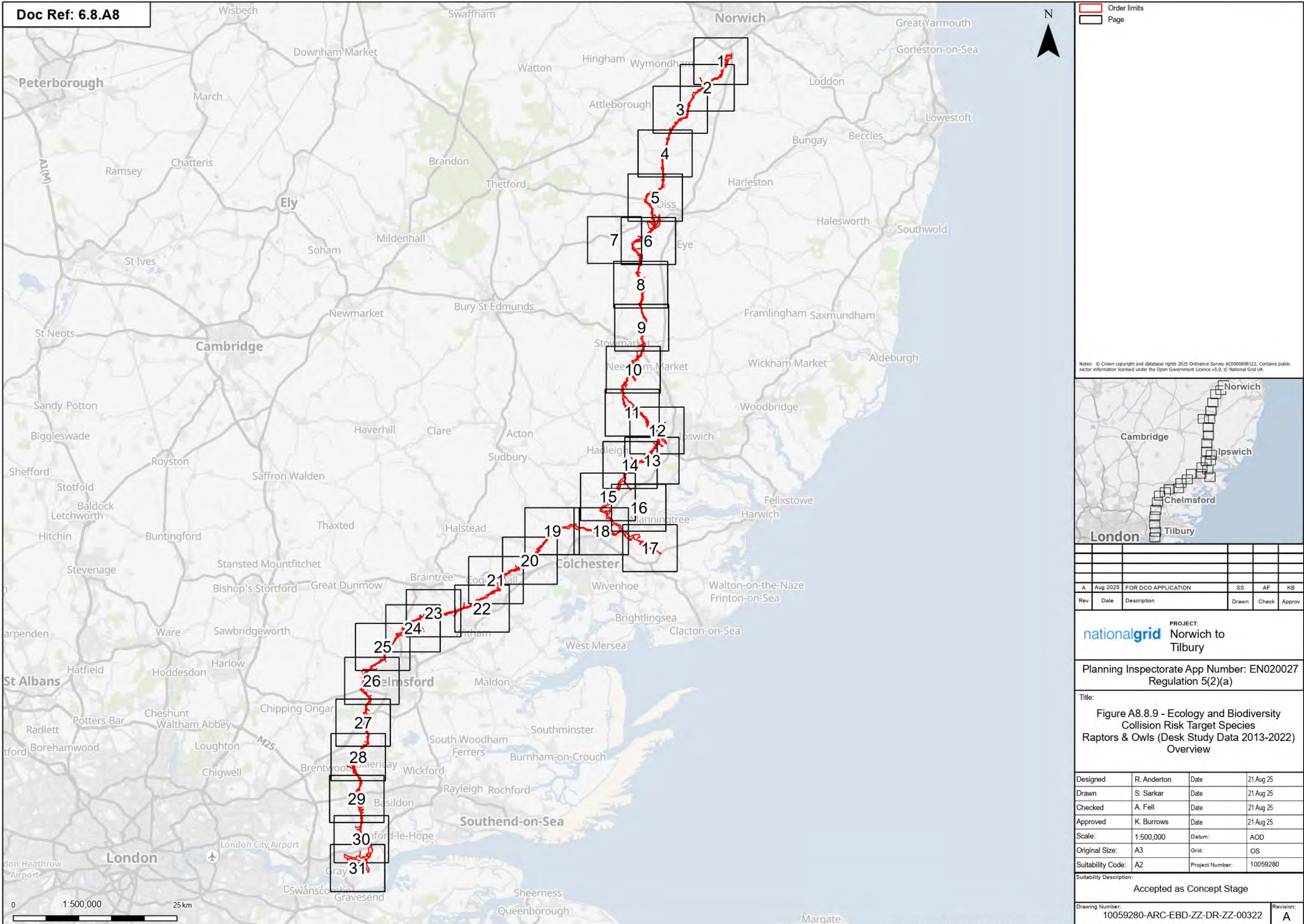
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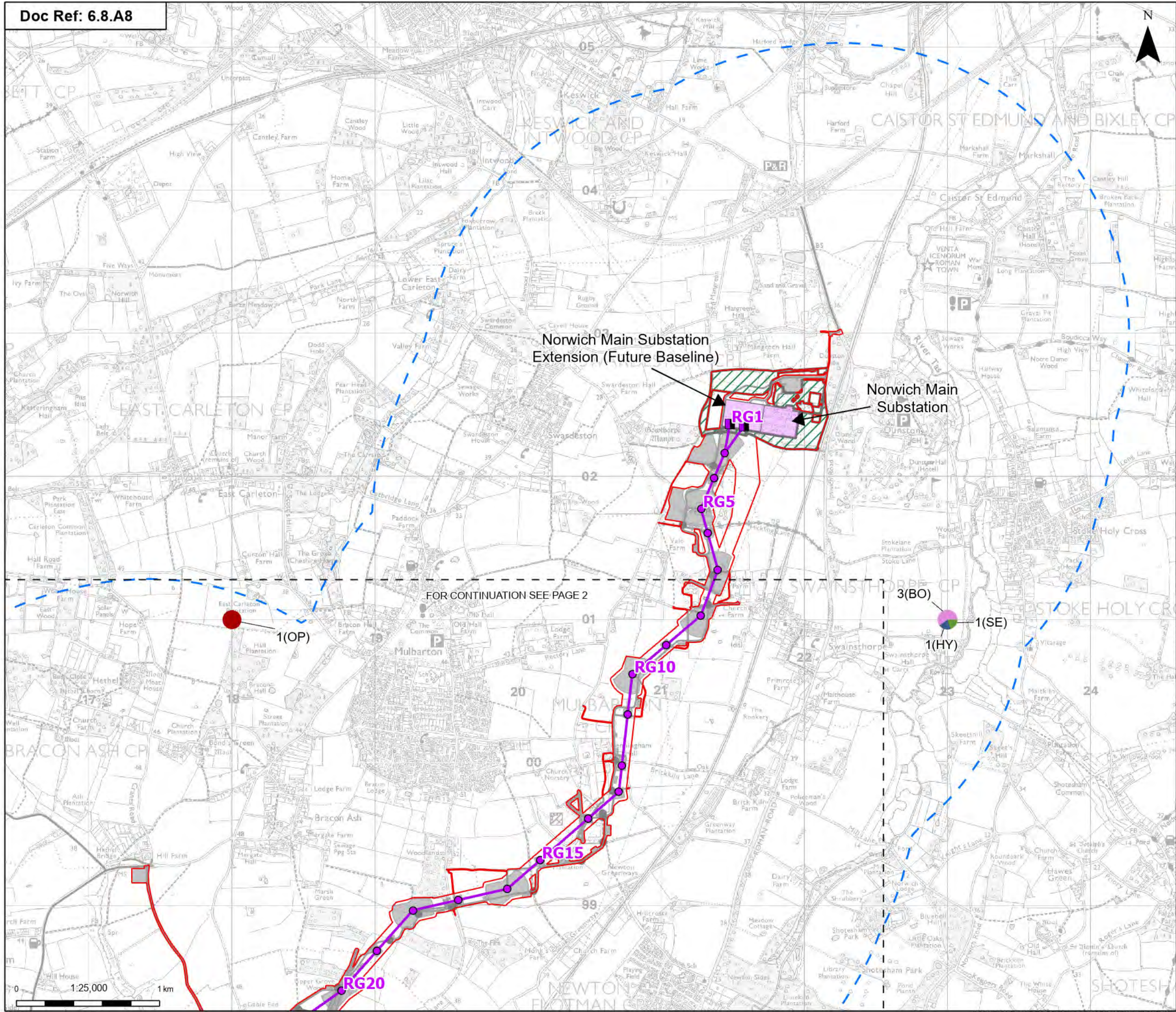
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Figure A8.8.8 - Ecology and Biodiversity Collision Risk Target Species Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00321	Revision: A
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Order limits
Sheet index outline

Proposed project design details
Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Norwich Main Substation
Norwich Main Substation Extension (future baseline)
Environmental area
Other temporary and permanent construction and operational works

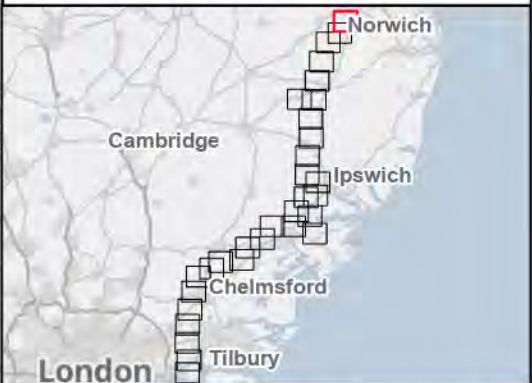
Discipline specific constraints
2 km Study Area

Collision risk target species - Raptors & Owls total abundance (desk study data 2013-2022)

- Barn owl (BO)
- Black kite (KB)
- Goshawk (GI)
- Hen harrier (HH)
- Hobby (HY)
- Honey buzzard (HZ)
- Marsh harrier (MR)
- Merlin (ML)
- Montagu's harrier (MO)
- Osprey (OP)
- Peregrine (PE)
- Red Kite (KT)
- Short-eared owl (SE)
- Snowy owl (SO)
- White-tailed eagle (WE)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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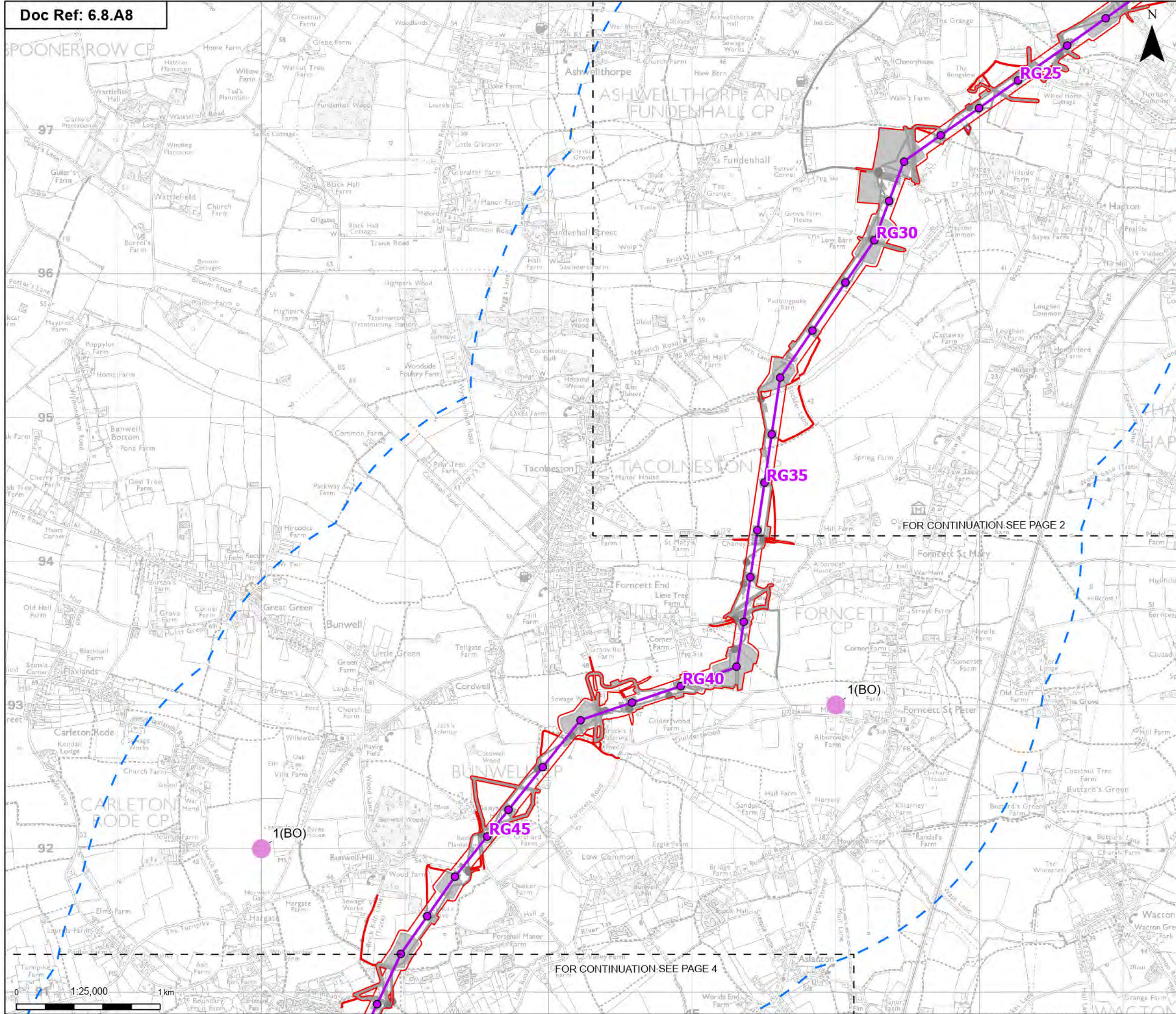
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Regulation 5(2)(a)

Title:
**Figure A8.8.9 - Ecology and Biodiversity
Collision Risk Target Species
Raptors & Owls (Desk Study Data 2013-2022)
Page 1 of 31**

Designed	R. Anderton	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00322
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Order limits
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Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

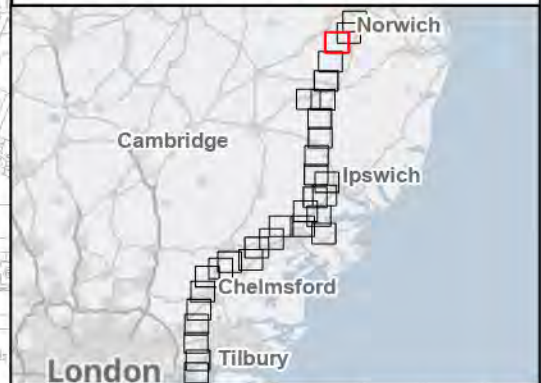
- 2 km Study Area

Collision risk target species - Raptors & Owls total abundance (desk study data 2013-2022)

- Barn owl (BO)
- Black kite (KB)
- Goshawk (GI)
- Hen harrier (HH)
- Hobby (HY)
- Honey buzzard (HZ)
- Marsh harrier (MR)
- Merlin (ML)
- Montagu's harrier (MO)
- Osprey (OP)
- Peregrine (PE)
- Red Kite (KT)
- Short-eared owl (SE)
- Snowy owl (SO)
- White-tailed eagle (WE)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

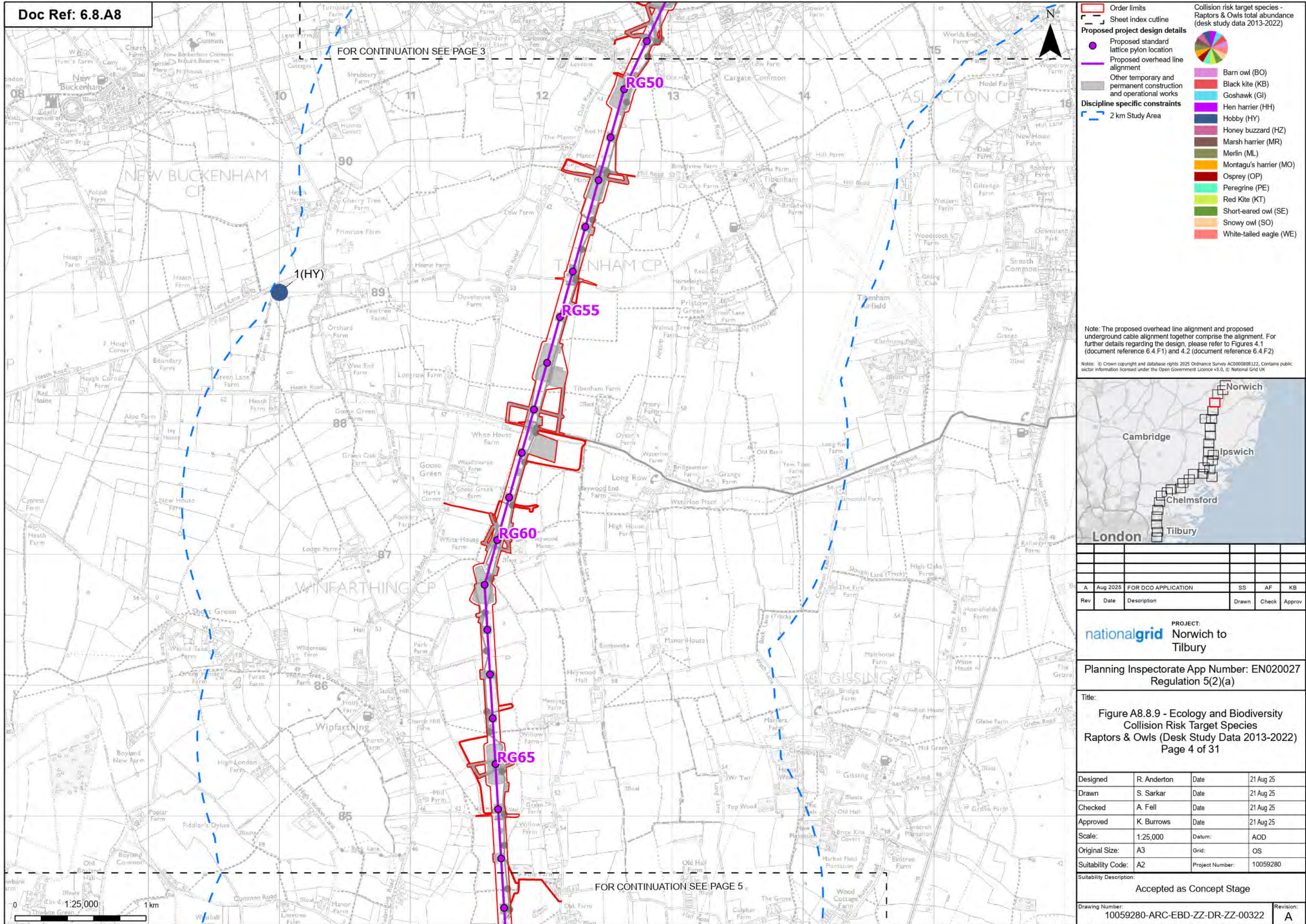
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Collision Risk Target Species
Raptors & Owls (Desk Study Data 2013-2022)
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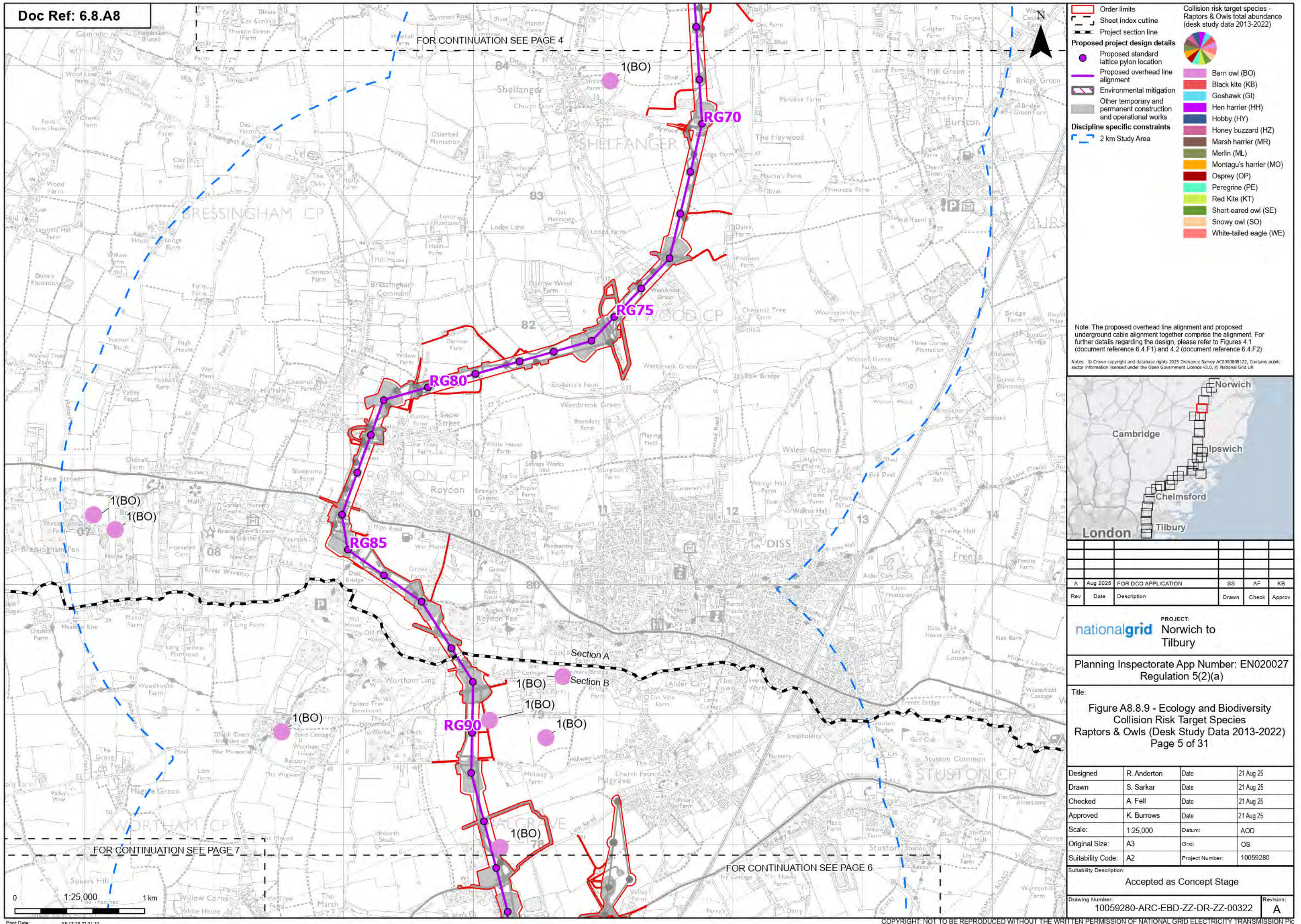
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Checked	A. Fell	Date	21 Aug 25
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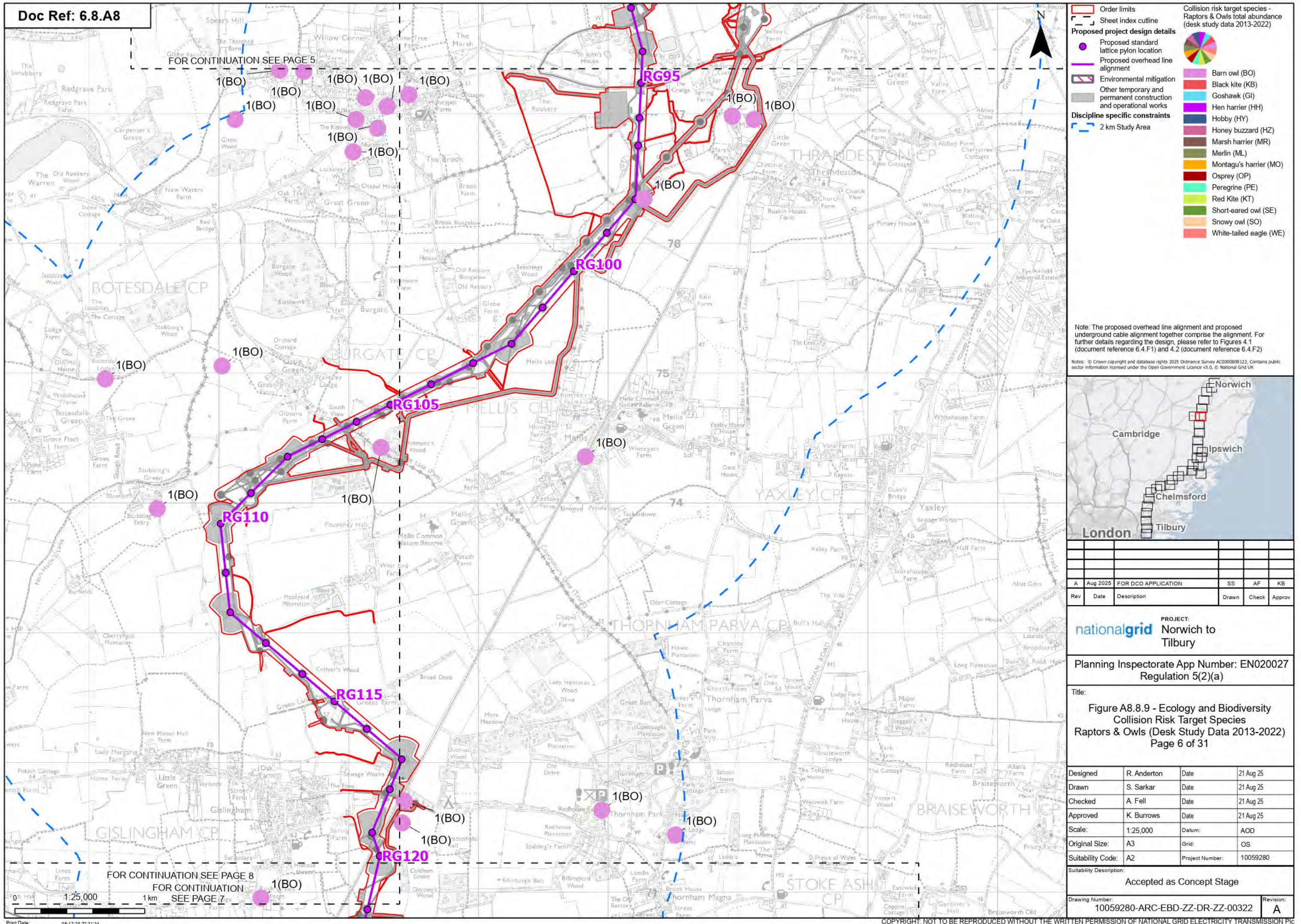
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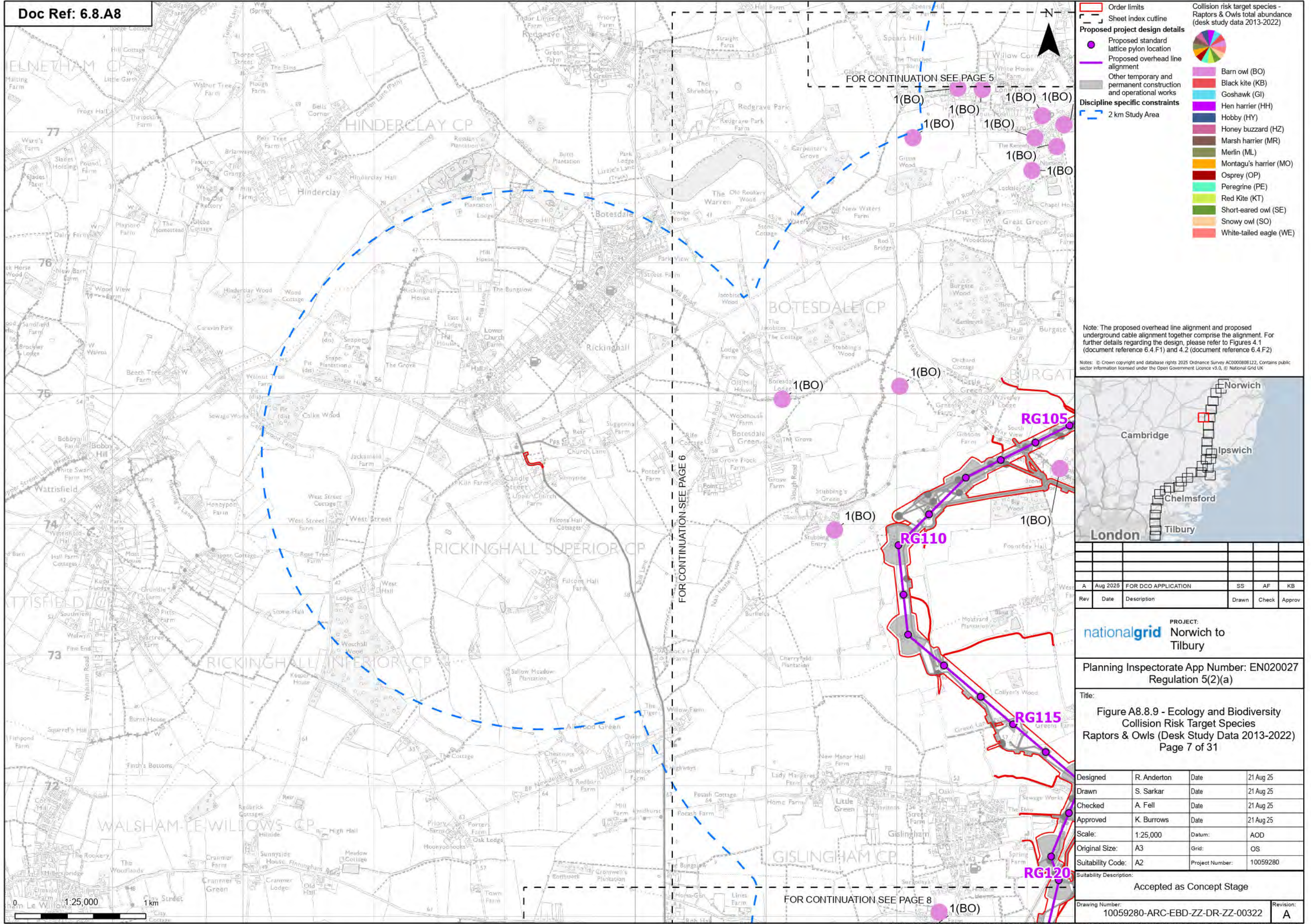
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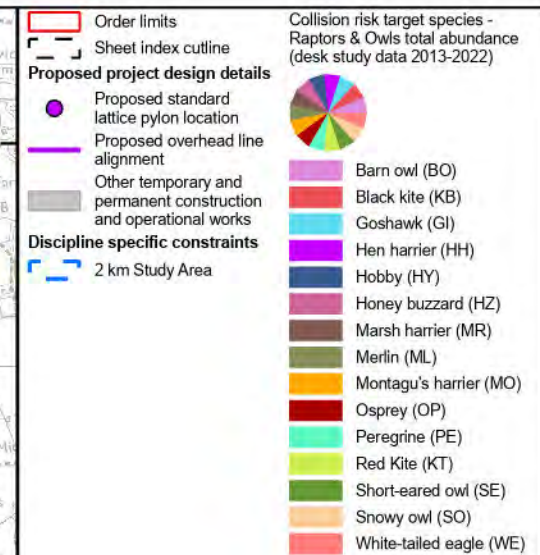




FOR CONTINUATION
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FOR CONTINUATION SEE PAGE 9



Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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Norwich to
Tilbury

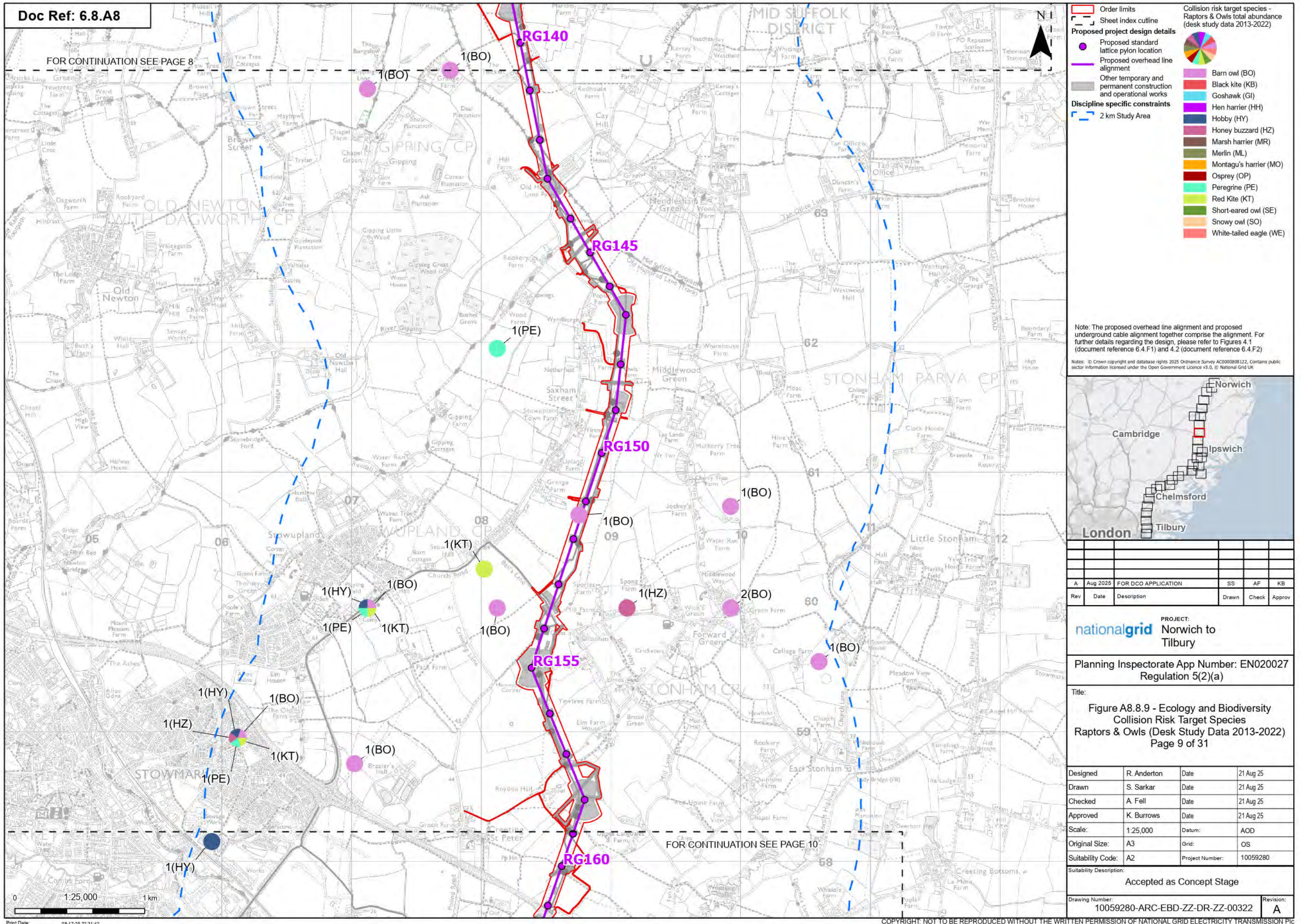
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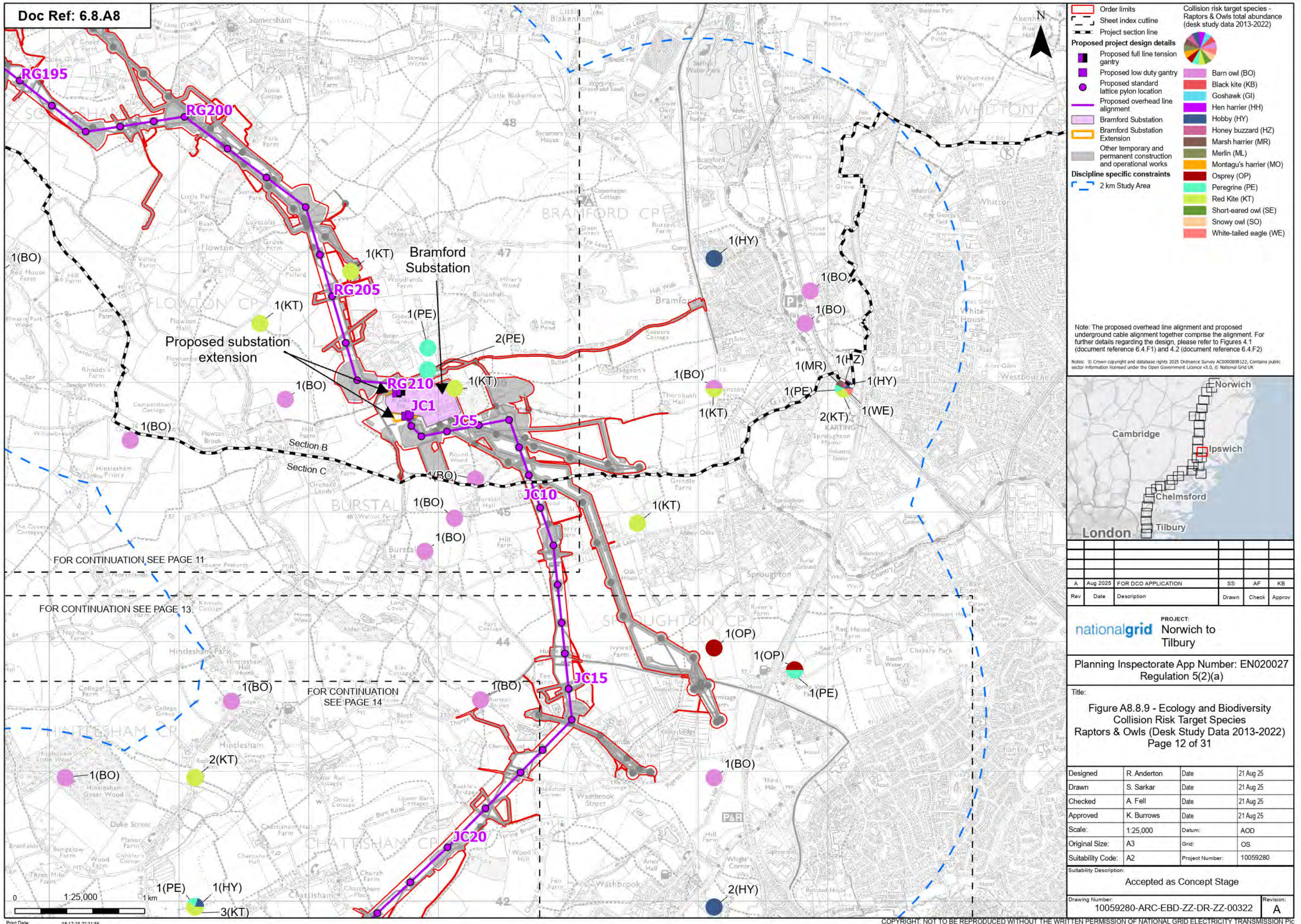
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Collision Risk Target Species
Raptors & Owls (Desk Study Data 2013-2022)
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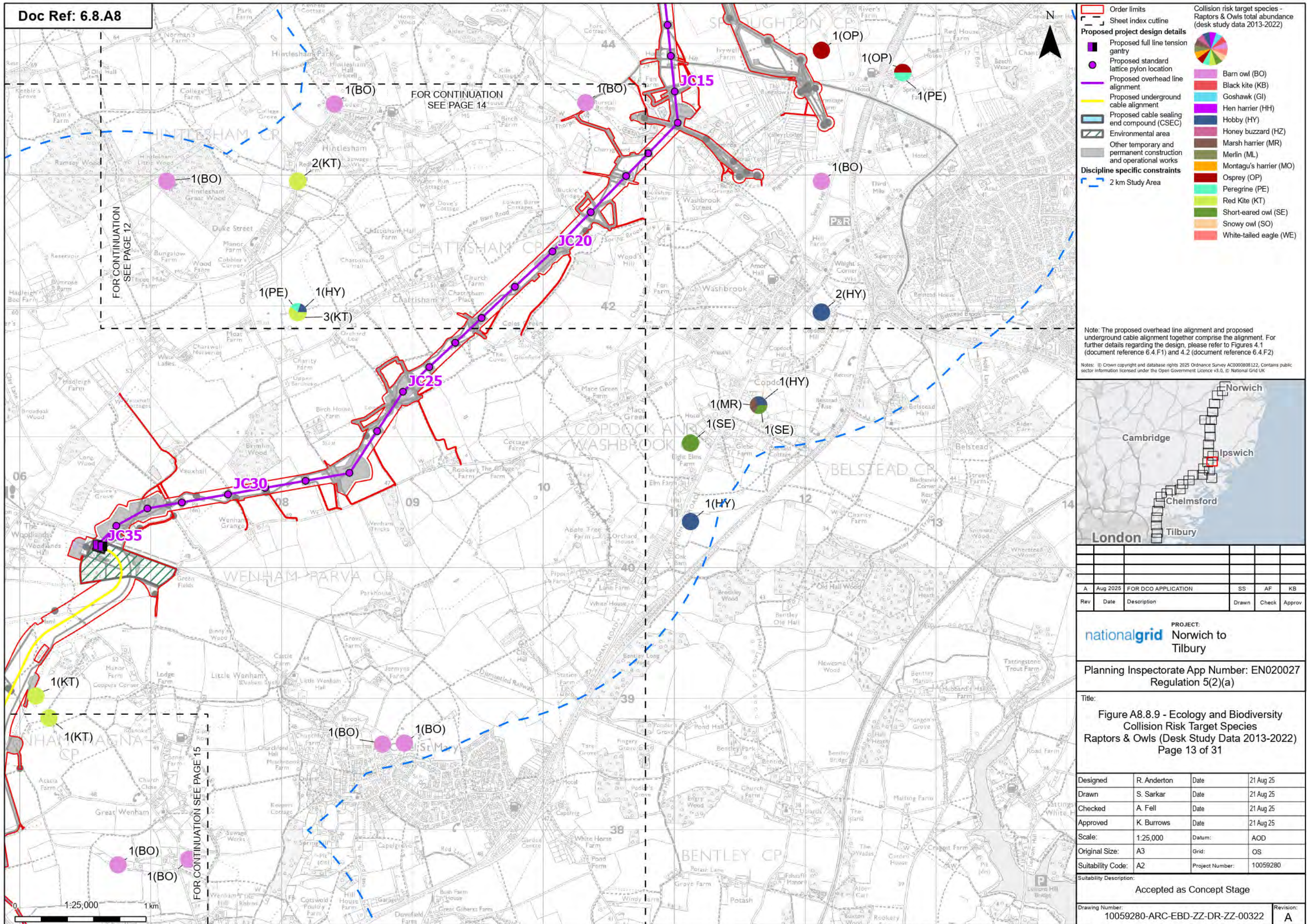
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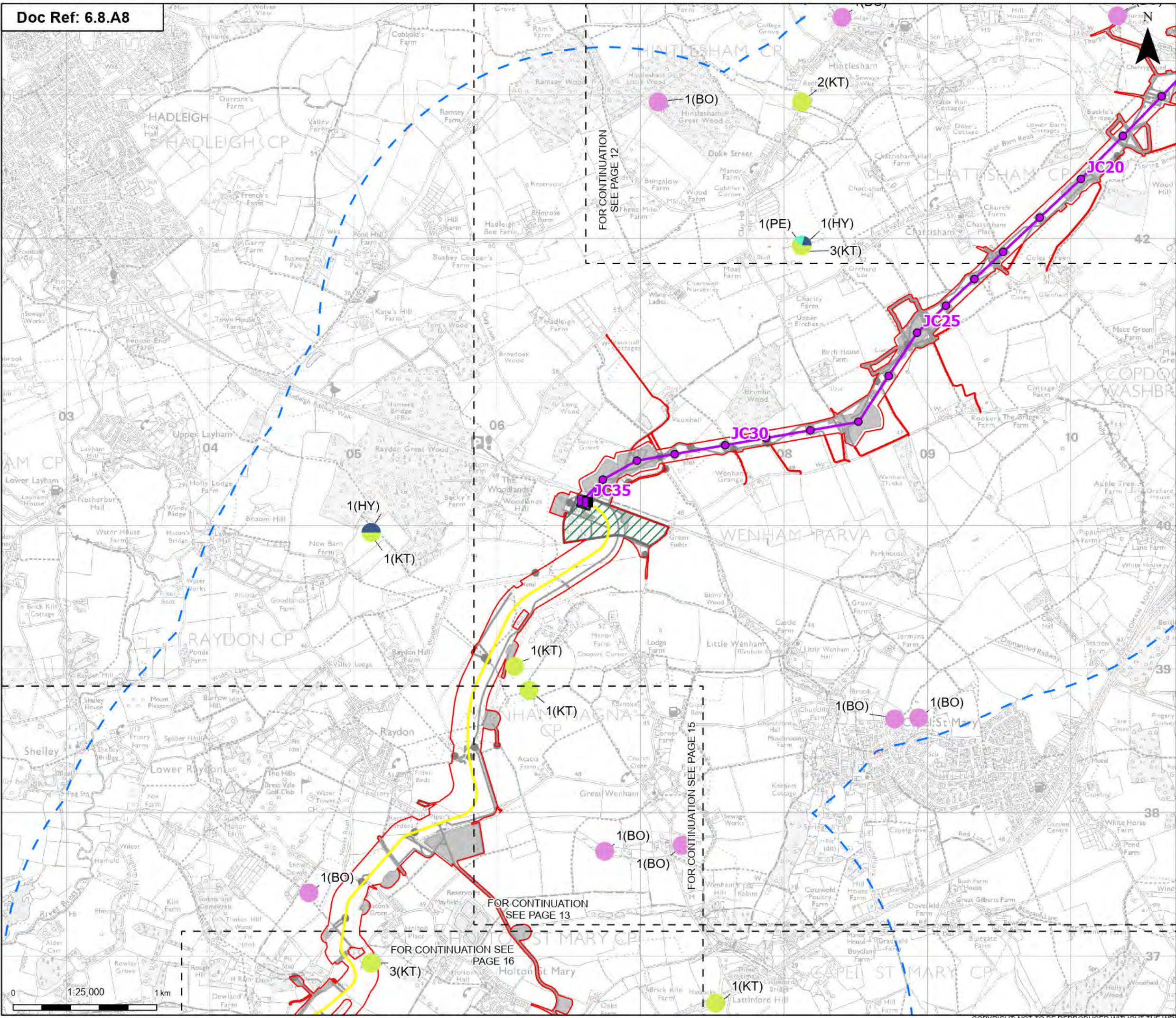
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00322	Revision: A
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Order limits

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- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Collision risk target species - Raptors & Owls total abundance (desk study data 2013-2022)

- Barn owl (BO)
- Black kite (KB)
- Goshawk (GI)
- Hen harrier (HH)
- Hobby (HY)
- Honey buzzard (HZ)
- Marsh harrier (MR)
- Merlin (ML)
- Montagu's harrier (MO)
- Osprey (OP)
- Peregrine (PE)
- Red Kite (KT)
- Short-eared owl (SE)
- Snowy owl (SO)
- White-tailed eagle (WE)

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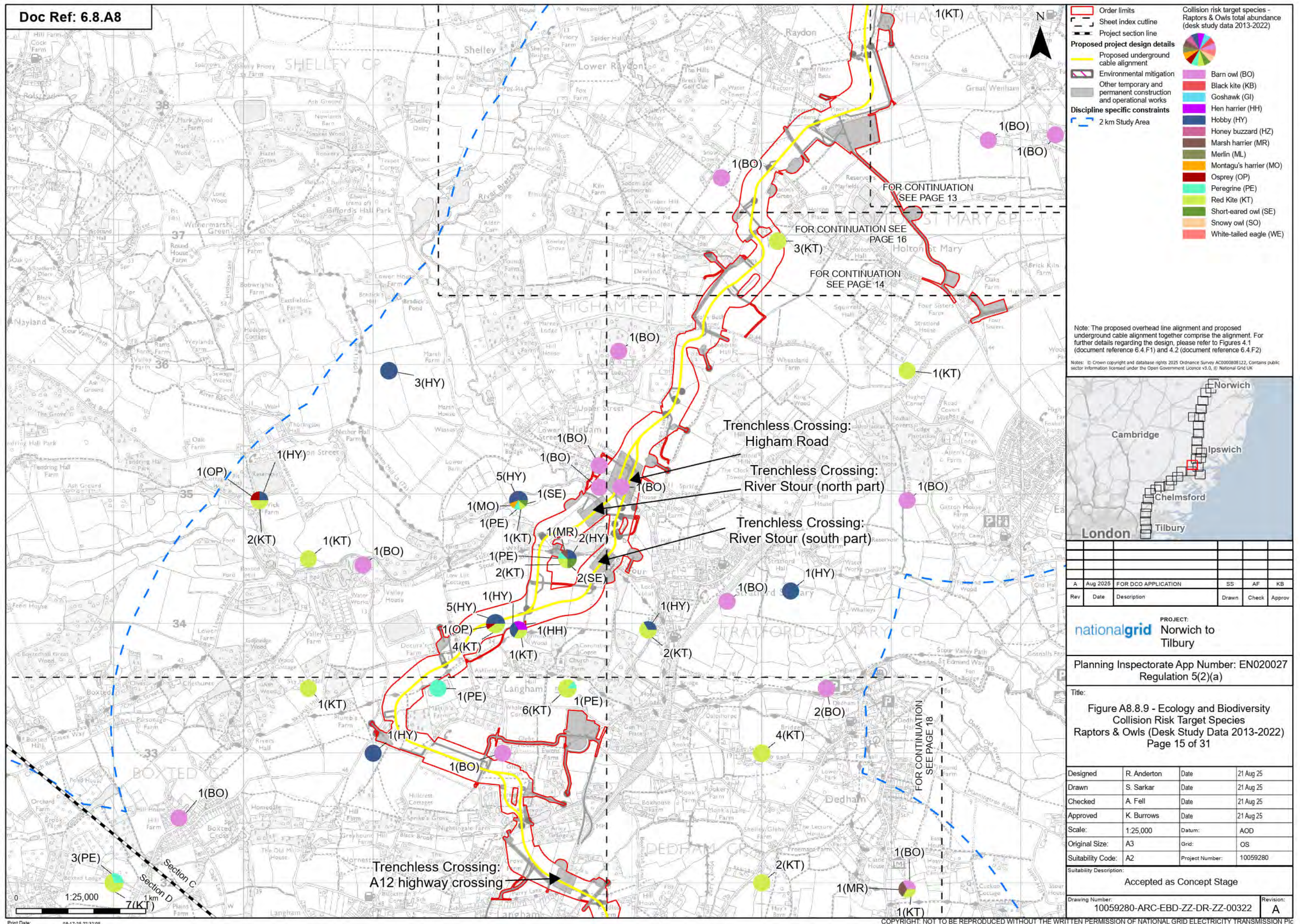
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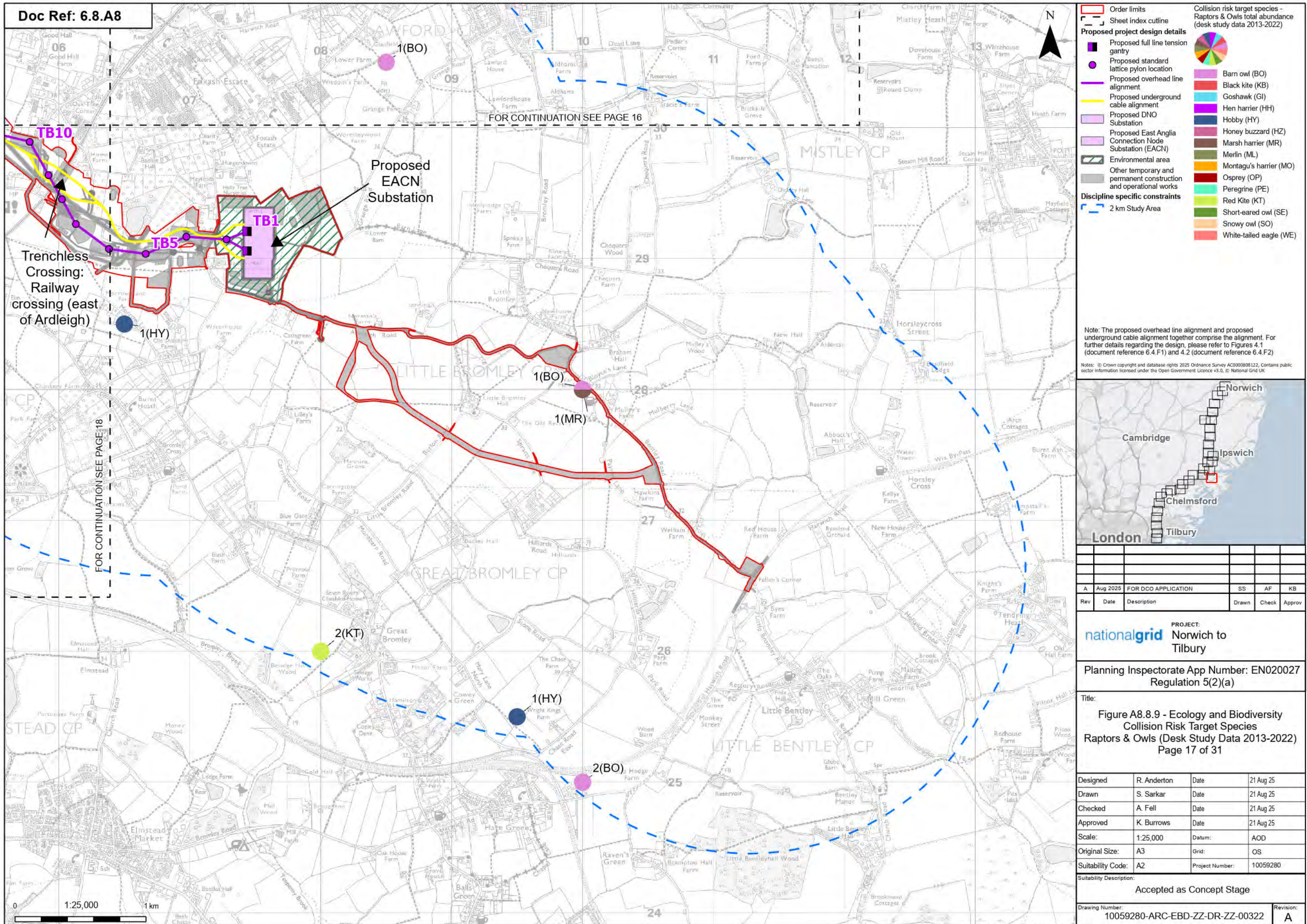
PROJECT: Norwich to Tilbury

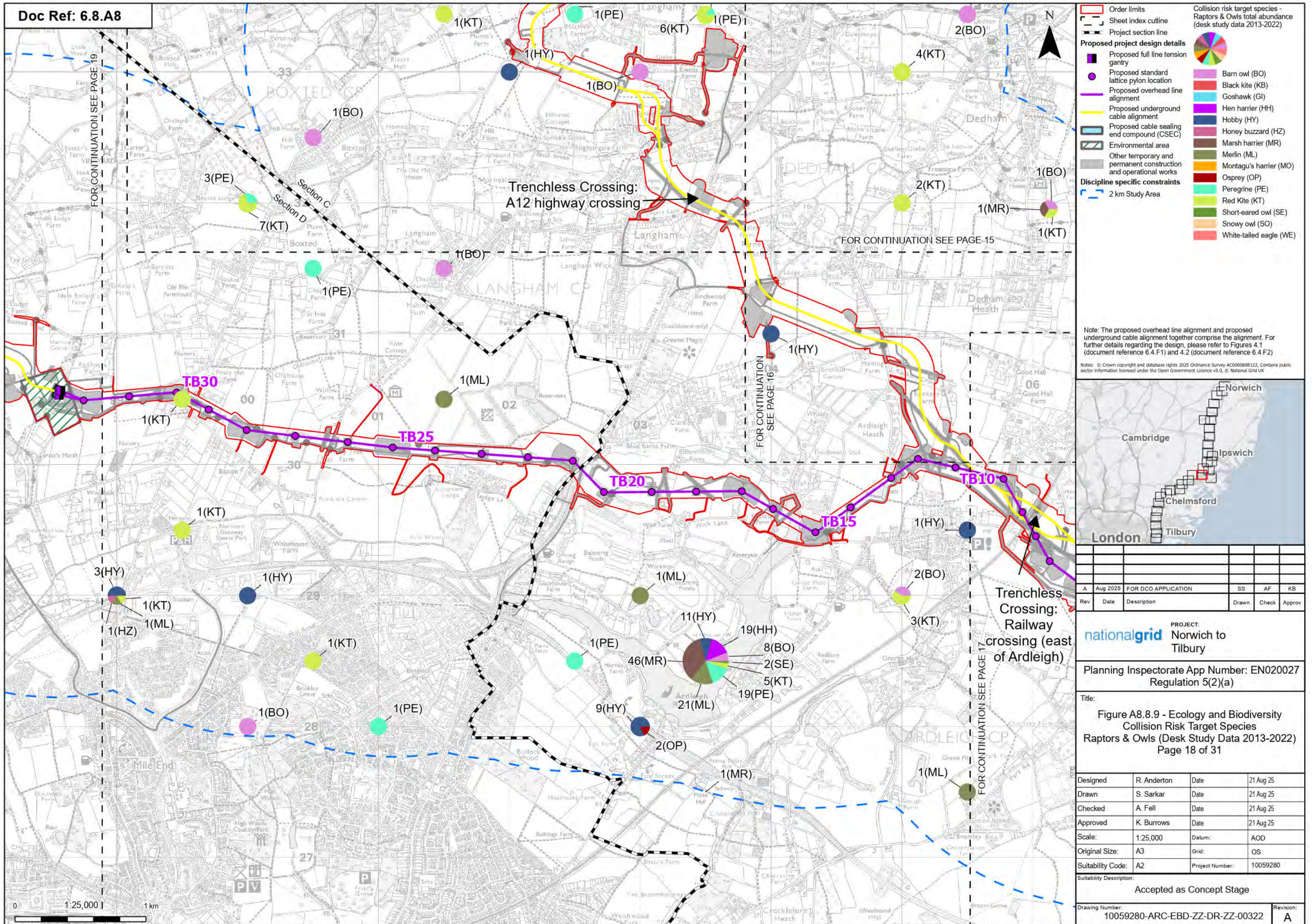
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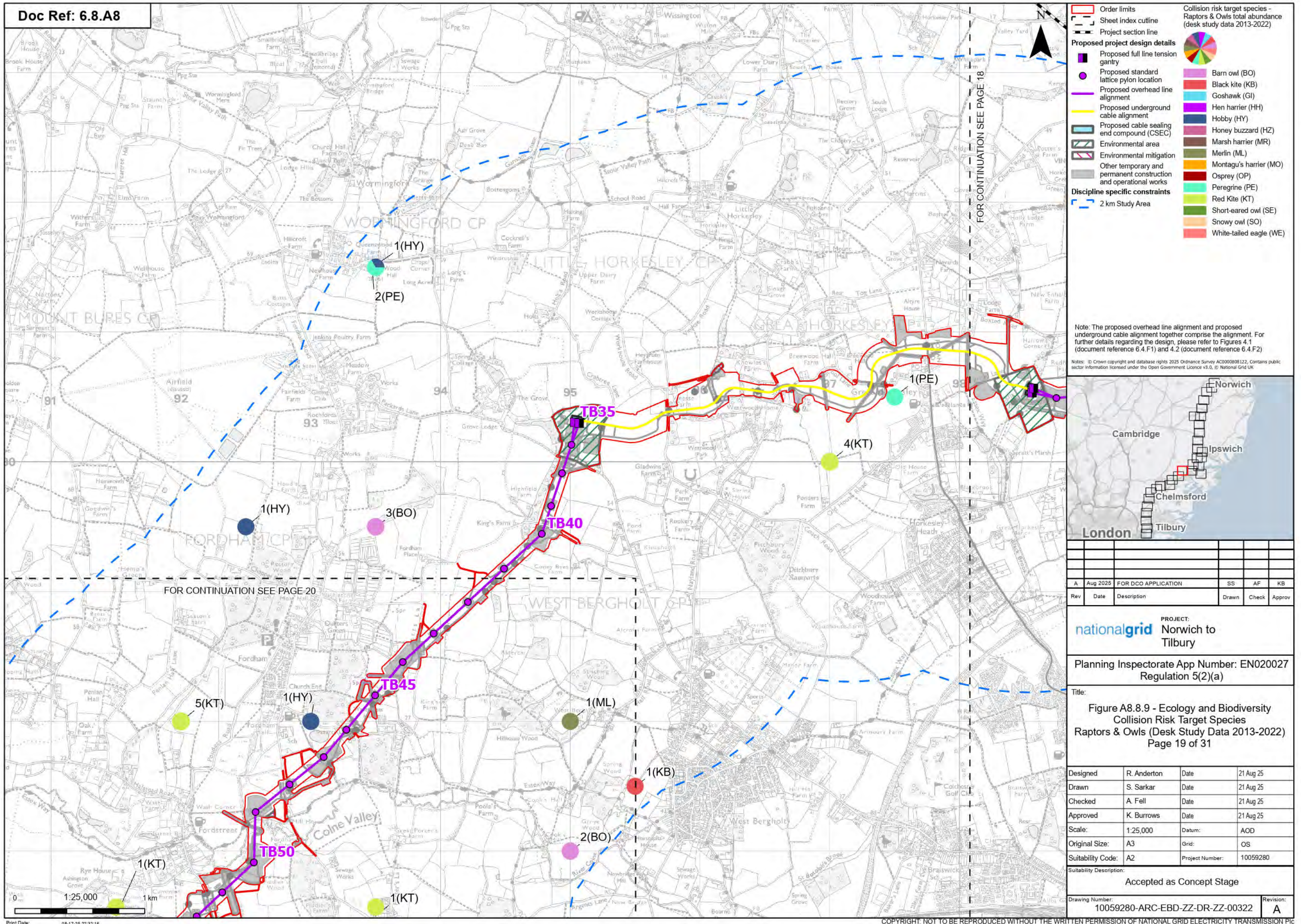
Title: Figure A8.8.9 - Ecology and Biodiversity Collision Risk Target Species Raptors & Owls (Desk Study Data 2013-2022) Page 14 of 31

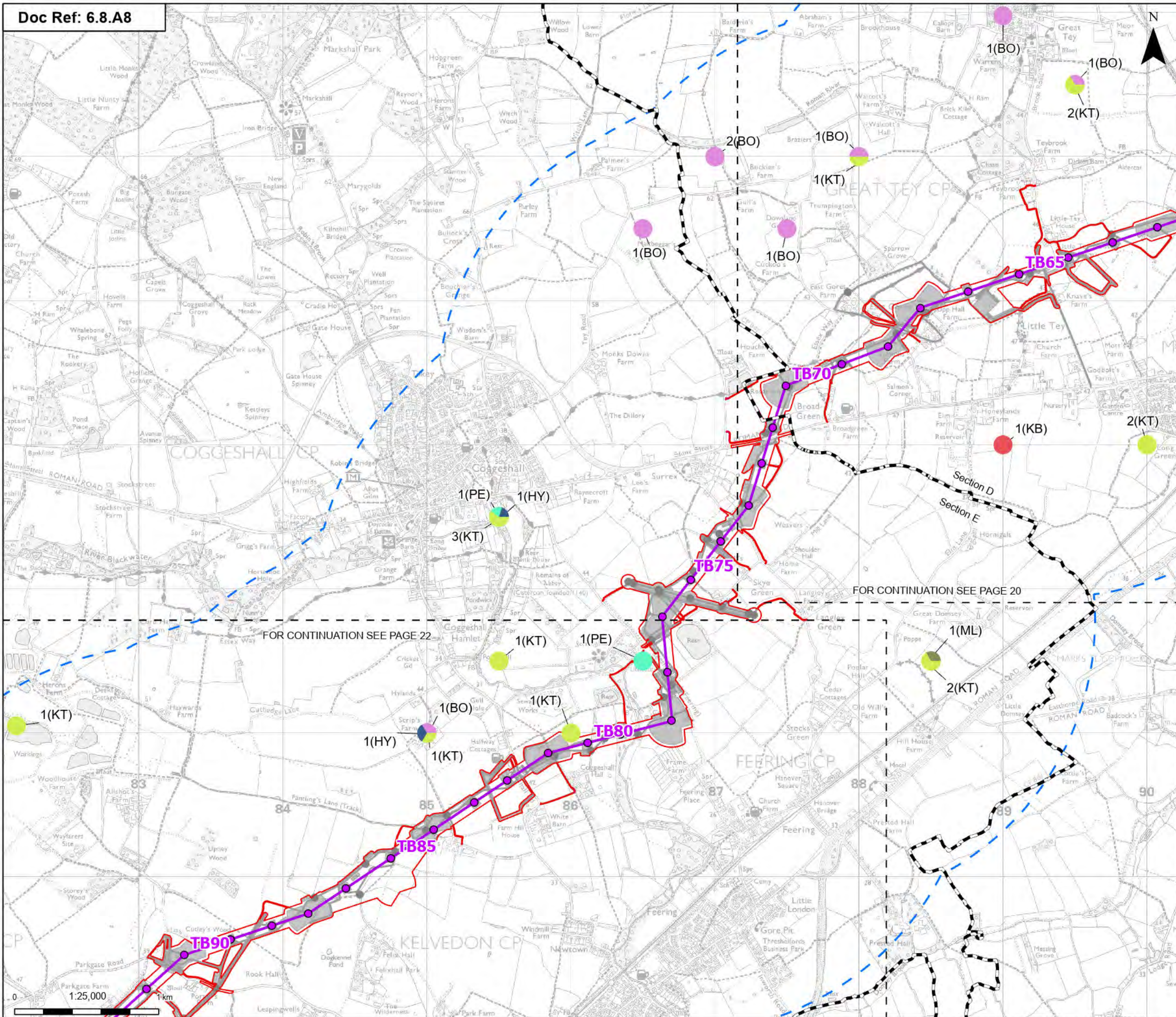
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280
Suitability Description: Accepted as Concept Stage			
Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00322		Revision: A





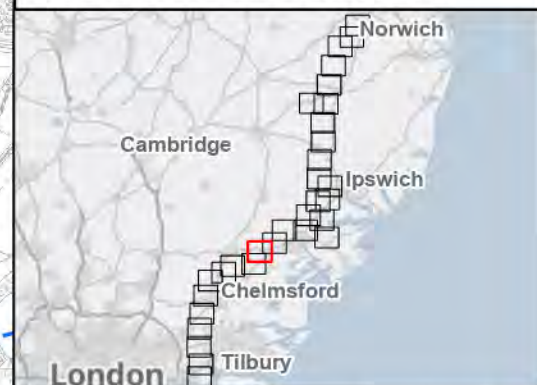






Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB
Rev	Date	Description	Drawn	Check	Approv

nationalgrid PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title: Figure A8.8.9 - Ecology and Biodiversity
Collision Risk Target Species
Raptors & Owls (Desk Study Data 2013-2022)
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00322	Revision: A
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