

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 - Tracked Changes Version - Part 3 of 4

Final Issue B

July 2026

Planning Inspectorate Reference: EN020027

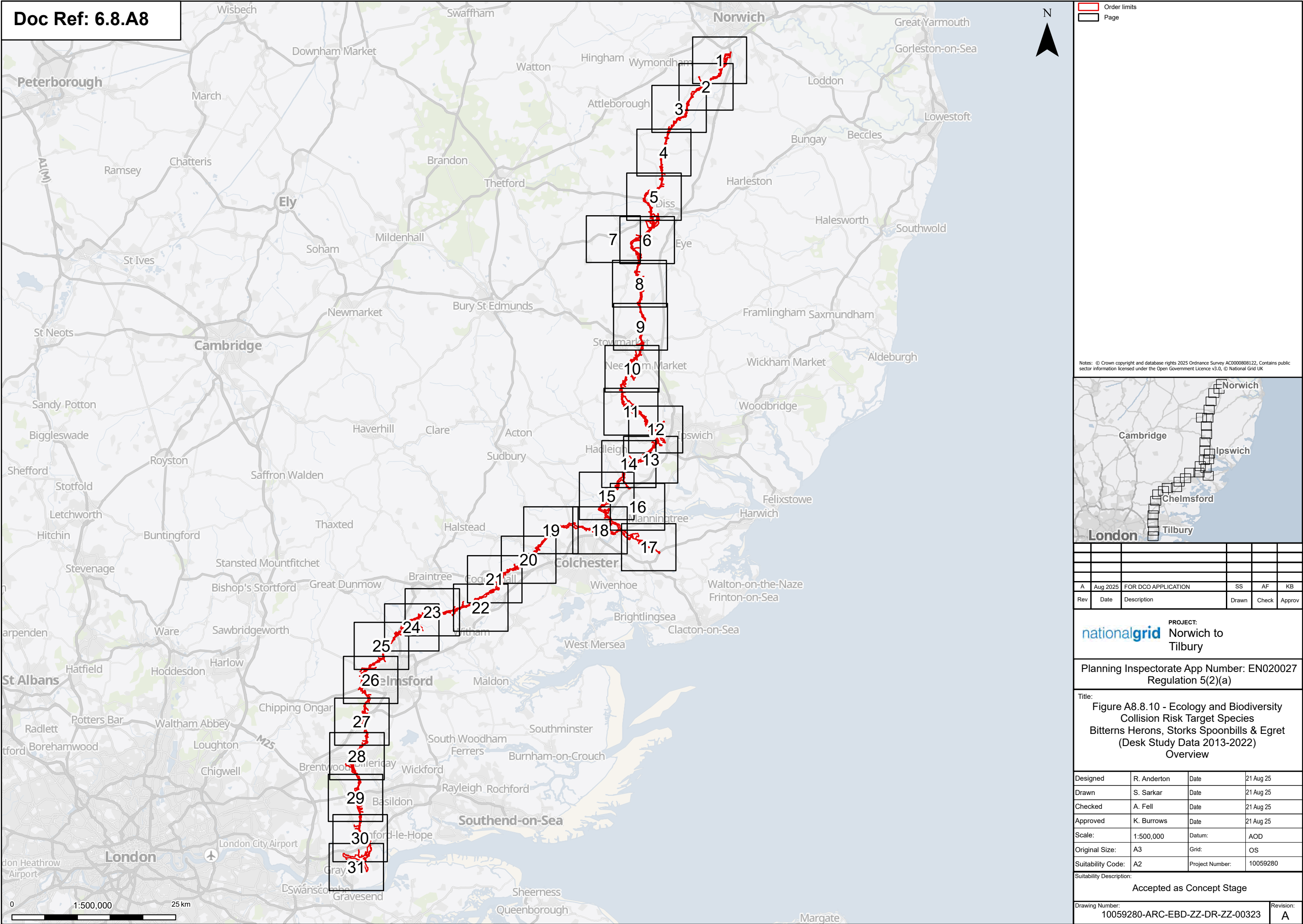
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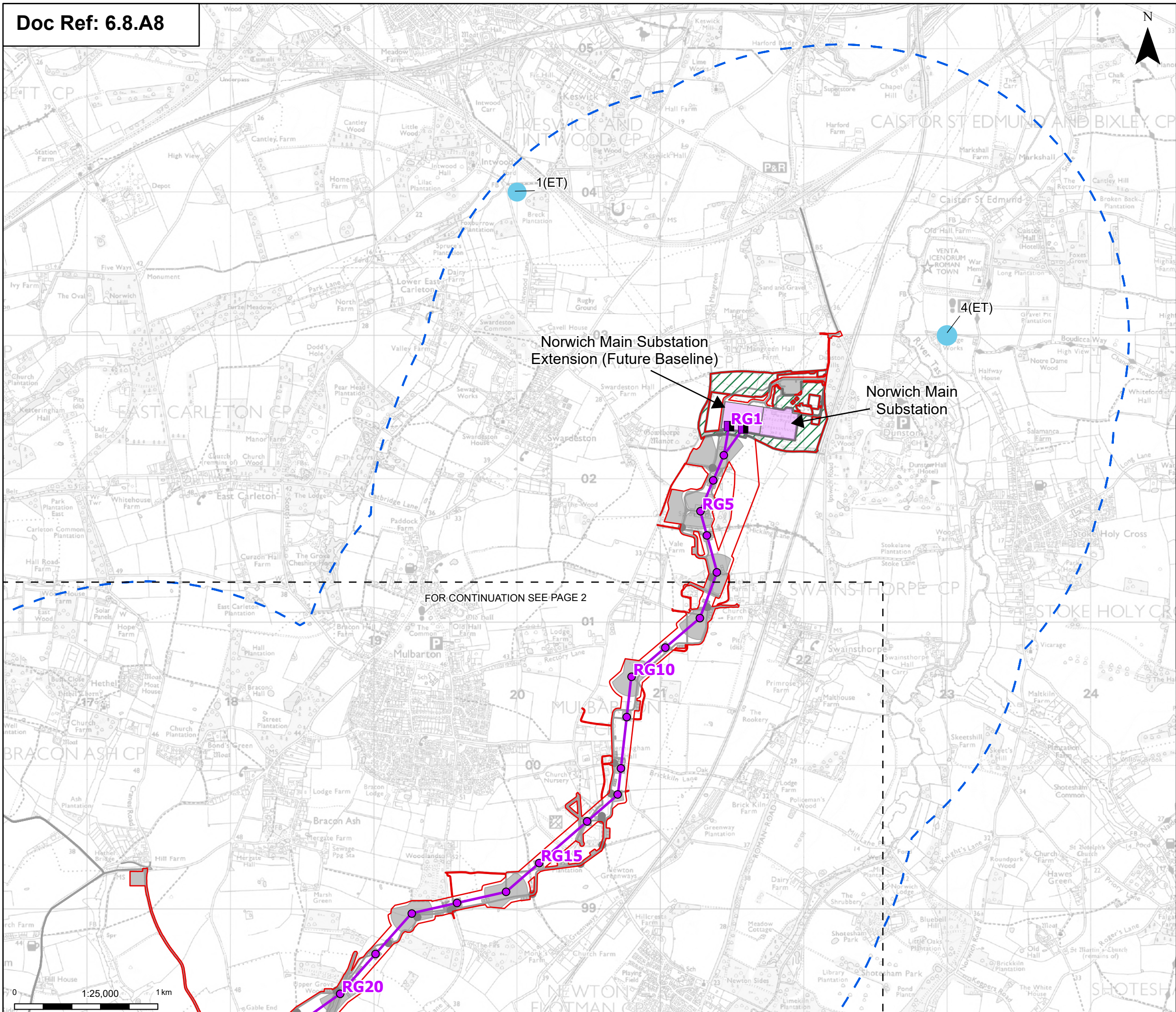
nationalgrid

Appendix A.

Figures

See parts 2 to 4





Order limits

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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 - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Little egret (ET)

Spoonbill (NB)

White stork (OR)

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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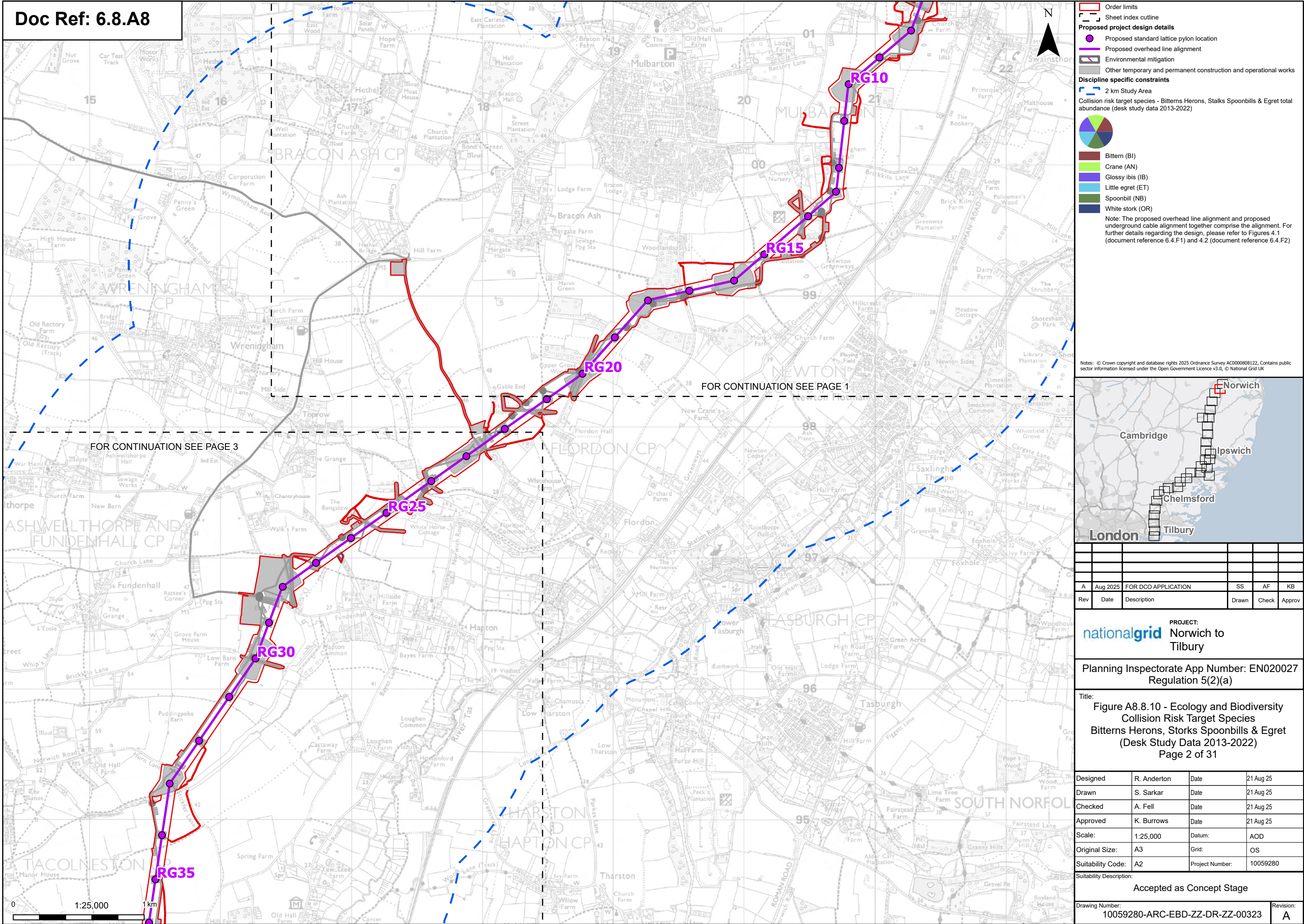
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Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 1 of 31

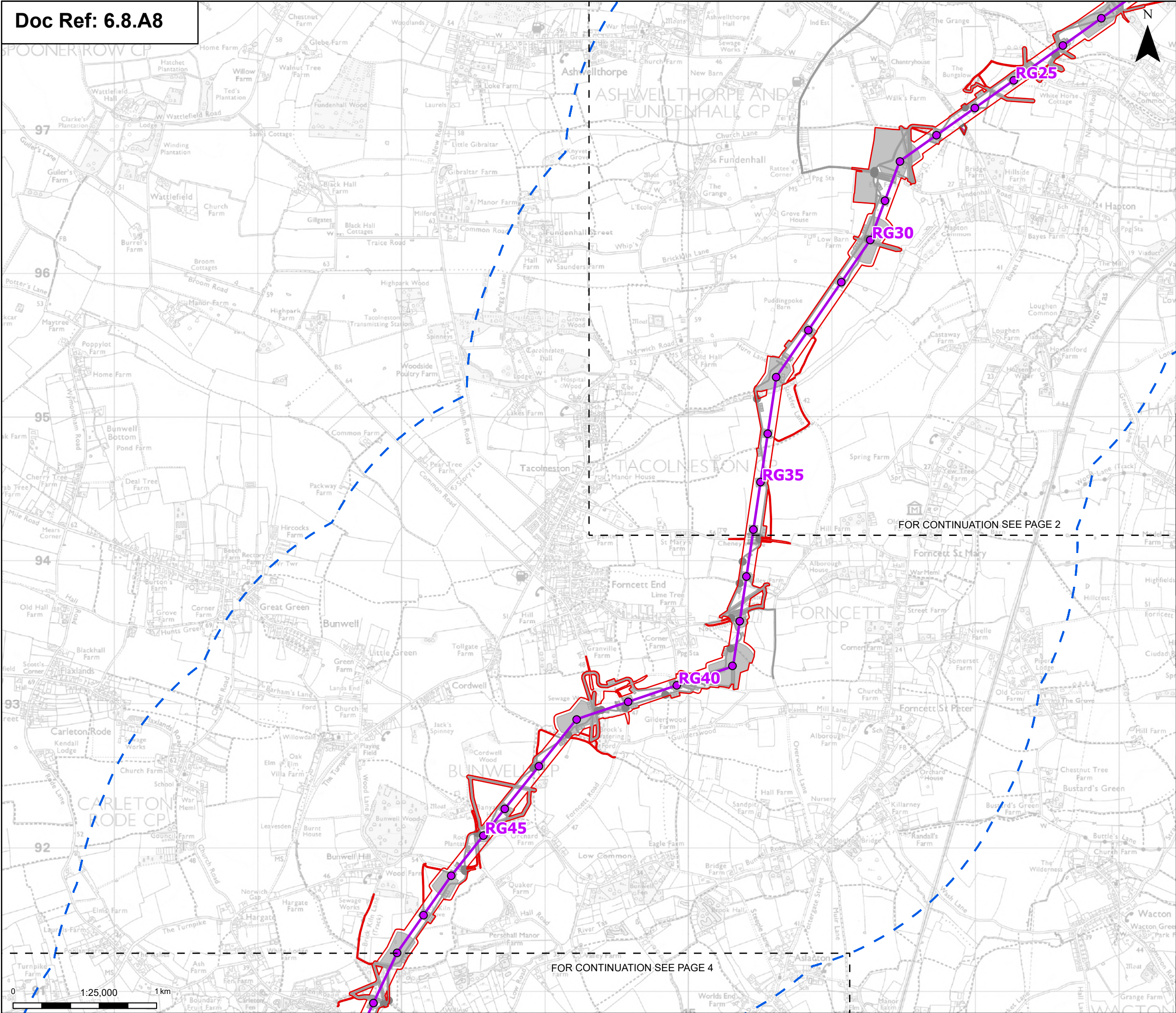
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Approved	K. Burrows	Date	21 Aug 25
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Order limits

Sheet index cutline

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 - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

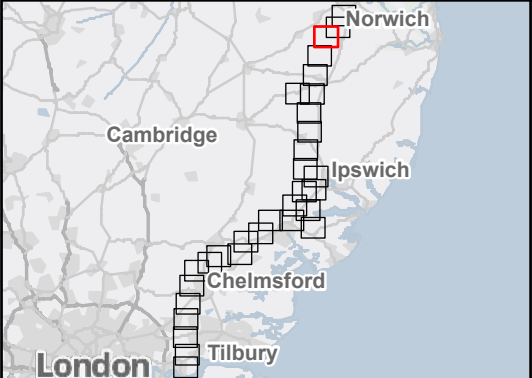
Little egret (ET)

Spoonbill (NB)

White stork (OR)

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 A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
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Discipline specific constraints

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Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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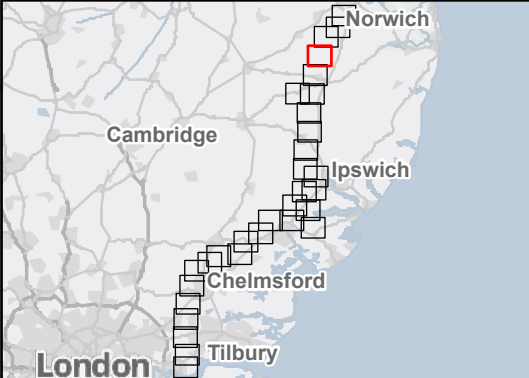
Little egret (ET)

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White stork (OR)

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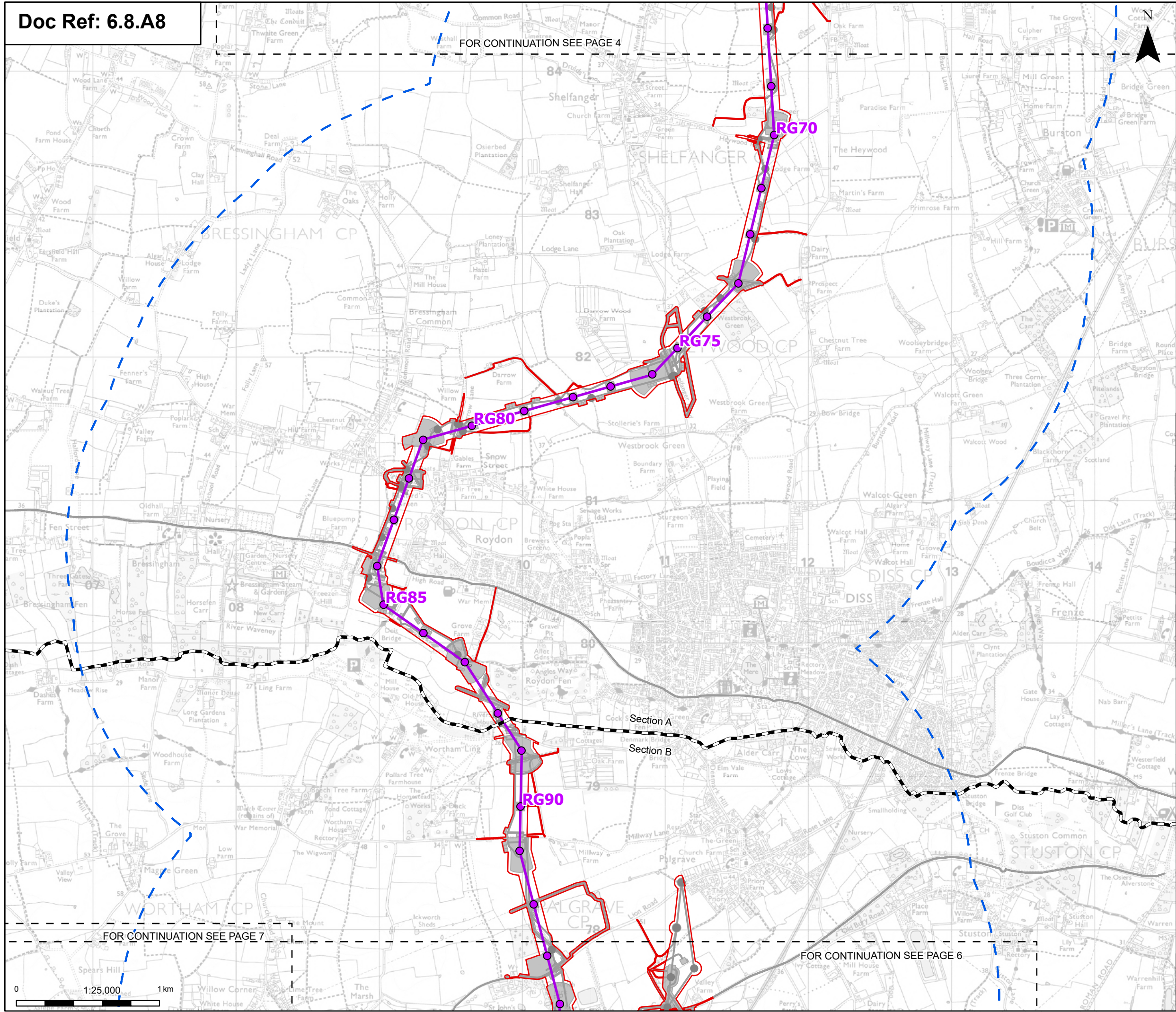
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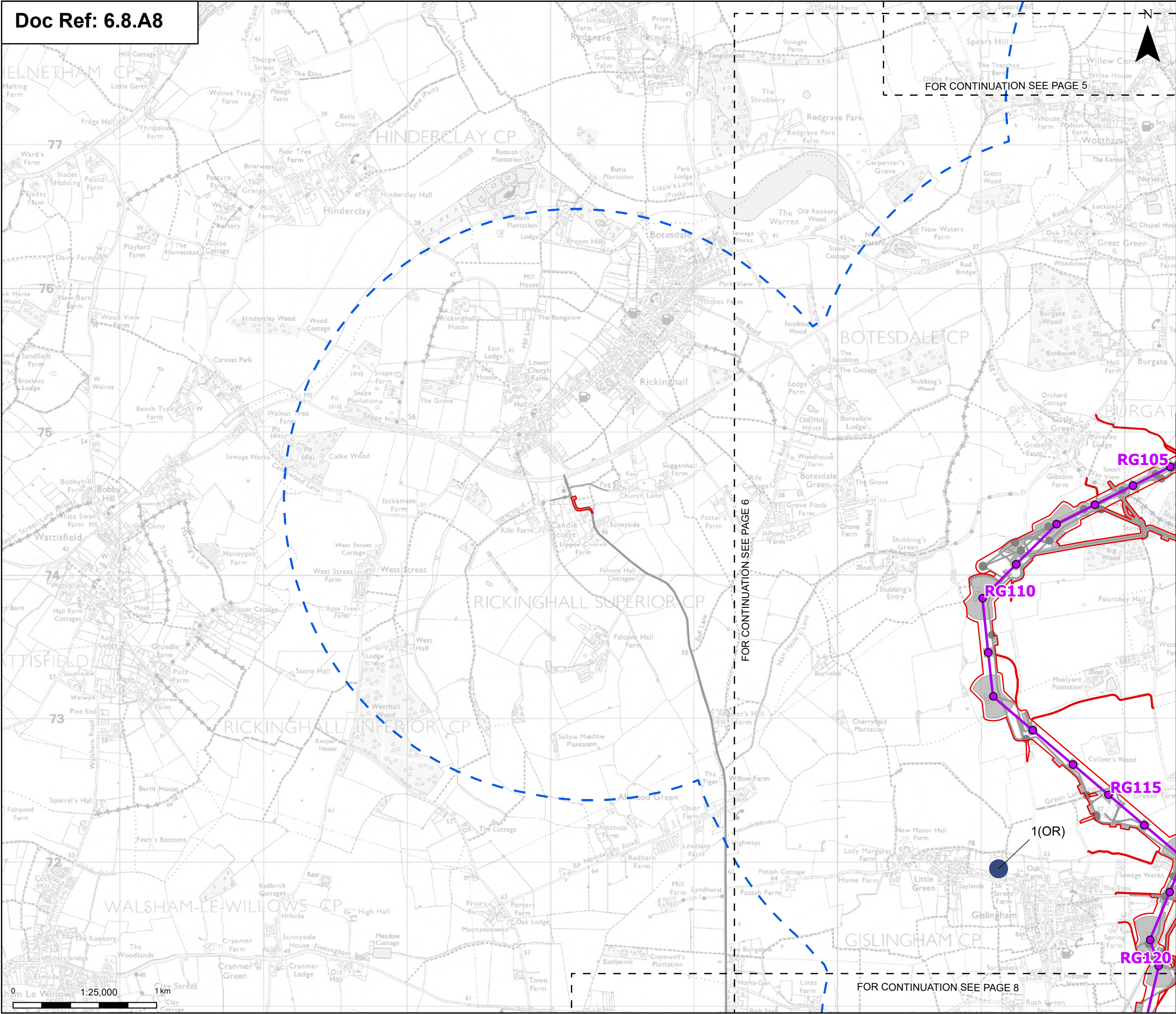
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Collision Risk Target Species
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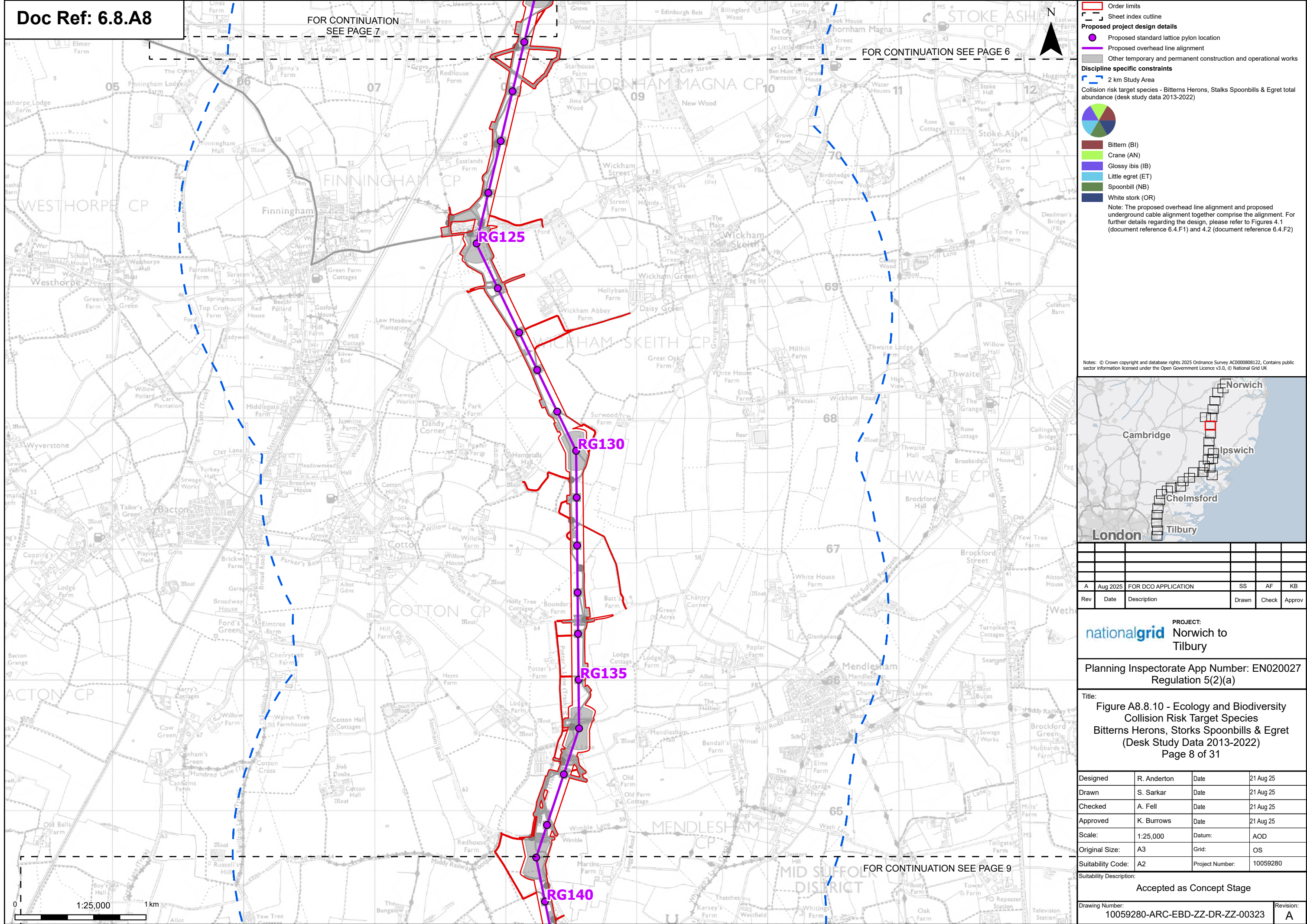
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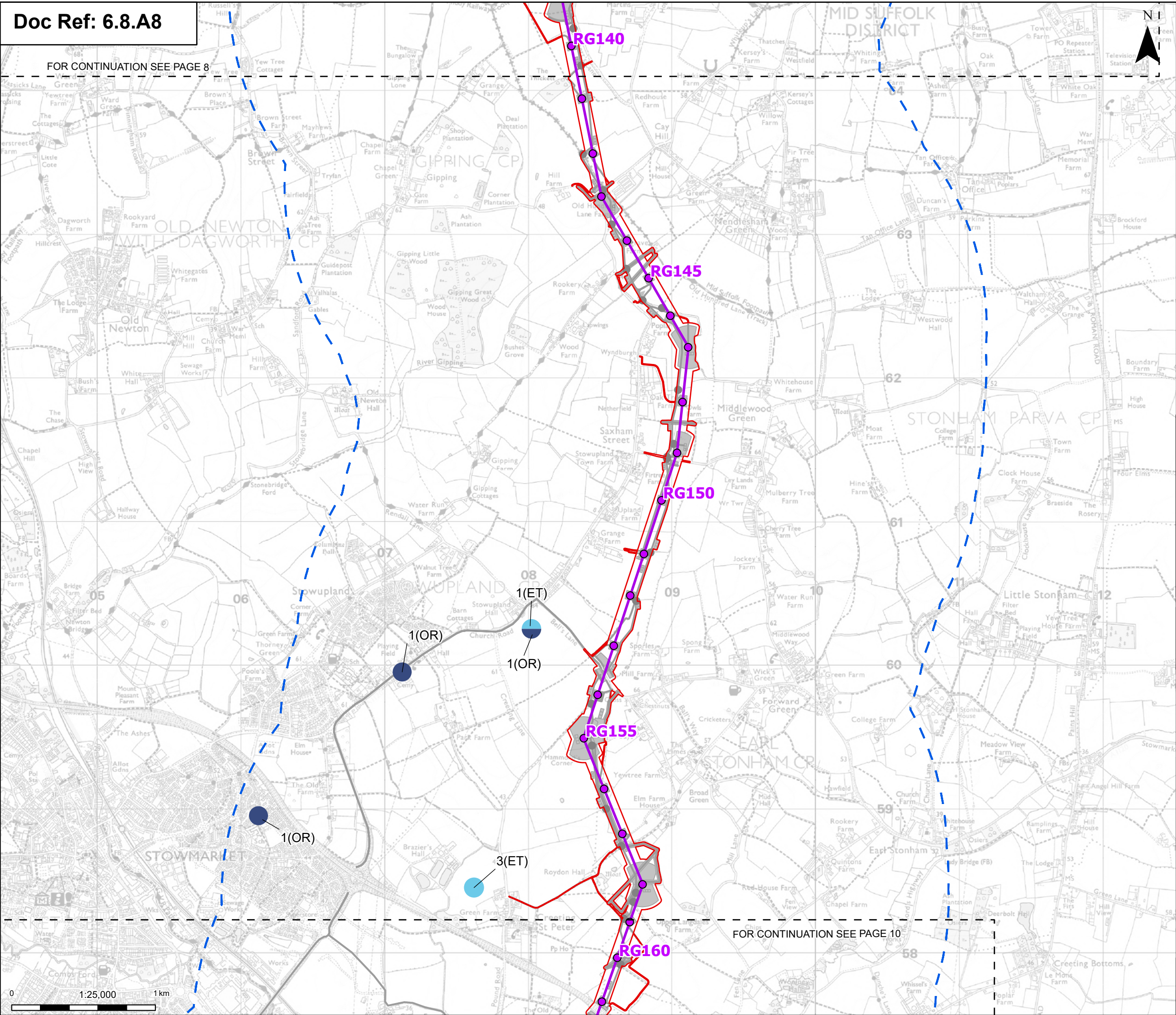
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Proposed project design details

- 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 - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

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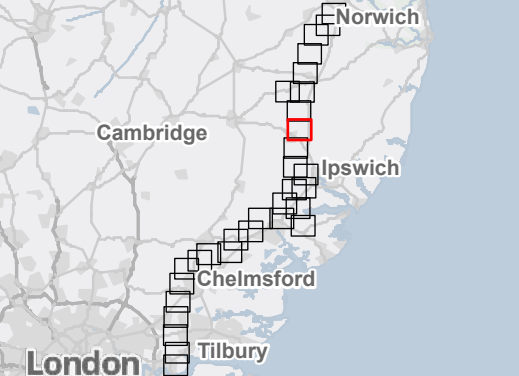
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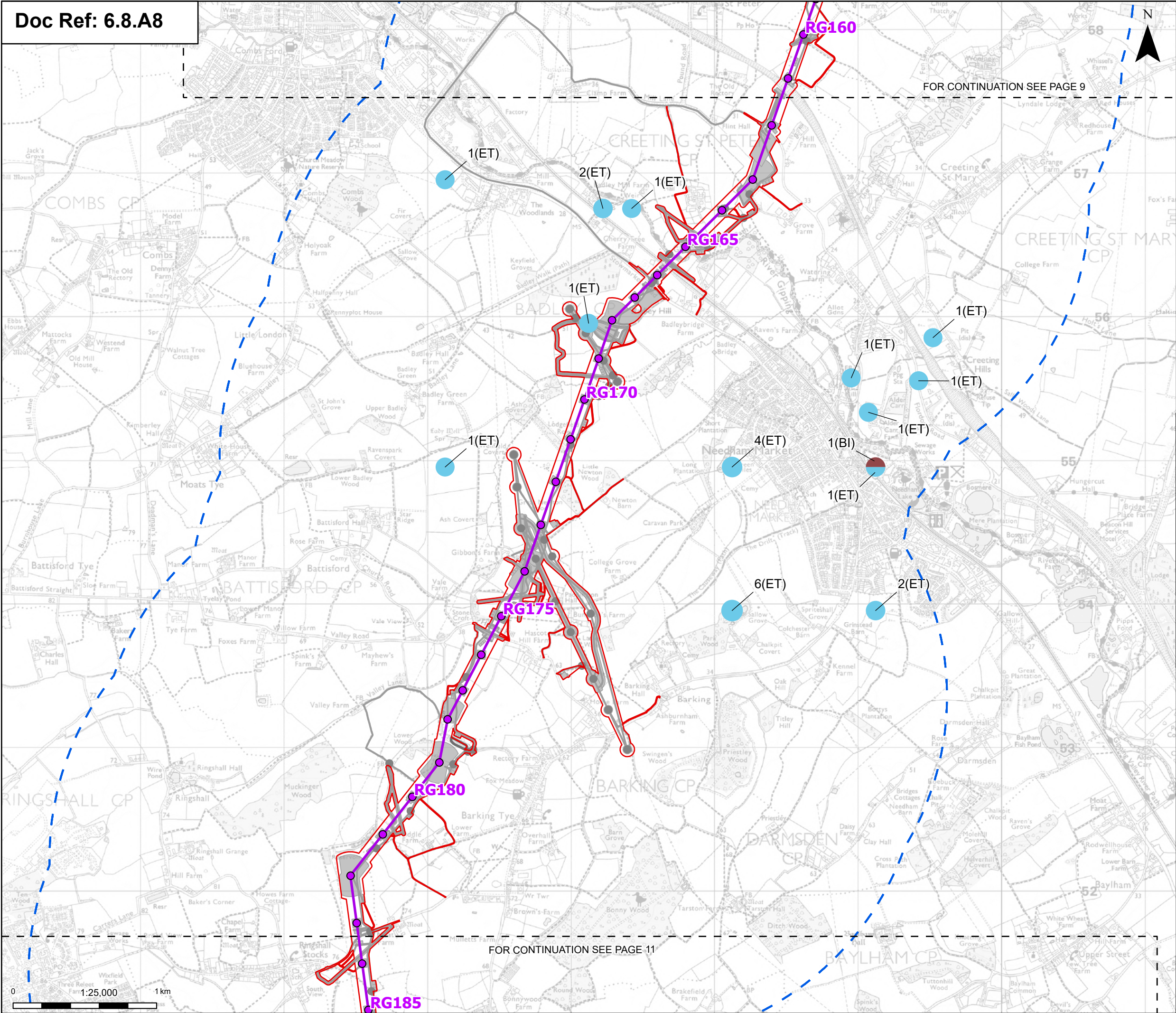
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Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
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Revision:
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Order limits

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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 - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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Bitterns Herons, Storks Spoonbills & Egret
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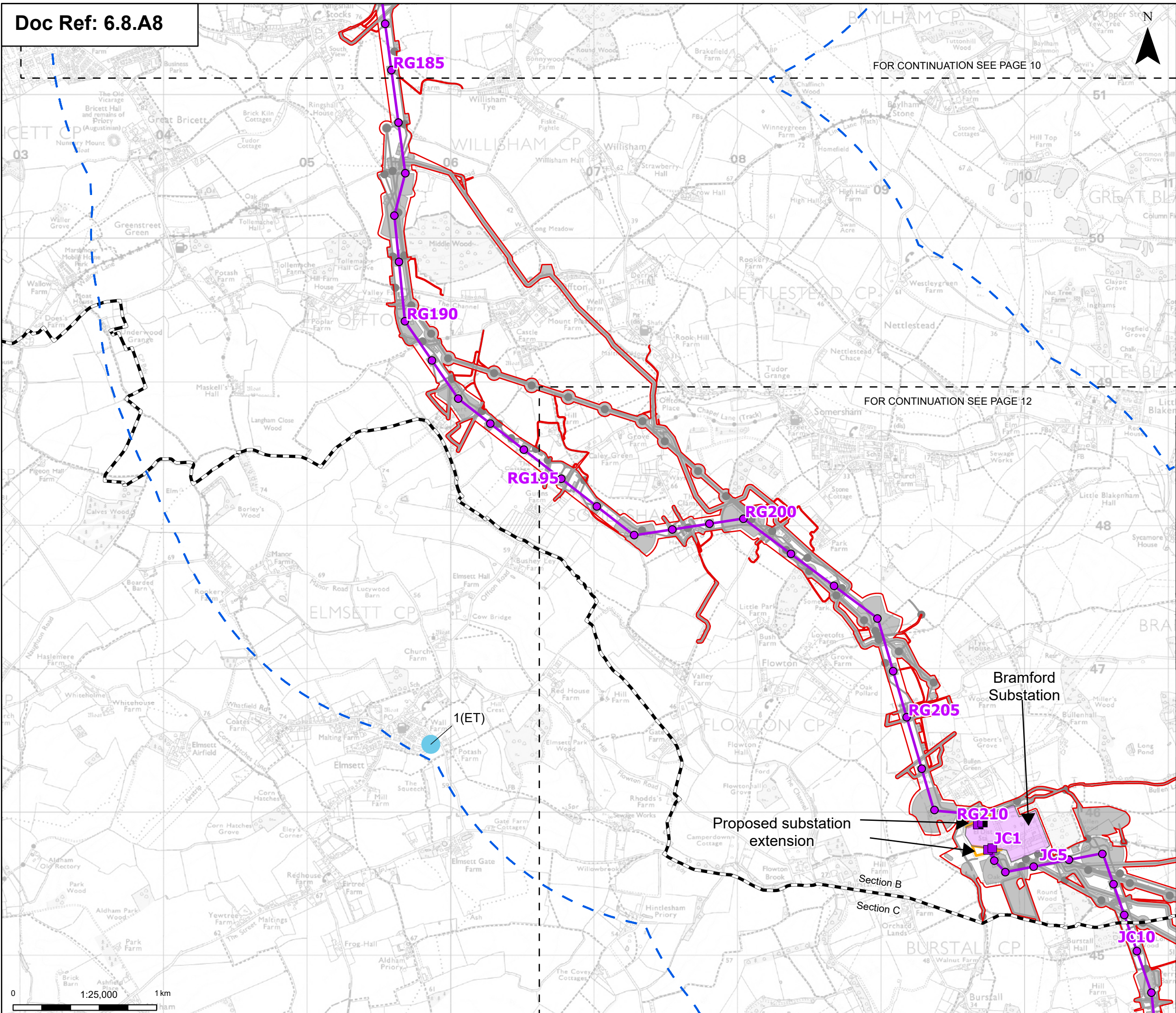
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- Project section line

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

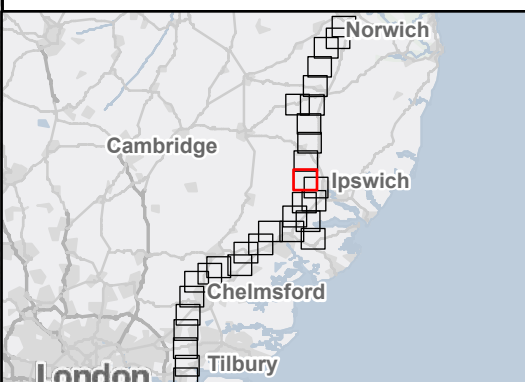
- 2 km Study Area

Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

- Bittern (BI)
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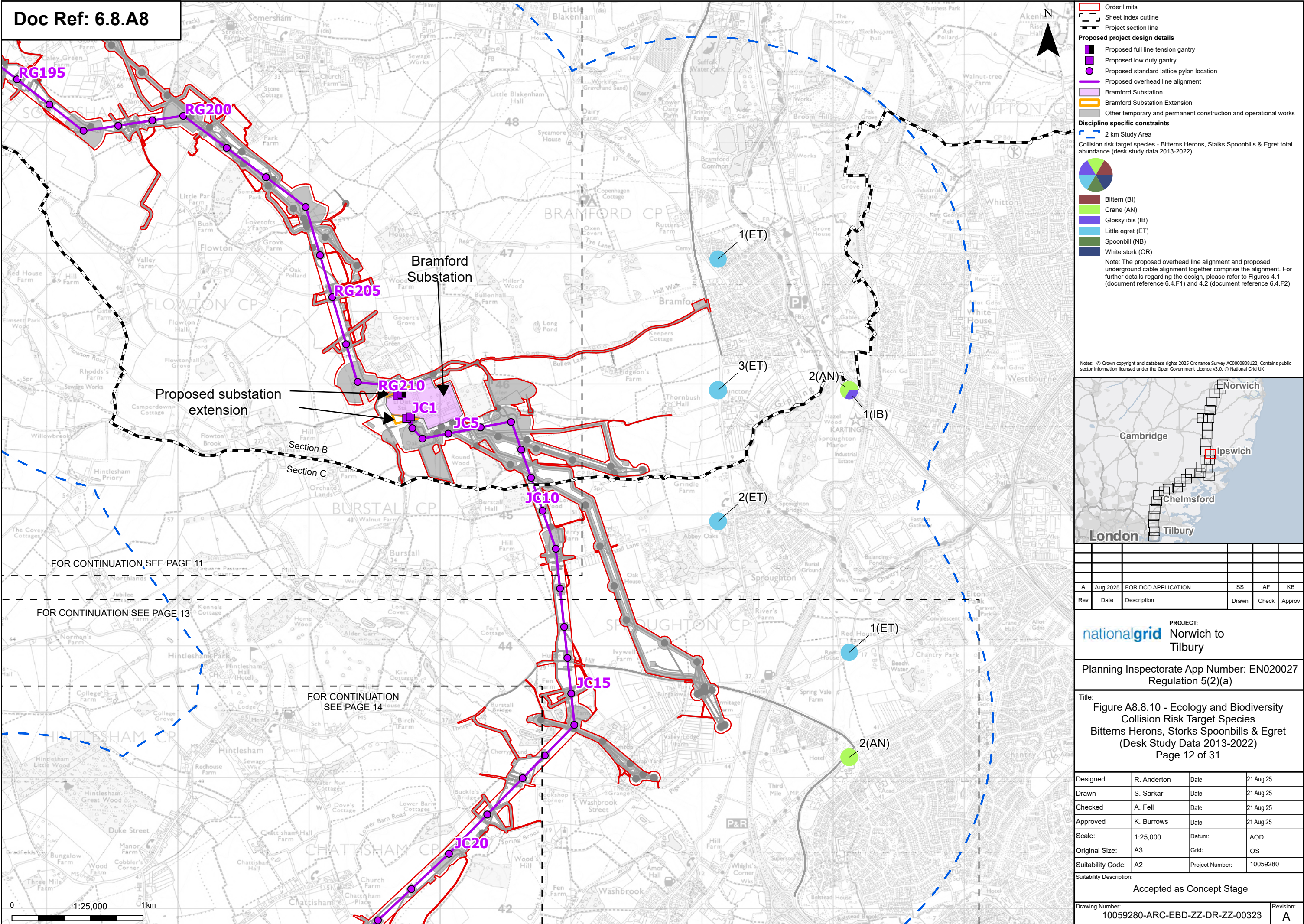
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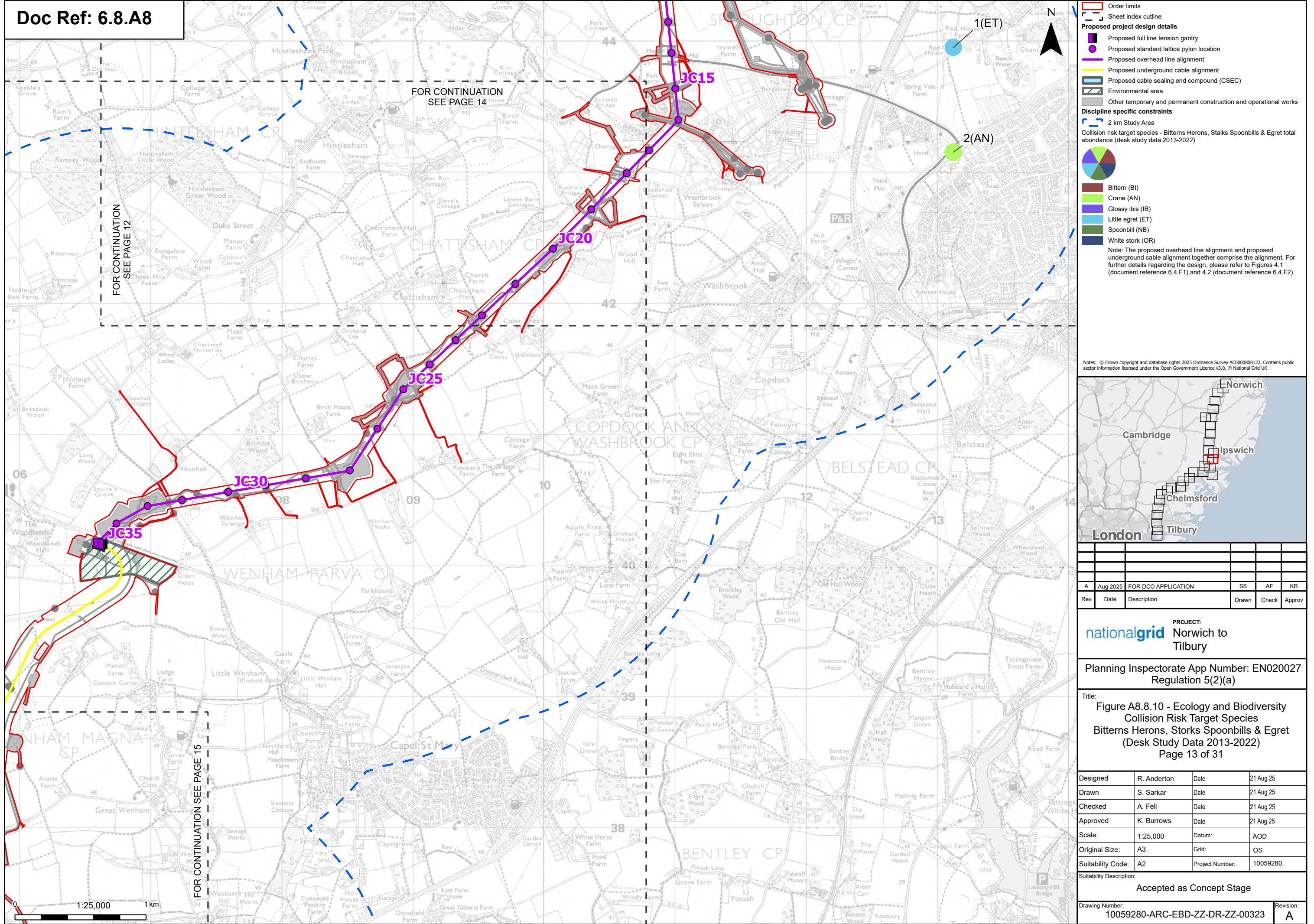
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Bitterns Herons, Storks Spoonbills & Egret
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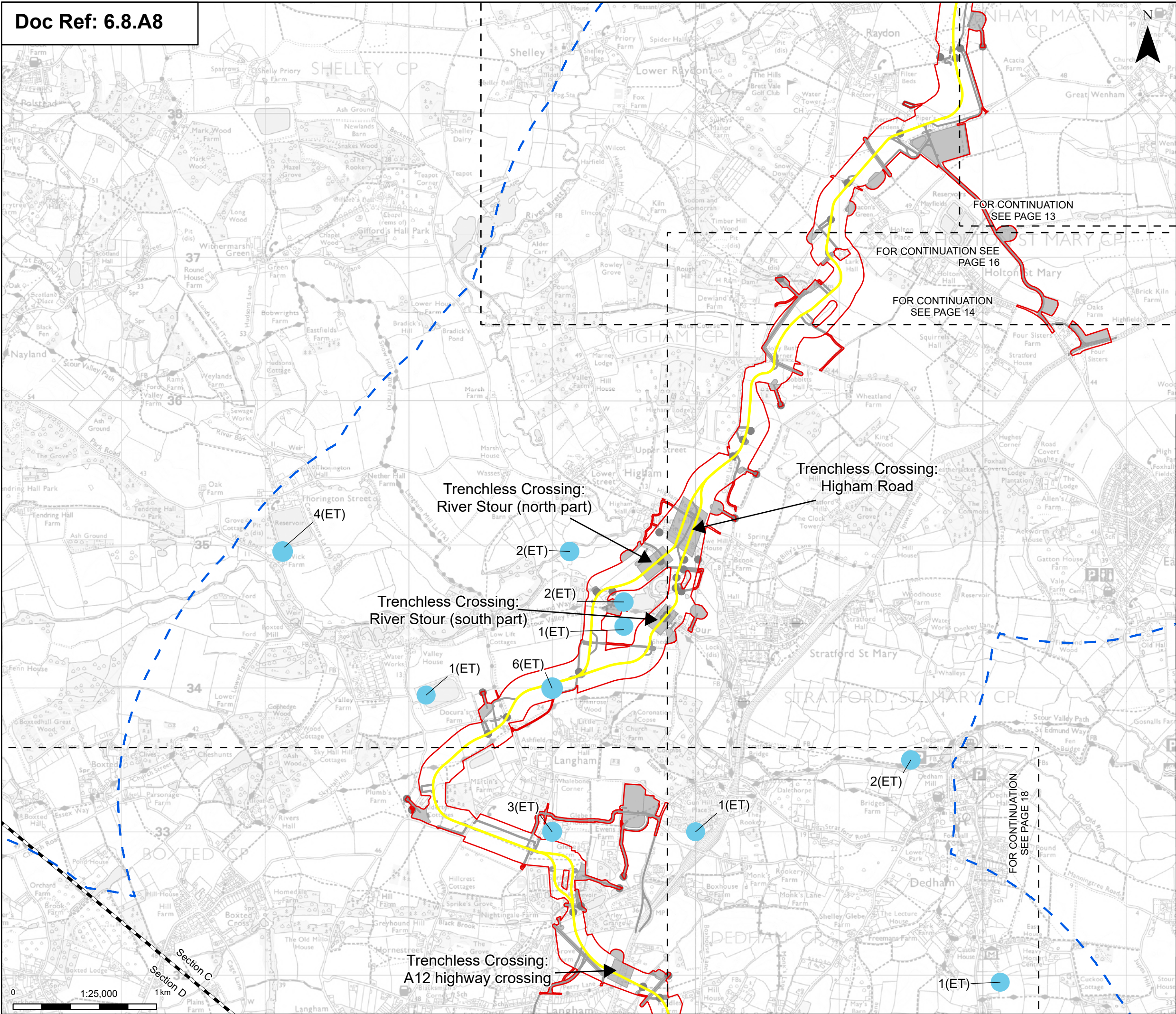
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Proposed underground cable alignment

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Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

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Glossy ibis (IB)

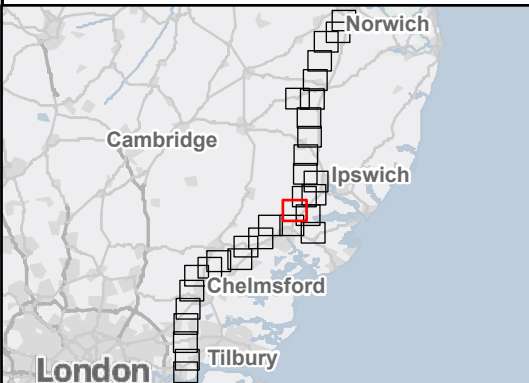
Little egret (ET)

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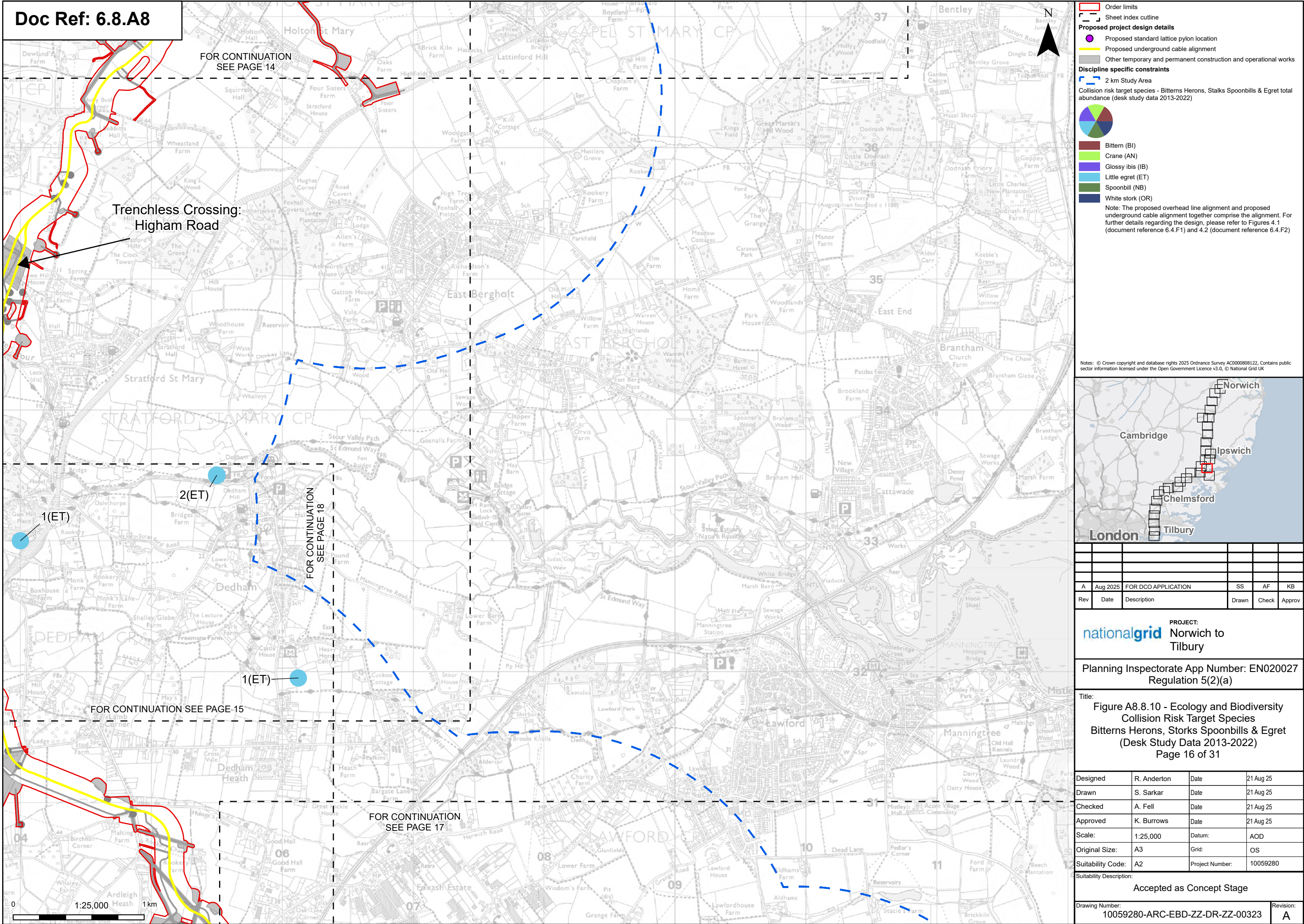
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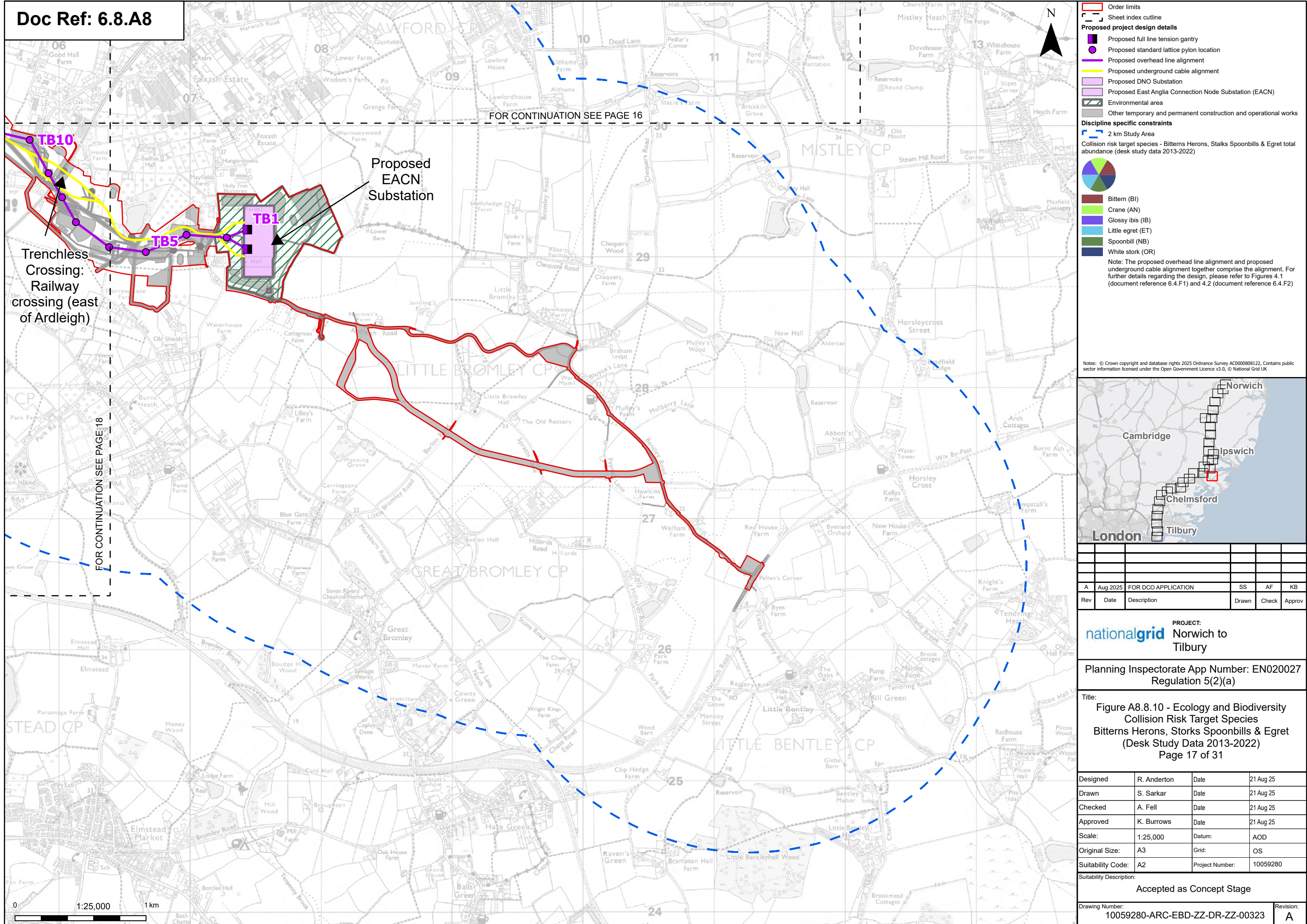
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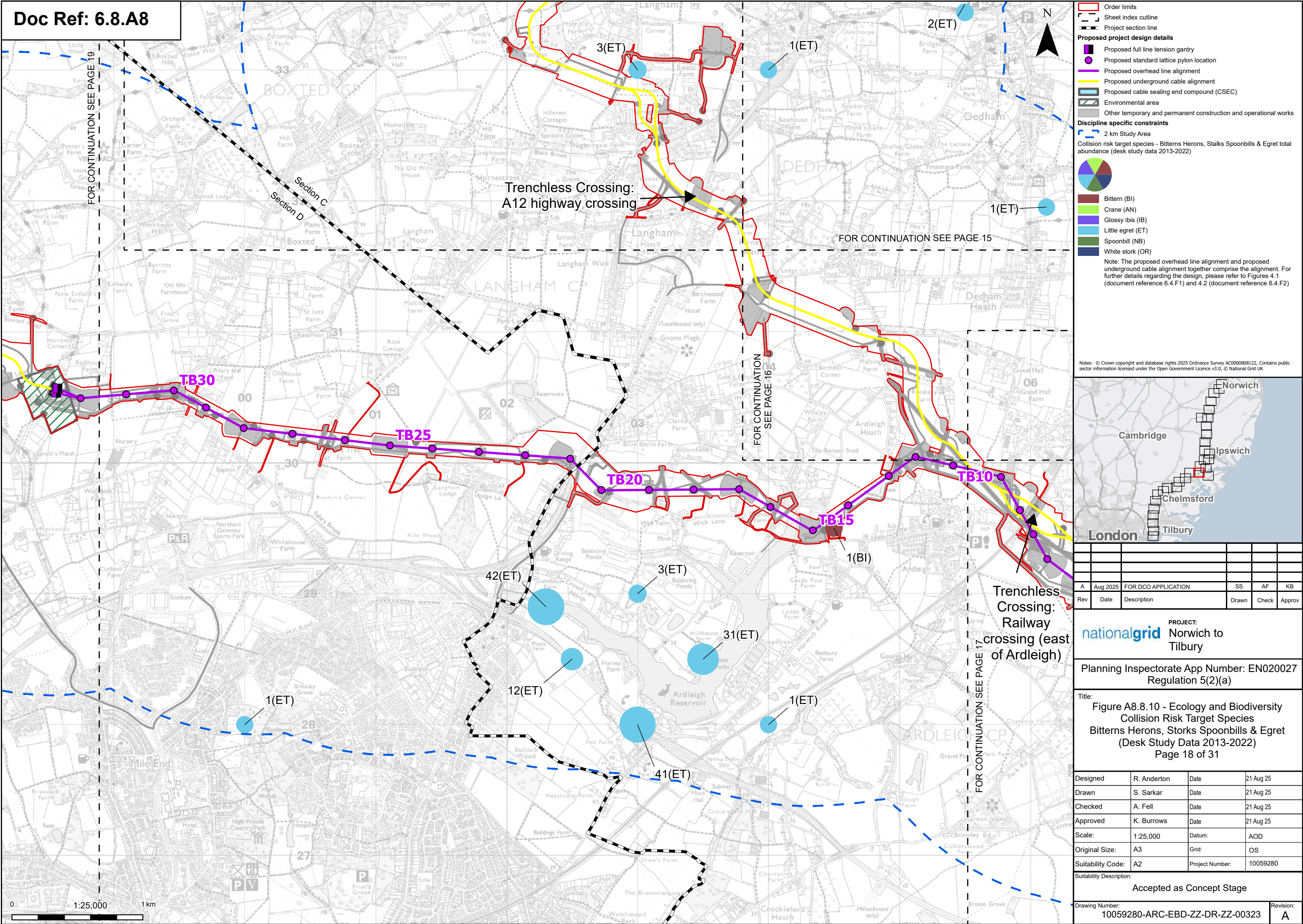
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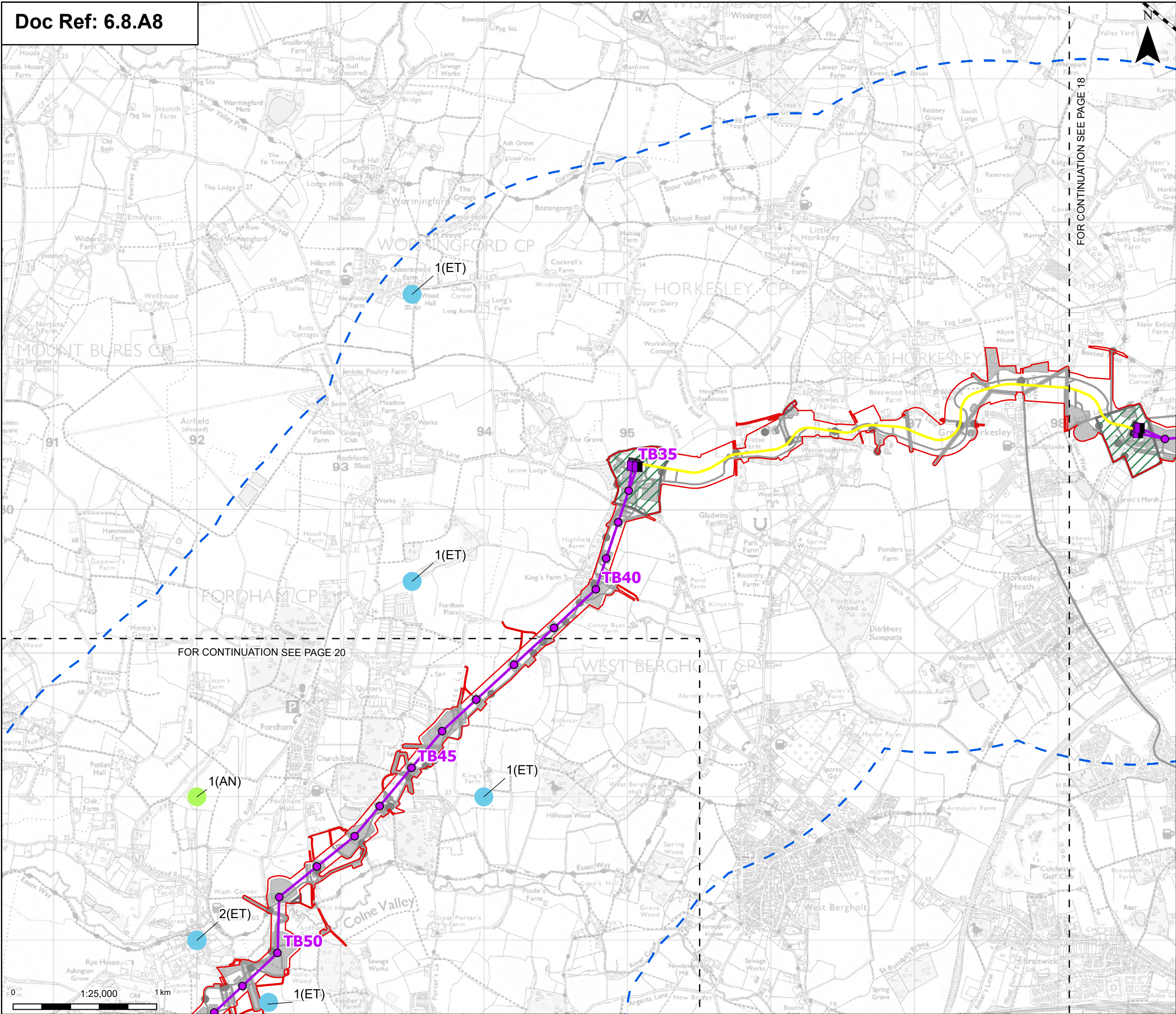
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- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
-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

Discipline specific constraints

- 2 km Study Area

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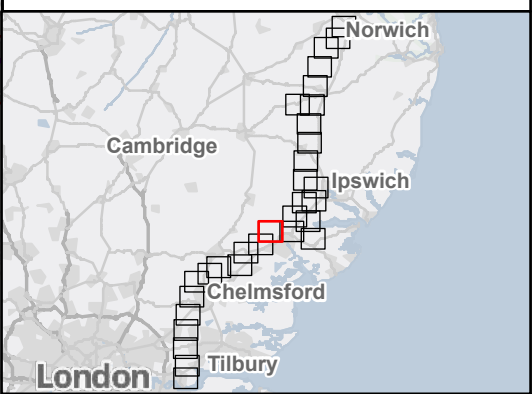
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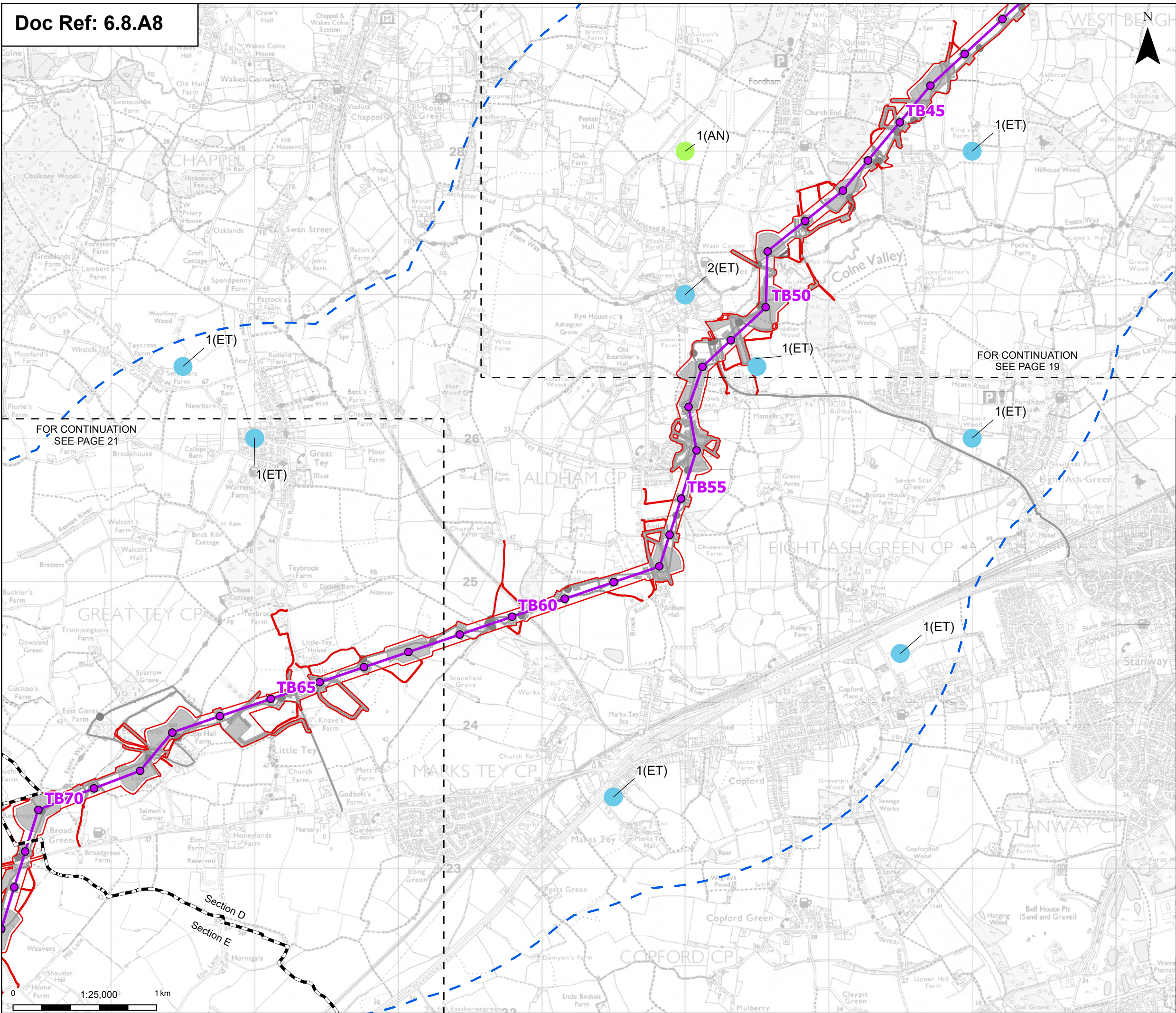
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00323	Revision: A
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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 - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Little egret (ET)

Spoonbill (NB)

White stork (OR)

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 A8.8.10 - Ecology and Biodiversity Collision Risk Target Species Bitterns Herons, Storks Spoonbills & Egret (Desk Study Data 2013-2022)

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Suitability Description:

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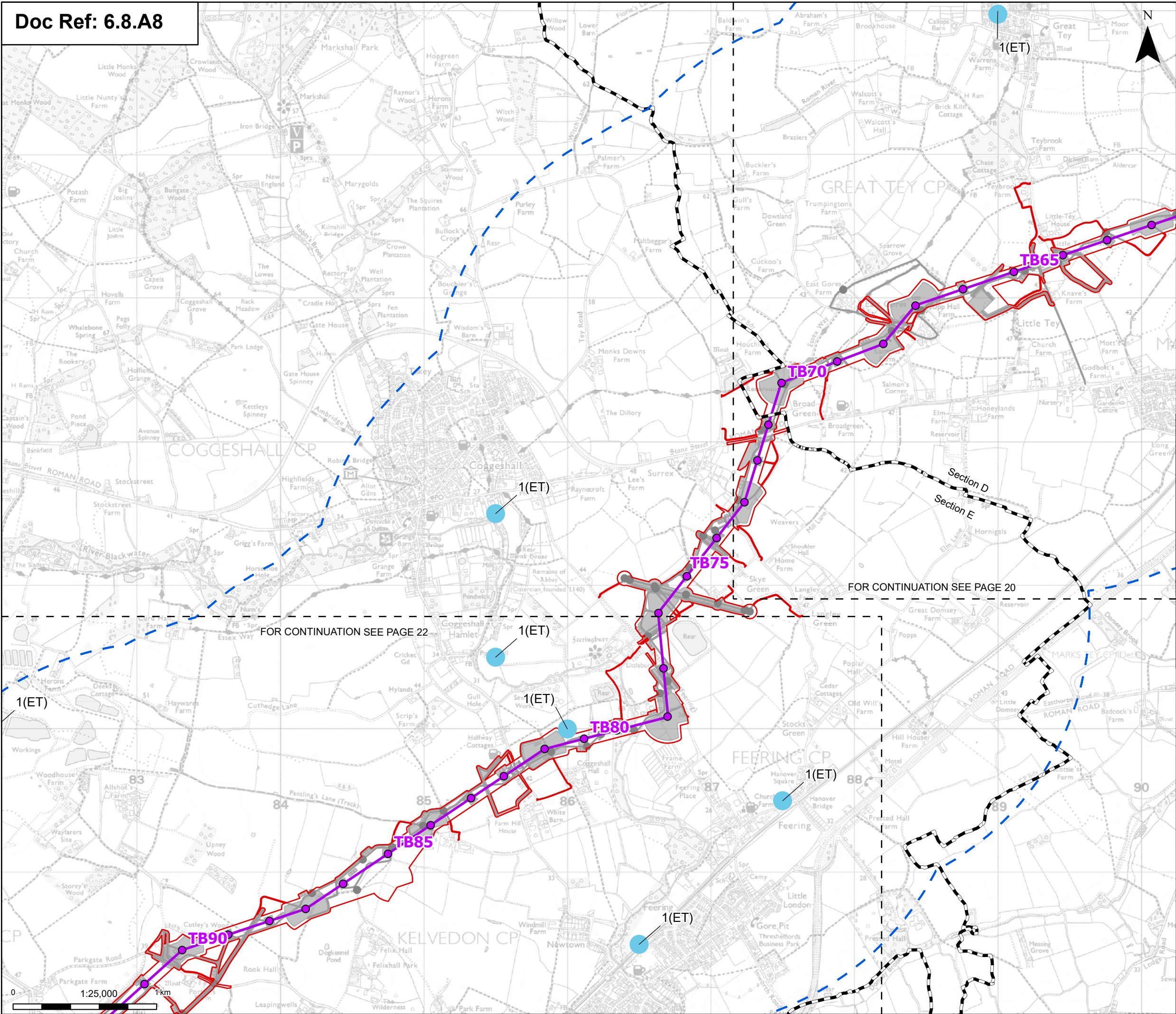
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Discipline specific constraints

2 km Study Area

Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Little egret (ET)

Spoonbill (NB)

White stork (OR)

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)

Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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PROJECT:

nationalgrid

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

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Title:

Figure A8.8.10 - Ecology and Biodiversity

Collision Risk Target Species

Bitterns Herons, Storks Spoonbills & Egret

(Desk Study Data 2013-2022)

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Accepted as Concept Stage

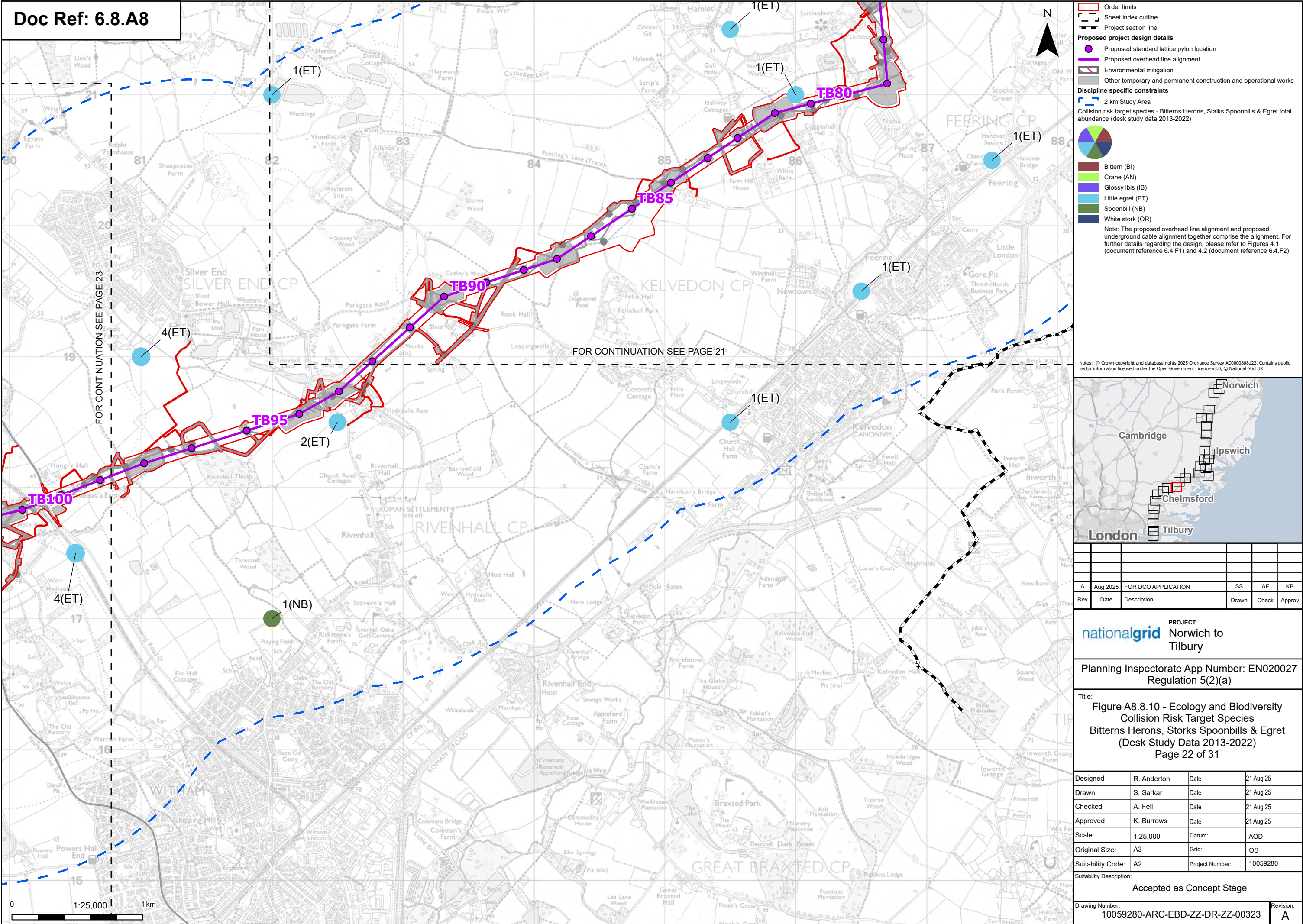
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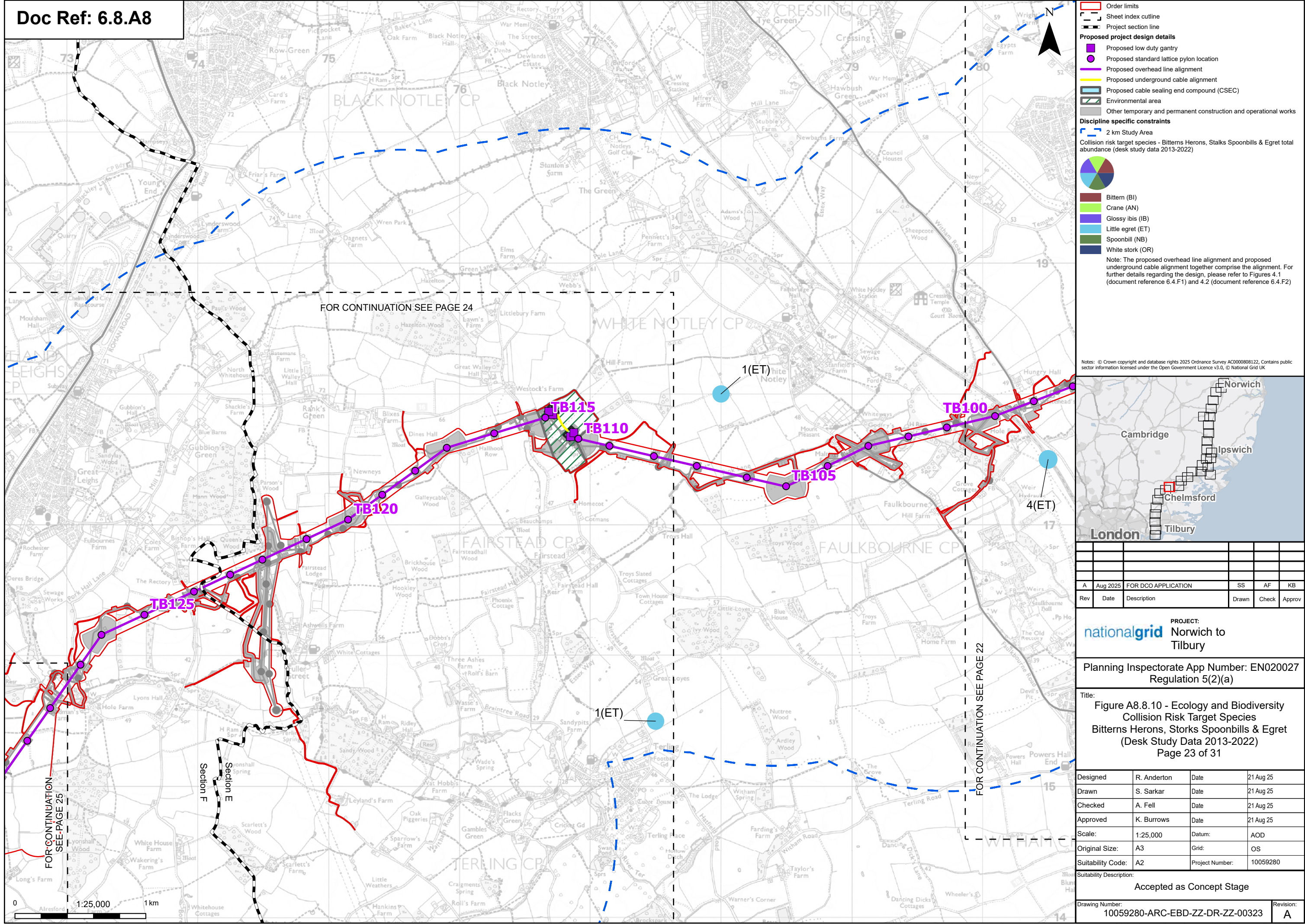
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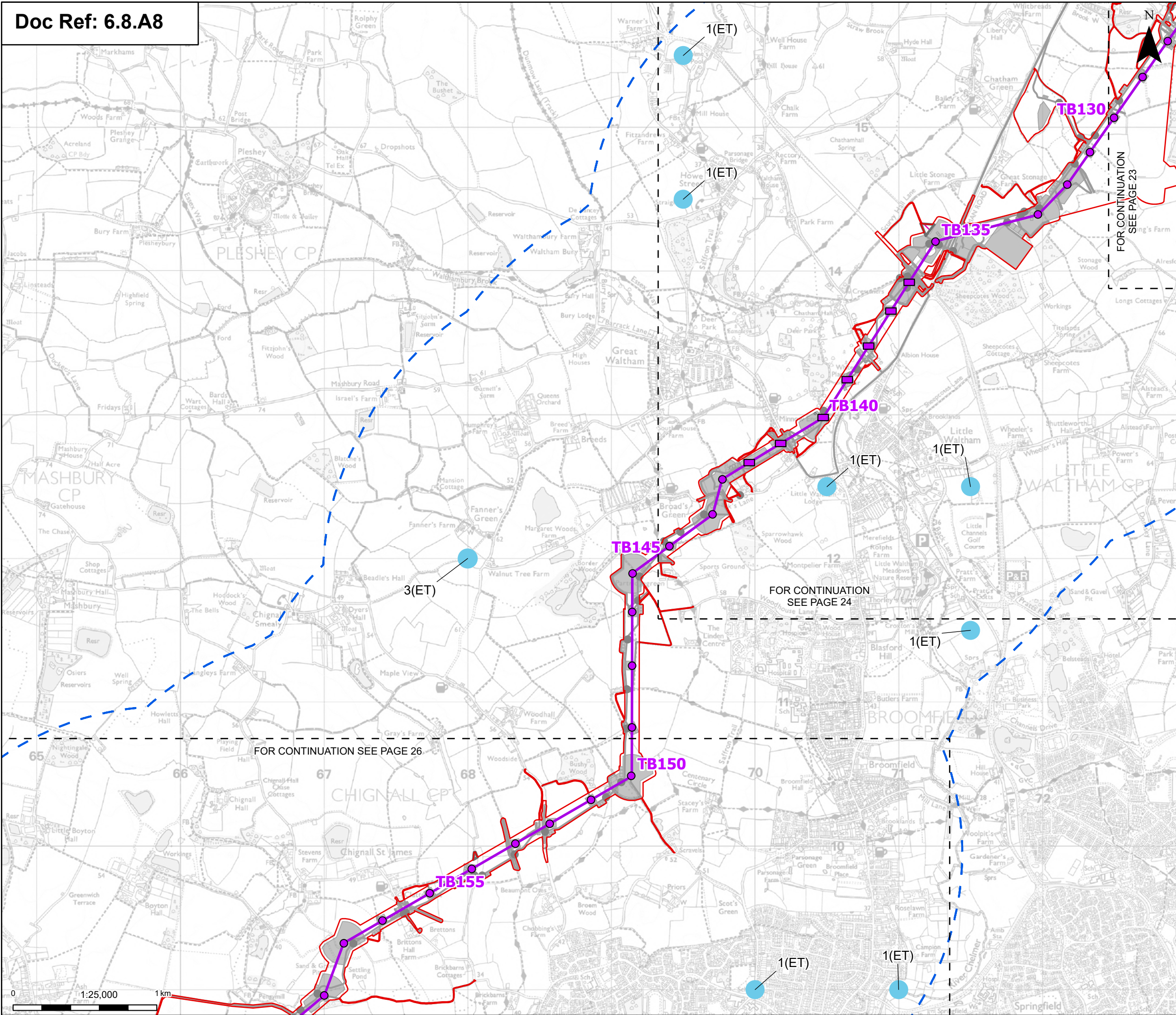
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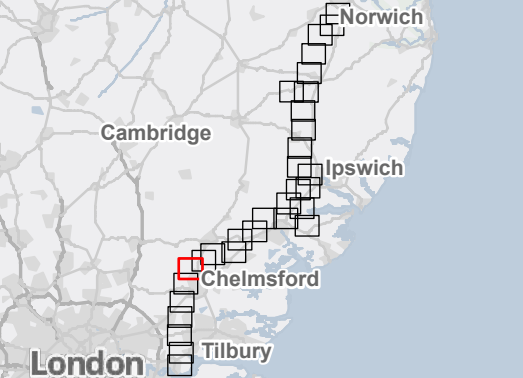
- 2 km Study Area
- Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Legend

- Bittern (BI)
- Crane (AN)
- Glossy ibis (IB)
- Little egret (ET)
- Spoonbill (NB)
- White stork (OR)

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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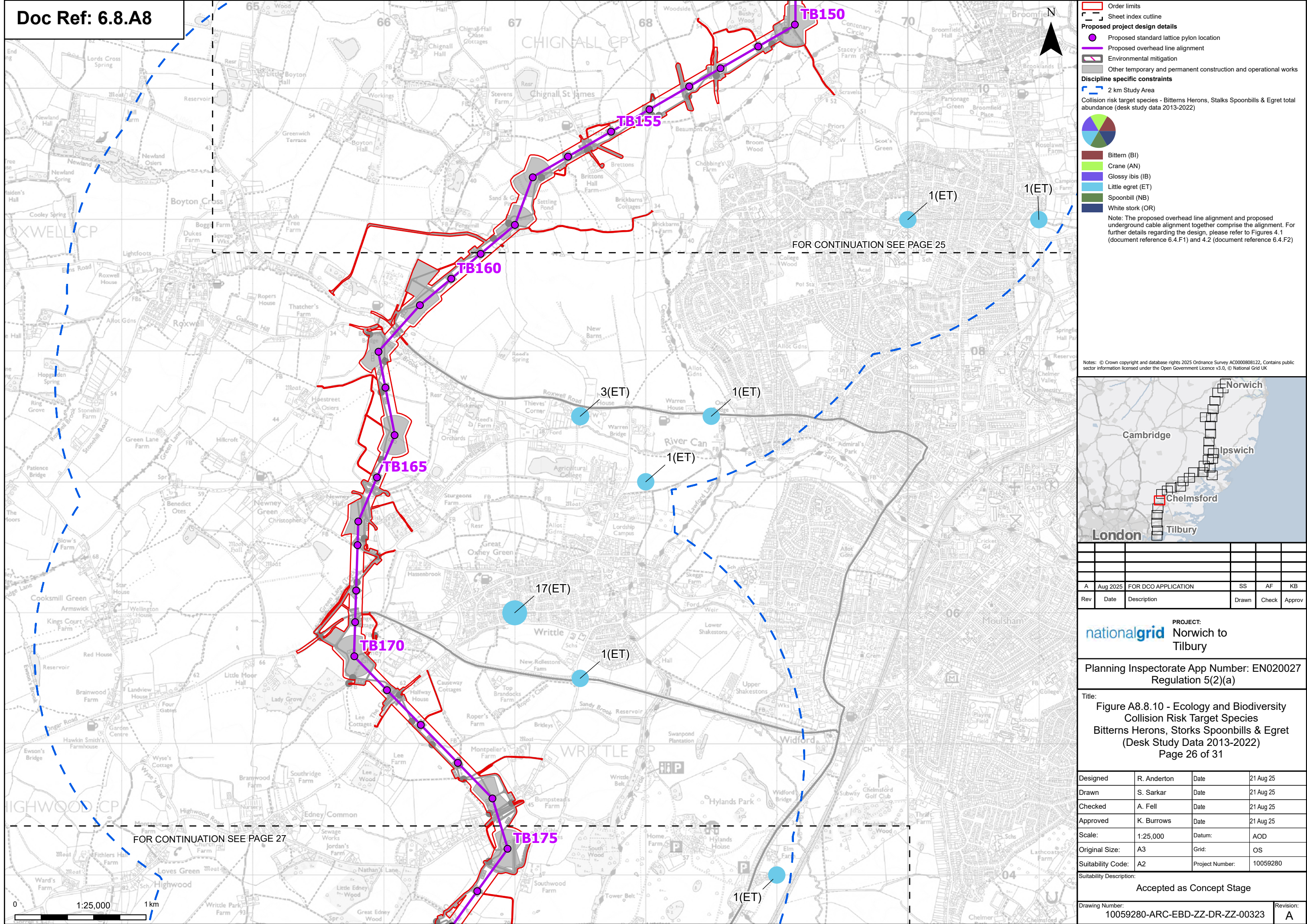
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Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
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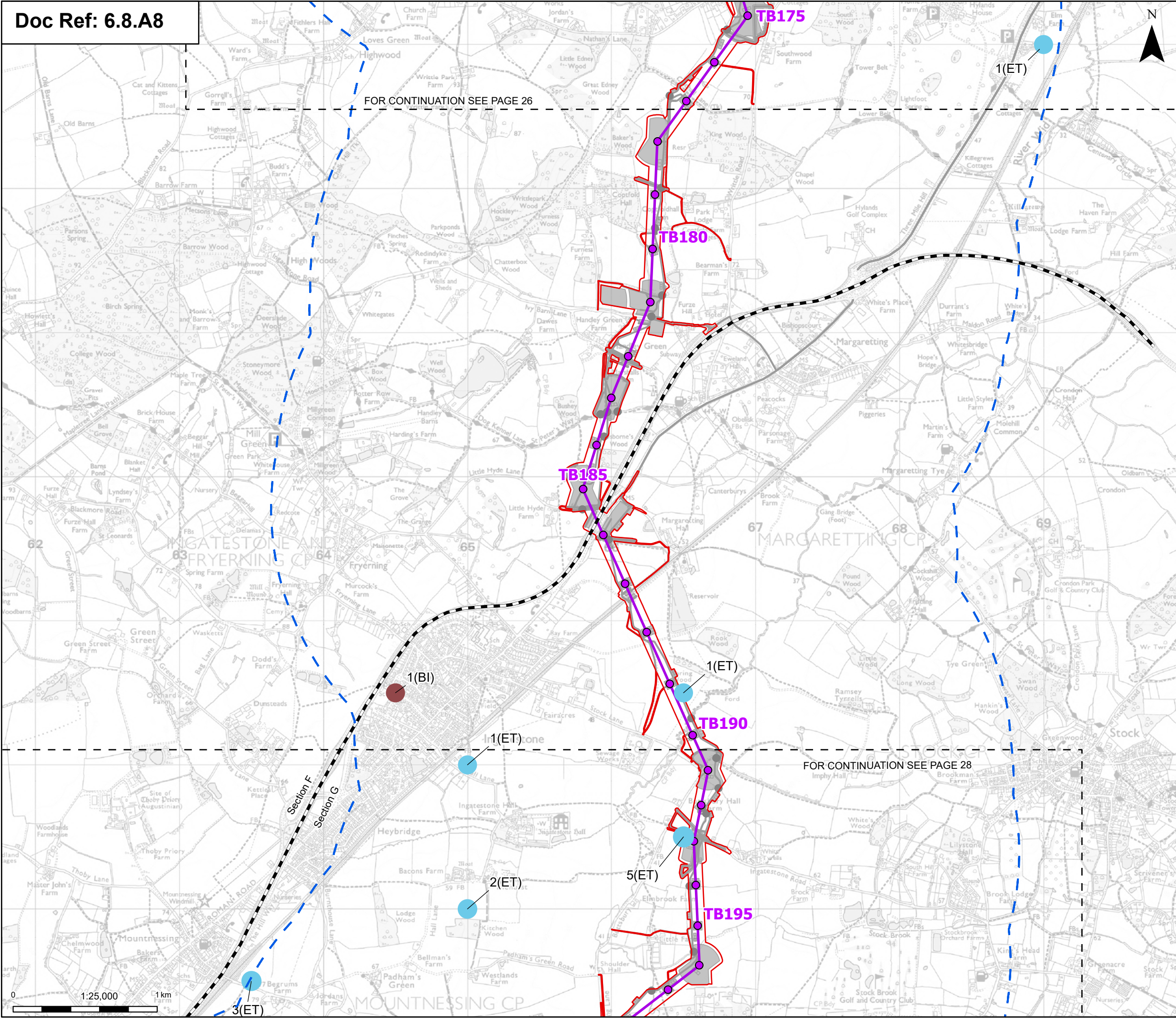
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Discipline specific constraints

2 km Study Area

Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Little egret (ET)

Spoonbill (NB)

White stork (OR)

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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Figure A8.8.10 - Ecology and Biodiversity Collision Risk Target Species Bitterns Herons, Storks Spoonbills & Egret (Desk Study Data 2013-2022)

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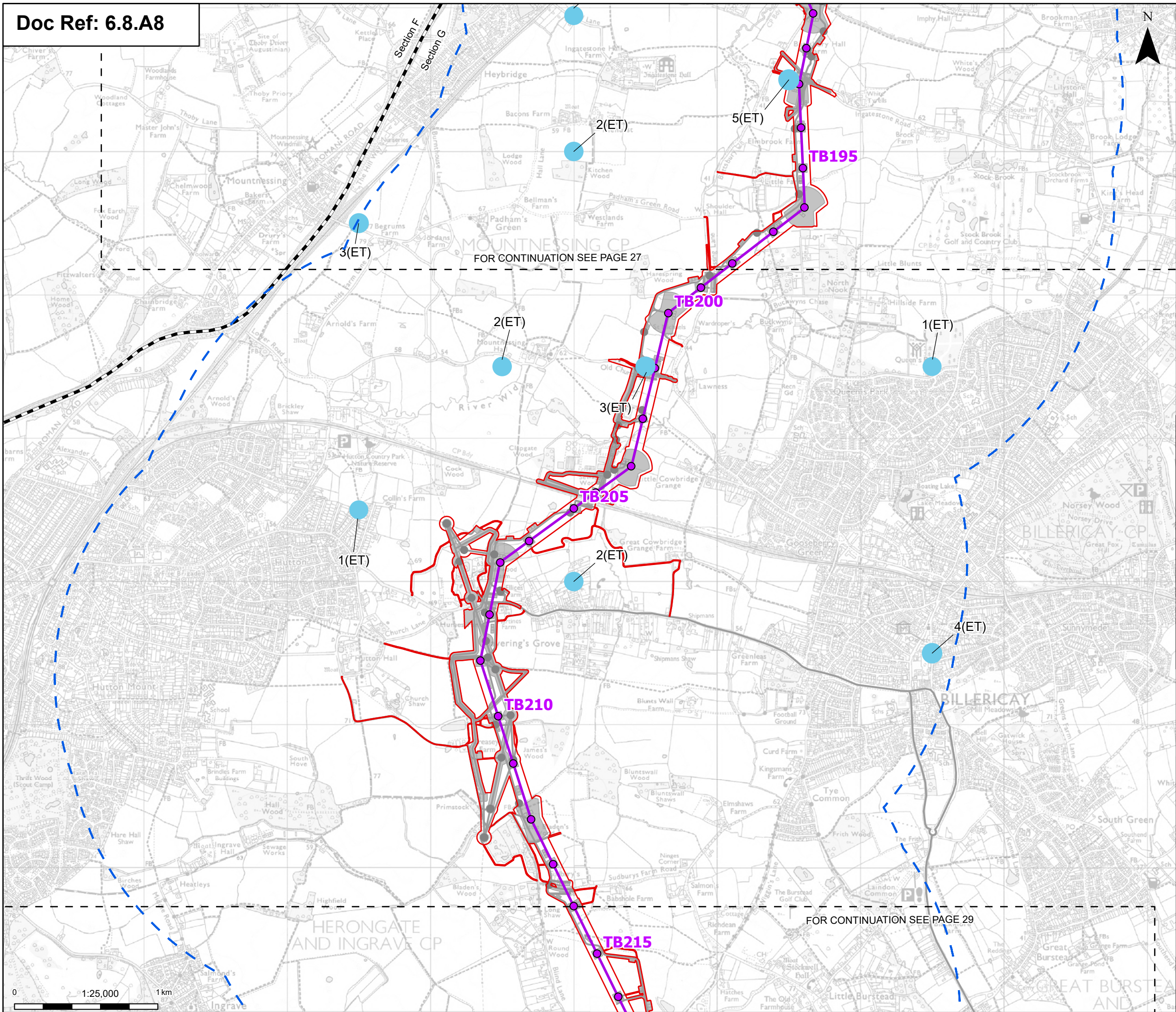
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Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Glossy egret (ET)

Spoonbill (NB)

White stork (OR)

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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Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
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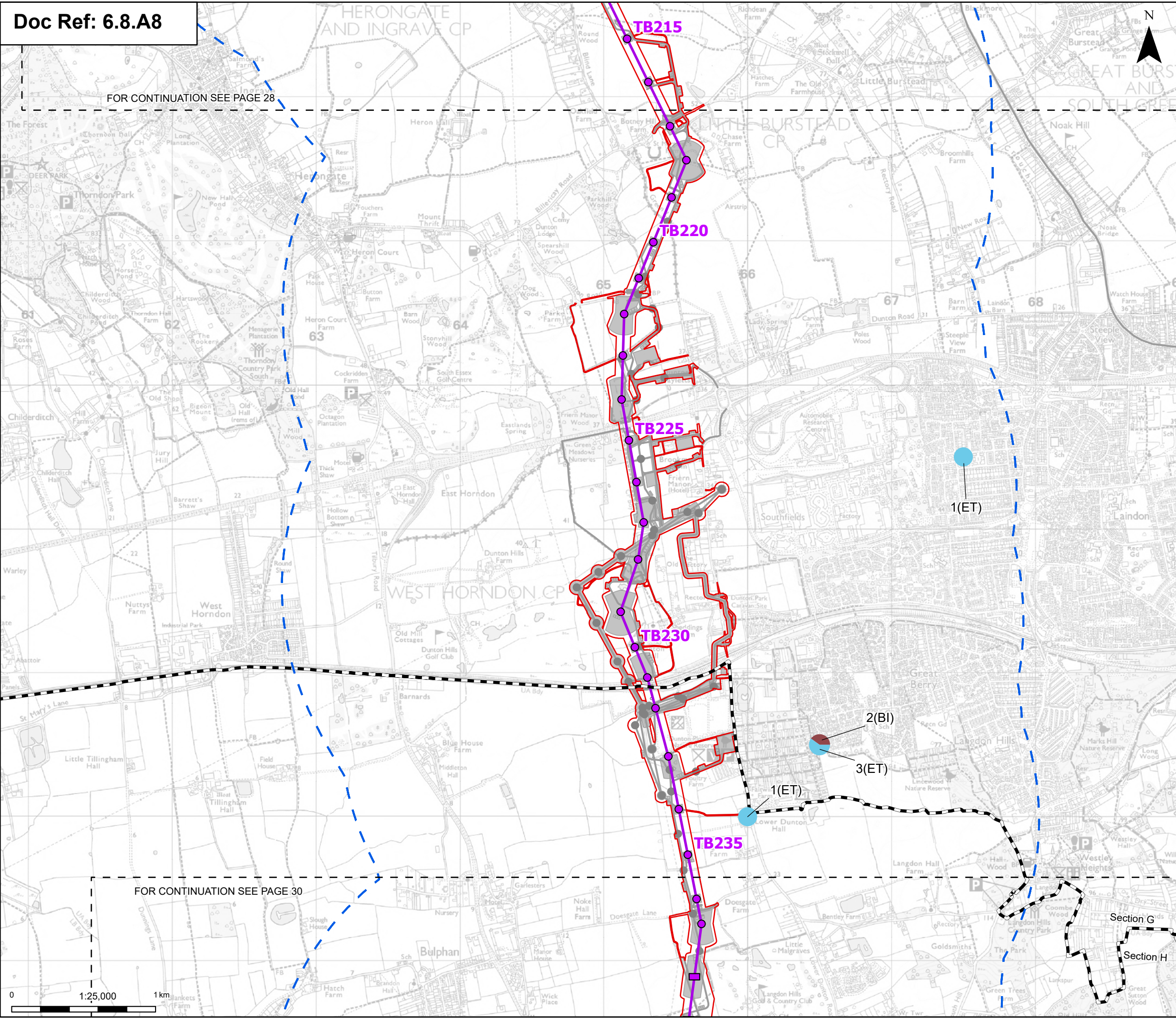
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Suitability Description:
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Proposed low height pylon location

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 - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Little egret (ET)

Spoonbill (NB)

White stork (OR)

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 A8.8.10 - Ecology and Biodiversity Collision Risk Target Species Bitterns Herons, Storks Spoonbills & Egret (Desk Study Data 2013-2022) Page 29 of 31

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Suitability Description:			

Accepted as Concept Stage

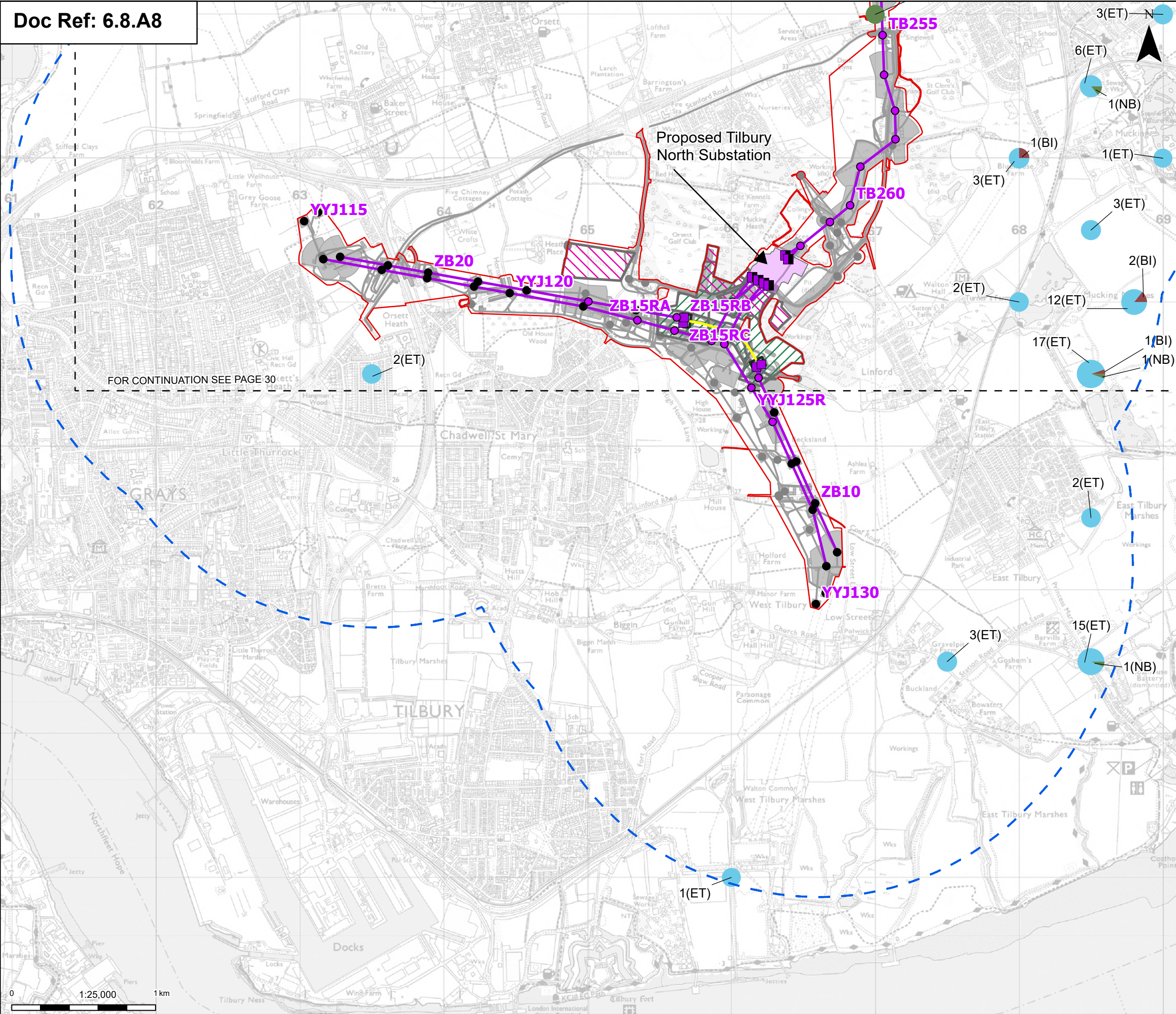
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- Proposed full line tension gantry
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed 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 - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)
Crane (AN)
Glossy ibis (IB)
Little egret (ET)
Spoonbill (NB)
White stork (OR)

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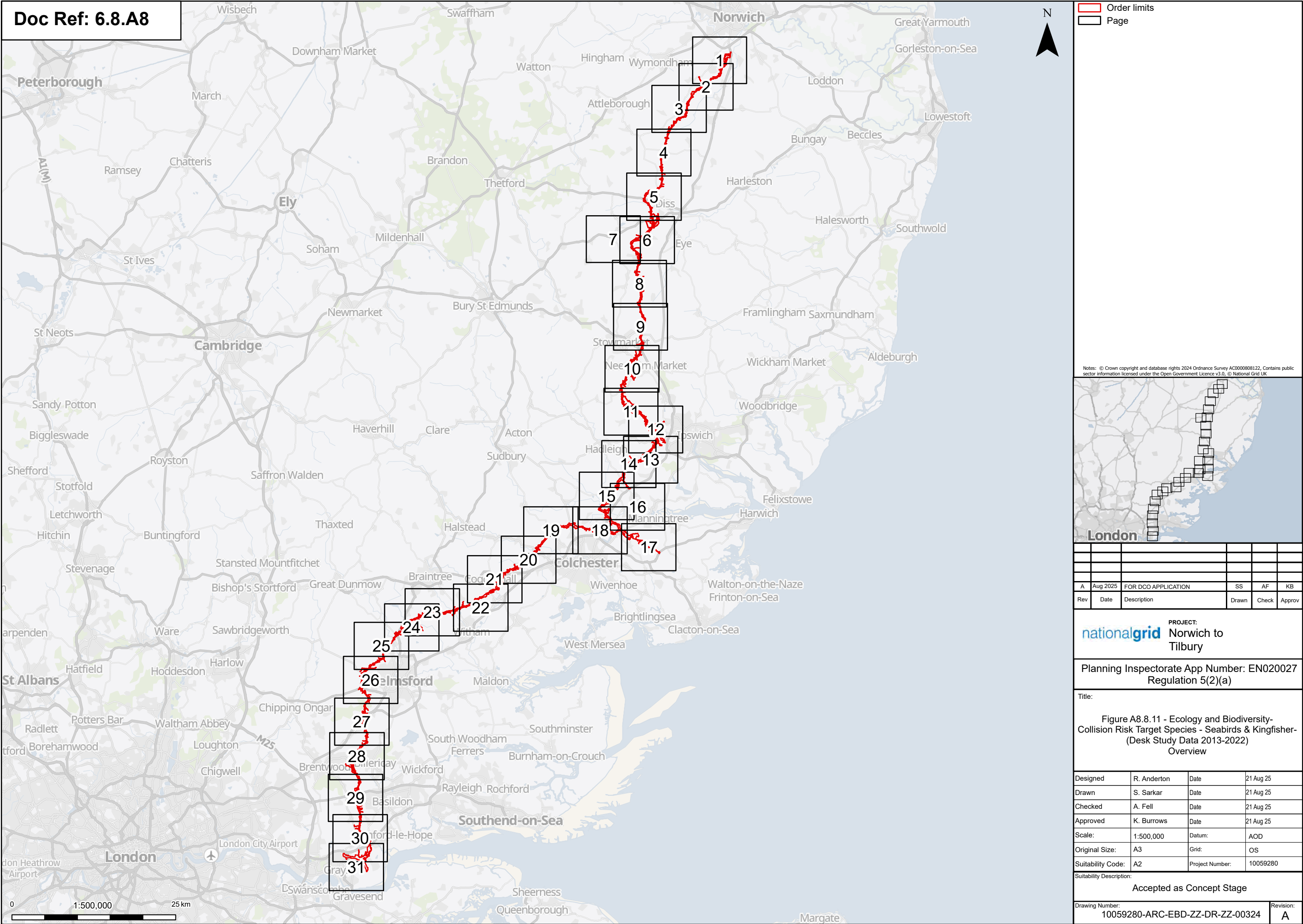
PROJECT:		Norwich to Tilbury			
Planning Inspectorate App Number:		EN020027 Regulation 5(2)(a)			

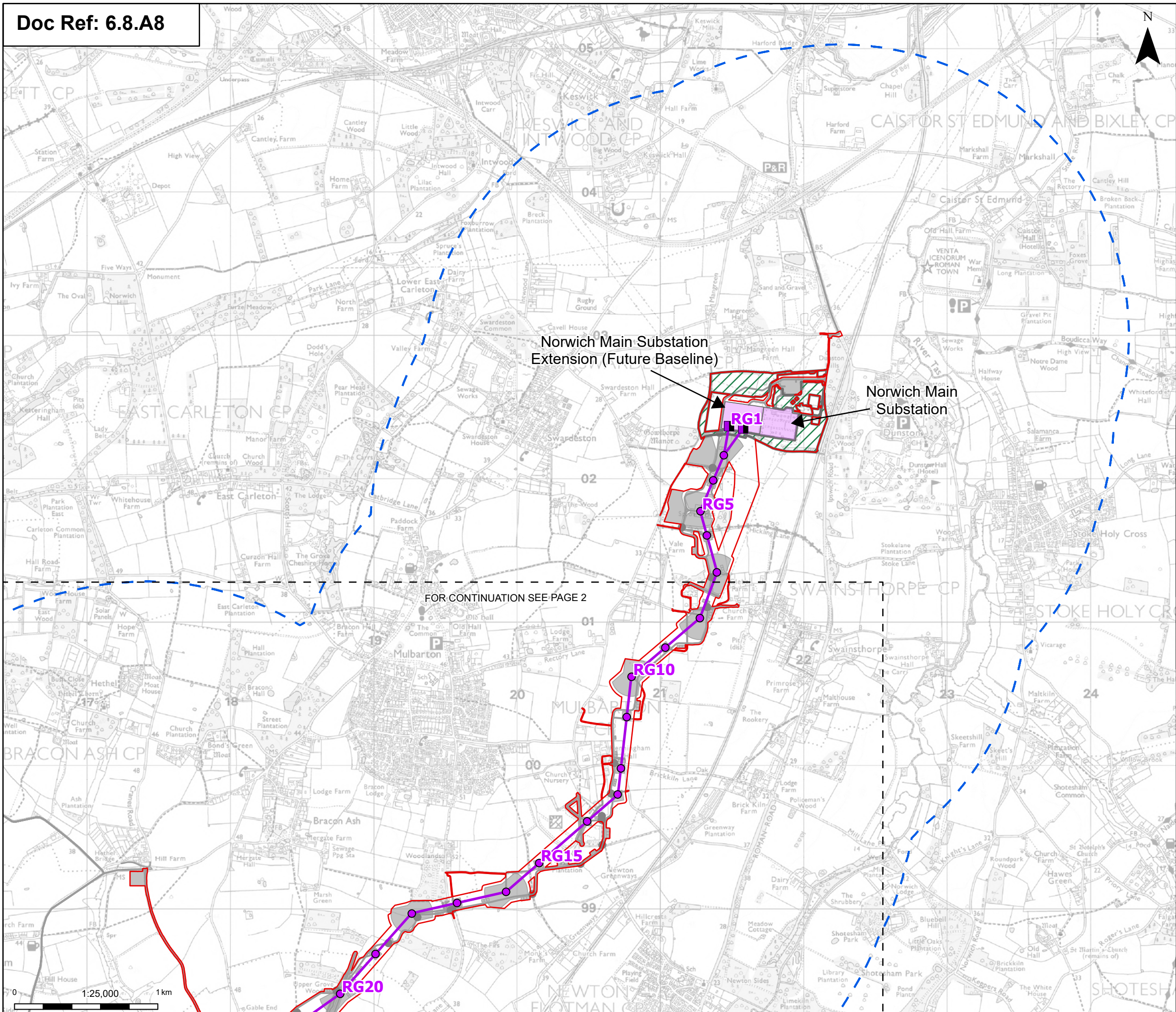
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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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 - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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 A8.8.11 - Ecology and Biodiversity-Collision Risk Target Species - Seabirds & Kingfisher-(Desk Study Data 2013-2022)

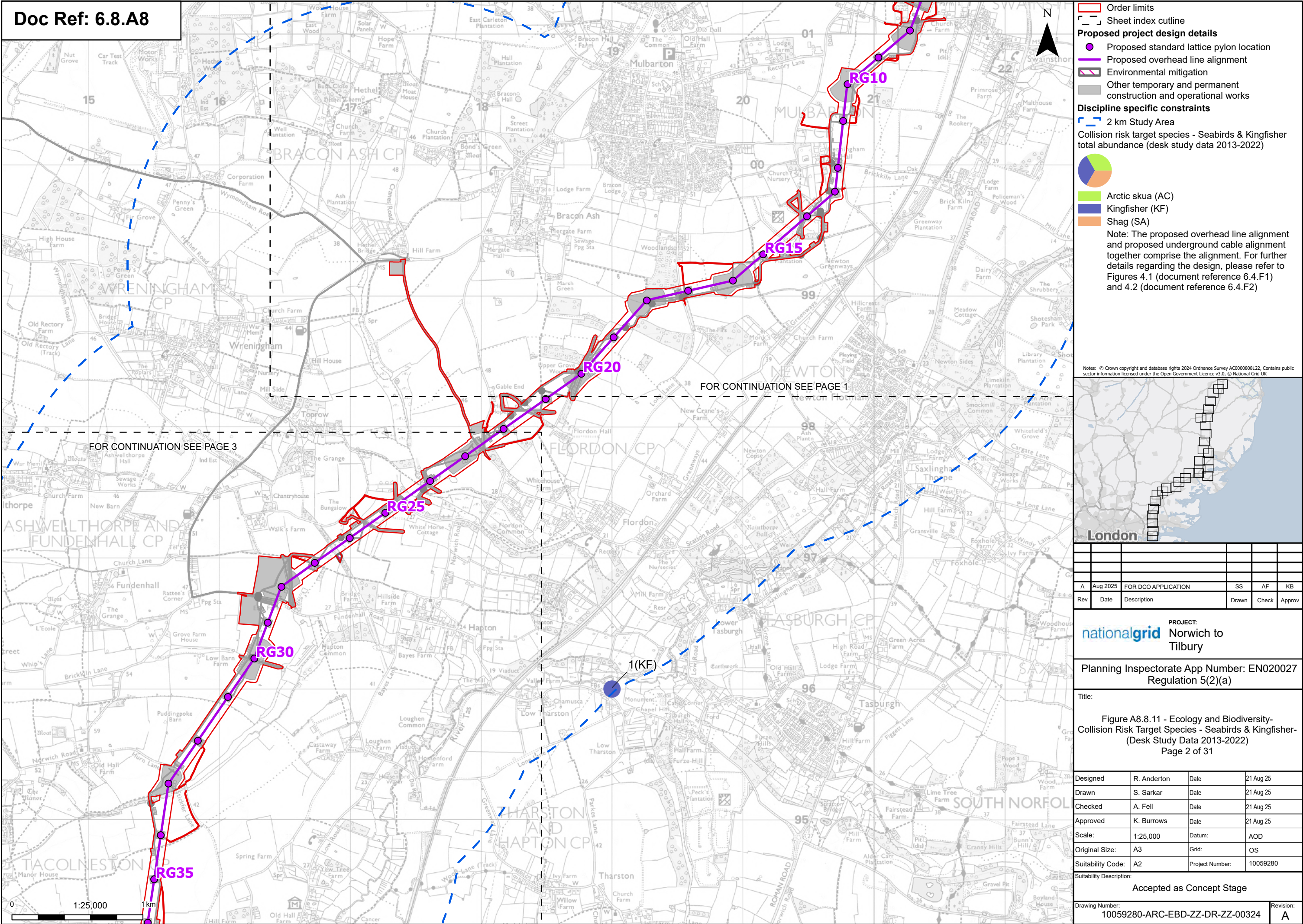
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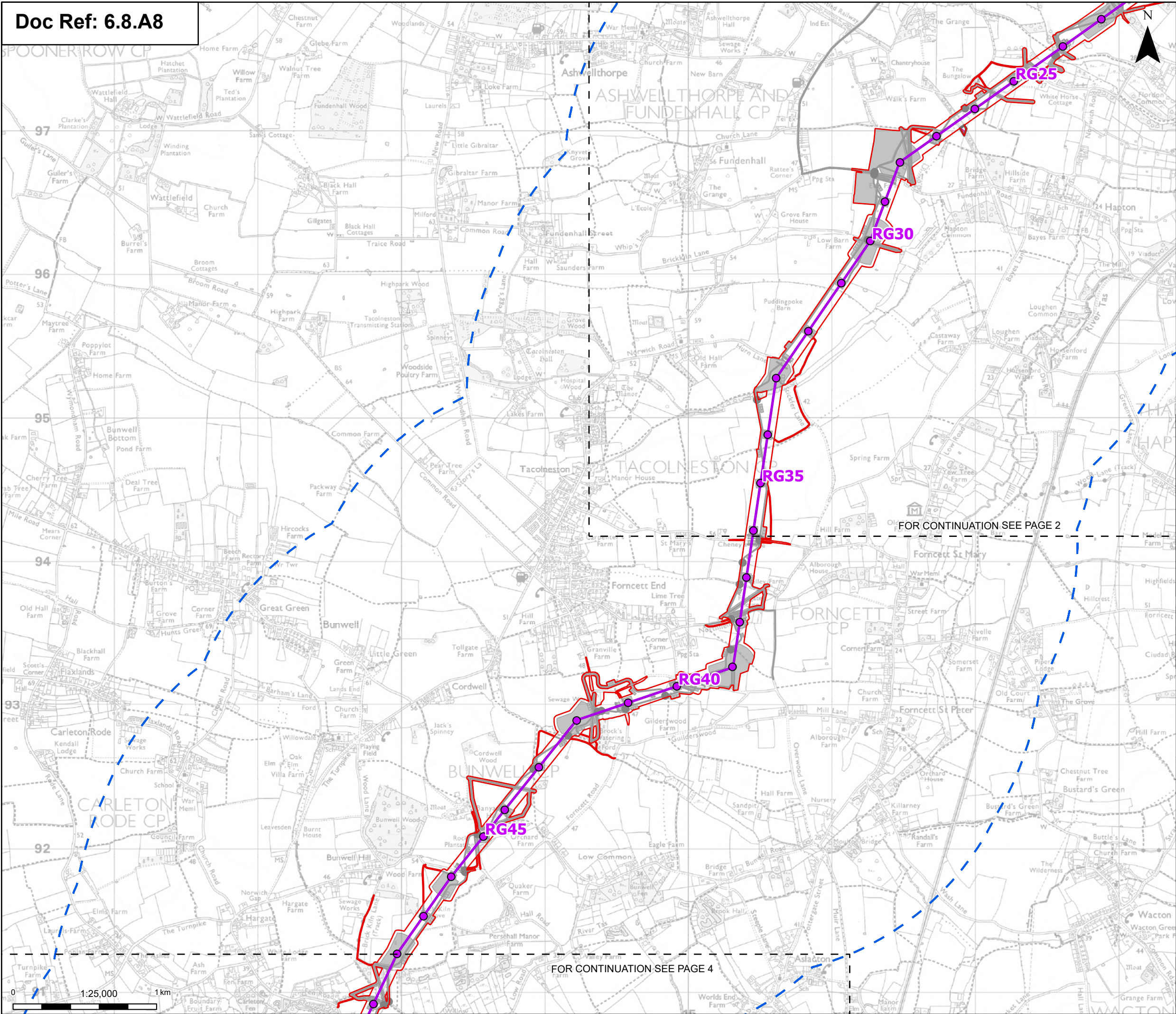
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Approved	K. Burrows	Date	21 Aug 25
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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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Figure A8.8.11 - Ecology and Biodiversity-
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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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 Norwich to
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Figure A8.8.11 - Ecology and Biodiversity-
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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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Collision Risk Target Species - Seabirds & Kingfisher-
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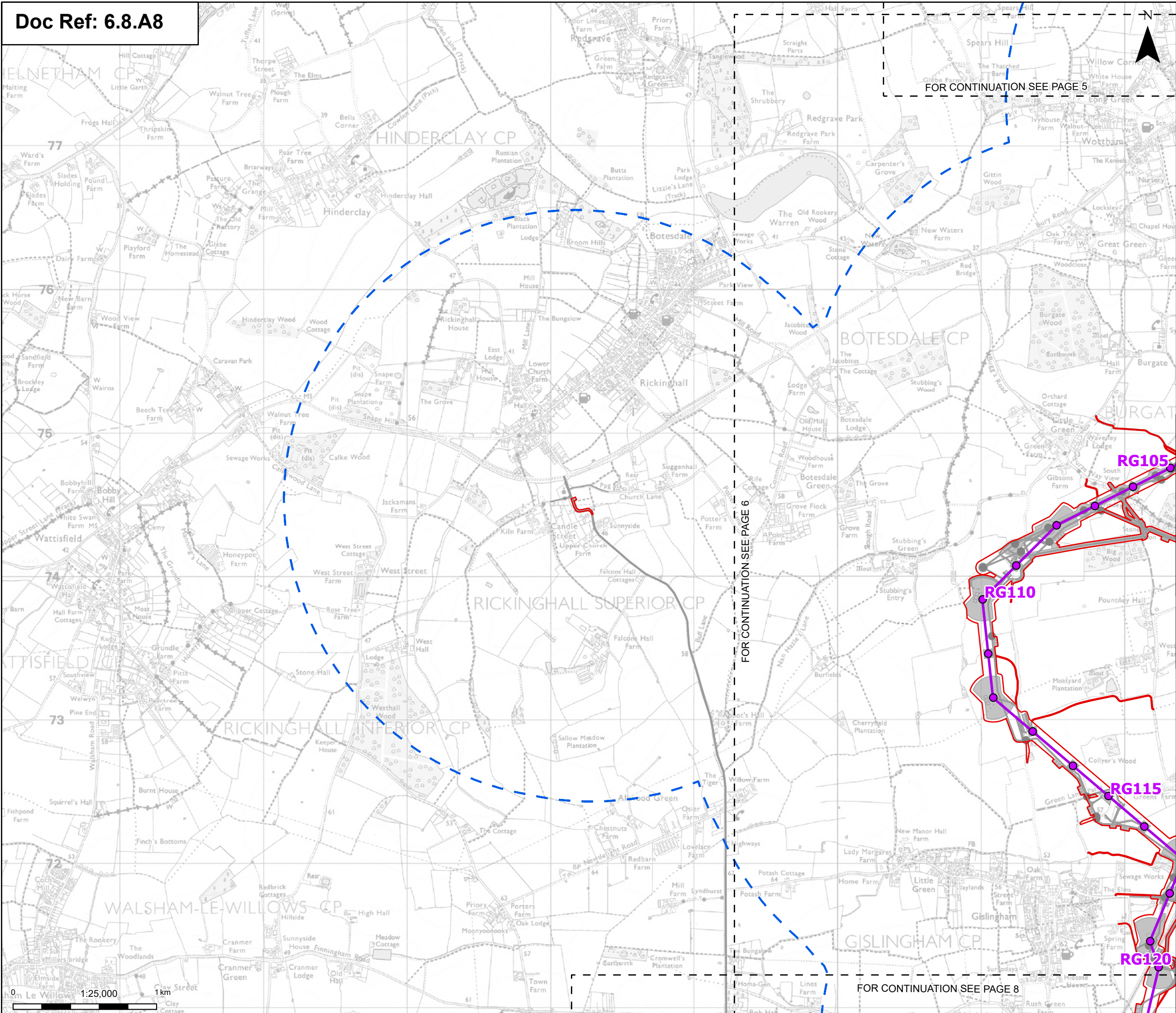
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Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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 A8.8.11 - Ecology and Biodiversity- Collision Risk Target Species - Seabirds & Kingfisher- (Desk Study Data 2013-2022)
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

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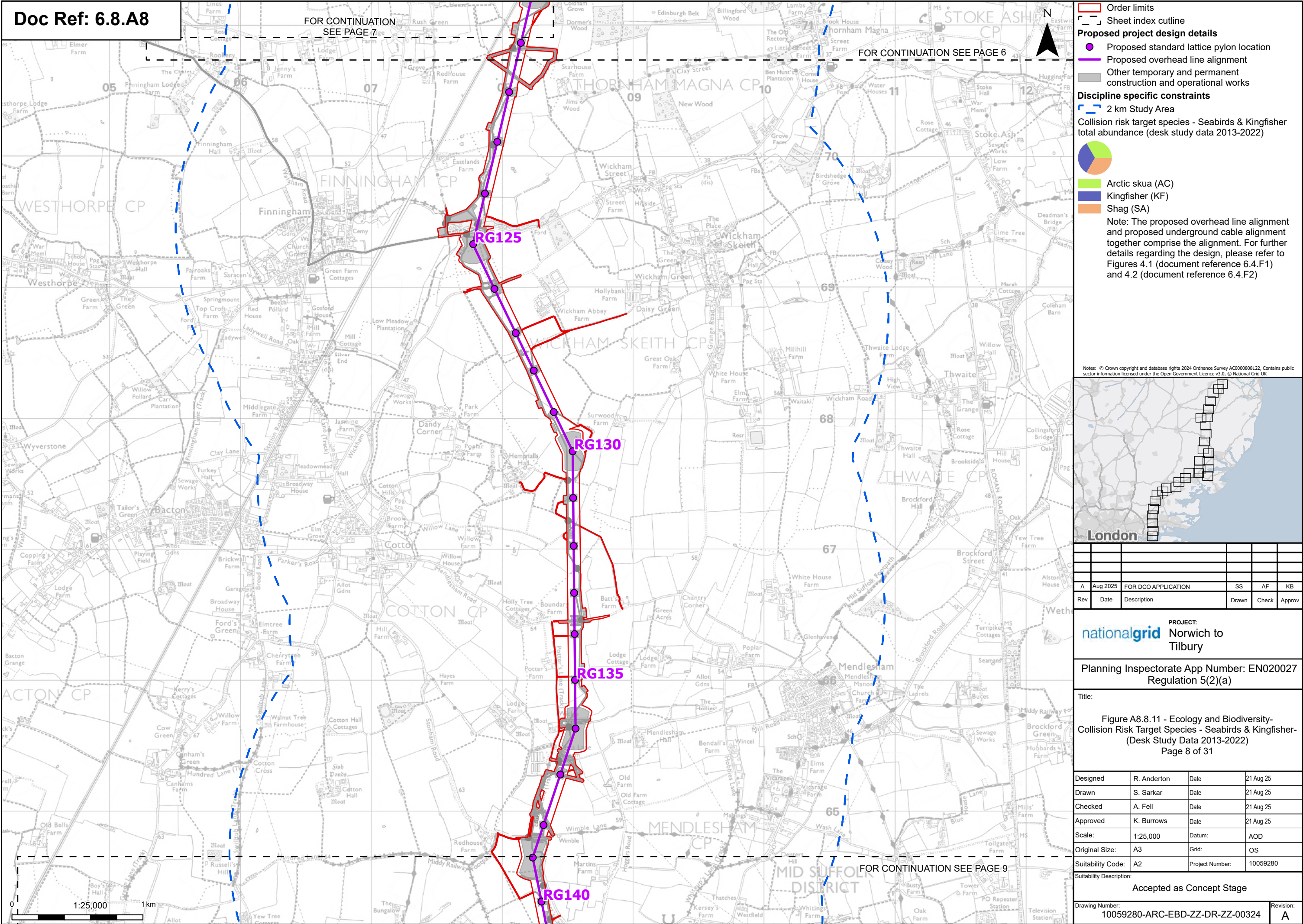
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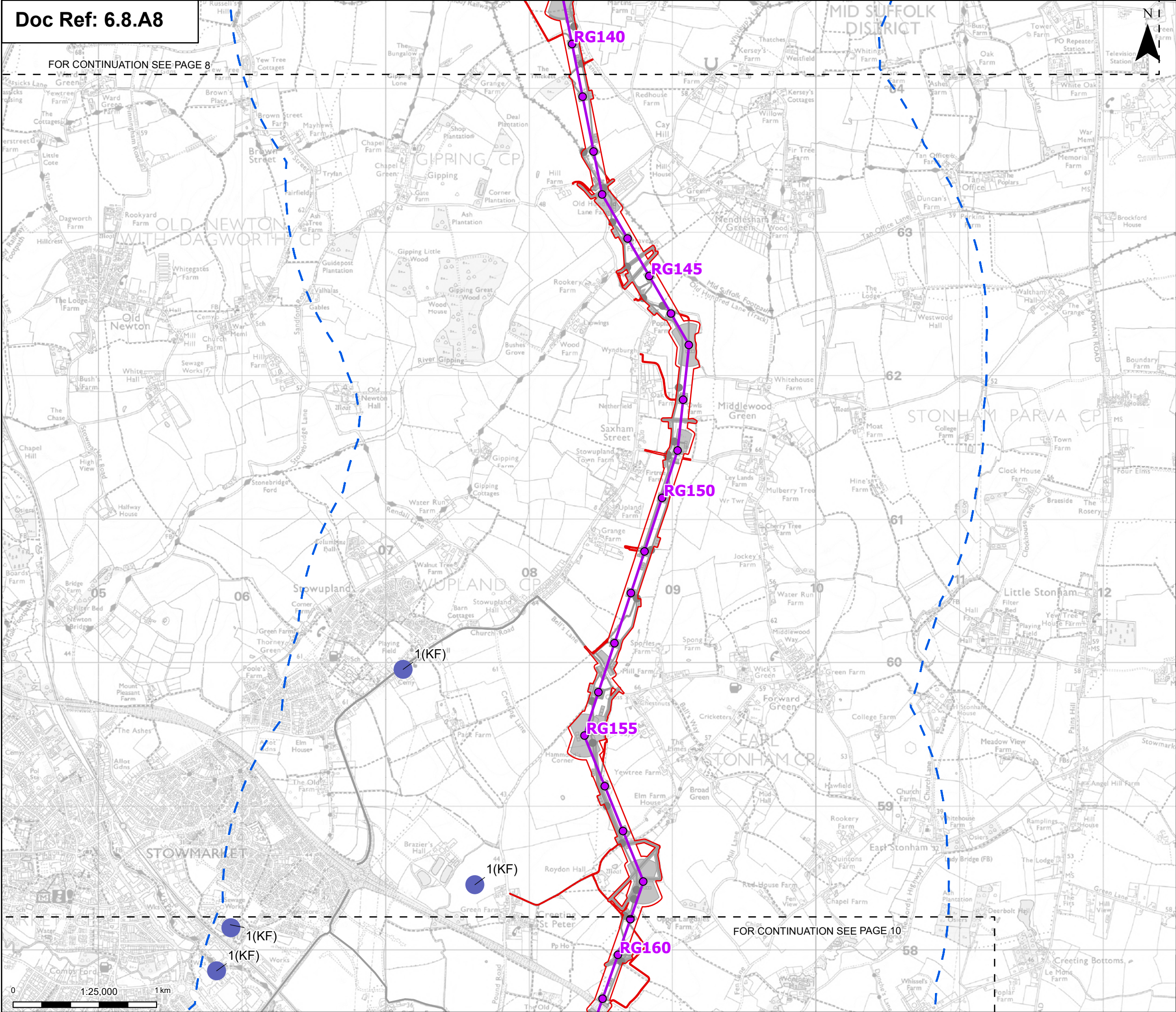
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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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 A8.8.11 - Ecology and Biodiversity- Collision Risk Target Species - Seabirds & Kingfisher- (Desk Study Data 2013-2022) Page 9 of 31

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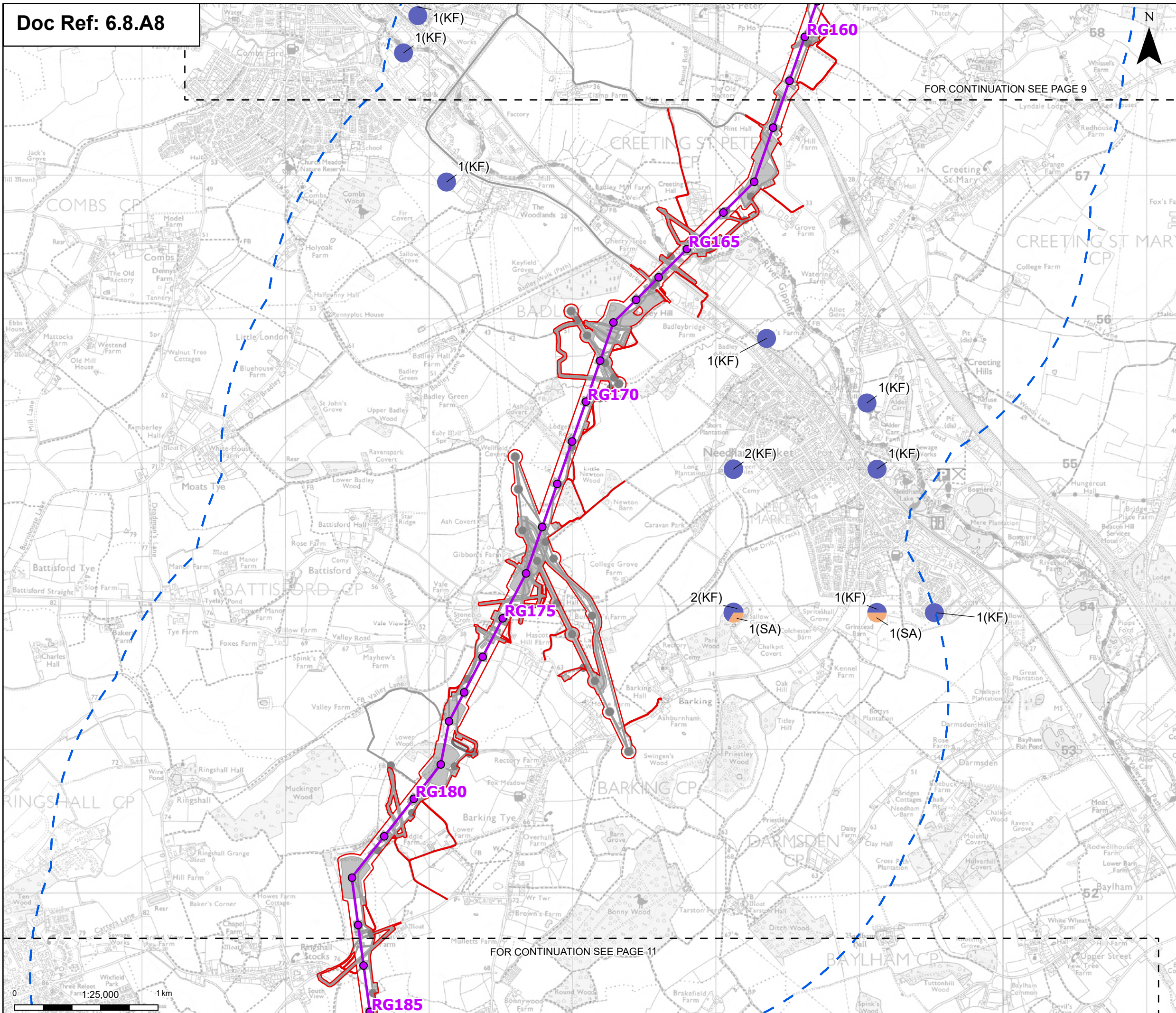
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Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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
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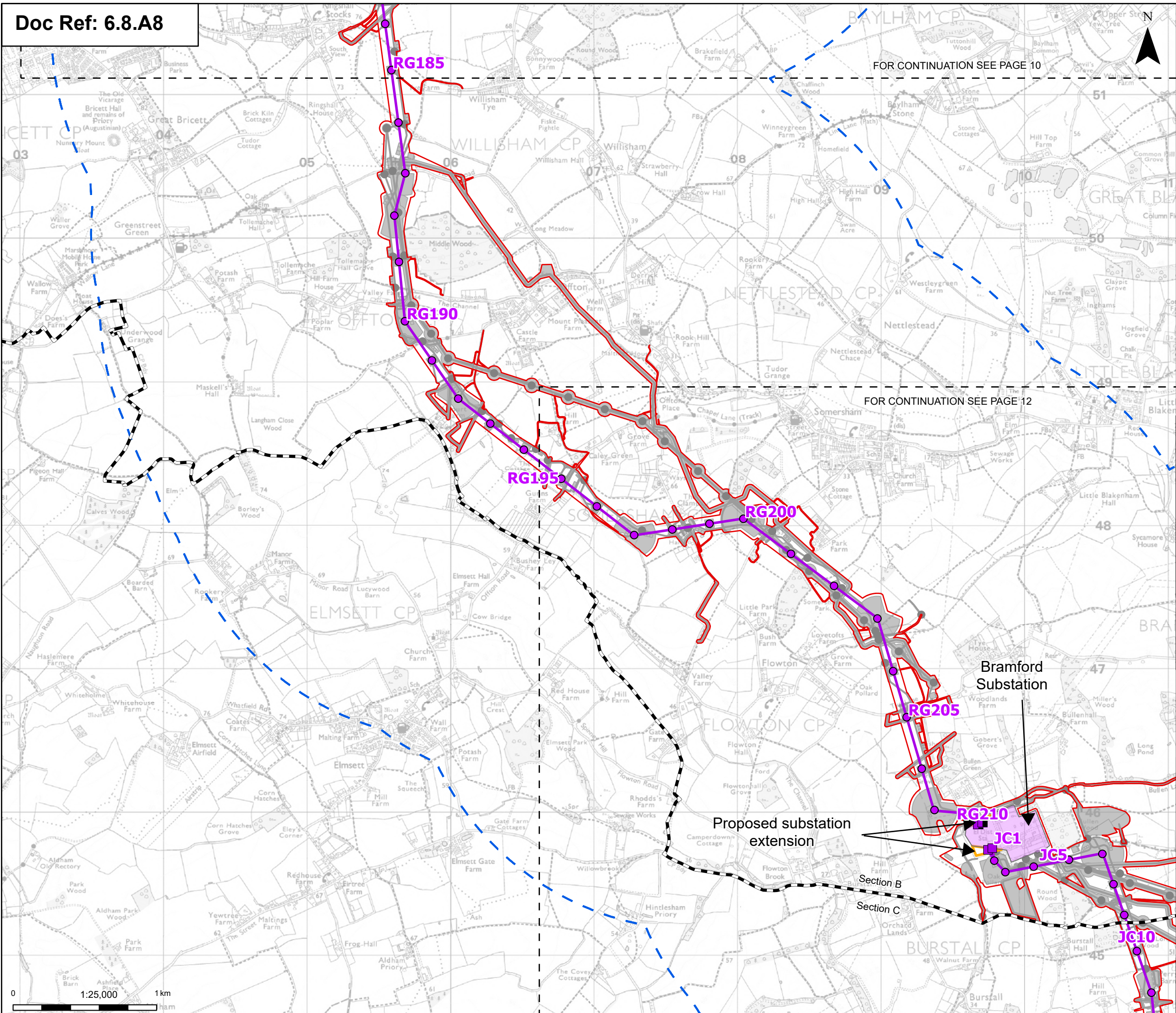
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Figure A8.8.11 - Ecology and Biodiversity-
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Discipline specific constraints

2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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 A8.8.11 - Ecology and Biodiversity-
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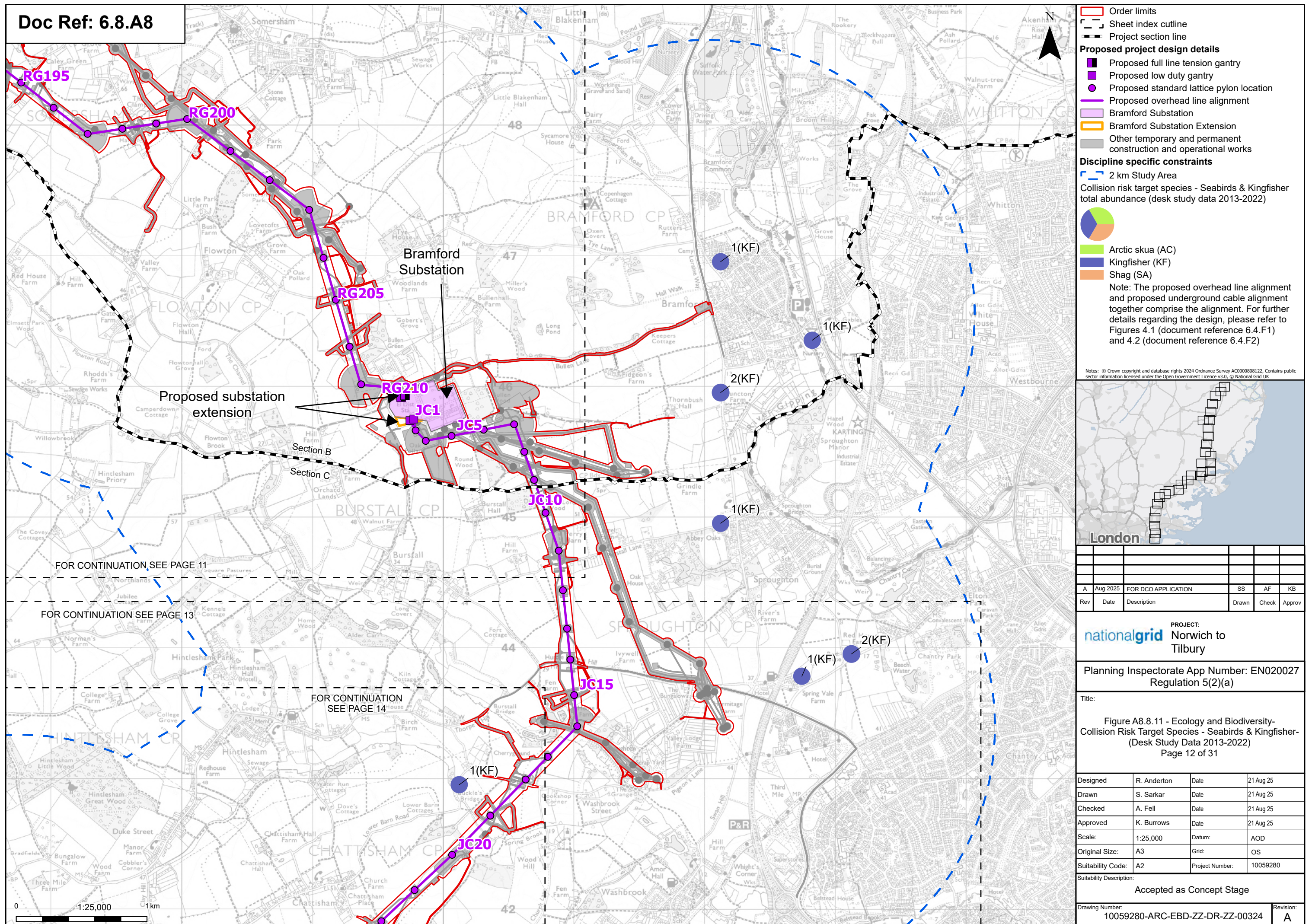
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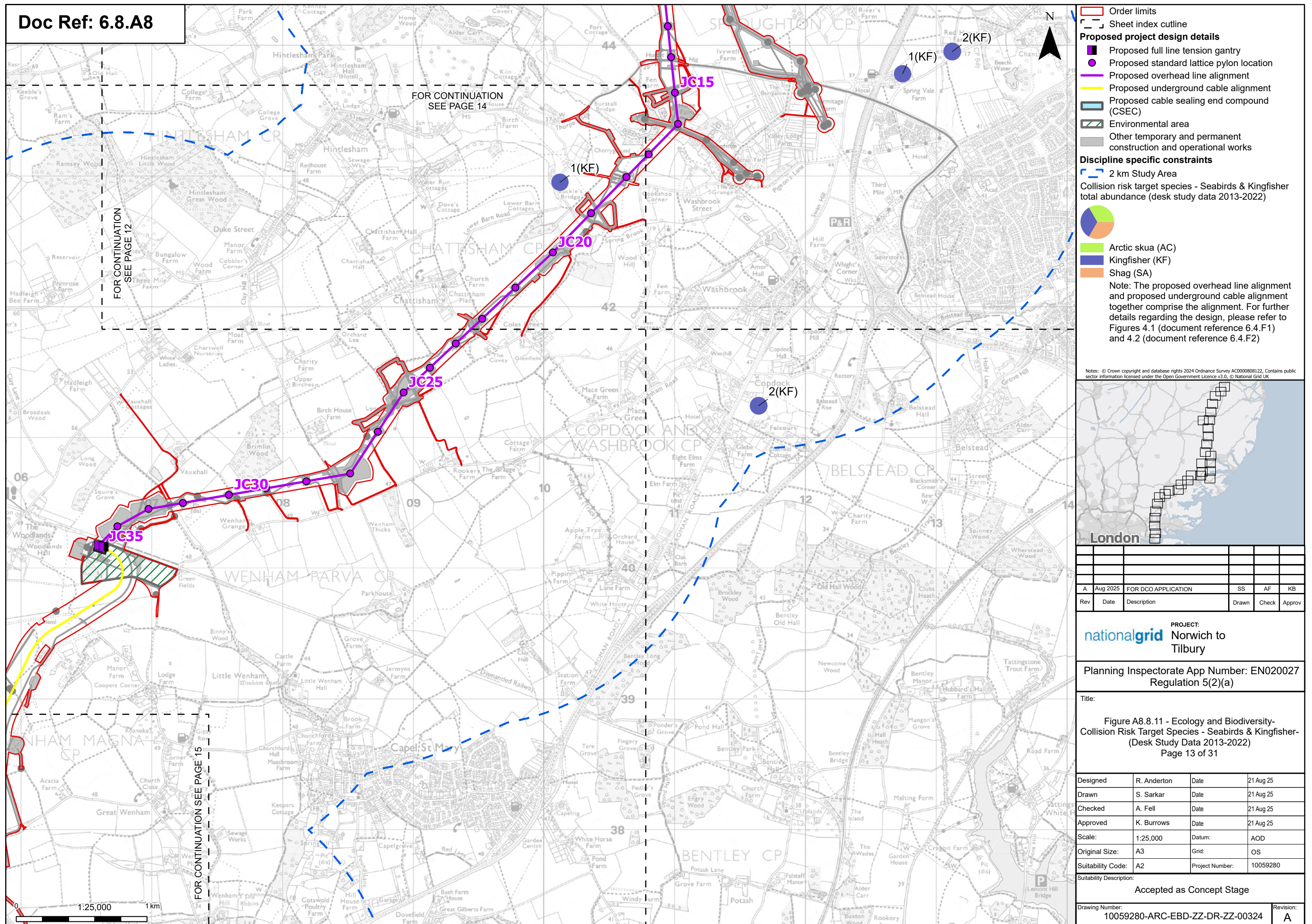
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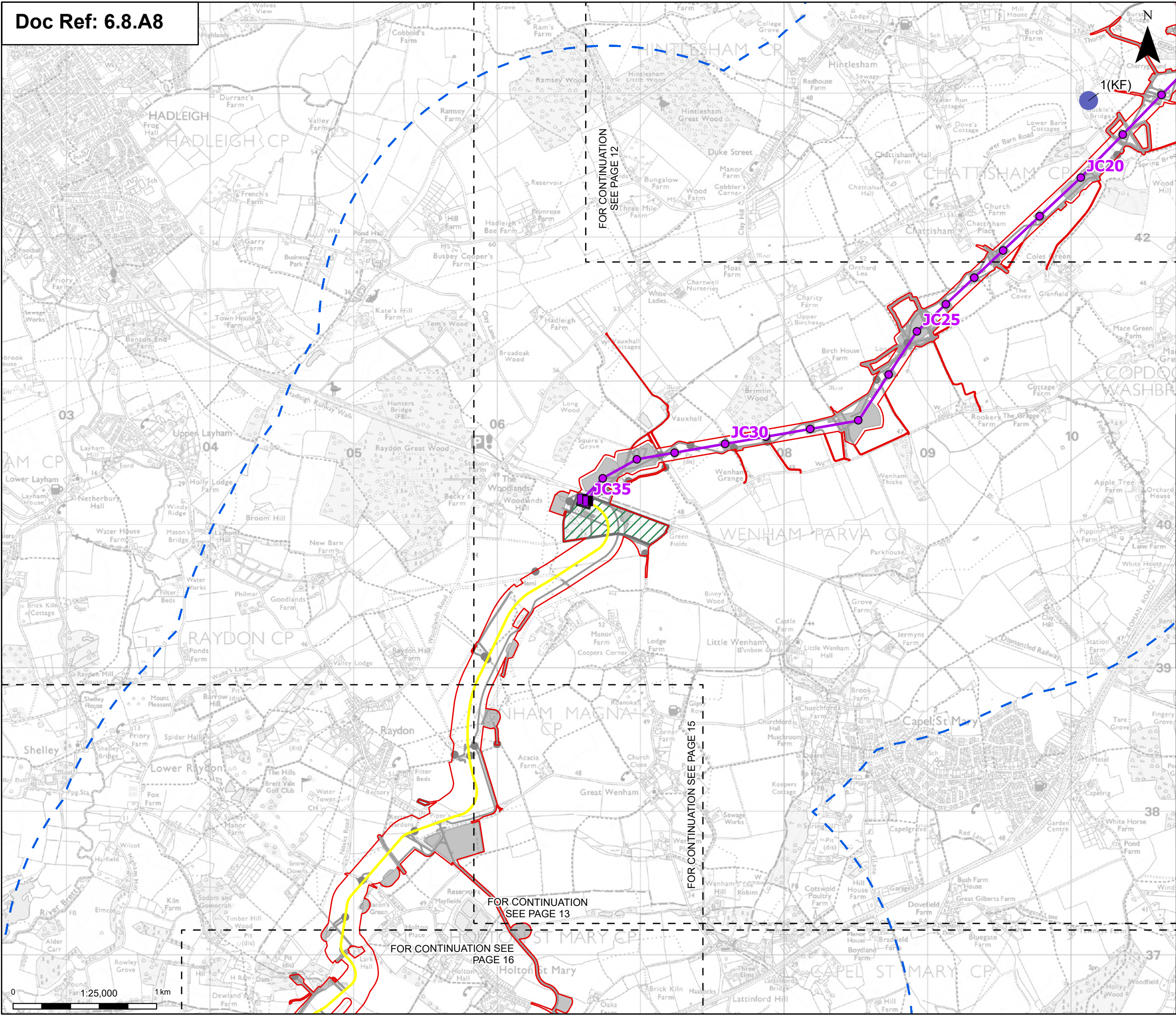
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Proposed overhead line alignment

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Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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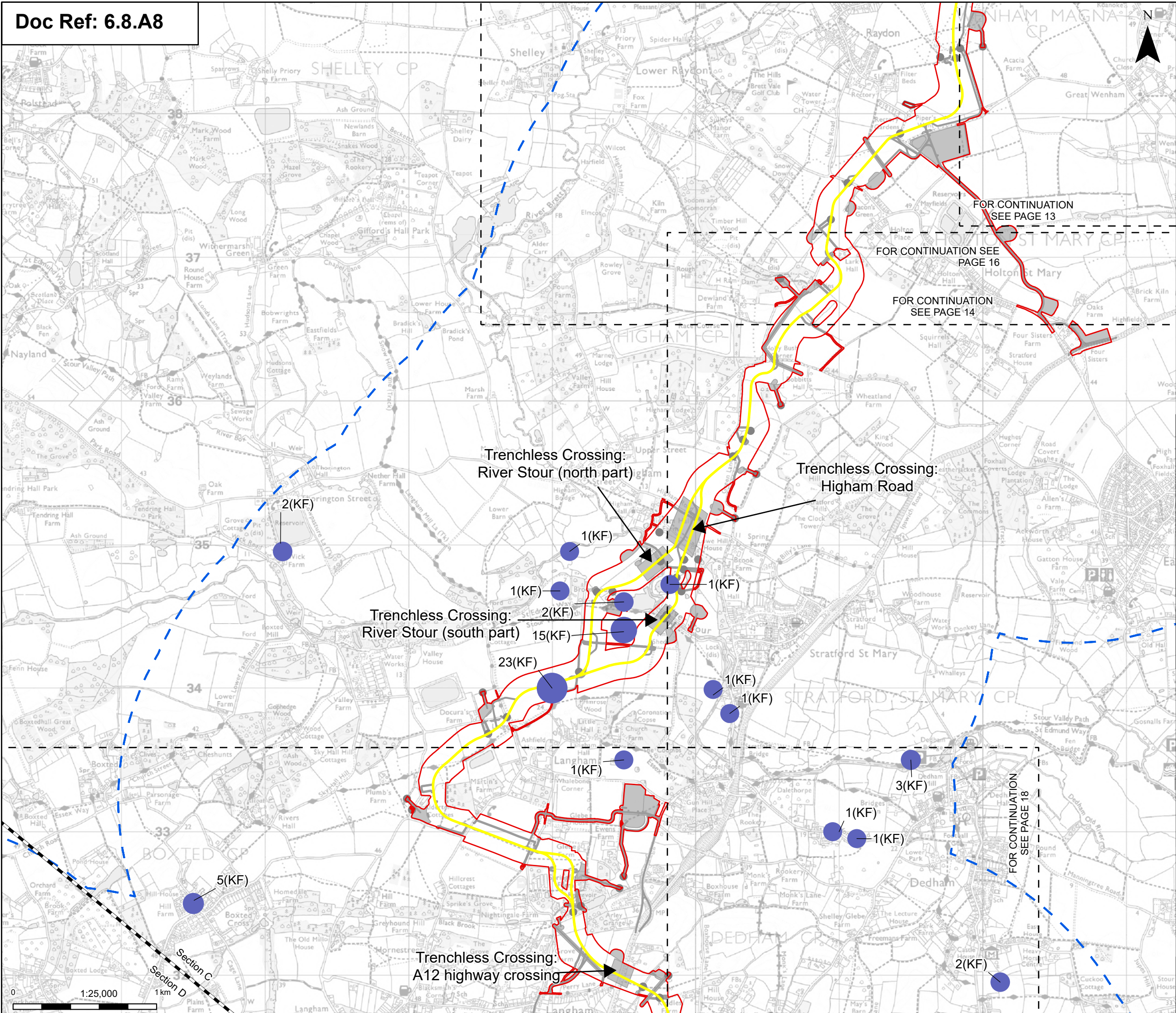
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Figure A8.8.11 - Ecology and Biodiversity- Collision Risk Target Species - Seabirds & Kingfisher- (Desk Study Data 2013-2022)

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Environmental mitigation

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Discipline specific constraints

2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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Trenchless Crossing: Higham Road

(KF)

1(KF)

1(KF)

 $3(KF$

1(KF)

$$-1(KF)$$

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KF)

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 $2(KF$

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-  Other temporary and permanent construction and operational works

Discipline specific constraints

 2 km Study Area

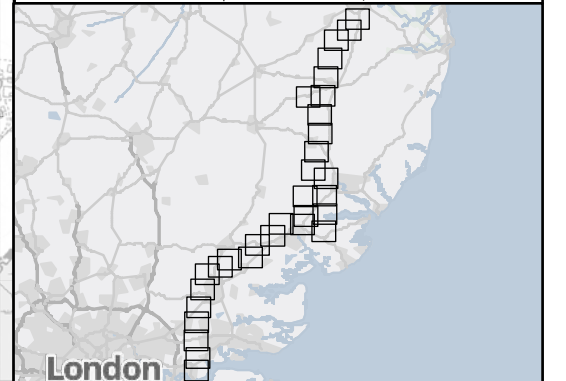
Collision risk target species - Seabirds & Kingfisher total alignment (desk study data 2013-2022)



Species	Color
Arctic skua (AC)	Green
Kingfisher (KF)	Blue
Shag (SA)	Orange

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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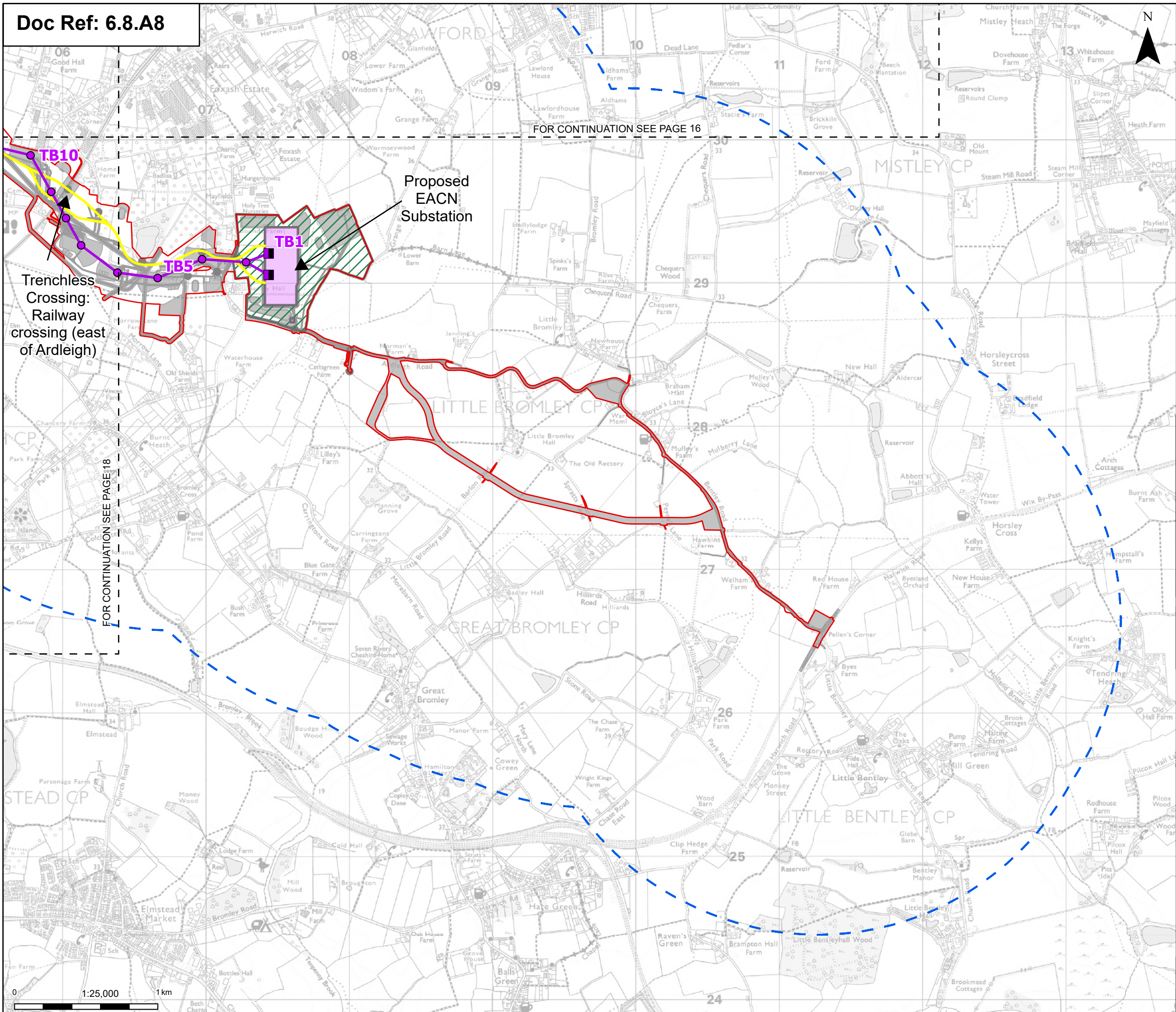
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Collision Risk Target Species - Seabirds & Kingfisher-
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Proposed East Anglia Connection Node Substation (EACN)

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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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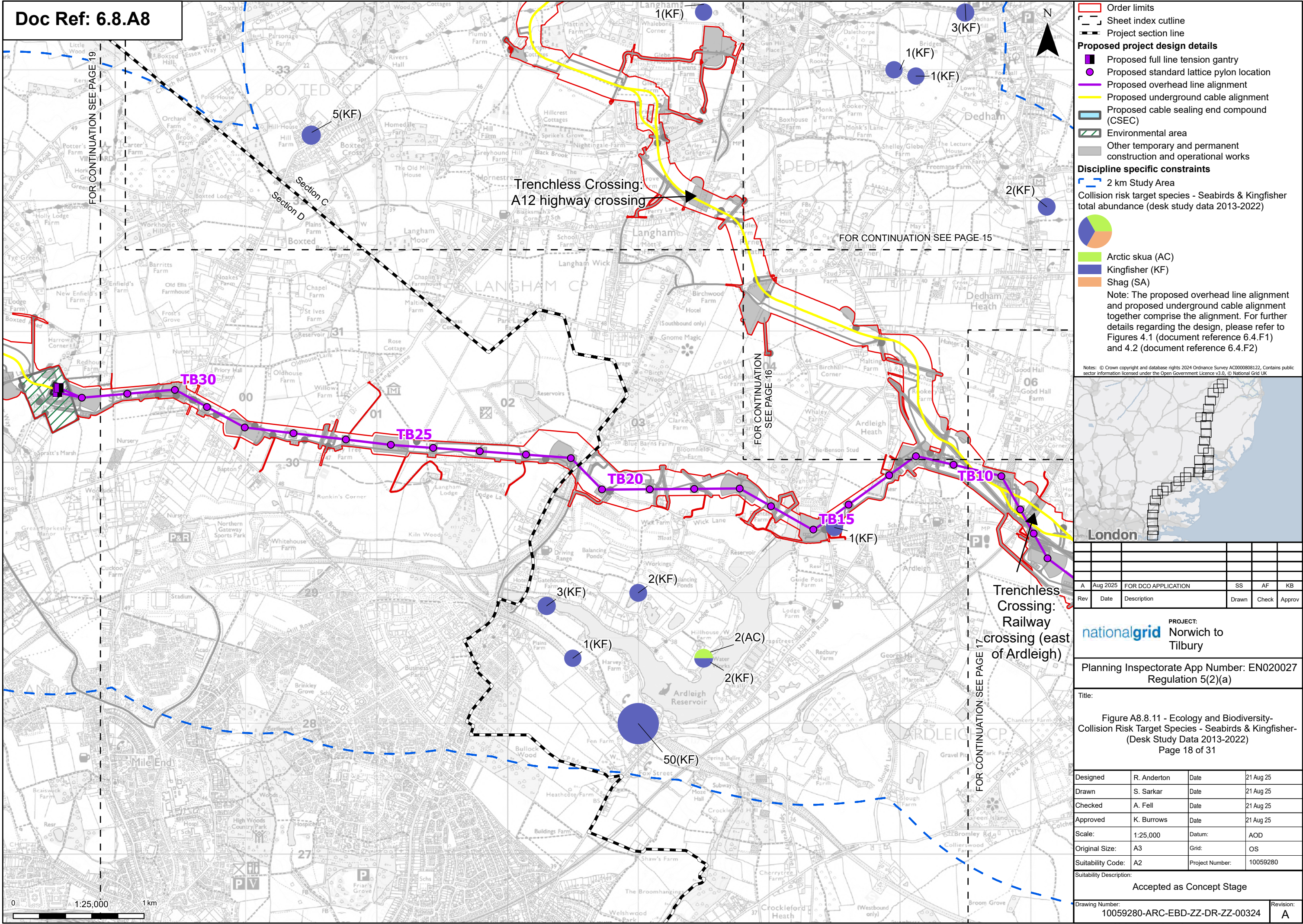
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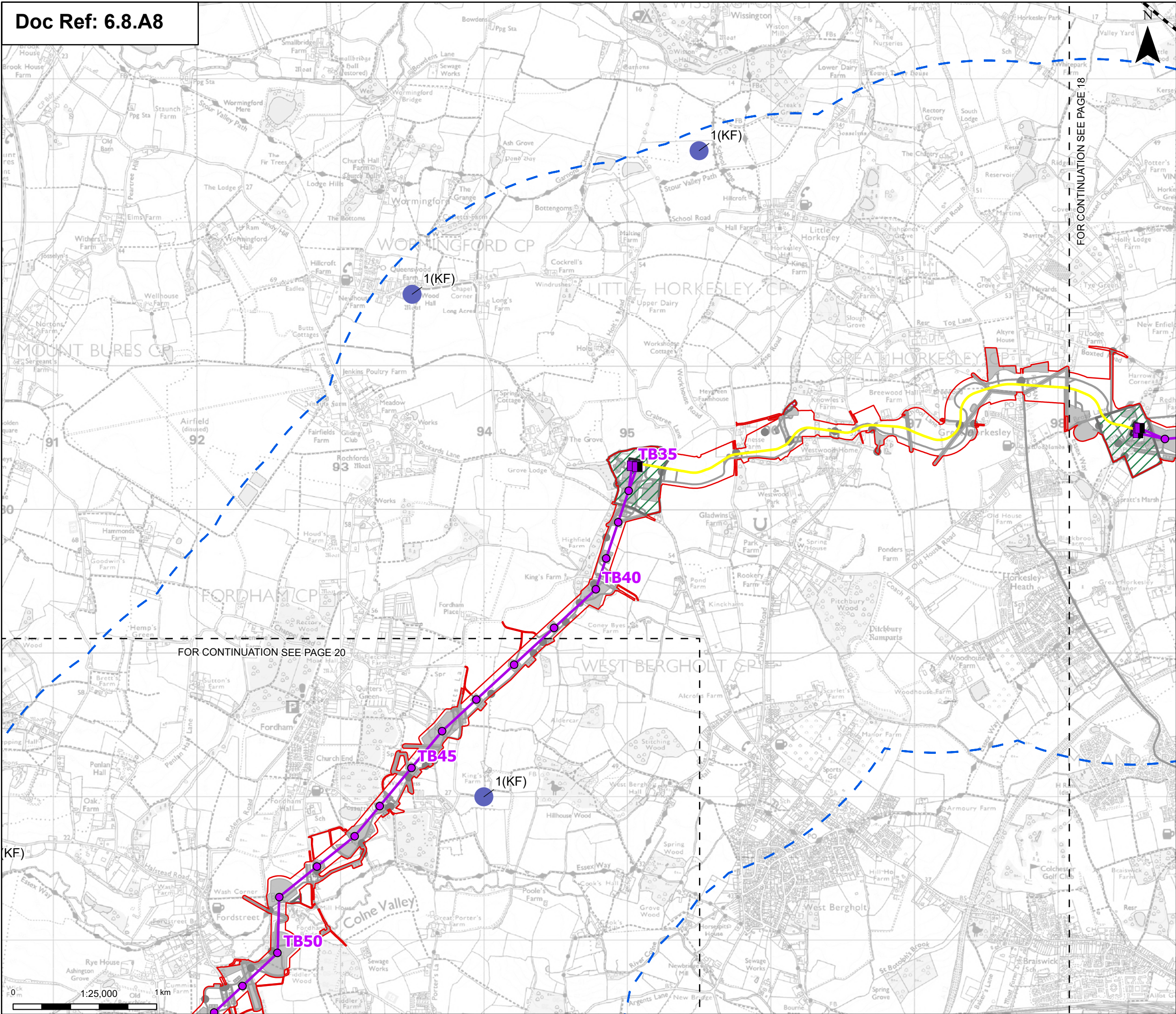
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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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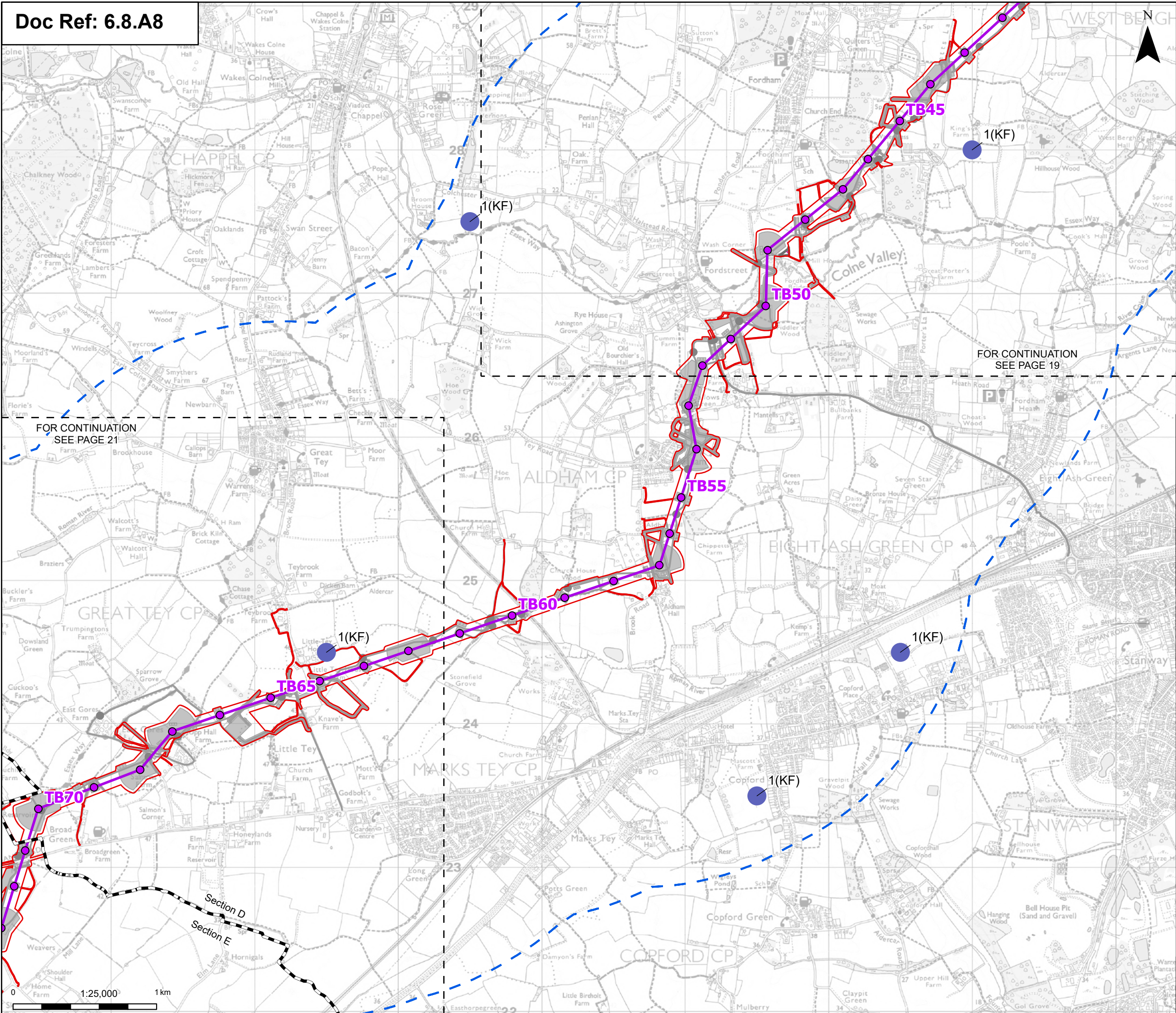
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Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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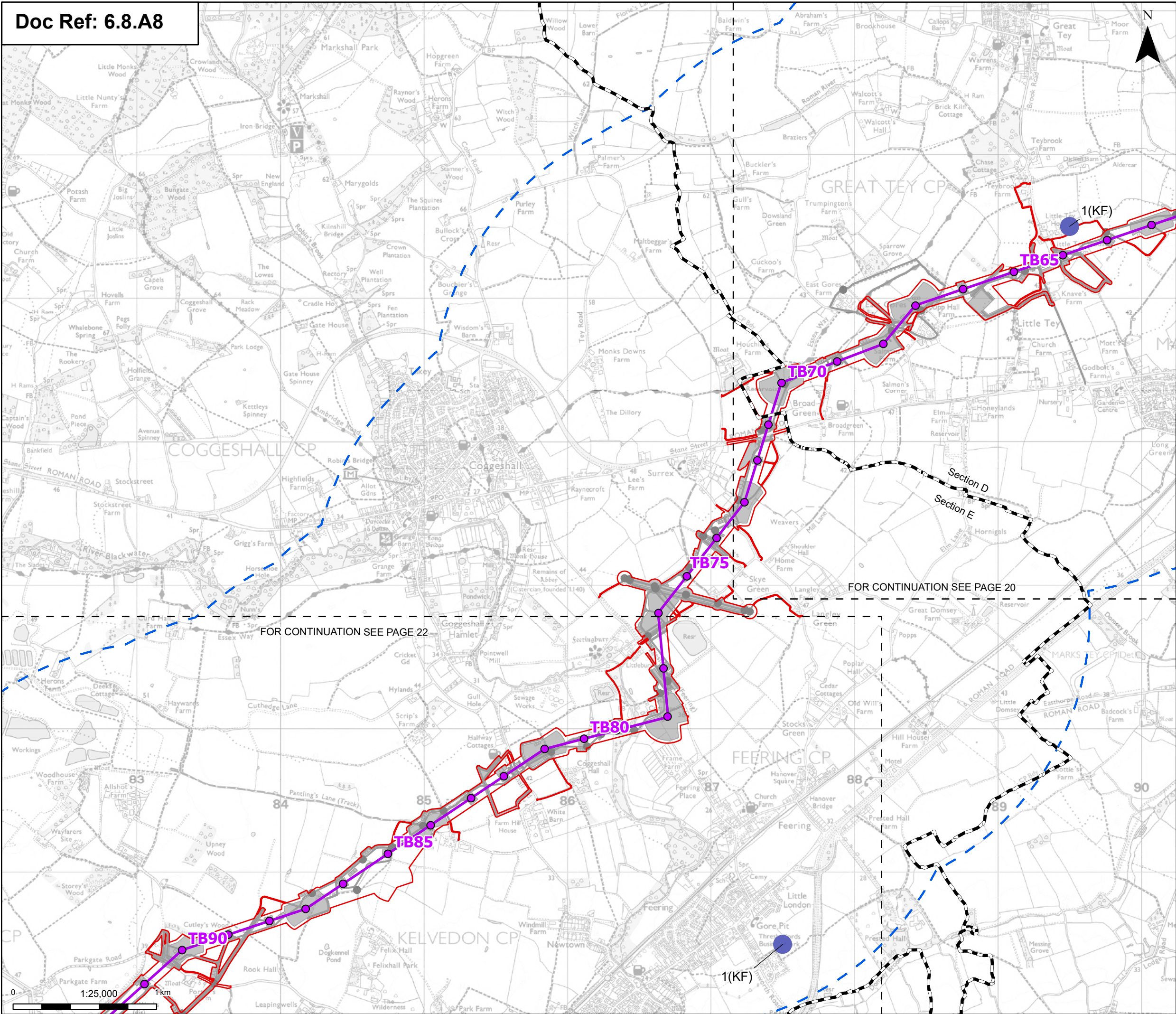
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- 2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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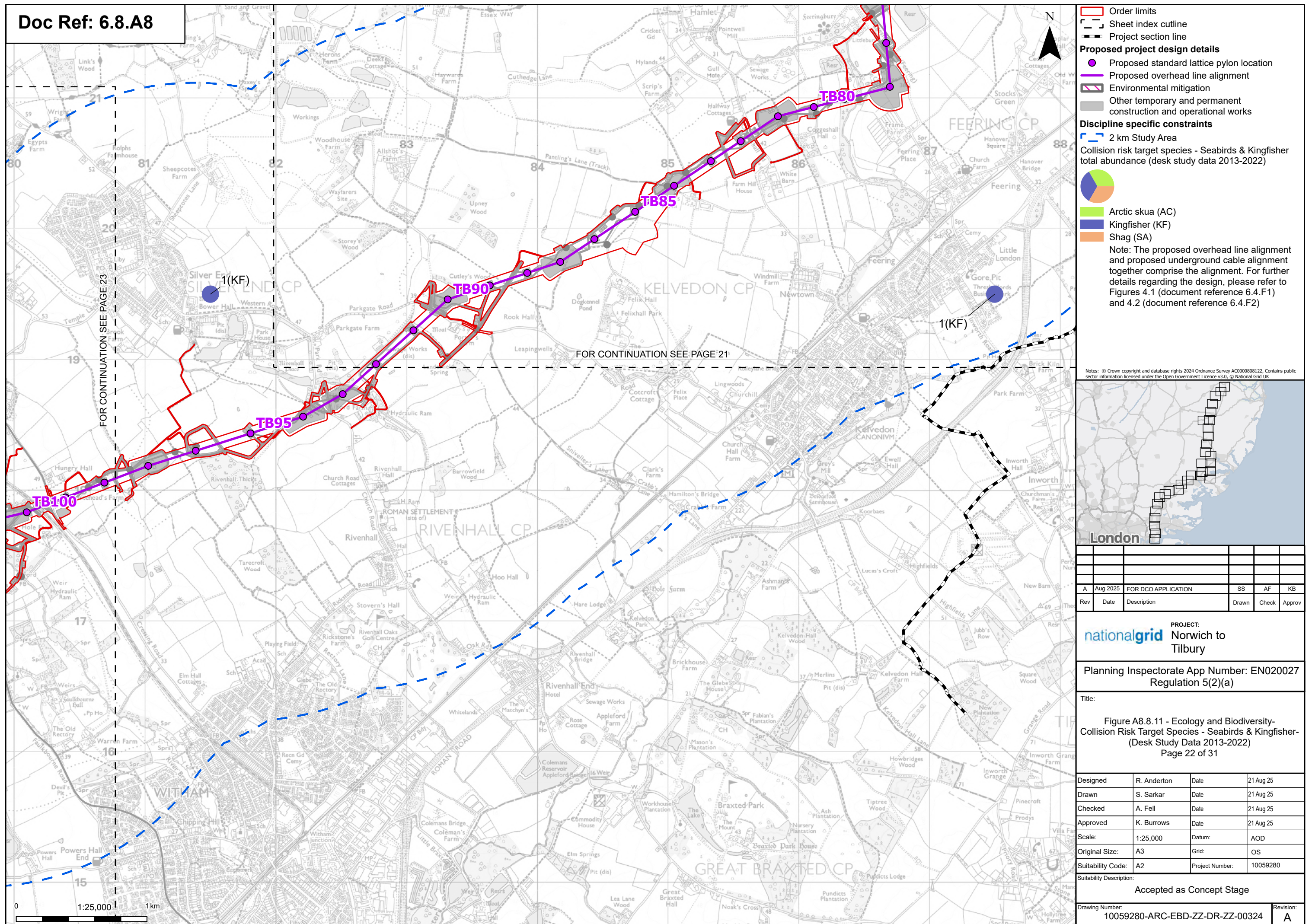
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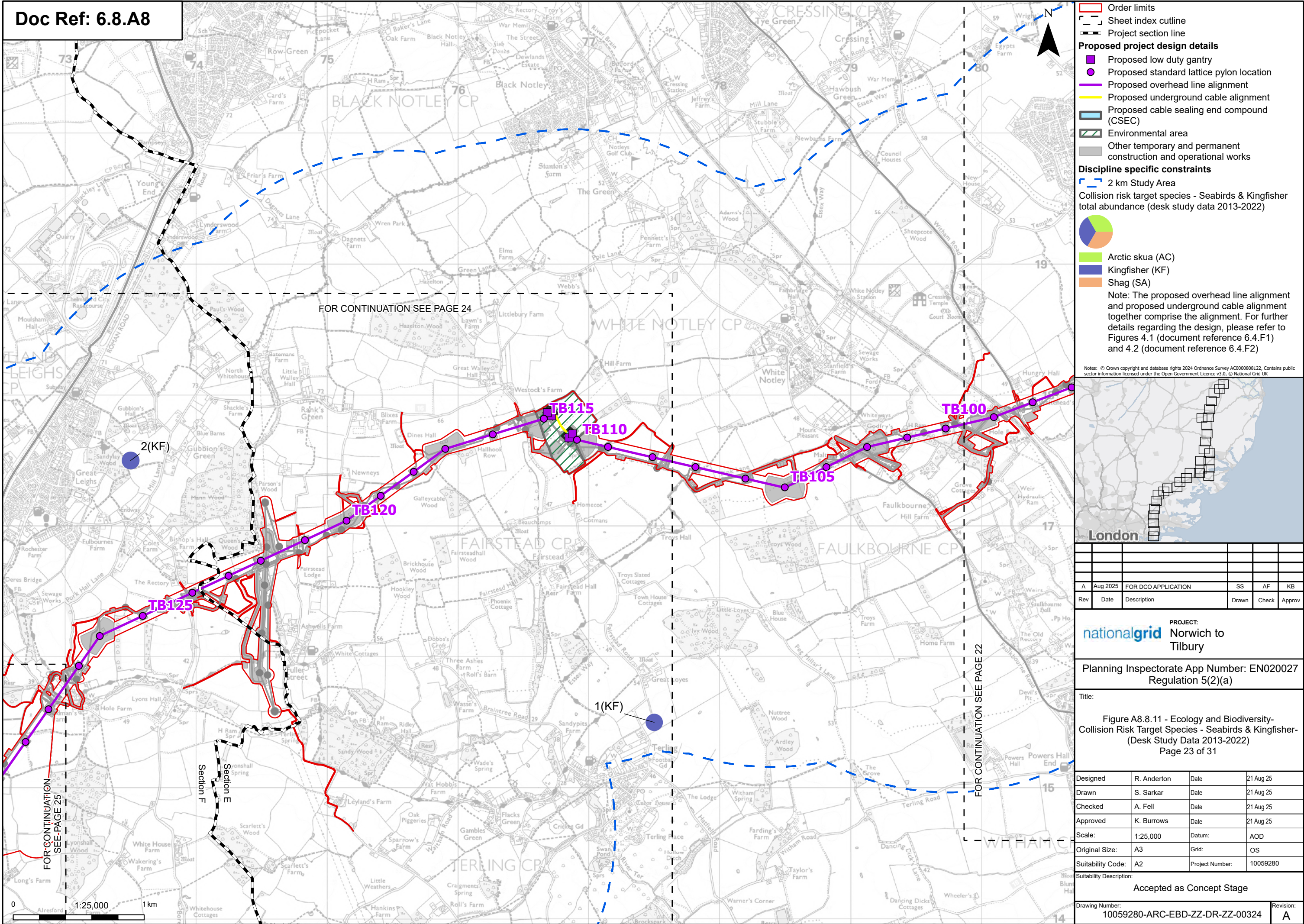
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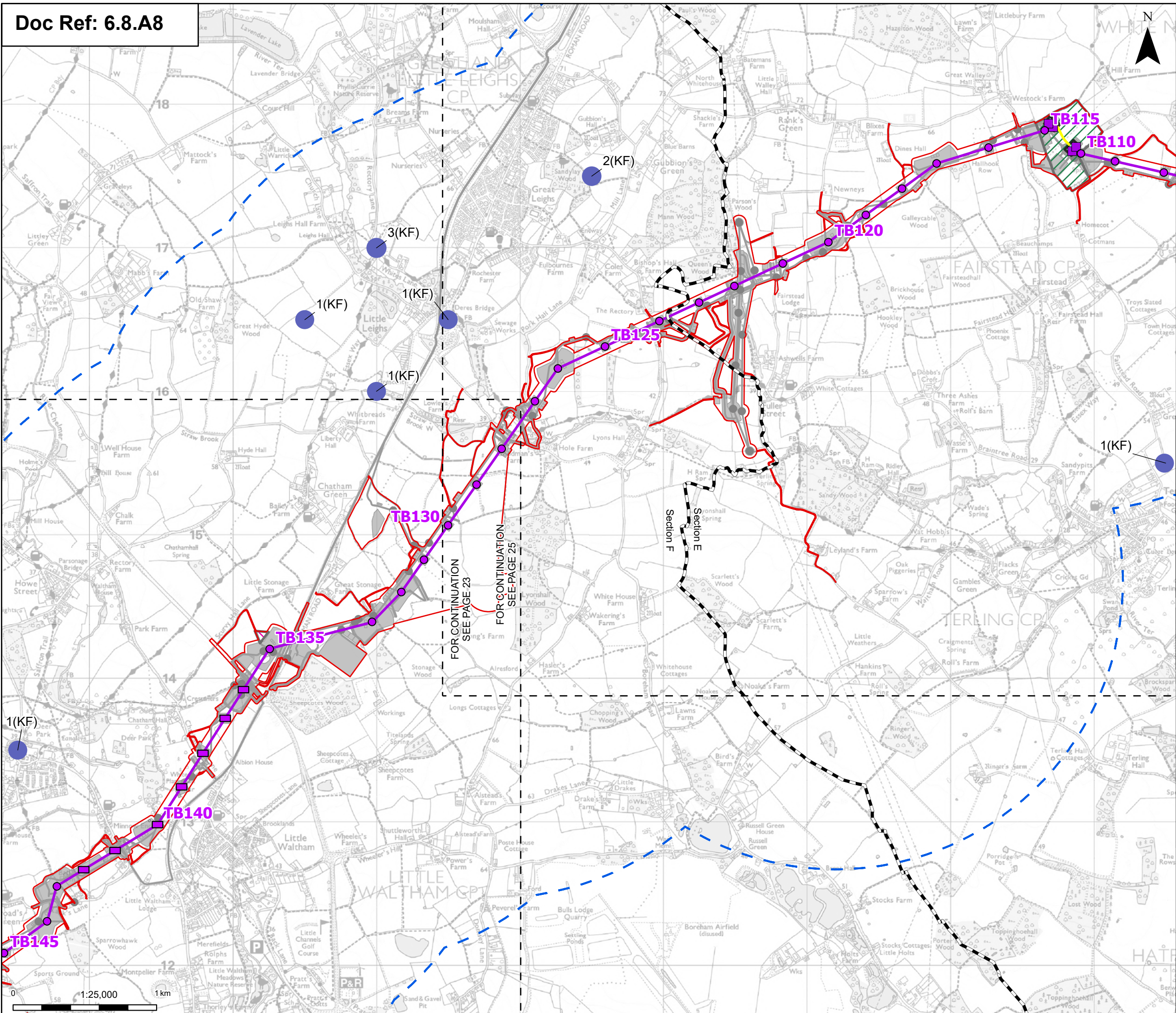
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- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

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

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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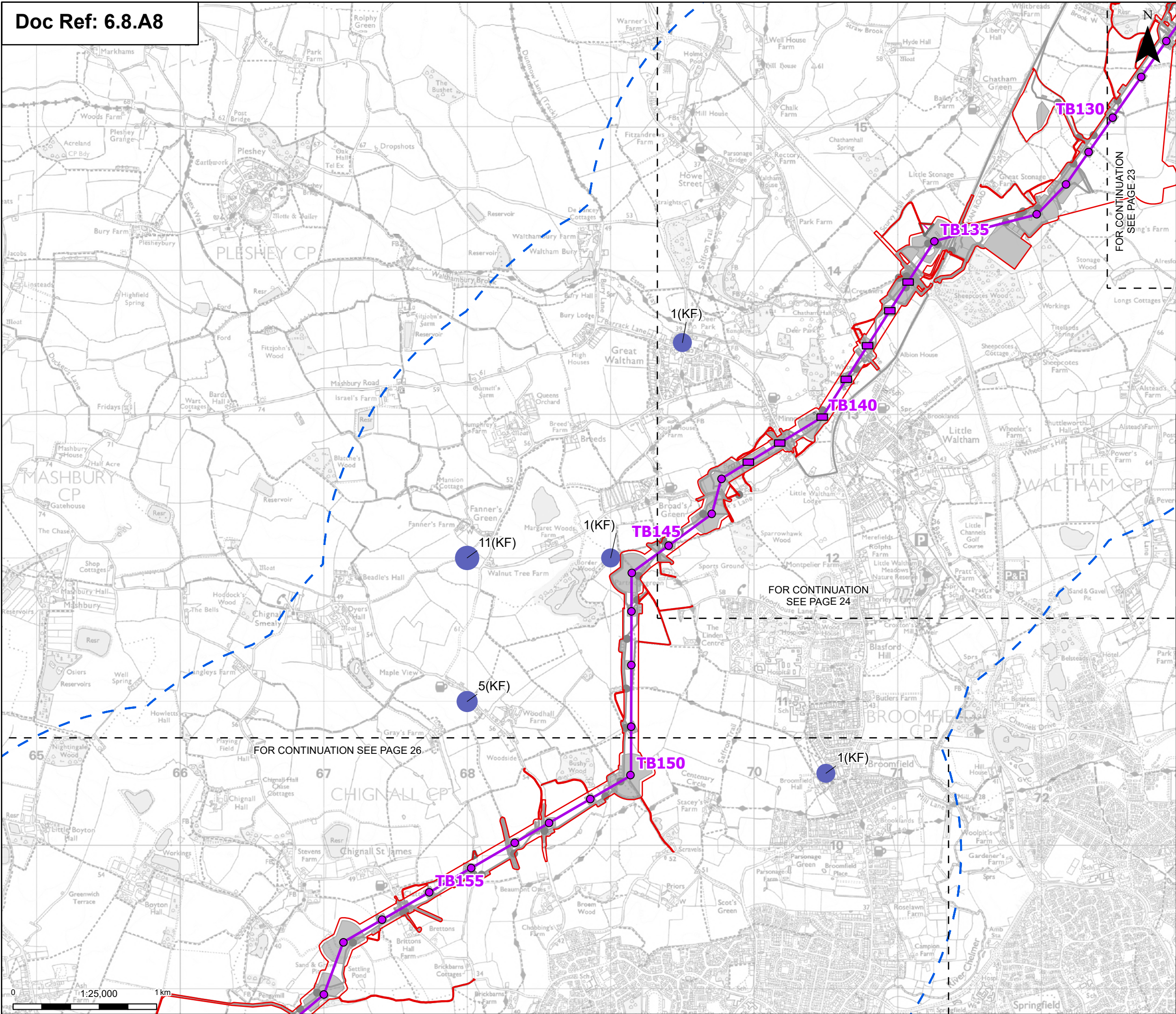
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2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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 A8.8.11 - Ecology and Biodiversity- Collision Risk Target Species - Seabirds & Kingfisher- (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:

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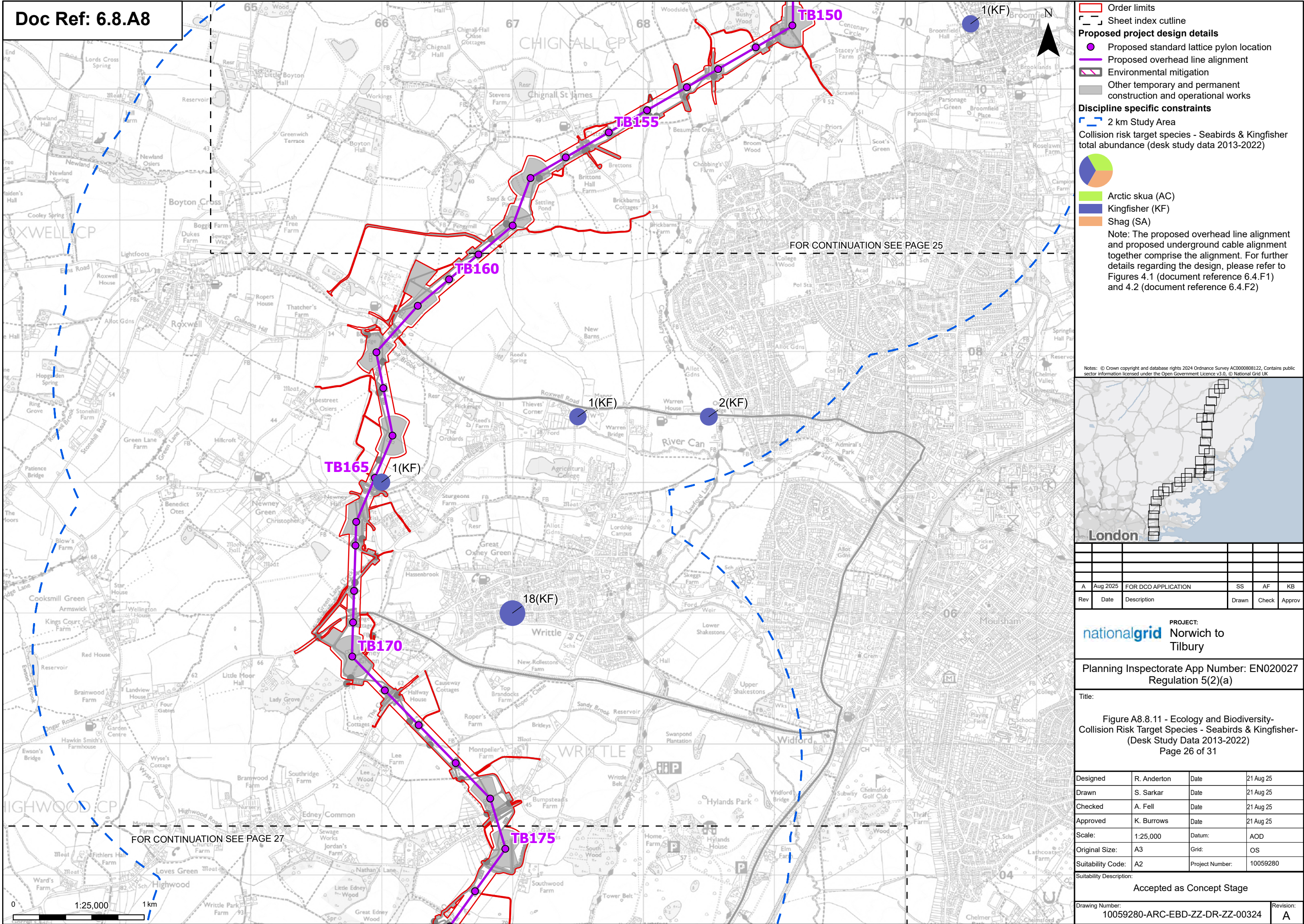
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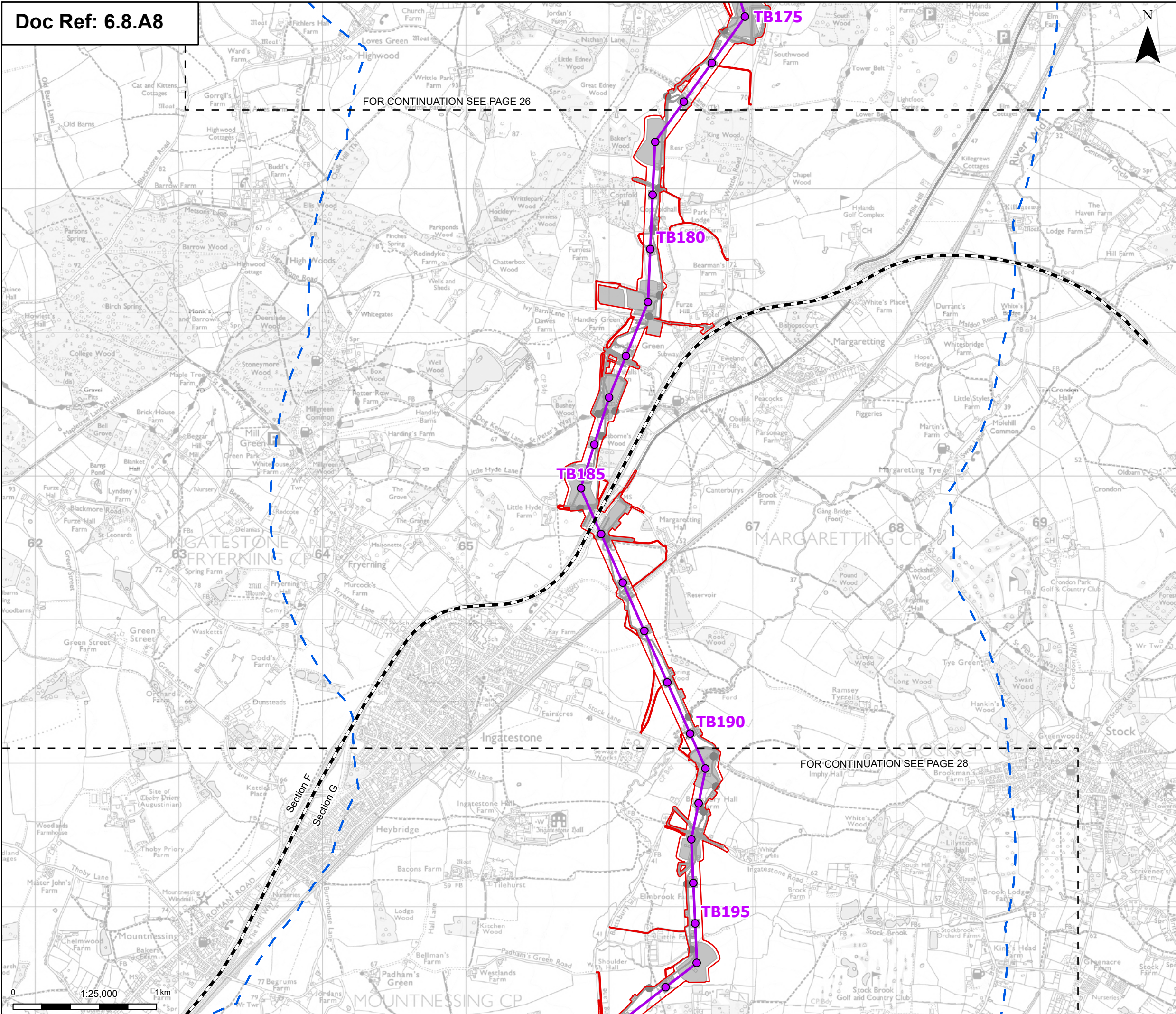
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Order limits

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

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

Figure A8.8.11 - Ecology and Biodiversity- Collision Risk Target Species - Seabirds & Kingfisher- (Desk Study Data 2013-2022)

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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:

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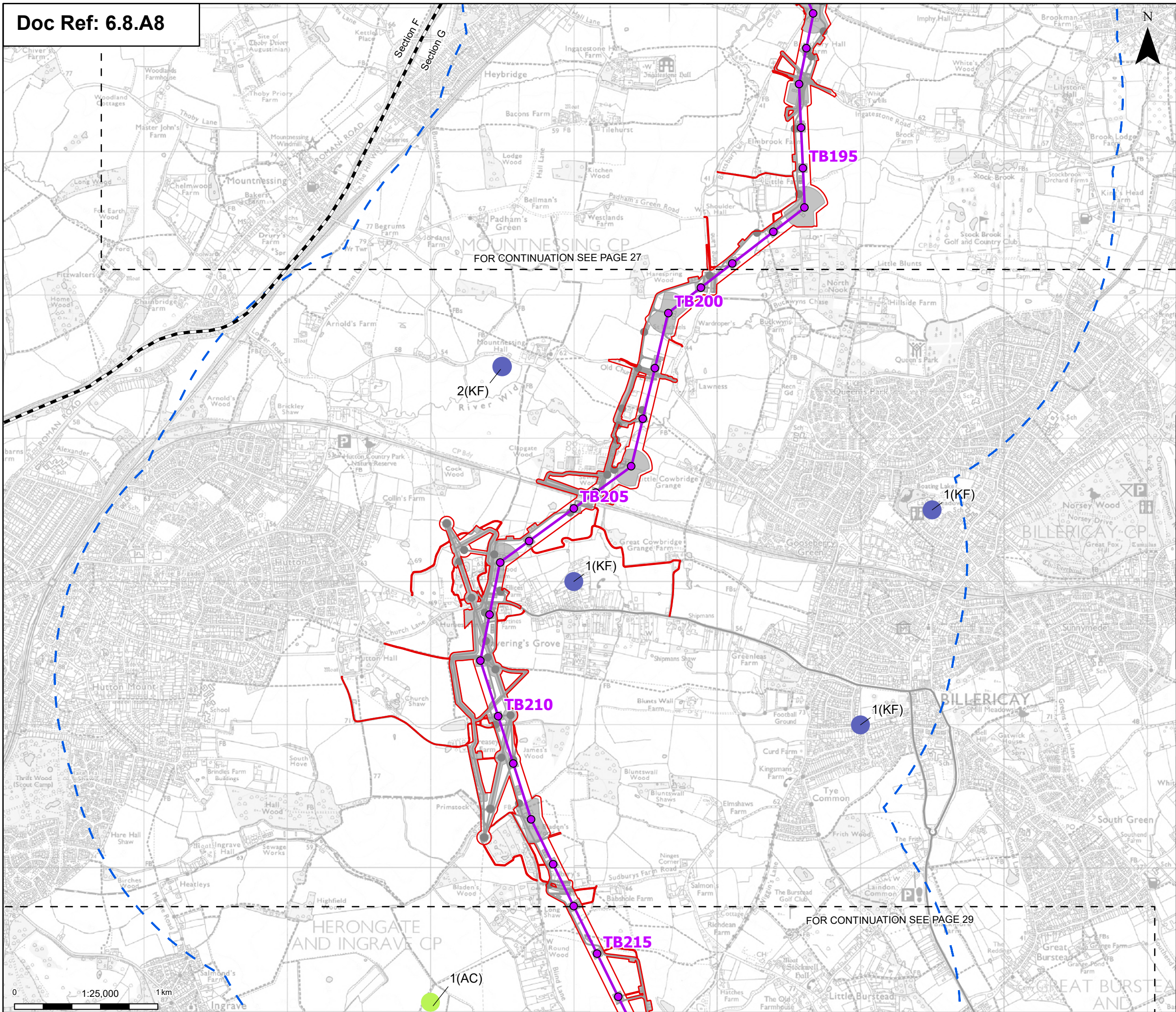
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- Project section line

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

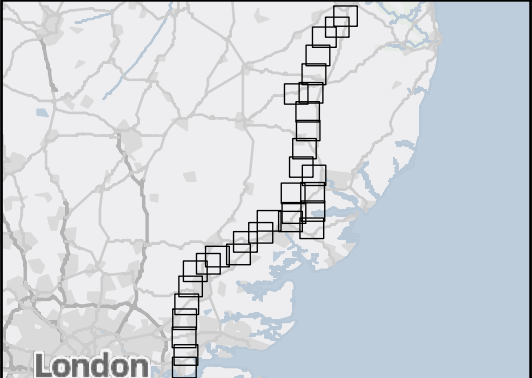
- 2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)
Kingfisher (KF)
Shag (SA)

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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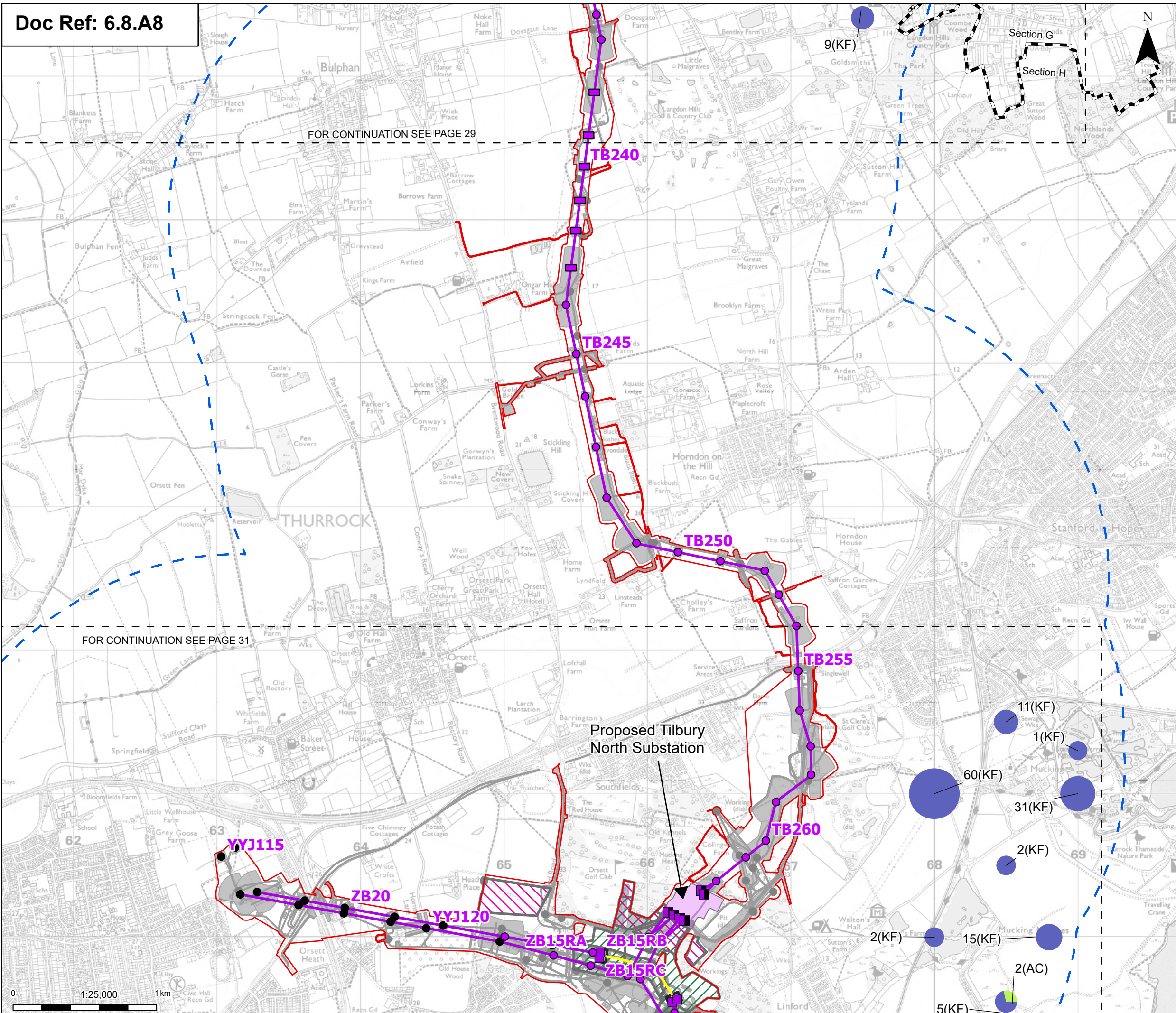
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Title:
Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00324	Revision: A
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Order limits

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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 - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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:

Figure A8.8.11 - Ecology and Biodiversity- Collision Risk Target Species - Seabirds & Kingfisher- (Desk Study Data 2013-2022) Page 30 of 31

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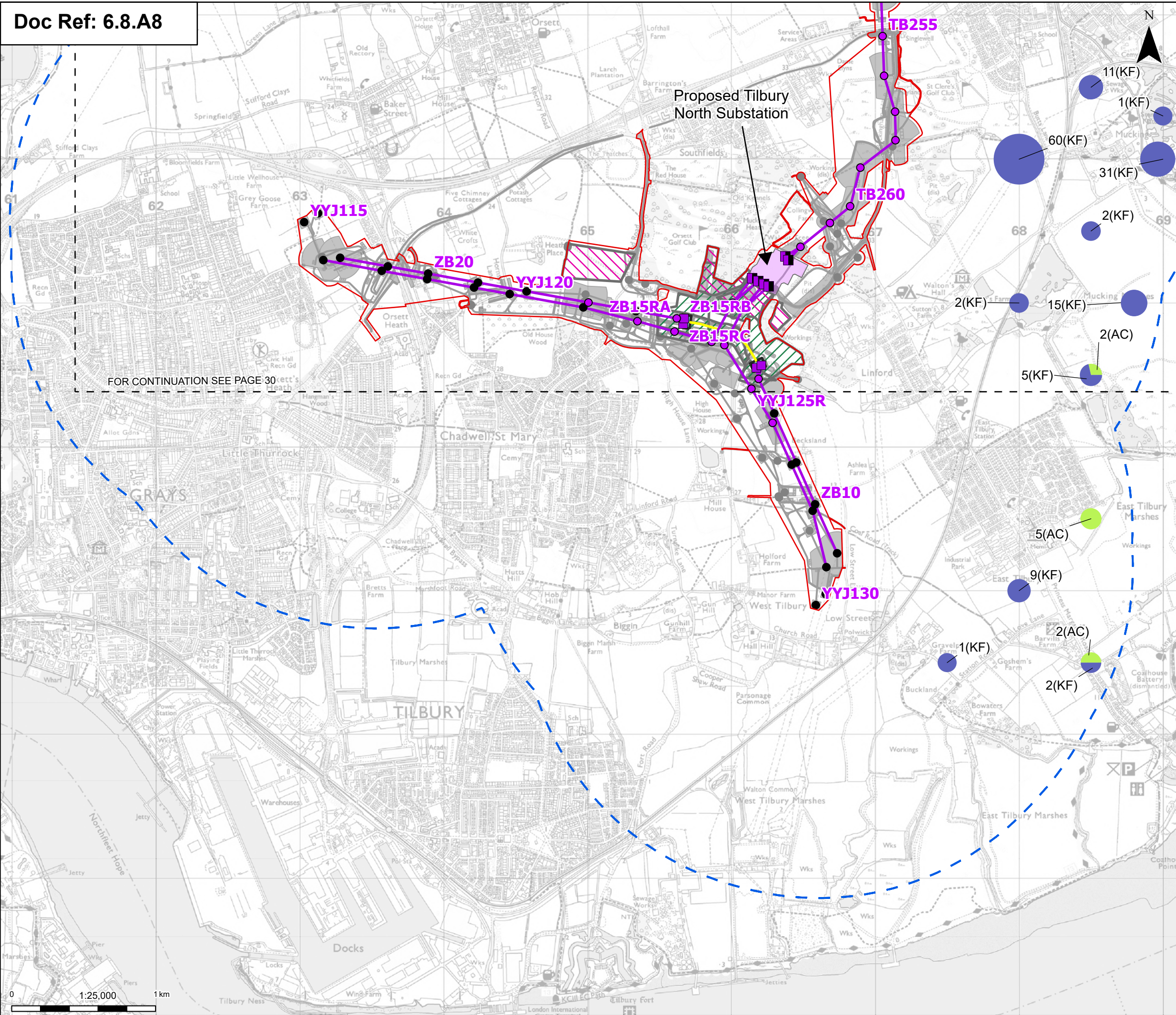
Accepted as Concept Stage

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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

2 km Study Area

Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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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Norwich to Tilbury

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

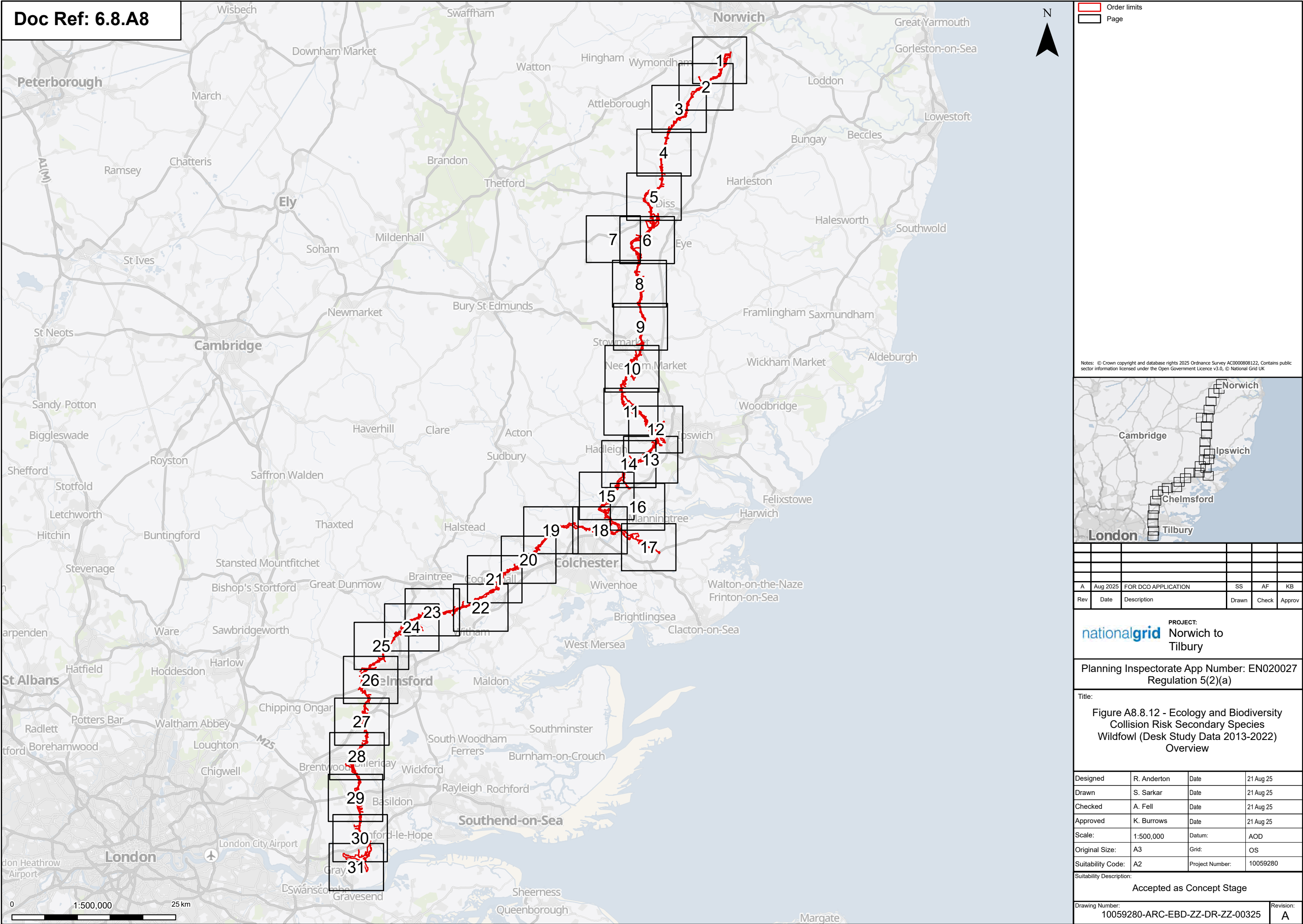
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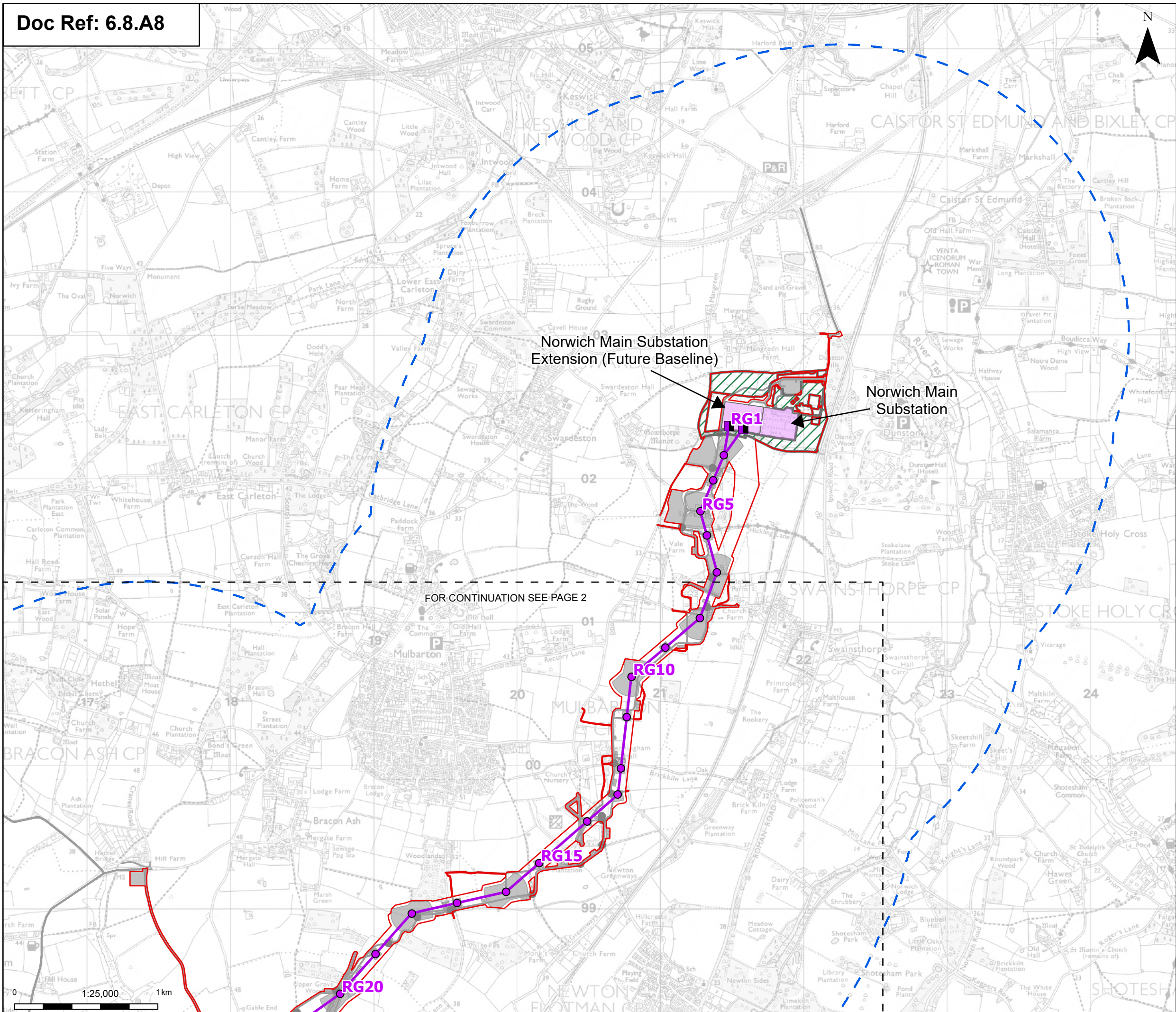
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Collision Risk Target Species - Seabirds & Kingfisher-
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Suitability Description: Accepted as Concept Stage			
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Proposed project design details

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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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

Tilbury

London

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nationalgrid

PROJECT:
Norwich to
Tilbury

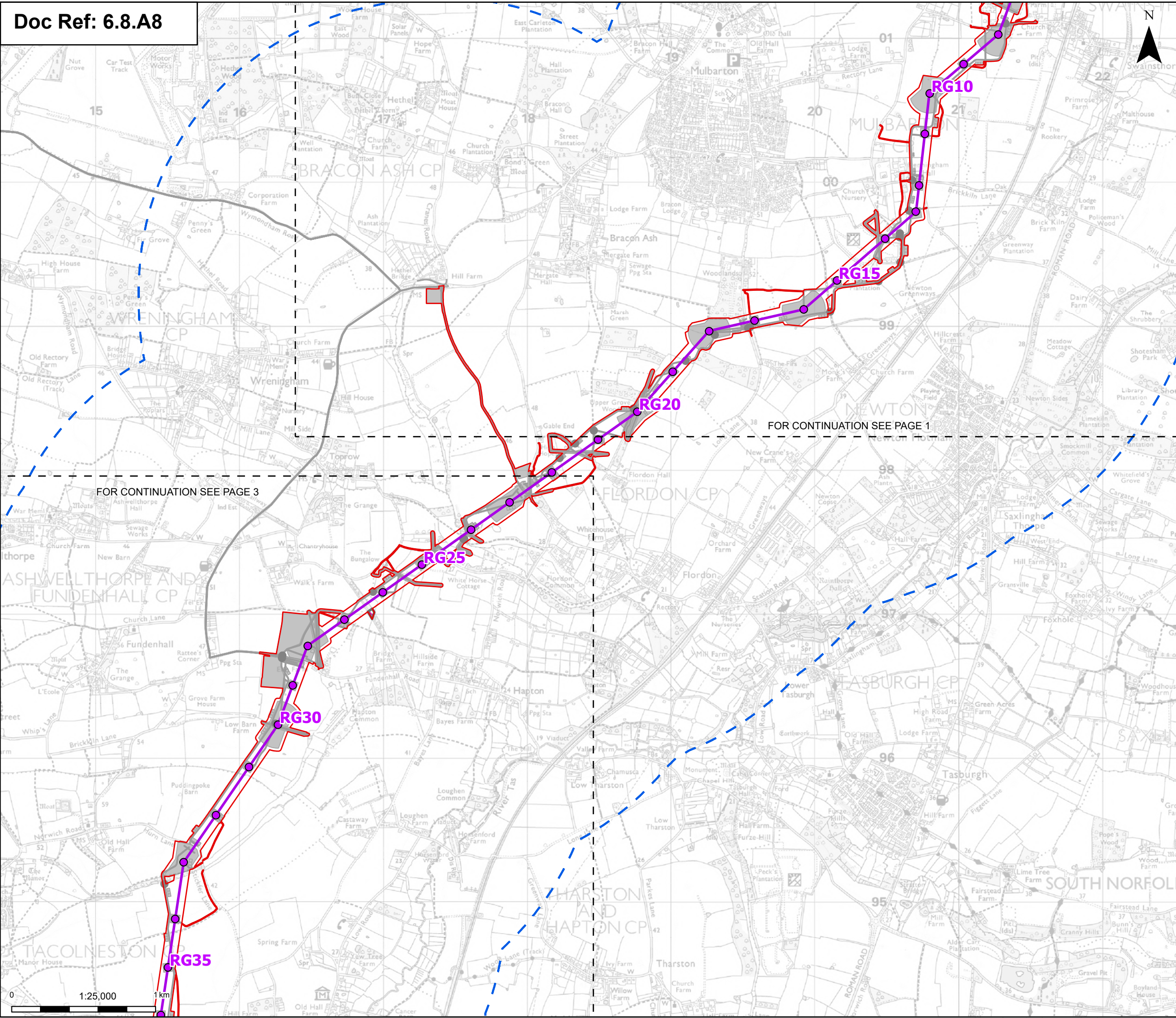
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Regulation 5(2)(a)

Title:

Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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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Title:

Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary 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
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Original Size:	A3	Grid:	OS
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Suitability Description:

Accepted as Concept Stage

Drawing Number:

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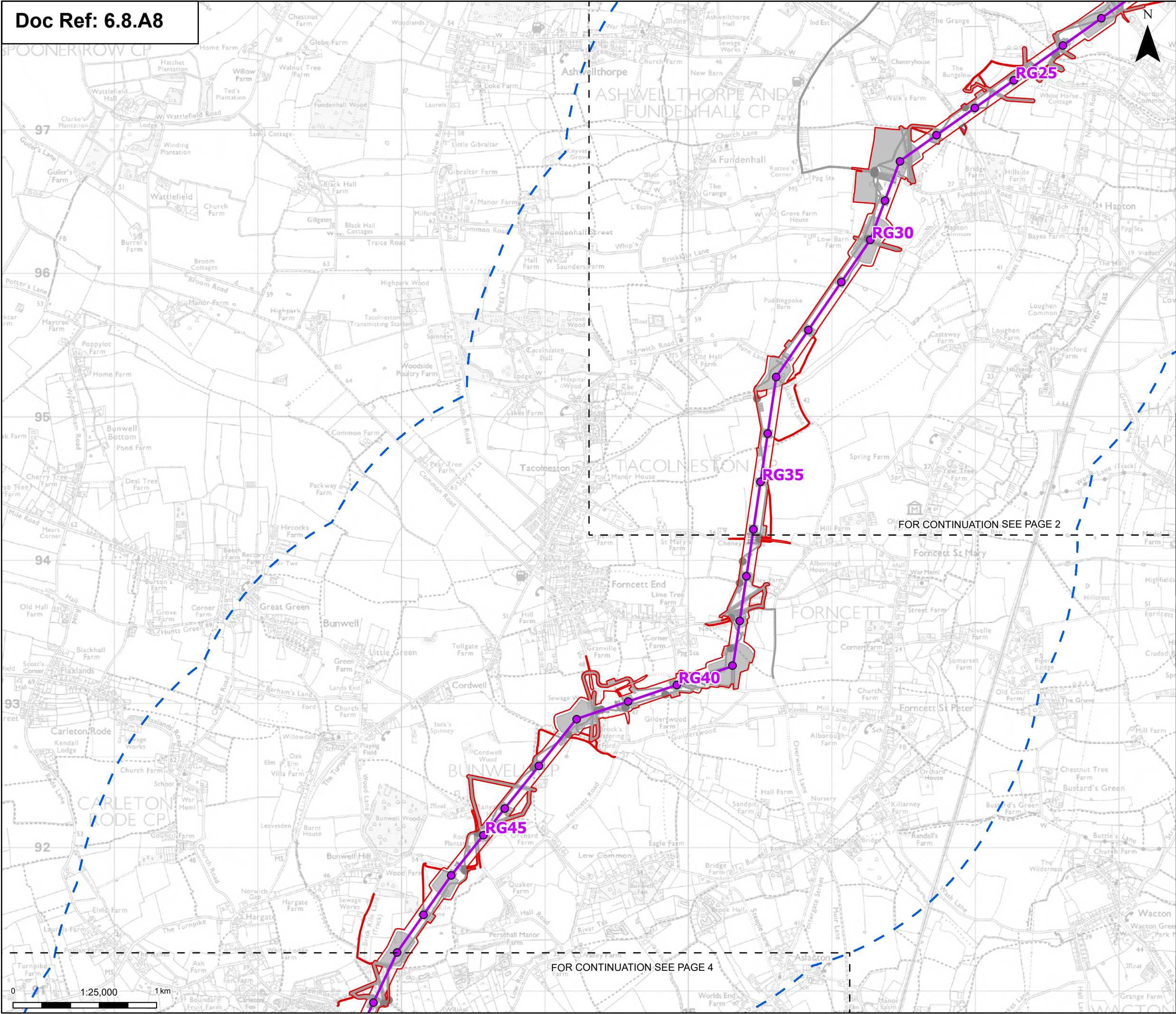
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Proposed project design details

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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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)

Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (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

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Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

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Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

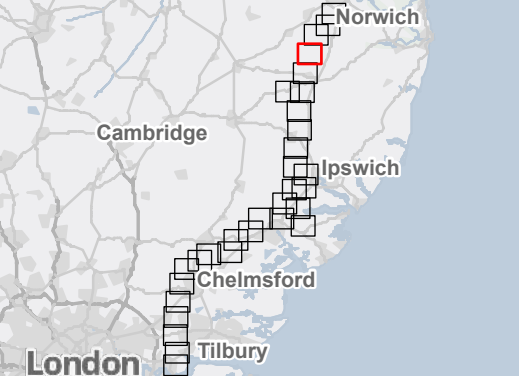
Teal (T)

Tufted duck (TD)

Wigeon (WN)

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 A8.8.12 - Ecology and Biodiversity Collision Risk Secondary Species Wildfowl (Desk Study Data 2013-2022) Page 4 of 31

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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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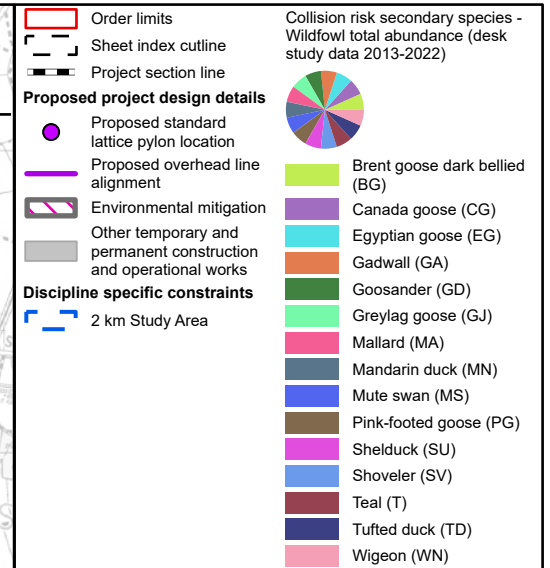
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Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00325	Revision:	A
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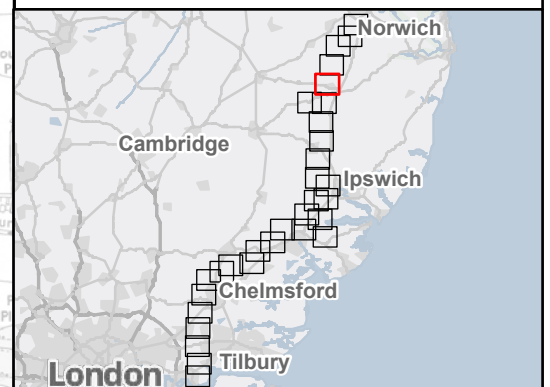
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Title: Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

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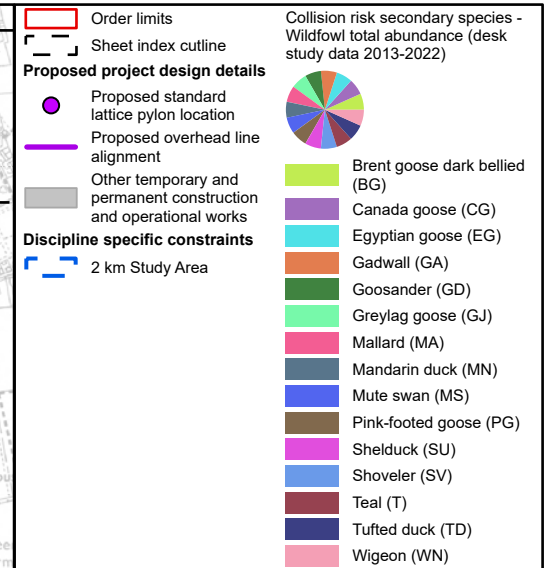
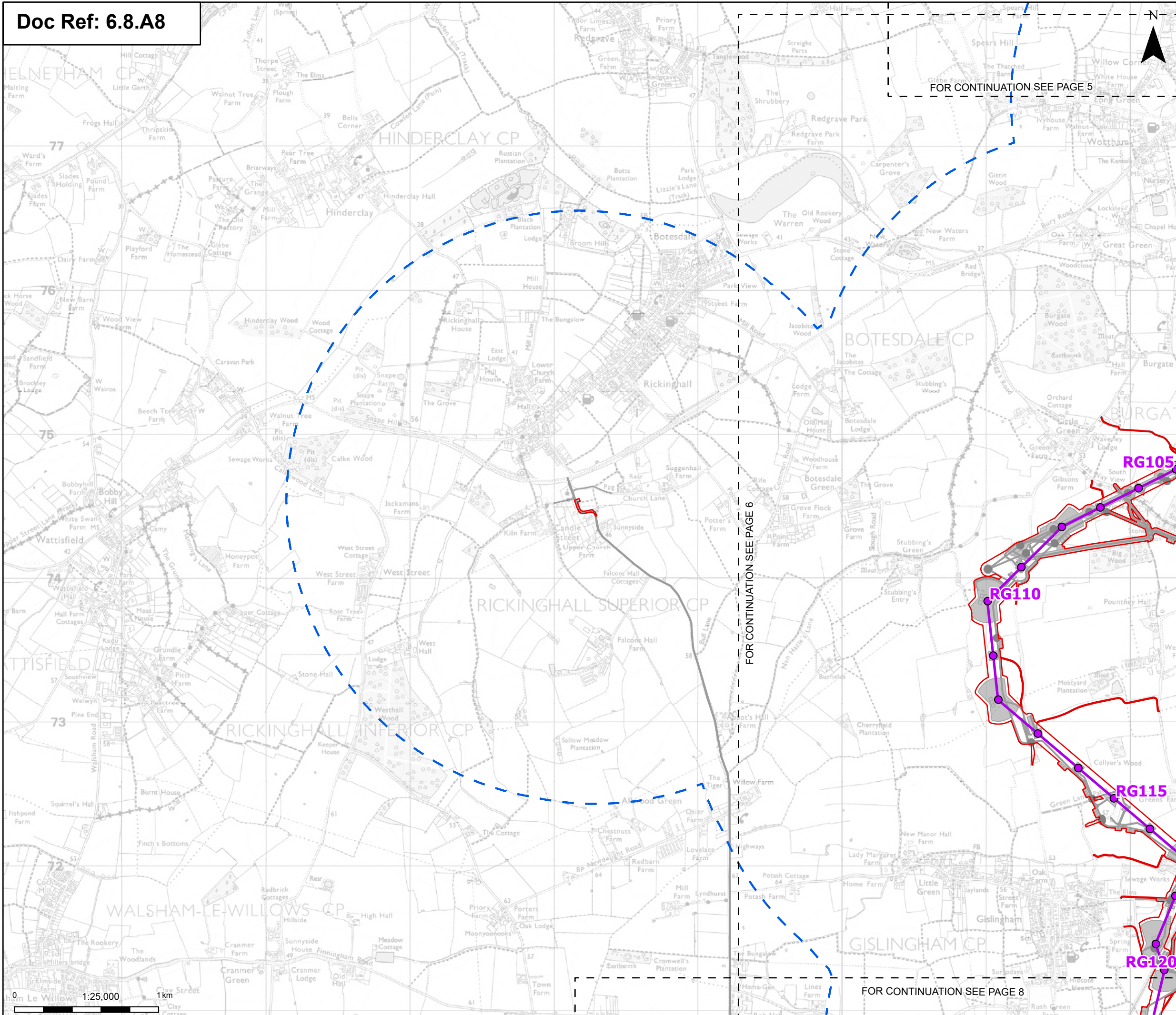
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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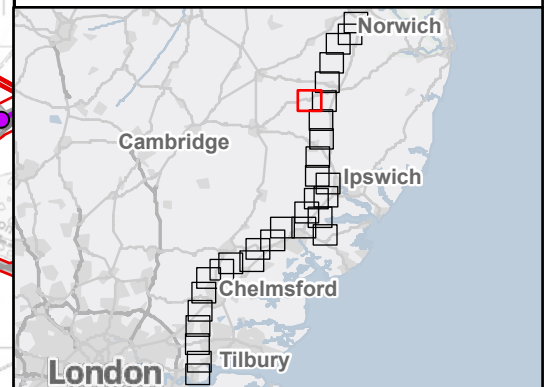
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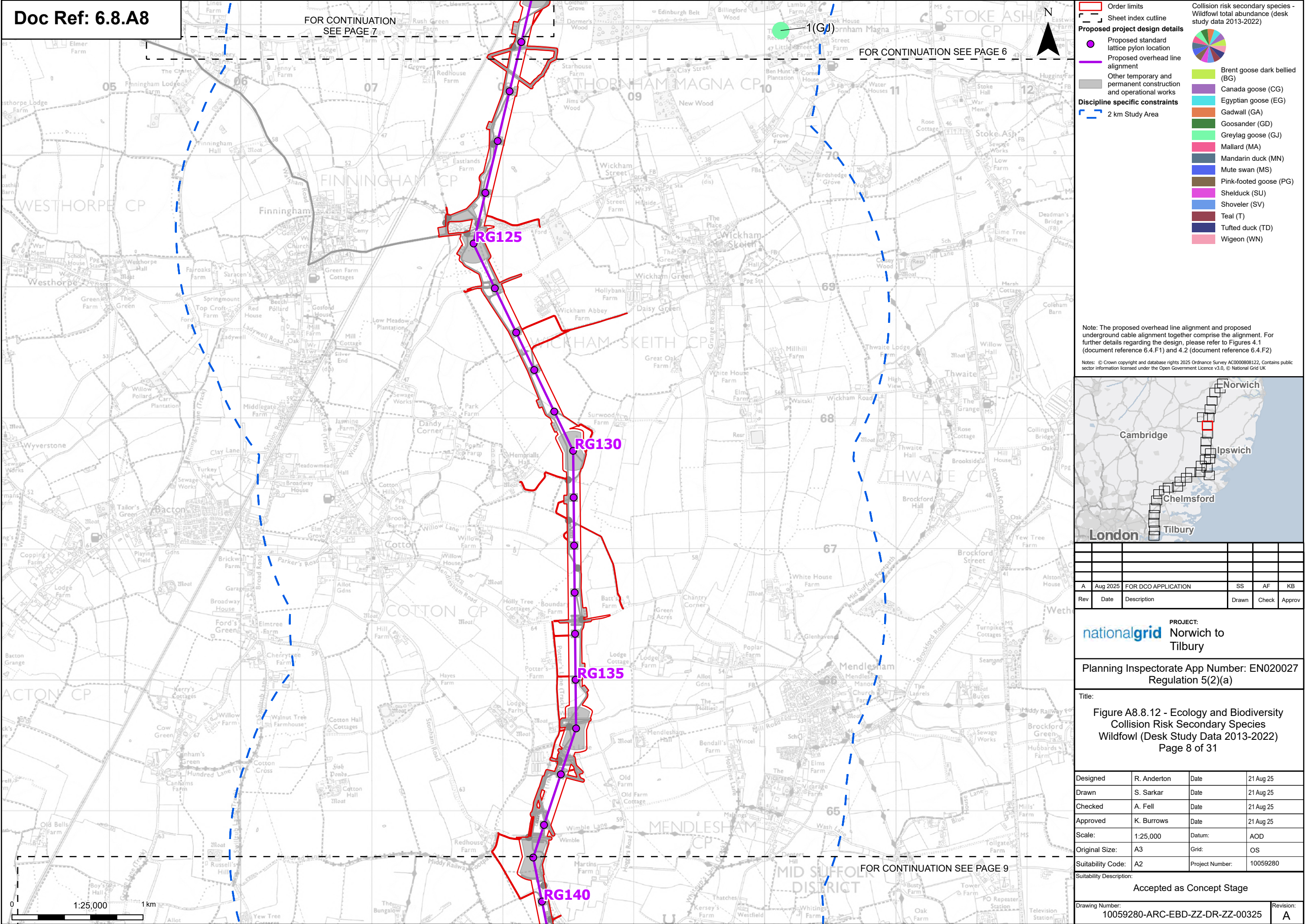
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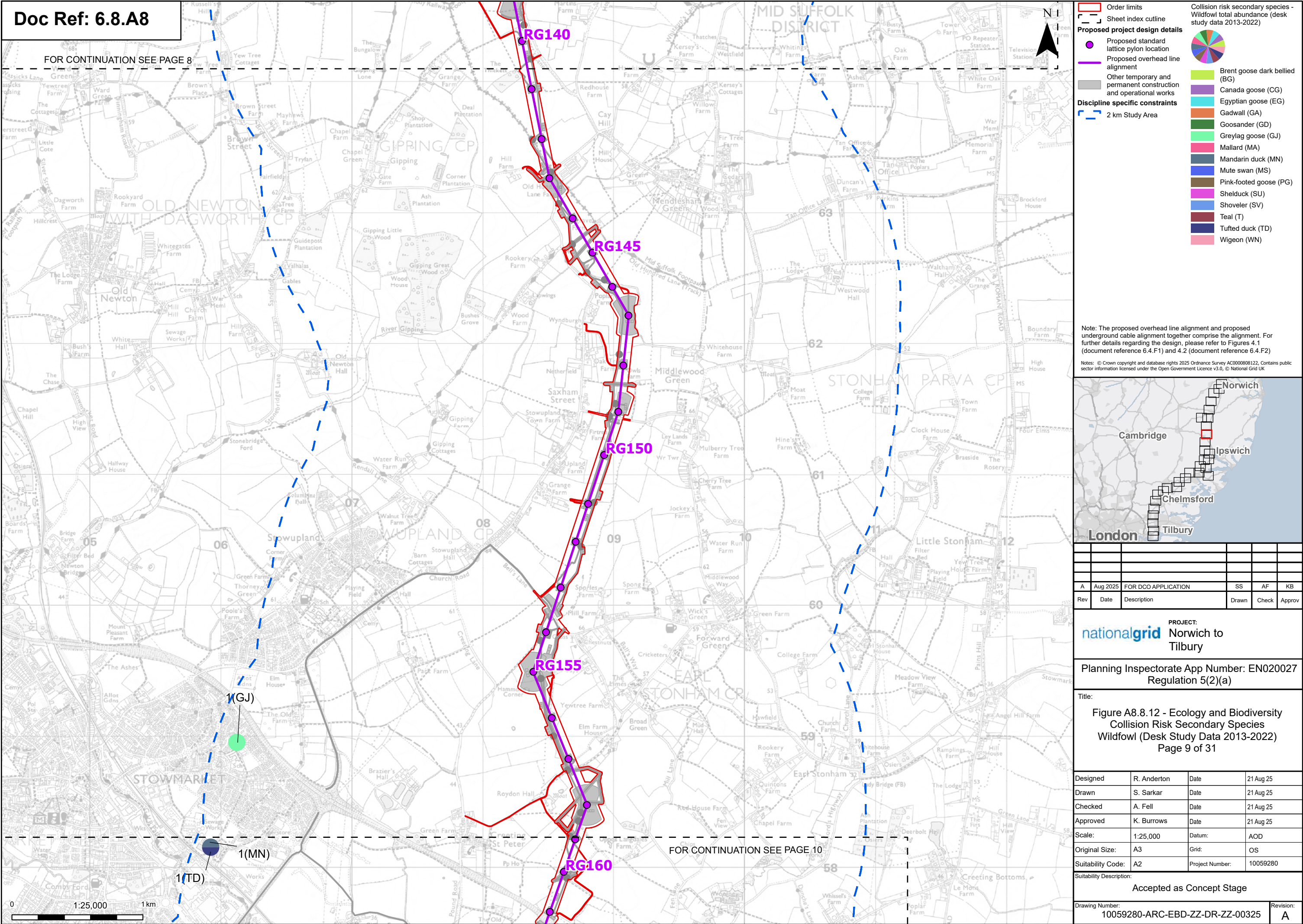
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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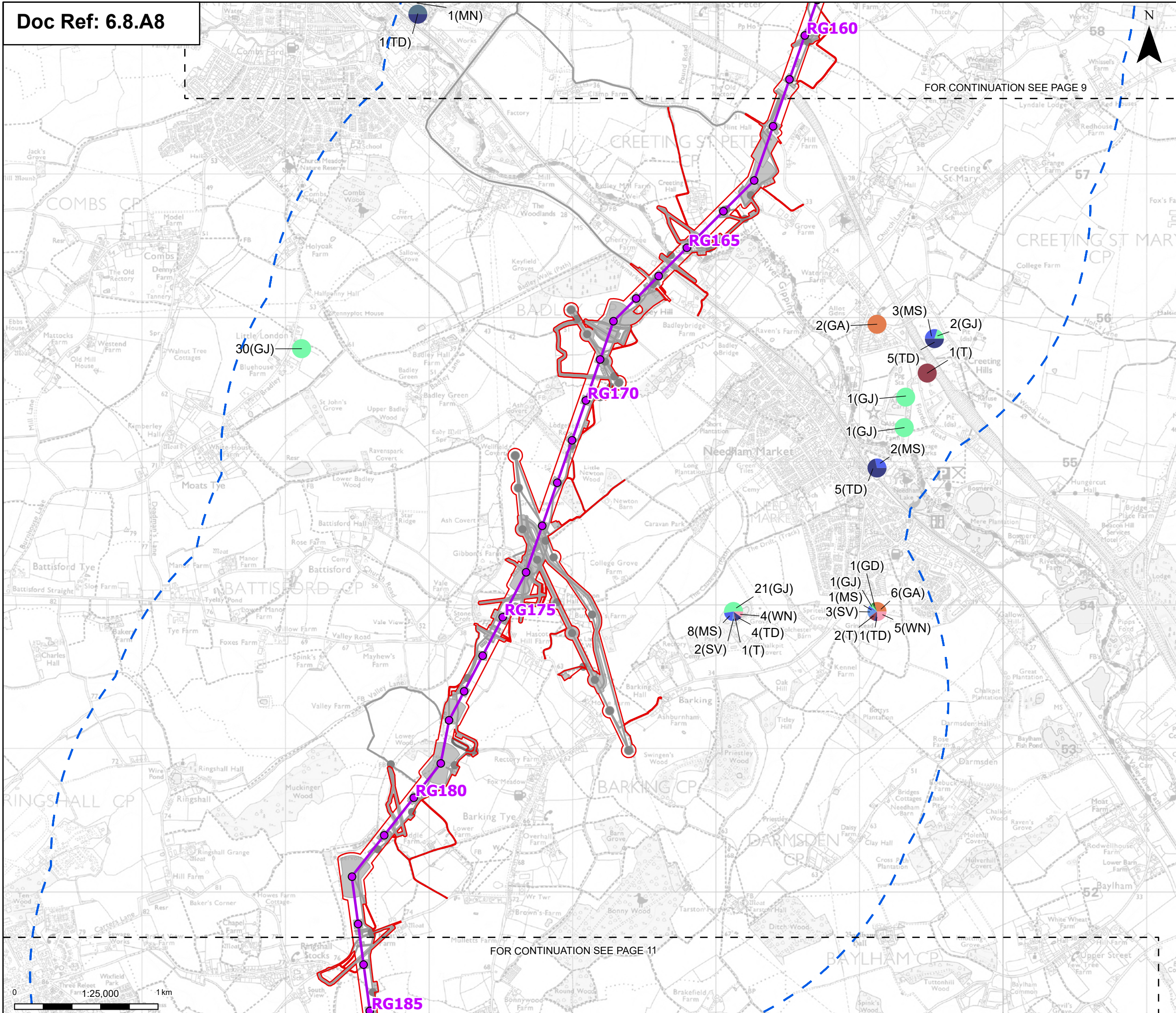
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Order limits

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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

- Brent goose dark bellied (BG)
- Canada goose (CG)
- Egyptian goose (EG)
- Gadwall (GA)
- Goosander (GD)
- Greylag goose (GJ)
- Mallard (MA)
- Mandarin duck (MN)
- Mute swan (MS)
- Pink-footed goose (PG)
- Shelduck (SU)
- Shoveler (SV)
- Teal (T)
- Tufted duck (TD)
- Wigeon (WN)

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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Map of the East of England showing the project route from Norwich to Tilbury.

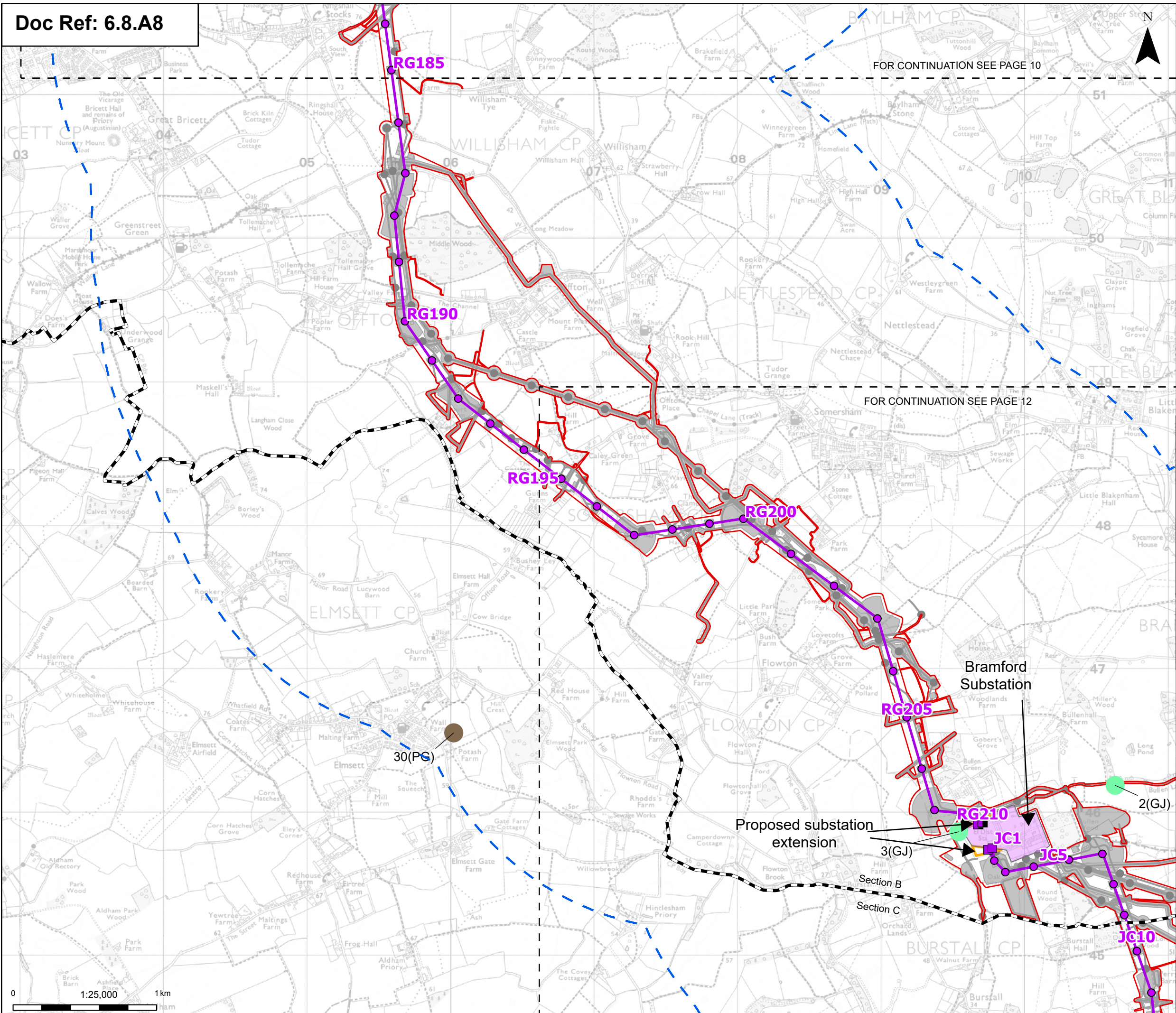
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB
Rev	Date	Description	Drawn	Check	Approv

PROJECT: Norwich to Tilbury

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

Title: Figure A8.8.12 - Ecology and Biodiversity Collision Risk Secondary Species Wildfowl (Desk Study Data 2013-2022) Page 10 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-00325			Revision: A



Order limits

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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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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

nationalgrid

PROJECT:
Norwich to
Tilbury

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

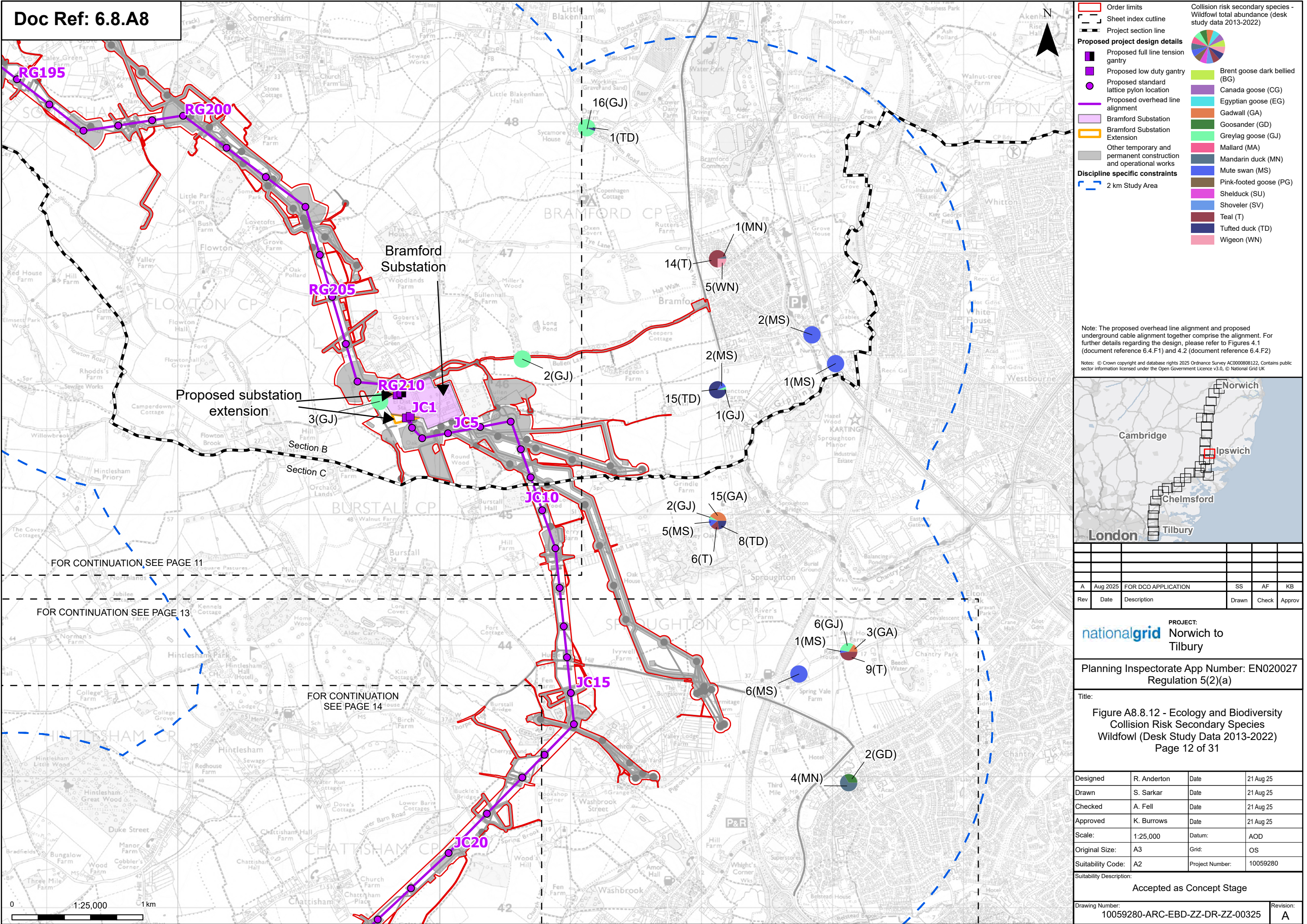
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 11 of 31

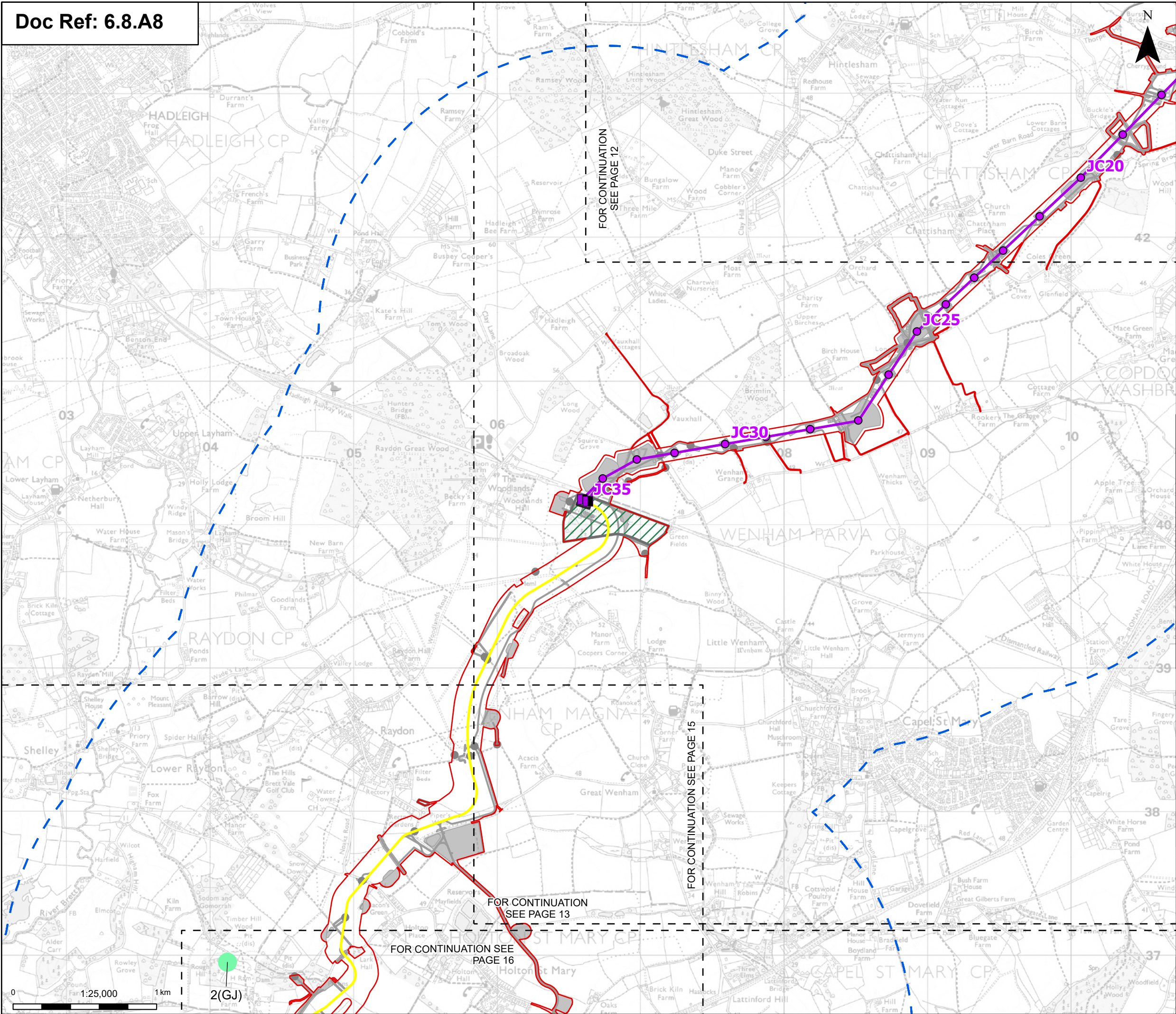
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00325

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

Discipline specific constraints

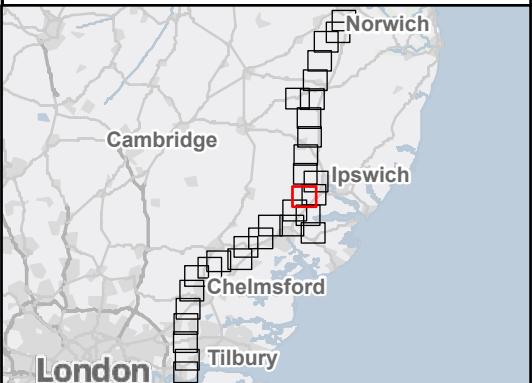
- 2 km Study Area

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

- Brent goose dark bellied (BG)
- Canada goose (CG)
- Egyptian goose (EG)
- Gadwall (GA)
- Goosander (GD)
- Greylag goose (GJ)
- Mallard (MA)
- Mandarin duck (MN)
- Mute swan (MS)
- Pink-footed goose (PG)
- Shelduck (SU)
- Shoveler (SV)
- Teal (T)
- Tufted duck (TD)
- Wigeon (WN)

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)

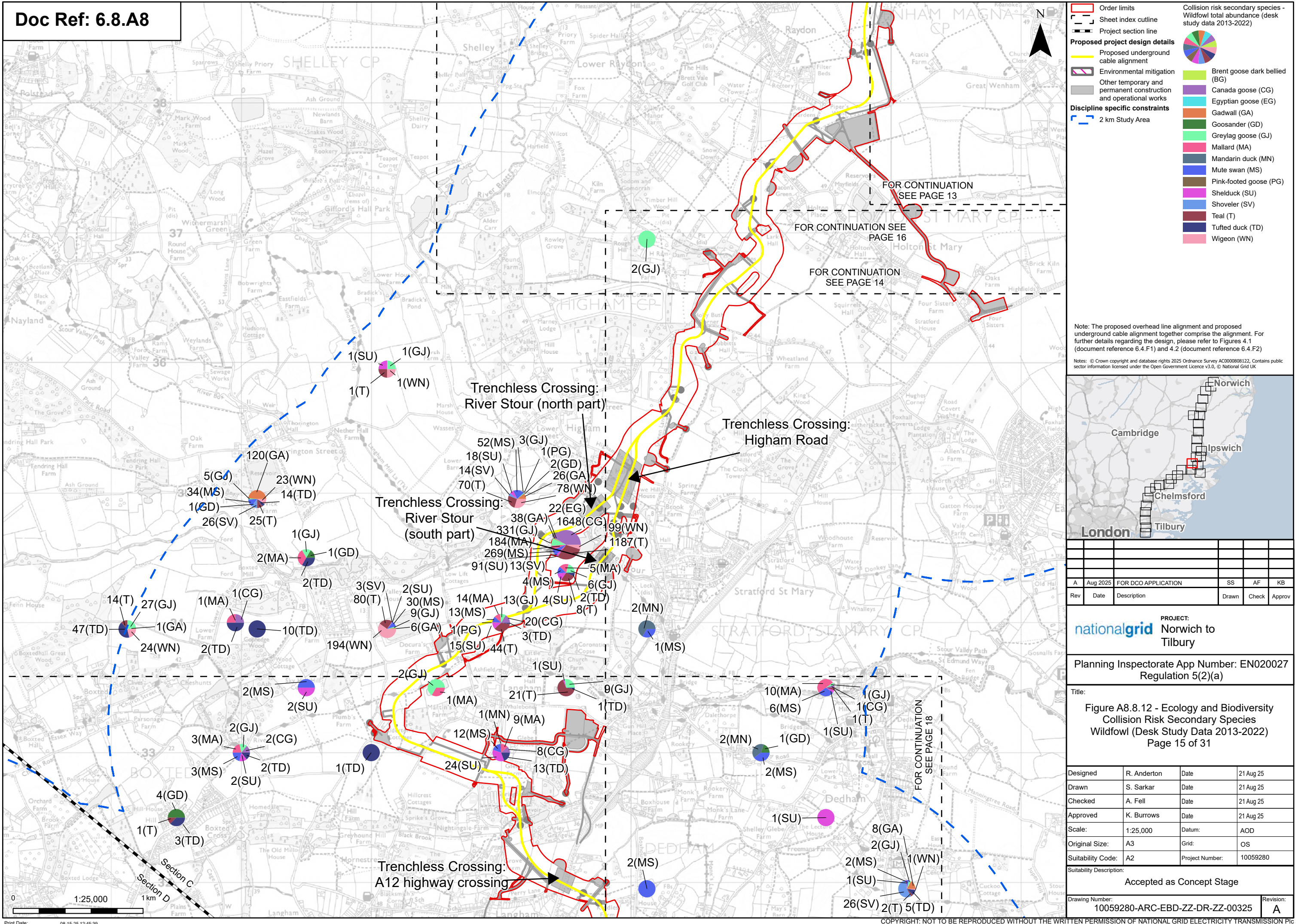
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 14 of 31**

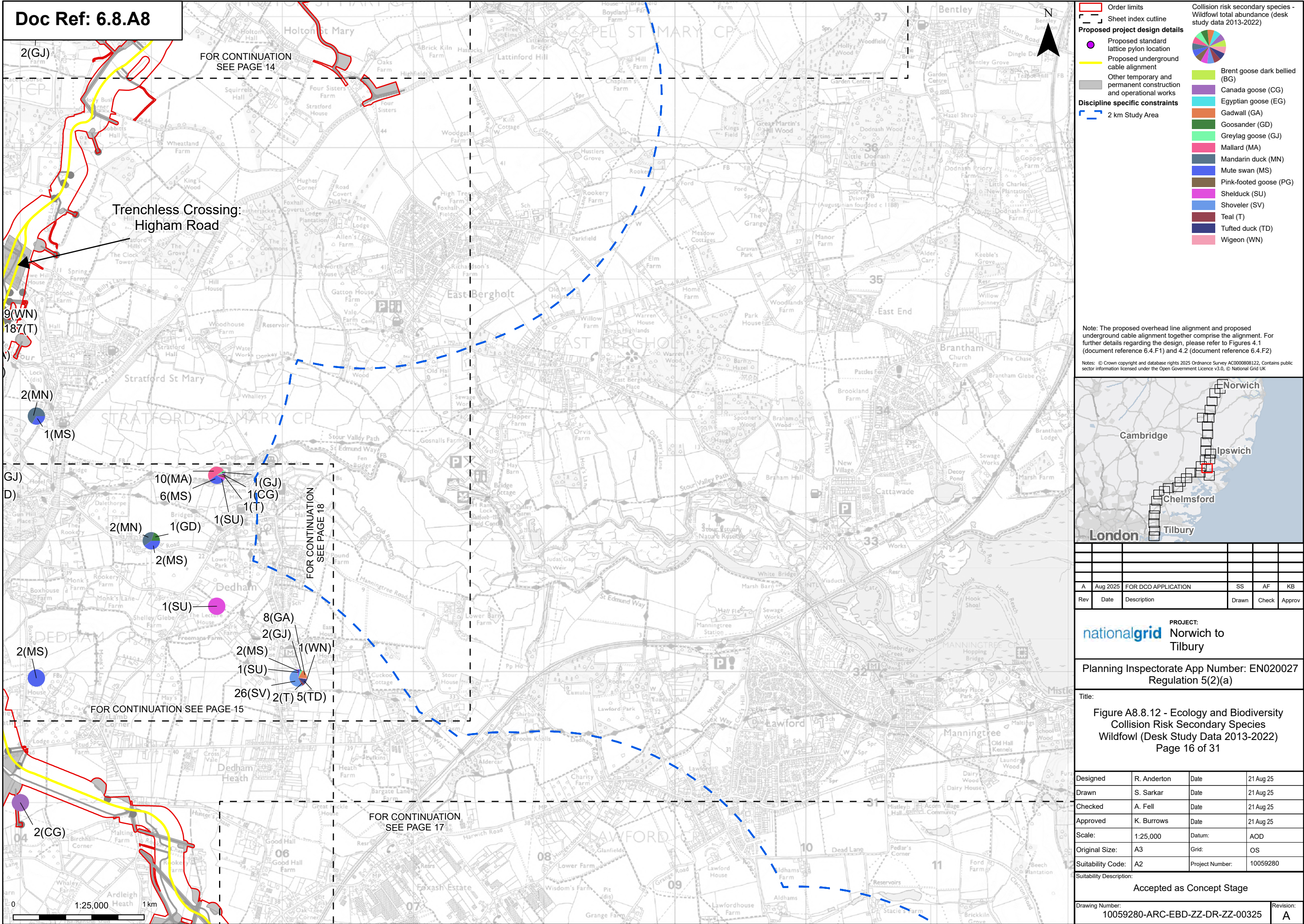
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

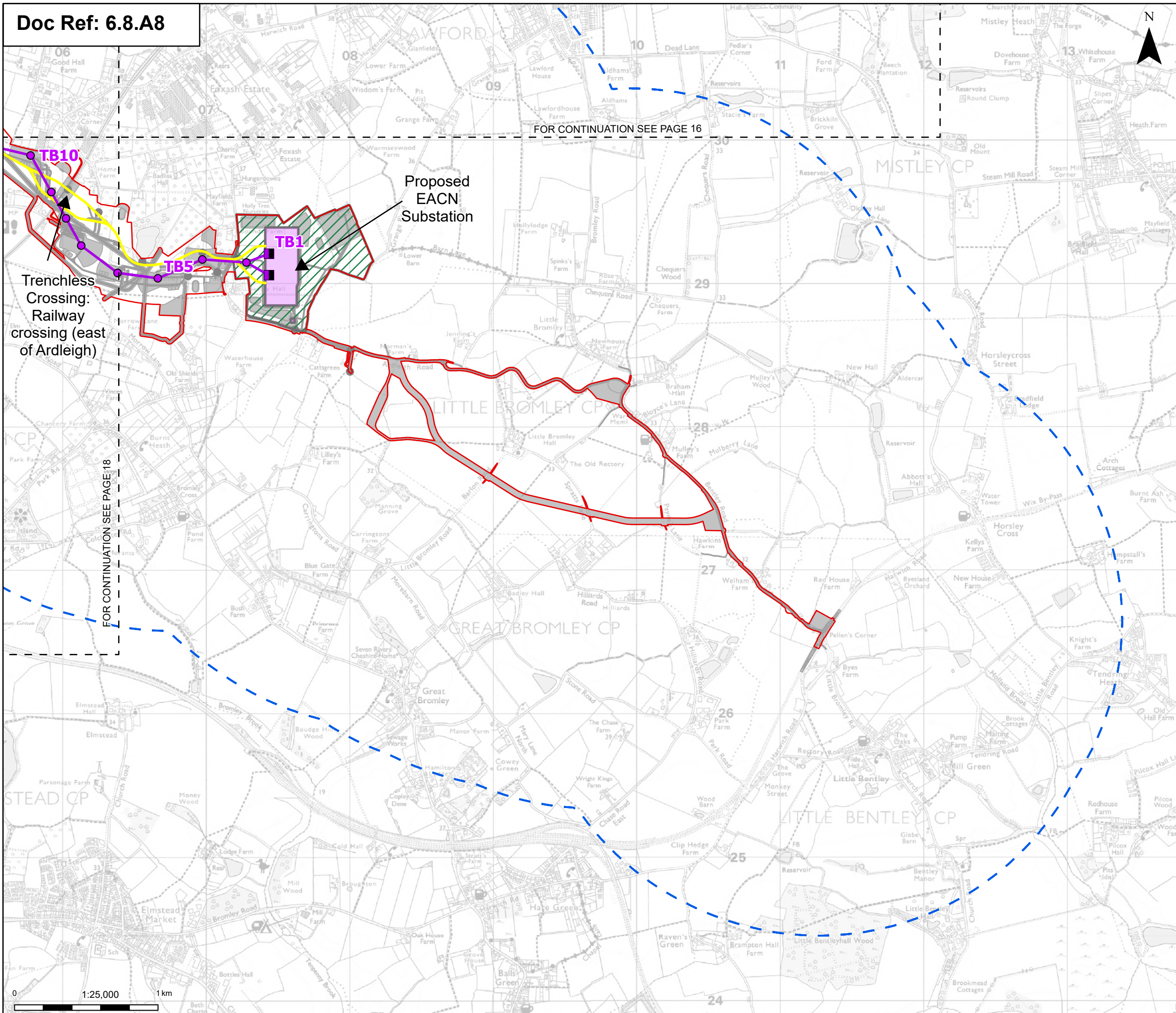
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Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00325

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 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

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

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Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

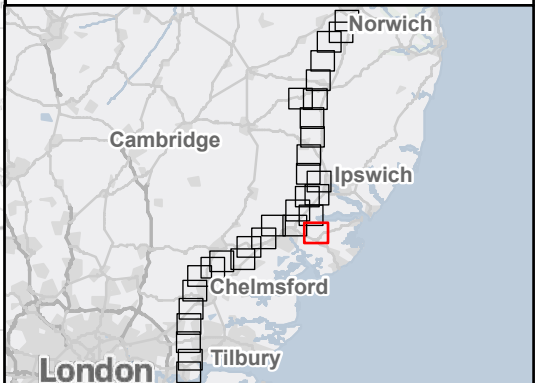
Tufted duck (TD)

Wigeon (WN)

Collision risk secondary species - Wildfowl 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:
nationalgrid Norwich to Tilbury

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

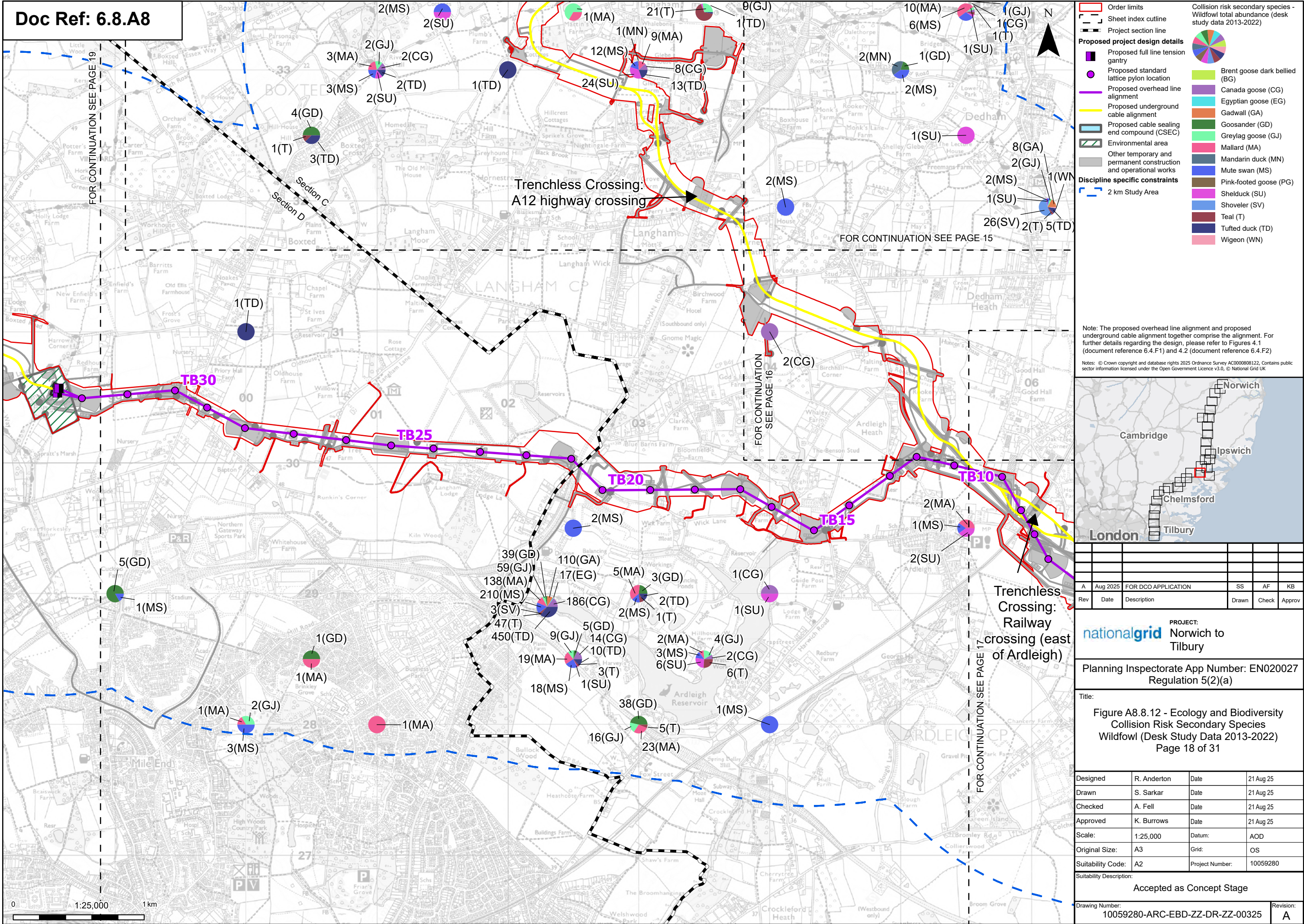
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 17 of 31

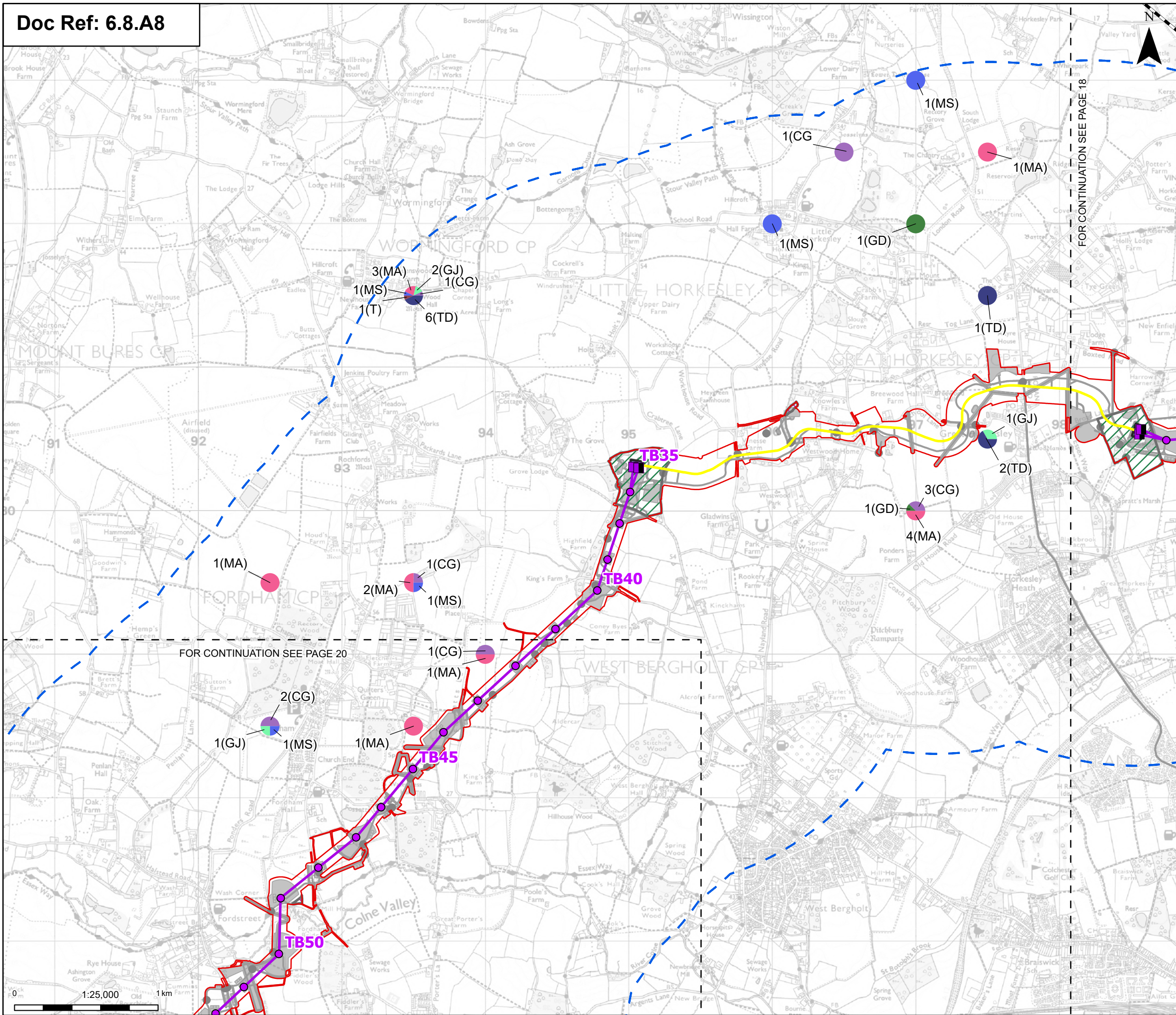
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00325

Revision:
A





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Project section line

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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
2 km Study Area

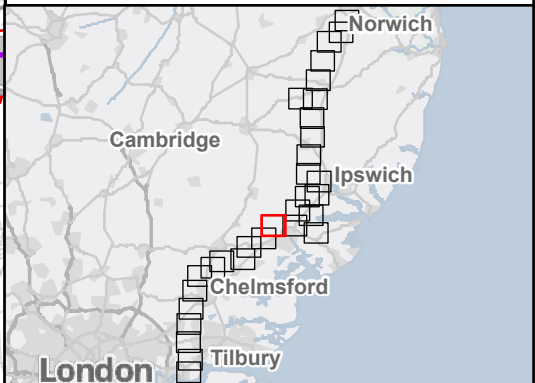
Discipline specific constraints
2 km Study Area

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

- Brent goose dark bellied (BG)
- Canada goose (CG)
- Egyptian goose (EG)
- Gadwall (GA)
- Goosander (GD)
- Greylag goose (GJ)
- Mallard (MA)
- Mandarin duck (MN)
- Mute swan (MS)
- Pink-footed goose (PG)
- Shelduck (SU)
- Shoveler (SV)
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- Tufted duck (TD)
- Wigeon (WN)

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**

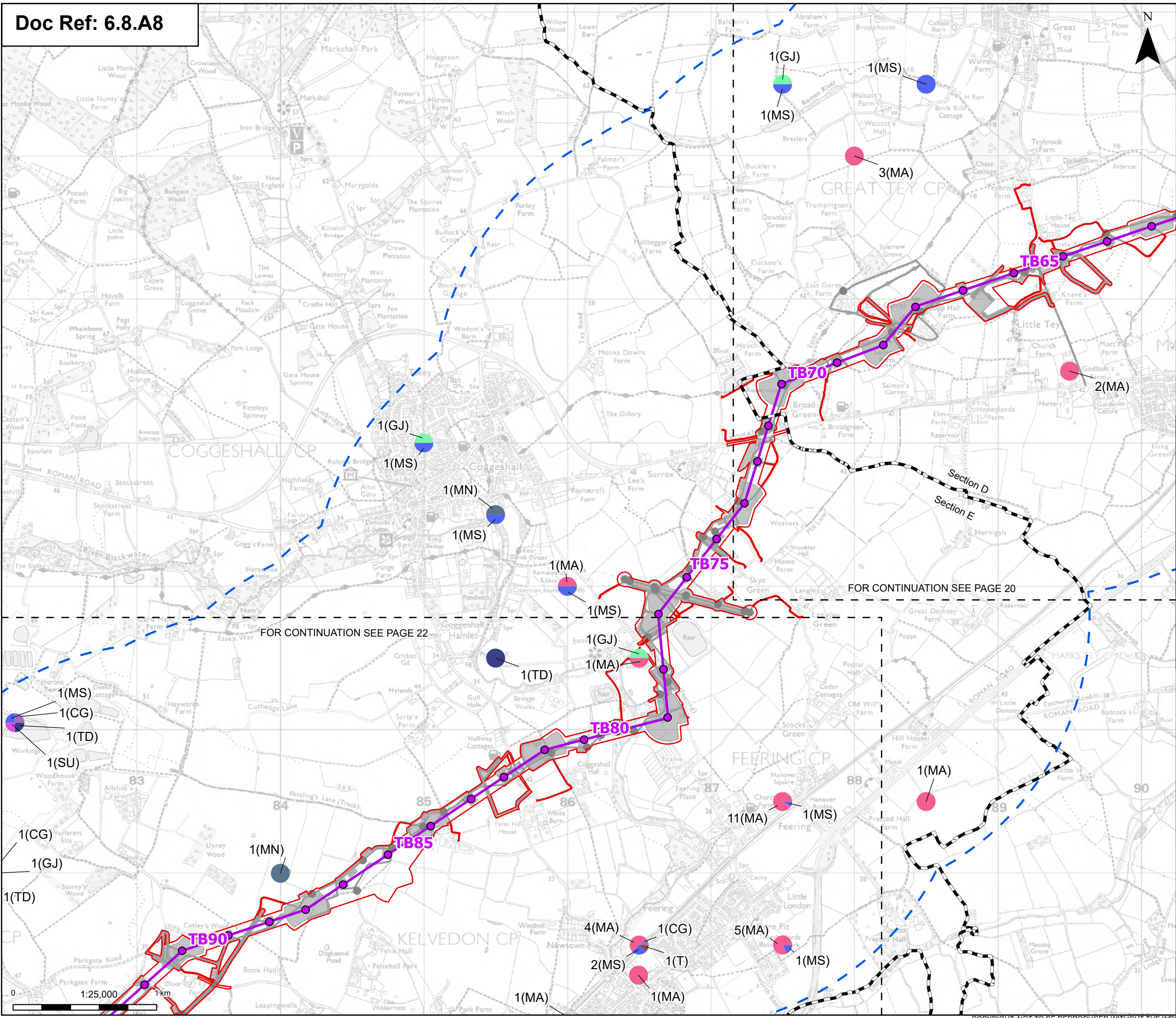
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Regulation 5(2)(a)

Title:
**Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary 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
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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-00325	Revision:	A
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Order limits

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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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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 A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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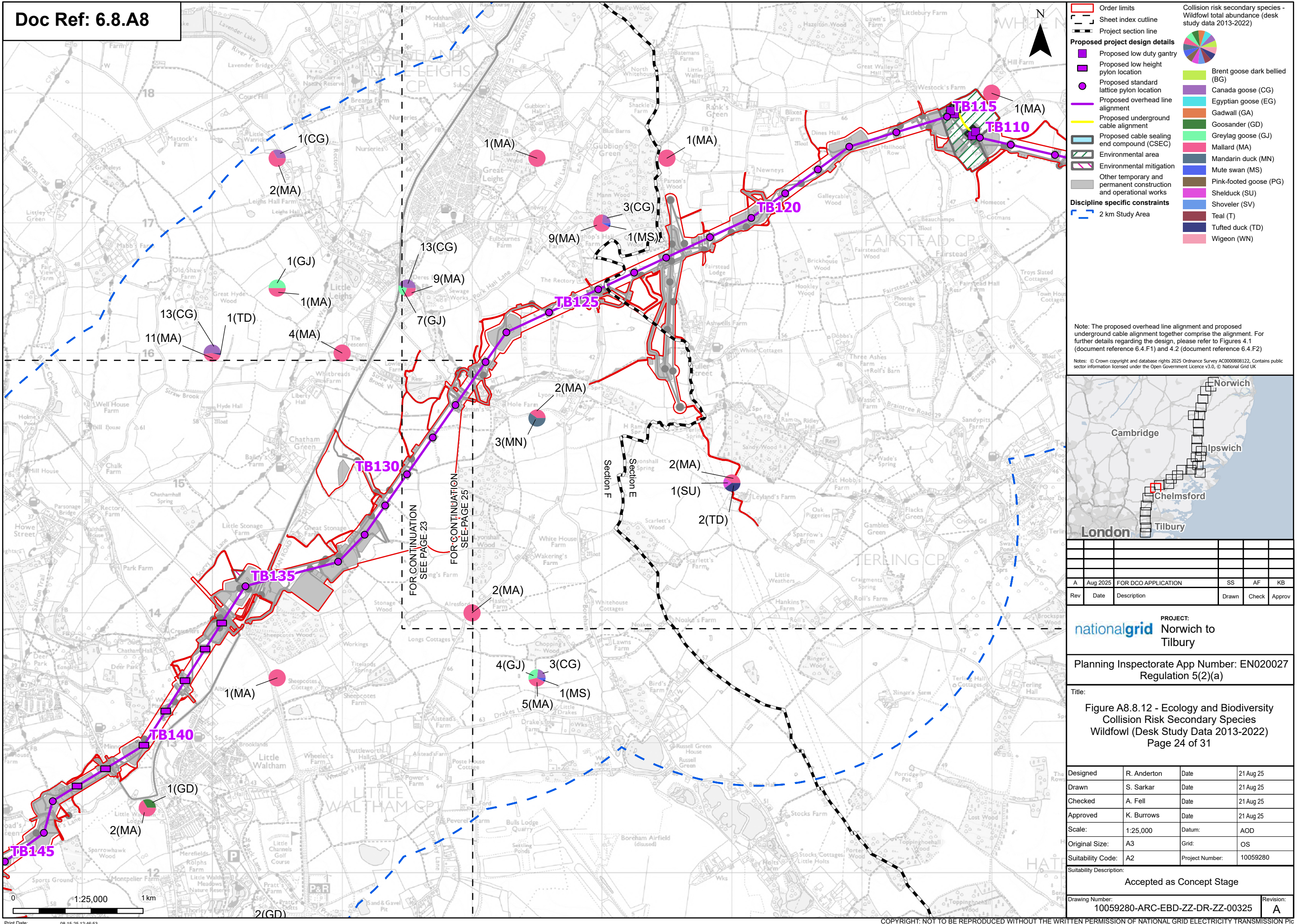
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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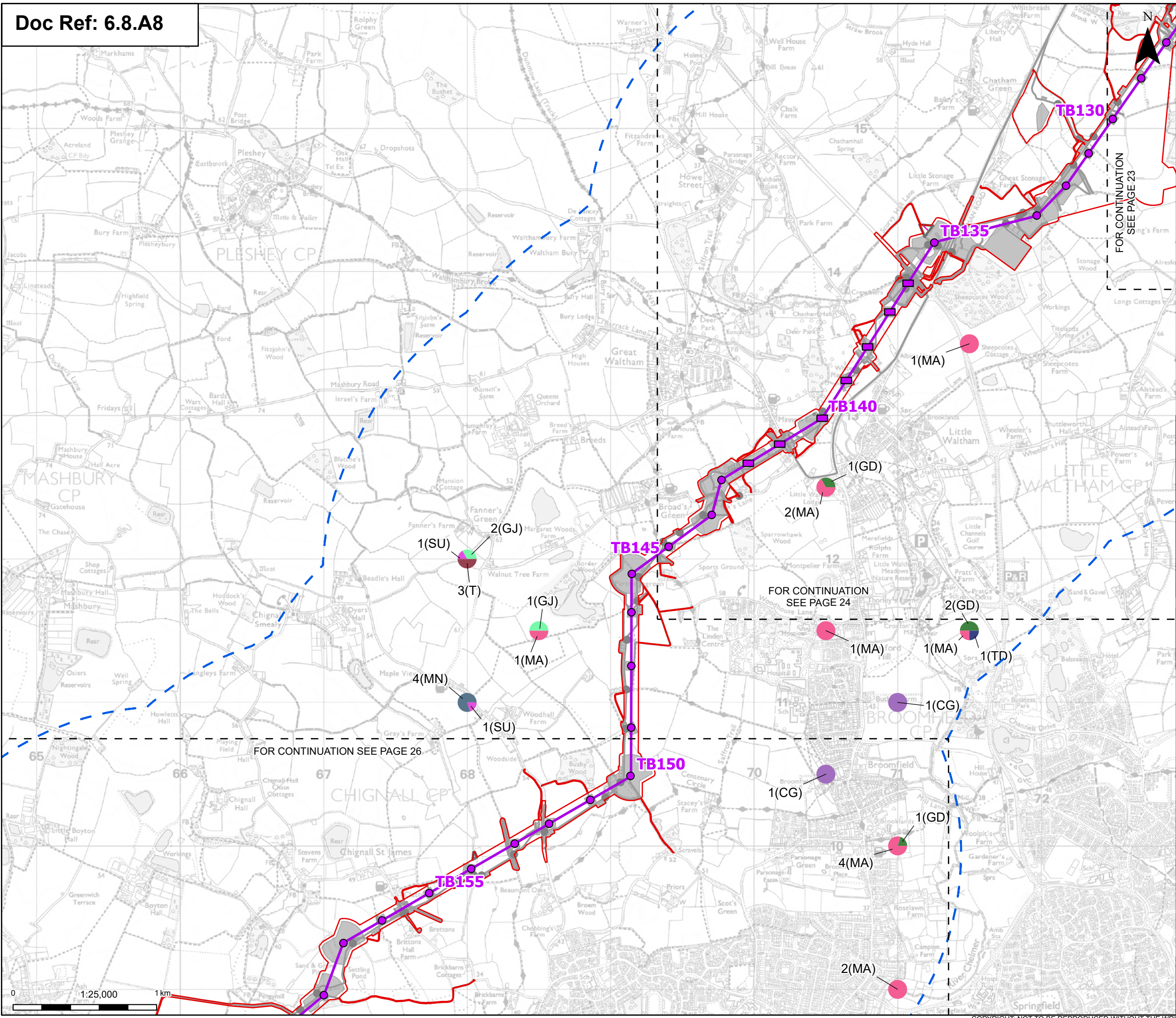
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Accepted as Concept Stage

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Order limits

Sheet index outline

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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

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Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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

Tilbury

London

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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 A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 25 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 Description:

Accepted as Concept Stage

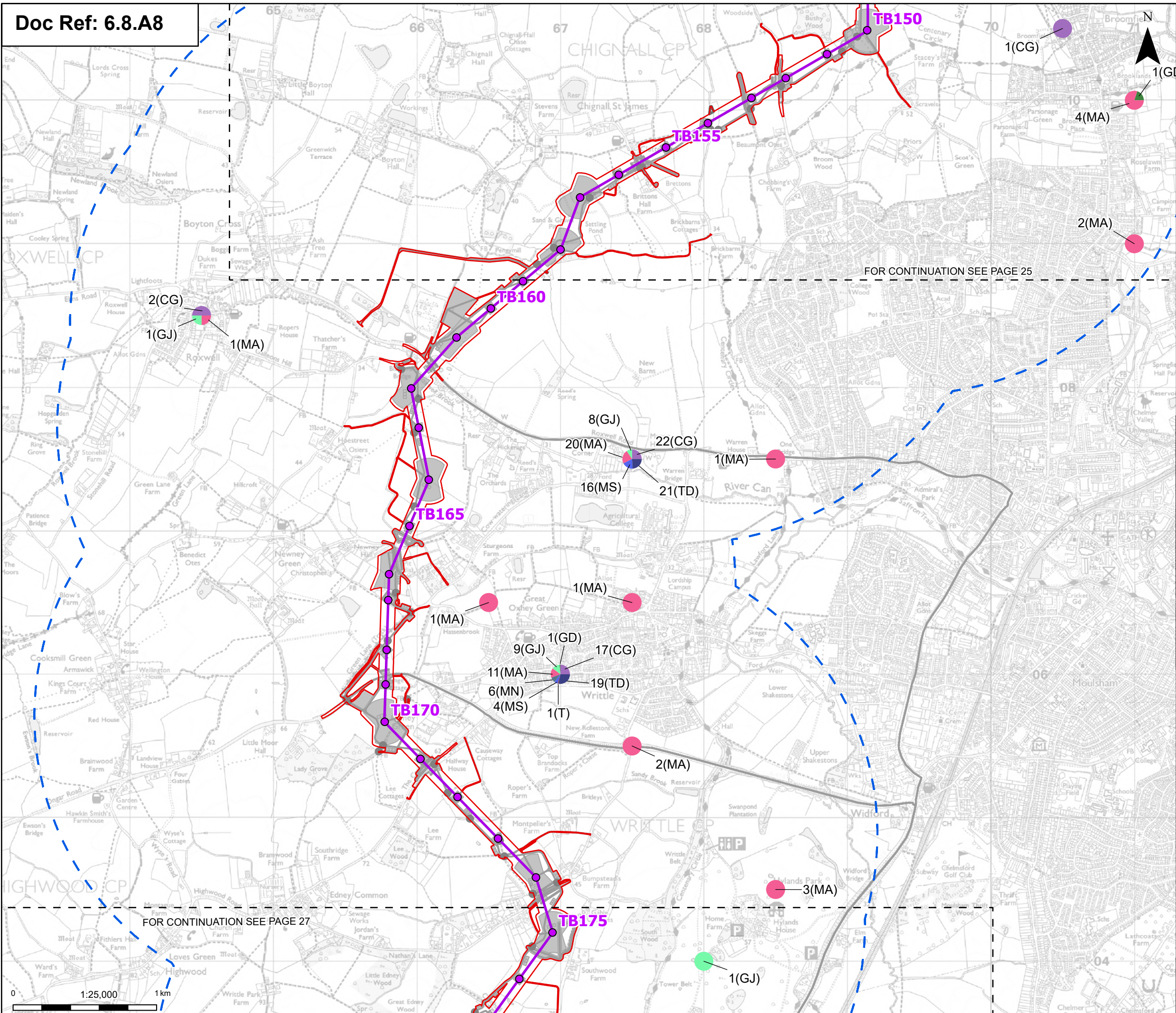
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Order limits

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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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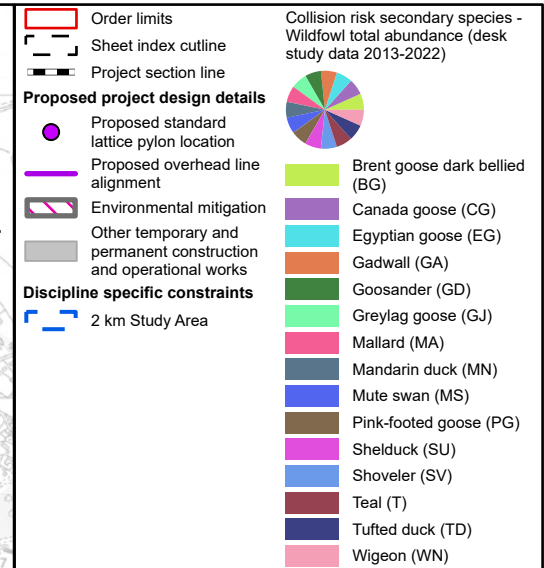
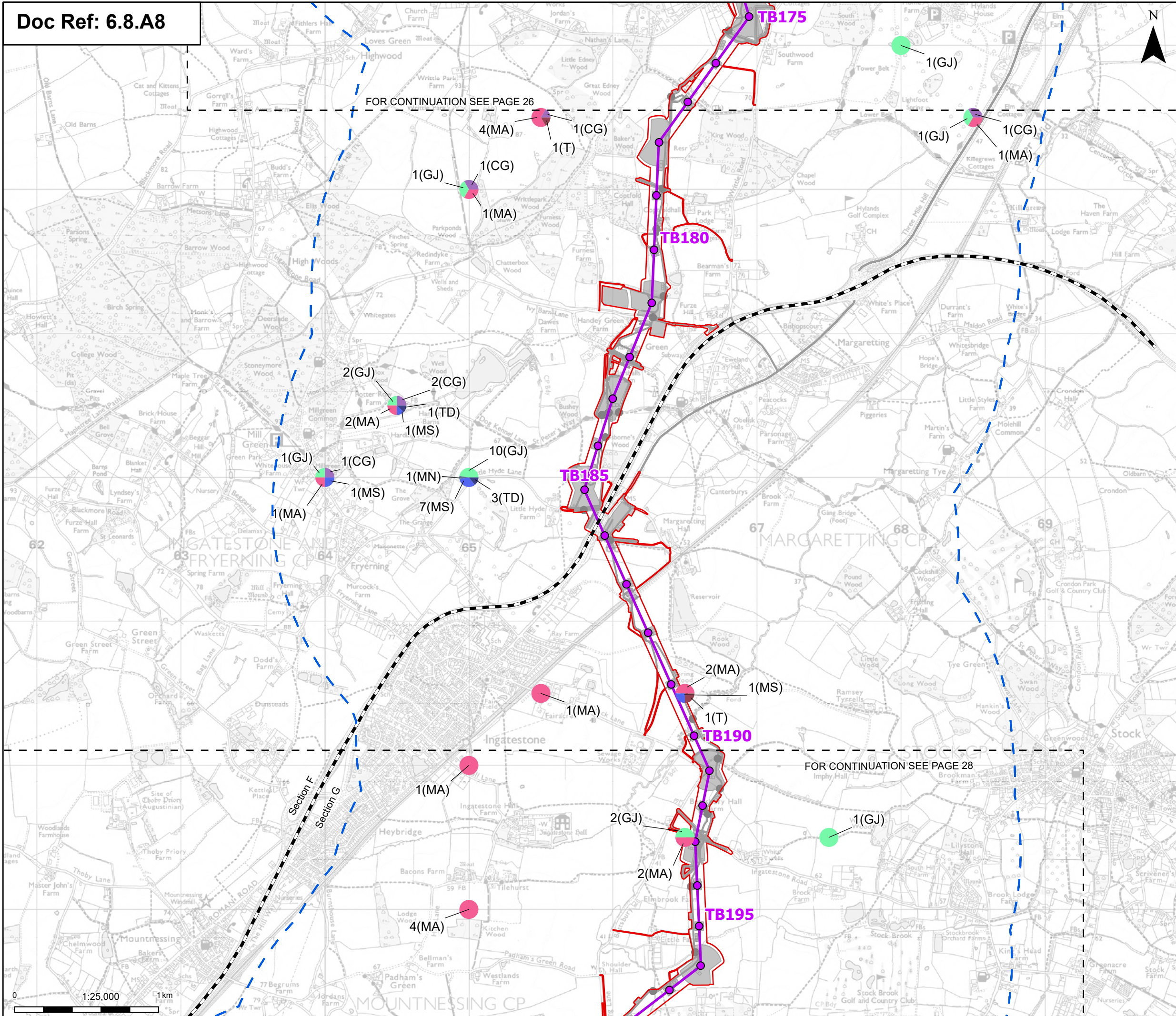
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00325	Revision: A
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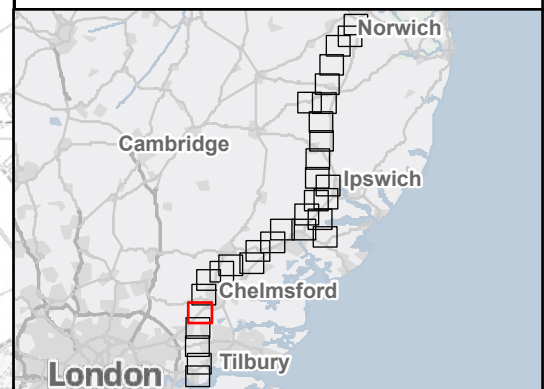
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PROJECT:
Norwich to
Tilbury

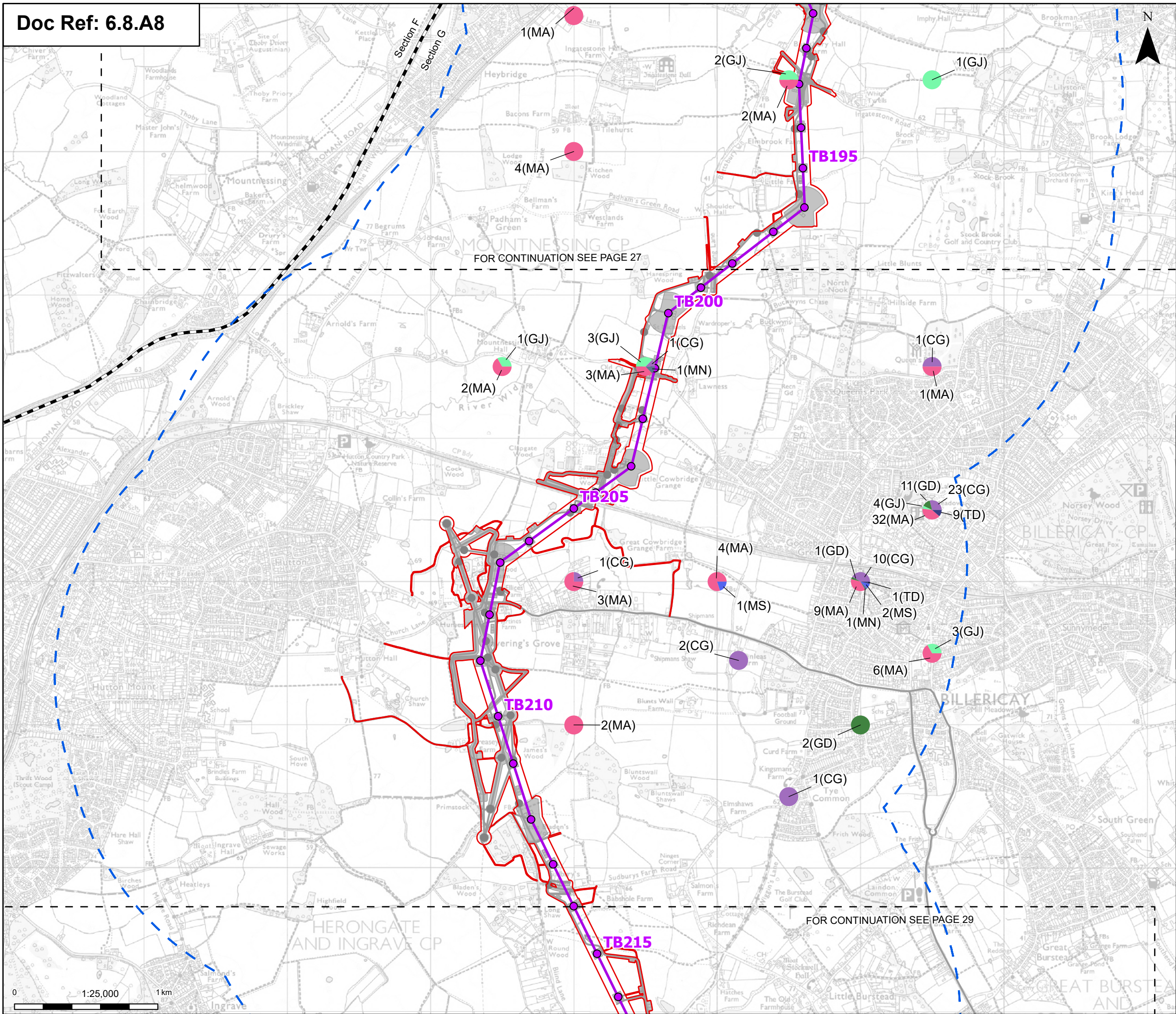
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Regulation 5(2)(a)

Title: Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 27 of 31

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

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00325	Revision: A
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Order limits

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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 secondary species - Wildfowl total abundance (desk study data 2013-2022)

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

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Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

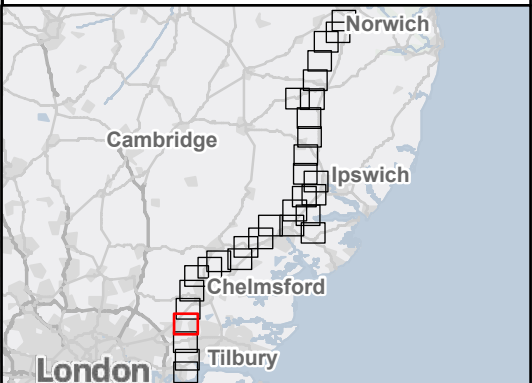
Teal (T)

Tufted duck (TD)

Wigeon (WN)

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 A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary 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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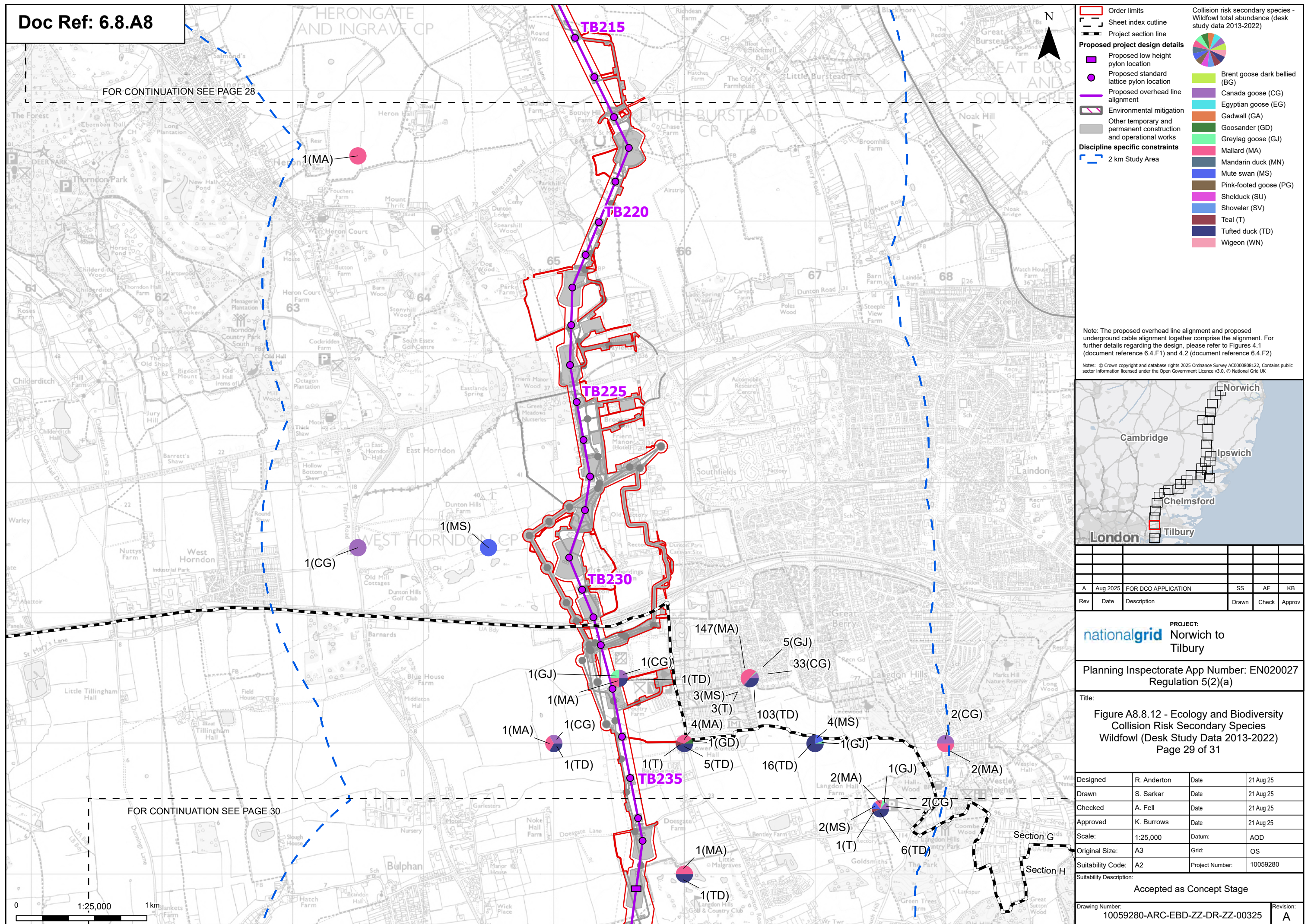
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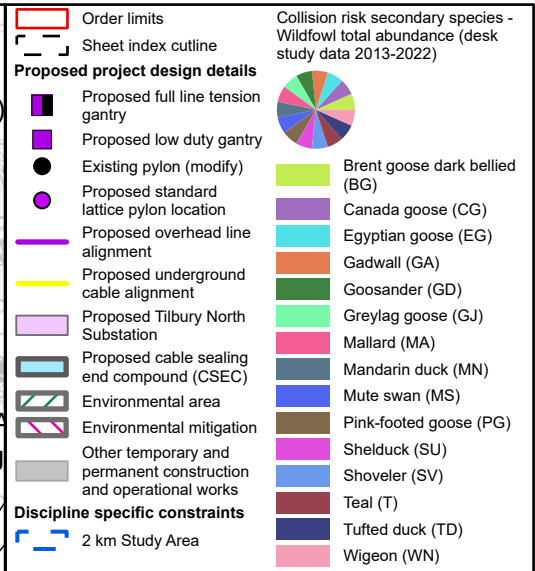
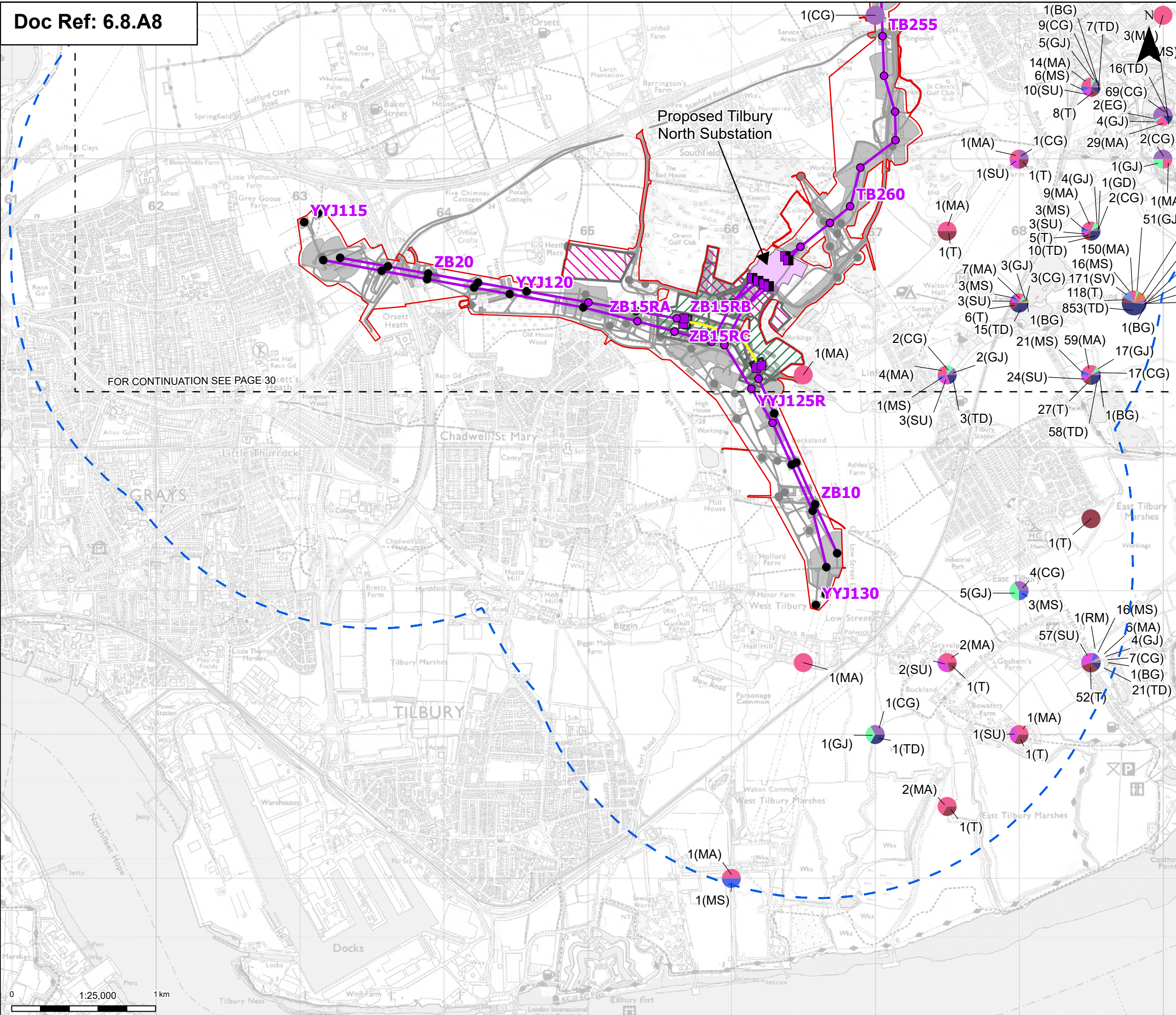
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Revision:
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FOR CONTINUATION SEE PAGE 28

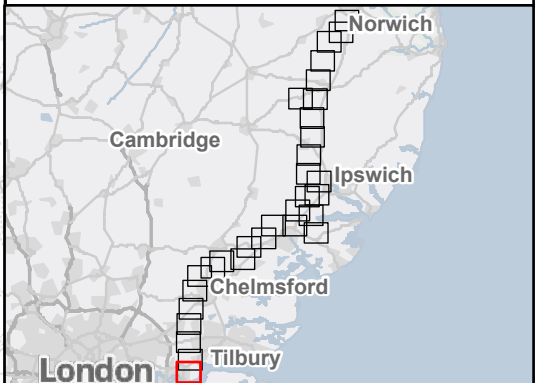
FOR CONTINUATION SEE PAGE 30





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

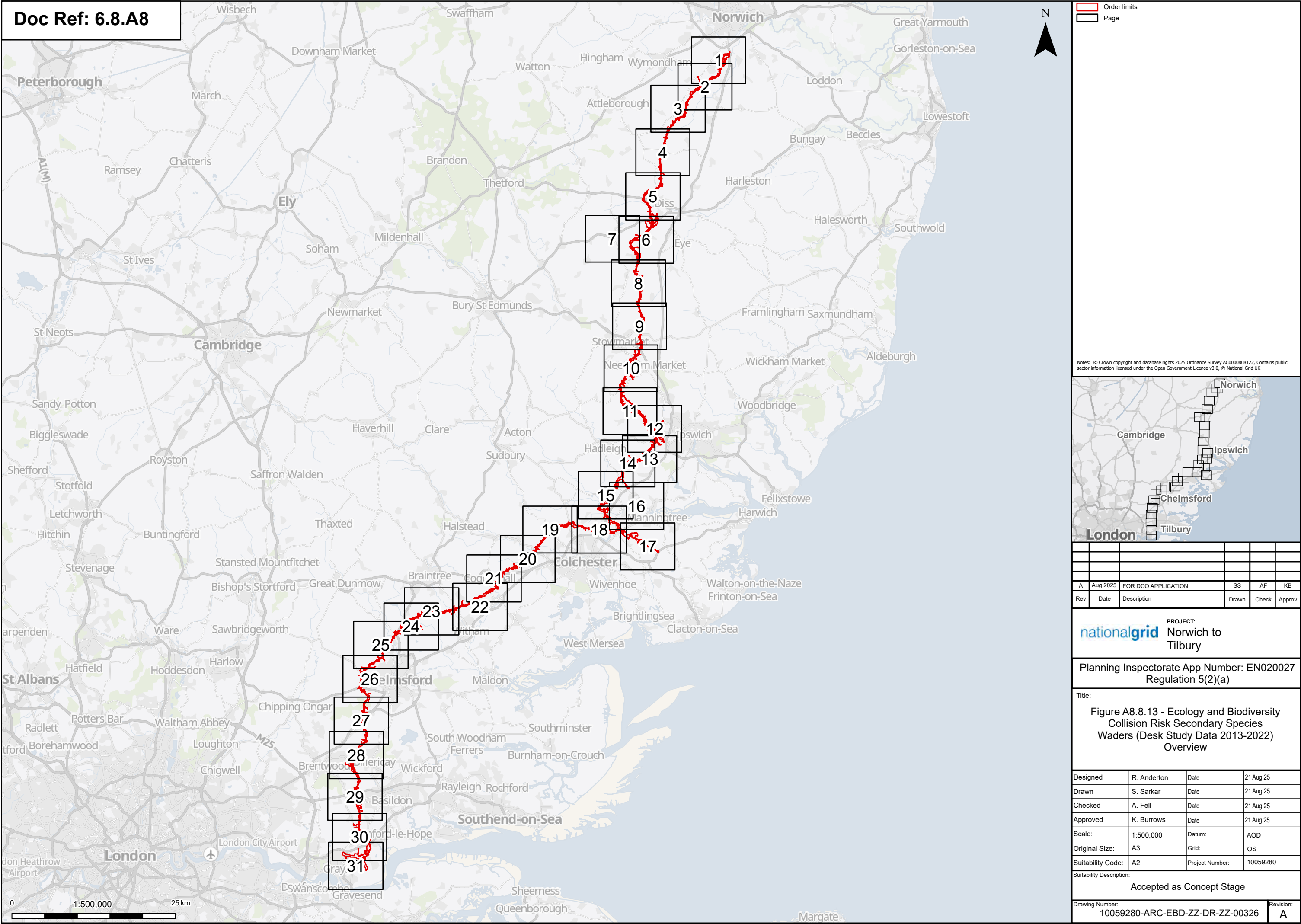
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Regulation 5(2)(a)

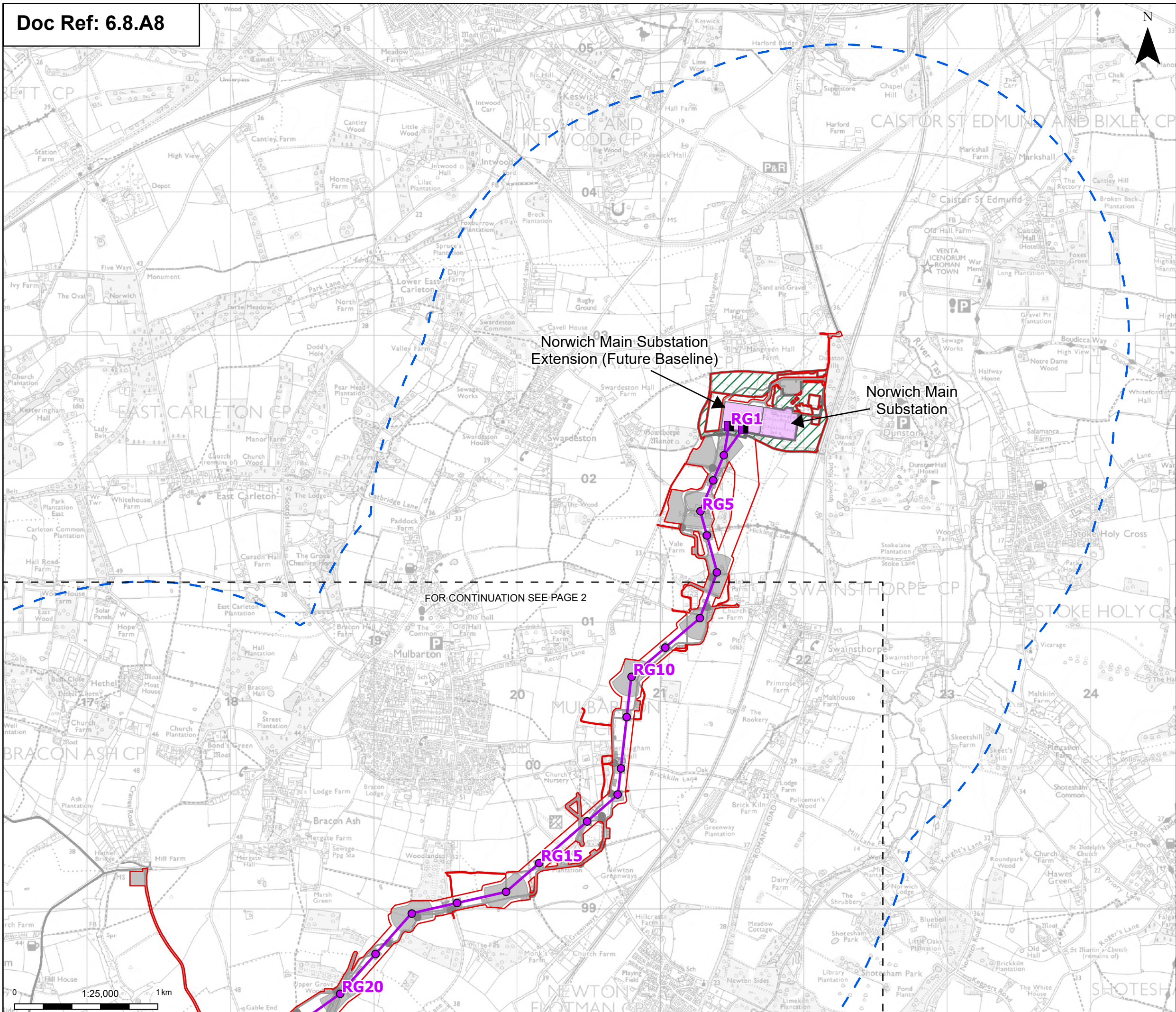
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Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	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:
Accepted as Concept Stage

Drawing Number:	Revision:
10059280-ARC-EBD-ZZ-DR-ZZ-00325	A





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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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

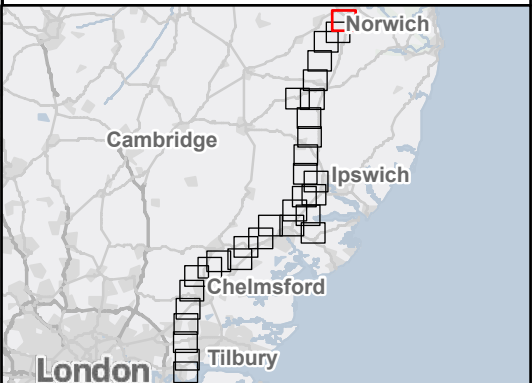
Snipe (SN)

Turnstone (TT)

Collision risk secondary species - Waders 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:
nationalgrid Norwich to Tilbury

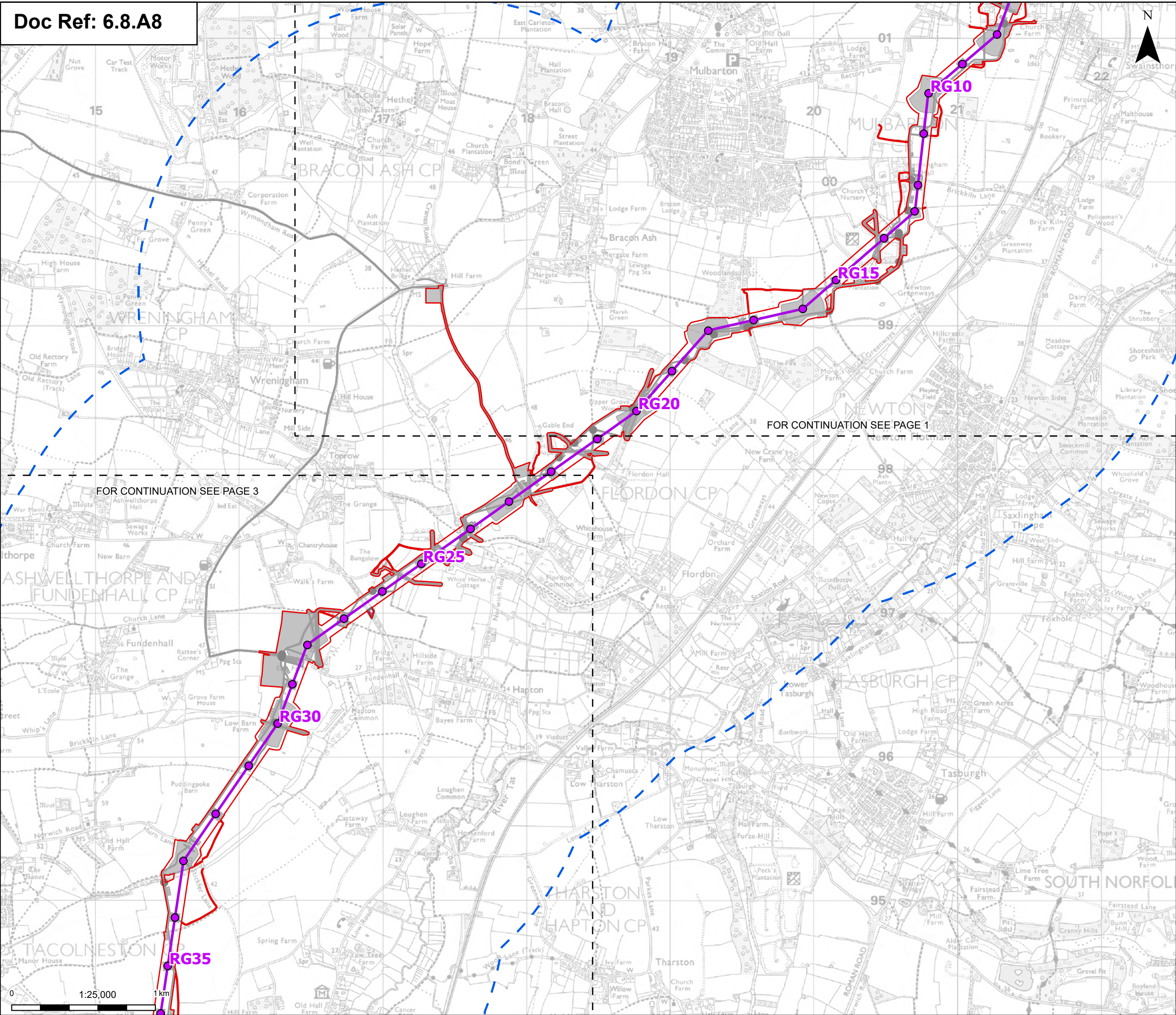
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
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
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00326	Revision: A
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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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

Collision risk secondary species - Waders 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)

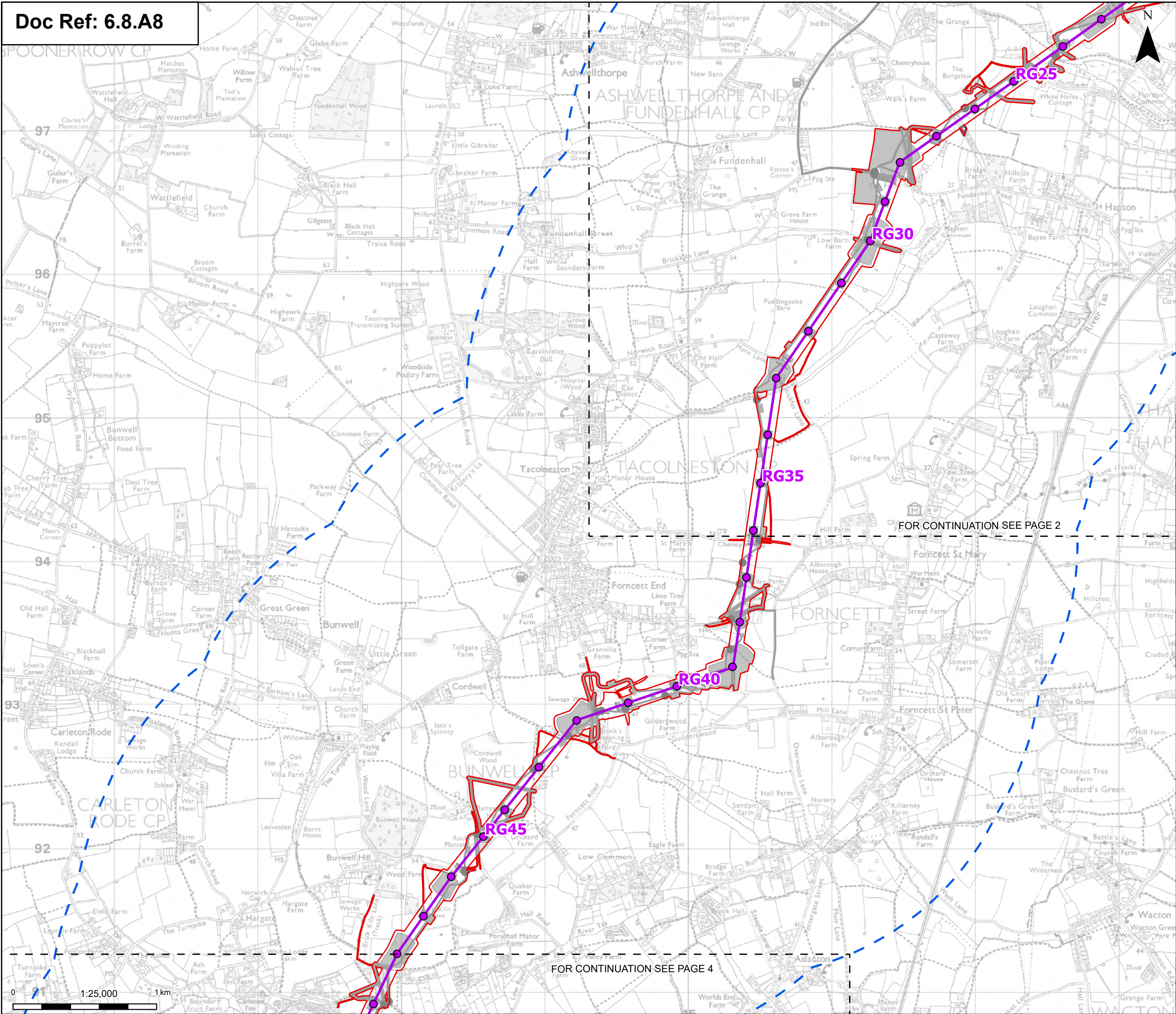
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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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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 secondary species - Waders total abundance (desk study data 2013-2022)

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

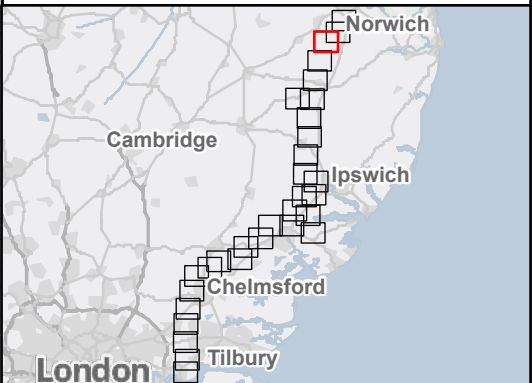
Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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 A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary 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:	Revision:
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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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

Collision risk secondary species - Waders 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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Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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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

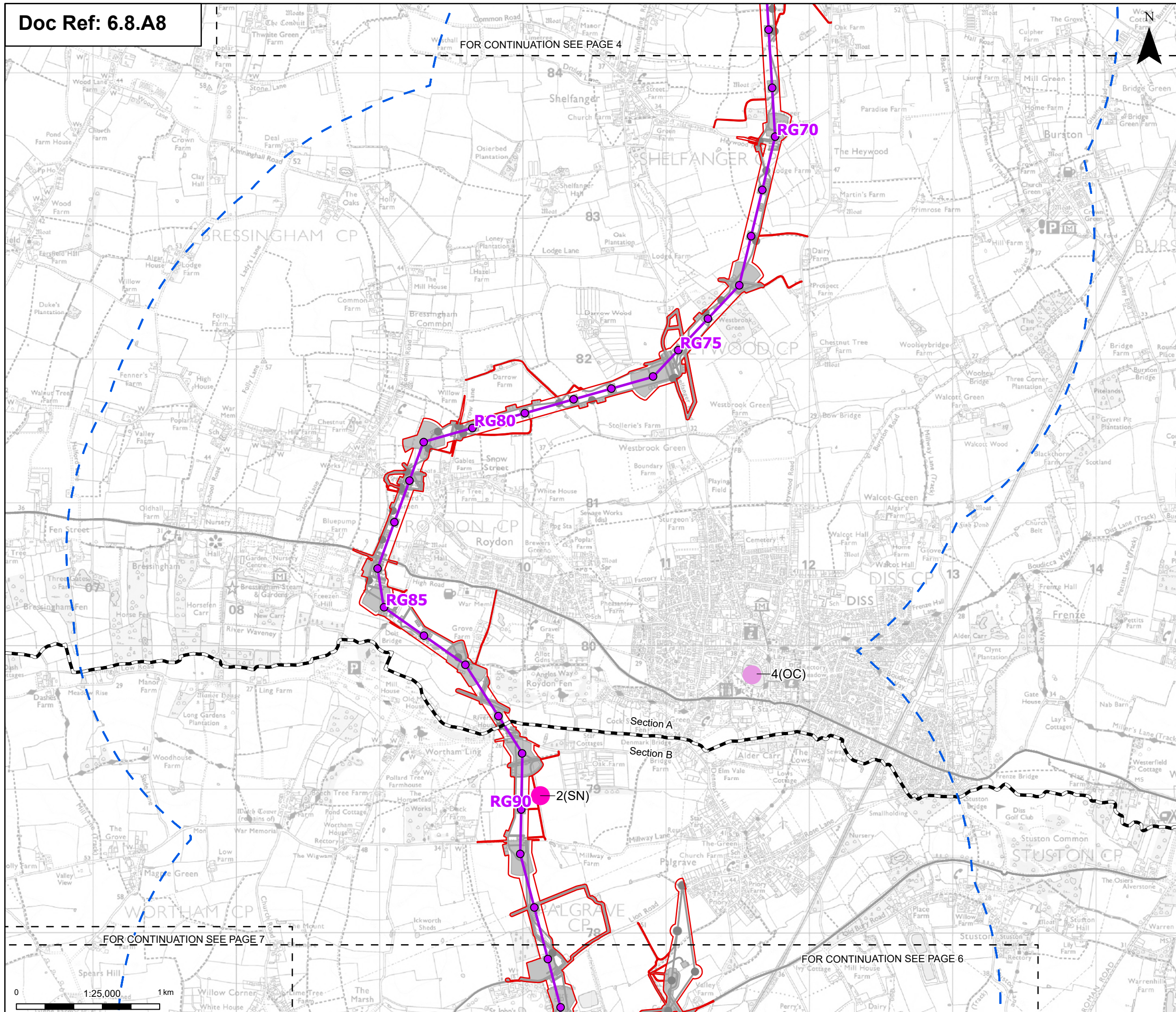
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Project section line

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

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Discipline specific constraints

2 km Study Area

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

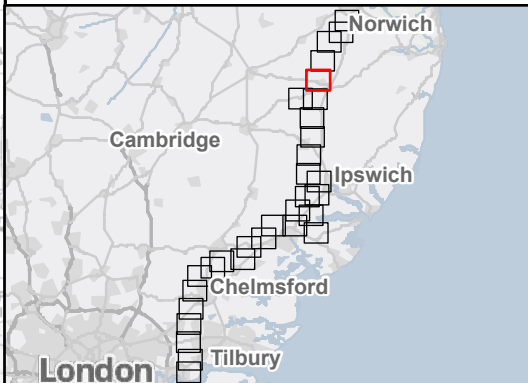
Snipe (SN)

Turnstone (TT)

Collision risk secondary species - Waders 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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Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

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Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

Collision risk secondary species - Waders 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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Regulation 5(2)(a)

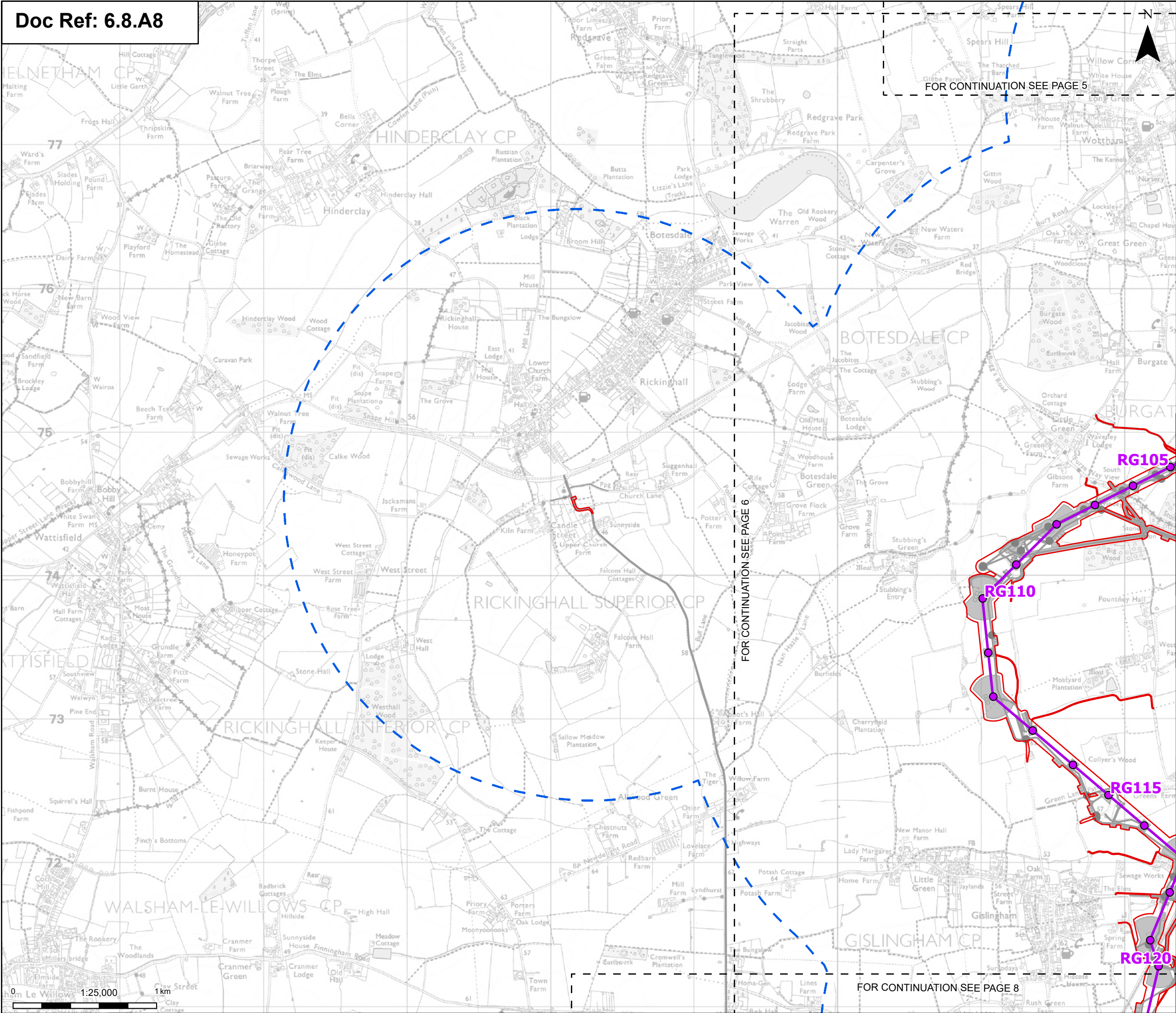
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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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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 secondary species - Waders total abundance (desk study data 2013-2022)

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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 A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
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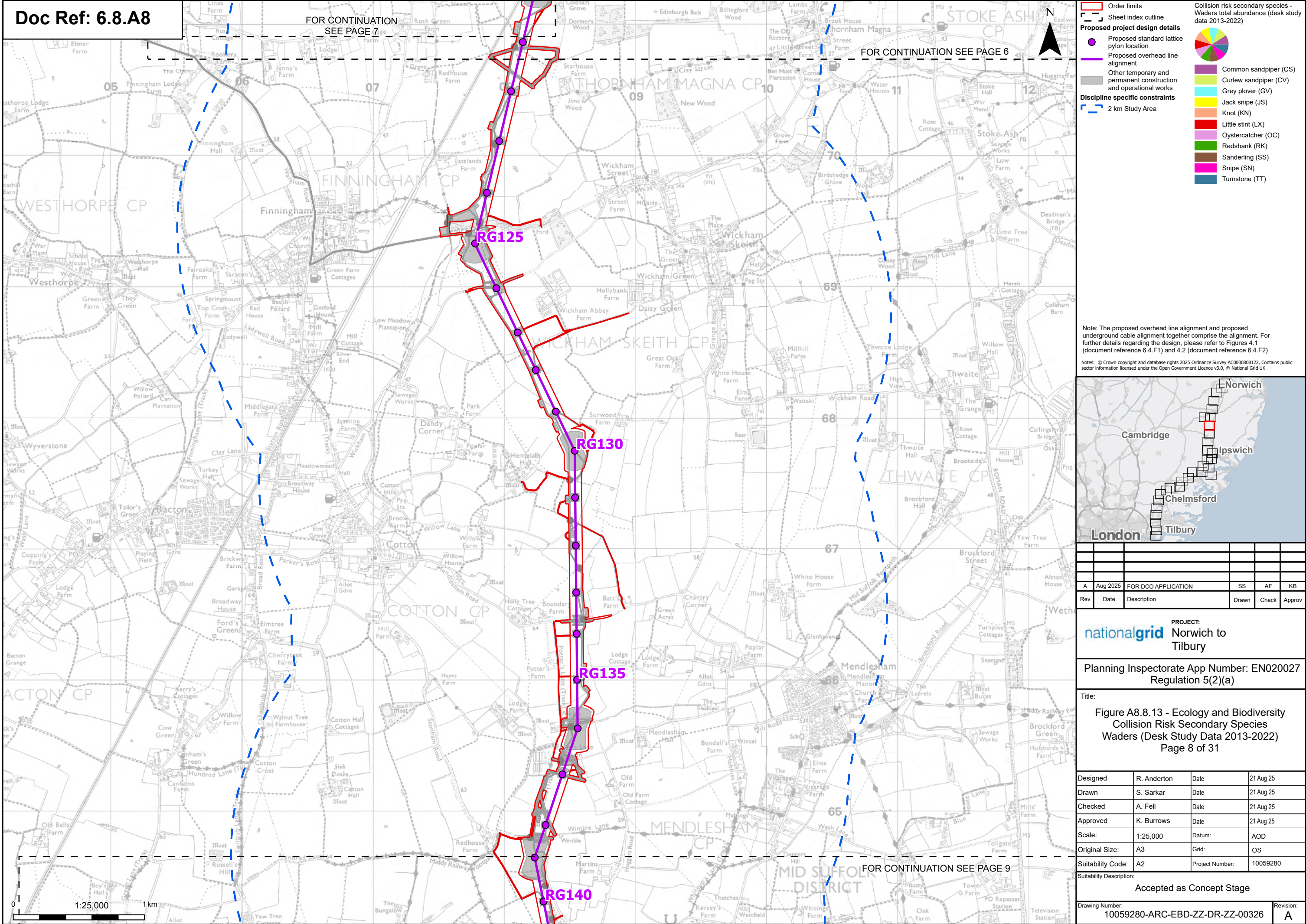
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

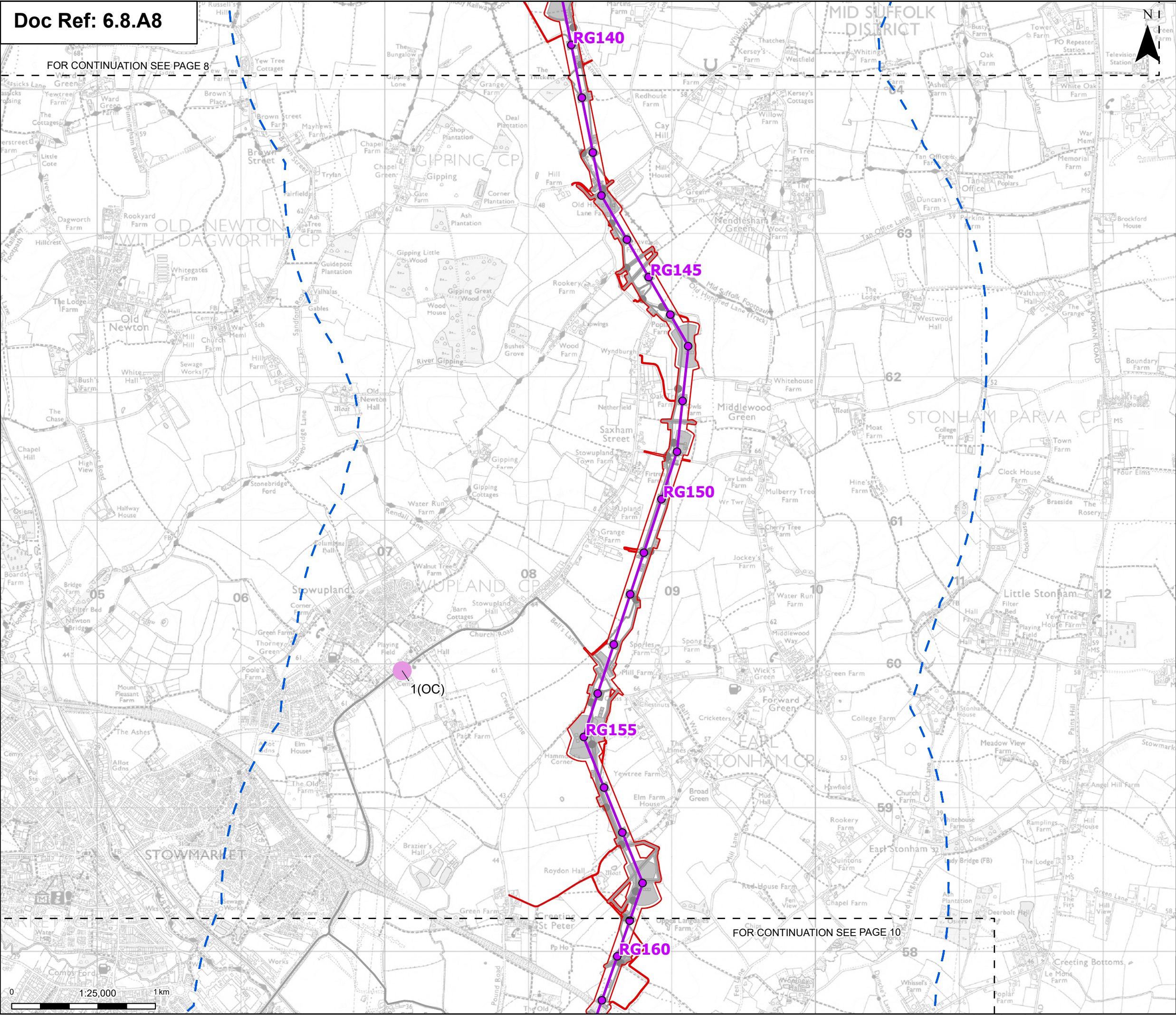
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

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Discipline specific constraints

2 km Study Area

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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

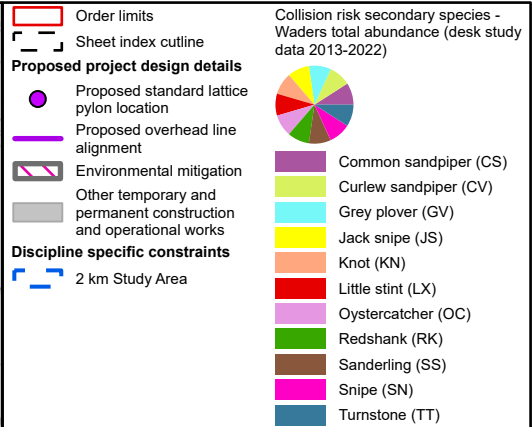
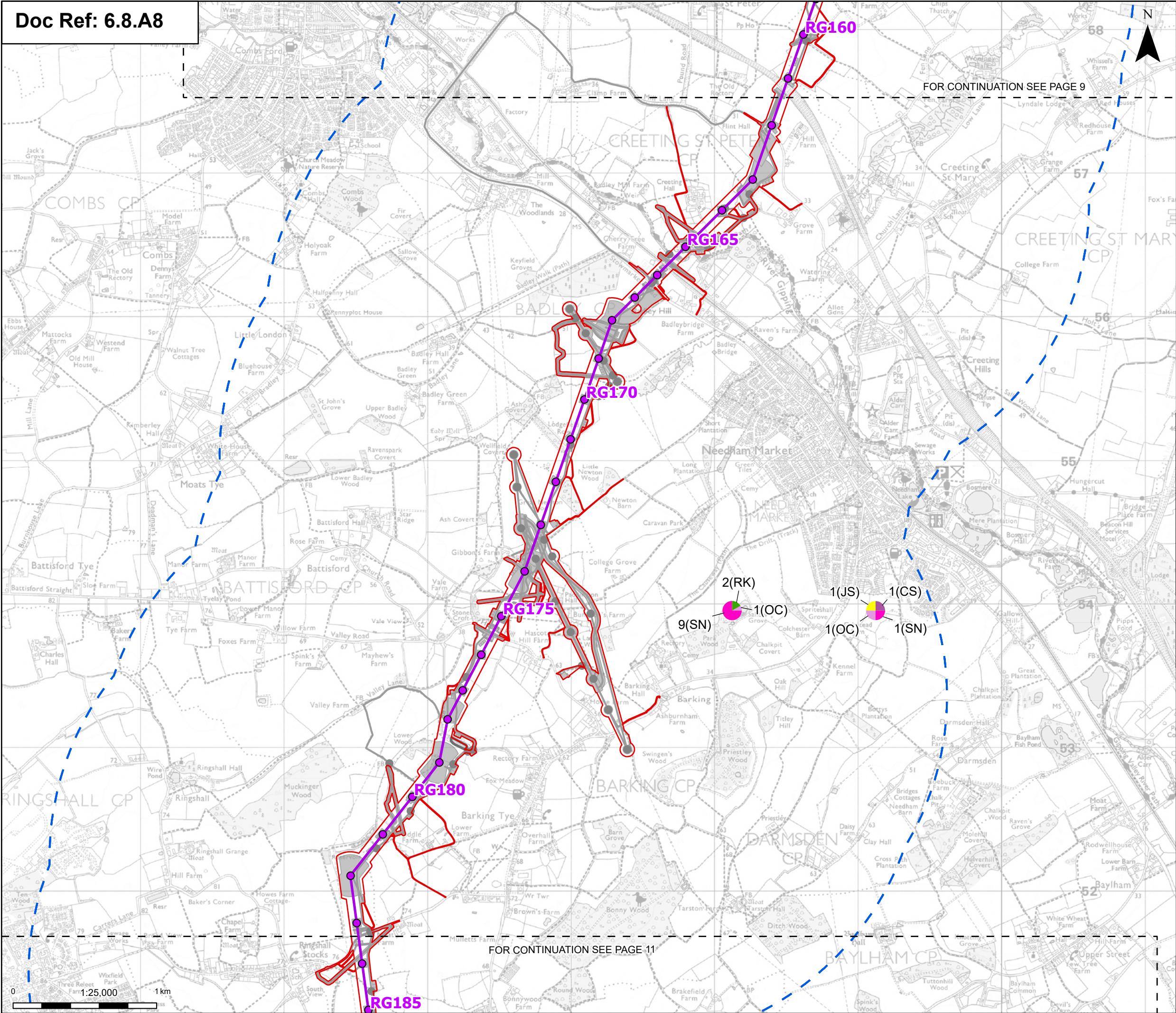
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Title: Figure A8.8.13 - Ecology and Biodiversity Collision Risk Secondary Species Waders (Desk Study Data 2013-2022) Page 9 of 31

Designed	R. Anderton	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
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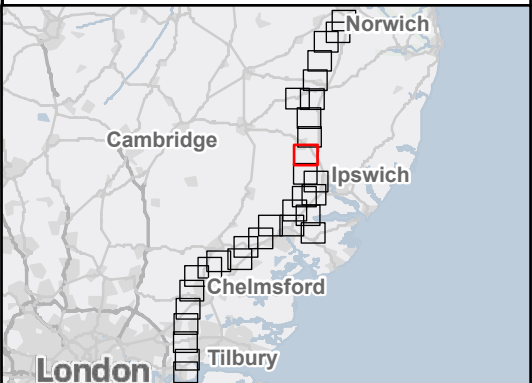
Suitability Description: Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00326	Revision:	A
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PROJECT:
nationalgrid Norwich to Tilbury

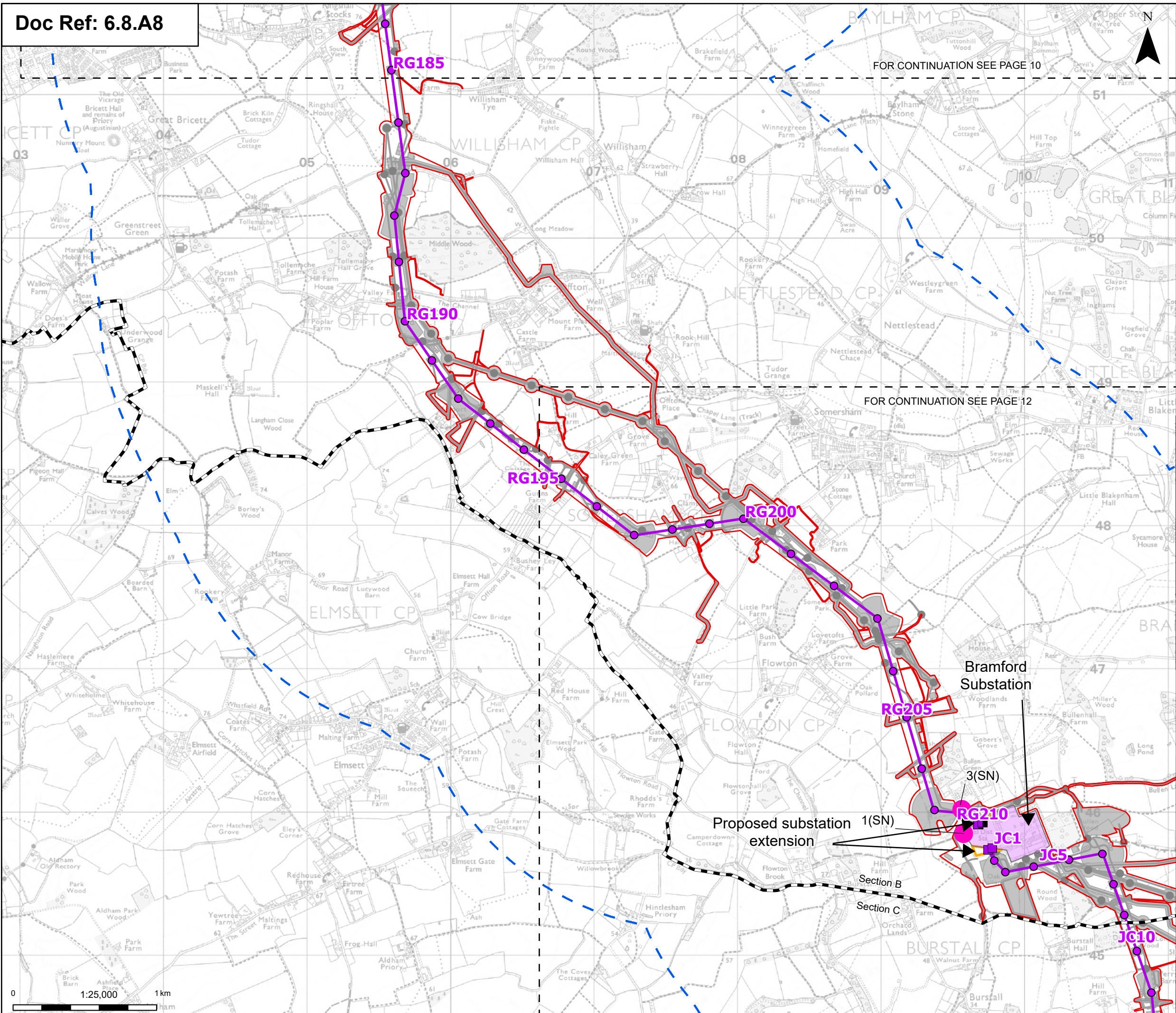
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Regulation 5(2)(a)

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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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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:			

Accepted as Concept Stage

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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 secondary species - Waders total abundance (desk study data 2013-2022)

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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)

Title:

Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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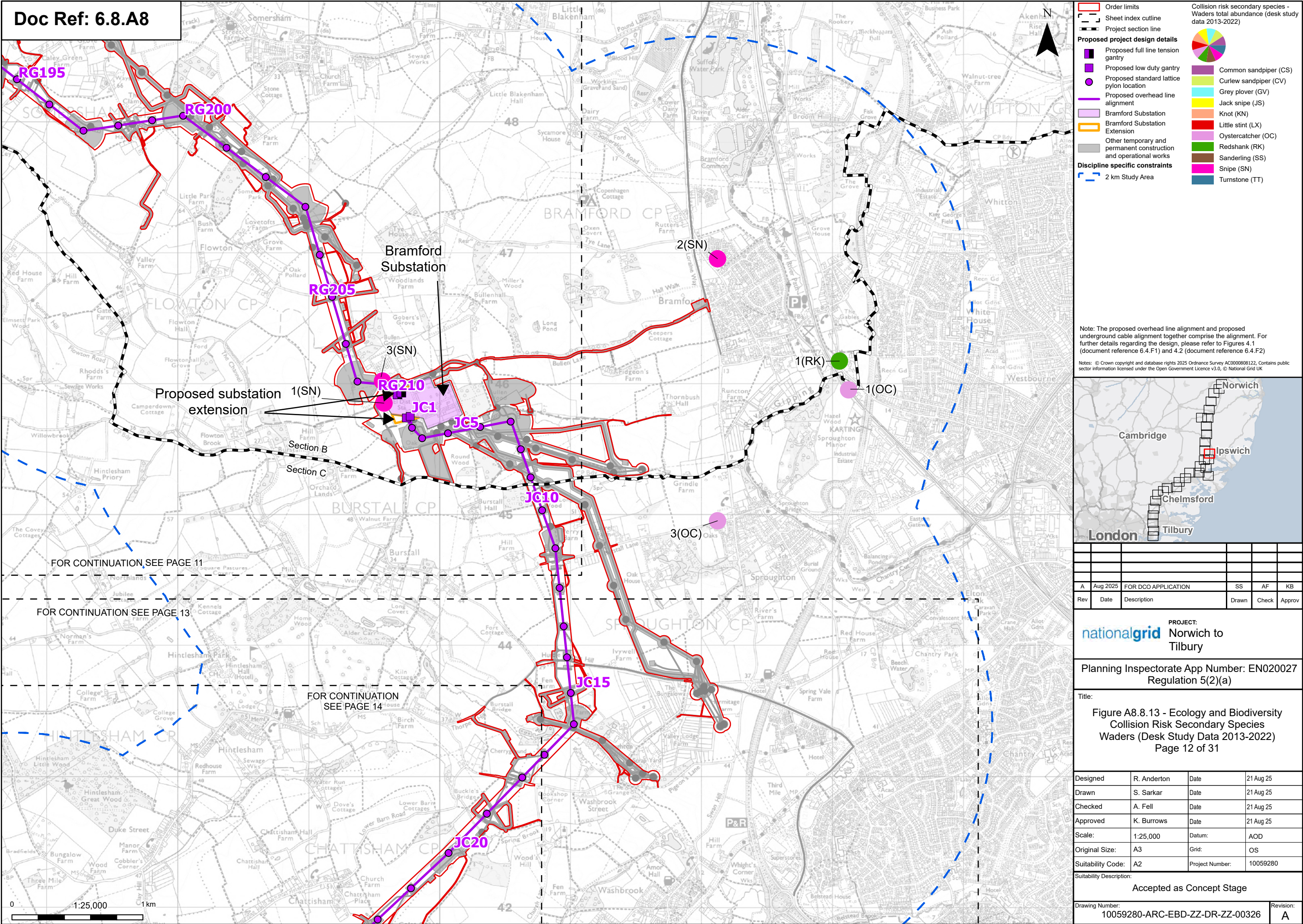
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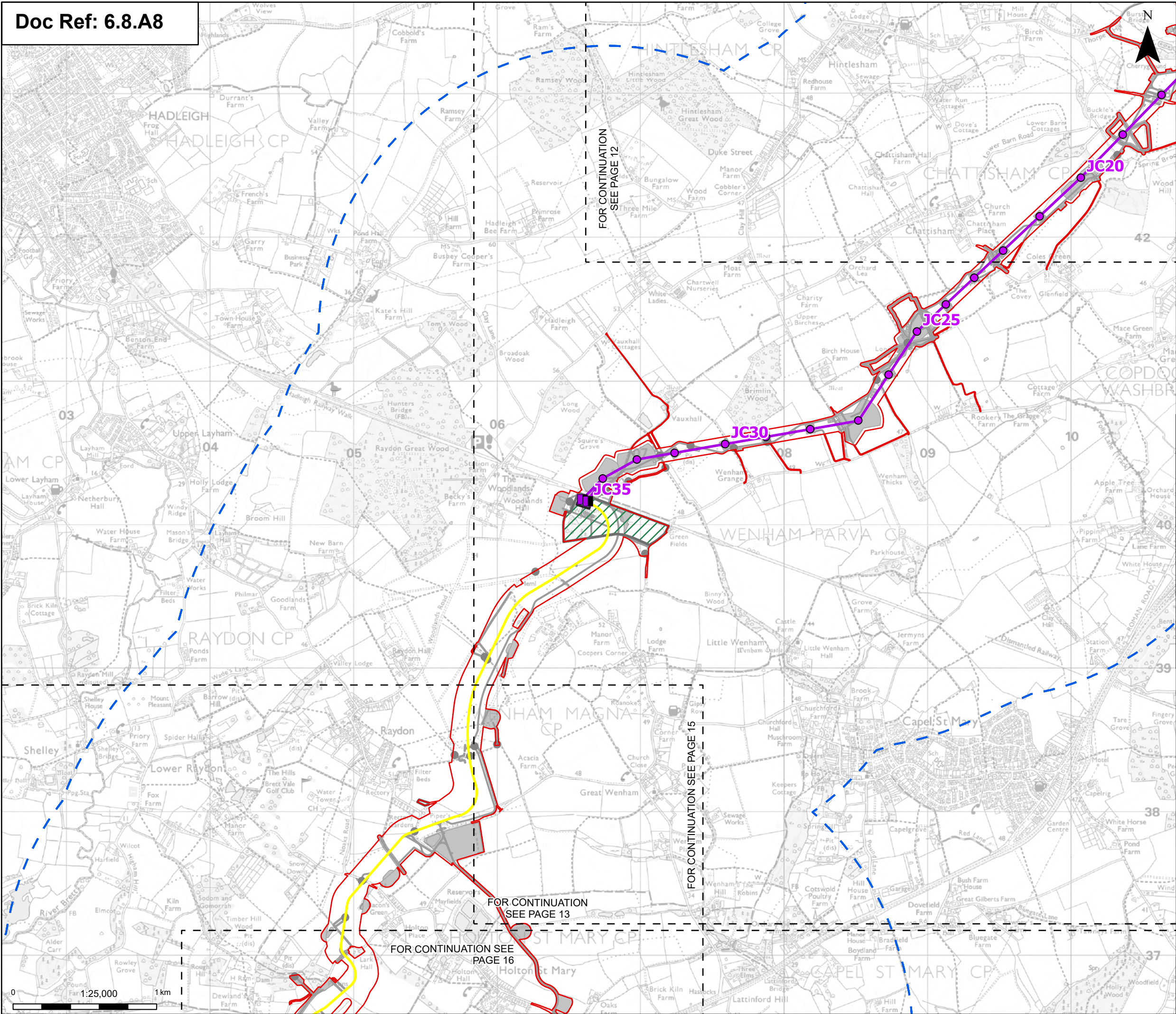
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Revision:

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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 secondary species - Waders total abundance (desk study data 2013-2022)

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

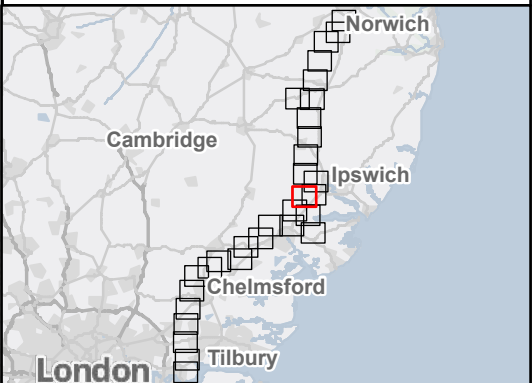
Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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)

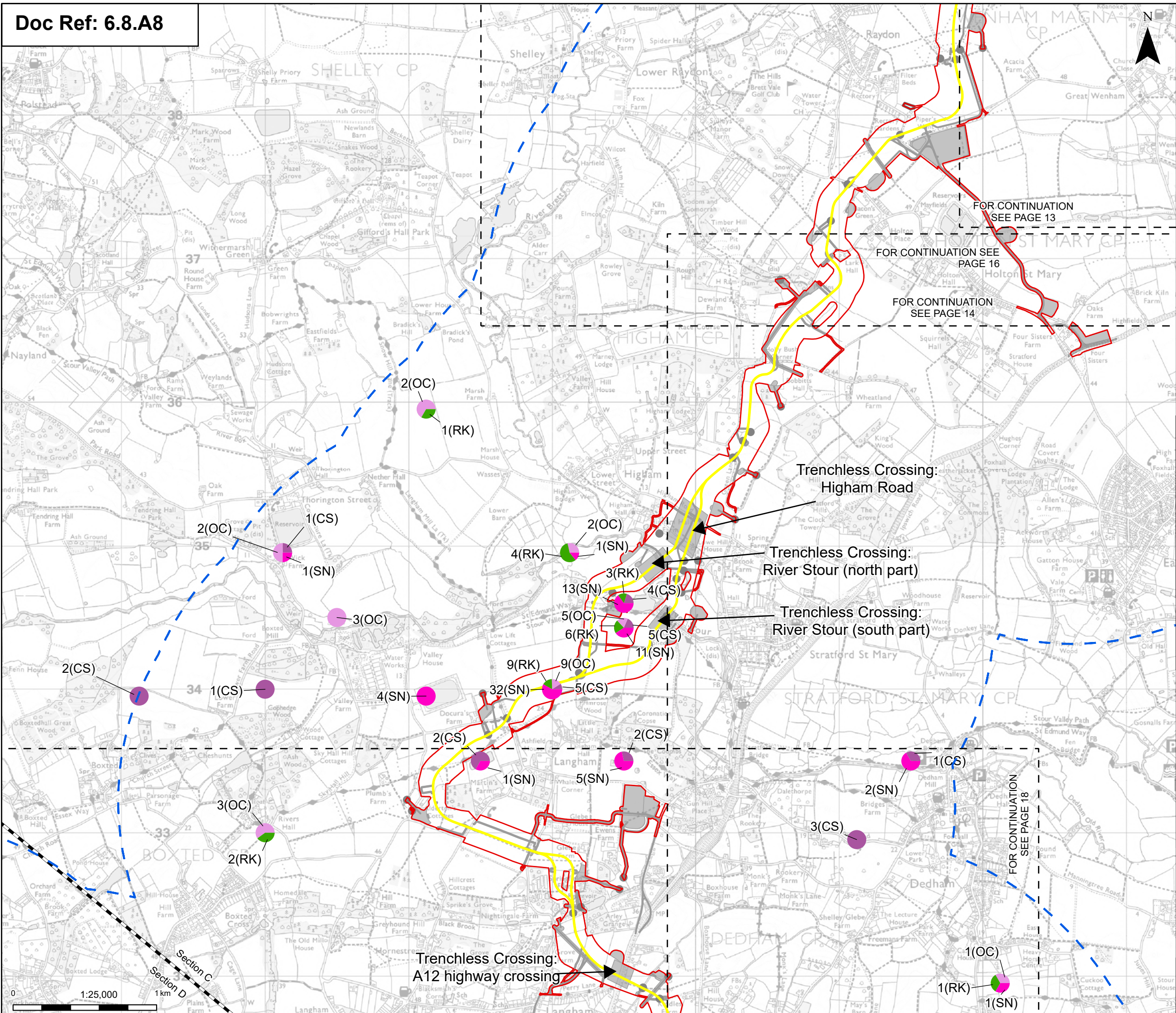
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Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability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

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00326

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A



Order limits

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Project section line

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 secondary species - Waders total abundance (desk study data 2013-2022)

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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

PROJECT:
nationalgrid Norwich to Tilbury

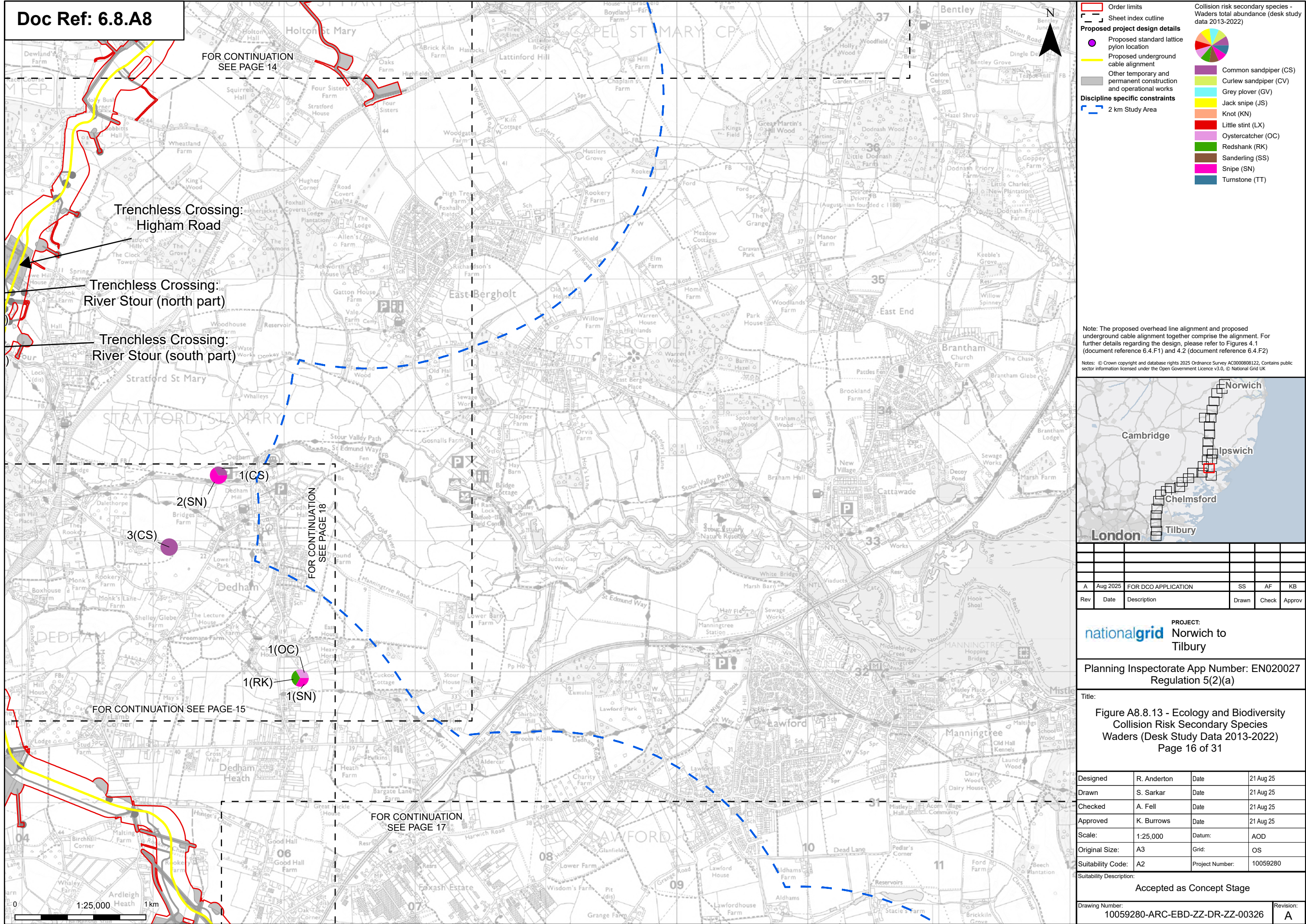
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

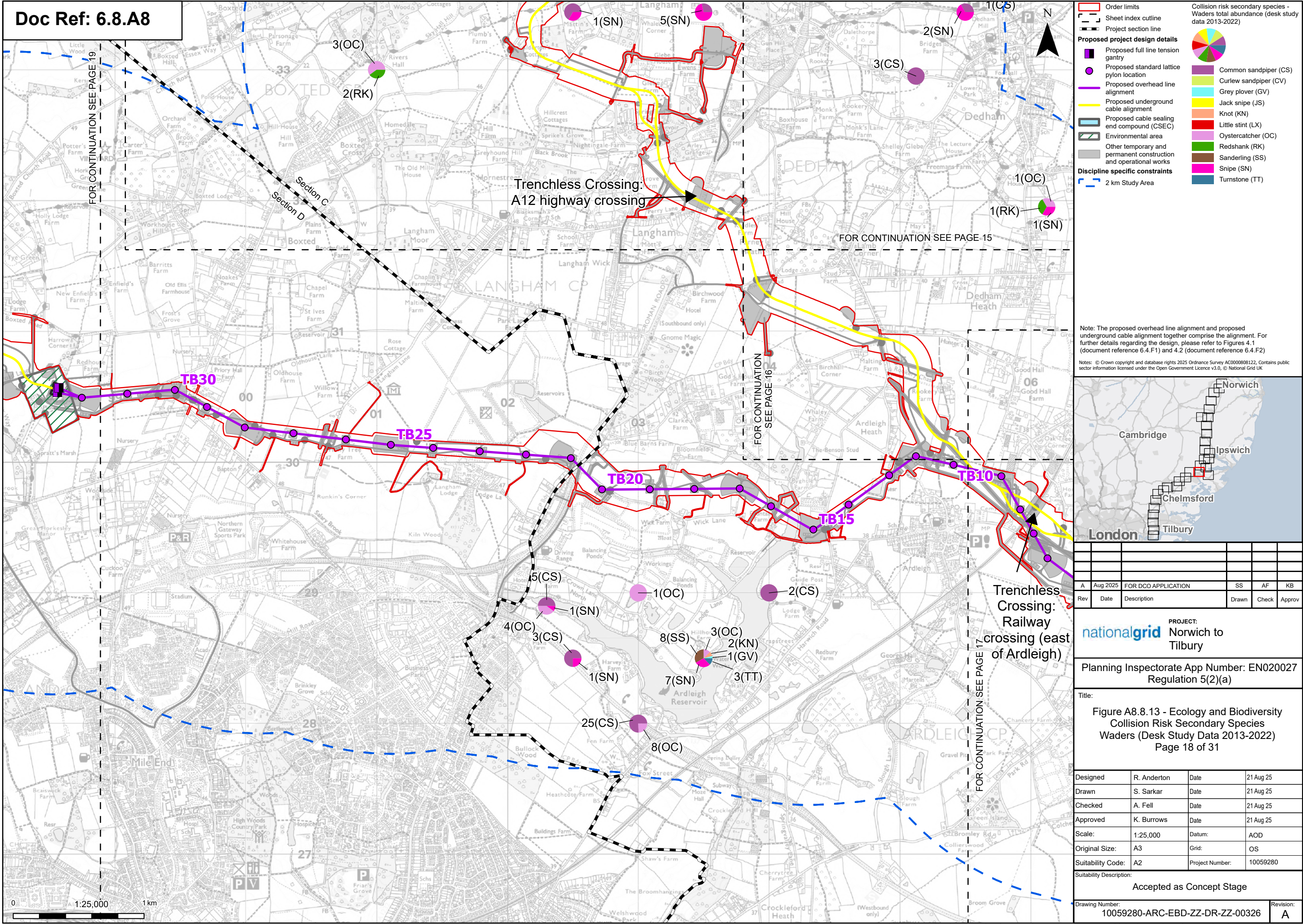
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 15 of 31

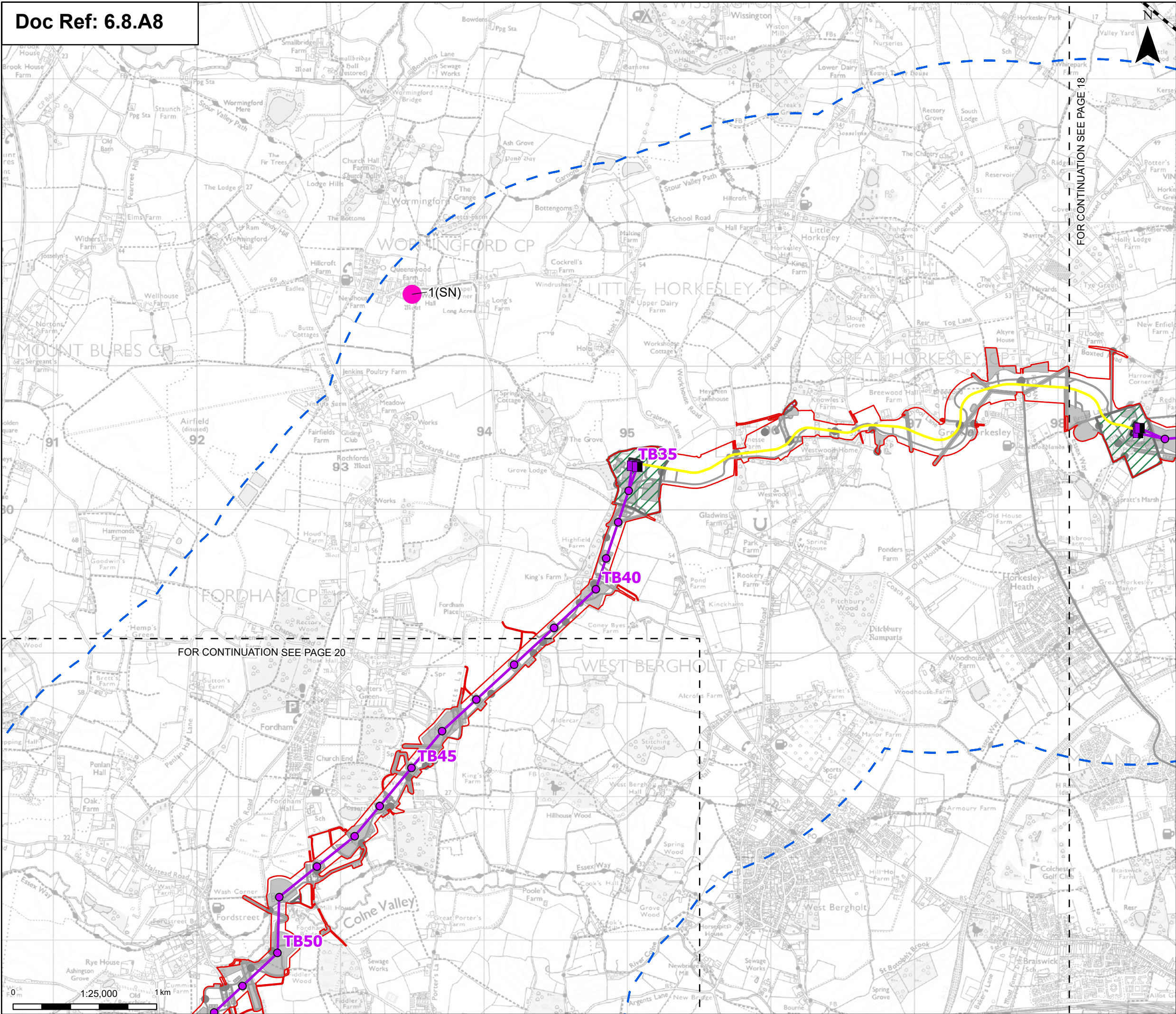
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00326	Revision:	A
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Order limits

Sheet index cutline

Project section line

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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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

Species	Abundance
Common sandpiper (CS)	10
Curlew sandpiper (CV)	10
Grey plover (GV)	10
Jack snipe (JS)	10
Knot (KN)	10
Little stint (LX)	10
Oystercatcher (OC)	10
Redshank (RK)	10
Sanderling (SS)	10
Snipe (SN)	10
Turnstone (TT)	10

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 A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 19 of 31**

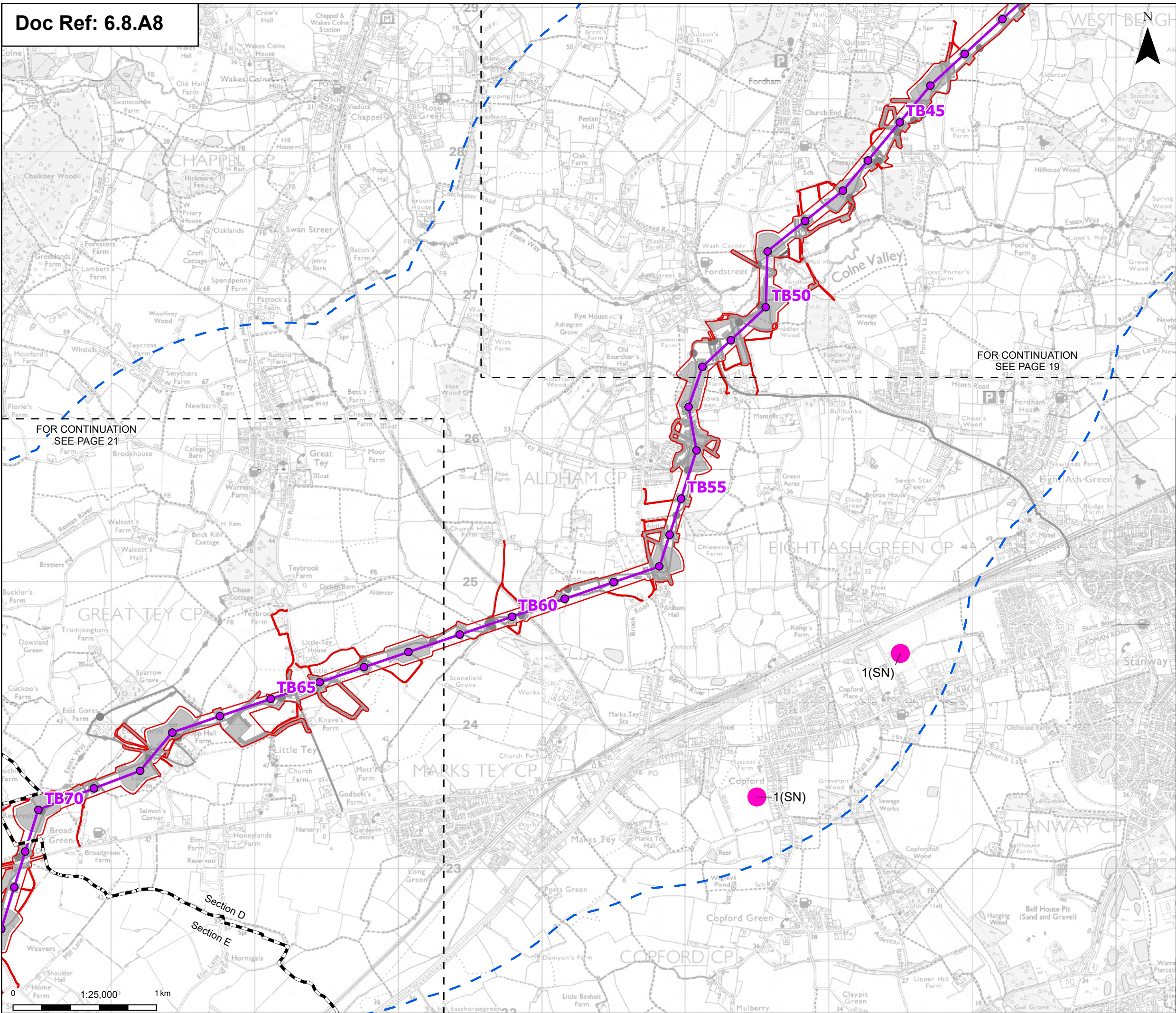
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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10059280-ARC-EBD-ZZ-DR-ZZ-00326

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Order limits

- 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

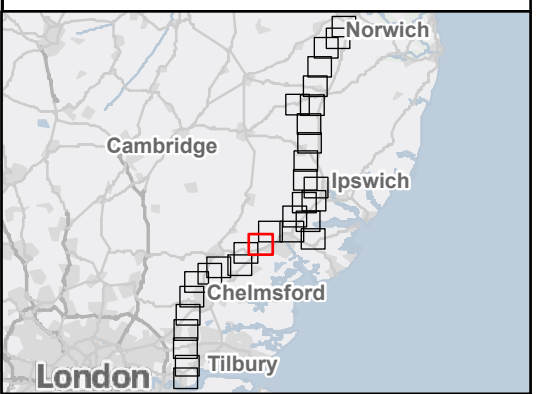
- 2 km Study Area

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

- Common sandpiper (CS)
- Curlew sandpiper (CV)
- Grey plover (GV)
- Jack snipe (JS)
- Knot (KN)
- Little stint (LX)
- Oystercatcher (OC)
- Redshank (RK)
- Sanderling (SS)
- Snipe (SN)
- Turnstone (TT)

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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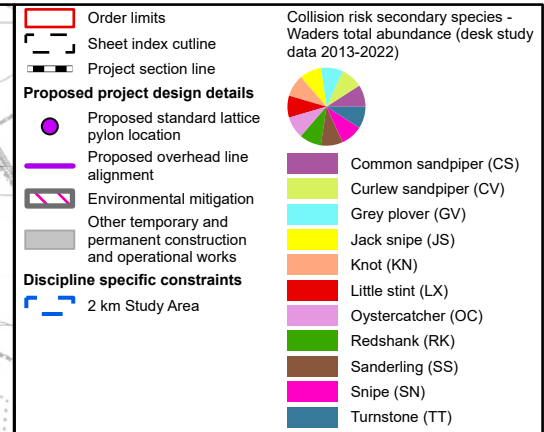
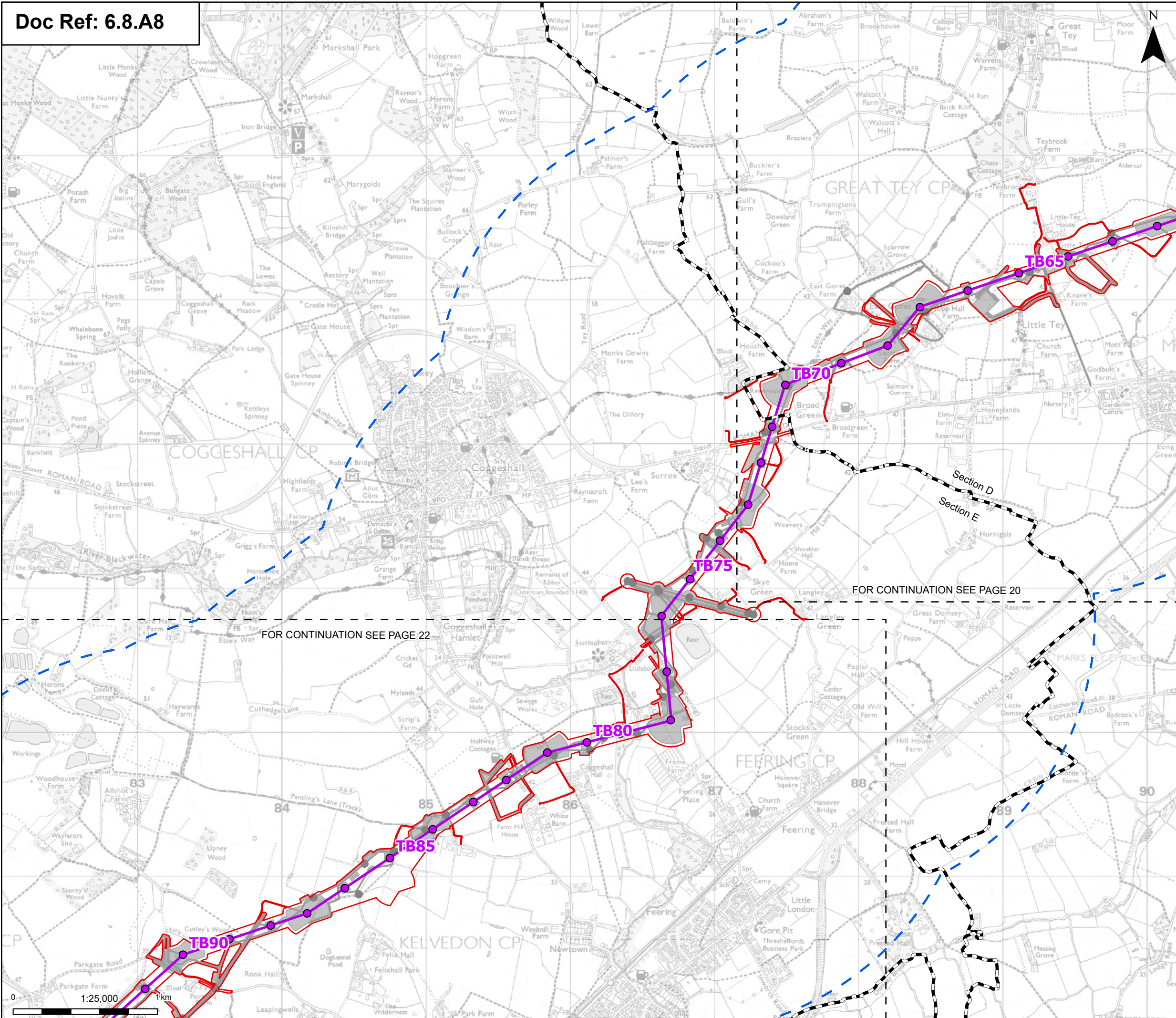
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Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

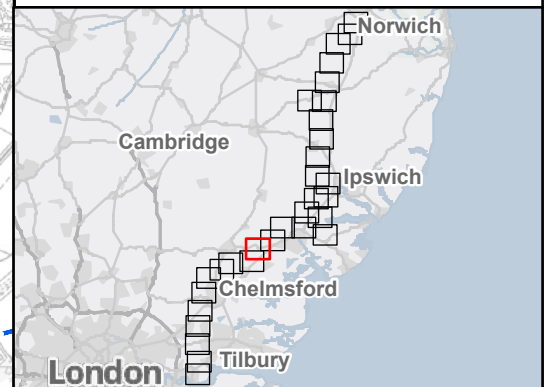
Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00326	Revision:	A
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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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PROJECT:
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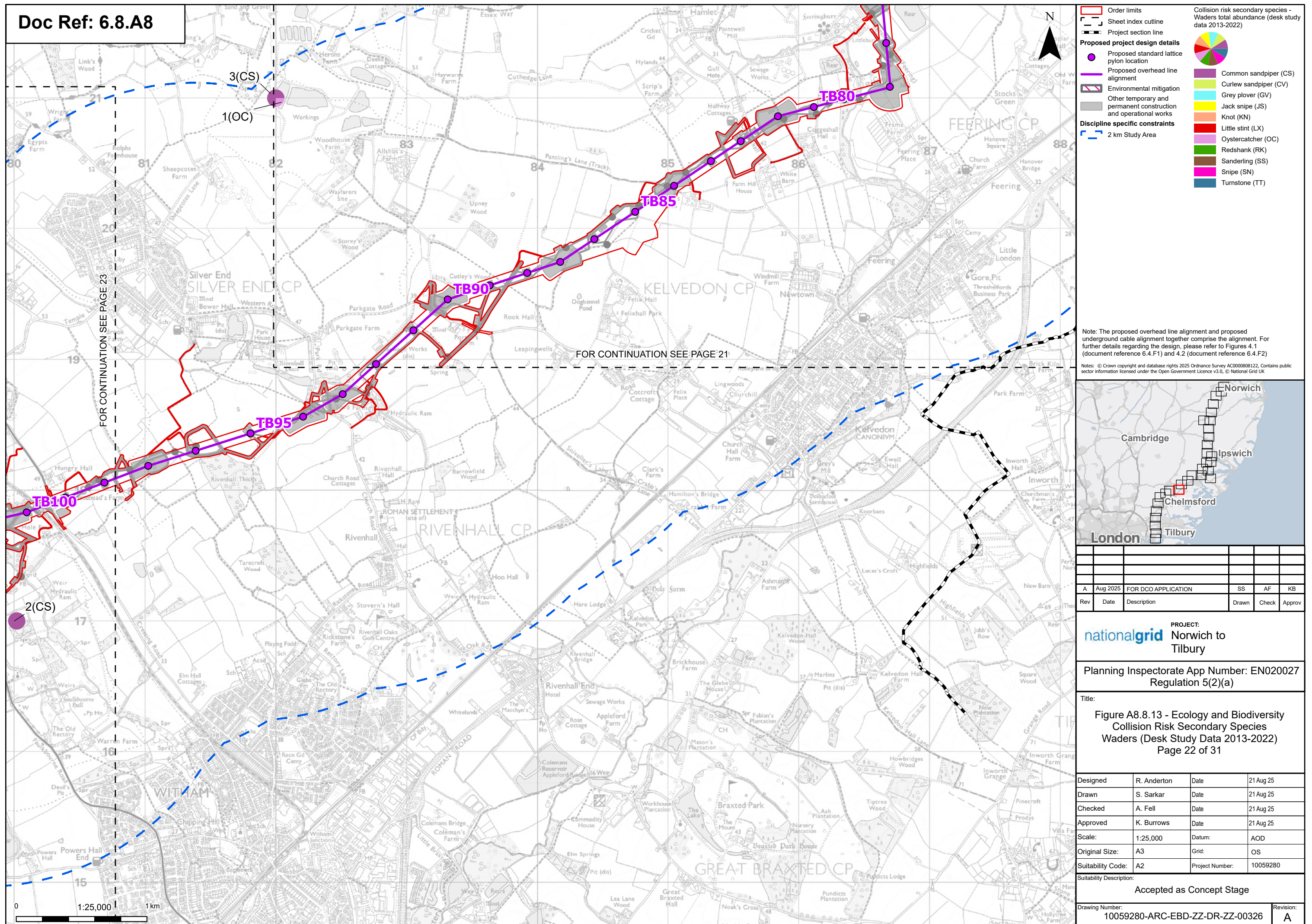
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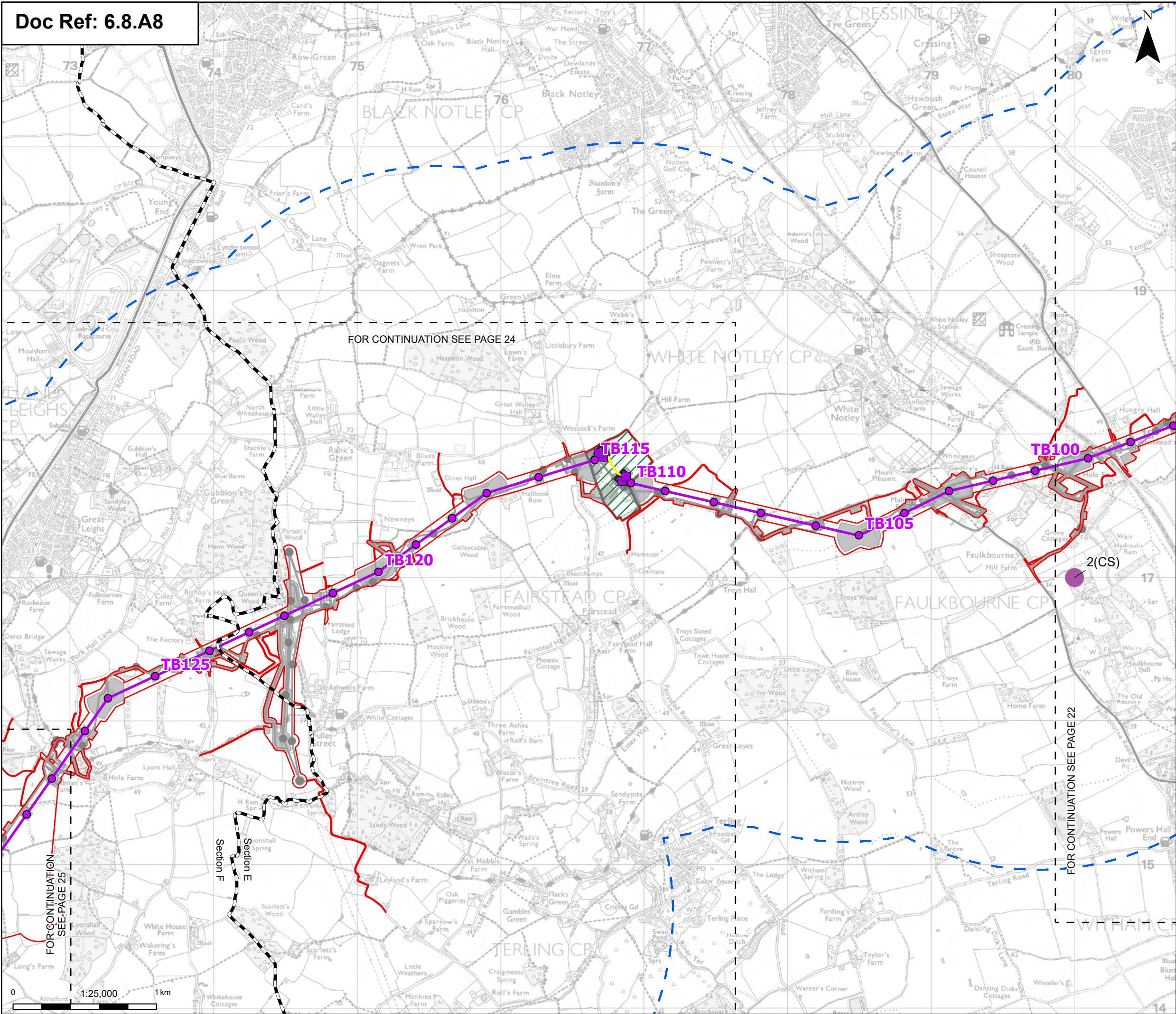
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Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 21 of 31

Designed	R. Anderton	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-00326	Revision: A
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Order limits

- Sheet index outline
- Project section line

Proposed project design details

- Proposed low duty gantry pylon location
- 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

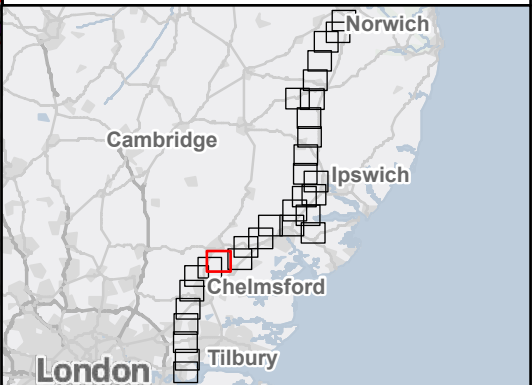
- 2 km Study Area

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

Common sandpiper (CS)	Curlew sandpiper (CV)
Grey plover (GV)	Jack snipe (JS)
Knot (KN)	Little stint (LX)
Oystercatcher (OC)	Redshank (RK)
Sanderling (SS)	Snipe (SN)
Turnstone (TT)	

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

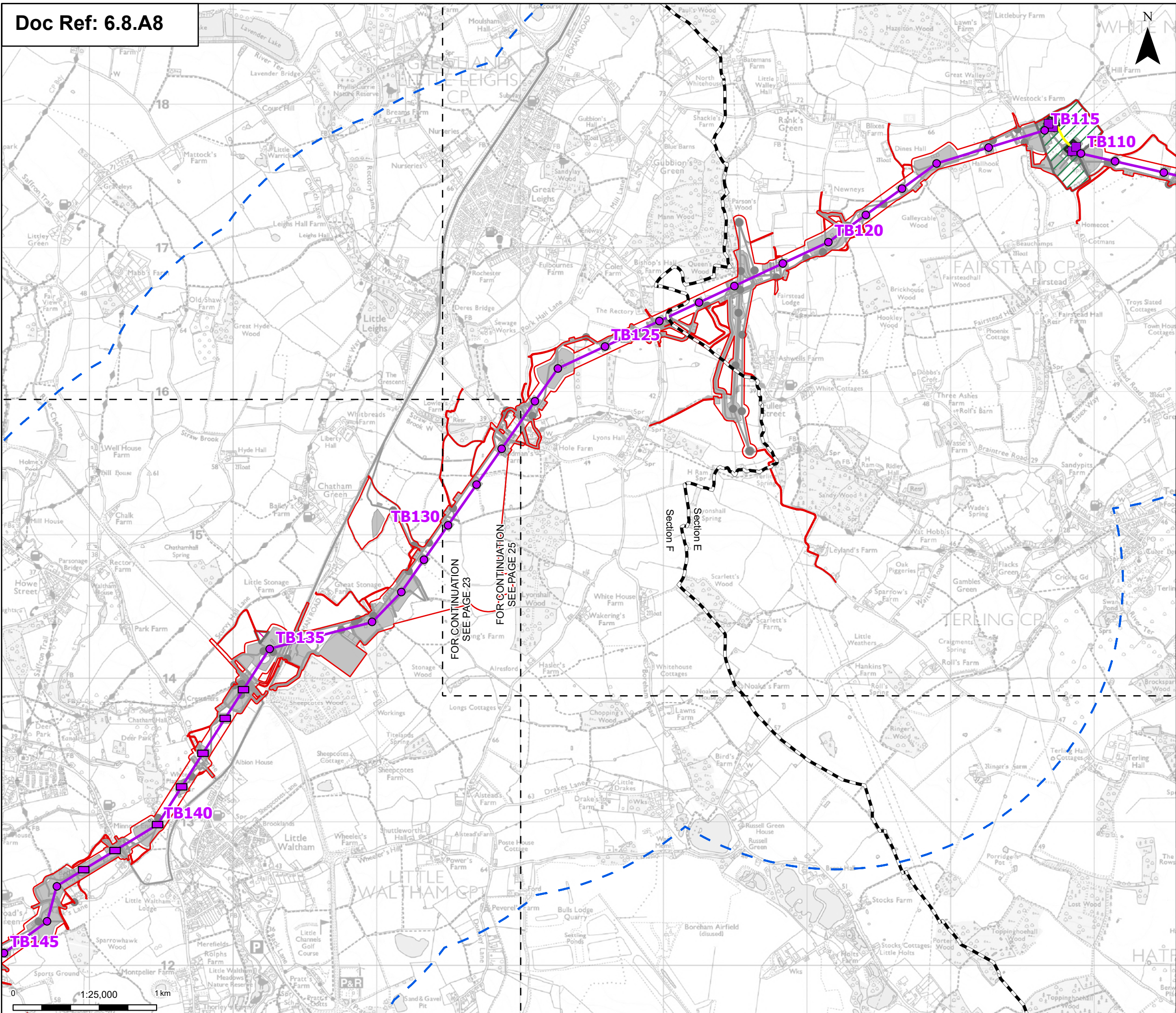
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**Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 23 of 31**

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-00326

Revision:
A



Order limits

- Sheet index outline
- Project section line

Proposed project design details

- Proposed low duty gantry location
- Proposed low height pylon location
- 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

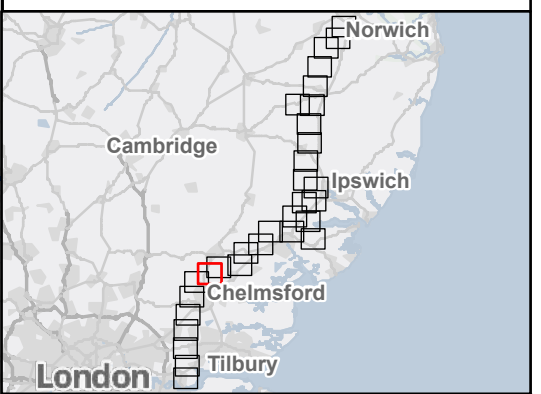
- 2 km Study Area

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

- Common sandpiper (CS)
- Curlew sandpiper (CV)
- Grey plover (GV)
- Jack snipe (JS)
- Knot (KN)
- Little stint (LX)
- Oystercatcher (OC)
- Redshank (RK)
- Sanderling (SS)
- Snipe (SN)
- Turnstone (TT)

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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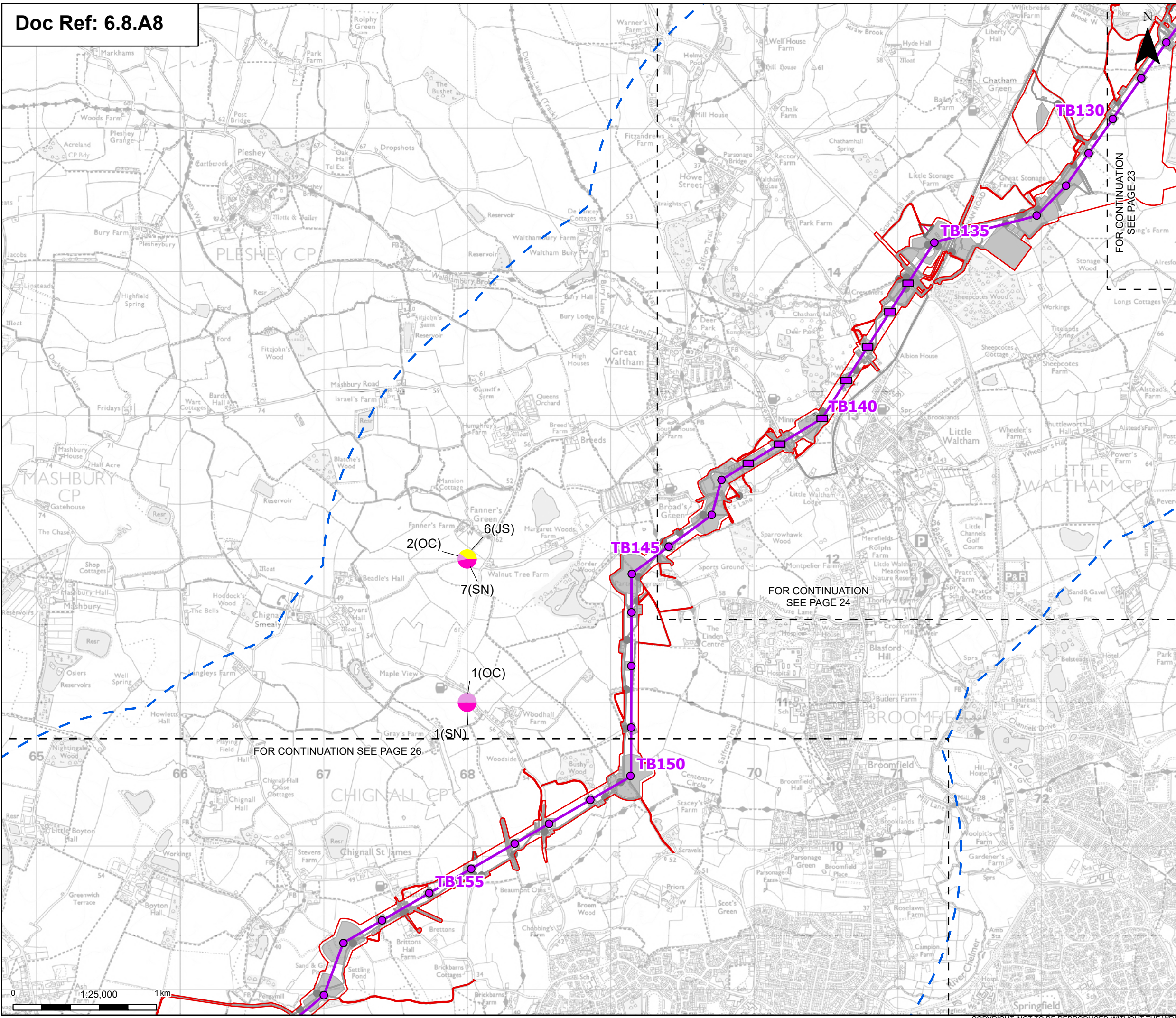
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Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary 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
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-00326	Revision:	A
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Order limits
Sheet index outline

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

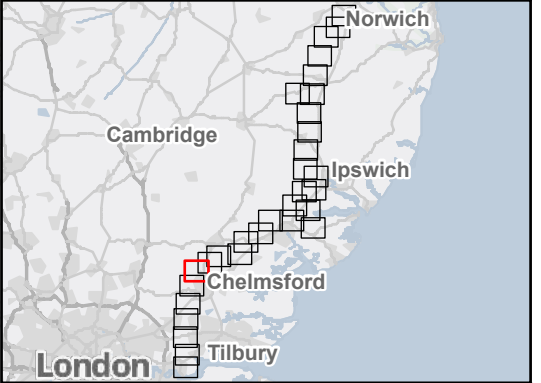
Discipline specific constraints
2 km Study Area

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

- Common sandpiper (CS)
- Curlew sandpiper (CV)
- Grey plover (GV)
- Jack snipe (JS)
- Knot (KN)
- Little stint (LX)
- Oystercatcher (OC)
- Redshank (RK)
- Sanderling (SS)
- Snipe (SN)
- Turnstone (TT)

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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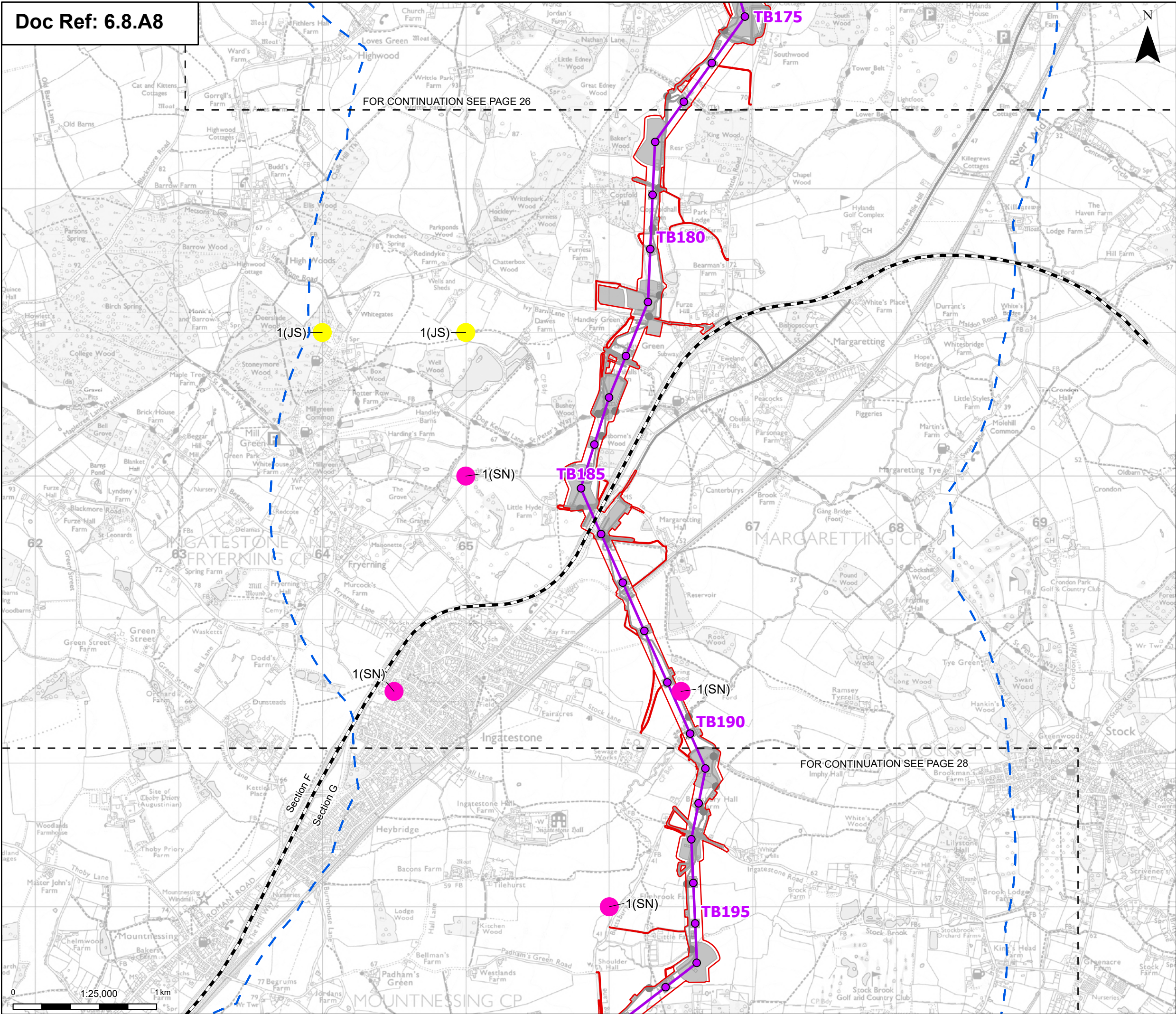
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Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 25 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-00326	Revision: A
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FOR CONTINUATION SEE PAGE 26

FOR CONTINUATION SEE PAGE 28

Order limits

- 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

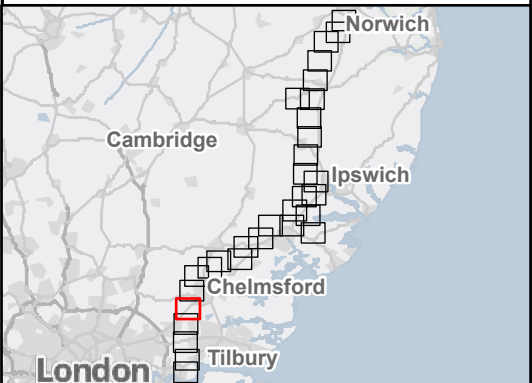
- 2 km Study Area

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

- Common sandpiper (CS)
- Curlew sandpiper (CV)
- Grey plover (GV)
- Jack snipe (JS)
- Knot (KN)
- Little stint (LX)
- Oystercatcher (OC)
- Redshank (RK)
- Sanderling (SS)
- Snipe (SN)
- Turnstone (TT)

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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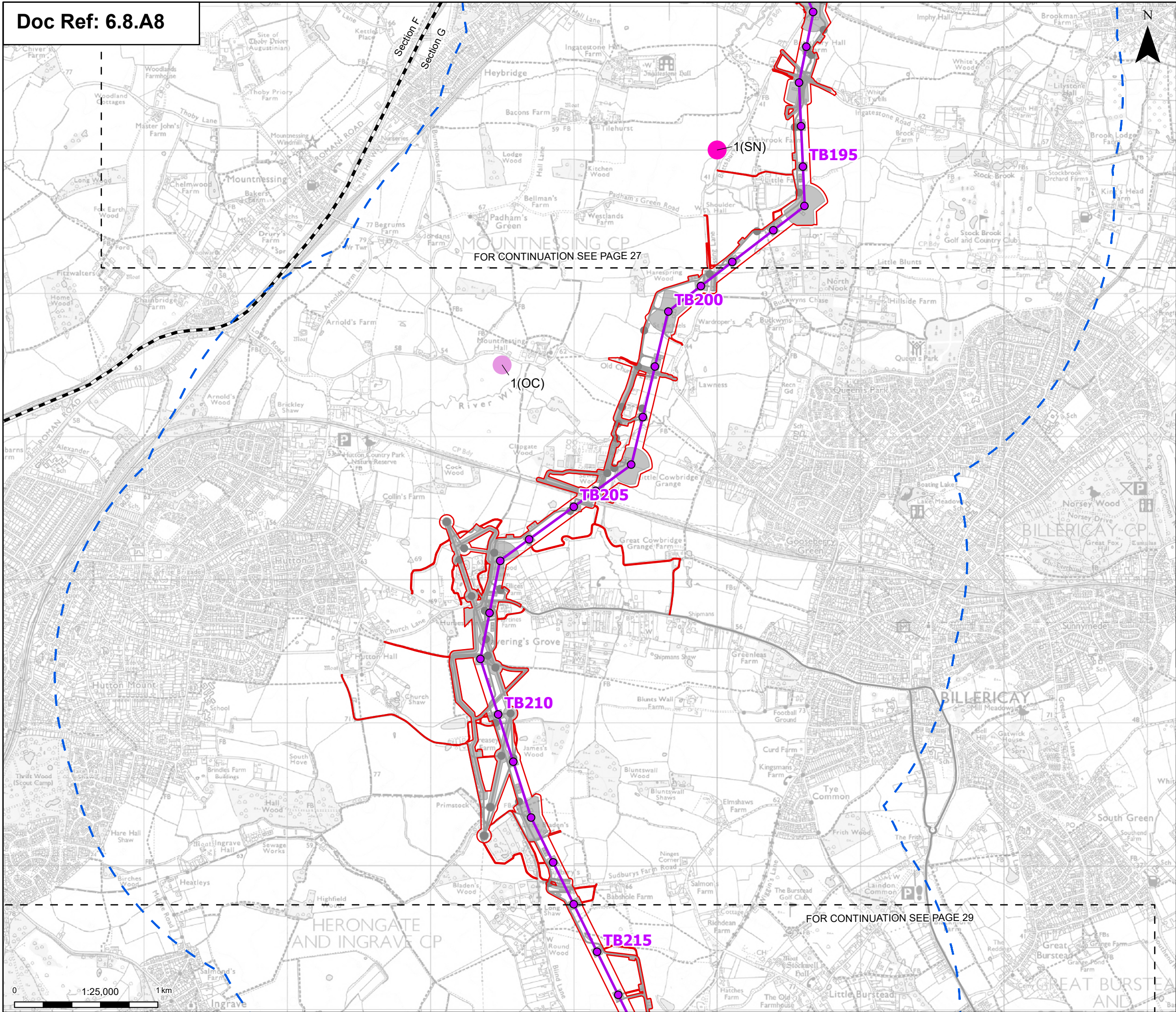
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Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 27 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:	Revision:
10059280-ARC-EBD-ZZ-DR-ZZ-00326	A



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

Disipline specific constraints

2 km Study Area

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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

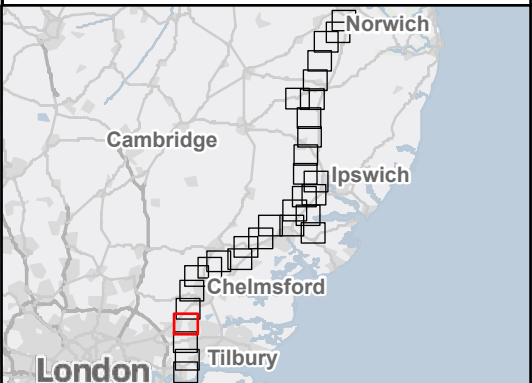
Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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 A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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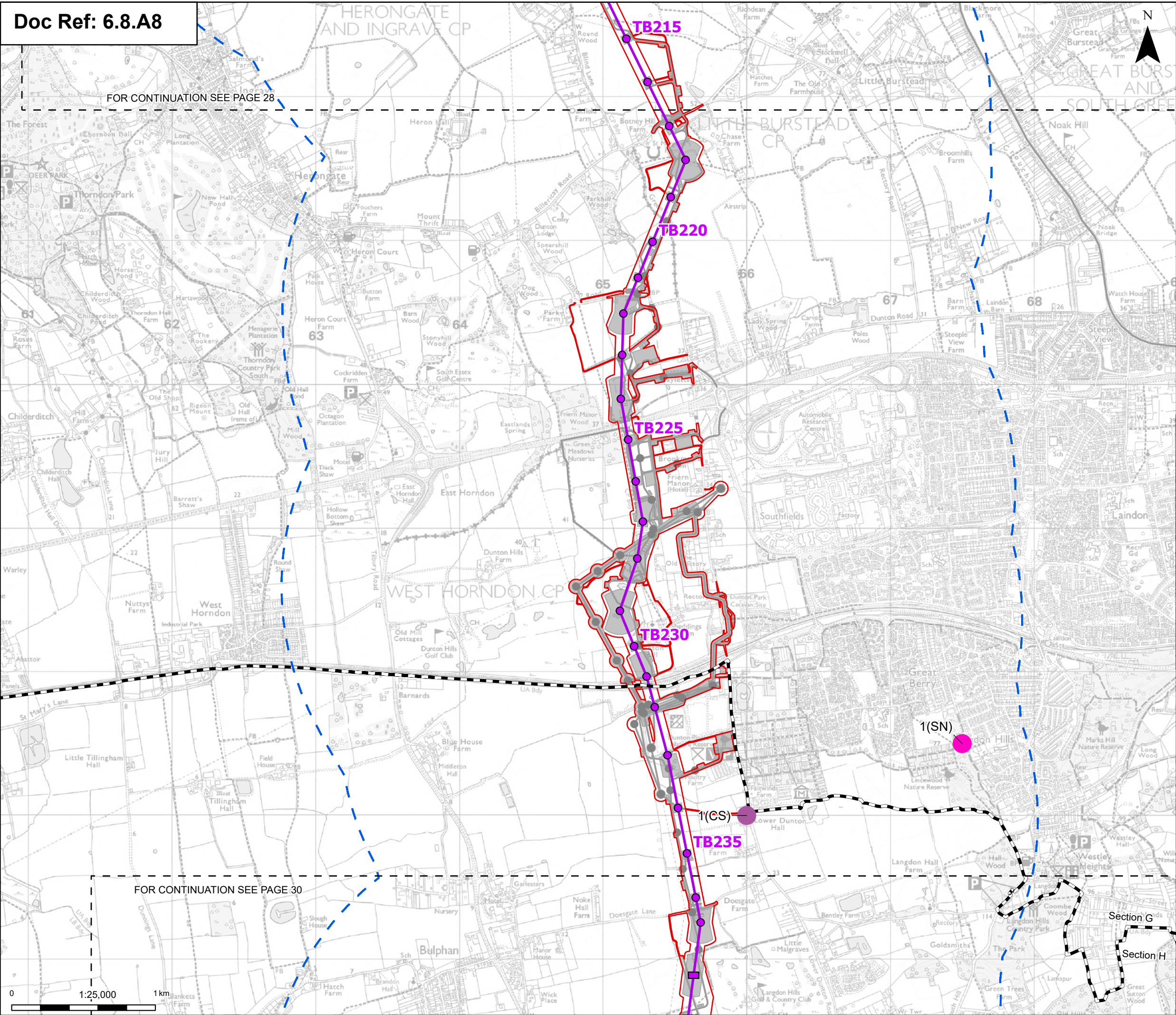
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

Accepted as Concept Stage

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FOR CONTINUATION SEE PAGE 28

FOR CONTINUATION SEE PAGE 30



Order limits

Sheet index outline

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 secondary species - Waders total abundance (desk study data 2013-2022)

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

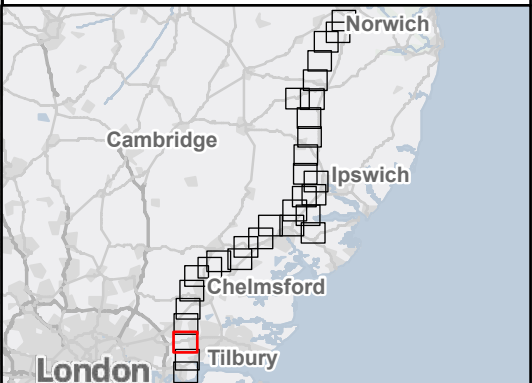
Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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**

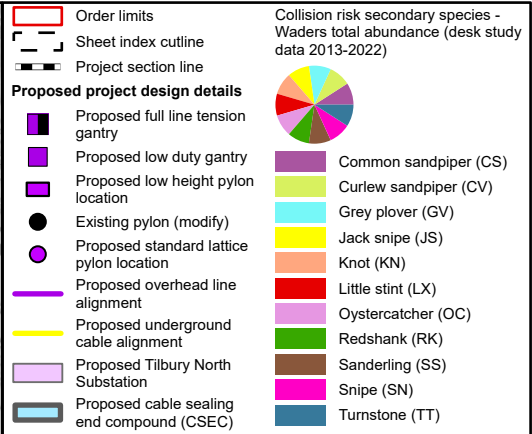
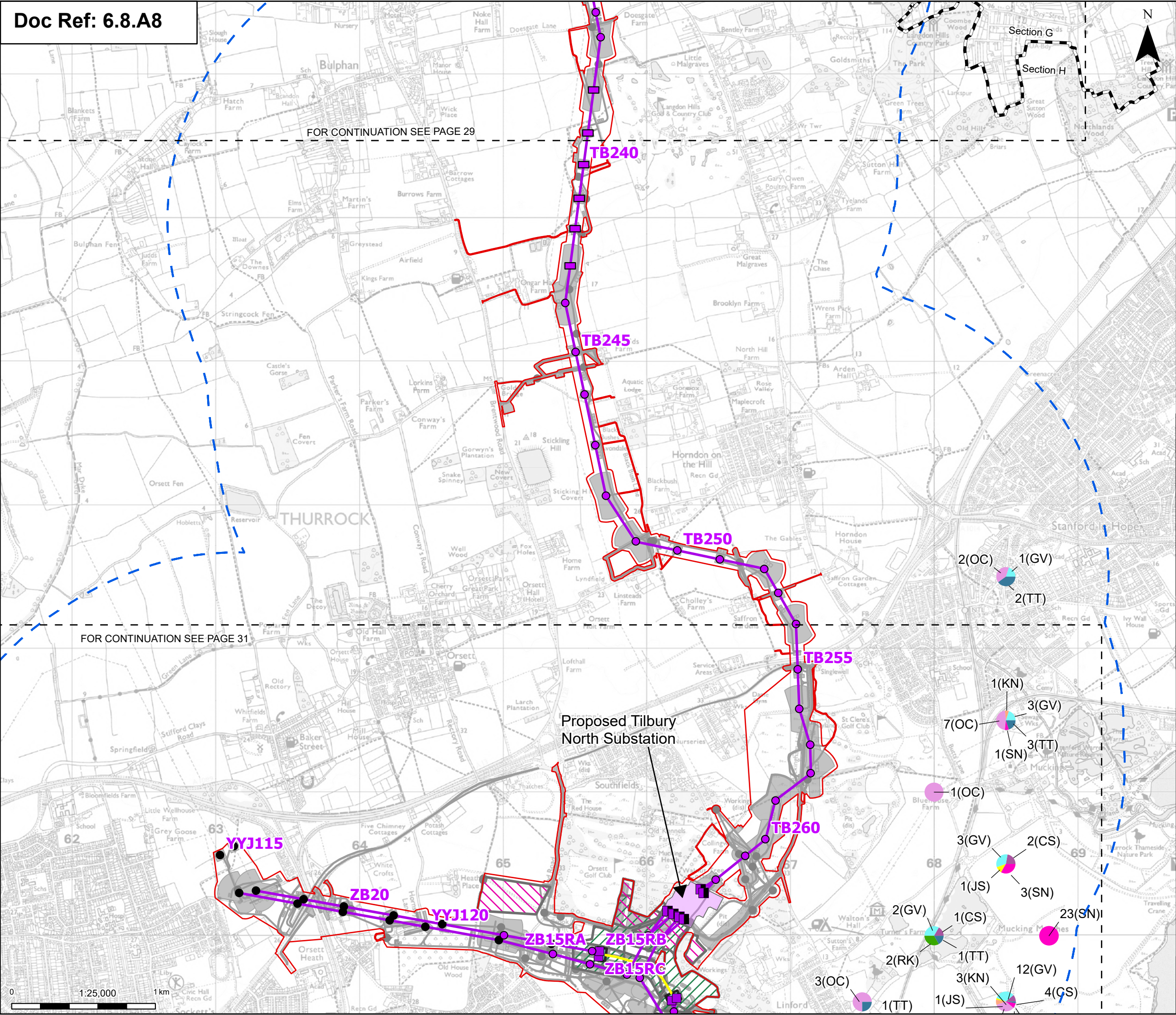
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Regulation 5(2)(a)

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**Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 29 of 31**

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:			

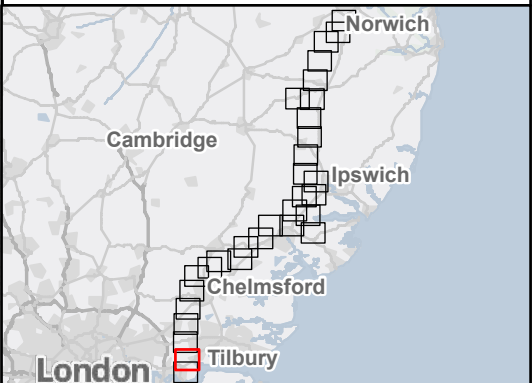
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00326
Revision: A



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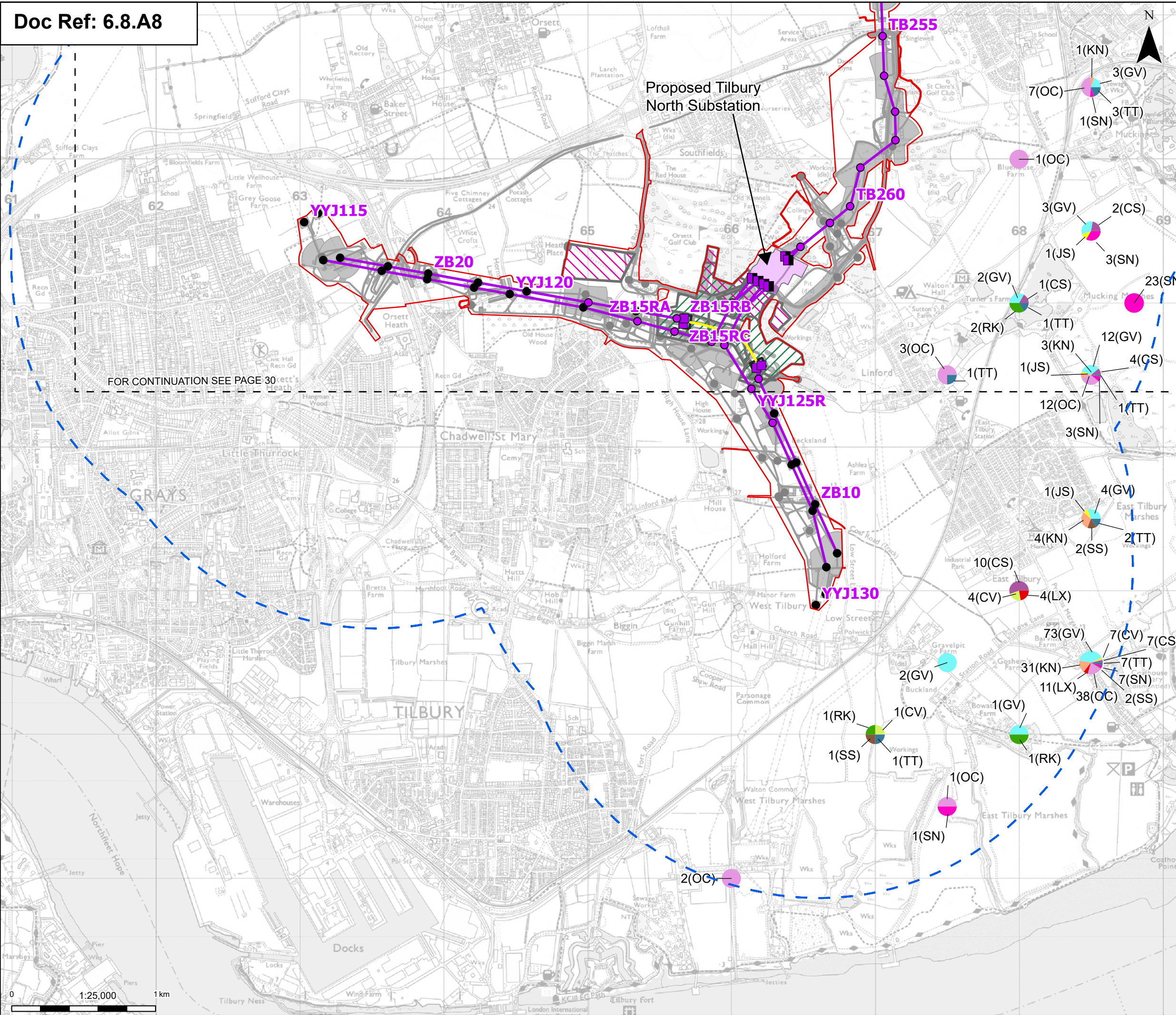
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Regulation 5(2)(a)

Title: **Figure A8.8.13 - Ecology and Biodiversity Collision Risk Secondary 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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Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00326	Revision:	A
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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 secondary species - Waders total abundance (desk study data 2013-2022)

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

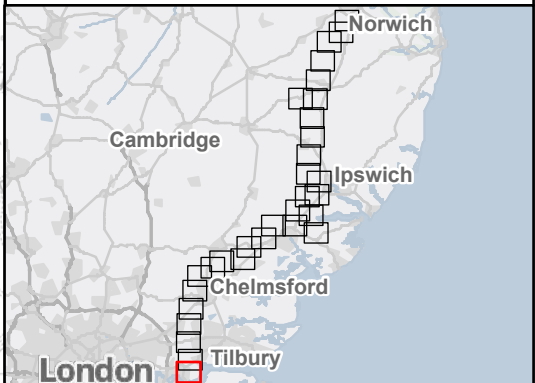
Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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

PROJECT:
nationalgrid Norwich to
Tilbury

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

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 31 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-00326	Revision: A
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