

AENC-ARC-ENV-REP-0155

Norwich to Tilbury

Volume 6: Environmental Statement

Document: 6.8.A8 Environmental Statement Appendix 8.8 - Wintering
and Passage Bird Report - Part 3

Final Issue A

August 2025

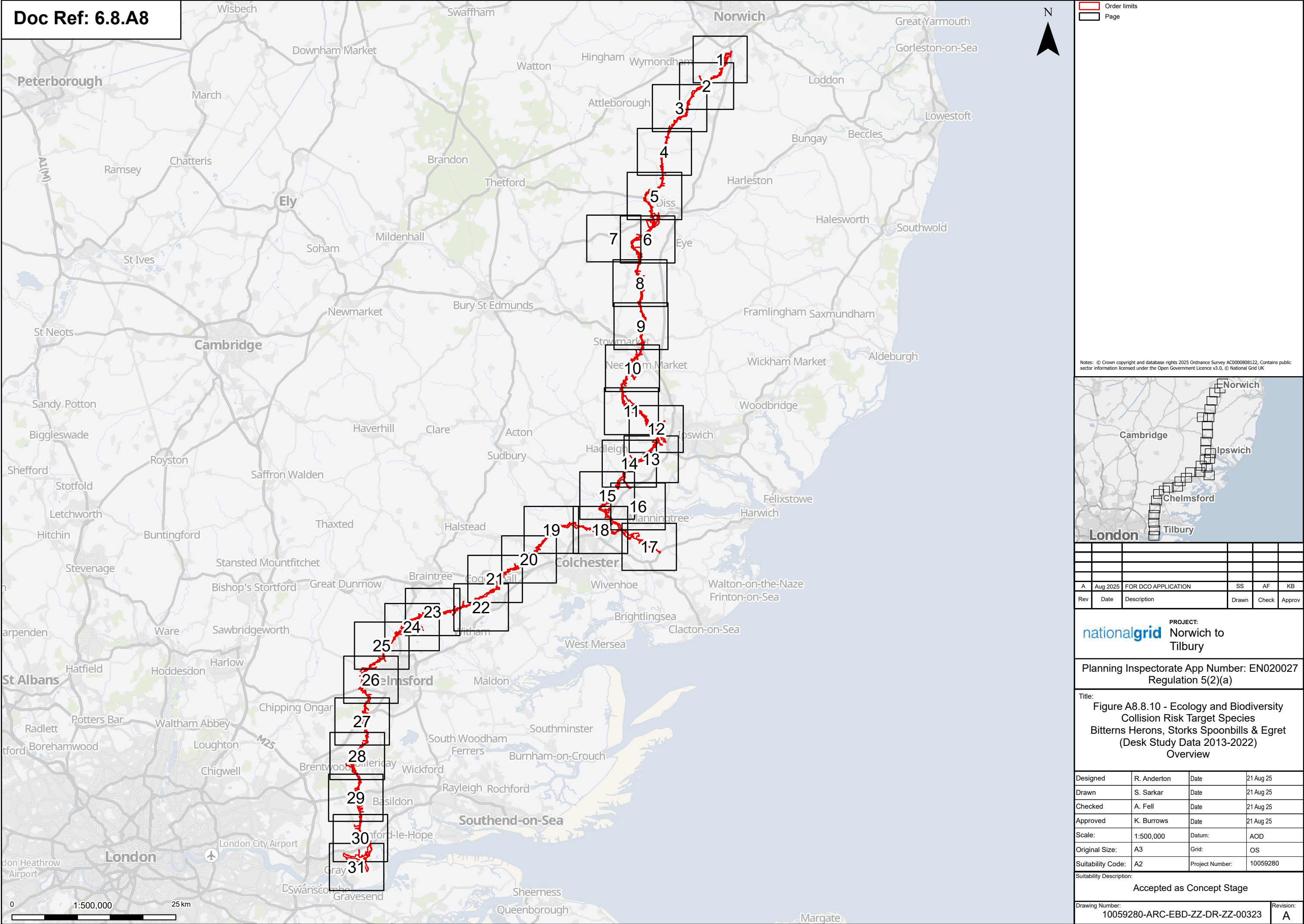
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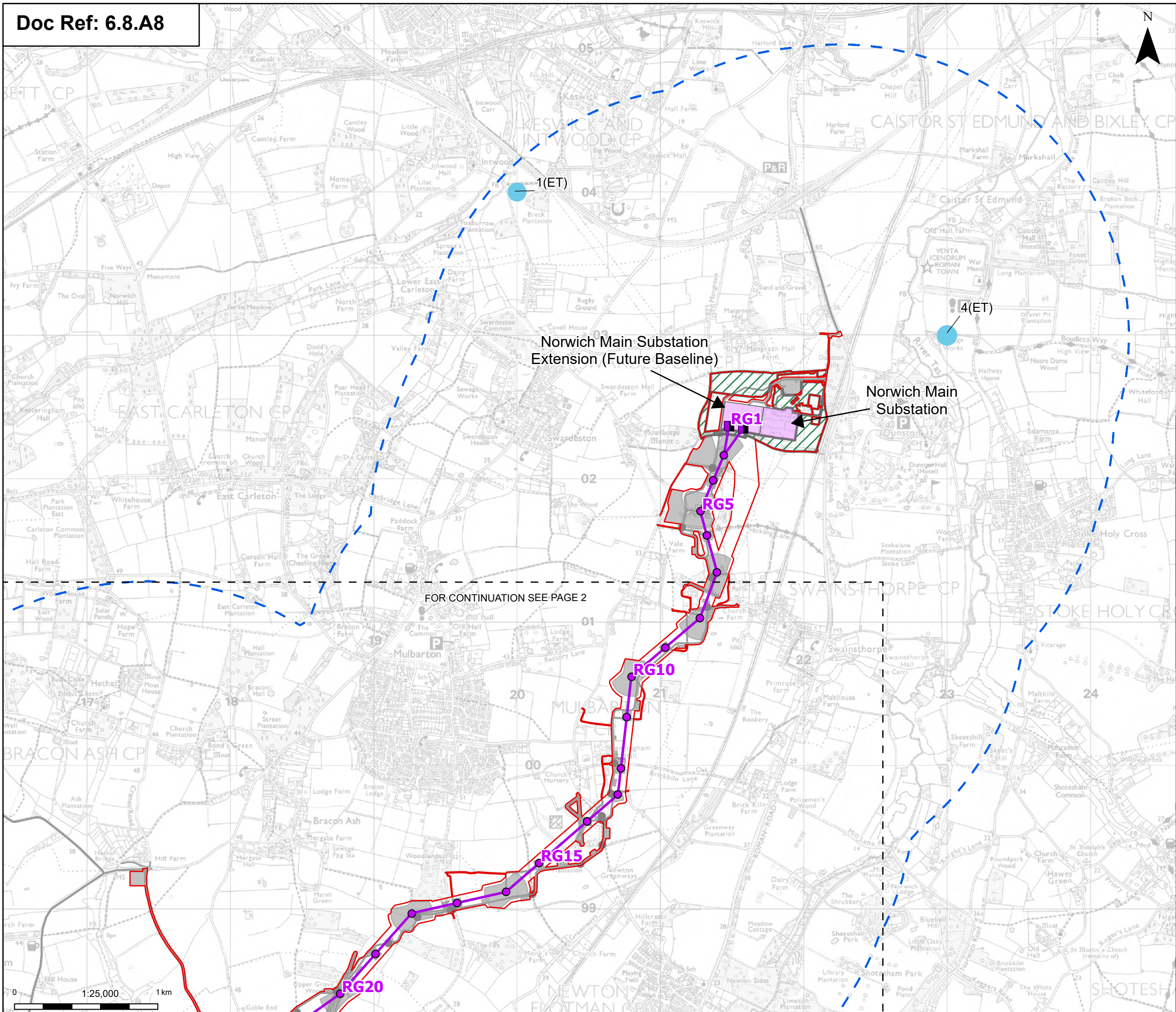
Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(a)

nationalgrid

Annex A.

Figures





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Proposed full line tension gantry

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Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

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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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Norwich to Tilbury

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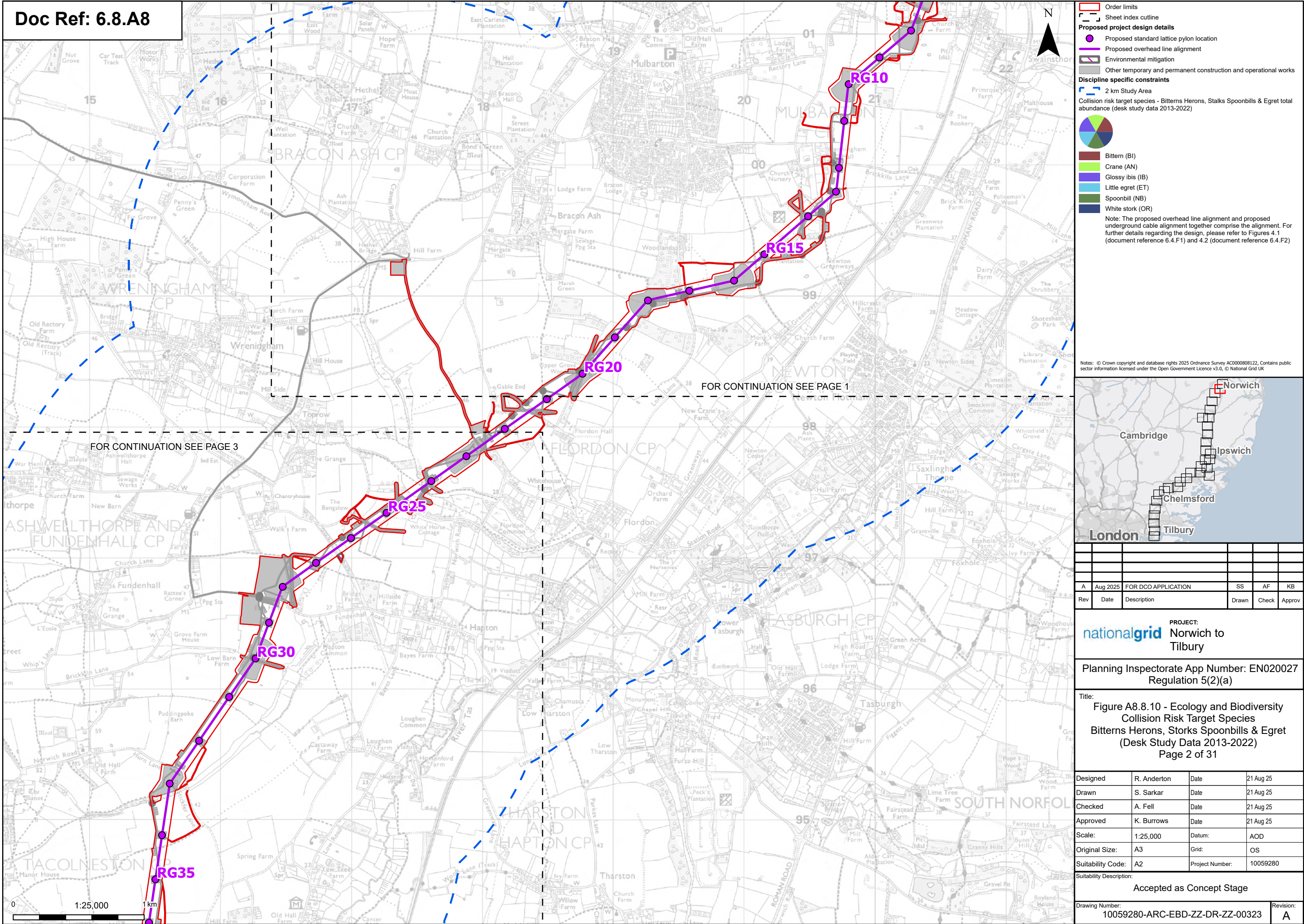
Figure A8.8.10 - Ecology and Biodiversity Collision Risk Target Species Bitterns Herons, Storks Spoonbills & Egret (Desk Study Data 2013-2022)

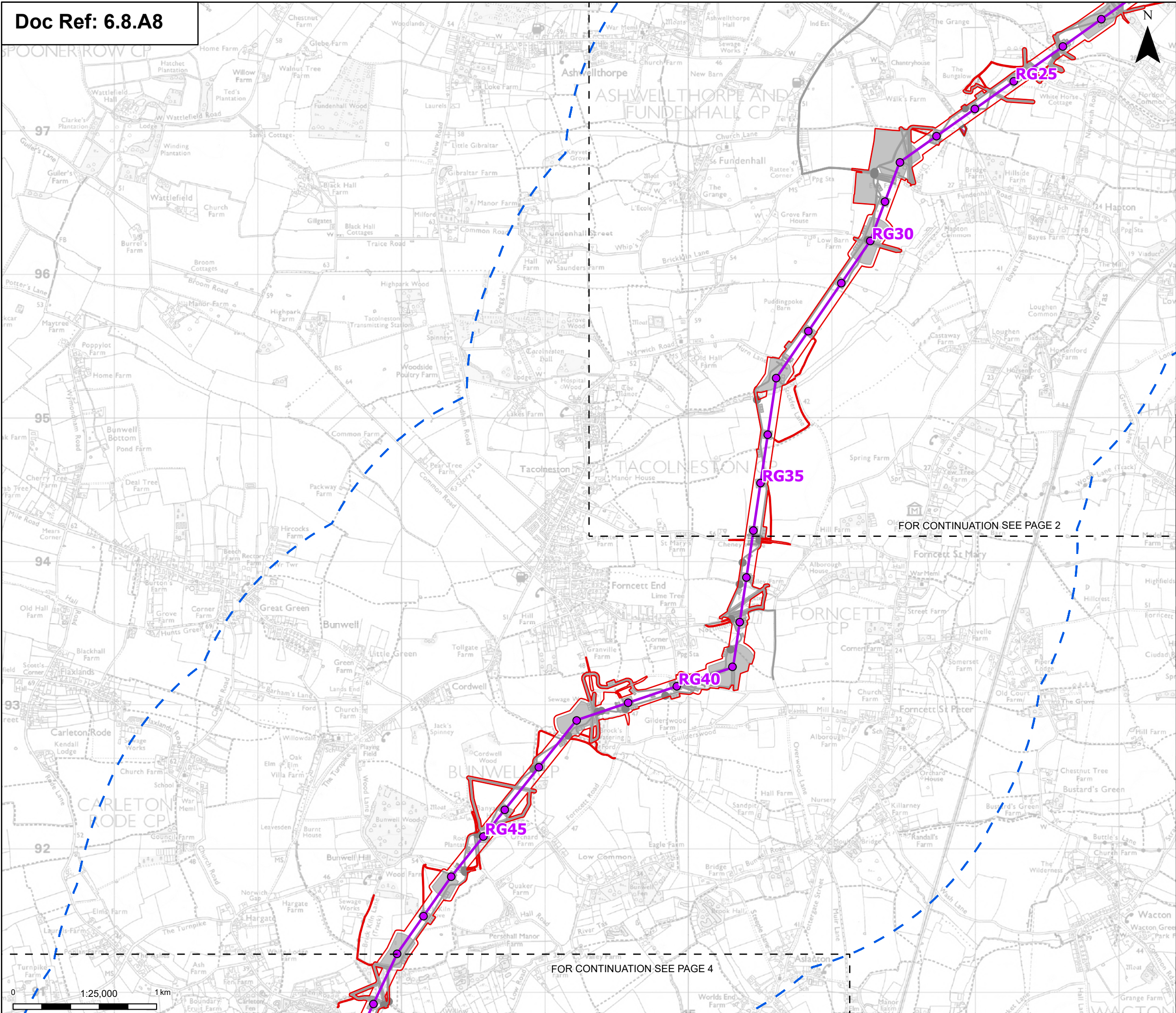
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			
Accepted as Concept Stage			
Drawing Number:			Revision:
10059280-ARC-EBD-ZZ-DR-ZZ-00323			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

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

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

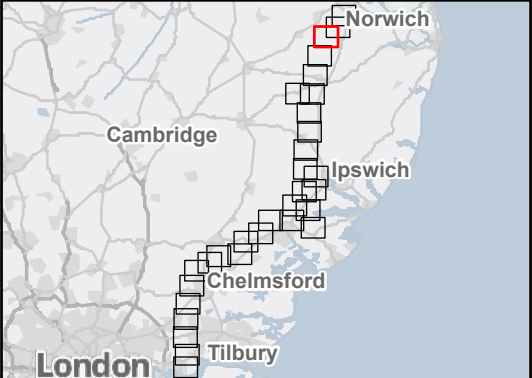
Little egret (ET)

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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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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2 km Study Area

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

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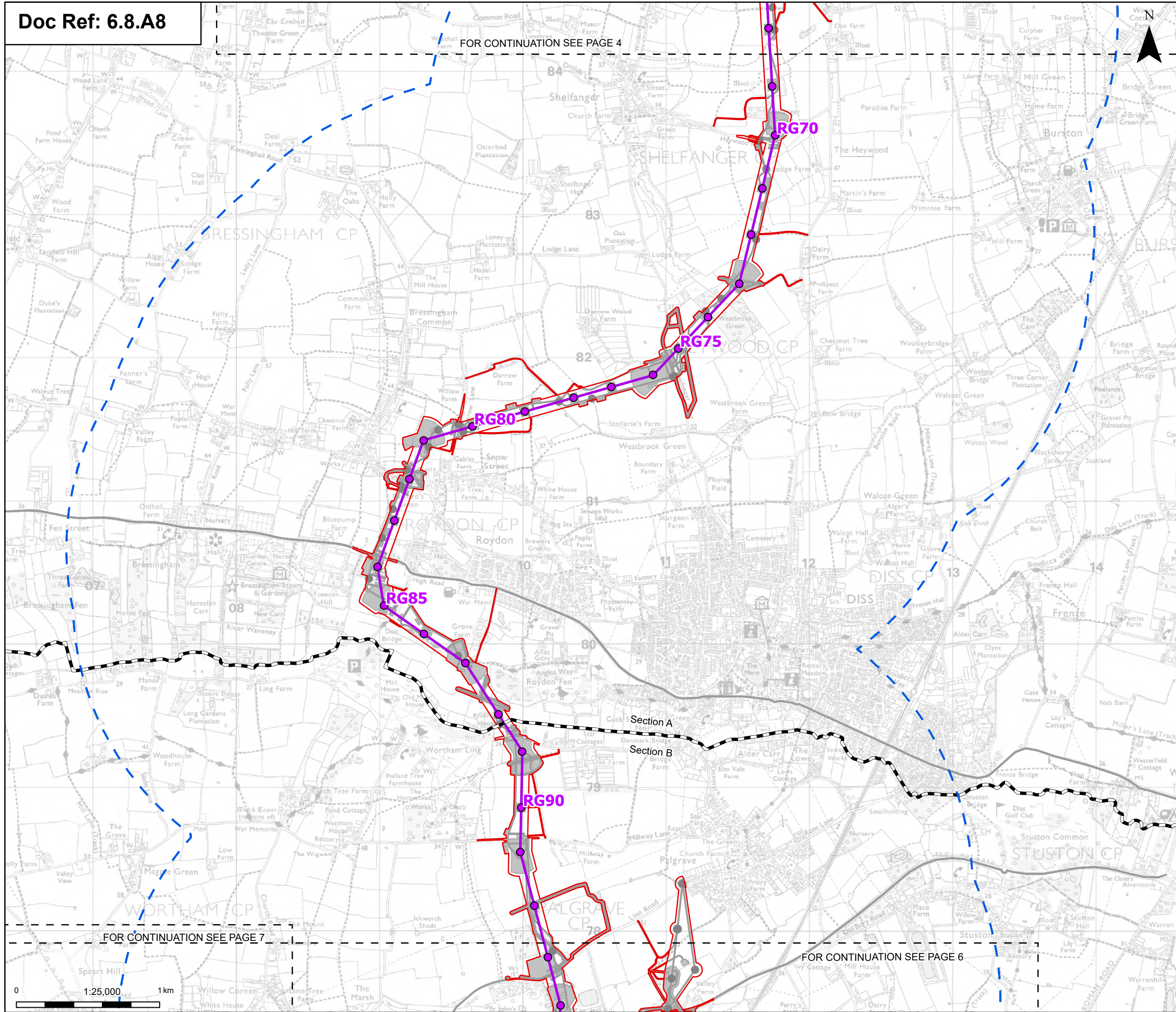
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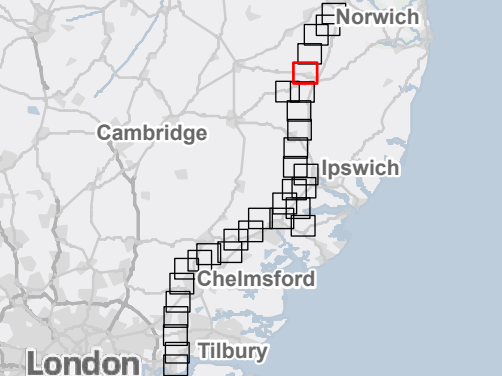
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- Discipline specific constraints
 - 2 km Study Area
- Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)



- Bittern (BI)
- Crane (AN)
- Glossy ibis (IB)
- Little egret (ET)
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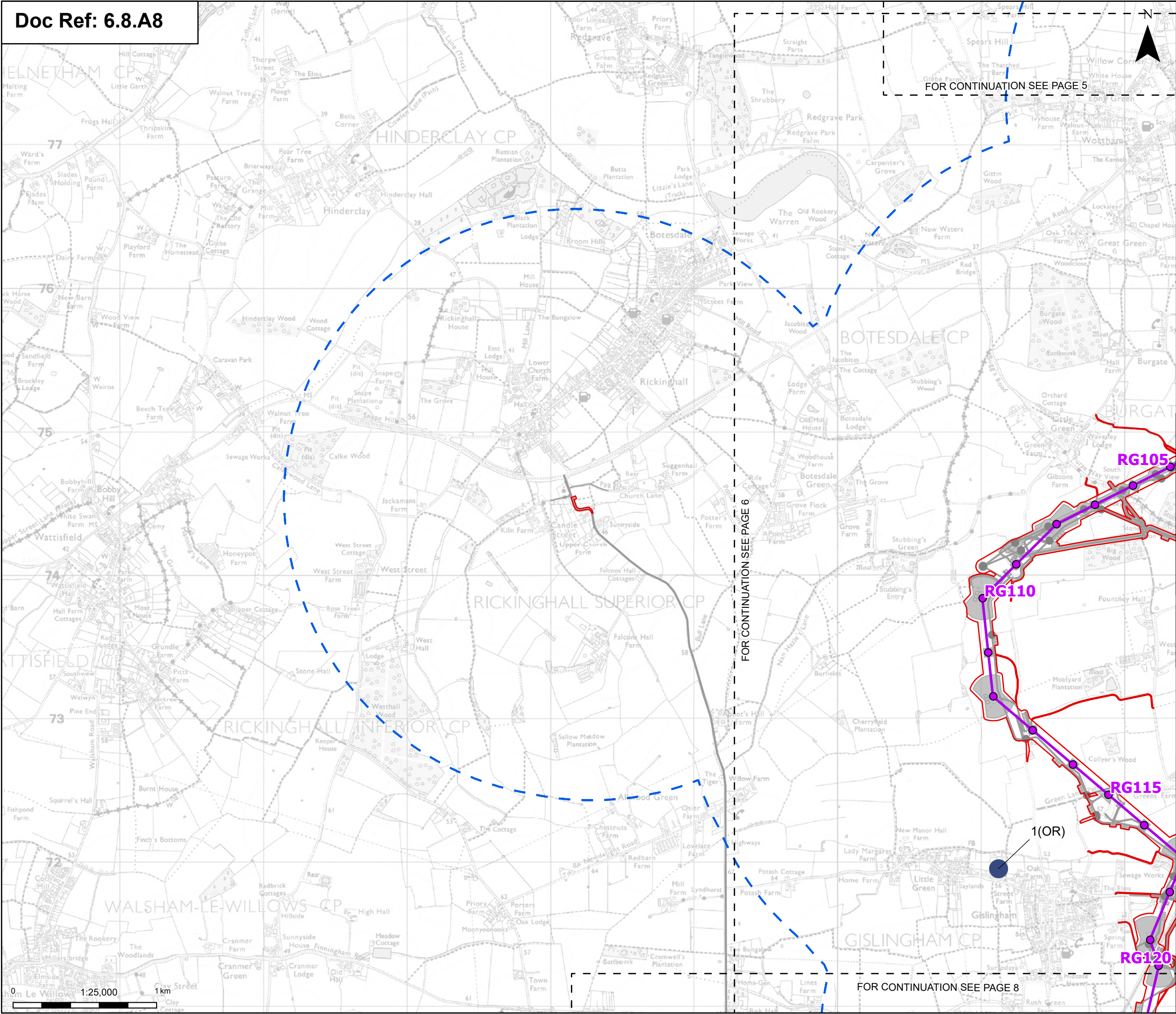
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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10059280-ARC-EBD-ZZ-DR-ZZ-00323
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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)

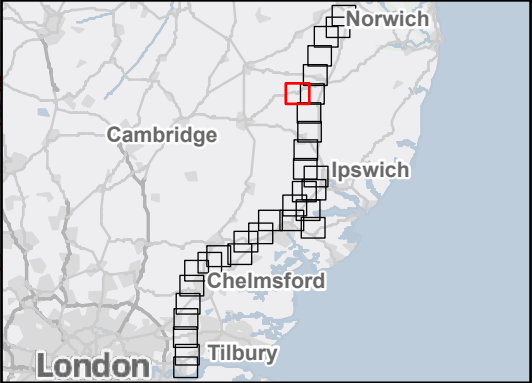
Little egret (ET)

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Norwich to Tilbury

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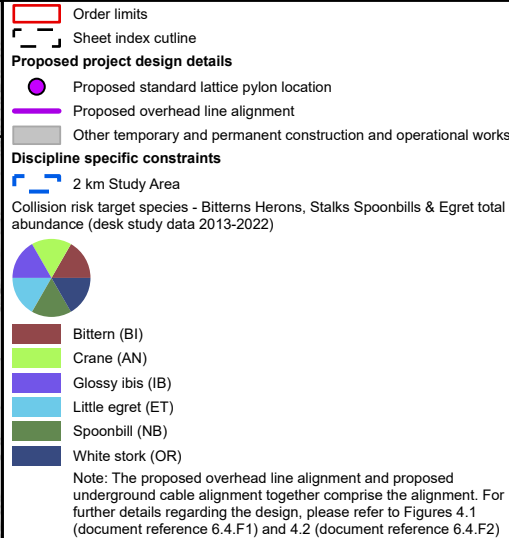
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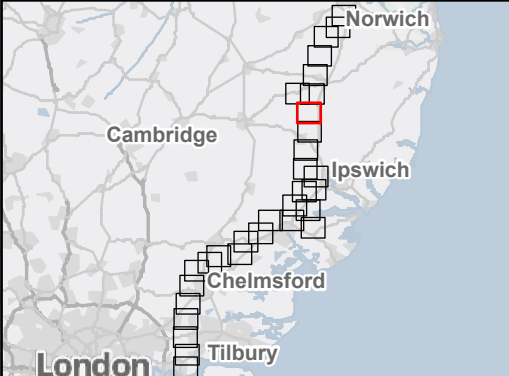
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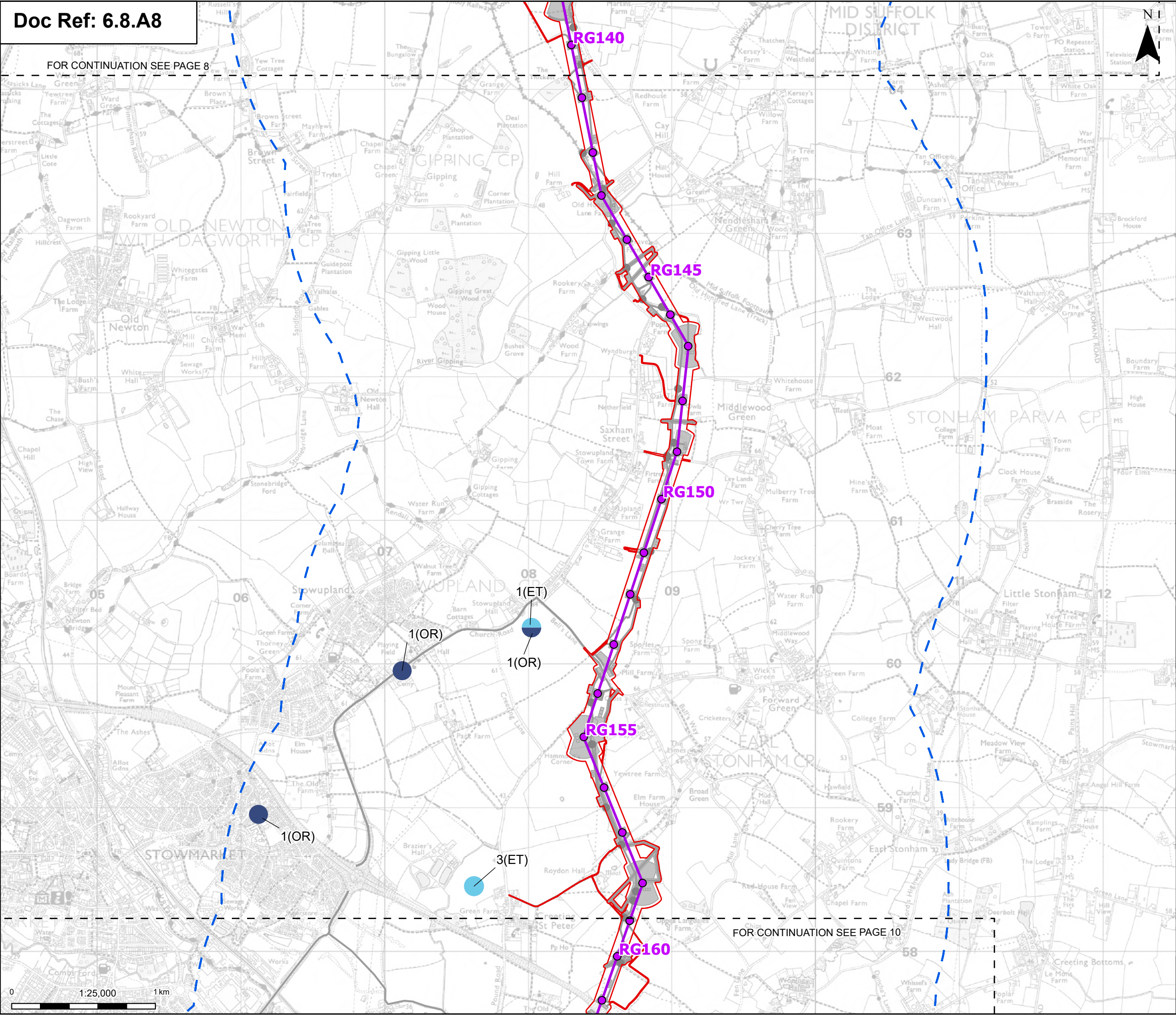
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Discipline specific constraints

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)

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Norwich to Tilbury

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Figure A8.8.10 - Ecology and Biodiversity Collision Risk Target Species
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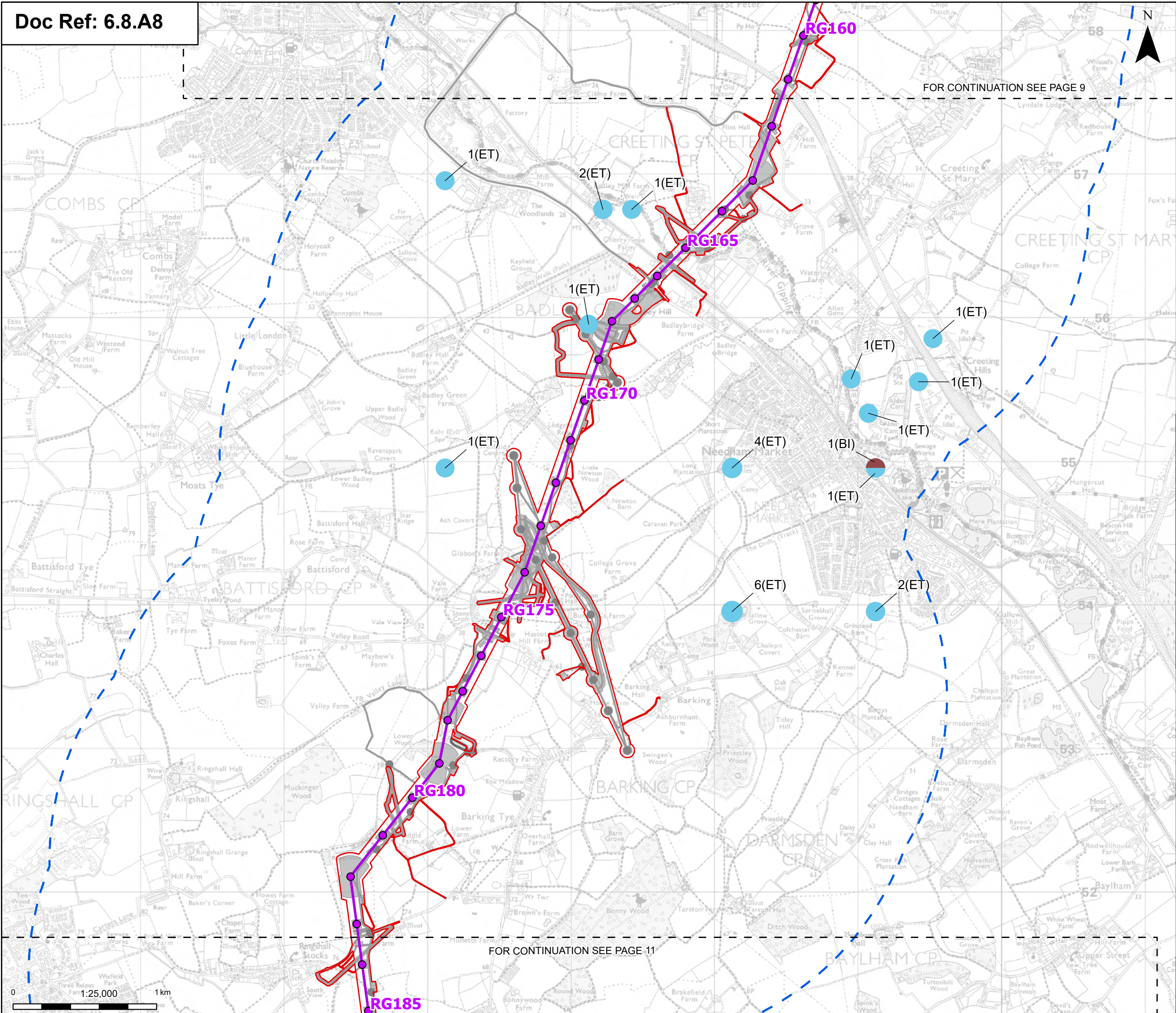
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Proposed standard lattice pylon location

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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)

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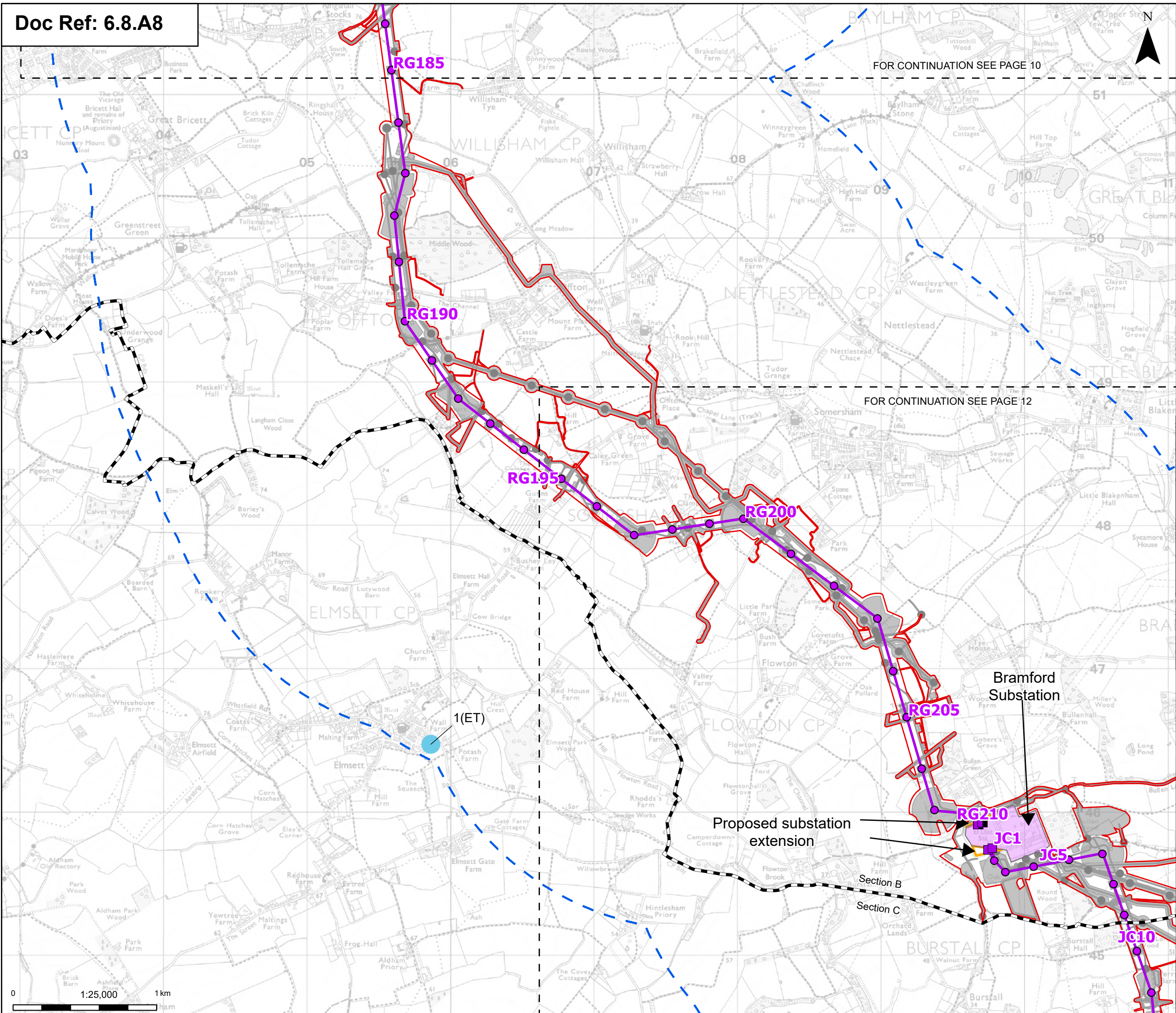
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Order limits

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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

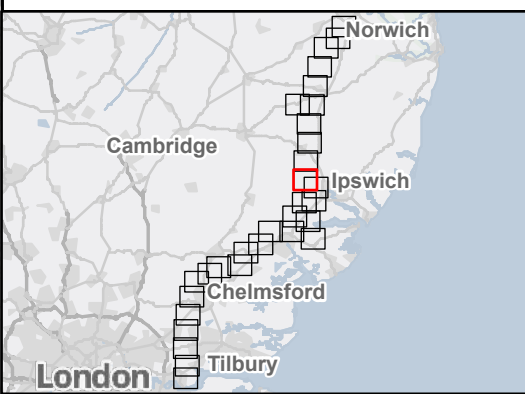
Discipline specific constraints

- 2 km Study Area

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

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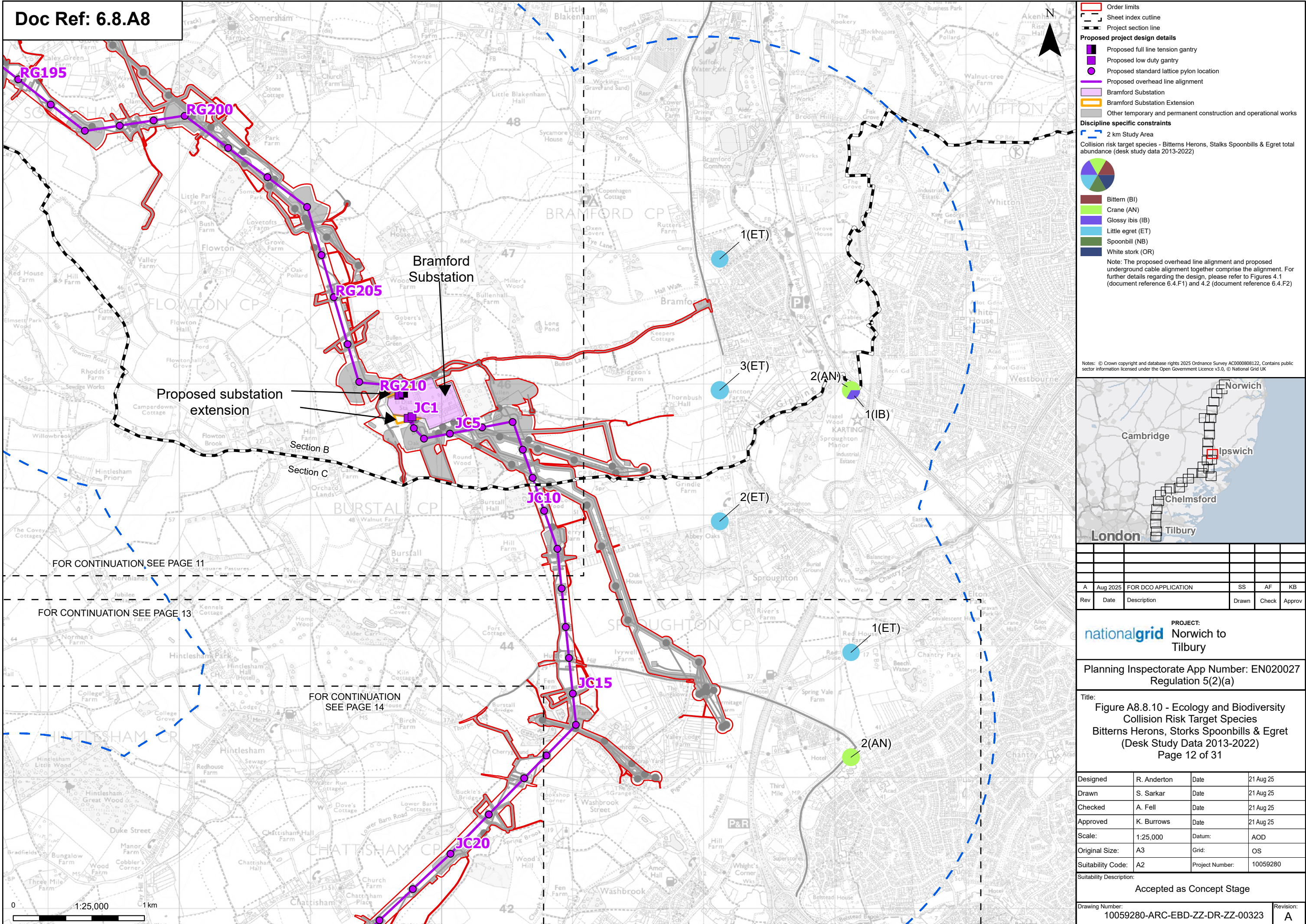
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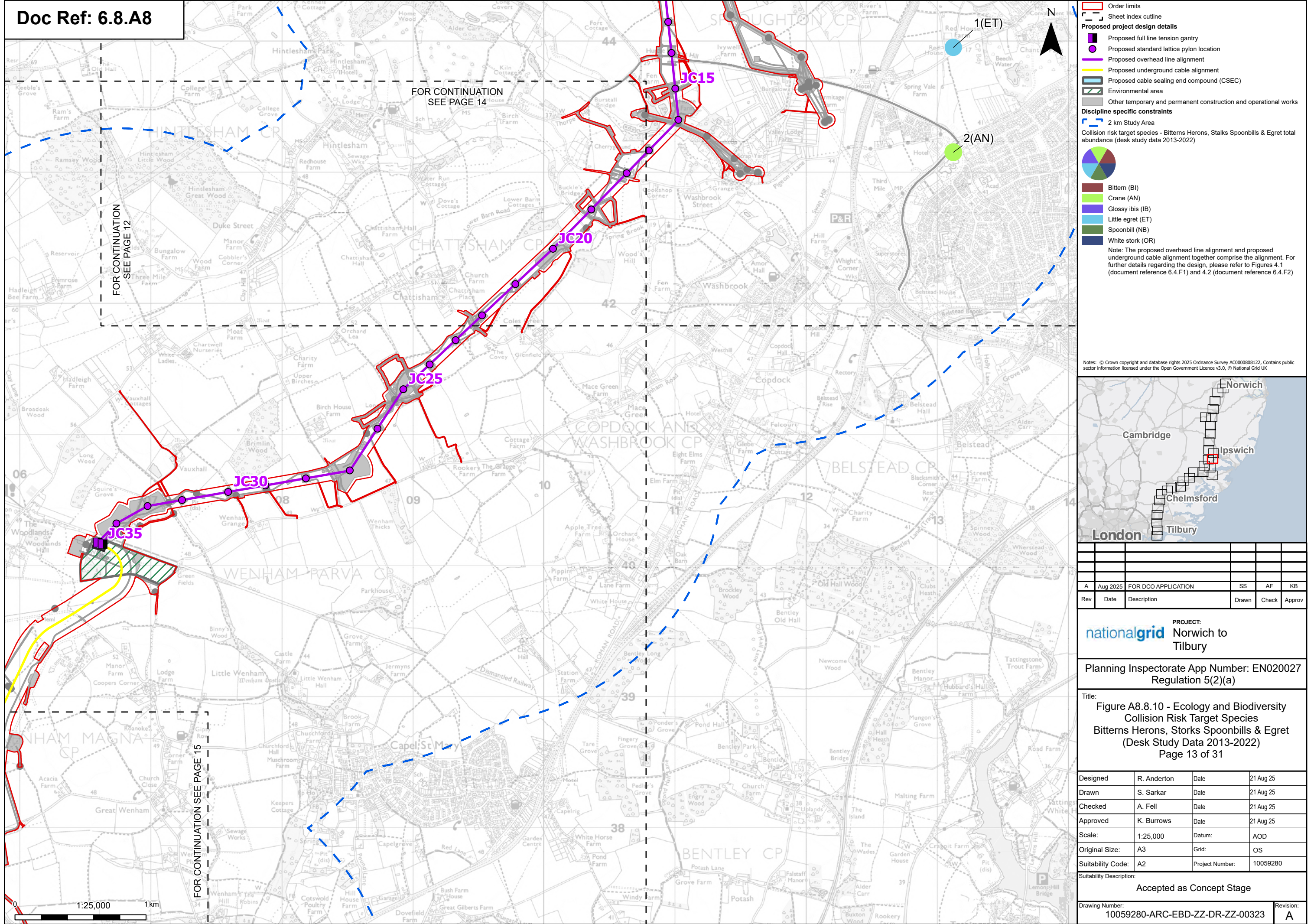
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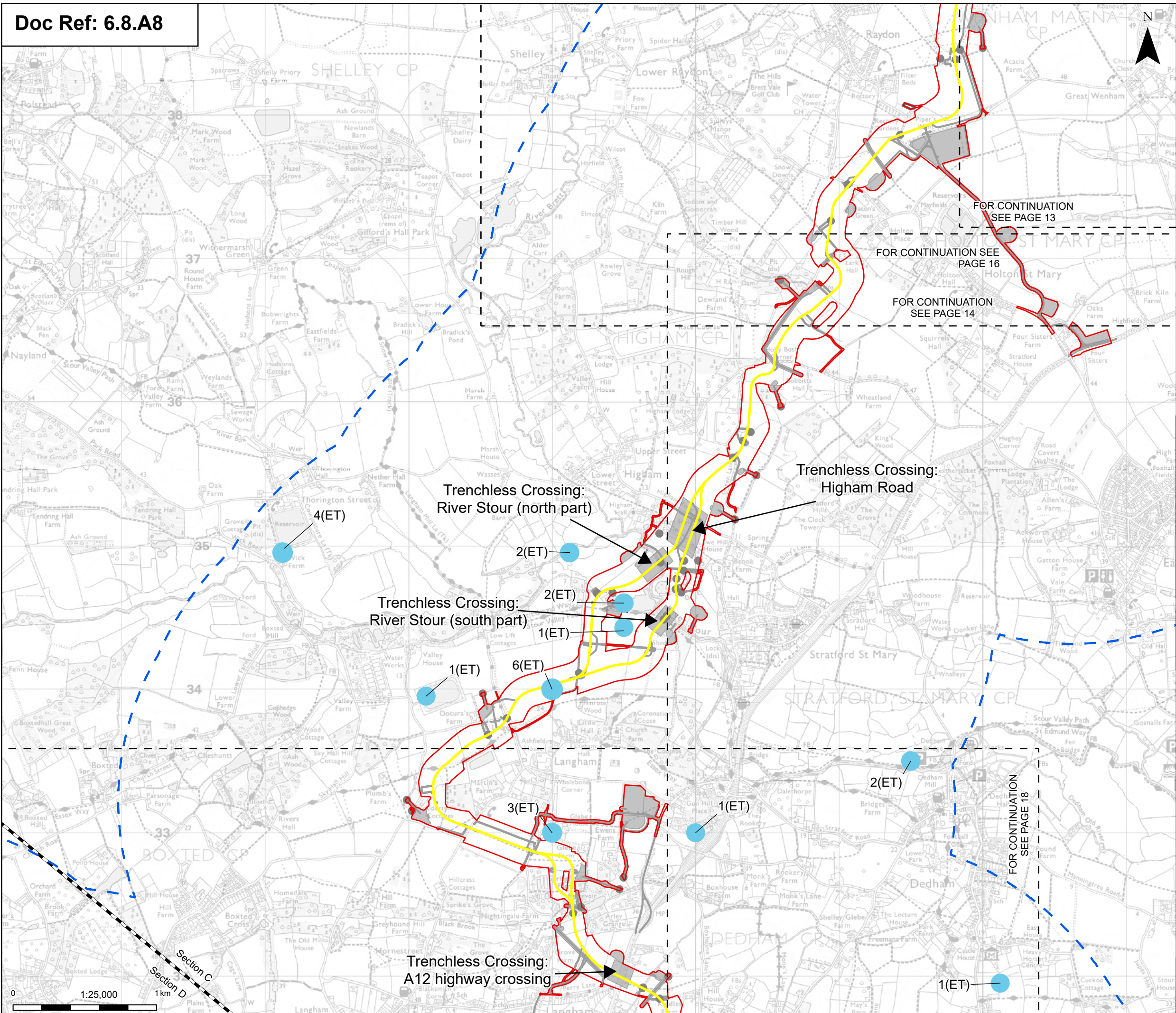
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Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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)

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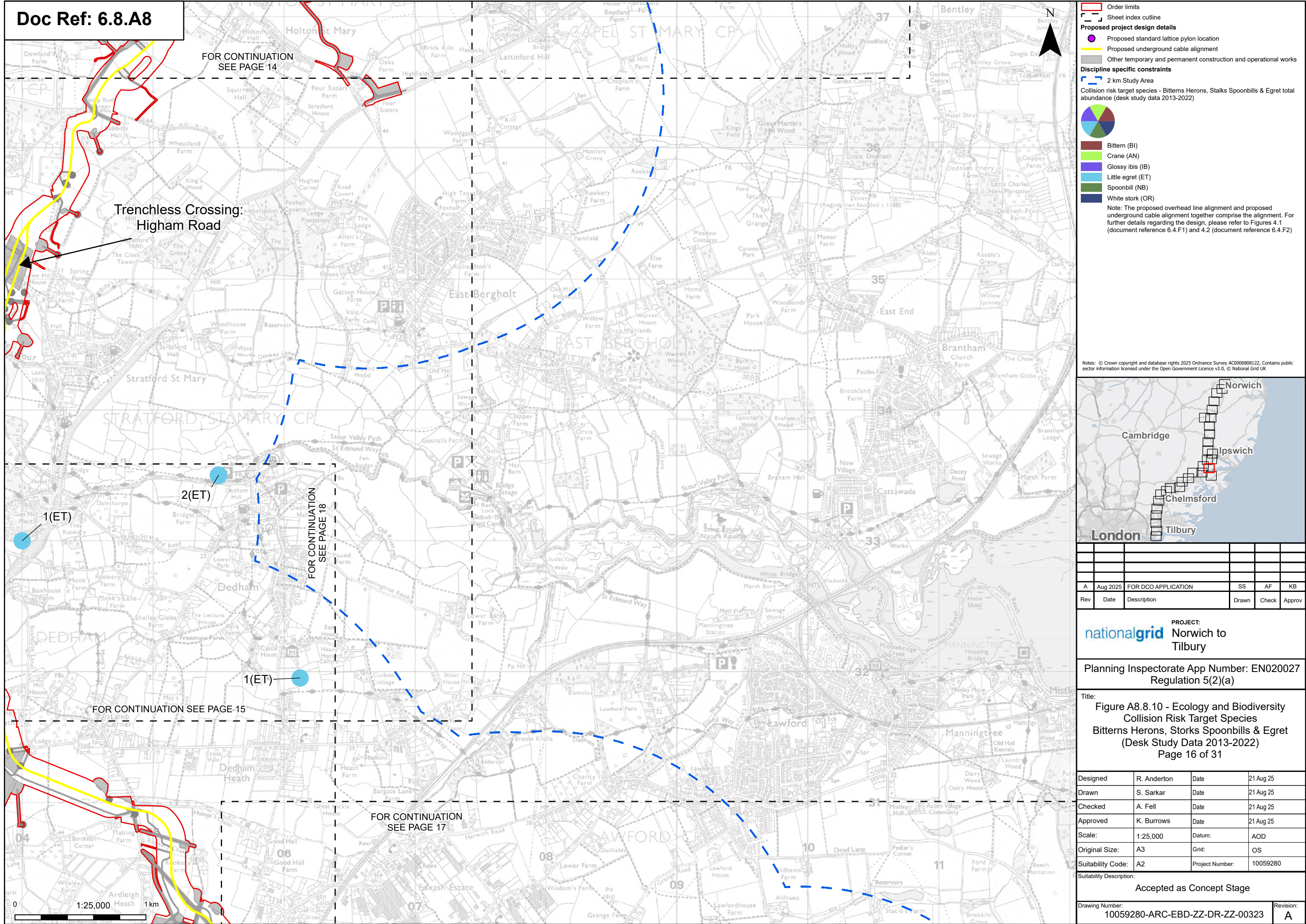
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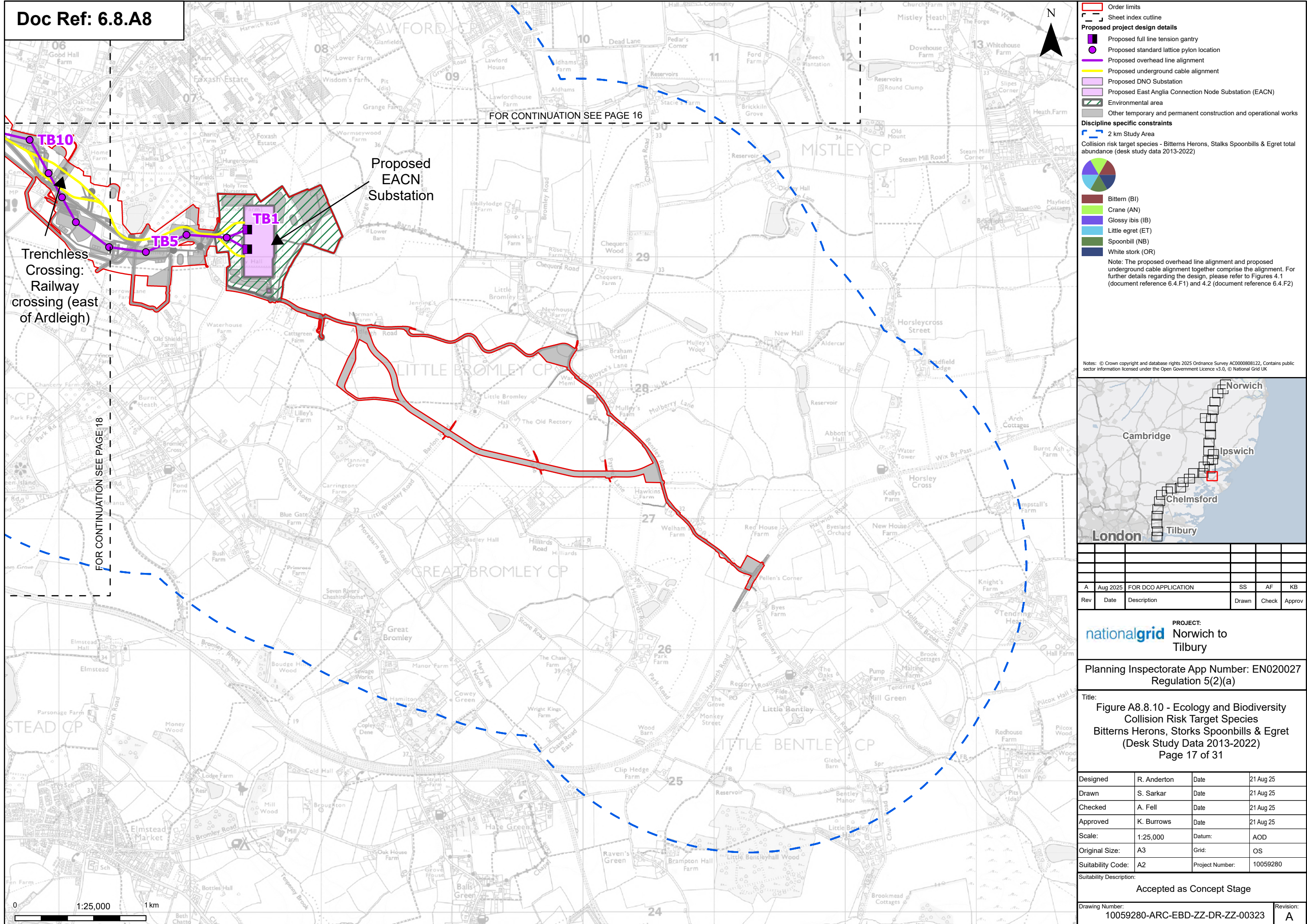
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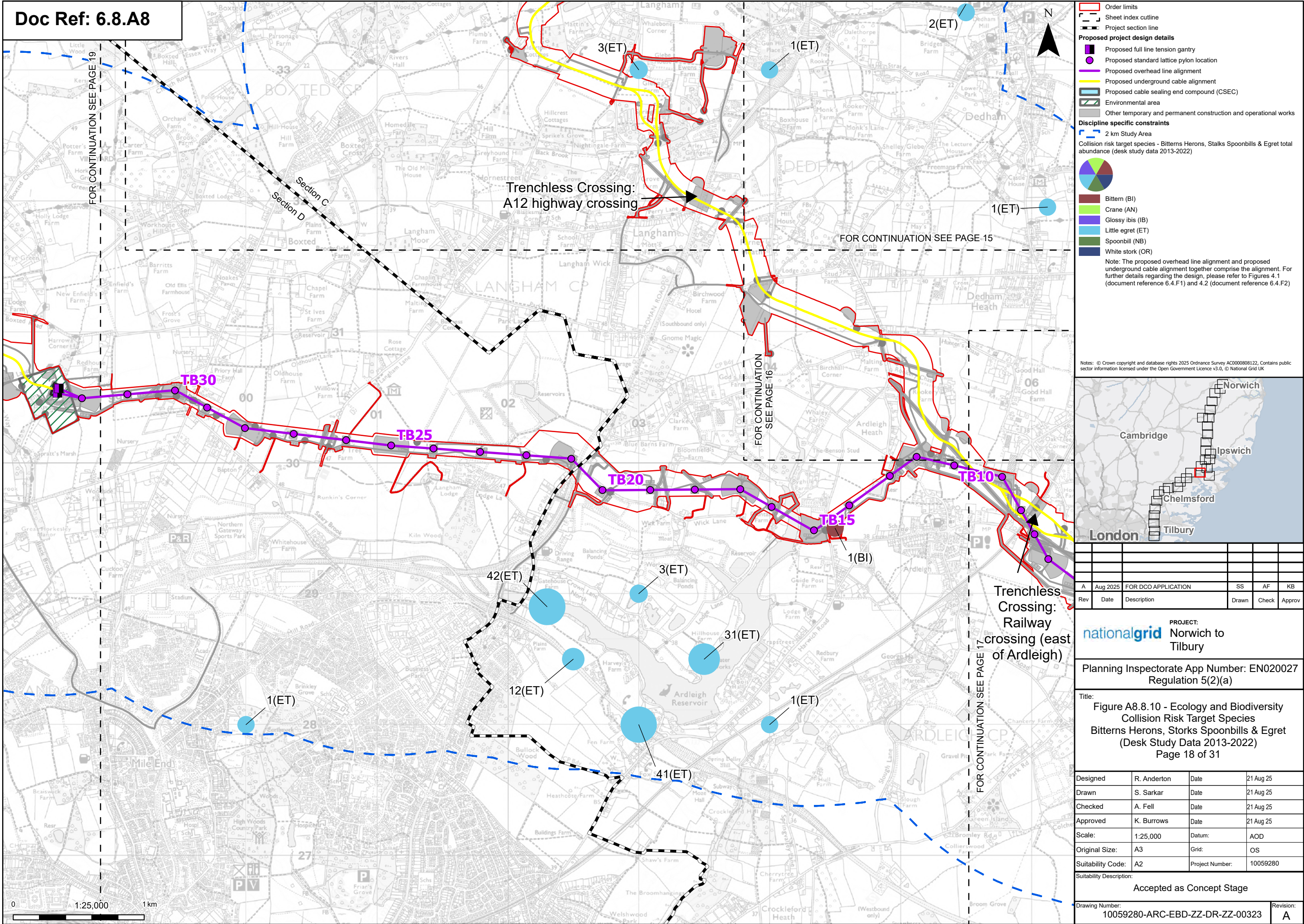
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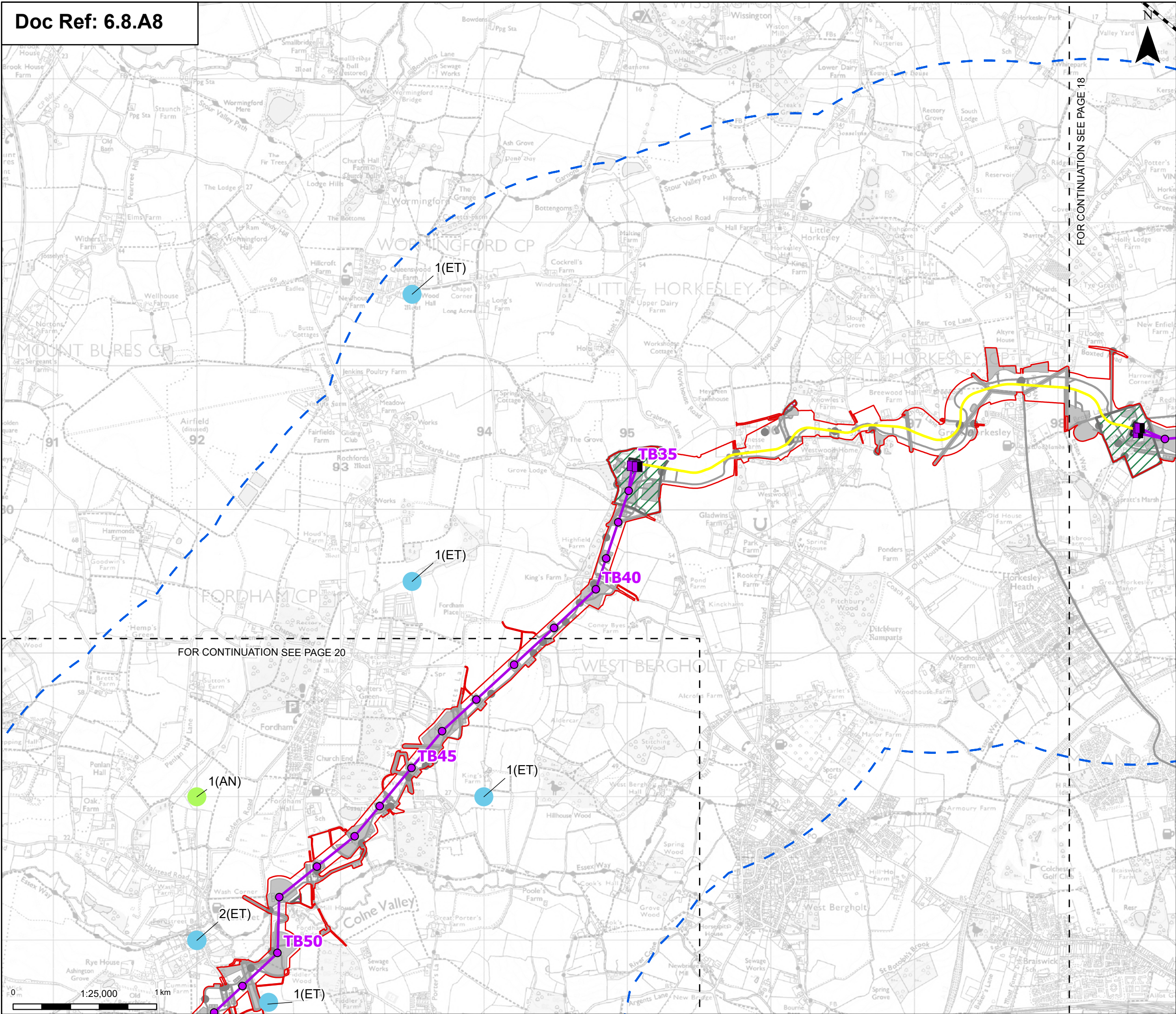
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Proposed project design details

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

Discipline specific constraints

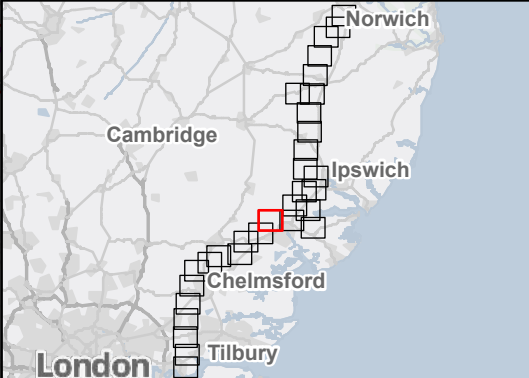
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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
Norwich to Tilbury

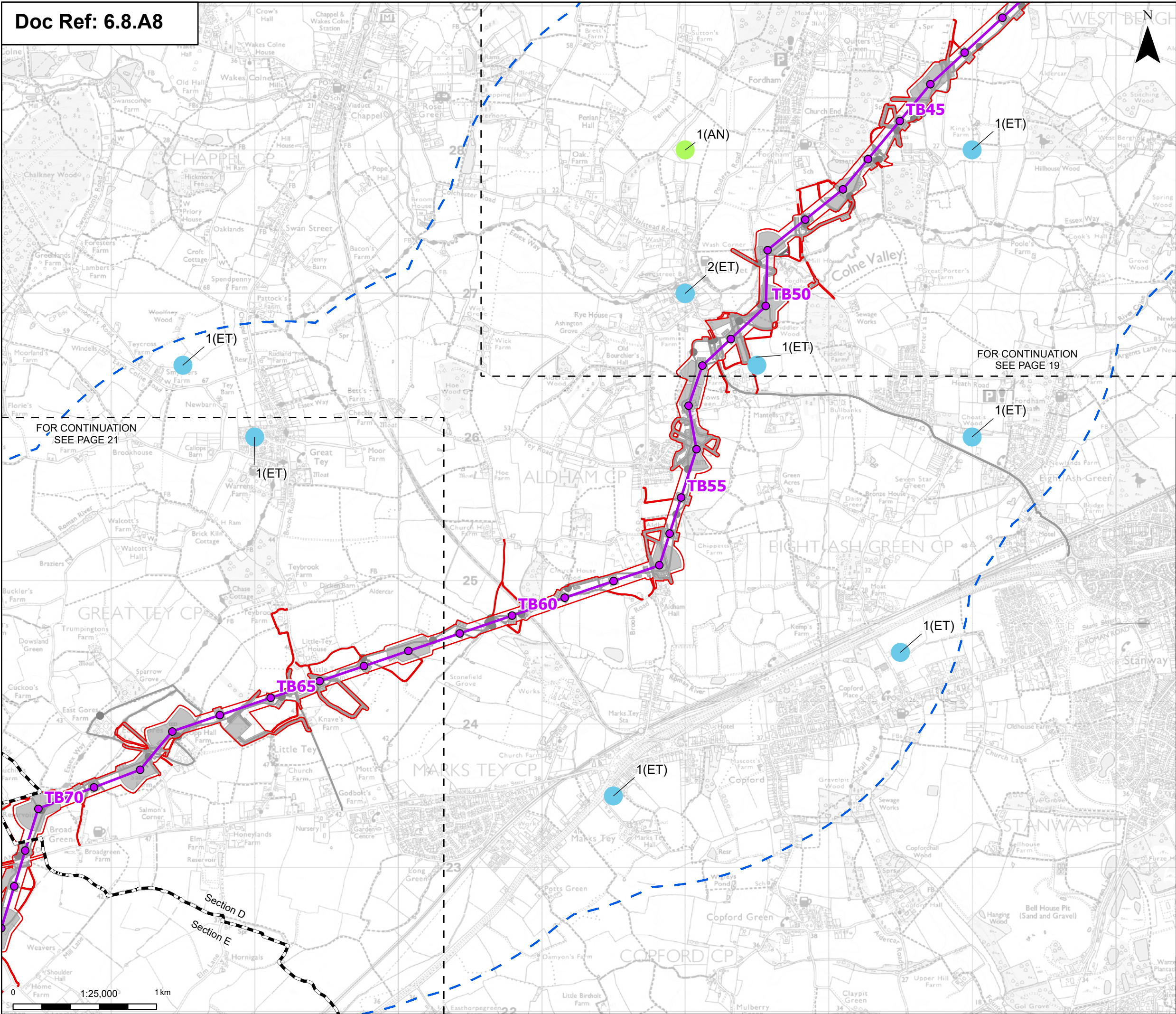
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
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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-00323	A



Order limits

Sheet index cutline

Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

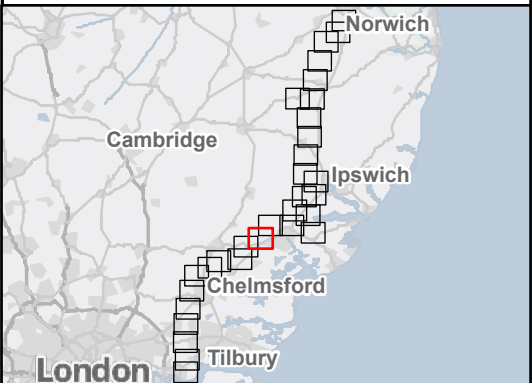
Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

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

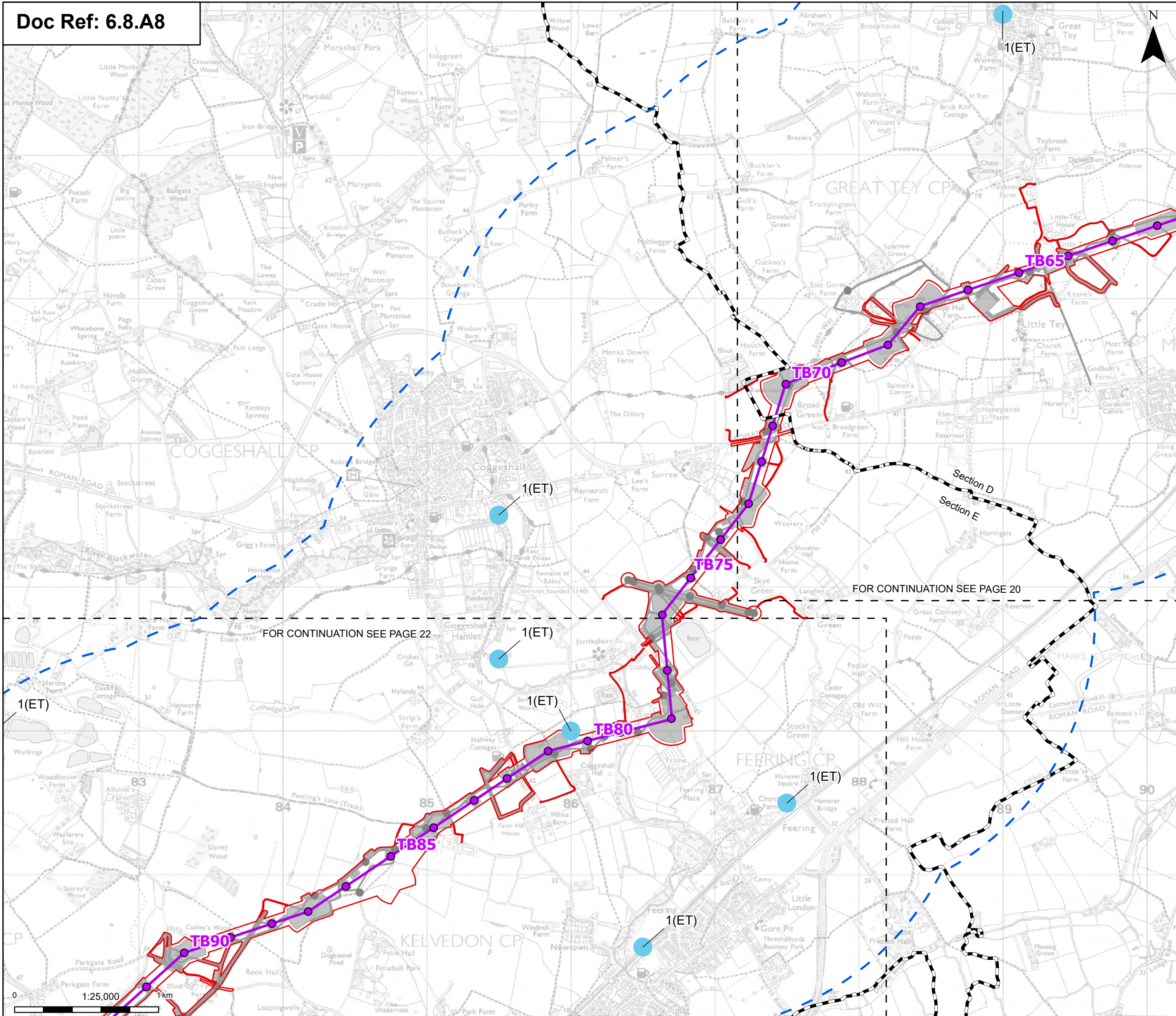
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Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
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Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

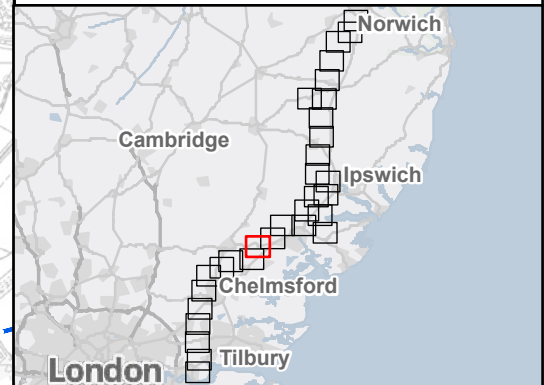
Drawing Number:
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Revision:
A



-  Order limits
-  Sheet index cutline
-  Project section line
- Proposed project design details**
-  Proposed standard lattice pylon location
-  Proposed overhead line alignment
-  Environmental mitigation
-  Other temporary and permanent construction and operational works
- Discipline specific constraints**
-  2 km Study Area
- Collision risk target species - Bitterns Herons, Stalks Spoonbills & Egret total alignment (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

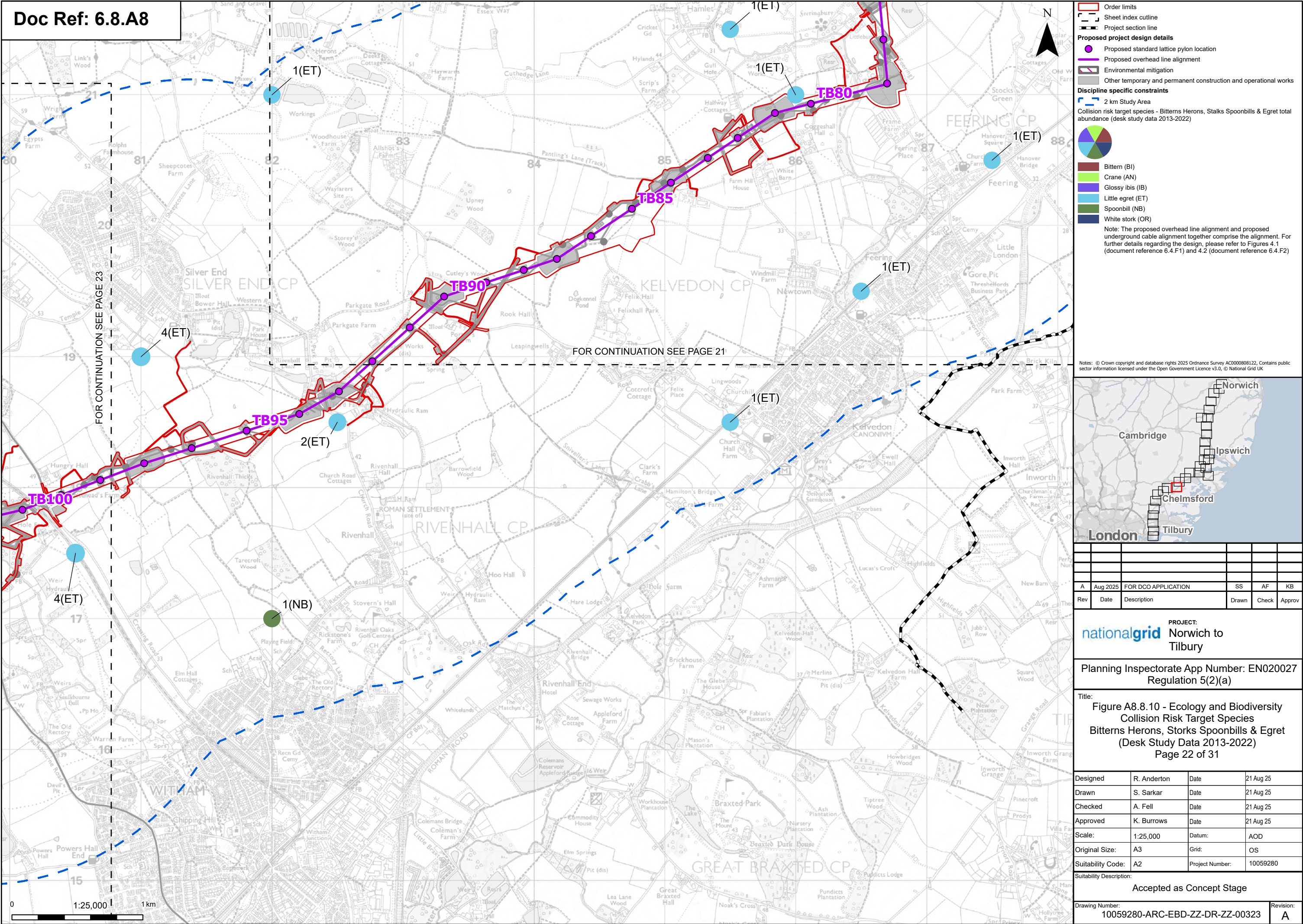
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Regulation 5(2)(a)

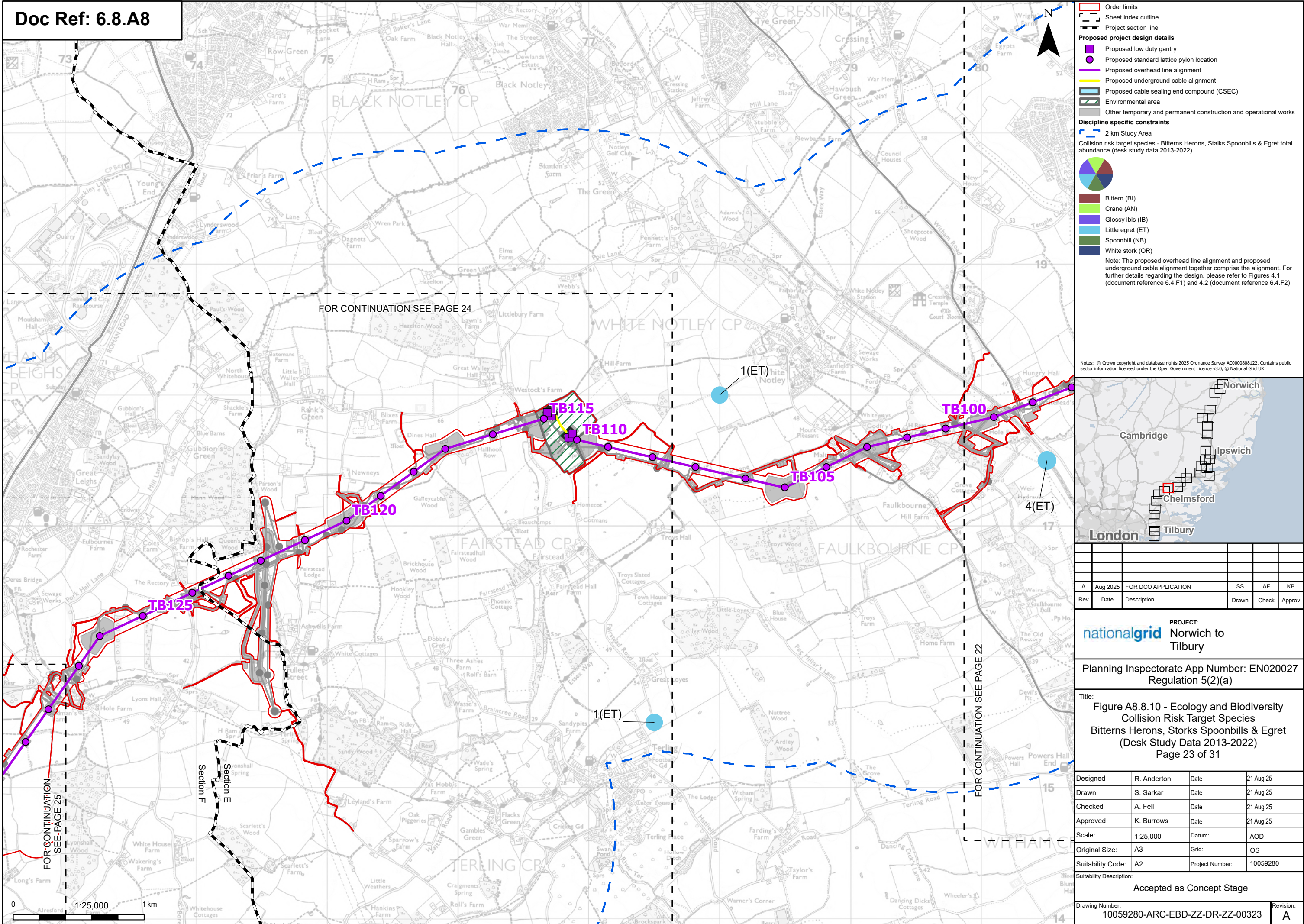
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Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
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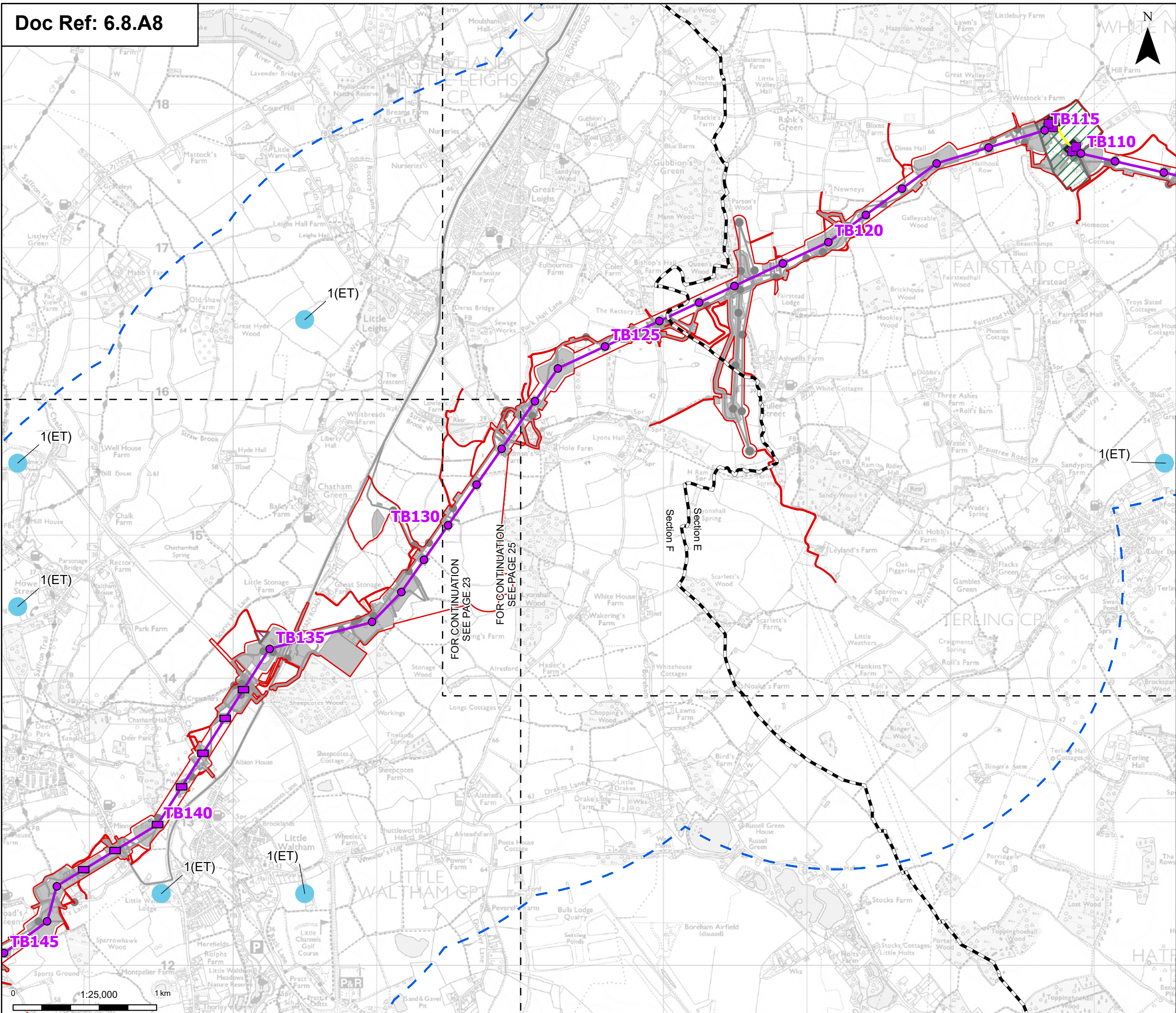
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Approved	K. Burrows	Date	21 Aug 25
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Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00323	Revision: A
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Order limits

- Sheet index cutline
- Project section line

Proposed project design details

- Proposed low duty gantry
- 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

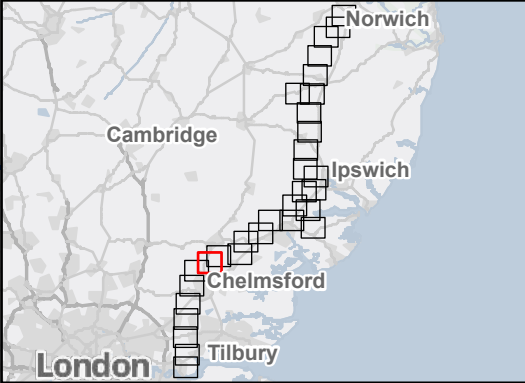
Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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:
nationalgrid Norwich to Tilbury

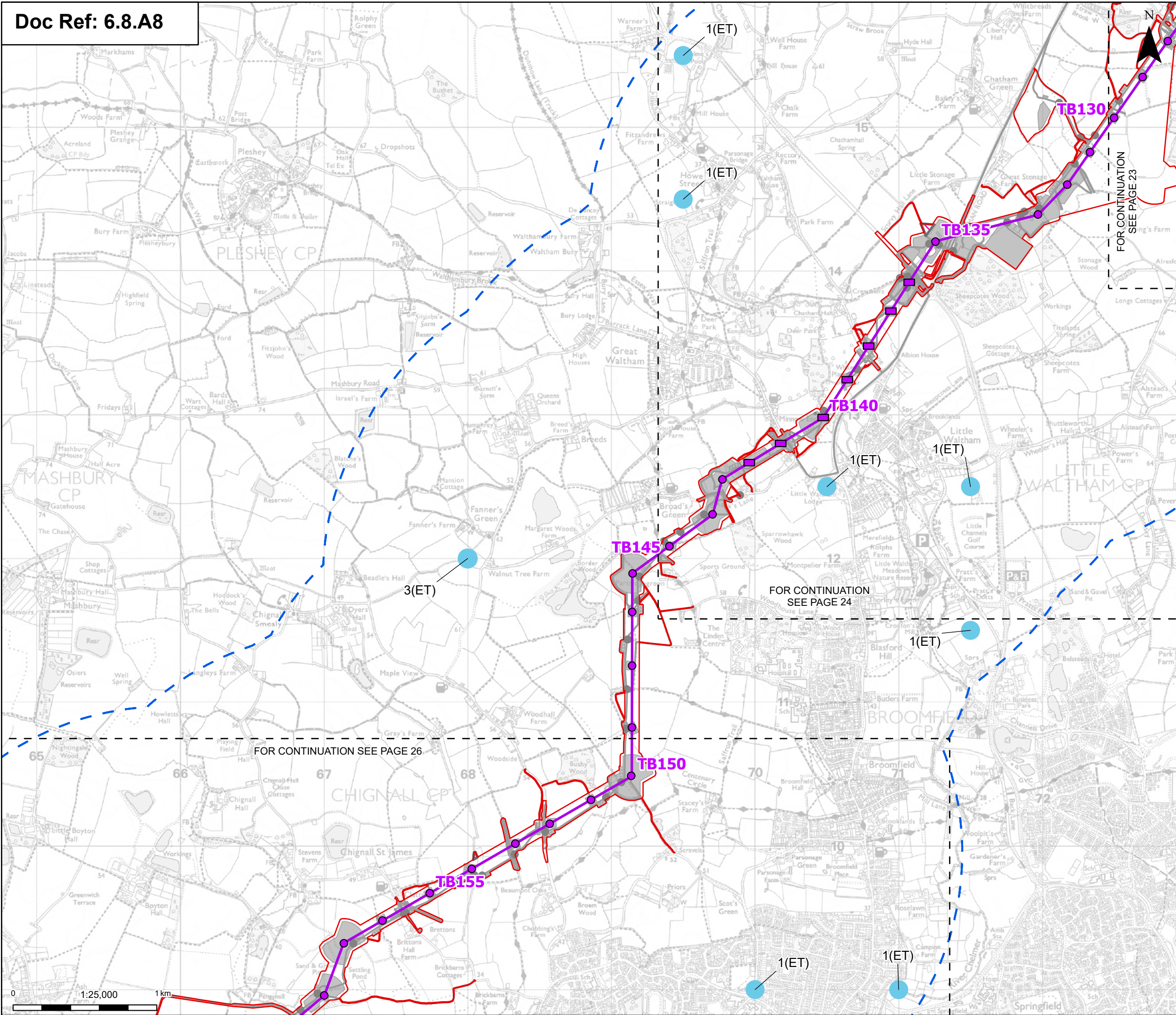
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Regulation 5(2)(a)

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

Suitability Description:
Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00323	Revision:	A
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Order limits

Sheet index cutline

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)

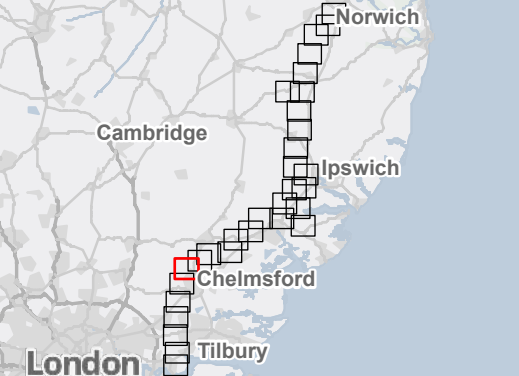
Little egret (ET)

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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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to
Tilbury

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

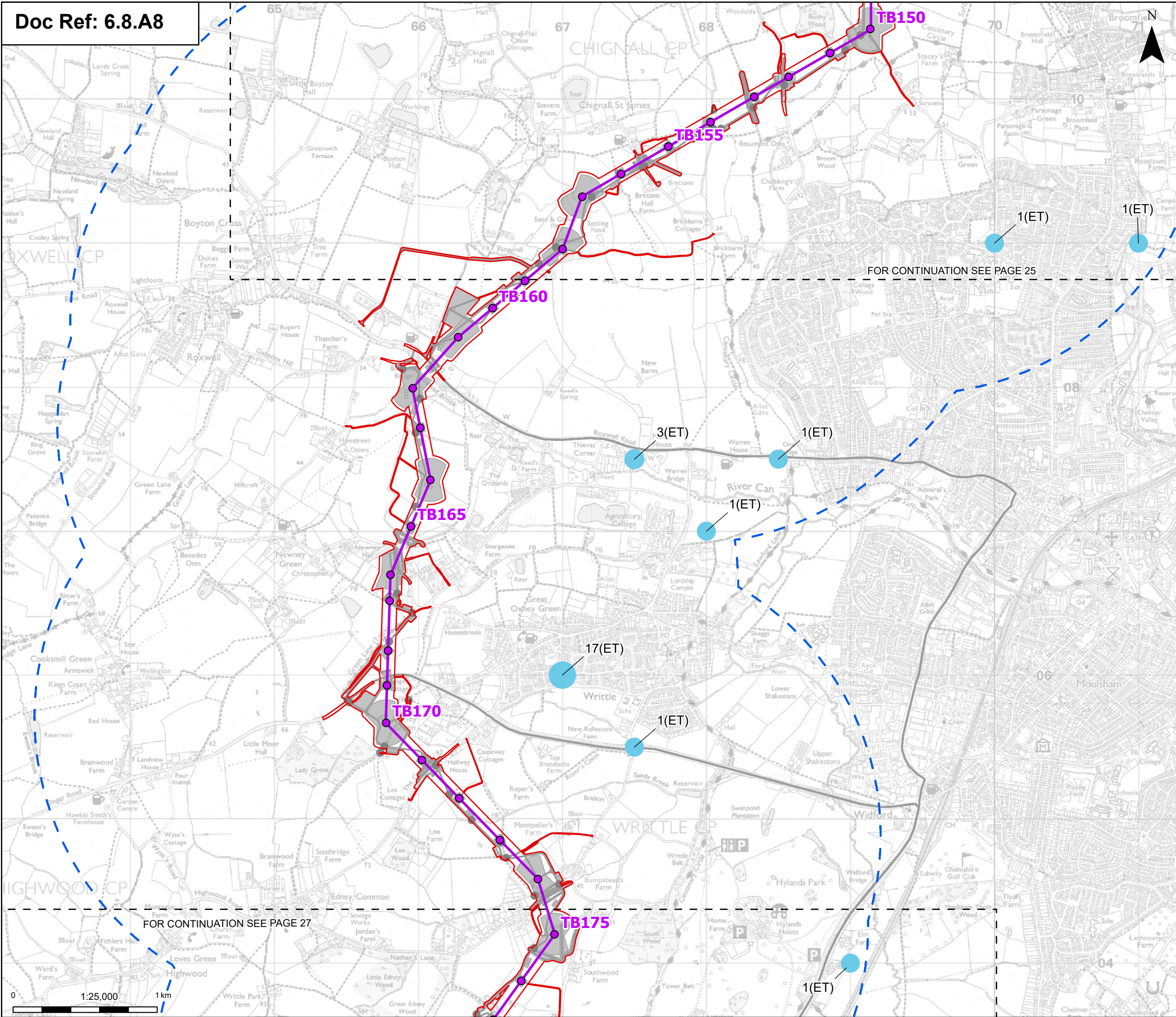
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Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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10059280-ARC-EBD-ZZ-DR-ZZ-00323

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A



Order limits

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

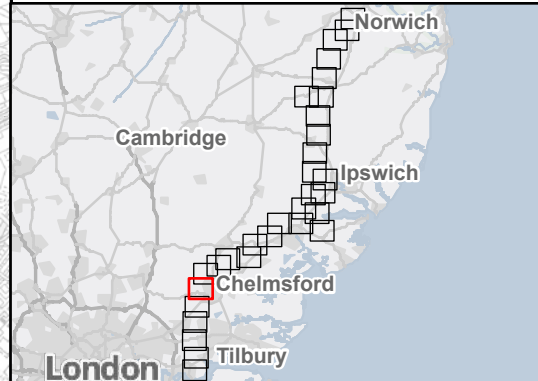
Discipline specific constraints

- 2 km Study Area

Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret 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

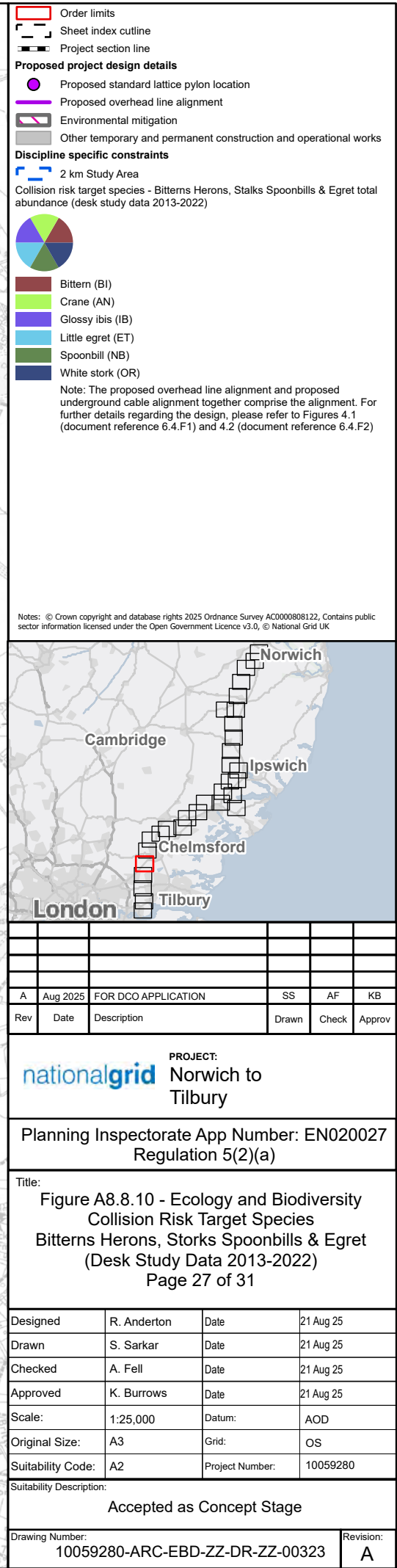
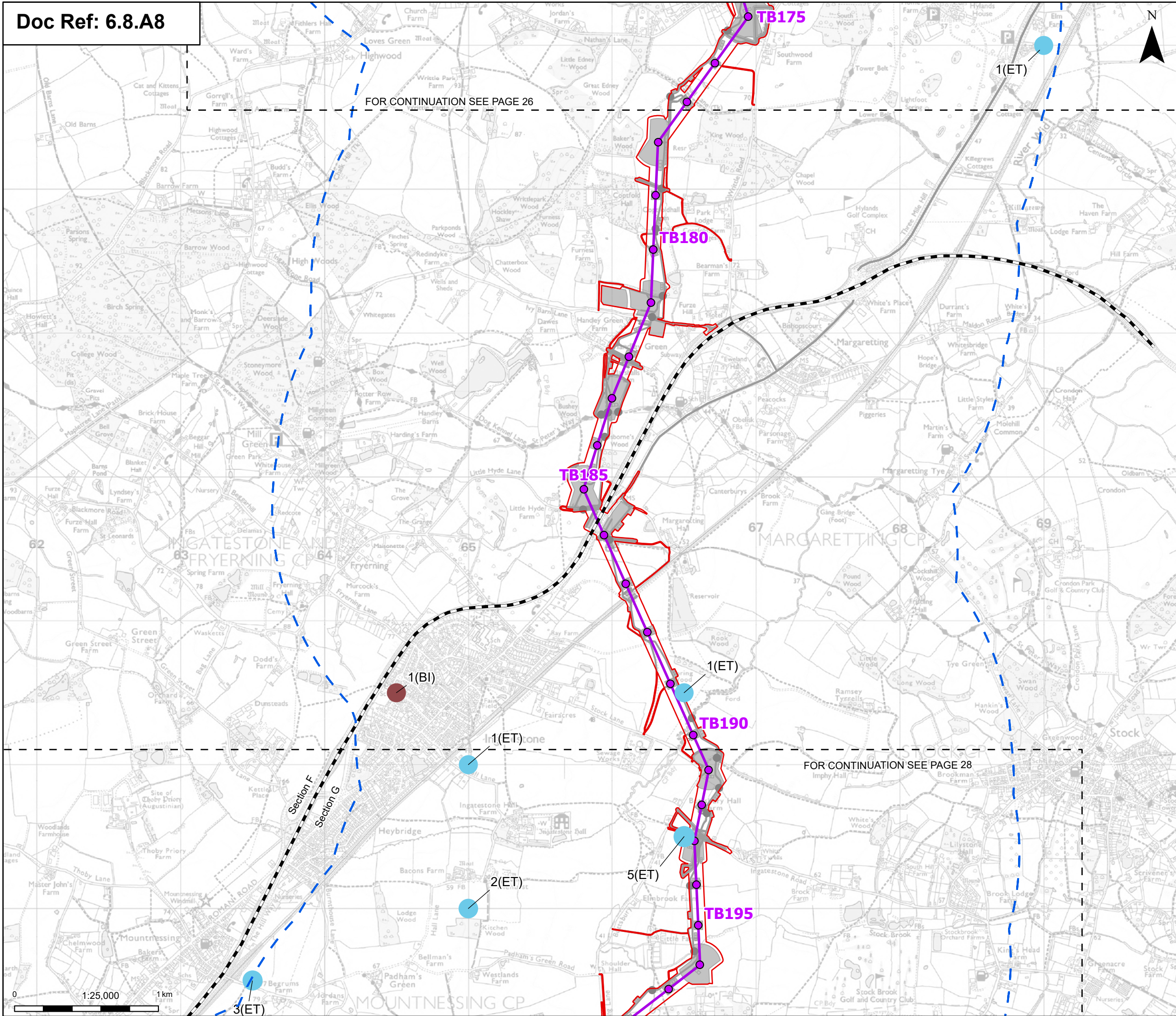
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Regulation 5(2)(a)

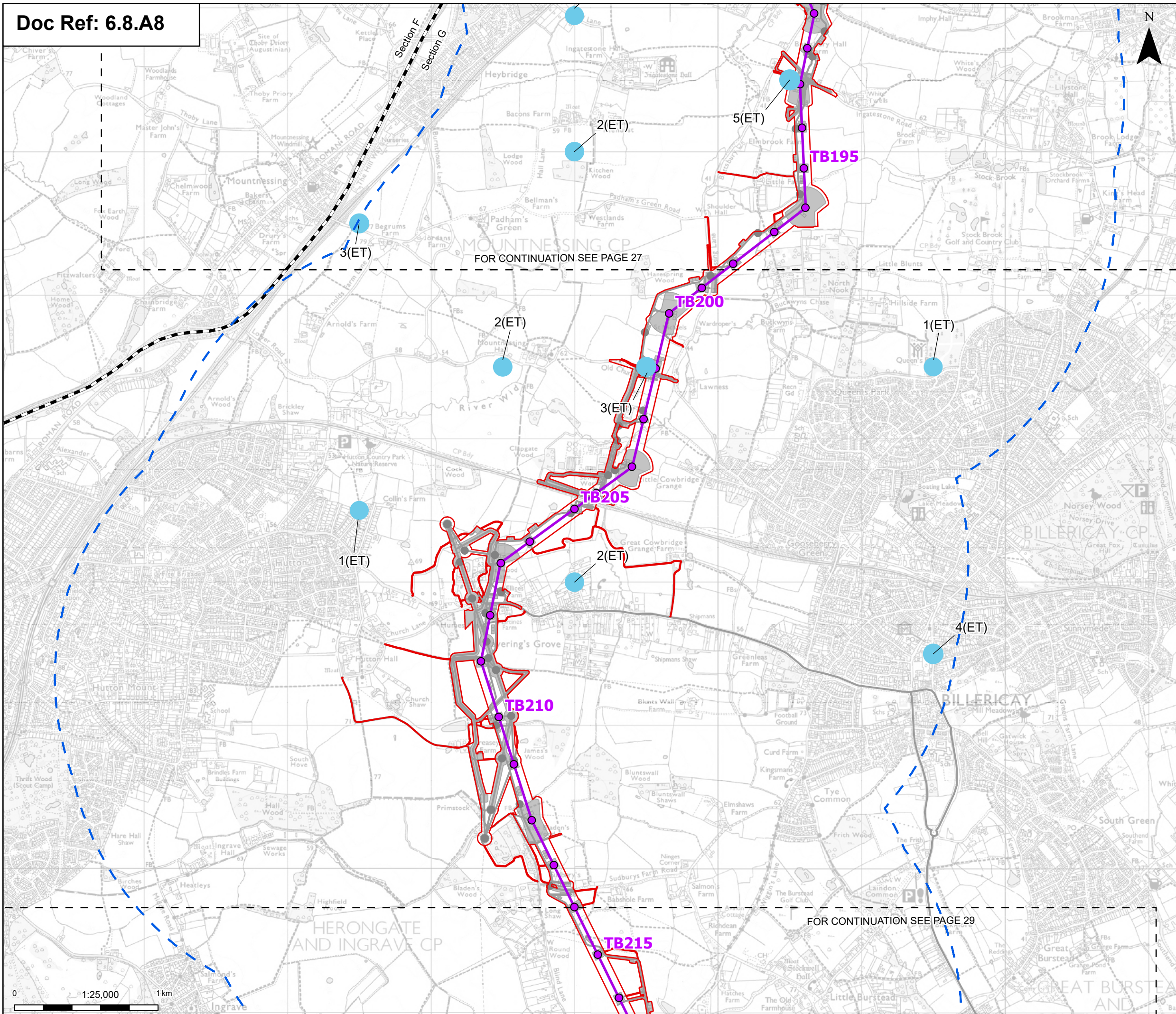
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Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	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

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00323	Revision: A
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Order limits

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Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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)

Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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

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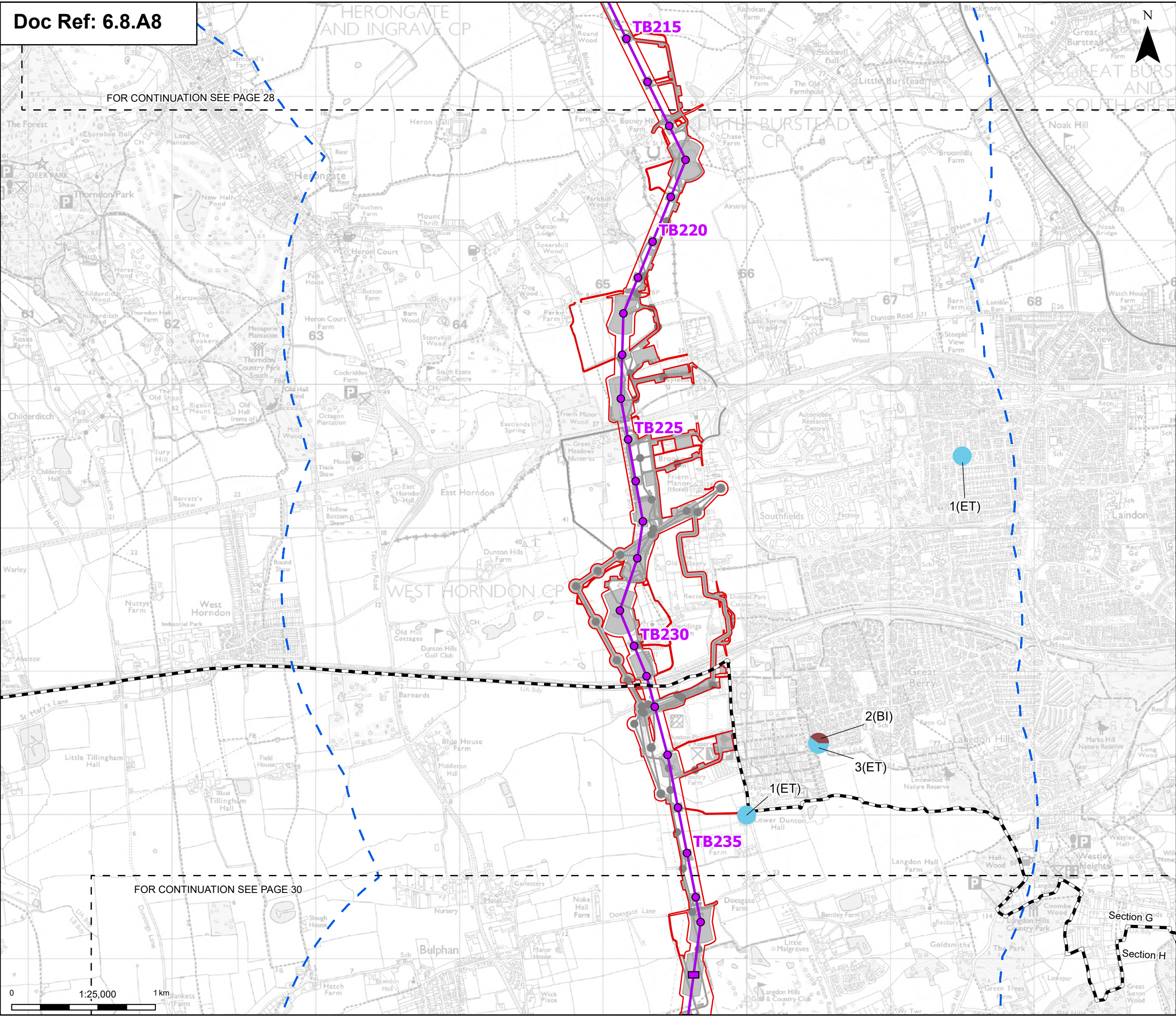
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			
Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00323			Revision: A

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FOR CONTINUATION SEE PAGE 28

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Project section line

Proposed project design details

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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:

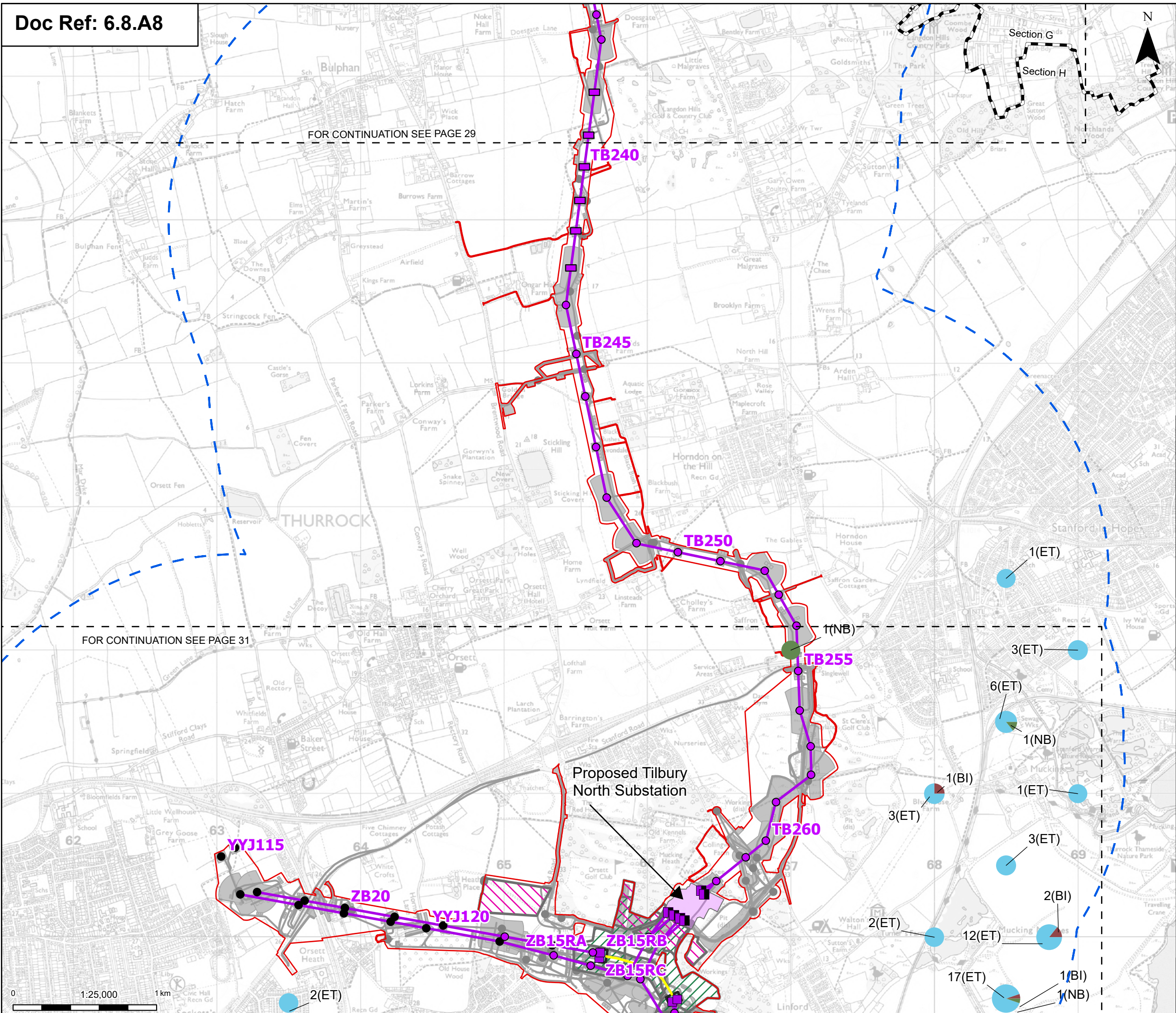
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Designed	R. Anderton	Date	21 Aug 25
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Drawing Number:			Revision:
10059280-ARC-EBD-ZZ-DR-ZZ-00323			A

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Order limits

- Order limits
- Sheet index cutline
- 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 - 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)

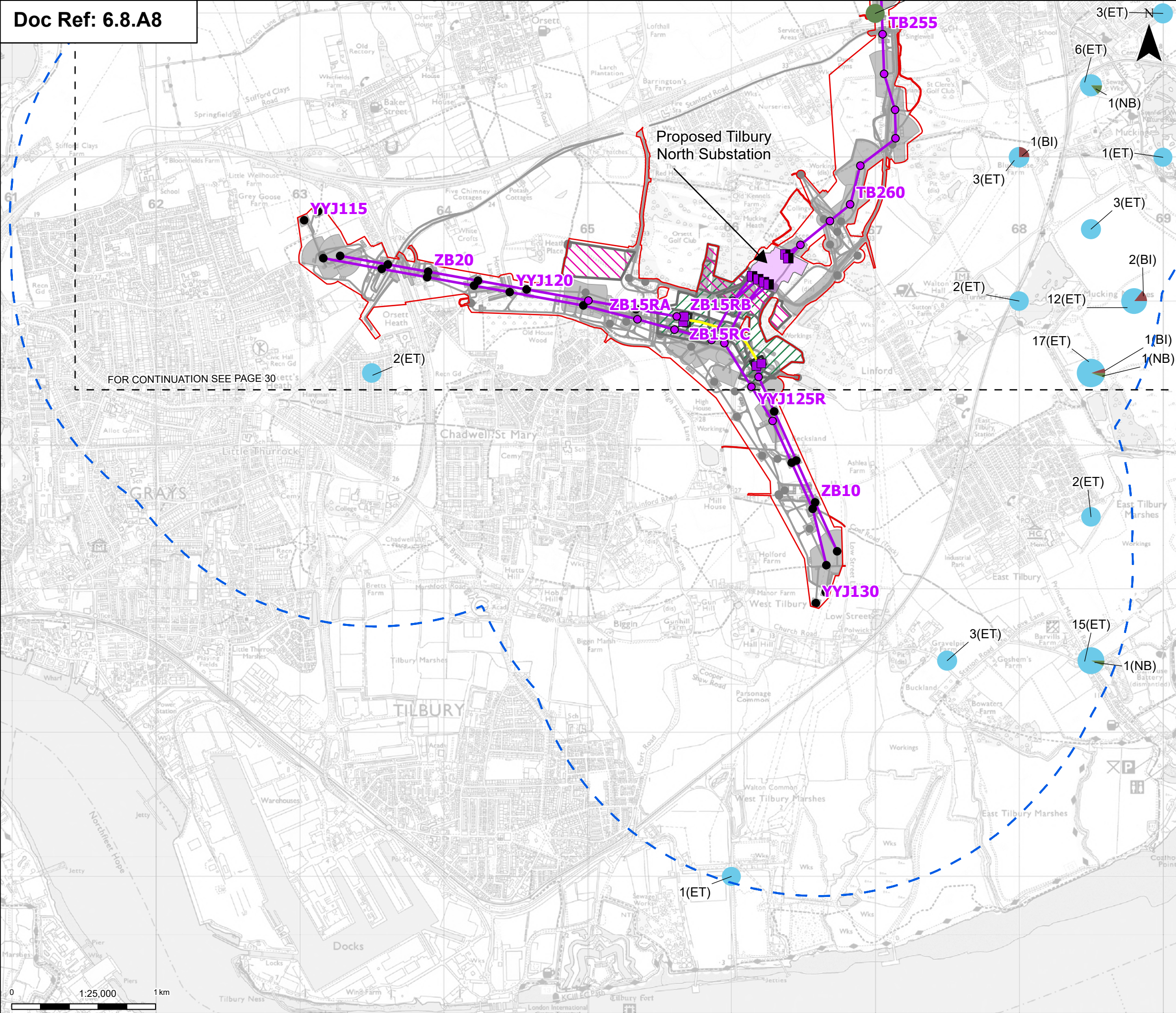
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Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00323

Revision:
A



Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed low duty gantry

Existing pylon (modify)

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed Tilbury North Substation

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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)

A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB
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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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Designed	R. Anderton	Date	21 Aug 25
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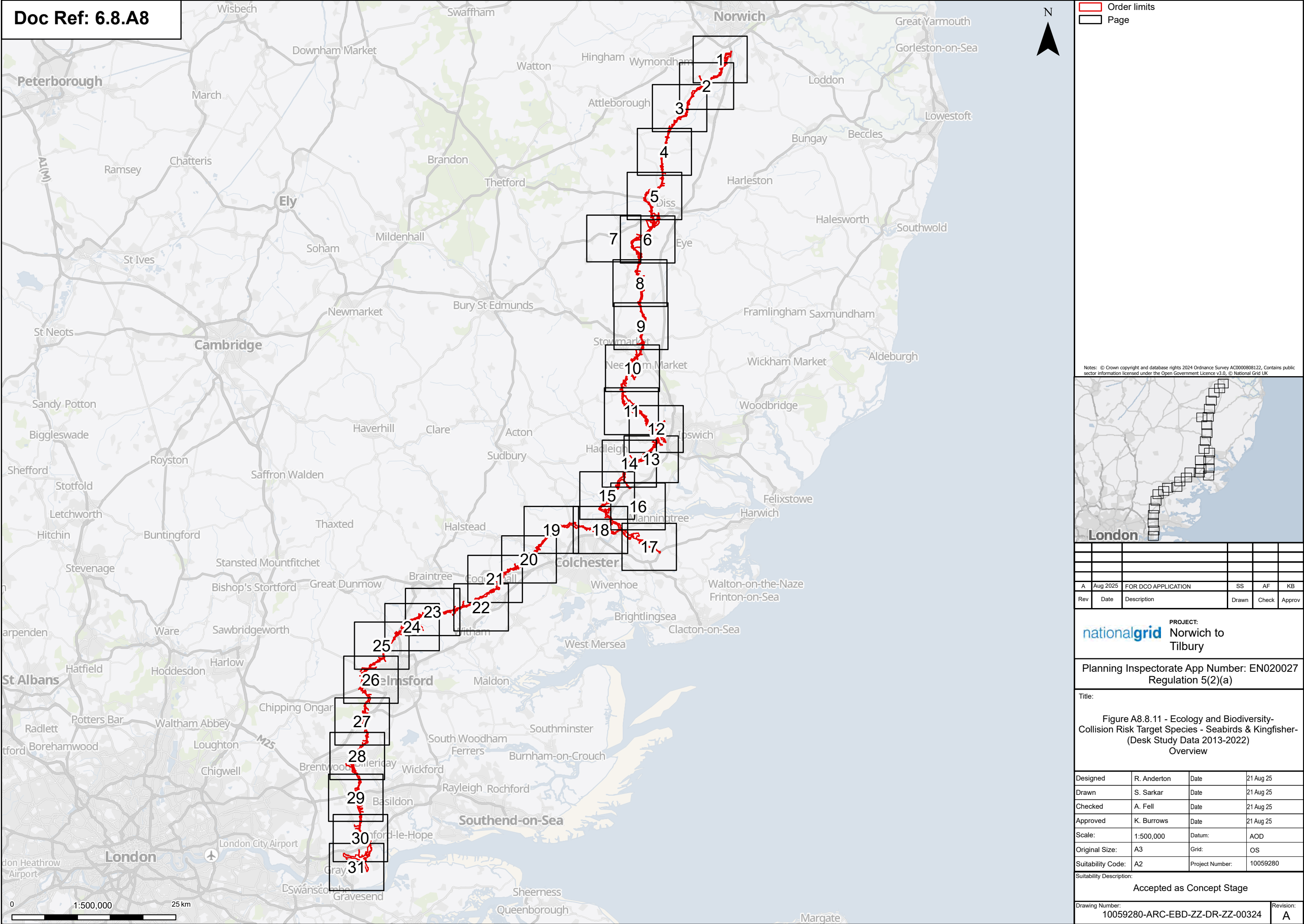
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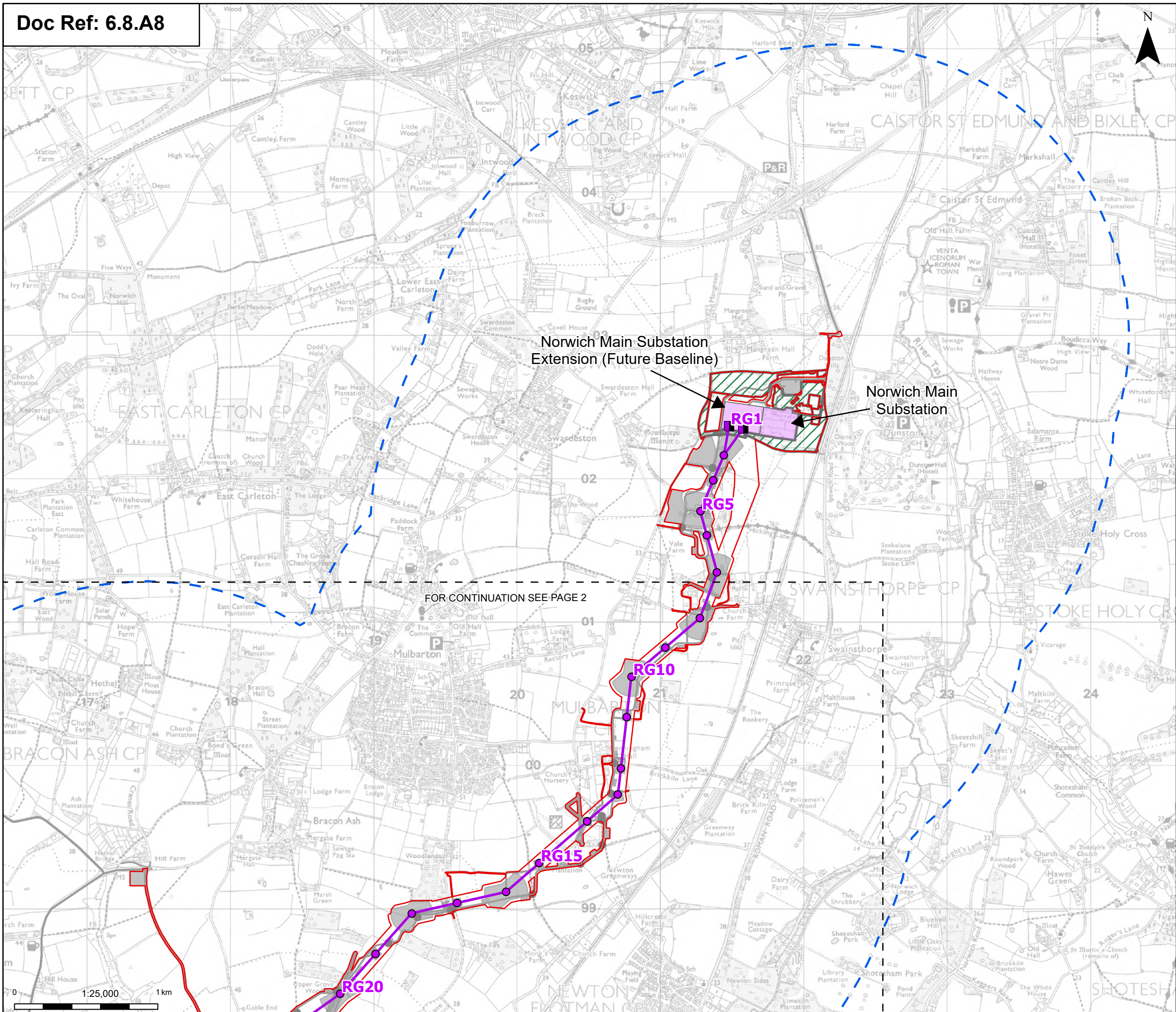
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Order limits

Sheet index outline

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

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

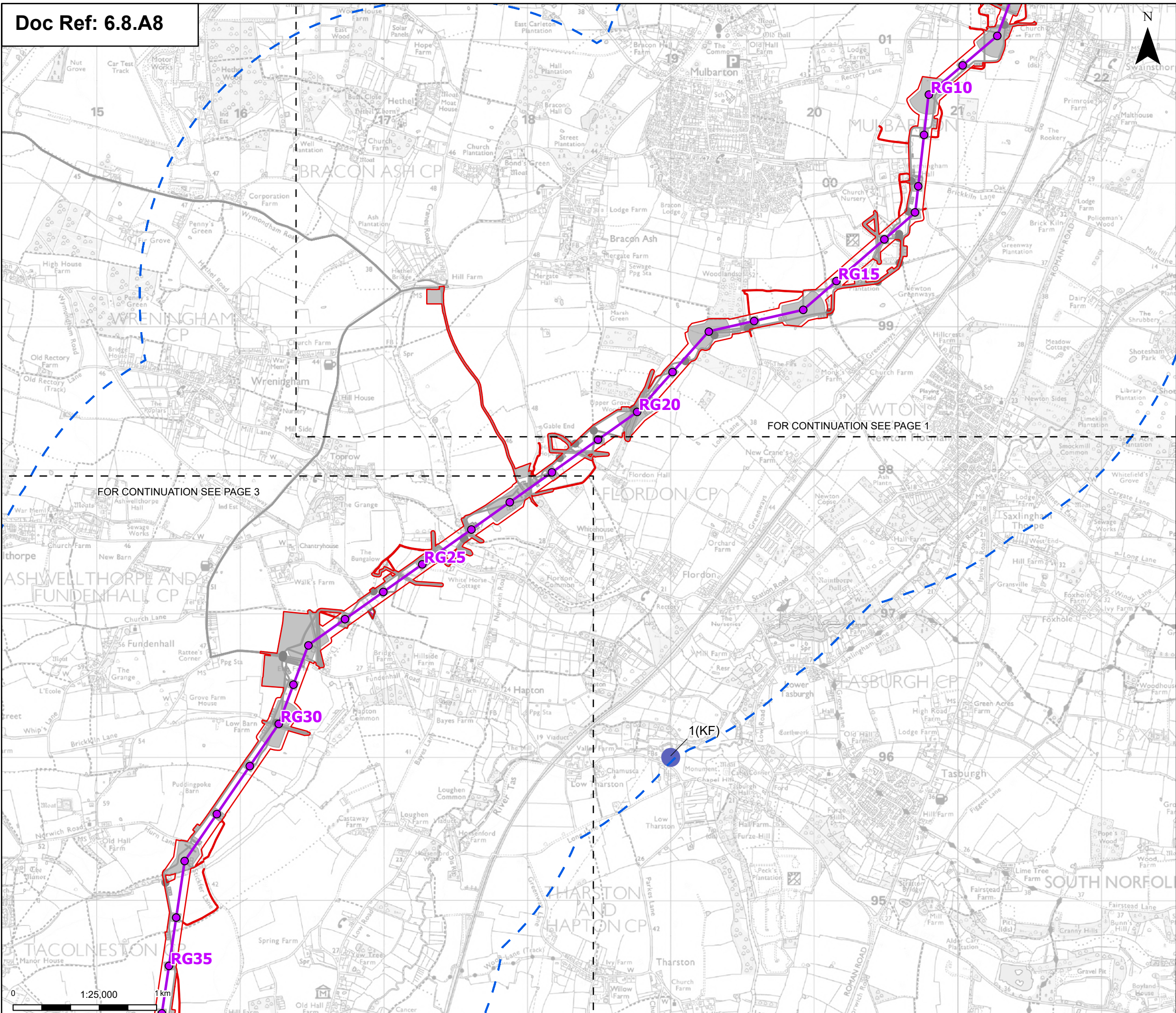
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Regulation 5(2)(a)

Title:
Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
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Suitability Description:
Accepted as Concept Stage

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

Sheet index outline

Proposed project design details

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

Discipline specific constraints

2 km Study Area

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

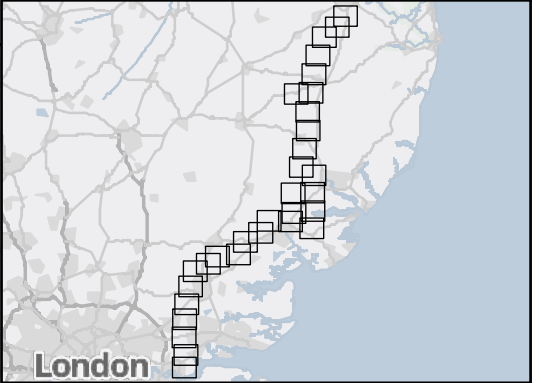
Arctic skua (AC)

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**

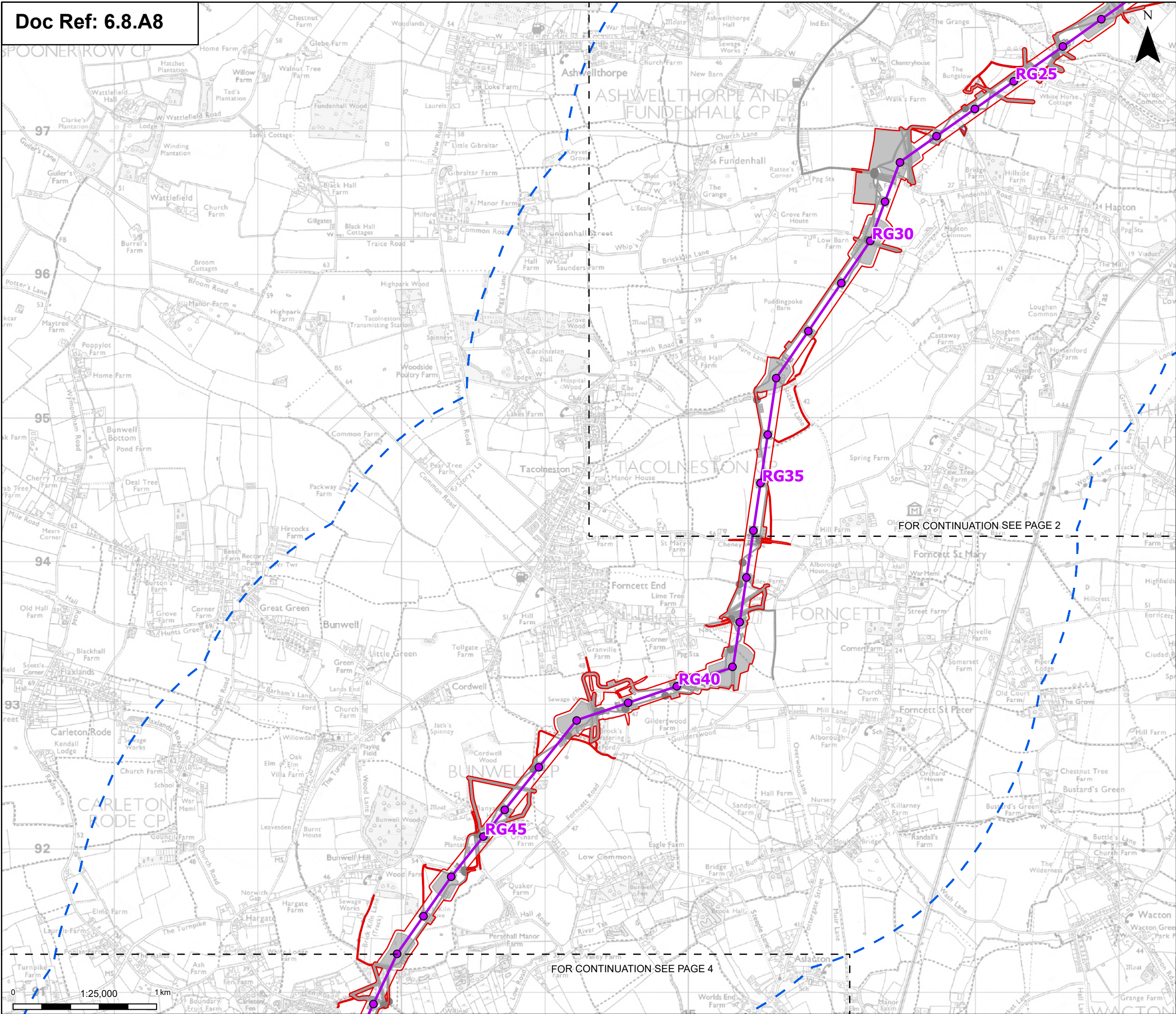
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Regulation 5(2)(a)

Title:
**Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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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-
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Suitability Description:			

Accepted as Concept Stage

Drawing Number:
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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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Scale:	1:25,000	Datum:	AOD
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Suitability Description:
Accepted as Concept Stage

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

Arctic skua (AC)

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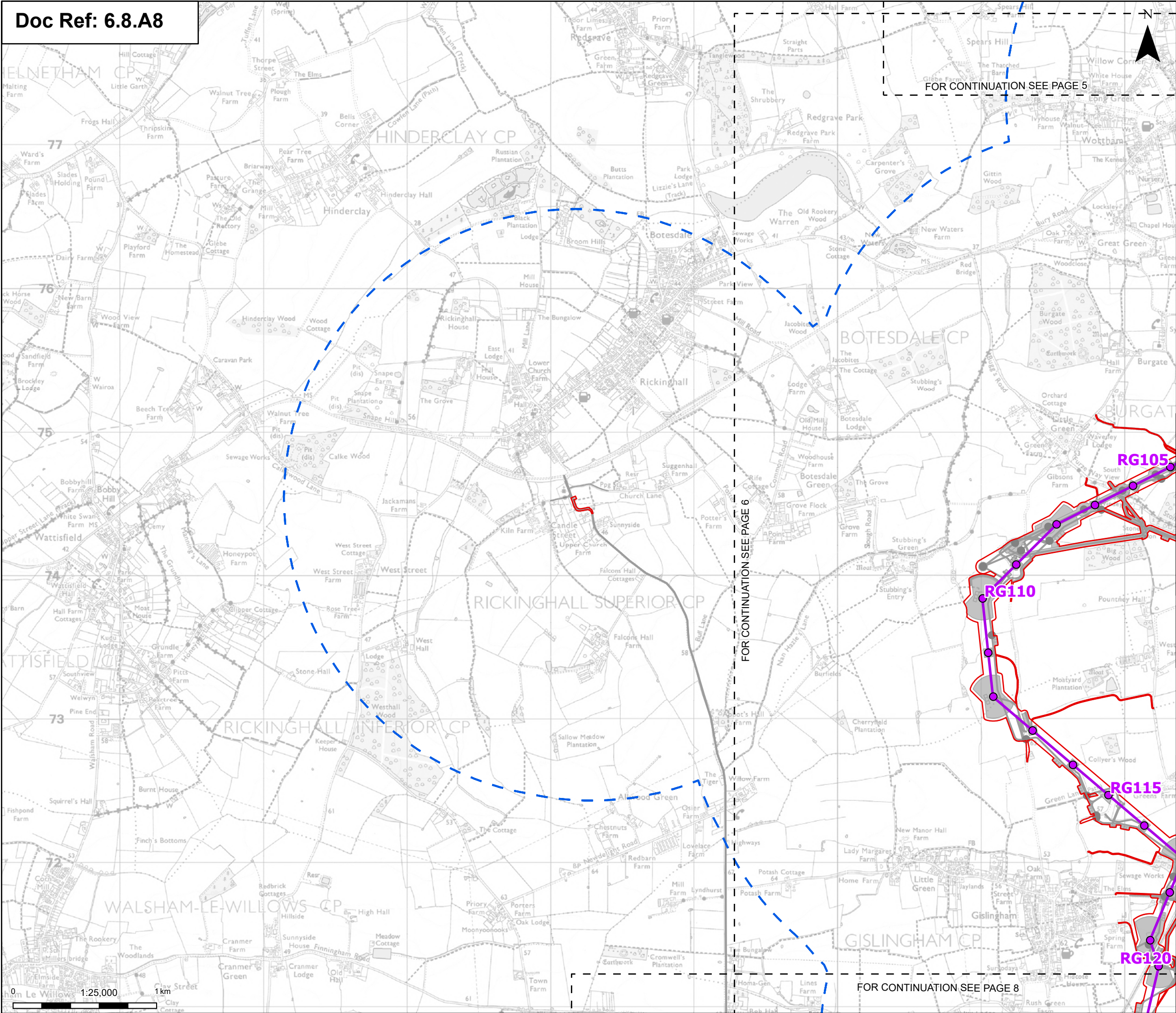
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2 km Study Area

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

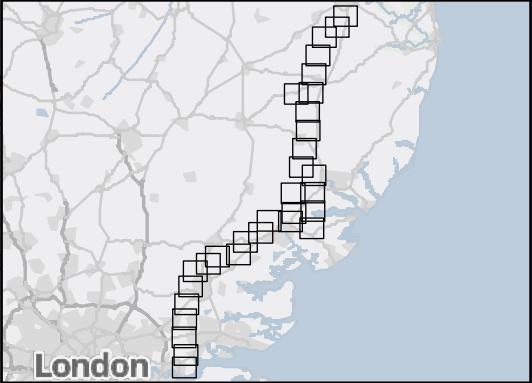
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Kingfisher (KF)

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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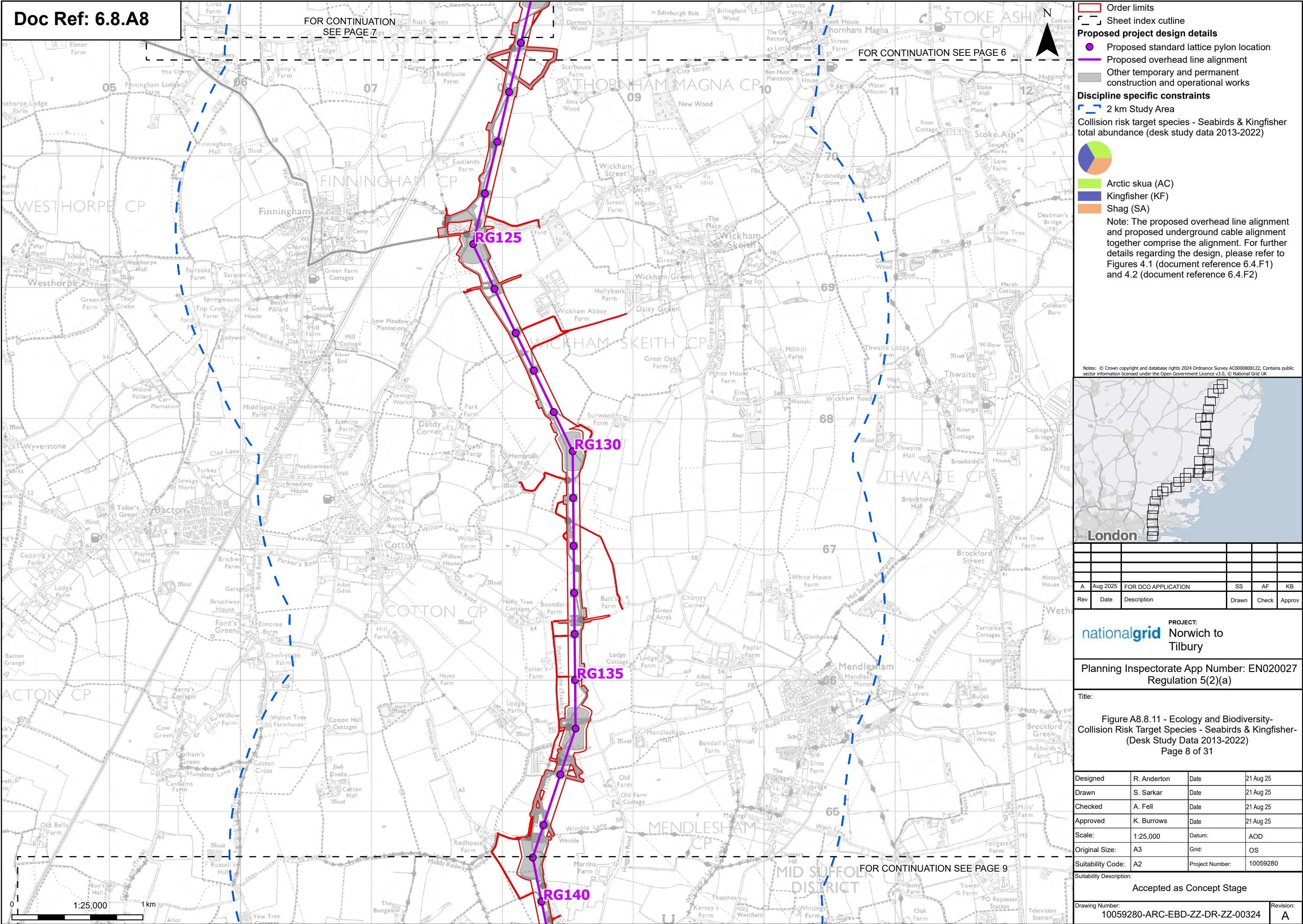
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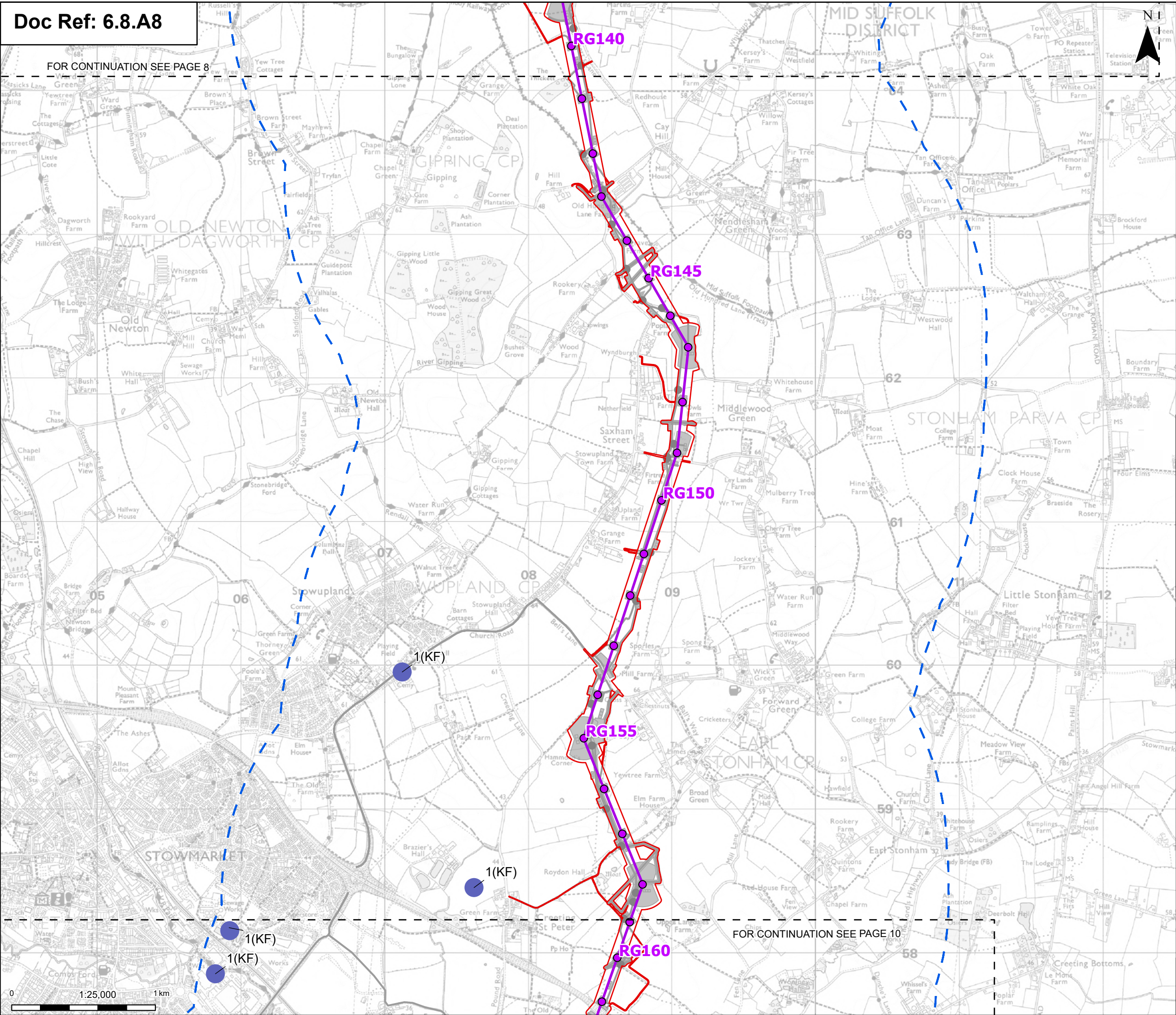
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2 km Study Area

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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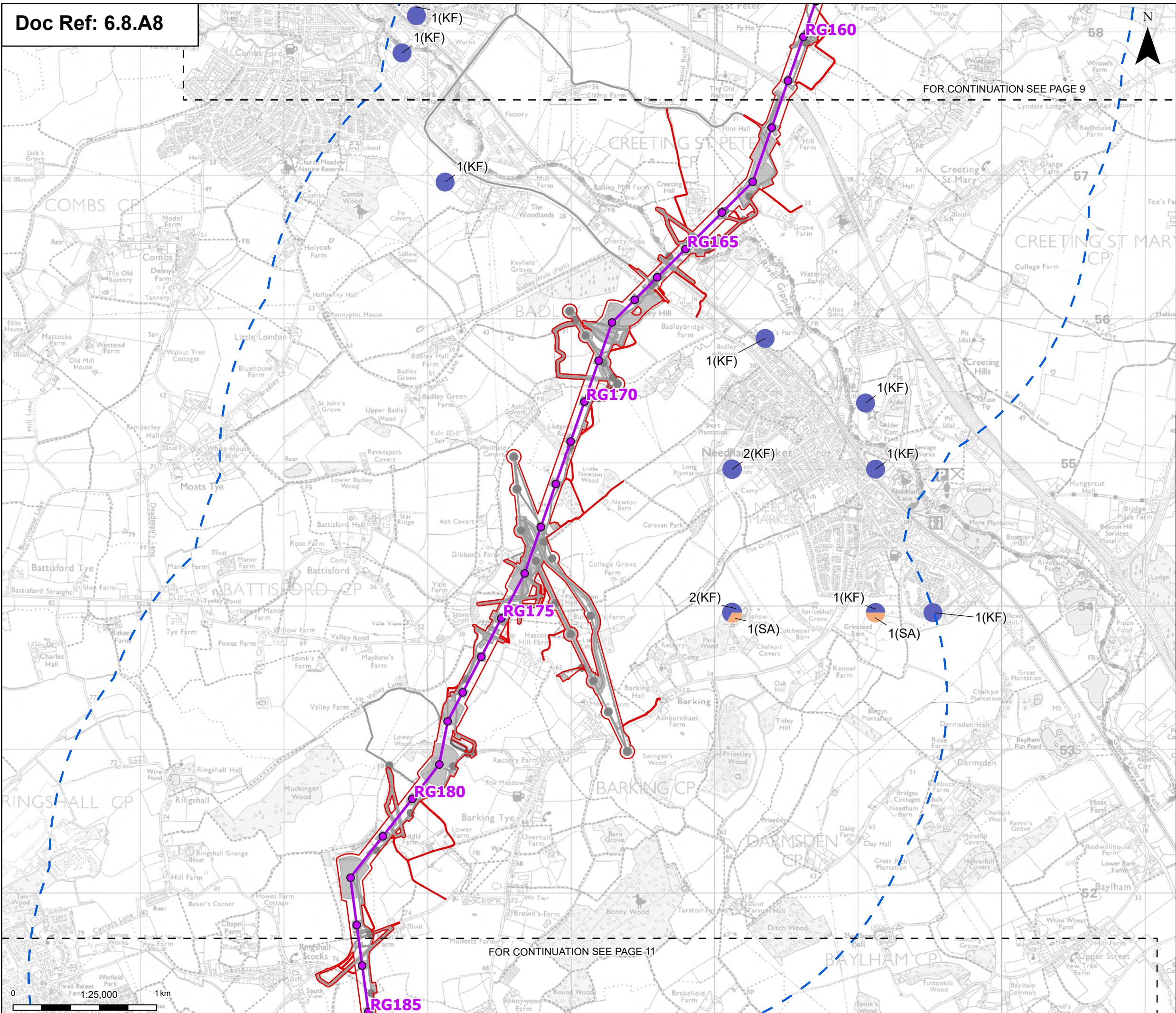
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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2 km Study Area

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

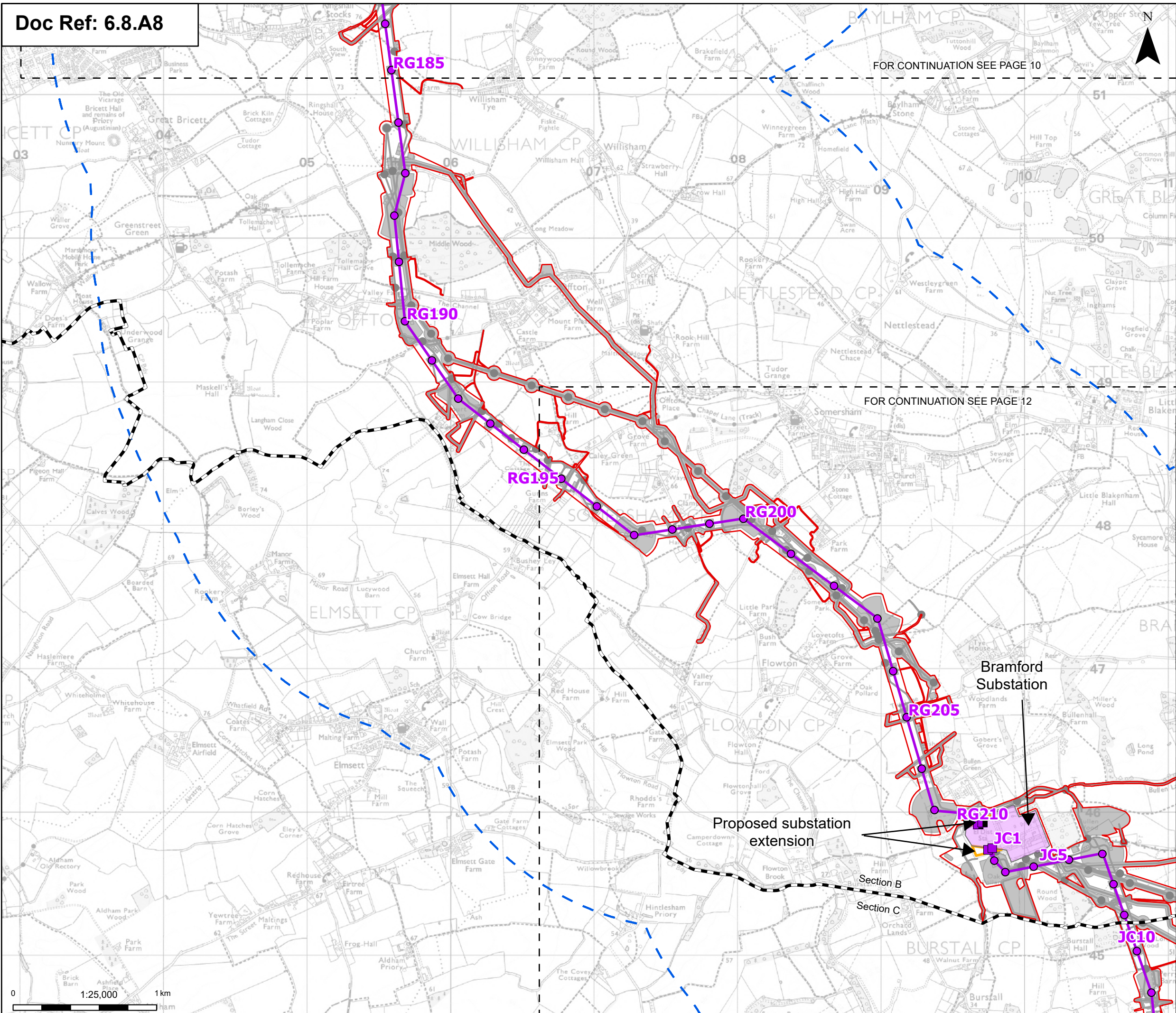
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- Bramford Substation Extension
- Other temporary and permanent construction and operational works

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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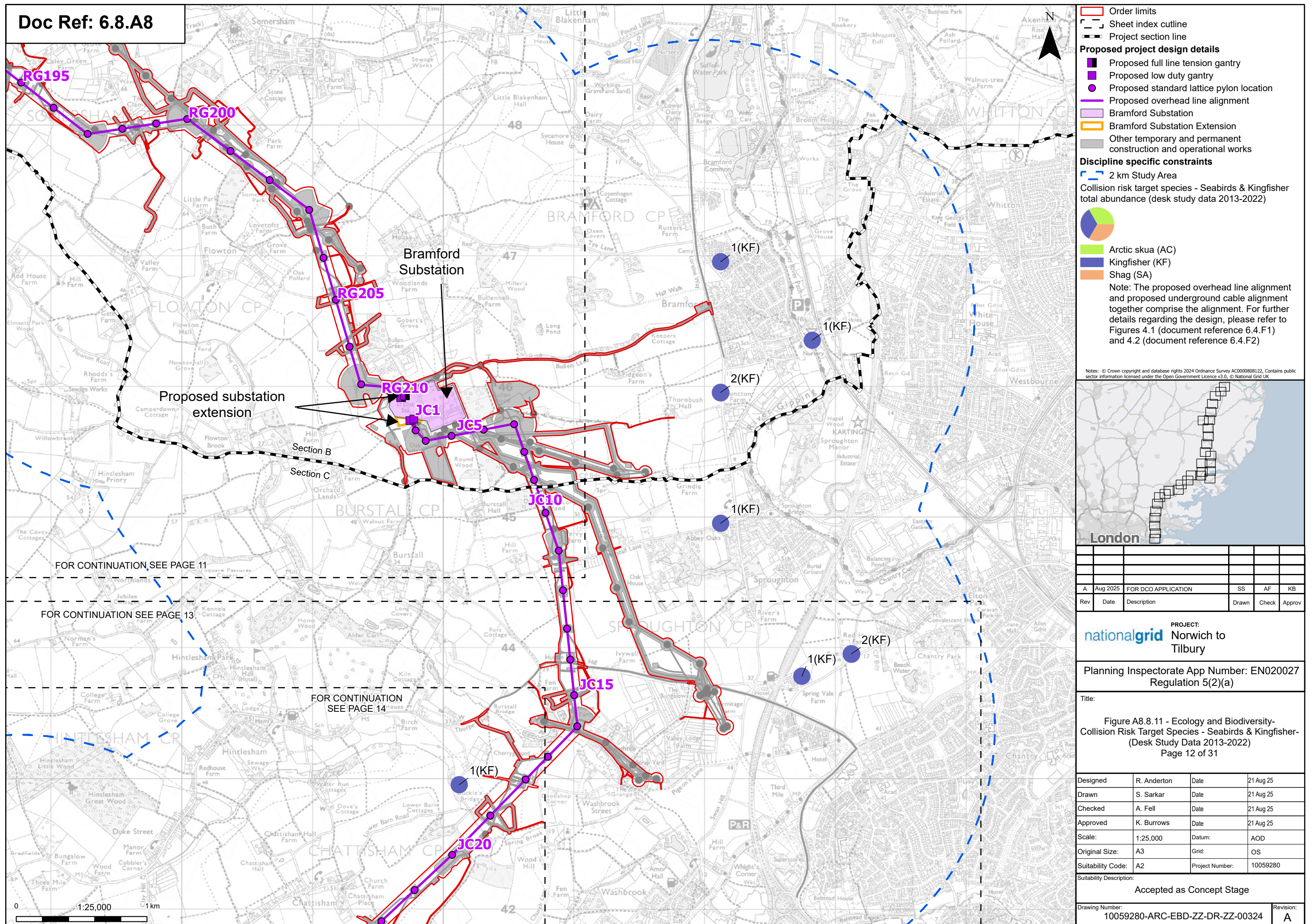
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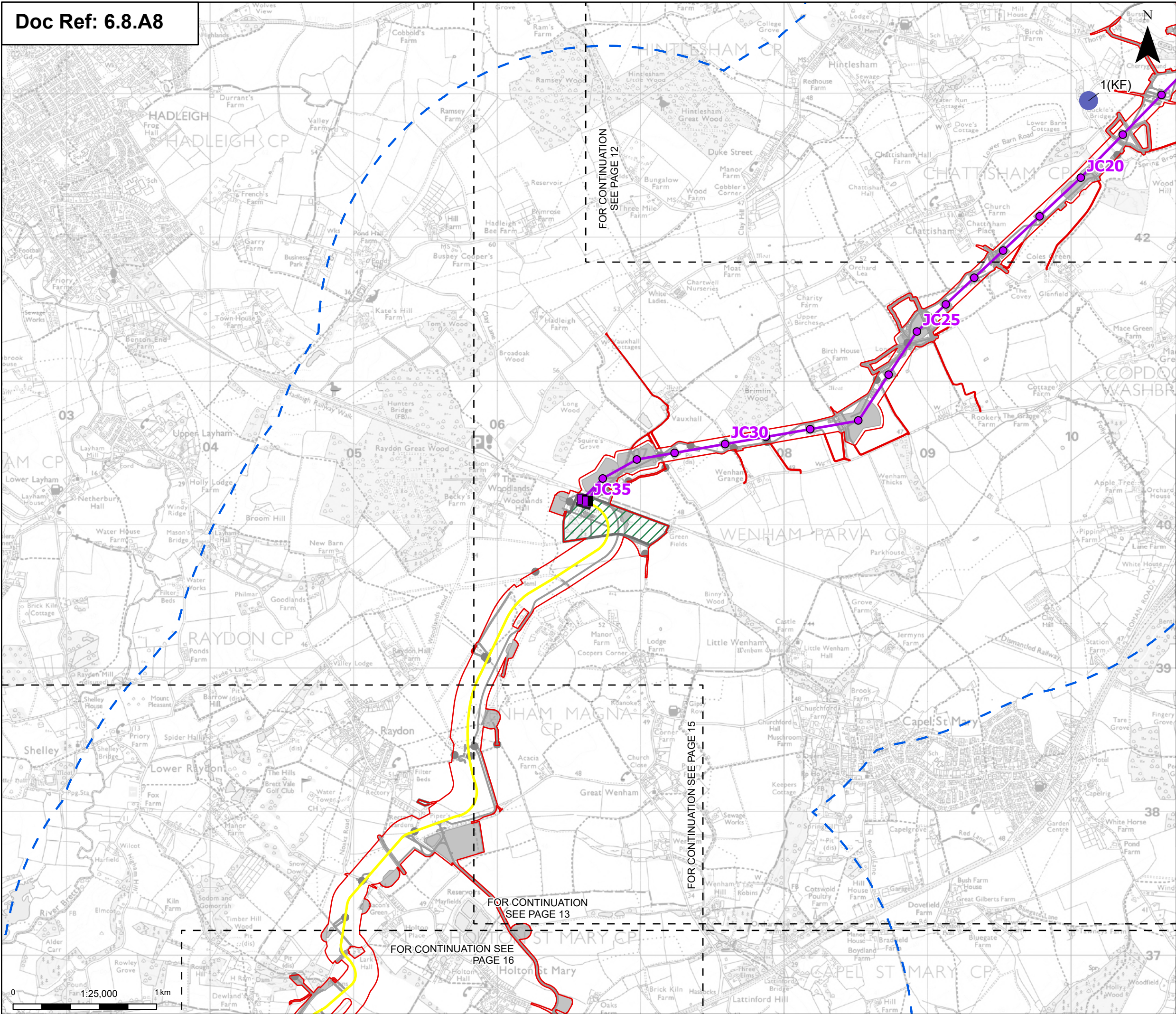
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2 km Study Area

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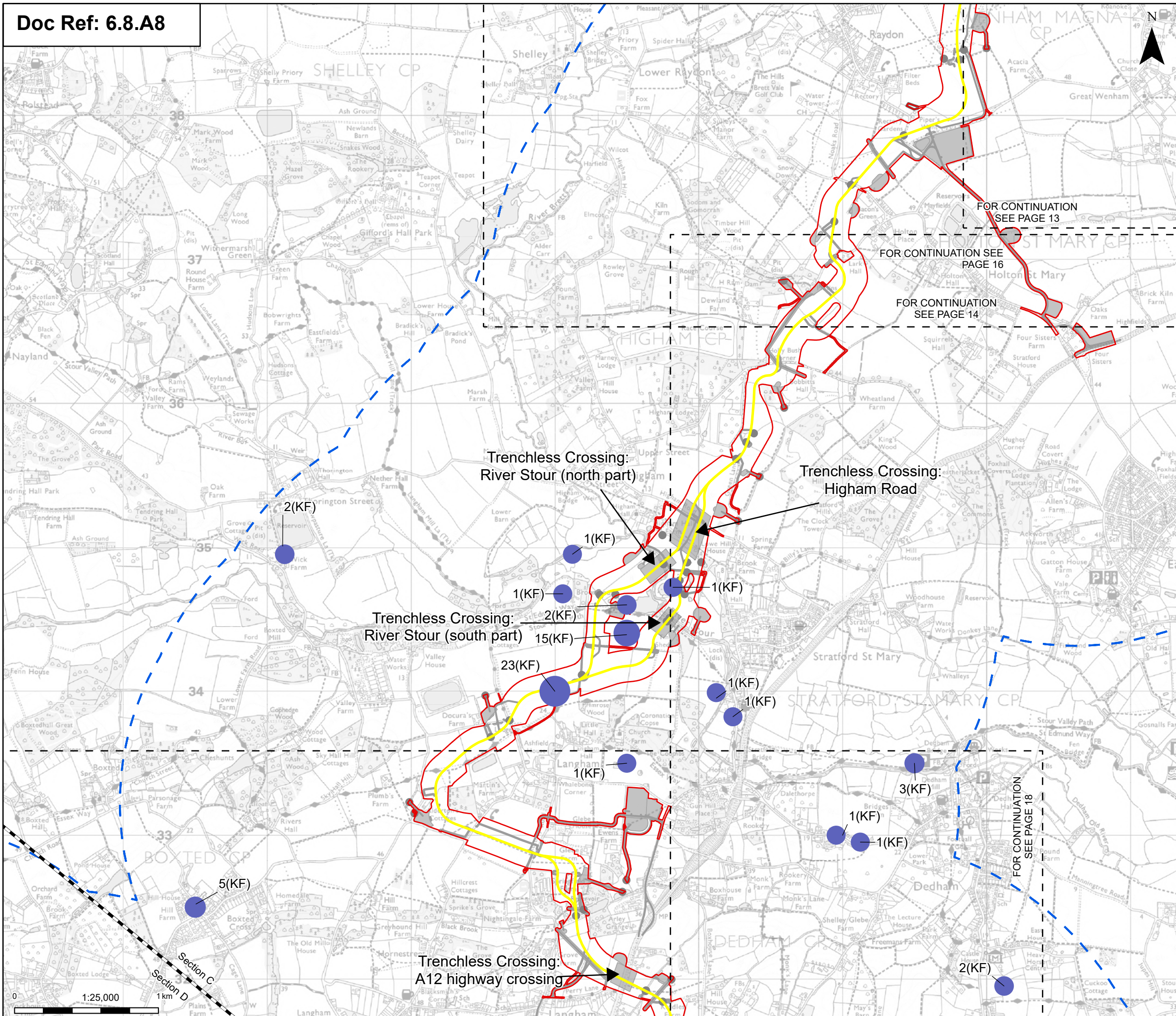
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Collision risk target species - Seabirds & Kingfisher total abundance (desk study data 2013-2022)

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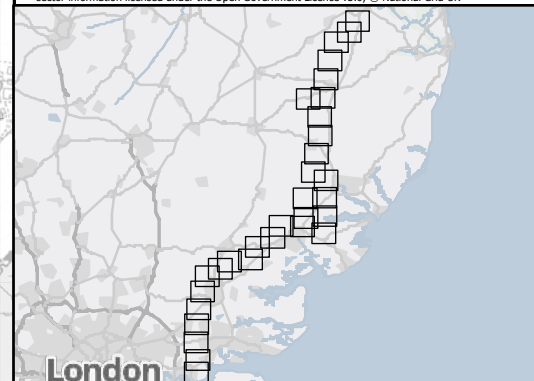
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Arctic skua (AC)
Kingfisher (KF)
Shag (SA)

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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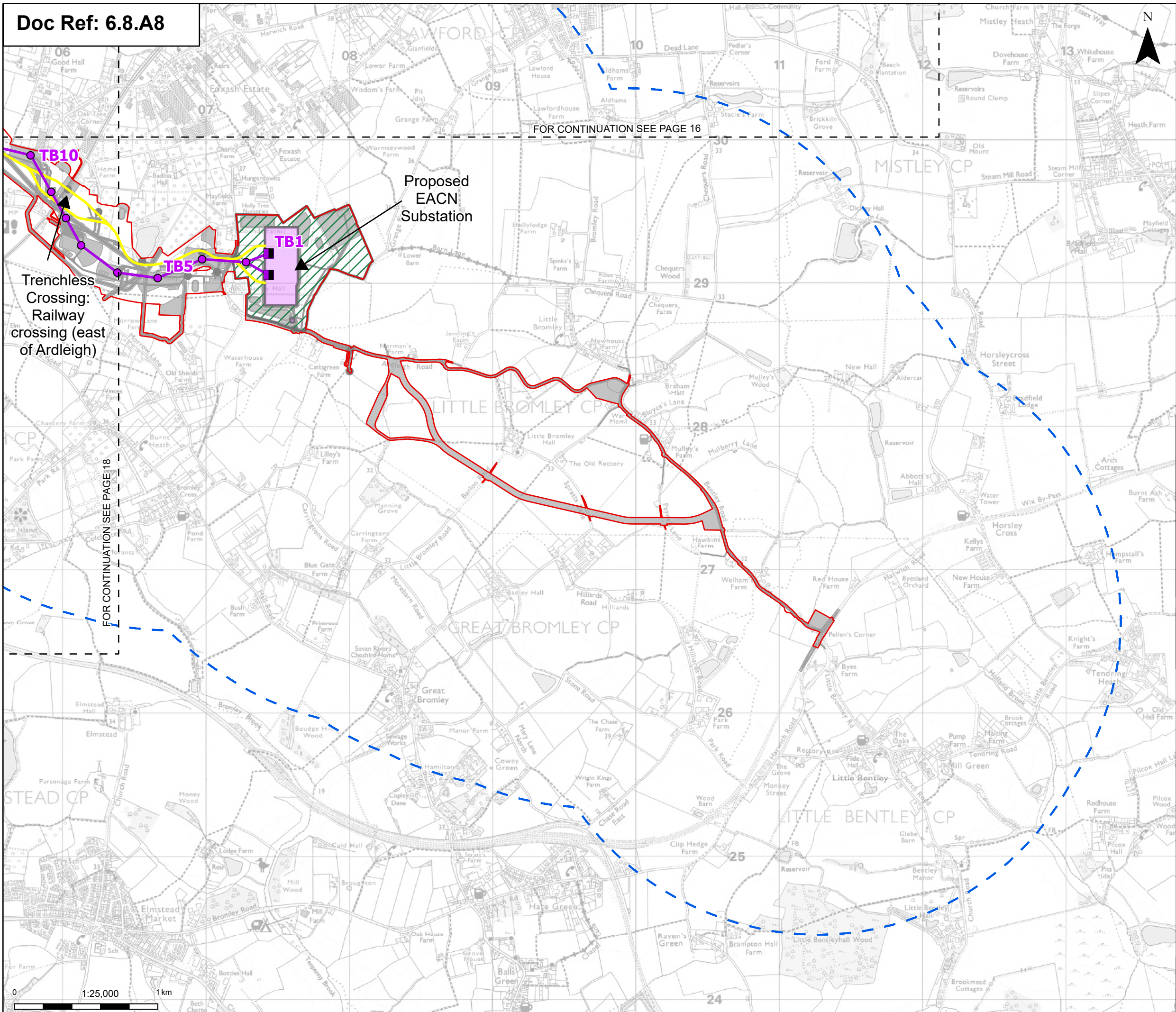
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- Other temporary and permanent construction and operational works

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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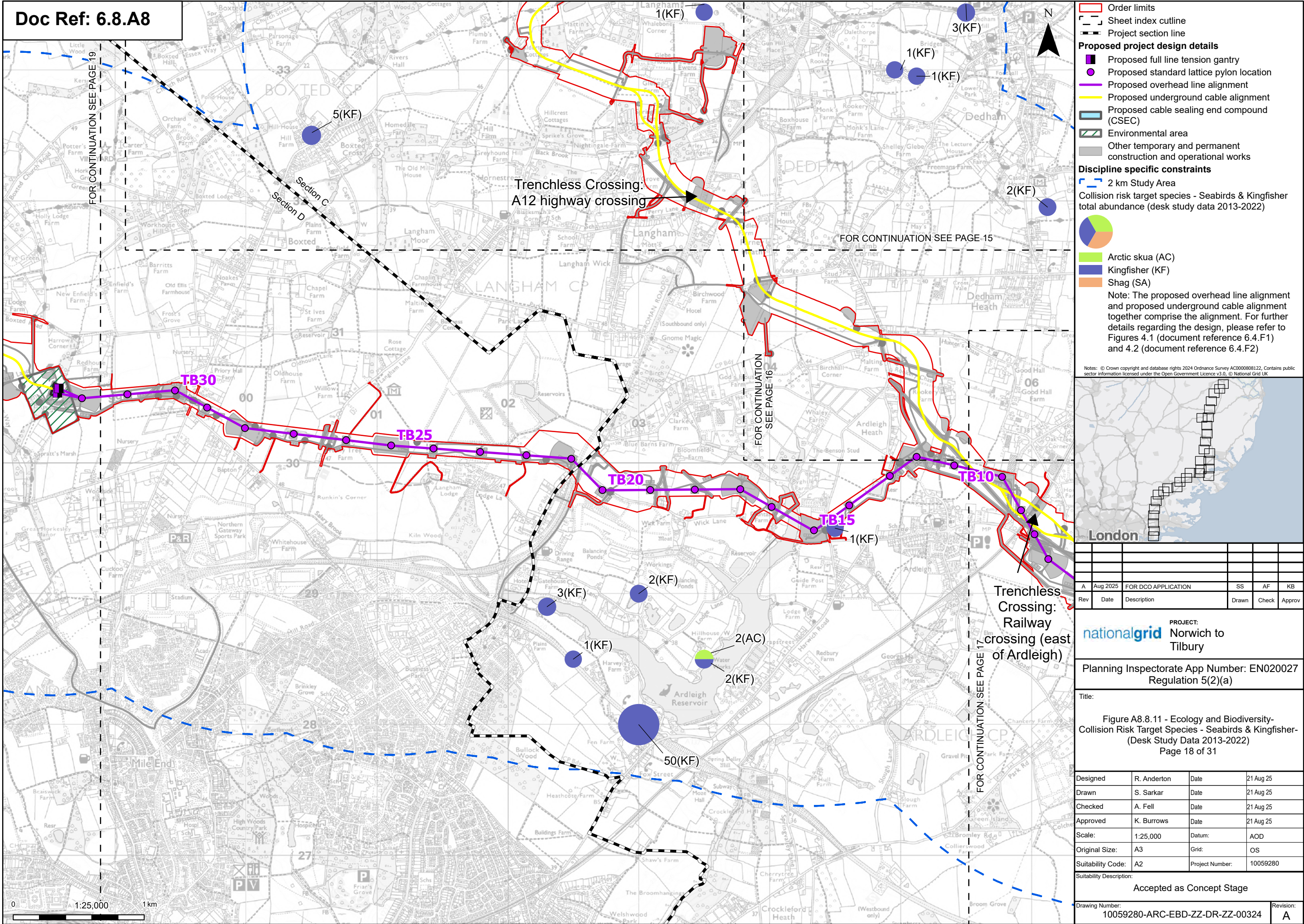
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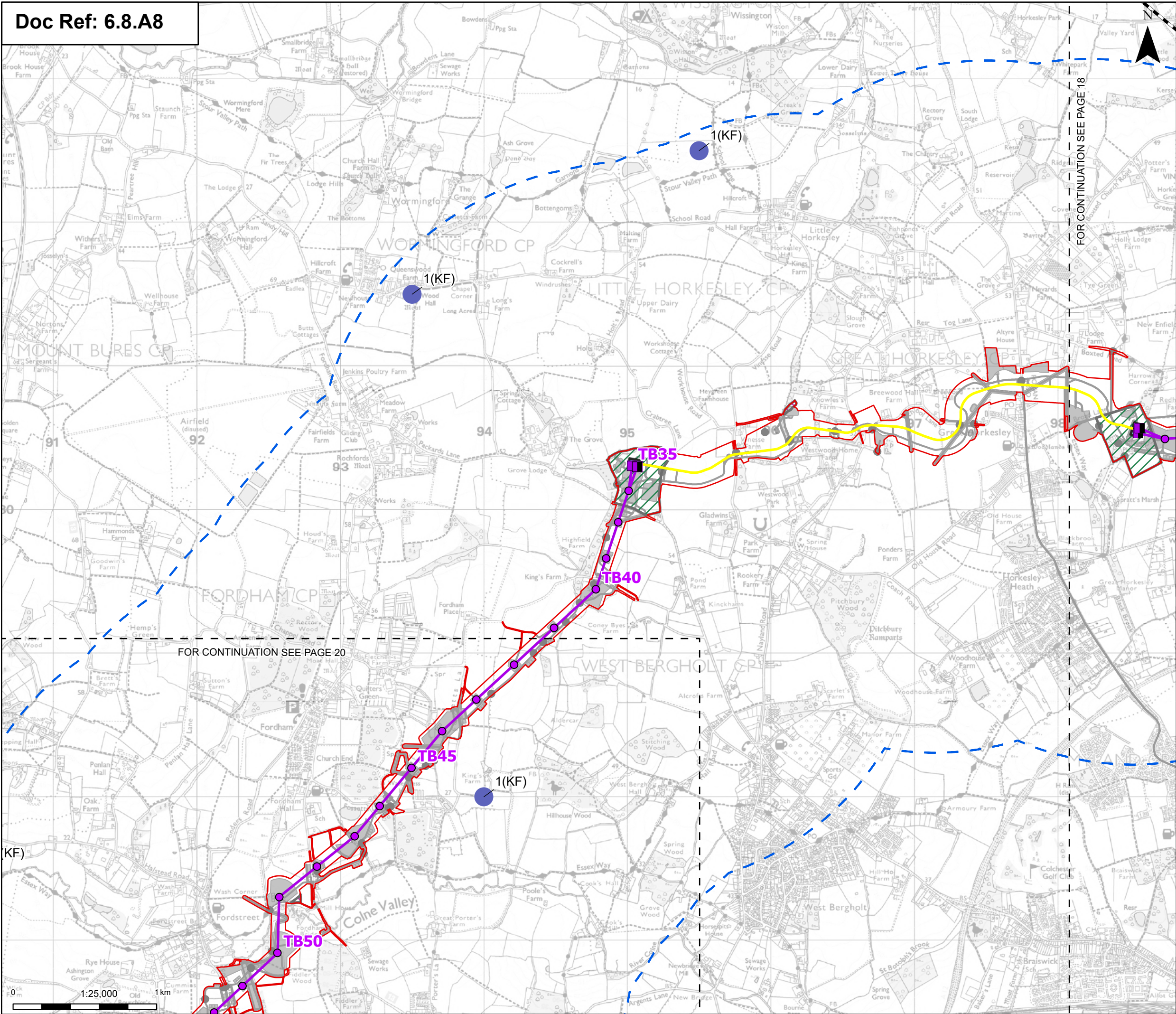
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Environmental mitigation

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)

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- Collision Risk Target Species - Seabirds & Kingfisher- (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
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Accepted as Concept Stage

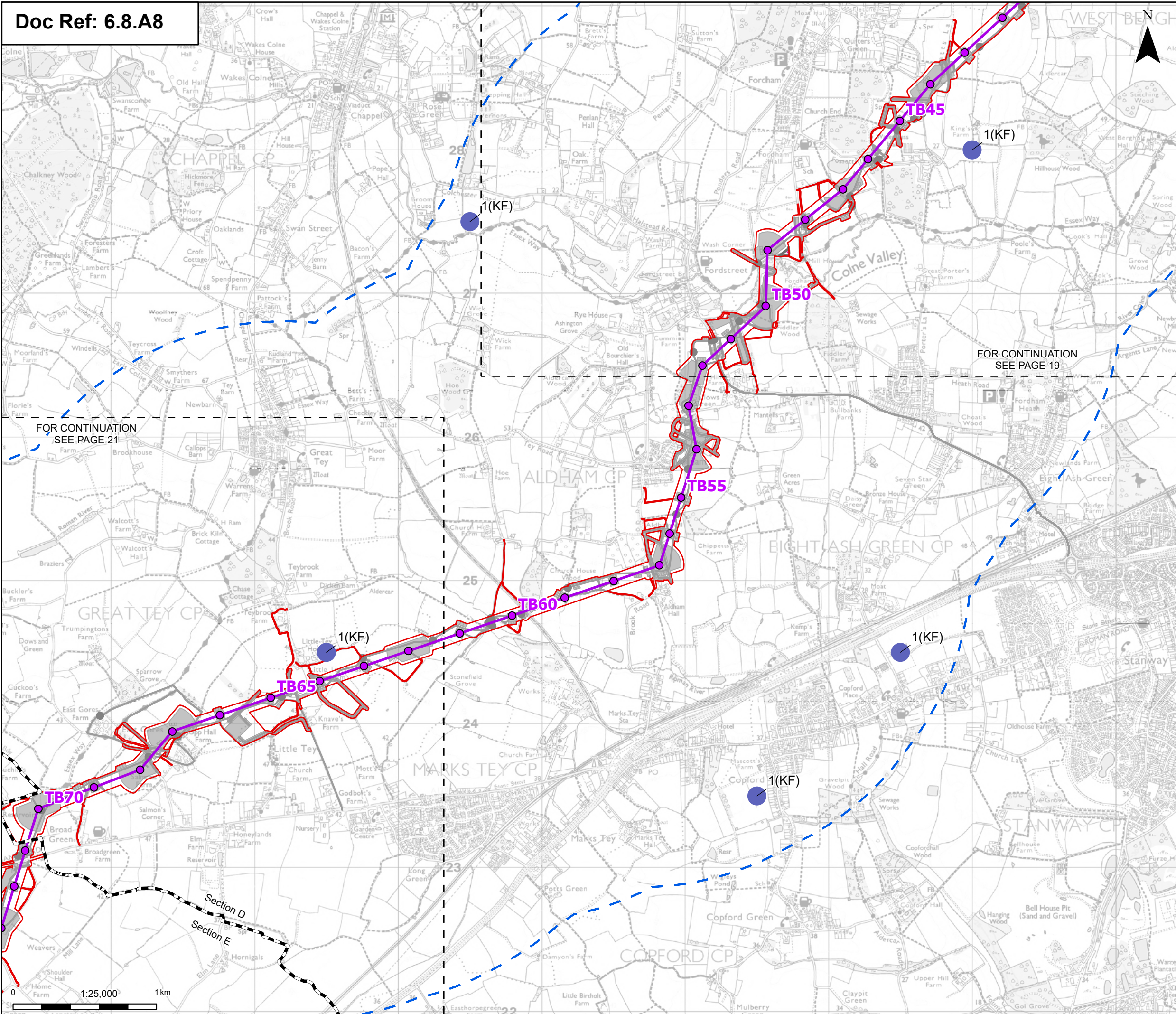
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Project section line

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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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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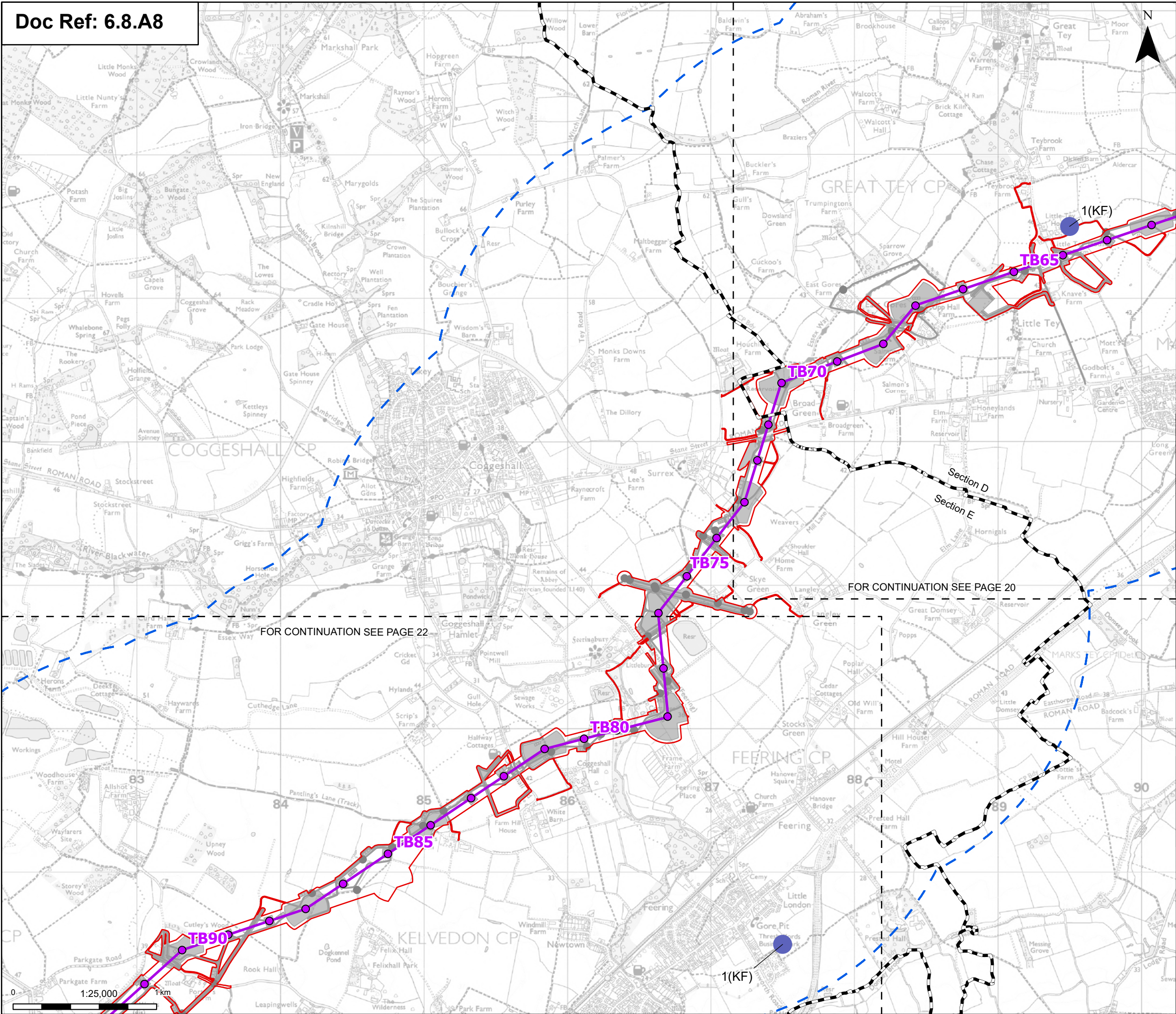
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

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Proposed overhead line alignment

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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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 21 of 31

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Scale:	1:25,000	Datum:	AOD
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Suitability Description:

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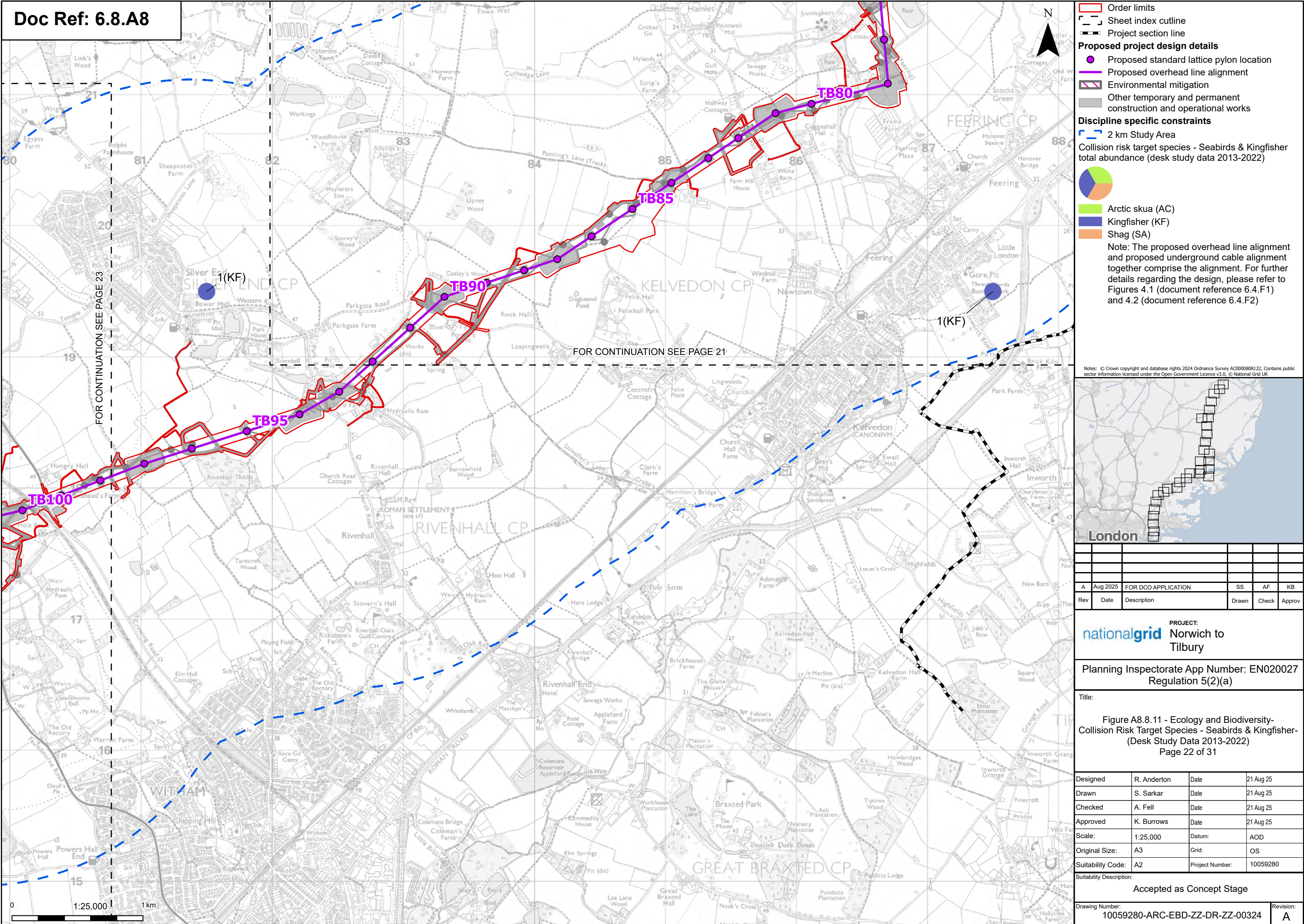
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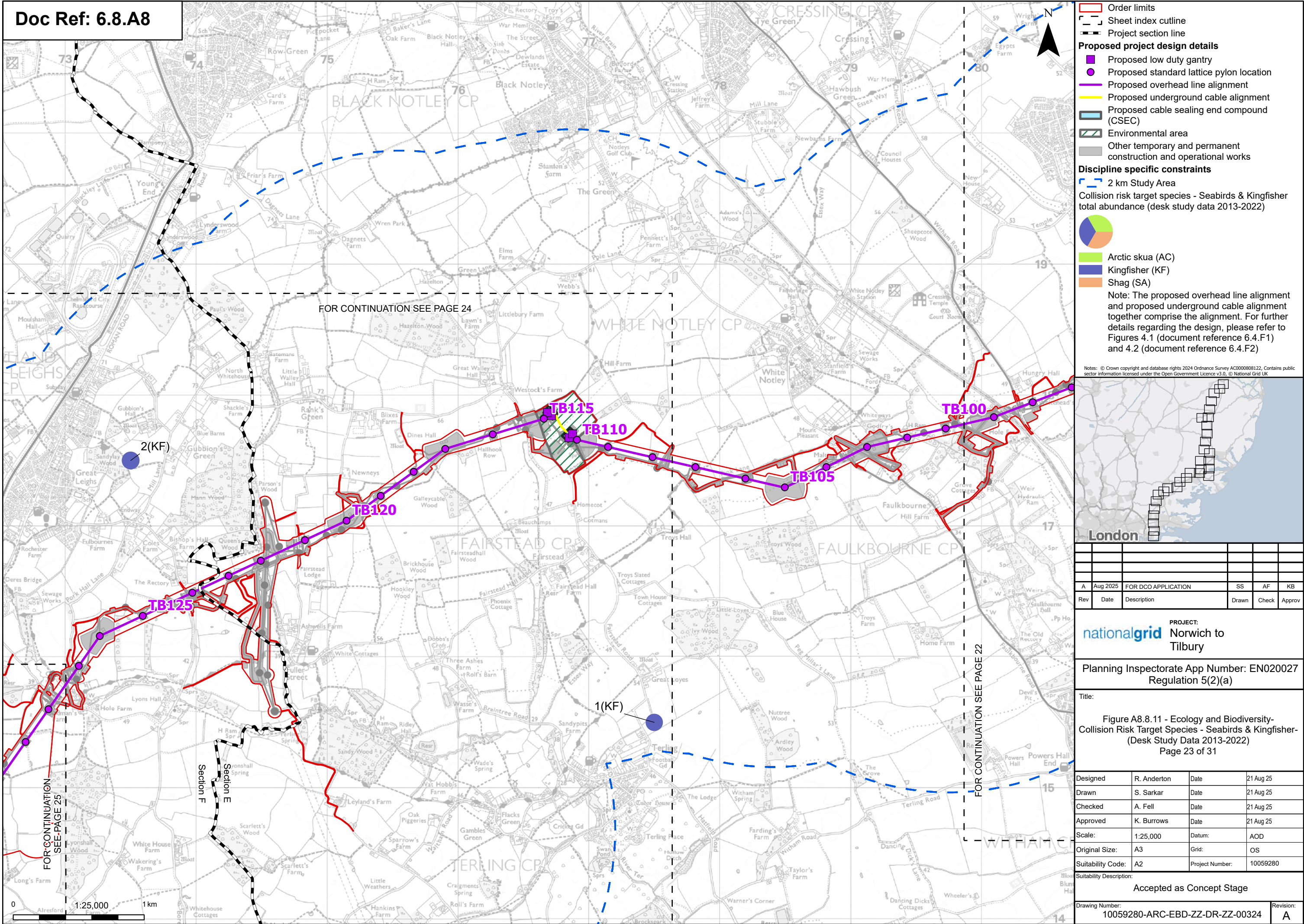
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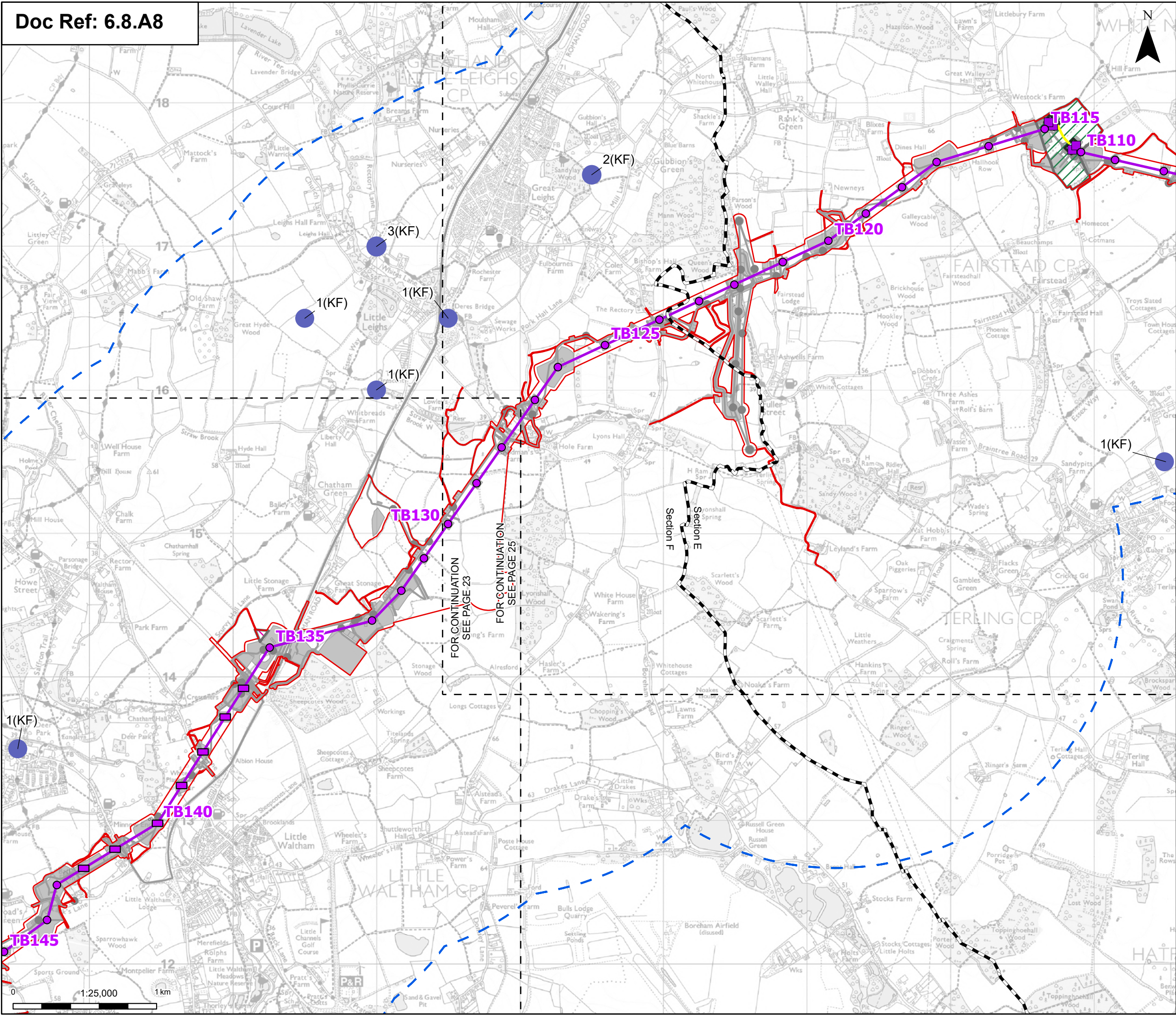
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Proposed low duty gantry

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 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

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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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Scale:	1:25,000	Datum:	AOD
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Suitability Description:

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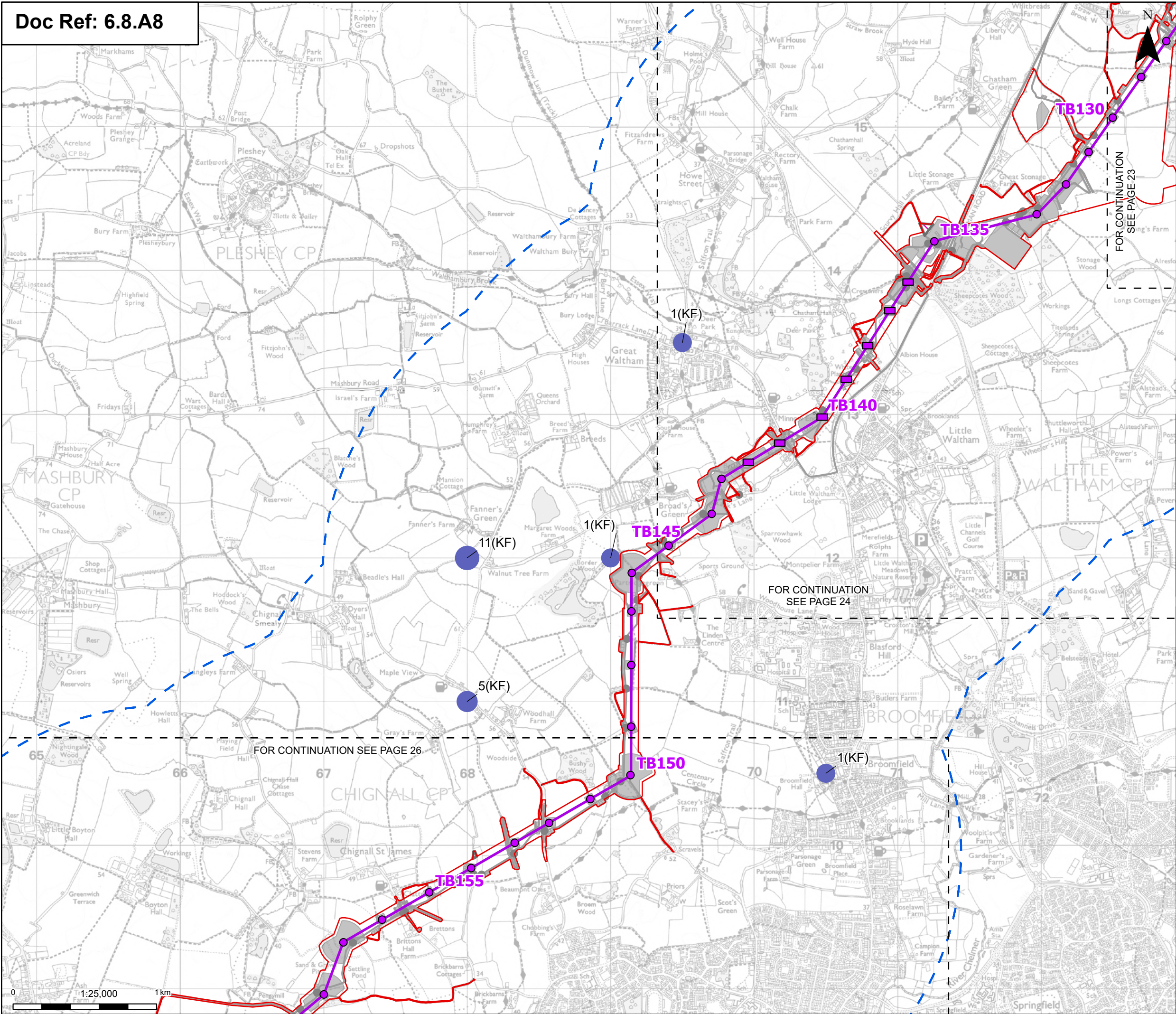
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Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

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

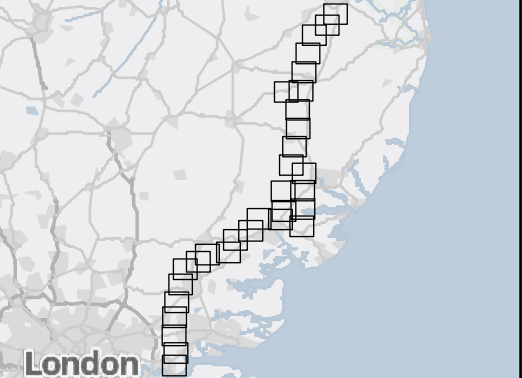
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Kingfisher (KF)

Shag (SA)

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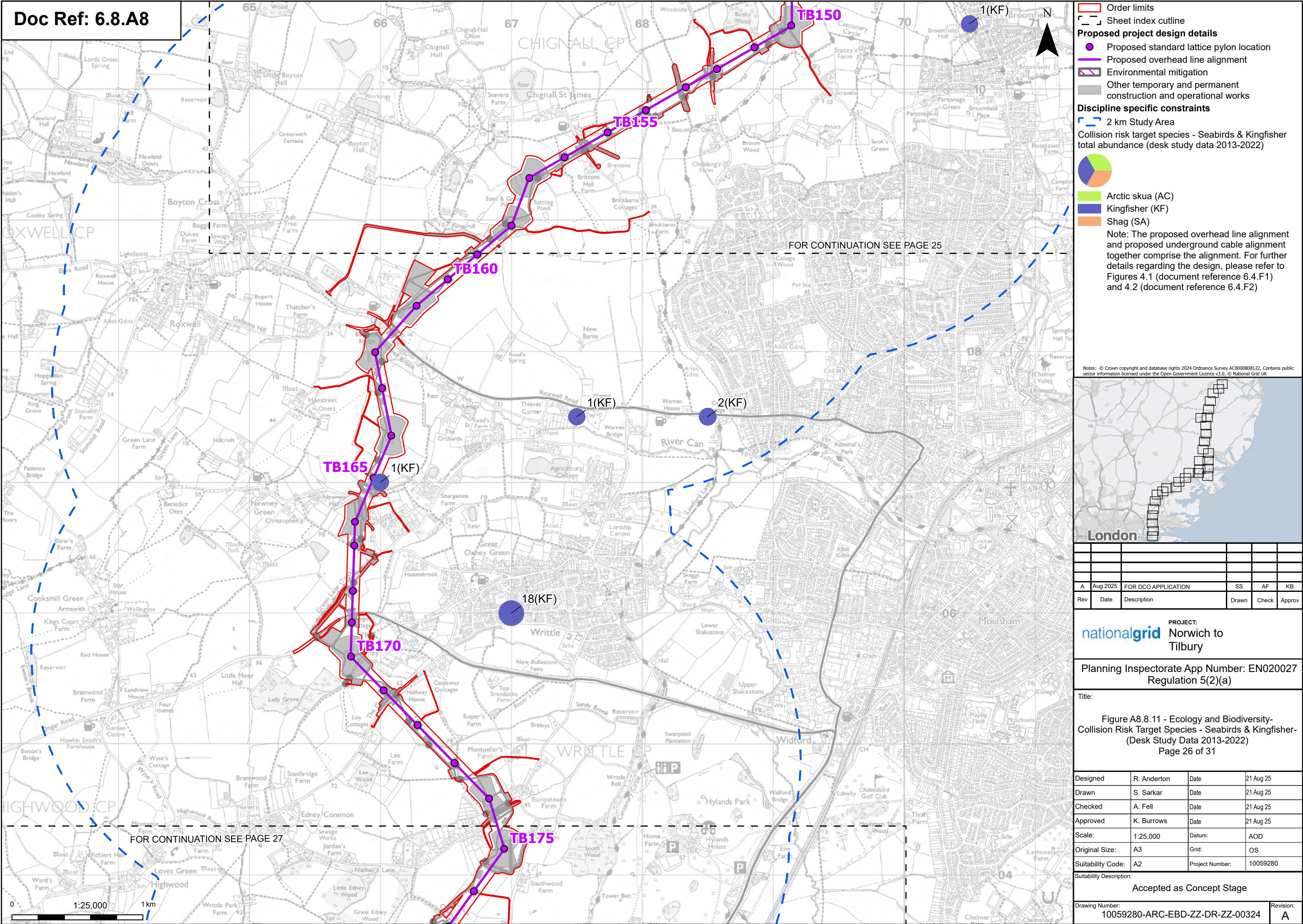
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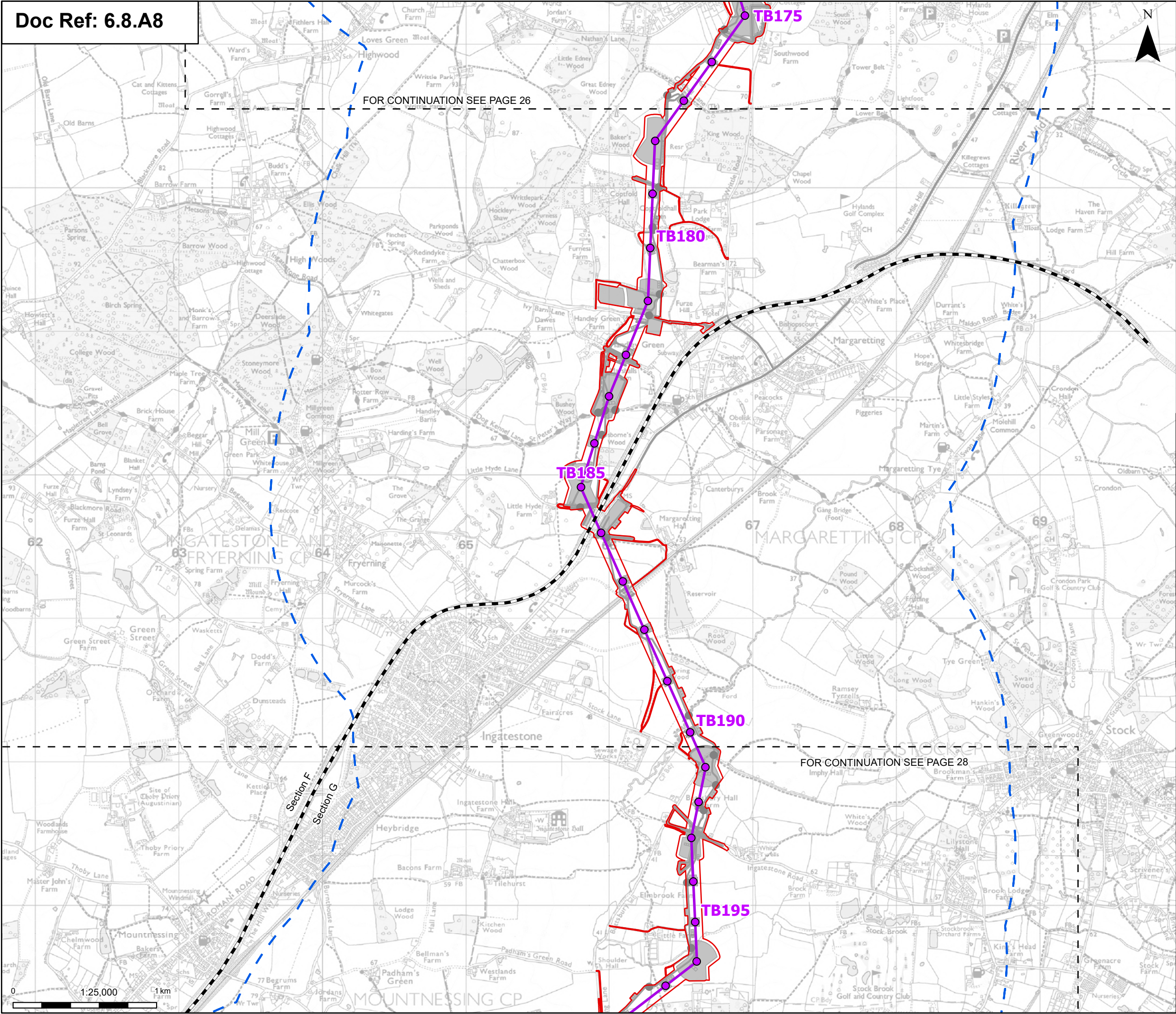
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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

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Title:

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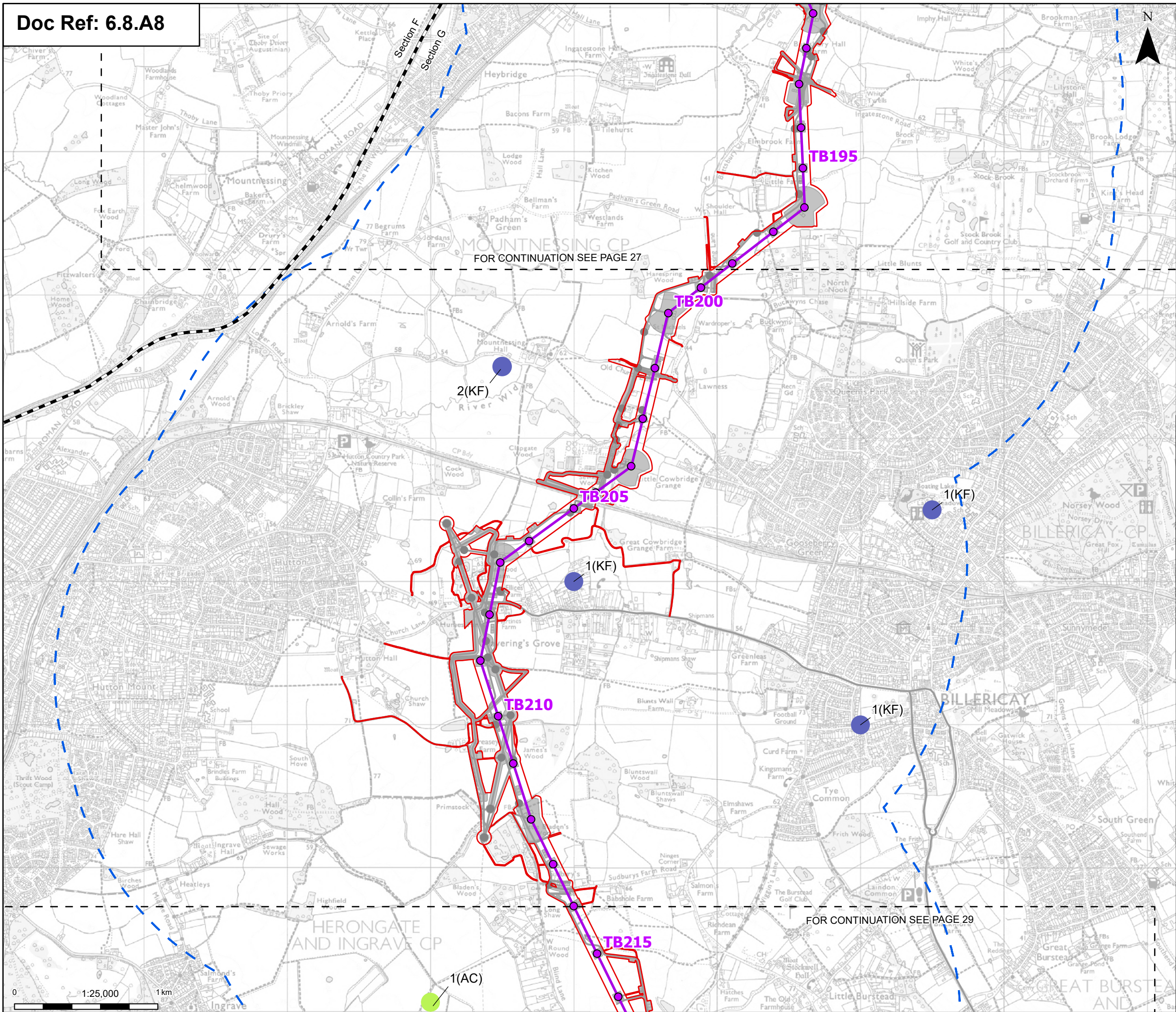
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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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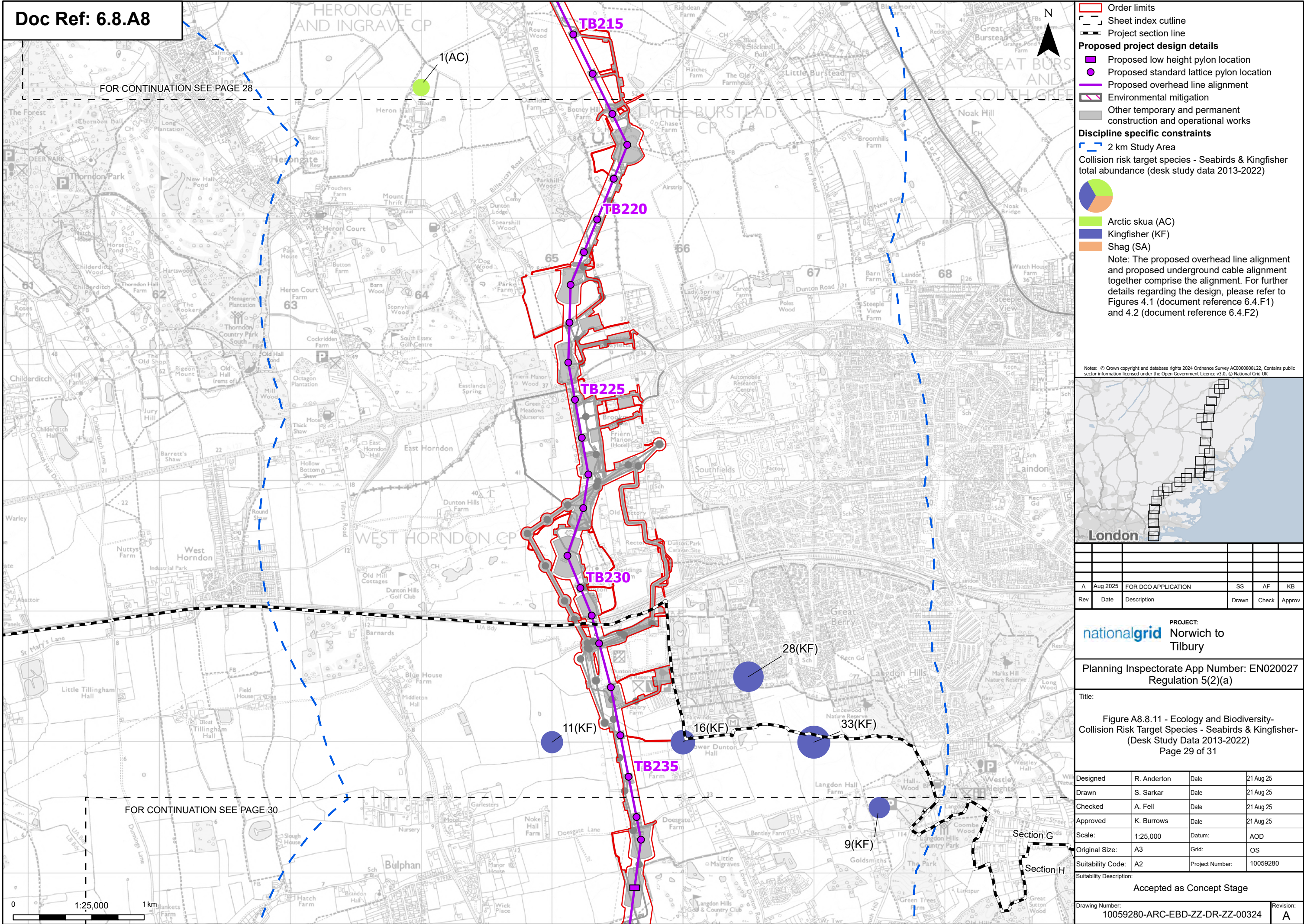
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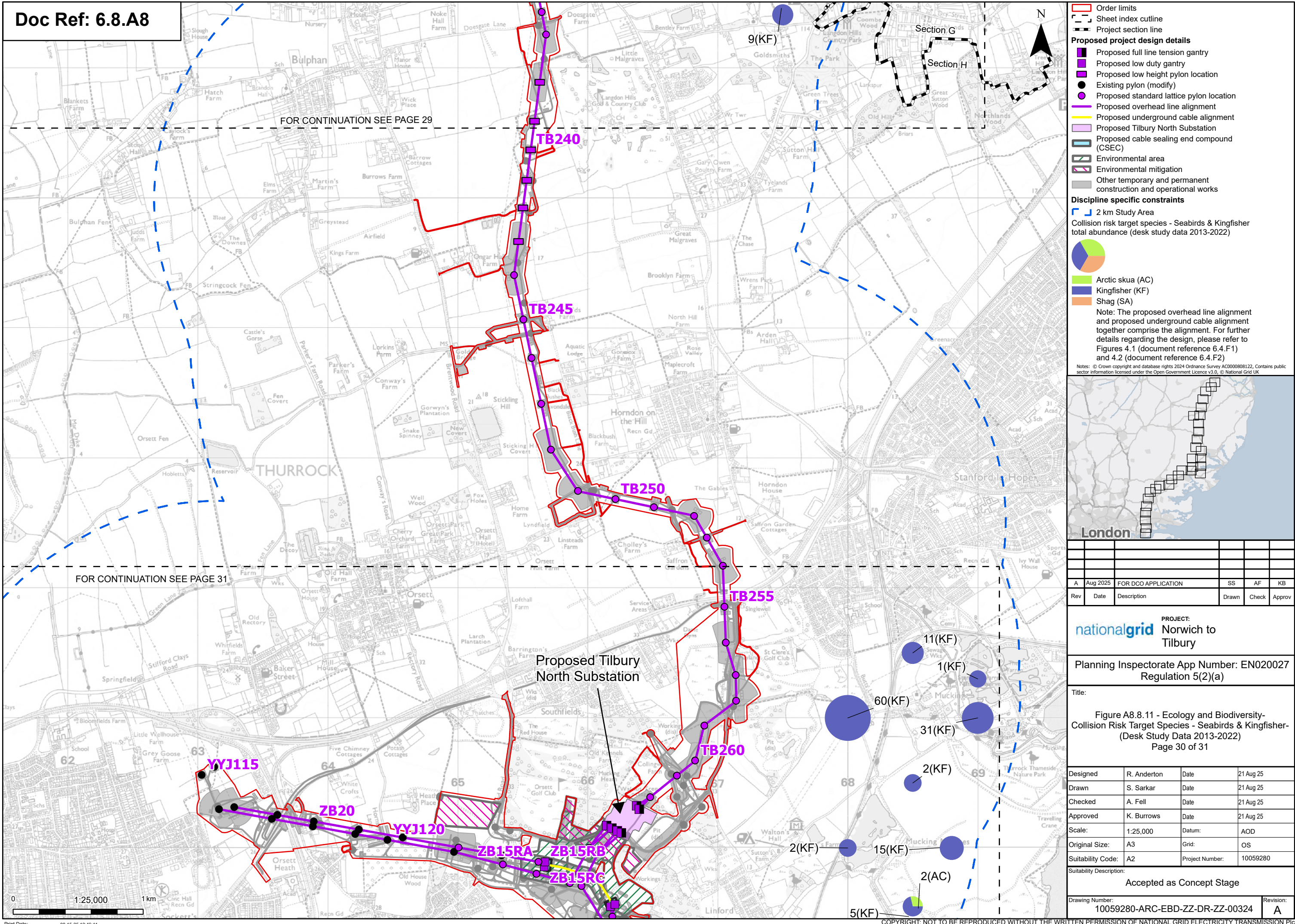
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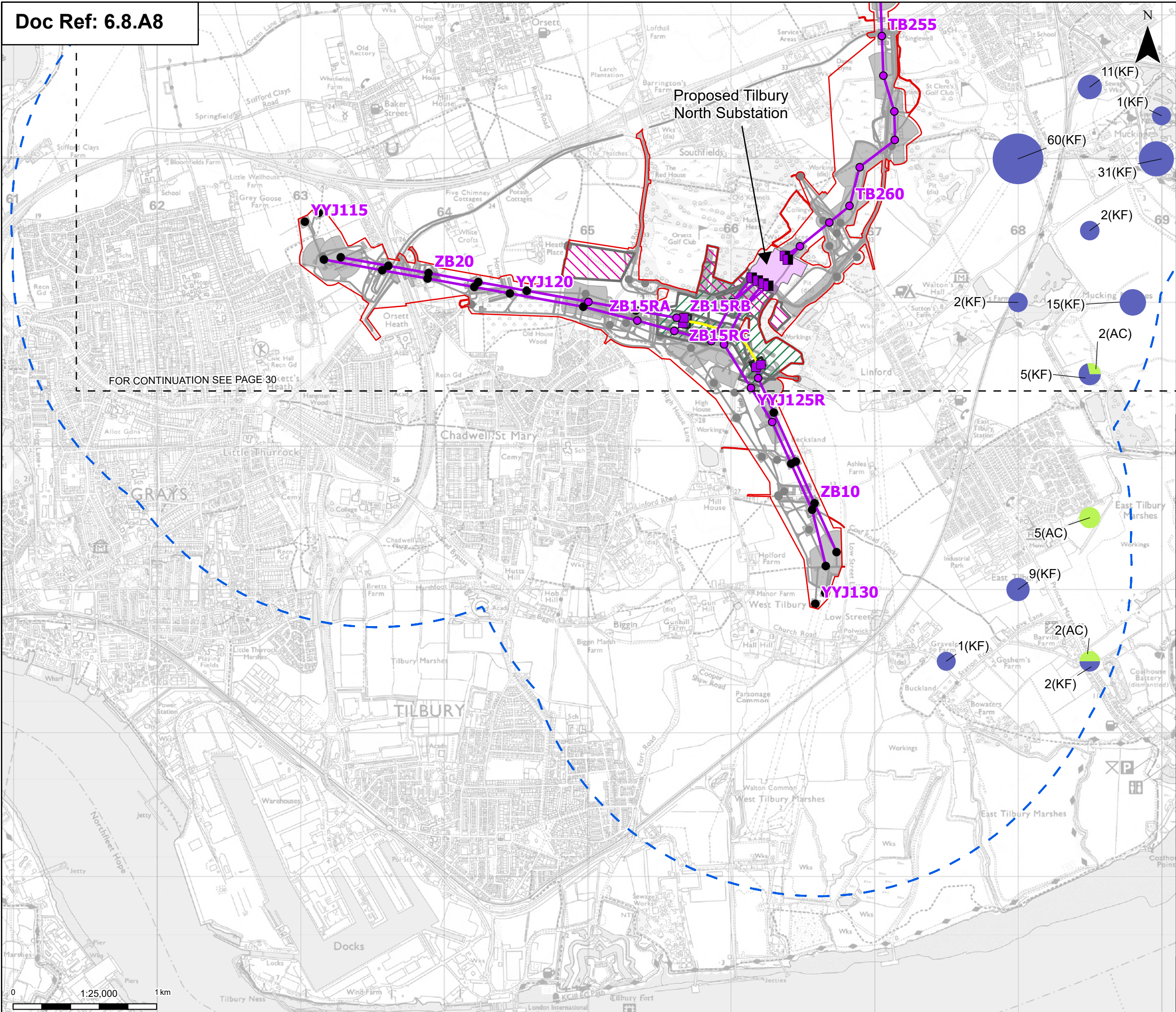
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Checked	A. Fell	Date	21 Aug 25
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Proposed project design details

Proposed full line tension gantry

Proposed low duty gantry

Existing pylon (modify)

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed Tilbury North Substation

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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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Map of the UK showing the location of the project area in the south-east.

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Norwich to Tilbury

Planning Inspectorate App Number: EN020027

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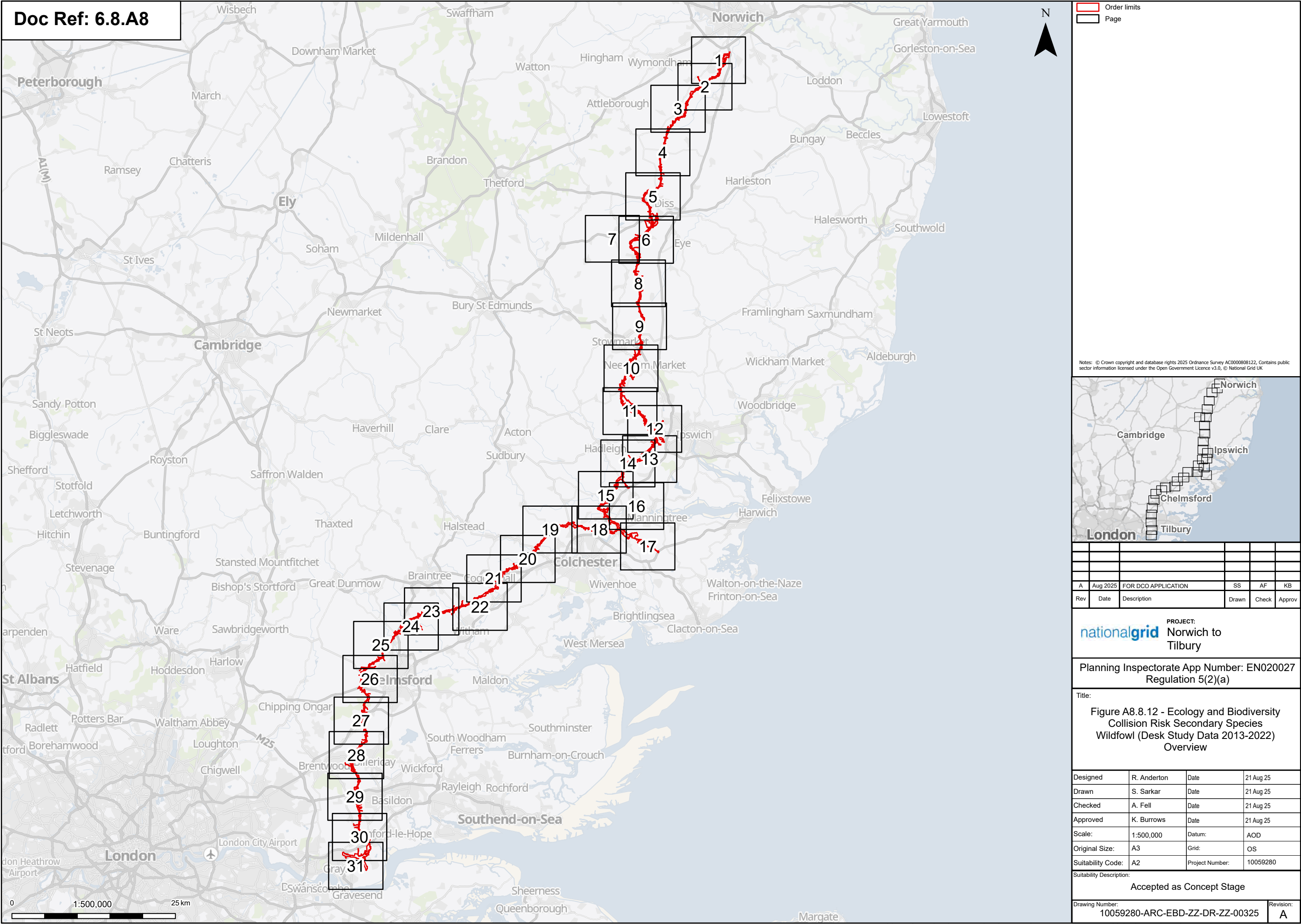
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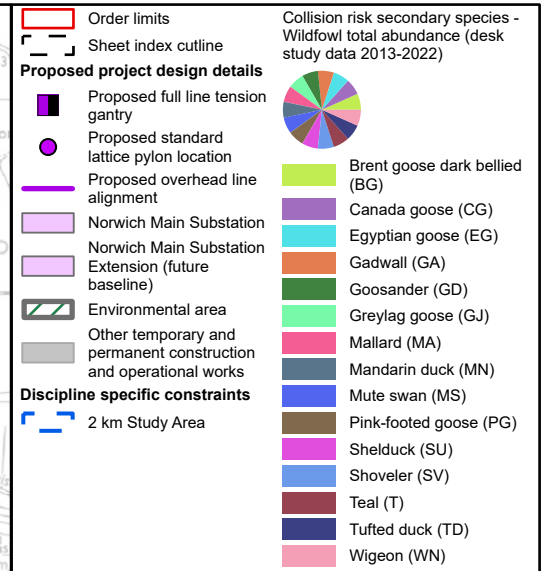
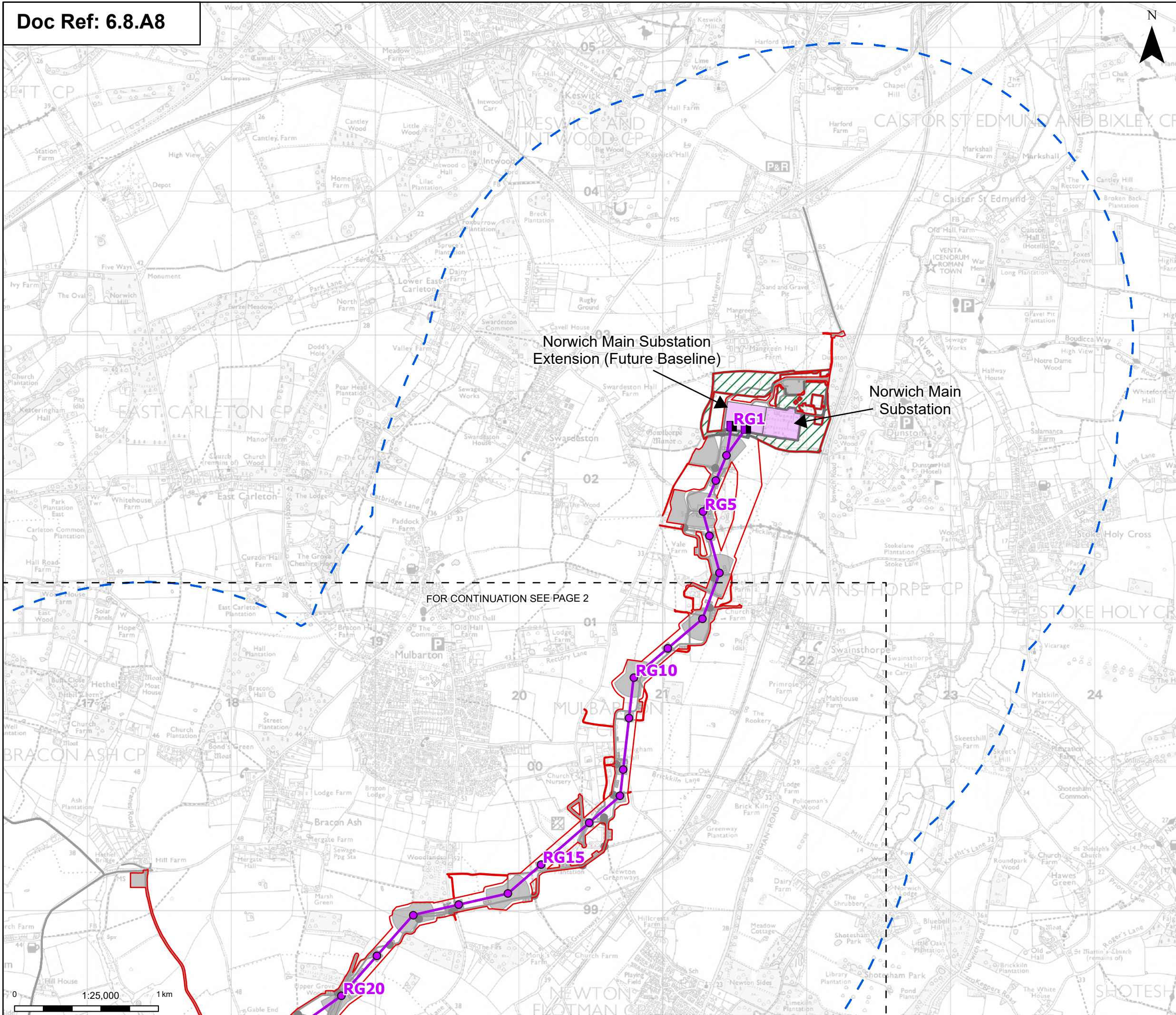
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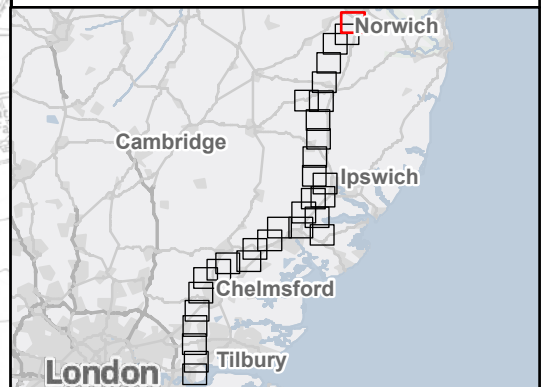
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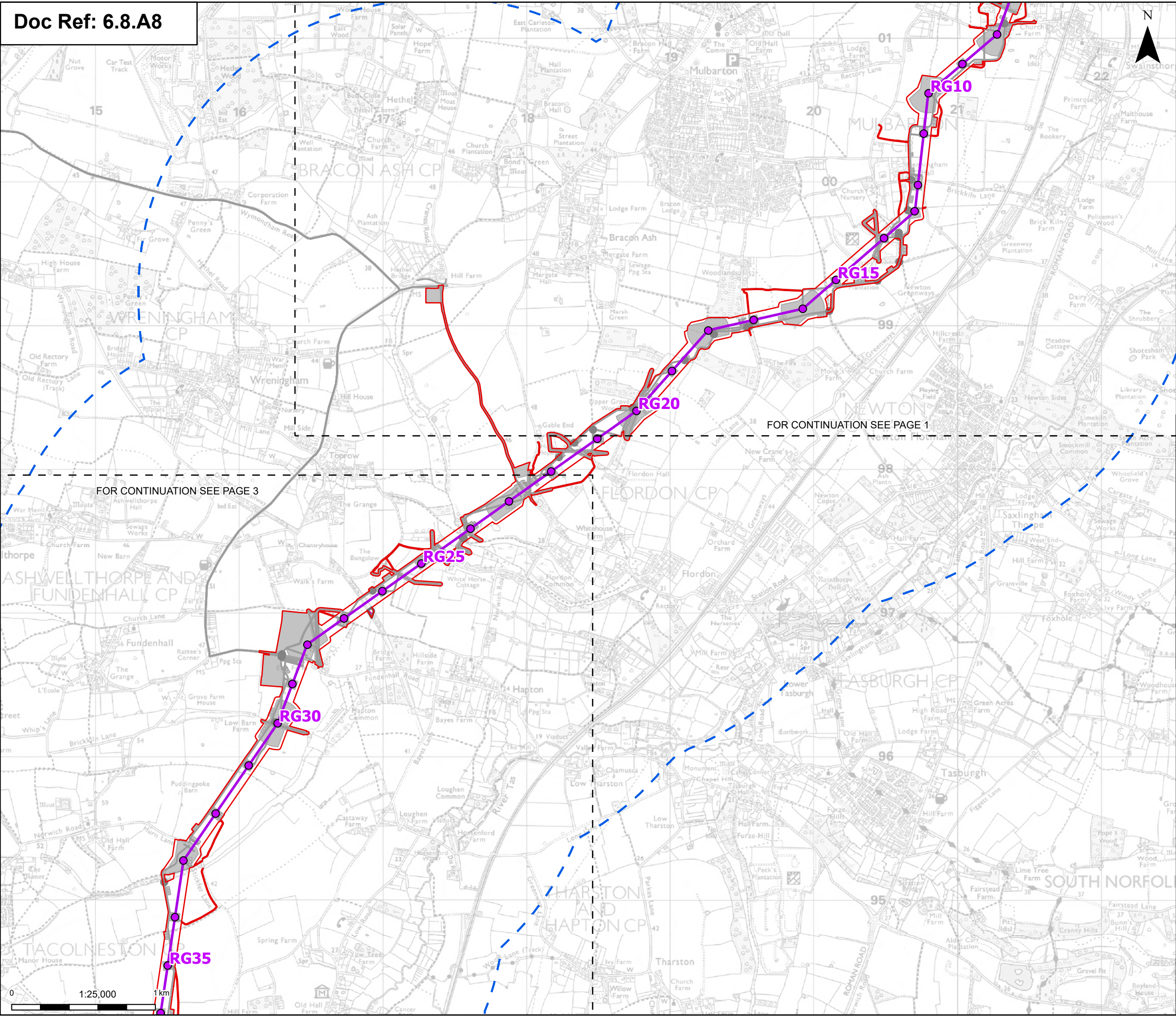
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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Proposed standard 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)

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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Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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Suitability Description:

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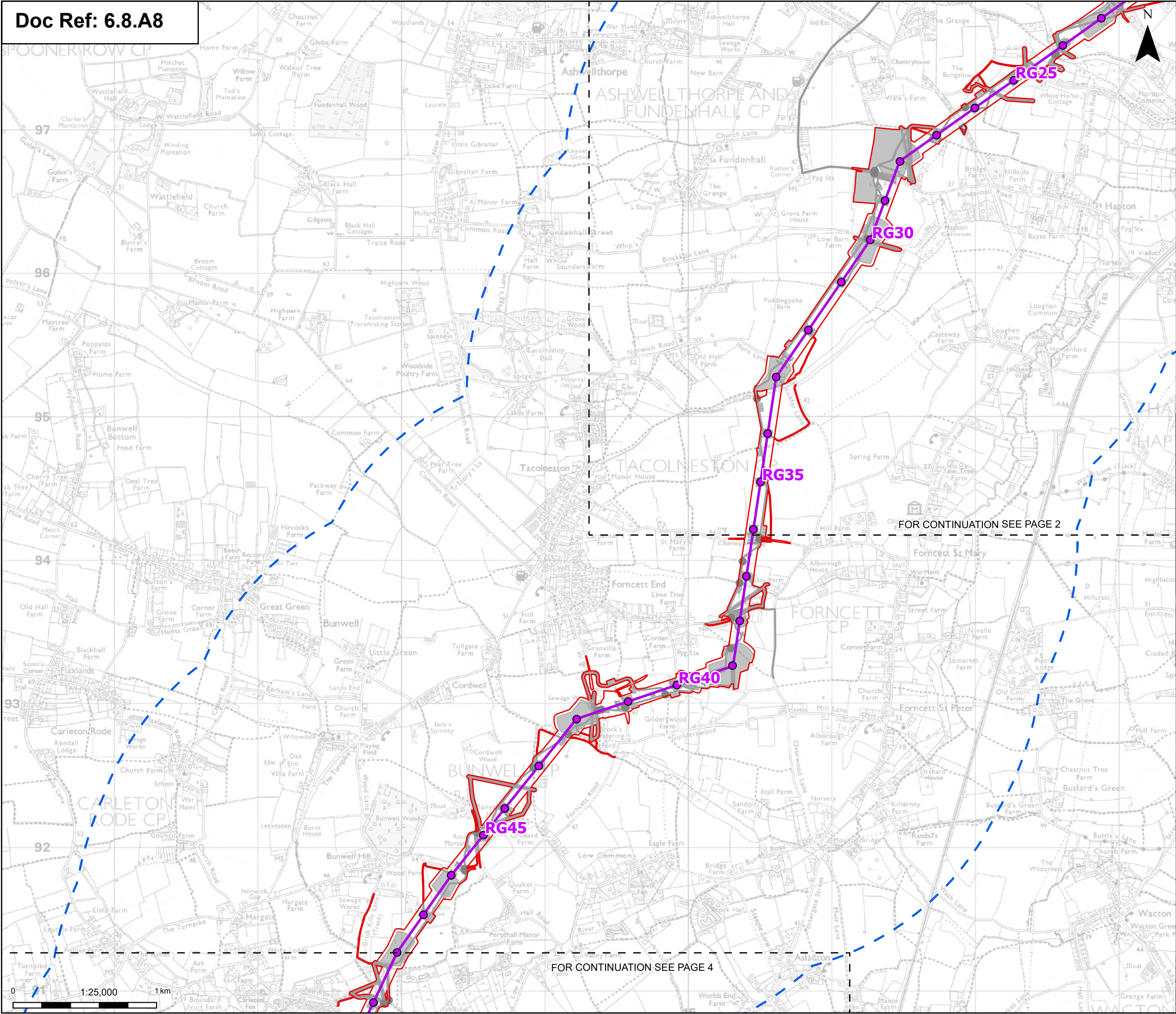
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Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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 Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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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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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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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 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)

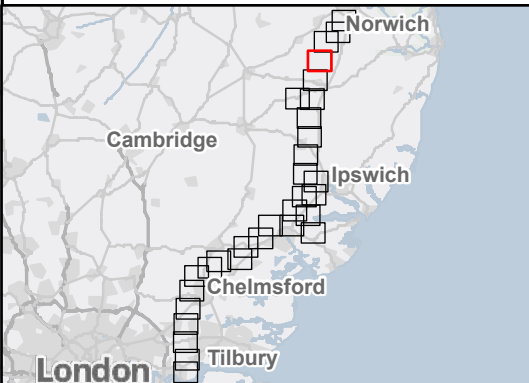
Teal (T)

Tufted duck (TD)

Wigeon (WN)

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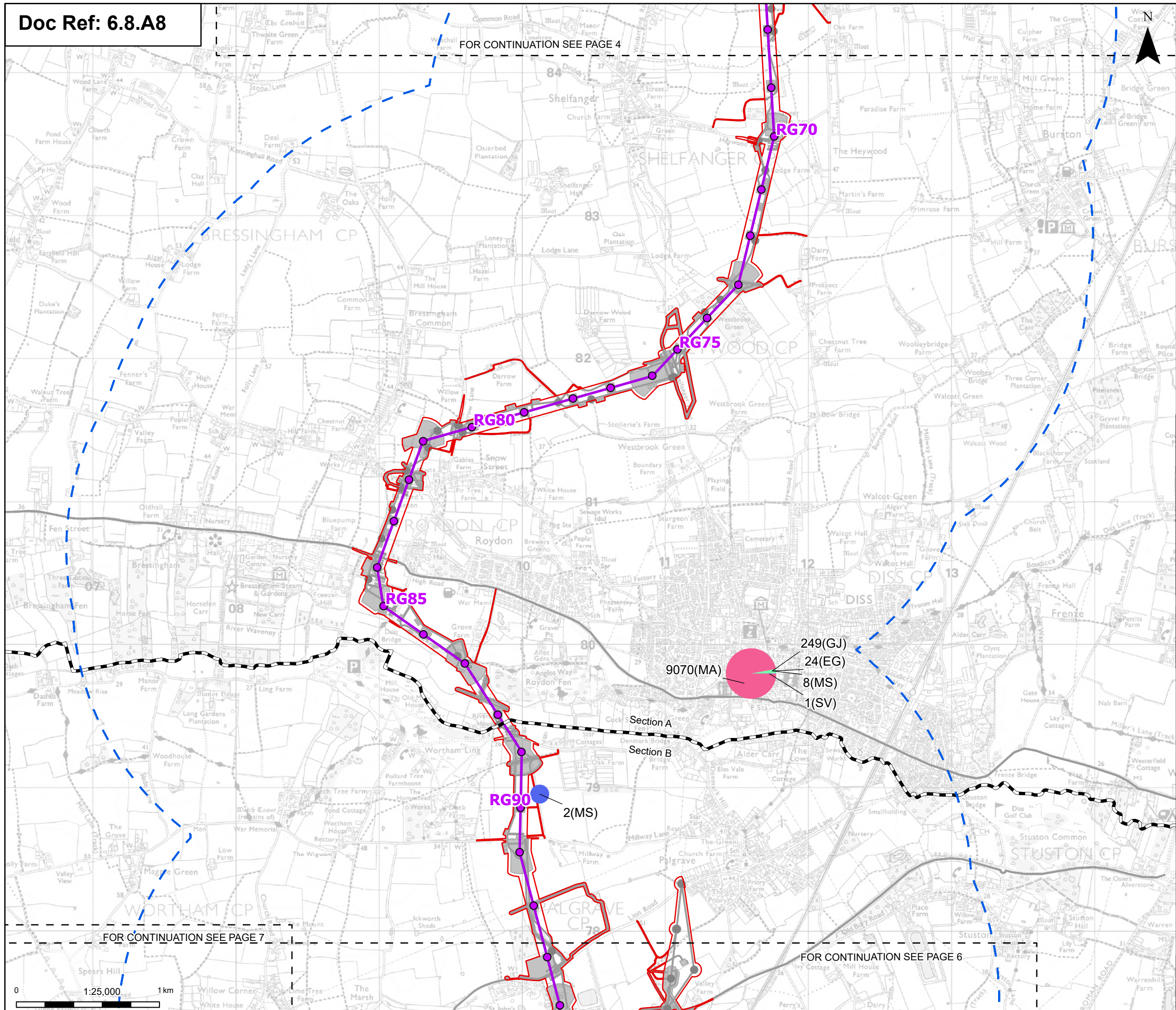
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Suitability Code:	A2	Project Number:	10059280

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Proposed project design details

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

Discipline specific constraints

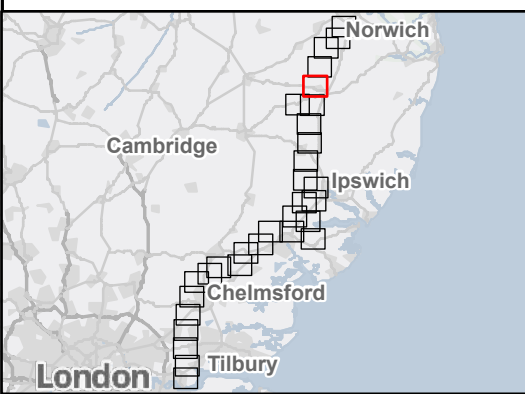
- 2 km Study Area

Collision risk 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:
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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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
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Environmental mitigation

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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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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to
Tilbury

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

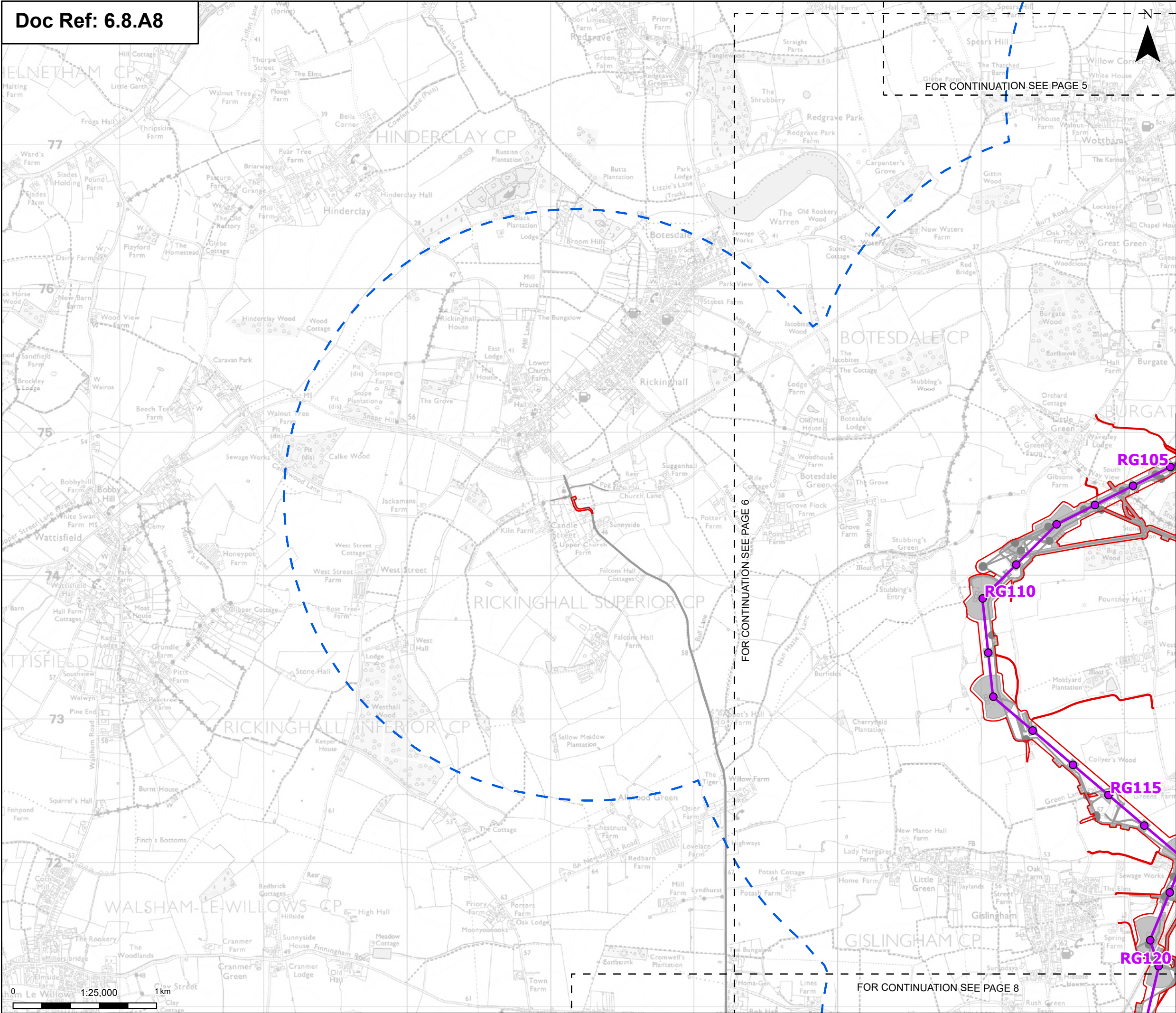
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability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

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Proposed standard lattice pylon location

Proposed overhead line alignment

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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)

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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 7 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:

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Grid:

OS

Suitability Code:

A2

Project Number:

10059280

Suitability Description:

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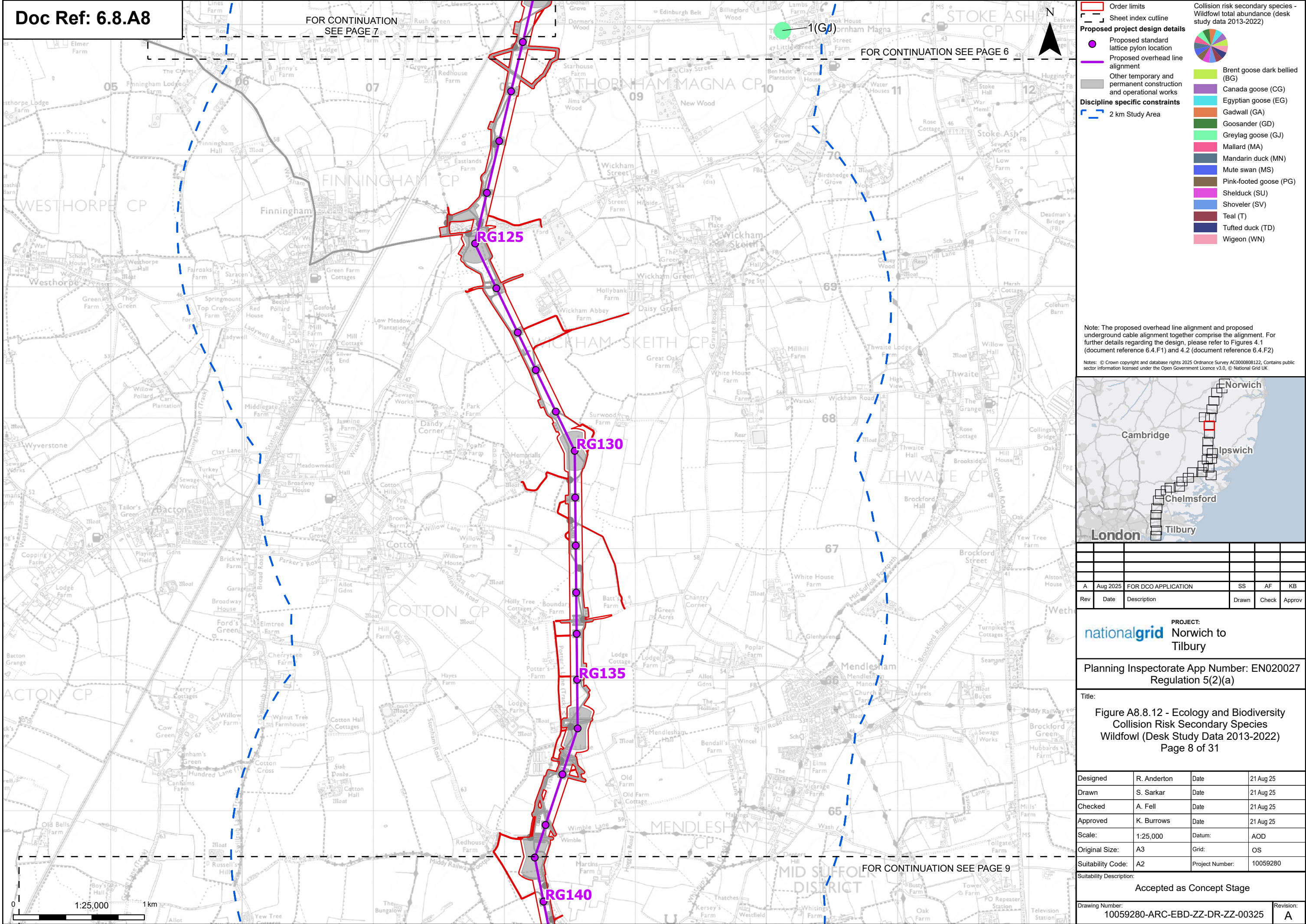
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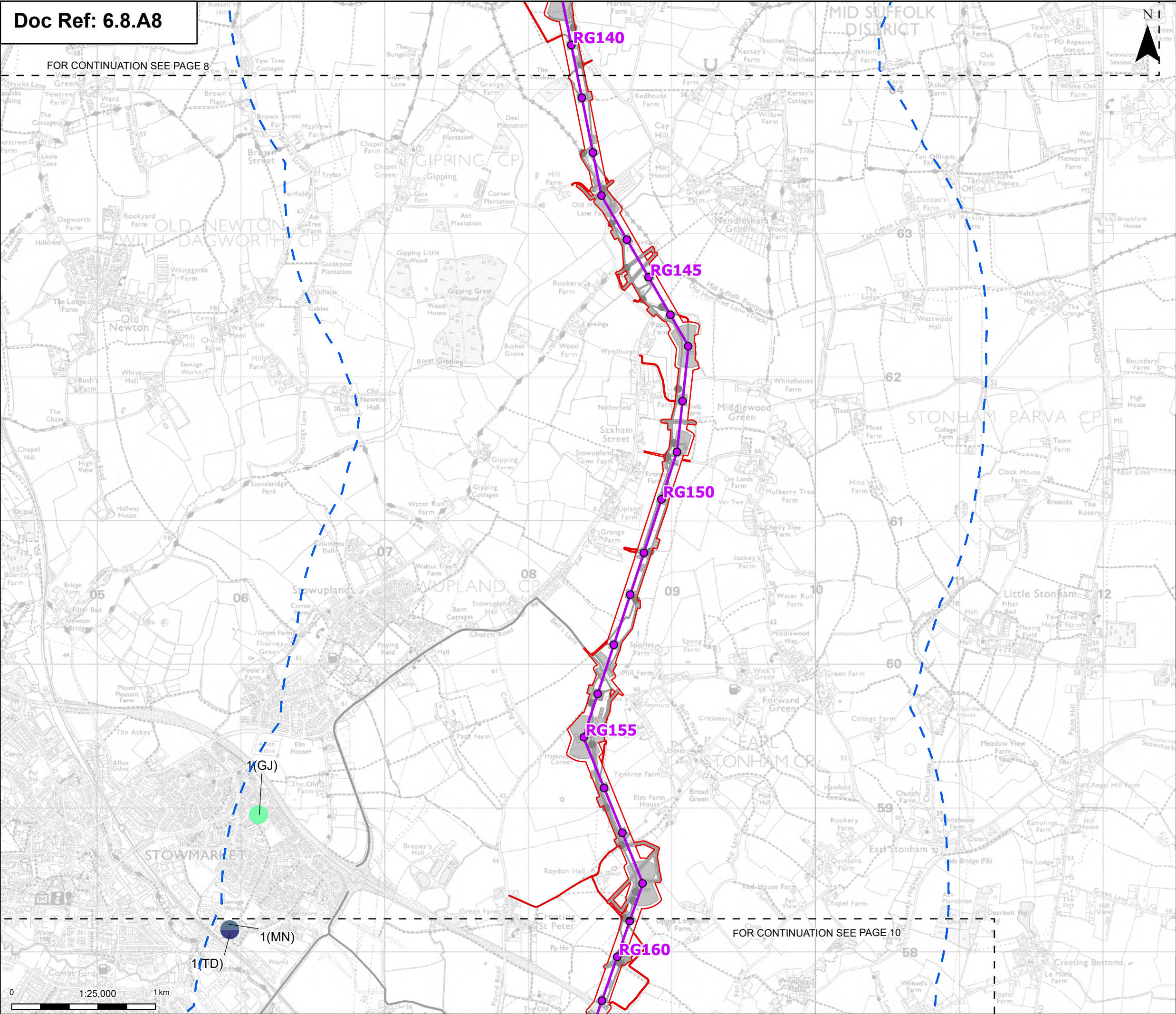
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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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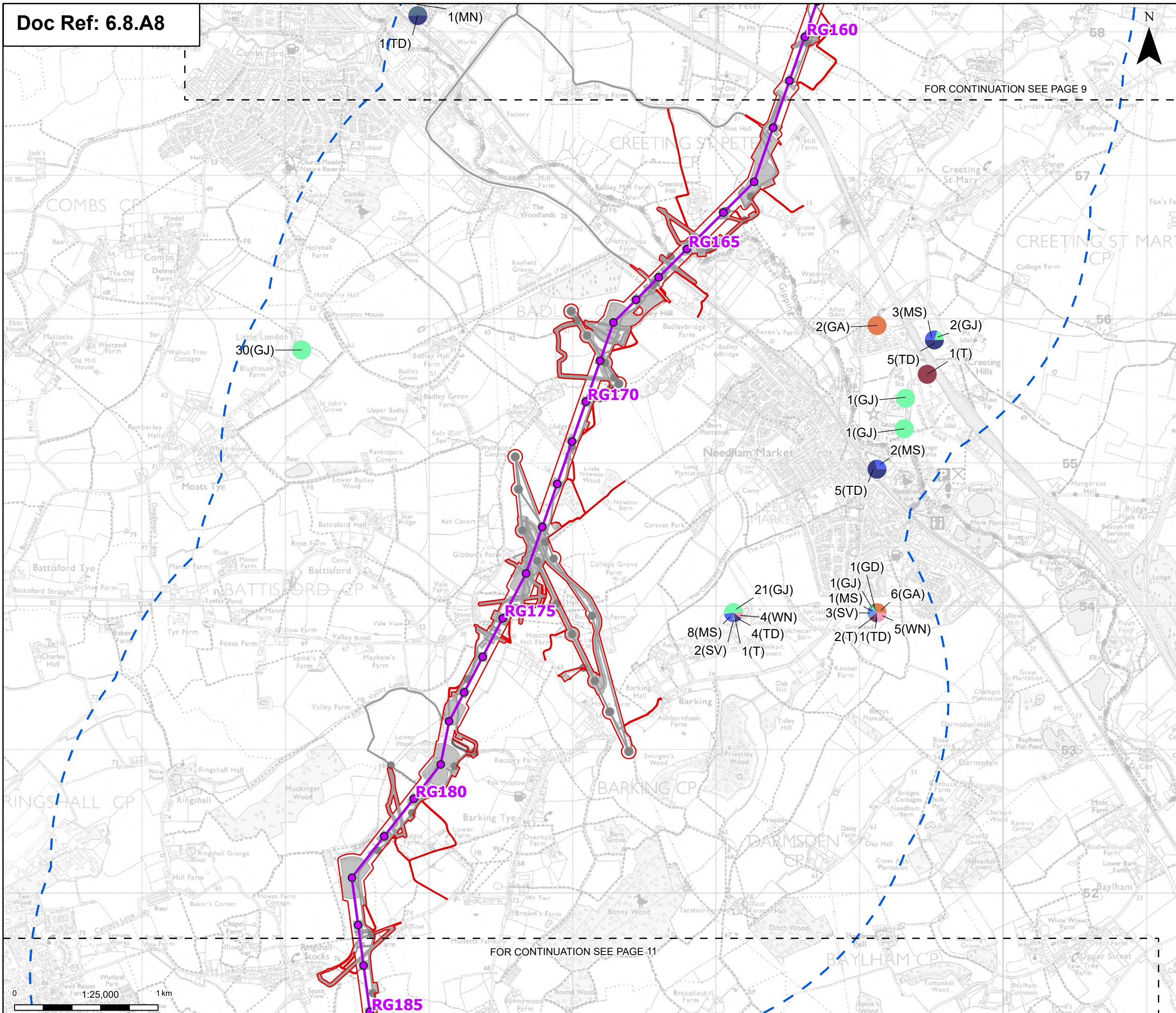
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Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

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2 km Study Area

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PROJECT:

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Planning Inspectorate App Number: EN020027

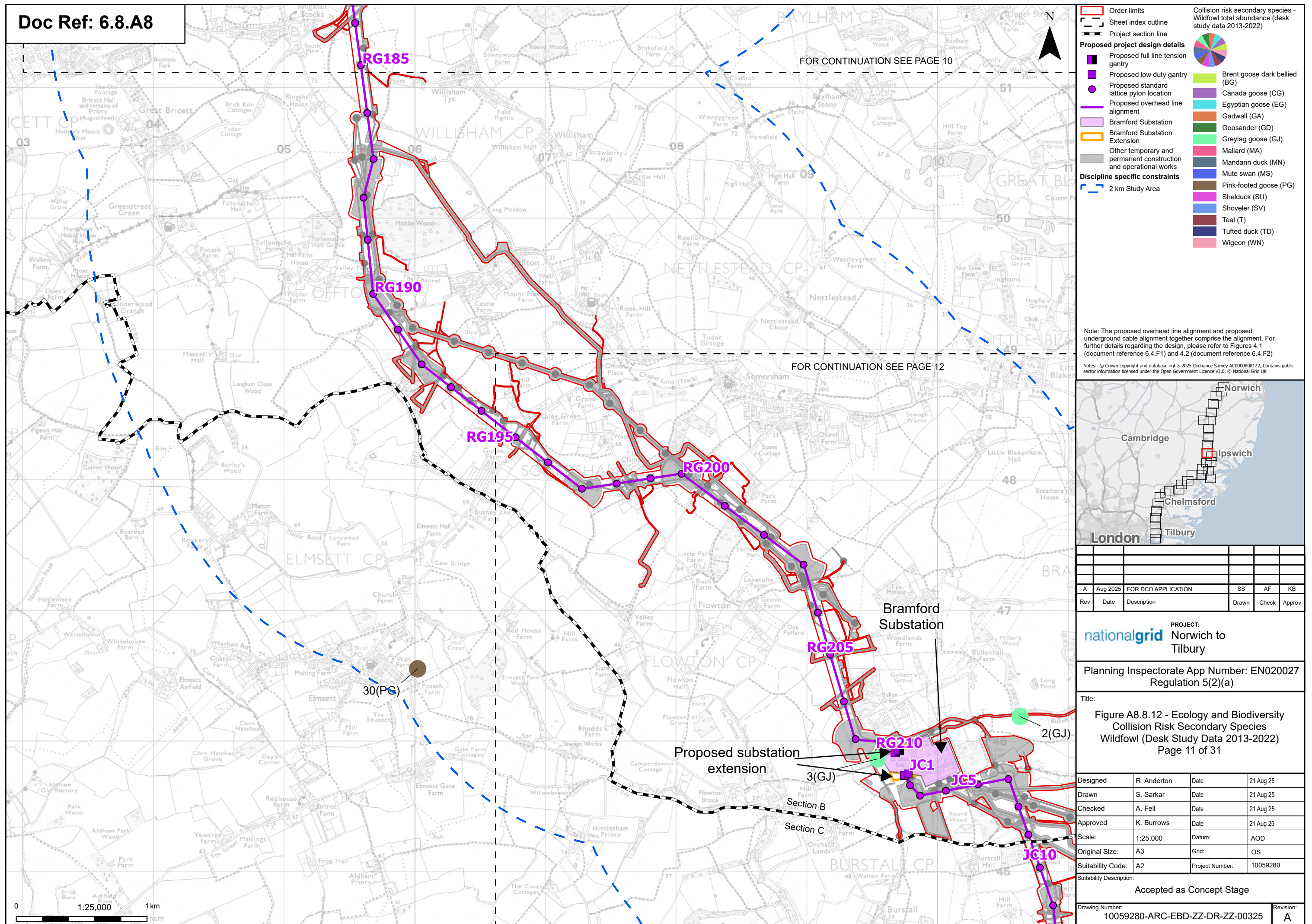
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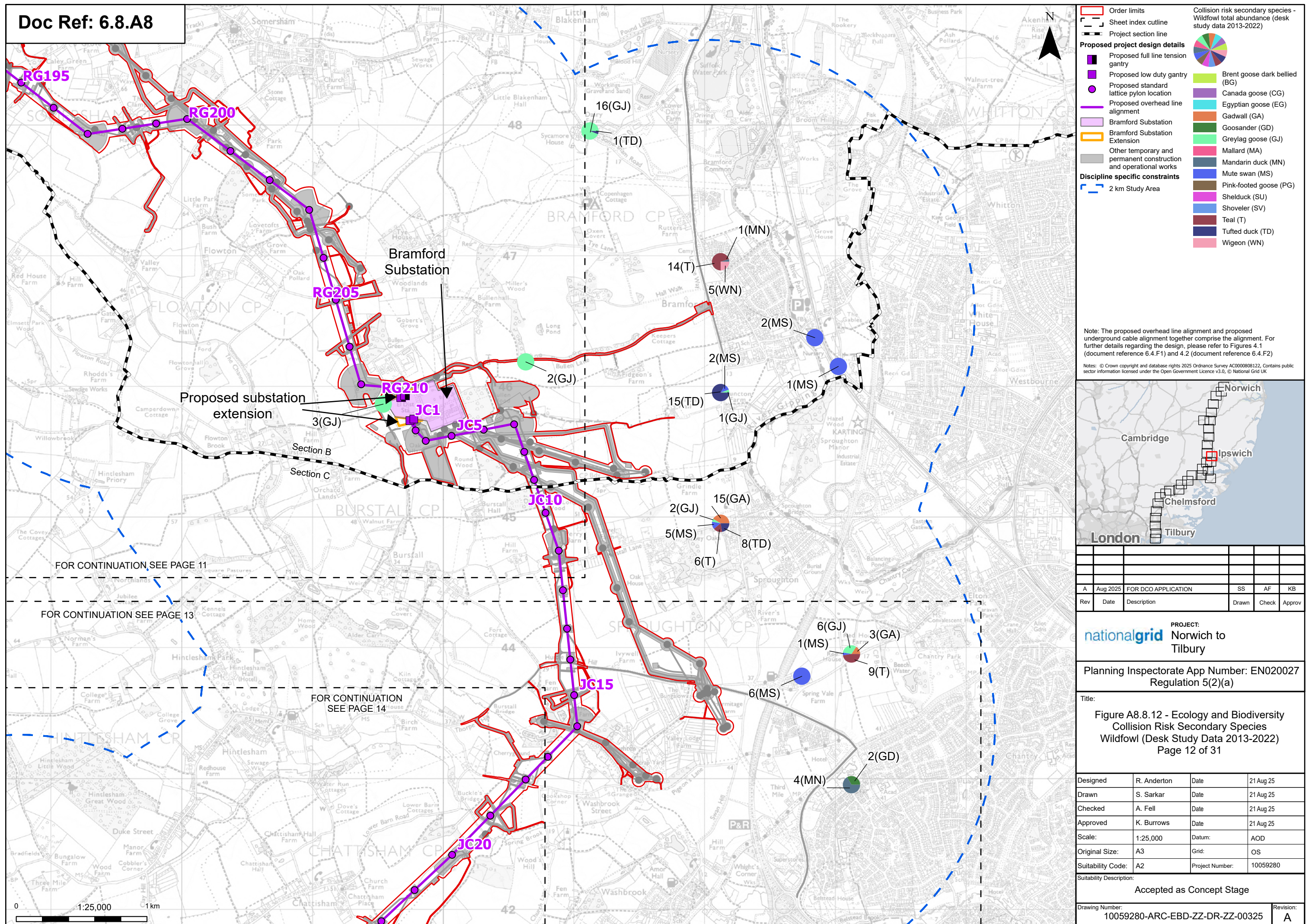
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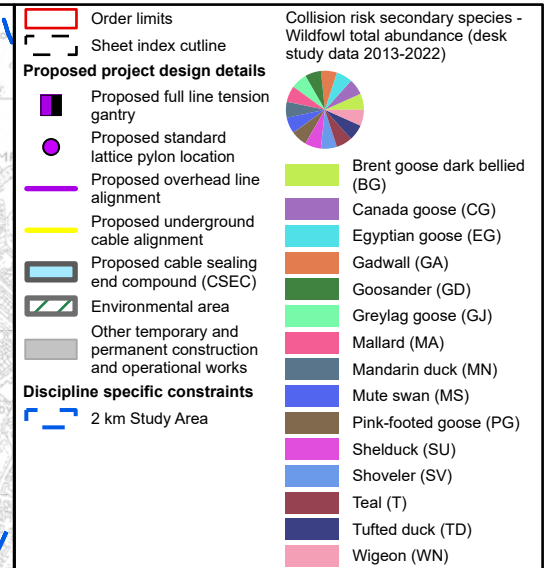
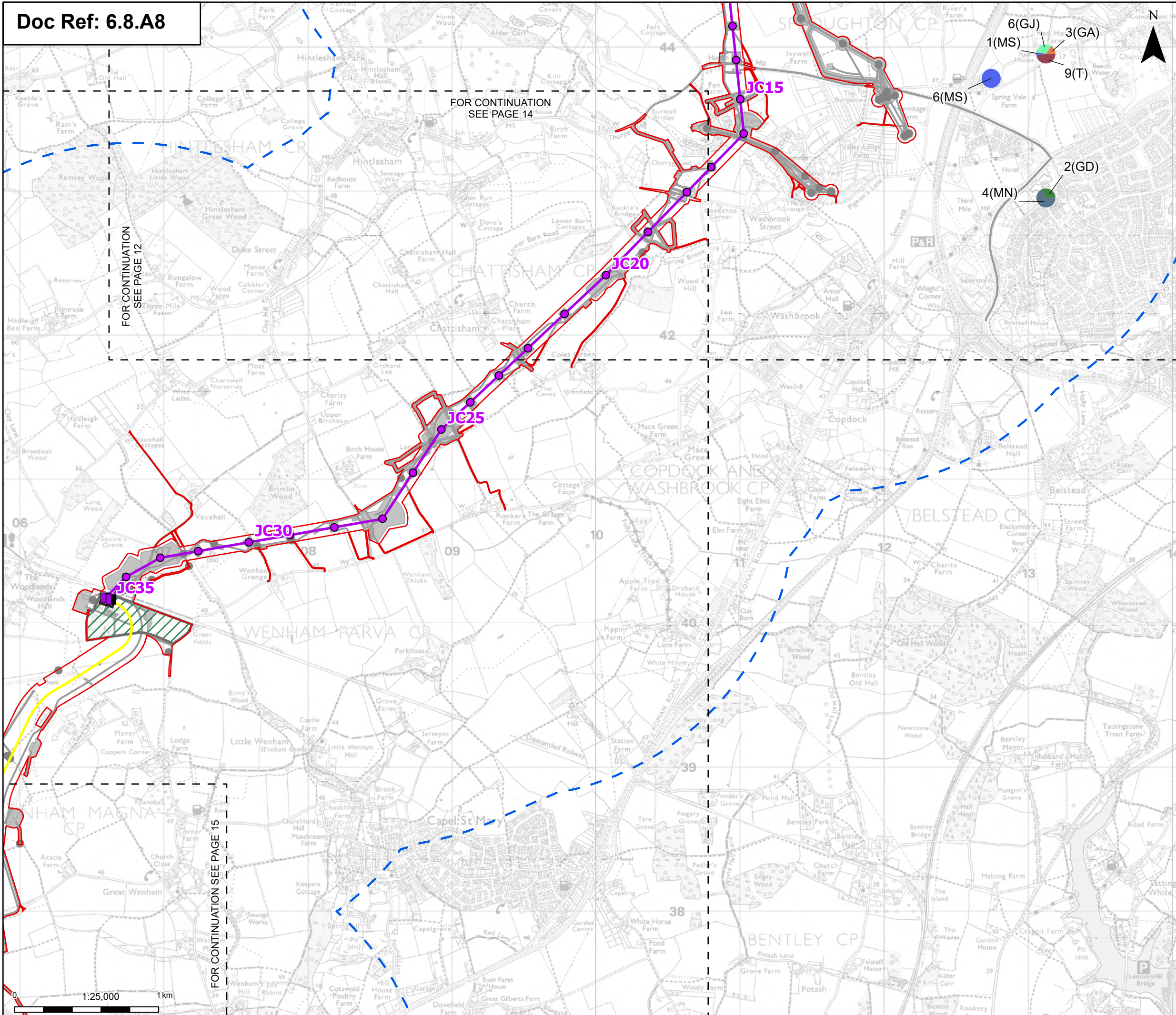
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Wildfowl (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			
Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00325			Revision: A

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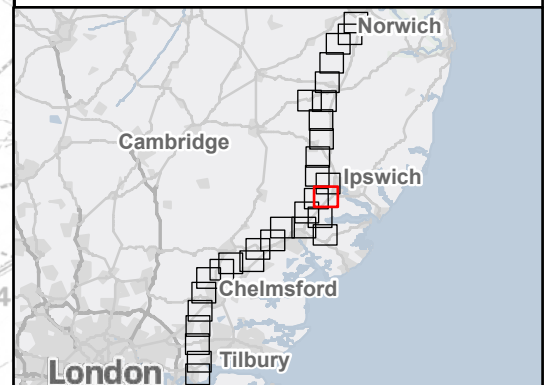






Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
Norwich to
Tilbury

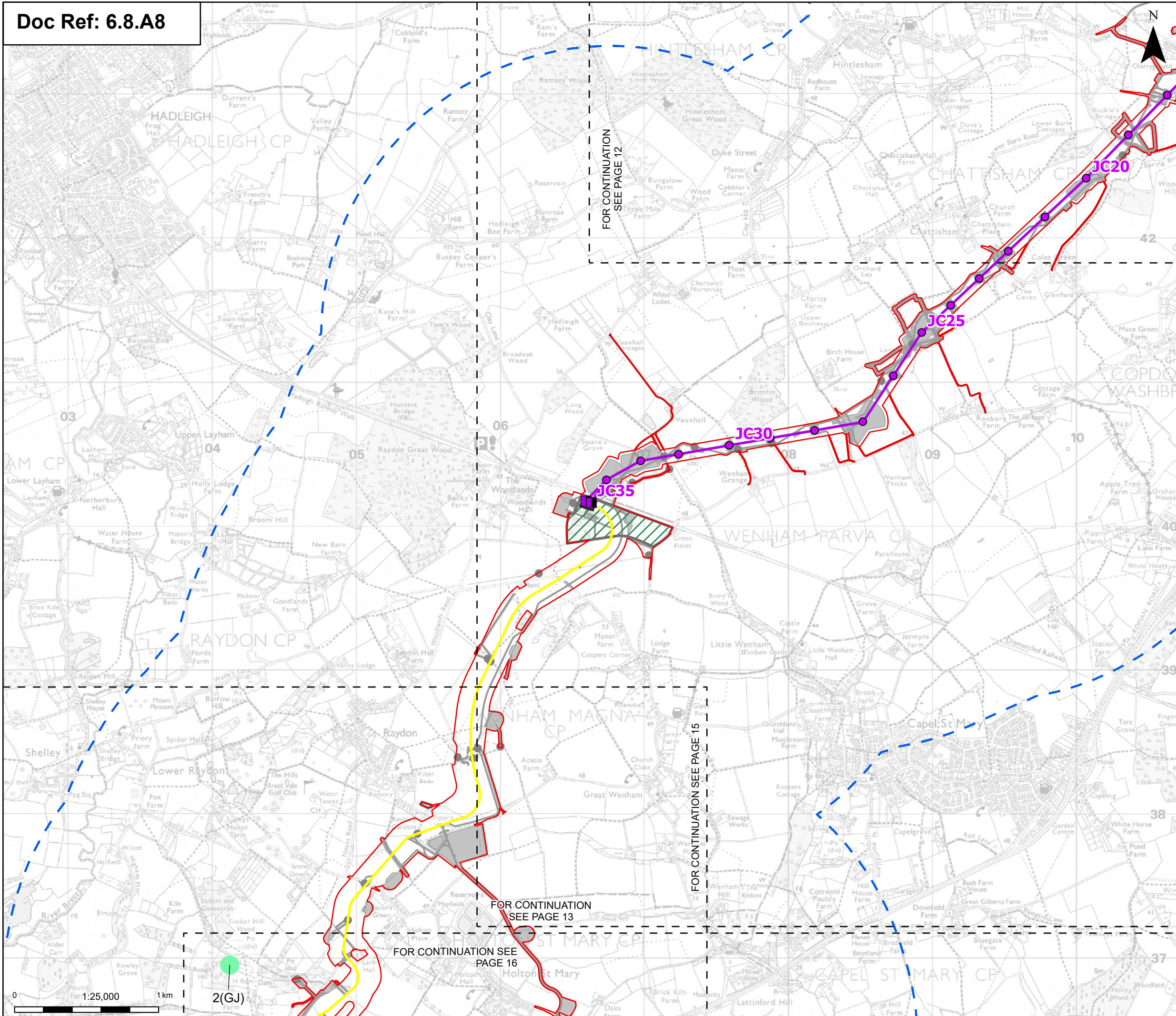
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Title: Figure A8.8.12 - Ecology and Biodiversity
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Wildfowl (Desk Study Data 2013-2022)
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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

Discipline specific constraints

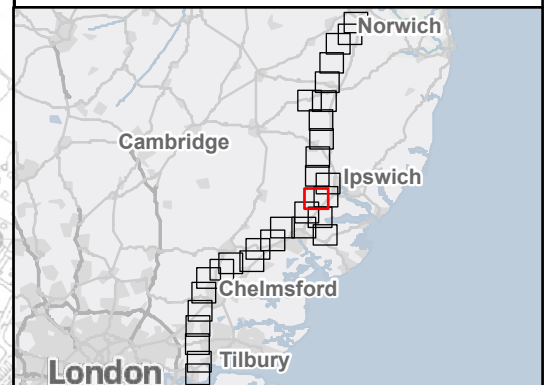
2 km Study Area

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)
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- Tufted duck (TD)
- Wigeon (WN)

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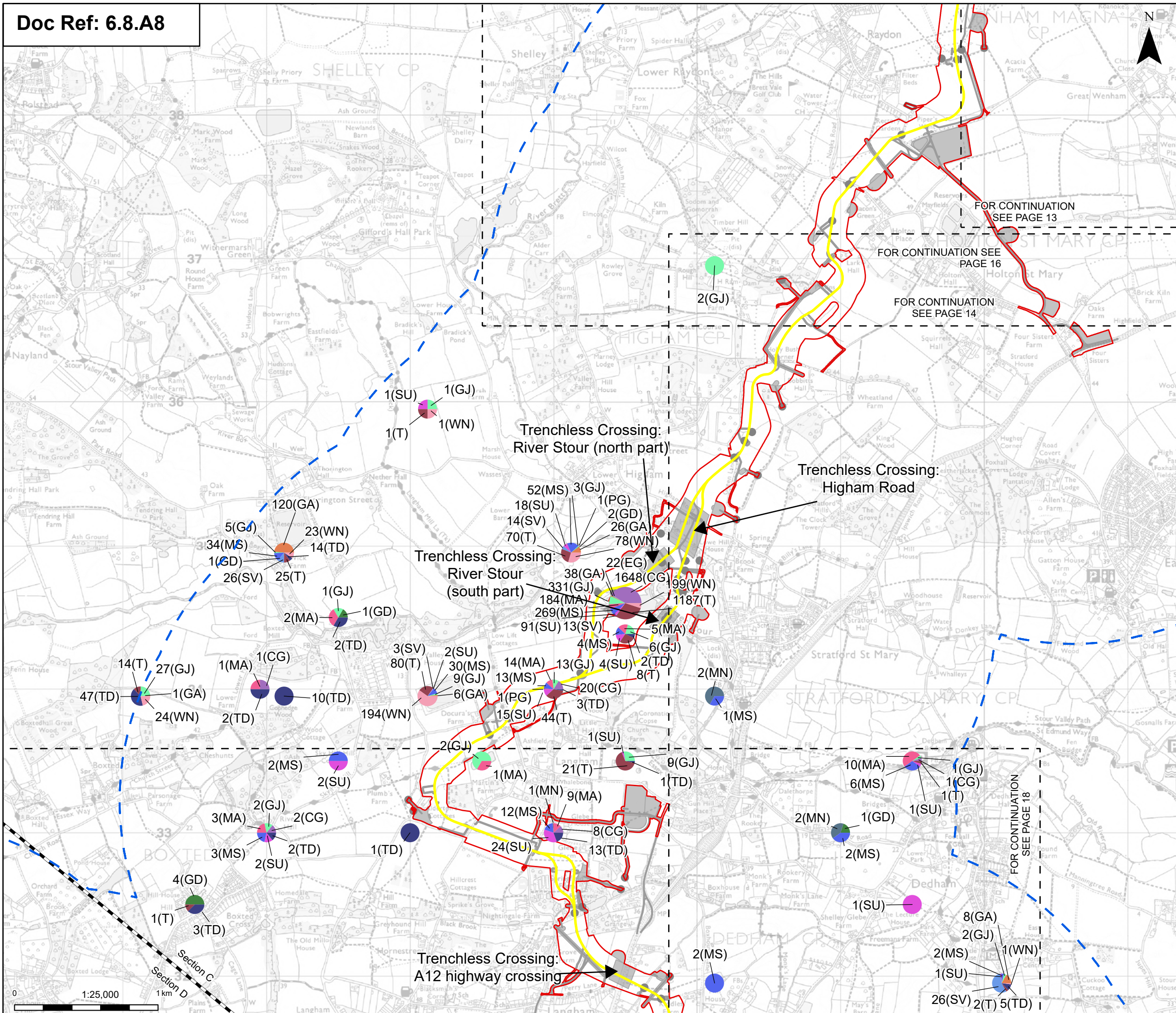
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Title: Figure A8.8.12 - Ecology and Biodiversity
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Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

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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 - 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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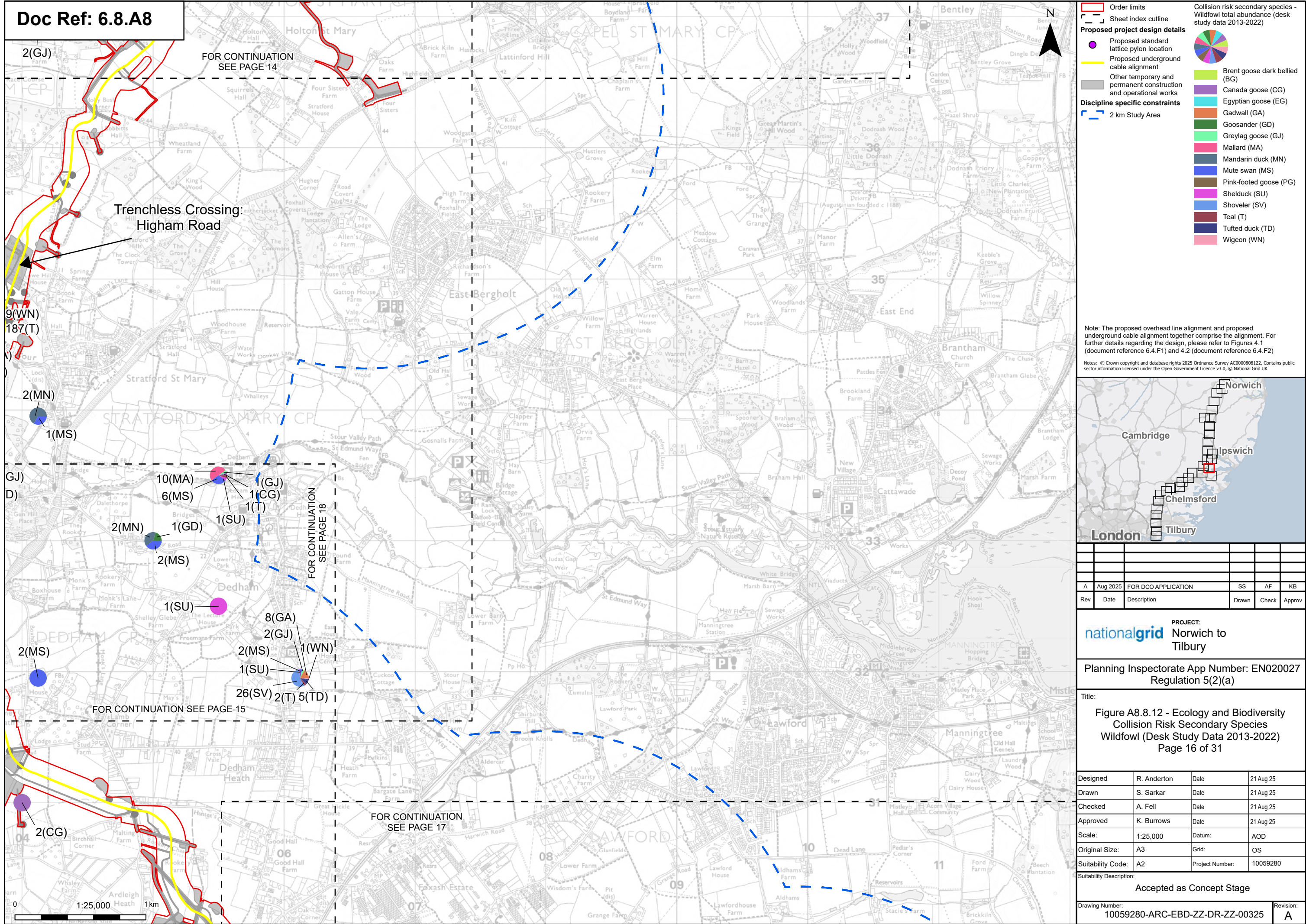
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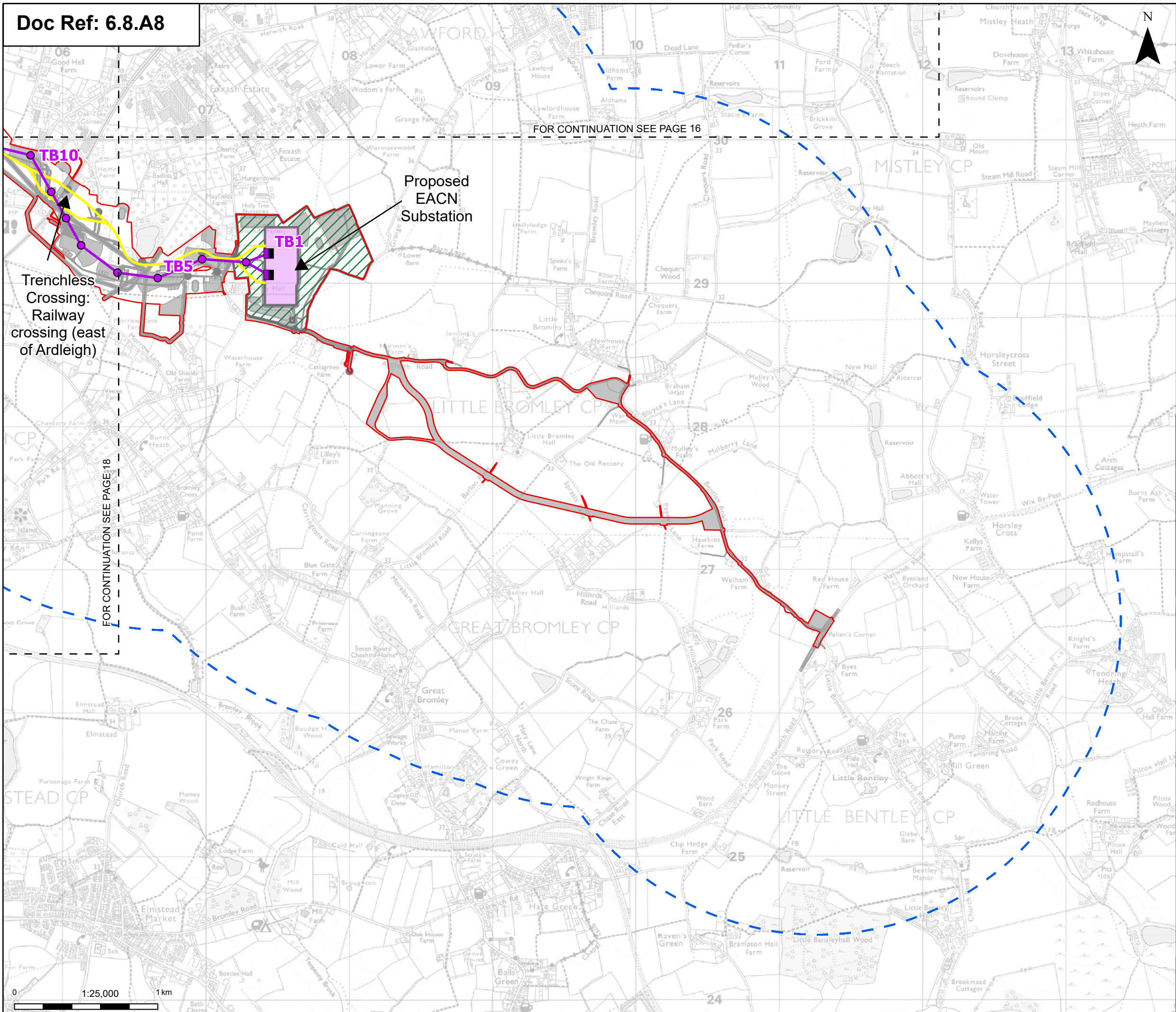
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Scale:	1:25,000	Datum:	AOD
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Proposed standard lattice pylon location

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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Shelduck (SU)

Shoveler (SV)

Teal (T)

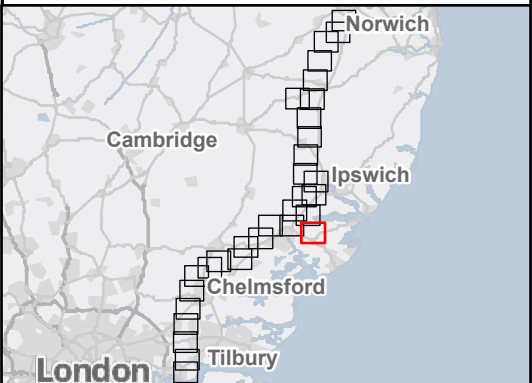
Tufted duck (TD)

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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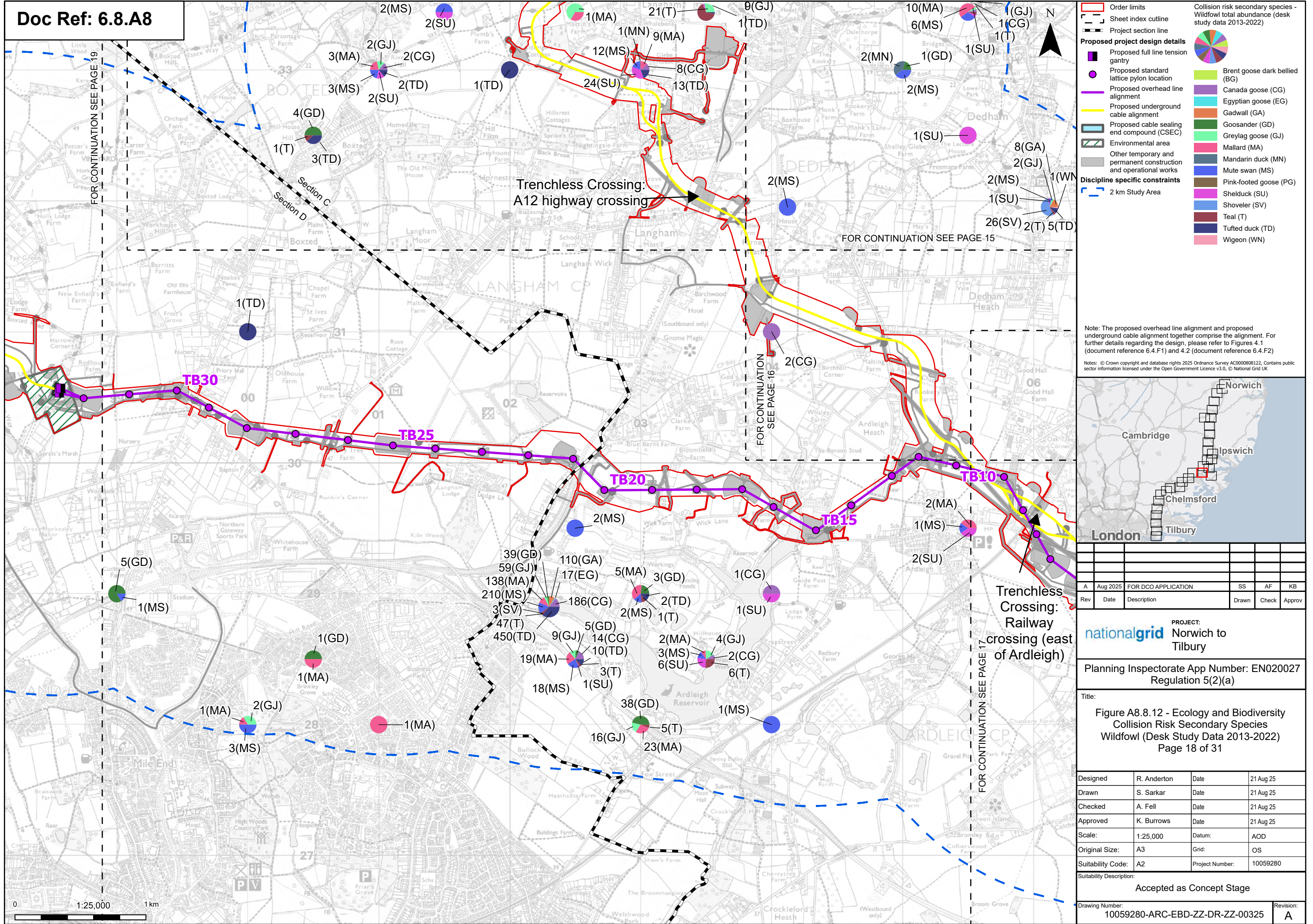
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Regulation 5(2)(a)

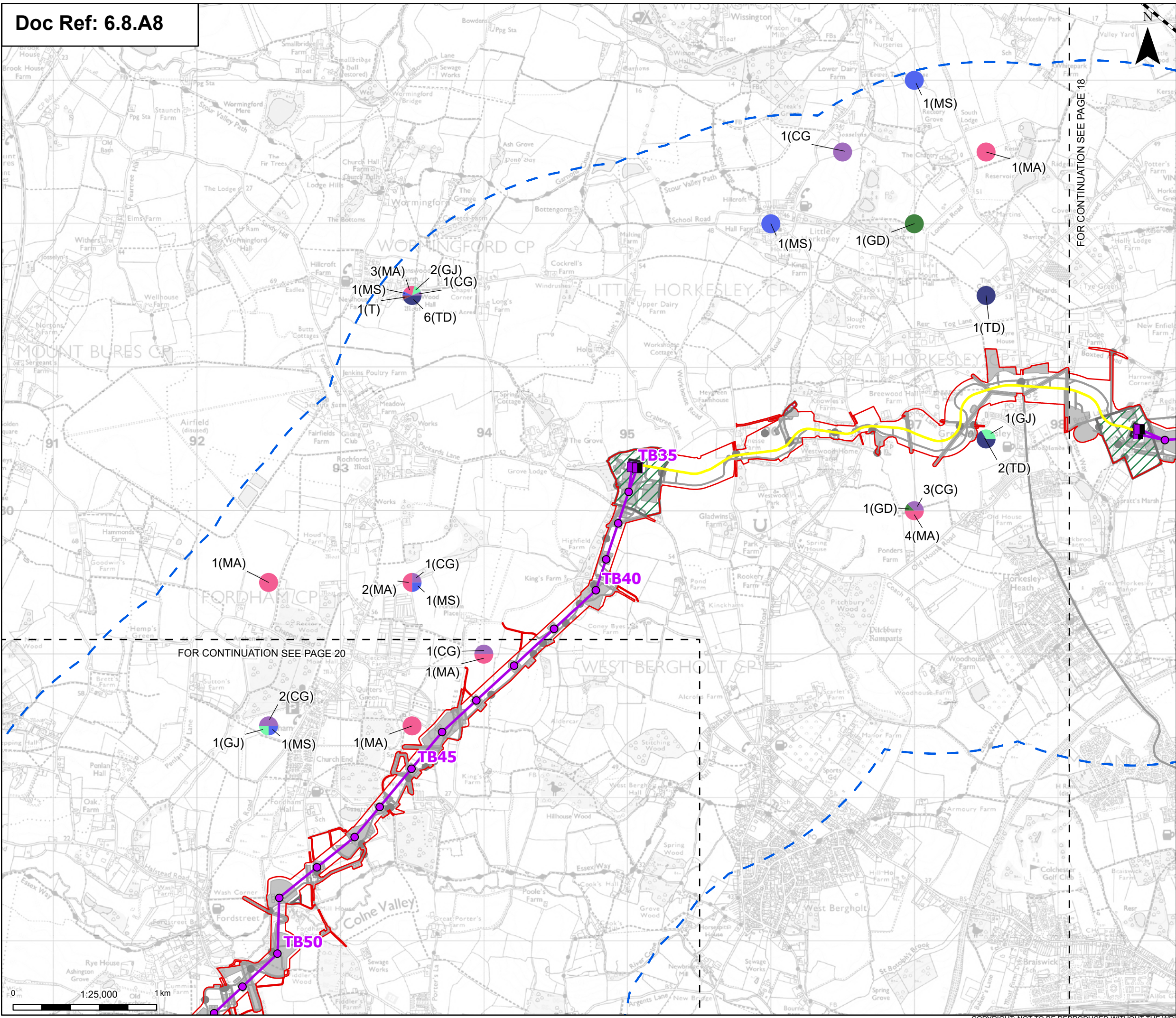
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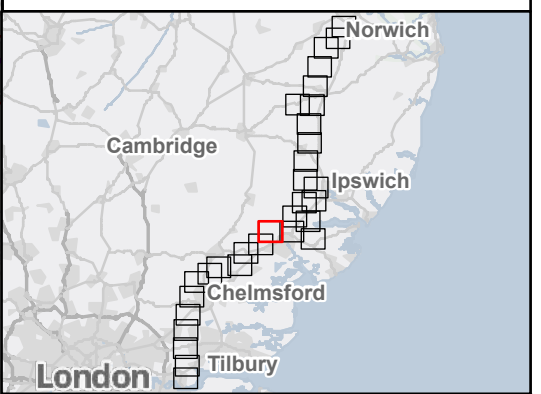
Discipline specific constraints
2 km Study Area

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

- Brent goose dark bellied (BG)
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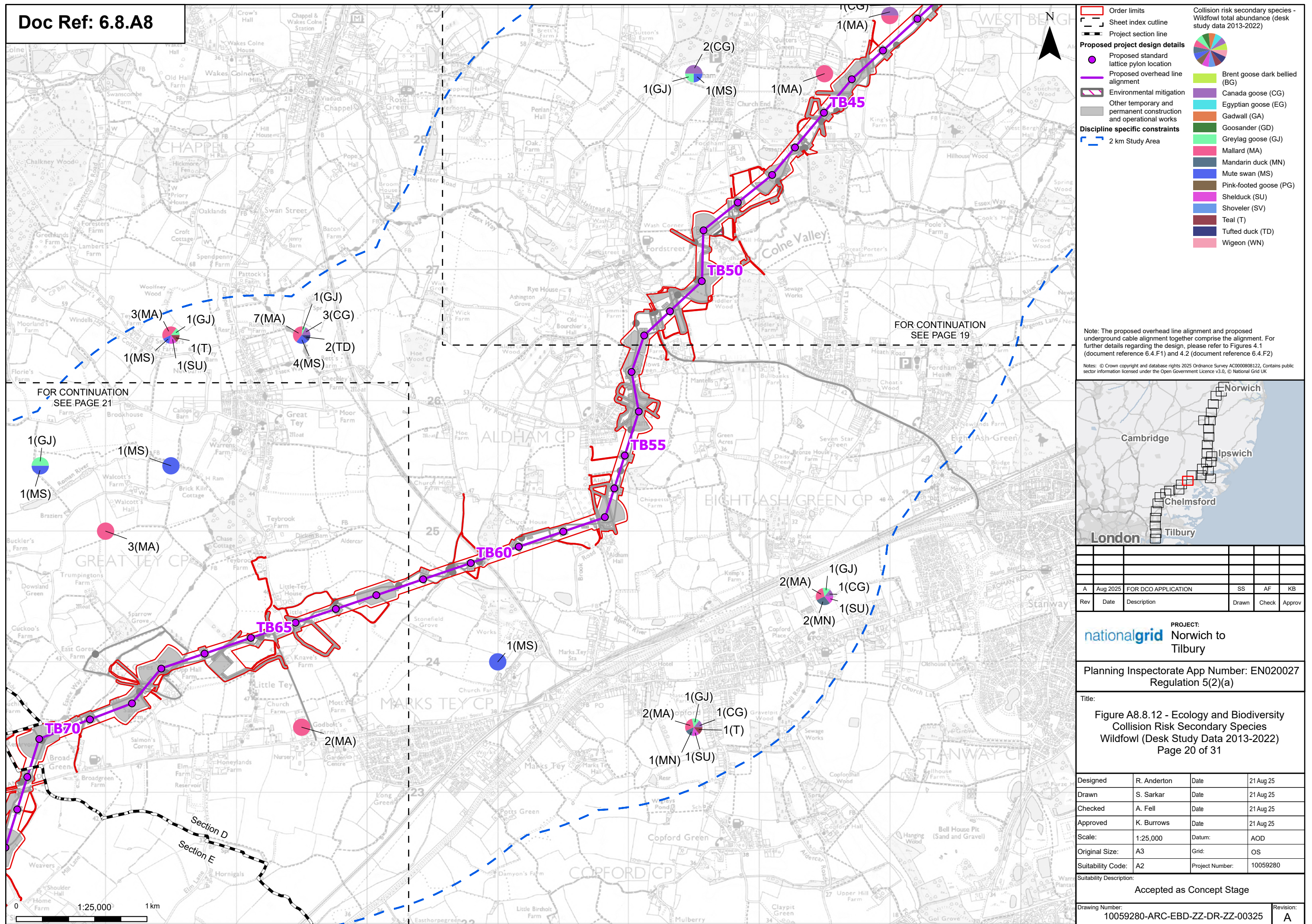
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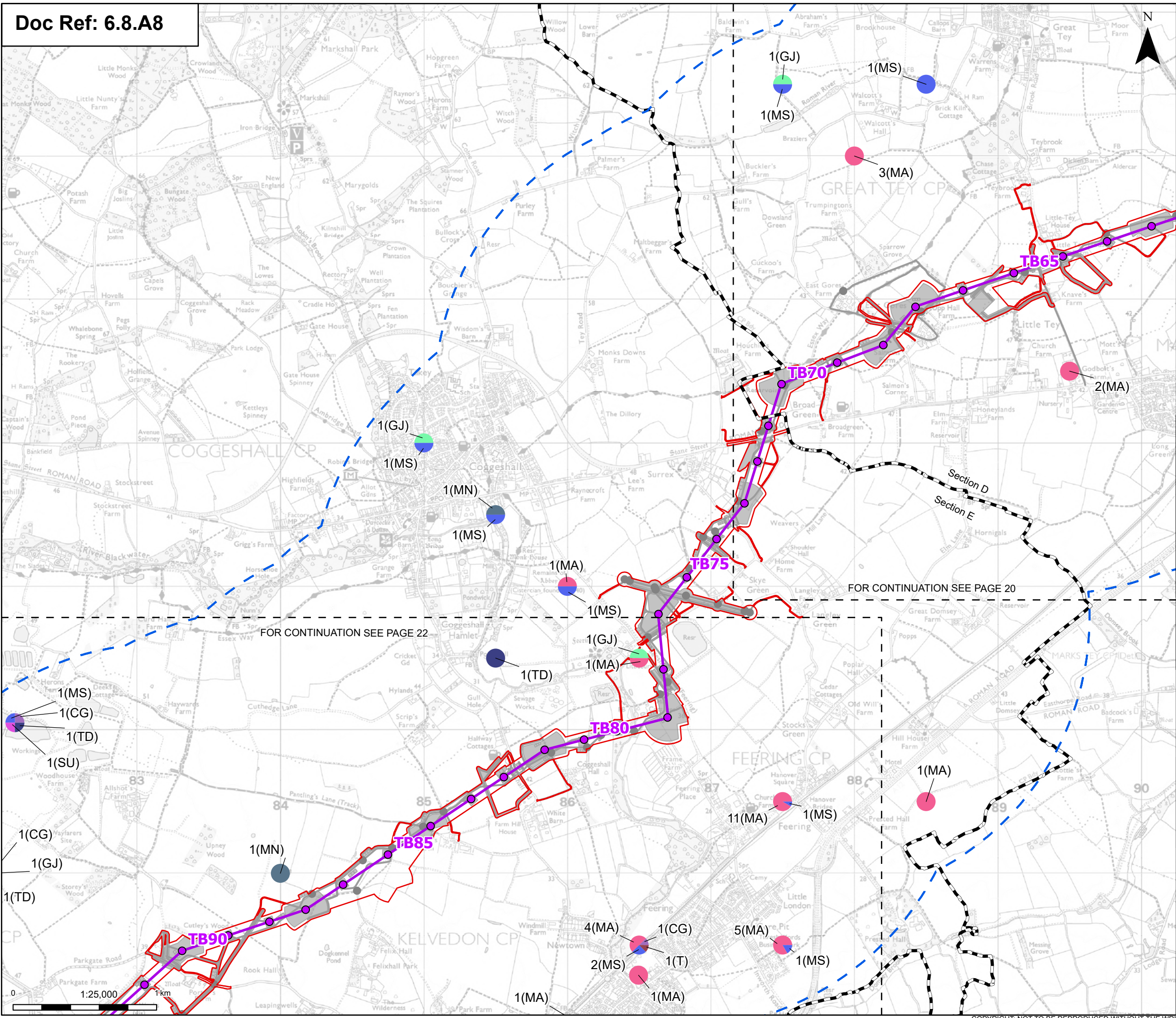
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Proposed standard lattice pylon location

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2 km Study Area

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Shoveler (SV)

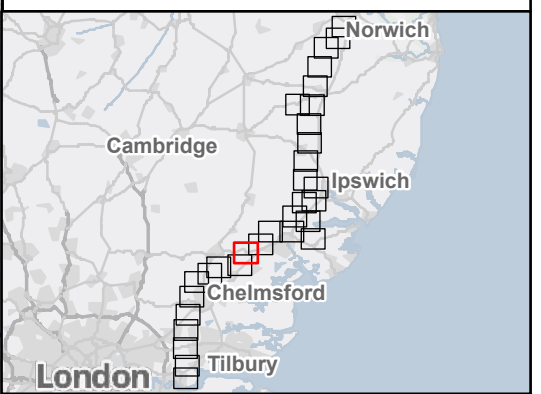
Teal (T)

Tufted duck (TD)

Wigeon (WN)

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

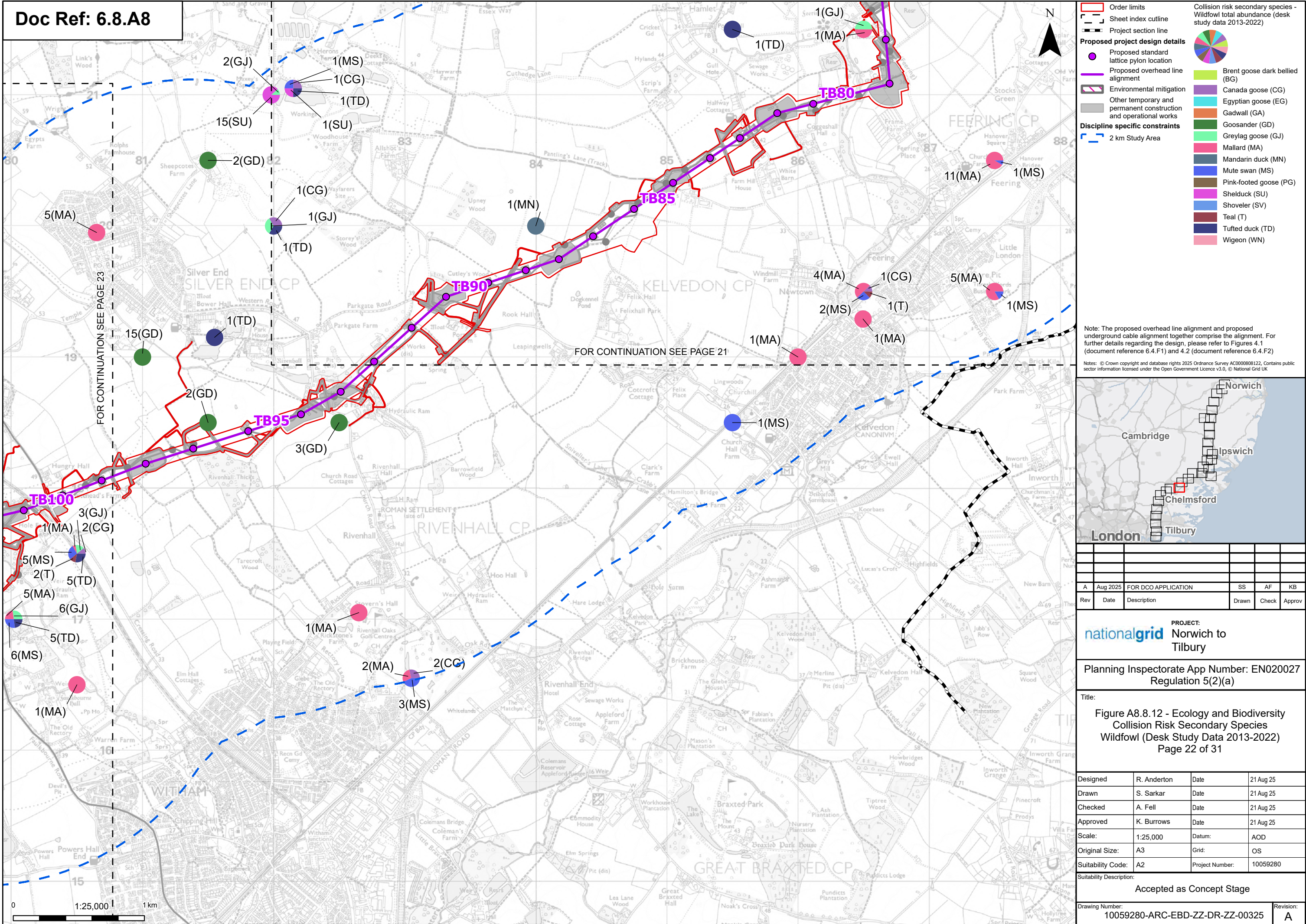
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**Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 21 of 31**

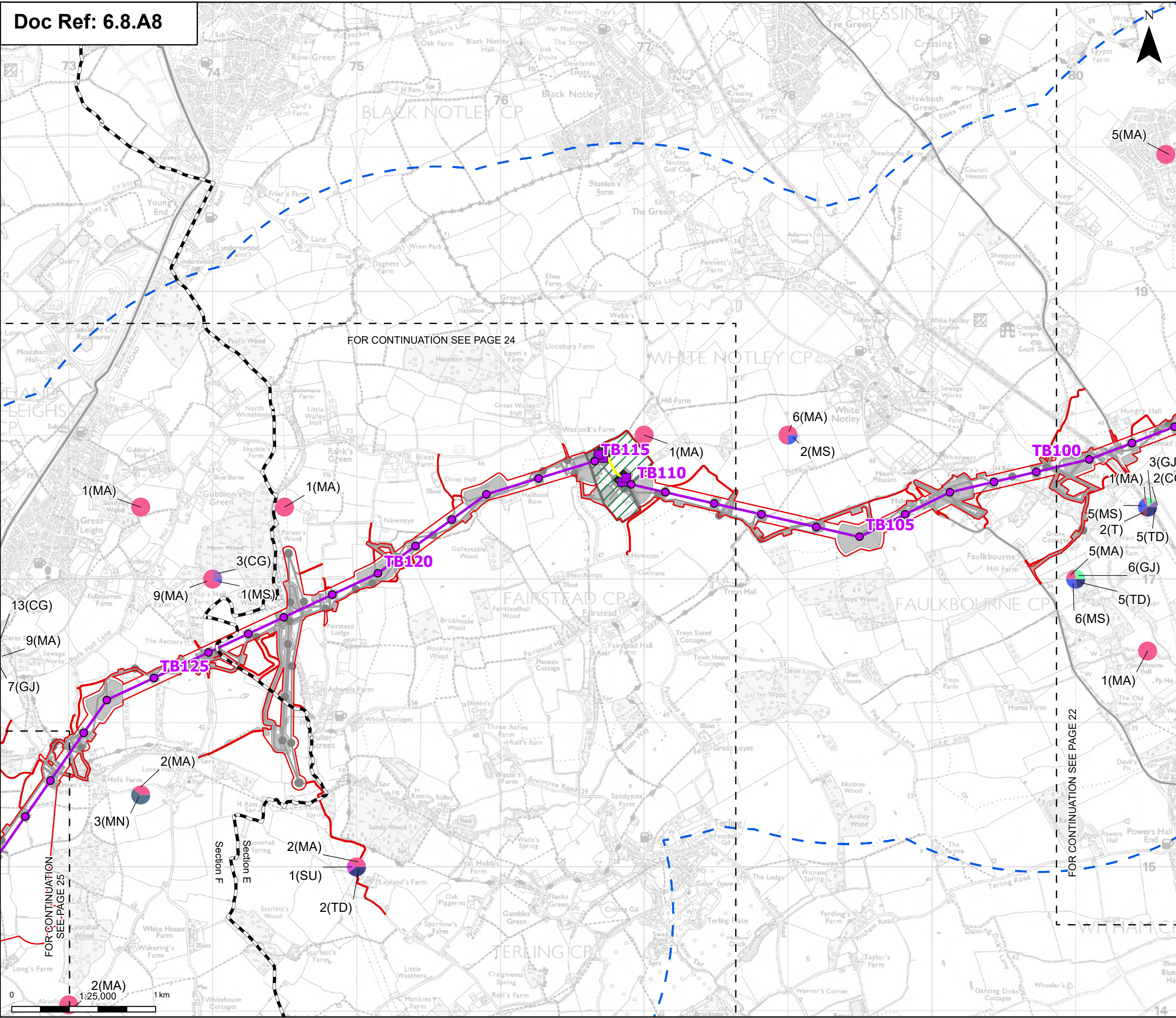
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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

Discipline specific constraints

- 2 km Study Area

Collision risk 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)

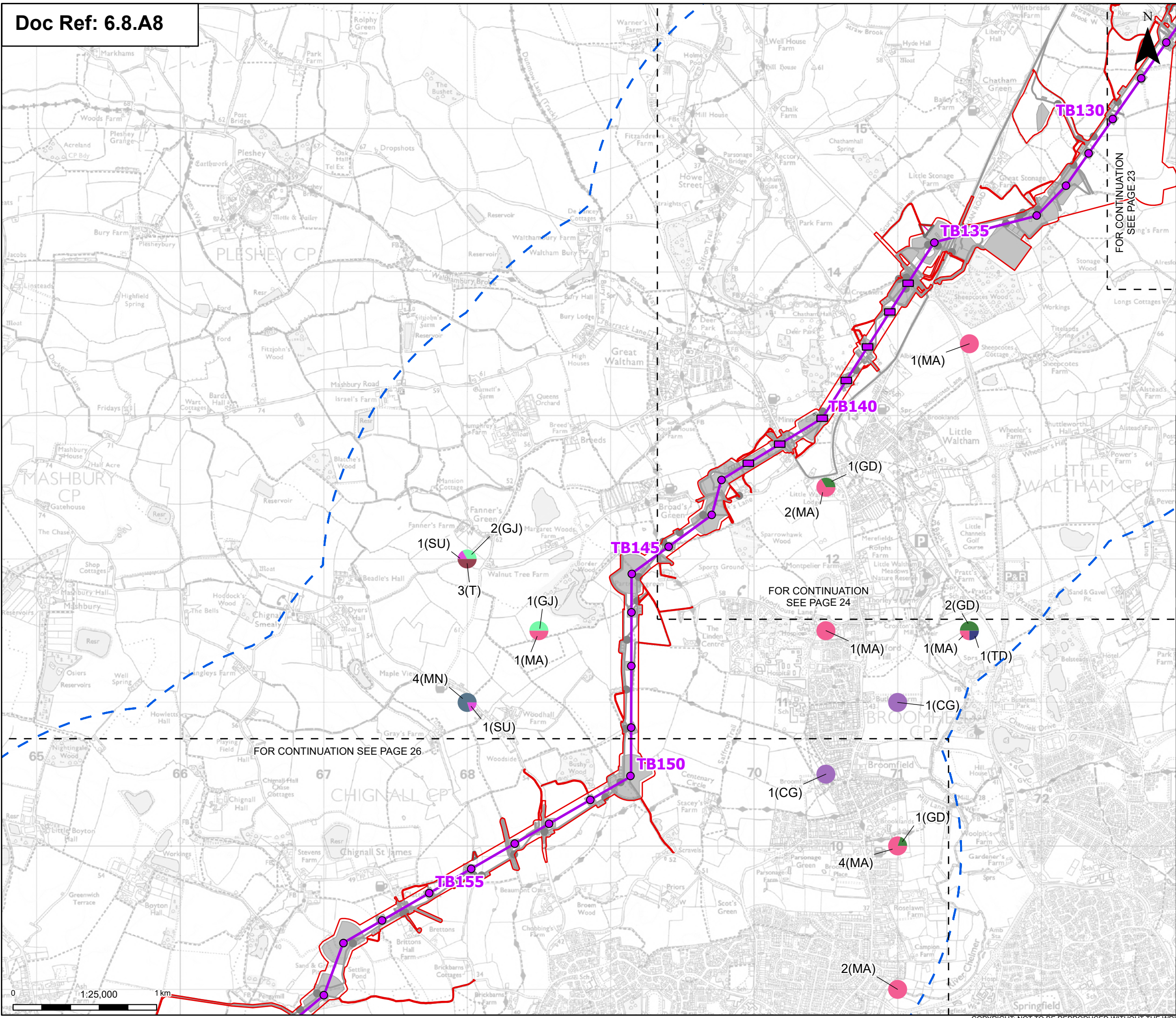
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PROJECT: Norwich to Tilbury

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

Title: Figure A8.8.12 - Ecology and Biodiversity Collision Risk Secondary Species Wildfowl (Desk Study Data 2013-2022) Page 23 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
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

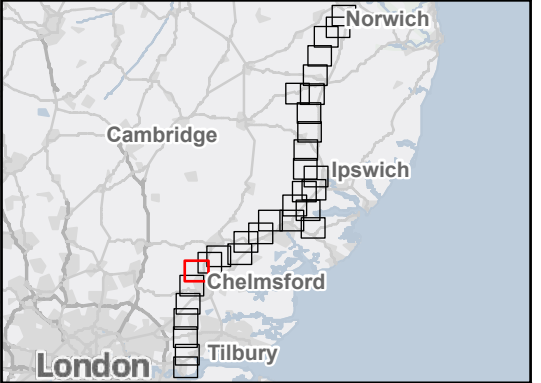
Discipline specific constraints
2 km Study Area

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)
- 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)

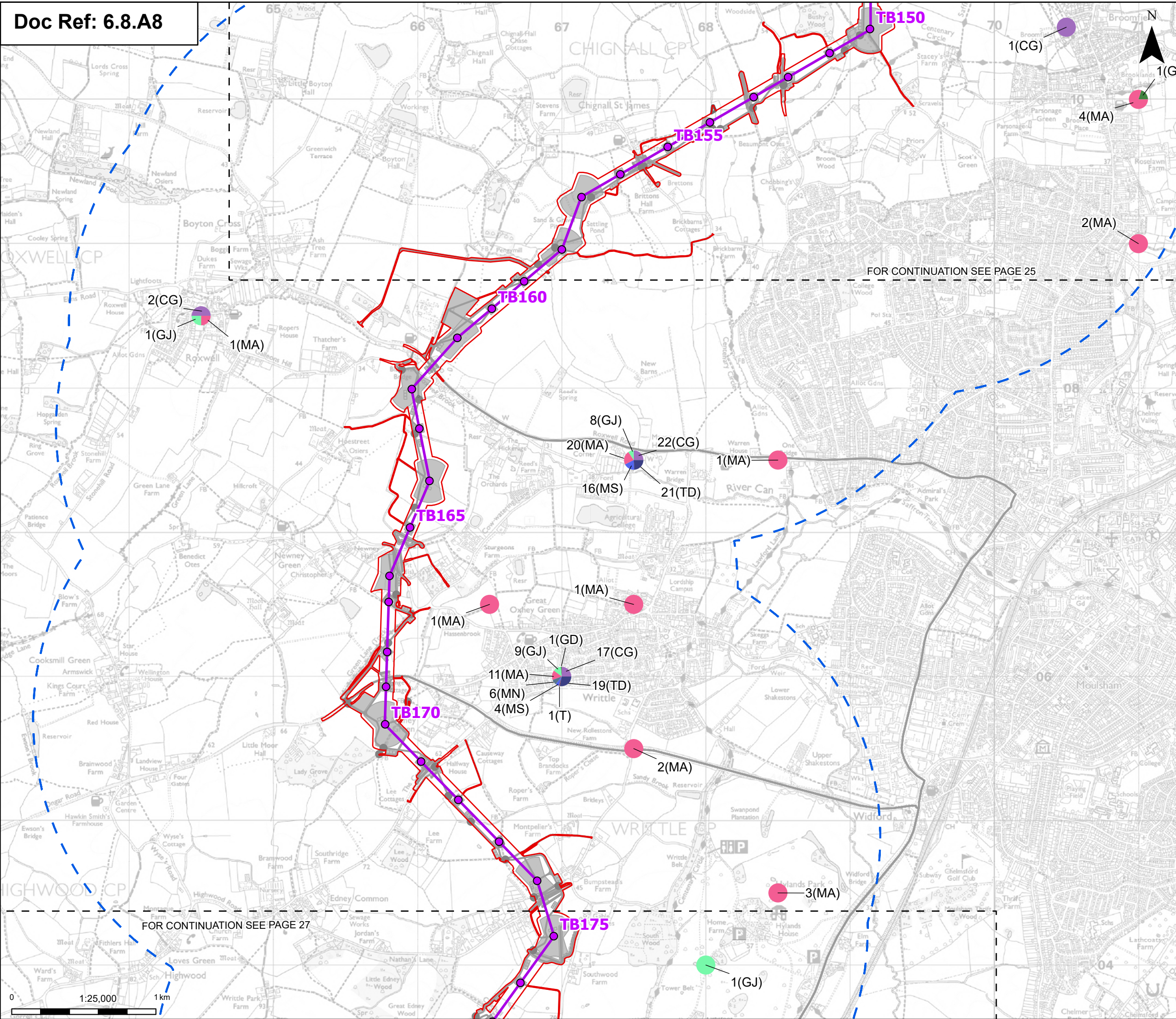
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Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 25 of 31

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
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 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)

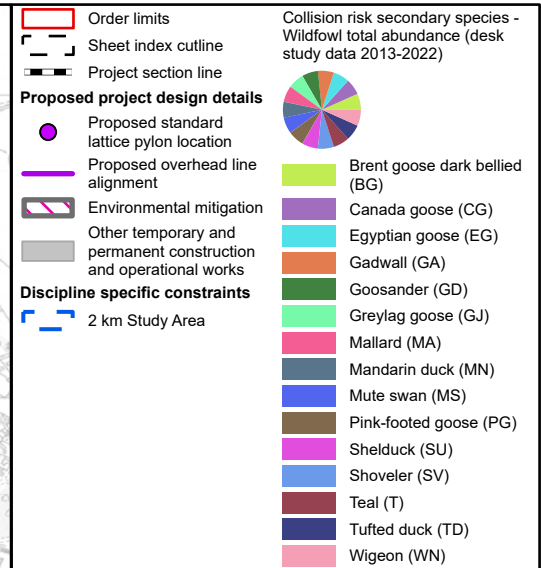
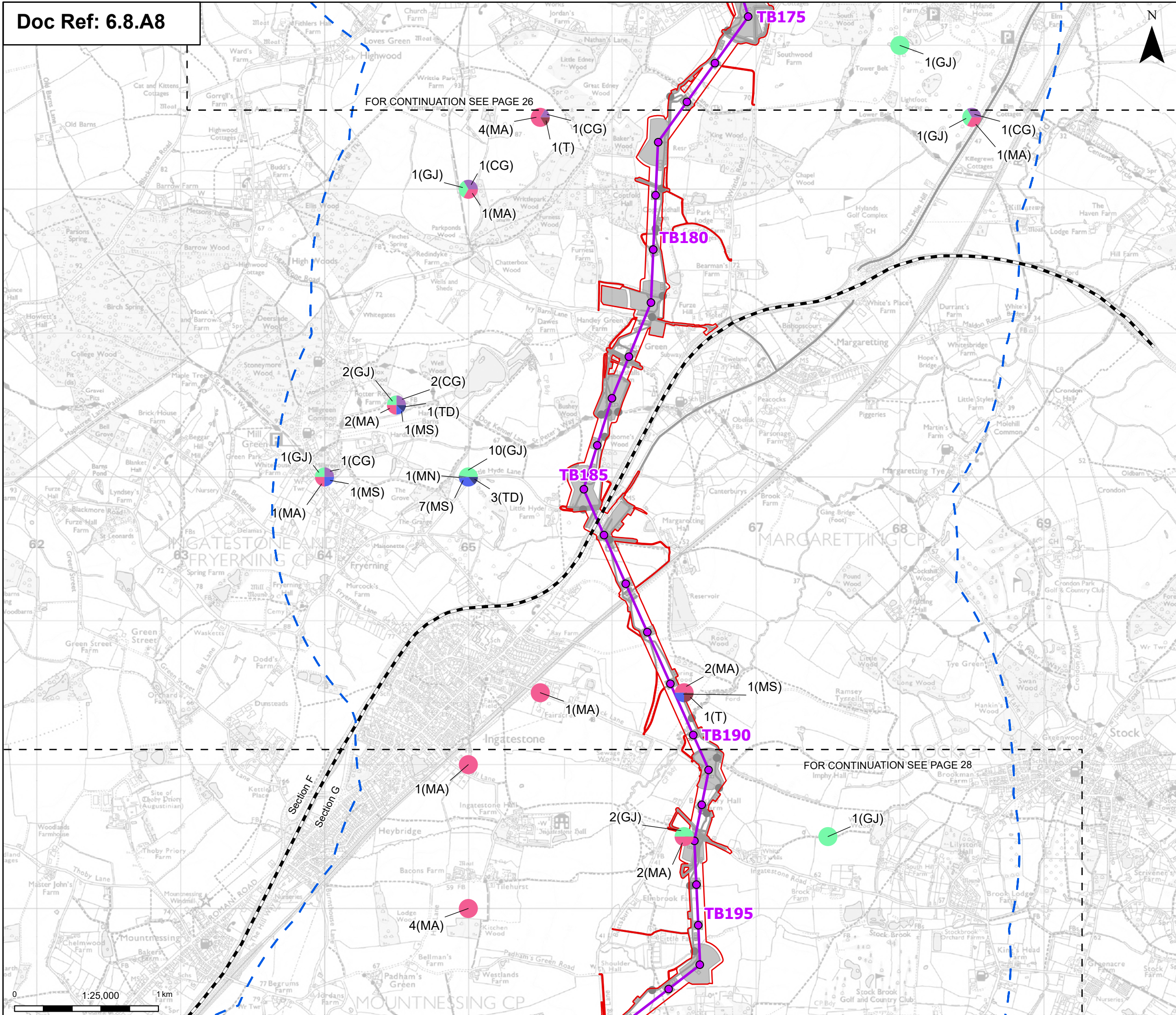
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Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Description:
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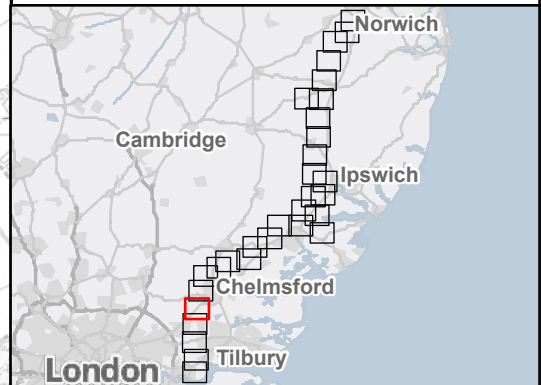
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Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
Norwich to
Tilbury

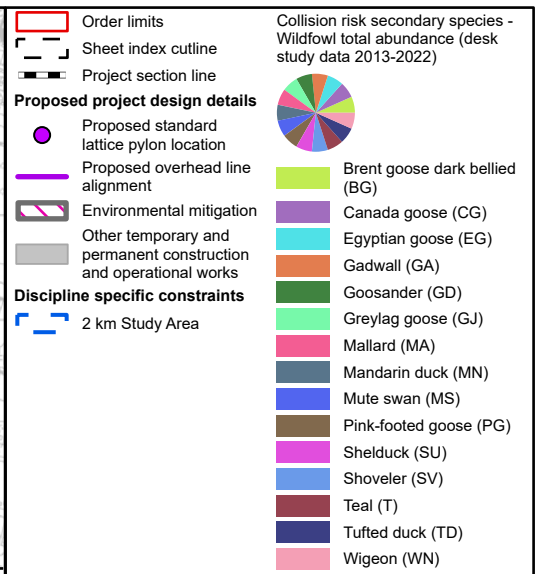
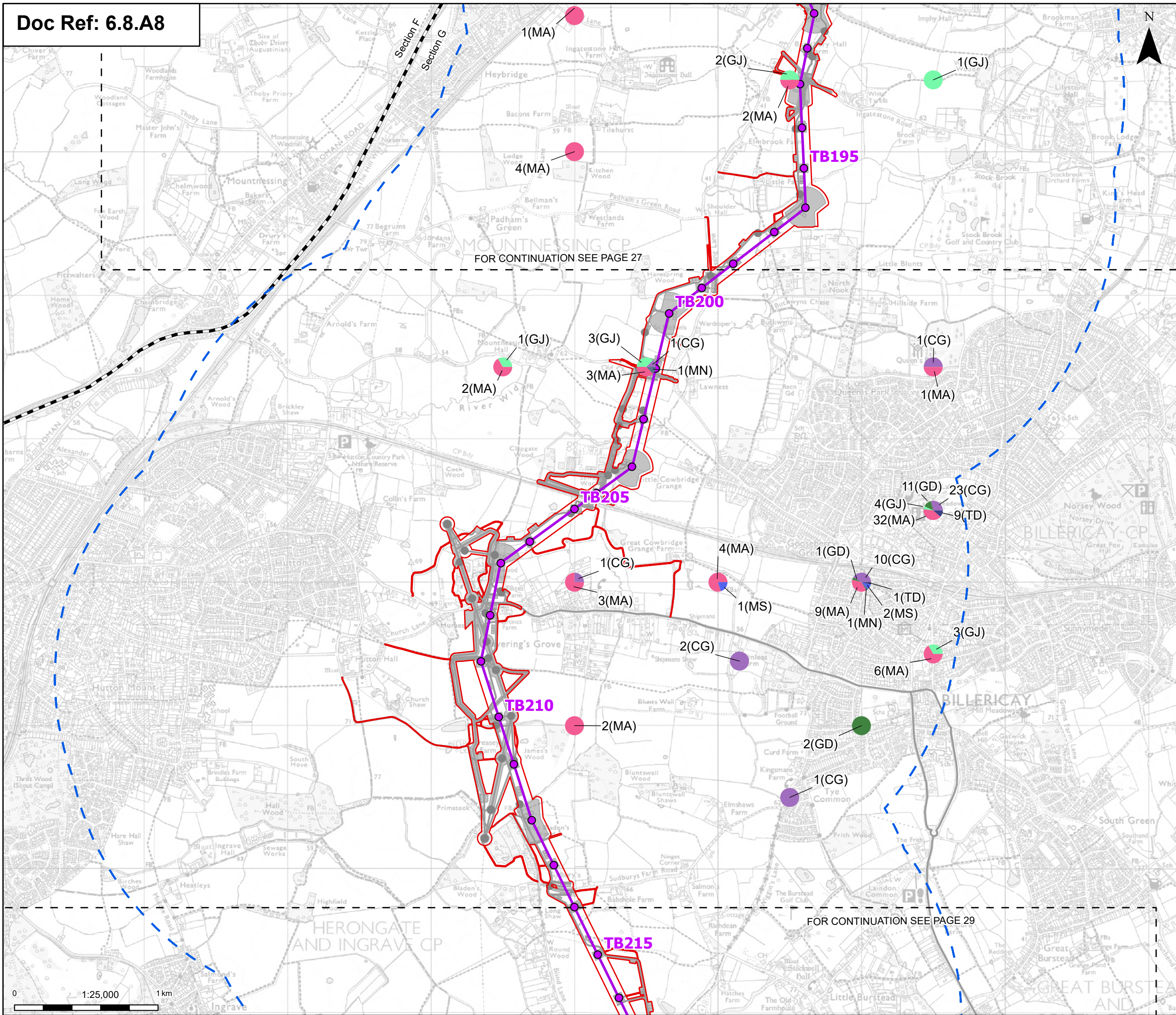
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Regulation 5(2)(a)

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

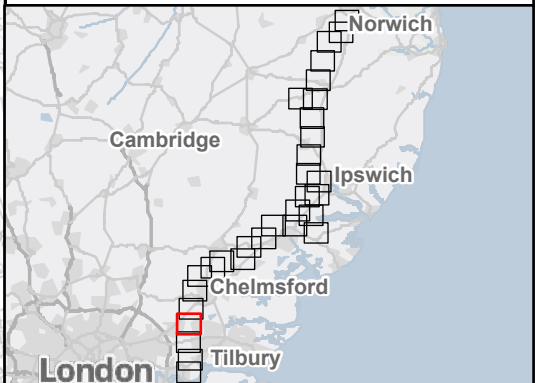
Accepted as Concept Stage

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



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

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PROJECT: **Norwich to Tilbury**

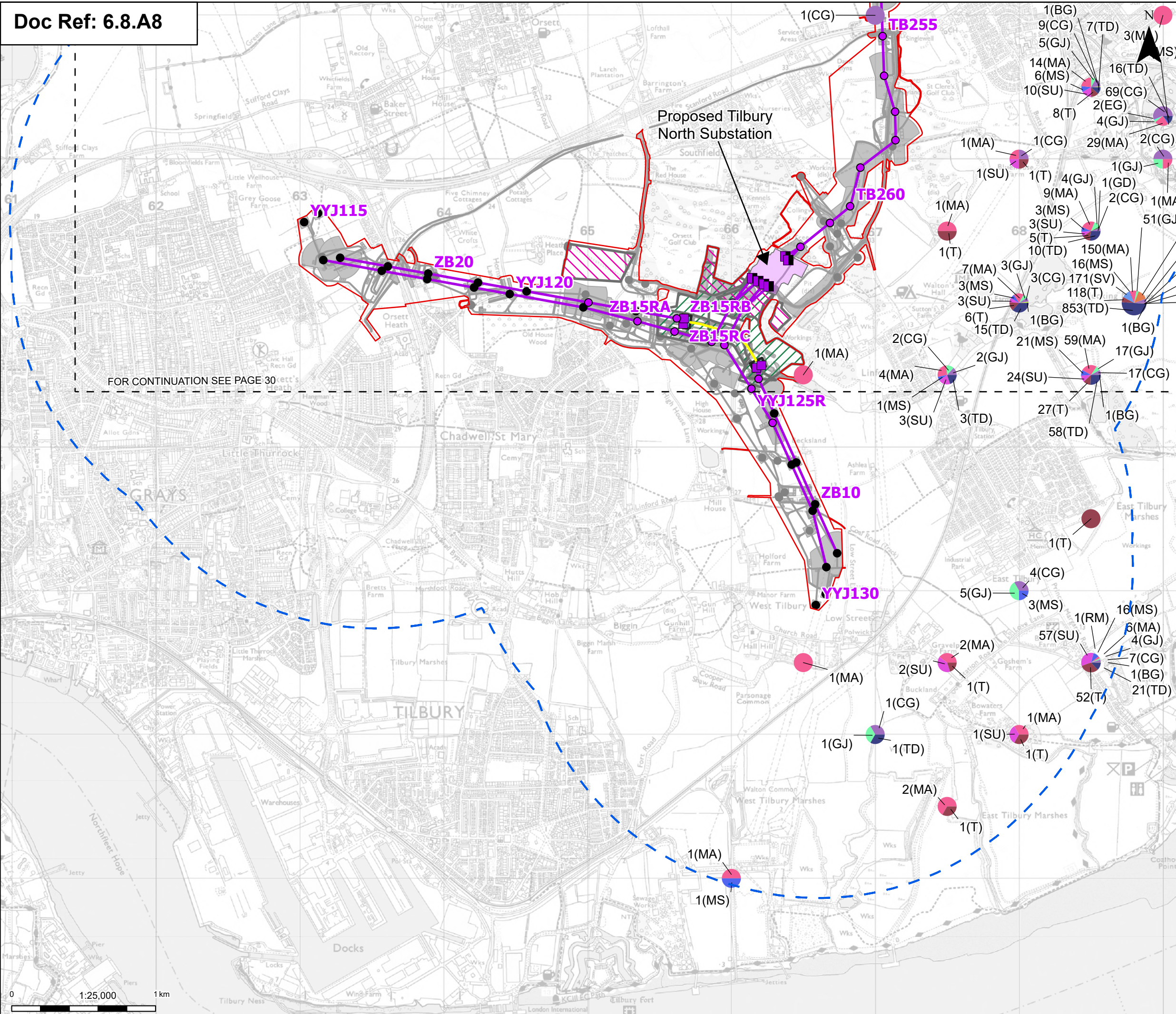
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Regulation 5(2)(a)

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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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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-00325
Revision: A



Order limits
Sheet index outline

Proposed project design details

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

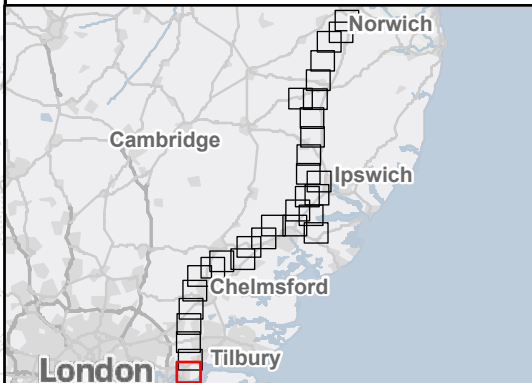
Discipline specific constraints
2 km Study Area

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:
nationalgrid Norwich to Tilbury

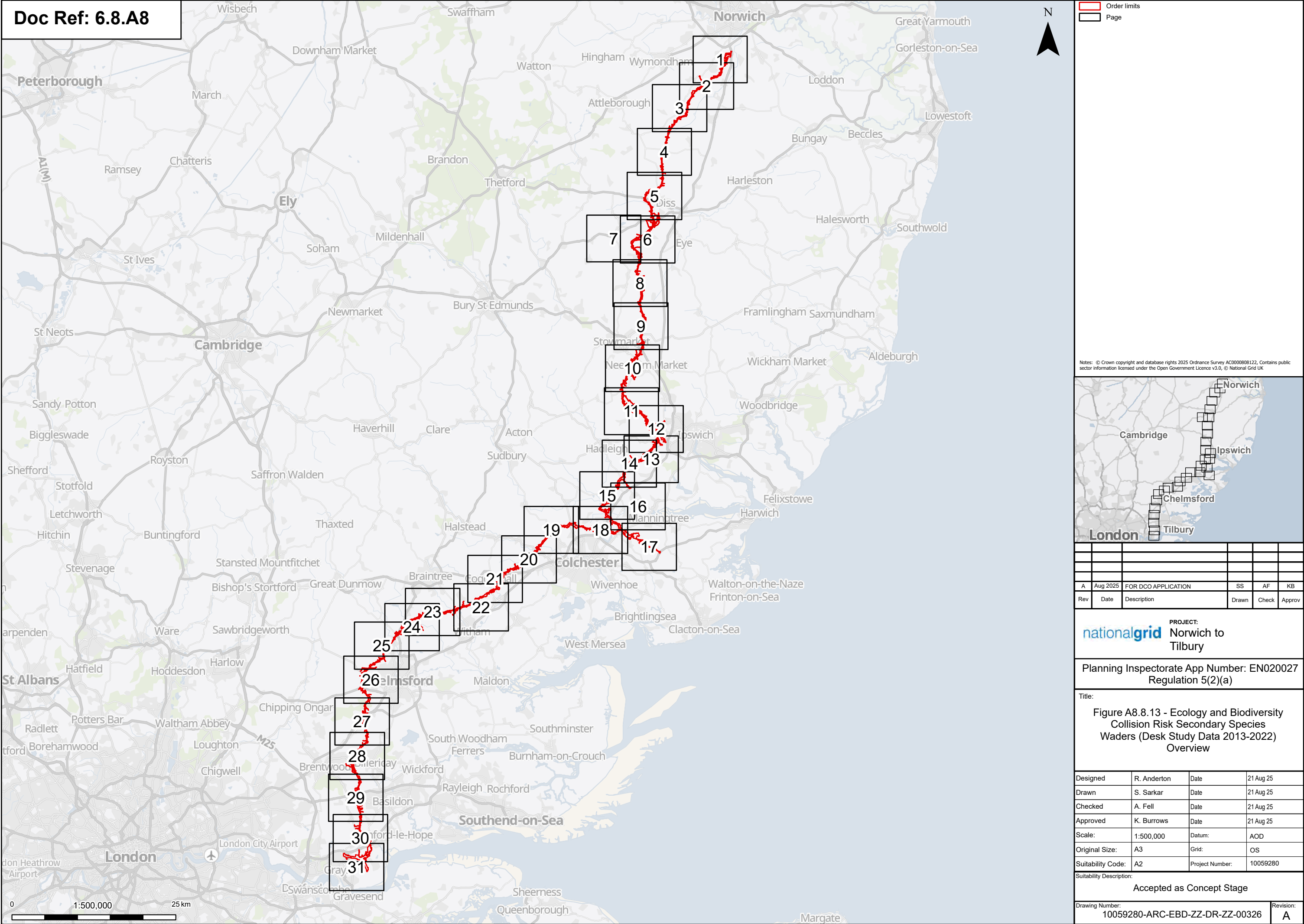
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Regulation 5(2)(a)

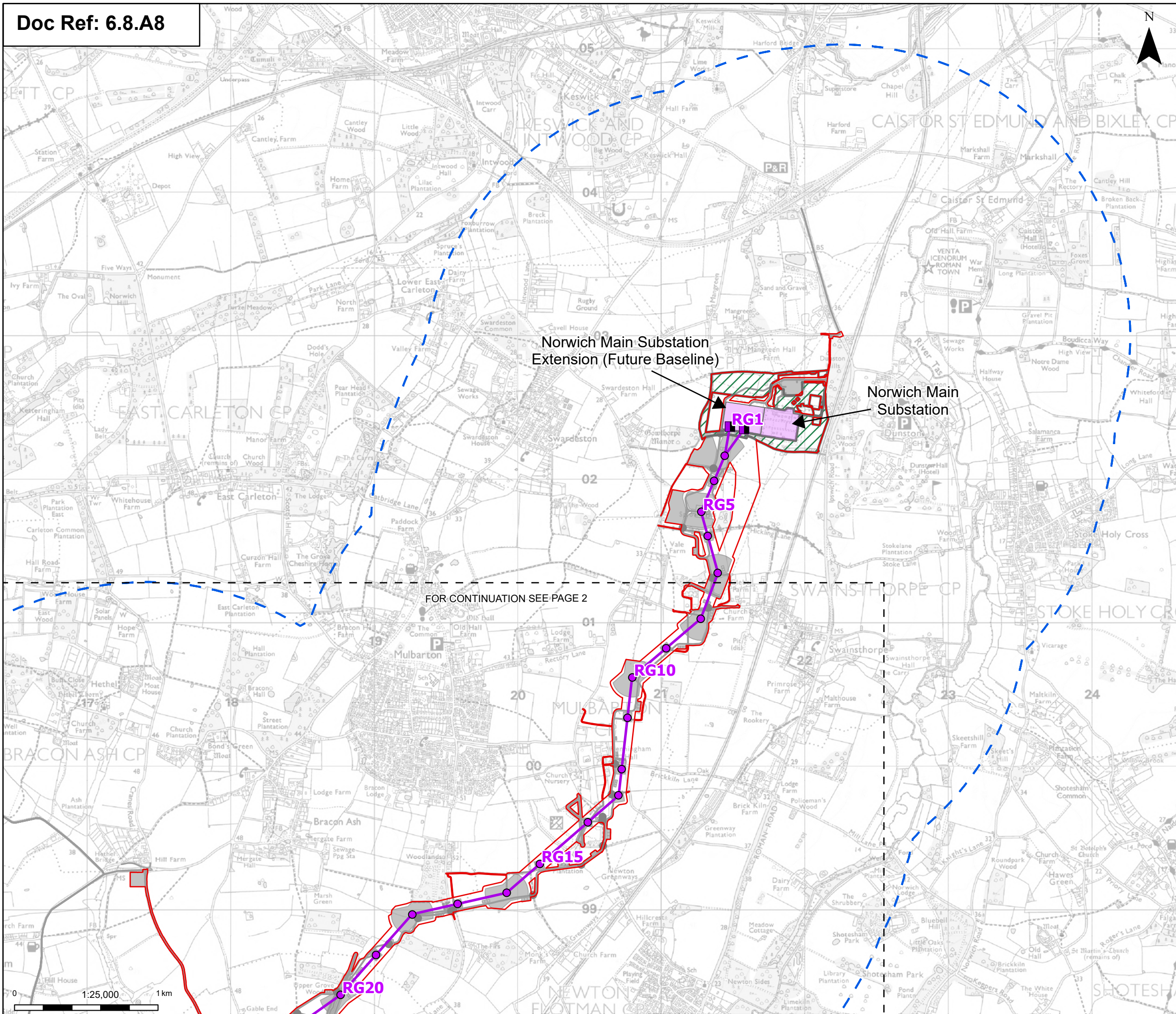
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Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	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:	10059280-ARC-EBD-ZZ-DR-ZZ-00325	Revision:	A
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Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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)

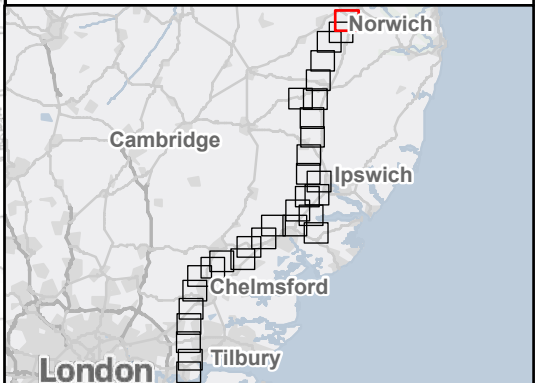
Sanderling (SS)

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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nationalgrid

PROJECT:

Norwich to Tilbury

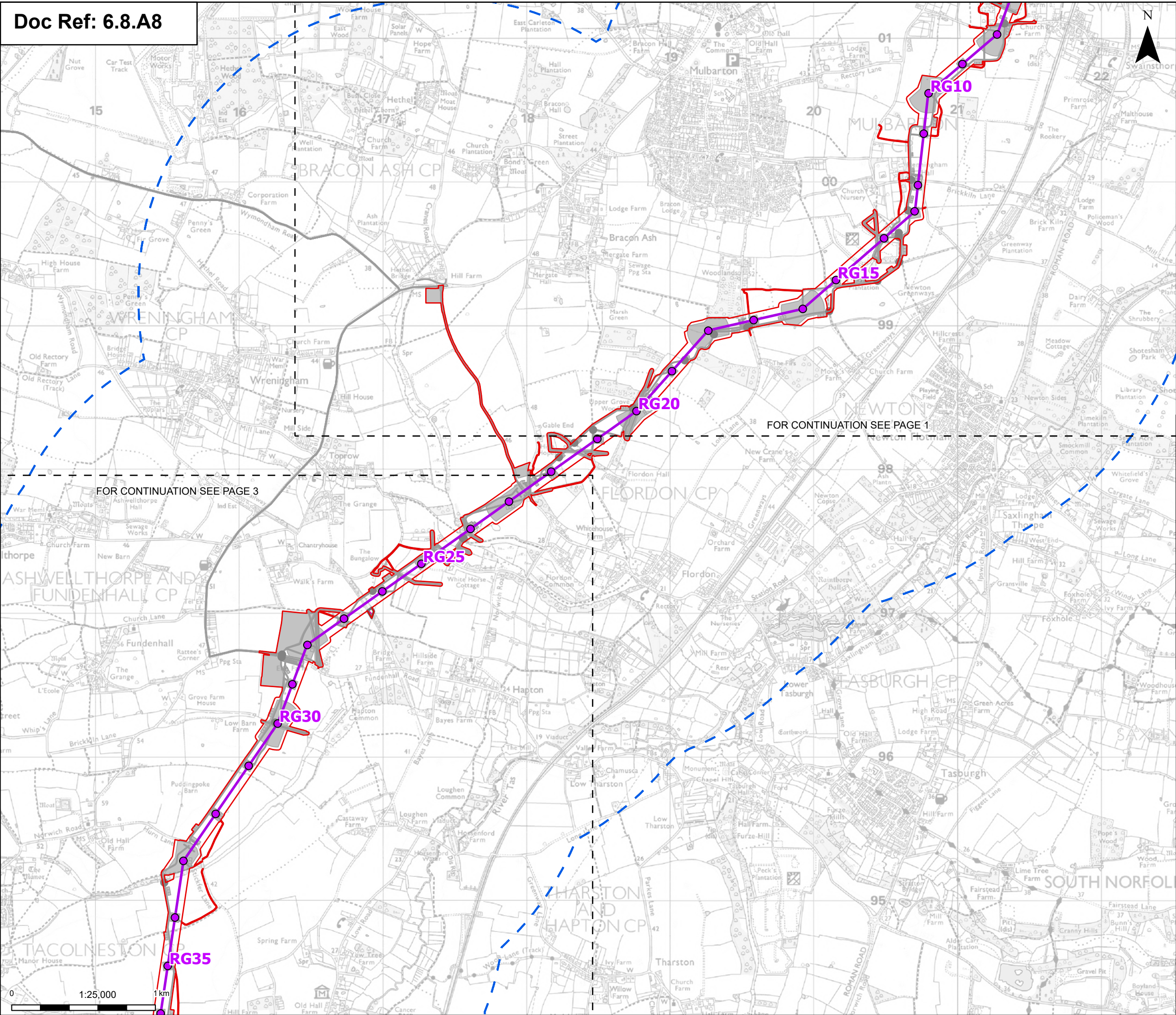
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Regulation 5(2)(a)

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
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 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 - 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)

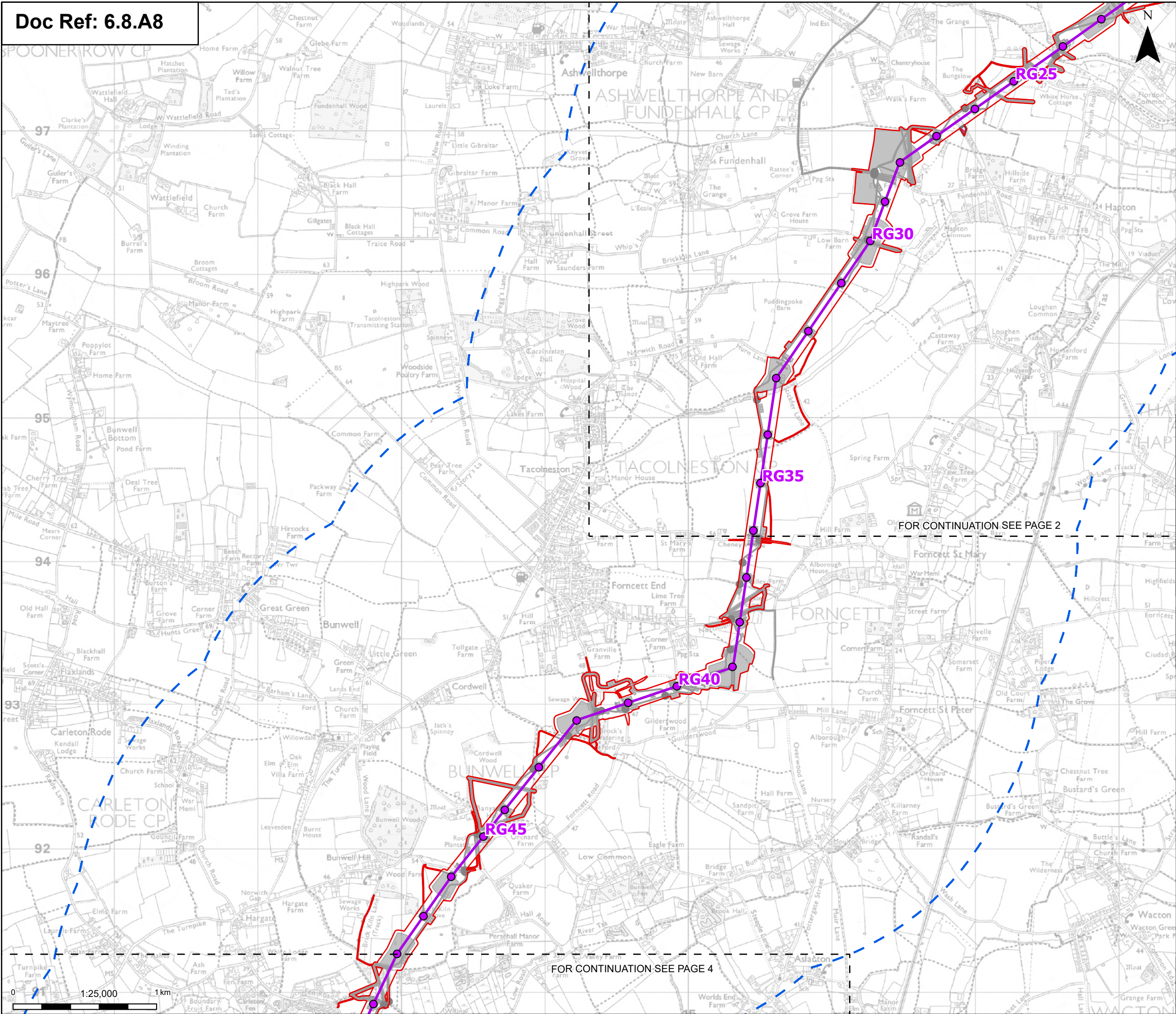
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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 2 of 31

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:
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Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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

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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
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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FOR CONTINUATION SEE PAGE 5

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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

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
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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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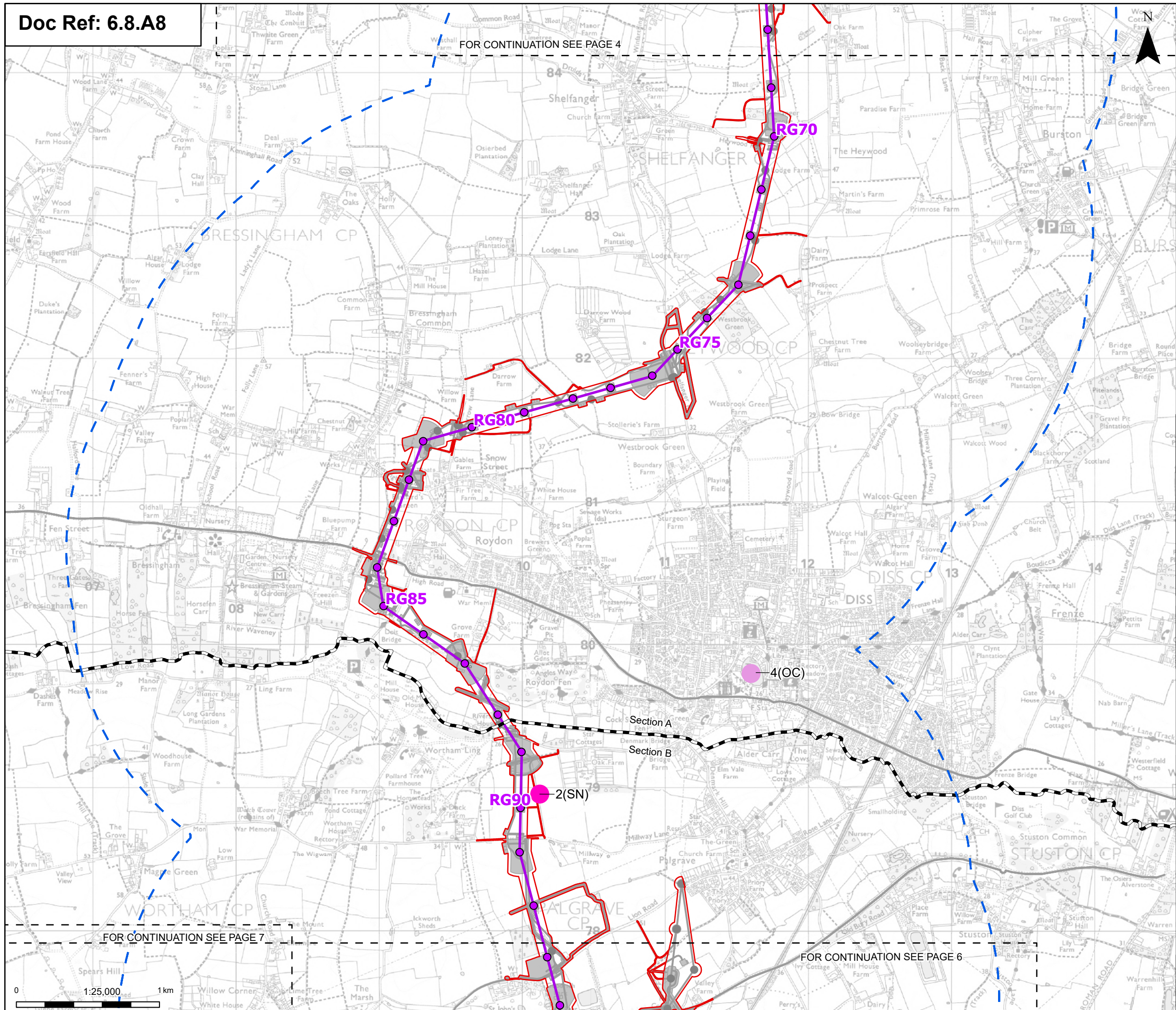
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Order limits

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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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

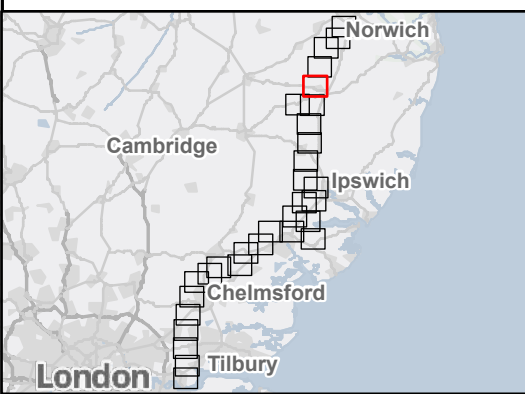
Snipe (SN)

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

Accepted as Concept Stage

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FOR CONTINUATION
SEE PAGE 7

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

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)

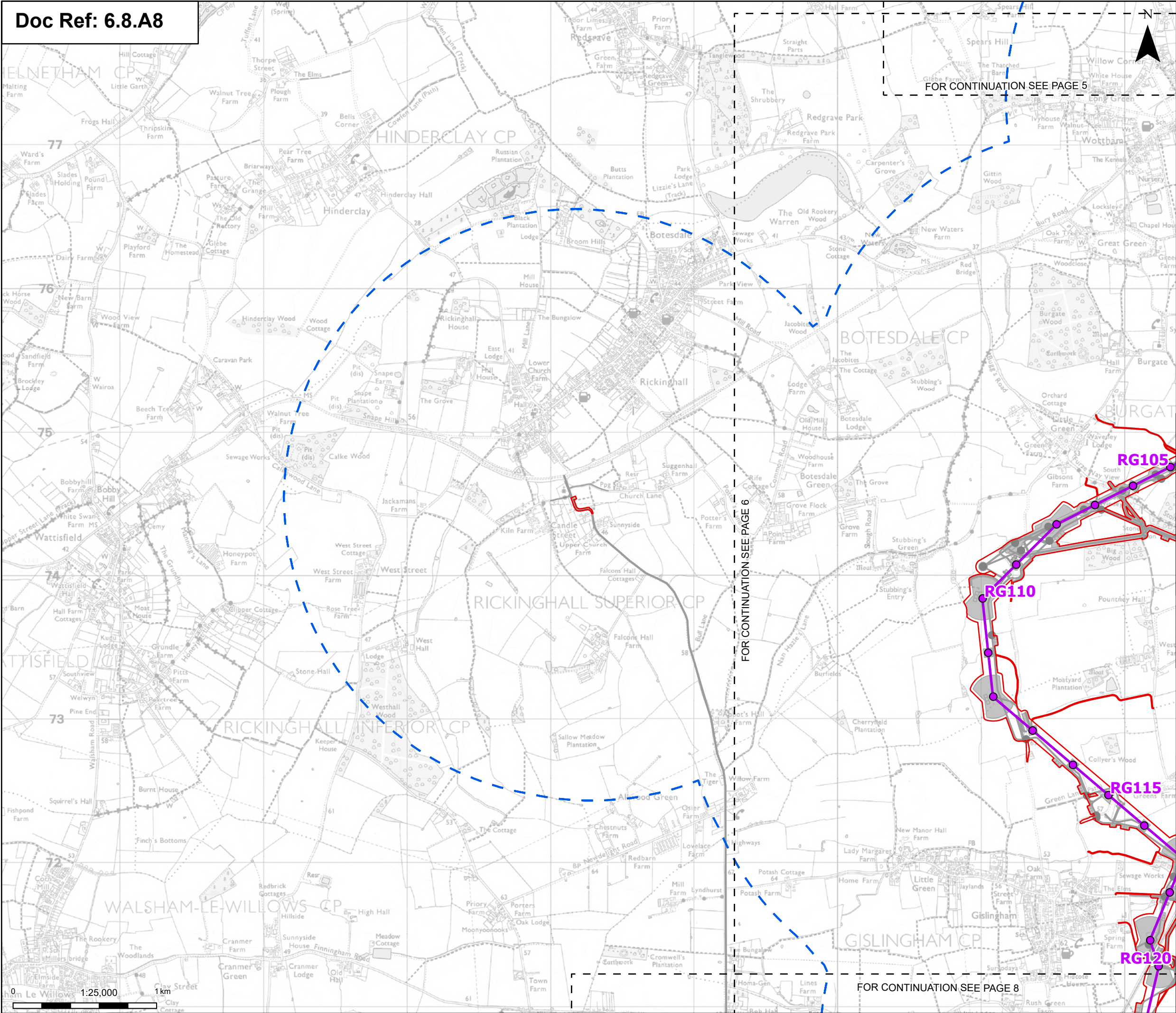
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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date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

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Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

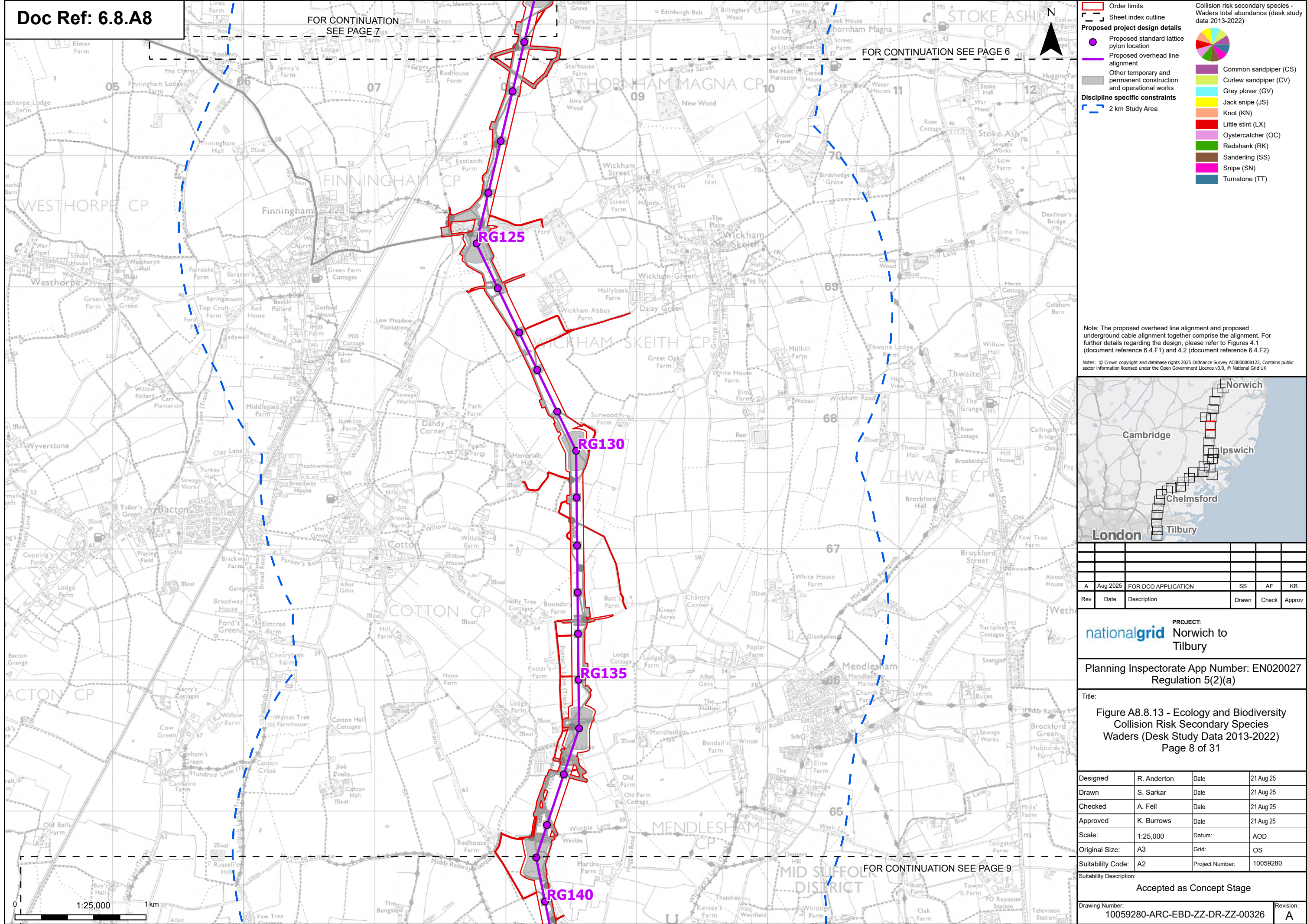
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Regulation 5(2)(a)

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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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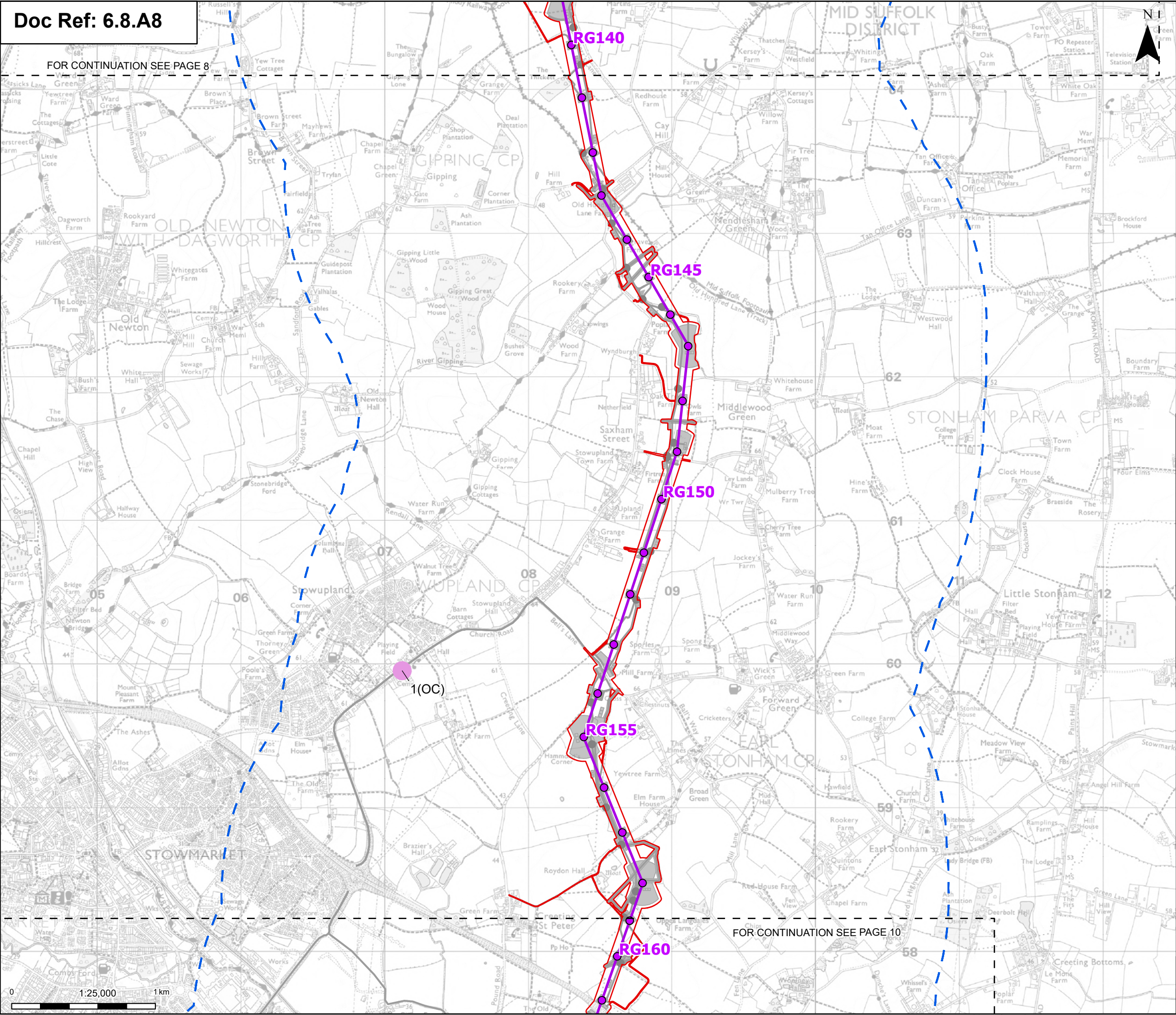
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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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nationalgrid

PROJECT:

Norwich to Tilbury

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

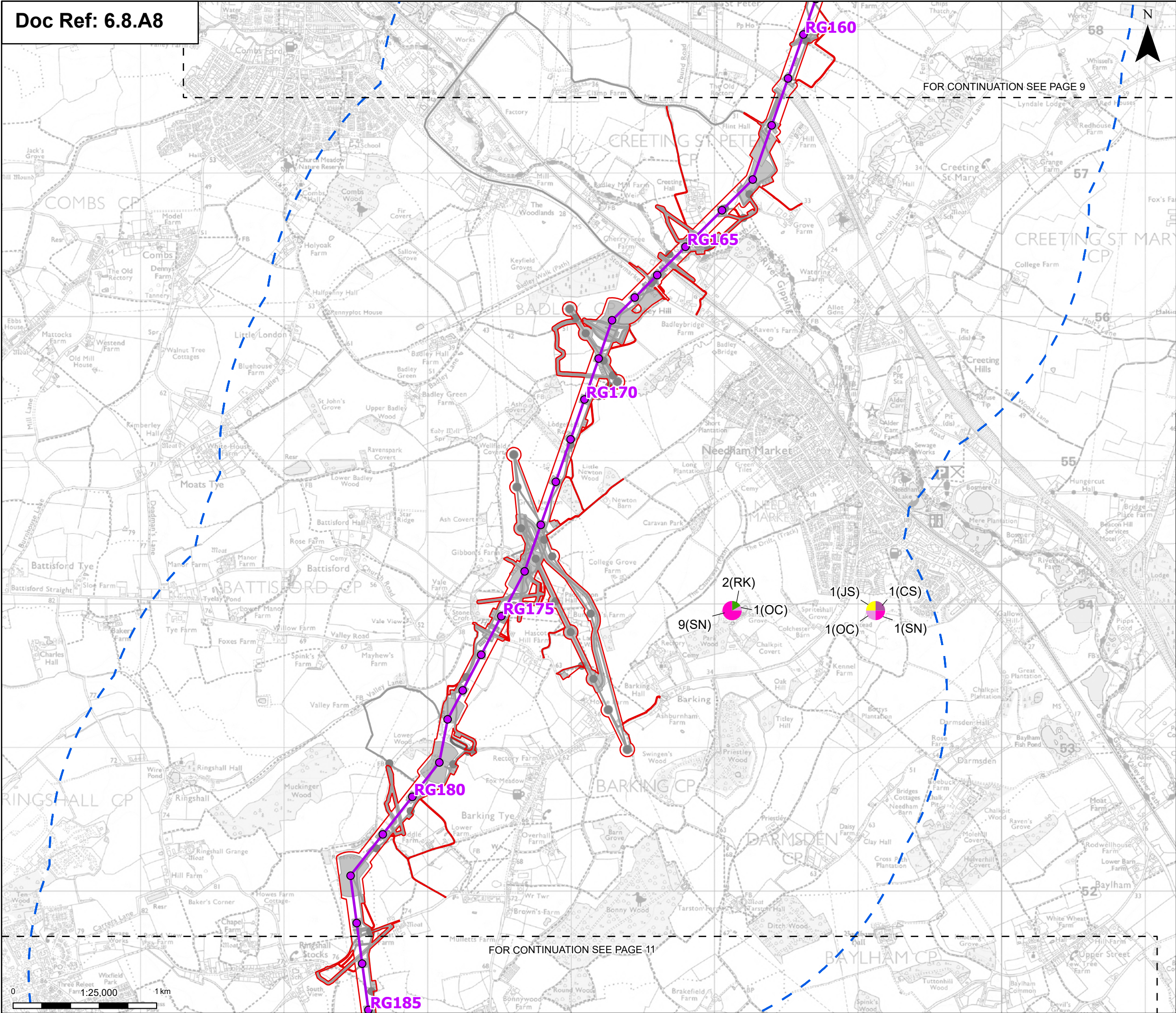
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Figure A8.8.13 - Ecology and Biodiversity
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Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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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

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)

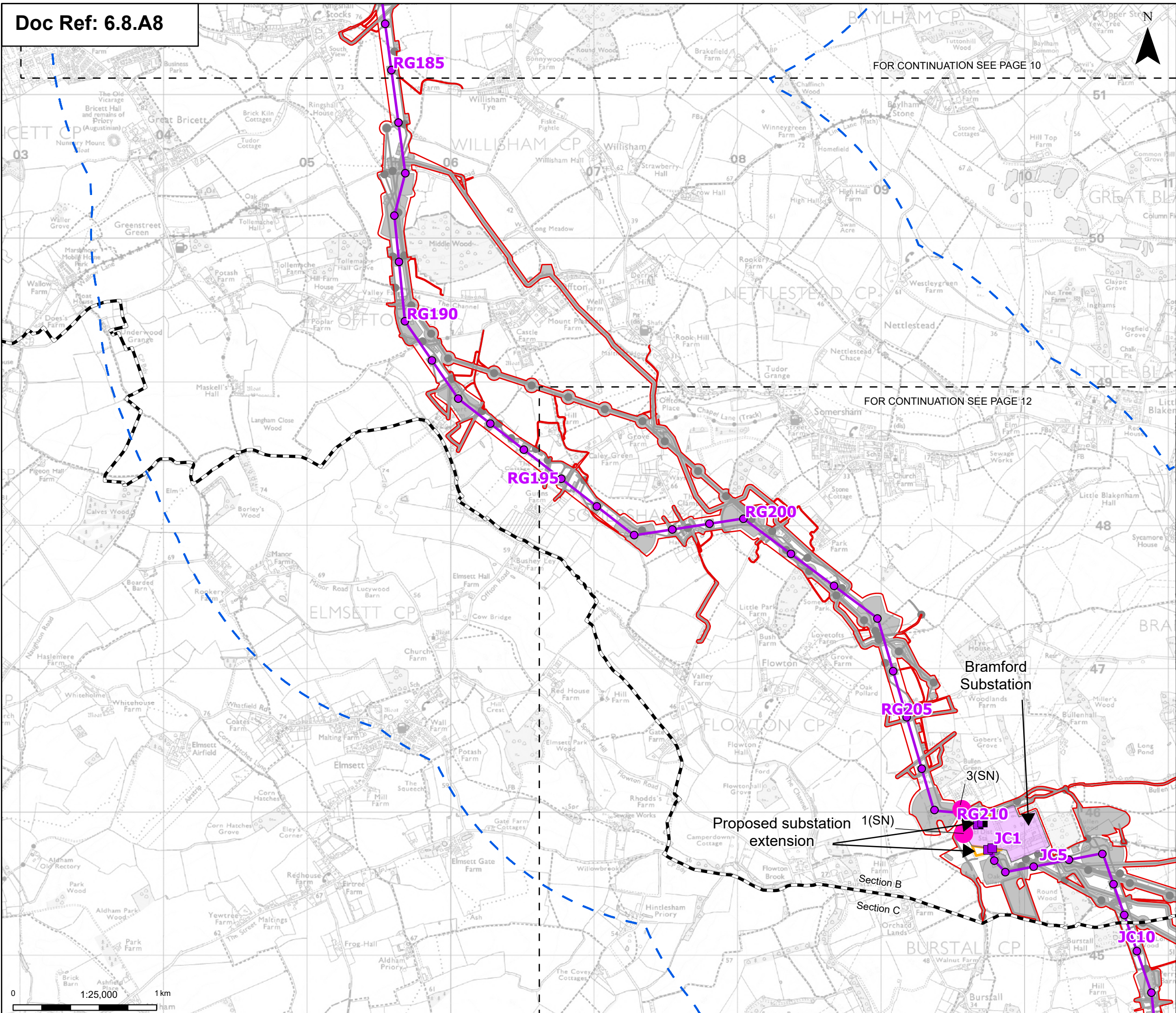
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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability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

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Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed full line tension gantry

Proposed low duty gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Bramford Substation

Bramford Substation Extension

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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)

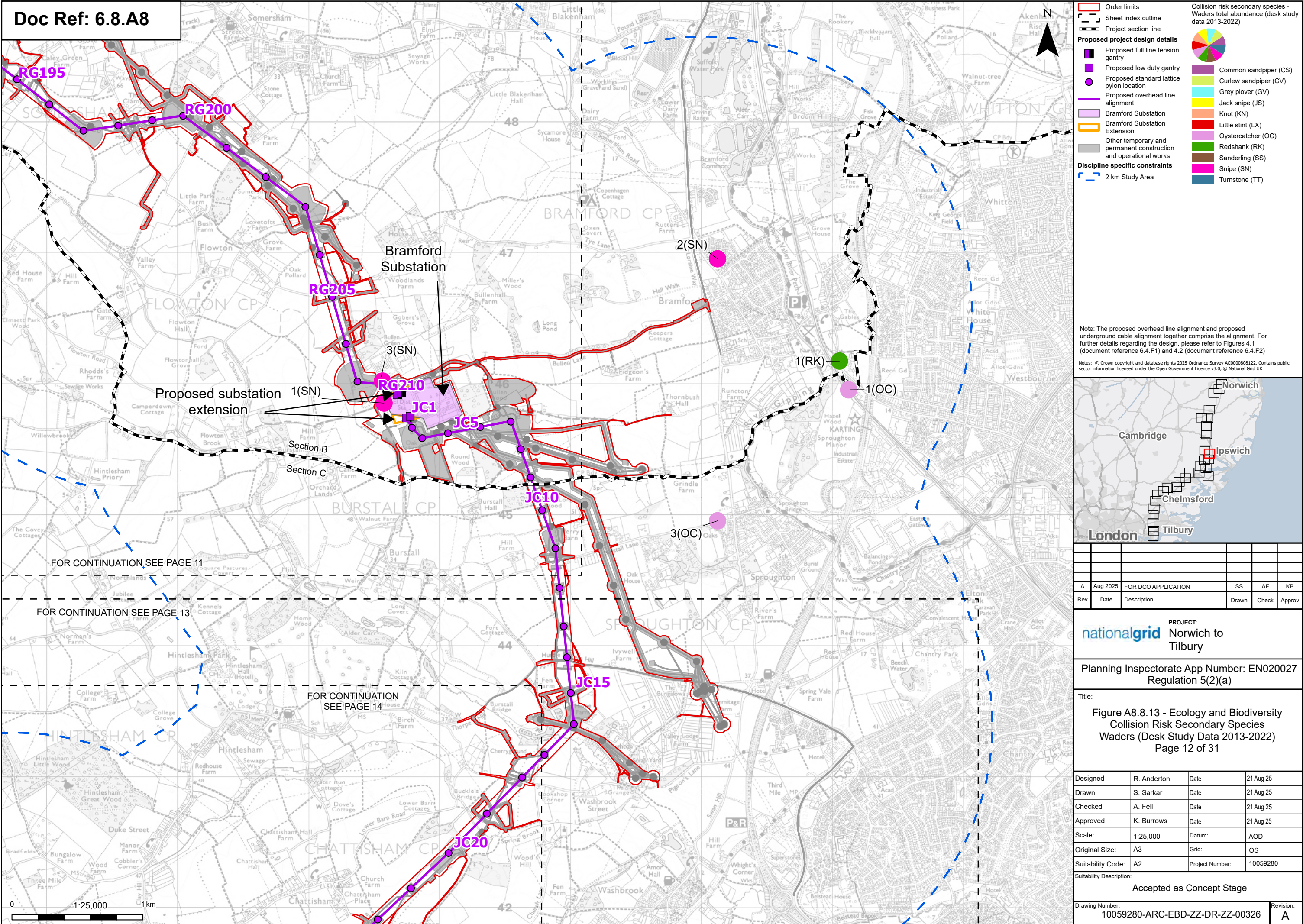
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Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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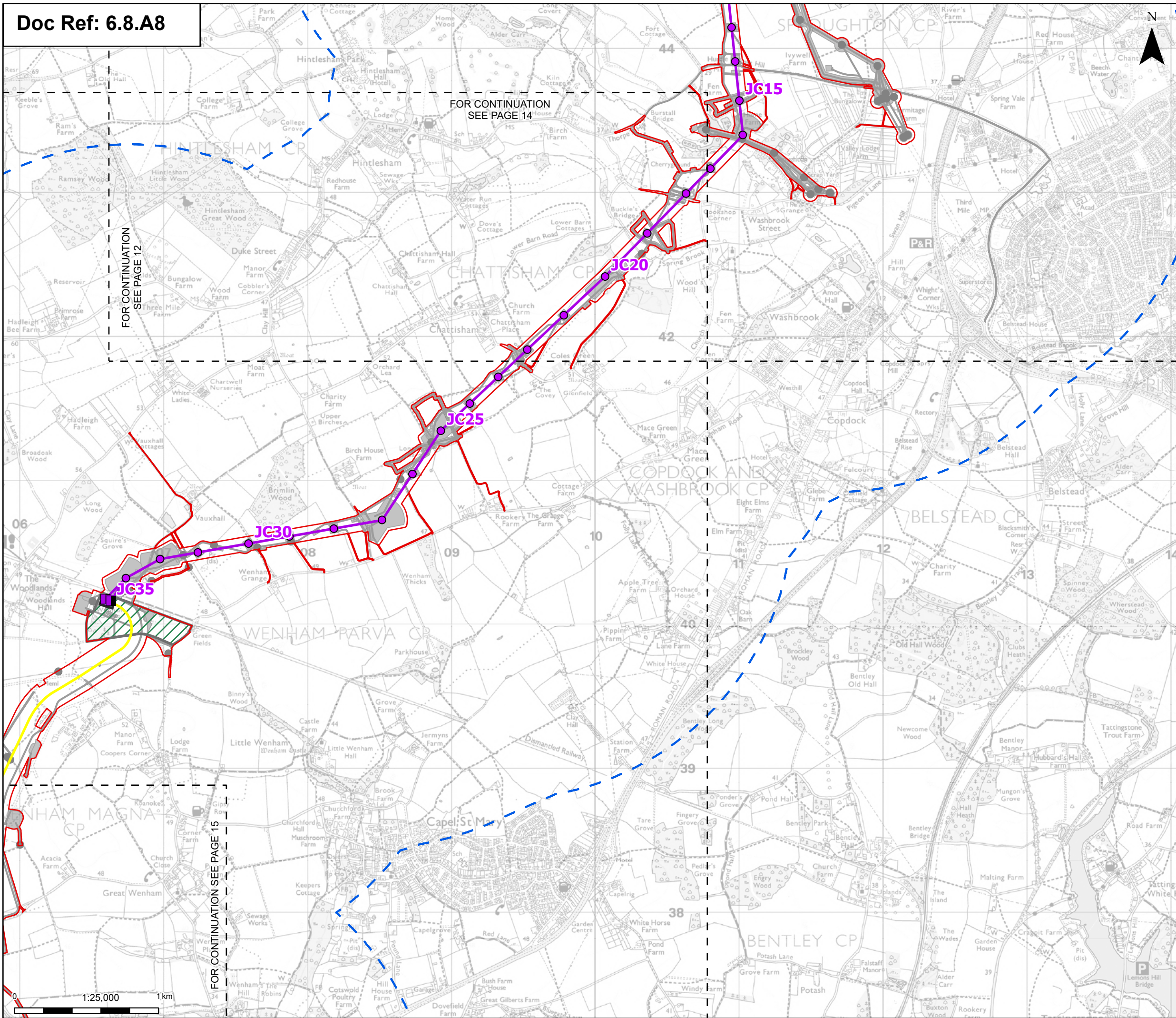
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Approved	K. Burrows	Date	21 Aug 25
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Order limits

Sheet index outline

Proposed project design details

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)

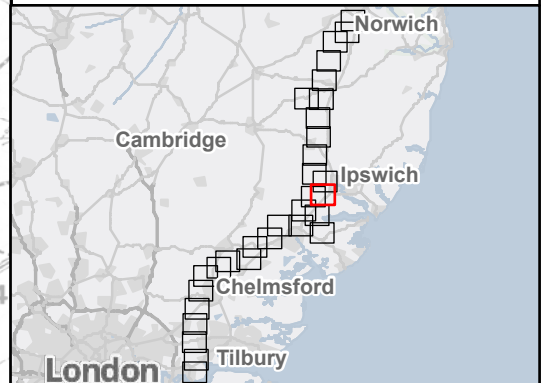
Snipe (SN)

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: **Norwich to Tilbury**

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

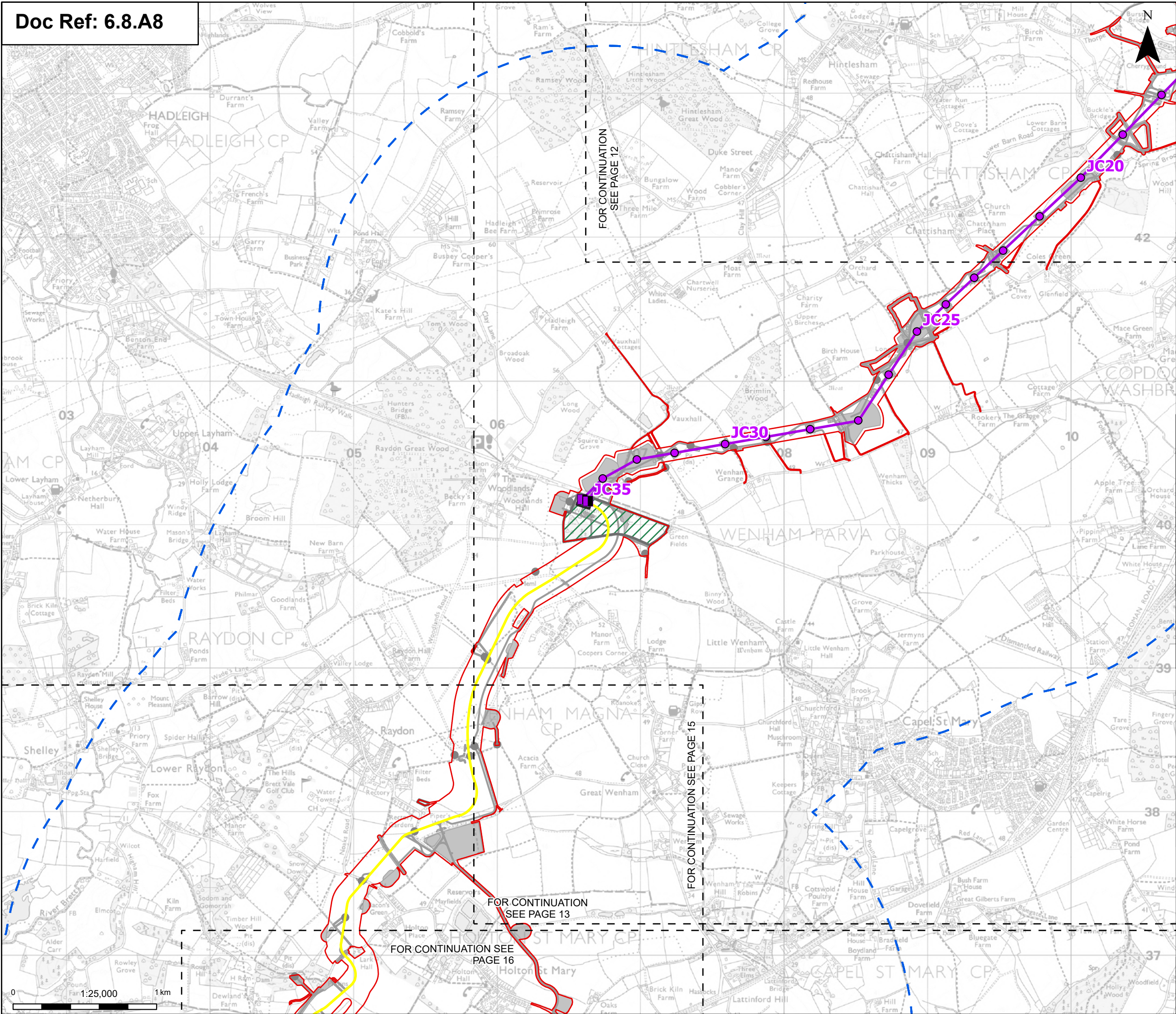
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**Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	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



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

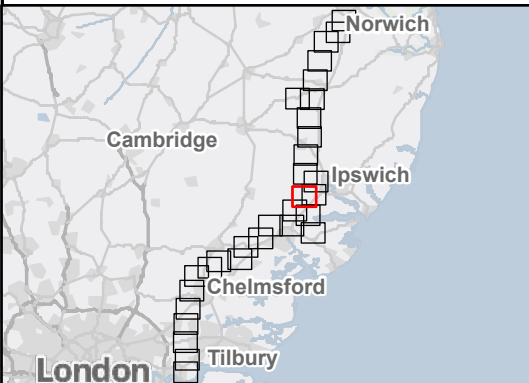
- 2 km Study Area

Collision risk secondary species - 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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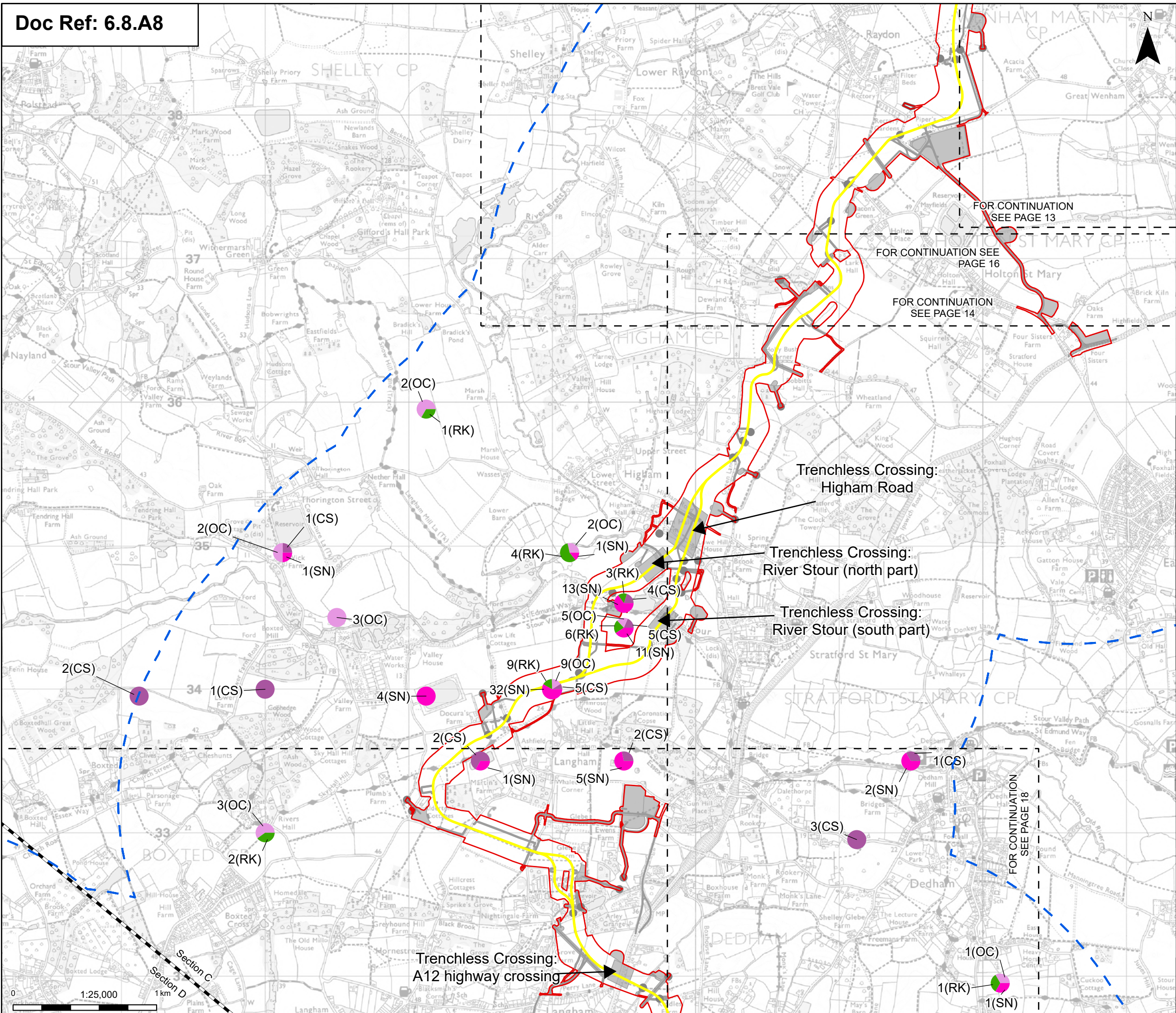
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**Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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Order limits

Sheet index outline

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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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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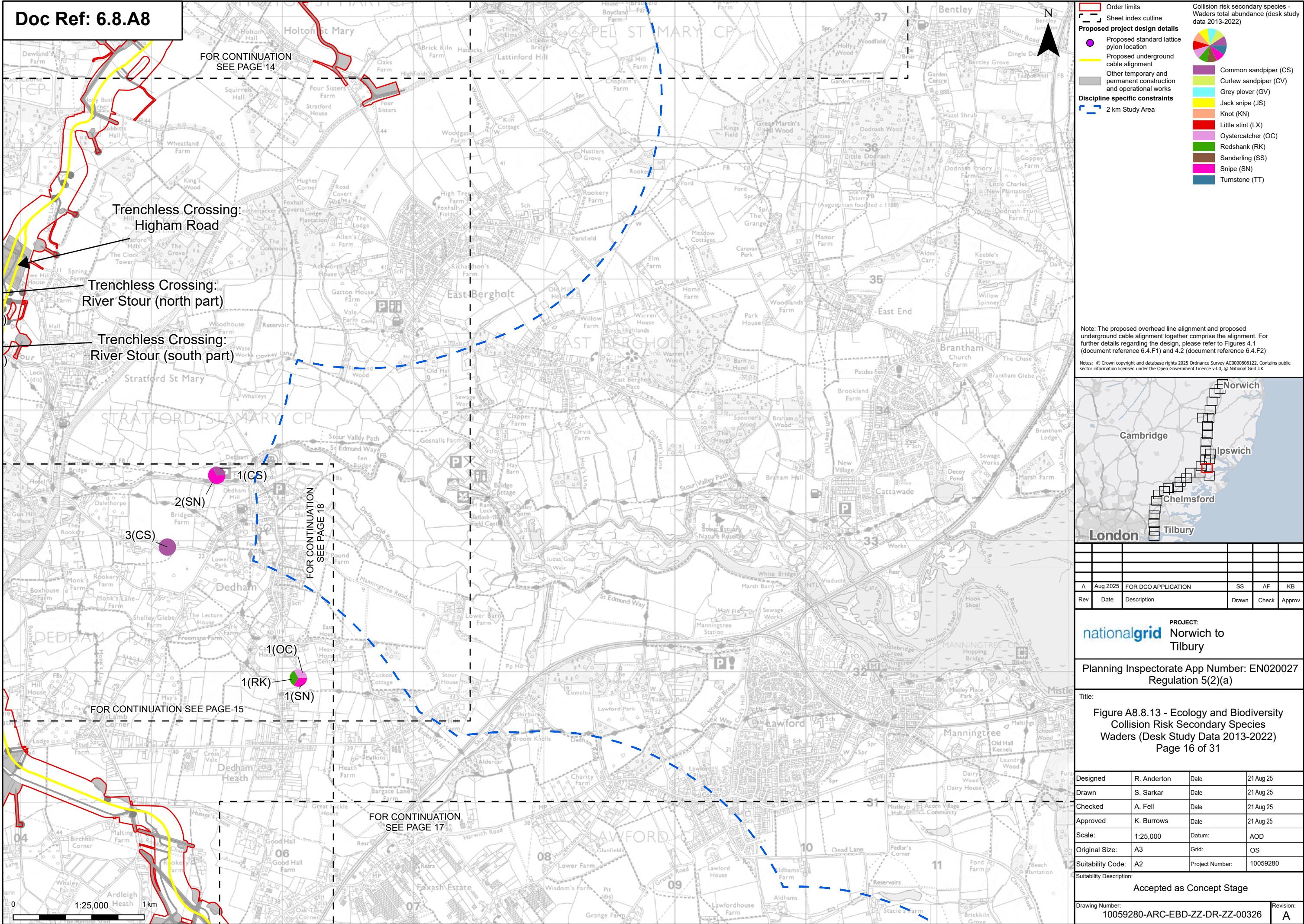
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Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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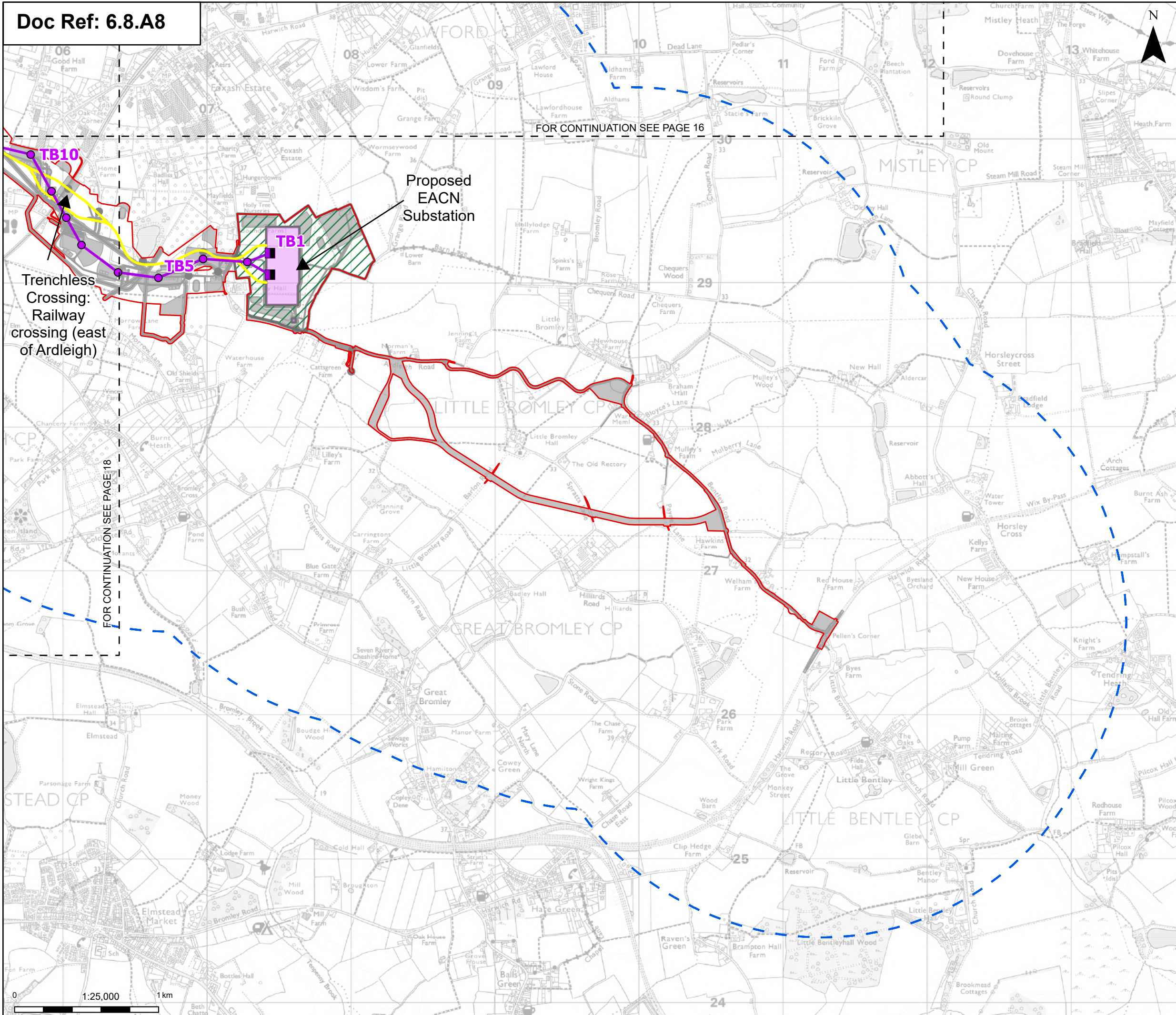
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Checked	A. Fell	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

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Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00326	Revision:	A
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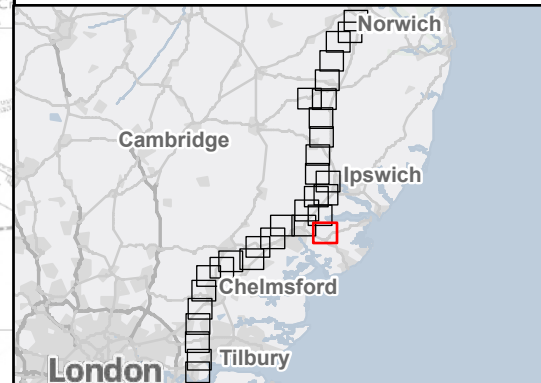
- Order limits
- Sheet index outline
- Proposed project design details**
 - Proposed full line tension gantry
 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Proposed underground cable alignment
 - Proposed DNO Substation
 - Proposed East Anglia Connection Node Substation (EACN)
 - Environmental area
 - Other temporary and permanent construction and operational works
- Discipline specific constraints**
 - 2 km Study Area

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

Species	Abundance
Common sandpiper (CS)	10
Curlow 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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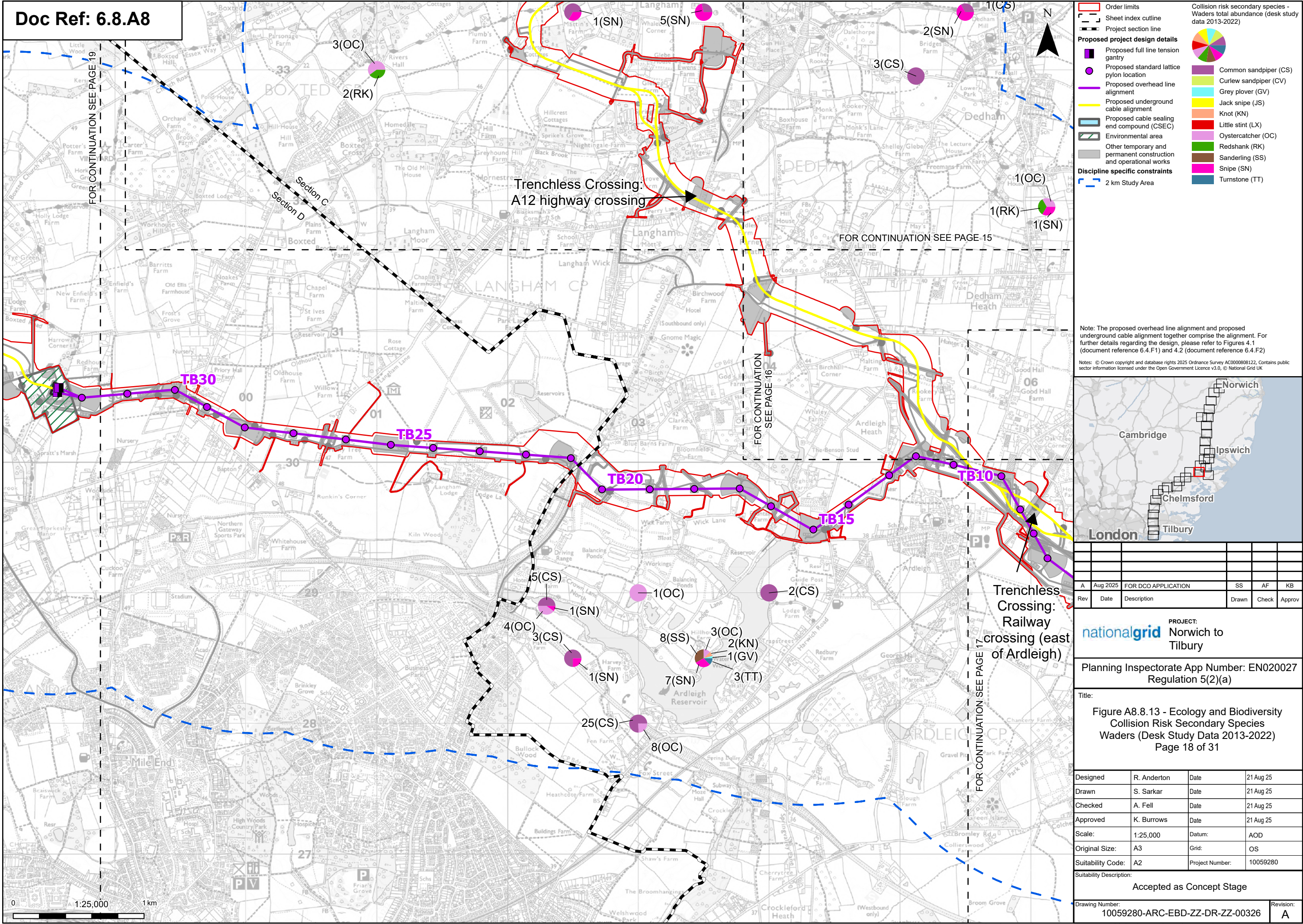
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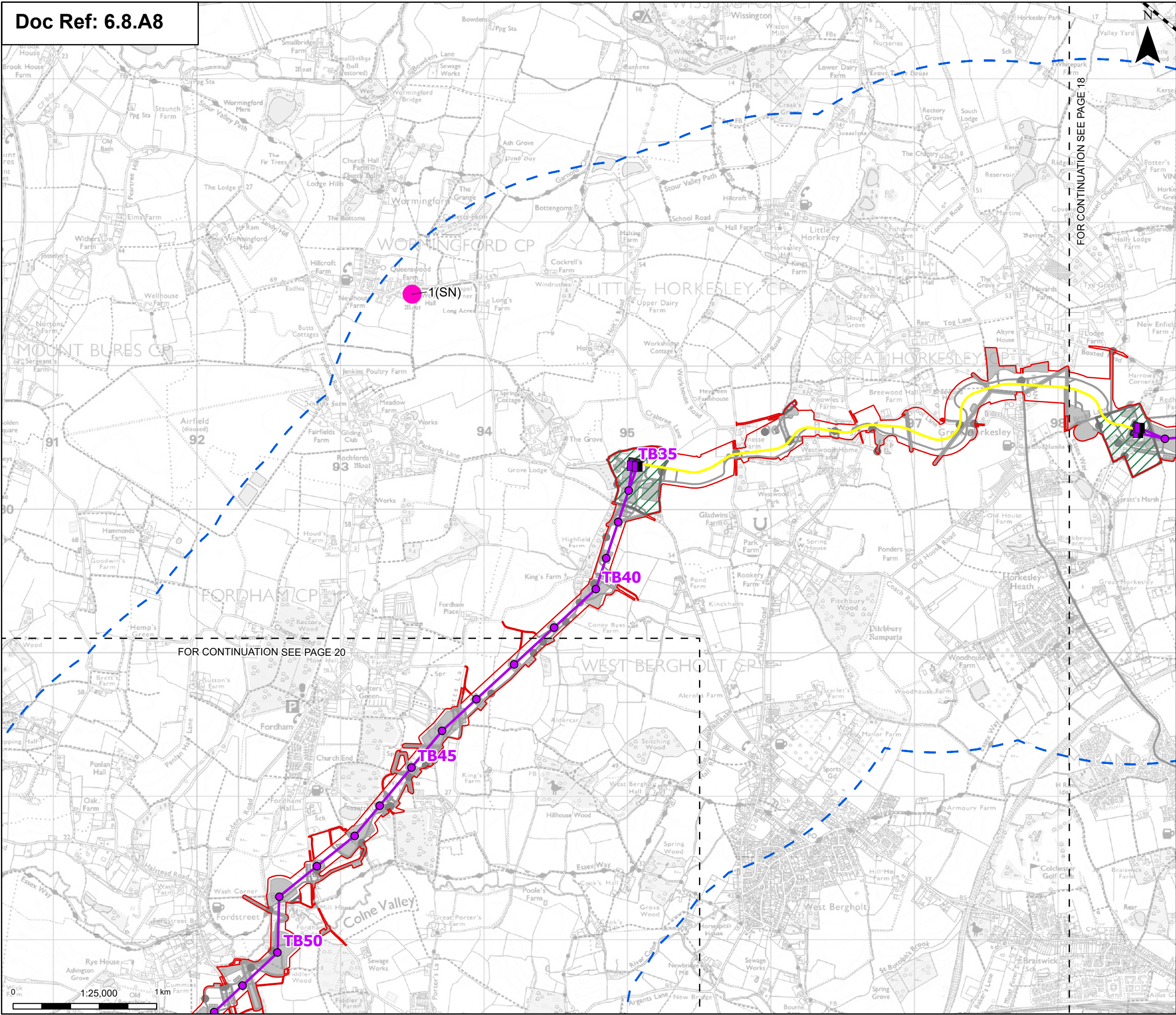
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Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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

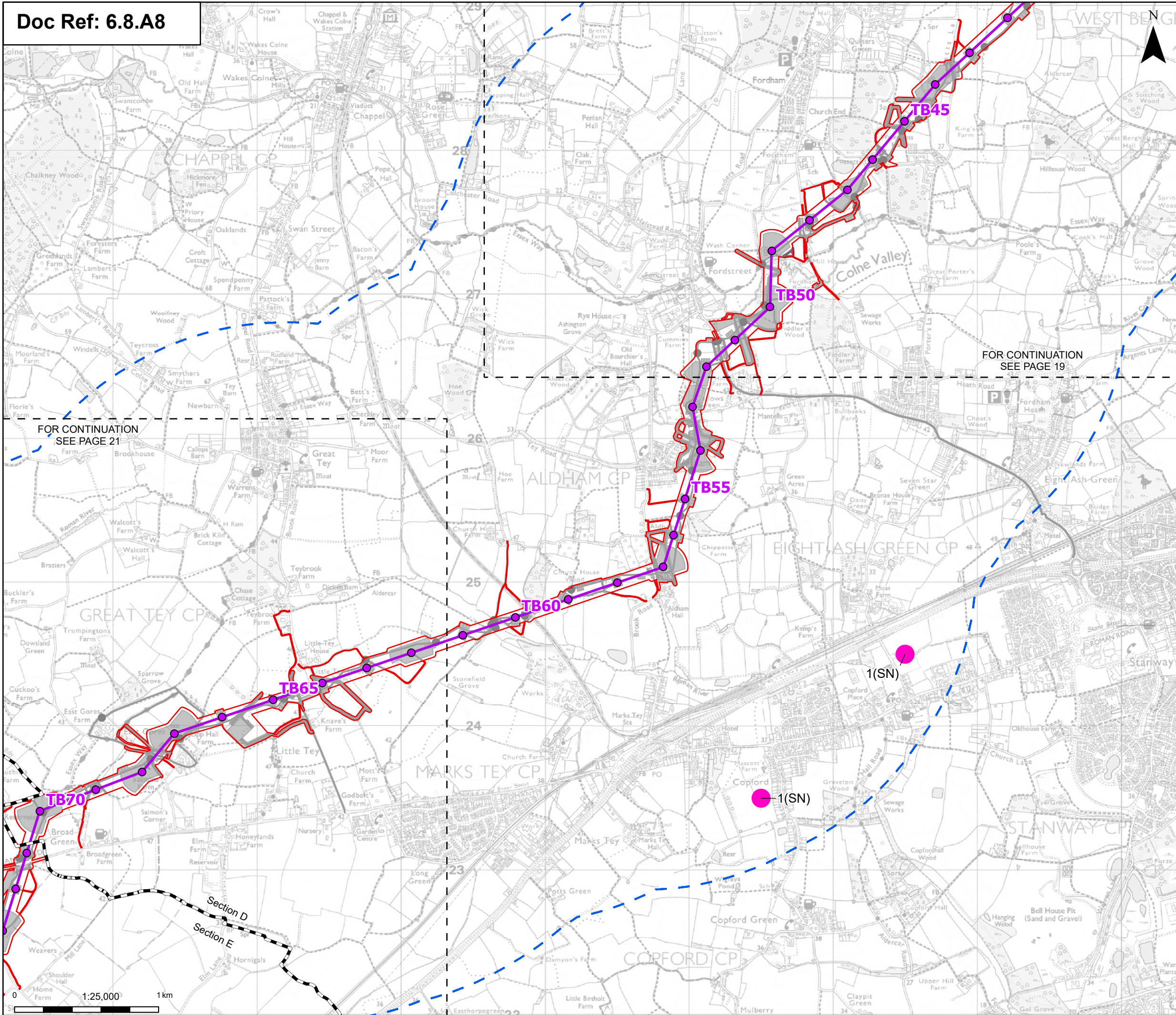
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Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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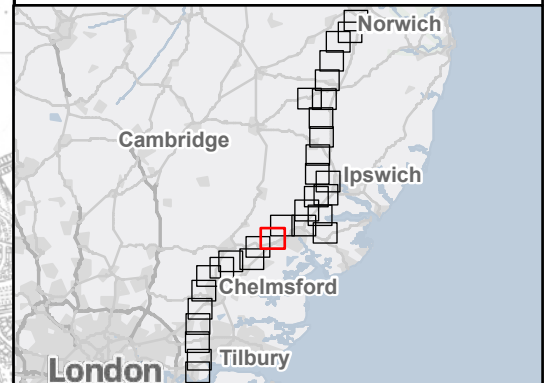


Legend

- 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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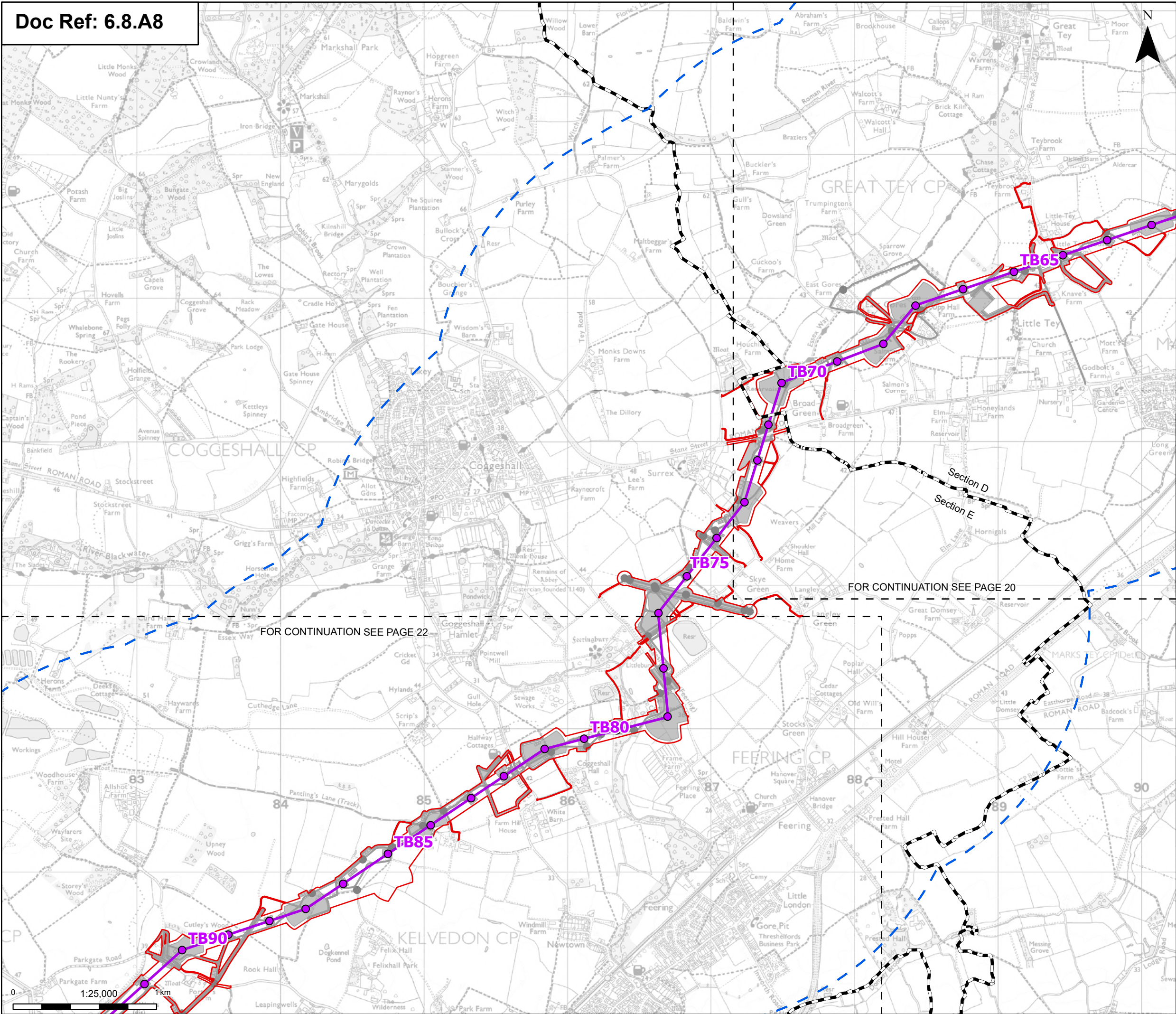
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Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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)

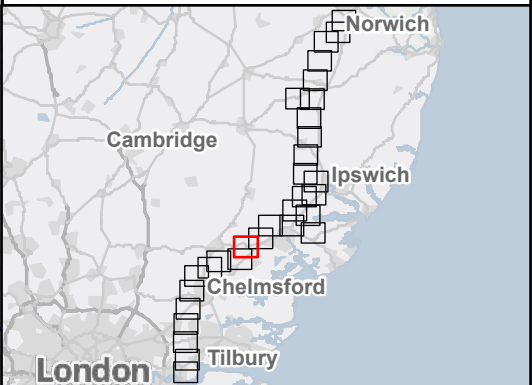
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Snipe (SN)

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

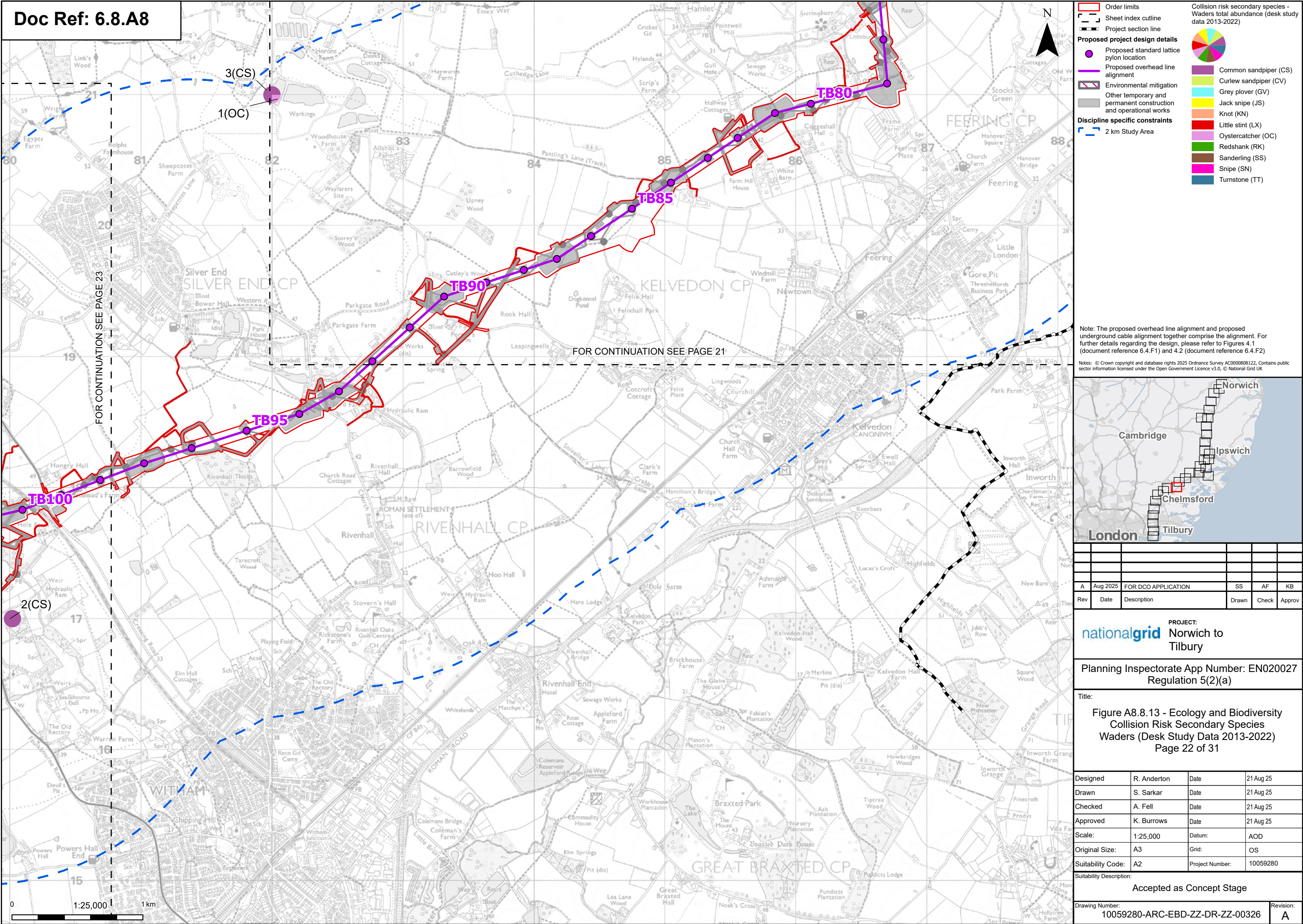
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 21 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

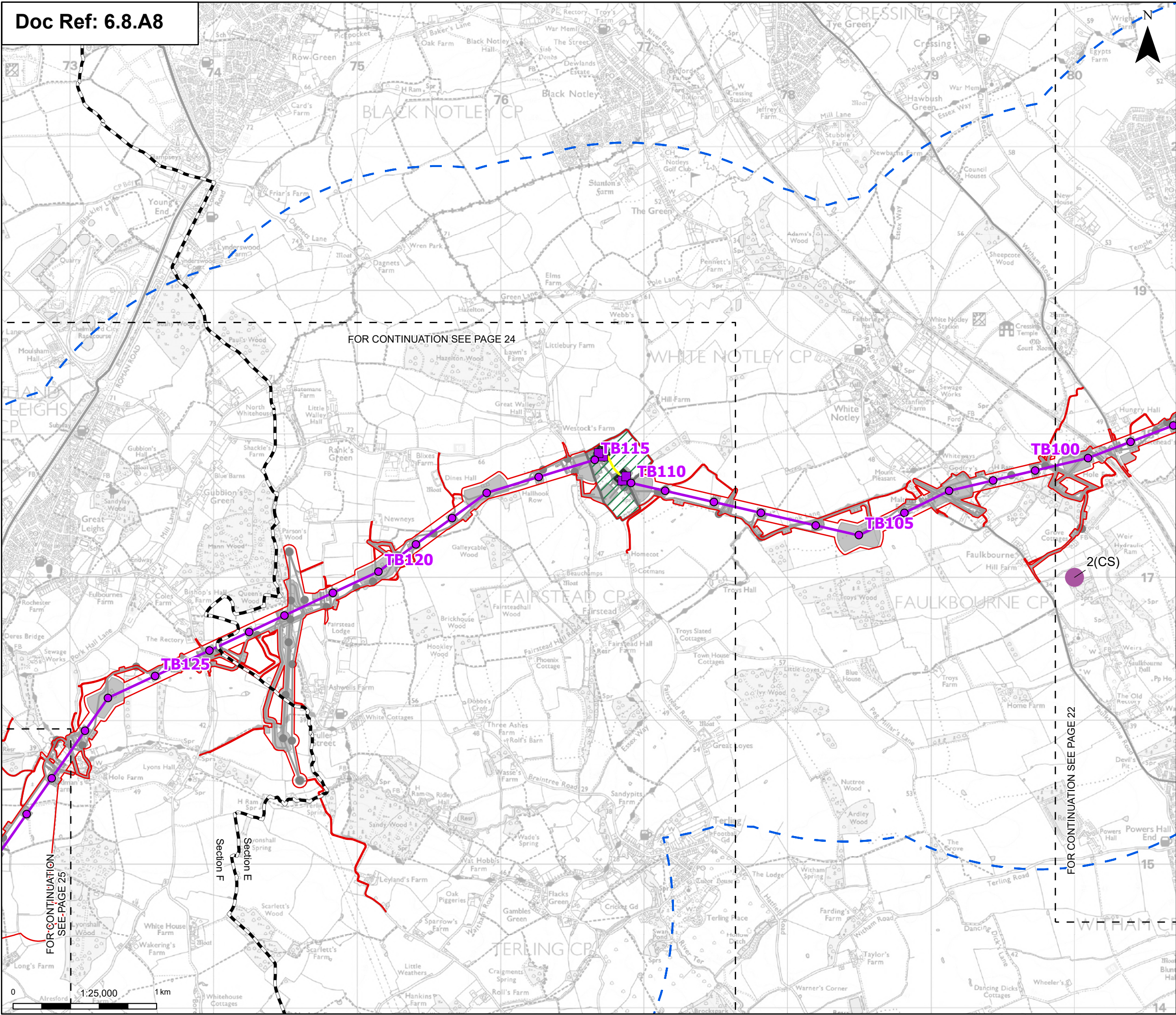
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Revision:
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Order limits
Sheet index outline
Project section line

Proposed project design details

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

Discipline specific constraints

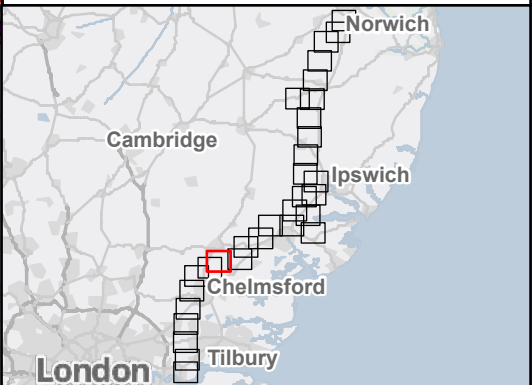
- 2 km Study Area

Collision risk 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

PROJECT: **Norwich to Tilbury**

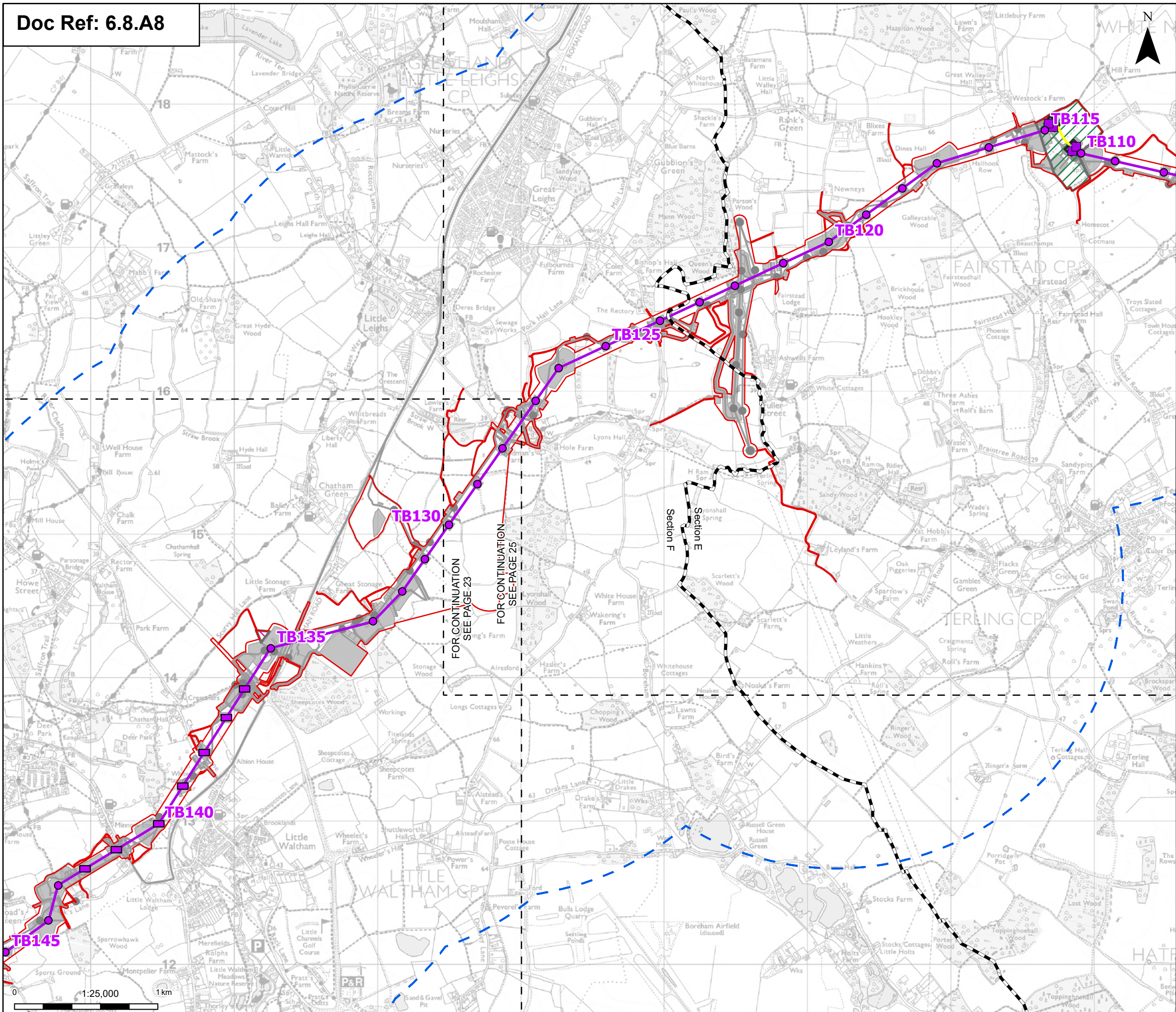
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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

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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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PROJECT:
nationalgrid Norwich to Tilbury

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

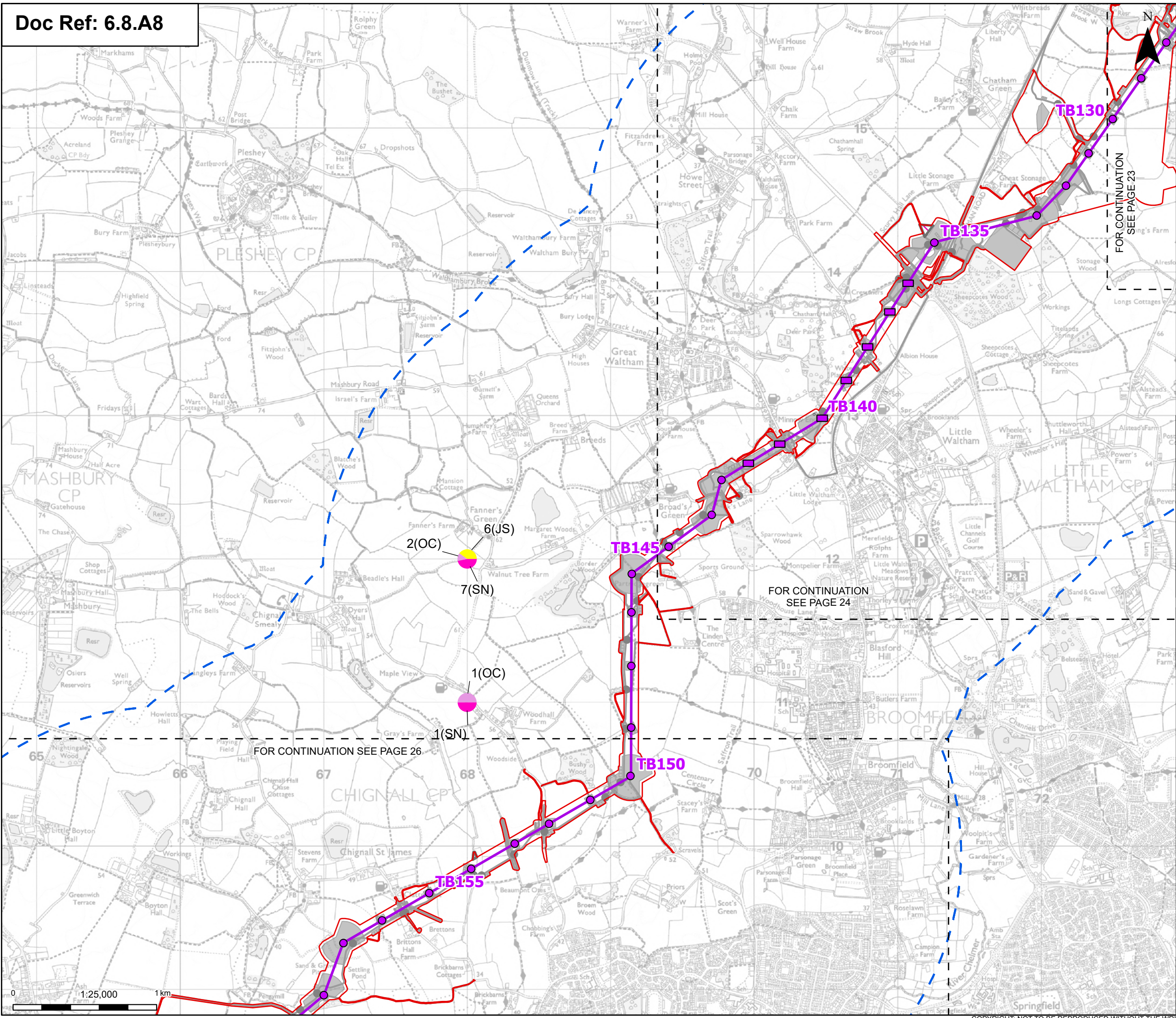
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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid: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

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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)

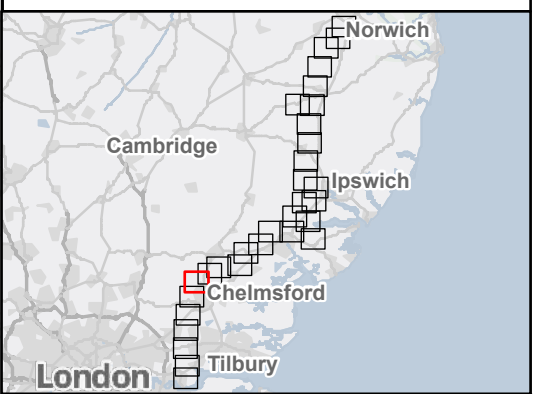
Sanderling (SS)

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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PROJECT:
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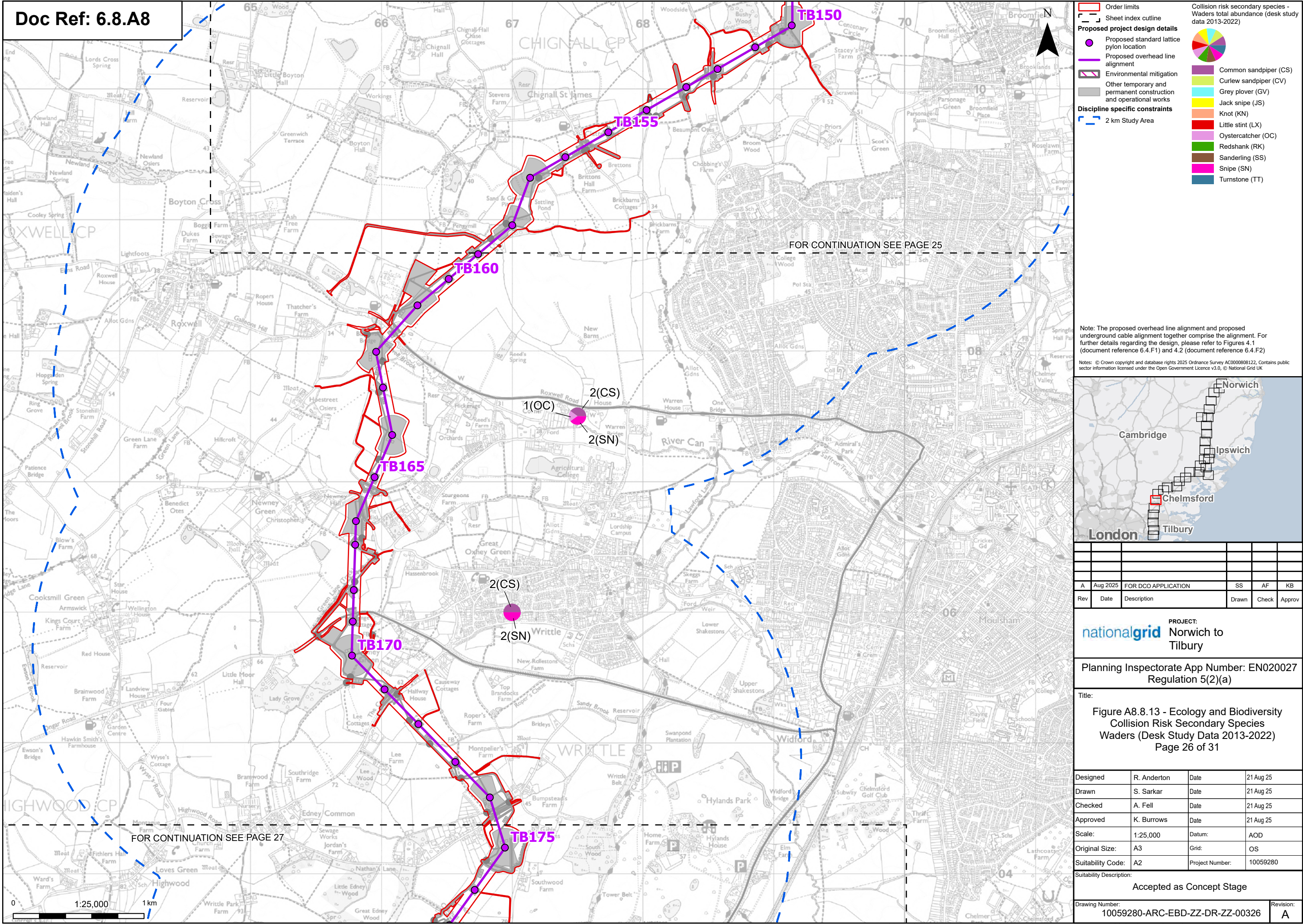
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Regulation 5(2)(a)

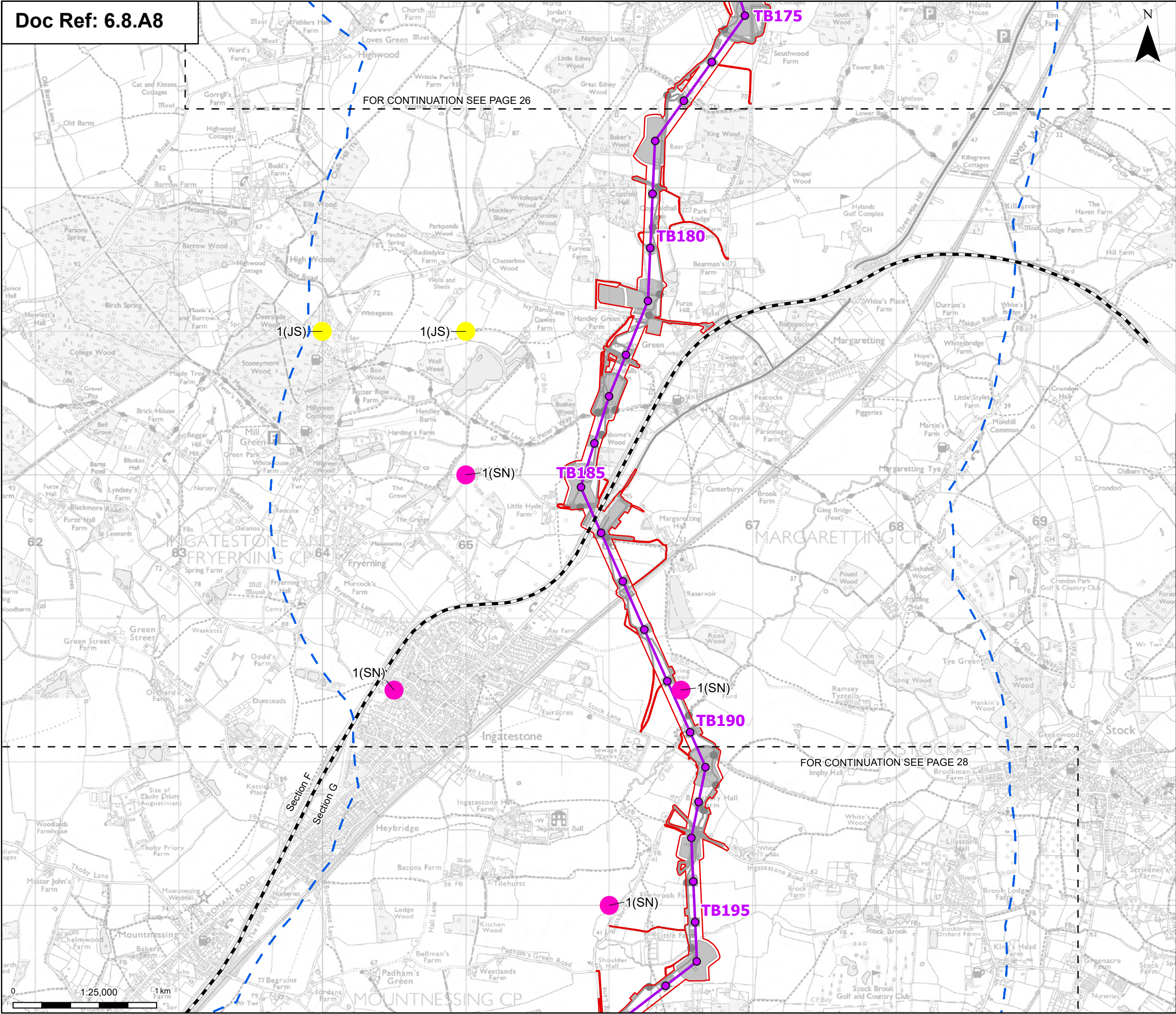
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Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Suitability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

Suitability Description:
Accepted as Concept Stage

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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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

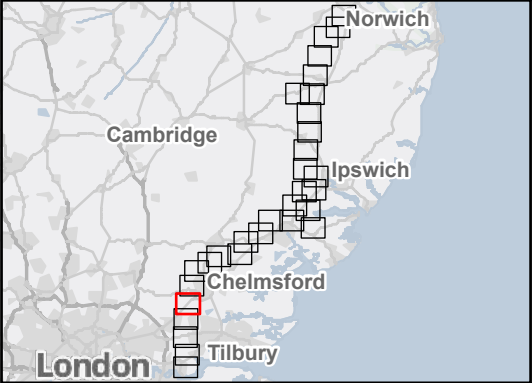
Snipe (SN)

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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nationalgrid

PROJECT:

Norwich to Tilbury

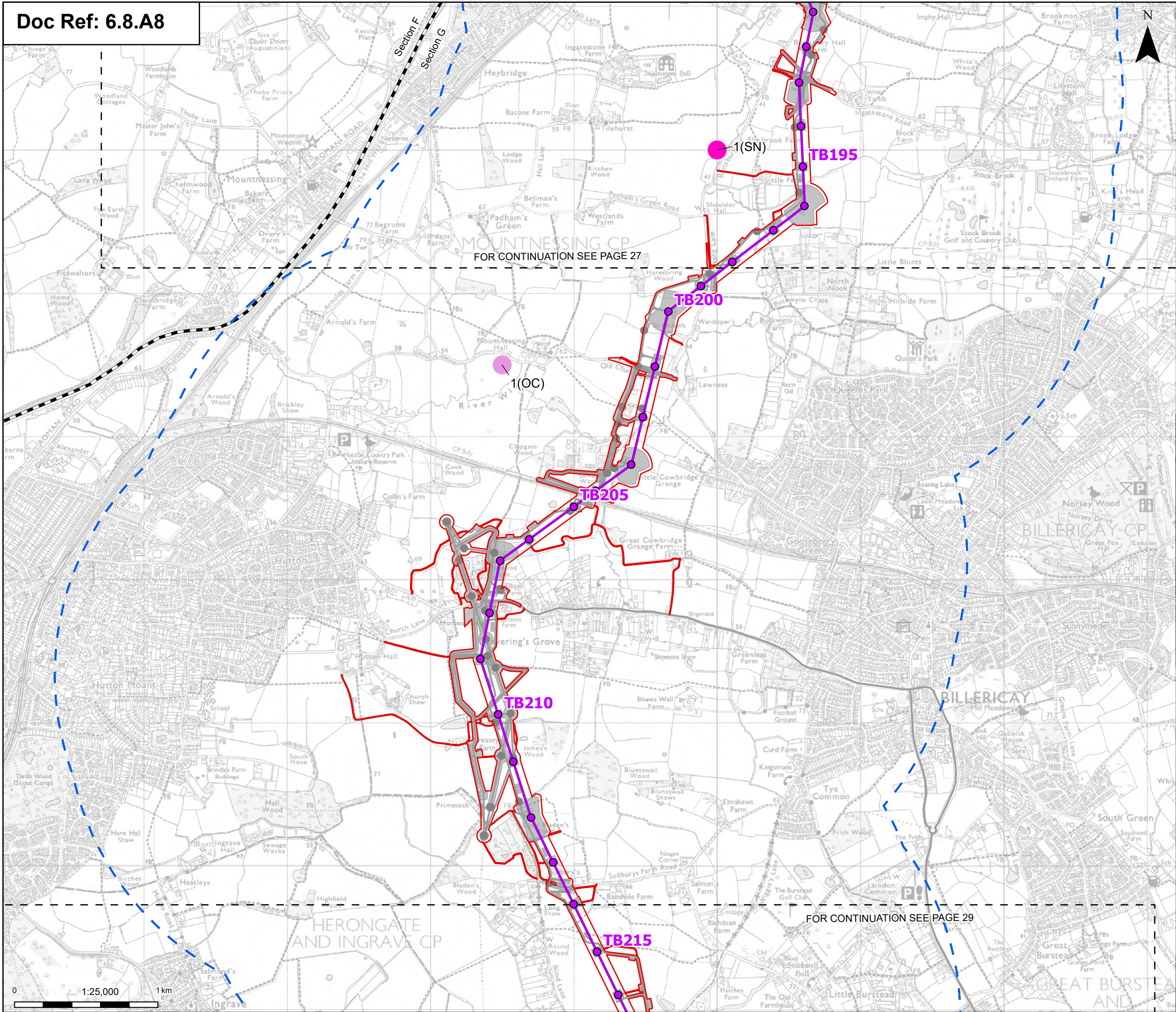
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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

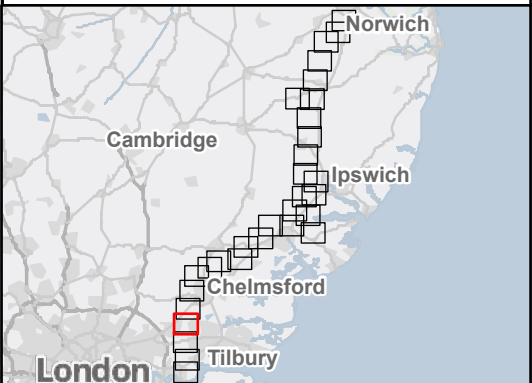
Sanderling (SS)

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:
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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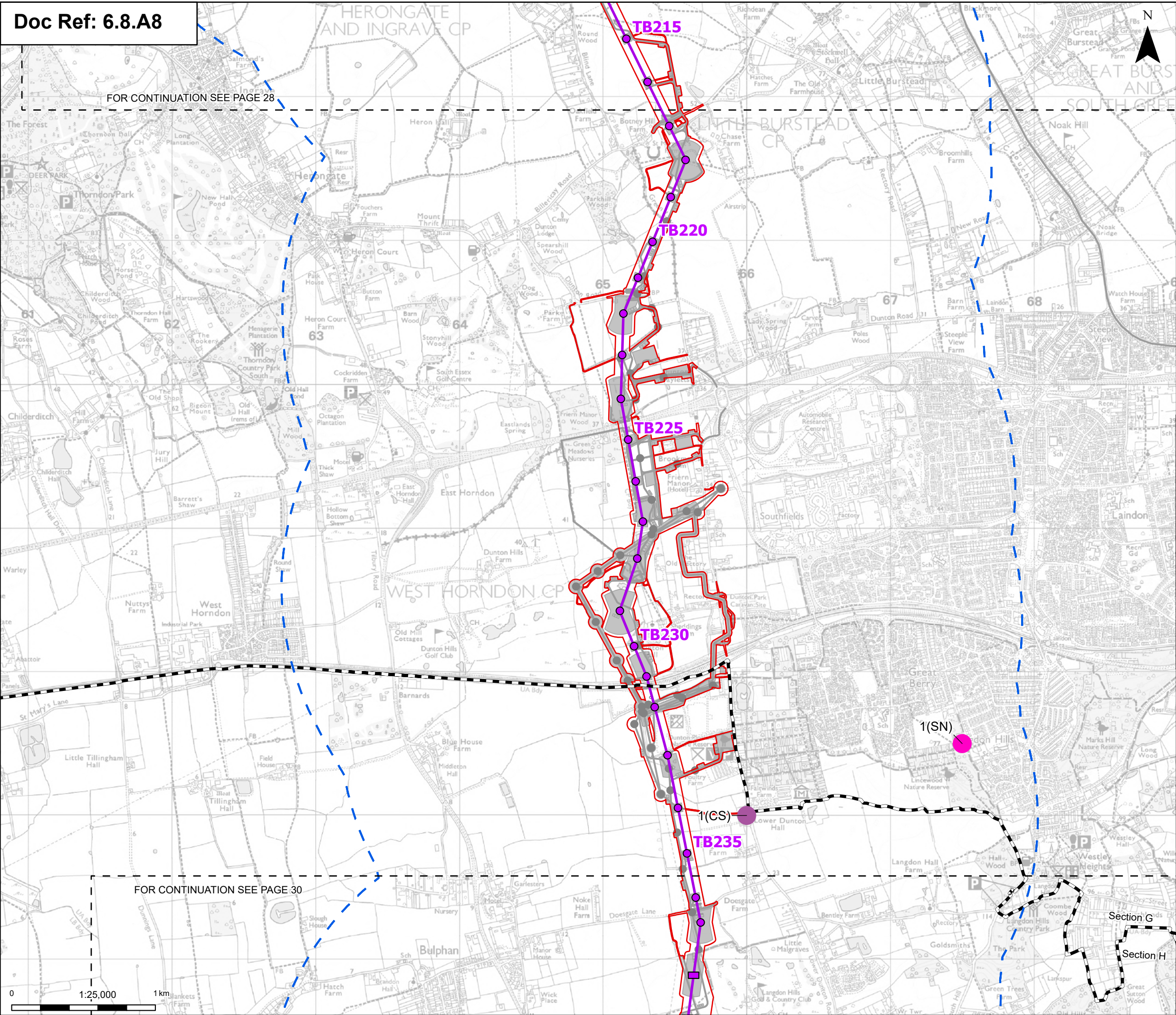
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Suitability Code:	A2	Project Number:	10059280
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Project section line

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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)

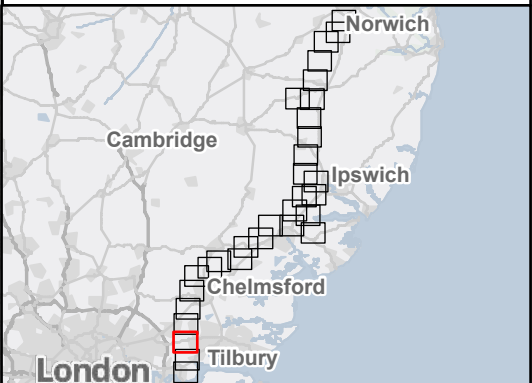
Sanderling (SS)

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

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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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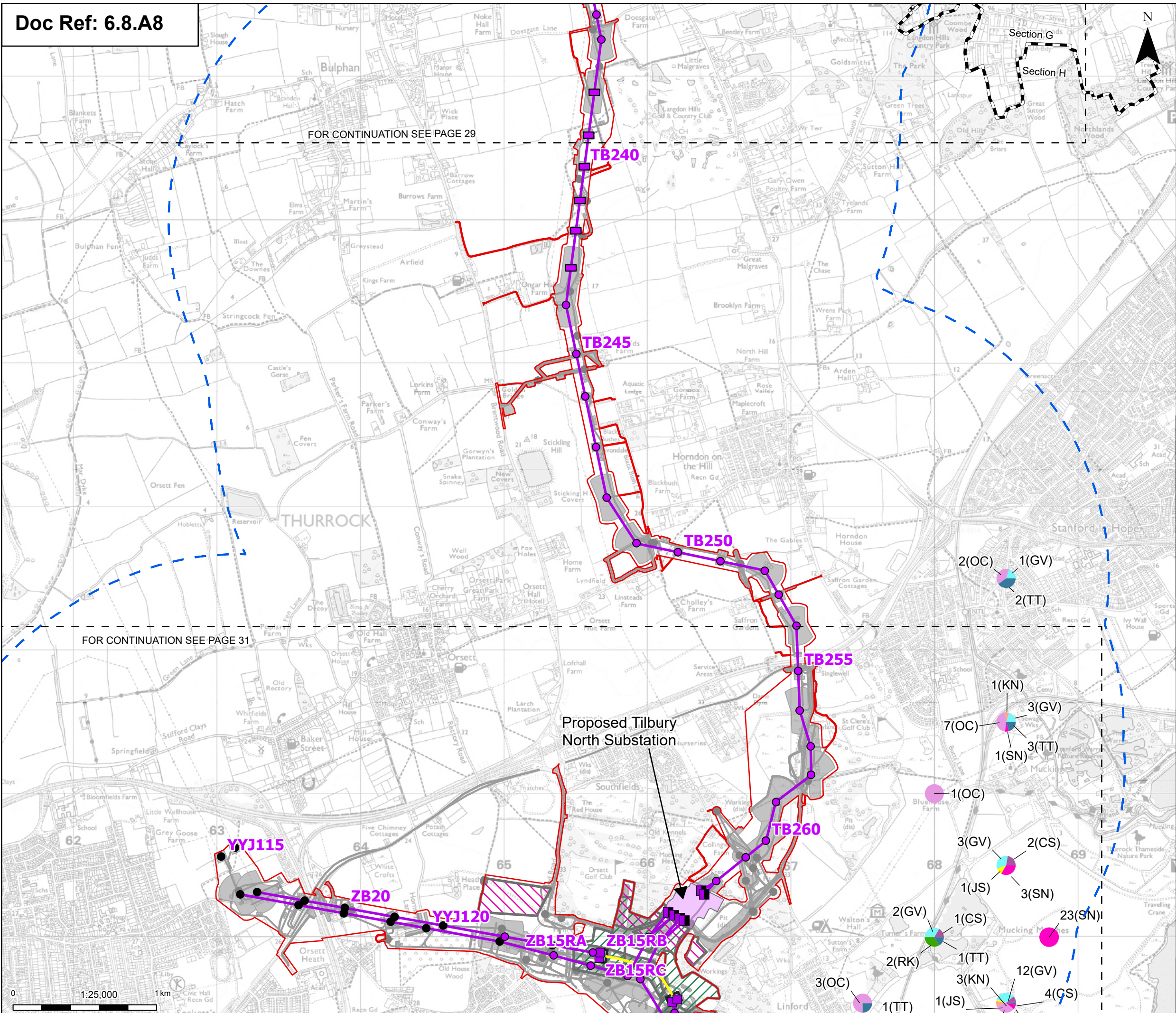
Accepted as Concept Stage

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Order limits

- Sheet index cutline
- 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

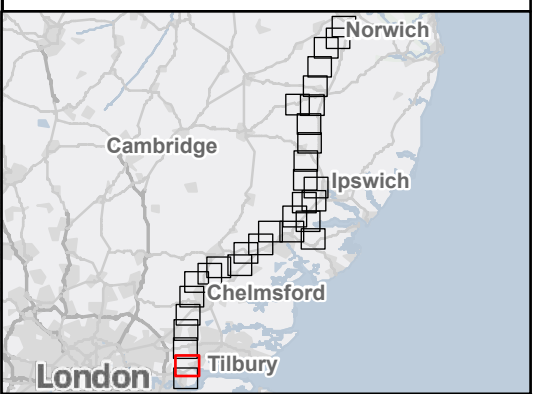
- 2 km Study Area

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

Species	Abundance
Common sandpiper (CS)	1
Curlew sandpiper (CV)	1
Grey plover (GV)	1
Jack snipe (JS)	1
Knot (KN)	1
Little stint (LX)	1
Oystercatcher (OC)	1
Redshank (RK)	1
Sanderling (SS)	1
Snipe (SN)	1
Turnstone (TT)	1

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

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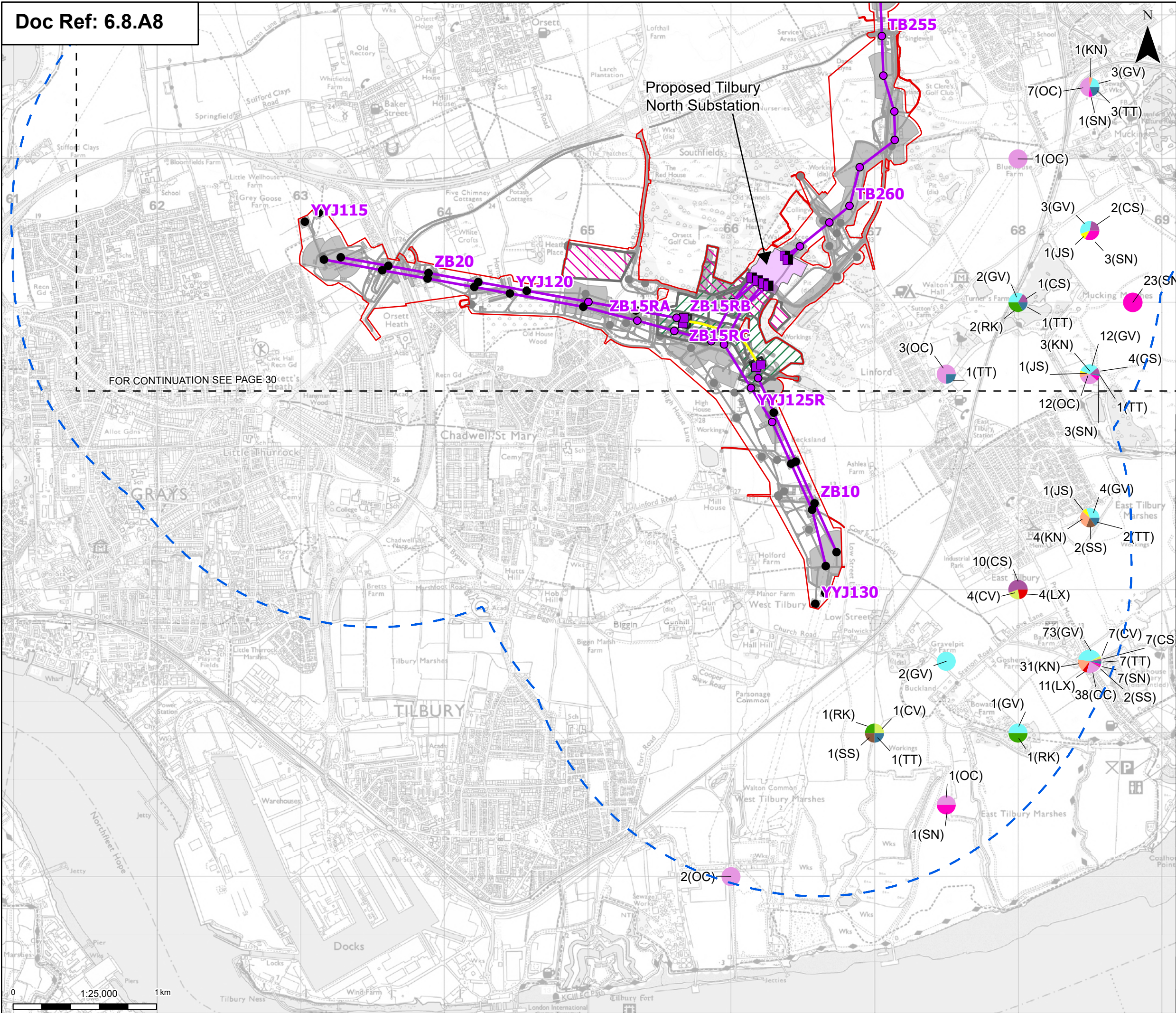
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Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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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 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)

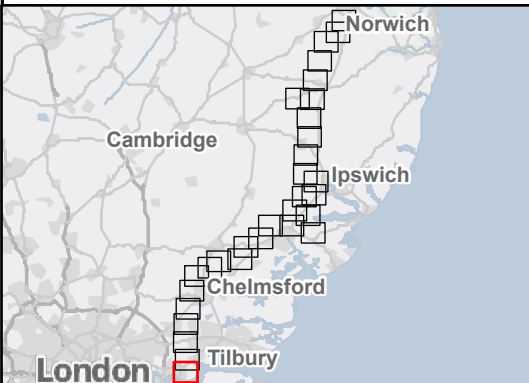
Sanderling (SS)

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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nationalgrid Norwich to Tilbury

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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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