

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 - Clean Version - Part 3 of 4

Final Issue B

July 2026

Planning Inspectorate Reference: EN020027

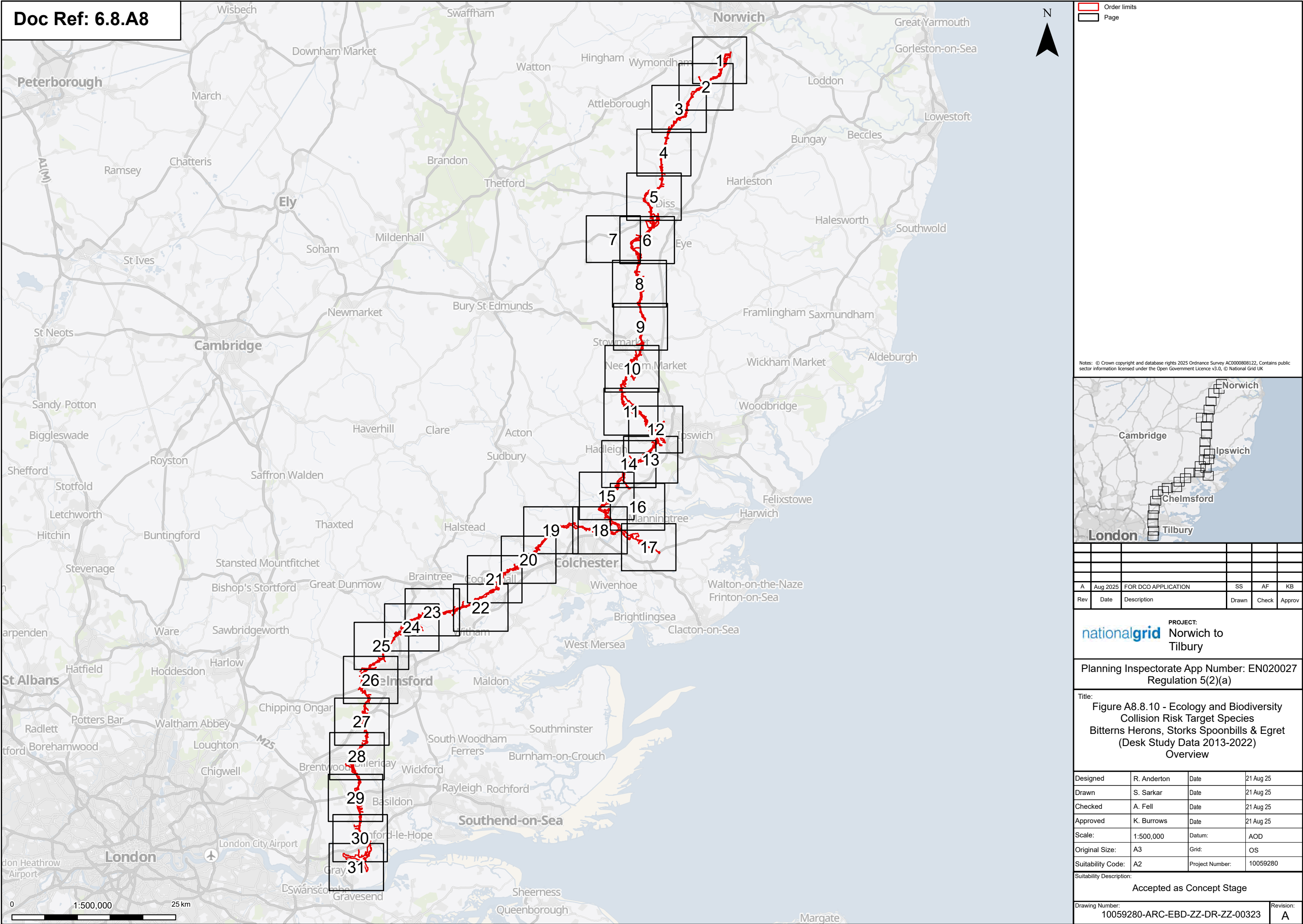
Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(a)

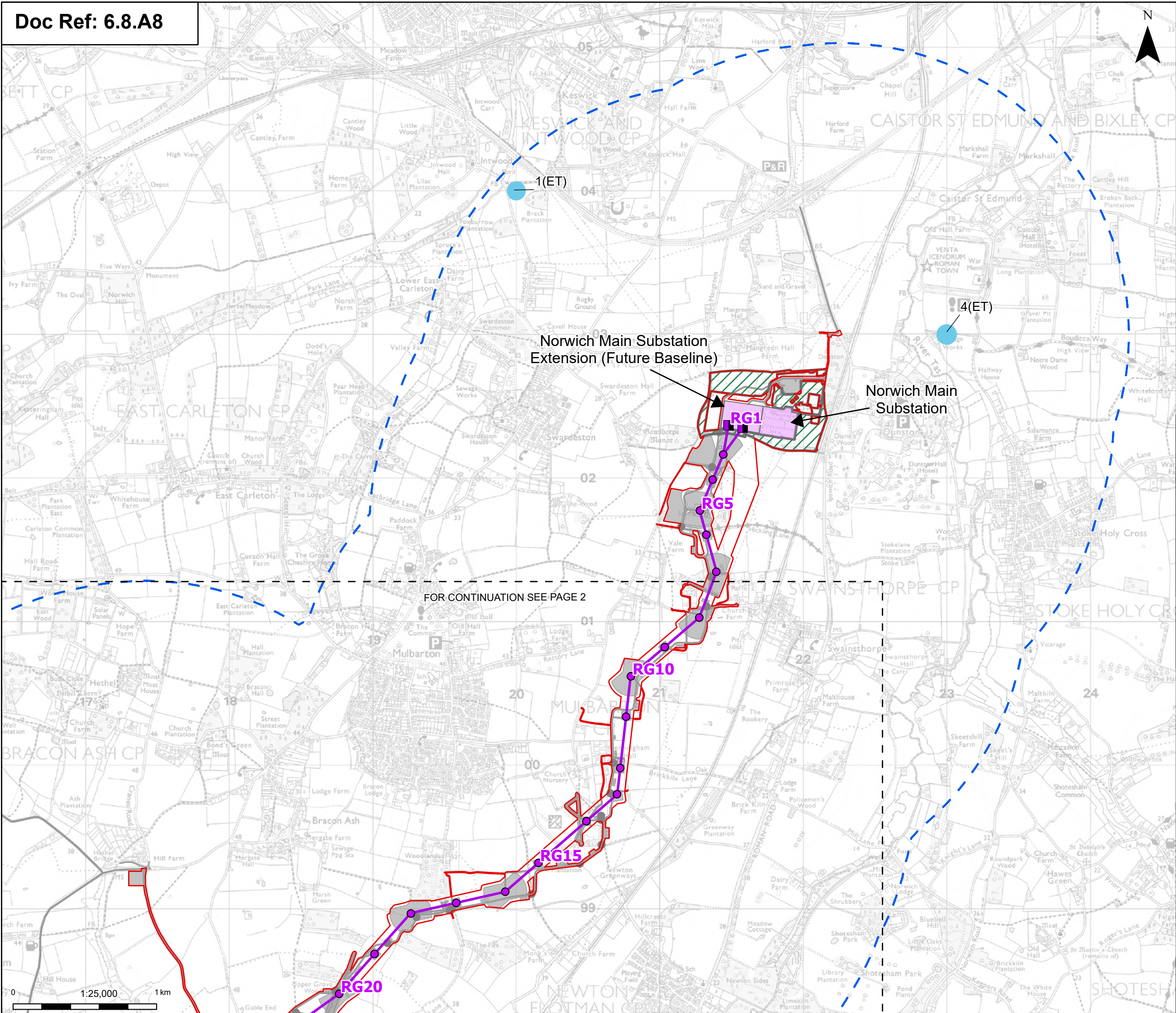
nationalgrid

Appendix A.

Figures

See parts 2 to 4





Order limits

Sheet index cutline

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Little egret (ET)

Spoonbill (NB)

White stork (OR)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

nationalgrid

PROJECT:
Norwich to
Tilbury

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

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

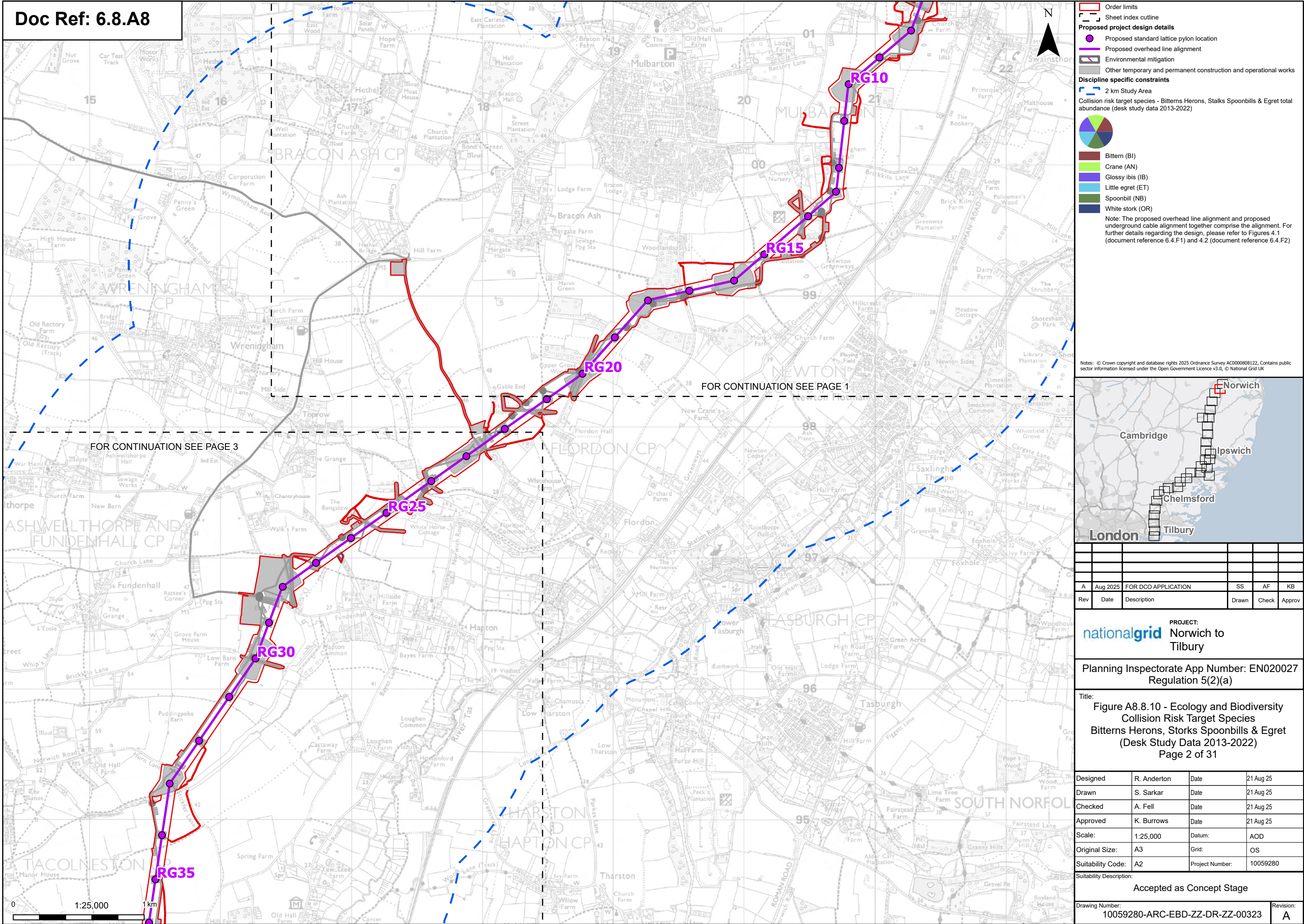
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

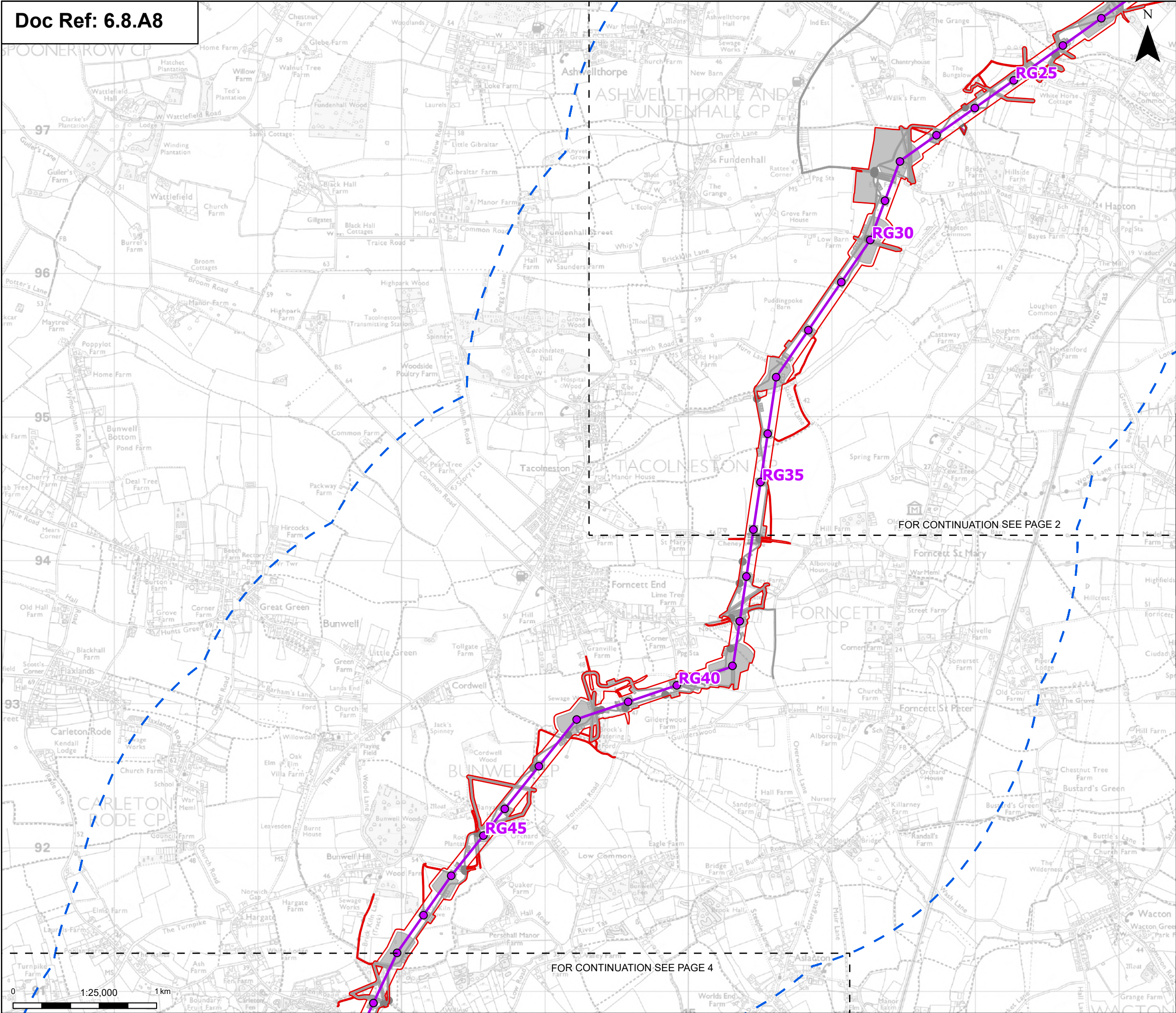
Suitability Description:
Accepted as Concept Stage

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

Print Date:08-15-25 12:41:13

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

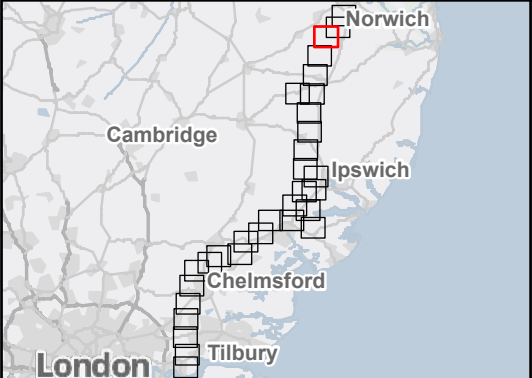
Little egret (ET)

Spoonbill (NB)

White stork (OR)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid

PROJECT:

Norwich to Tilbury

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

Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 3 of 31

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

Accepted as Concept Stage

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

FOR CONTINUATION SEE PAGE 3

FOR CONTINUATION SEE PAGE 5

Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

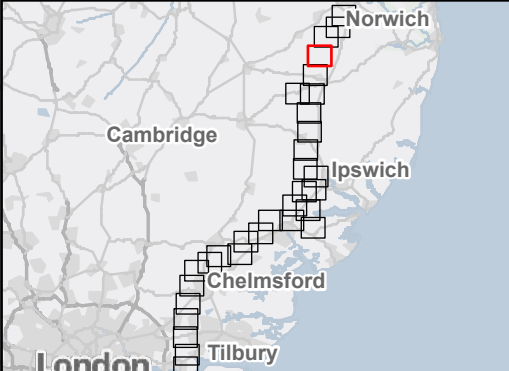
Little egret (ET)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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)

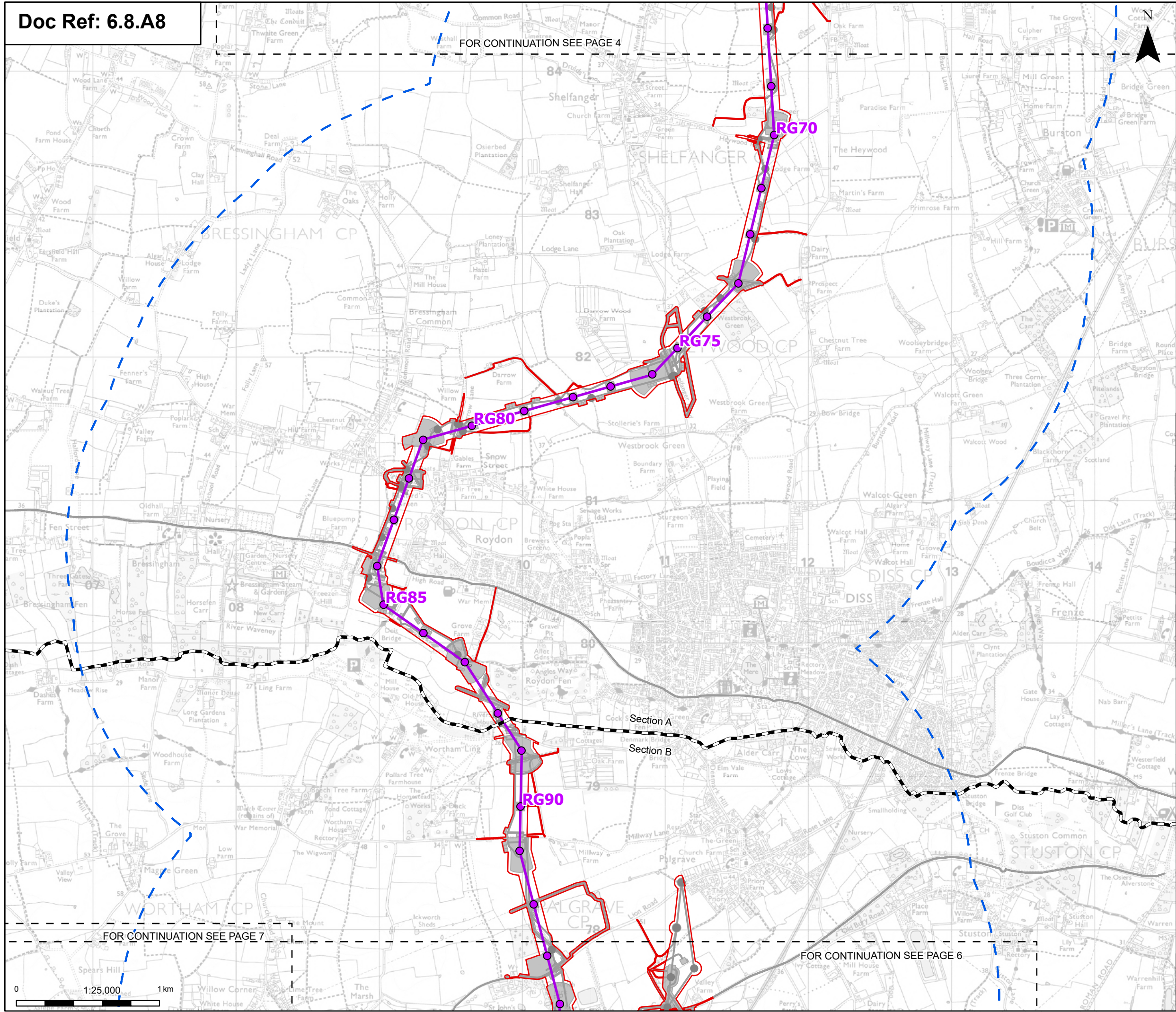
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 4 of 31

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

Suitability Description:
Accepted as Concept Stage

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

FOR CONTINUATION SEE PAGE 4



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)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)
Page 5 of 31

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

Print Date: 08-15-25 12:41:34 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC

FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 8
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

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

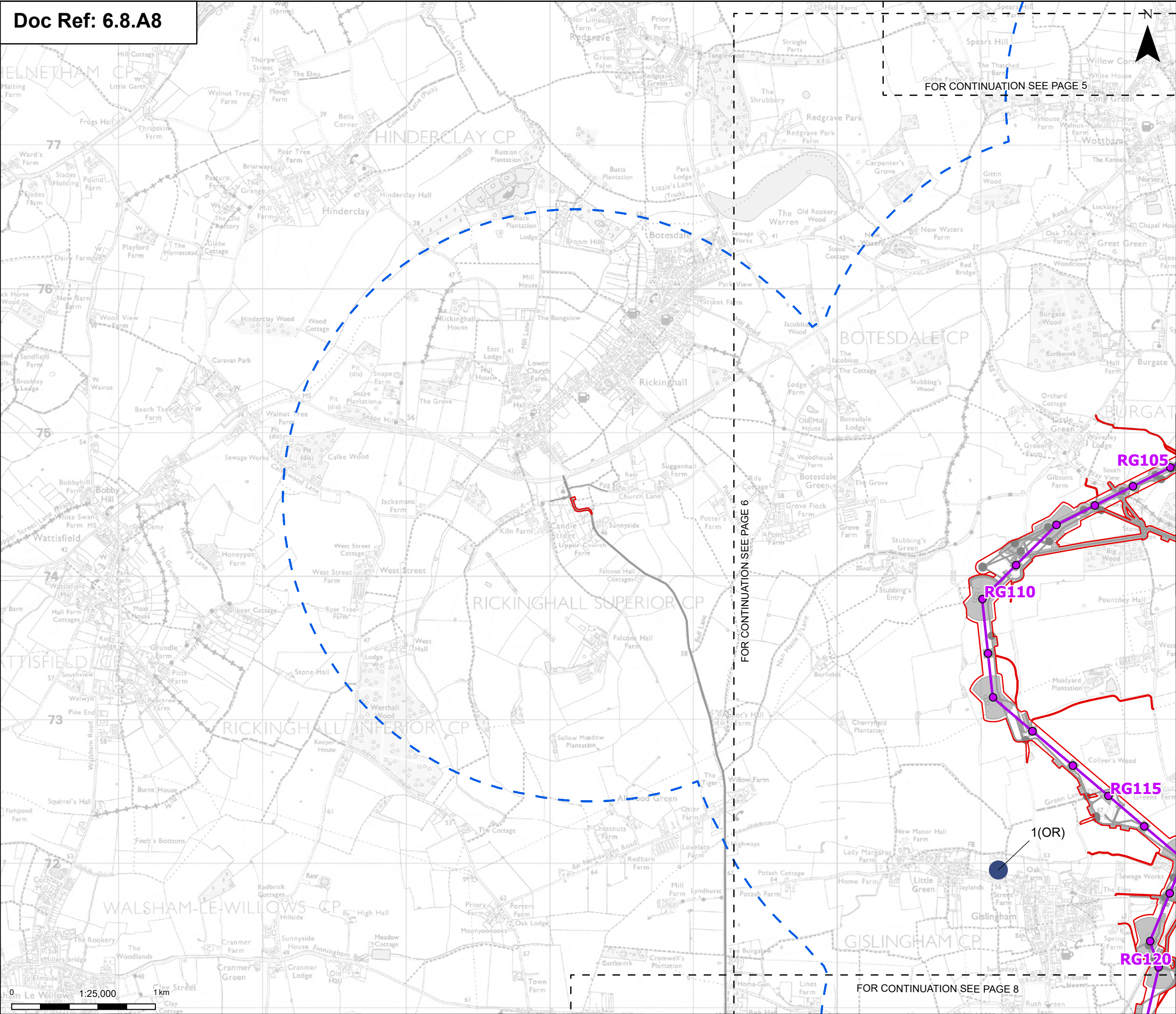
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 6 of 31

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-00323
Revision:
A

Print Date: 08-15-25 12:41:39 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

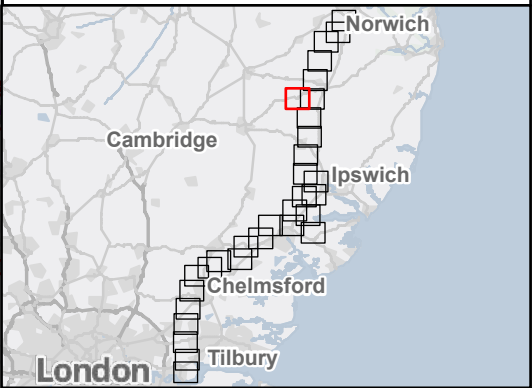
Little egret (ET)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid

PROJECT:

Norwich to Tilbury

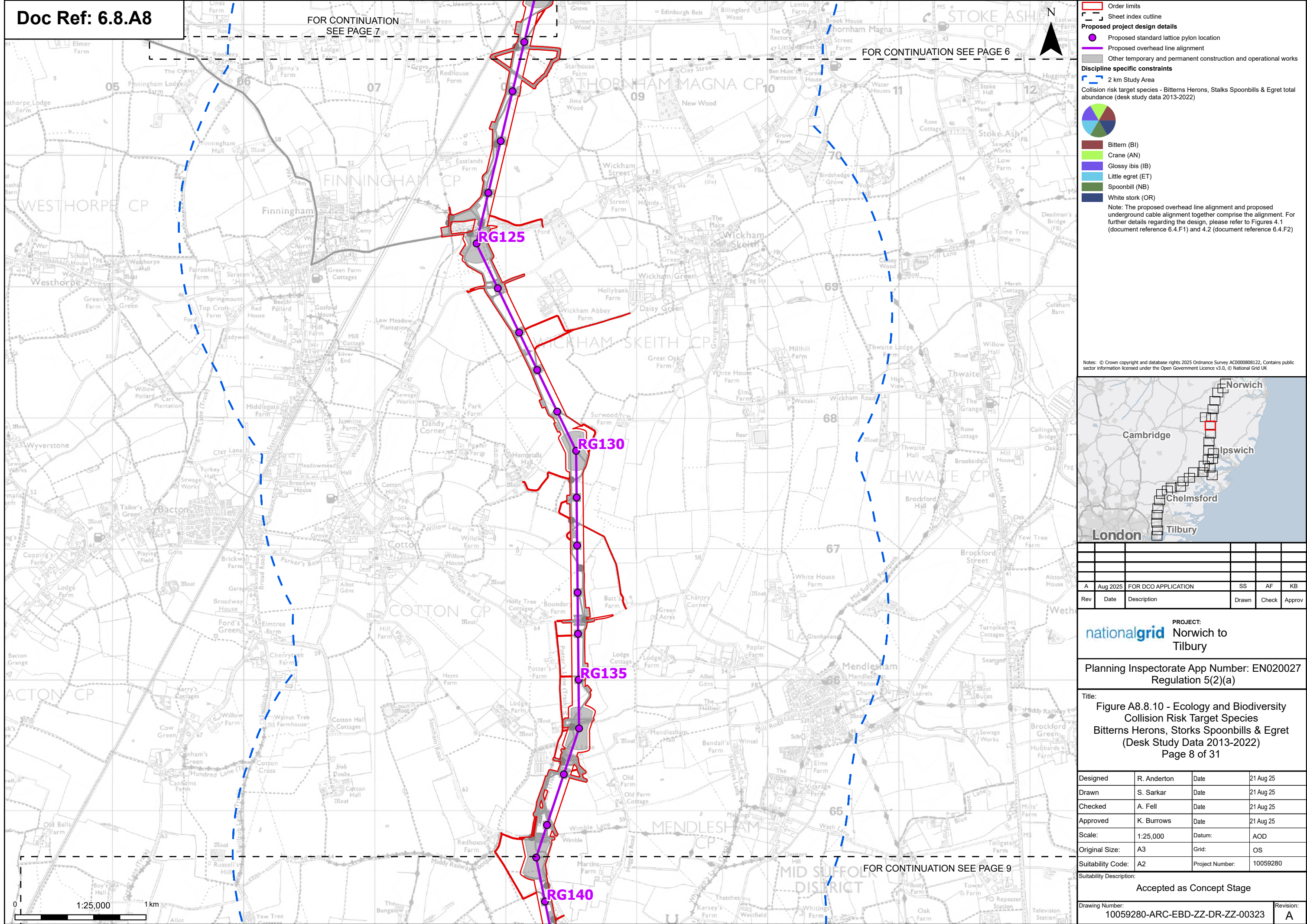
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 7 of 31

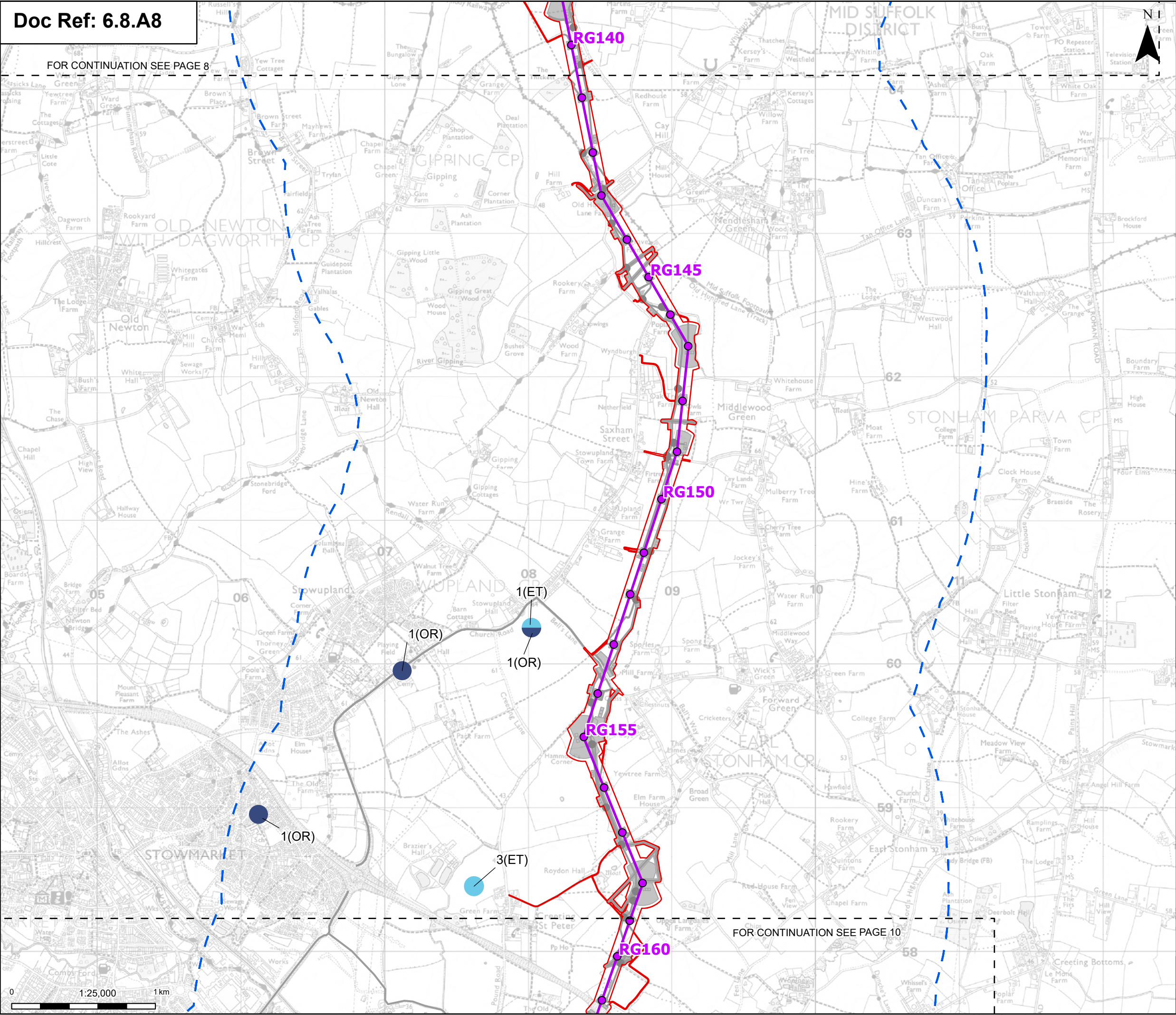
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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



FOR CONTINUATION SEE PAGE 8



Order limits

Sheet index outline

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

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

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

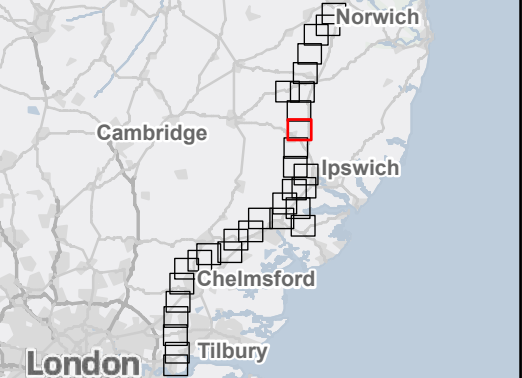
Little egret (ET)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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)

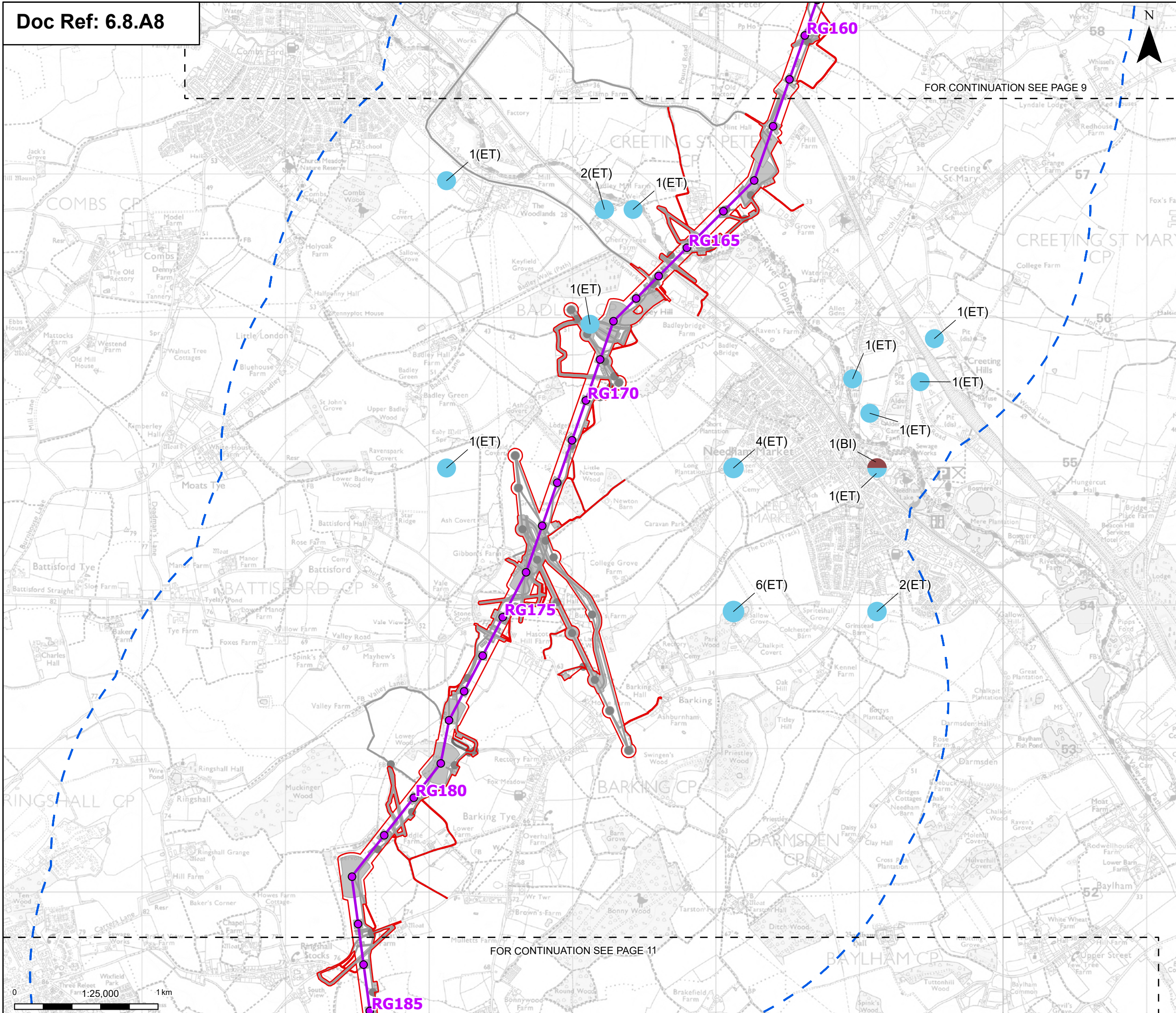
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 9 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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



Order limits

Sheet index outline

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

Page 10 of 31

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

Suitability Description:

Accepted as Concept Stage

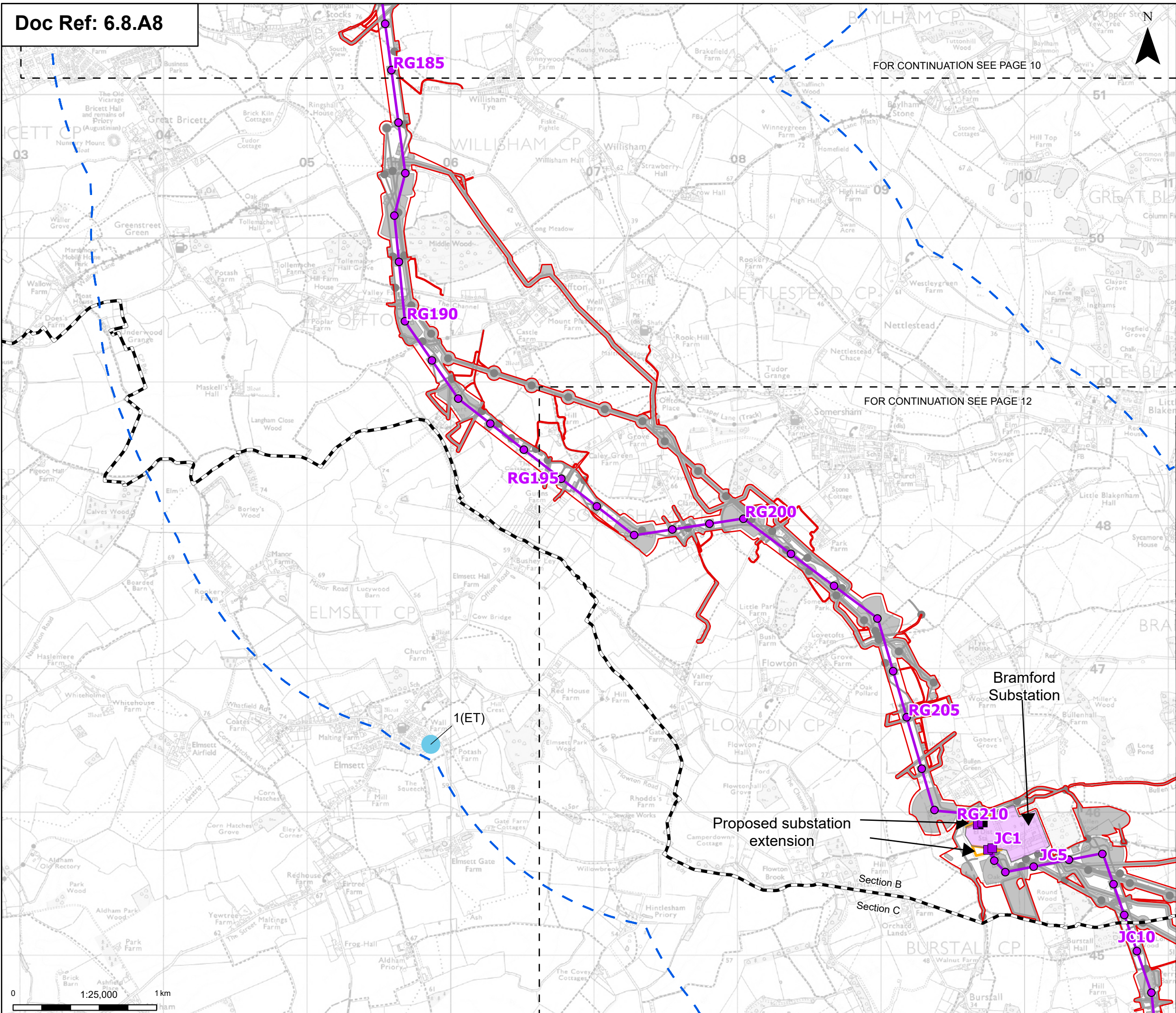
Drawing Number:

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

Revision:

A

Print Date: 08-15-25 12:41:59 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed full line tension gantry

Proposed low duty gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Bramford Substation

Bramford Substation Extension

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

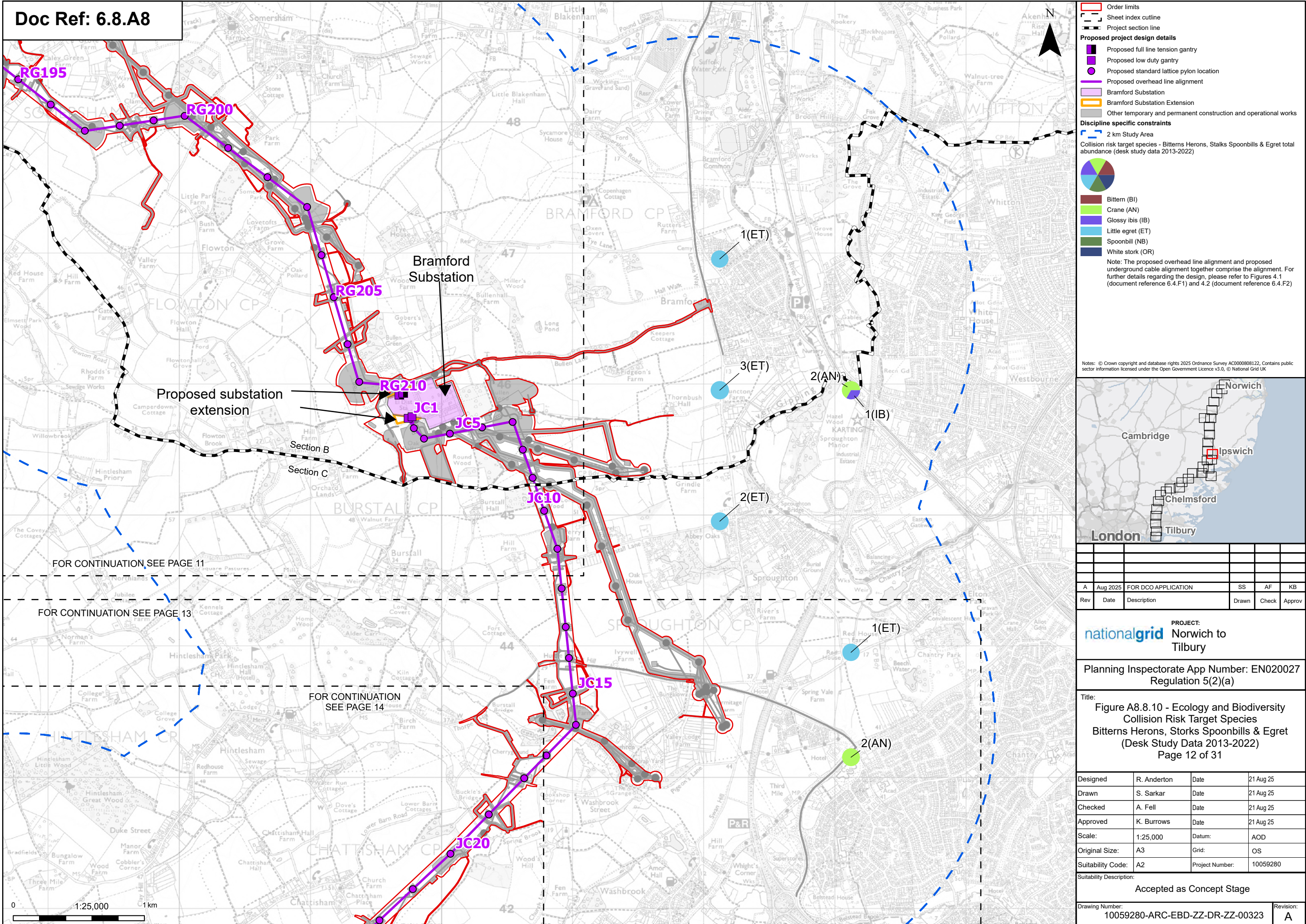
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 11 of 31

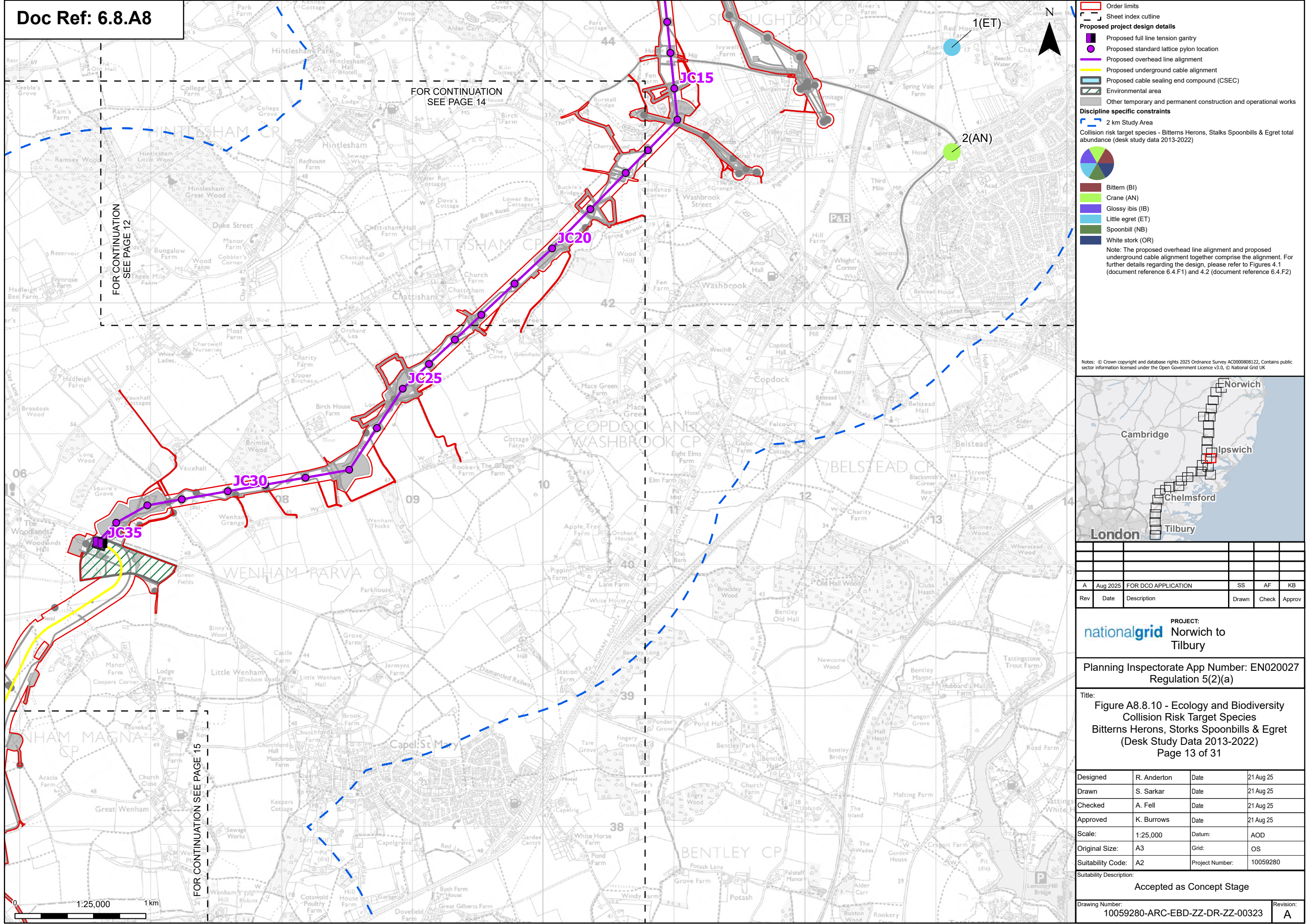
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

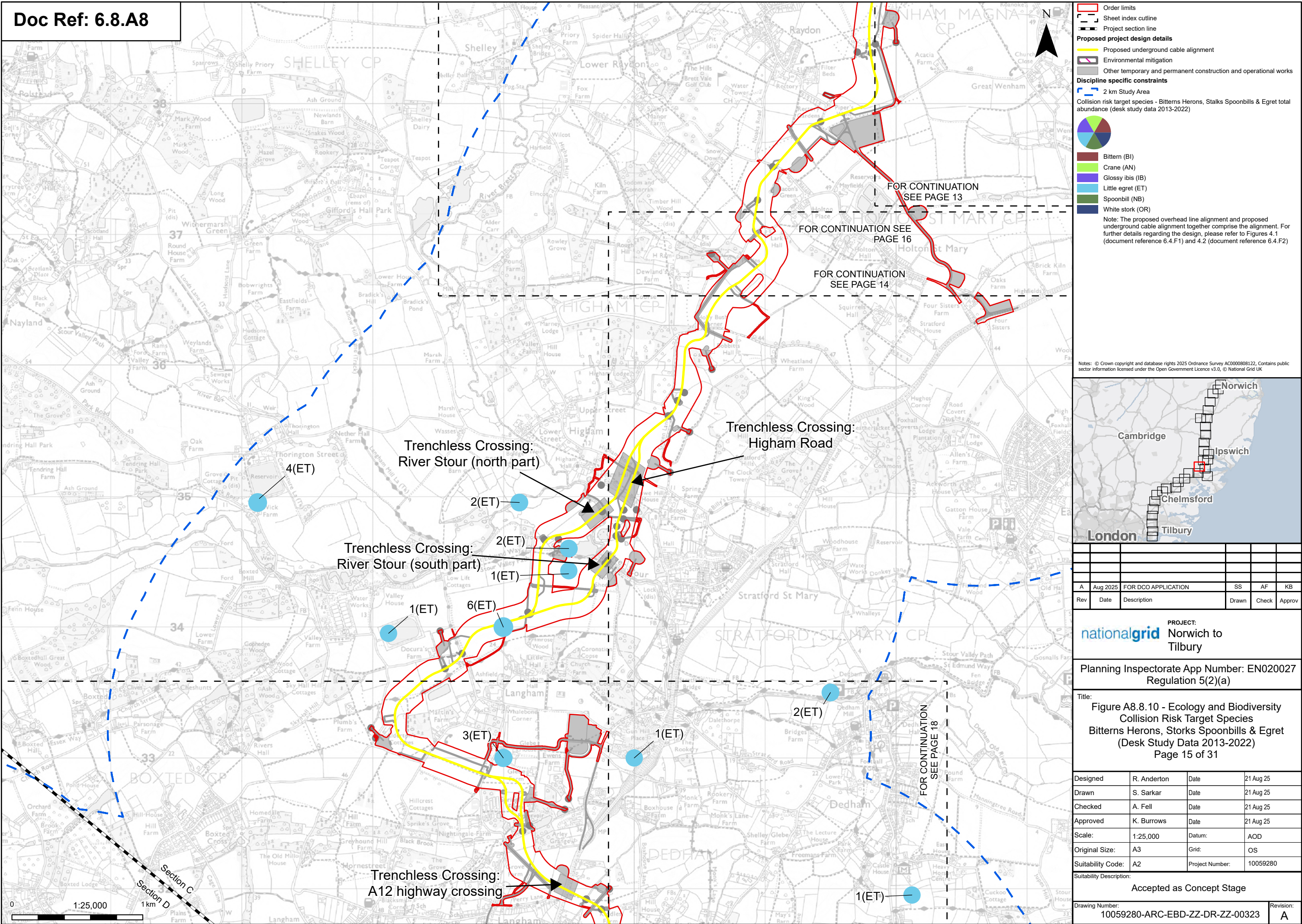
Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:42:04 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC







Order limits

Sheet index cutline

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

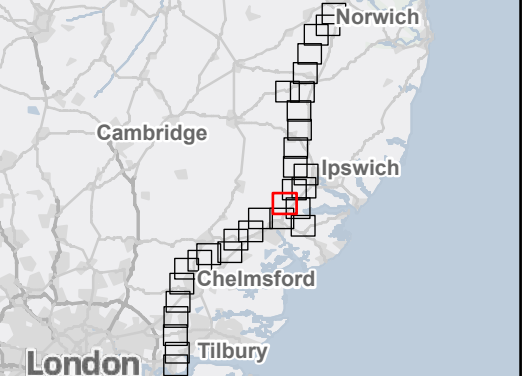
Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT: **Norwich to Tilbury**

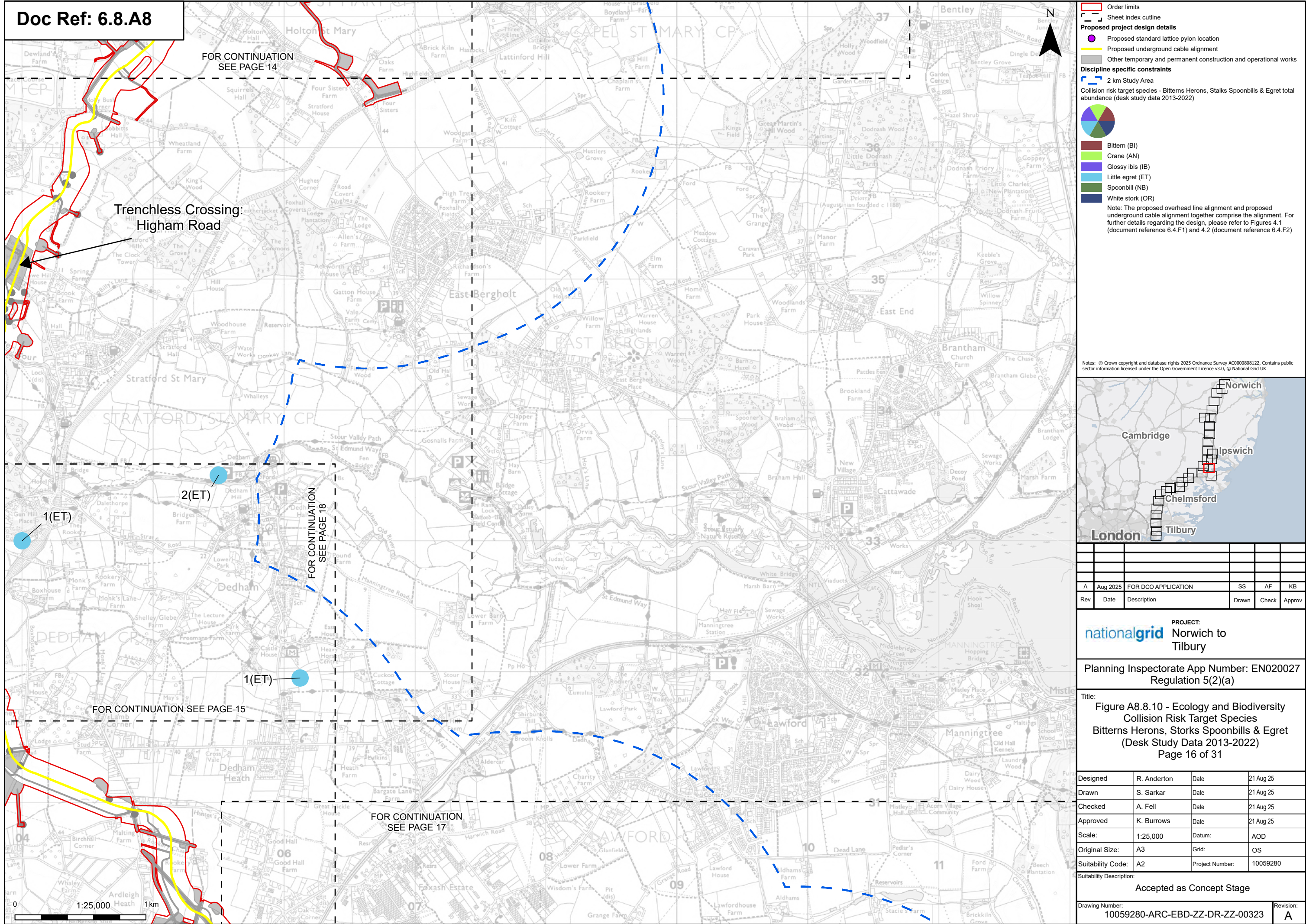
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

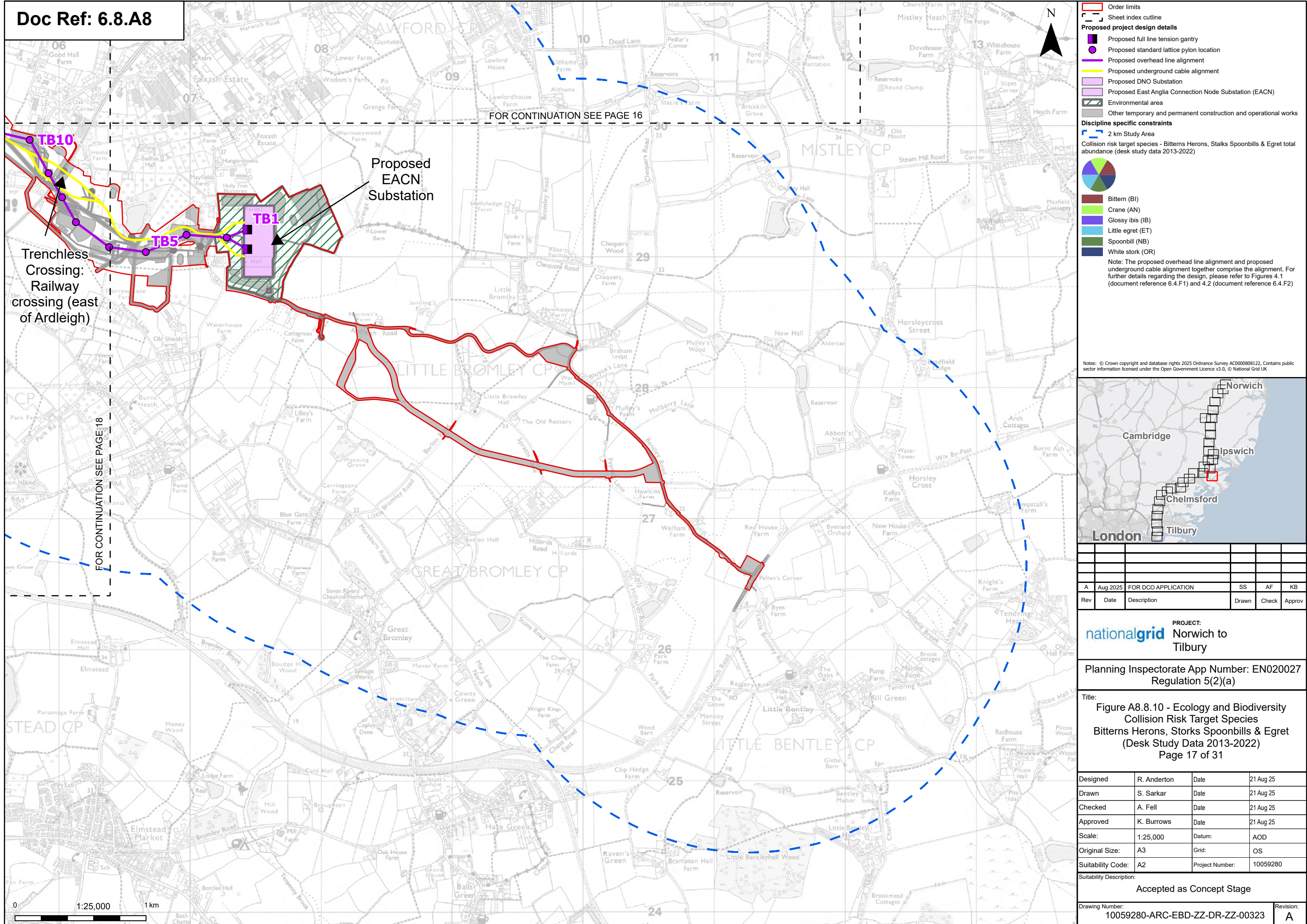
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 15 of 31

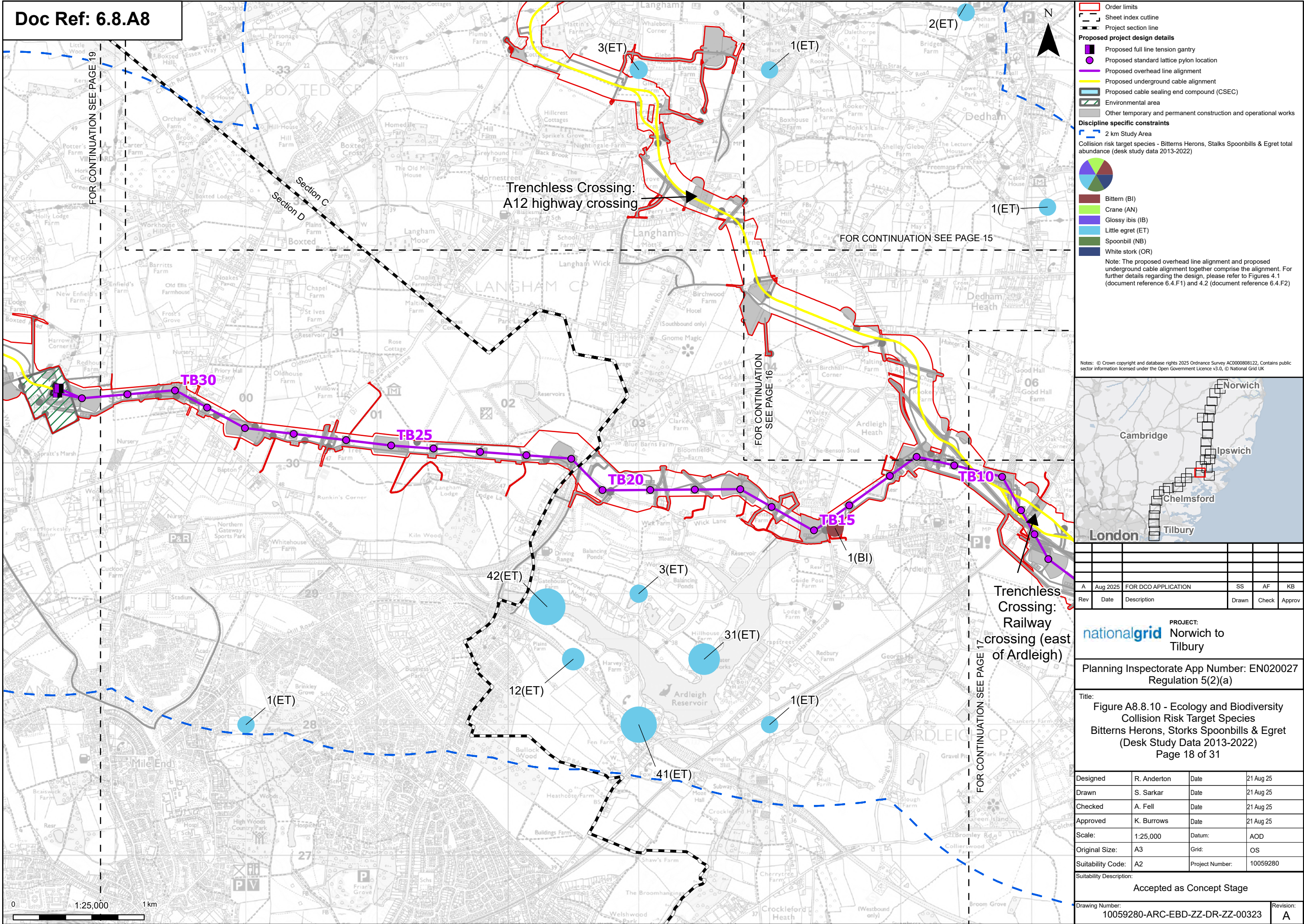
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

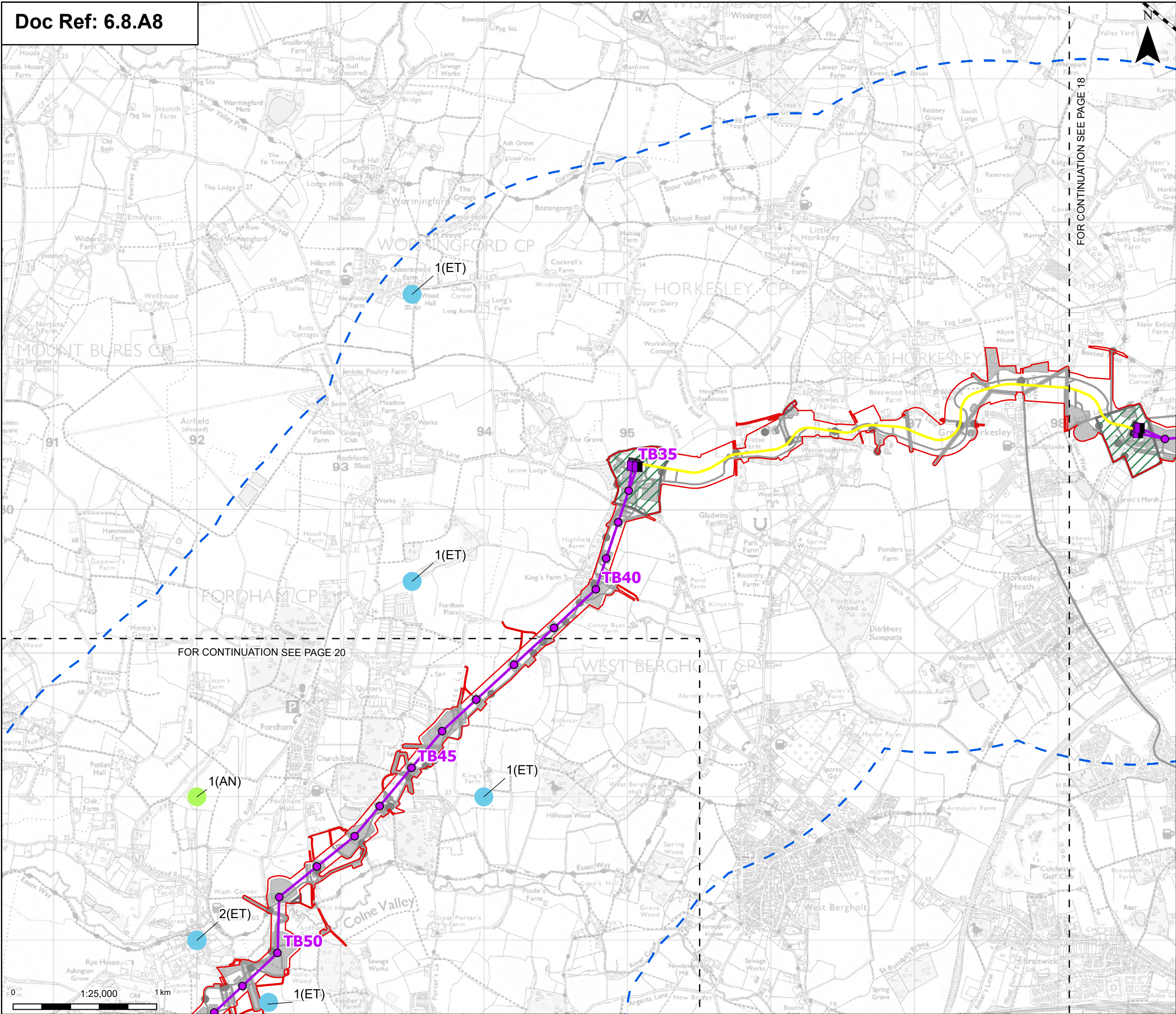
Accepted as Concept Stage

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









Order limits

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

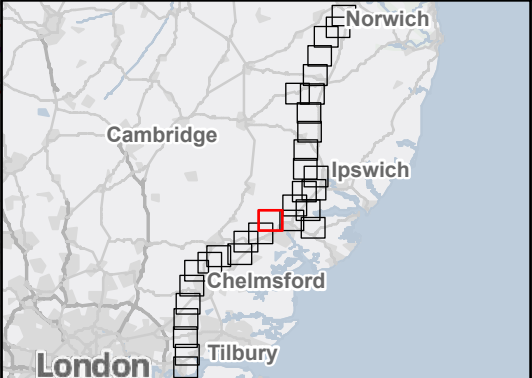
Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

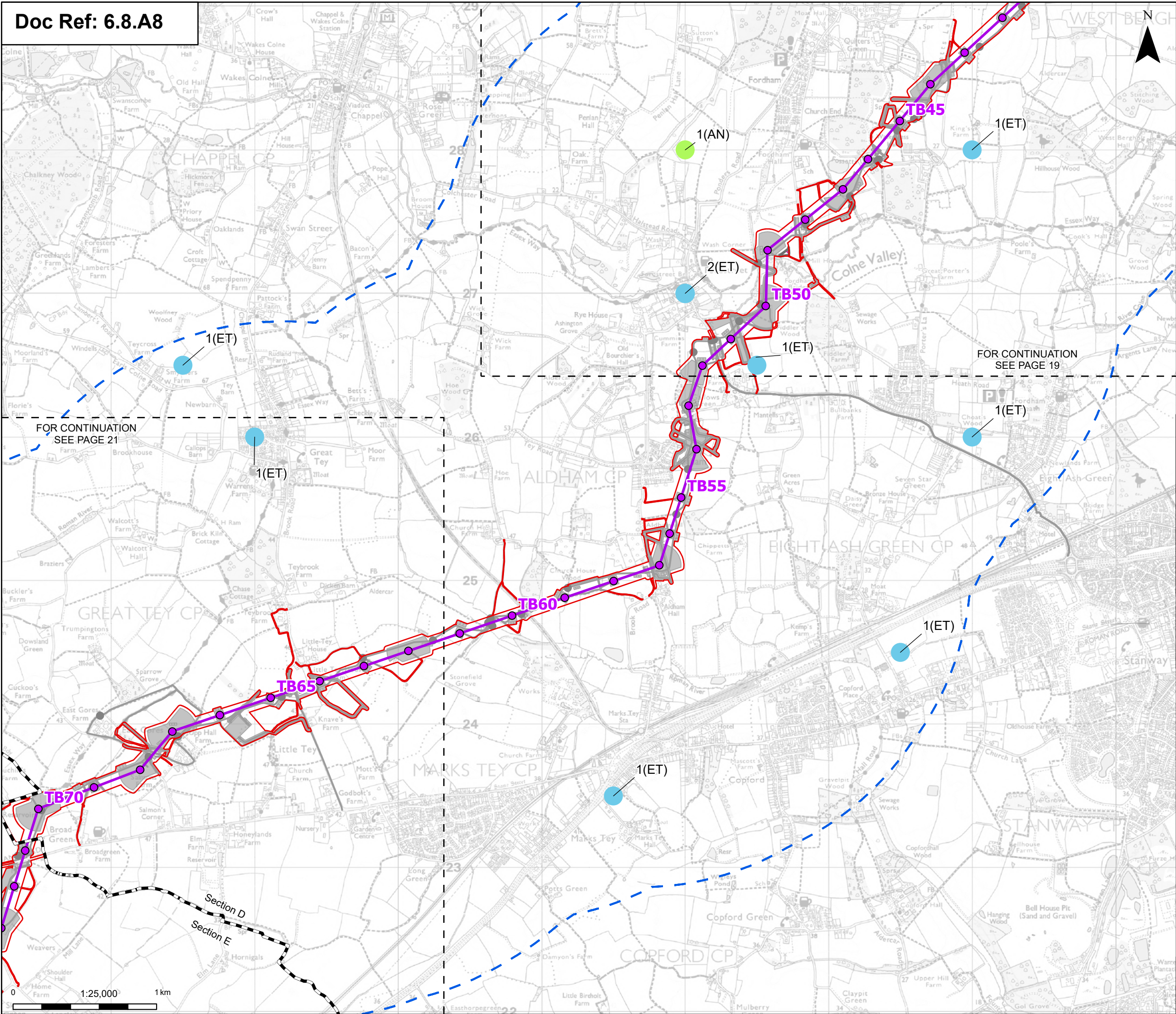
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 19 of 31

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

Suitability Description:
Accepted as Concept Stage

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



Order limits

- 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

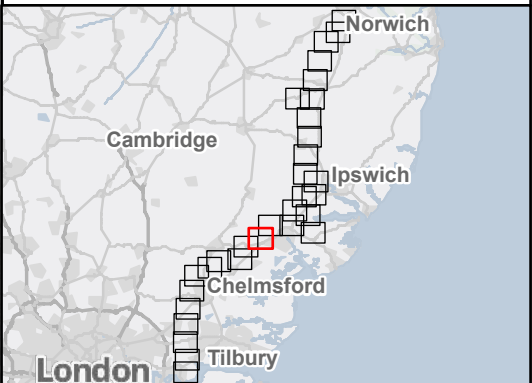
Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC00008122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

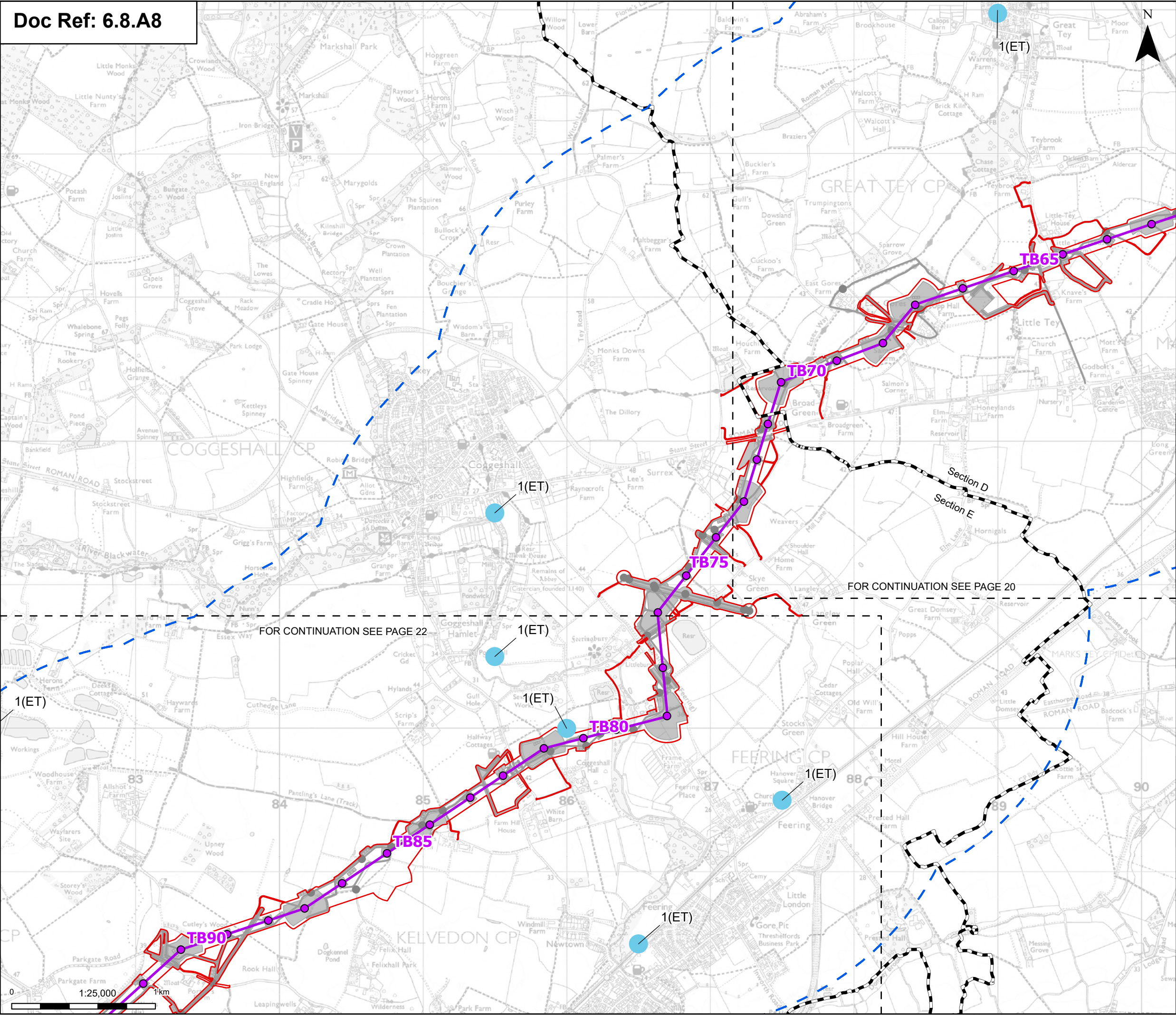
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 20 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-00323
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, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

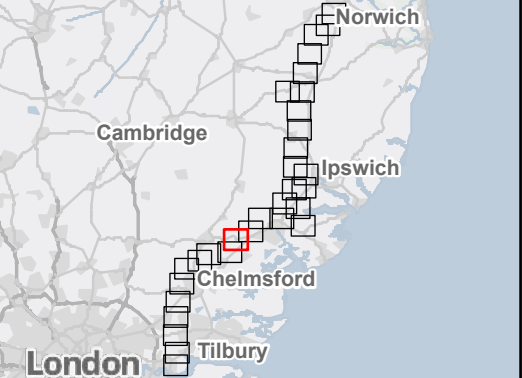
Little egret (ET)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to
Tilbury

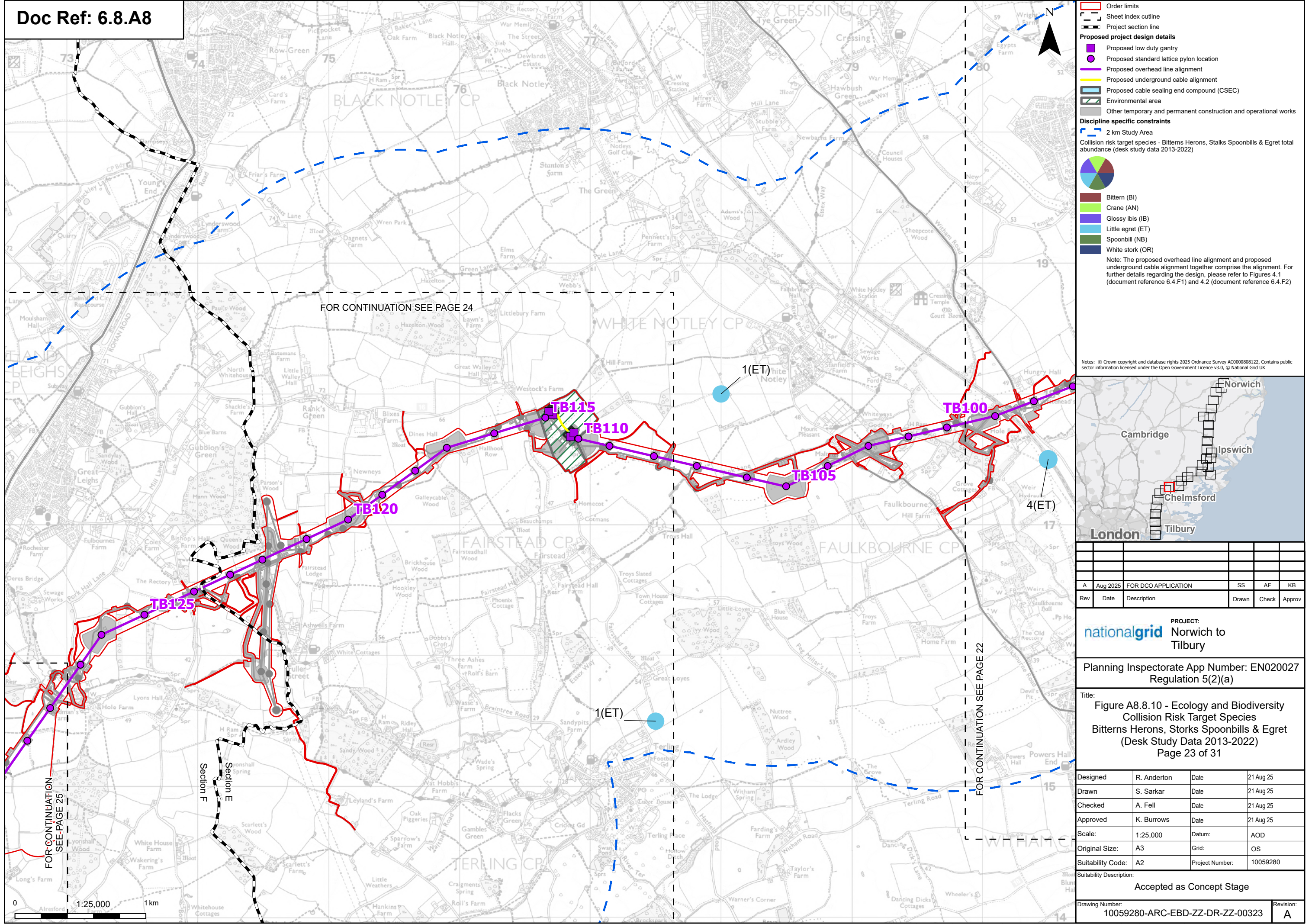
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

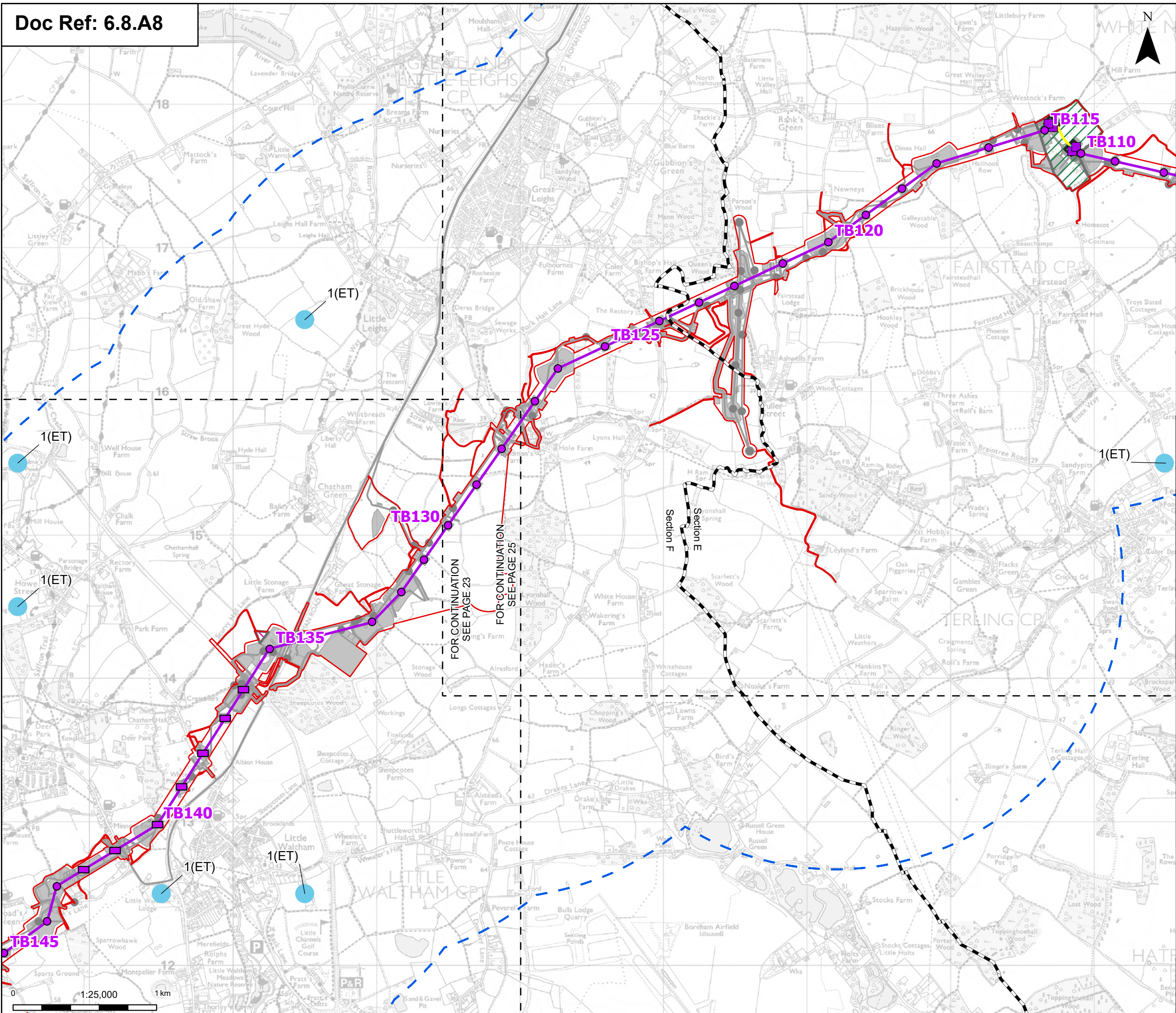
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 21 of 31

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

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 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

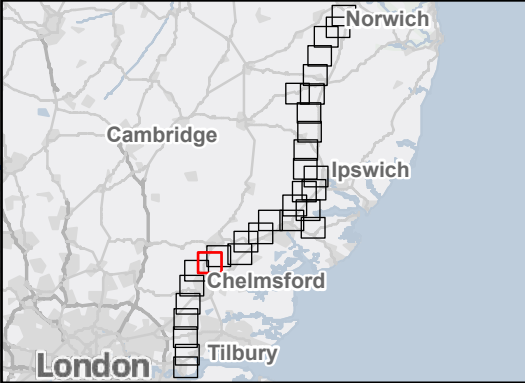
Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

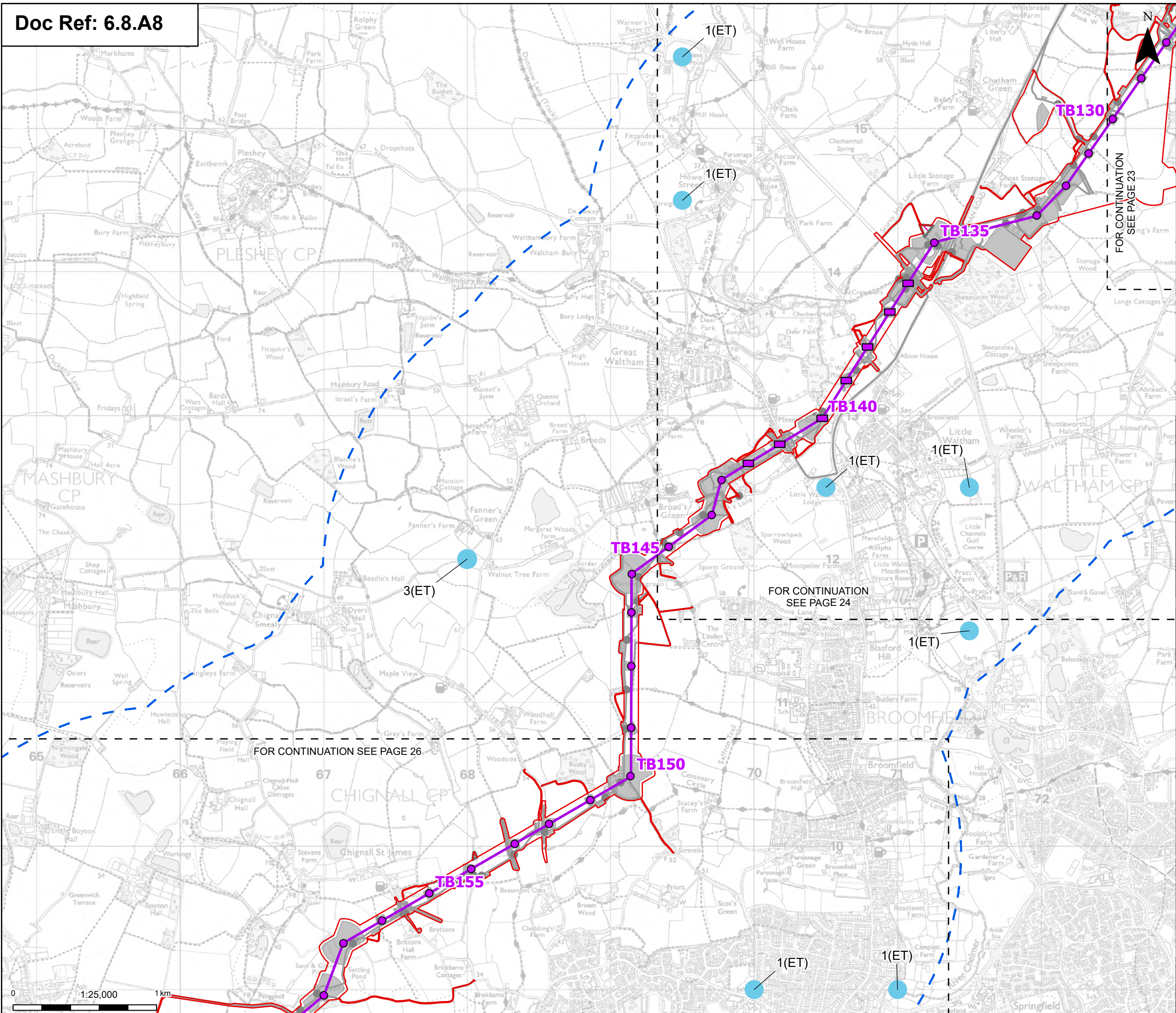
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 24 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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
-----------------	---------------------------------	-----------	---



Order limits

Sheet index cutline

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

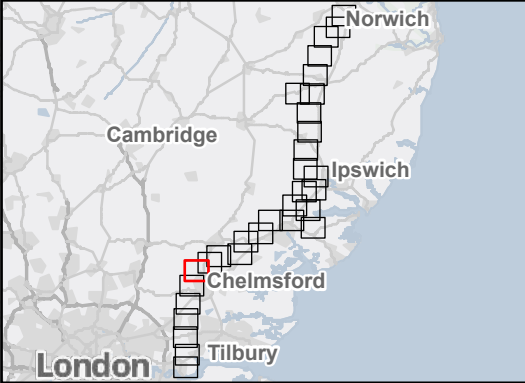
- 2 km Study Area
- Collision risk target species - Bitterns Herons, Storks Spoonbills & Egret total abundance (desk study data 2013-2022)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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)

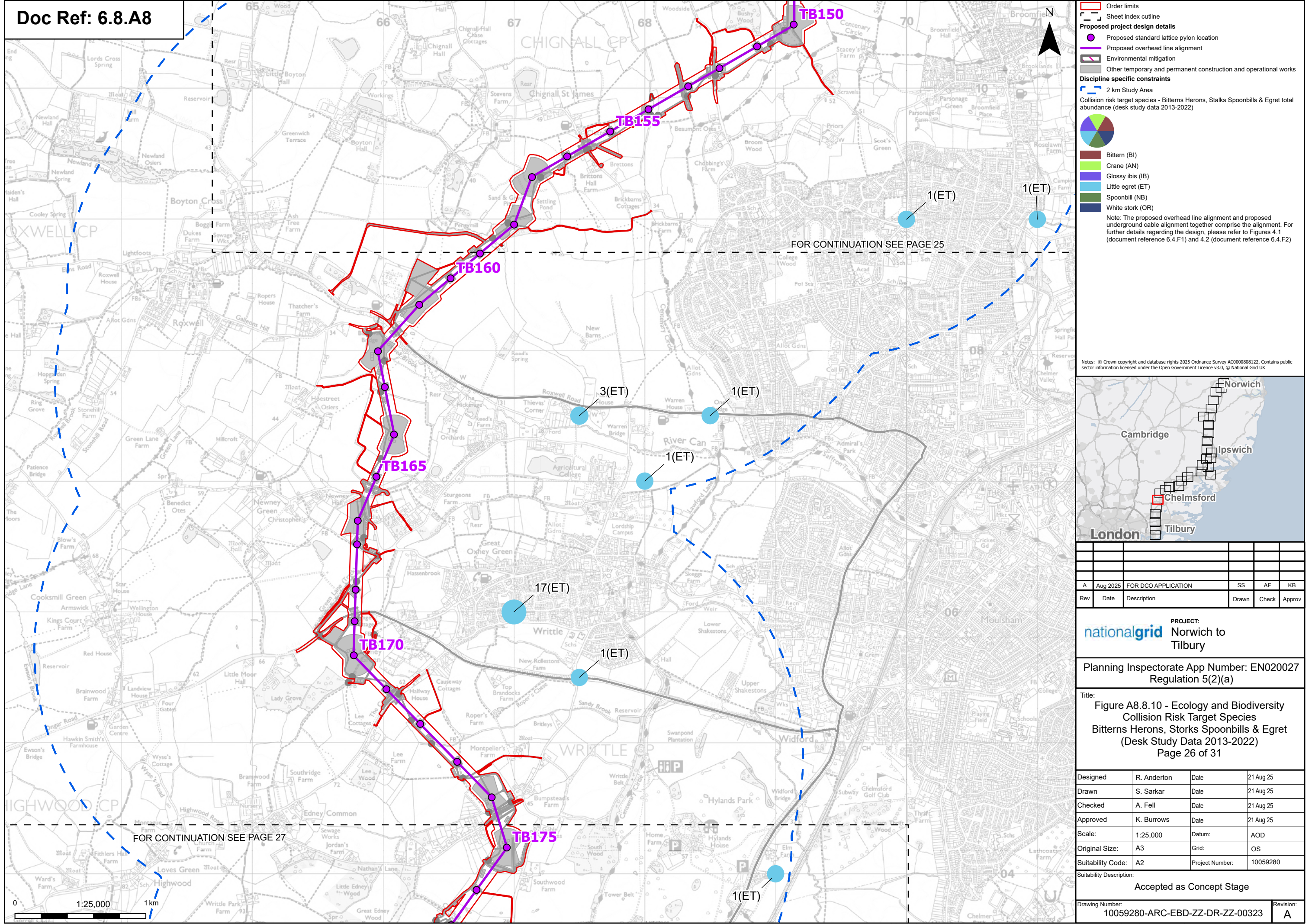
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 25 of 31

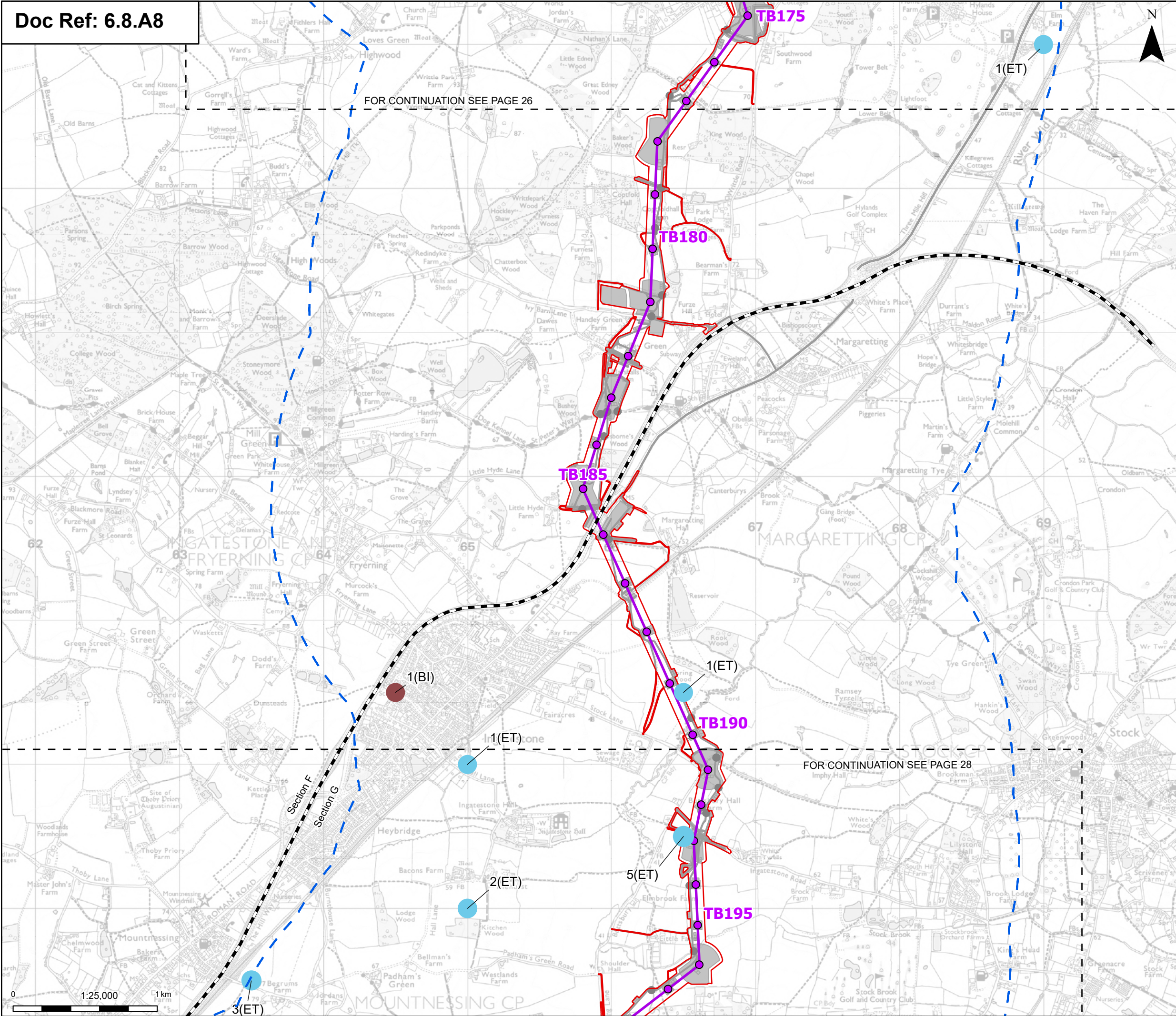
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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

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

Bittern (BI)

Crane (AN)

Glossy ibis (IB)

Little egret (ET)

Spoonbill (NB)

White stork (OR)

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

Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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

PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

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

Page 27 of 31

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

Suitability Description:

Accepted as Concept Stage

Drawing Number:

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

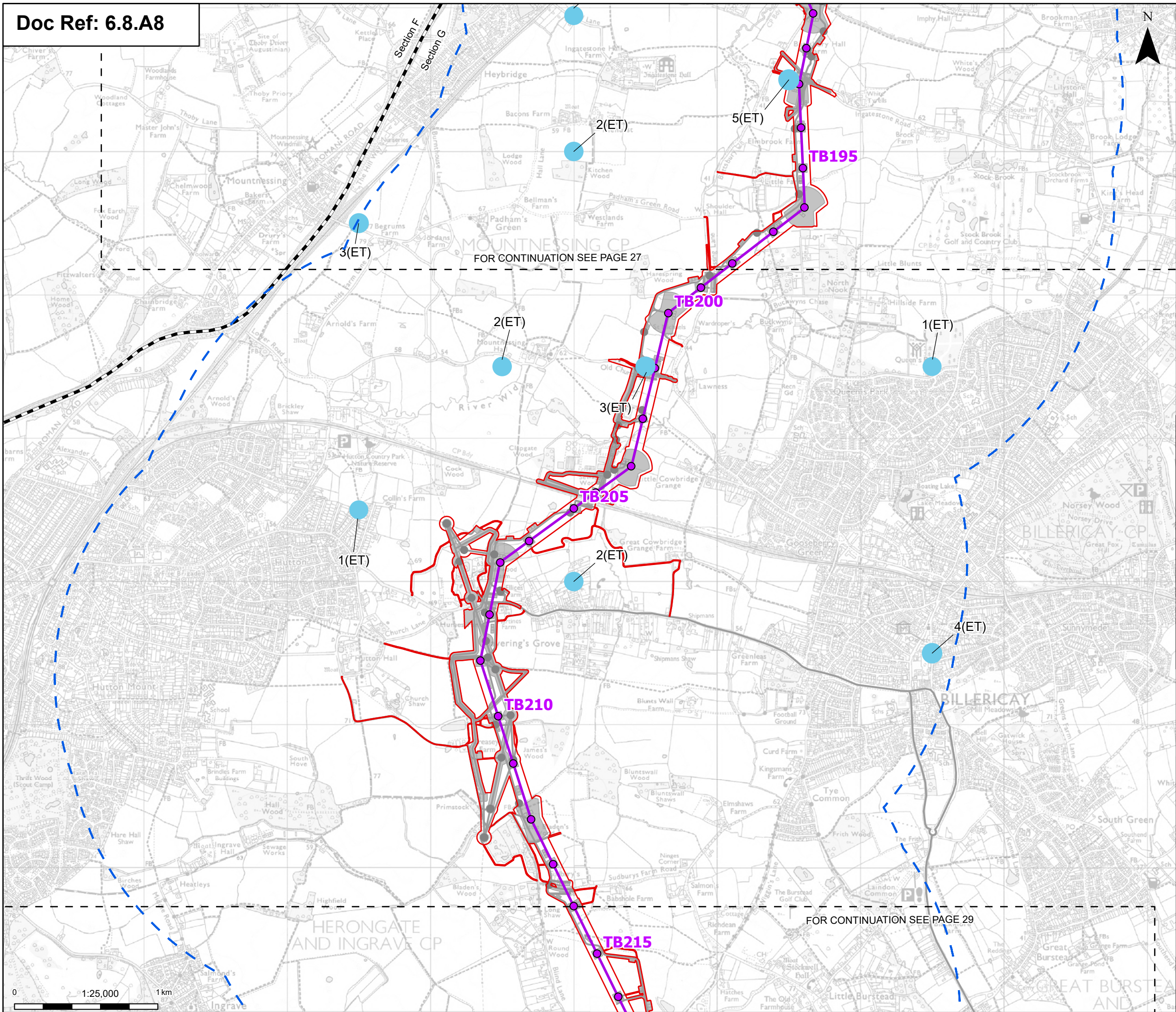
Revision:

A

Print Date:

08-15-25 12:43:38

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

nationalgrid

PROJECT:
Norwich to
Tilbury

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

Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 28 of 31

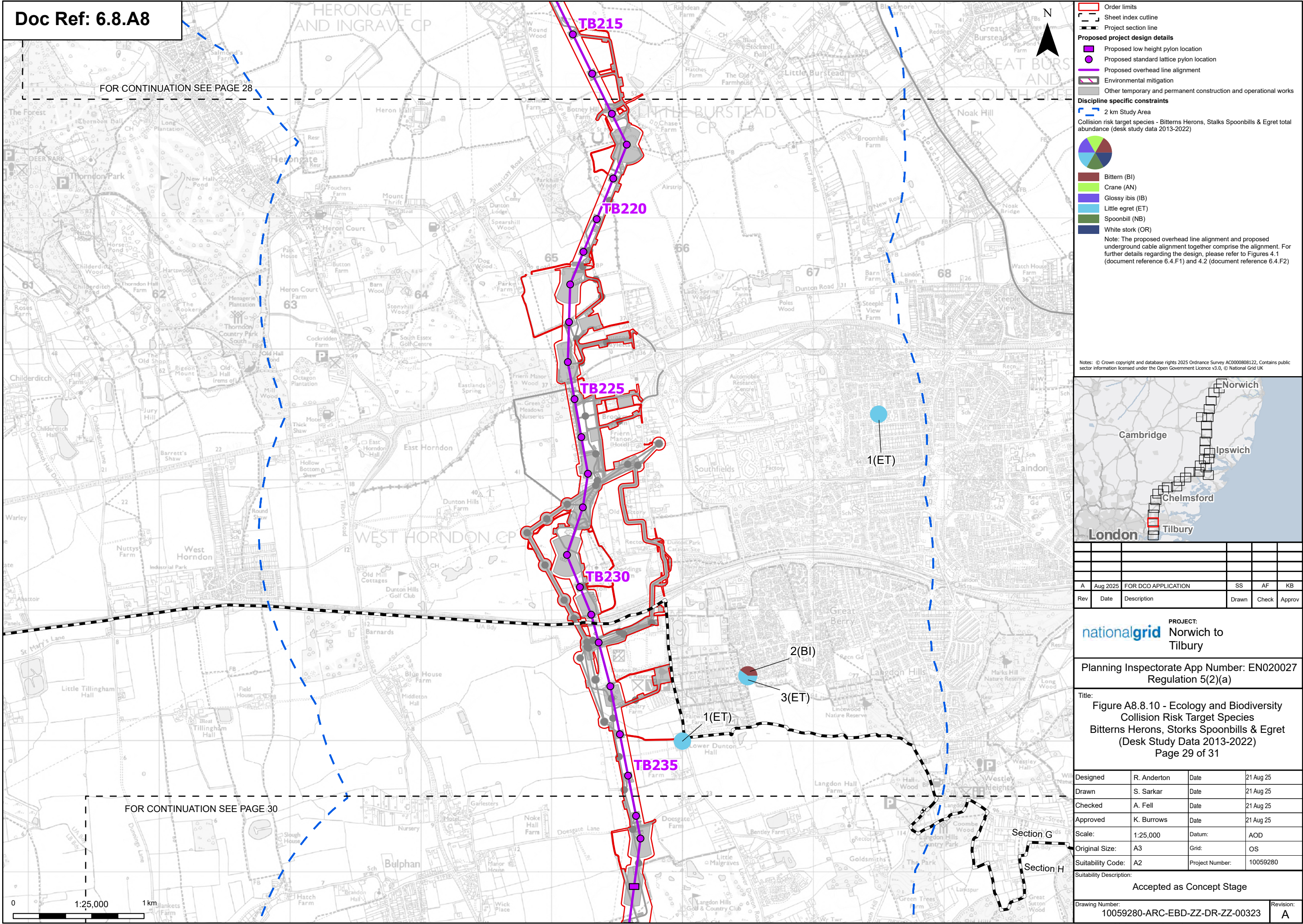
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

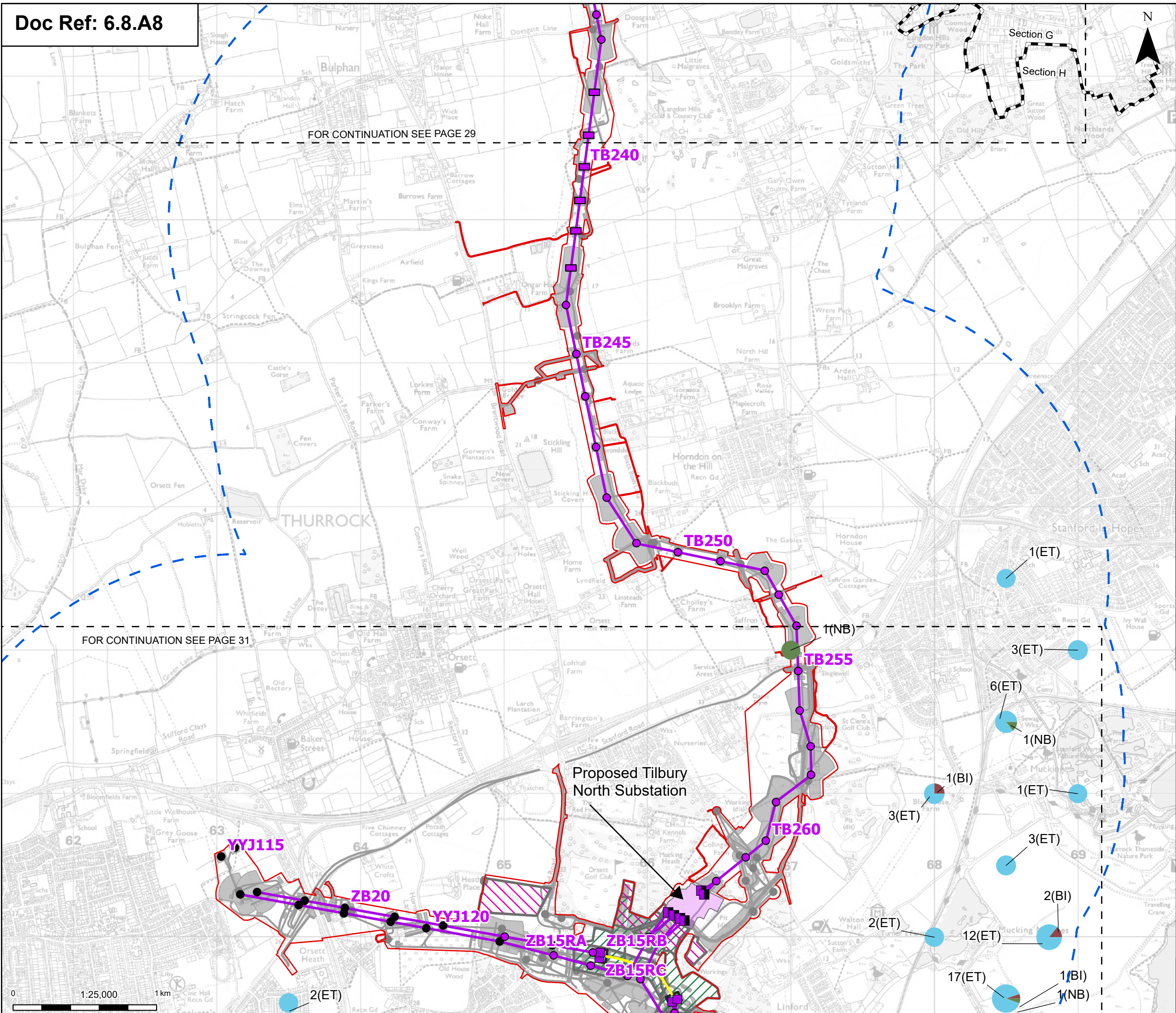
Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:43:47

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





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)

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
Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

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

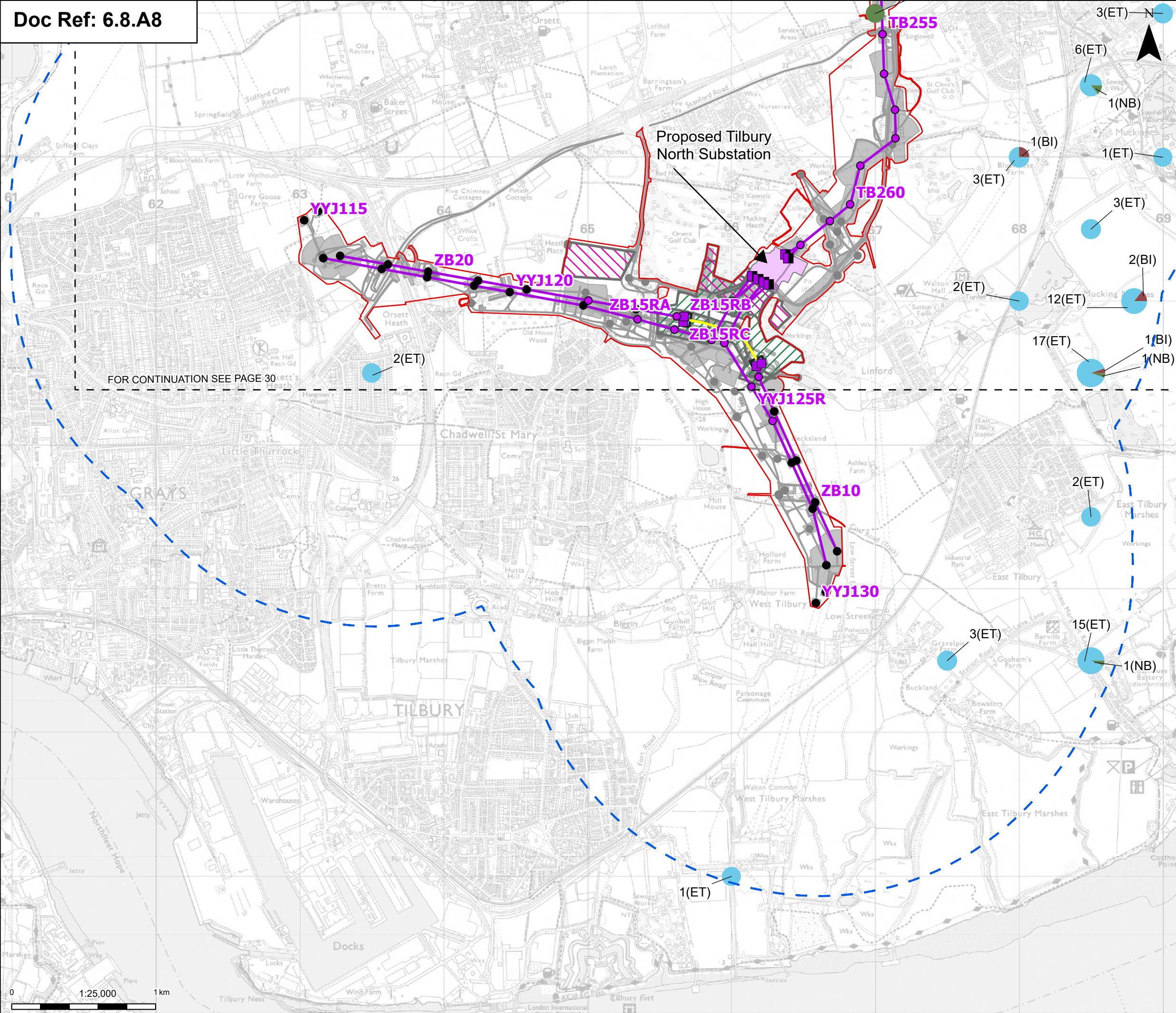
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 30 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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



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)

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
Rev	Date	Description	Drawn	Check	Approv

PROJECT: **nationalgrid** Norwich to Tilbury

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

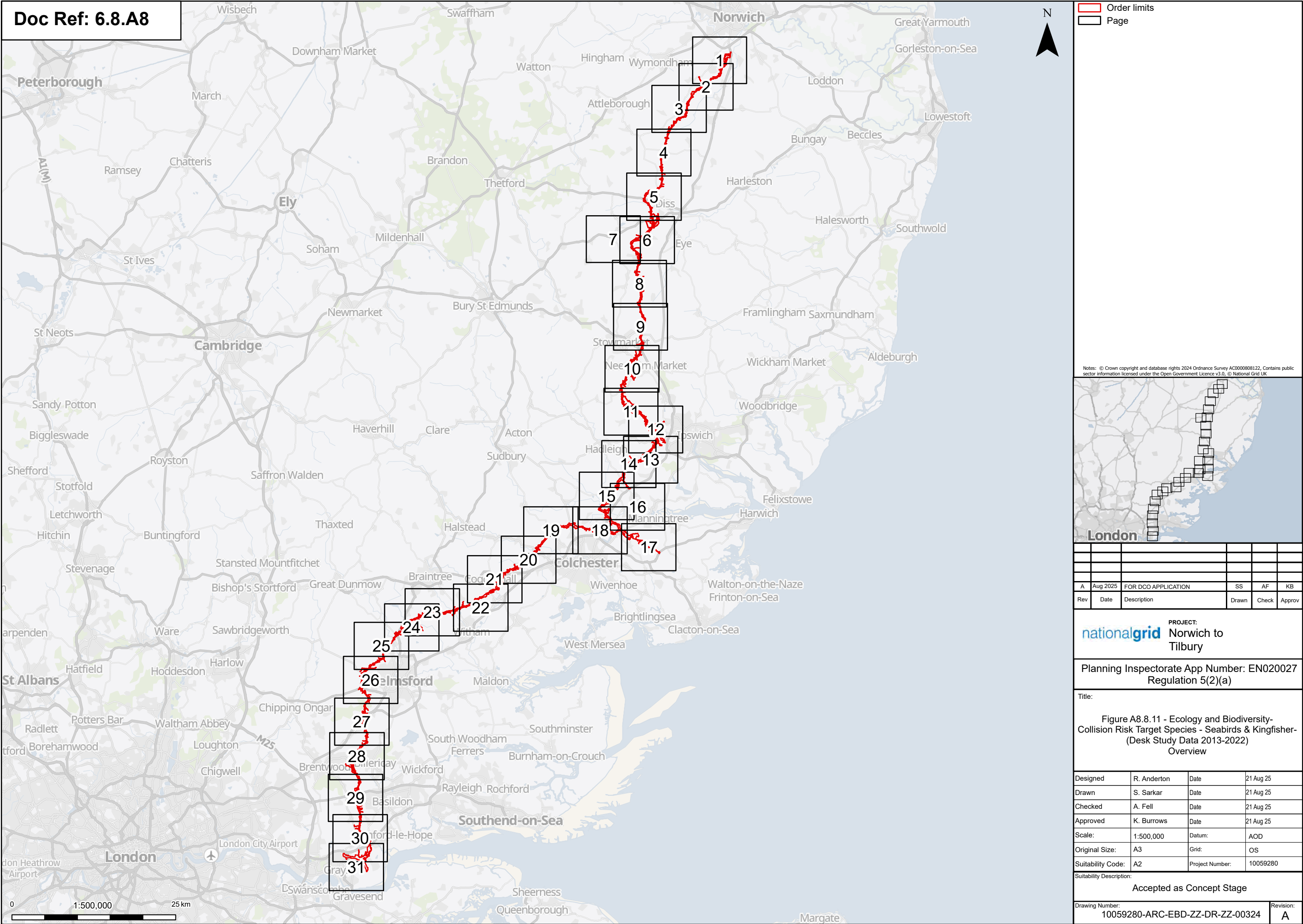
Title:
Figure A8.8.10 - Ecology and Biodiversity
Collision Risk Target Species
Bitterns Herons, Storks Spoonbills & Egret
(Desk Study Data 2013-2022)
Page 31 of 31

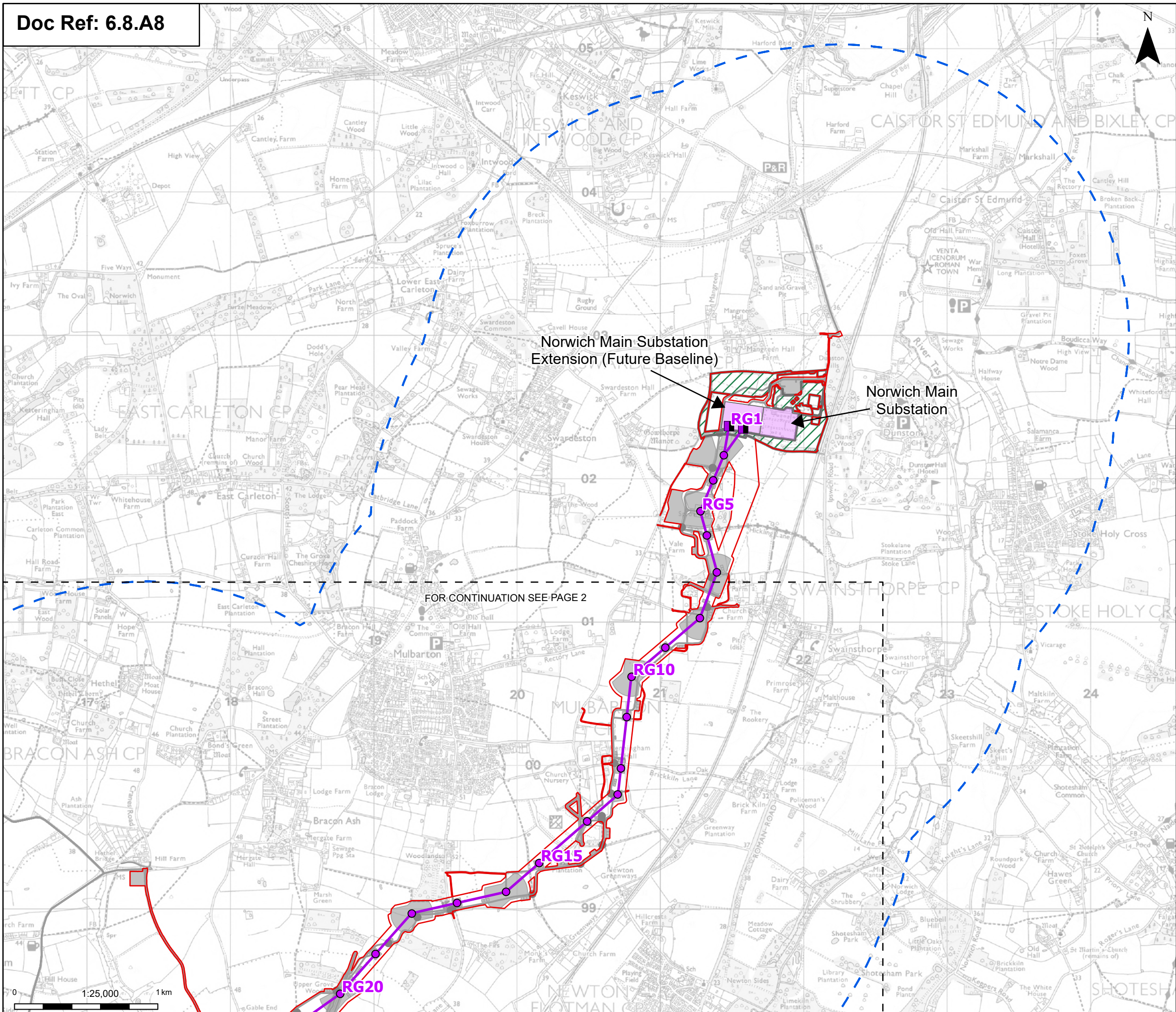
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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

Revision:
A





Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT: Norwich to Tilbury

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

Title: Figure A8.8.11 - Ecology and Biodiversity-Collision Risk Target Species - Seabirds & Kingfisher-(Desk Study Data 2013-2022) Page 1 of 31

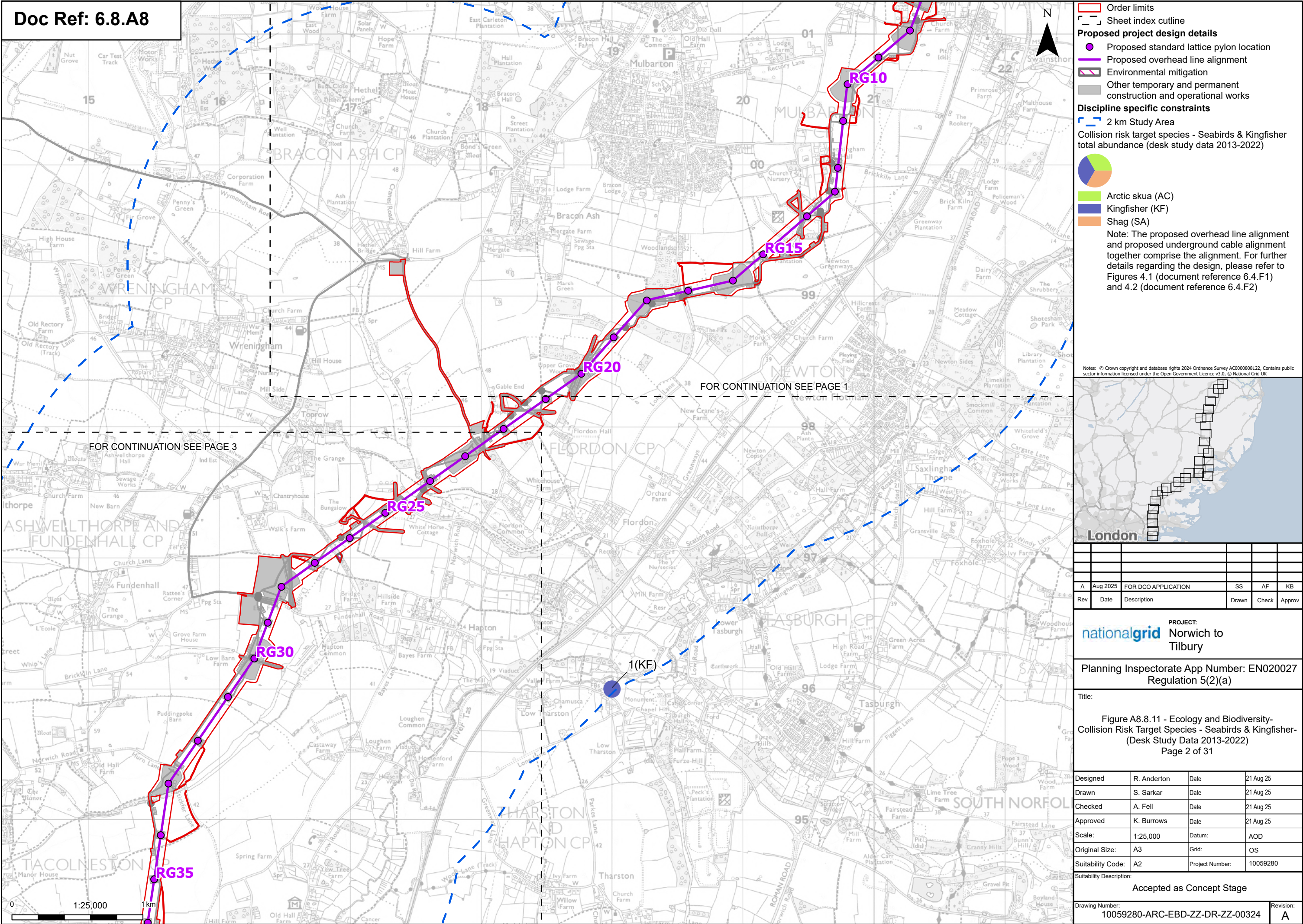
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

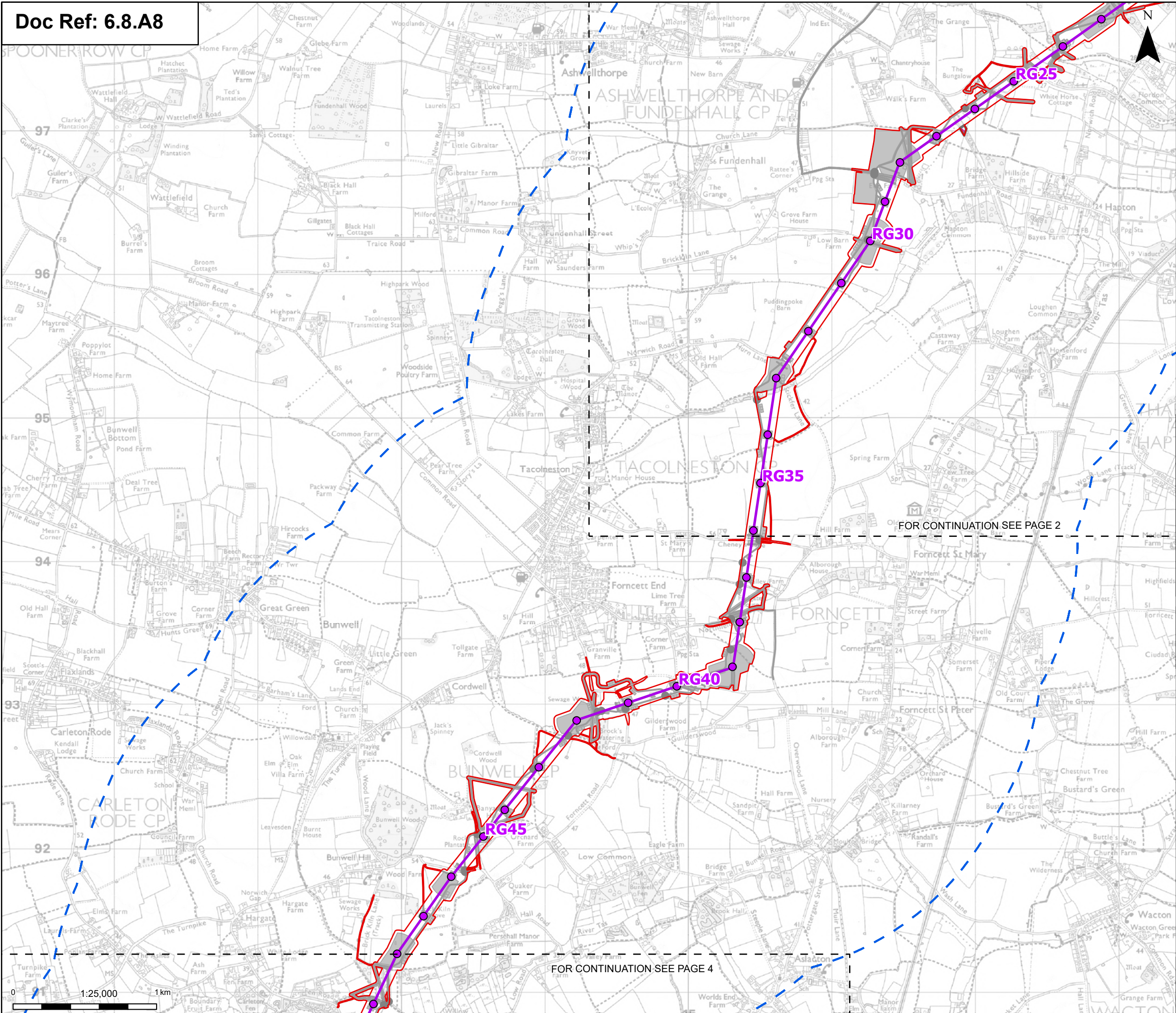
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00324

Revision: A

Print Date: 08-15-25 12:42:53 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:

Norwich to Tilbury

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

Title:

Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 3 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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-00324

Revision:
A

Print Date: 08-15-25 12:43:05

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC

FOR CONTINUATION SEE PAGE 3

FOR CONTINUATION SEE PAGE 5

Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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 A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 4 of 31

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

Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:43:10 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC

FOR CONTINUATION SEE PAGE 4

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 7

Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC000080122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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 A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 5 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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-00324

Revision:
A

Print Date: 08-15-25 12:43:16 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC

FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 8
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

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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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 A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 6 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

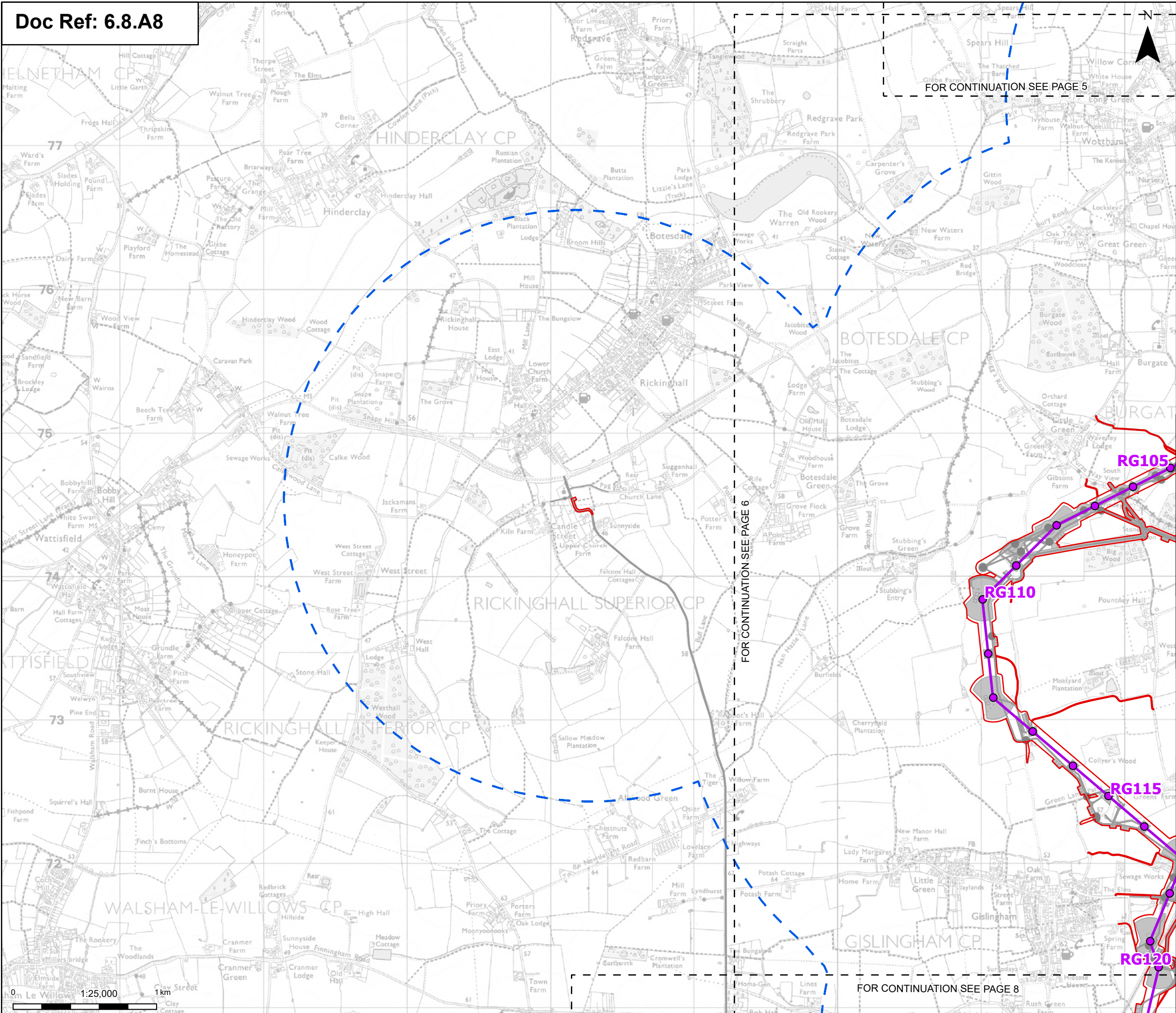
Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00324

Revision:
A

Print Date: 08-15-25 12:43:22

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT: Norwich to Tilbury

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

Title: Figure A8.8.11 - Ecology and Biodiversity- Collision Risk Target Species - Seabirds & Kingfisher- (Desk Study Data 2013-2022) Page 7 of 31

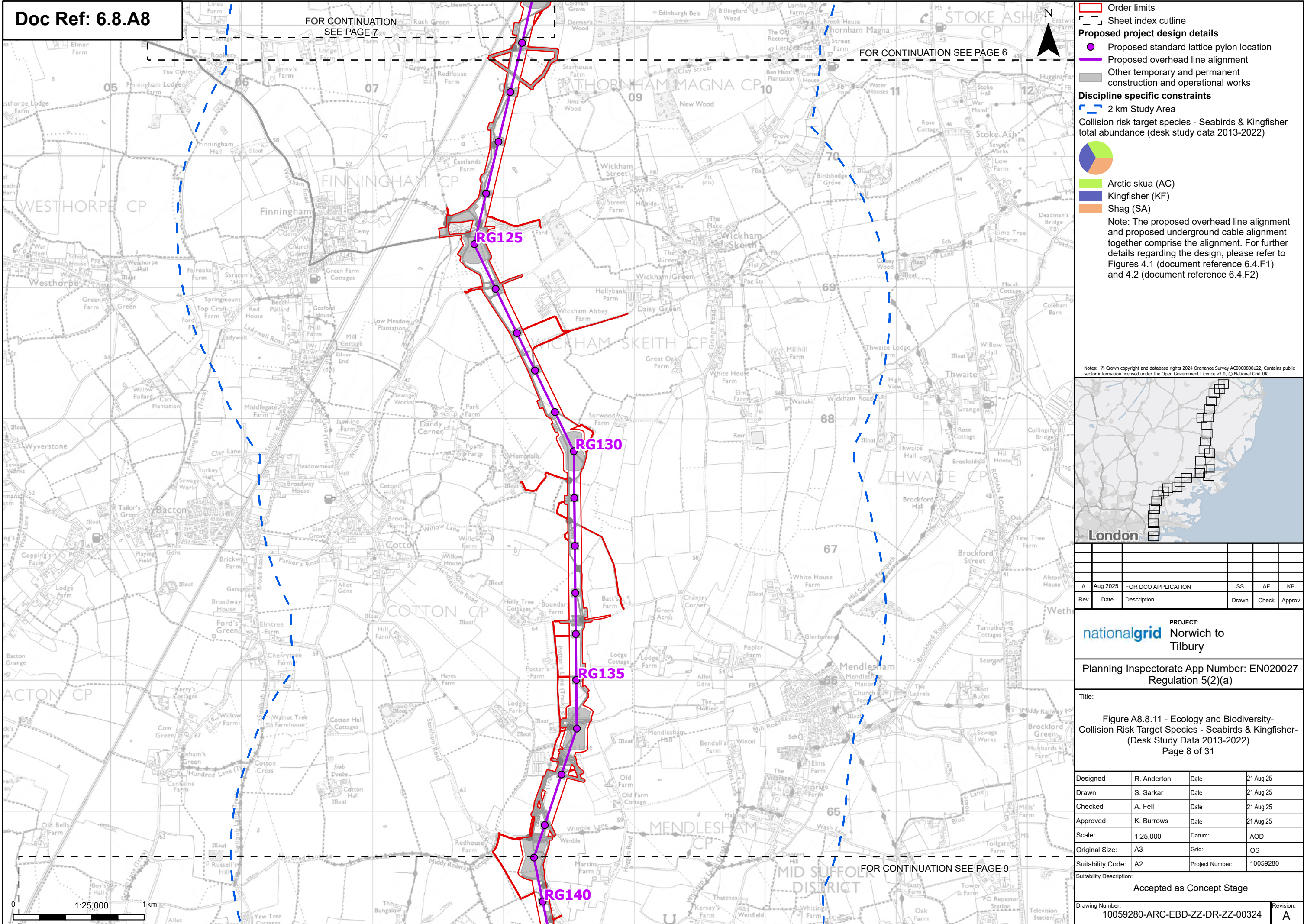
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

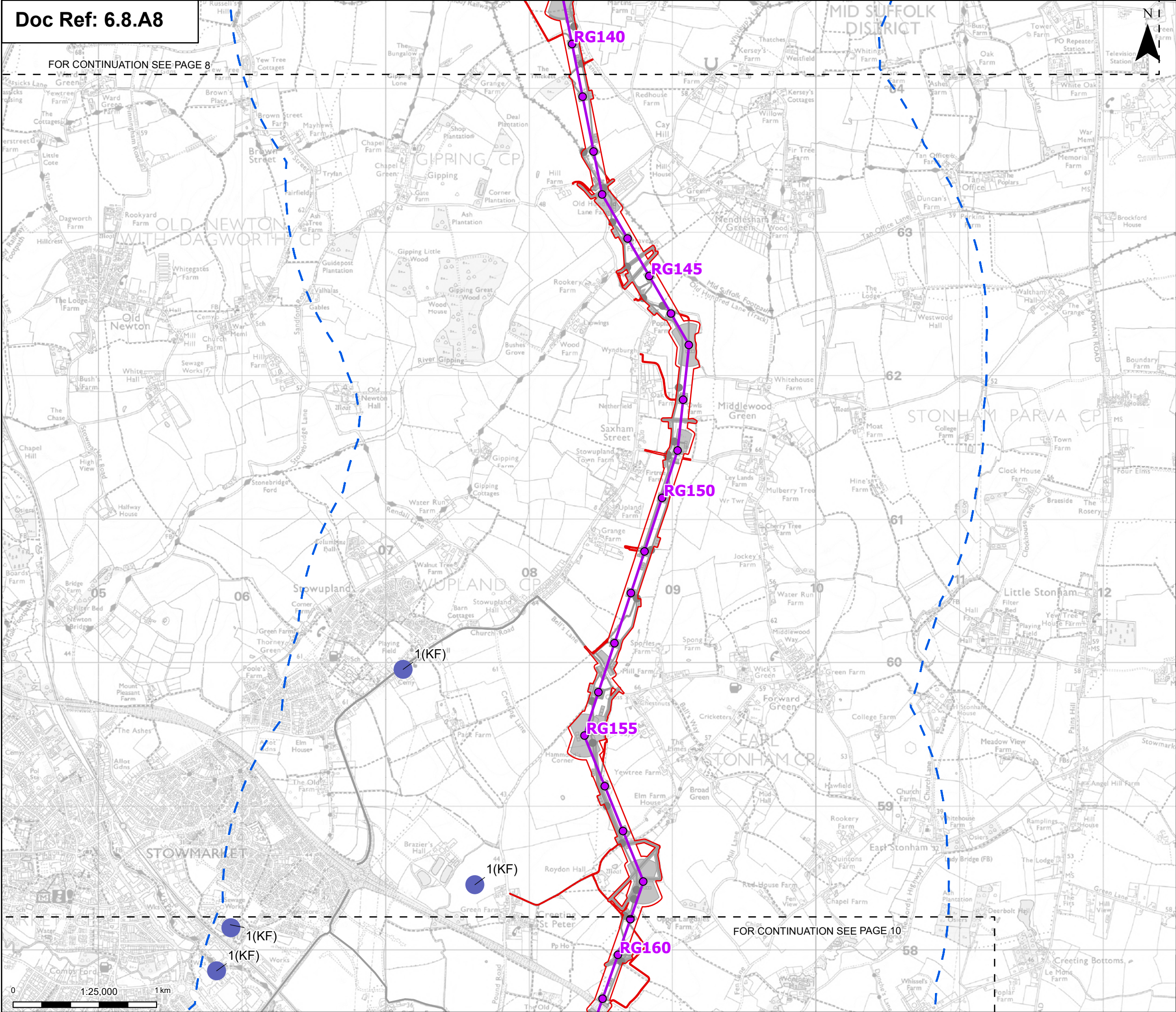
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00324

Revision: A

Print Date: 08-15-25 12:43:29 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



FOR CONTINUATION SEE PAGE 8



Order limits

Sheet index outline

Proposed project design details

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

Discipline specific constraints

2 km Study Area

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

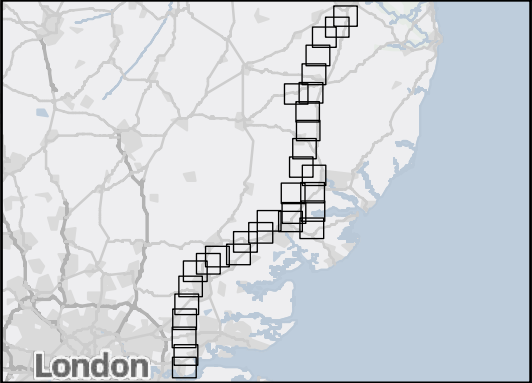
Arctic skua (AC)

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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT: **Norwich to Tilbury**

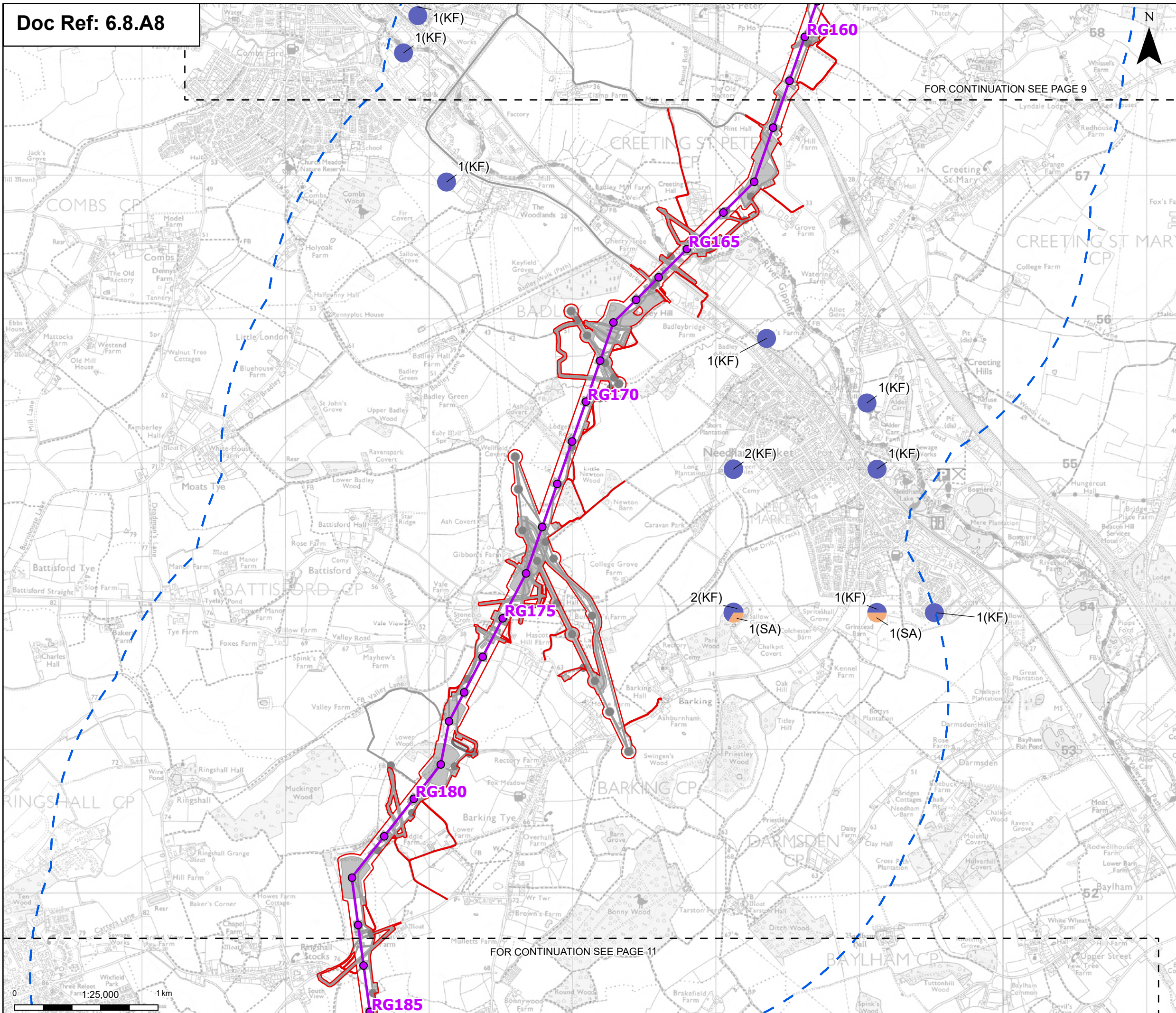
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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-00324	Revision: A
---	-----------------------



Order limits

Sheet index outline

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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

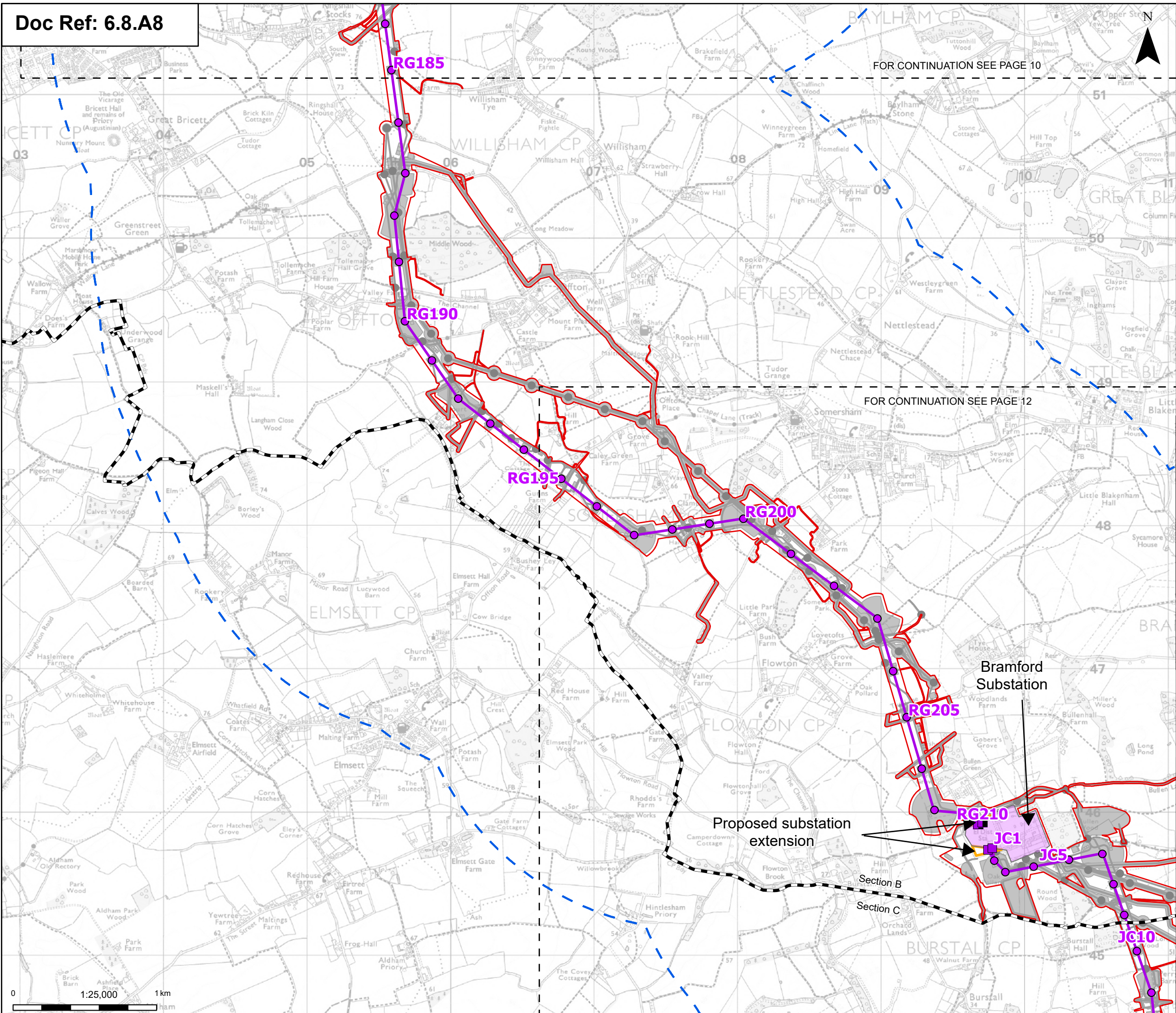
Title:

Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 10 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			
Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00324			Revision: A

Print Date: 08-15-25 12:43:55

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed full line tension gantry

Proposed low duty gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Bramford Substation

Bramford Substation Extension

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk target species - 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

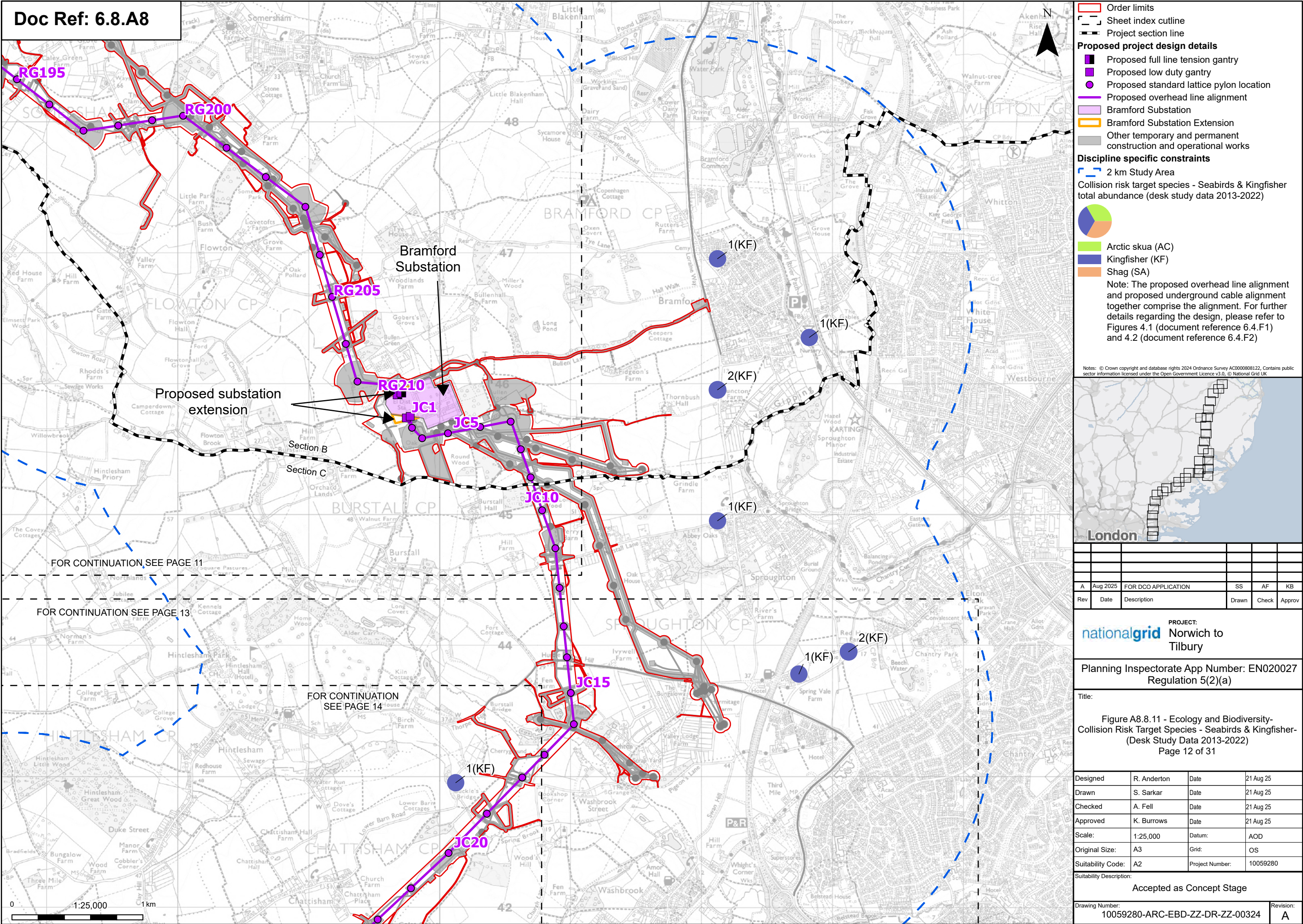
Title:

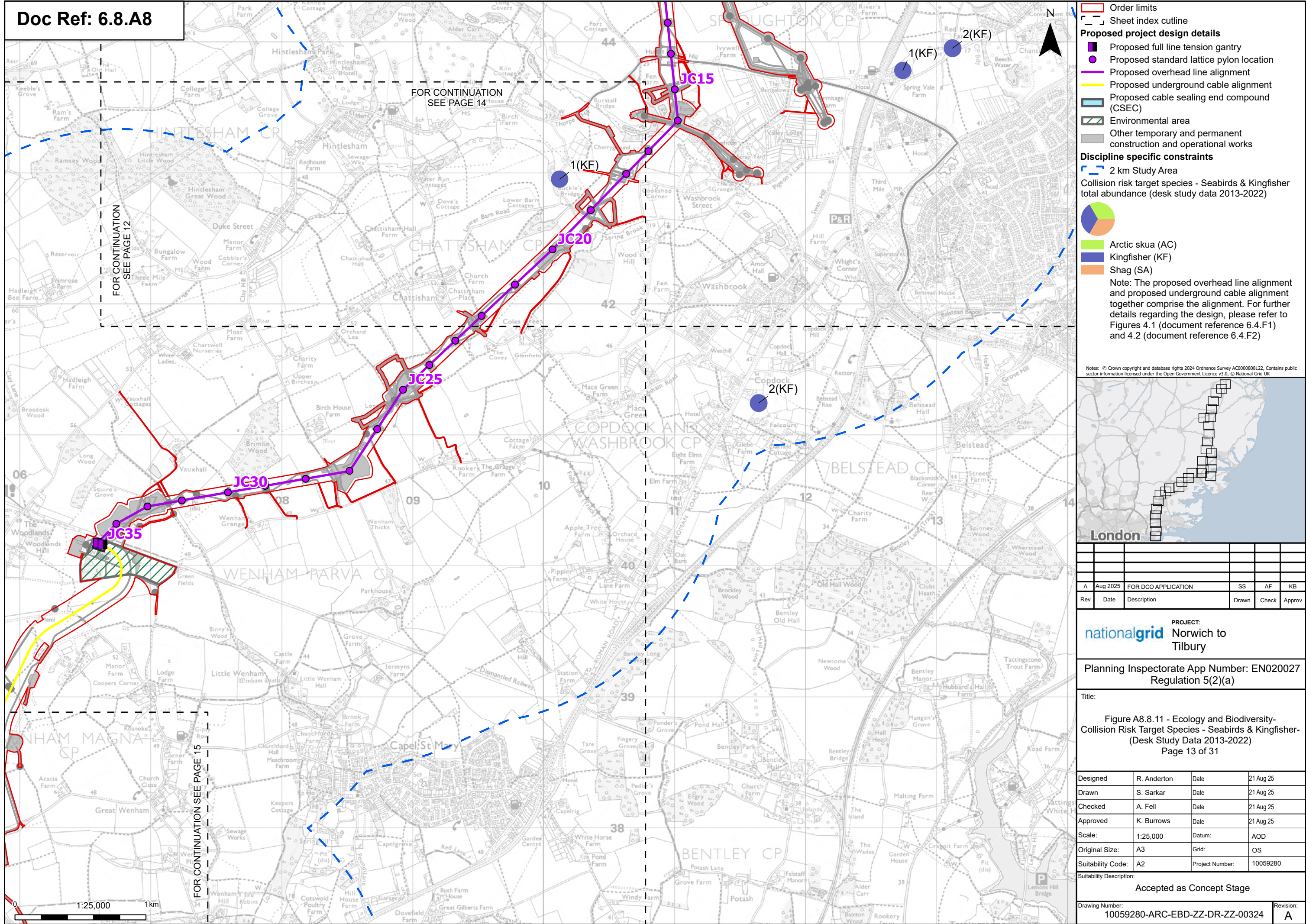
Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 11 of 31

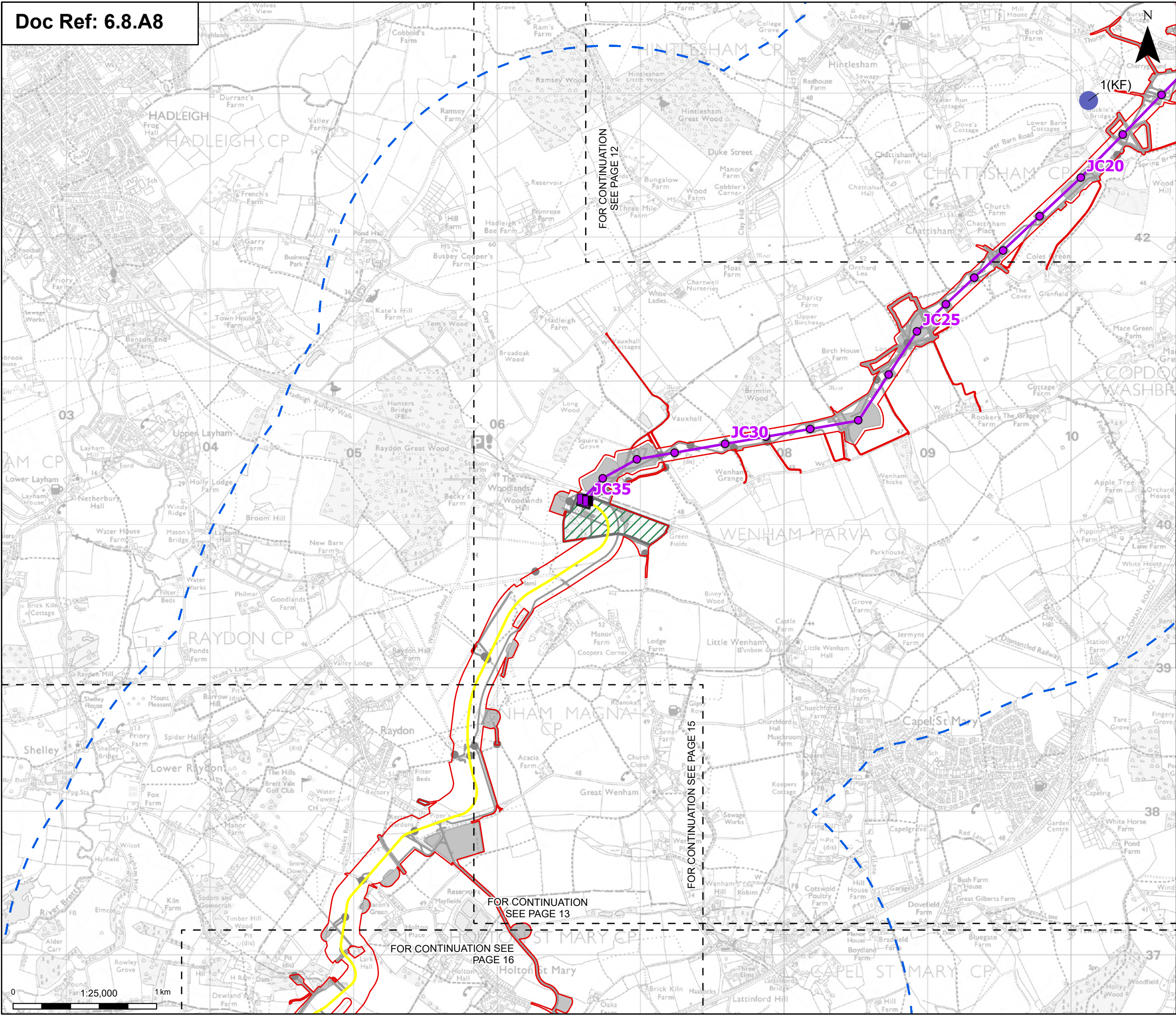
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:	Accepted as Concept Stage		
Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00324		
Revision:	A		

Print Date: 08-15-25 12:44:03

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC







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 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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 A8.8.11 - Ecology and Biodiversity-Collision Risk Target Species - Seabirds & Kingfisher- (Desk Study Data 2013-2022) Page 14 of 31

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

Suitability Description:

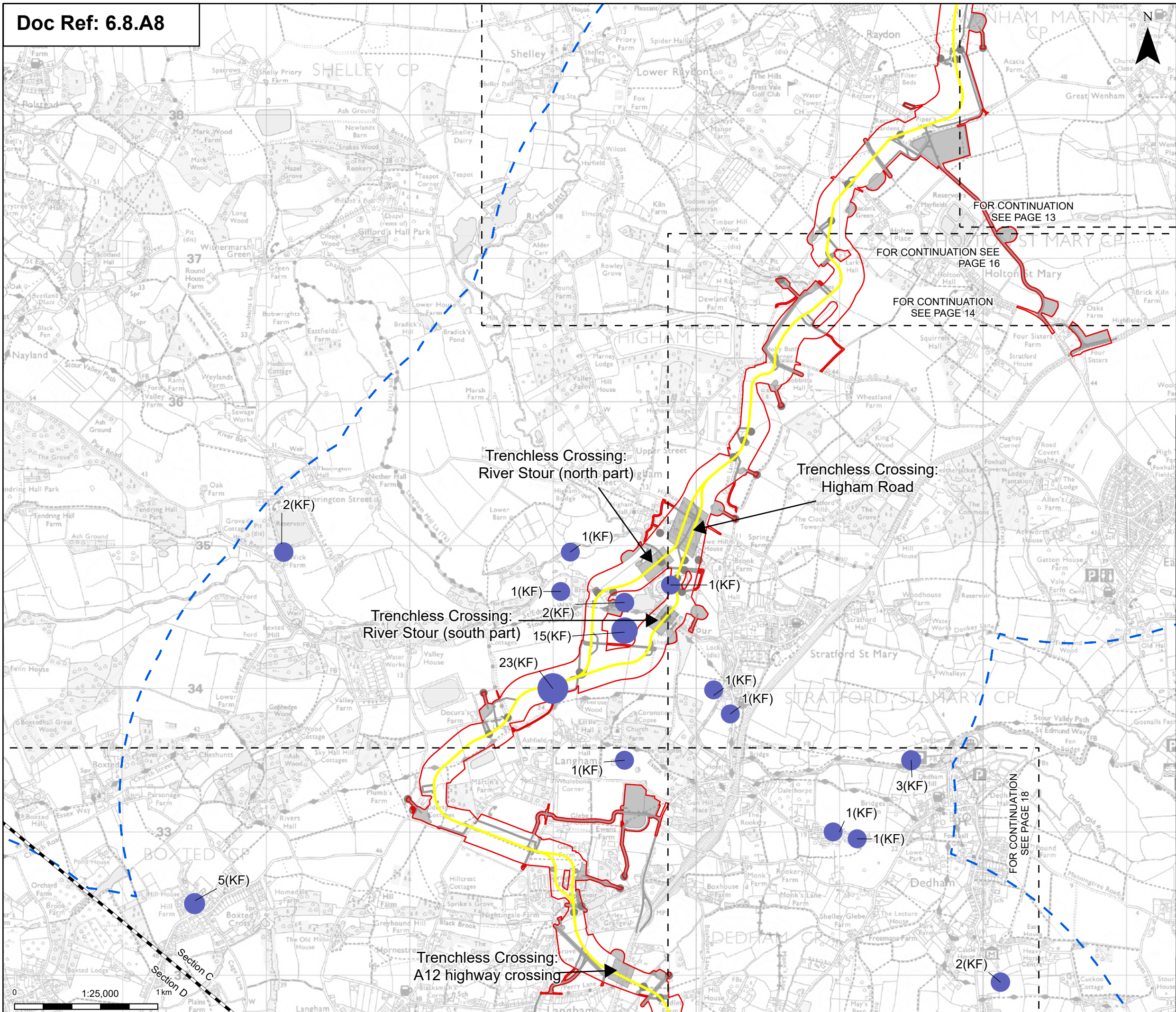
Accepted as Concept Stage

Drawing Number:

10059280-ARC-EBD-ZZ-DR-ZZ-00324

Revision:

A



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 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

Page 15 of 31

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

Suitability Description:

Accepted as Concept Stage

Drawing Number:

10059280-ARC-EBD-ZZ-DR-ZZ-00324

Revision:

A

Print Date:

08-15-25 12:44:40

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC

FOR CONTINUATION
SEE PAGE 14

Trenchless Crossing: Higham Road

KF)

1(KF)

1(KF)

3(KF)

1(KF)

—1(KF)

FOR CONTINUATION
SEE PAGE 18

KF)

FOR CONTINUATION SEE PAGE-15

FOR CONTINUATION
SEE PAGE 17

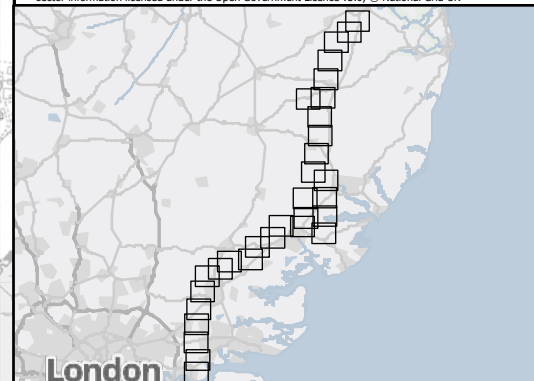
 $2(KF)$

-  Order limits
-  Sheet index cutline
- Proposed project design details**
 -  Proposed standard lattice pylon location
 -  Proposed underground cable alignment
 -  Other temporary and permanent construction and operational works
- Discipline specific constraints**
 -  2 km Study Area
 - Collision risk target species - 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0. © National Grid UK



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

nationalgrid PROJECT: Norwich to Tilbury

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

Title:

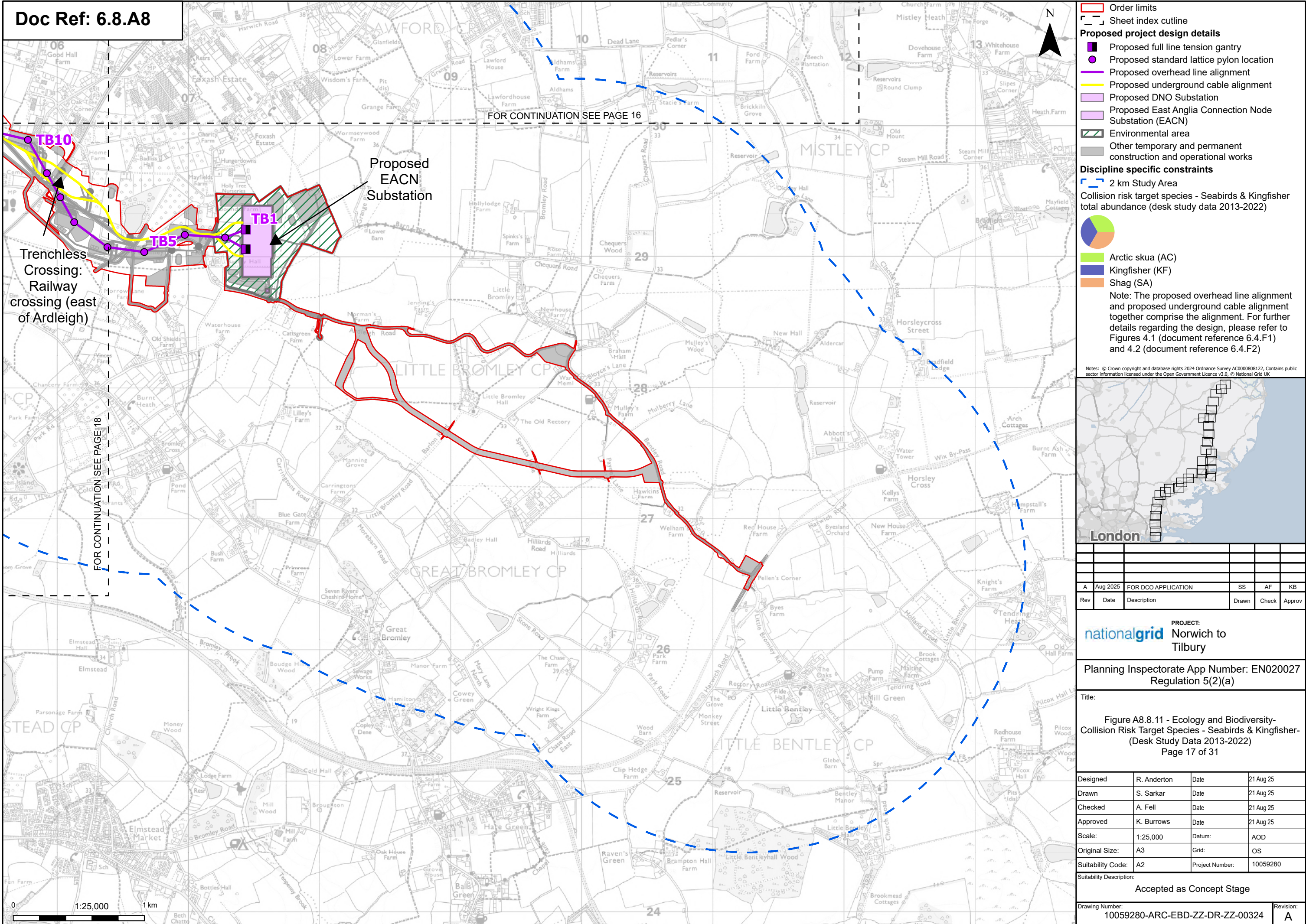
Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)

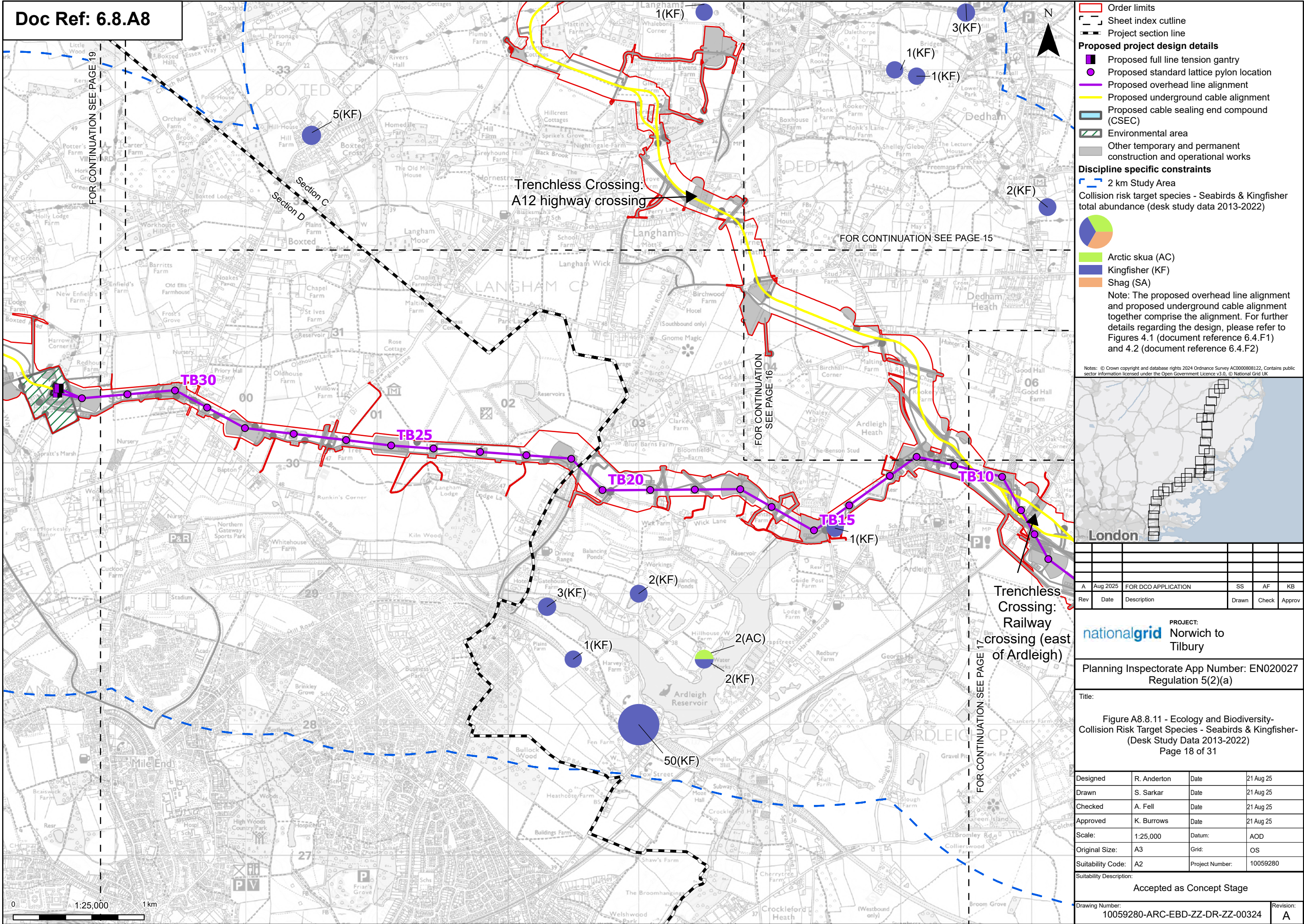
Page 16 of 31

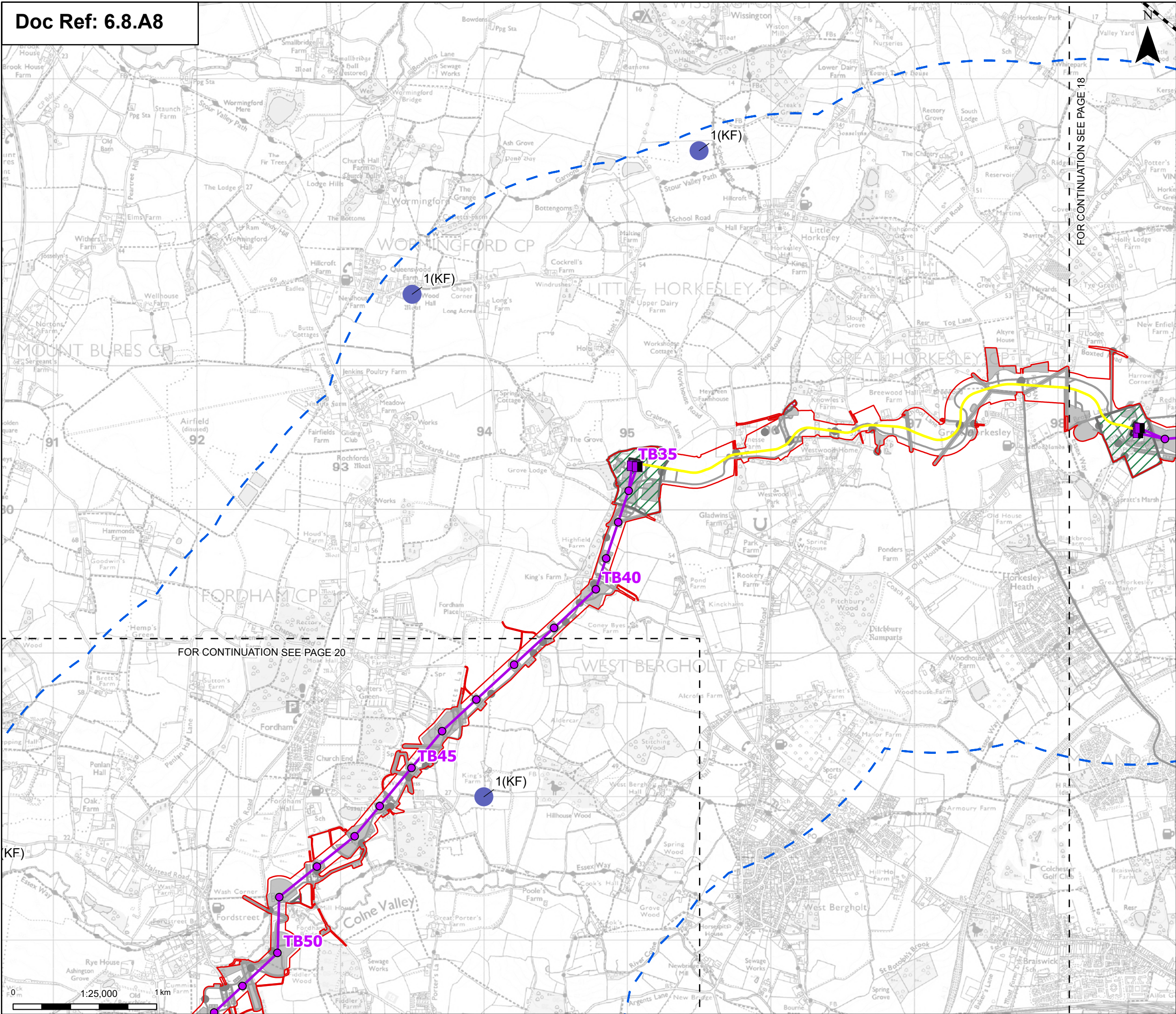
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

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







Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0. © National Grid UK

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

Page 19 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-00324

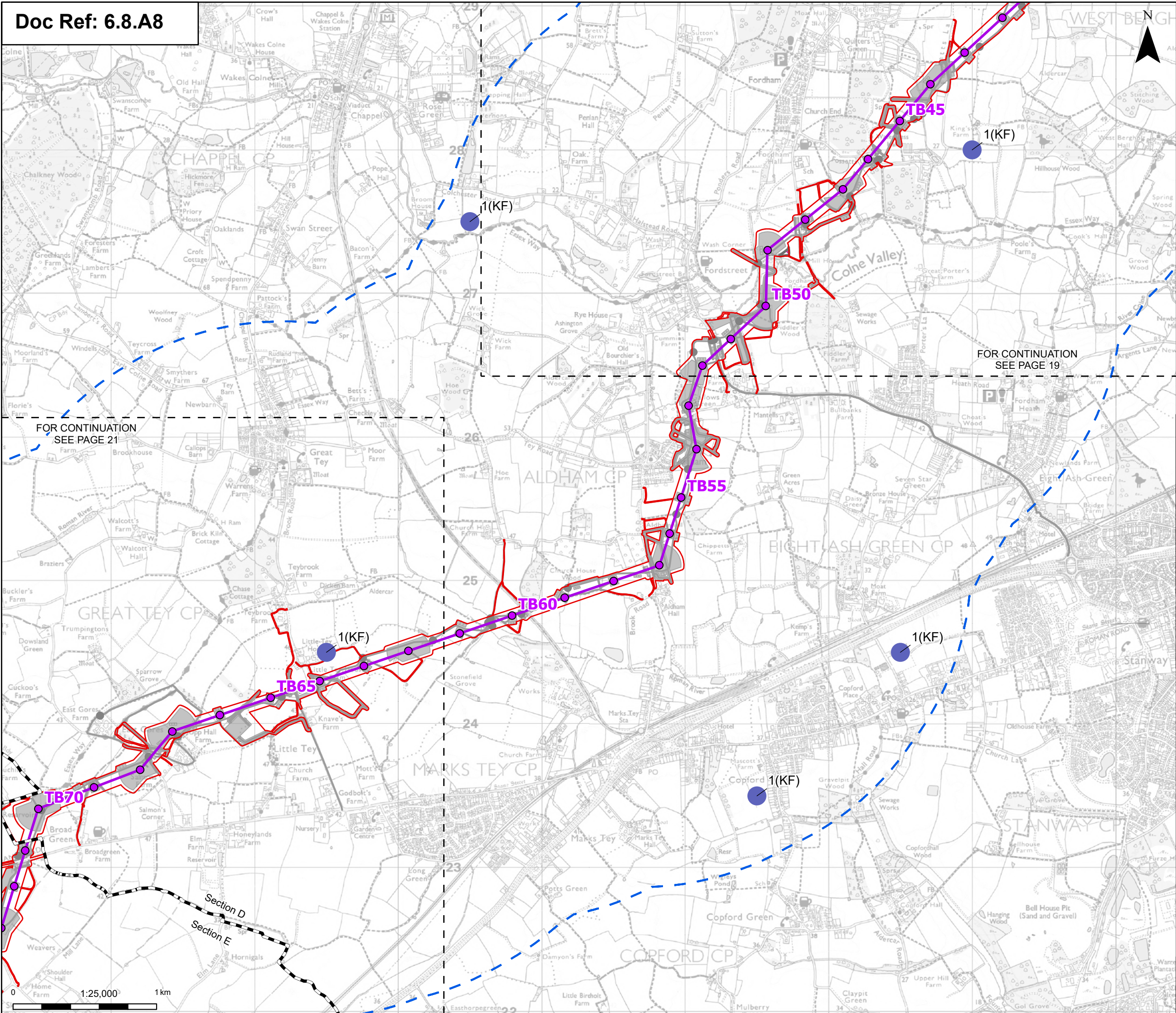
Revision:

A

Print Date:

08-15-25 12:45:14

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

- Sheet index outline
- Project section line

Proposed project design details

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

Discipline specific constraints

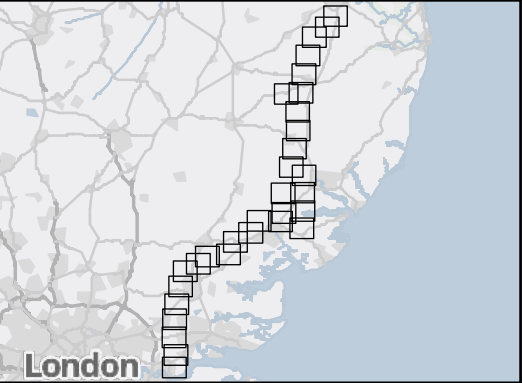
- 2 km Study Area

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

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

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

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to
Tilbury

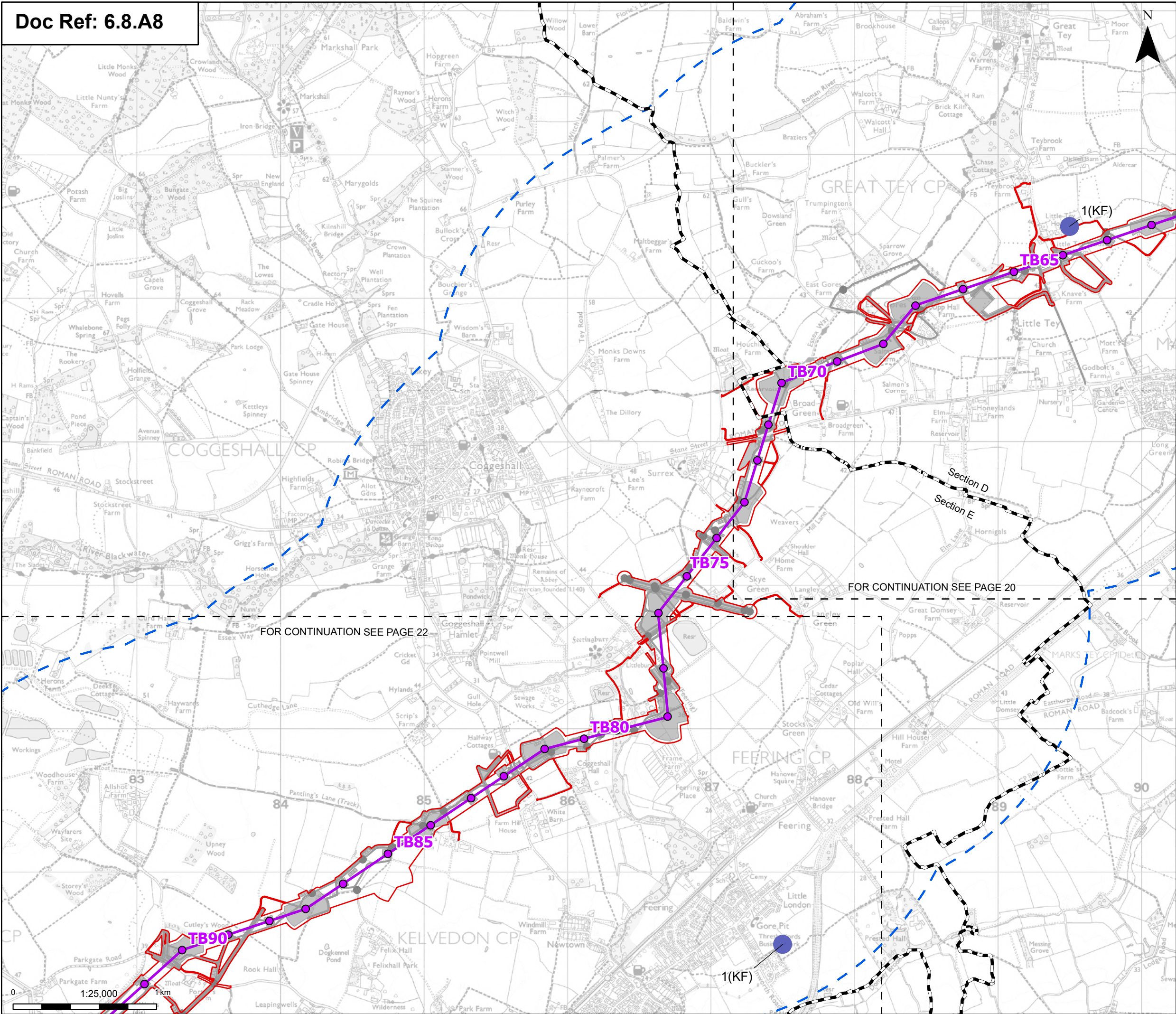
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 20 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

Accepted as Concept Stage

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



Order limits

Sheet index outline

Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

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

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

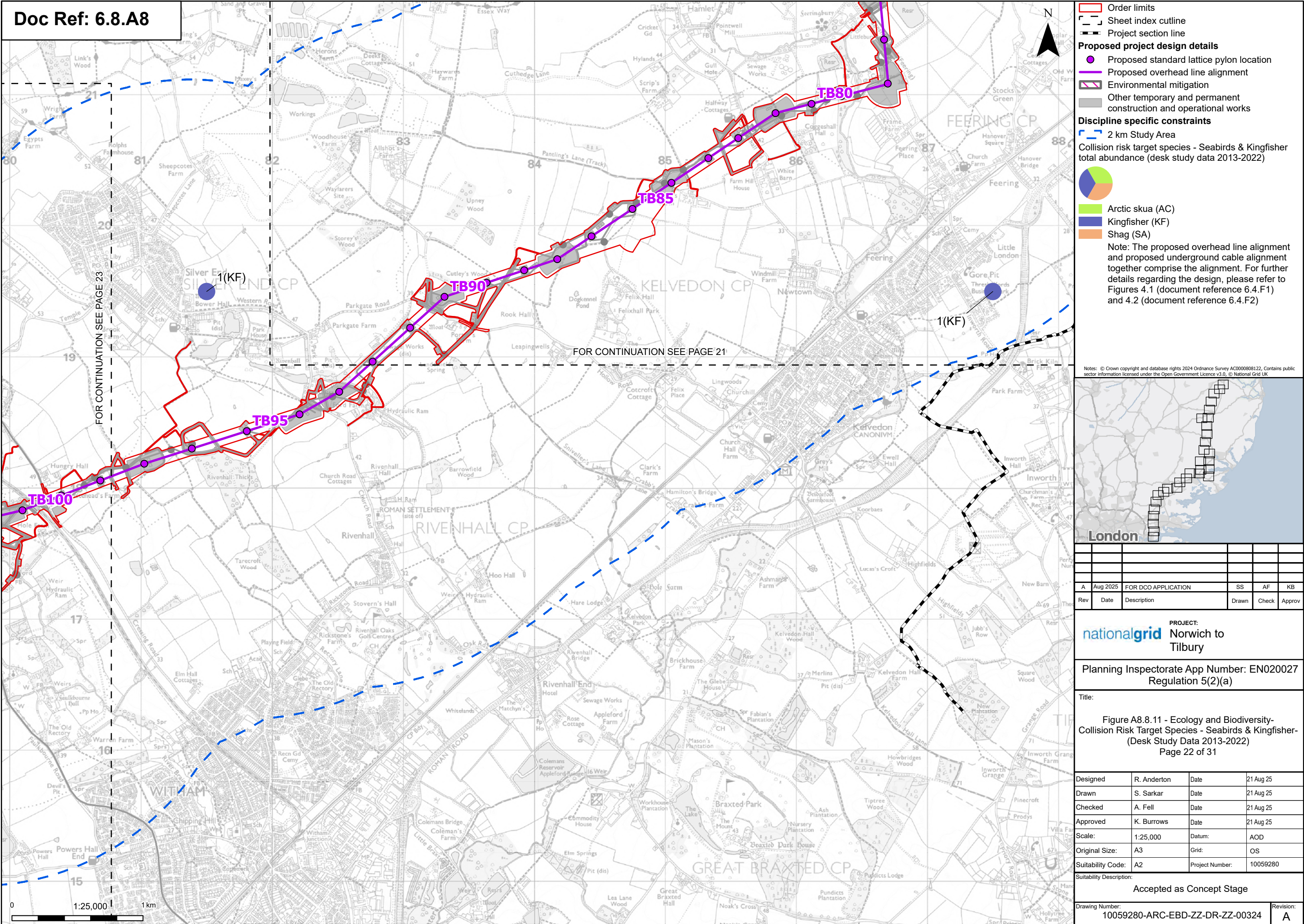
Accepted as Concept Stage

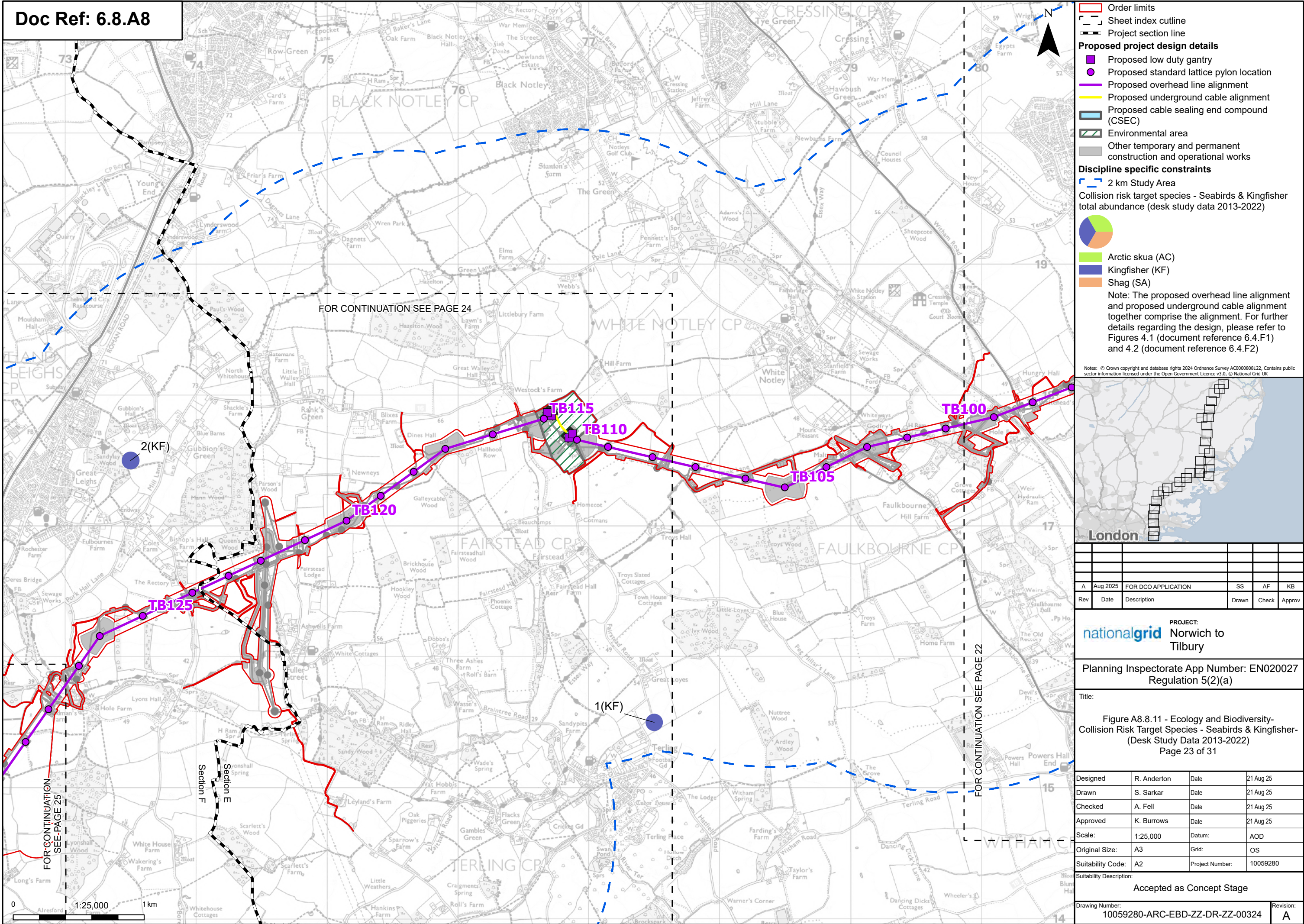
Drawing Number:

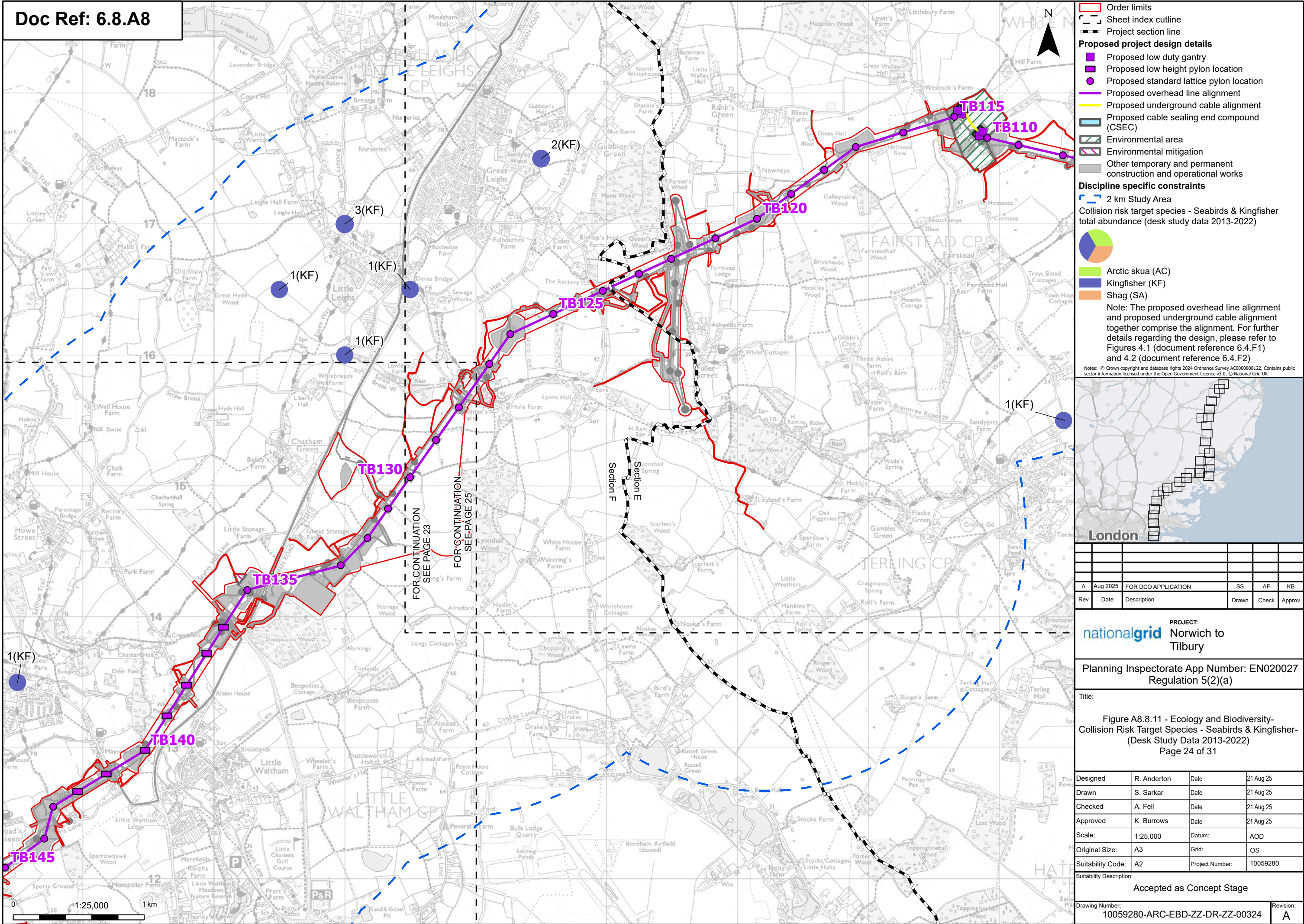
10059280-ARC-EBD-ZZ-DR-ZZ-00324

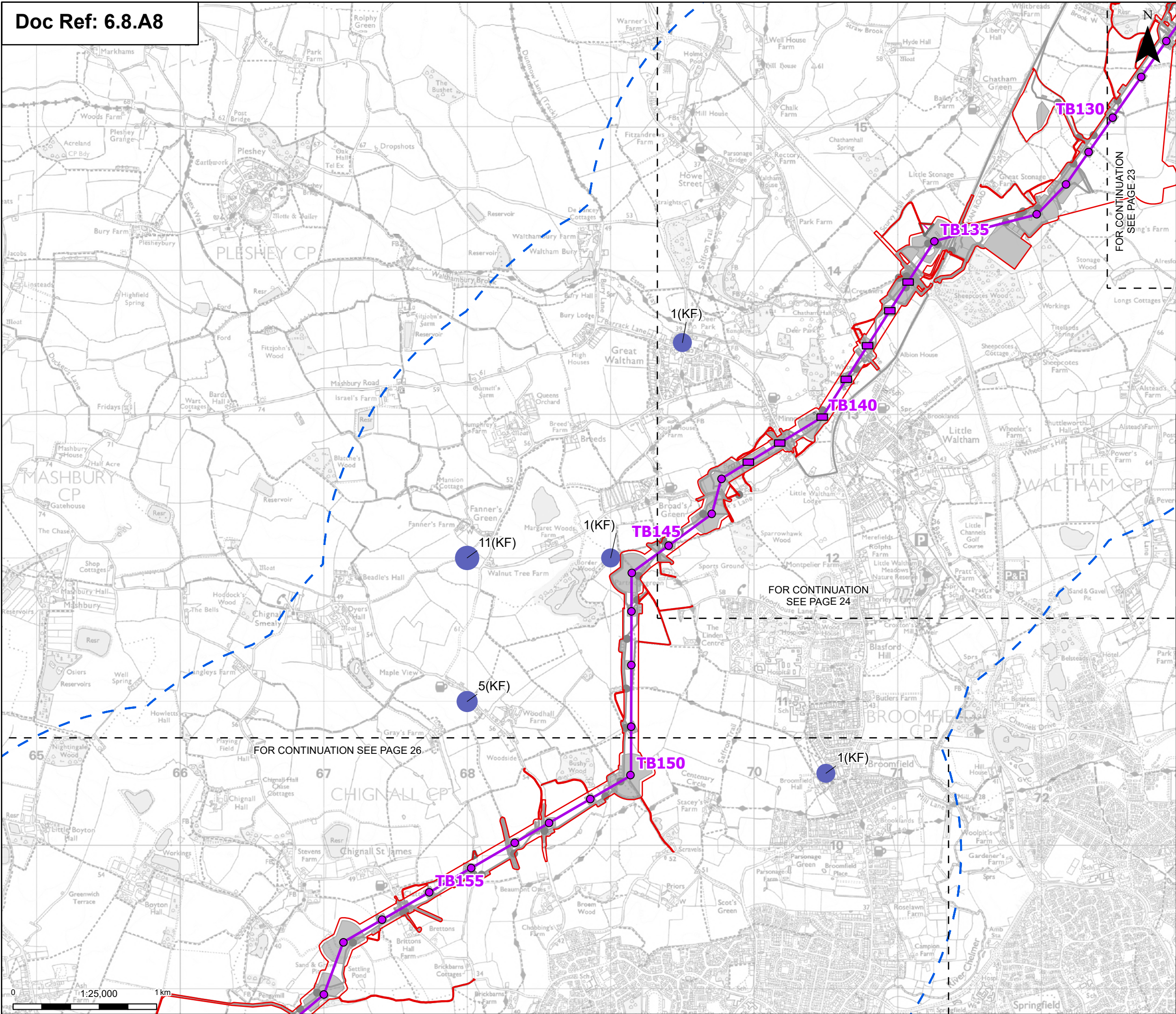
Revision:

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 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

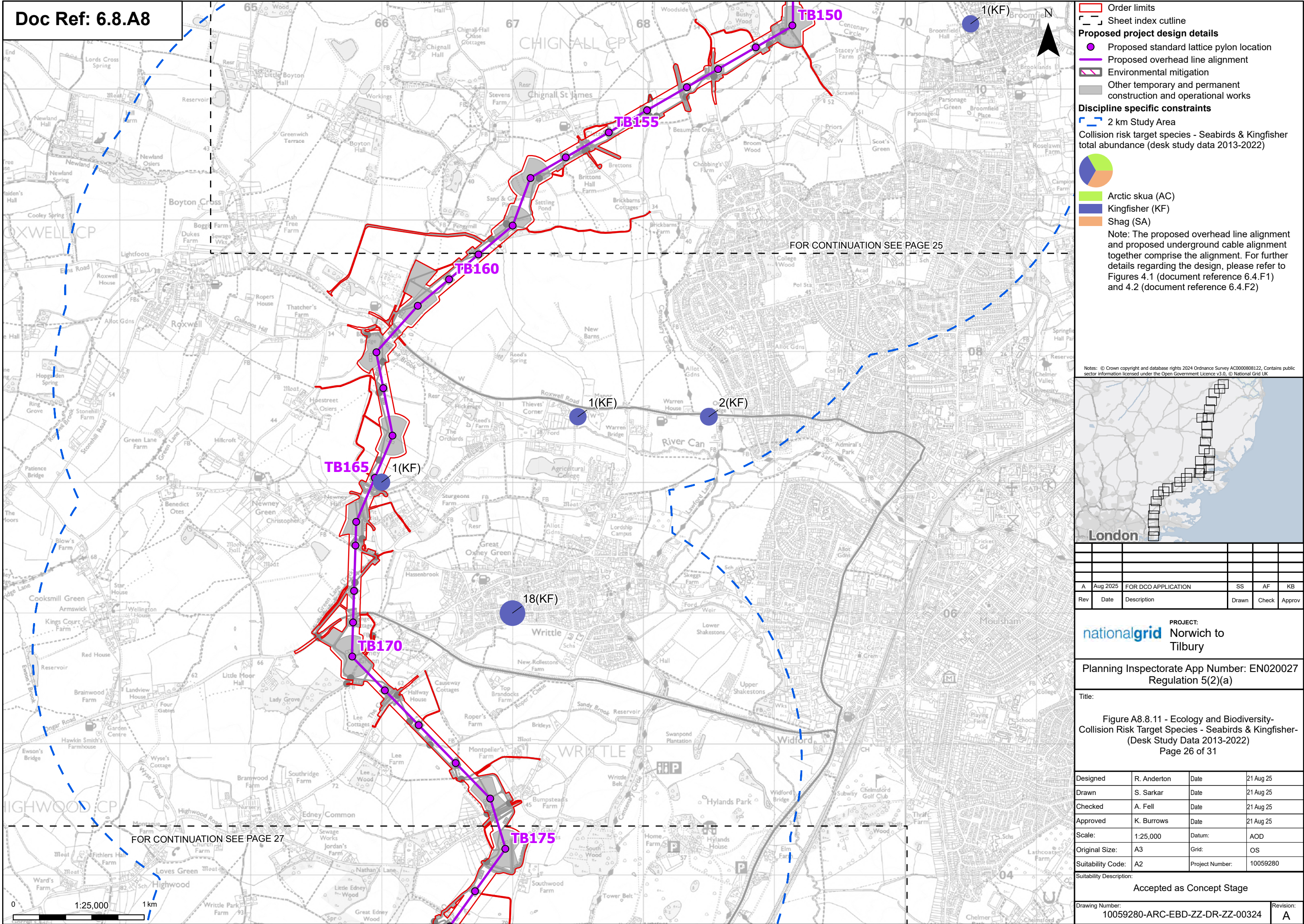
Drawing Number:

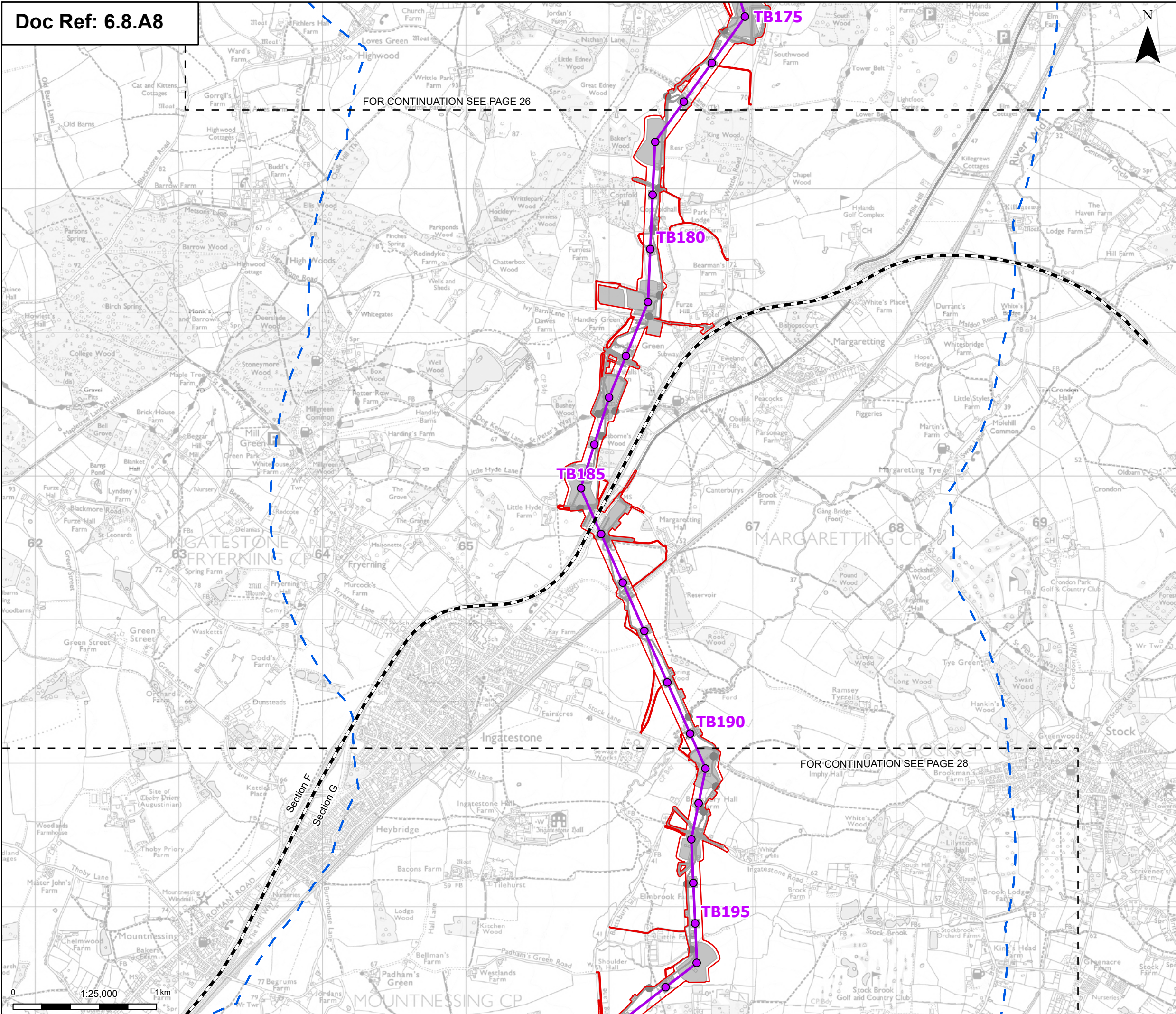
10059280-ARC-EBD-ZZ-DR-ZZ-00324

Revision:

A

Print Date: 08-15-25 12:45:57 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

Page 27 of 31

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

Suitability Description:

Accepted as Concept Stage

Drawing Number:

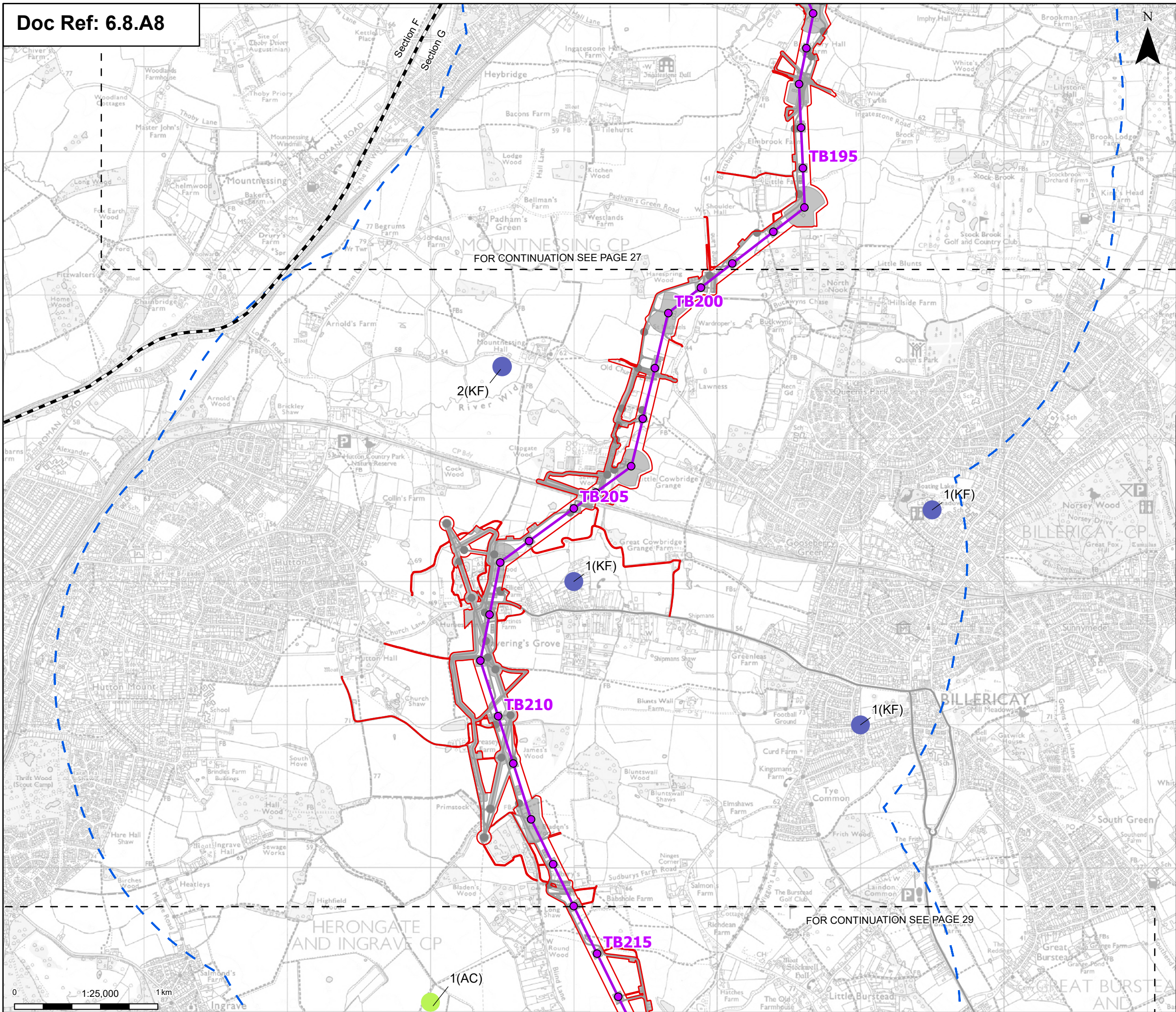
10059280-ARC-EBD-ZZ-DR-ZZ-00324

Revision:

A

Print Date:08-15-25 12:46:15

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Arctic skua (AC)

Kingfisher (KF)

Shag (SA)

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

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC0000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:

Norwich to Tilbury

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

Title:

Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 28 of 31

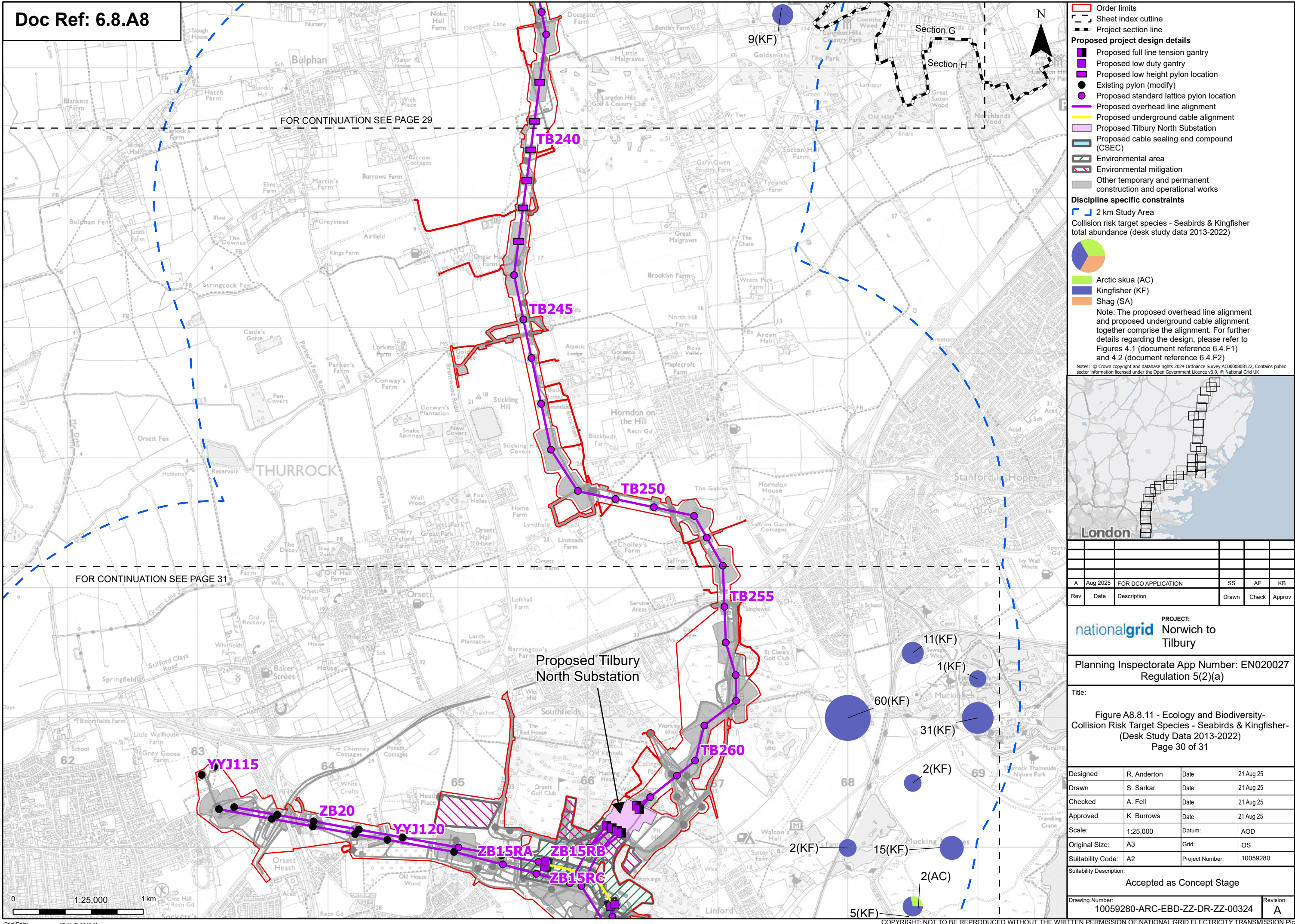
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

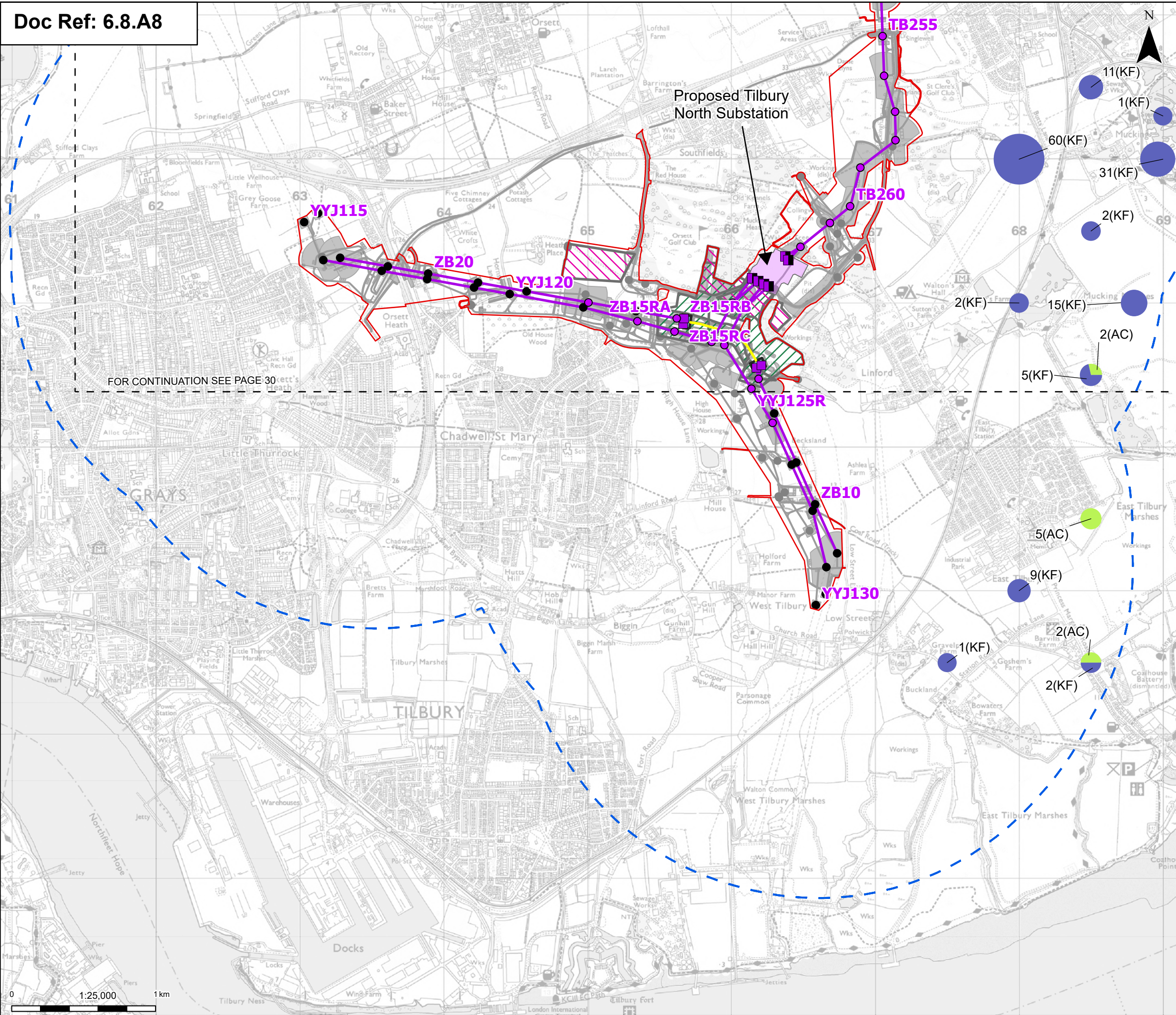
Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:46:23

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





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 - 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)

Notes: © Crown copyright and database rights 2024 Ordnance Survey AC000808122. Contains public sector information licensed under the Open Government Licence v3.0. © National Grid UK

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)

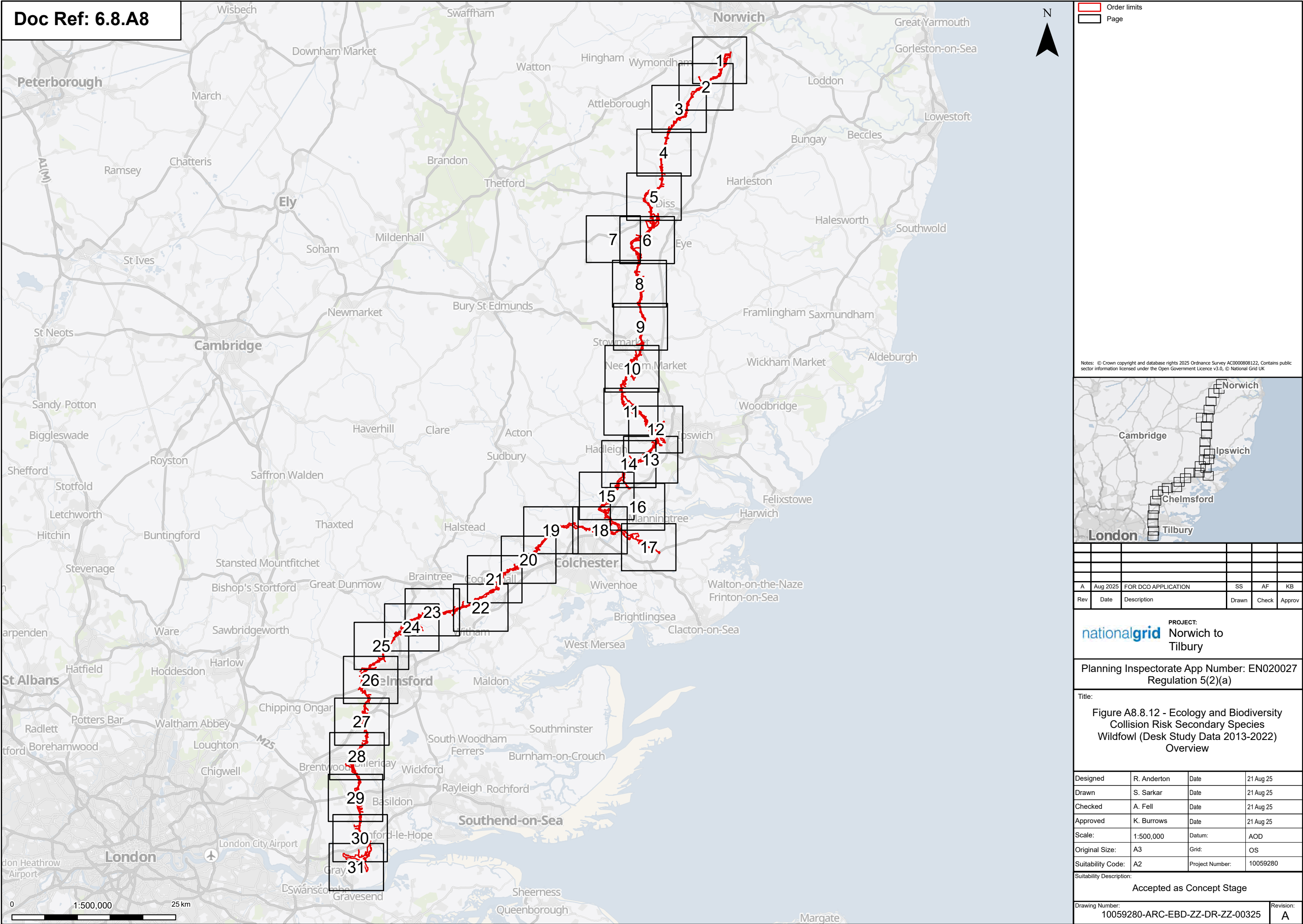
Title:

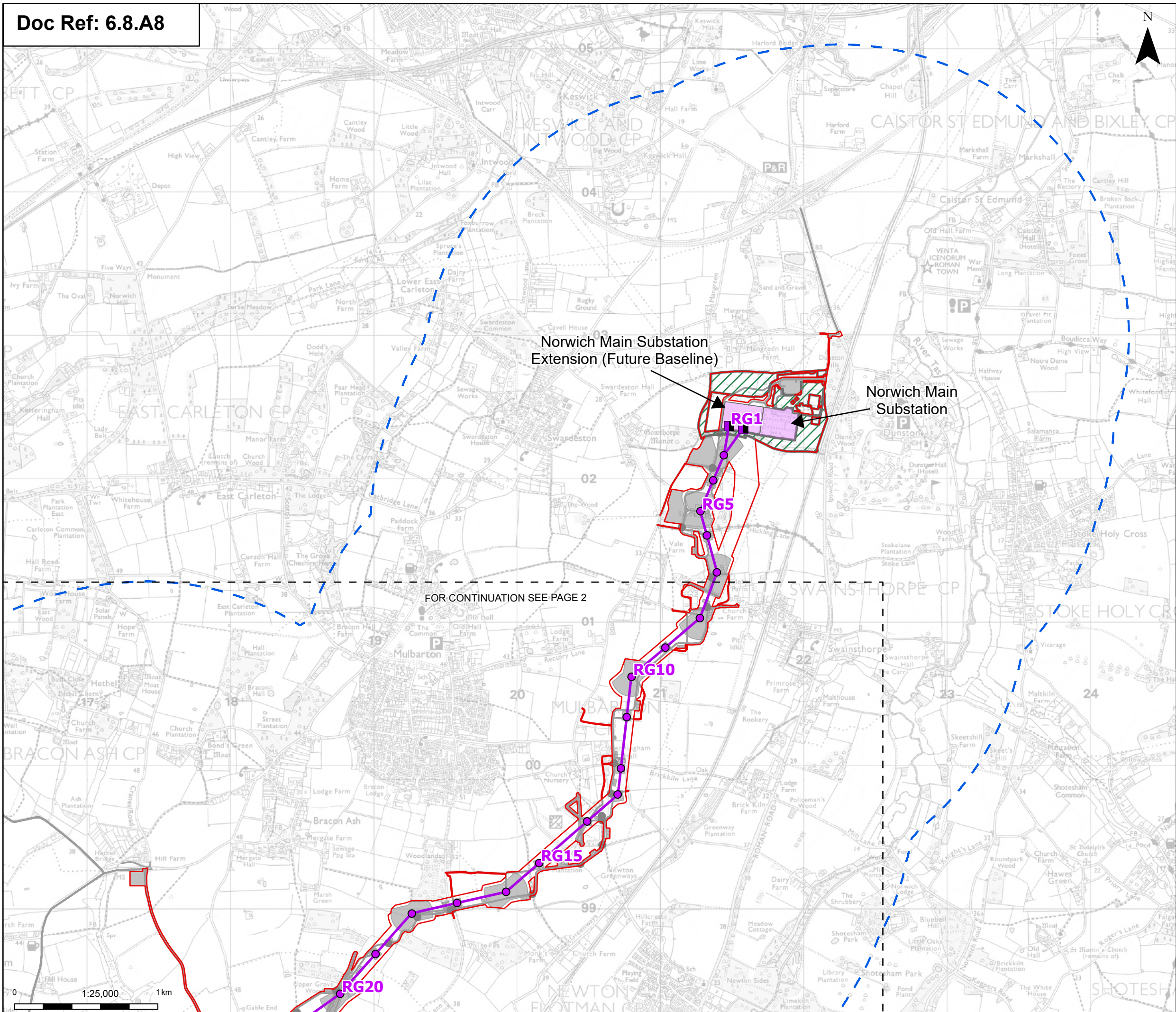
Figure A8.8.11 - Ecology and Biodiversity-
Collision Risk Target Species - Seabirds & Kingfisher-
(Desk Study Data 2013-2022)
Page 31 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			
Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00324			Revision: A

Print Date: 08-15-25 12:46:49

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





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 - 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000806122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

nationalgrid

PROJECT:
Norwich to
Tilbury

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

Title:

Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 1 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

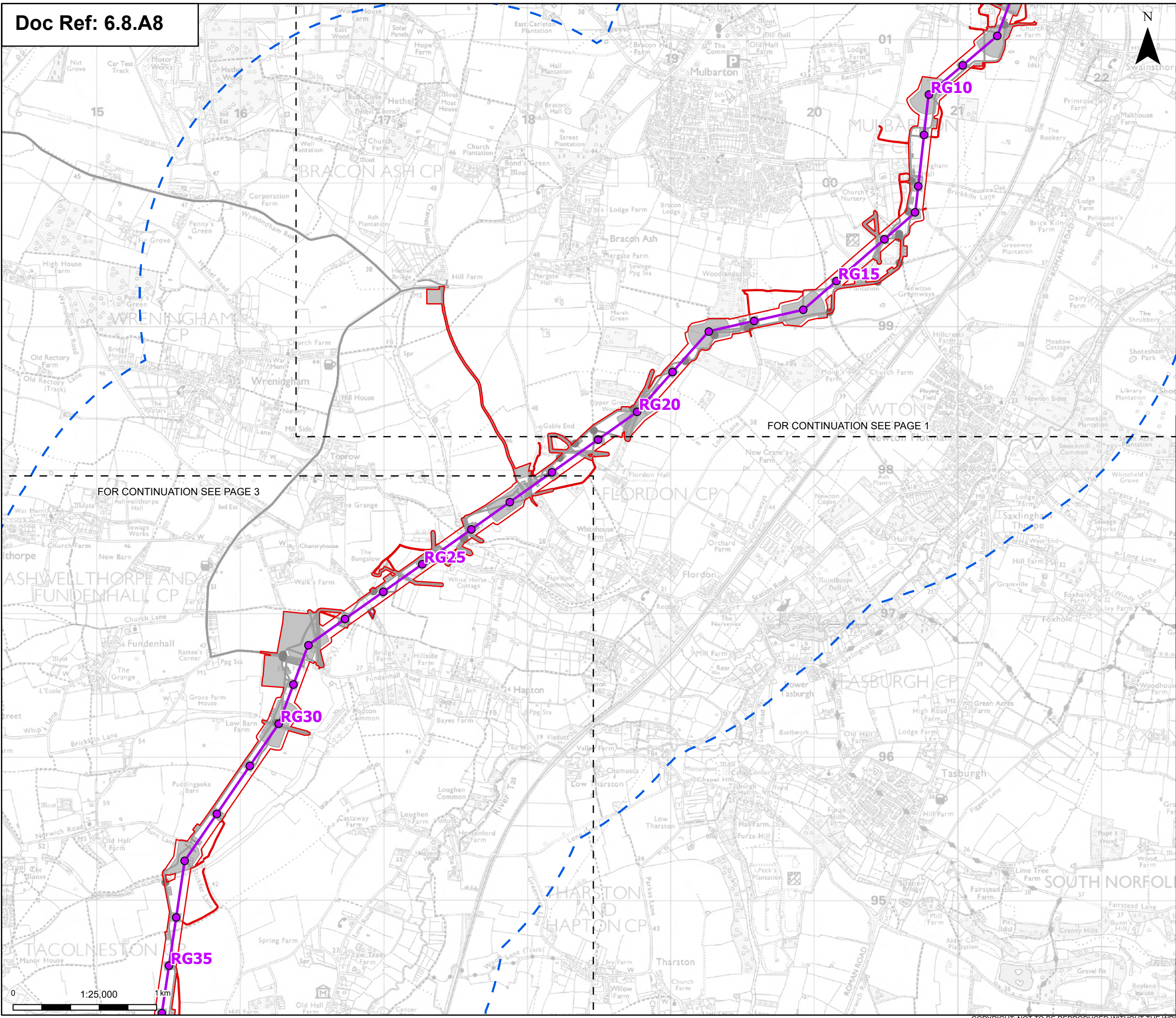
Suitability Description:

Accepted as Concept Stage

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

Revision:
A

Print Date: 08-15-25 12:43:47 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000806122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

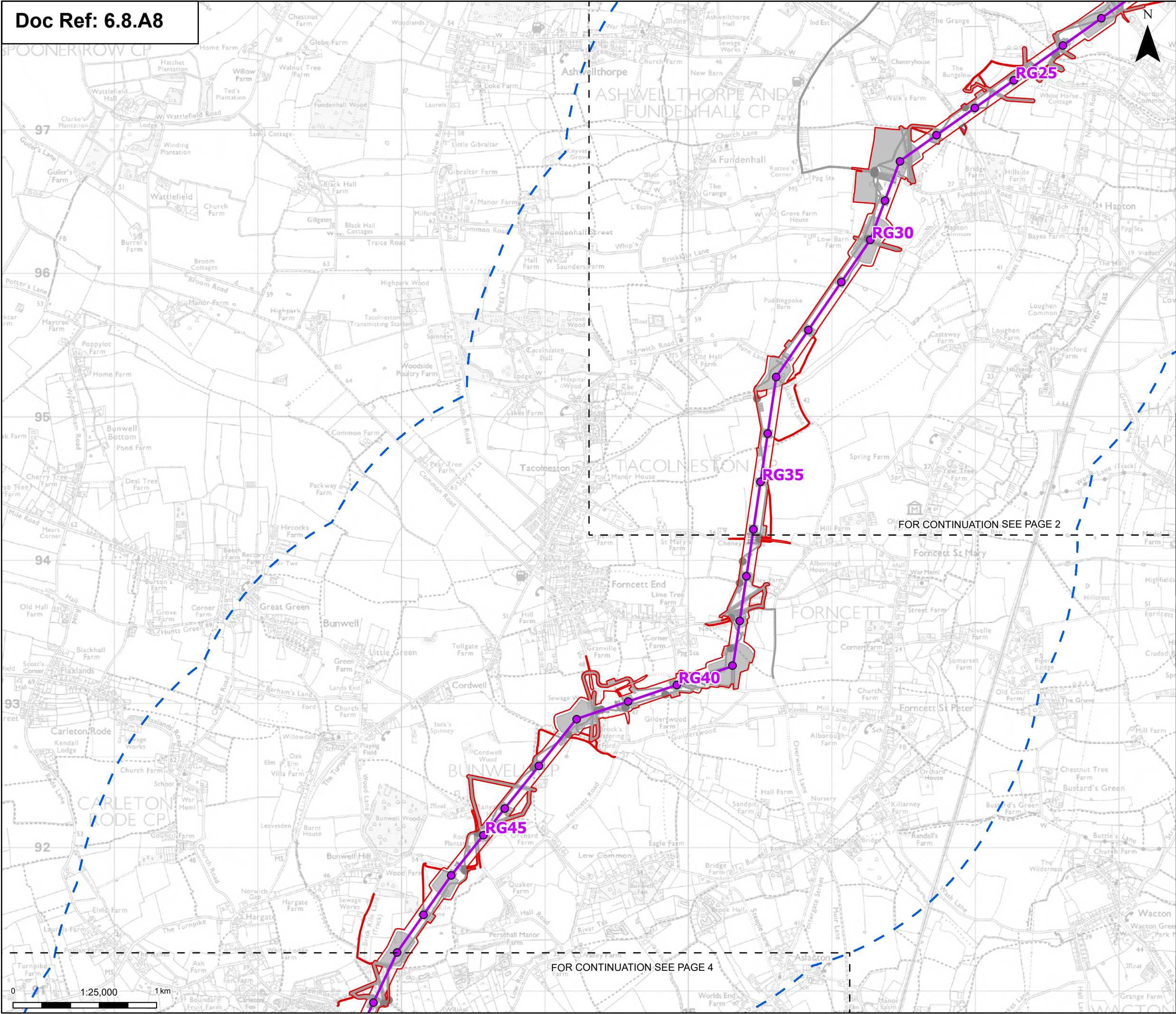
Title:

Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (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:			
Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00325			Revision: A

Print Date: 08-15-25 12:43:57

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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 A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 3 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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
--	----------------

Print Date: 08-15-25 12:44:06 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC

FOR CONTINUATION SEE PAGE 3

FOR CONTINUATION SEE PAGE 5

Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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)

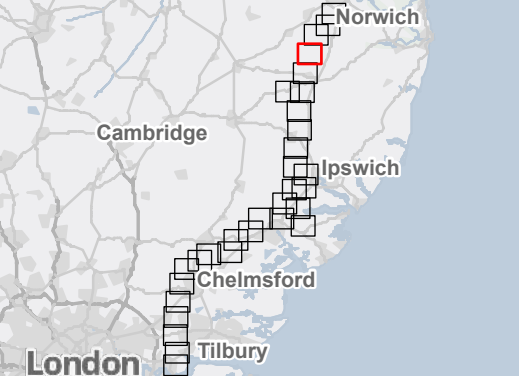
Teal (T)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000806122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT: Norwich to Tilbury

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

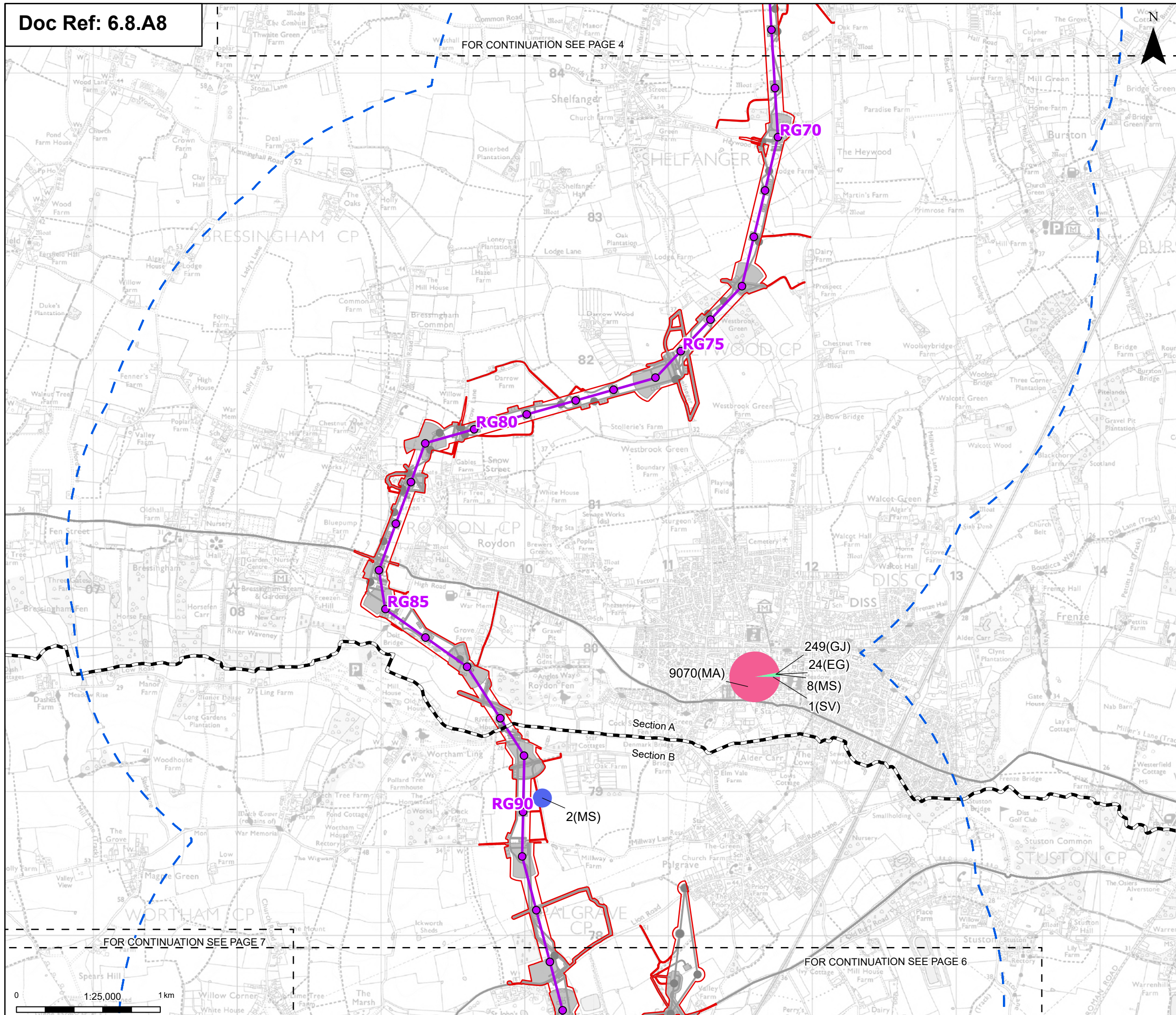
Title: Figure A8.8.12 - Ecology and Biodiversity Collision Risk Secondary Species Wildfowl (Desk Study Data 2013-2022) Page 4 of 31

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

Suitability Description: Accepted as Concept Stage

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

FOR CONTINUATION SEE PAGE 4



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

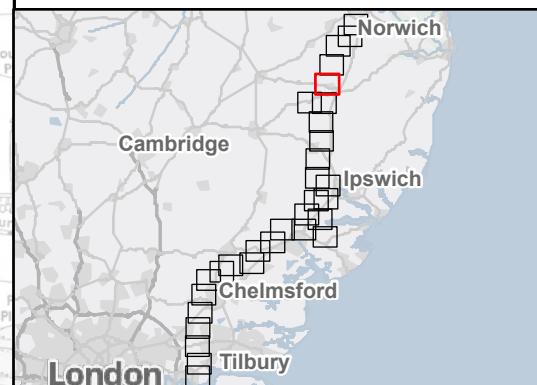
- 2 km Study Area

Collision risk secondary species - 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid PROJECT:
Norwich to
Tilbury

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

Title: Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 5 of 31

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

FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 8
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

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000806122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

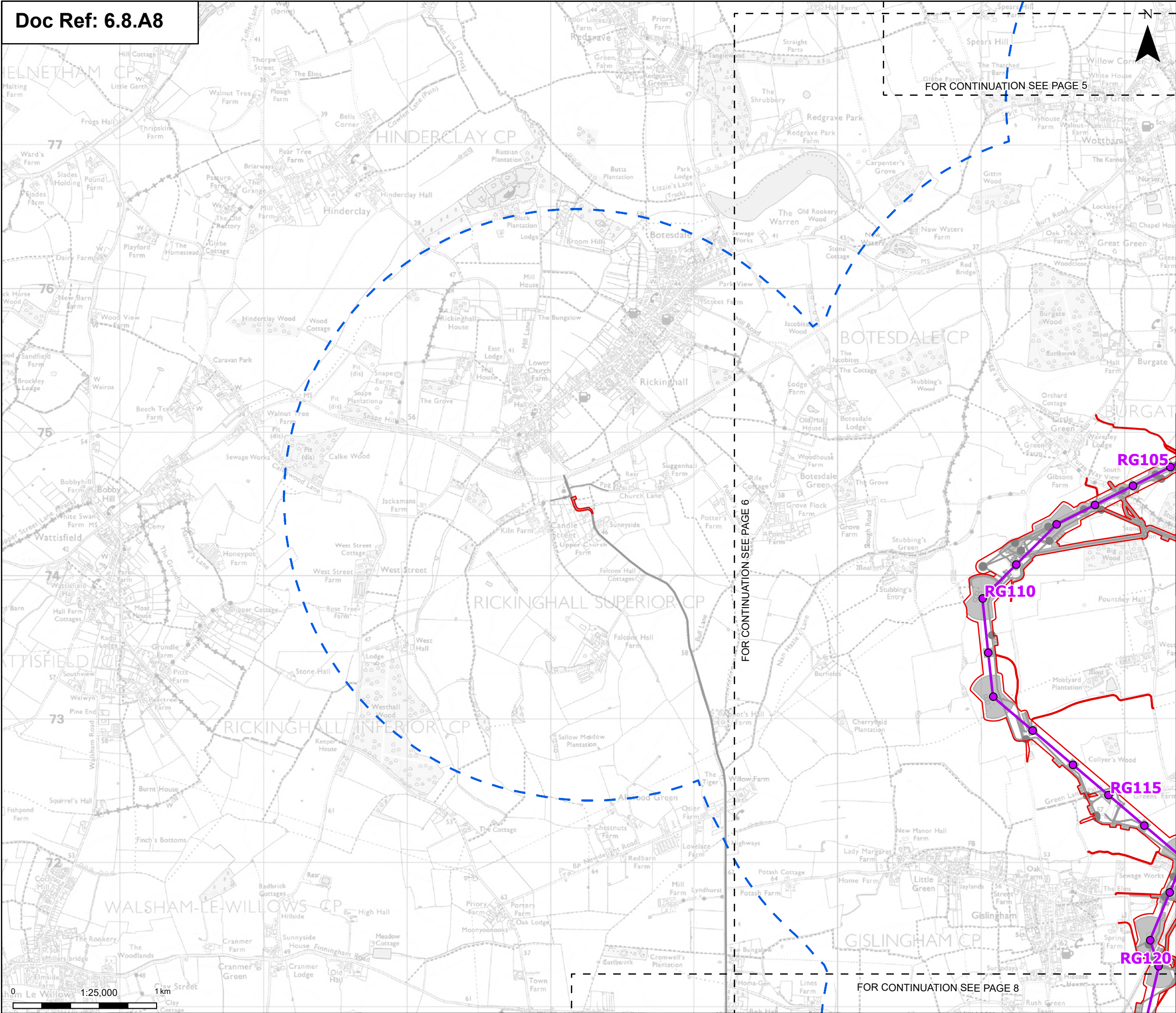
Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 6 of 31

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

Accepted as Concept Stage

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

Print Date: 08-15-25 12:44:30 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 8

- Order limits**

Sheet index cutline

Proposed project design details

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

Discipline specific constraints

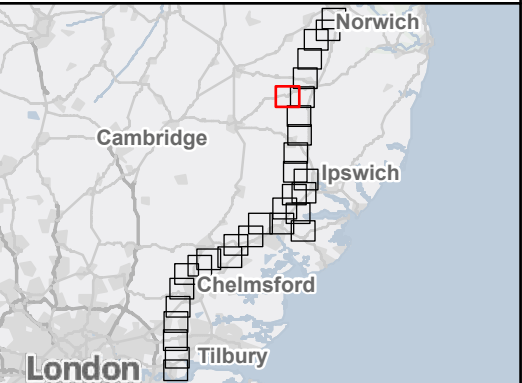
2 km Study Area

Collision risk 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid PROJECT:
Norwich to
Tilbury

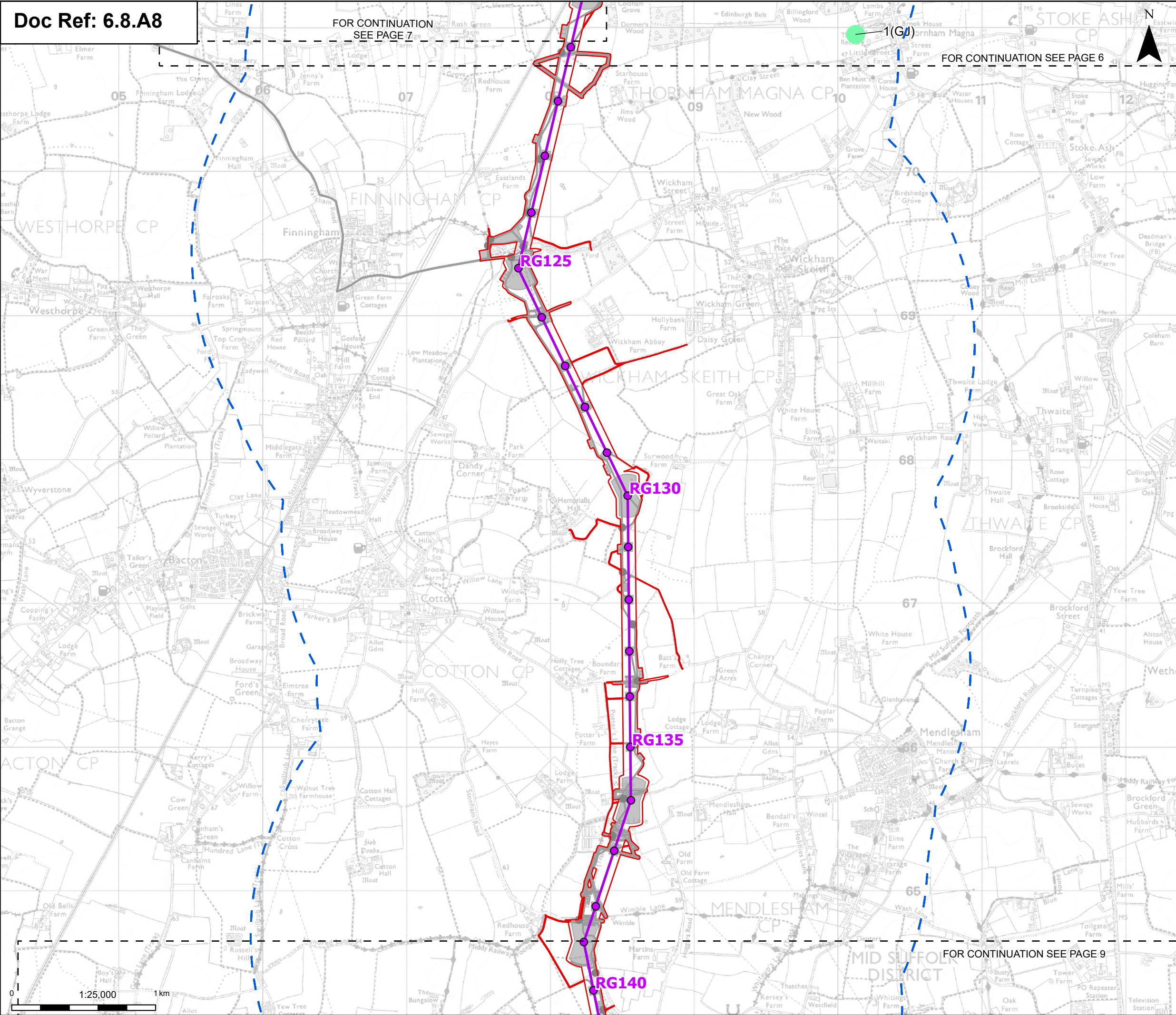
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

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



Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

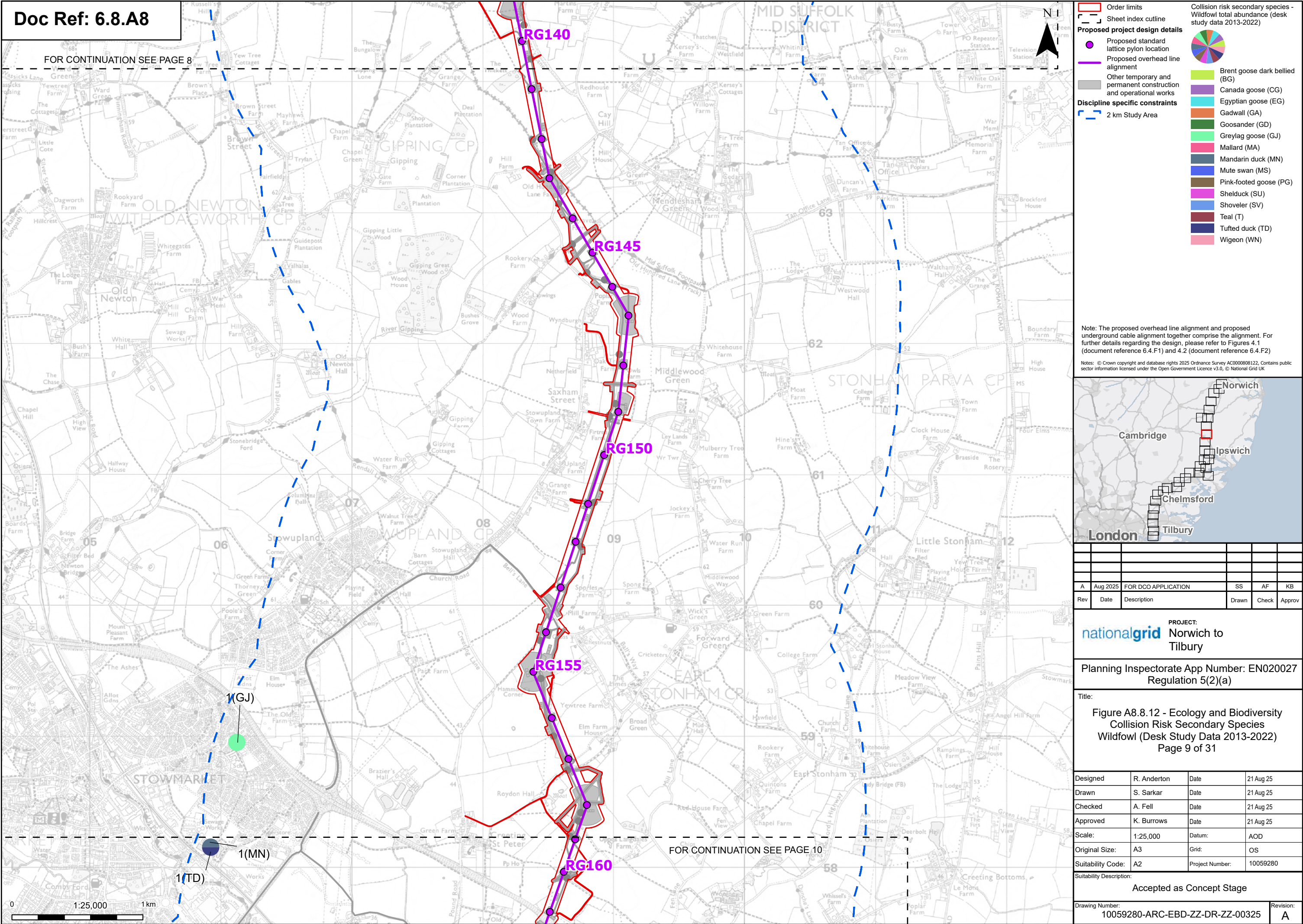
Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 8 of 31

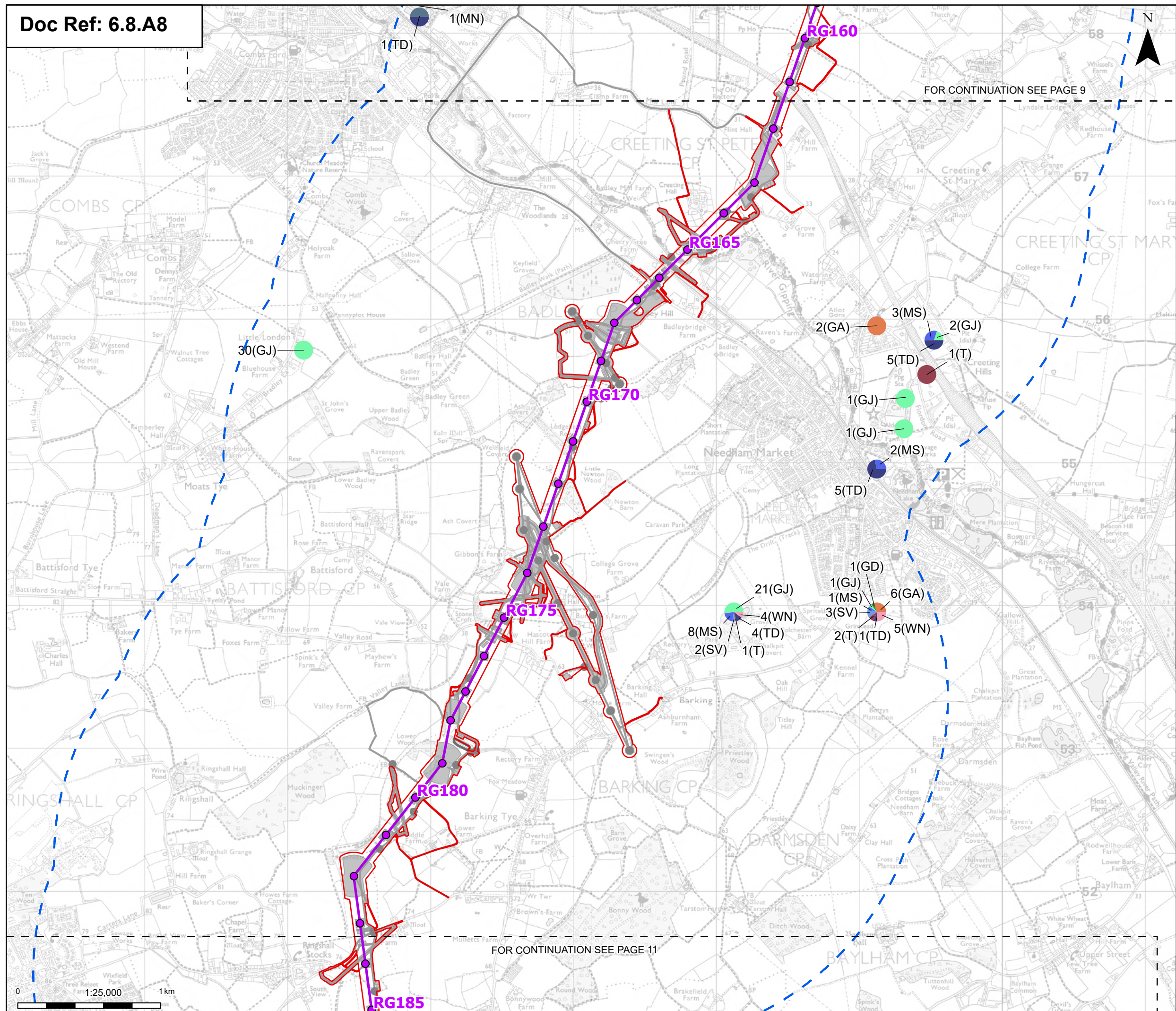
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

Accepted as Concept Stage

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

Print Date: 08-15-25 12:44:45 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





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

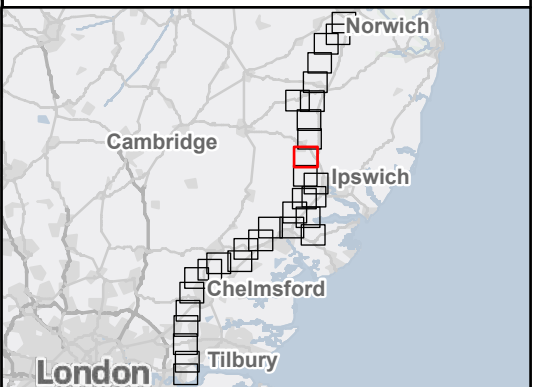
2 km Study Area

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid PROJECT:
Norwich to
Tilbury

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

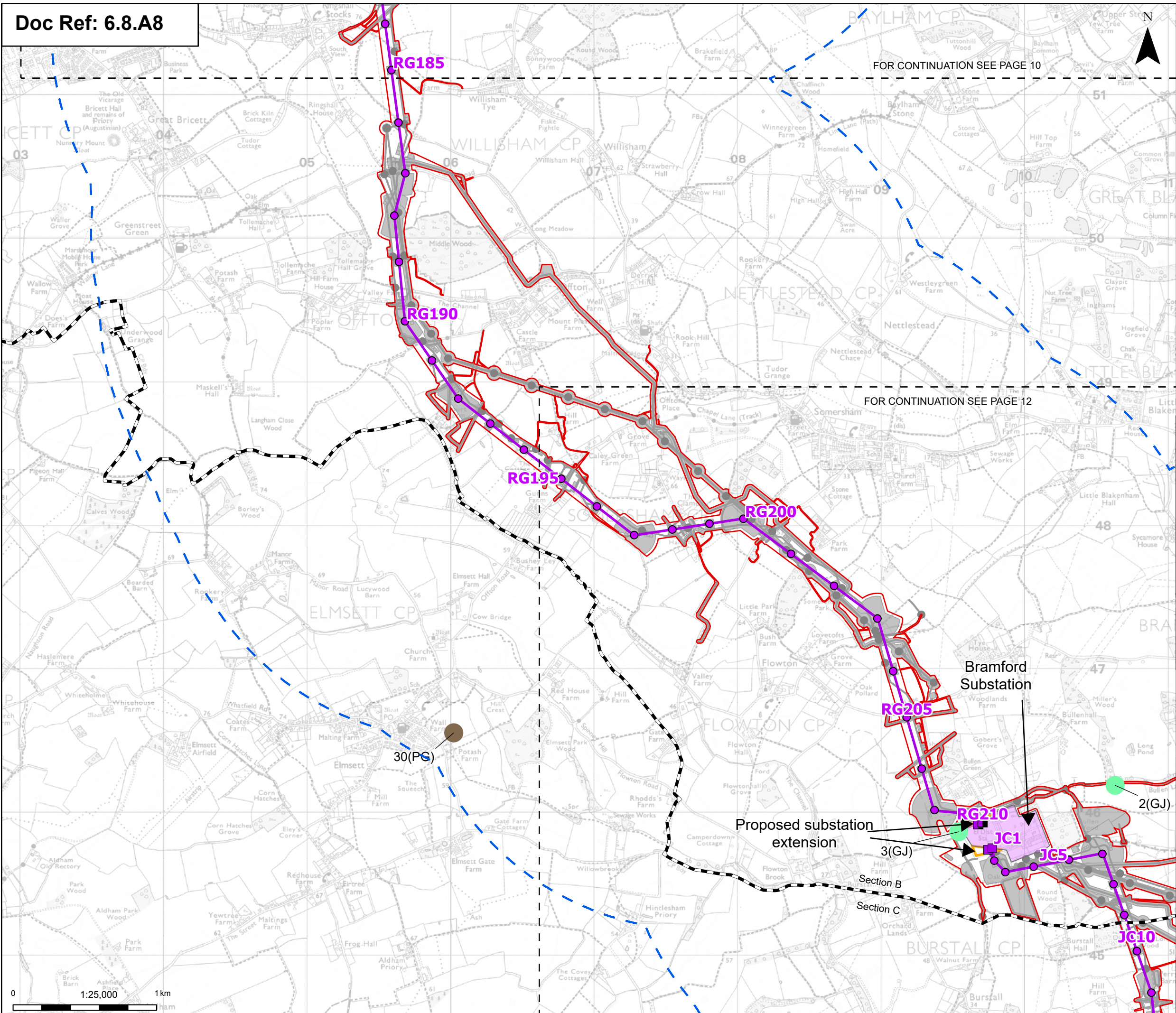
Title:

Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 10 of 31

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

Accepted as Concept Stage

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



Order limits

Sheet index outline

Project section line

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

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000806122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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 A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 11 of 31

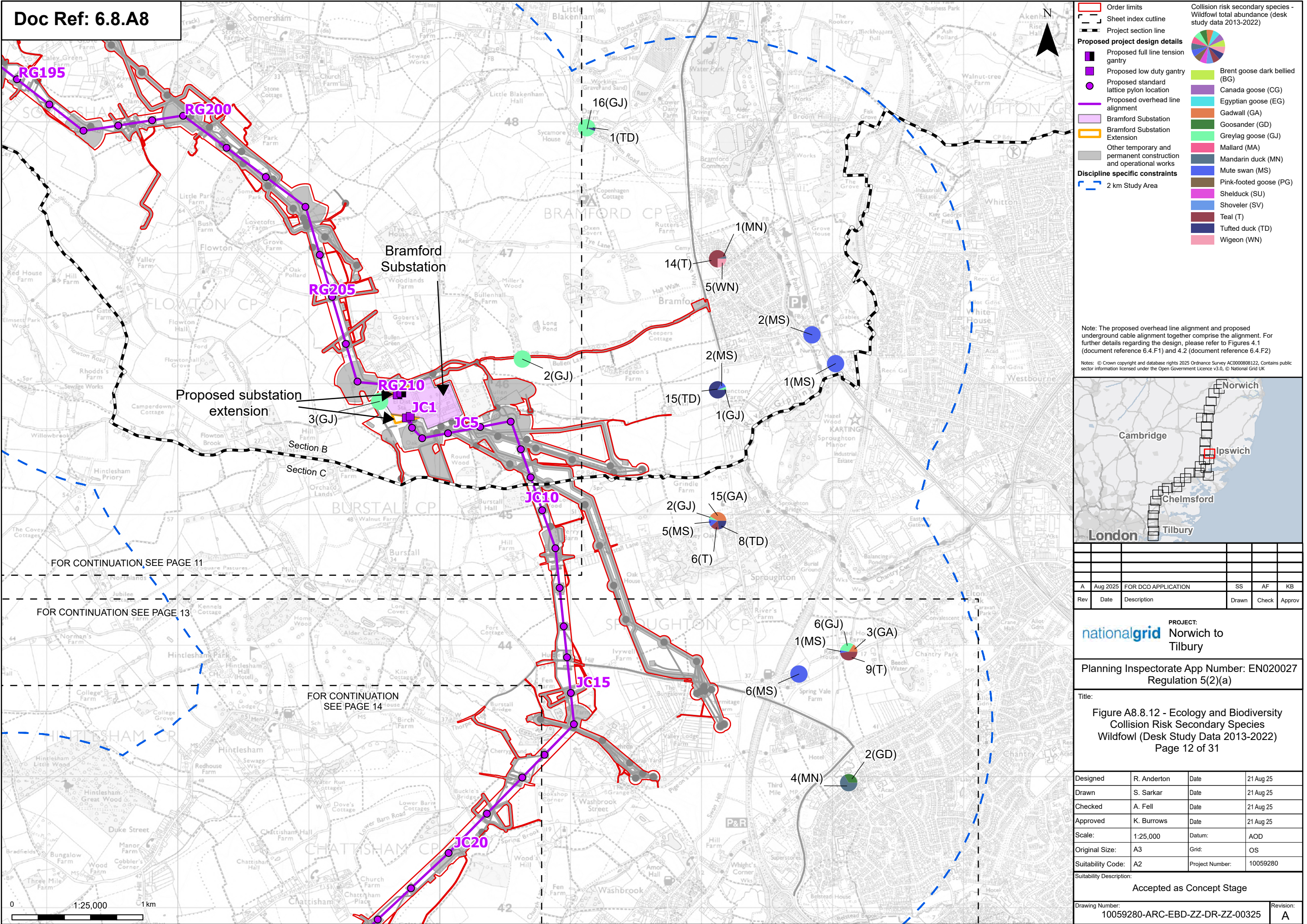
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

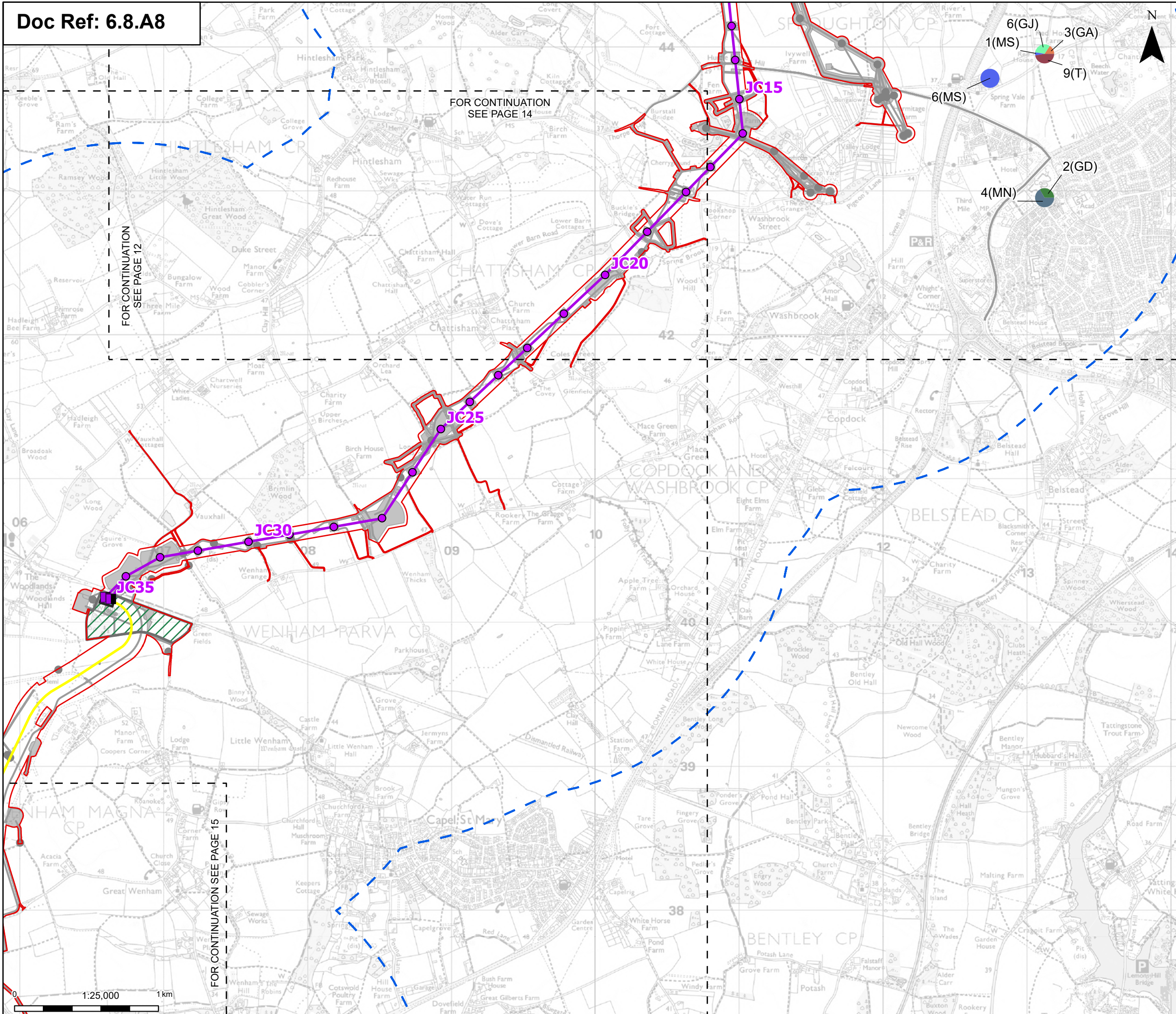
Suitability Description:
Accepted as Concept Stage

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

Revision:
A

Print Date: 08-15-25 12:45:08 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





Order limits

Sheet index outline

Proposed project design details

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

Discipline specific constraints

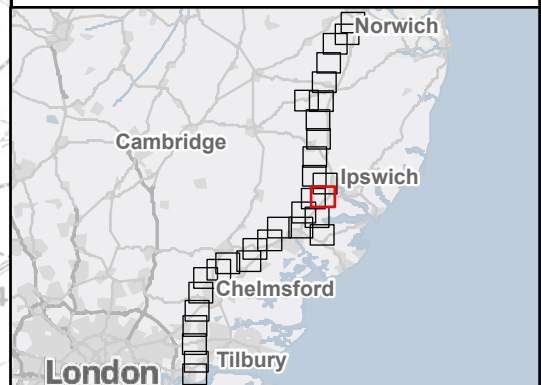
2 km Study Area

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
Norwich to
Tilbury

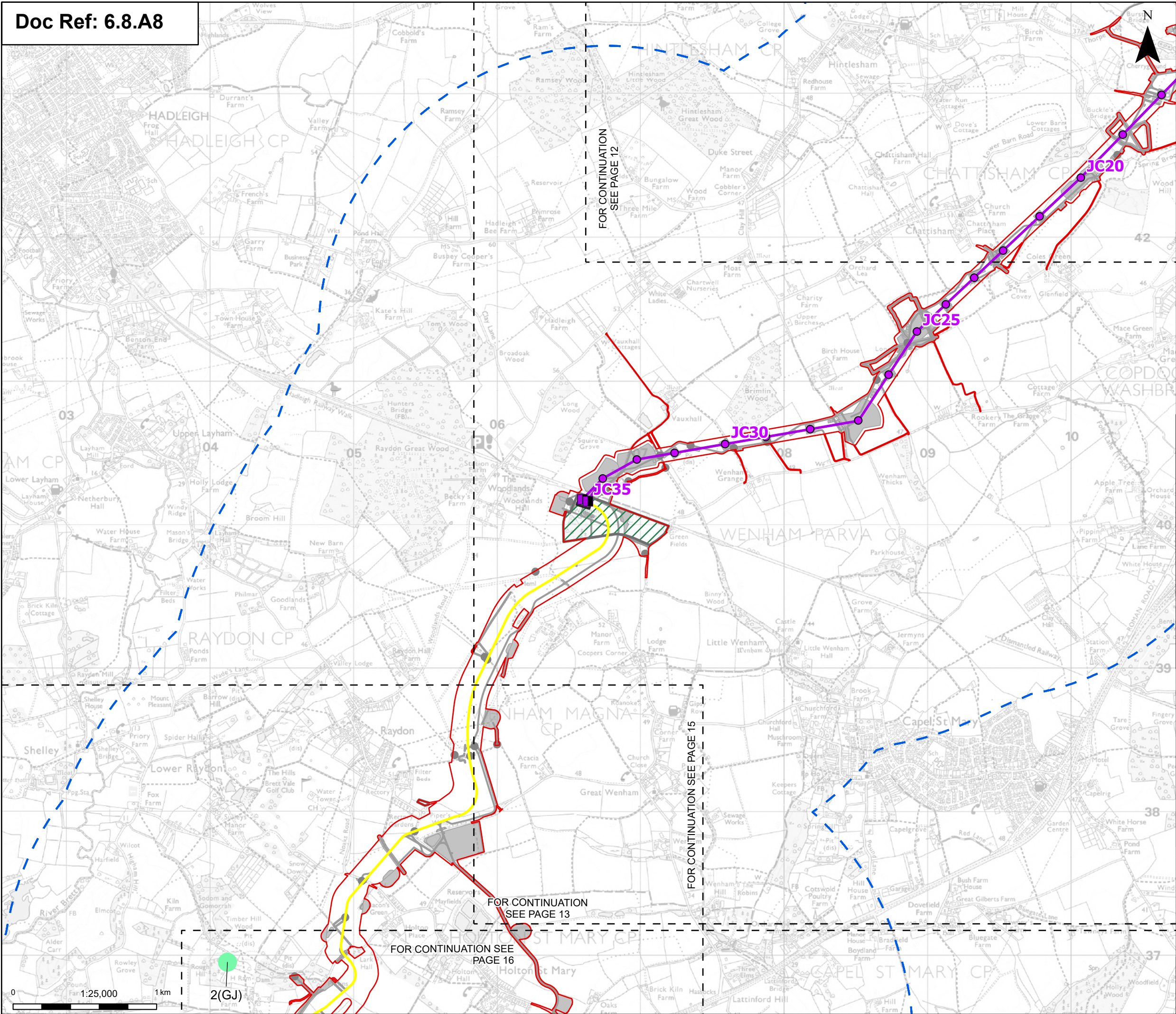
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title: Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 13 of 31

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

Accepted as Concept Stage

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



Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Brent goose dark bellied (BG)

Canada goose (CG)

Egyptian goose (EG)

Gadwall (GA)

Goosander (GD)

Greylag goose (GJ)

Mallard (MA)

Mandarin duck (MN)

Mute swan (MS)

Pink-footed goose (PG)

Shelduck (SU)

Shoveler (SV)

Teal (T)

Tufted duck (TD)

Wigeon (WN)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000806122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

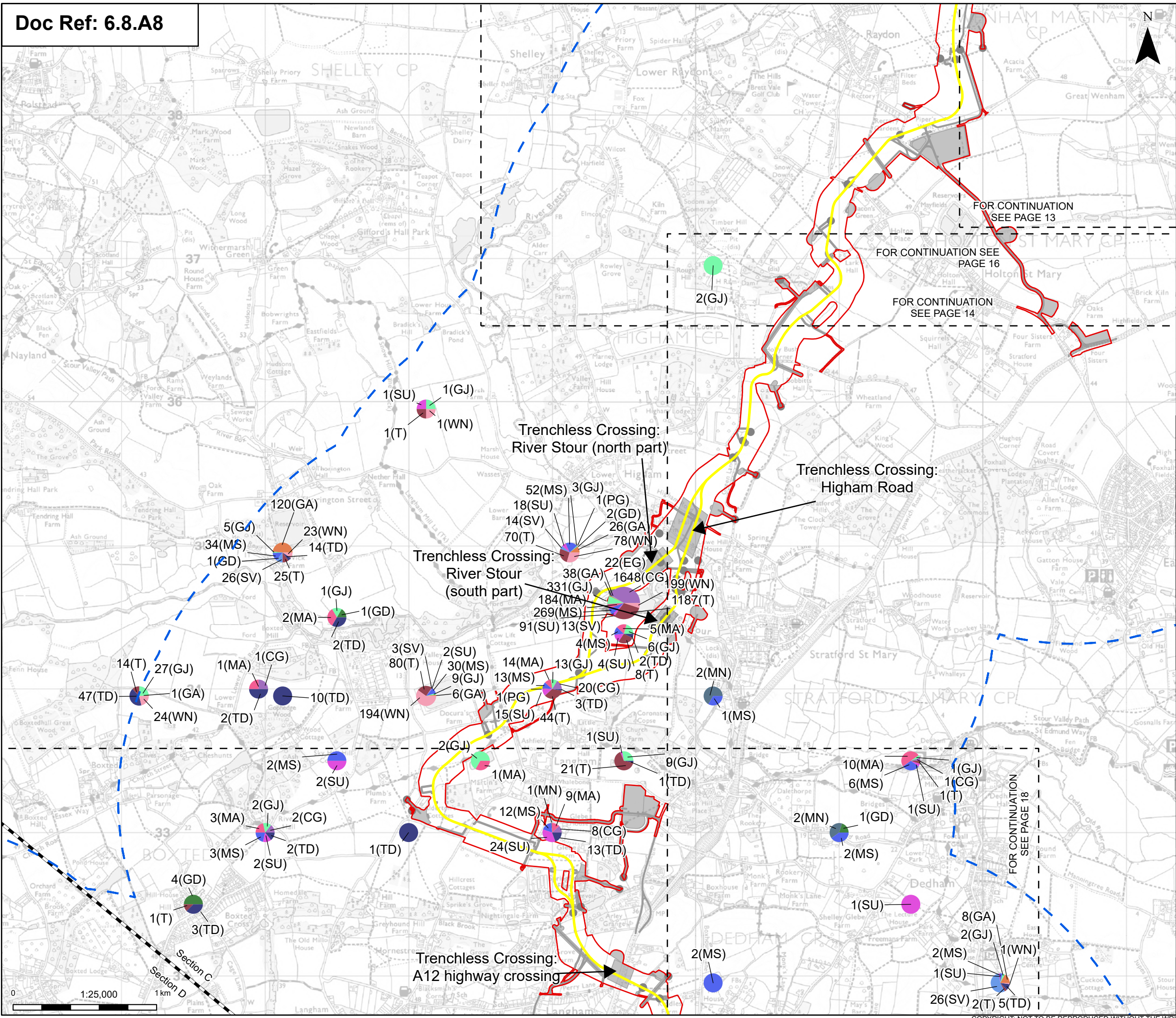
Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 14 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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

Print Date: 08-15-25 12:45:32 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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 - 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000086122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Map of the study area showing the location of the project relative to Norwich, Cambridge, Ipswich, Chelmsford, and London.

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

PROJECT: Norwich to Tilbury

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

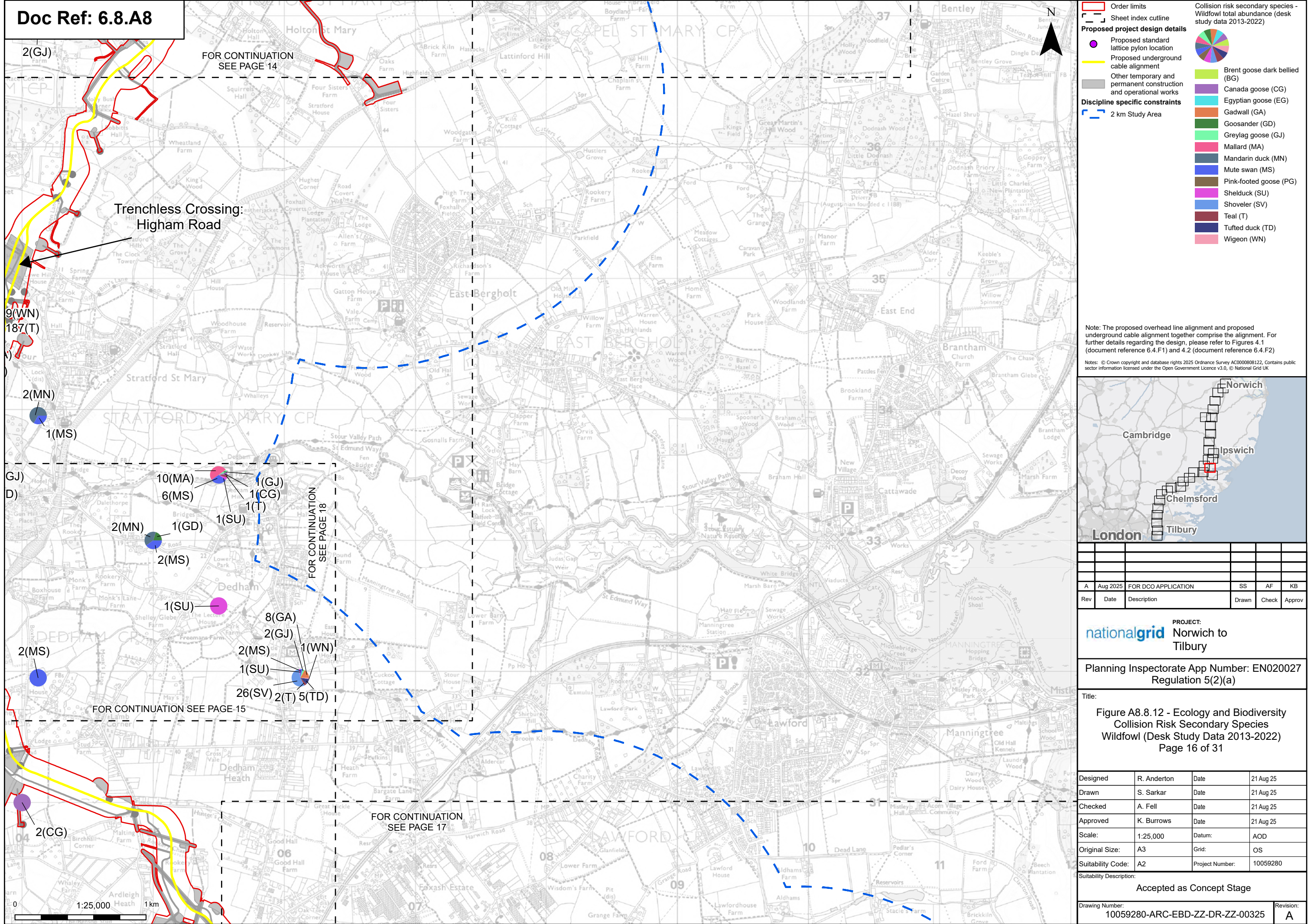
Title: Figure A8.8.12 - Ecology and Biodiversity Collision Risk Secondary Species Wildfowl (Desk Study Data 2013-2022) Page 15 of 31

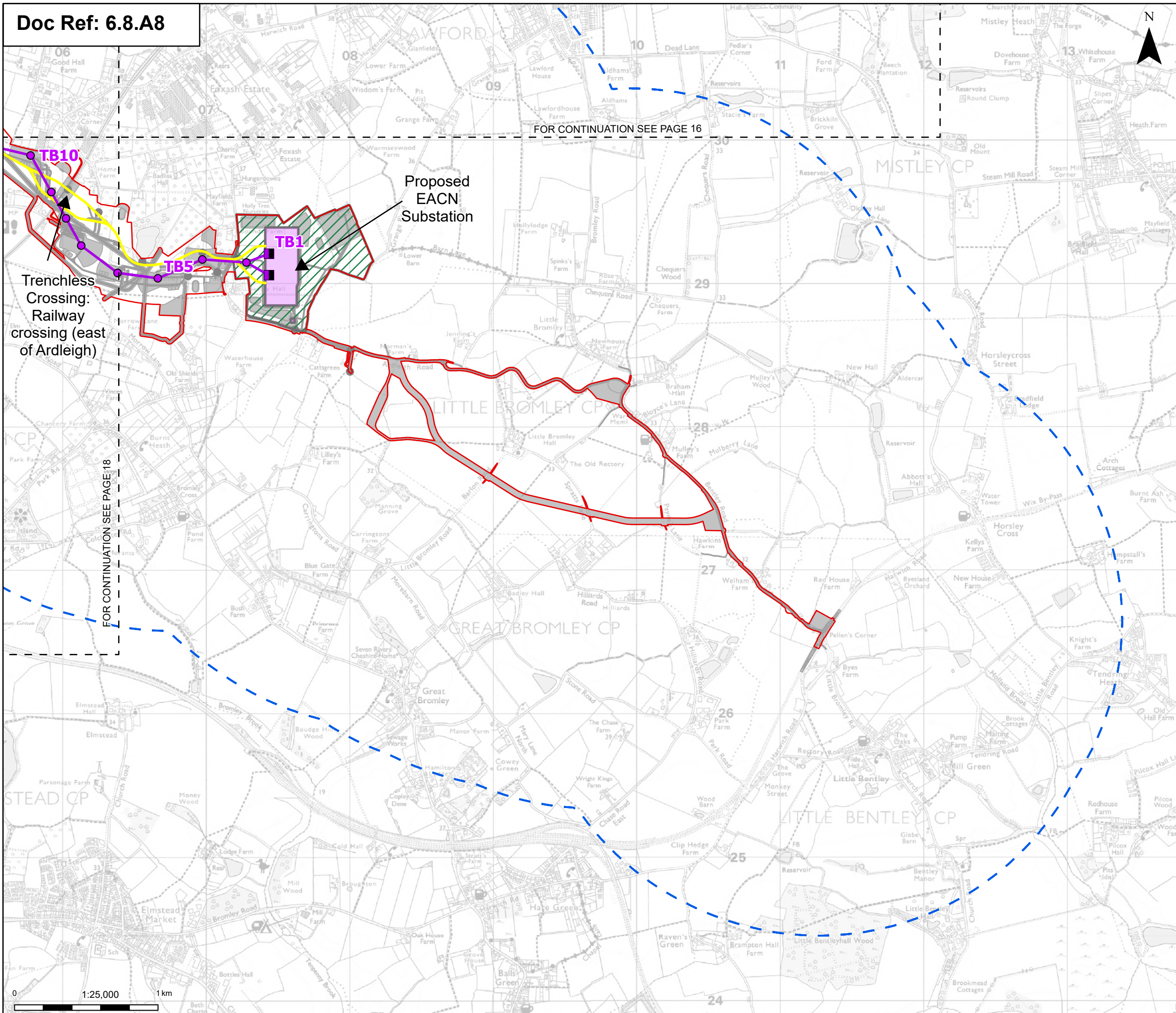
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

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

Revision: A





Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed DNO Substation

Proposed East Anglia Connection Node Substation (EACN)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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)

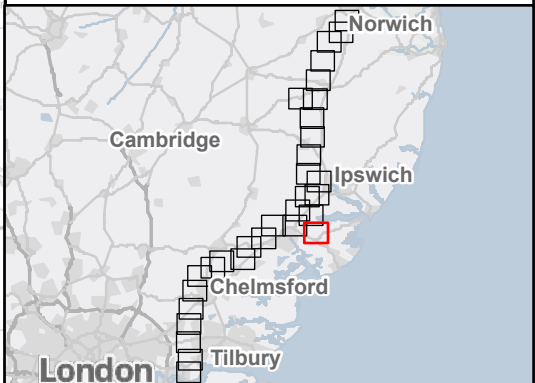
Teal (T)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000806122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

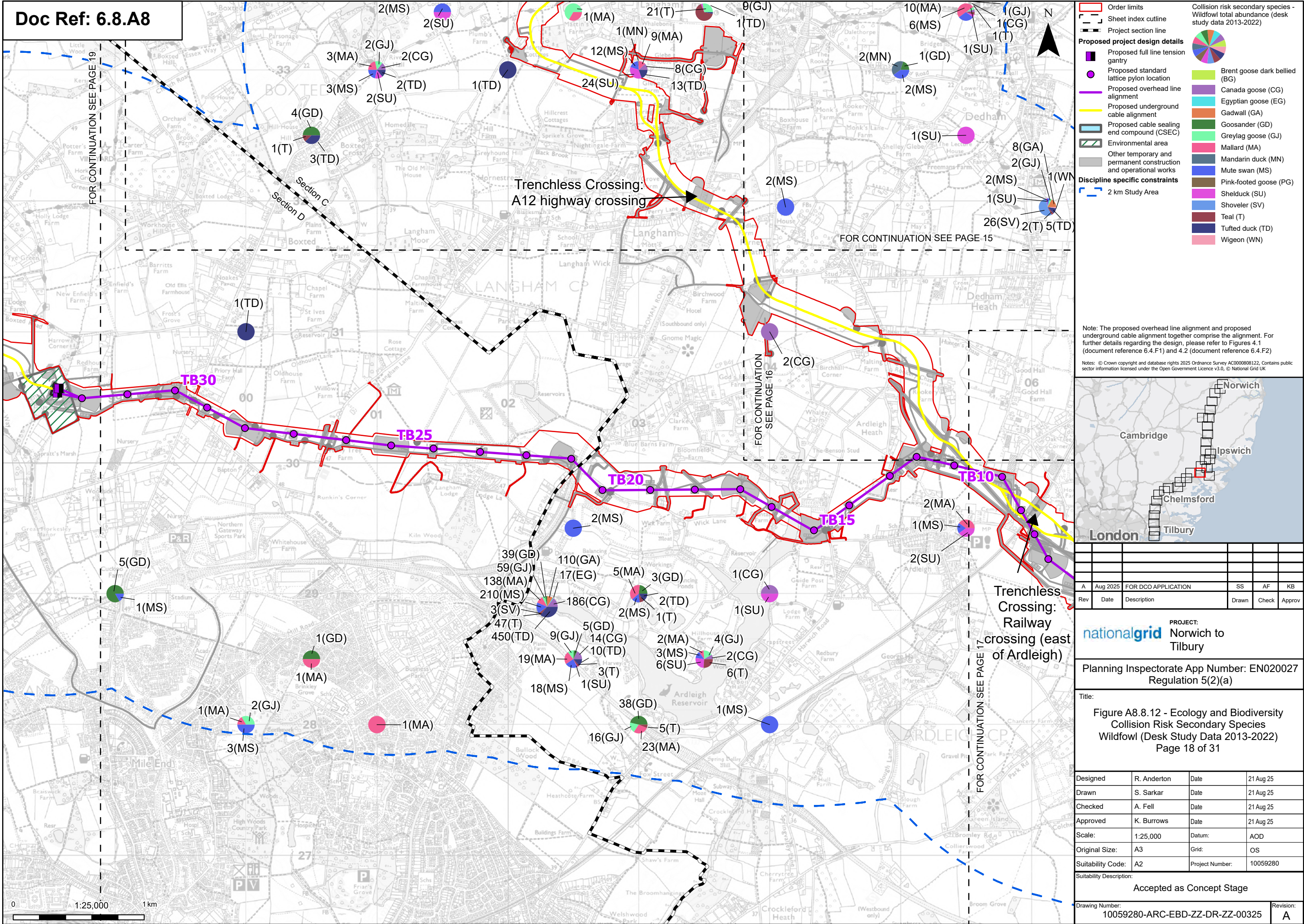
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

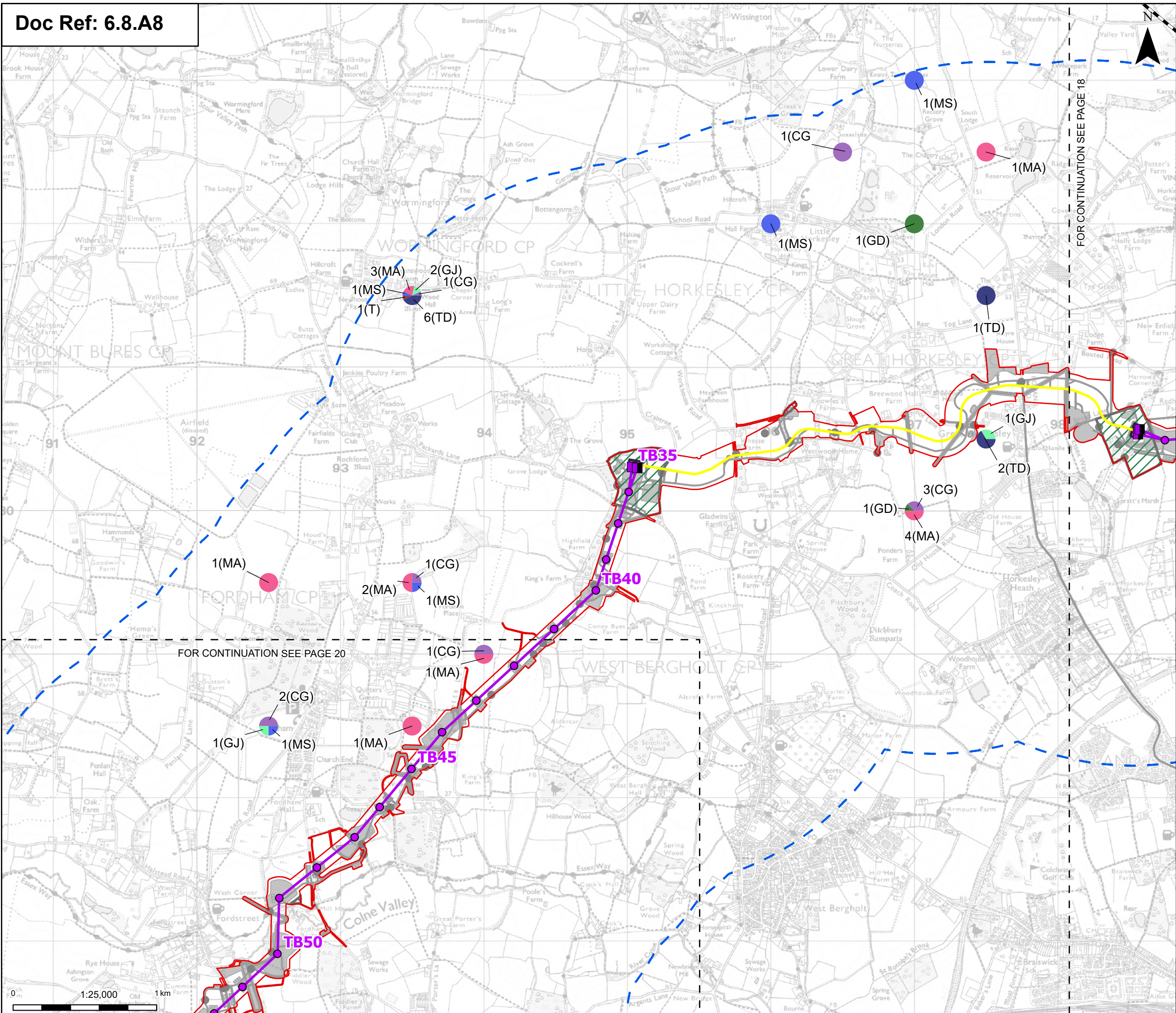
Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 17 of 31

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
Project section line

Proposed project design details
Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end compound (CSEC)
Environmental area
Environmental mitigation
Other temporary and permanent construction and operational works
2 km Study Area

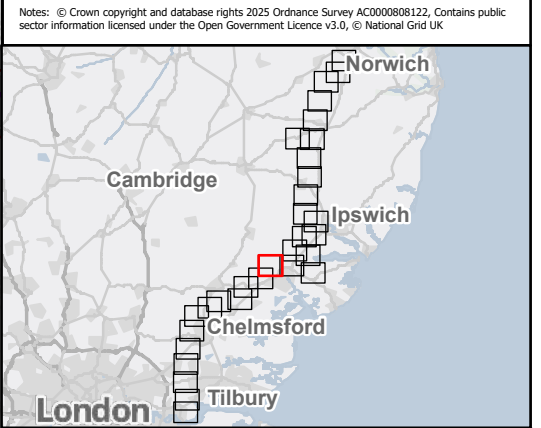
Discipline specific constraints
2 km Study Area

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

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey A000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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)

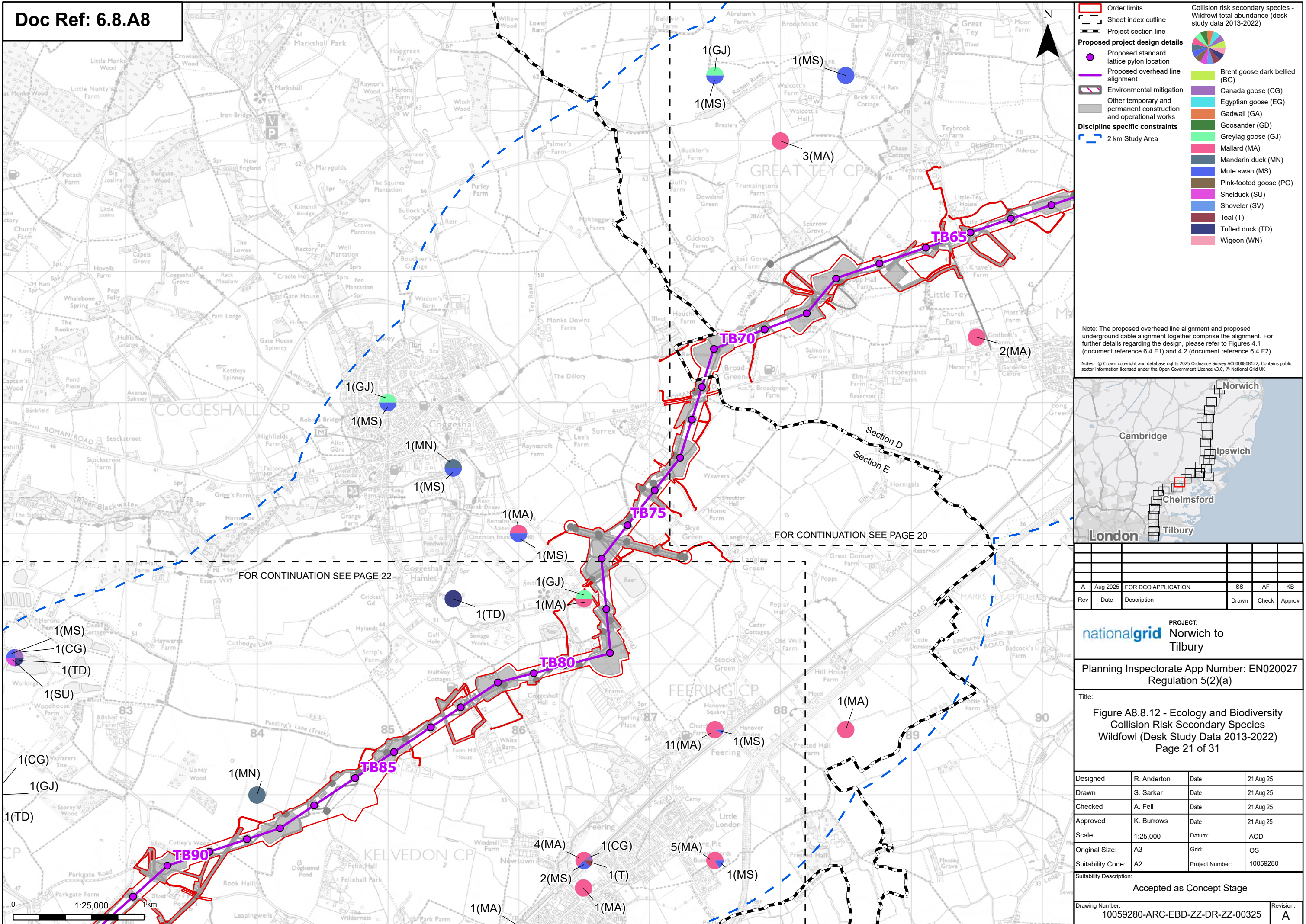
Title:
**Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 19 of 31**

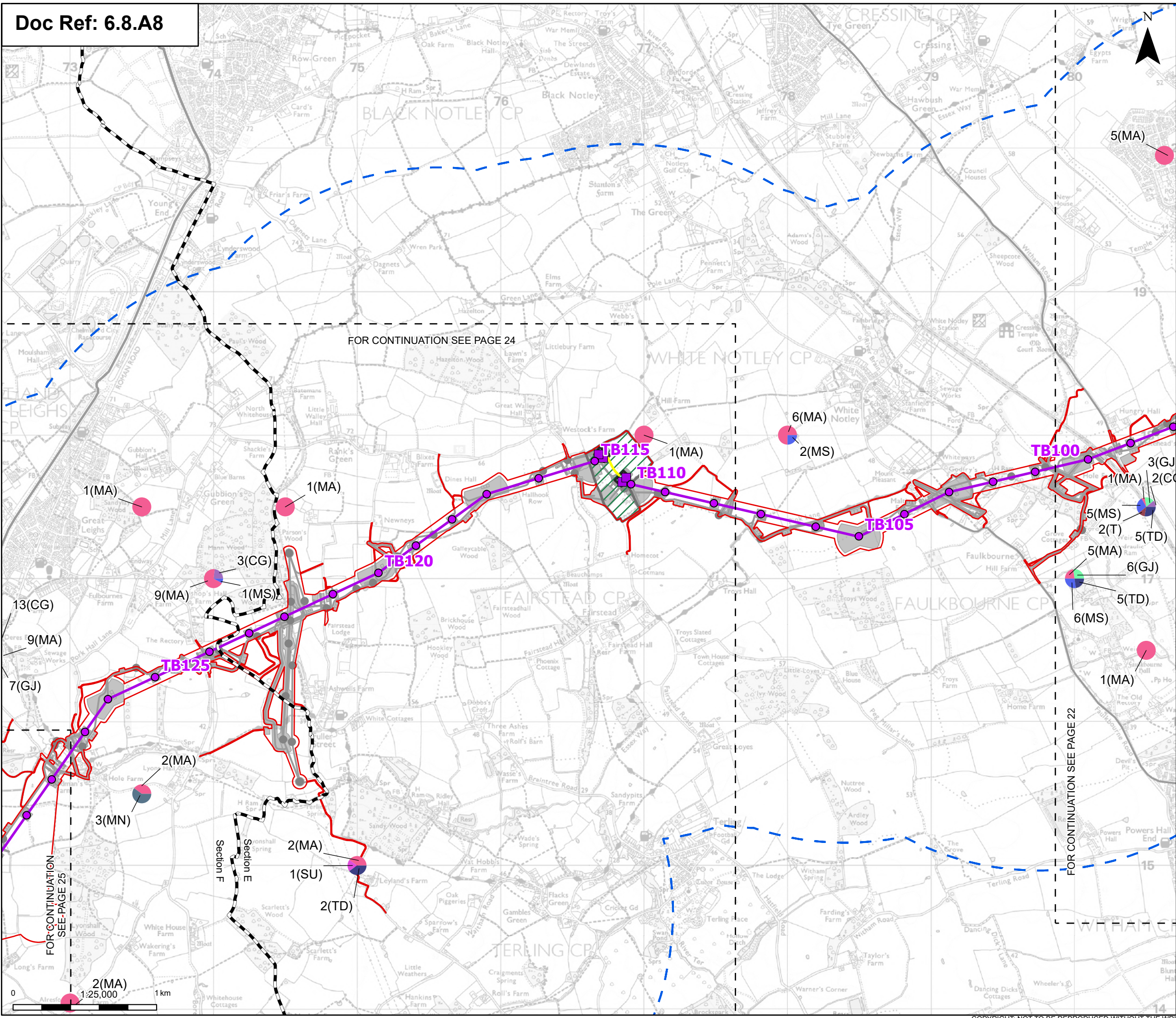
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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

Revision:
A





Order limits

Sheet index outline

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

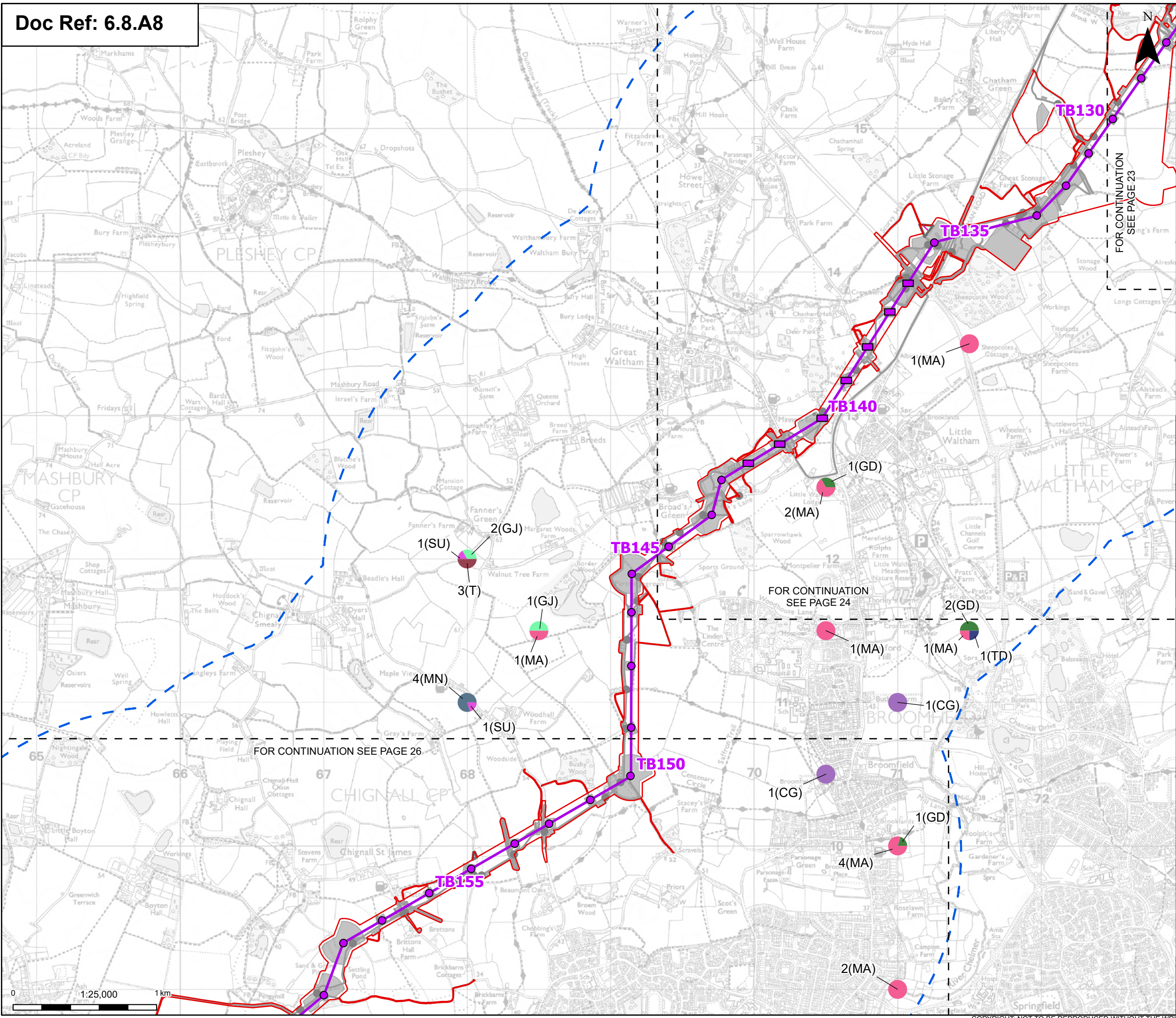
Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 23 of 31

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

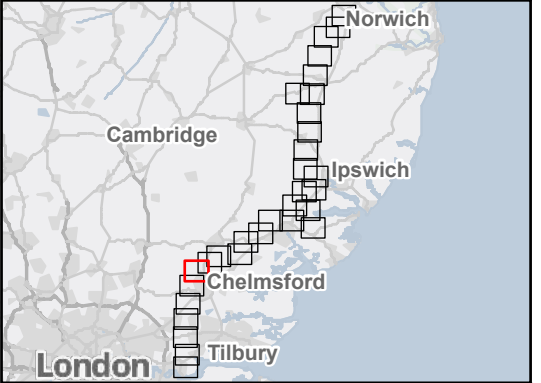
Discipline specific constraints
2 km Study Area

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey A0000806122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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)

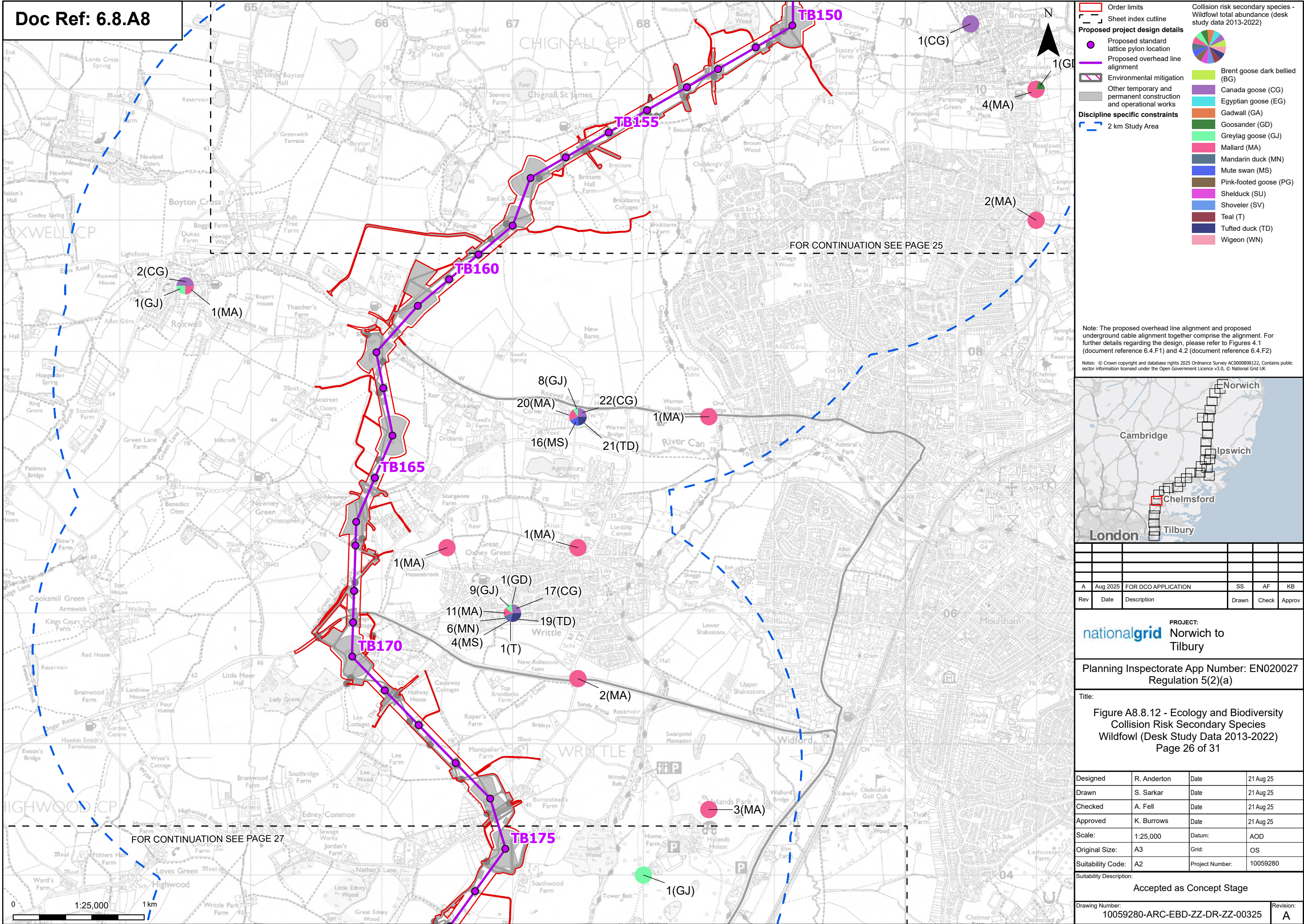
Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 25 of 31

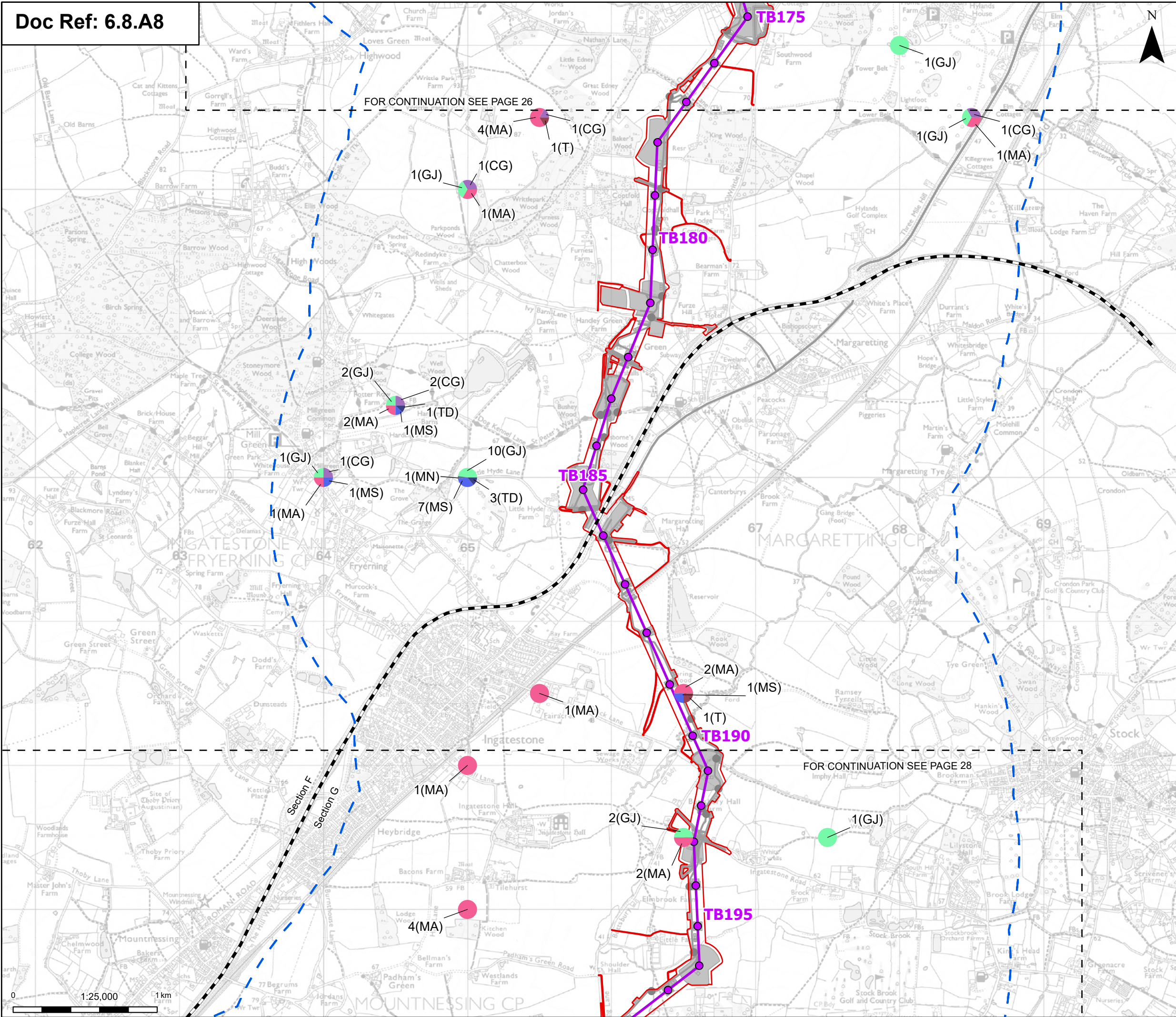
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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

Revision:
A





Order limits

Sheet index outline

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 - 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000806122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

London

Cambridge

Norwich

Ipswich

Chelmsford

Tilbury

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 A8.8.12 - Ecology and Biodiversity

Collision Risk Secondary Species

Wildfowl (Desk Study Data 2013-2022)

Page 27 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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:

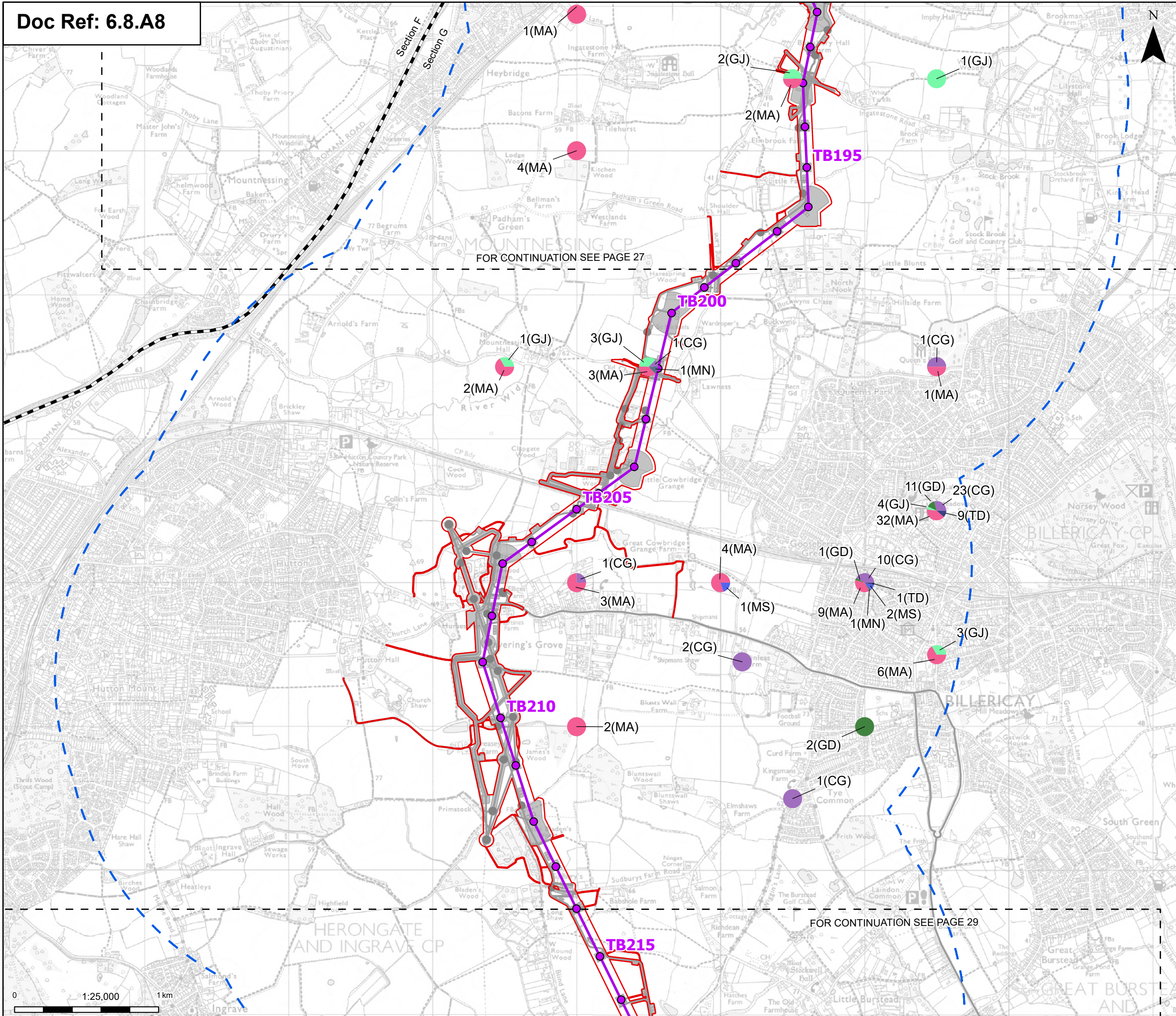
Accepted as Concept Stage

Drawing Number:

10059280-ARC-EBD-ZZ-DR-ZZ-00325

Revision:

A



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

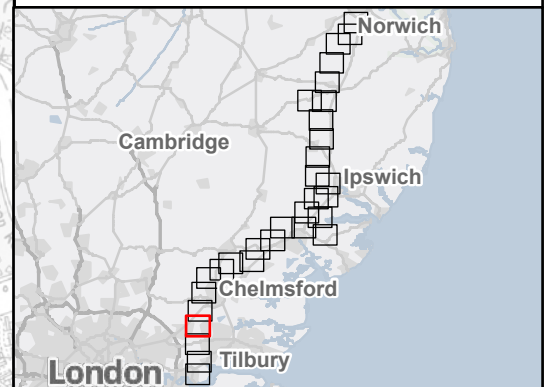
- 2 km Study Area

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

Species	Abundance
Brent goose dark bellied (BG)	1
Canada goose (CG)	1
Egyptian goose (EG)	1
Gadwall (GA)	1
Goosander (GD)	1
Greylag goose (GJ)	1
Mallard (MA)	1
Mandarin duck (MN)	1
Mute swan (MS)	1
Pink-footed goose (PG)	1
Shelduck (SU)	1
Shoveler (SV)	1
Teal (T)	1
Tufted duck (TD)	1
Wigeon (WN)	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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid PROJECT:
Norwich to
Tilbury

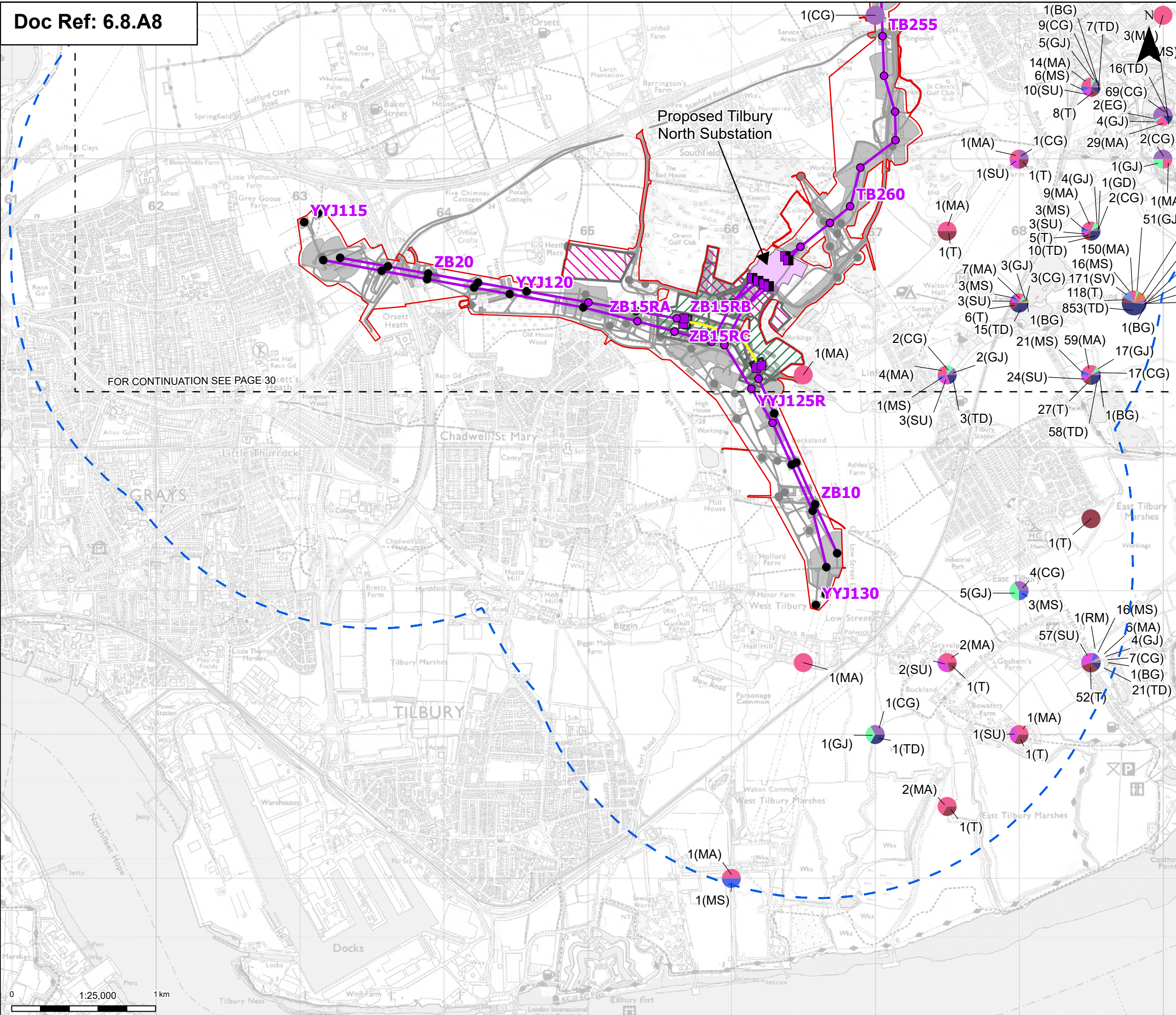
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title: Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 28 of 31

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000086122. Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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)

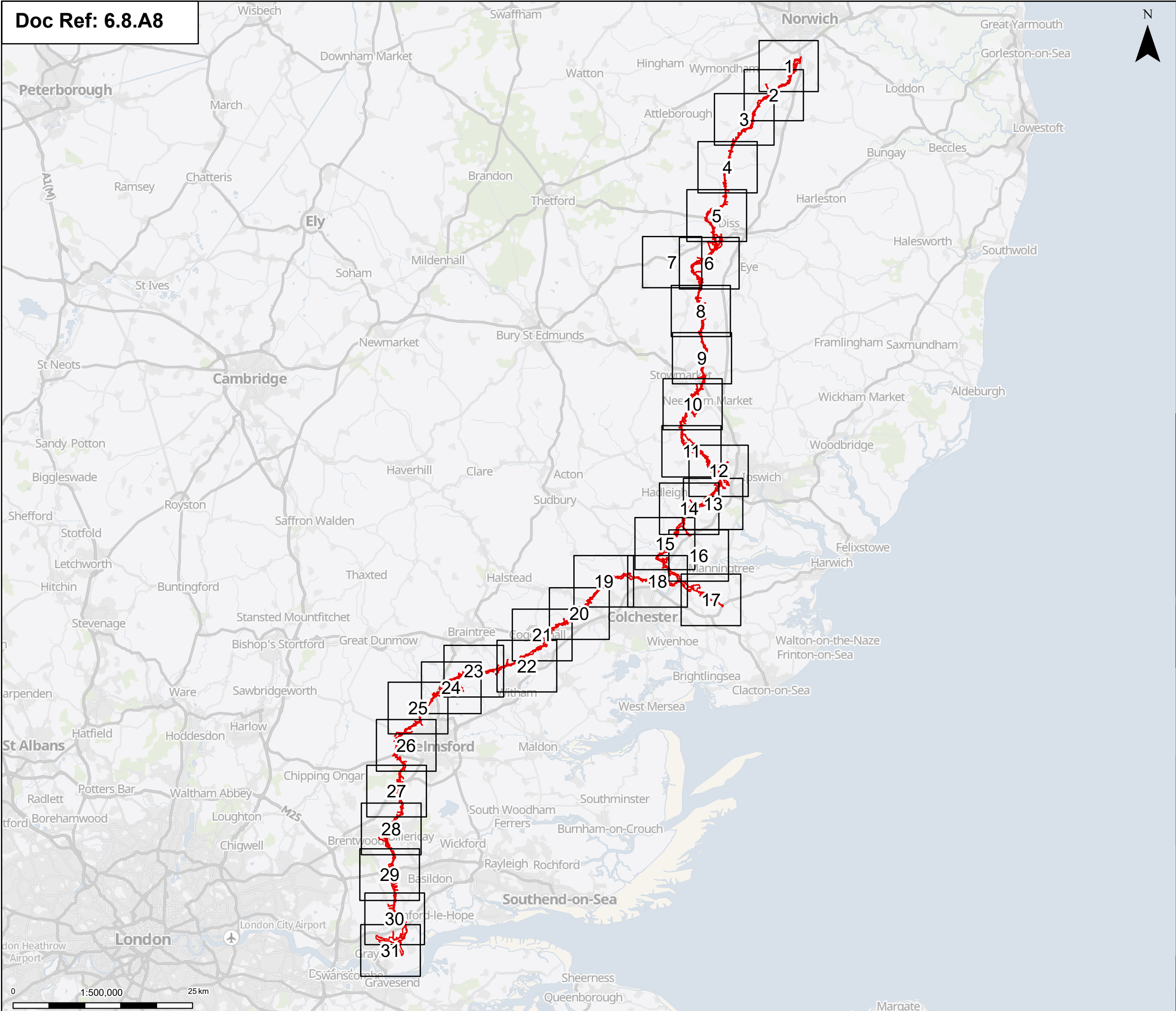
Title:
Figure A8.8.12 - Ecology and Biodiversity
Collision Risk Secondary Species
Wildfowl (Desk Study Data 2013-2022)
Page 31 of 31

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

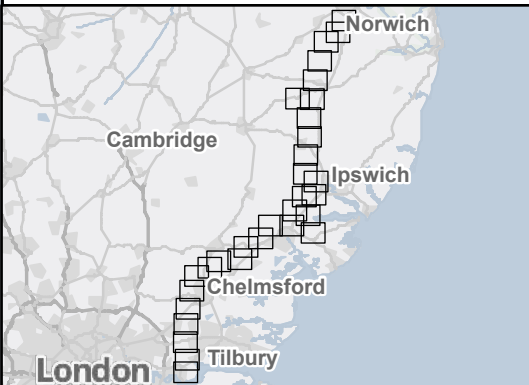
Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:47:45 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid PROJECT:
Norwich to
Tilbury

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

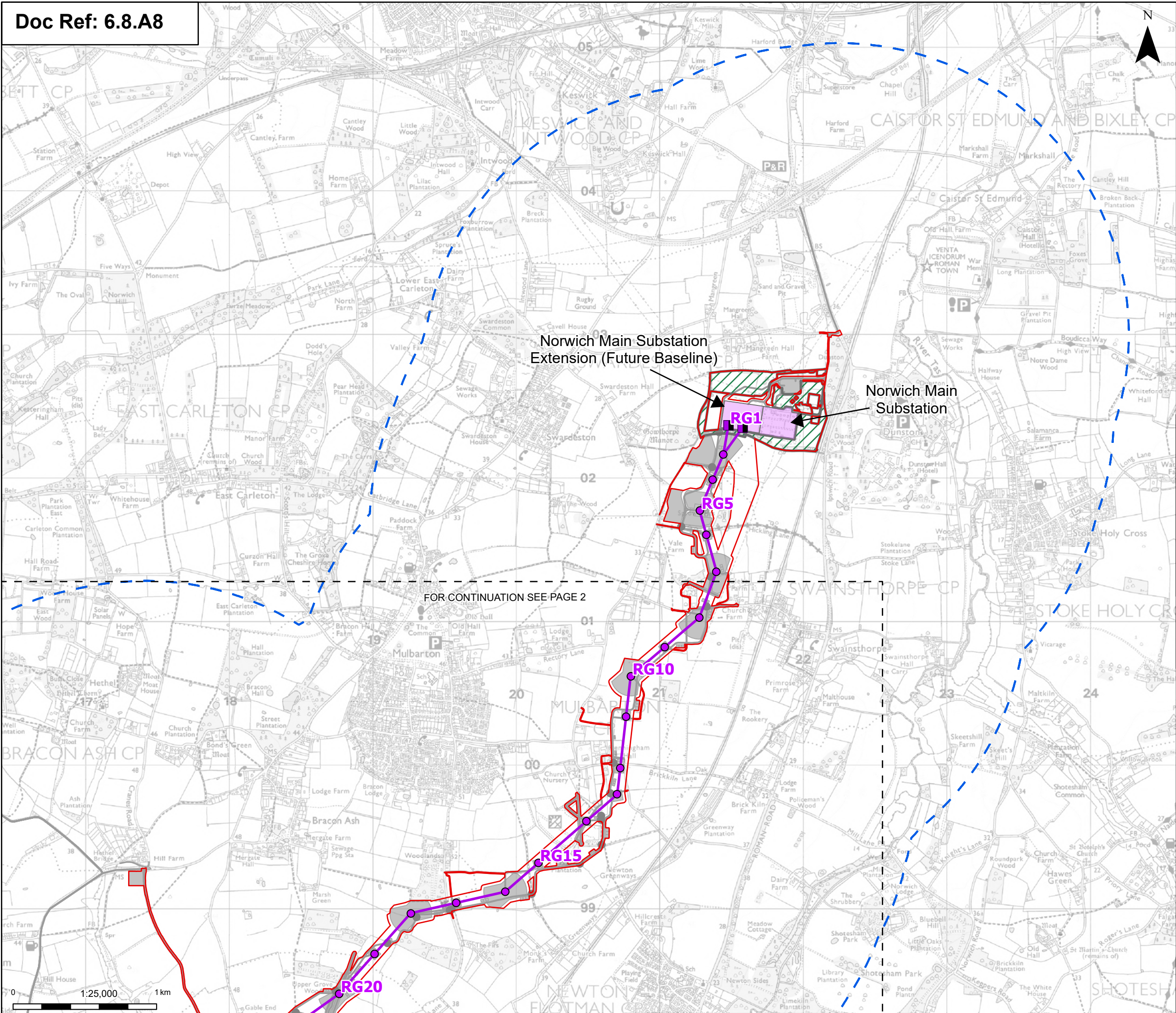
Title: **Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Overview**

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:	1:500,000	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

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

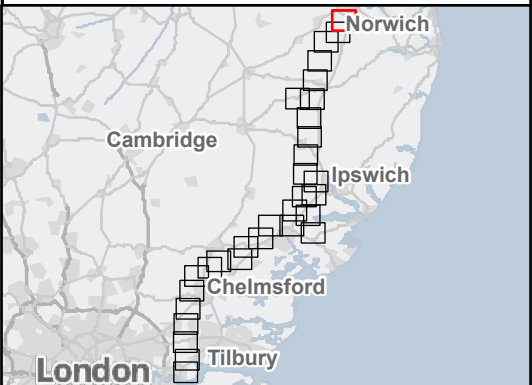
Snipe (SN)

Turnstone (TT)

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

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

nationalgrid

PROJECT:
Norwich to
Tilbury

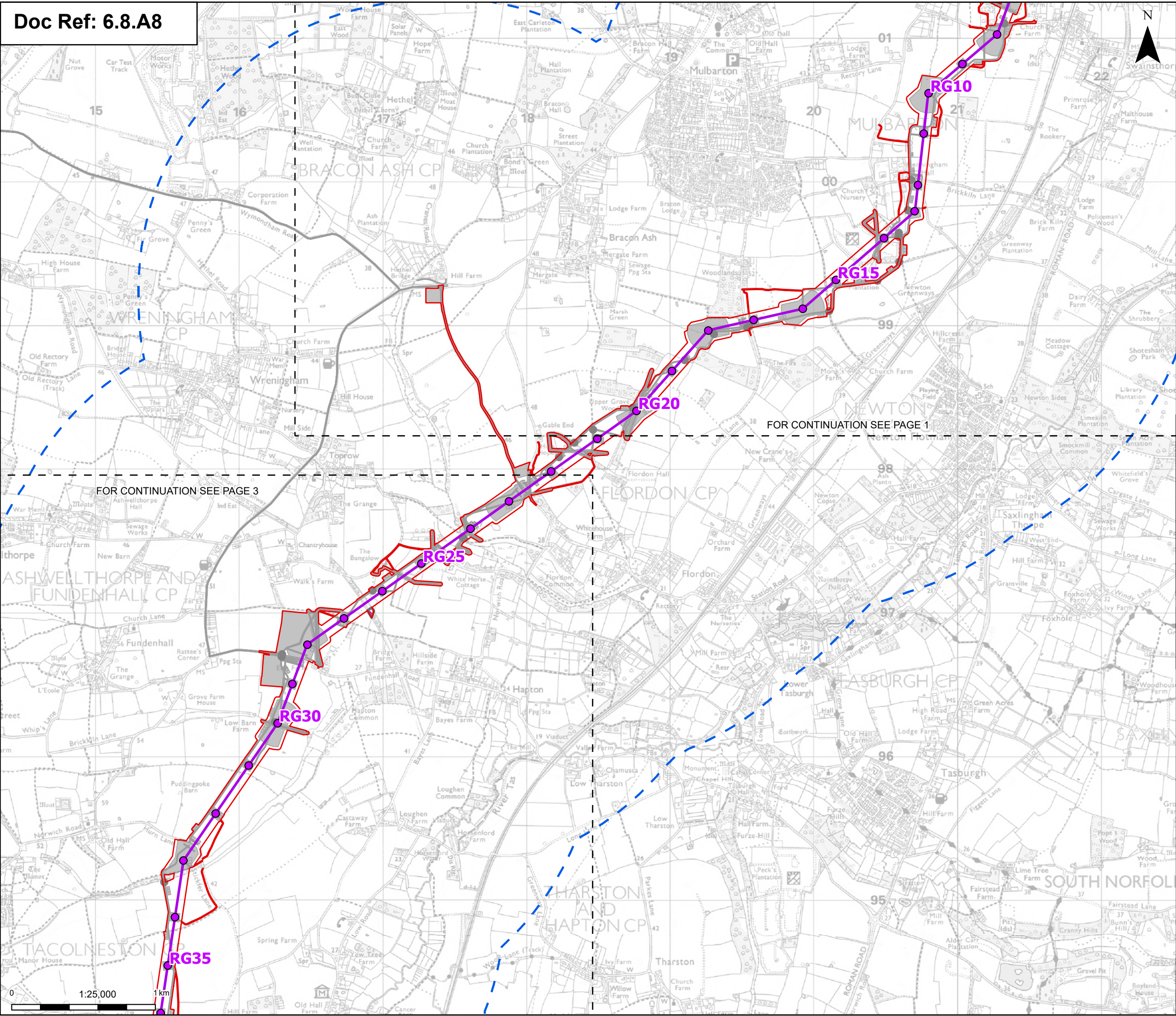
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 1 of 31

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

Suitability Description:
Accepted as Concept Stage

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



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

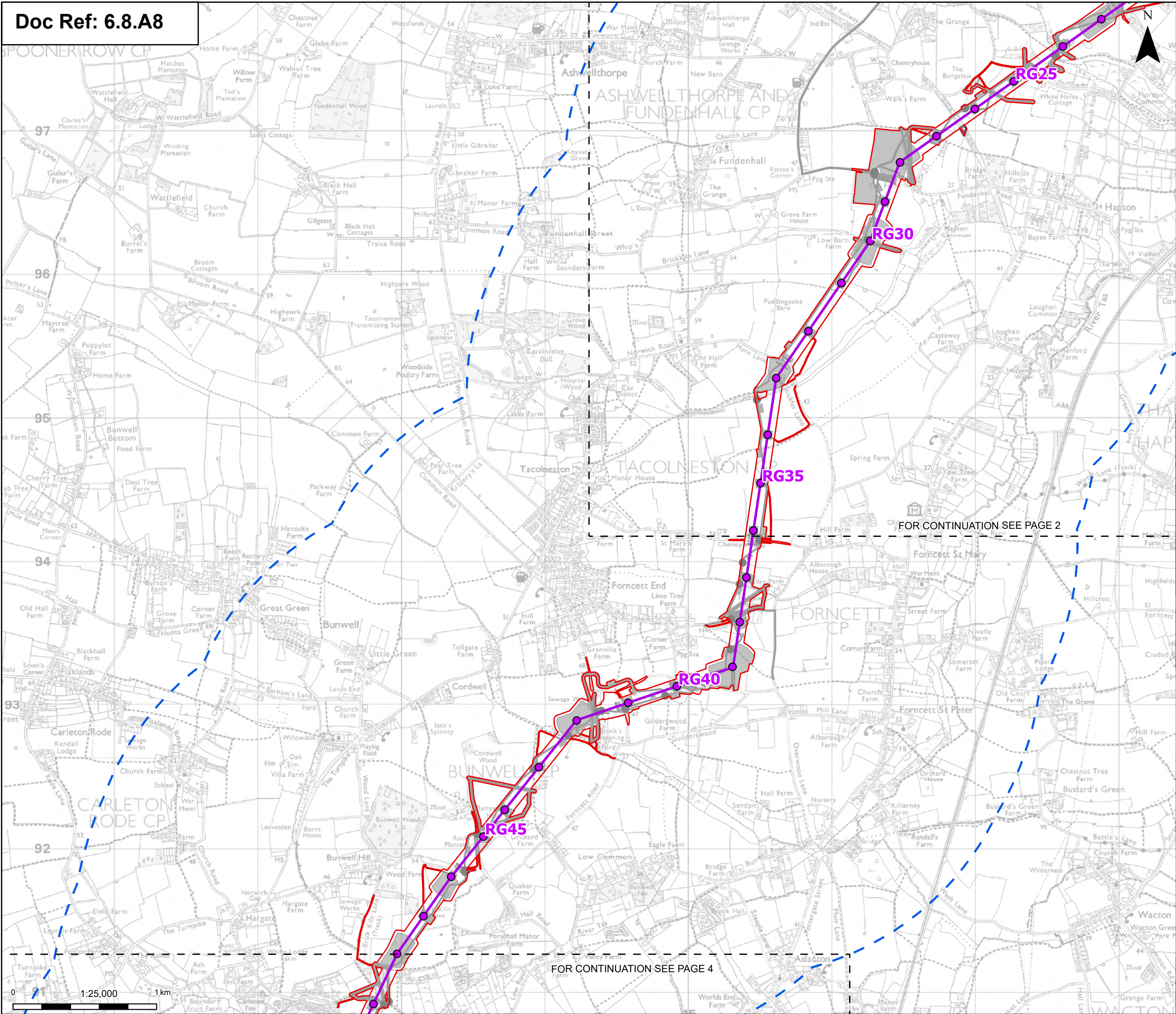
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 2 of 31

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:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:46:20 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index outline

Proposed project design details

Discipline specific constraints

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

2 km Study Area

Collision risk 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)

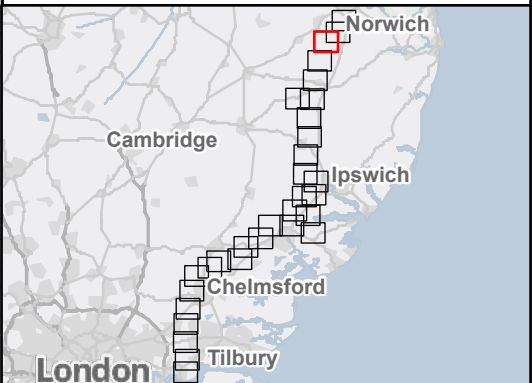
Sanderling (SS)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

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

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 3 of 31

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

Accepted as Concept Stage

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

FOR CONTINUATION SEE PAGE 3

FOR CONTINUATION SEE PAGE 5

Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

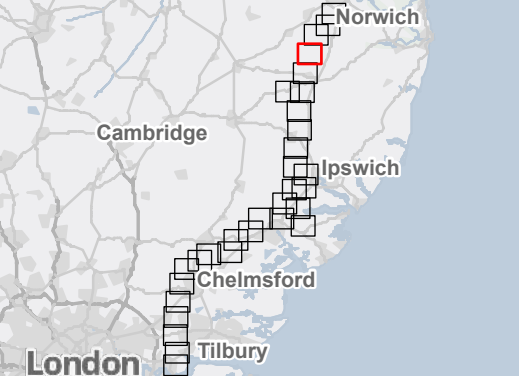
Snipe (SN)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000608122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT: Norwich to Tilbury

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

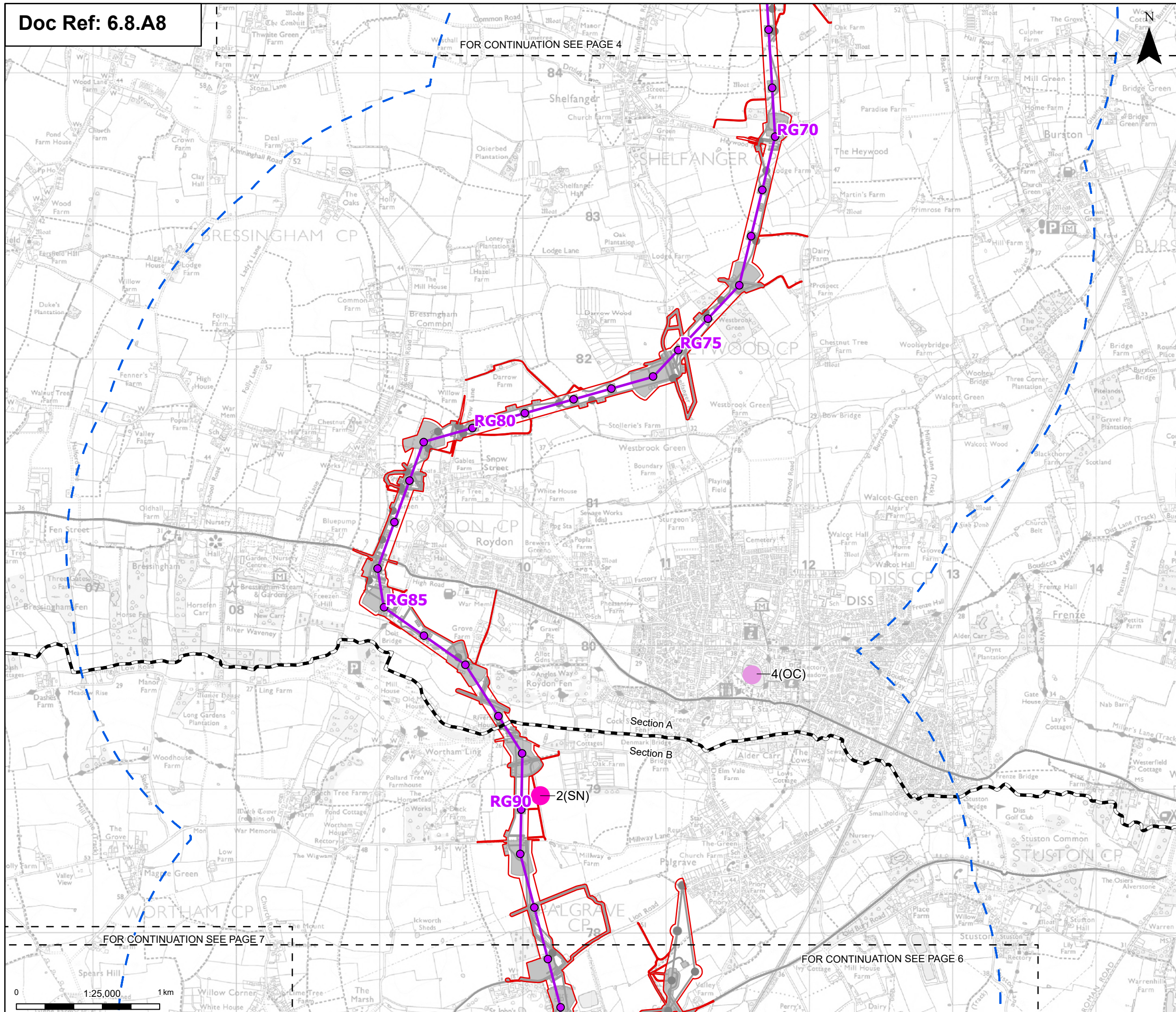
Title: Figure A8.8.13 - Ecology and Biodiversity Collision Risk Secondary Species Waders (Desk Study Data 2013-2022) Page 4 of 31

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

Suitability Description: Accepted as Concept Stage

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

FOR CONTINUATION SEE PAGE 4



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)

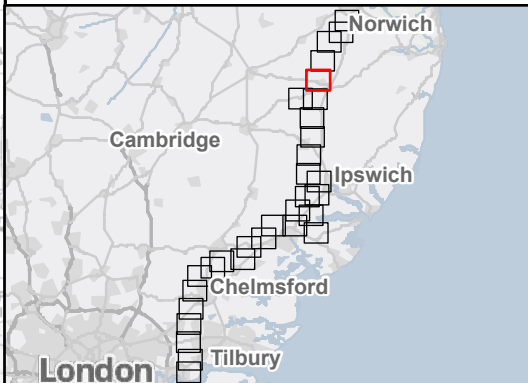
Sanderling (SS)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC00008122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to
Tilbury

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

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 5 of 31

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

FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 8
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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 6 of 31

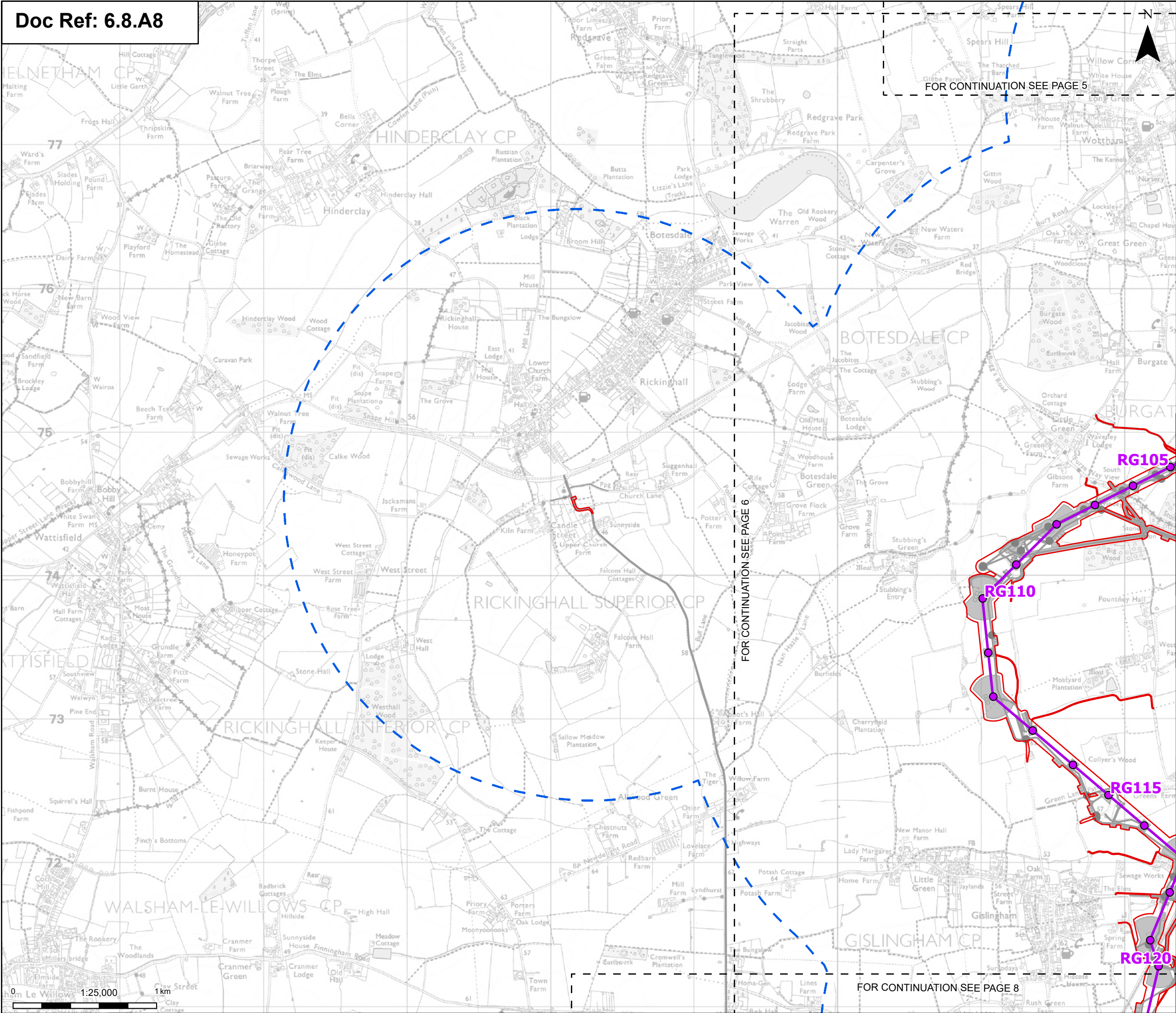
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

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

Print Date: 08-15-25 12:46:54

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 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:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

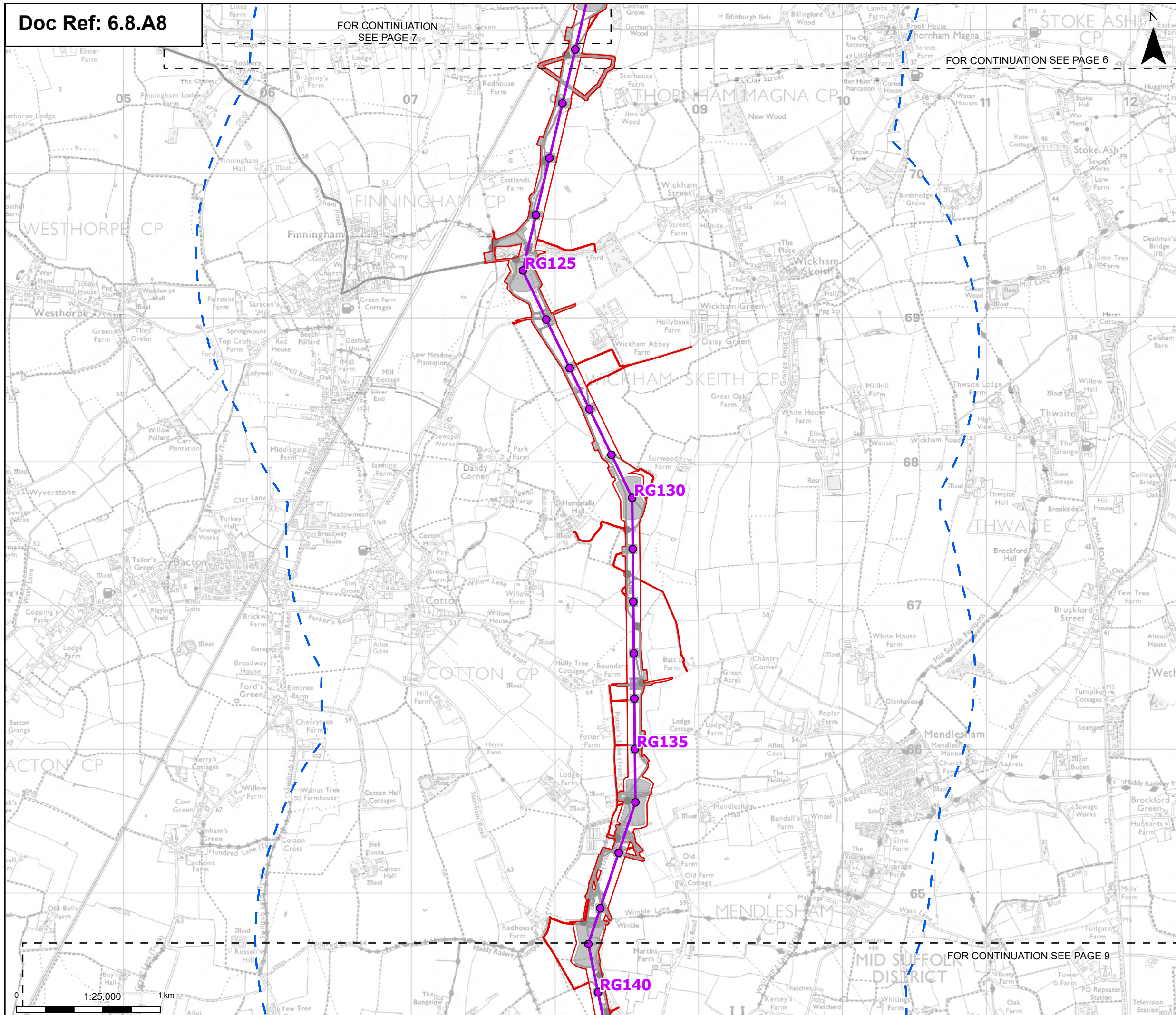
Suitability Description:
Accepted as Concept Stage

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

FOR CONTINUATION
SEE PAGE 7

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 9



 Order limits

 Sheet index

Proposed project details

 Proposed station
pylon location

 Proposed over-
alignment

 Other temporary
permanent cut
and operation

Discipline specific content

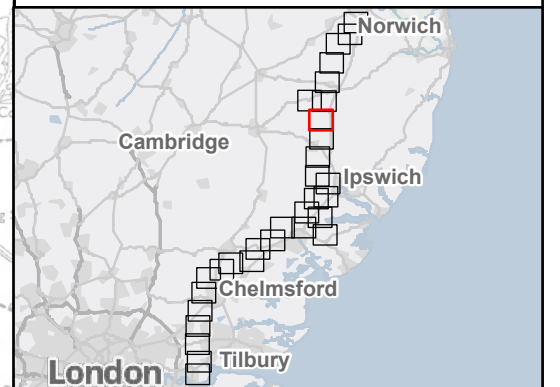
 2 km Study

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

Species	Relative Abundance (approx. %)
Common sandpiper (CS)	12
Curlew sandpiper (CV)	10
Grey plover (GV)	8
Jack snipe (JS)	7
Knot (KN)	6
Little stint (LX)	5
Oystercatcher (OC)	4
Redshank (RK)	3
Sanderling (SS)	2
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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0. © National Grid UK



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

nationalgrid PROJECT:
Norwich to
Tilbury

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

Title: Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 8 of 31

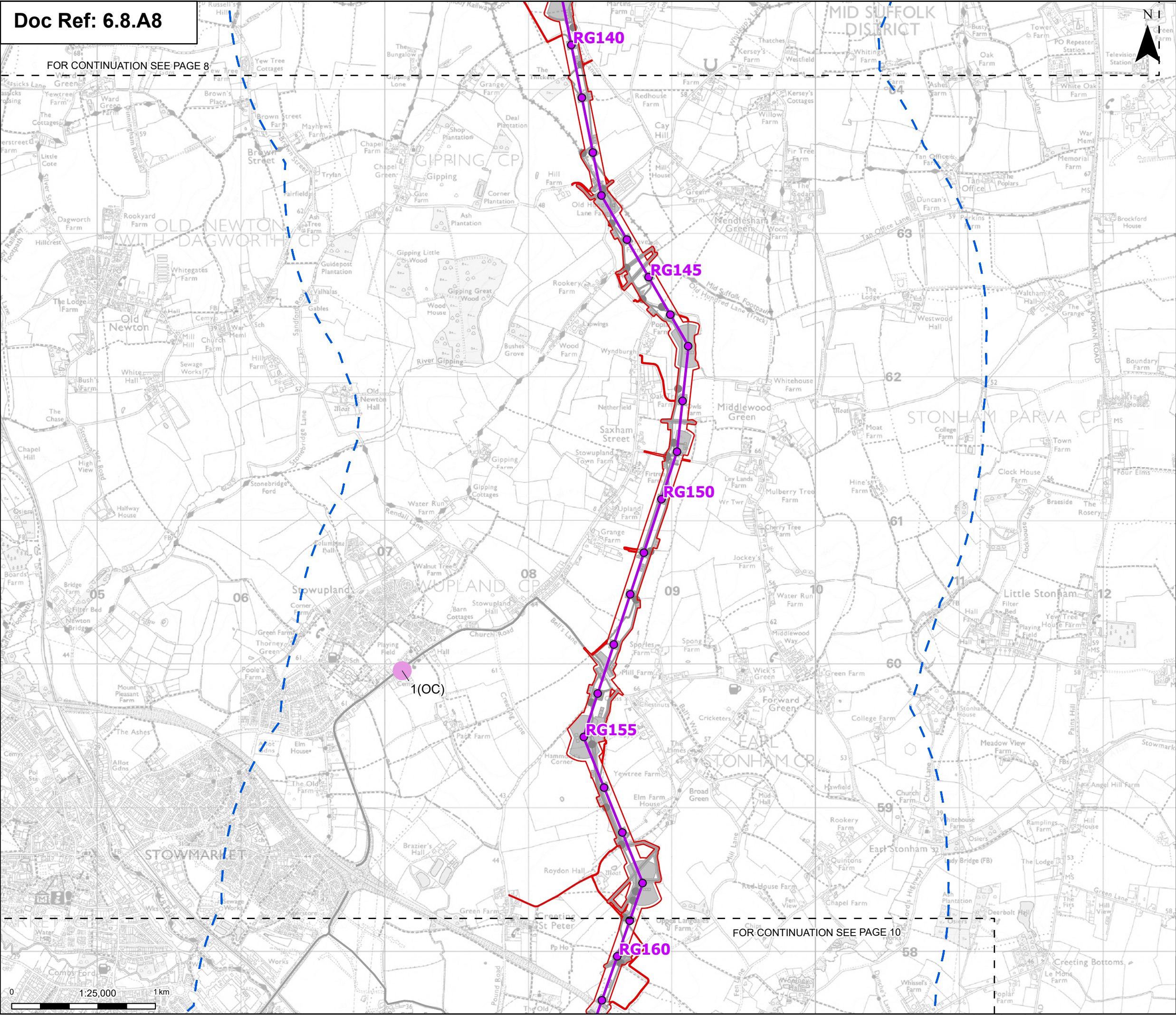
Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

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

FOR CONTINUATION SEE PAGE 8



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)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

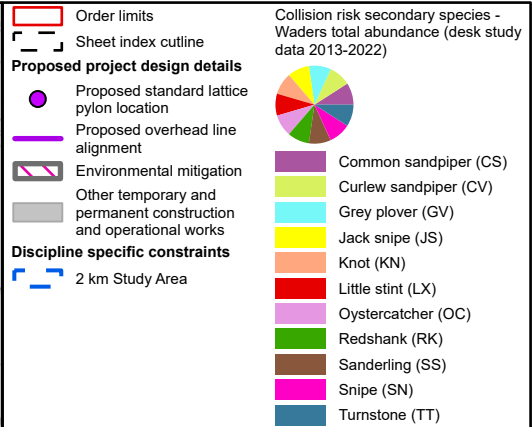
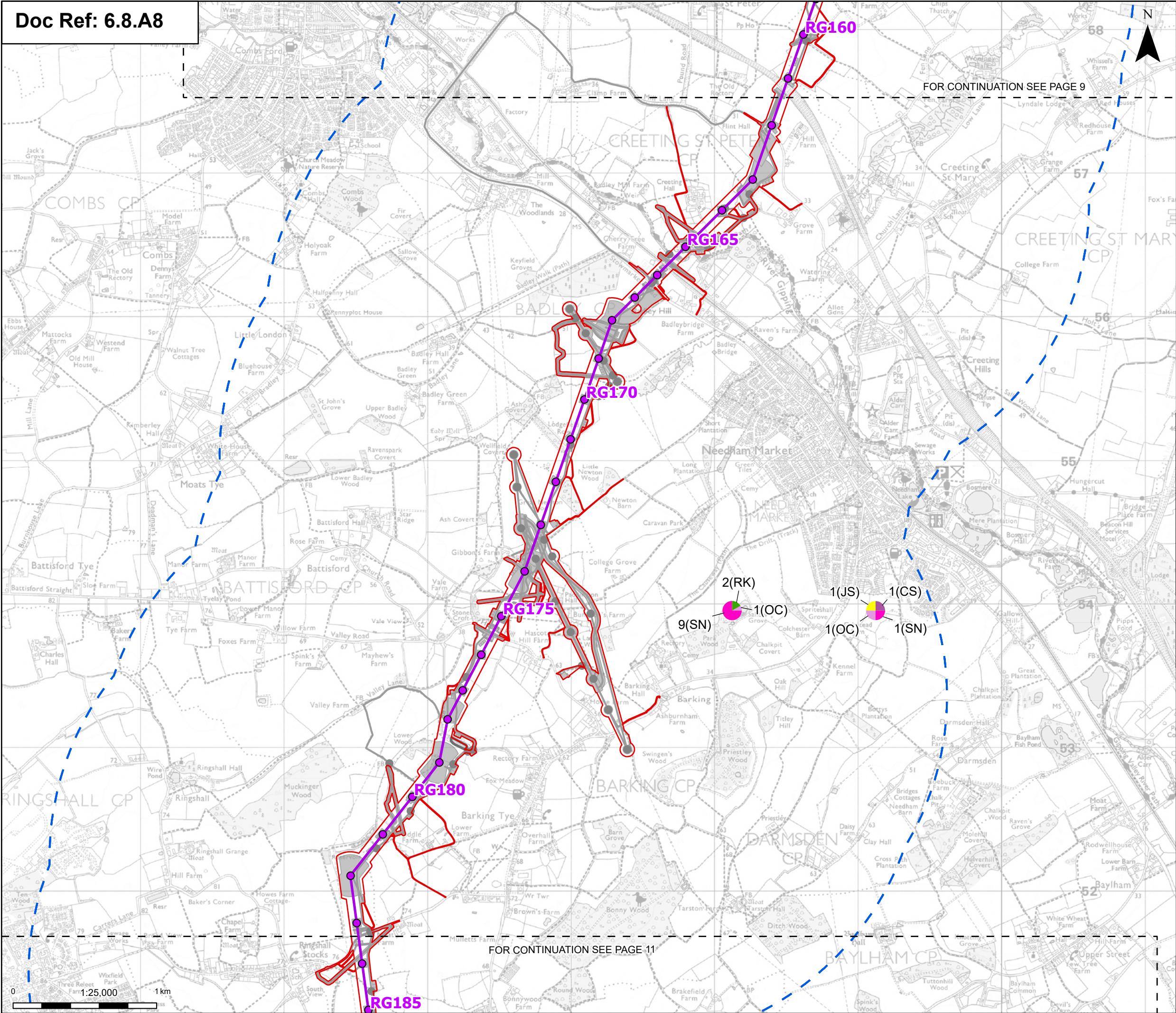
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 9 of 31

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

Suitability Description:
Accepted as Concept Stage

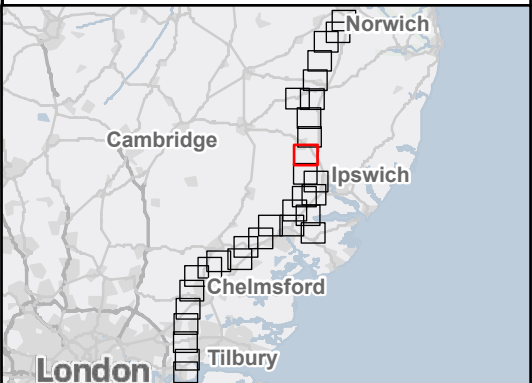
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00326	Revision: A
--	----------------

Print Date: 08-15-25 12:47:16 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT: **Norwich to Tilbury**

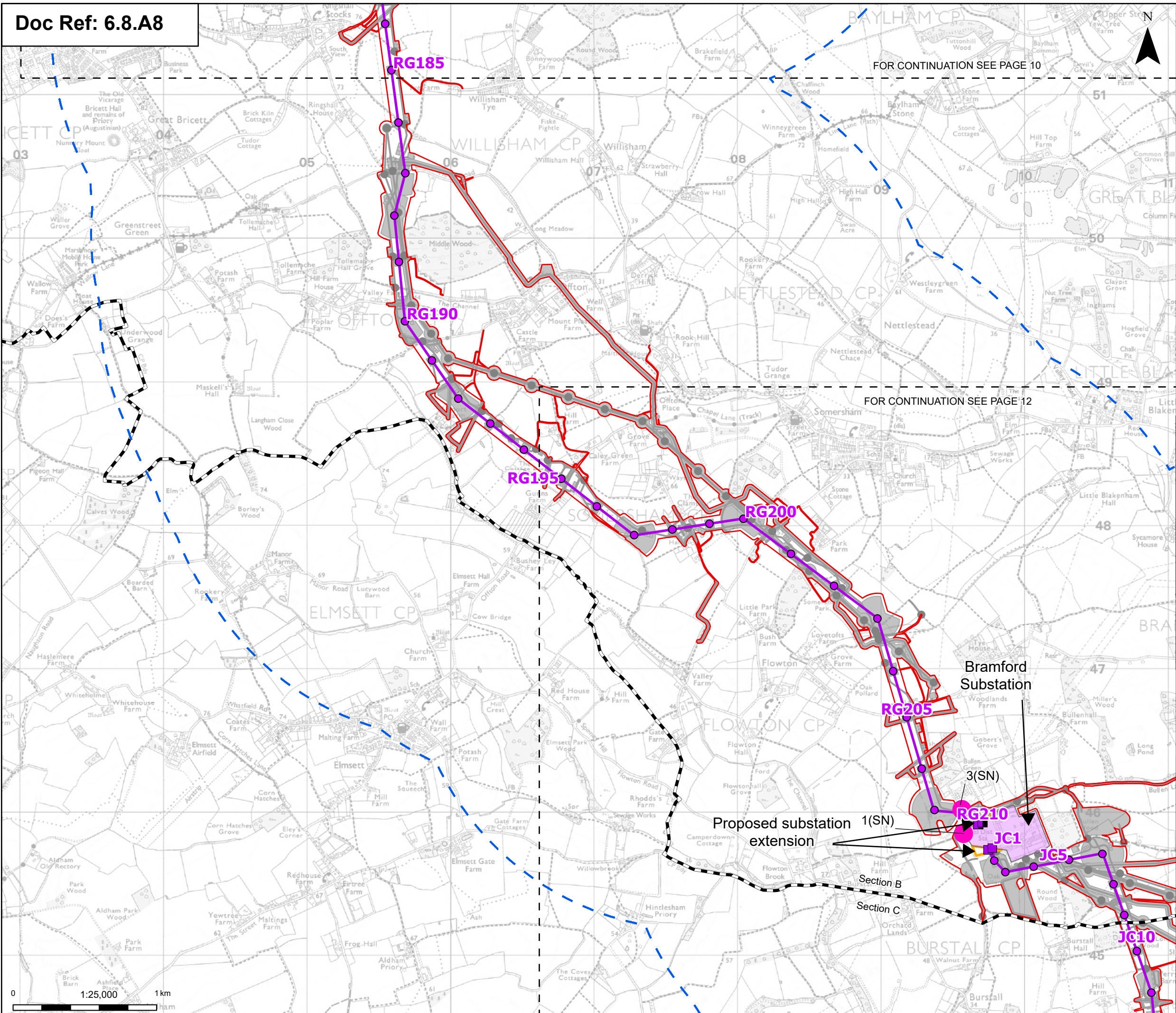
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
**Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 10 of 31**

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

Accepted as Concept Stage

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



Order limits

Sheet index outline

Project section line

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:

nationalgrid

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 11 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

Accepted as Concept Stage

Drawing Number:

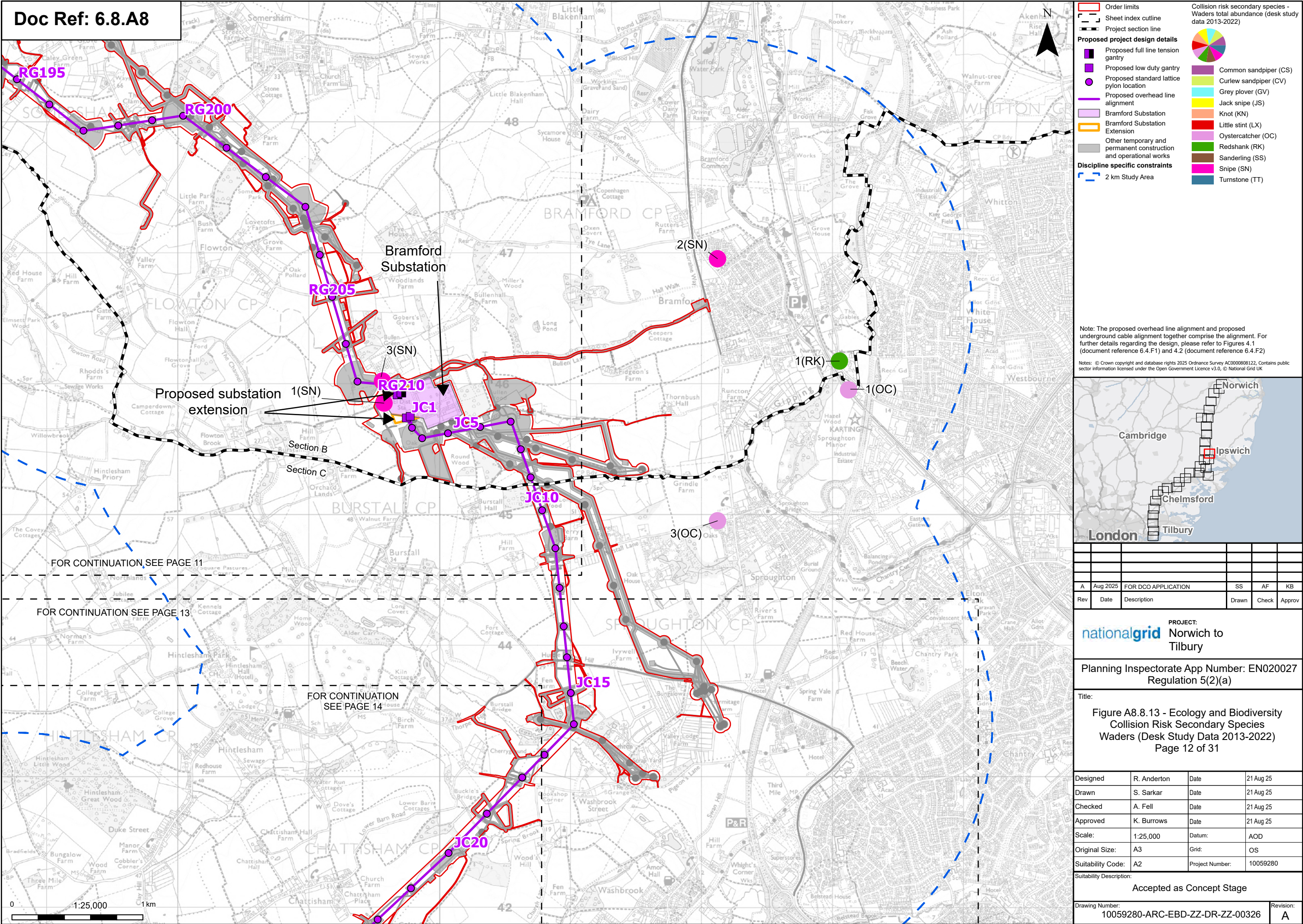
10059280-ARC-EBD-ZZ-DR-ZZ-00326

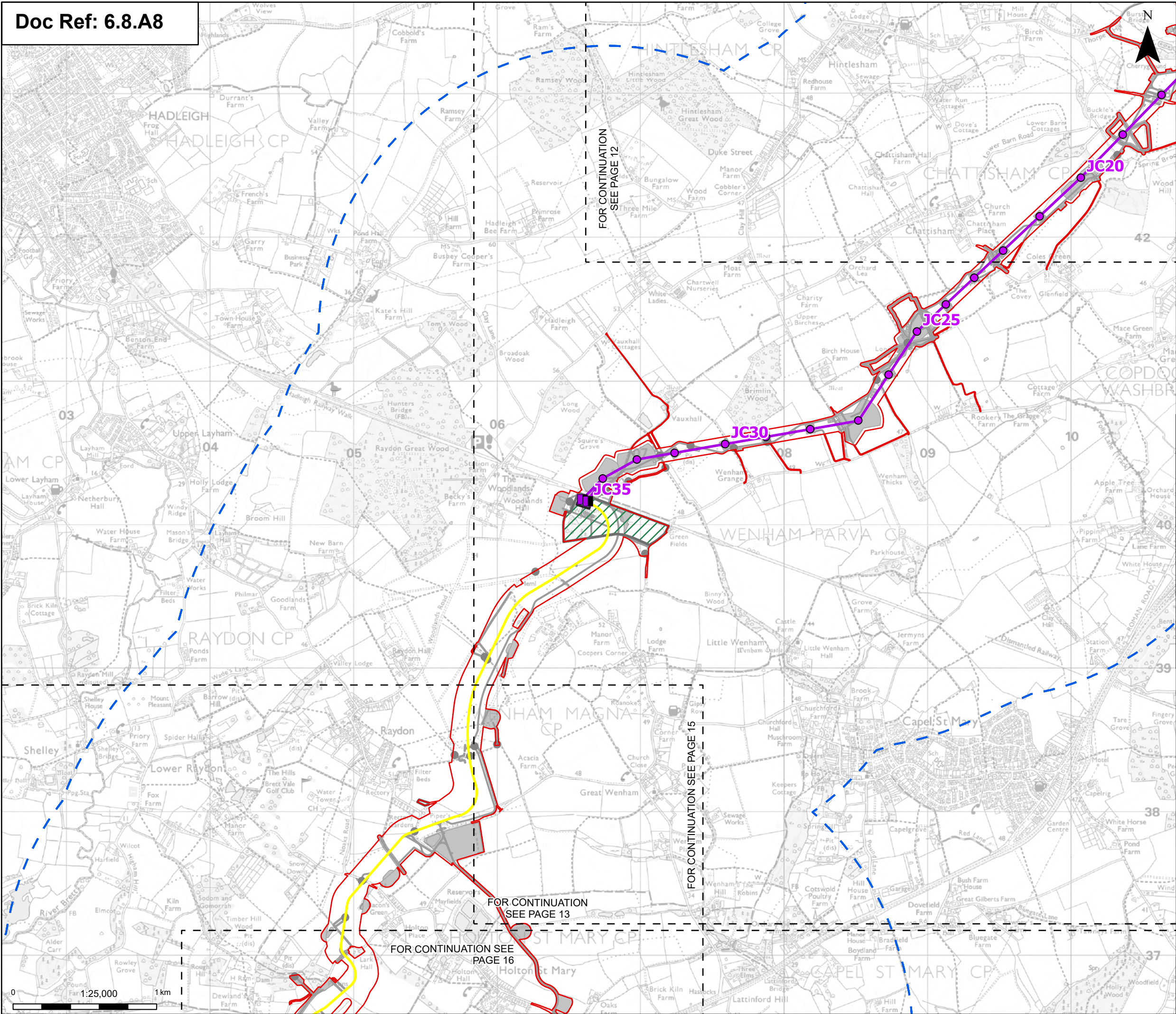
Revision:

A

Print Date: 08-15-25 12:47:30

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





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)

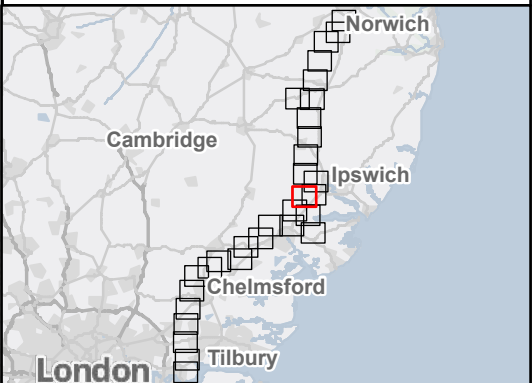
Sanderling (SS)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

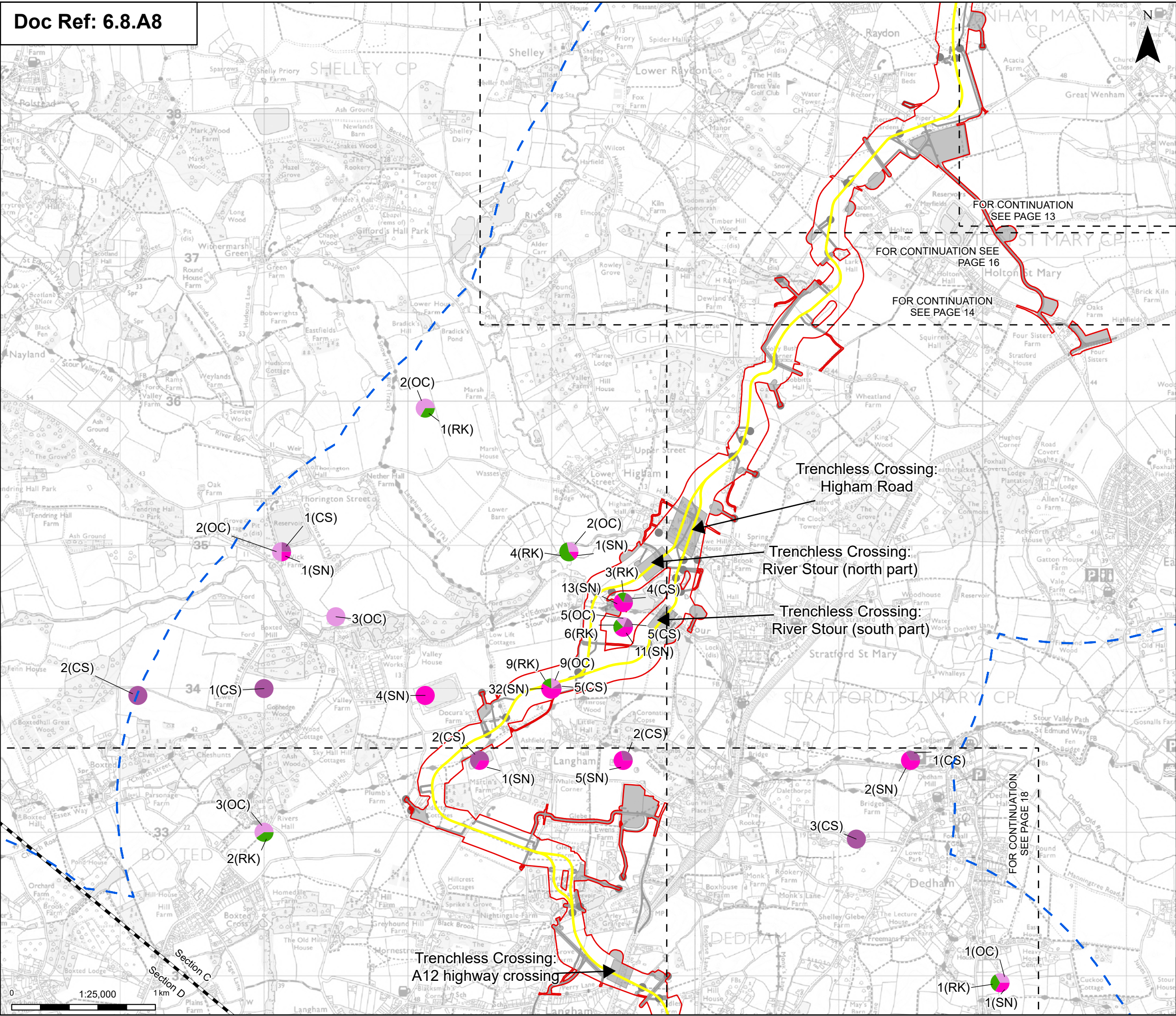
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 14 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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



Legend:

- 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Map of the East of England region showing the project location.

PROJECT: Norwich to Tilbury

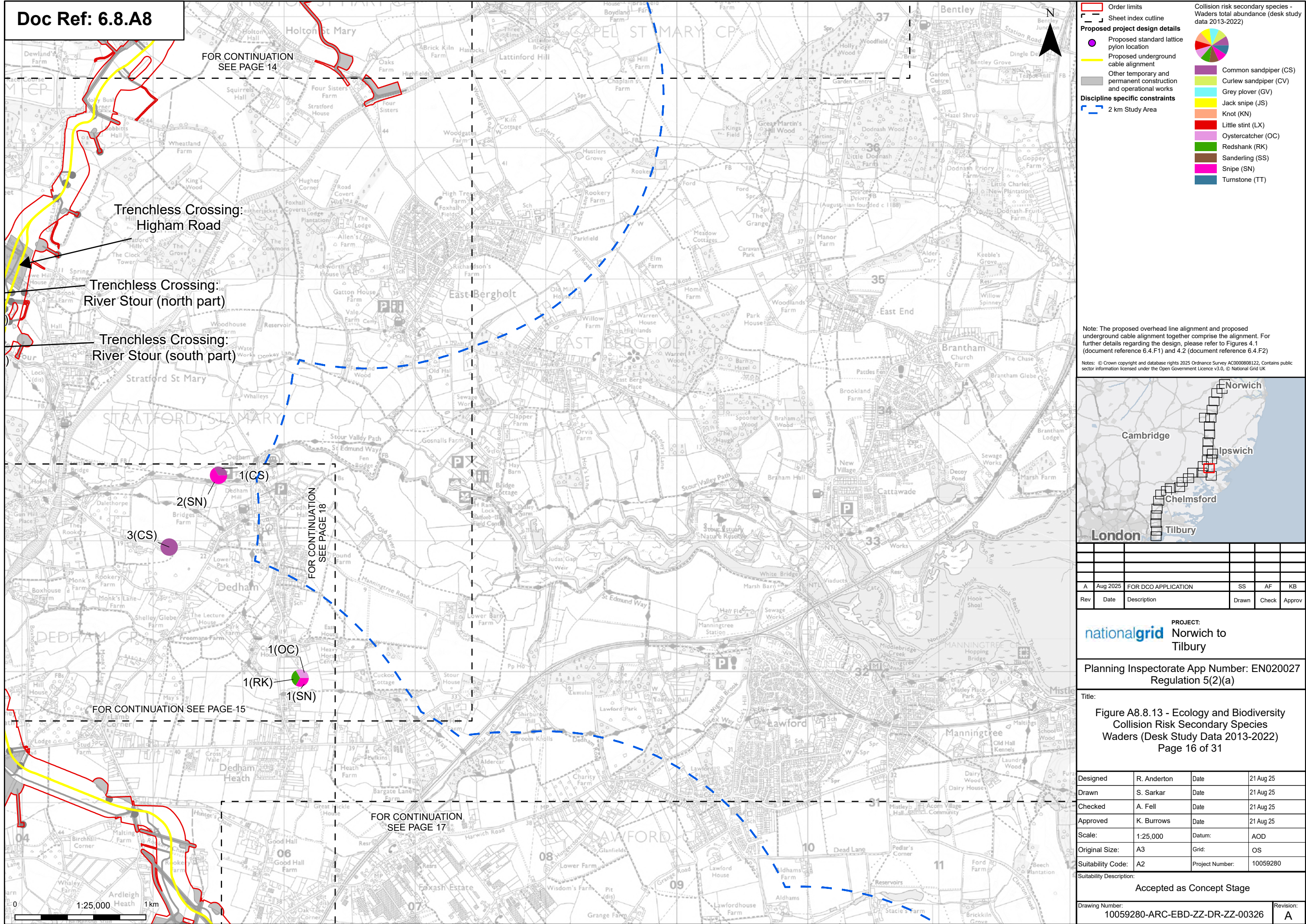
Planning Inspectorate App Number: EN020027 Regulation 5(2)(a)

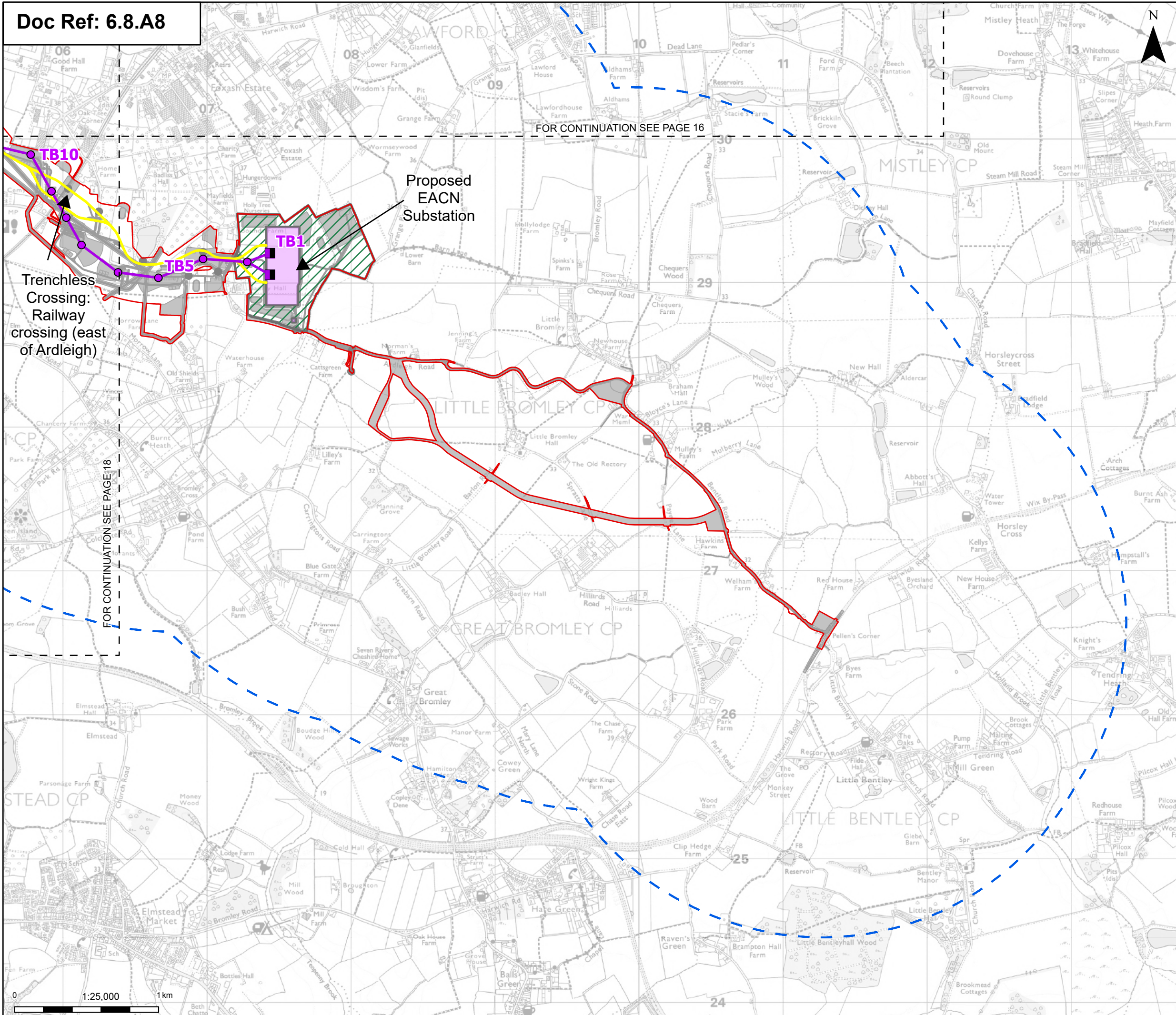
Title: Figure A8.8.13 - Ecology and Biodiversity Collision Risk Secondary Species Waders (Desk Study Data 2013-2022) Page 15 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			
Accepted as Concept Stage			
Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00326		Revision:
			A

Print Date: 08-15-25 12:47:58

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





Legend:

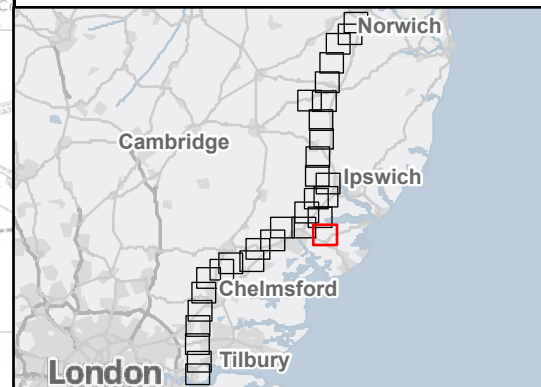
- Order limits
- Sheet index outline
- Proposed project design details**
 - Proposed full line tension gantry
 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Proposed underground cable alignment
 - Proposed DNO Substation
 - Proposed East Anglia Connection Node Substation (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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public information licensed under the Open Government Licence v2.0. © National Grid UK.



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

PROJECT:
Norwich to
Tilbury

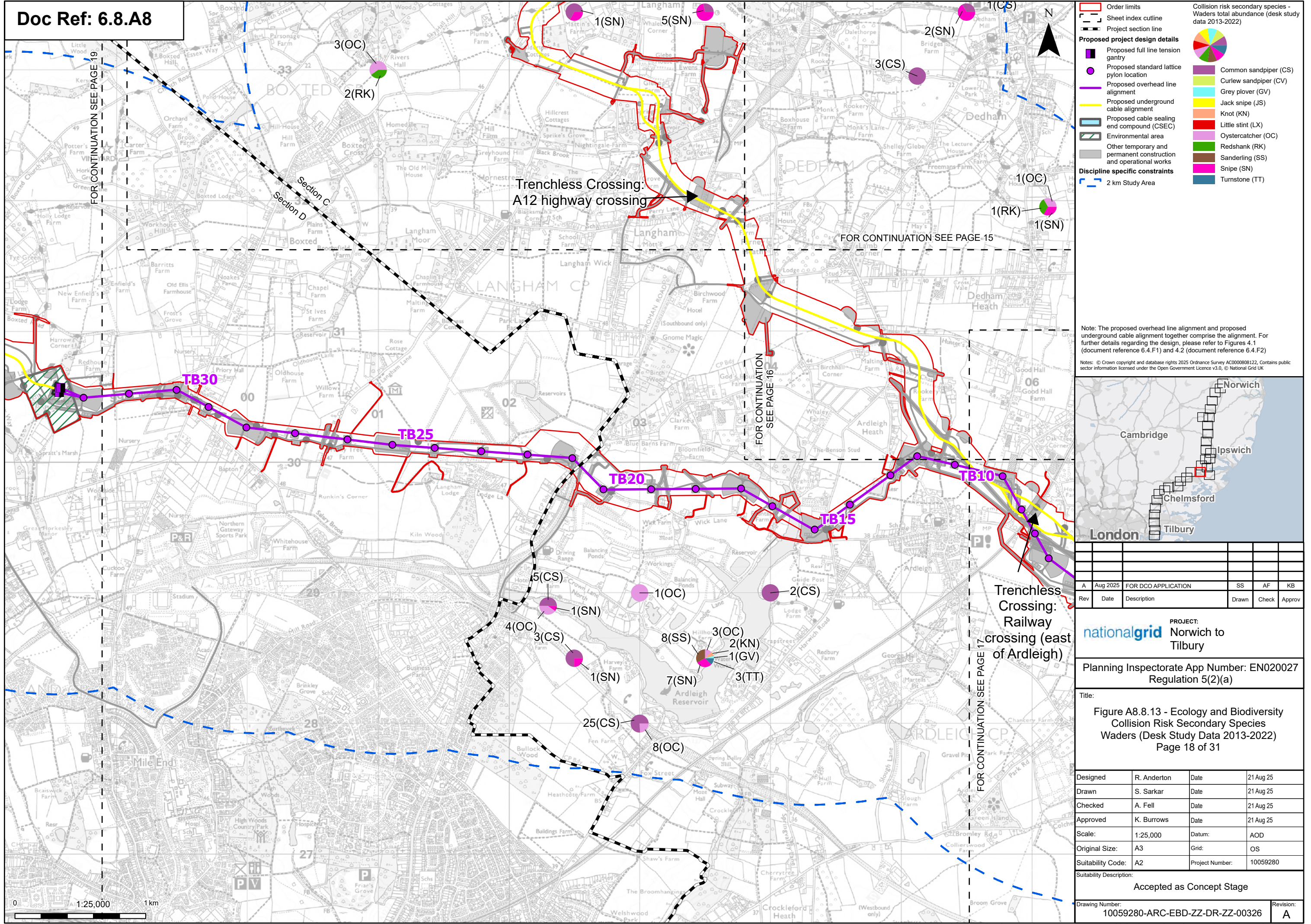
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

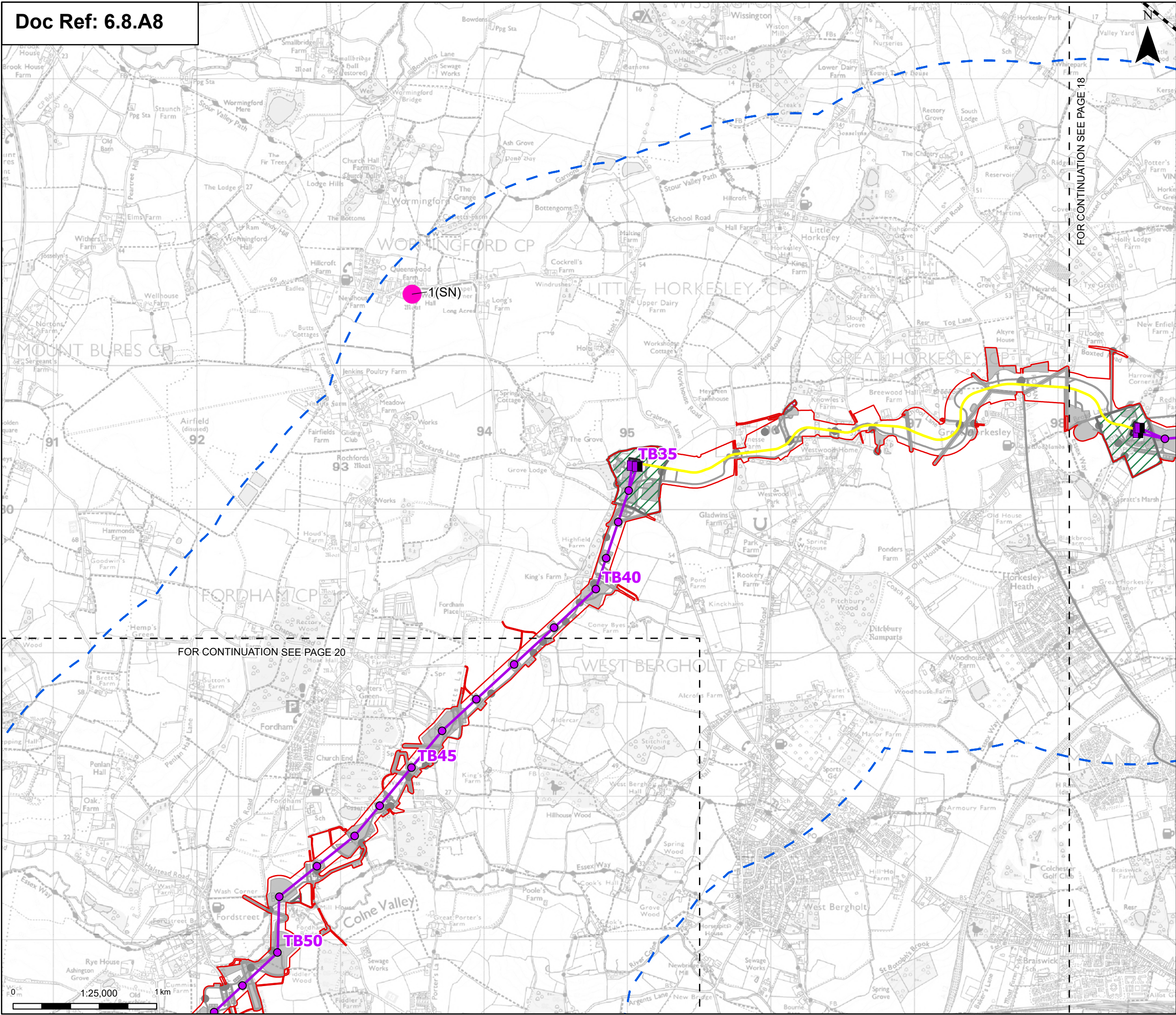
Title: Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 17 of 31

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

Accepted as Concept Stage

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





Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000608122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

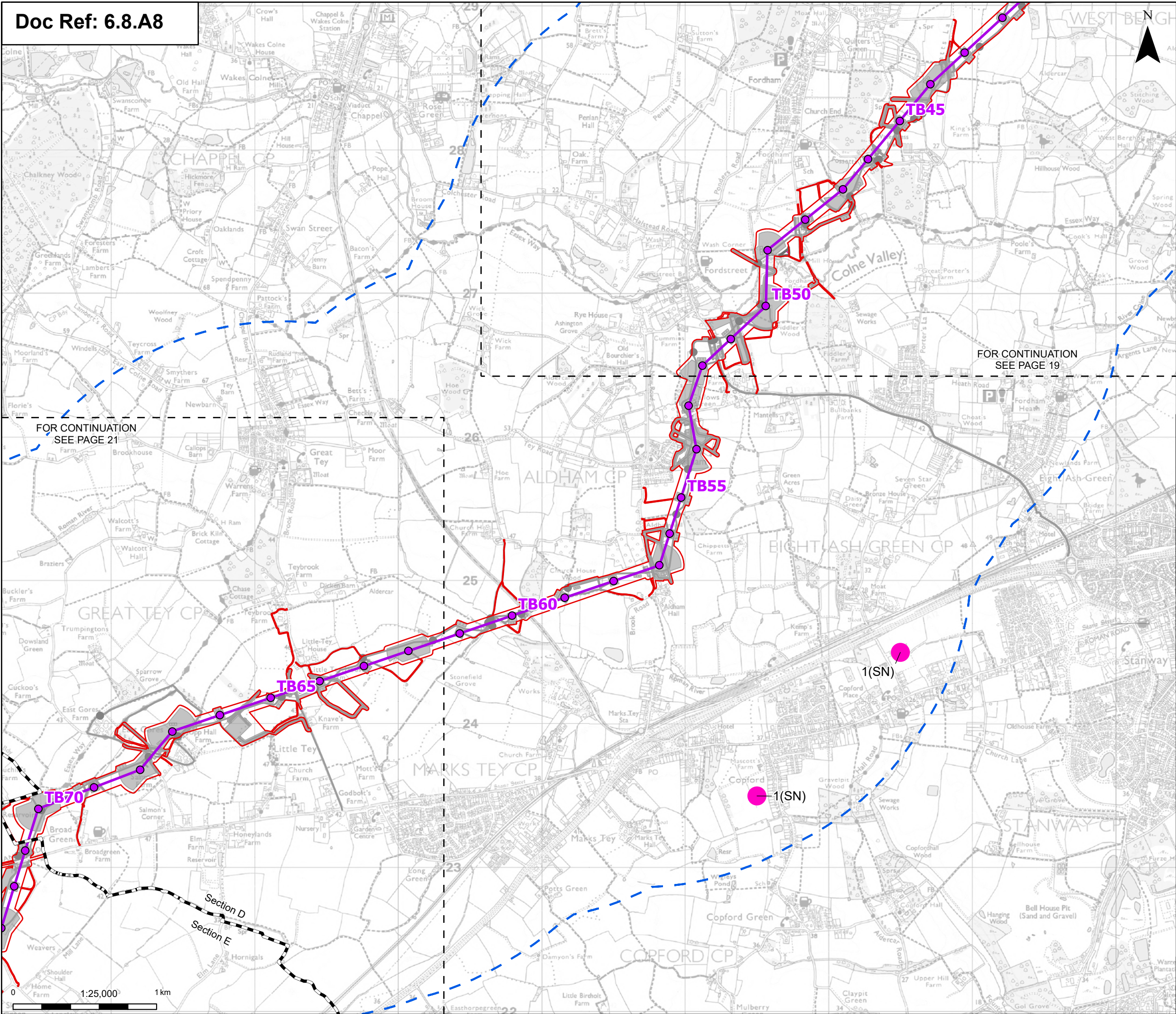
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 19 of 31

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

Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:48:27 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index outline

Project section line

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

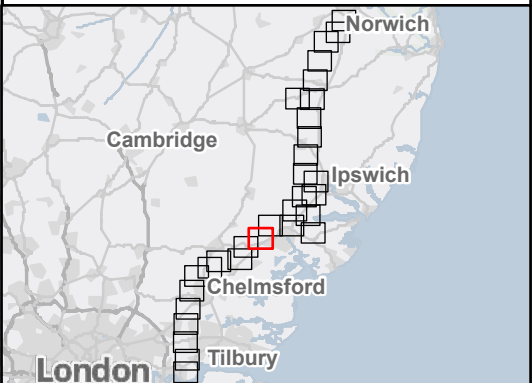
Snipe (SN)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000608122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

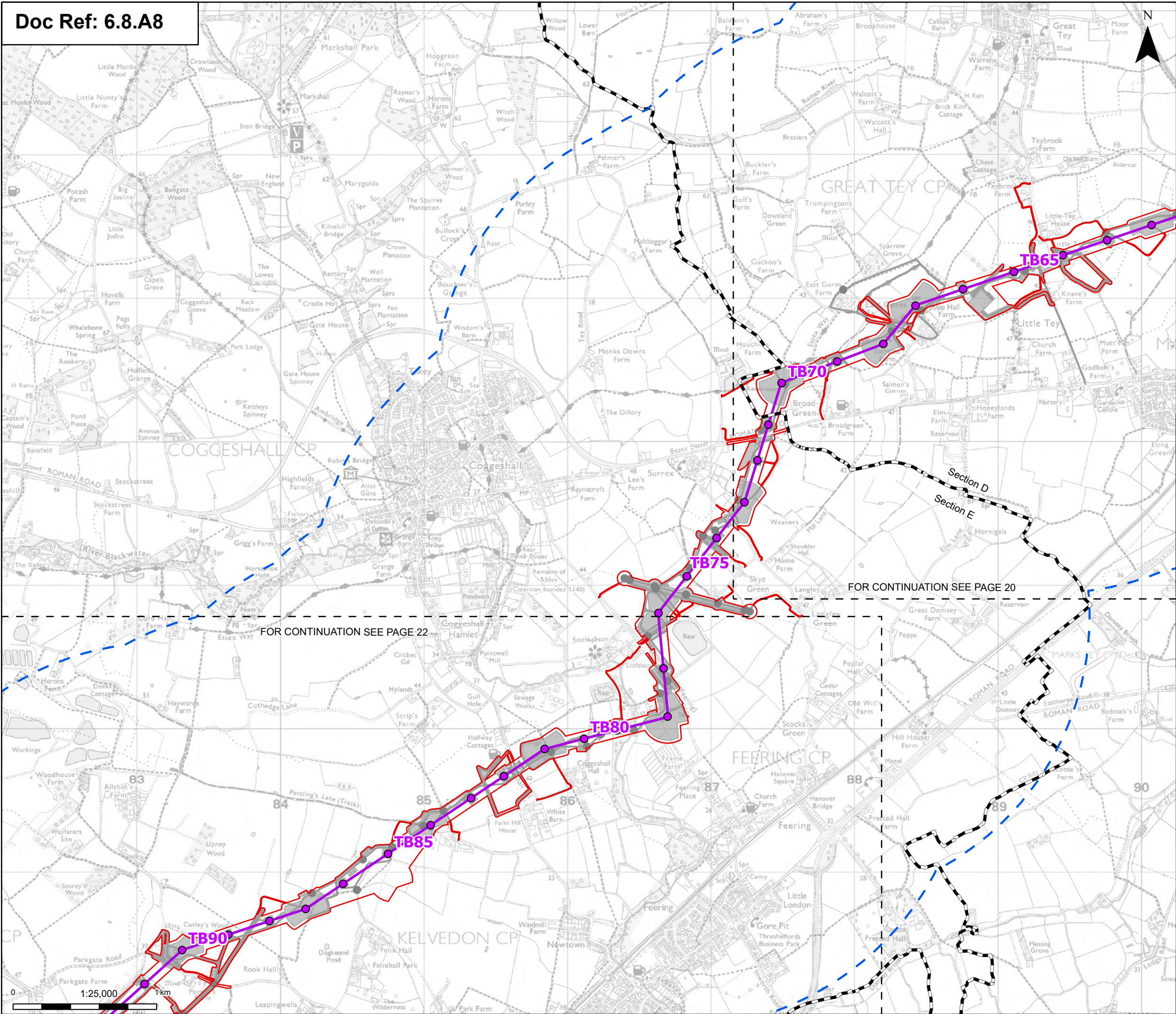
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 20 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

Accepted as Concept Stage

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



Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed 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)

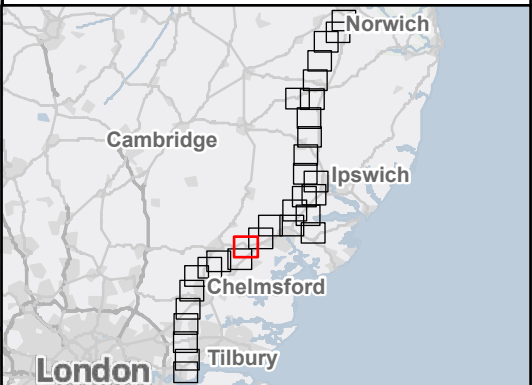
Sanderling (SS)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

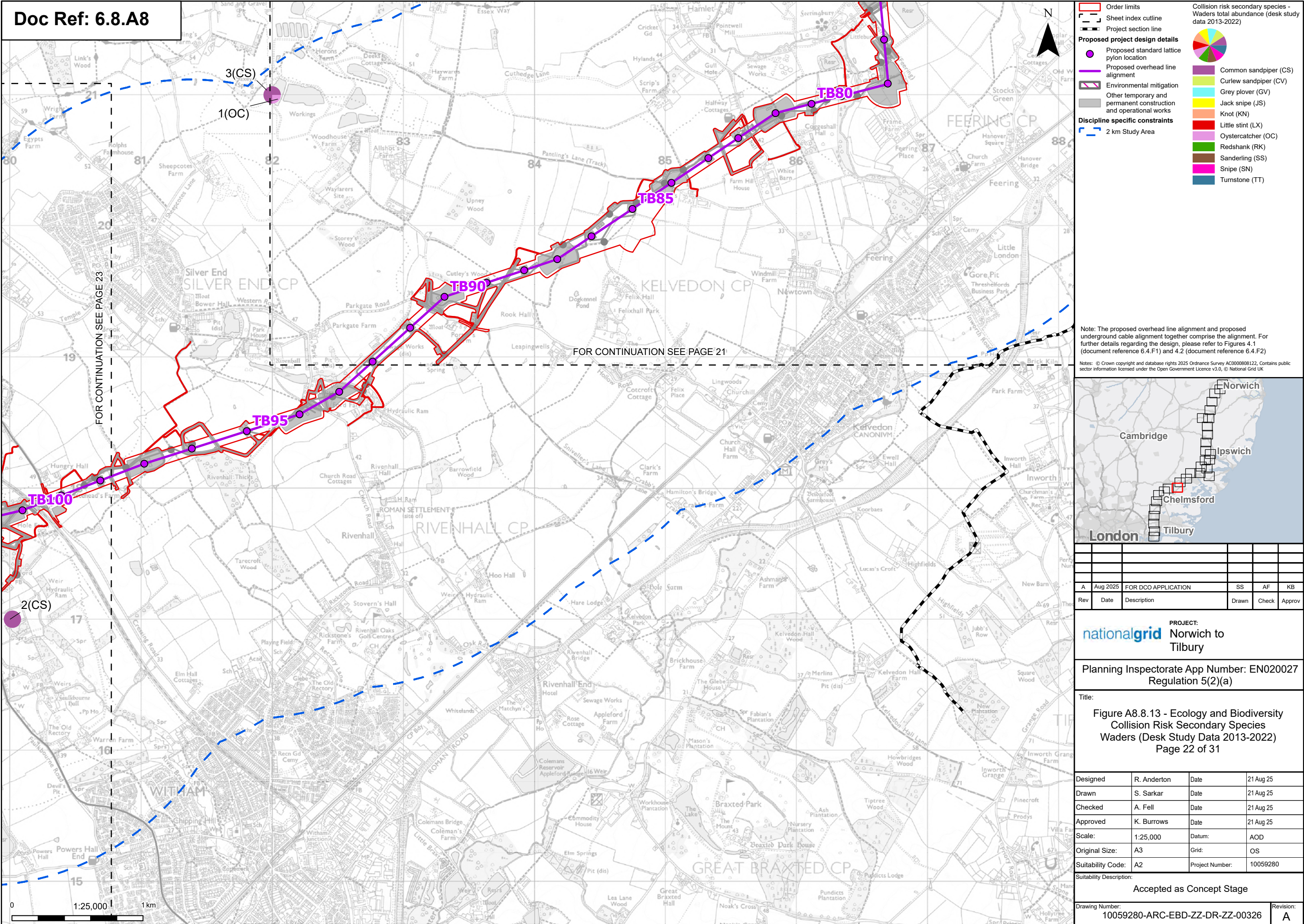
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

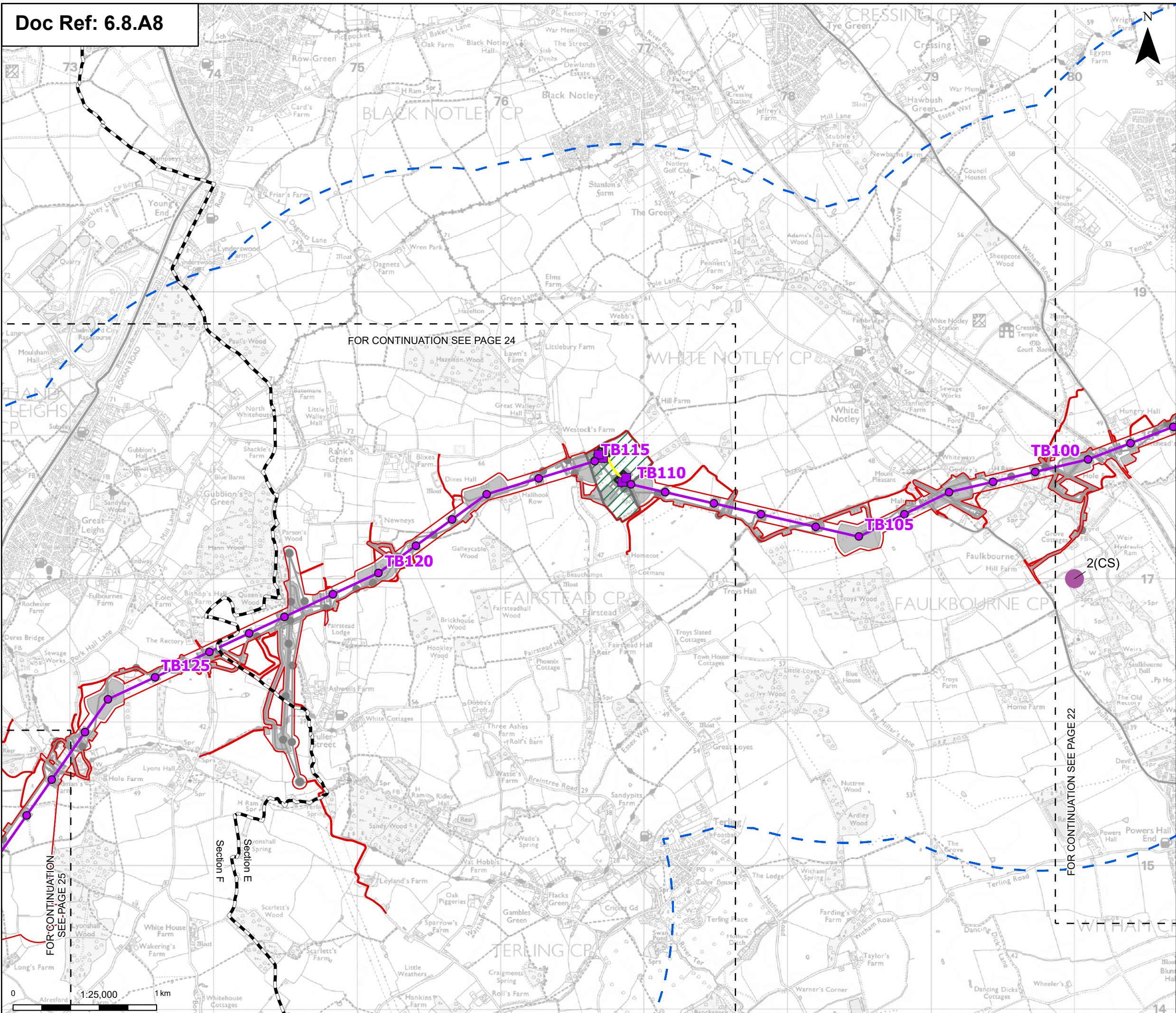
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 21 of 31

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

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





Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed low duty gantry

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)

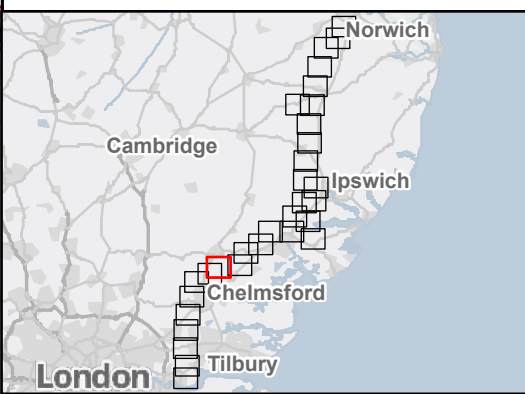
Sanderling (SS)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

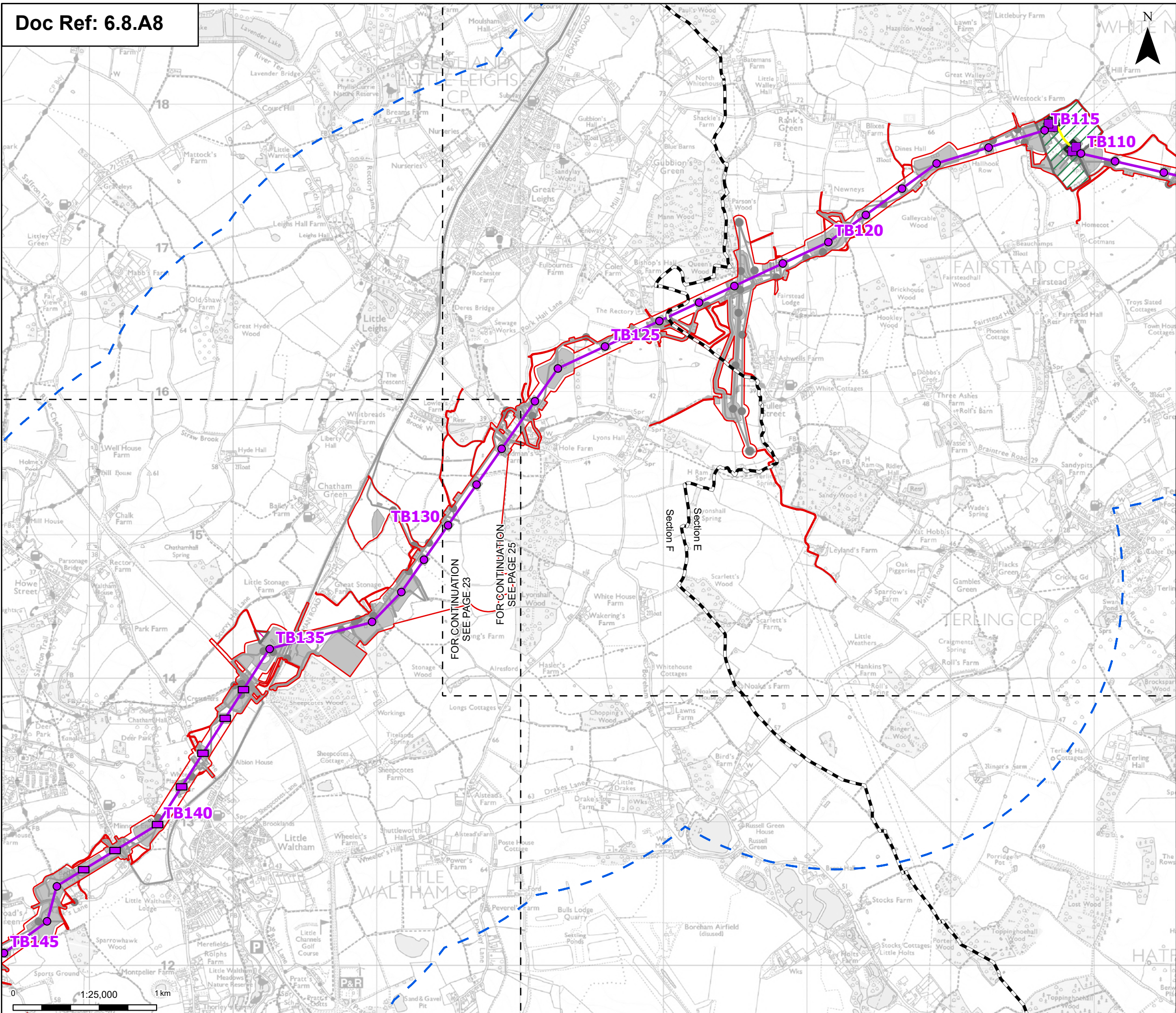
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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



Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed low duty gantry location

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

Snipe (SN)

Turnstone (TT)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:

nationalgrid

Norwich to Tilbury

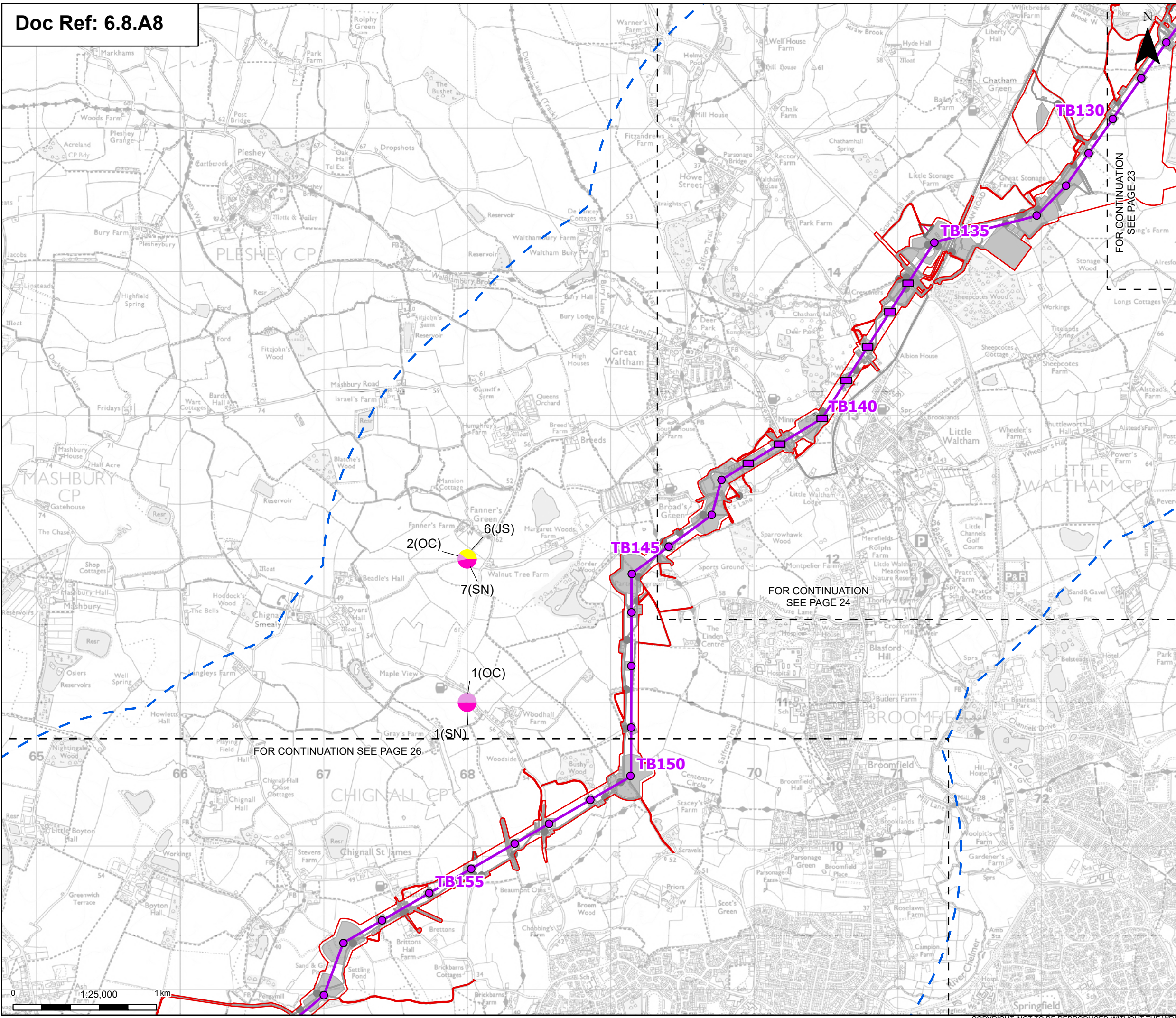
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 24 of 31

Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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 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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

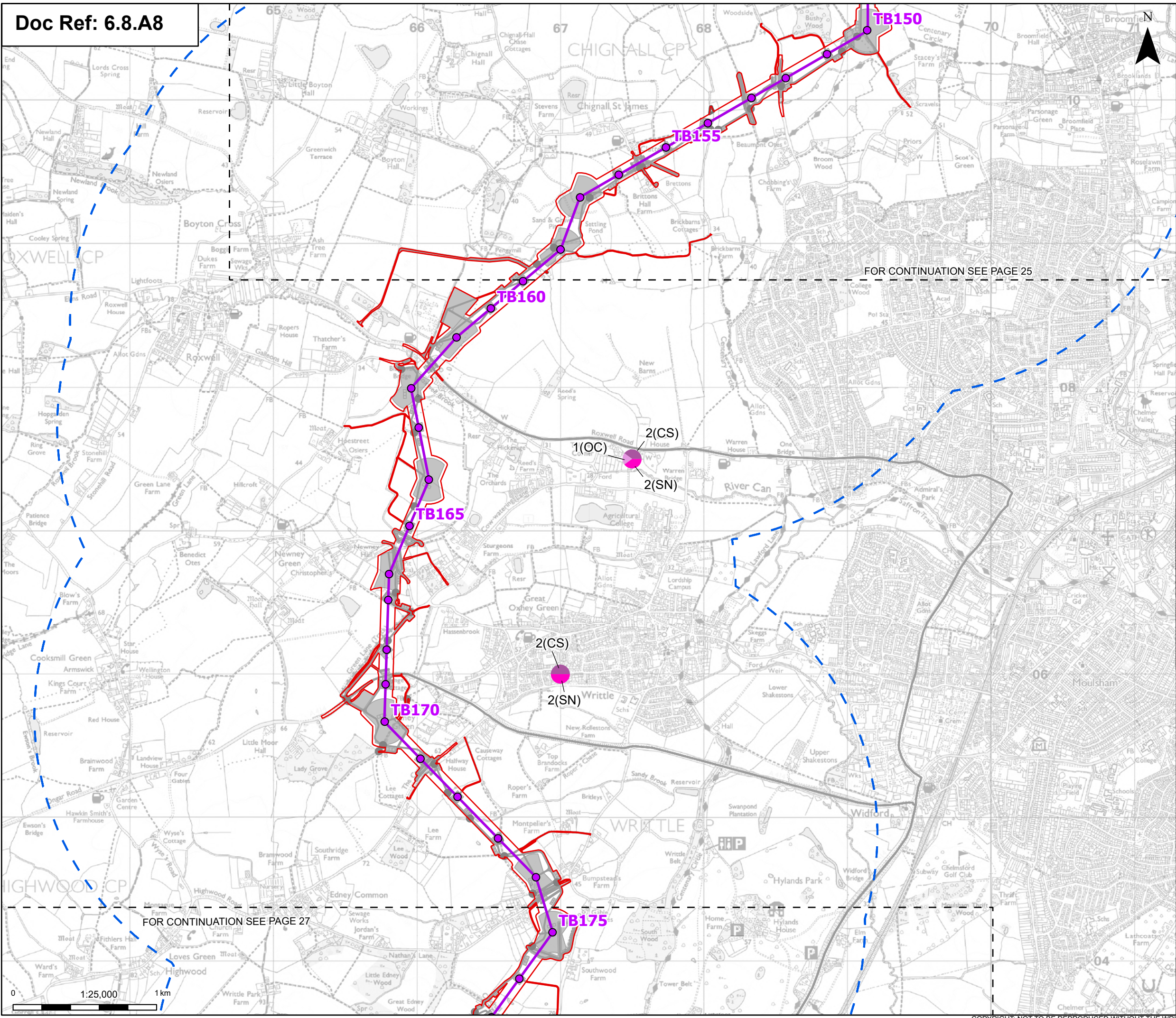
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 25 of 31

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

Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:49:10 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

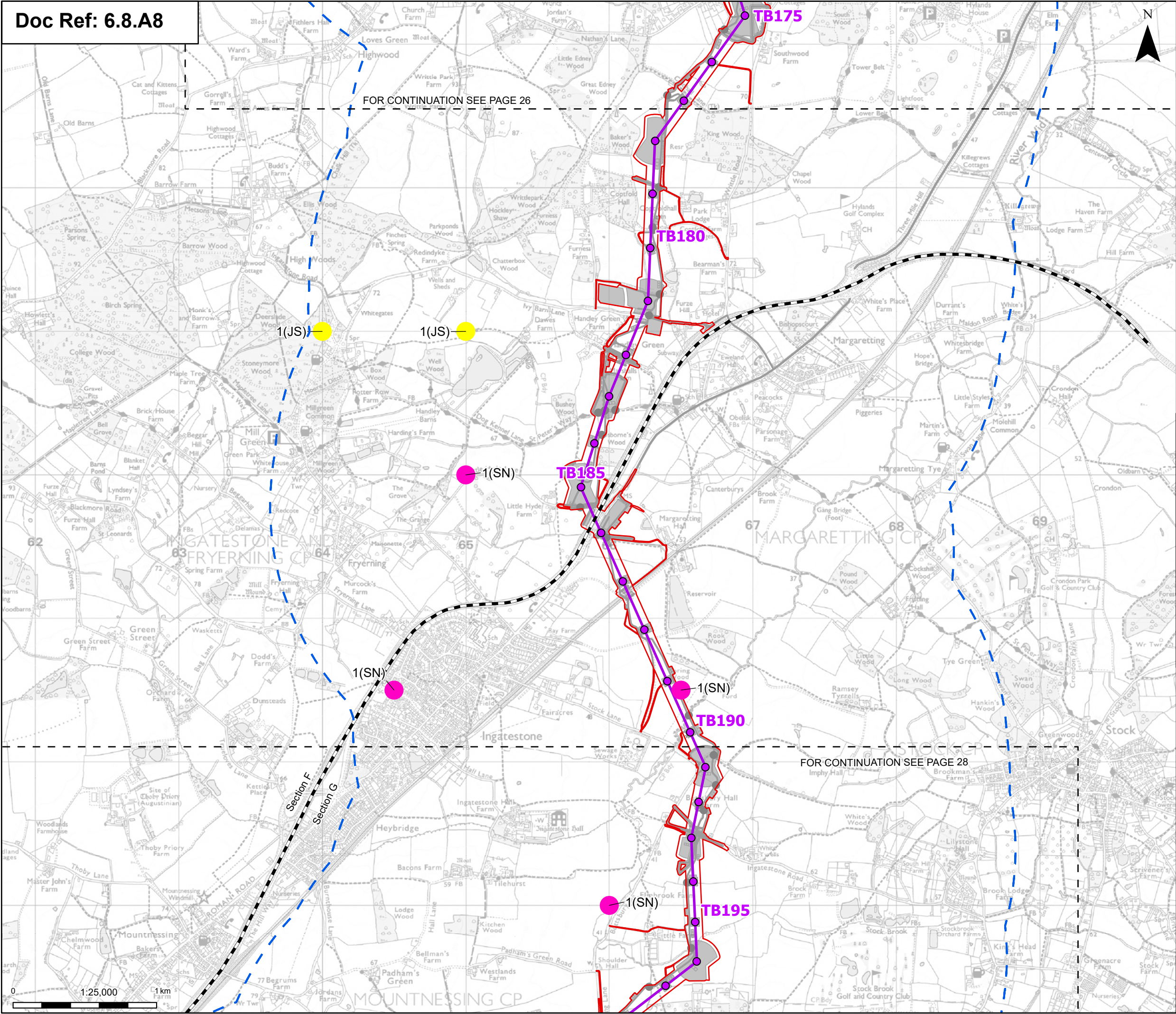
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 26 of 31

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

Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:49:20 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

nationalgrid

PROJECT:

Norwich to Tilbury

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

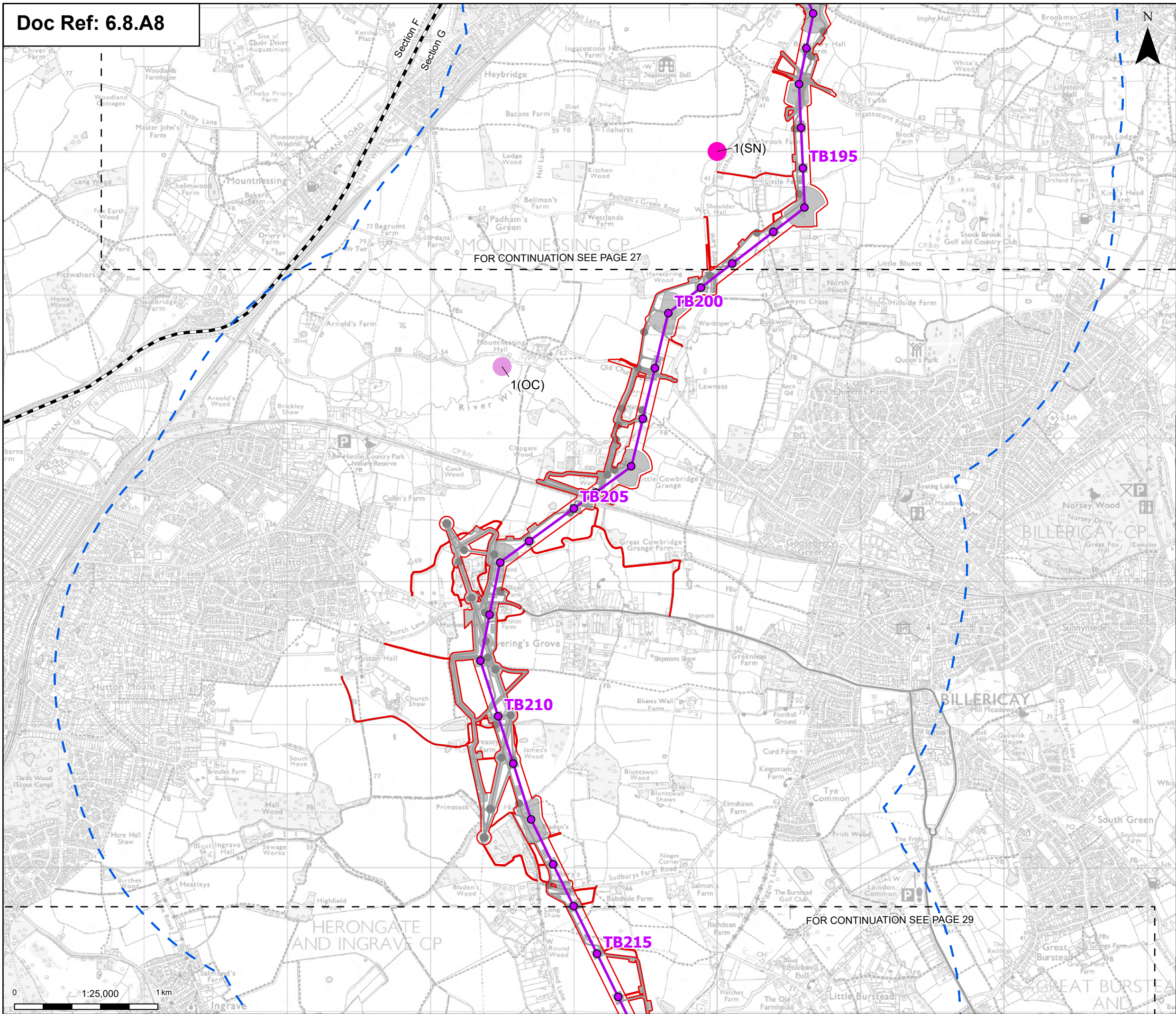
Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 27 of 31

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

Suitability Description:
Accepted as Concept Stage

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

Print Date: 08-15-25 12:49:28 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:
nationalgrid Norwich to Tilbury

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

Title:
Figure A8.8.13 - Ecology and Biodiversity
Collision Risk Secondary Species
Waders (Desk Study Data 2013-2022)
Page 28 of 31

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

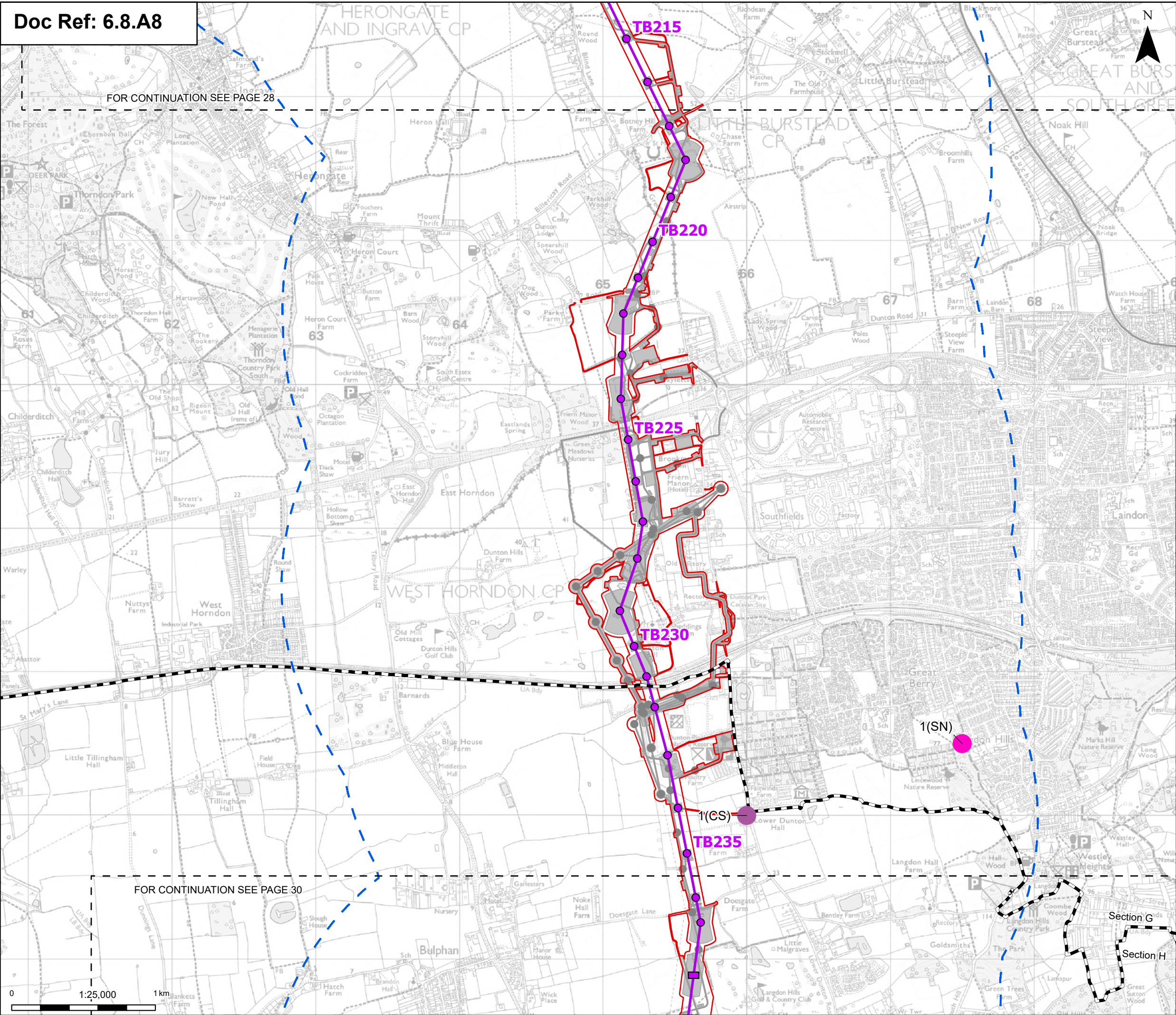
Accepted as Concept Stage

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

Print Date: 08-15-25 12:49:38 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC

FOR CONTINUATION SEE PAGE 28

FOR CONTINUATION SEE PAGE 30



Order limits

Sheet index outline

Project section line

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Common sandpiper (CS)

Curlew sandpiper (CV)

Grey plover (GV)

Jack snipe (JS)

Knot (KN)

Little stint (LX)

Oystercatcher (OC)

Redshank (RK)

Sanderling (SS)

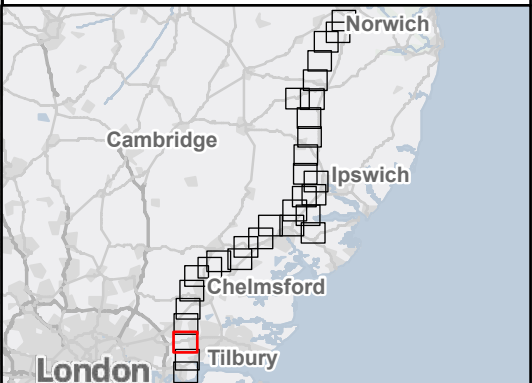
Snipe (SN)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT: **nationalgrid** Norwich to Tilbury

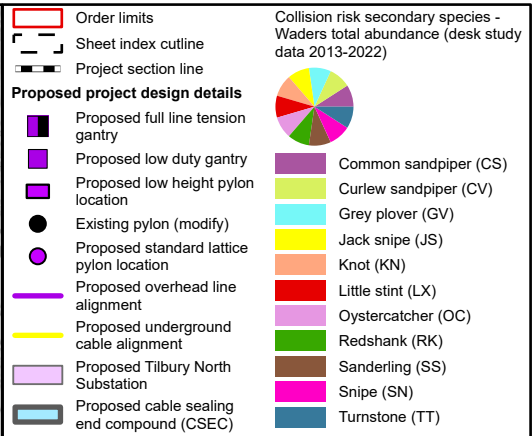
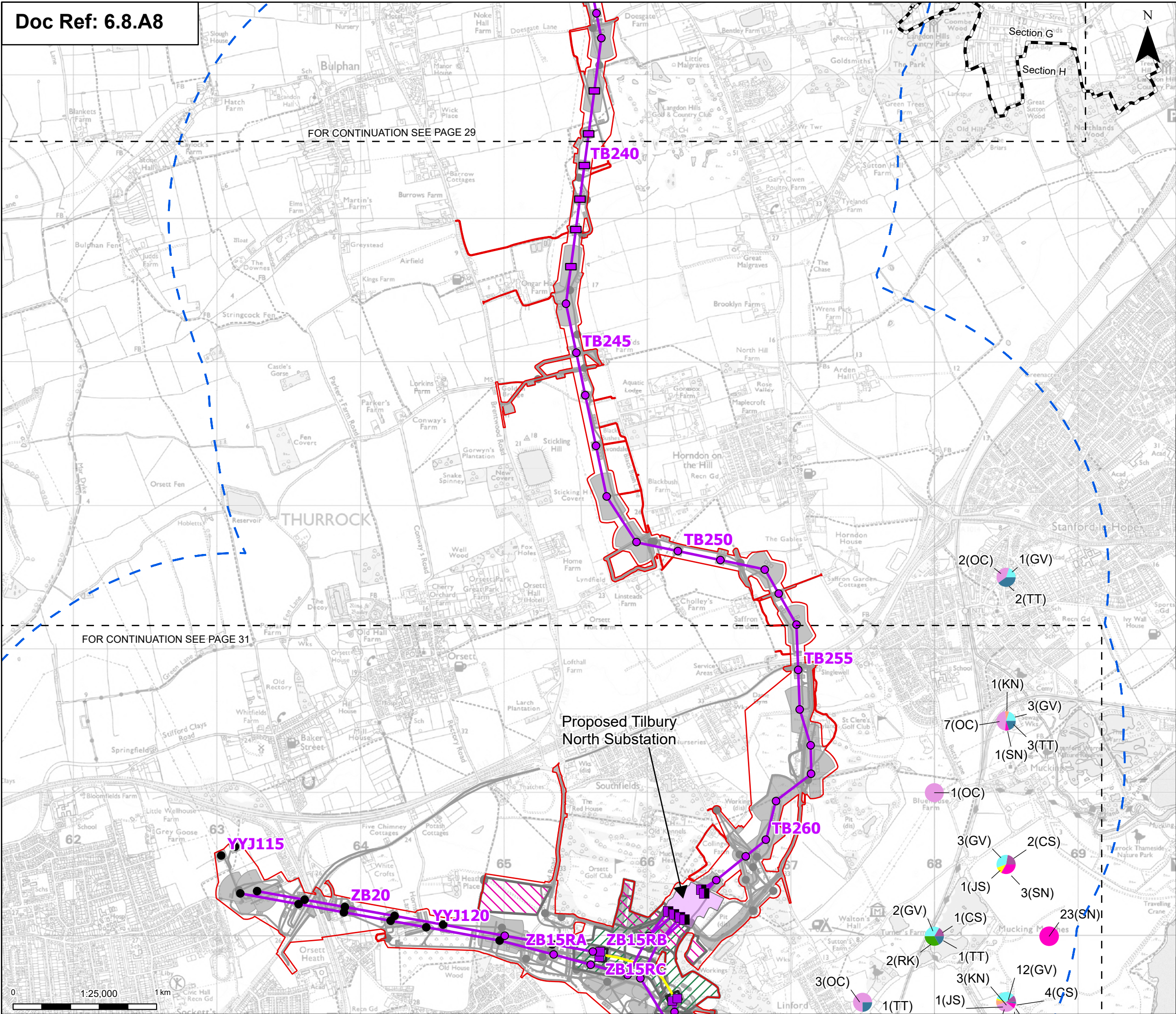
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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

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

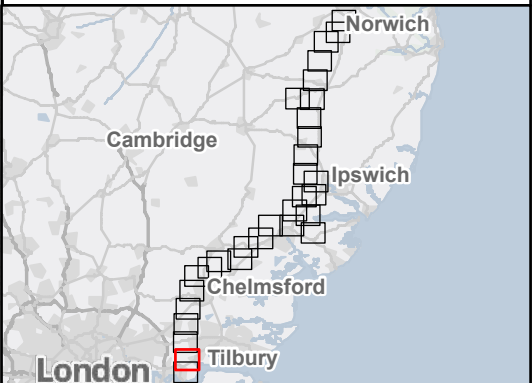
Accepted as Concept Stage

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



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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT: Norwich to Tilbury

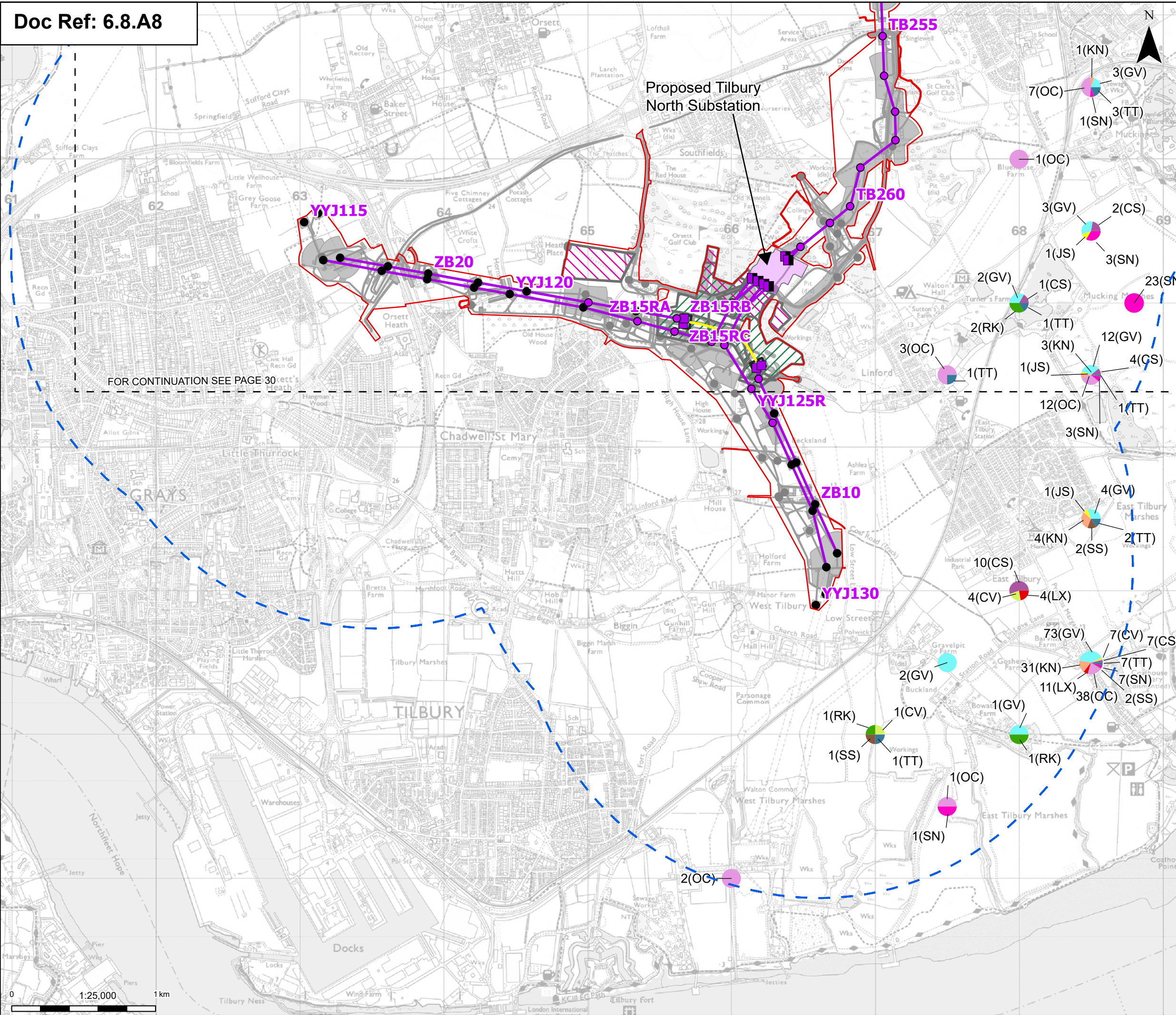
Planning Inspectorate App Number: EN020027 Regulation 5(2)(a)

Title: Figure A8.8.13 - Ecology and Biodiversity Collision Risk Secondary Species Waders (Desk Study Data 2013-2022) Page 30 of 31

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

Accepted as Concept Stage

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



Order limits

Sheet index outline

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 - 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)

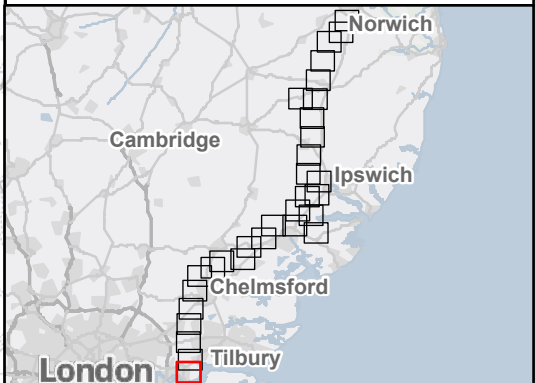
Sanderling (SS)

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)

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:
nationalgrid Norwich to Tilbury

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

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

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

Suitability Description:
Accepted as Concept Stage

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

National Grid plc
National Grid House,
Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

Registered in England and Wales
No. 4031152
nationalgrid.com