

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 4 of 4

Final Issue B

July 2026

Planning Inspectorate Reference: EN020027

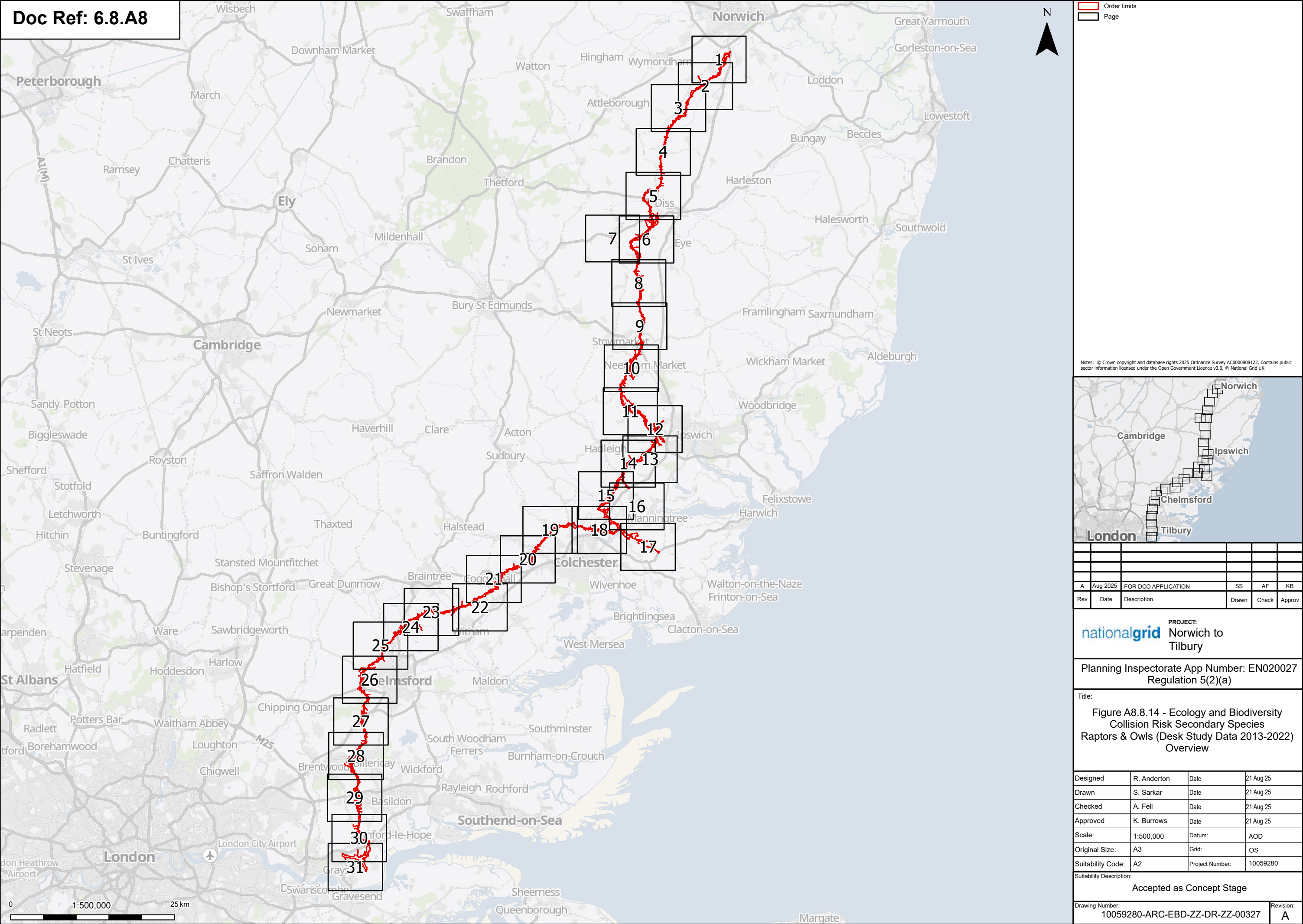
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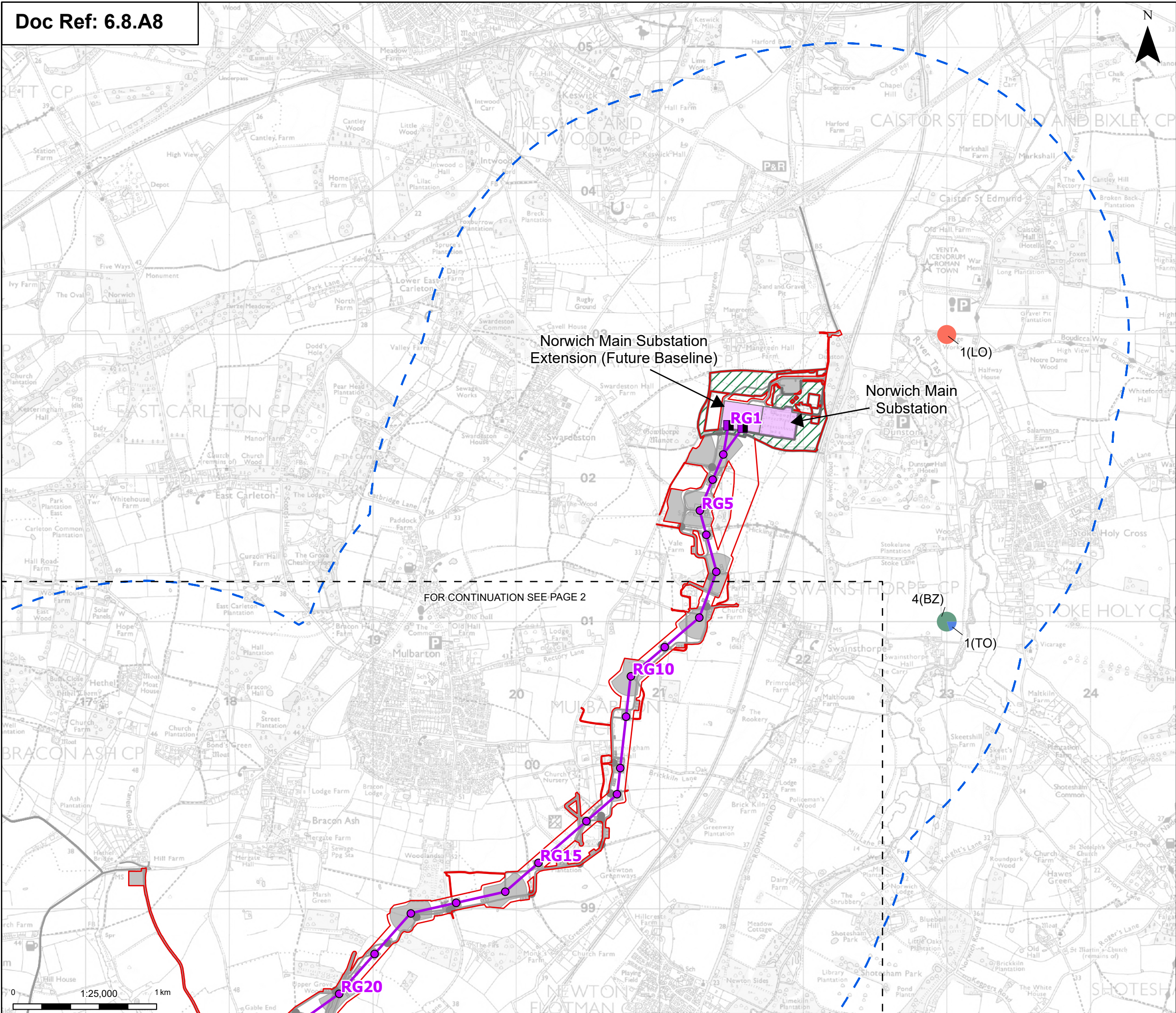
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Appendix A.

Figures

See parts 2 to 4





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2 km Study Area

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

Buzzard (BZ)

Kestrel (K)

Little owl (LO)

Sparrowhawk (SH)

Tawny owl (TO)

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

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Norwich to Tilbury

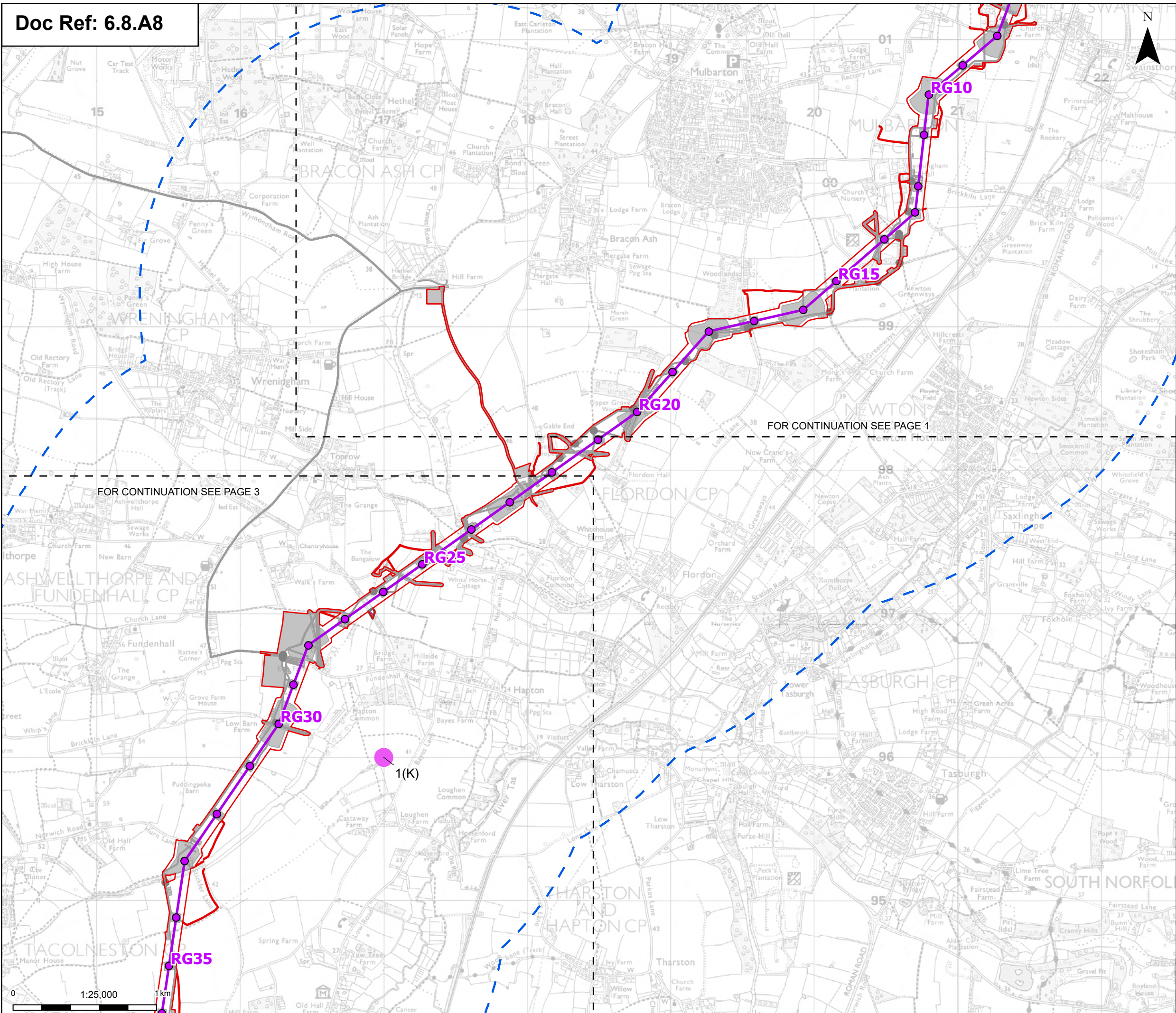
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Regulation 5(2)(a)

Title:
Figure A8.8.14 - Ecology and Biodiversity
Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00327	Revision: A
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2 km Study Area

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

Buzzard (BZ)

Kestrel (K)

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

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PROJECT:
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Title:
Figure A8.8.14 - Ecology and Biodiversity
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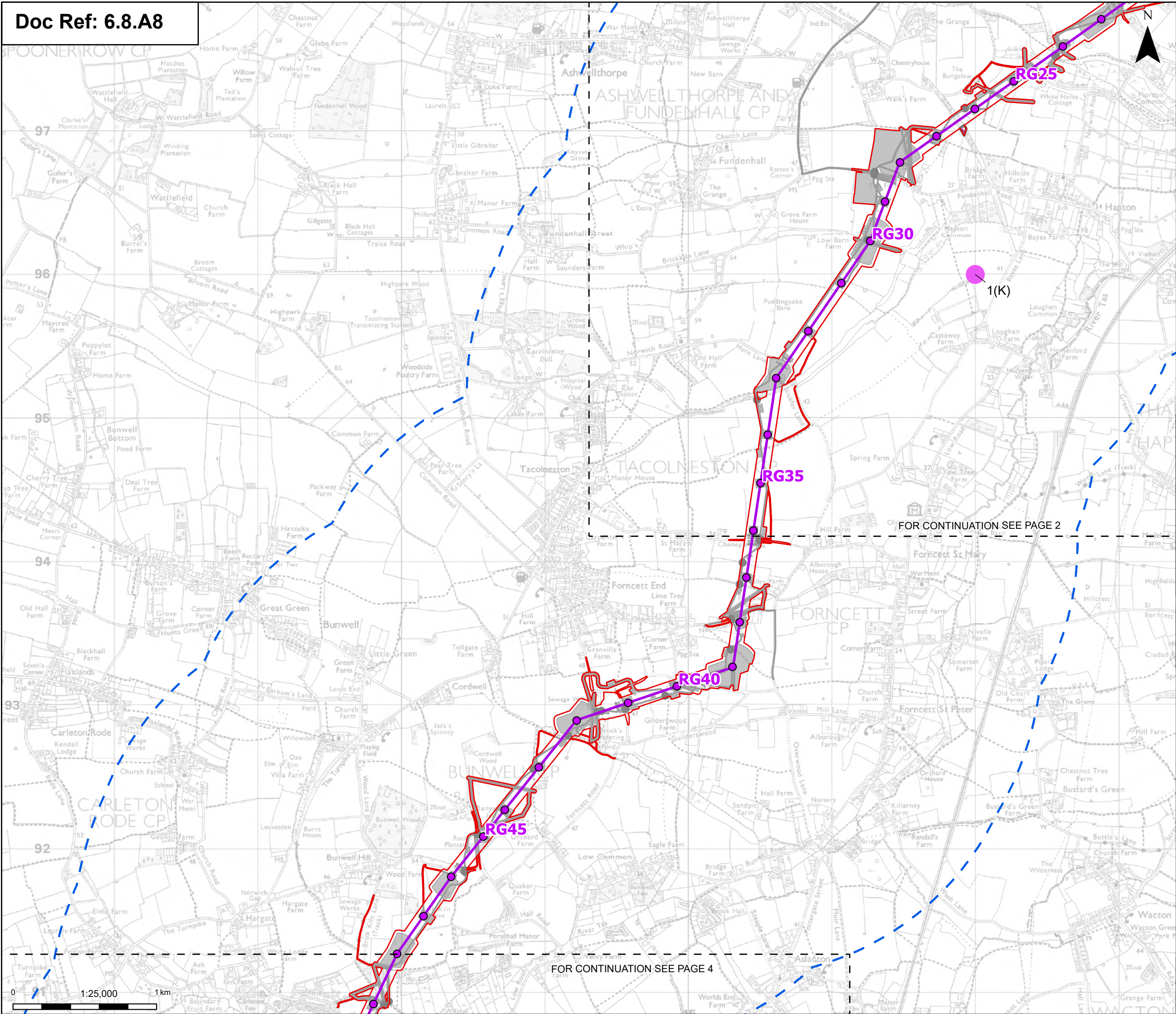
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Buzzard (BZ)

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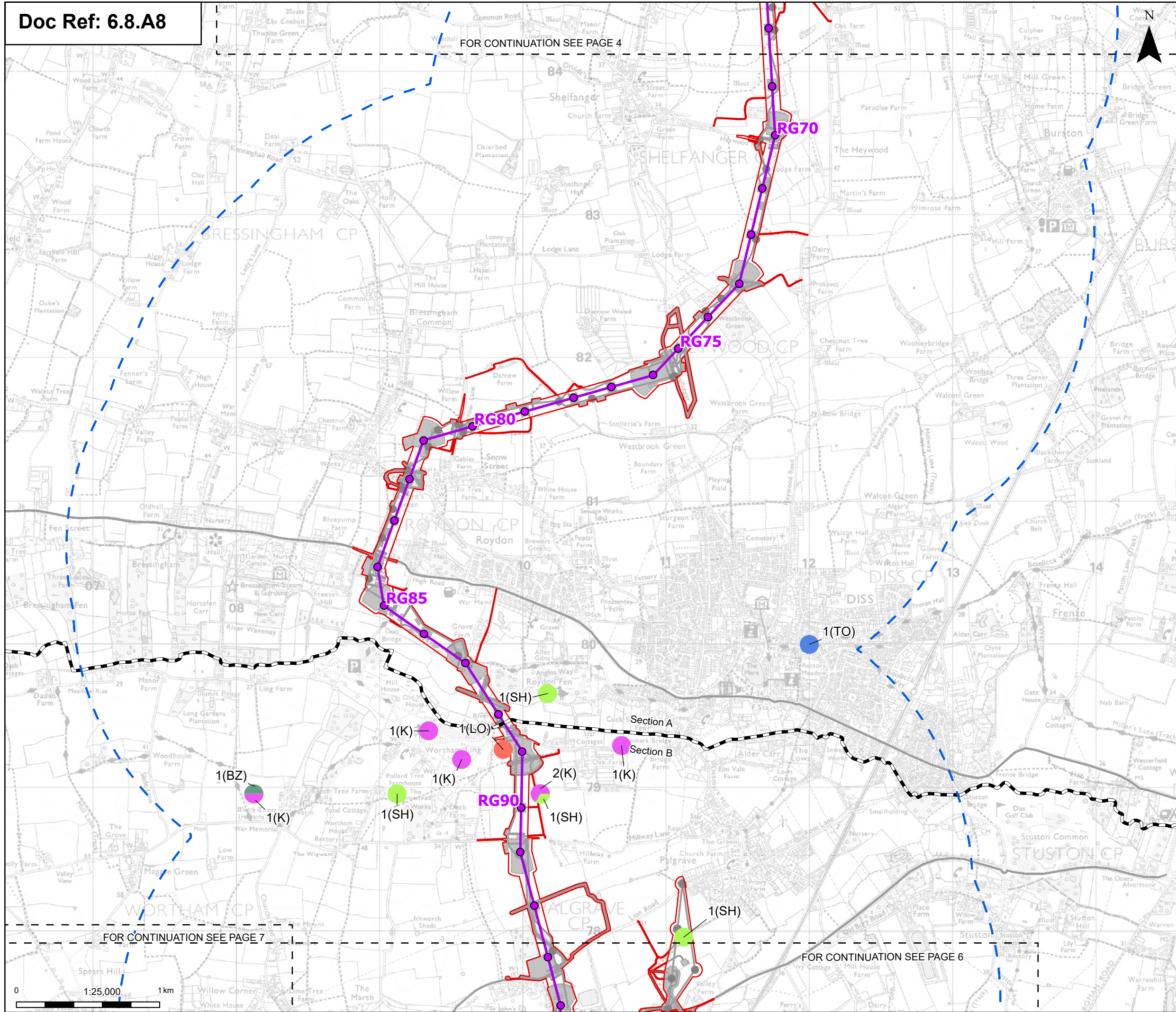
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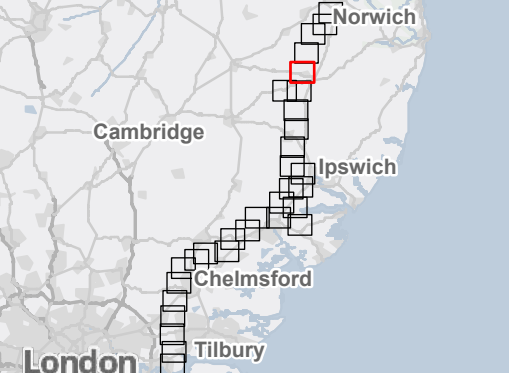
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- Buzzard (BZ)
- Kestrel (K)
- Little owl (LO)
- Sparrowhawk (SH)
- Tawny owl (TO)

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

Buzzard (BZ)

Kestrel (K)

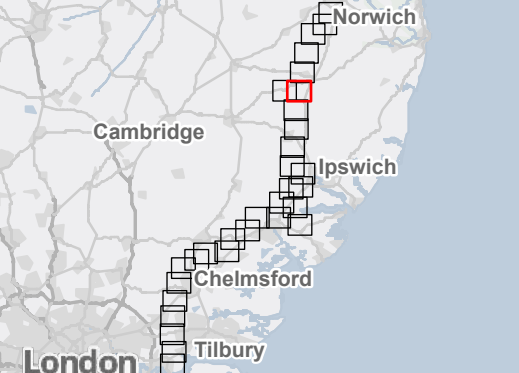
Little owl (LO)

Sparrowhawk (SH)

Tawny owl (TO)

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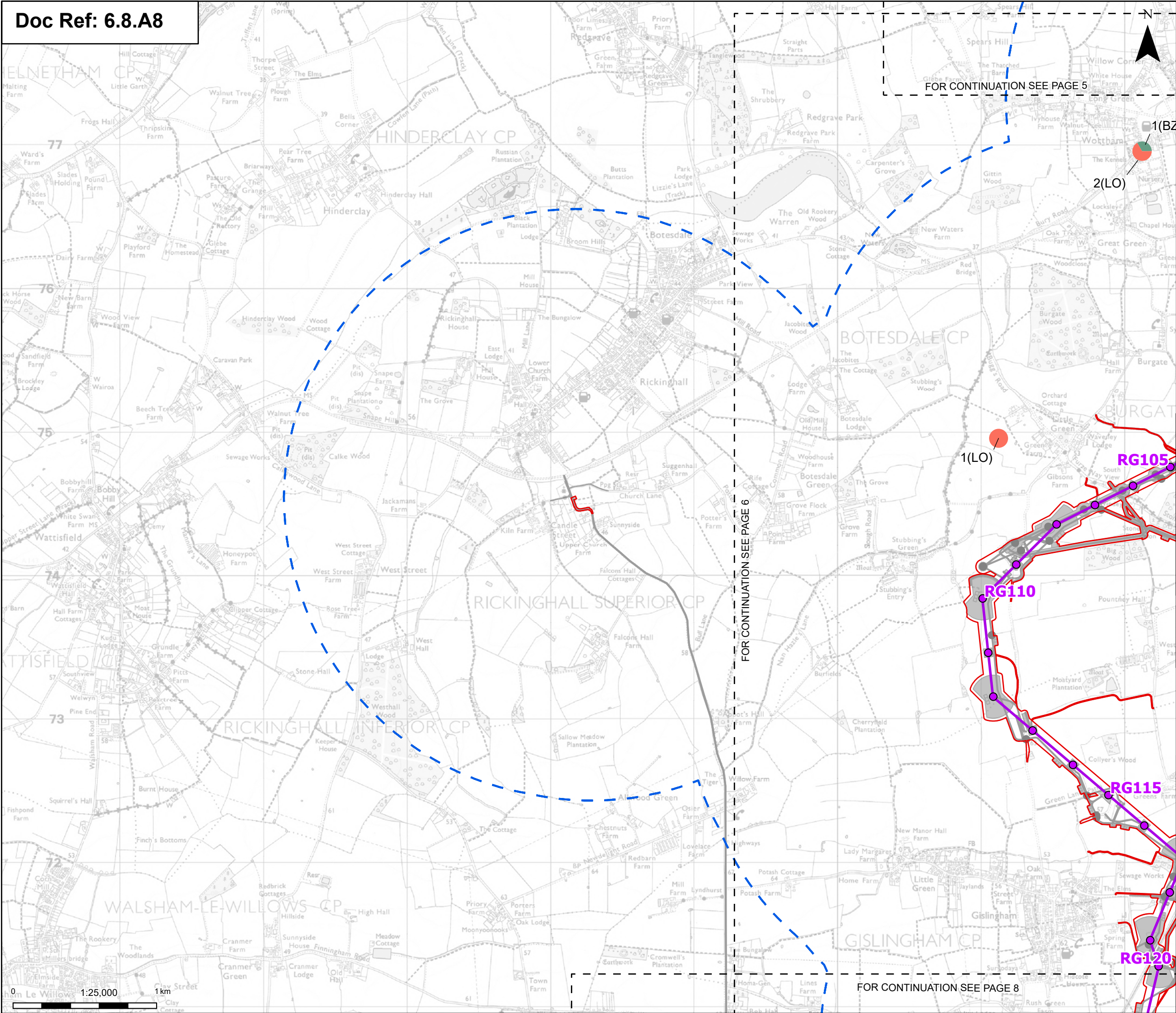
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2 km Study Area

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

Buzzard (BZ)

Kestrel (K)

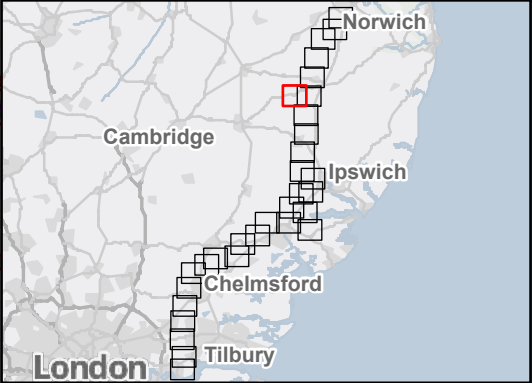
Little owl (LO)

Sparrowhawk (SH)

Tawny owl (TO)

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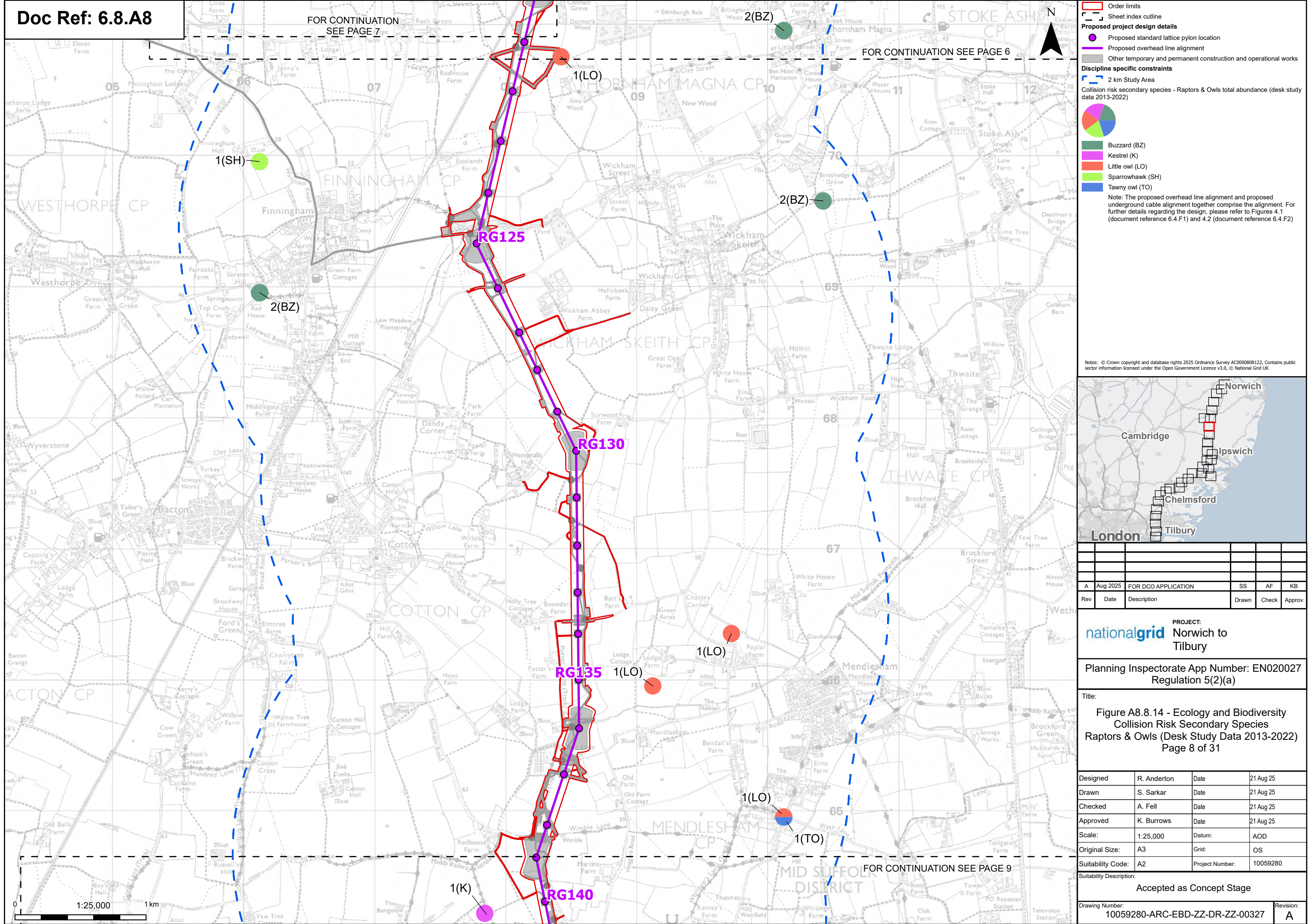
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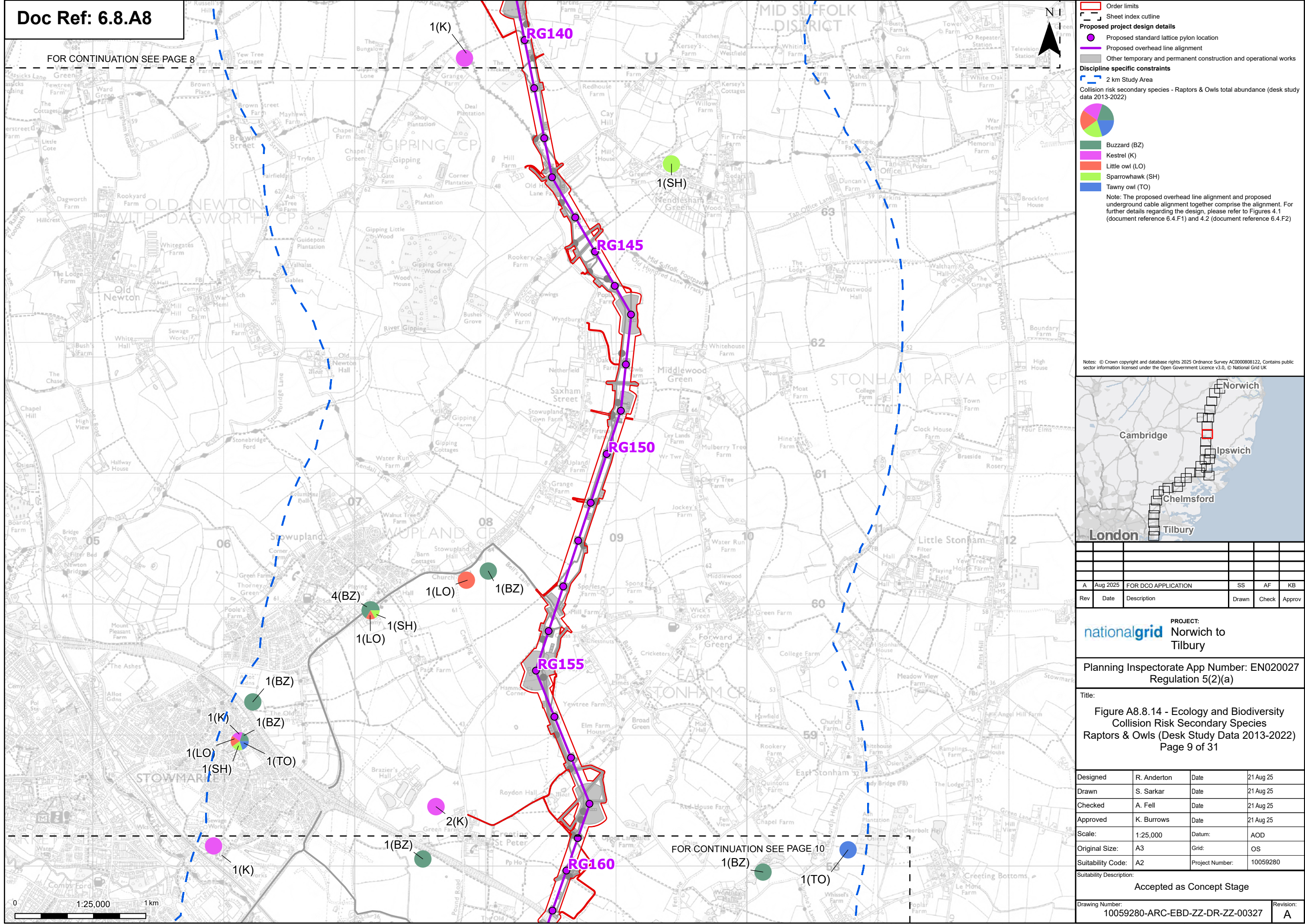
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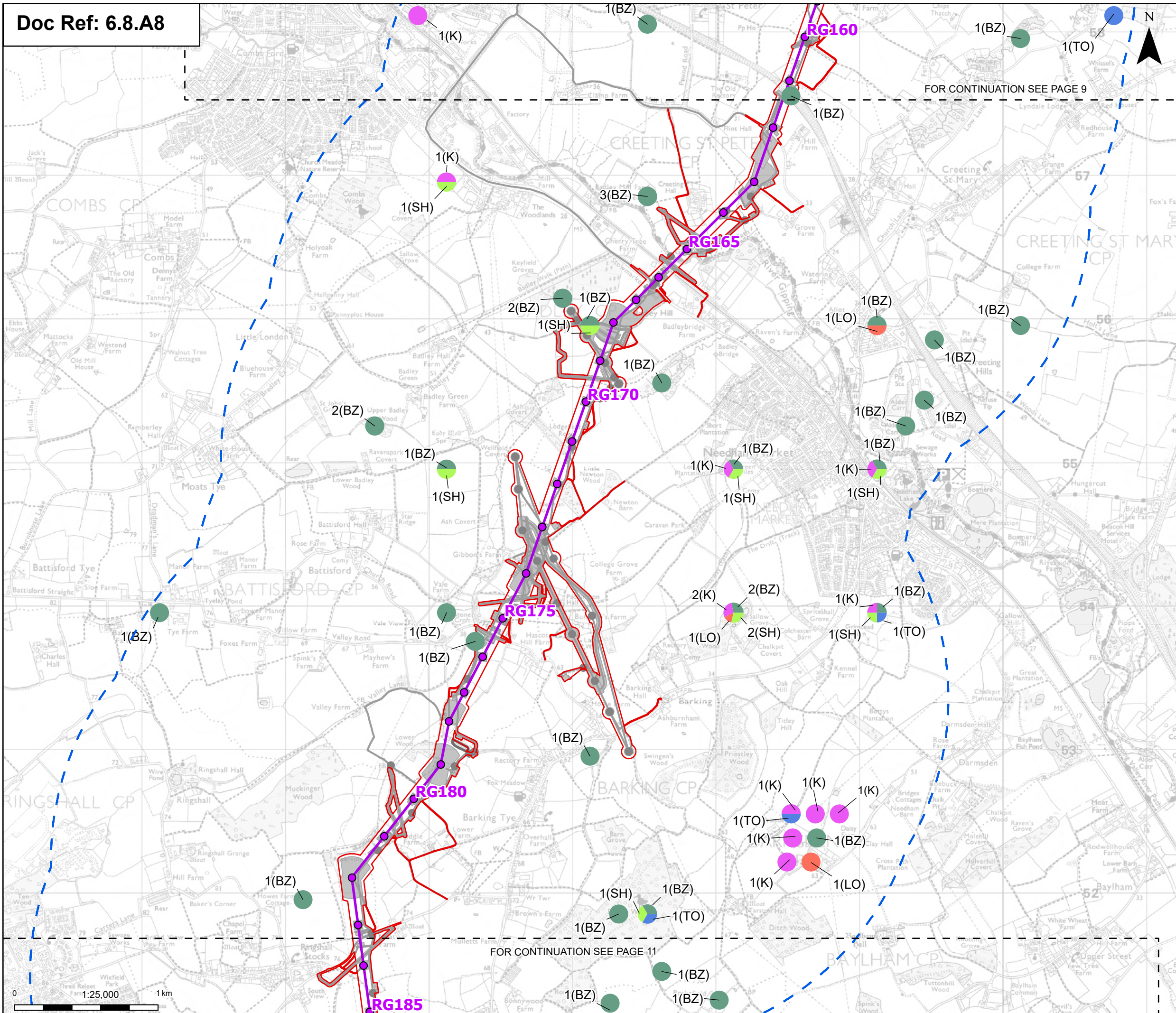
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Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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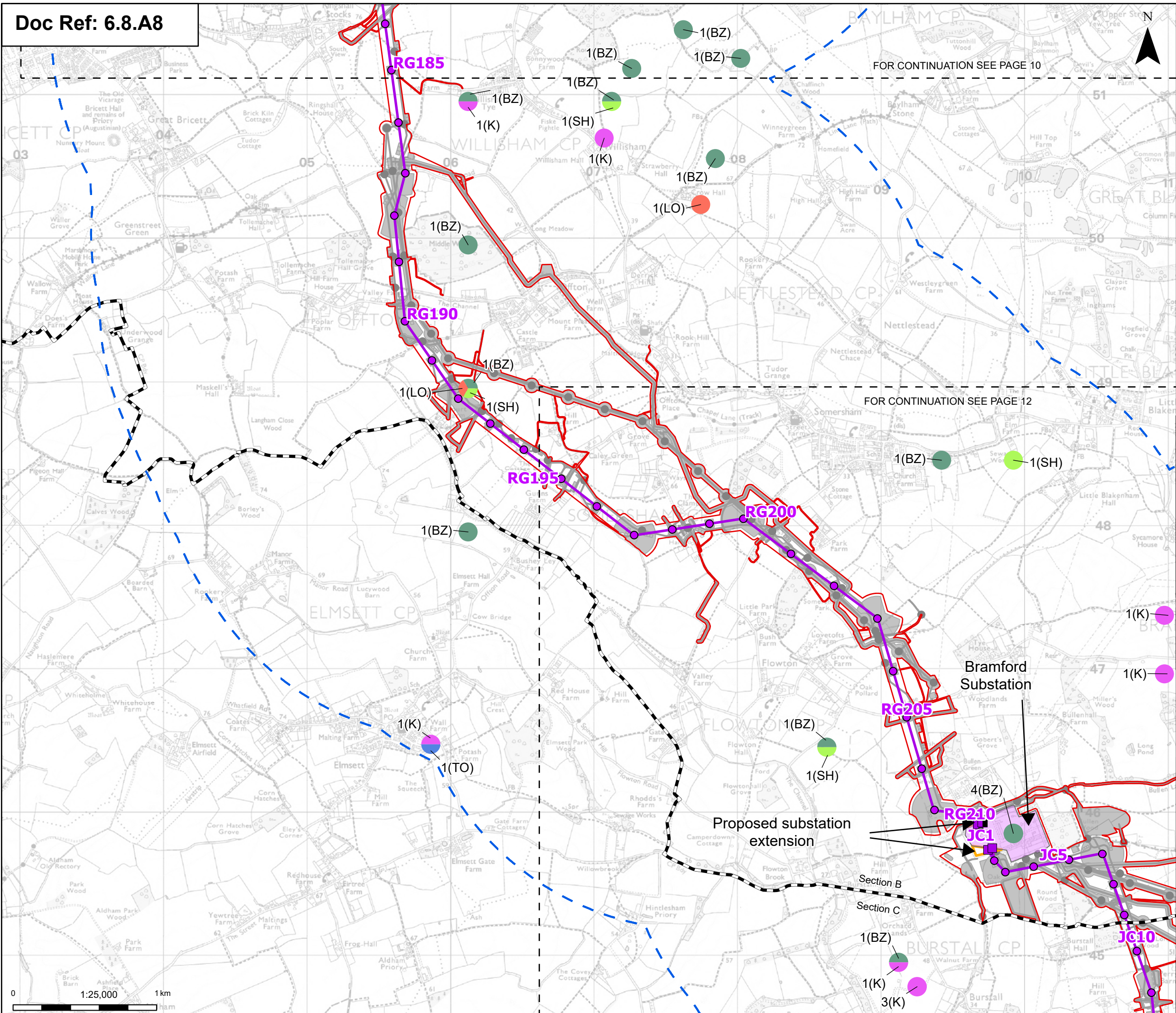
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- 2 km Study Area

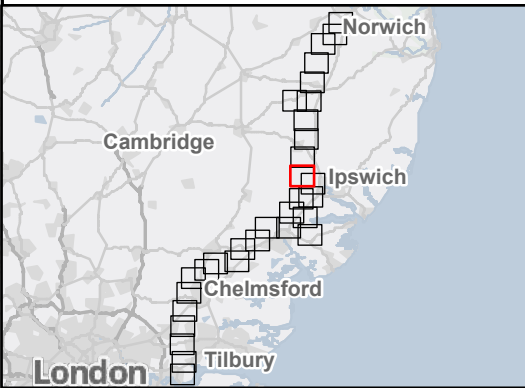
Collision risk secondary species - Raptors & Owls total abundance (desk study data 2013-2022)

Legend:

- Buzzard (BZ)
- Kestrel (K)
- Little owl (LO)
- Sparrowhawk (SH)
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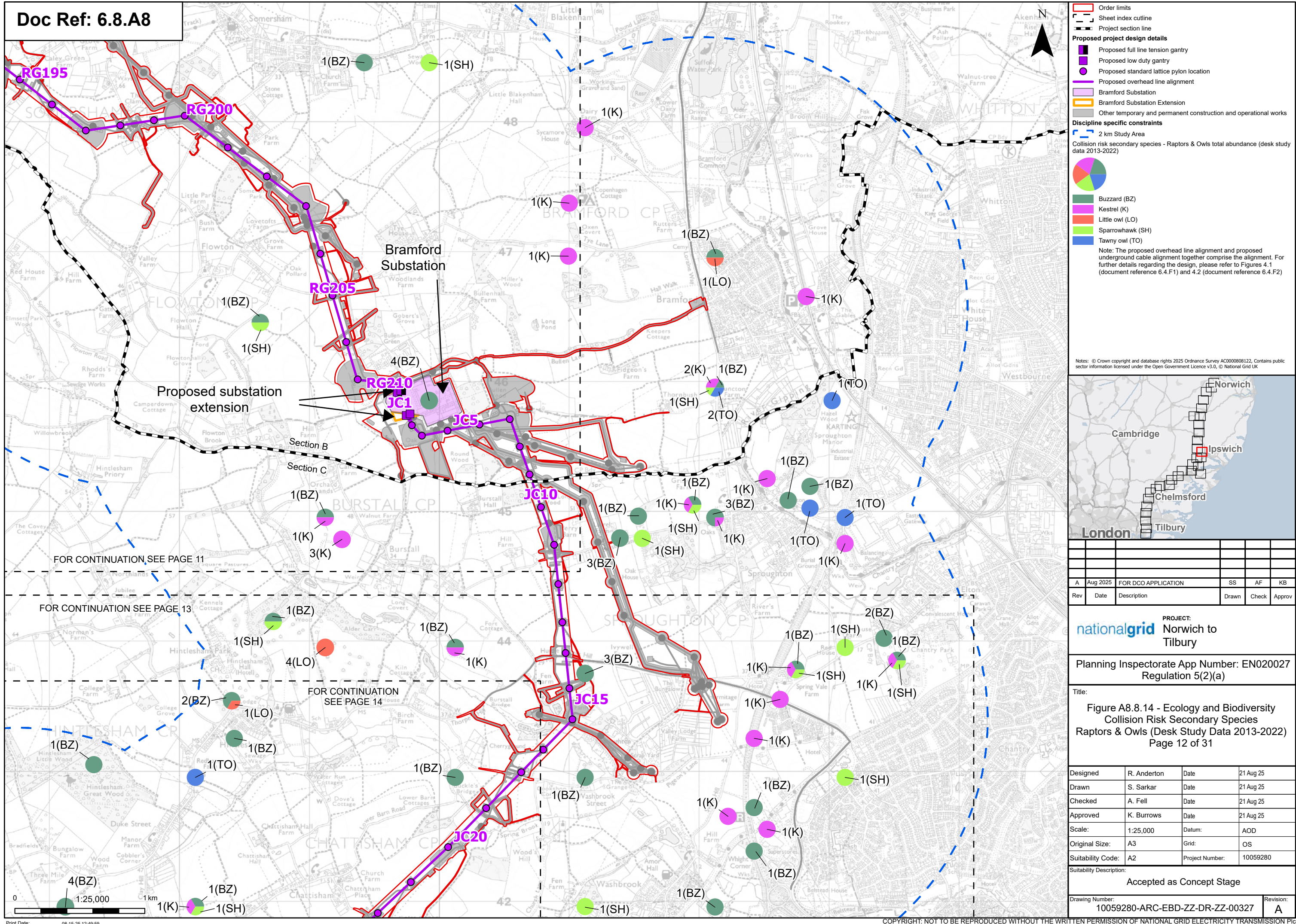
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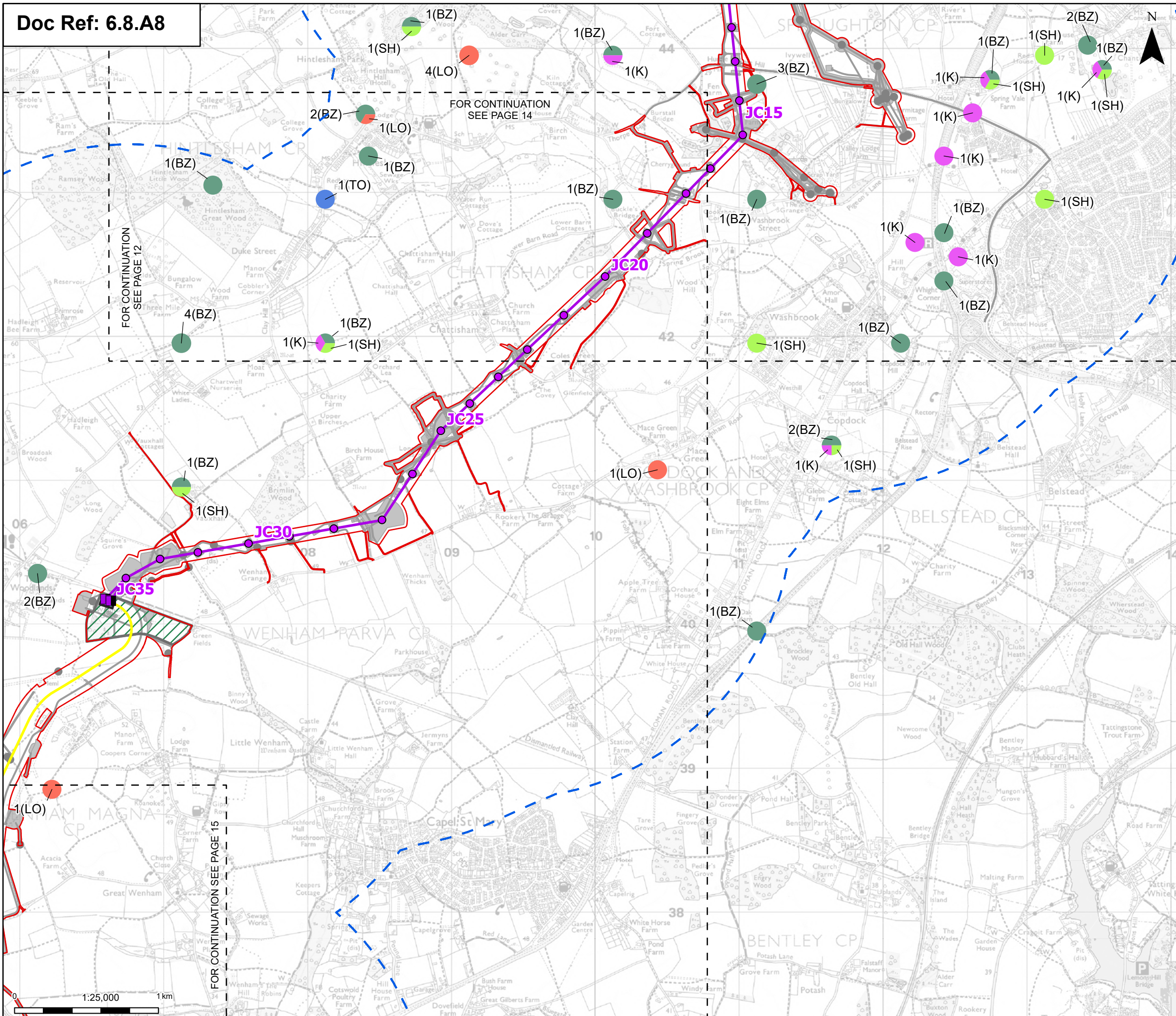
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- 2 km Study Area

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

Legend:

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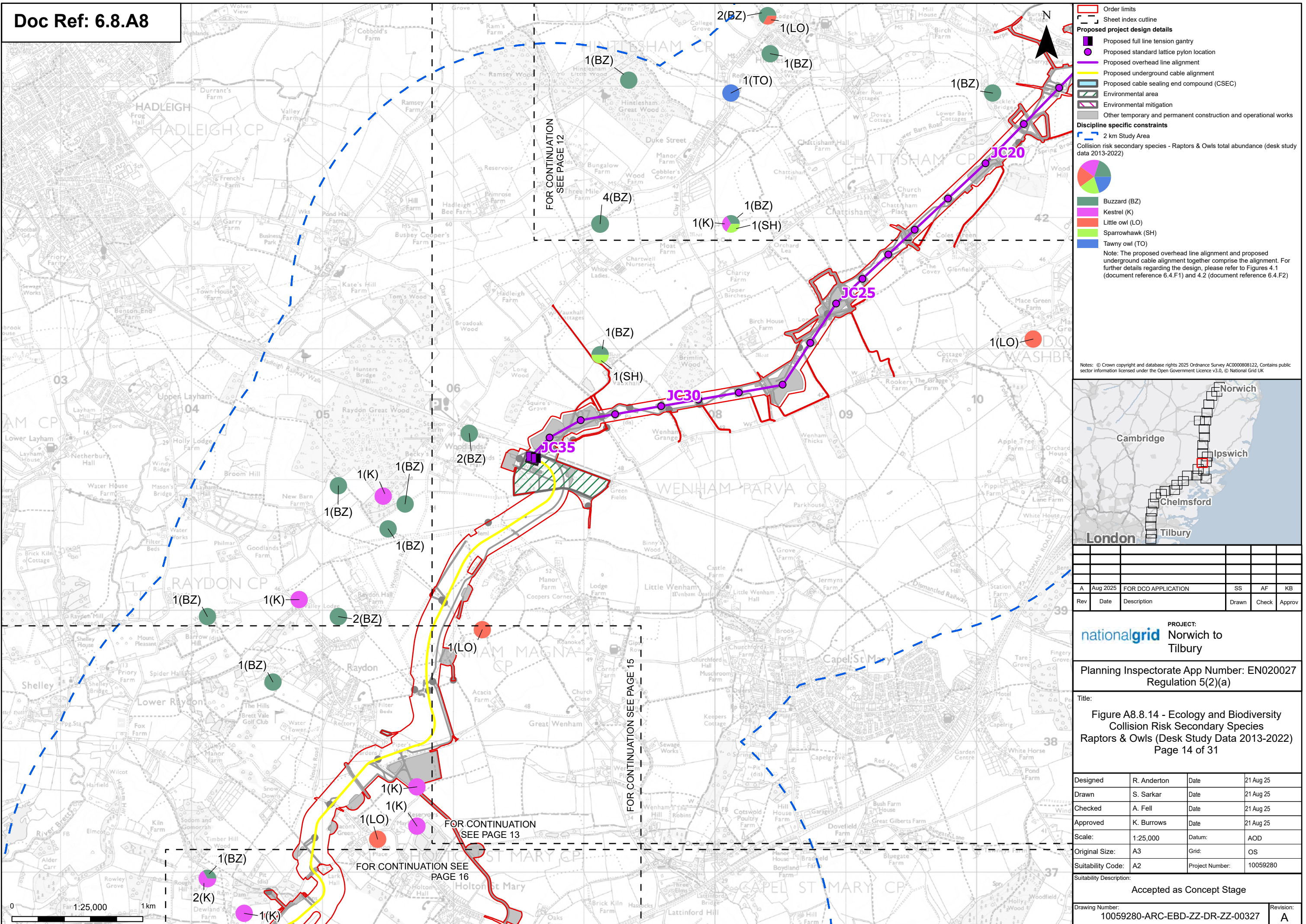
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- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

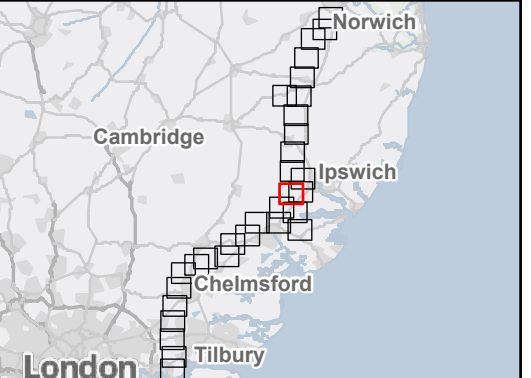
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- Collision risk secondary species - Raptors & Owls total abundance (desk study data 2013-2022)

Legend

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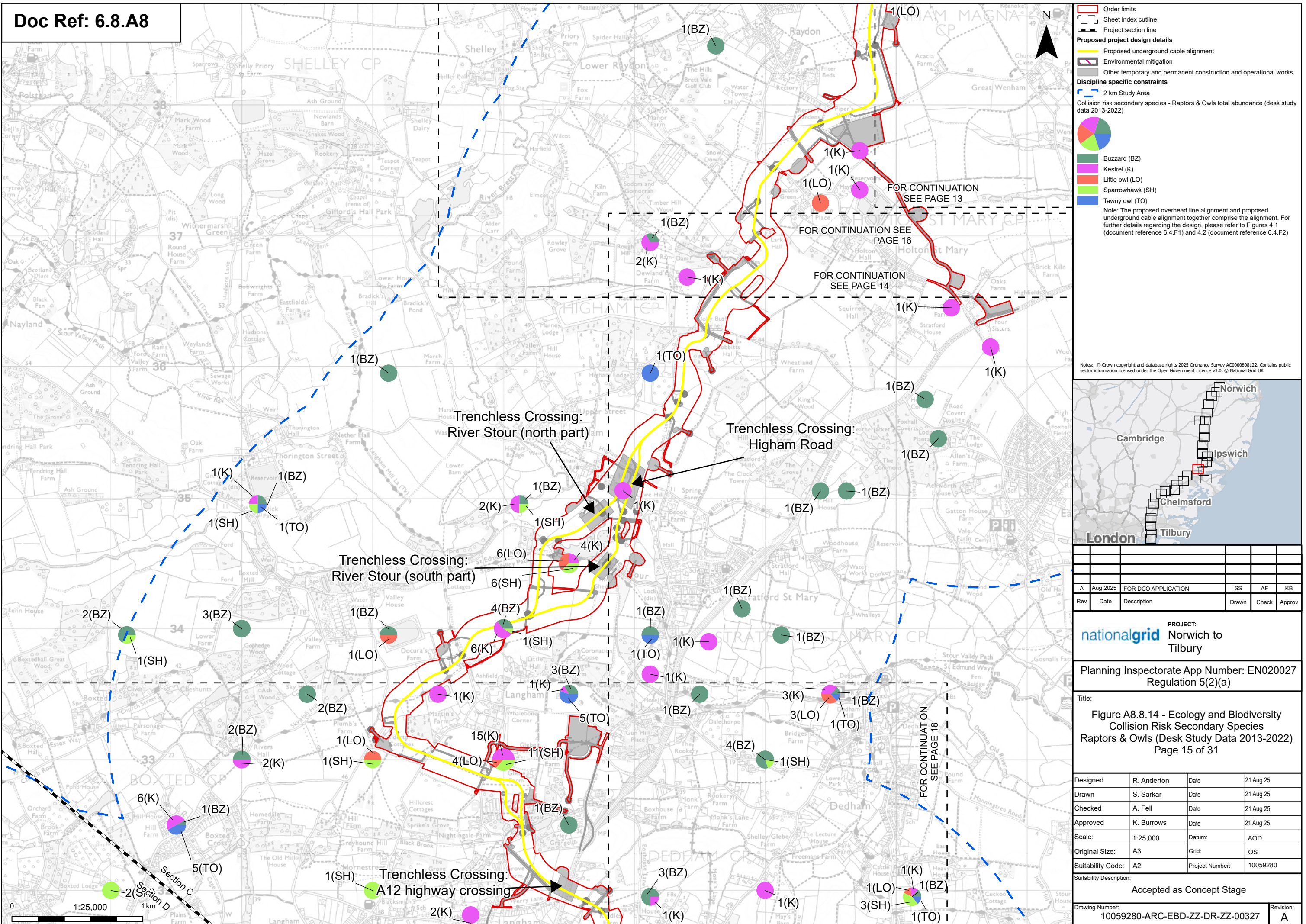
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- 2 km Study Area

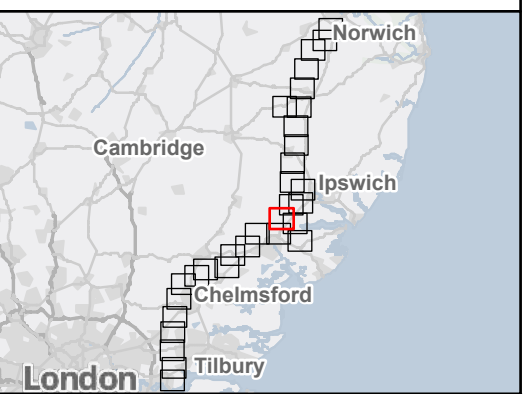
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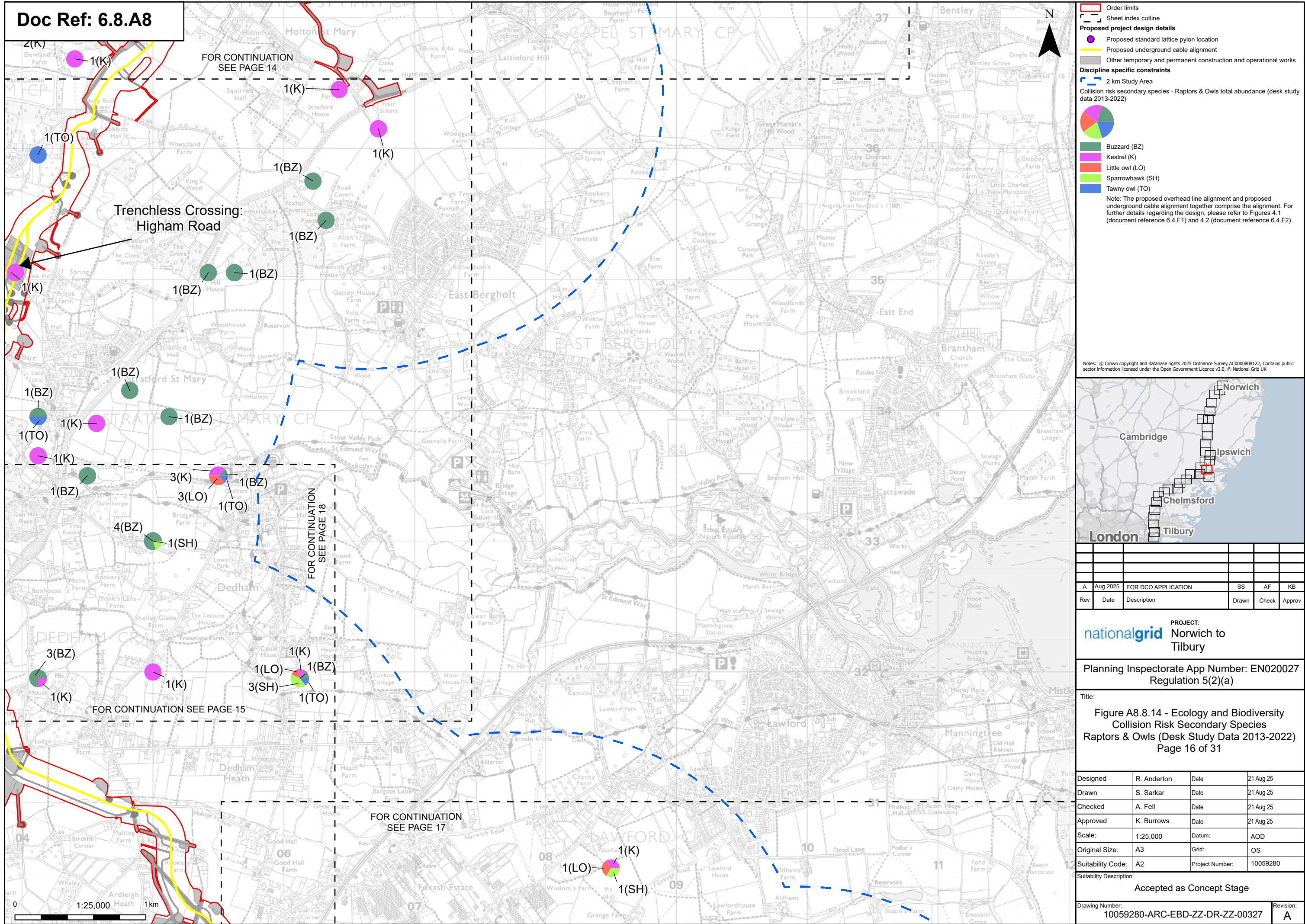
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Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
Page 15 of 31

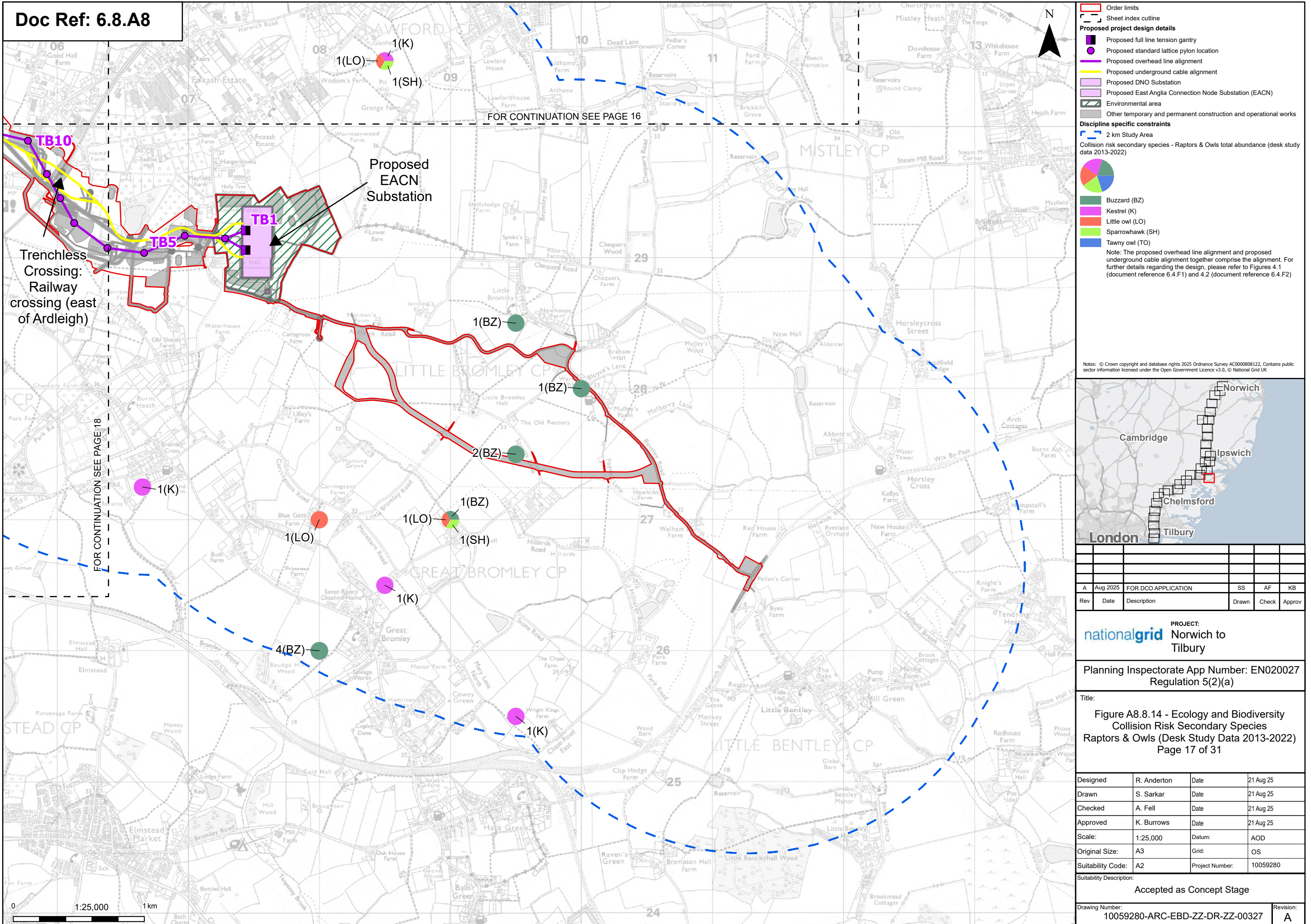
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

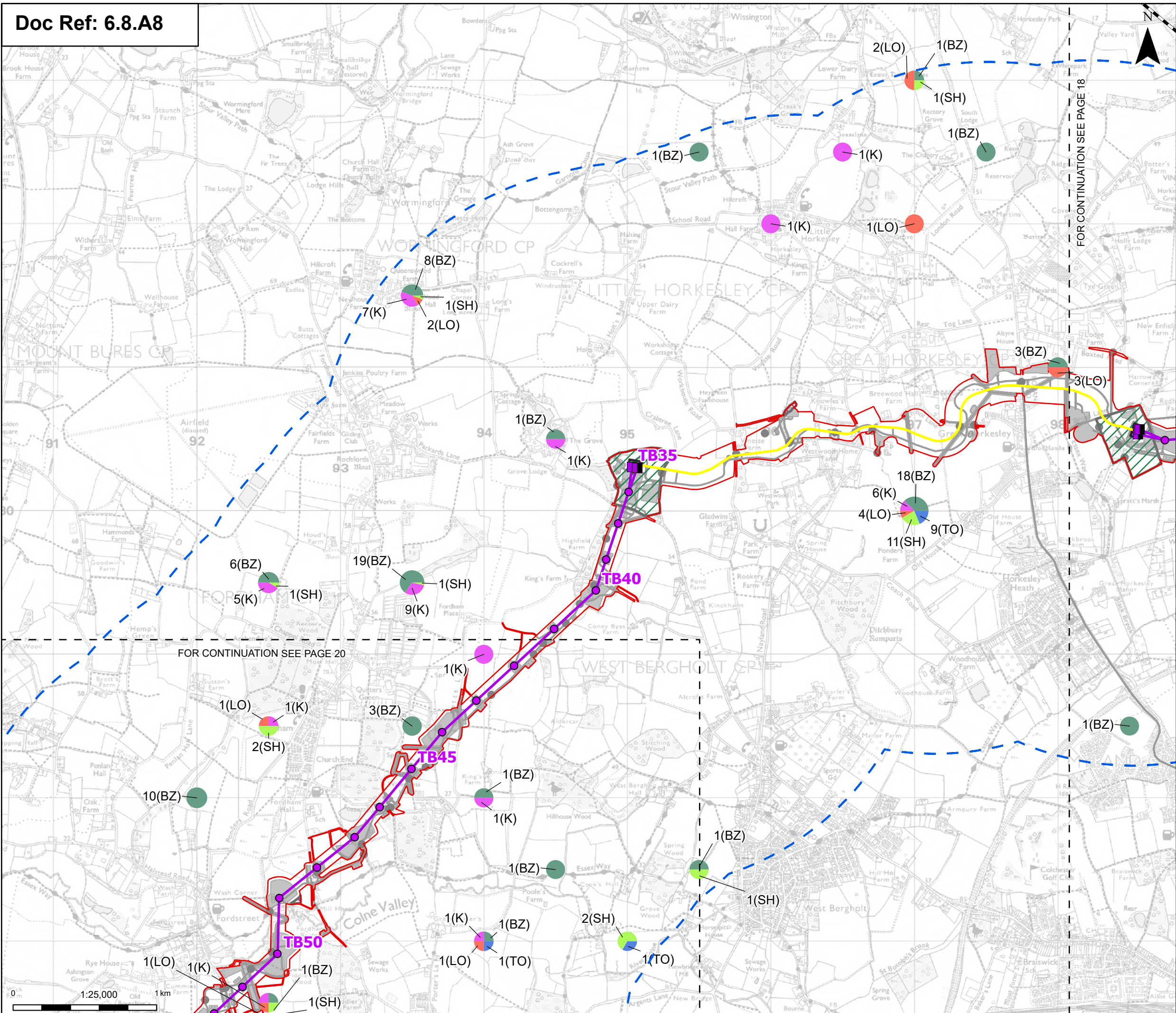
Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00327

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 - Raptors & Owls total abundance (desk study data 2013-2022)

Buzzard (BZ)

Kestrel (K)

Little owl (LO)

Sparrowhawk (SH)

Tawny owl (TO)

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

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

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

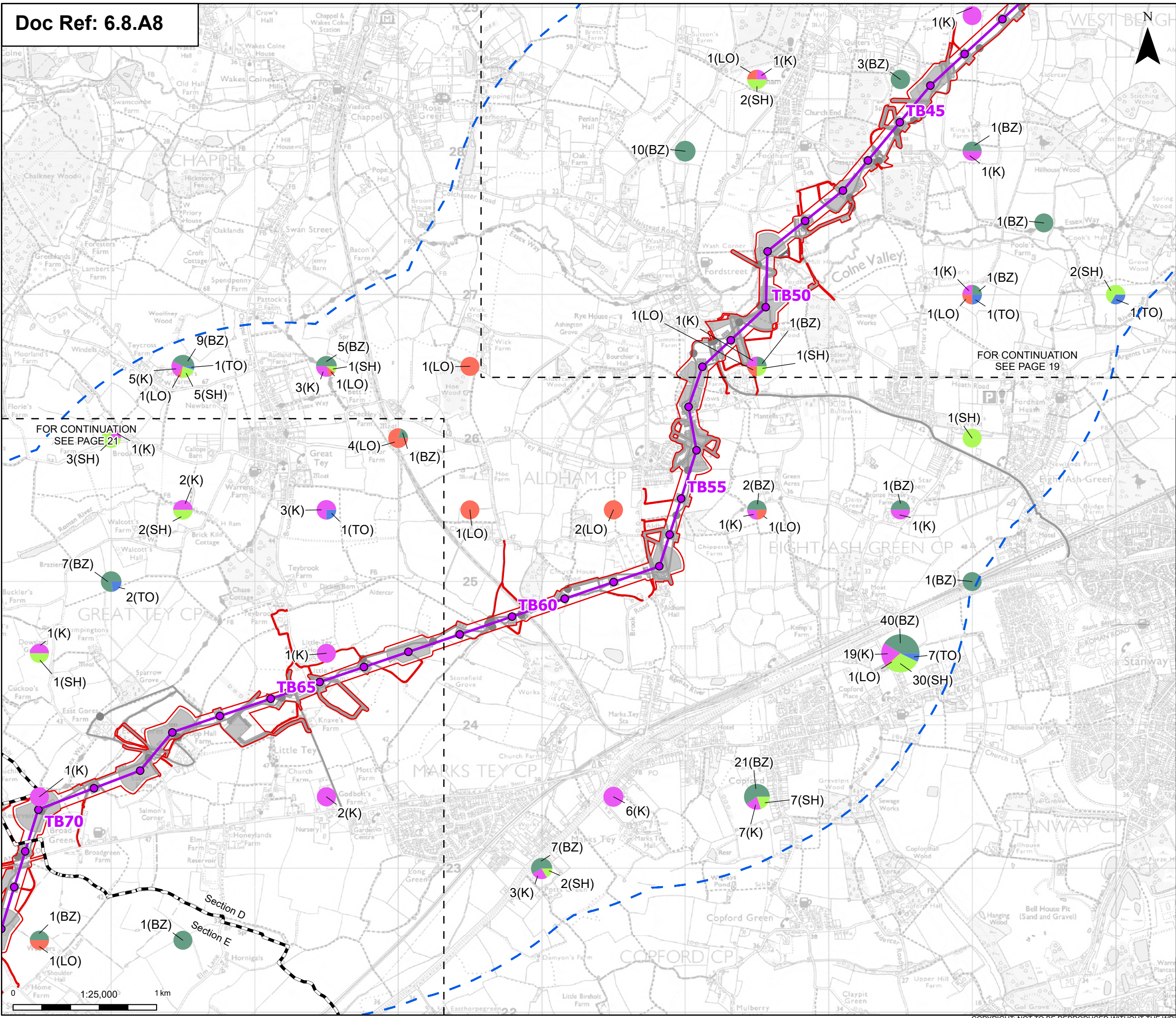
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Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum: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

Suitability Description:
Accepted as Concept Stage

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Order limits

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Project section line

Proposed project design details

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

Discipline specific constraints

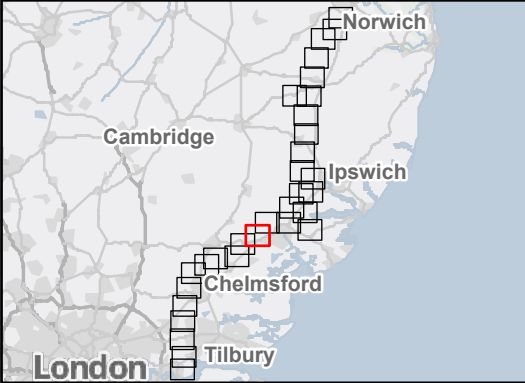
- 2 km Study Area

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

● Buzzard (BZ)
● Kestrel (K)
● Little owl (LO)
● Sparrowhawk (SH)
● Tawny owl (TO)

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

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PROJECT: Norwich to Tilbury

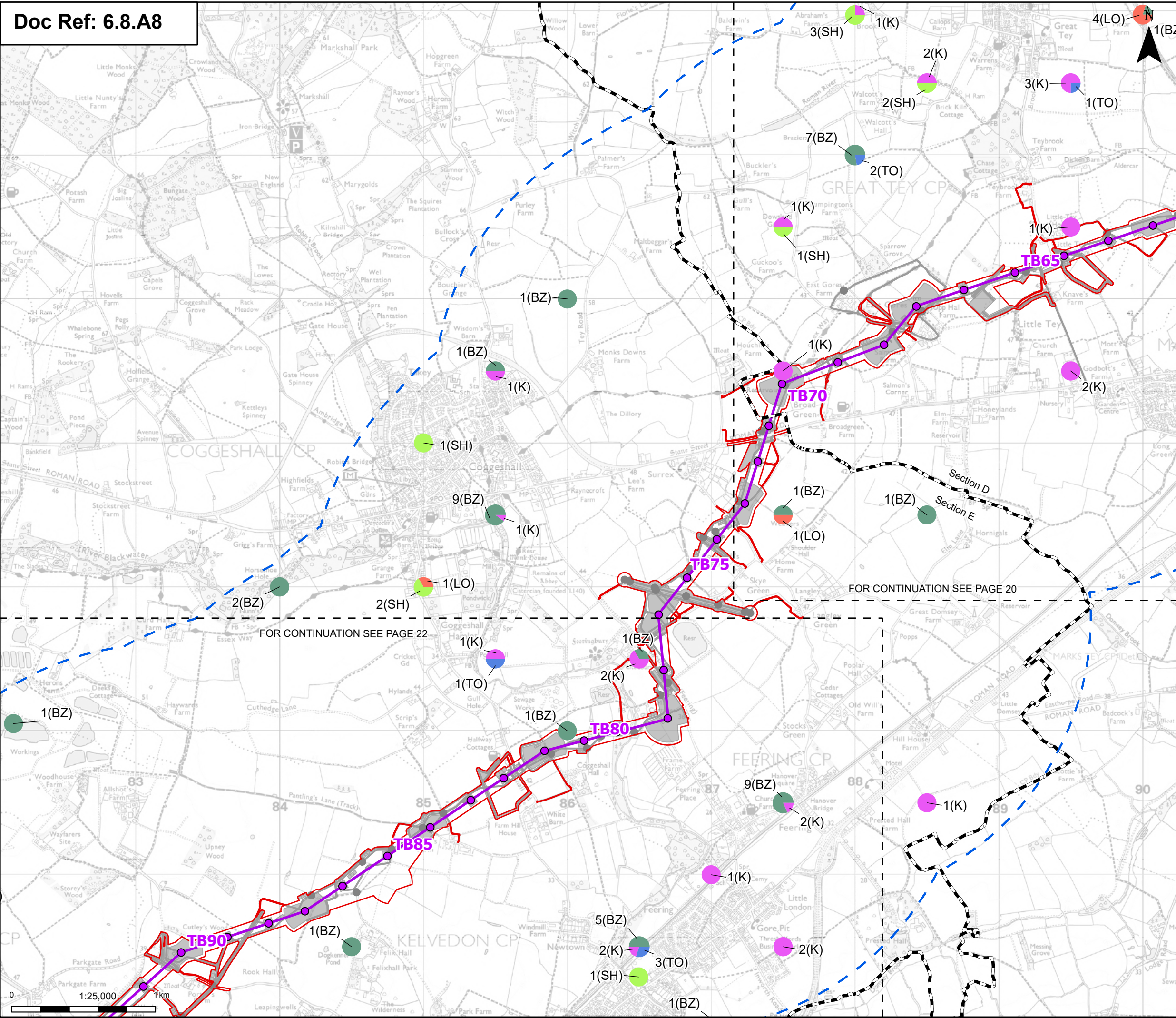
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Title: Figure A8.8.14 - Ecology and Biodiversity Collision Risk Secondary Species Raptors & Owls (Desk Study Data 2013-2022) Page 20 of 31

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-00327	Revision:	A
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Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Buzzard (BZ)

Kestrel (K)

Little owl (LO)

Sparrowhawk (SH)

Tawny owl (TO)

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

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Rev	Date	Description	Drawn	Check	Approv

nationalgrid

PROJECT:
Norwich to
Tilbury

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

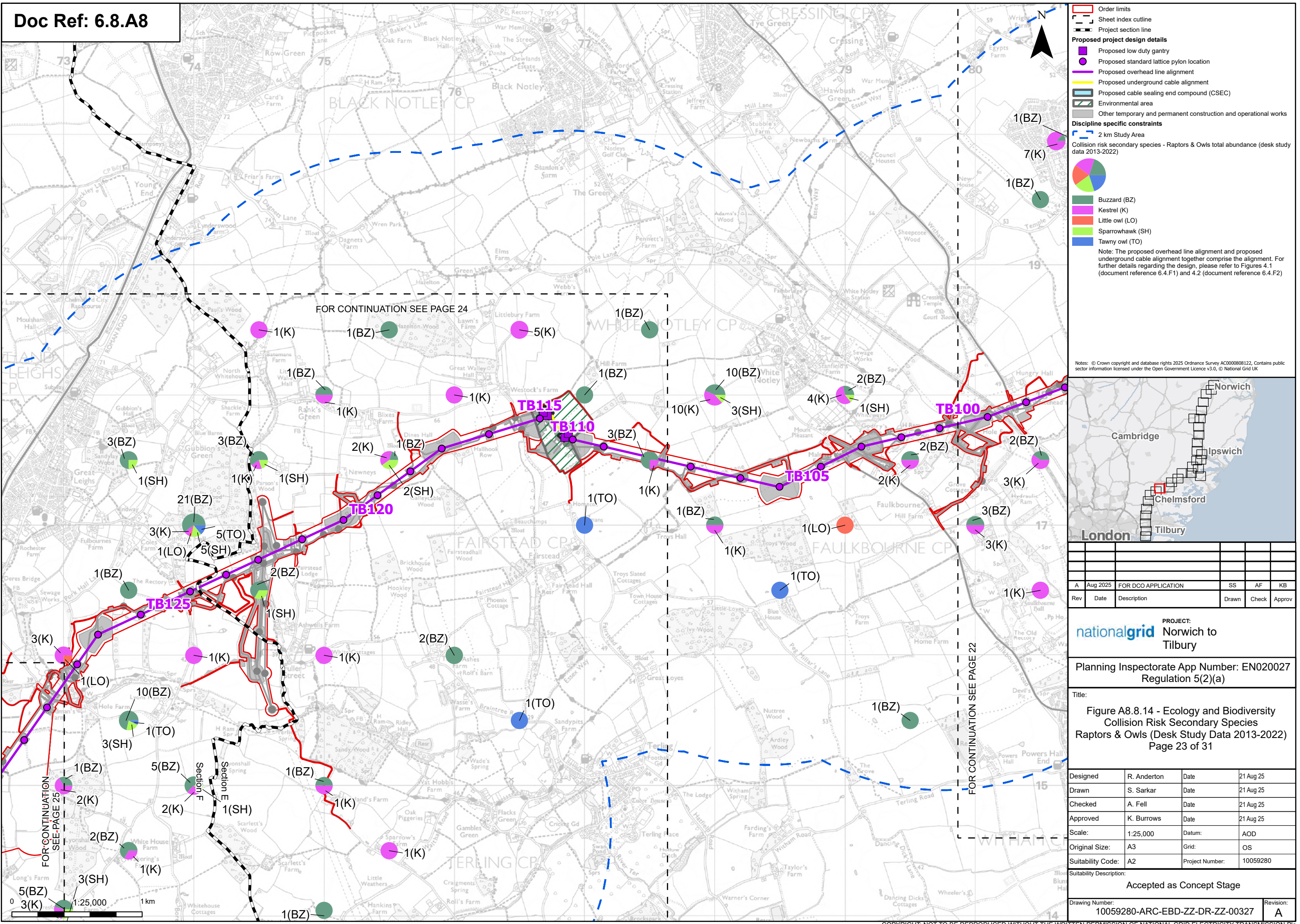
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Figure A8.8.14 - Ecology and Biodiversity
Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
Page 21 of 31

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

Suitability Description:
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Order limits

- Sheet index cutline
- 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

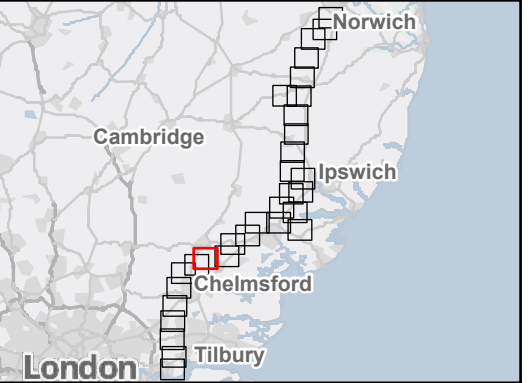
- 2 km Study Area
- Collision risk secondary species - Raptors & Owls total abundance (desk study data 2013-2022)

Legend

- Buzzard (BZ)
- Kestrel (K)
- Little owl (LO)
- Sparrowhawk (SH)
- Tawny owl (TO)

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

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PROJECT:
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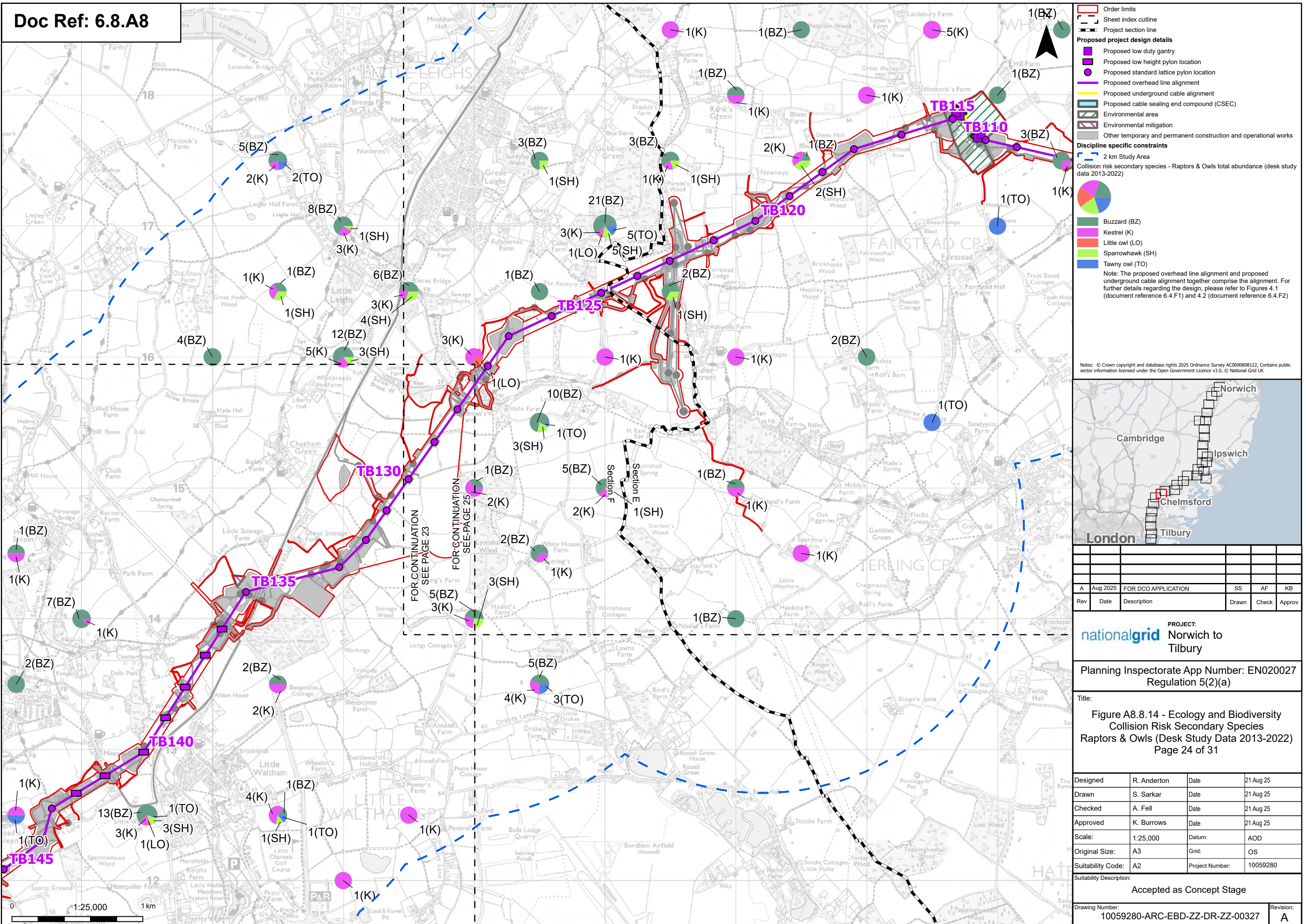
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Title:
Figure A8.8.14 - Ecology and Biodiversity
Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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-00327	Revision: A
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Order limits

- 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

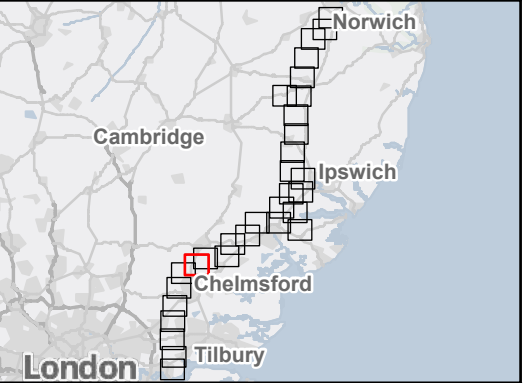
- 2 km Study Area
- Collision risk secondary species - Raptors & Owls total abundance (desk study data 2013-2022)

Legend

- Buzzard (BZ)
- Kestrel (K)
- Little owl (LO)
- Sparrowhawk (SH)
- Tawny owl (TO)

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

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PROJECT:
nationalgrid Norwich to
Tilbury

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

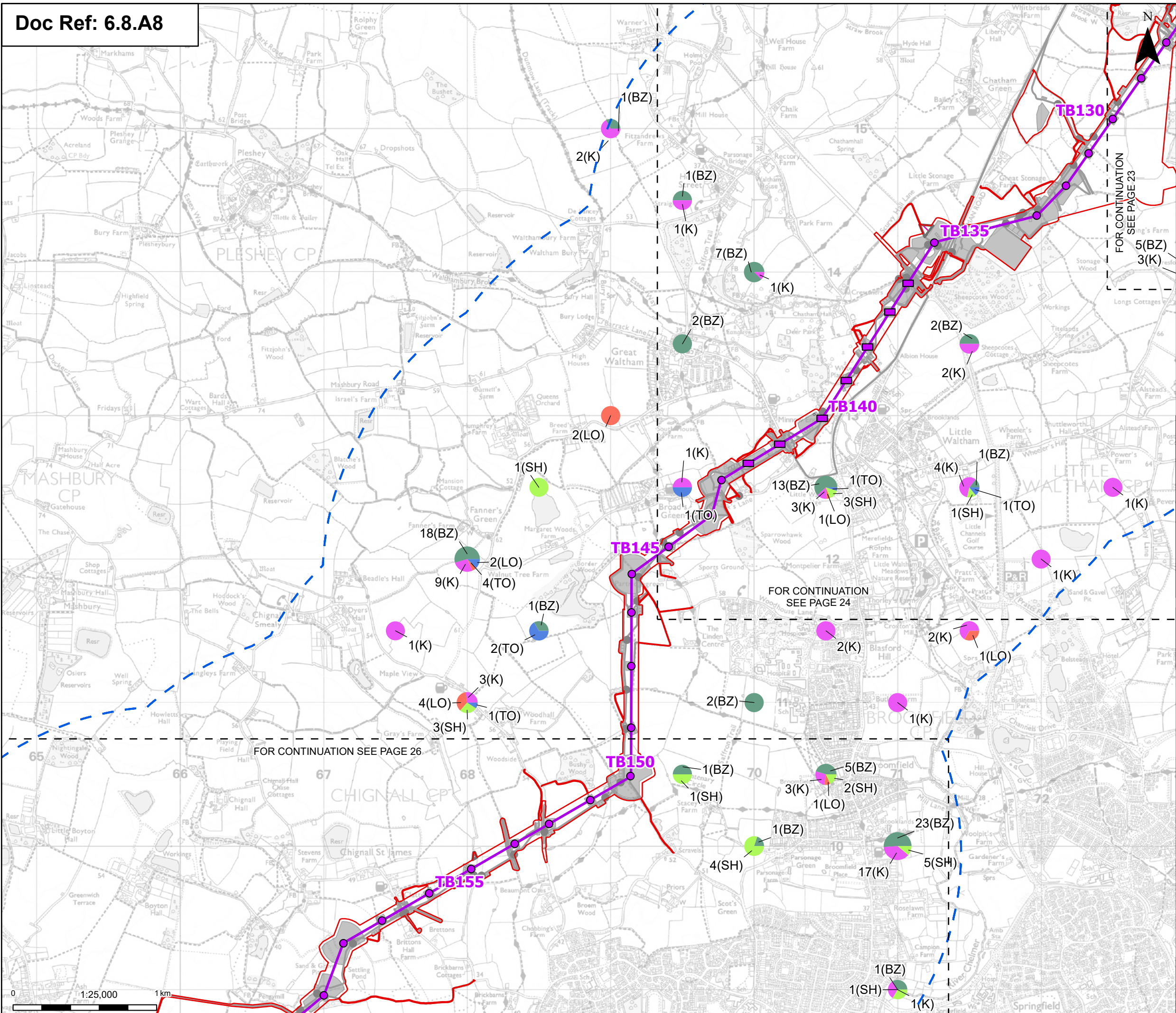
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Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
Page 24 of 31

Designed	R. Anderton	Date	21 Aug 25
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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-00327

Revision:
A



Order limits

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Proposed project design details

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

Discipline specific constraints

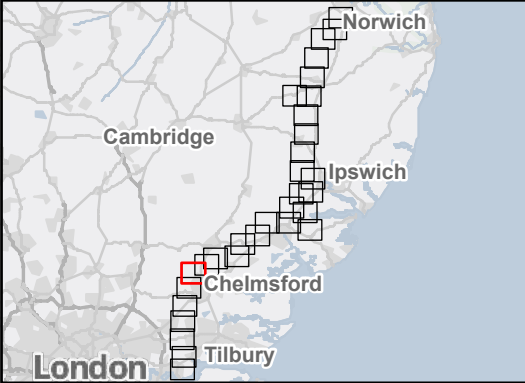
- 2 km Study Area
- Collision risk secondary species - Raptors & Owls total abundance (desk study data 2013-2022)

Legend

- Buzzard (BZ)
- Kestrel (K)
- Little owl (LO)
- Sparrowhawk (SH)
- Tawny owl (TO)

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

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Rev	Date	Description	Drawn	Check	Approv

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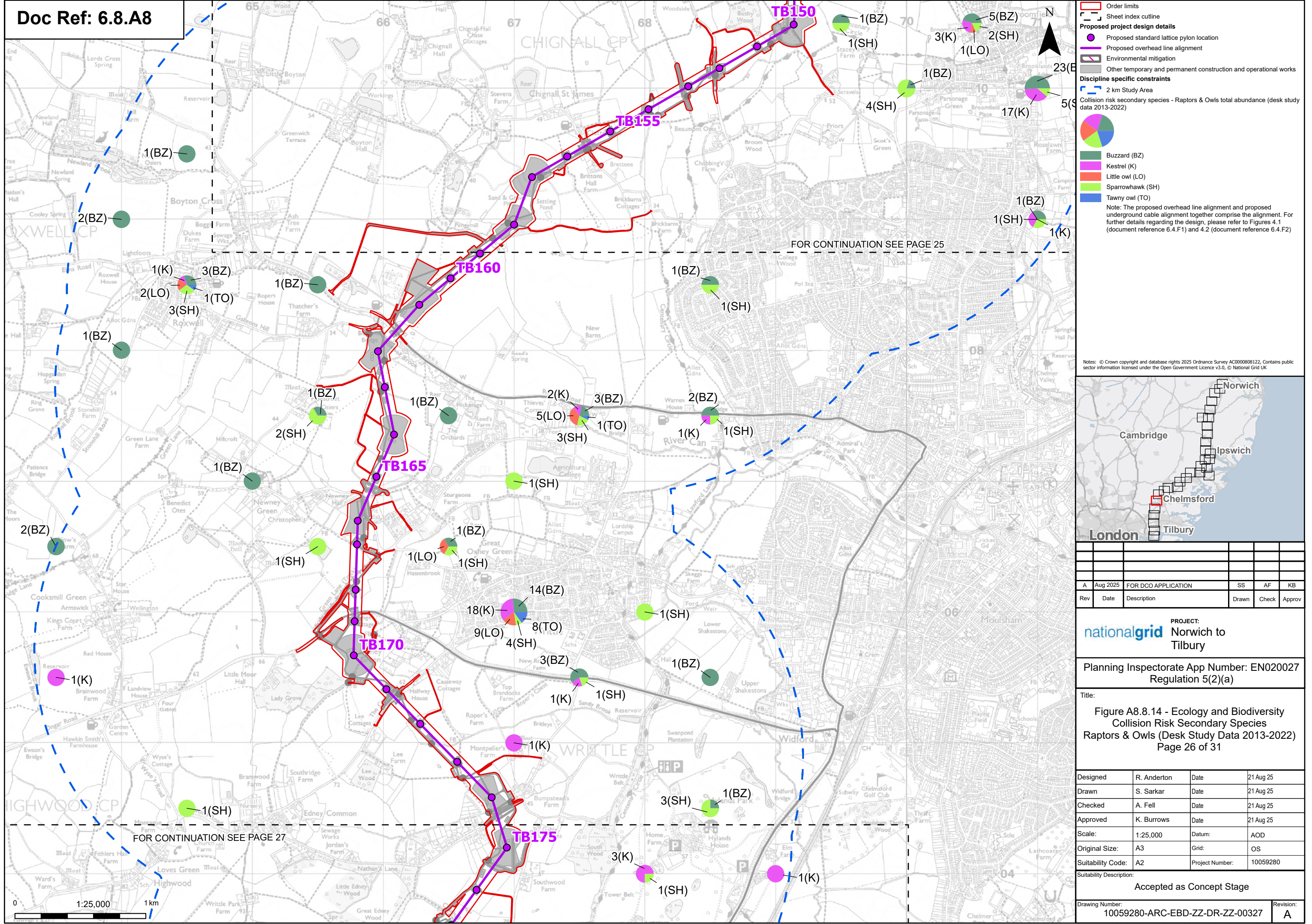
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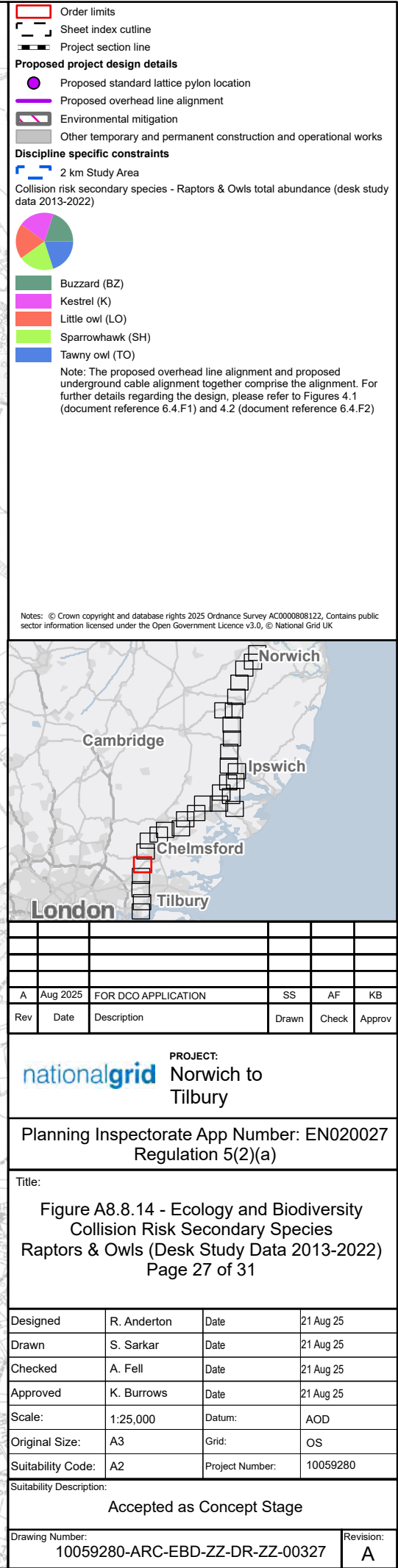
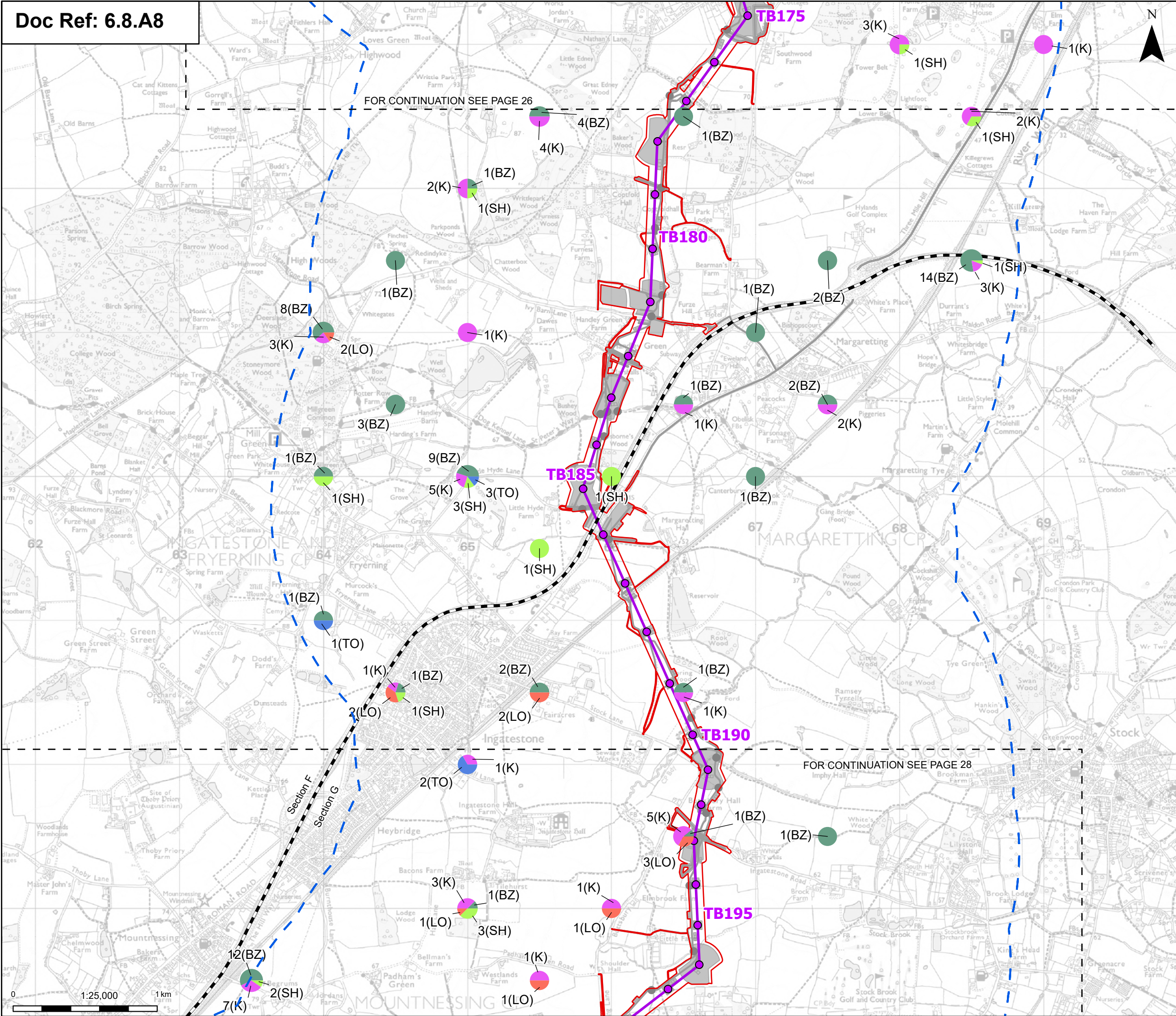
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Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
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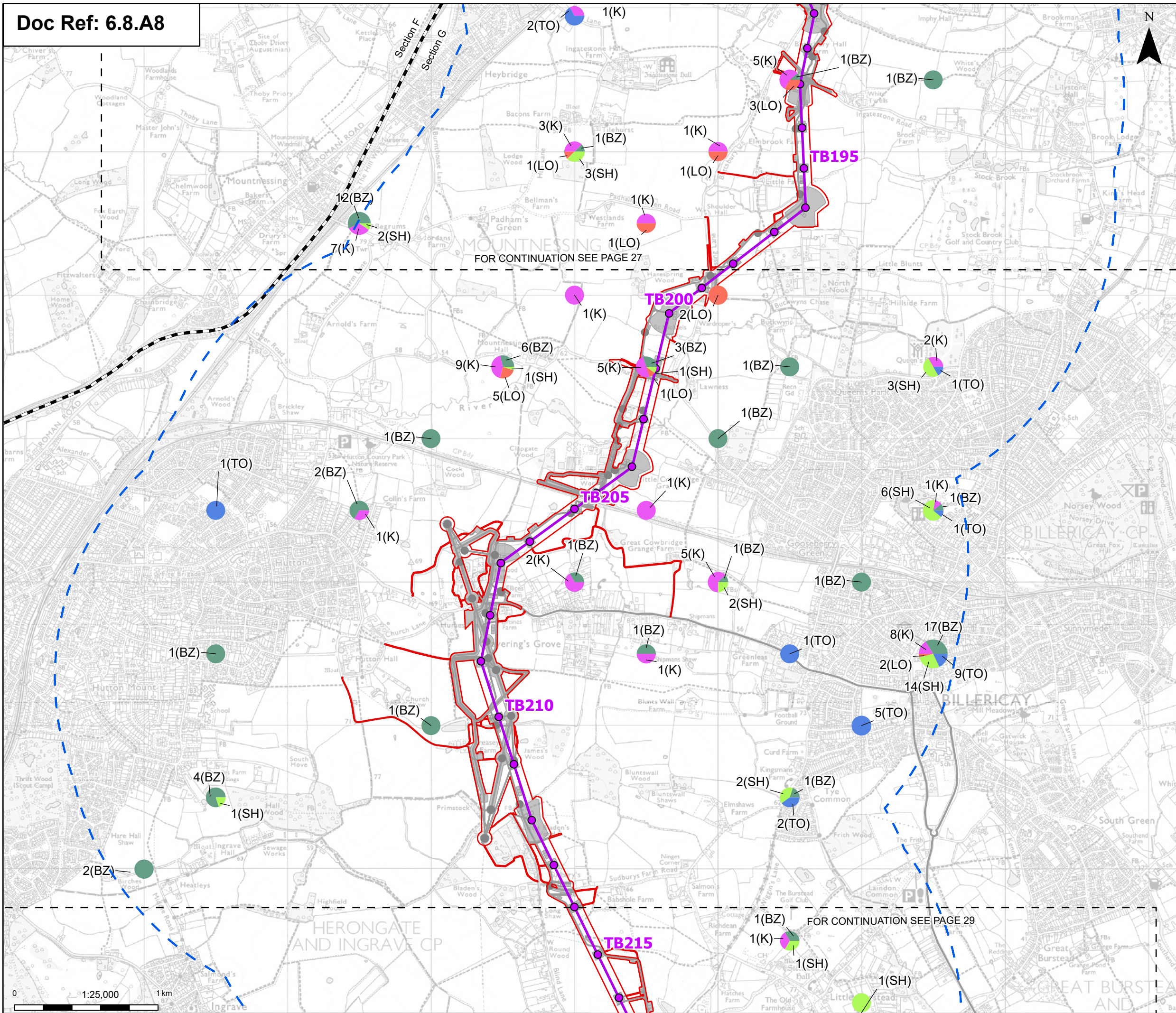
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00327	Revision: A
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Order limits

Sheet index cutline

Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

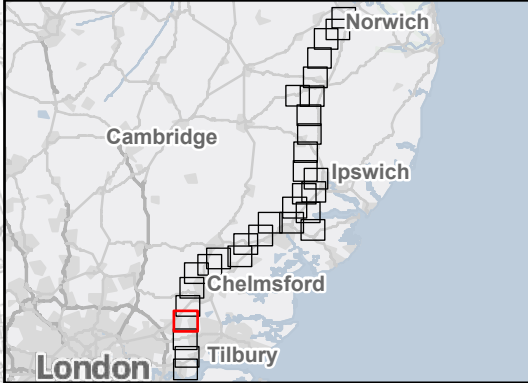
Collision risk secondary species - Raptors & Owls total abundance (desk study data 2013-2022)

Bird Species Legend:

- Buzzard (BZ)
- Kestrel (K)
- Little owl (LO)
- Sparrowhawk (SH)
- Tawny owl (TO)

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

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

PROJECT: **Norwich to Tilbury**

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

Title: **Figure A8.8.14 - Ecology and Biodiversity
Collision Risk Secondary Species
Raptors & Owls (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

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FOR CONTINUATION SEE PAGE 30

Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Buzzard (BZ)

Kestrel (K)

Little owl (LO)

Sparrowhawk (SH)

Tawny owl (TO)

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

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PROJECT:
nationalgrid Norwich to Tilbury

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

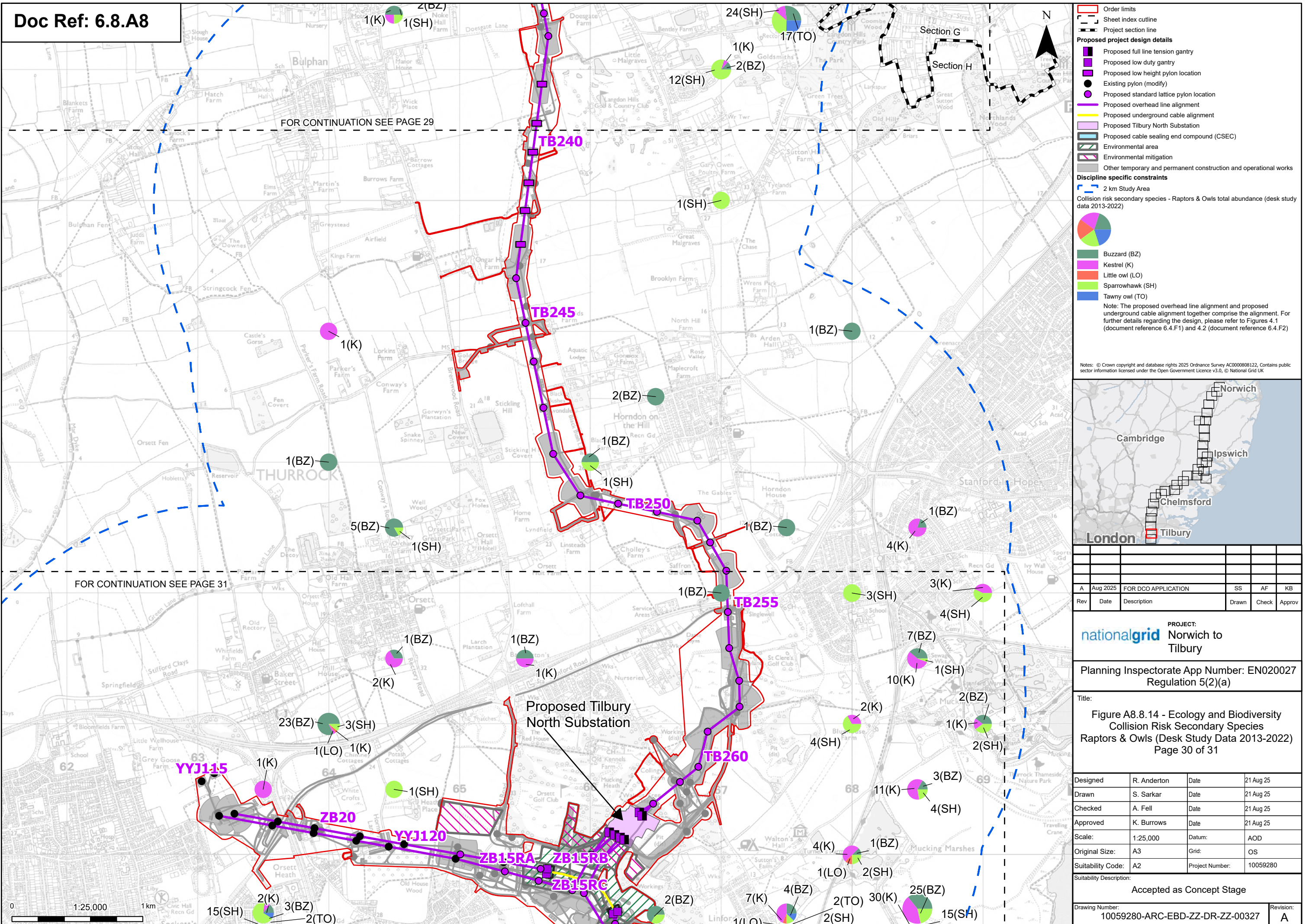
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Collision Risk Secondary Species
Raptors & Owls (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

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Order limits

Sheet index cutline

Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

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

- Buzzard (BZ)
- Kestrel (K)
- Little owl (LO)
- Sparrowhawk (SH)
- Tawny owl (TO)

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

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PROJECT: Norwich to Tilbury

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

Title: Figure A8.8.14 - Ecology and Biodiversity Collision Risk Secondary Species Raptors & Owls (Desk Study Data 2013-2022) Page 30 of 31

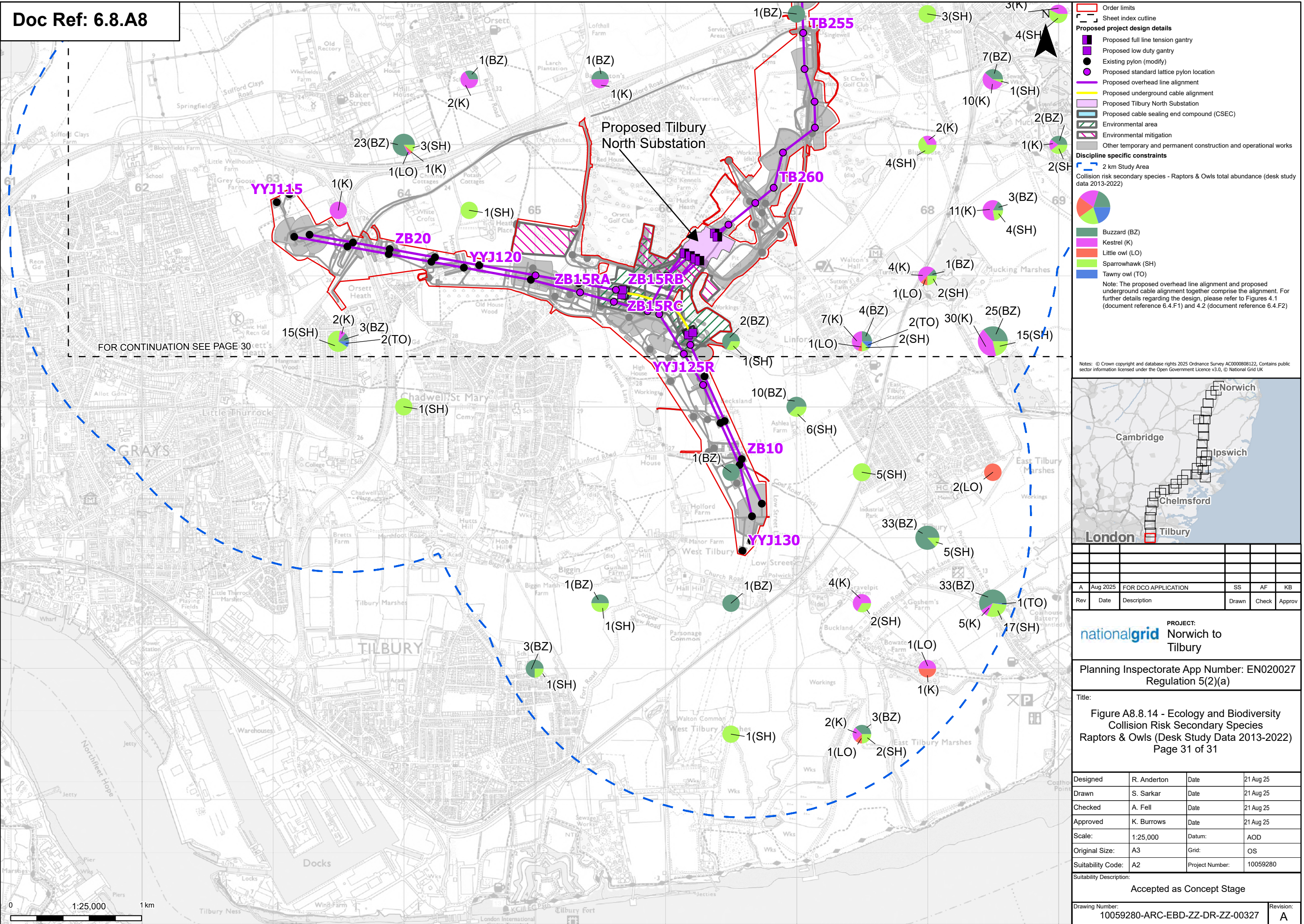
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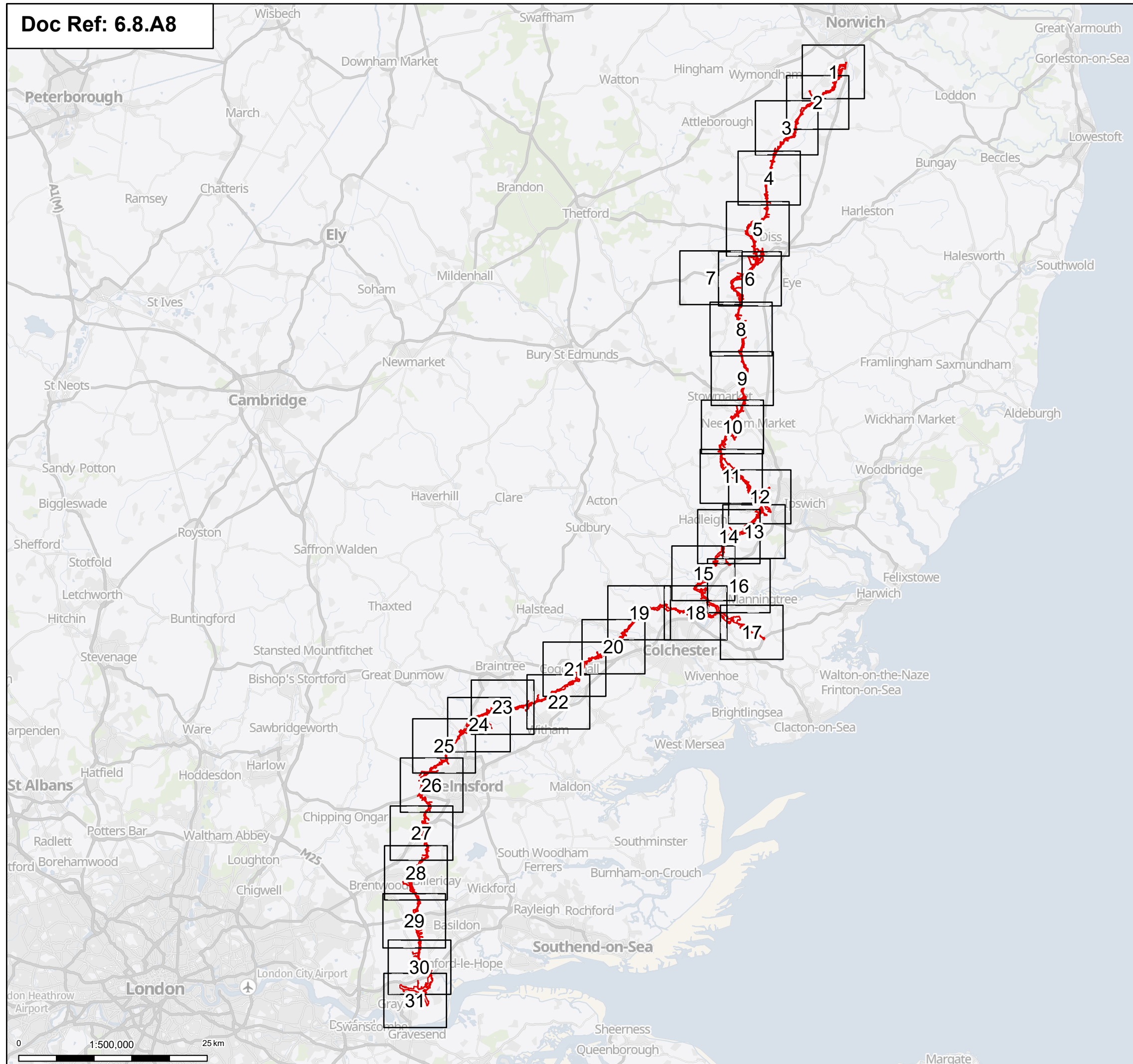
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

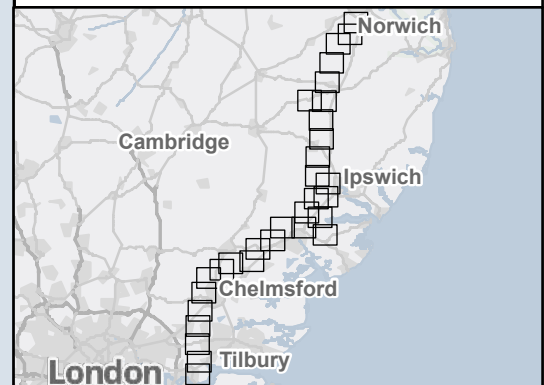
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nationalgrid PROJECT: Norwich to Tilbury

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

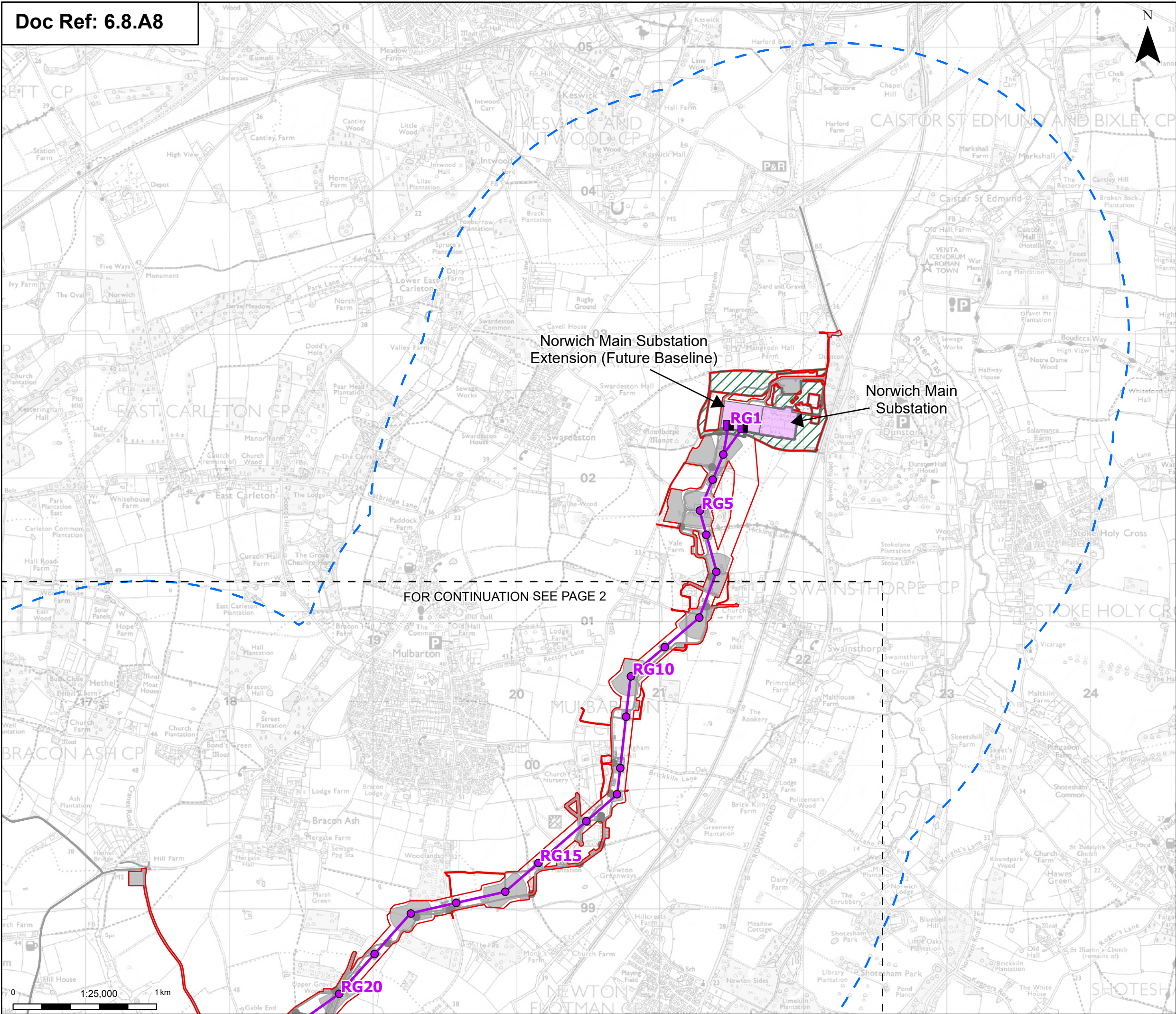
Title: Figure A8.8.15 - Ecology and Biodiversity
Collision Risk Secondary Species
Gulls & Terns (Desk Study Data 2013-2022)
Overview

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-00328	Revision: A
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Order limits

Sheet index cutline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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PROJECT:

nationalgrid

Norwich to Tilbury

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

Title:

Figure A8.8.15 - Ecology and Biodiversity
Collision Risk Secondary Species
Gulls & Terns (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
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Suitability Description:

Accepted as Concept Stage

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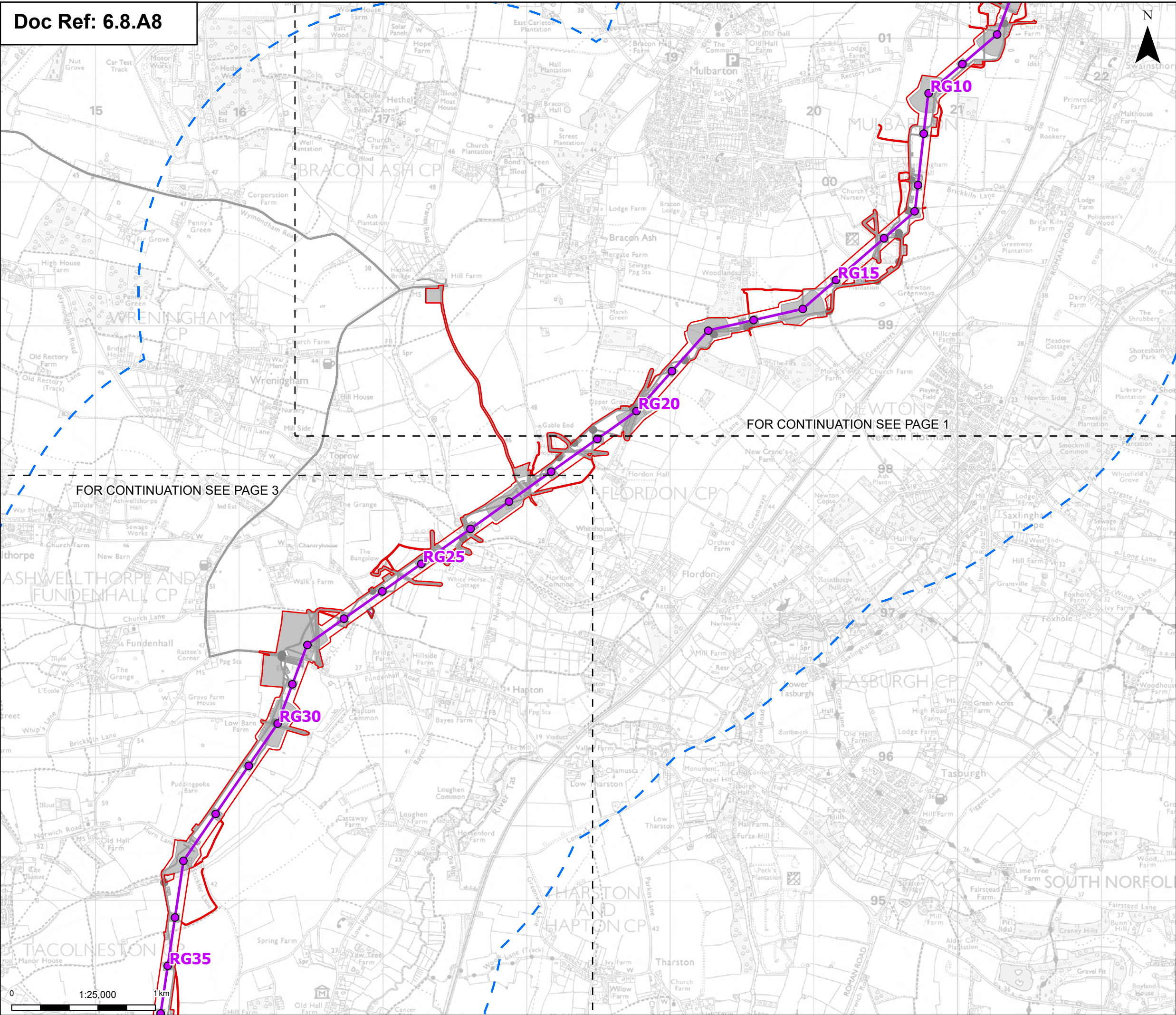
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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PROJECT:
Norwich to
Tilbury

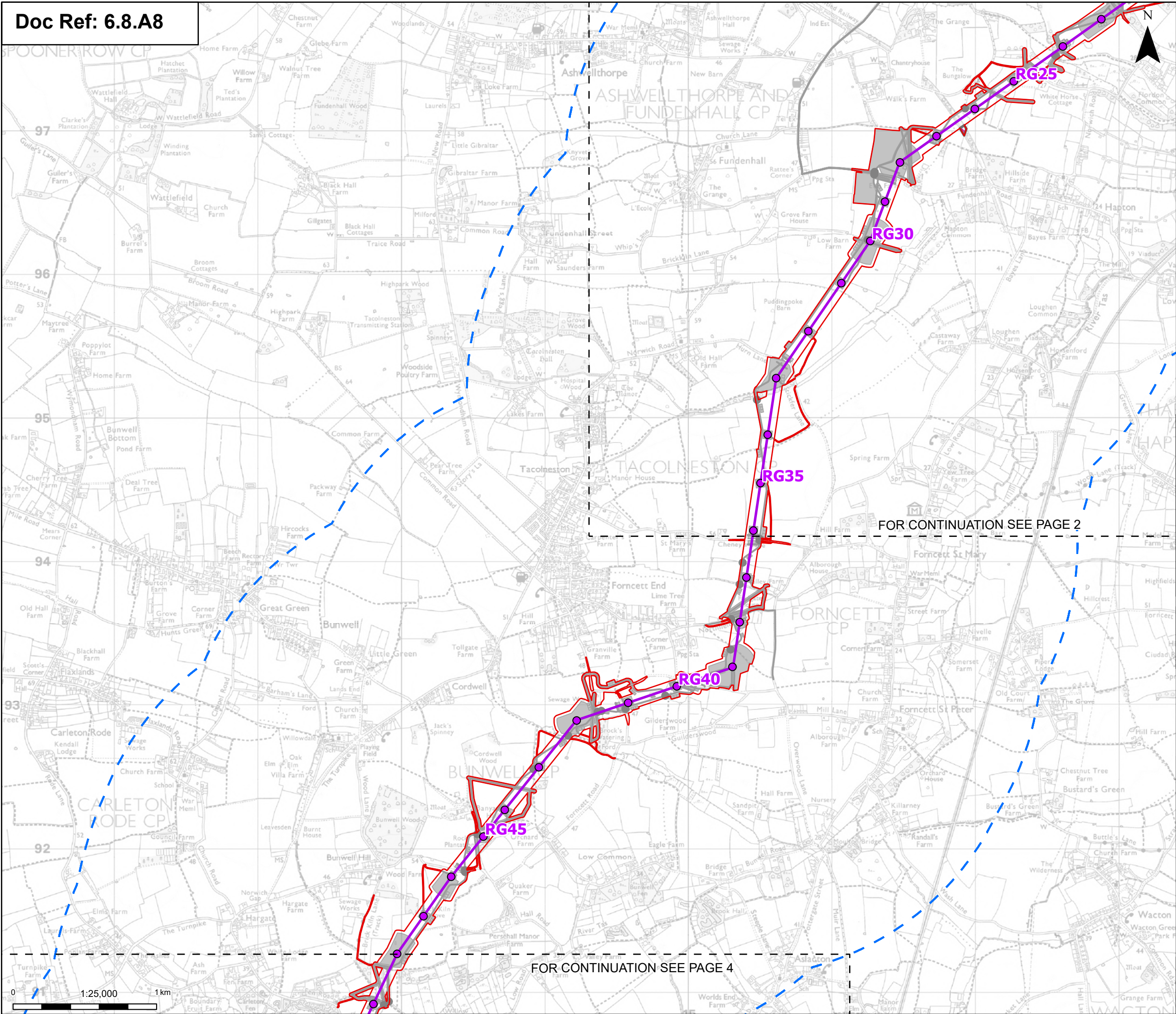
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.15 - Ecology and Biodiversity
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Gulls & Terns (Desk Study Data 2013-2022)
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description: Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00328			Revision: A

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Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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Suitability Description:			
Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00328			Revision: A

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Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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PROJECT:
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Title:
Figure A8.8.15 - Ecology and Biodiversity
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Approved	K. Burrows	Date	21 Aug 25
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Drawing Number:
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Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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Title:
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Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

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7(CM)

1(BH)

RG110

RG105

RG100

RG95

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RG120

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Black-headed gull (BH)

Common gull (CM)

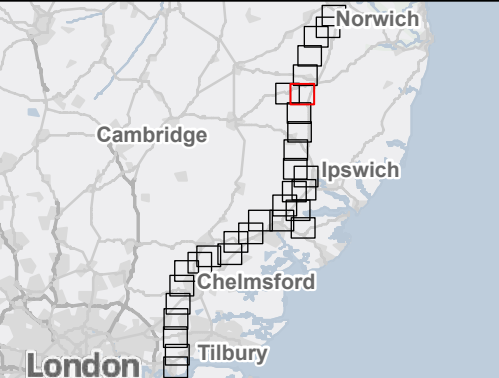
Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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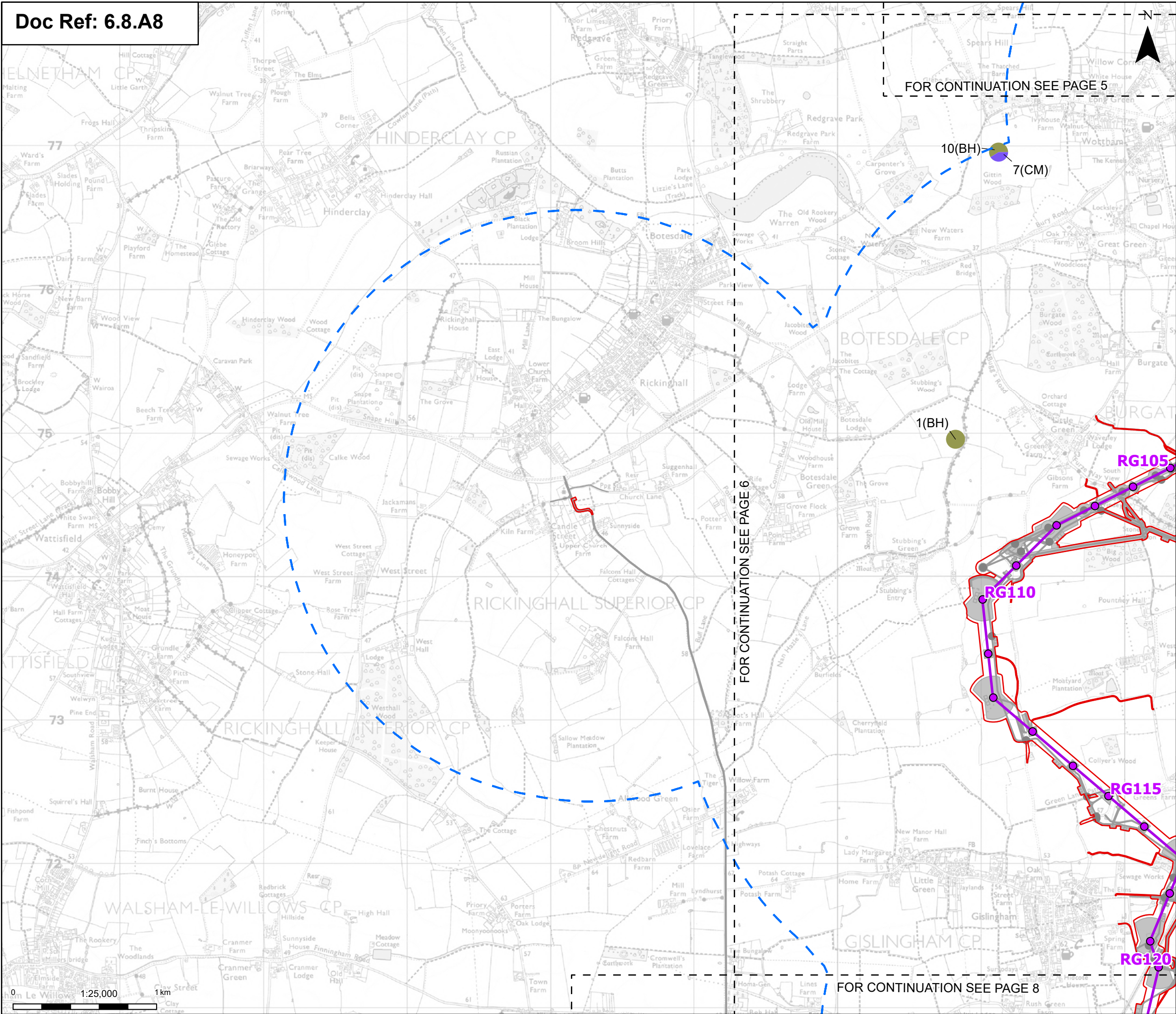
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- 2 km Study Area

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

- Black-headed gull (BH)
- Common gull (CM)
- Great Black-backed gull (GB)
- Lesser Black-backed gull (LB)
- Yellow-legged gull (YG)

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

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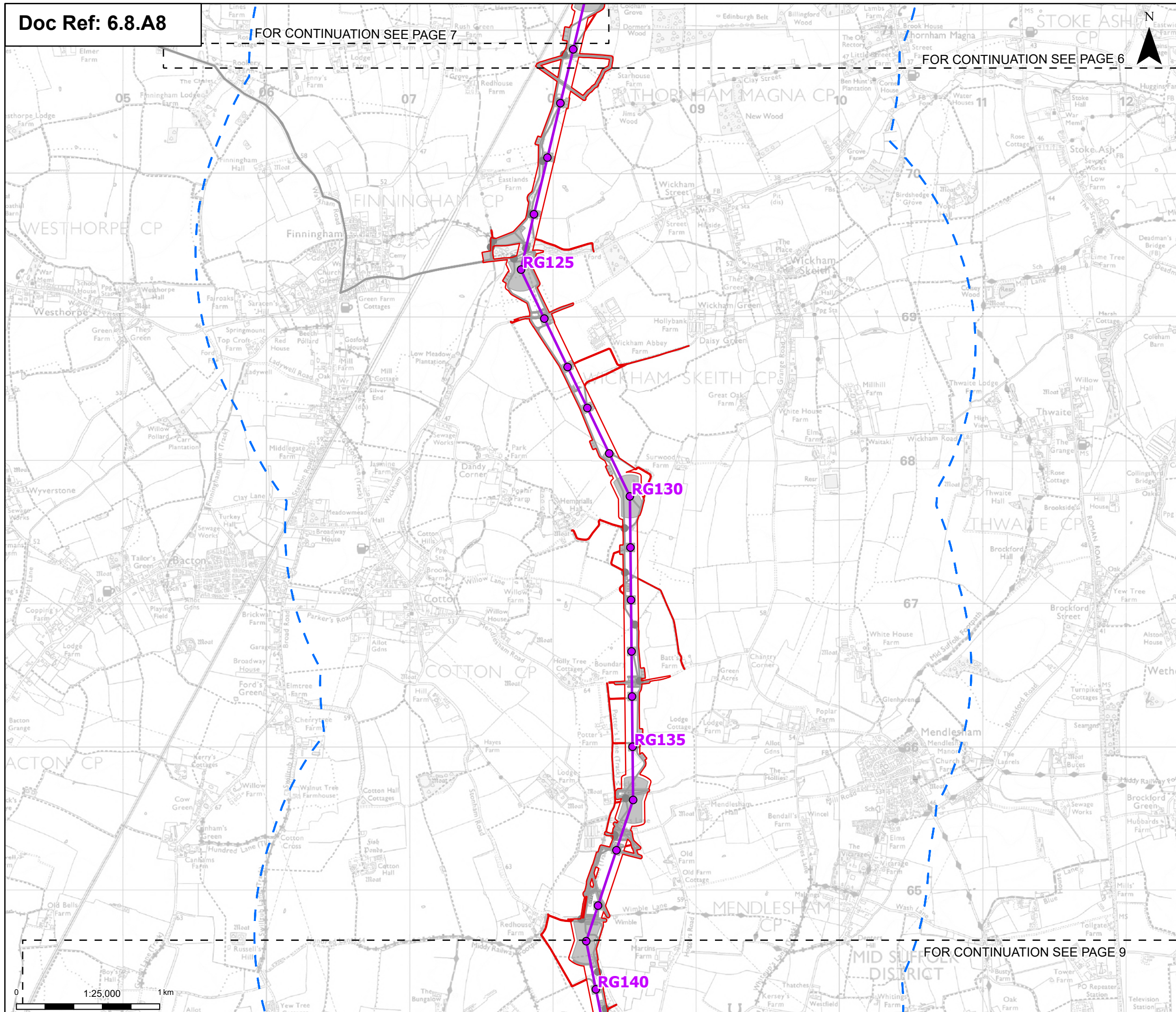
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 2 km Study Area

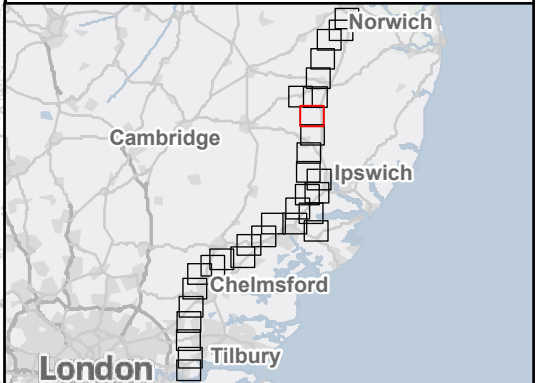
Collision risk secondary species - Gulls & Terns total abundance (desk study data 2014-2022)



Species	Color
Black-headed gull (BH)	Olive green
Common gull (CM)	Purple
Great Black-backed gull (GB)	Pink
Lesser Black-backed gull (LB)	Light blue
Yellow-legged gull (YG)	Bright green

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

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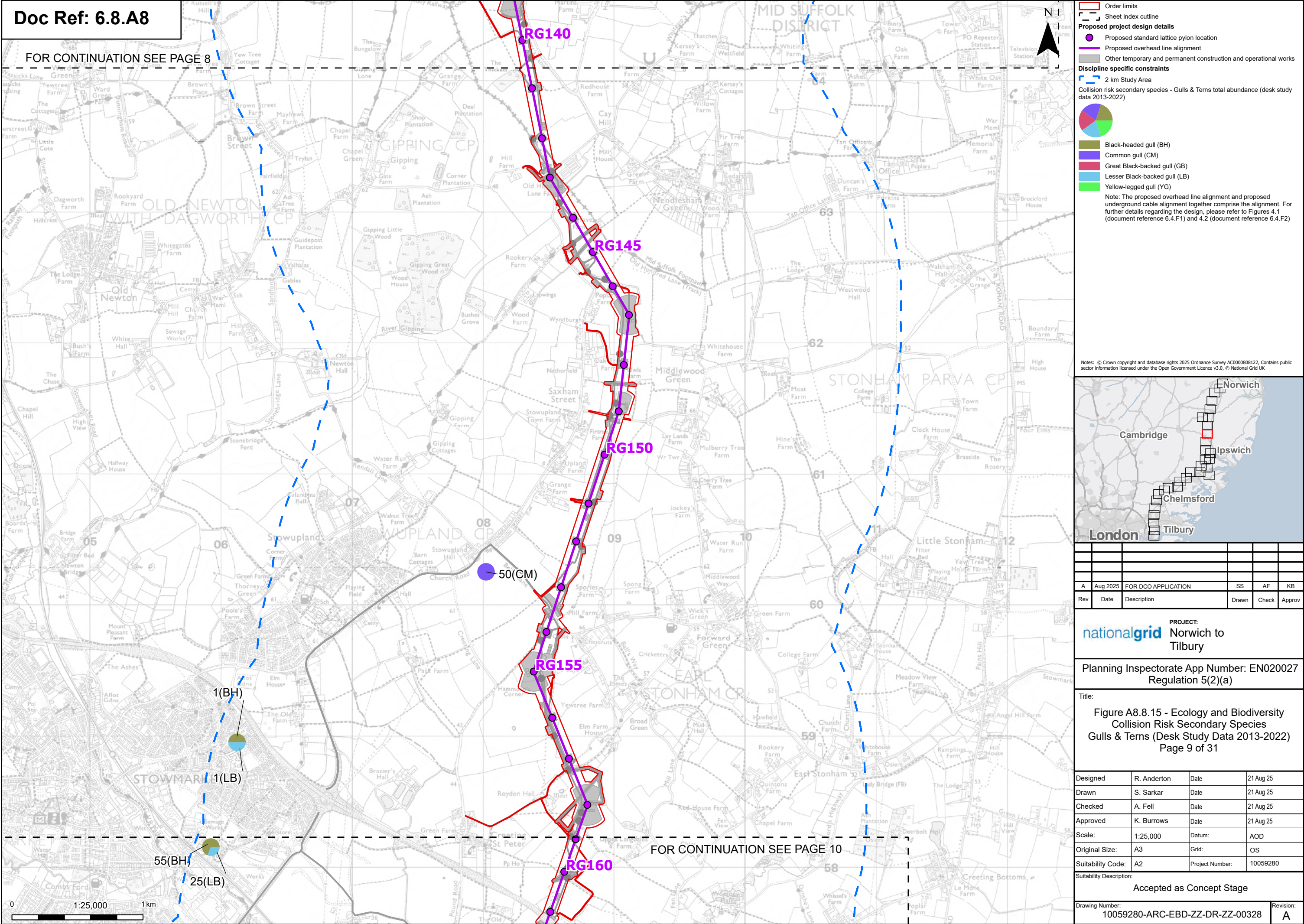
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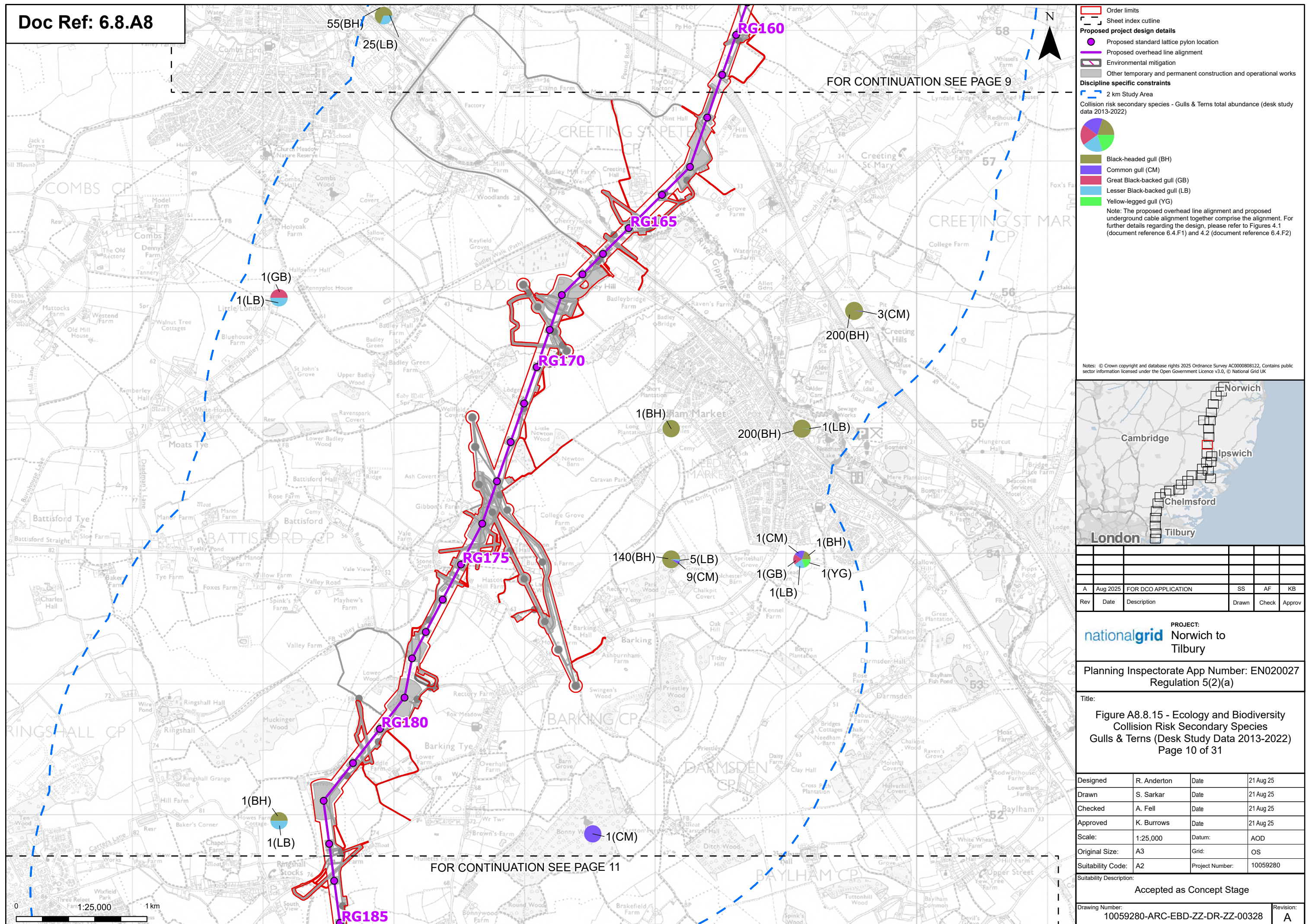
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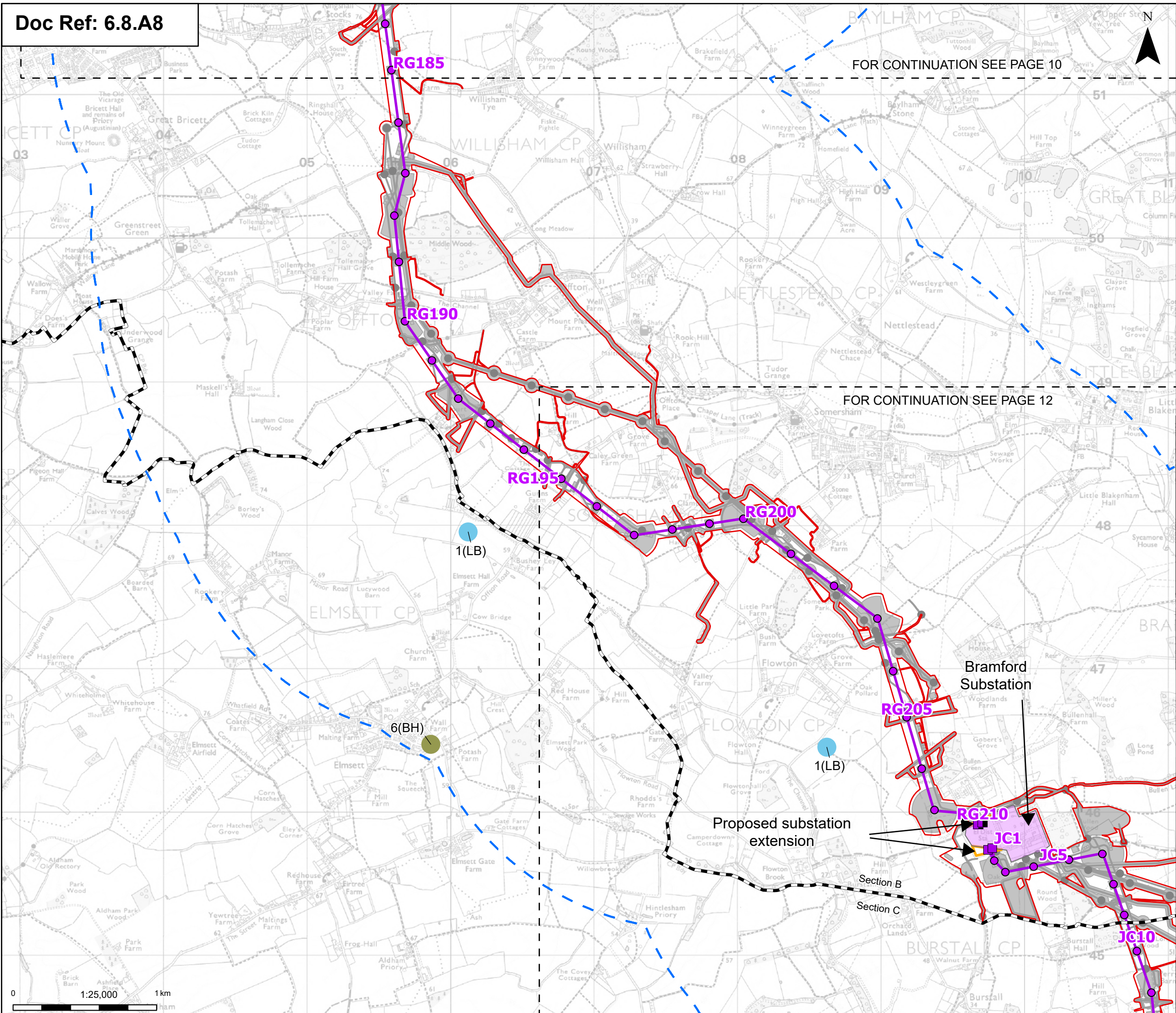
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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Bramford Substation

Bramford Substation Extension

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Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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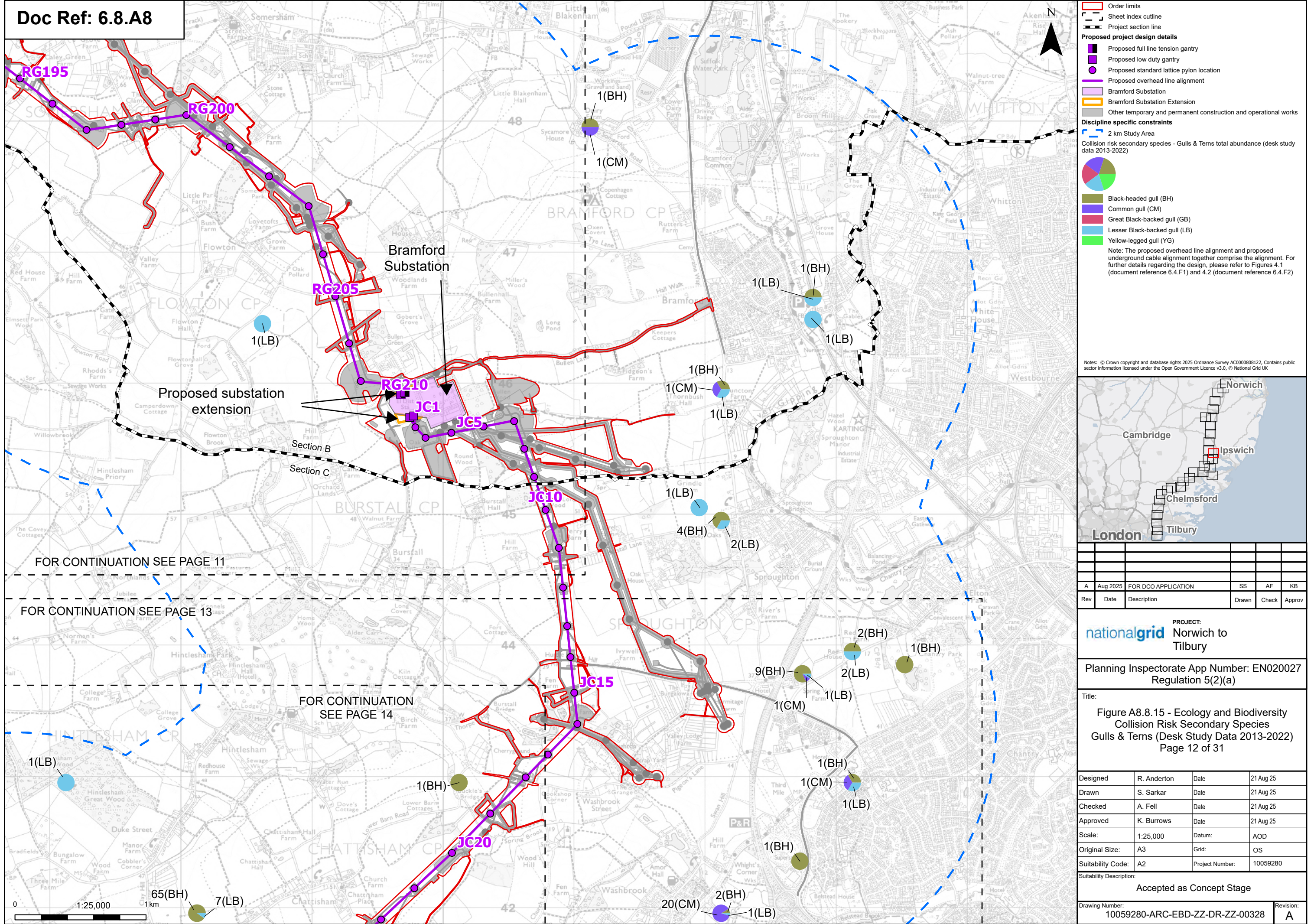
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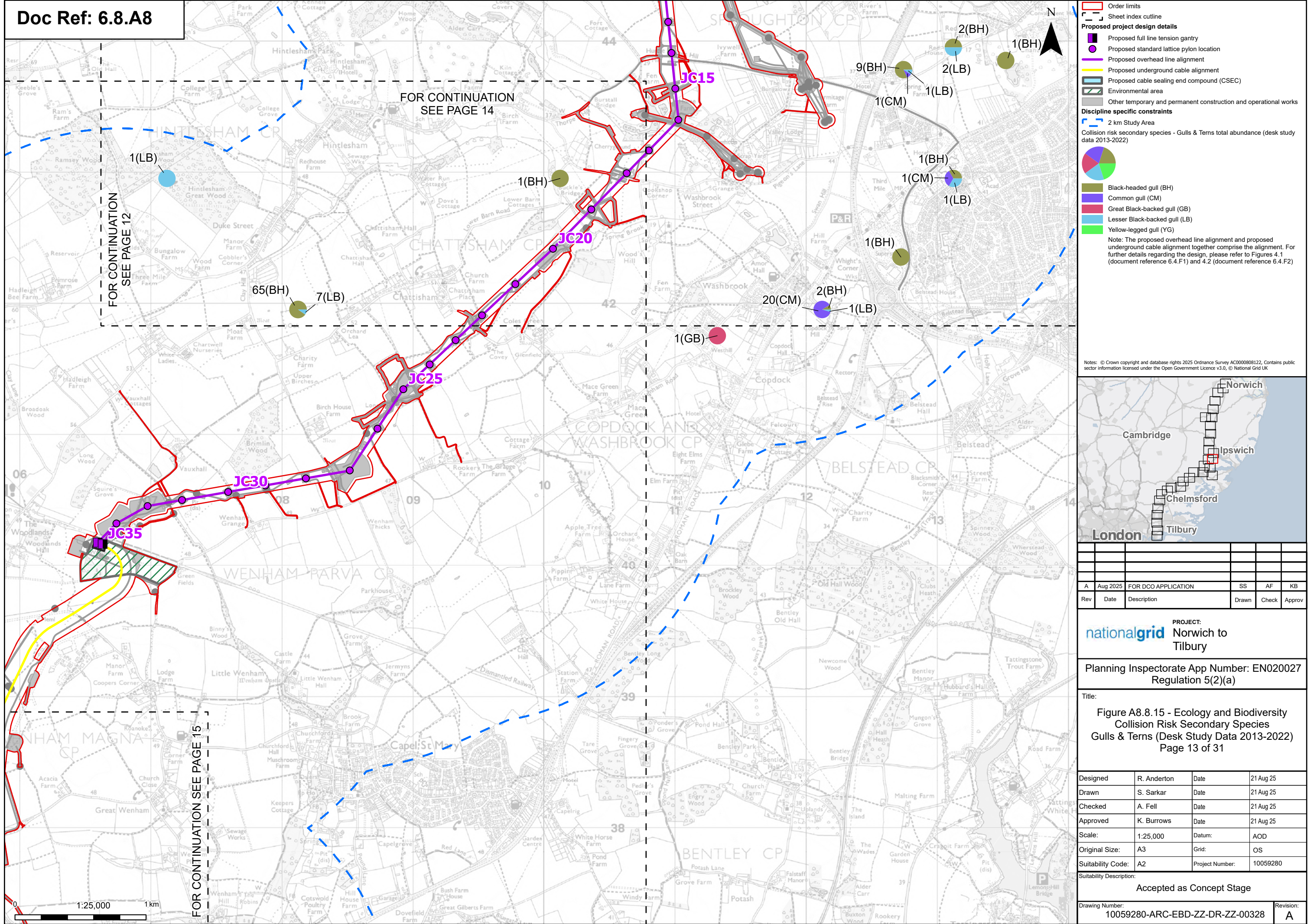
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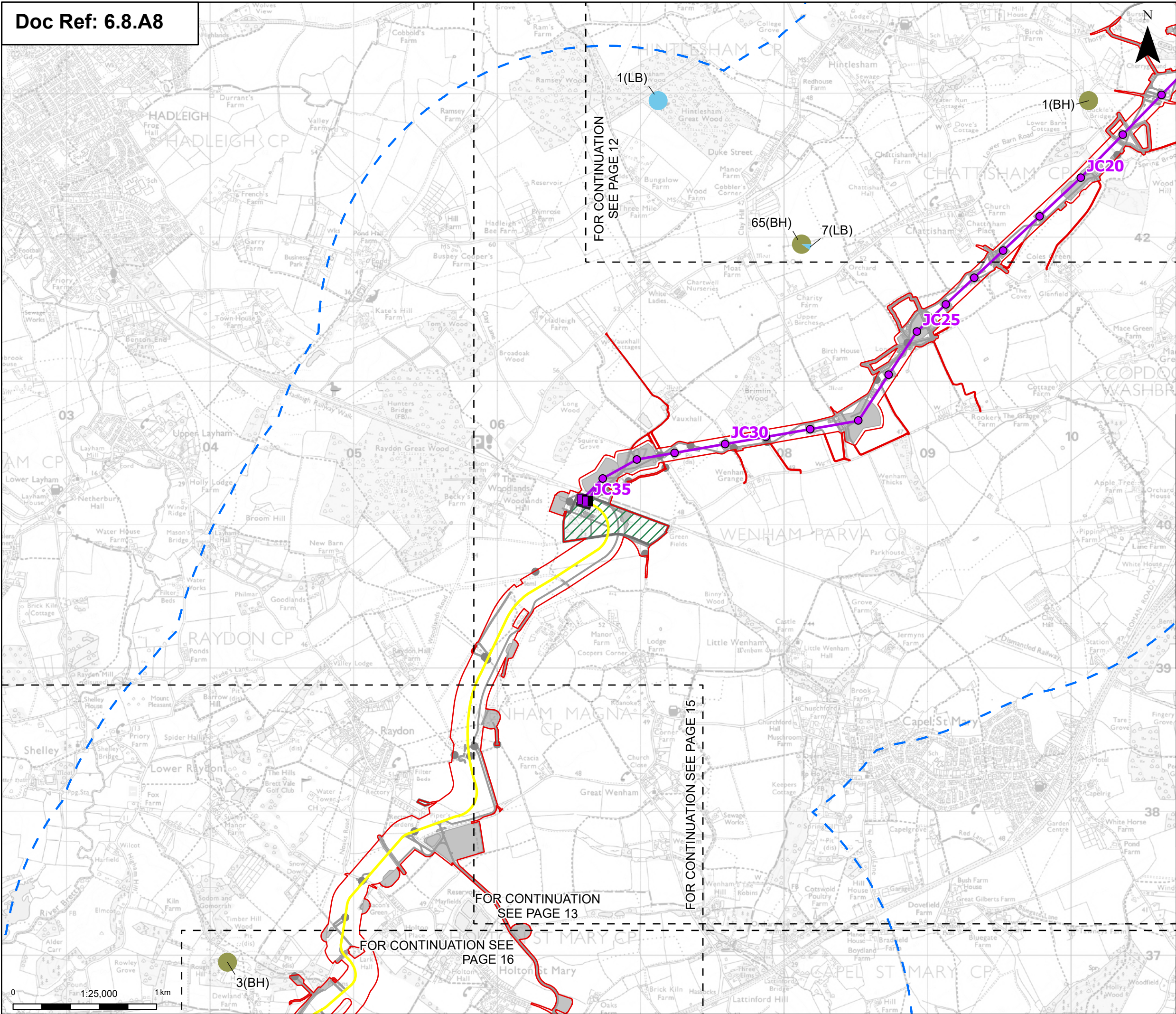
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Collision risk secondary species - Gulls & Terns total abundance (desk study data 2013-2022)

Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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PROJECT:

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Norwich to Tilbury

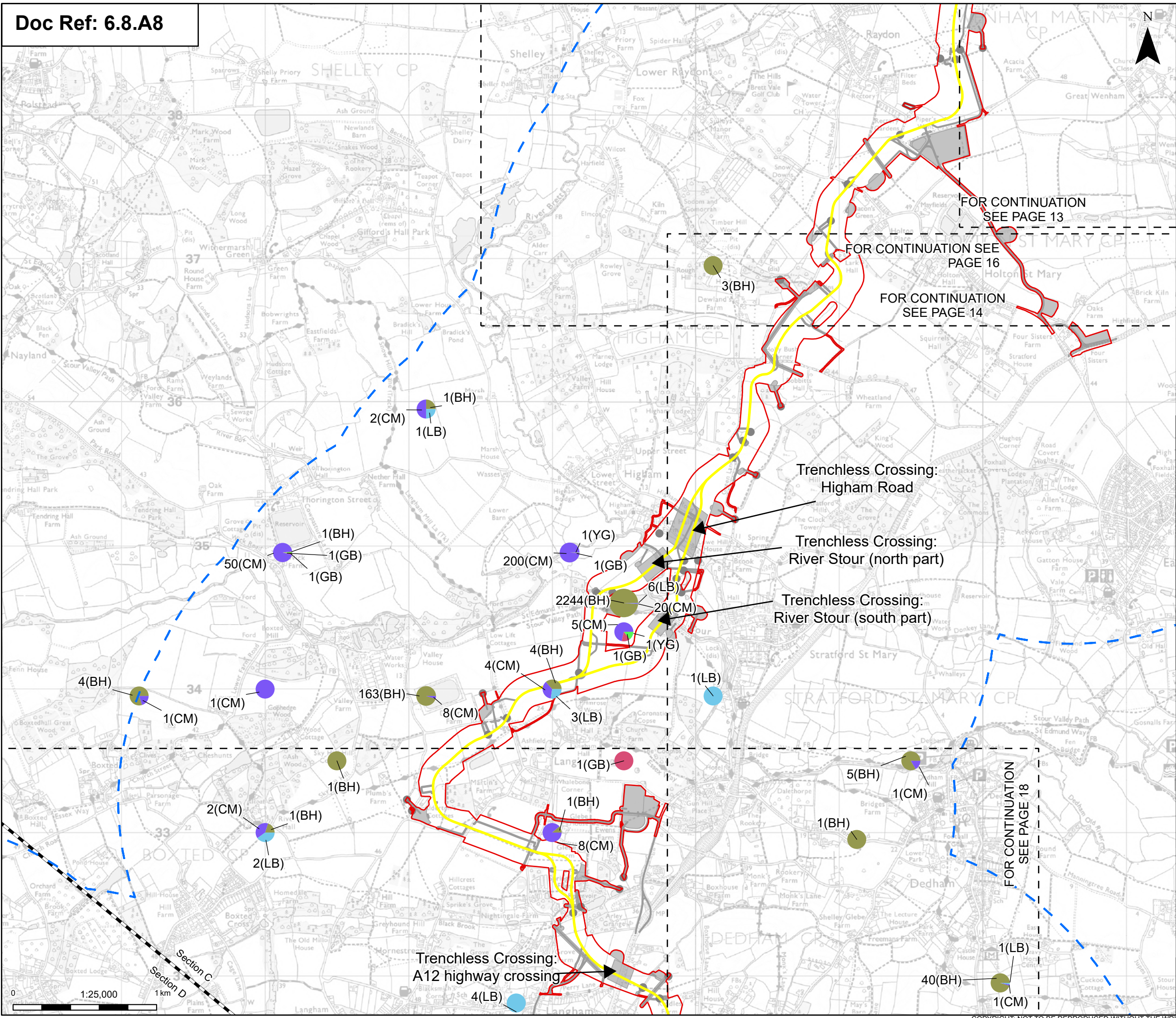
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

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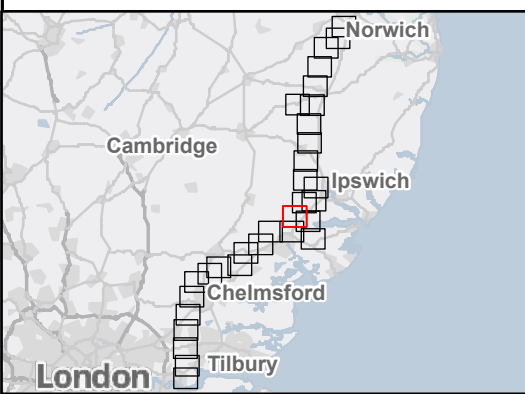
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Black-headed gull (BH)
 Common gull (CM)
 Great Black-backed gull (GB)
 Lesser Black-backed gull (LB)
 Yellow-legged gull (YG)

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

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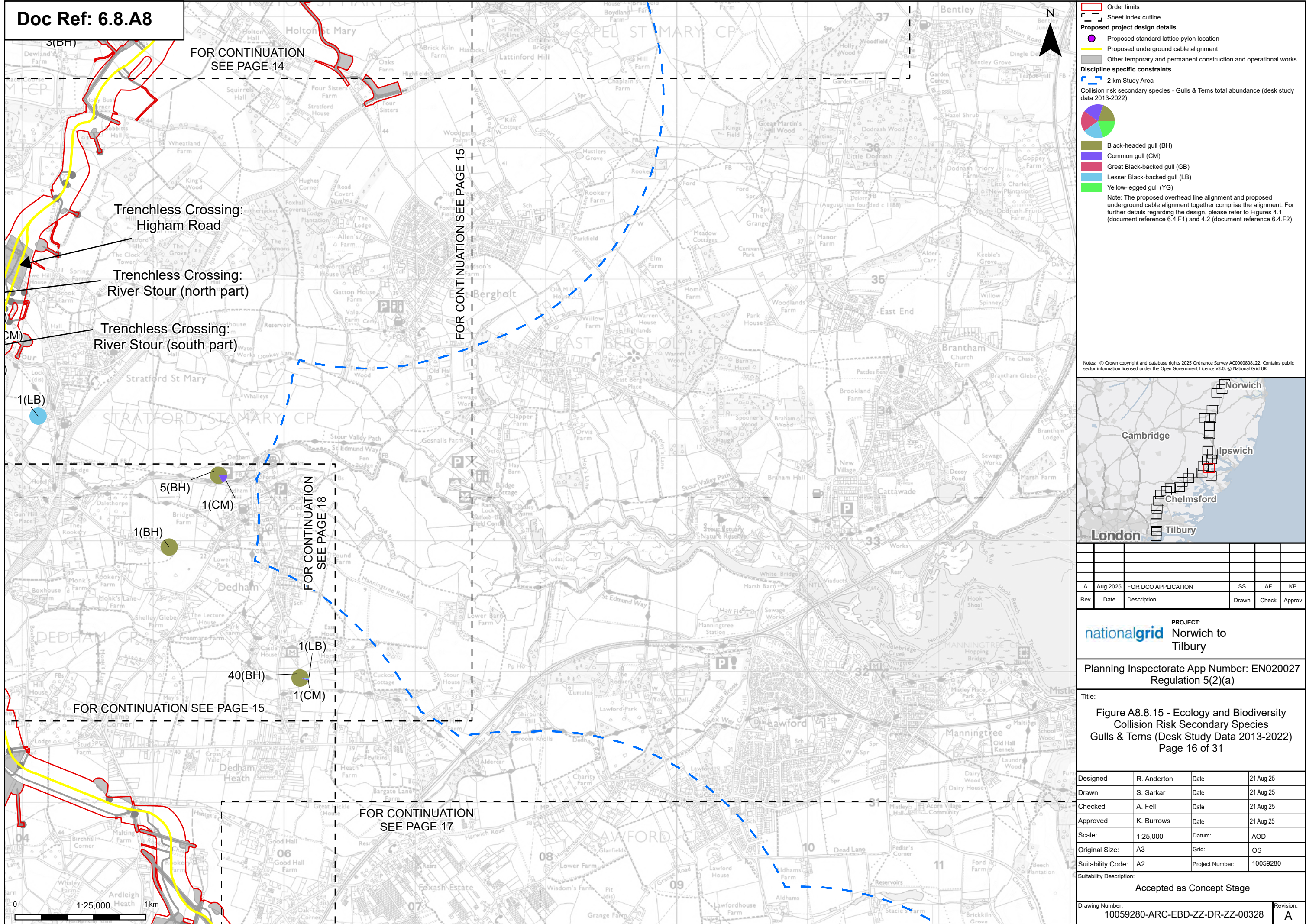
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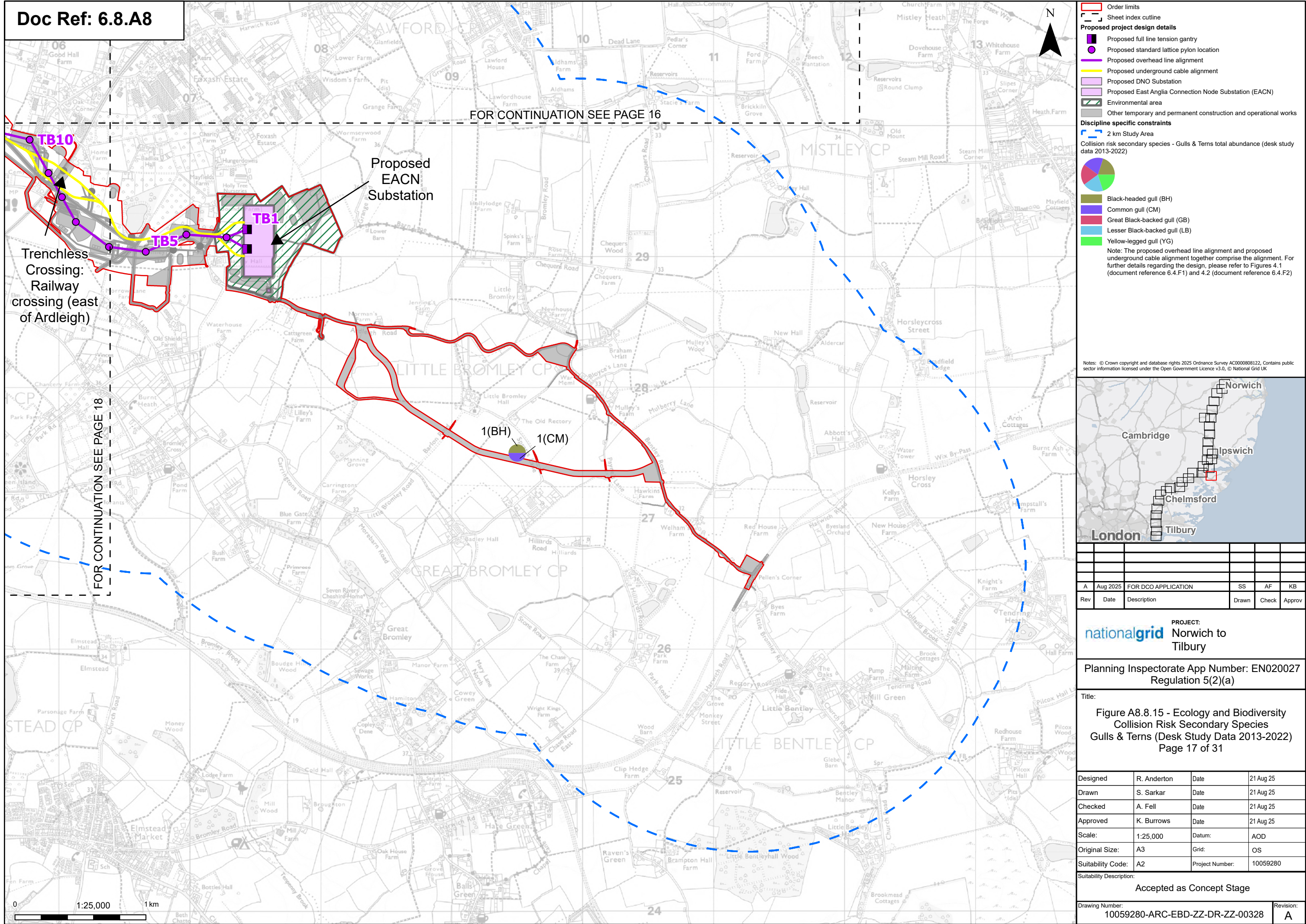
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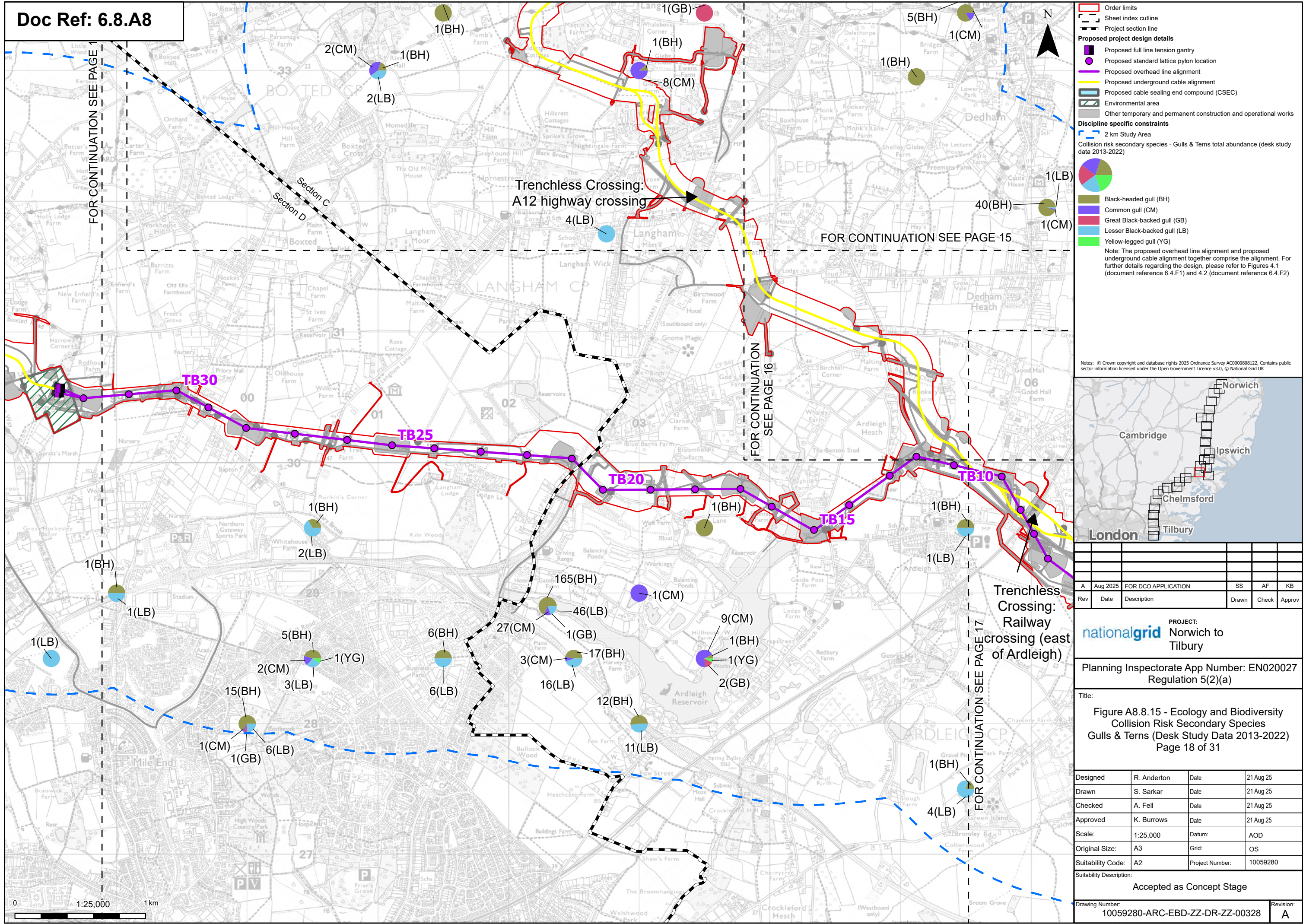
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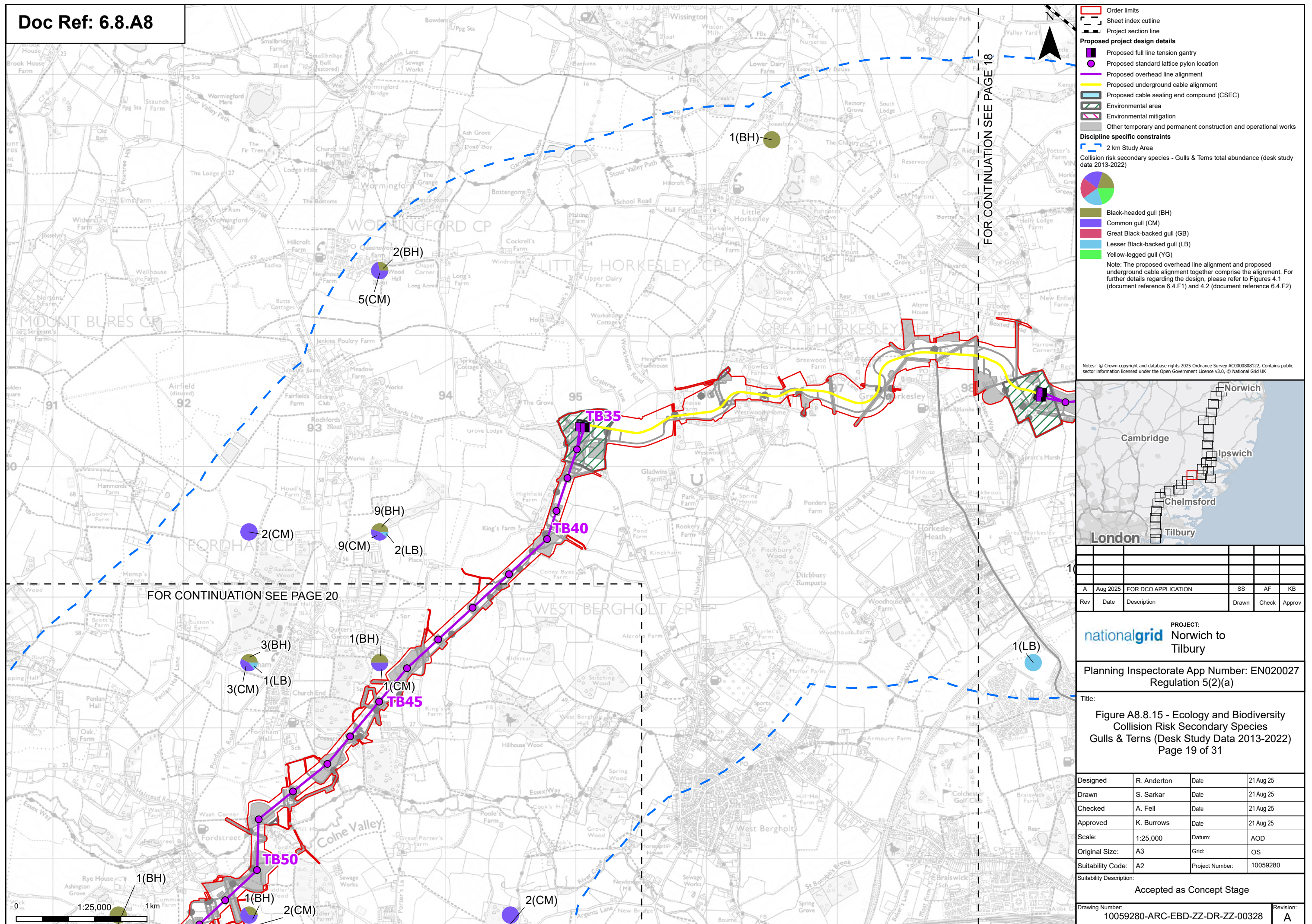
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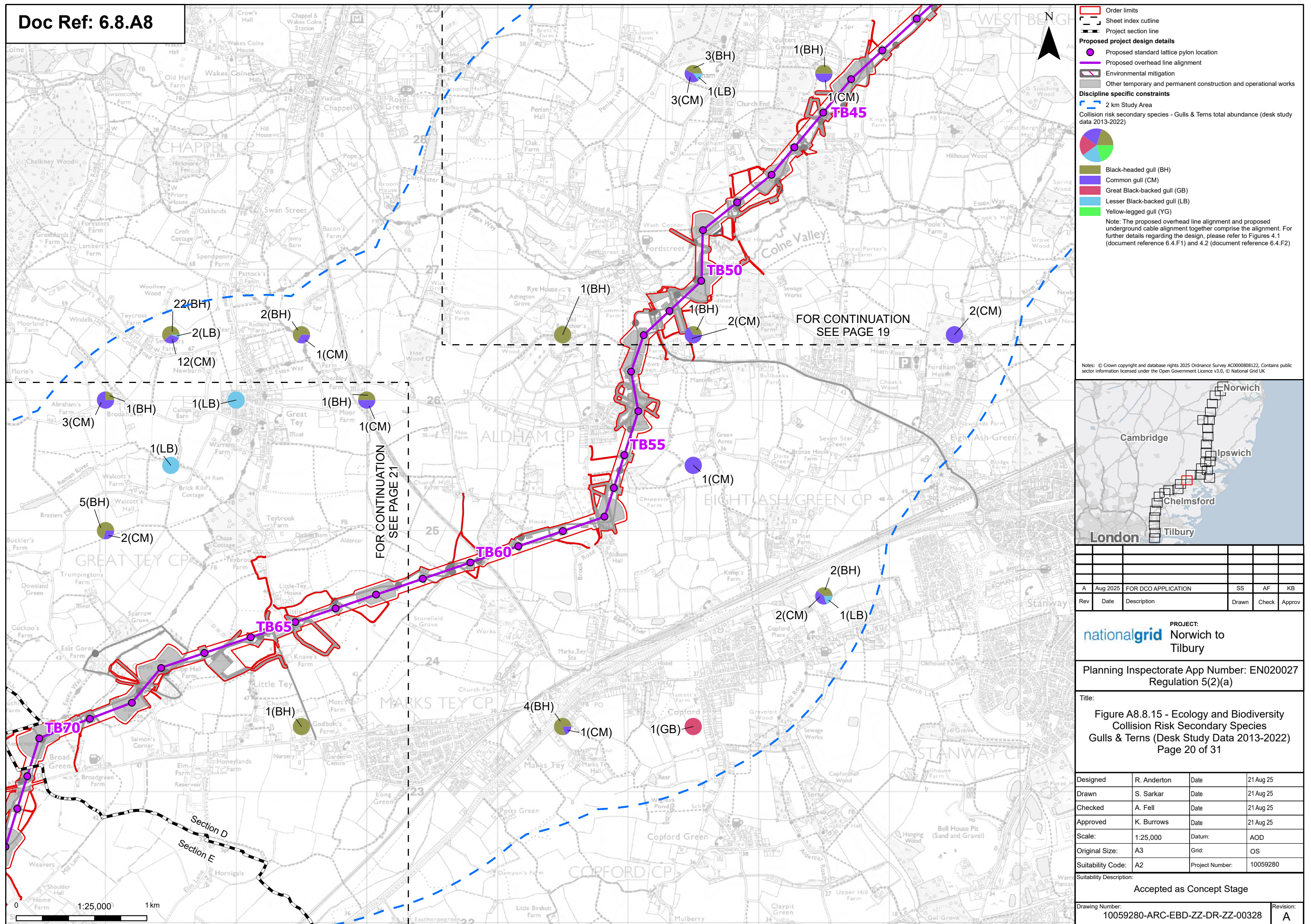
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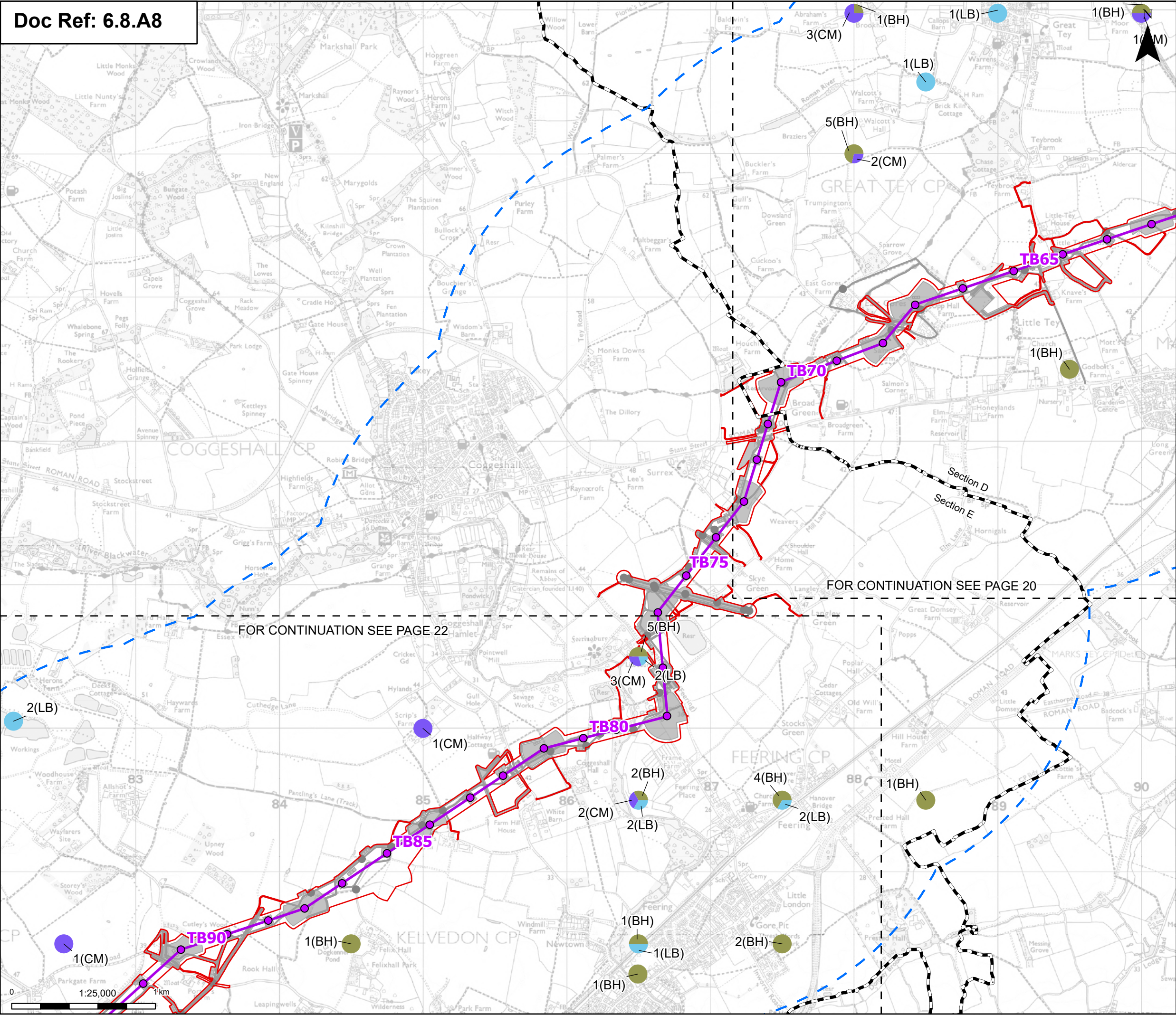












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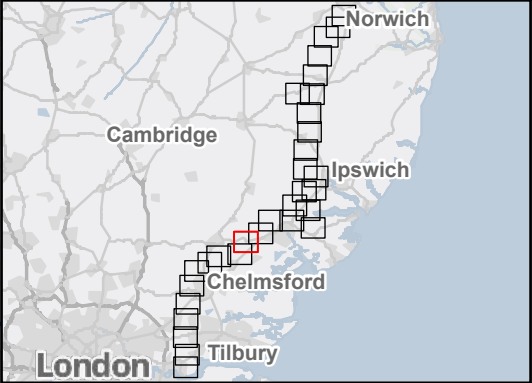
- 2 km Study Area
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Legend

- Black-headed gull (BH)
- Common gull (CM)
- Great Black-backed gull (GB)
- Lesser Black-backed gull (LB)
- Yellow-legged gull (YG)

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

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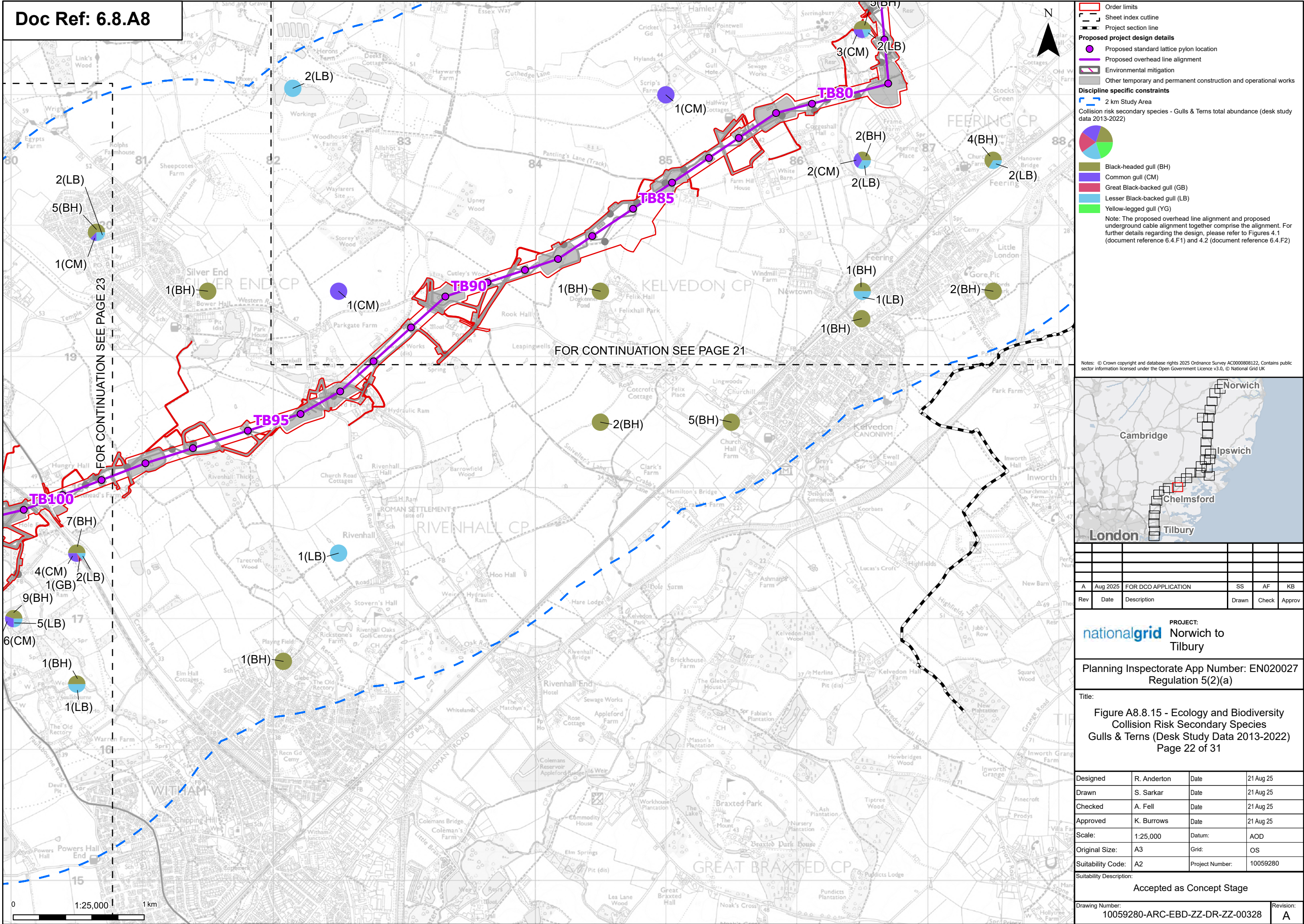
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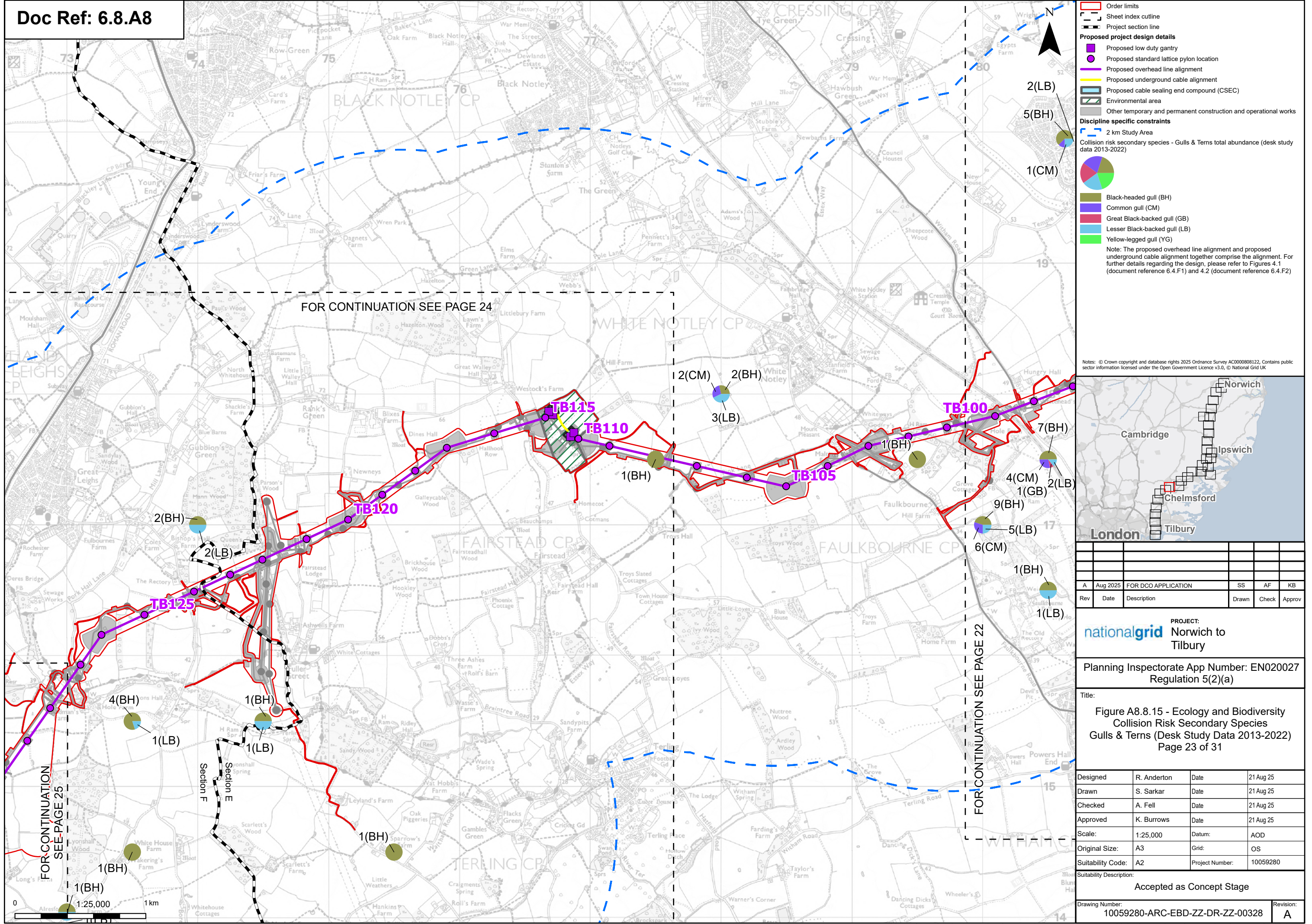
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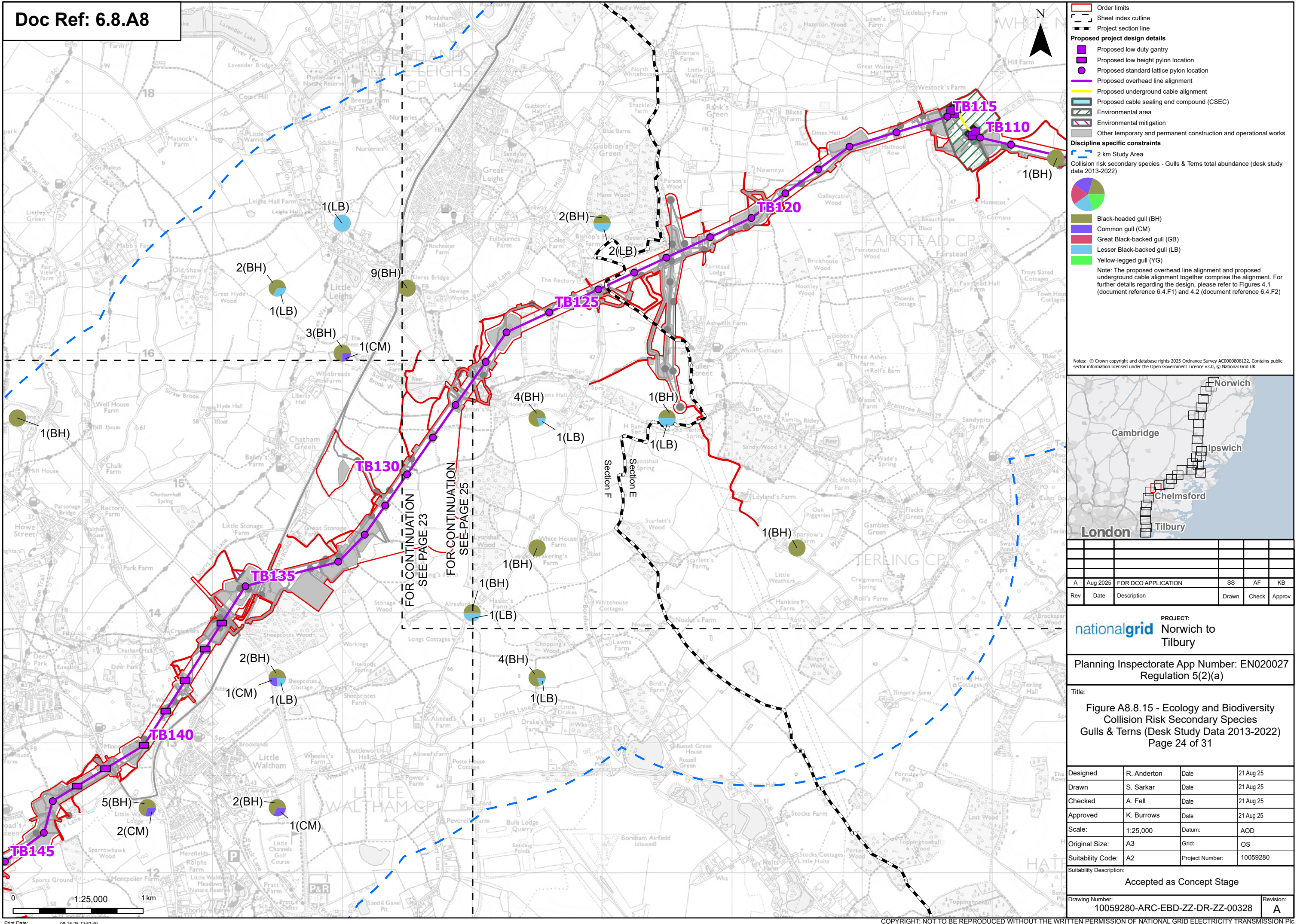
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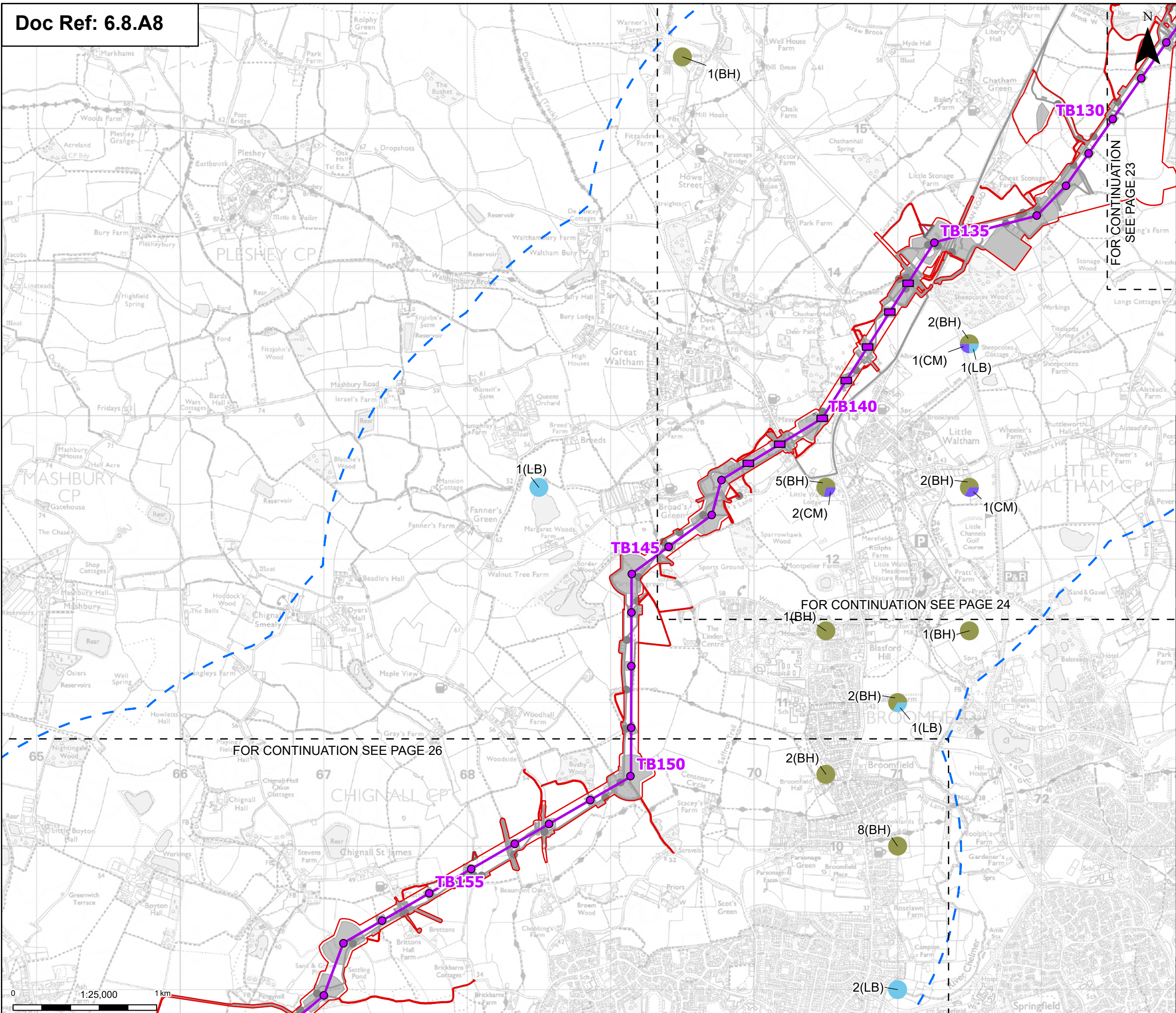
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Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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Rev	Date	Description	Drawn	Check	Approv

nationalgrid

PROJECT:
Norwich to
Tilbury

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

Title:

Figure A8.8.15 - Ecology and Biodiversity
Collision Risk Secondary Species
Gulls & Terns (Desk Study Data 2013-2022)
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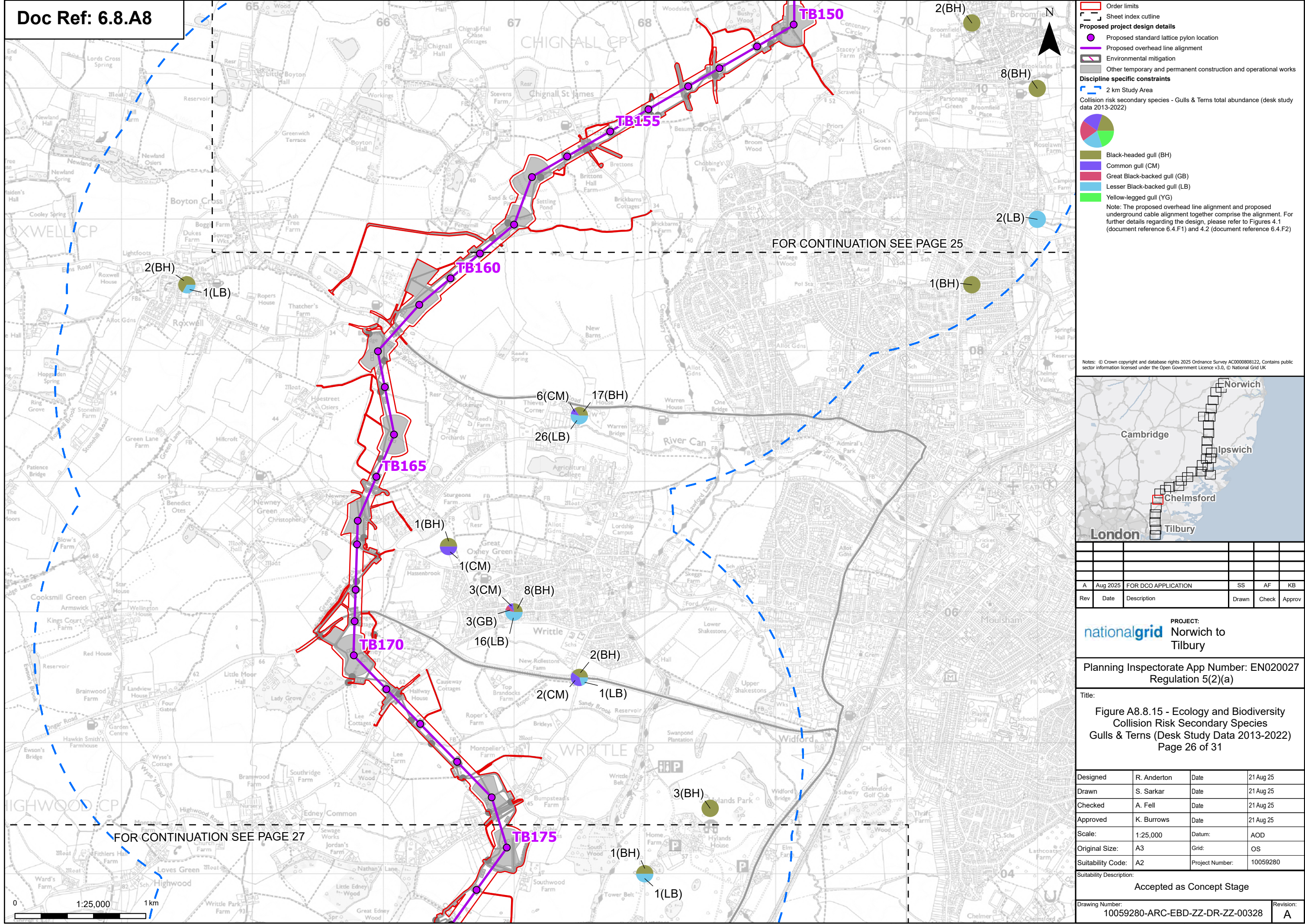
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

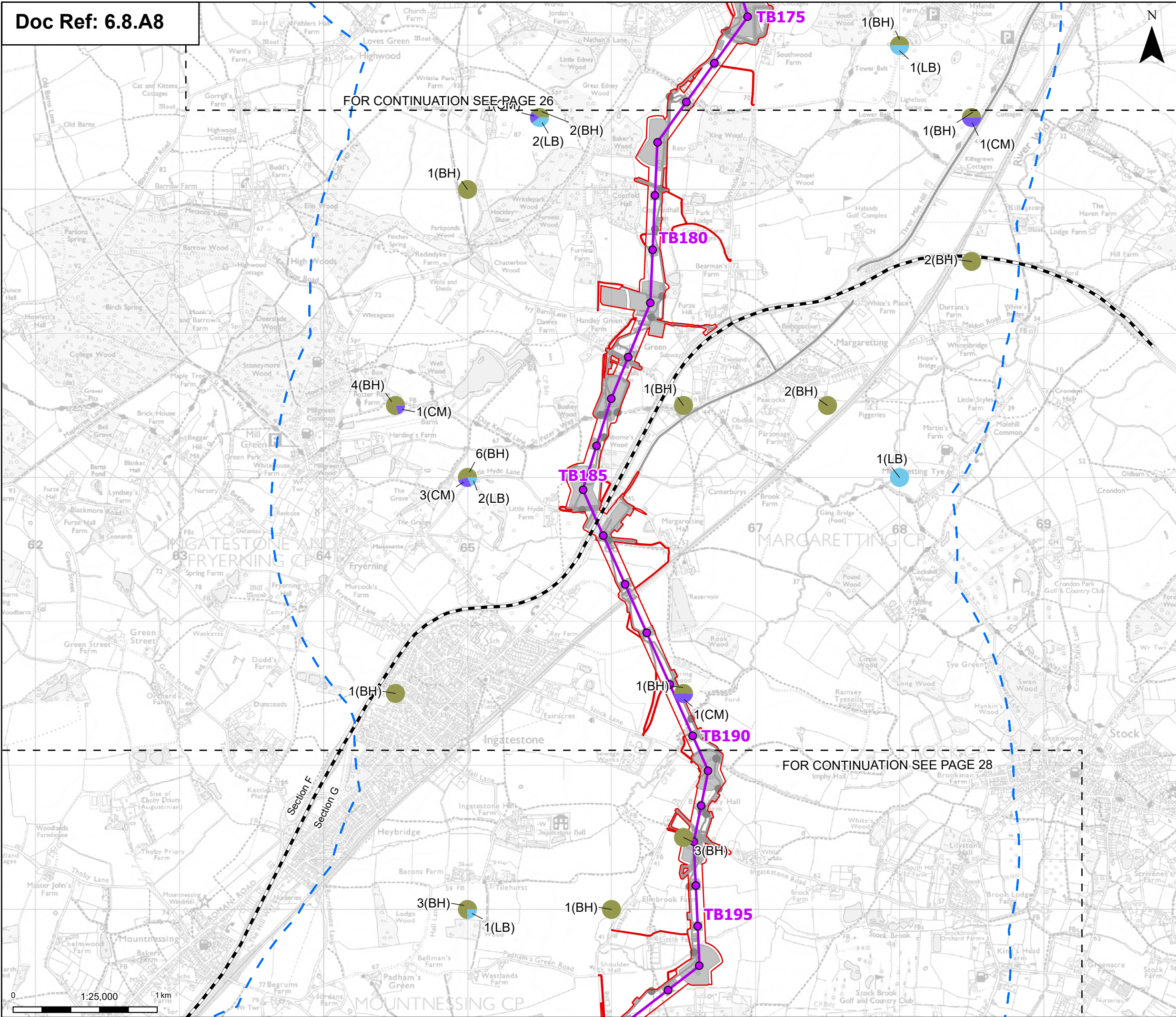
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Accepted as Concept Stage

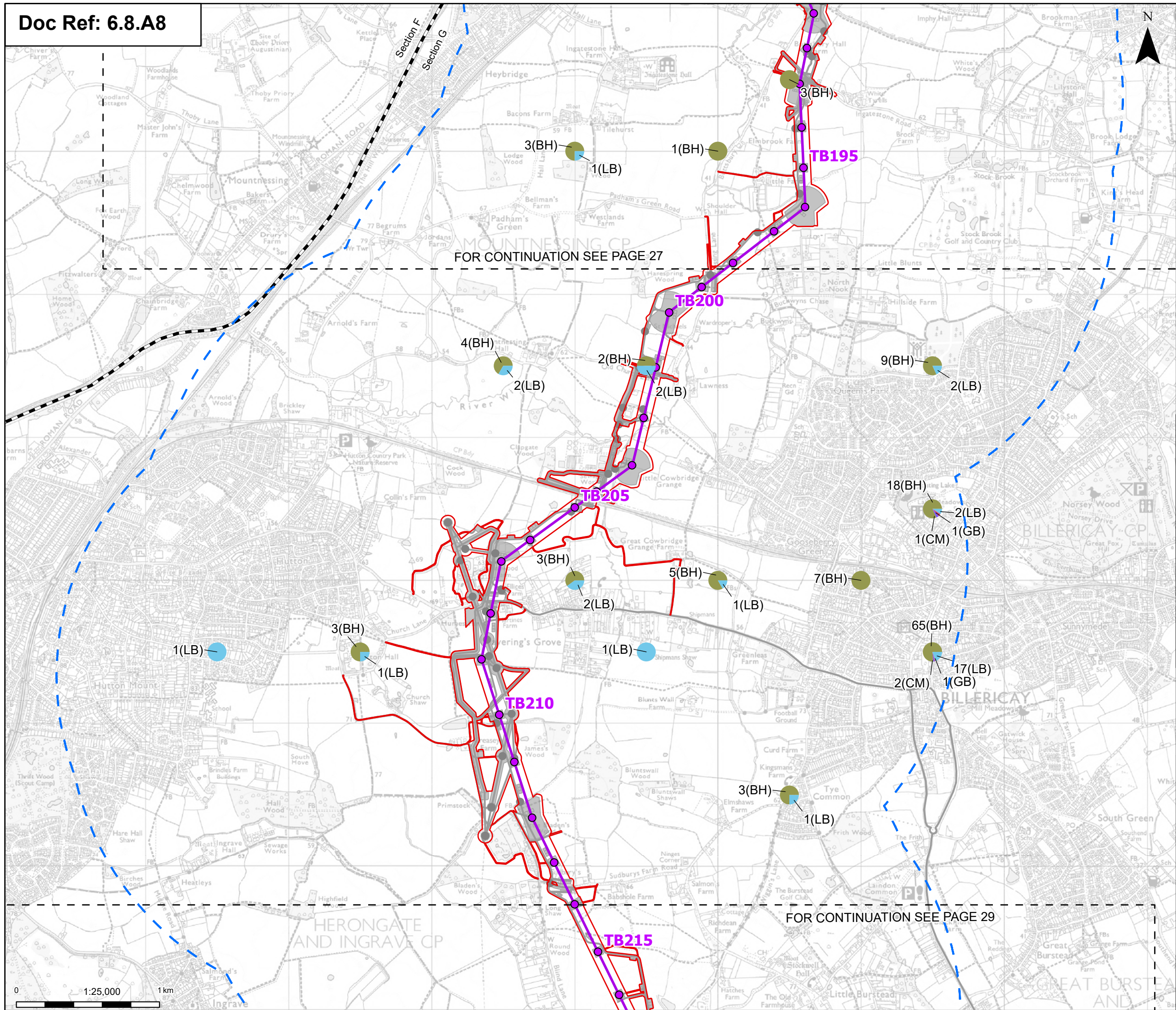
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Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed 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 - Gulls & Terns total abundance (desk study data 2013-2022)

Black-headed gull (BH)

Common gull (CM)

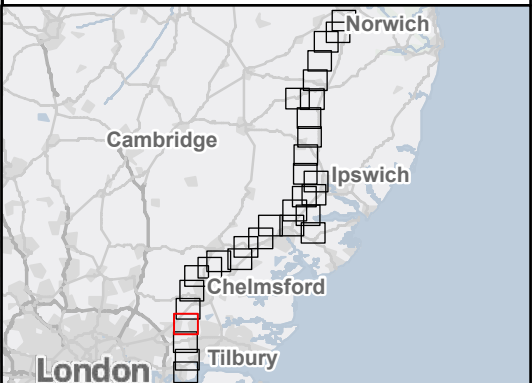
Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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PROJECT:

nationalgrid

Norwich to Tilbury

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

Title:

Figure A8.8.15 - Ecology and Biodiversity
Collision Risk Secondary Species
Gulls & Terns (Desk Study Data 2013-2022)
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Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00328	Revision:	A
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FOR CONTINUATION SEE PAGE 30

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- Sheet index cutline
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- Proposed project design details
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 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Environmental mitigation
 - Other temporary and permanent construction and operational works
- Discipline specific constraints
- 2 km Study Area
 - Collision risk secondary species - Gulls & Terns total abundance (desk study data 2013-2022)



Black-headed gull (BH)

Common gull (CM)

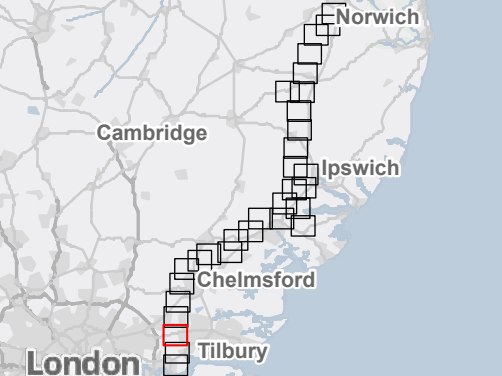
Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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PROJECT: nationalgrid Norwich to Tilbury

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

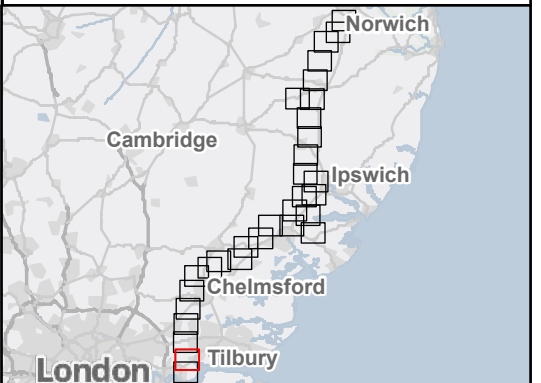
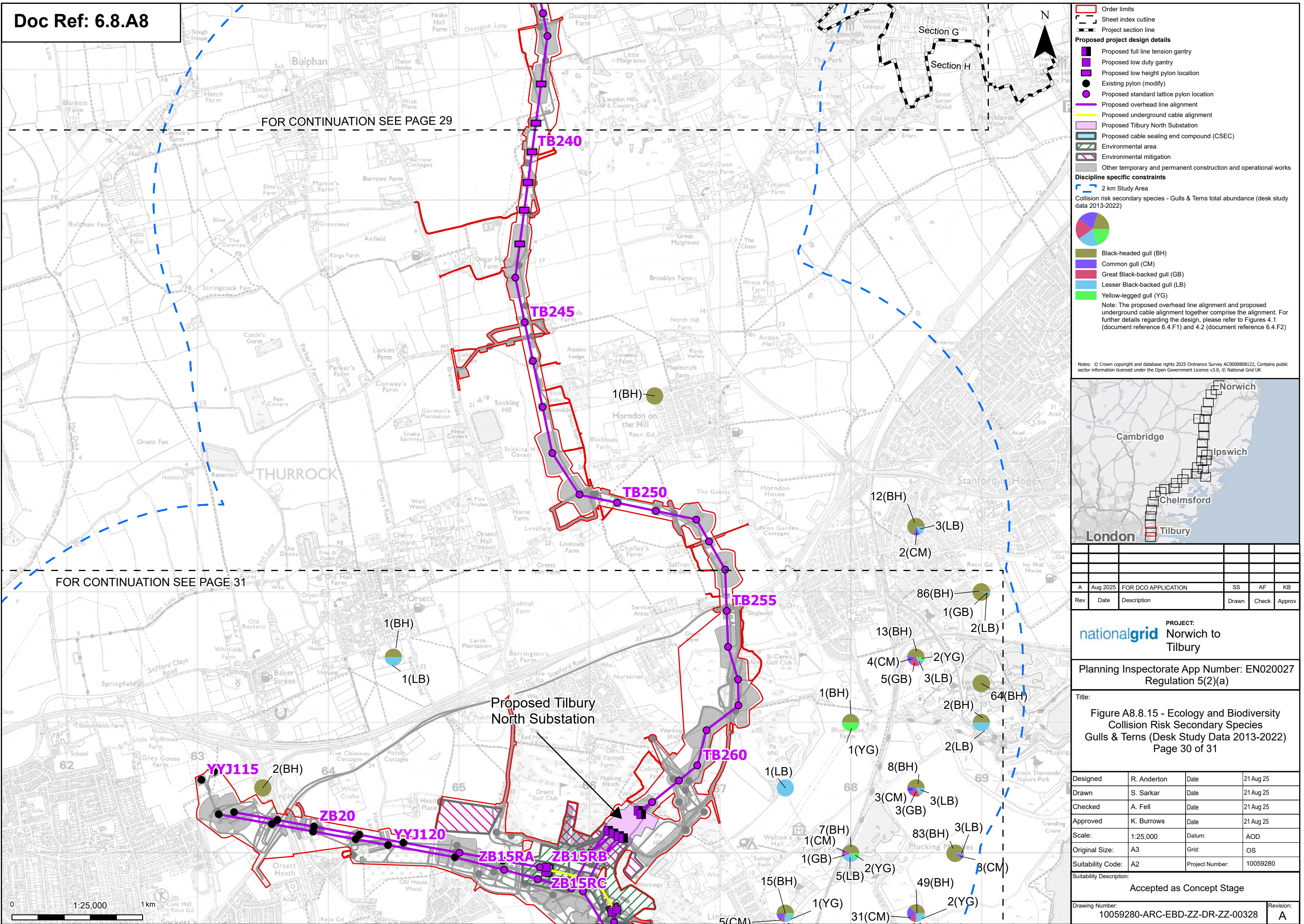
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Collision Risk Secondary Species
Gulls & Terns (Desk Study Data 2013-2022)
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Accepted as Concept Stage

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Revision:
A



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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

PROJECT: Norwich to Tilbury

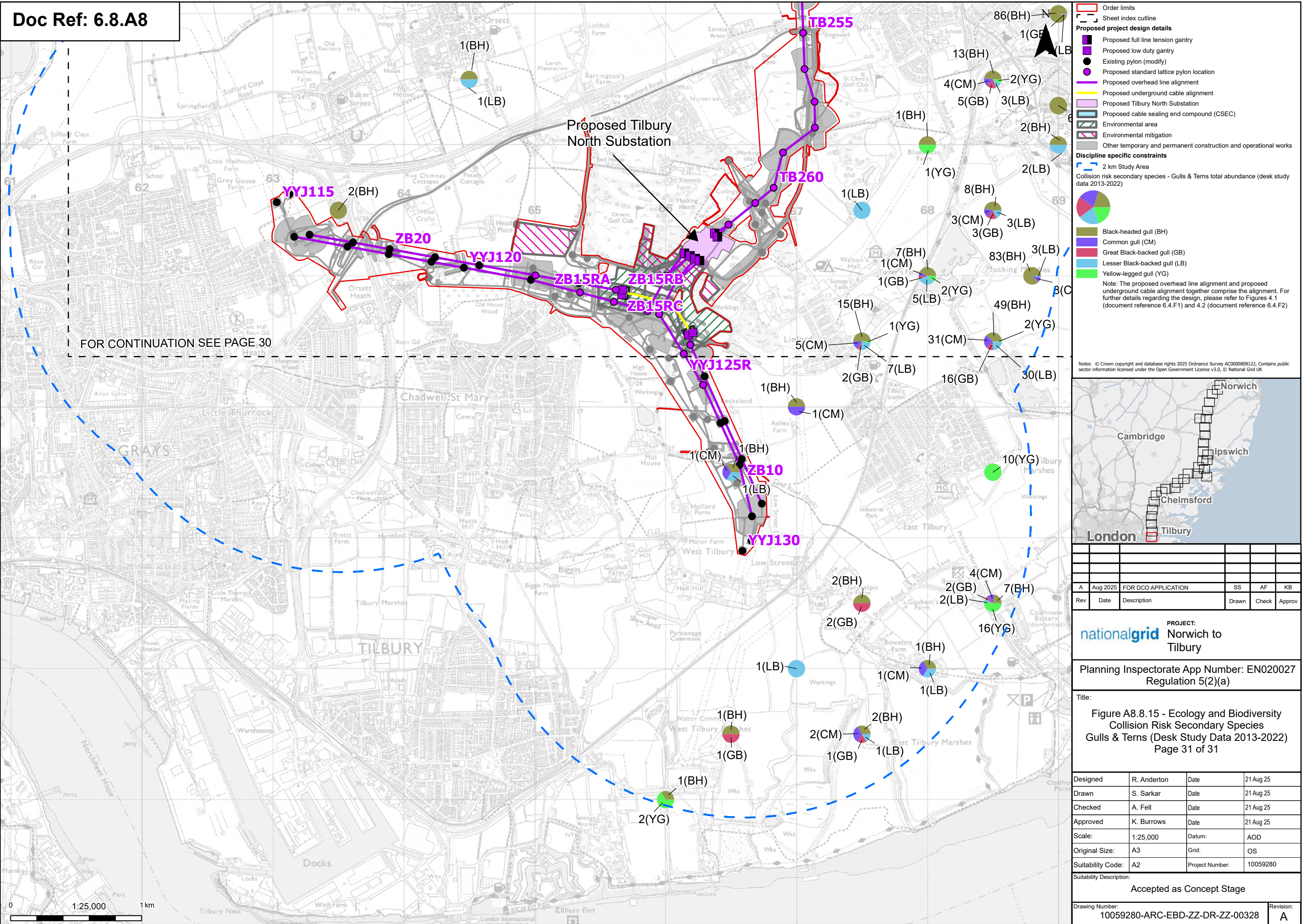
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Title: Figure A8.8.15 - Ecology and Biodiversity Collision Risk Secondary Species Gulls & Terns (Desk Study Data 2013-2022) Page 30 of 31

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

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00328	Revision: A
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Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed low duty gantry

Existing pylon (modify)

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed Tilbury North Substation

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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

Black-headed gull (BH)

Common gull (CM)

Great Black-backed gull (GB)

Lesser Black-backed gull (LB)

Yellow-legged gull (YG)

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

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Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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PROJECT:

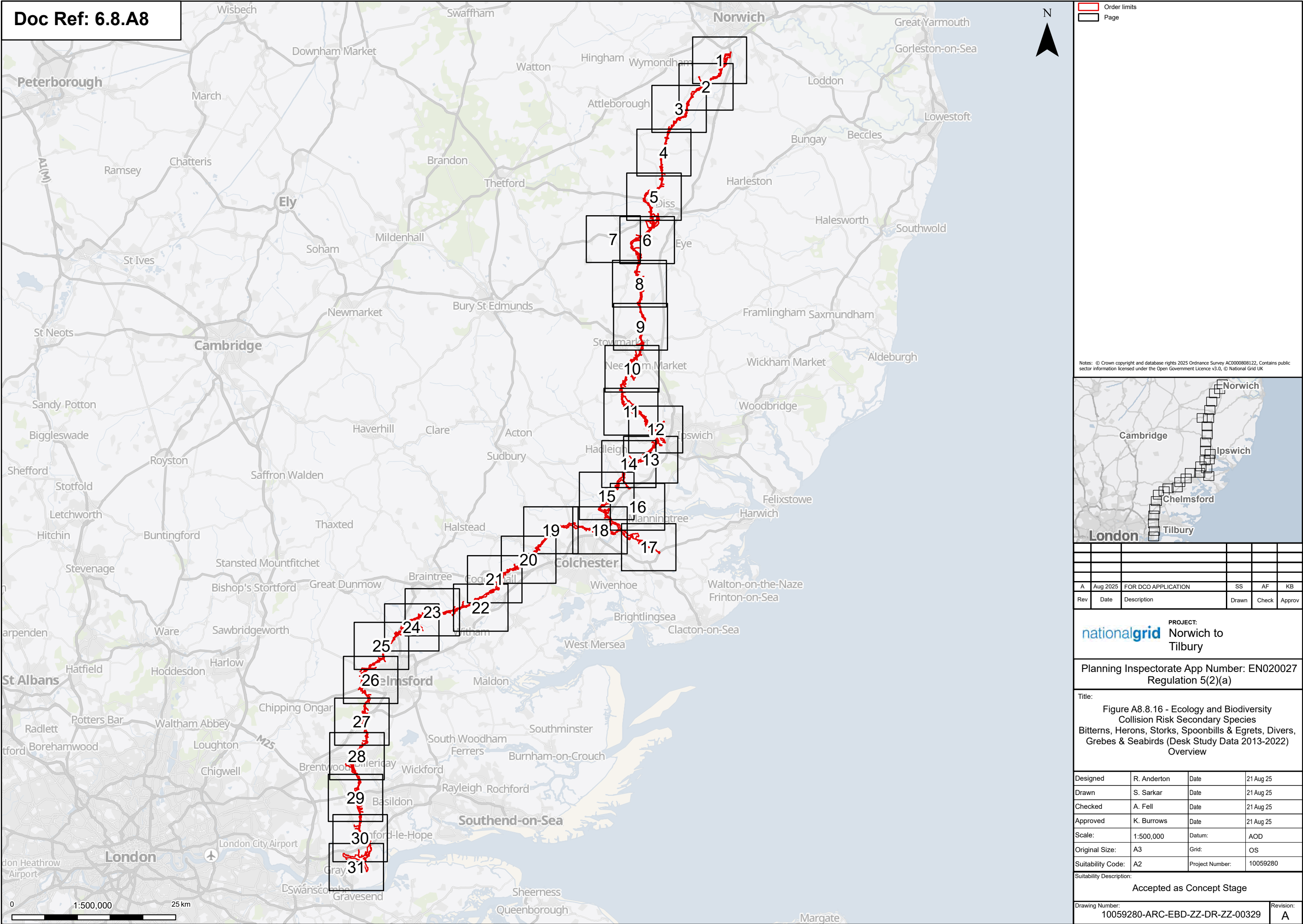
Norwich to Tilbury

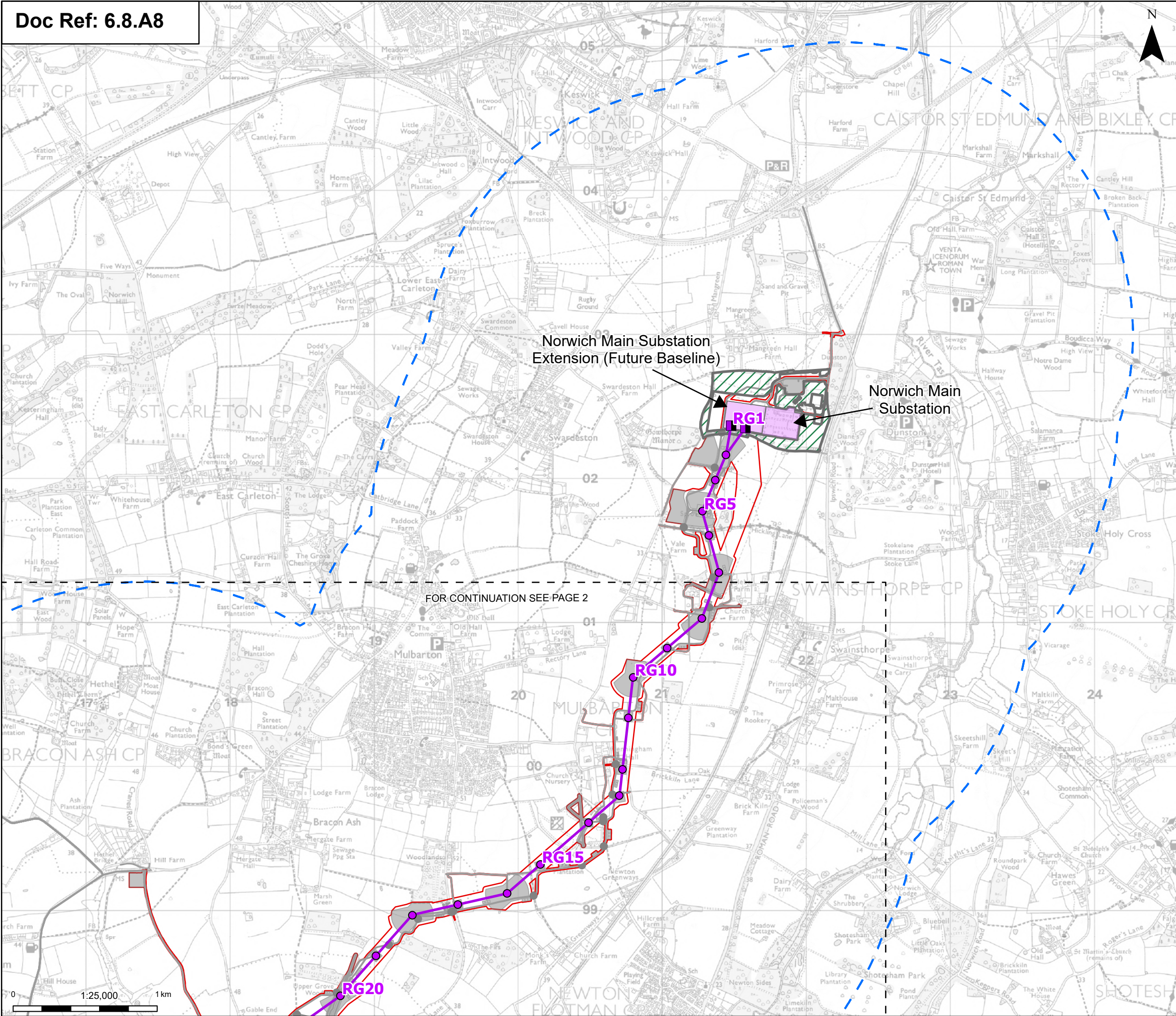
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Regulation 5(2)(a)

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Figure A8.8.15 - Ecology and Biodiversity
Collision Risk Secondary Species
Gulls & Terns (Desk Study Data 2013-2022)
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Suitability Code:	A2	Project Number:	10059280
Suitability Description:			
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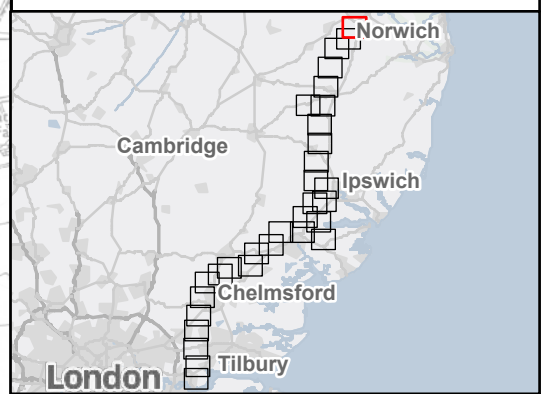
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 -  Sheet index outline
 - Proposed project design details**
 -  Proposed full line tension gantry
 -  Proposed standard lattice pylon location
 -  Proposed overhead line alignment
 -  Norwich Main Substation
 -  Norwich Main Substation Extension (future baseline)
 -  Environmental area
 -  Other temporary and permanent construction and operational works
 - Discipline specific constraints**
 -  2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)


 -  Cormorant (CA)
 -  Gannet (GX)
 -  Great crested grebe (GG)
 -  Great white egret (HW)
 -  Grey heron (H)
 -  Little grebe (LG)

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

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Norwich to
Tilbury

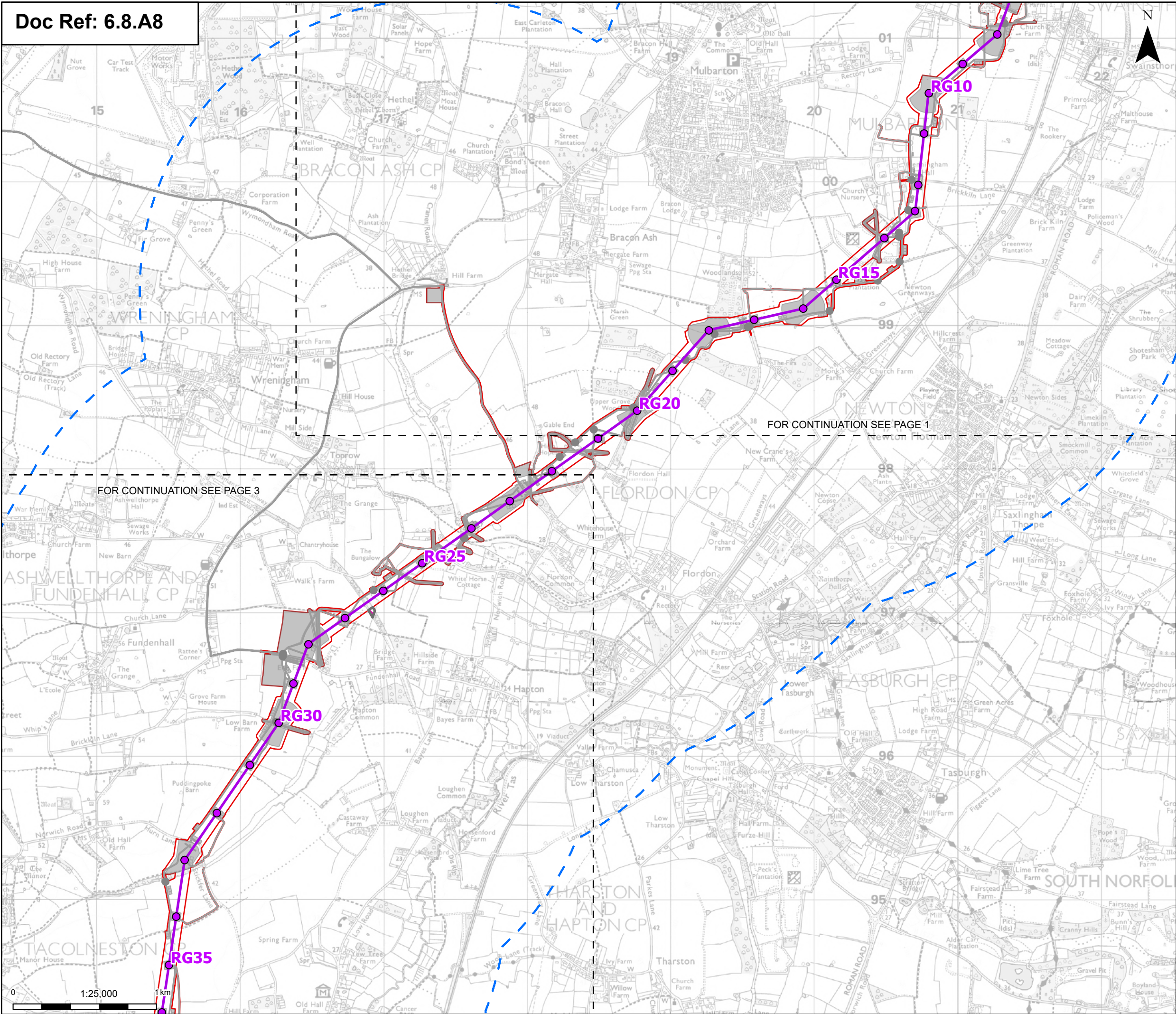
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Title: Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (Desk Study Data 2013-2022)
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

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Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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PROJECT:

nationalgrid

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (Desk Study Data 2013-2022)
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Suitability Description:

Accepted as Concept Stage

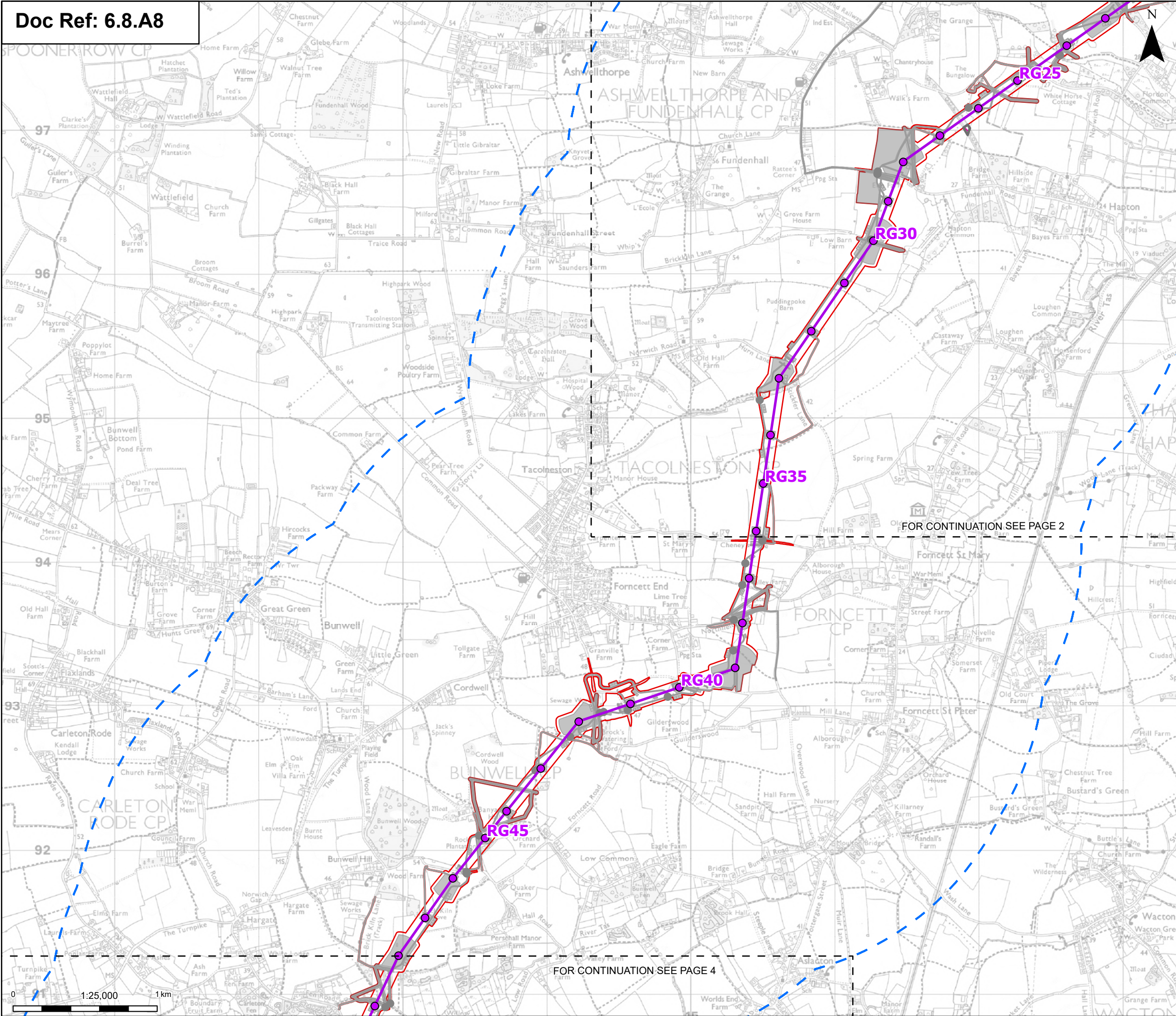
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 Order limits

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Proposed project design details

 Proposed standard lattice pylon location

 Proposed overhead line alignment

 Environmental mitigation

 Other temporary and permanent construction and operational works

Discipline specific constraints

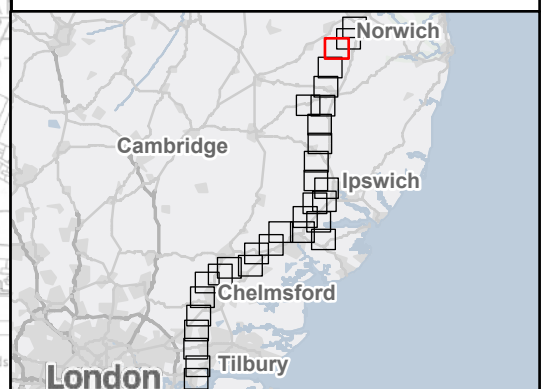
 2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)



- | | |
|---|--------------------------|
|  | Cormorant (CA) |
|  | Gannet (GX) |
|  | Great crested grebe (GG) |
|  | Great white egret (HW) |
|  | Grey heron (H) |
|  | Little grebe (LG) |
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2)

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PROJECT:
Norwich to
Tilbury

Planning Inspectorate App Number: EN020027
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Title: Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (Desk Study Data 2013-2022)
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

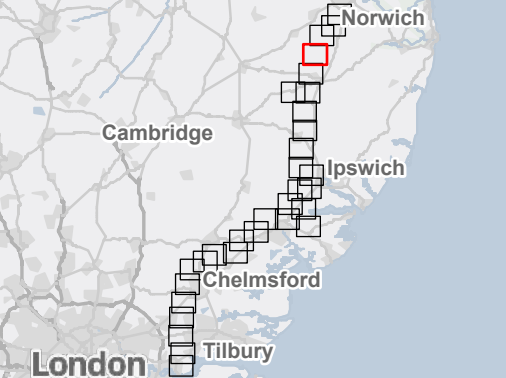
Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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PROJECT:
nationalgrid Norwich to
Tilbury

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

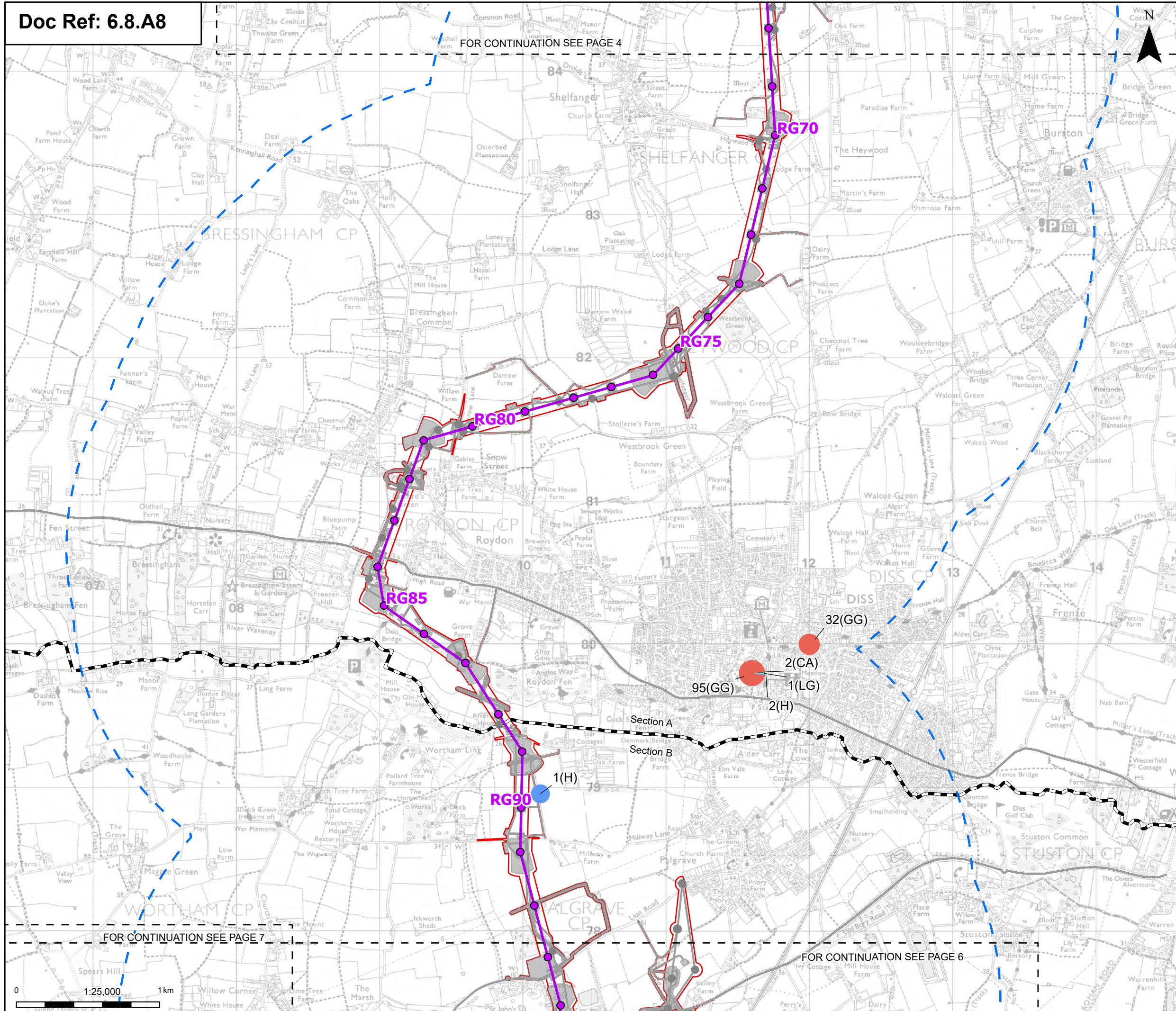
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Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

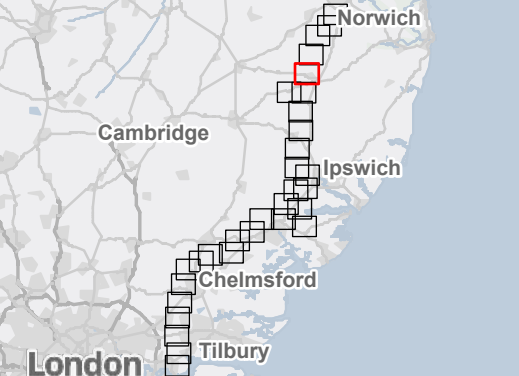
Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Legend:

- Cormorant (CA)
- Gannet (GX)
- Great crested grebe (GG)
- Great white egret (HW)
- Grey heron (H)
- Little grebe (LG)

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

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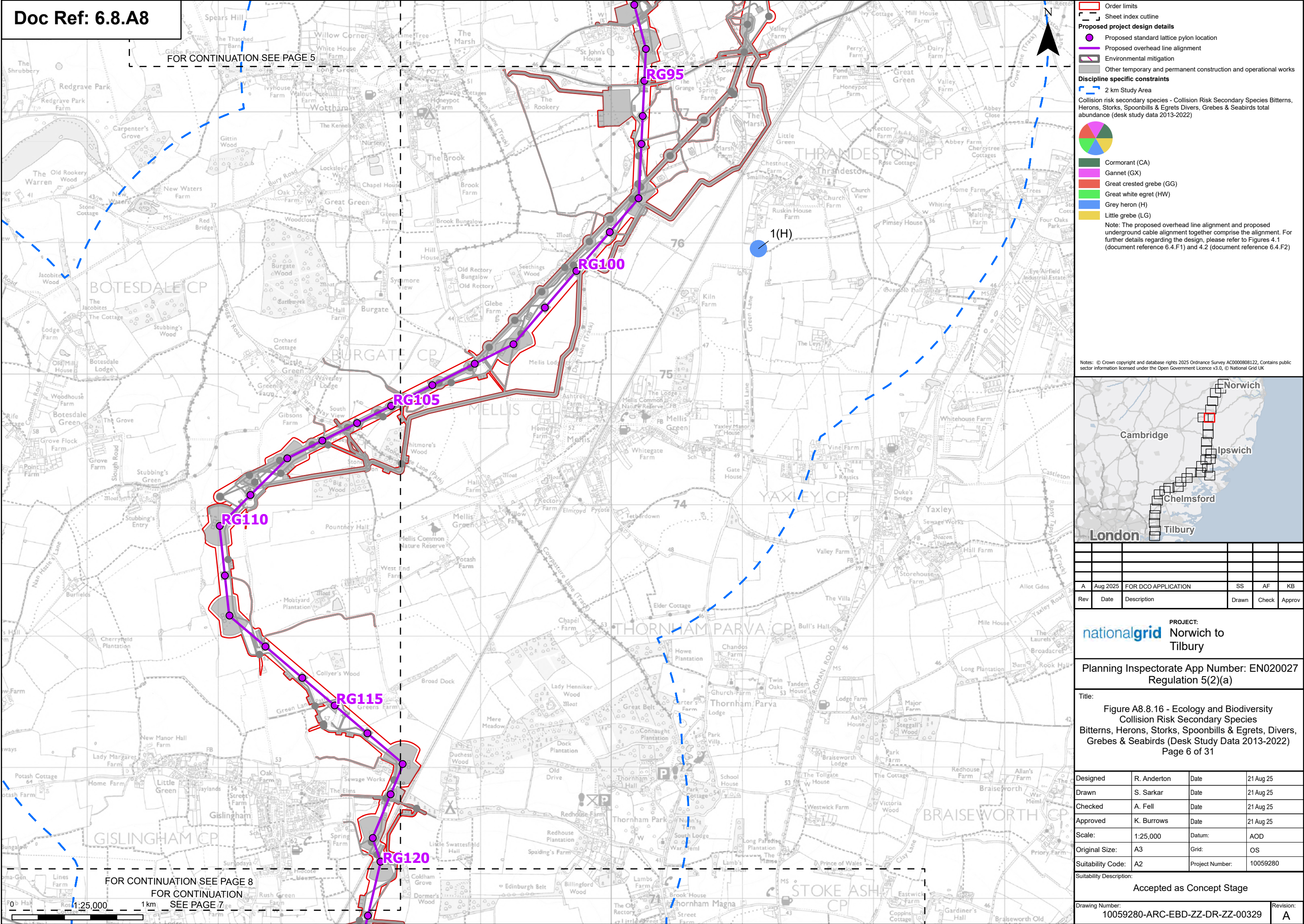
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Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
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Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

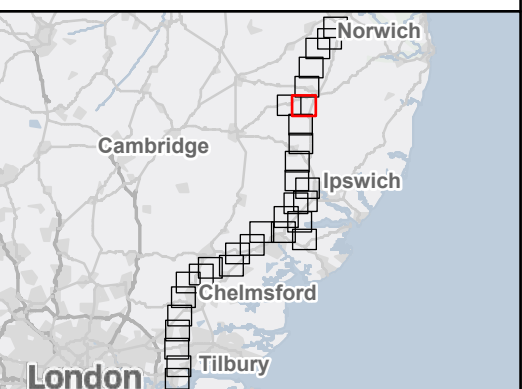
Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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PROJECT: Norwich to Tilbury

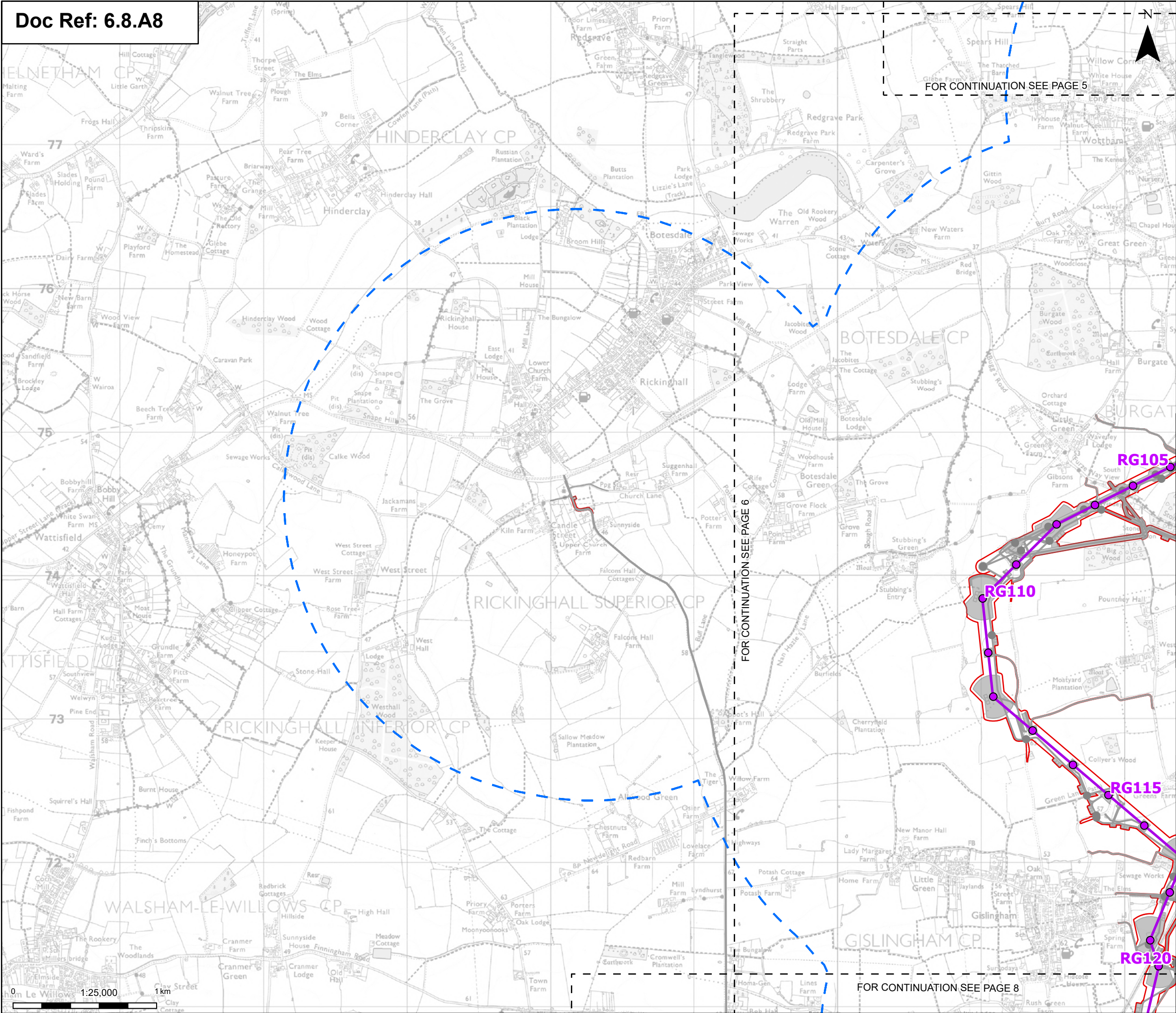
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00329 Revision: A



Order limits

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Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

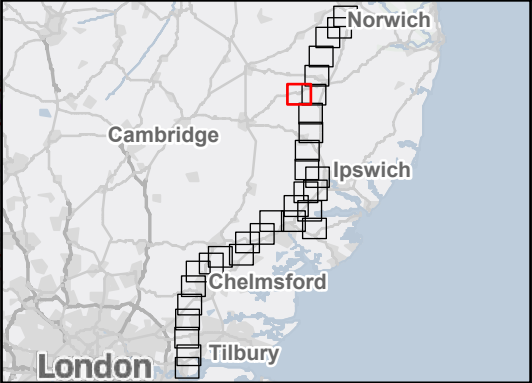
Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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PROJECT:
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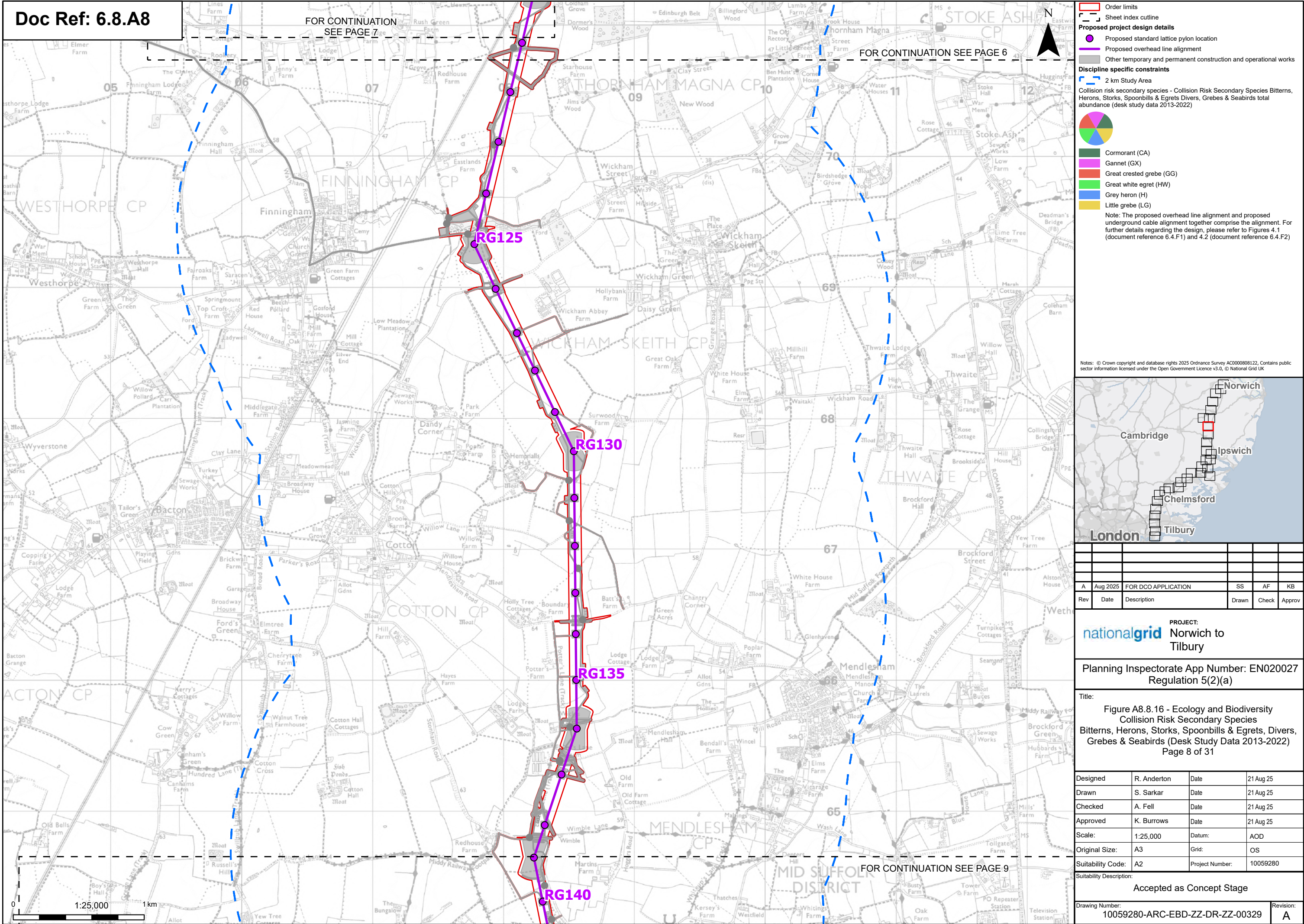
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Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (Desk Study Data 2013-2022)
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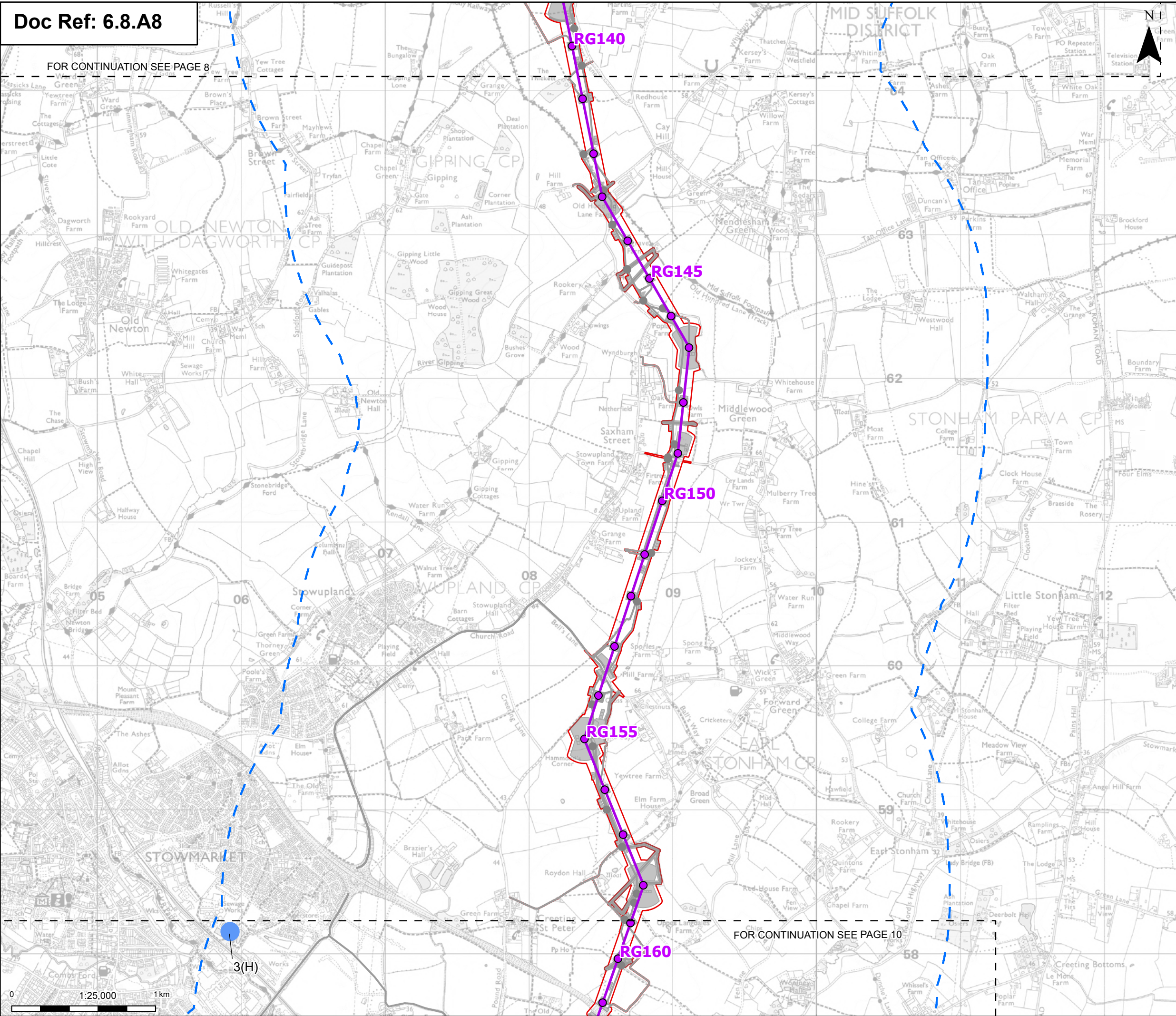
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00329
Revision: A



FOR CONTINUATION SEE PAGE 8



Order limits

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

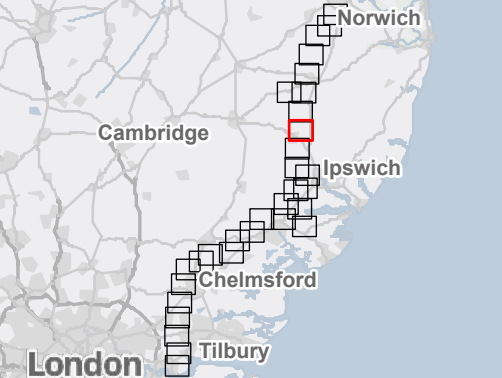
Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

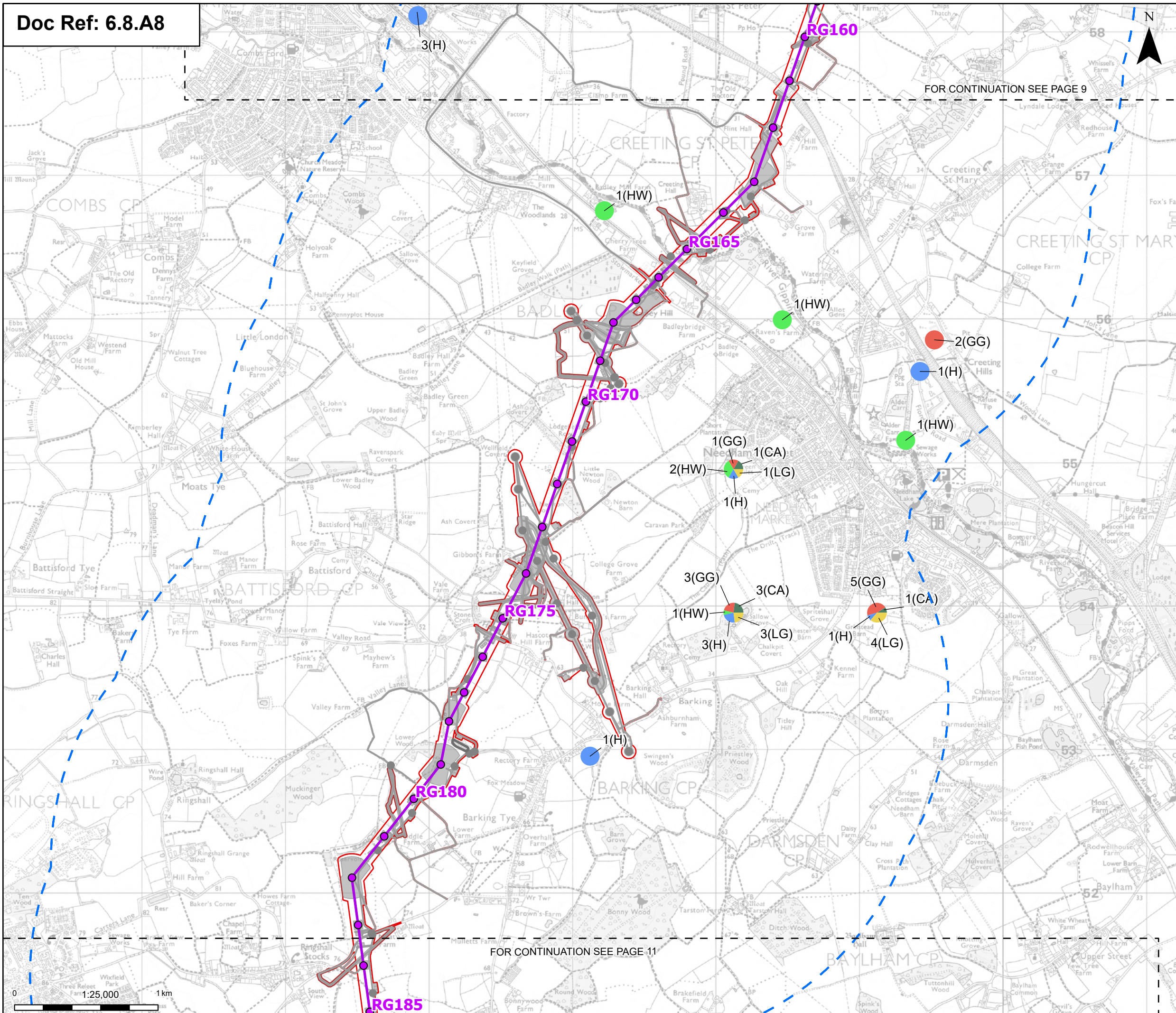
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

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Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:	Revision:
10059280-ARC-EBD-ZZ-DR-ZZ-00329	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 - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

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PROJECT:
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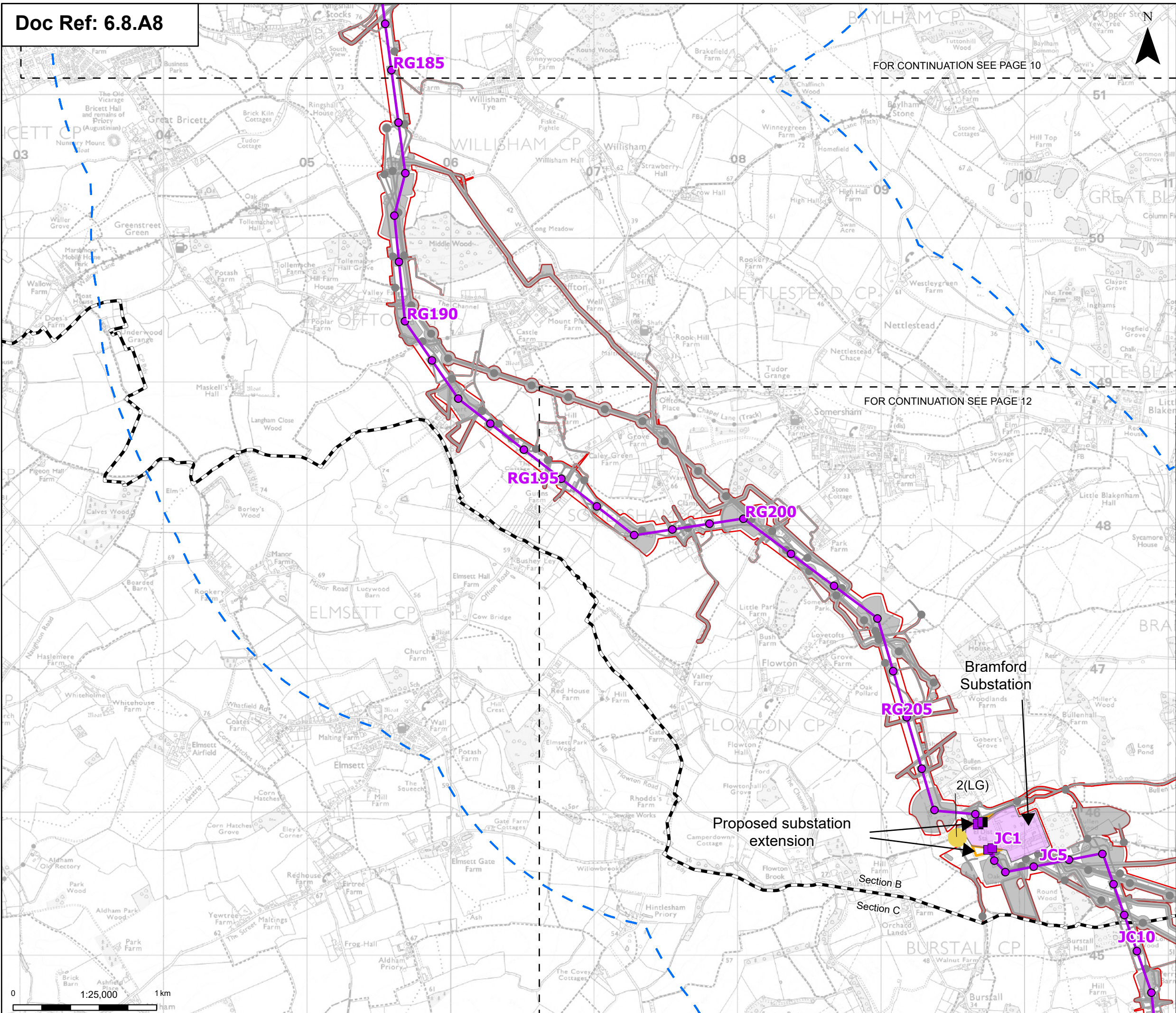
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Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (Desk Study Data 2013-2022)
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Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00329	Revision: A
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Order limits

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Project section line

Proposed project design details

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

Discipline specific constraints

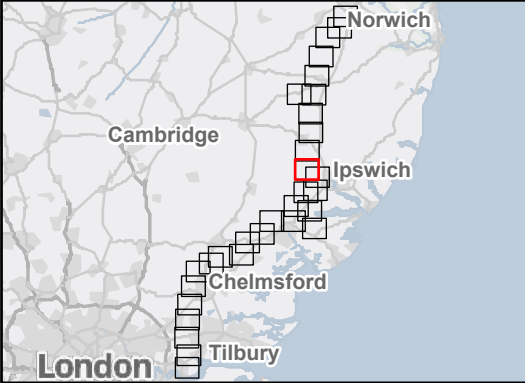
- 2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

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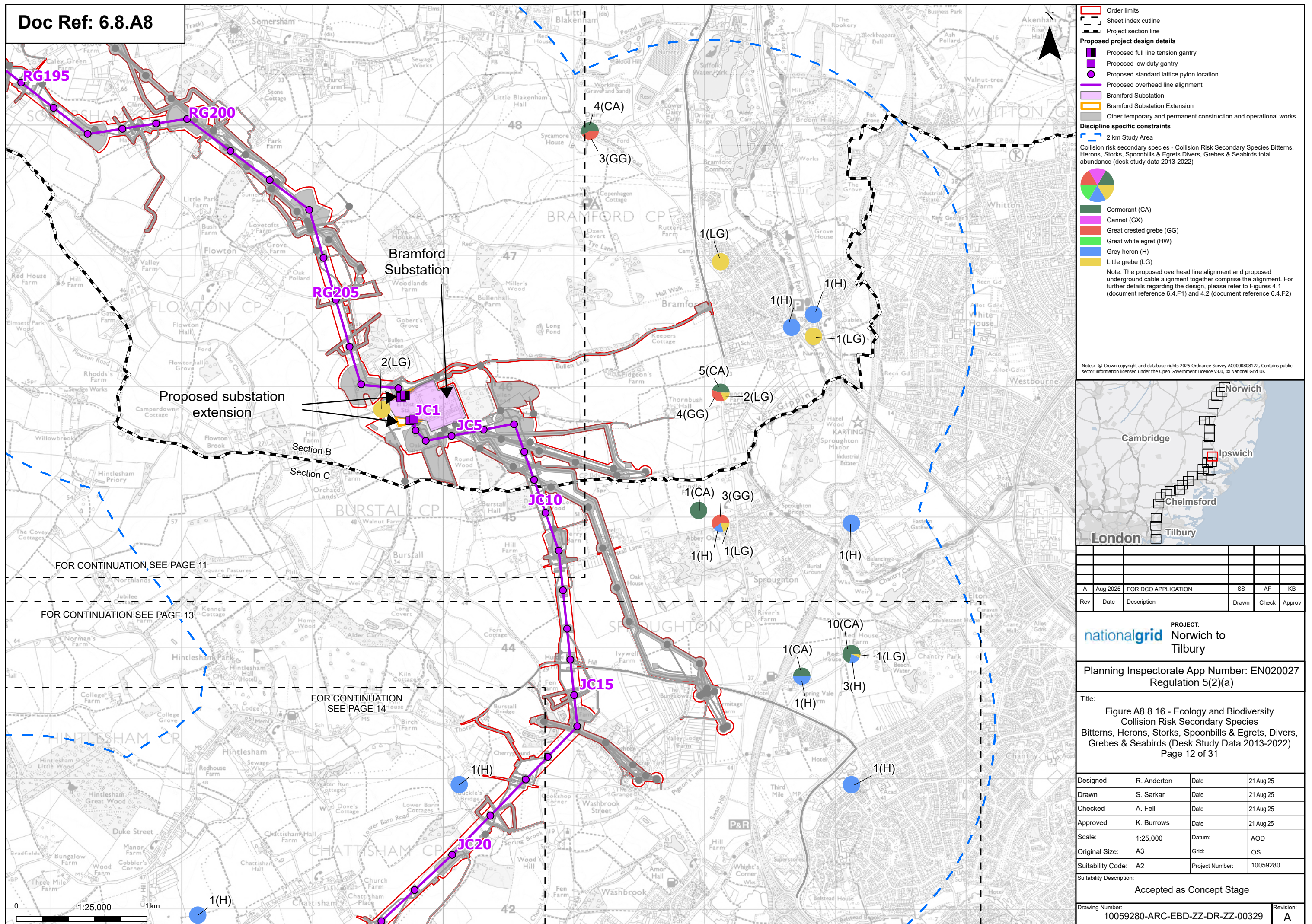
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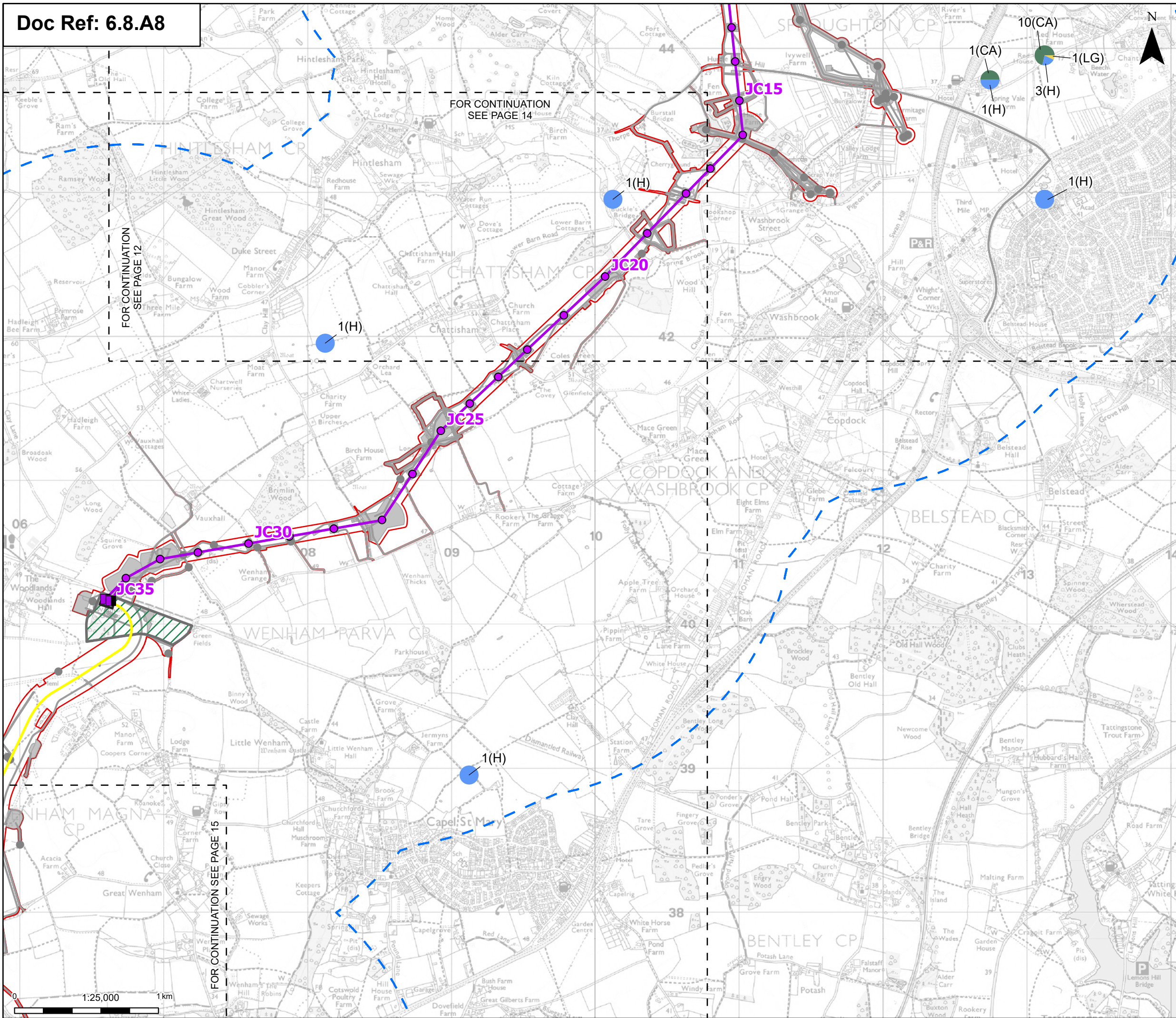
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Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (Desk Study Data 2013-2022)**
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Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

Great white egret (HW)

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PROJECT:
nationalgrid Norwich to
Tilbury

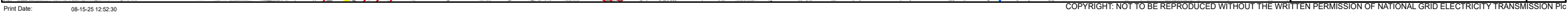
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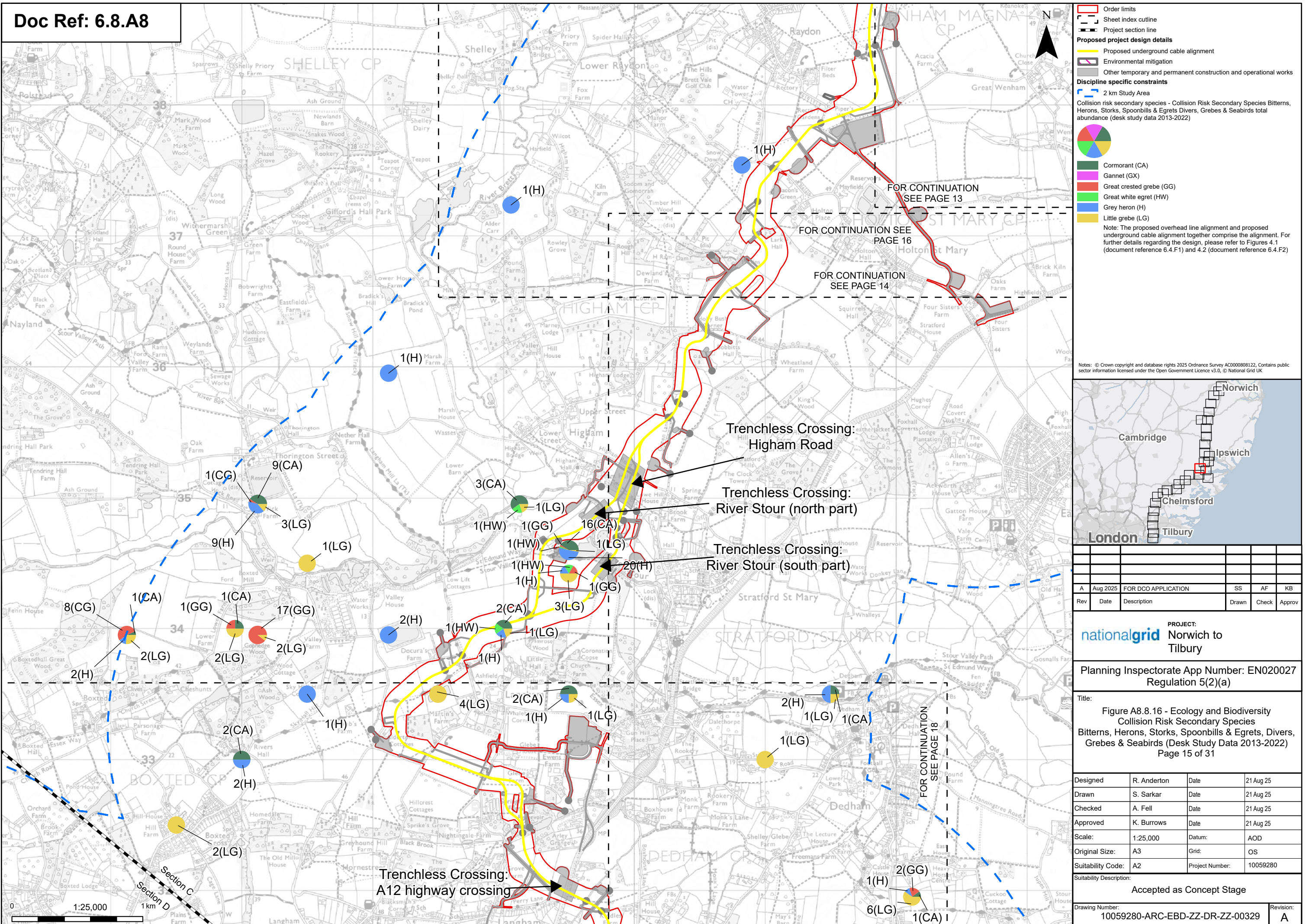
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Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (Desk Study Data 2013-2022)
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00329	Revision:	A
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- Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

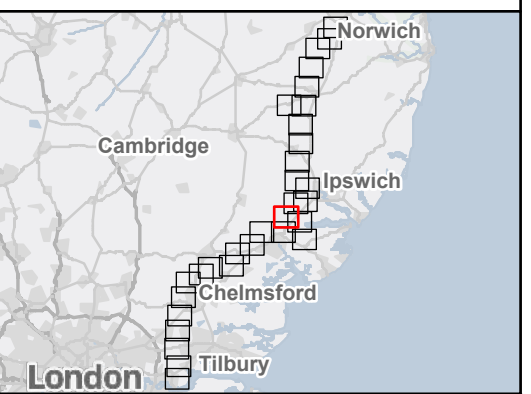
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Legend

- Cormorant (CA)
- Gannet (GX)
- Great crested grebe (GG)
- Great white egret (HW)
- Grey heron (H)
- Little grebe (LG)

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

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PROJECT: **Norwich to Tilbury**

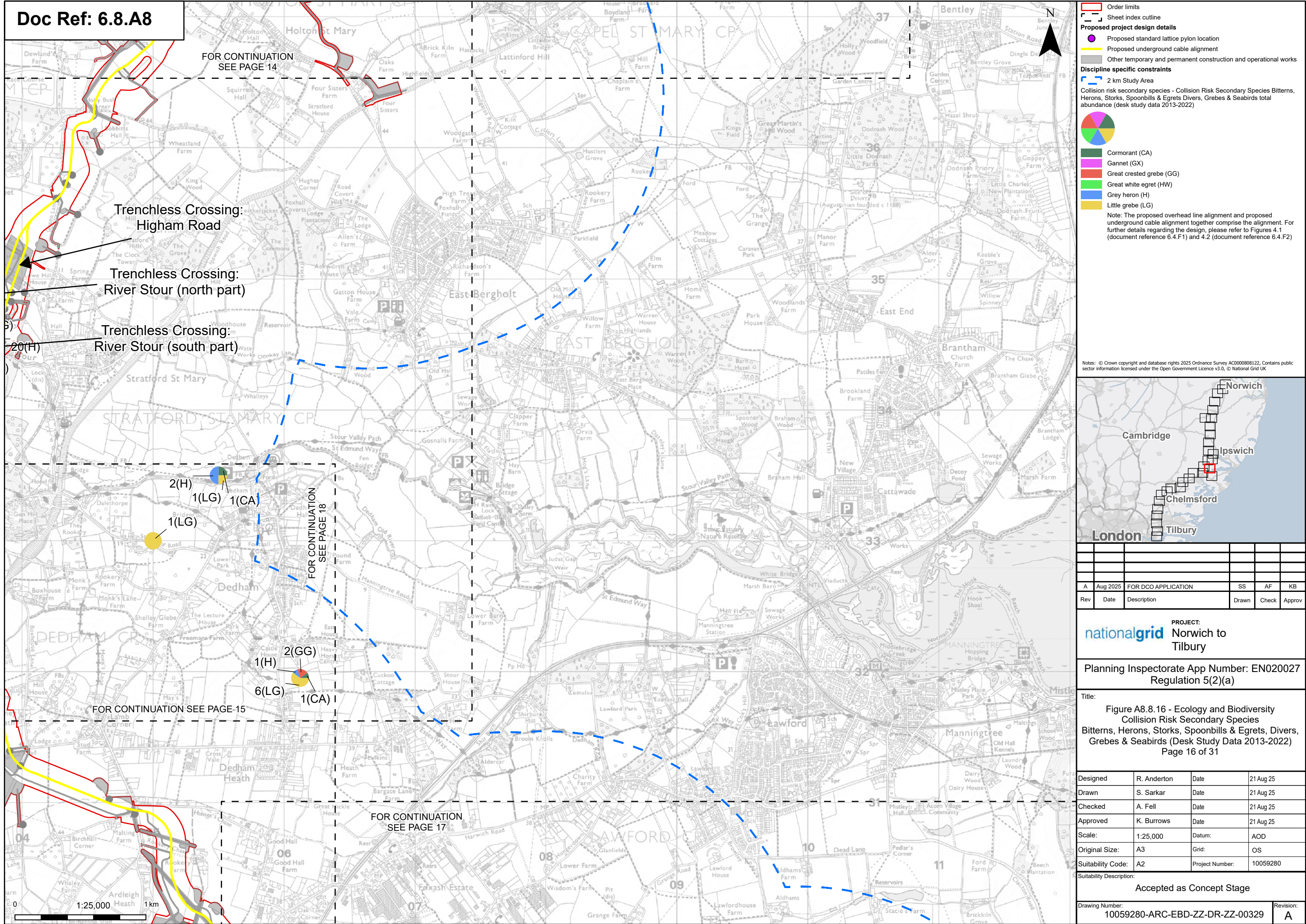
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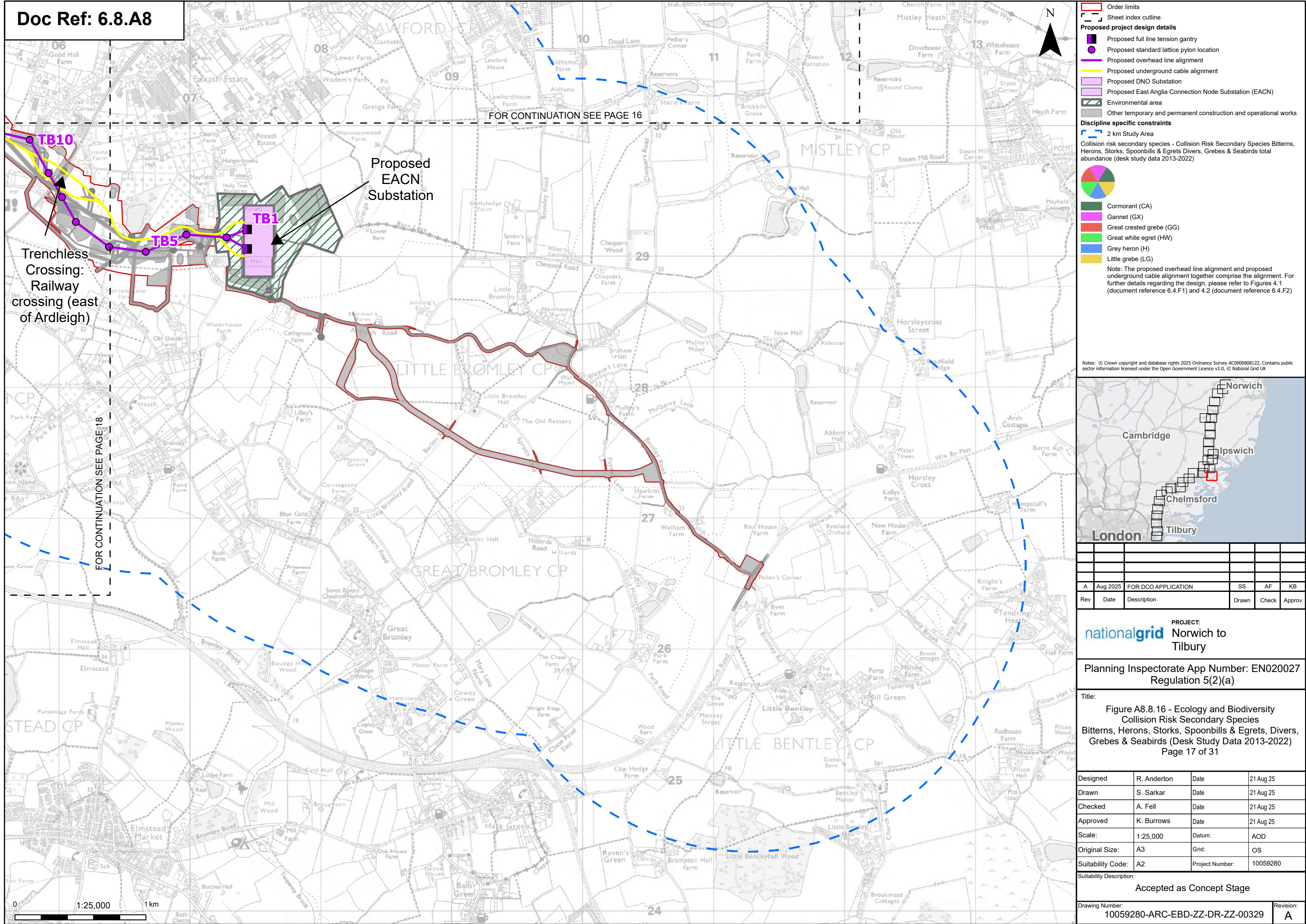
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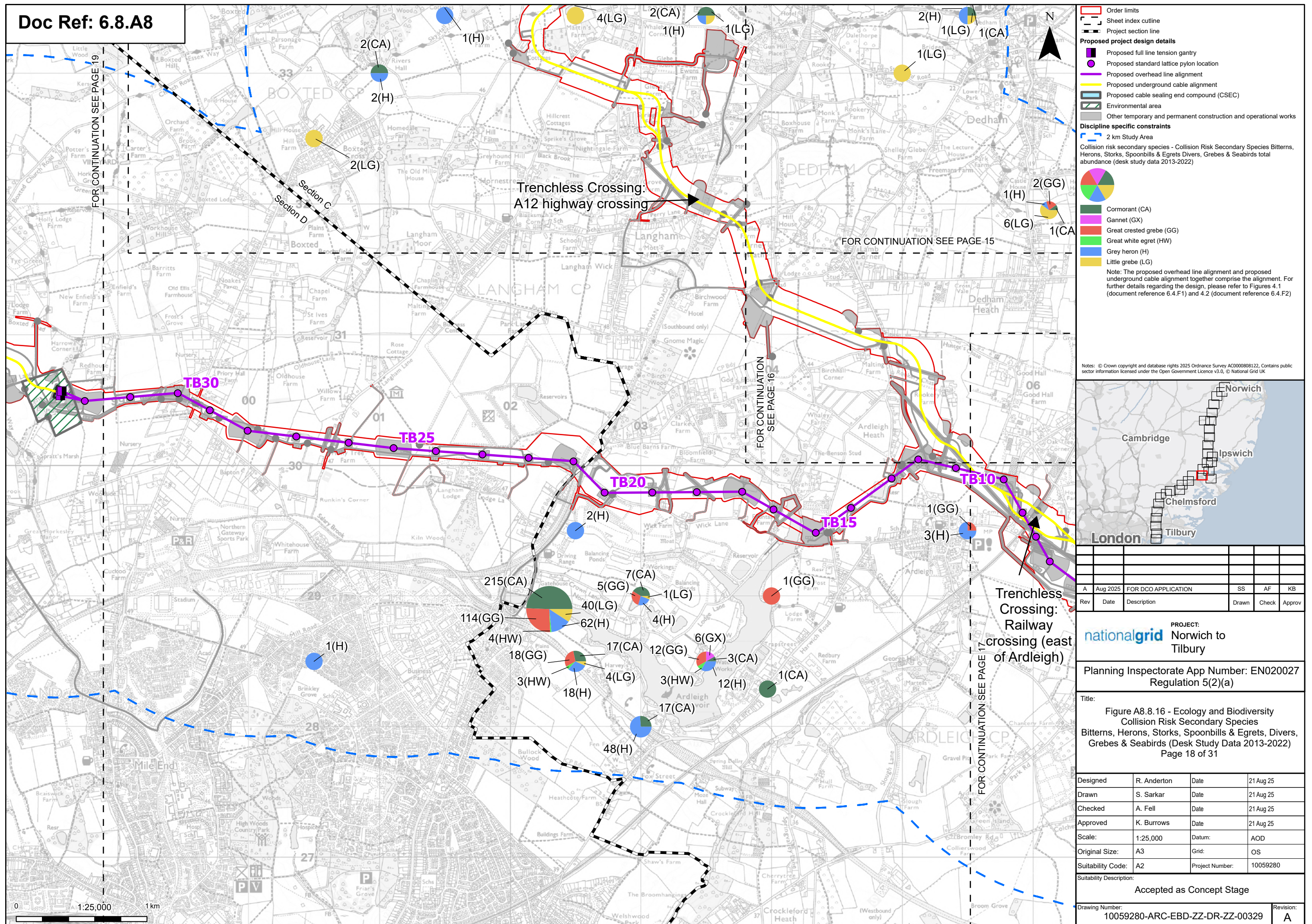
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Checked	A. Fell	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

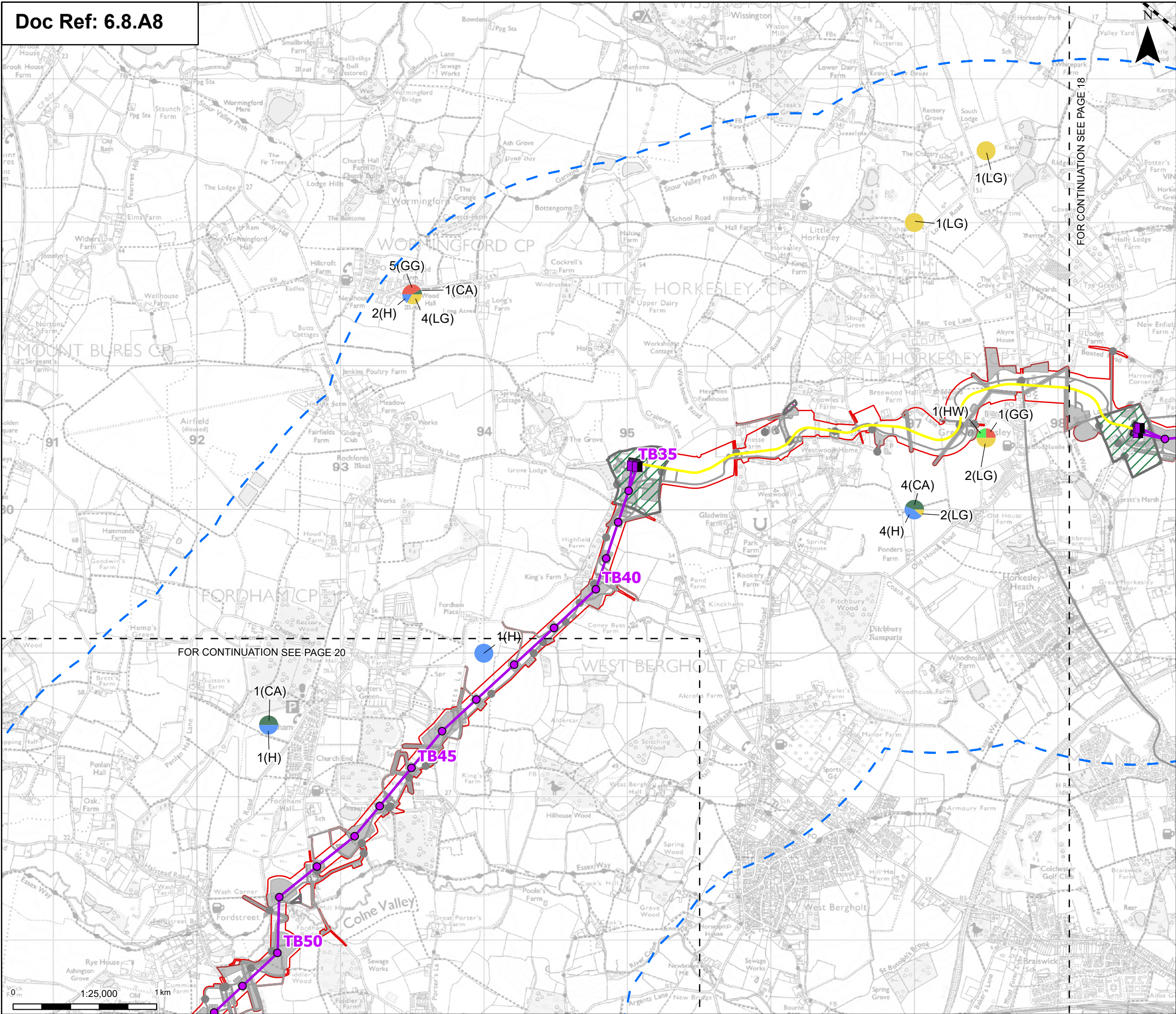
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Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00329	Revision:	A
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Order limits

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Project section line

Proposed project design details

Proposed full line tension gantry

Proposed 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 - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

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Gannet (GX)

Great crested grebe (GG)

Great white egret (HW)

Grey heron (H)

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Rev	Date	Description	Drawn	Check	Approv

nationalgrid

PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:
Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (Desk Study Data 2013-2022)
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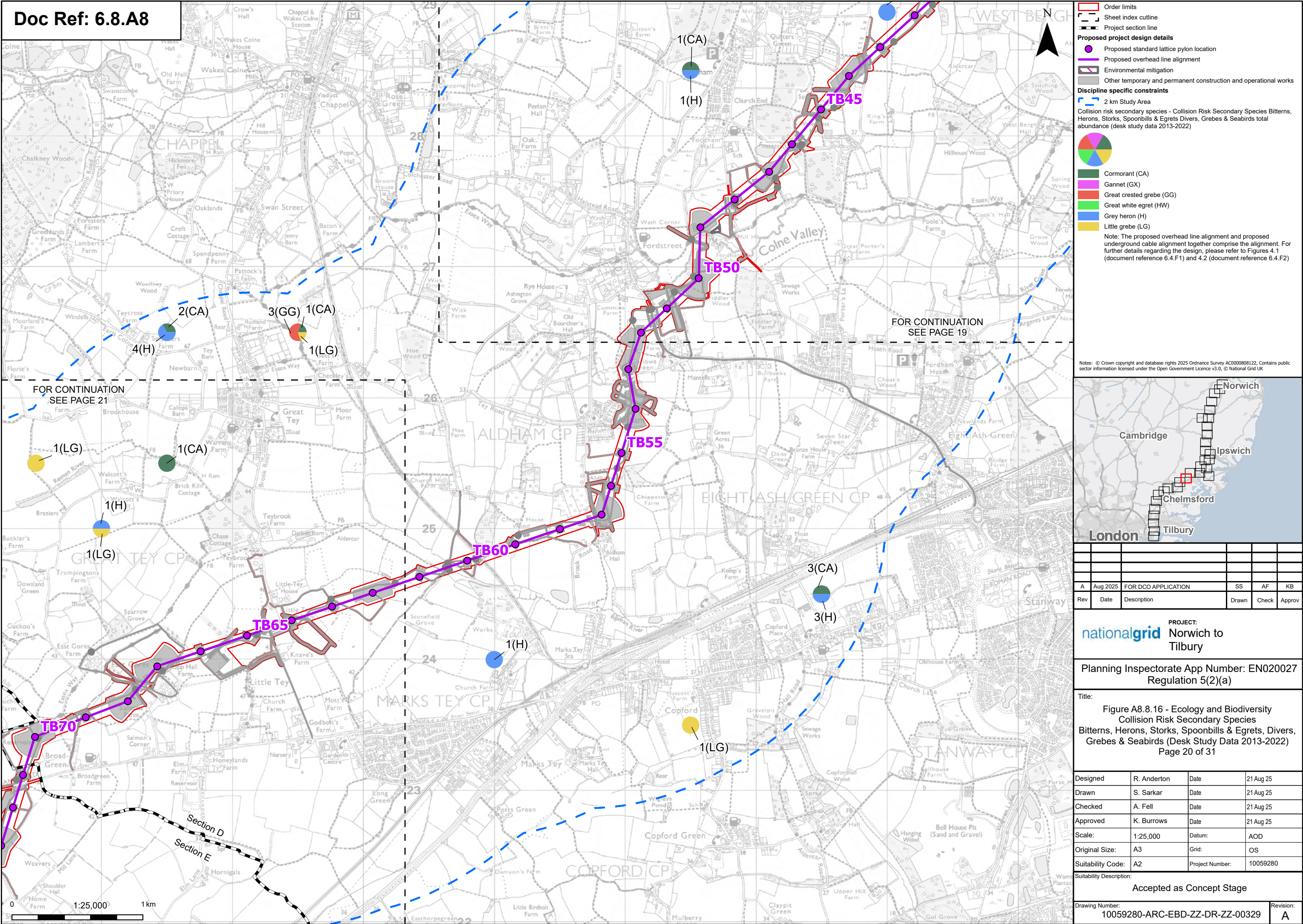
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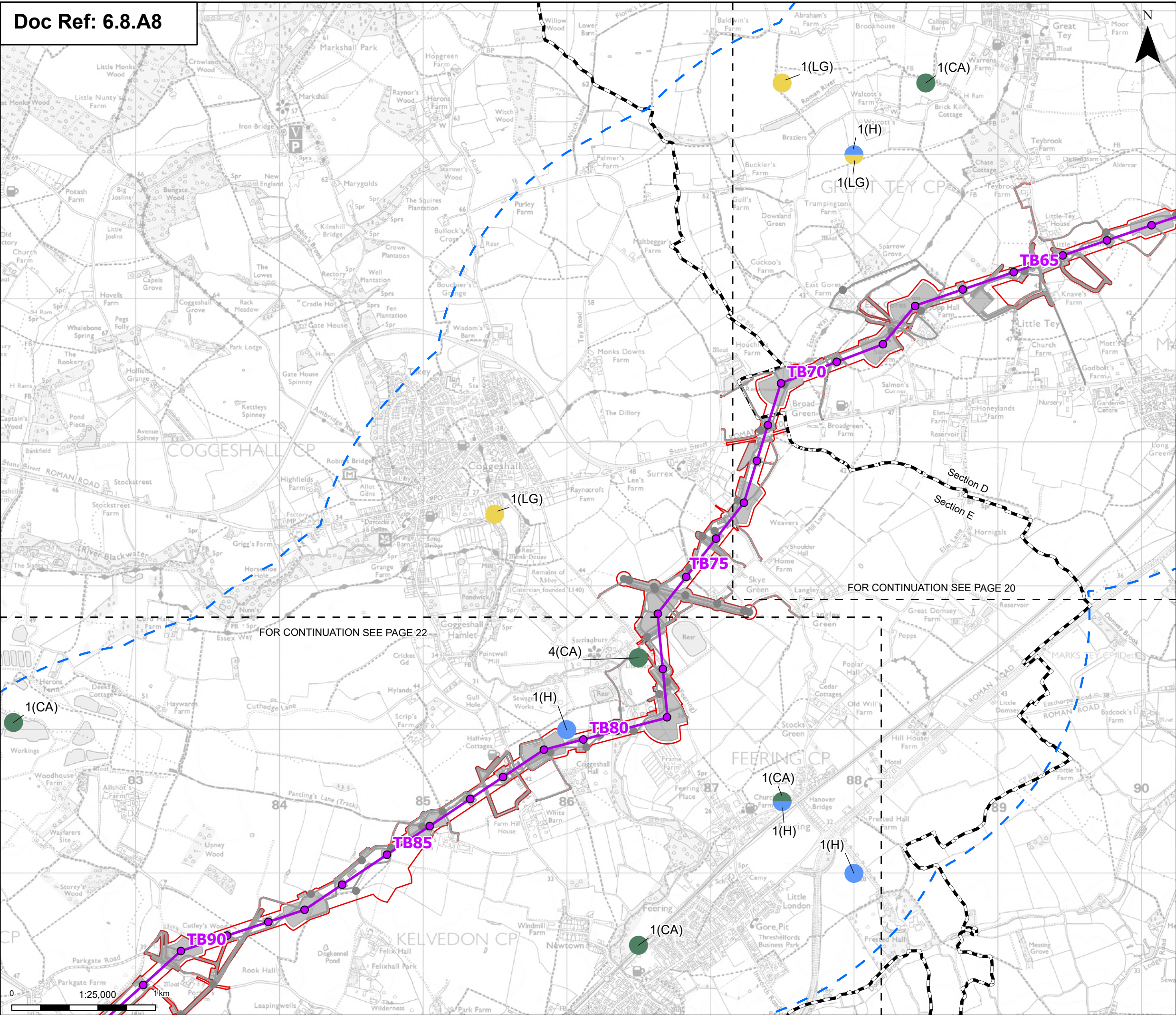
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Accepted as Concept Stage

Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00329	Revision:	A
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Order limits

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Project section line

Proposed project design details

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Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

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PROJECT:

nationalgrid

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (Desk Study Data 2013-2022)
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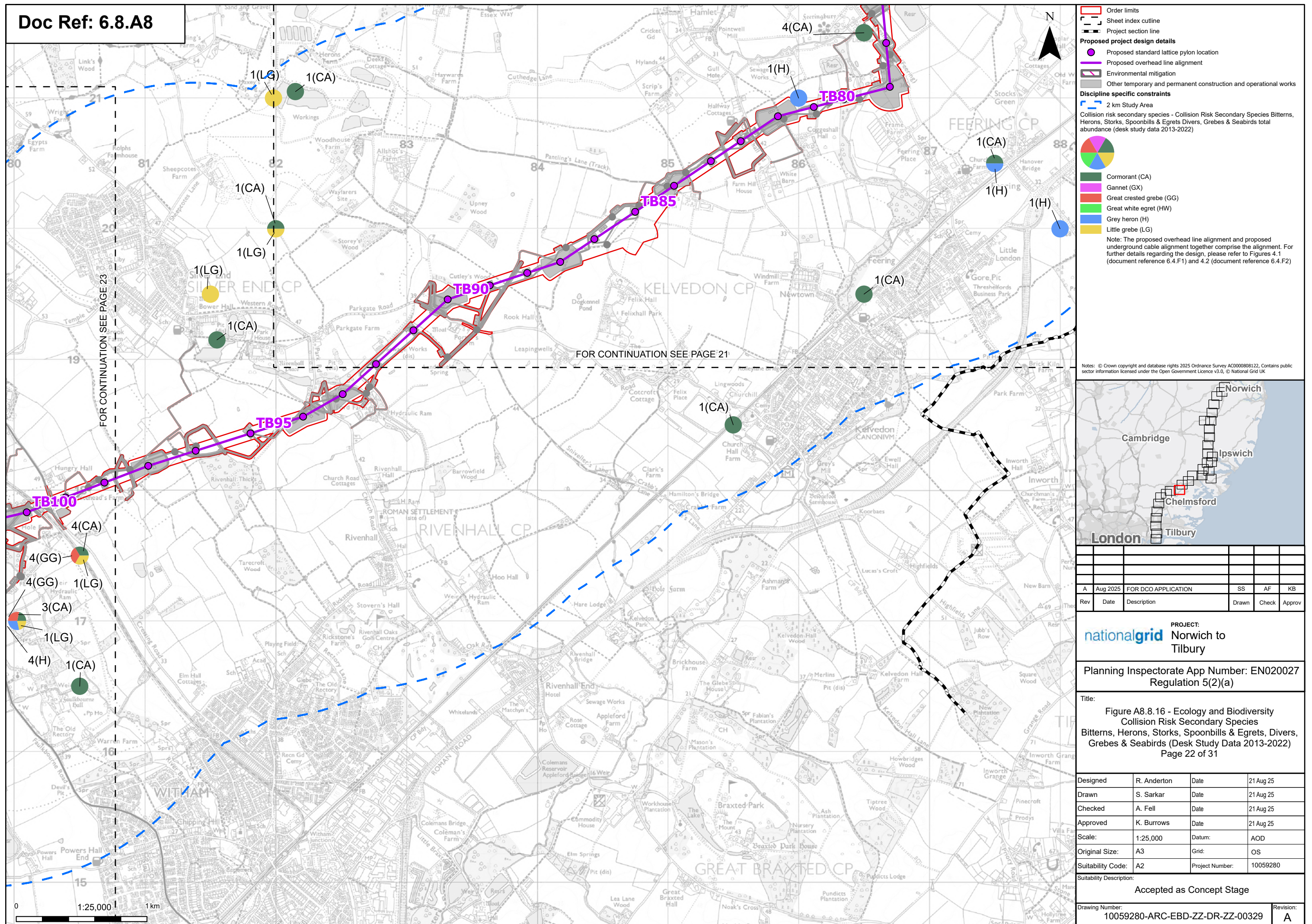
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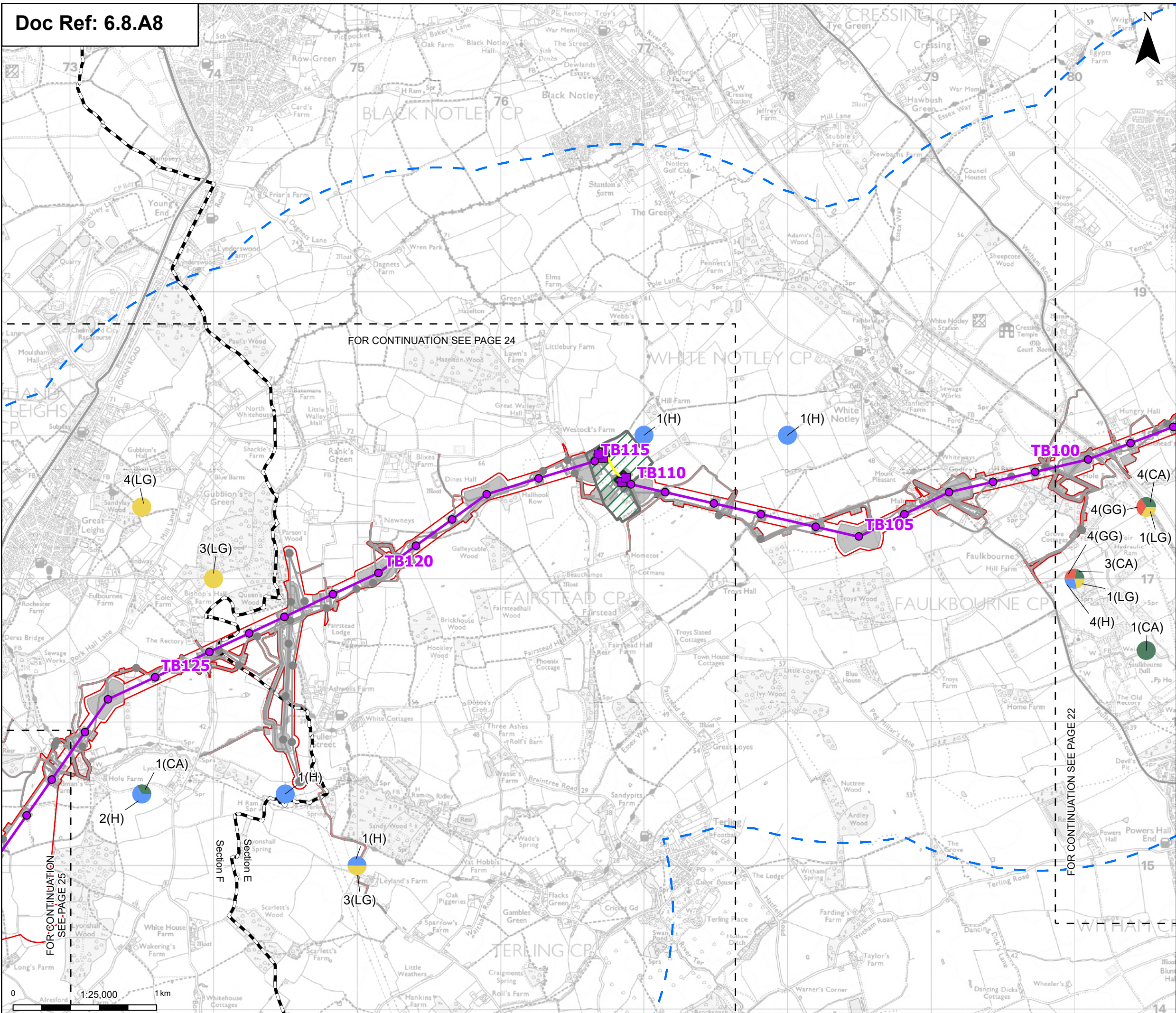
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Order limits

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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

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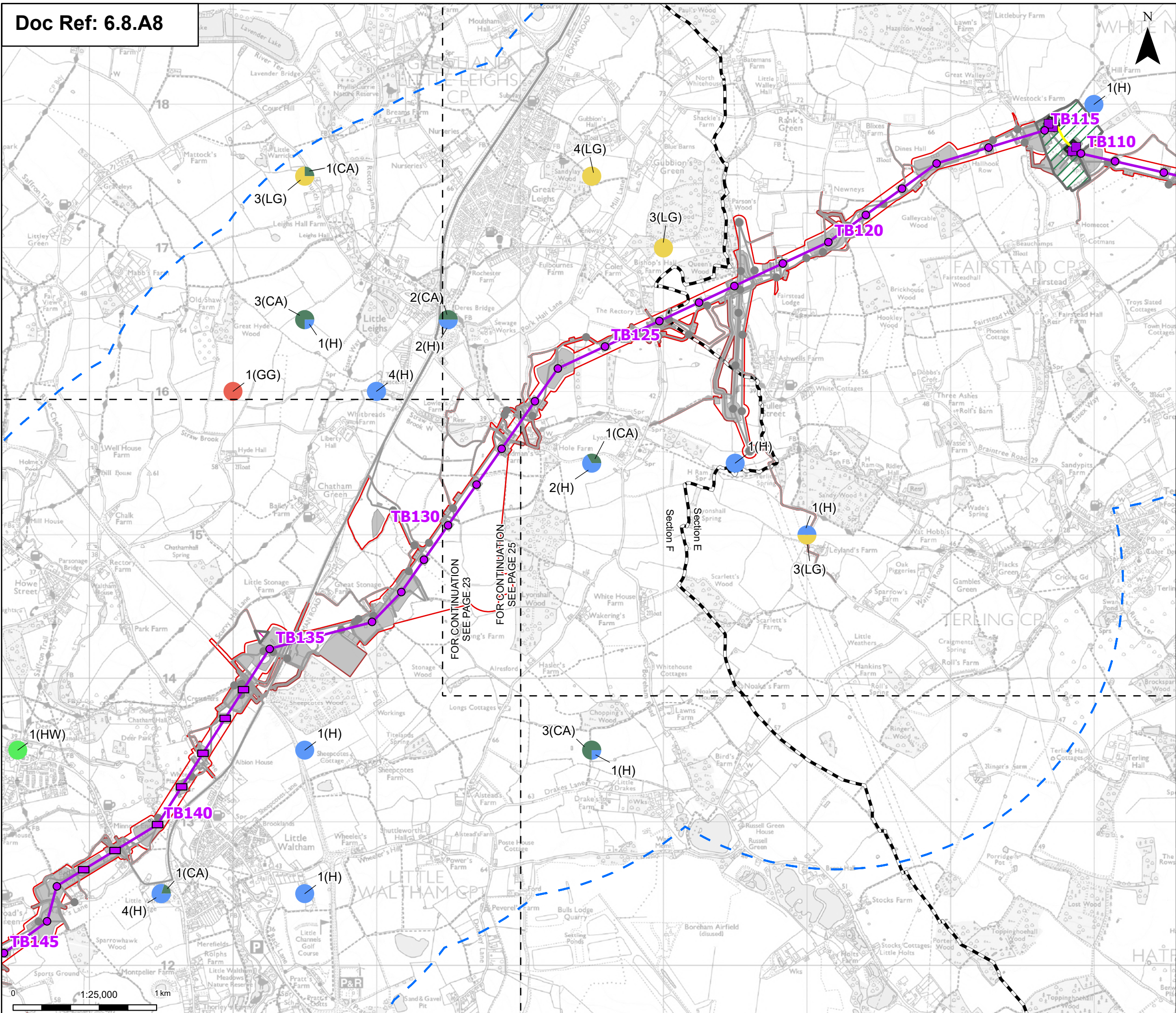
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Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (Desk Study Data 2013-2022)
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Accepted as Concept Stage

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- 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

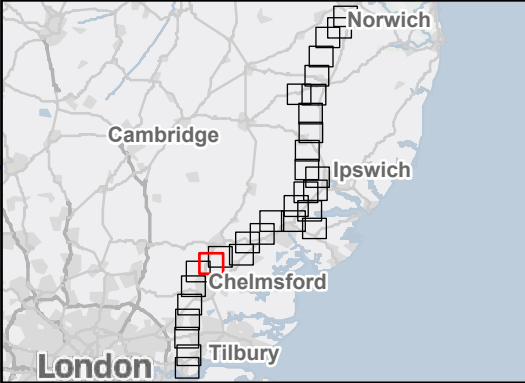
Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Legend

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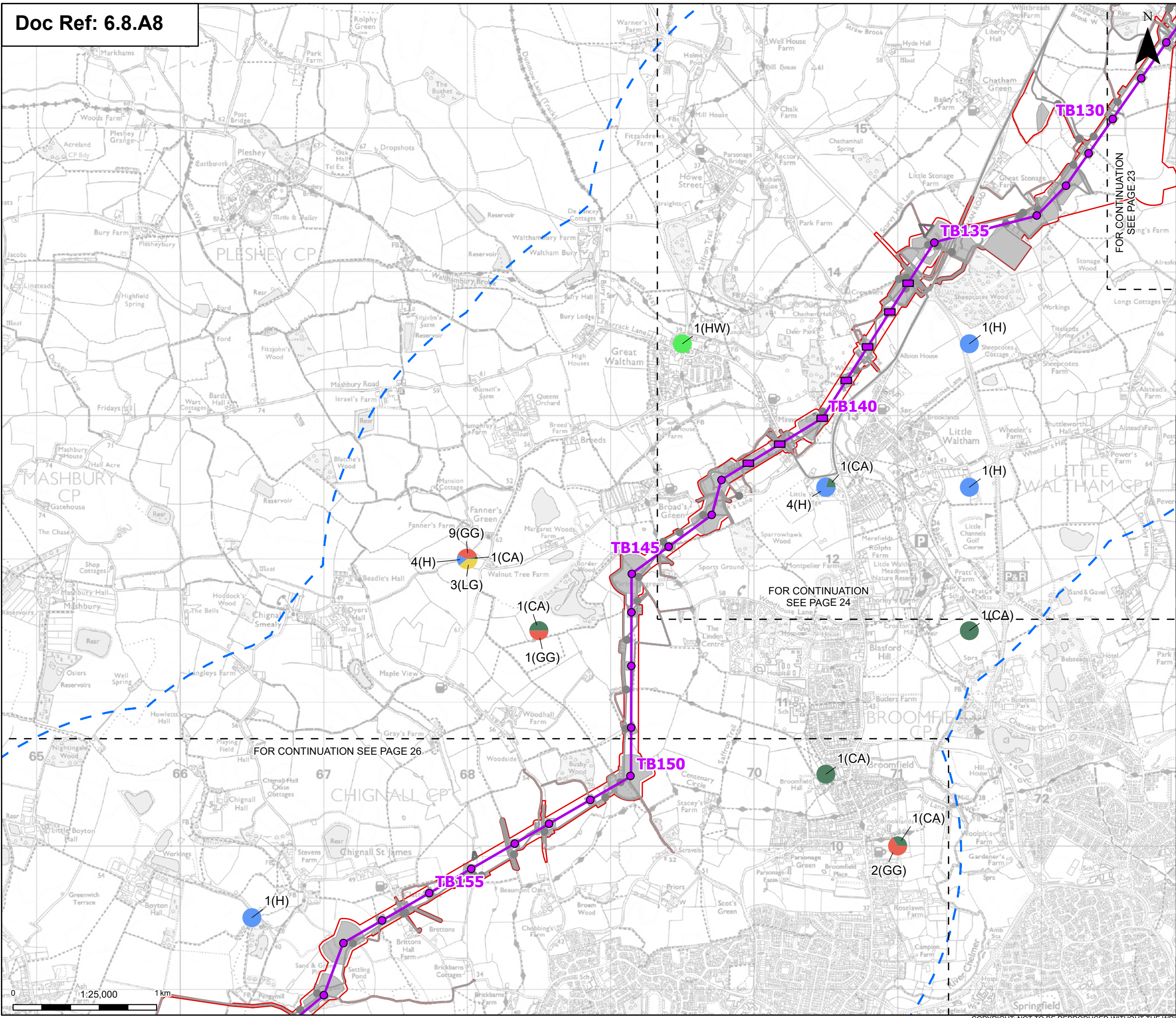
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Order limits

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Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

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Gannet (GX)

Great crested grebe (GG)

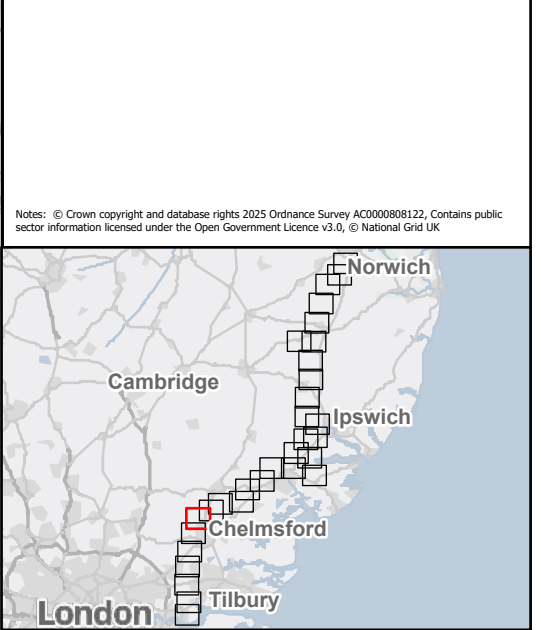
Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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nationalgrid

PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:
Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
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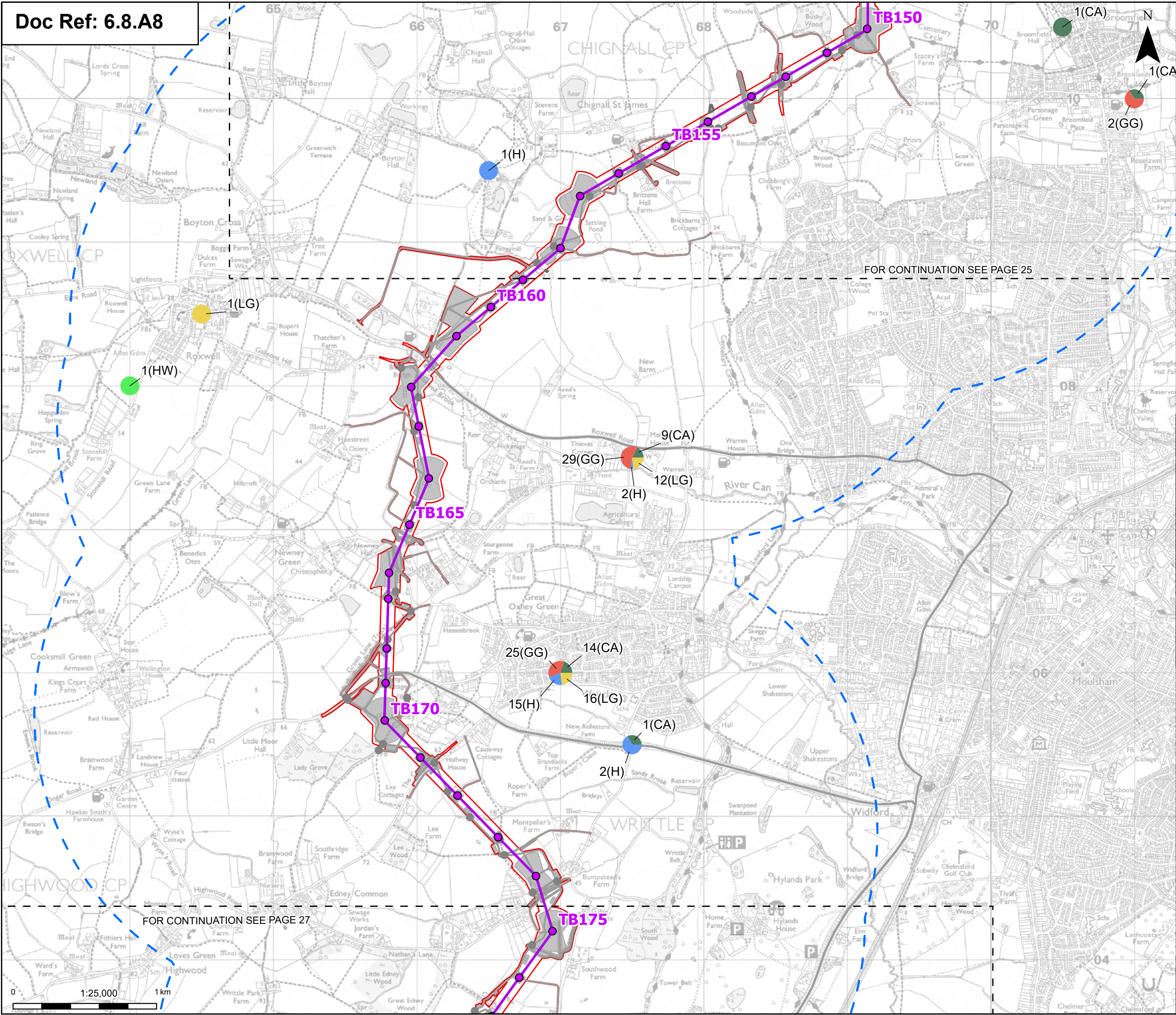
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Sheet index outline

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Proposed standard lattice pylon location

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Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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

PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

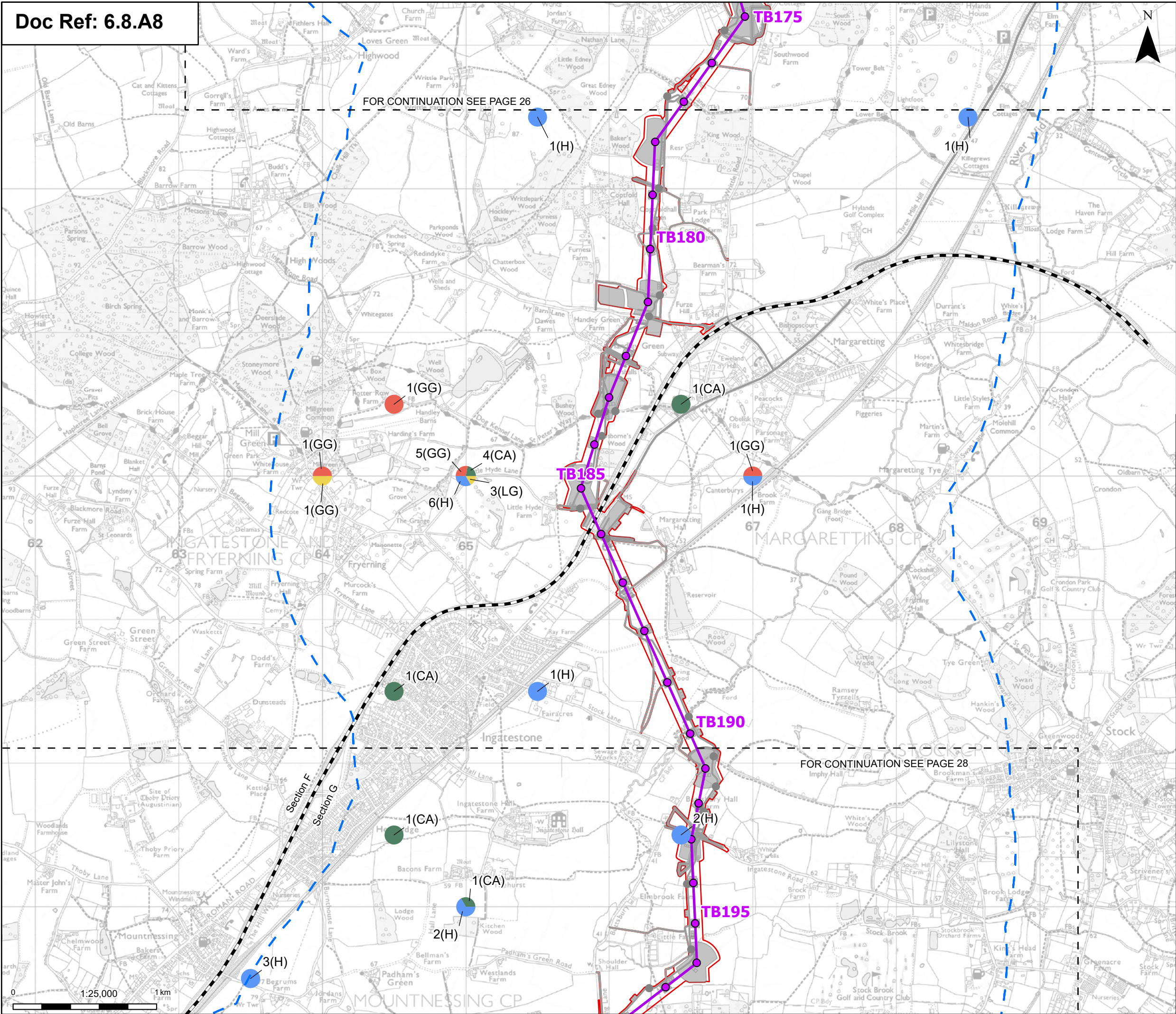
Title:

Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (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-00329			Revision: A

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Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

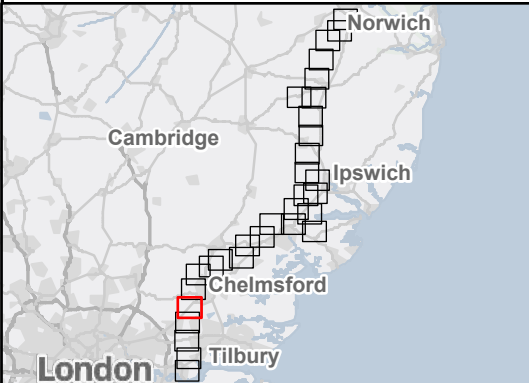
Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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nationalgrid

PROJECT:
Norwich to
Tilbury

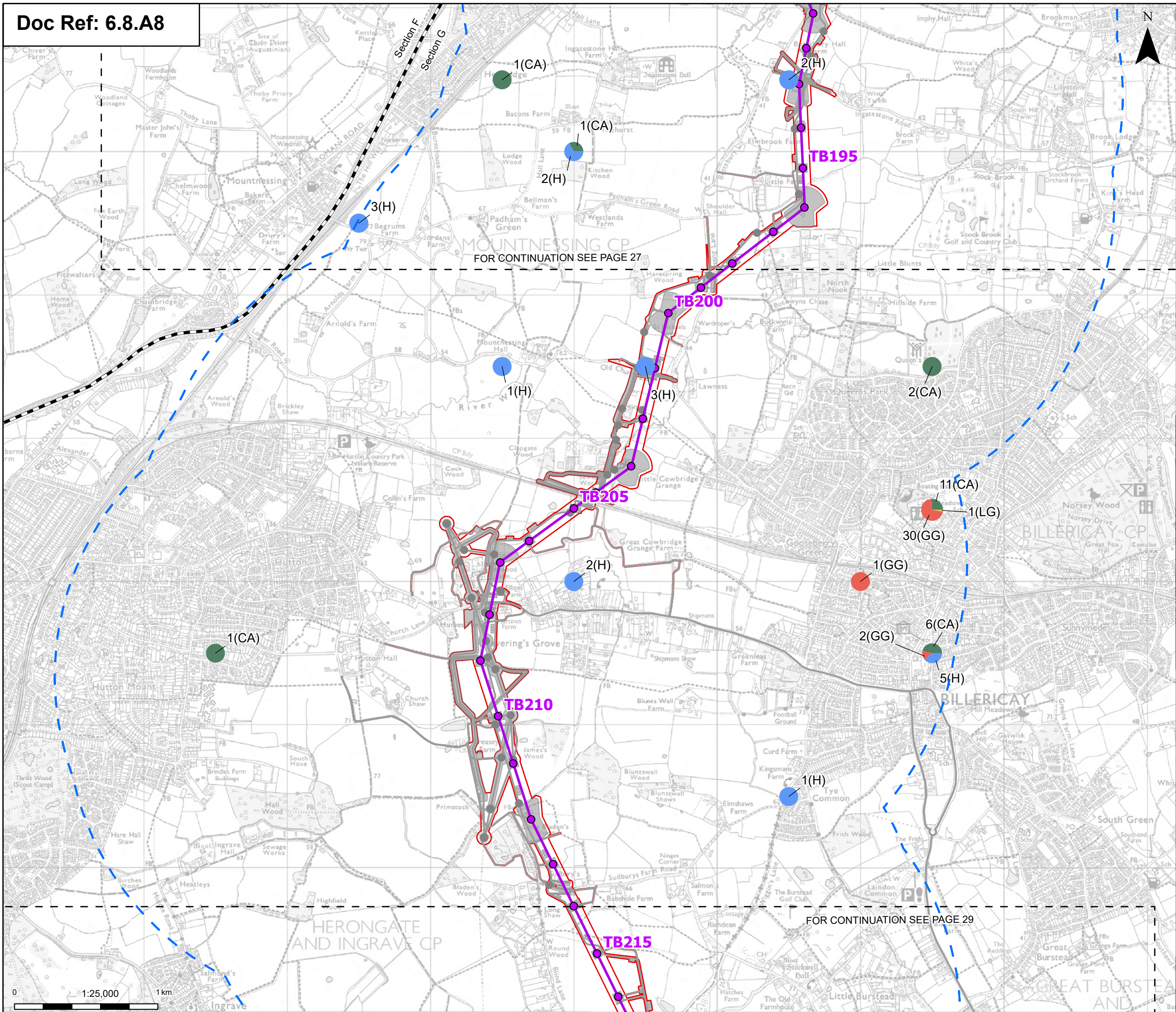
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (Desk Study Data 2013-2022)
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Designed	R. Anderton	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00329	Revision: A
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Order limits

Sheet index cutline

Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Legend:

- Cormorant (CA)
- Gannet (GX)
- Great crested grebe (GG)
- Great white egret (HW)
- Grey heron (H)
- Little grebe (LG)

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

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

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

Title:
Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (Desk Study Data 2013-2022)
Page 28 of 31

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

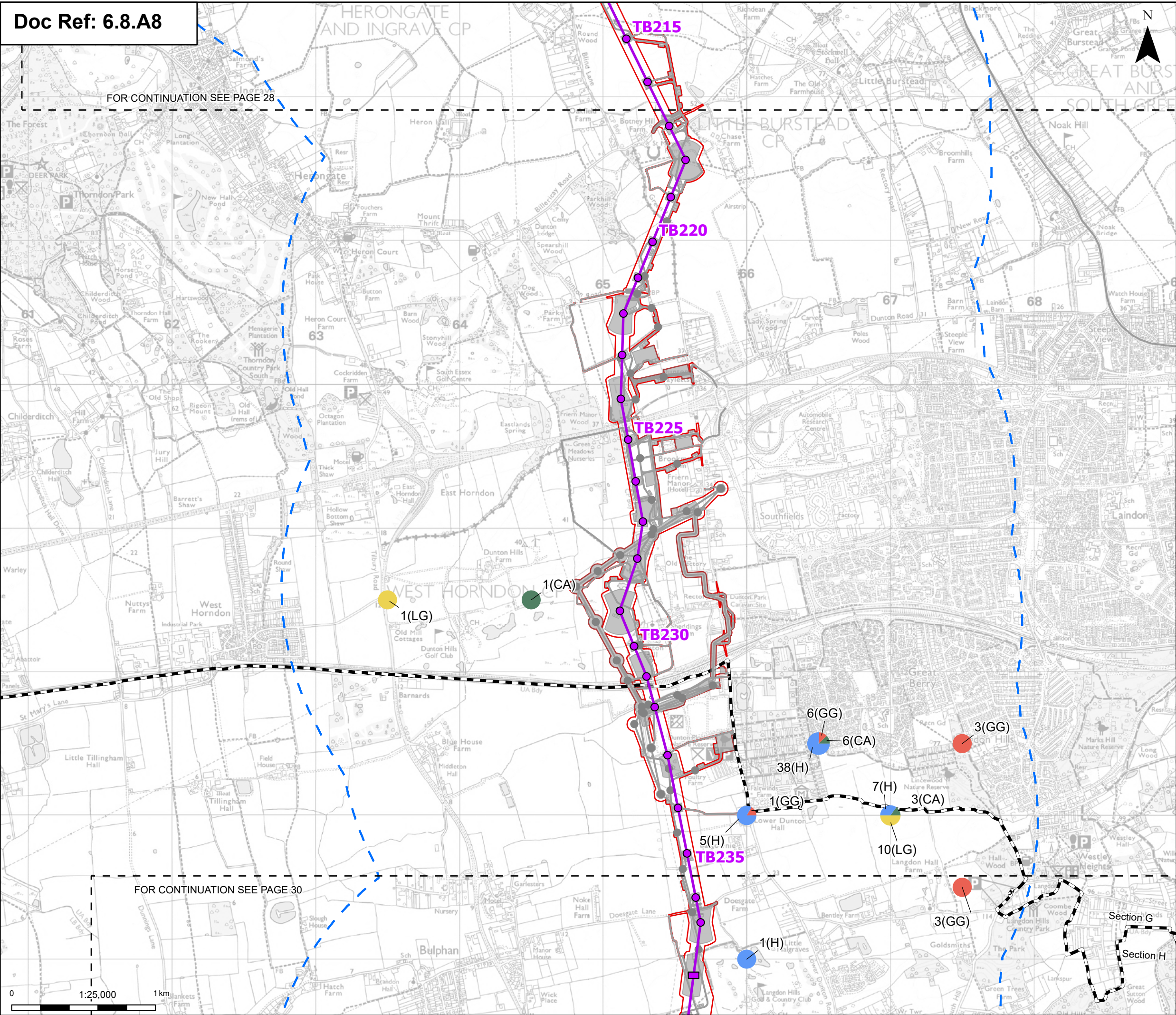
Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00329

Revision:
A

FOR CONTINUATION SEE PAGE 28

FOR CONTINUATION SEE PAGE 30



Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Collision risk secondary species - Collision Risk Secondary Species Bitterns, Herons, Storks, Spoonbills & Egrets Divers, Grebes & Seabirds total abundance (desk study data 2013-2022)

Cormorant (CA)

Gannet (GX)

Great crested grebe (GG)

Great white egret (HW)

Grey heron (H)

Little grebe (LG)

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

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PROJECT:

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers, Grebes & Seabirds (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:

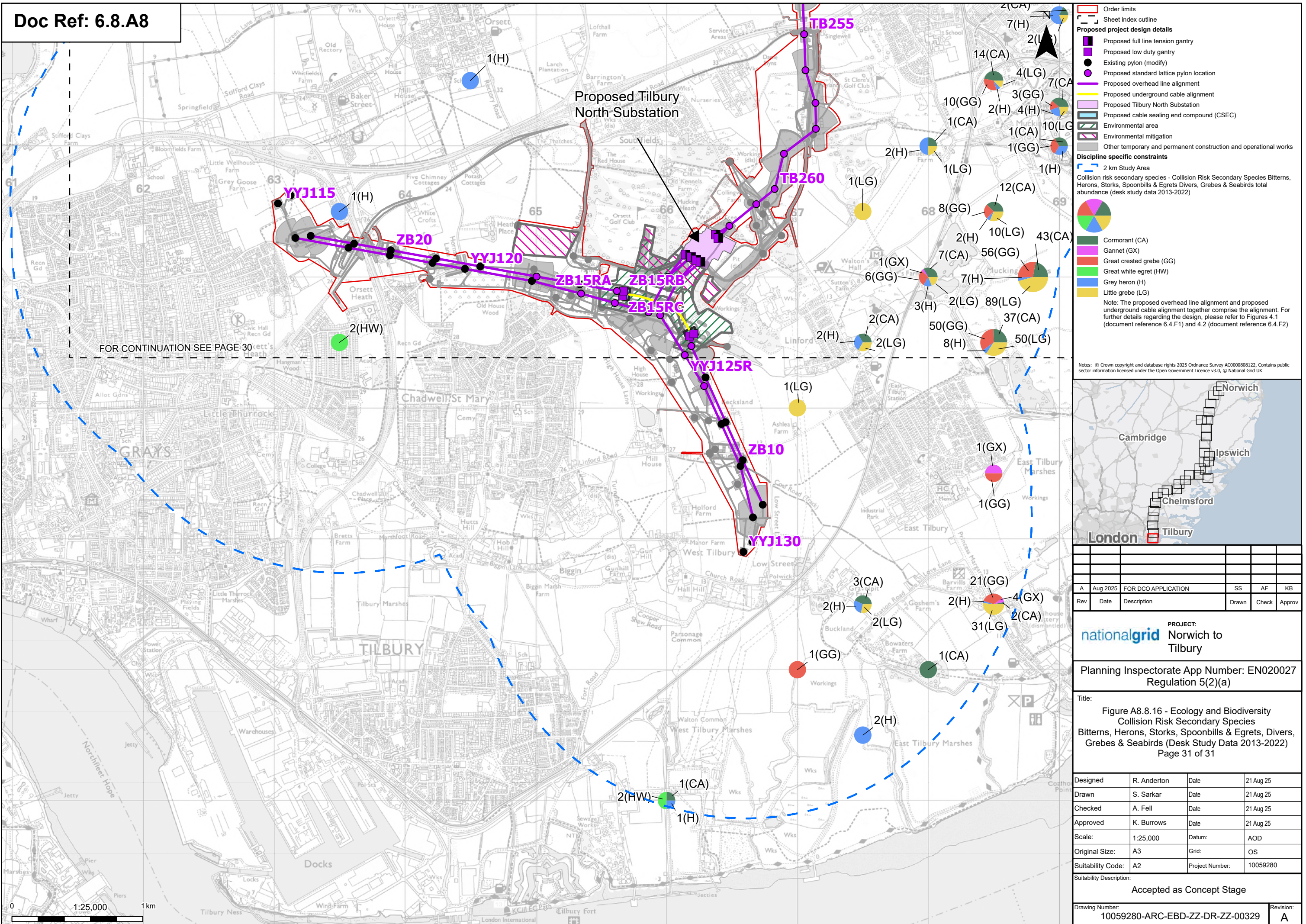
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PROJECT:
nationalgrid Norwich to
Tilbury

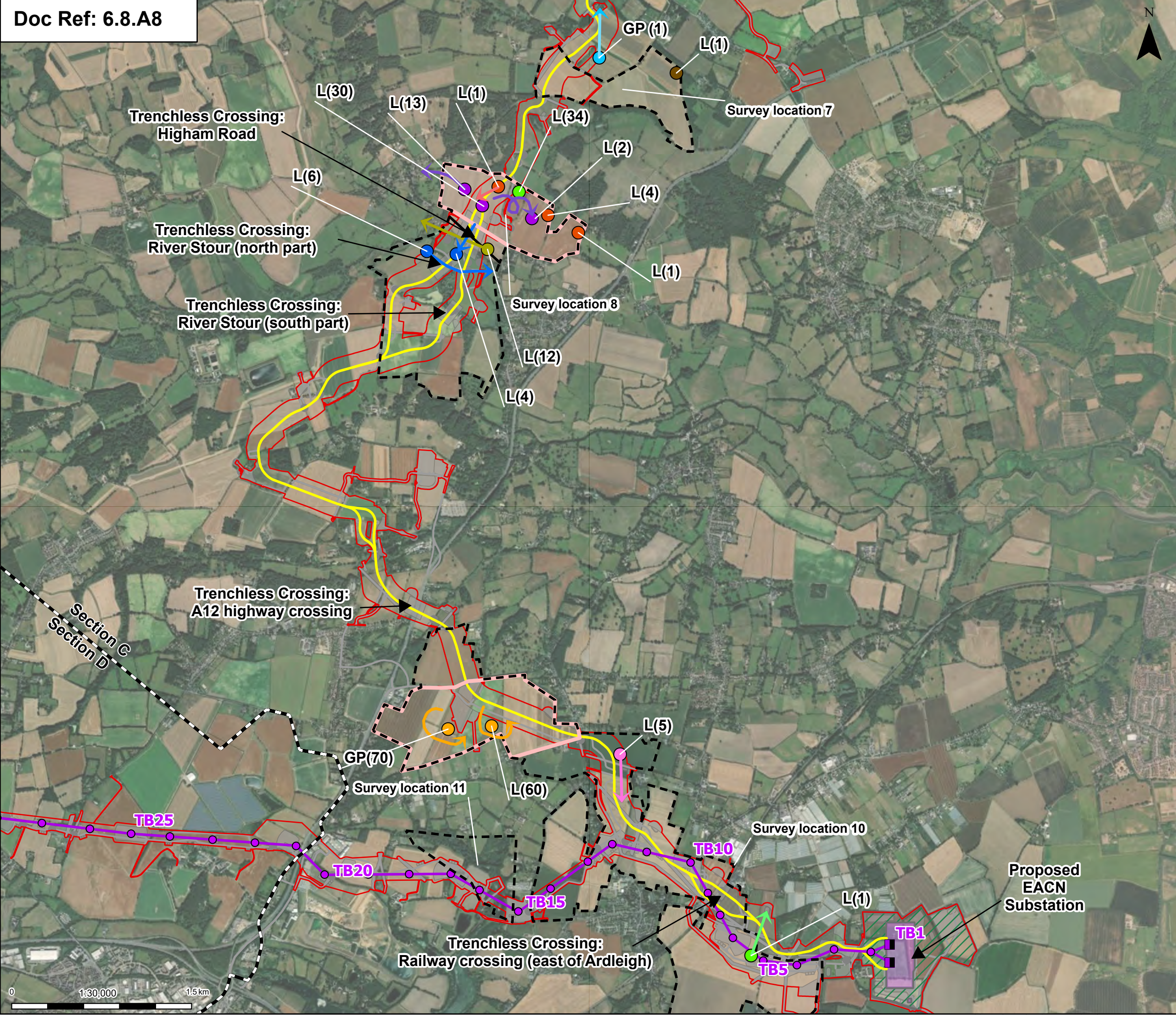
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure A8.8.16 - Ecology and Biodiversity
Collision Risk Secondary Species
Bitterns, Herons, Storks, Spoonbills & Egrets, Divers,
Grebes & Seabirds (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-00329	Revision:	A
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Order limits

Project section line

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

Stour and Orwell estuaries SPA ramsar assemblage species

Date

20/10/2022

23/11/2022

07/12/2022

15/12/2022

10/01/2023

24/01/2023

08/02/2023

15/02/2023

21/02/2023

→ Direction of Flight

Functionally Linked Land

Survey Areas

GP - Golden Plover

L - Lapwing

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

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PROJECT:
nationalgrid Norwich to Tilbury

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

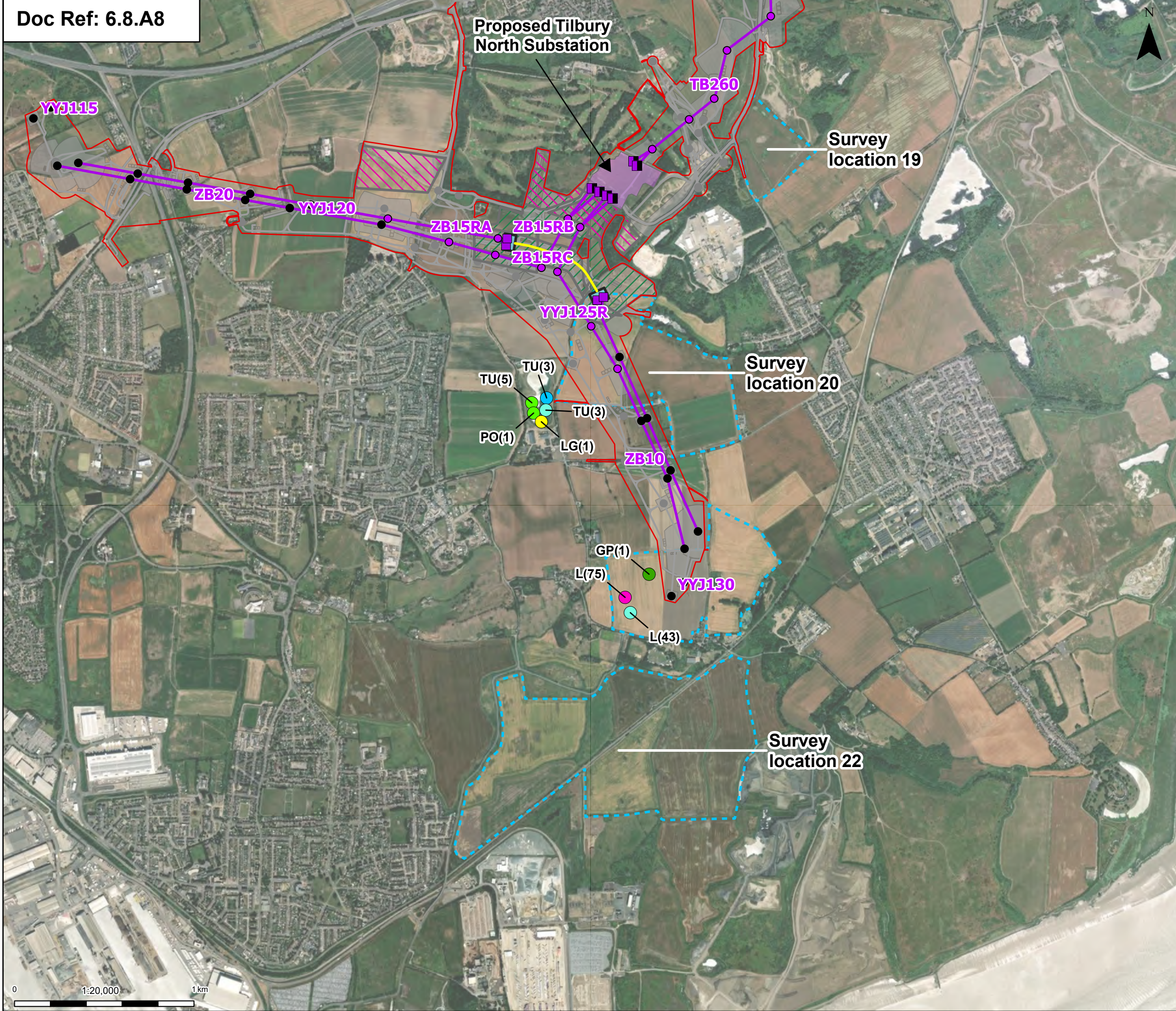
Title:
Figure A8.8.17 Ecology and Biodiversity-
Field Results - Stour and Orwell Estuaries
SPA Ramsar Assemblage
Species (Lapwing & Golden Plover)

Designed	R. Anderton	Date	21 Aug 25
Drawn	N. Banu	Date	21 Aug 25
Checked	R. Anderton	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:30,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Order limits

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

Survey Areas

Thames estuary and marshes SPA / Ramsar assemblage species

16/11/2023

08/12/2023

11/01/2024

23/01/2024

08/02/2024

20/02/2024

GP - Golden Plover

L - Lapwing

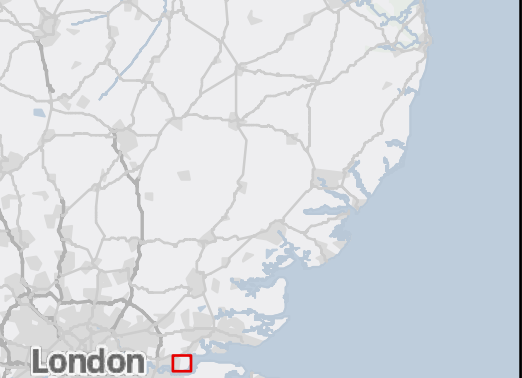
LG - Little Grebe

PO - Pochard

TU - Tufted Duck

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

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PROJECT:
nationalgrid Norwich to Tilbury

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

Title:

Figure A8.8.18 - Ecology and Biodiversity-
Field Results - Thames Estuary and Marshes
SPA / Ramsar Assemblage Species

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:	1:20,000	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-00340	A

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Warwick Technology Park,
Gallows Hill, Warwick.
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