

AENC-ARC-ENV-REP-0148

Norwich to Tilbury

Volume 6: Environmental Statement

Document: 6.8.A16 Figure A8.16.3: Non-Statutory Designated Sites
for Biodiversity Tracked Changes Version of Deadline 4 Submission

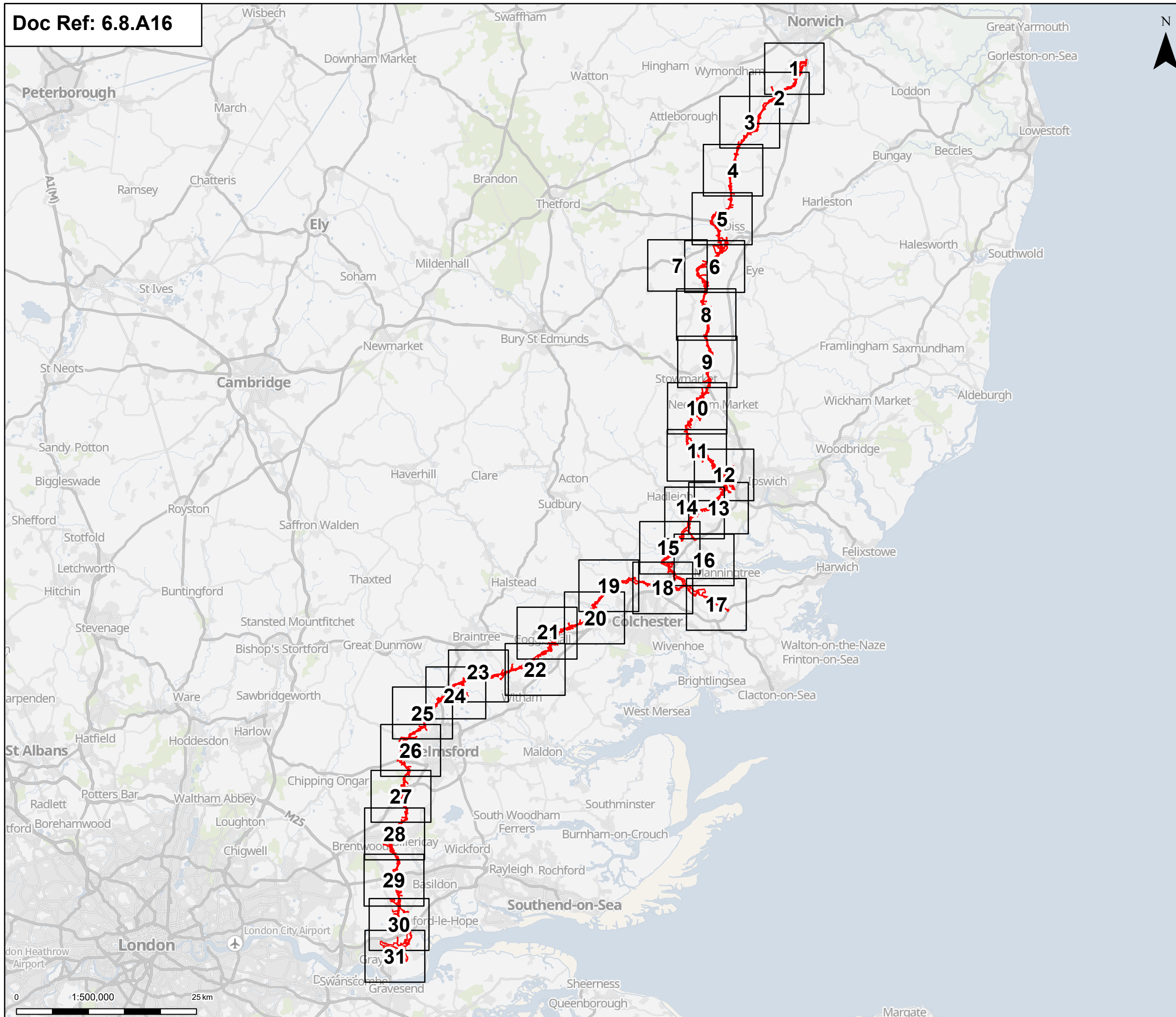
Final Issue B

June 2026

Planning Inspectorate Reference: EN020027

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

nationalgrid

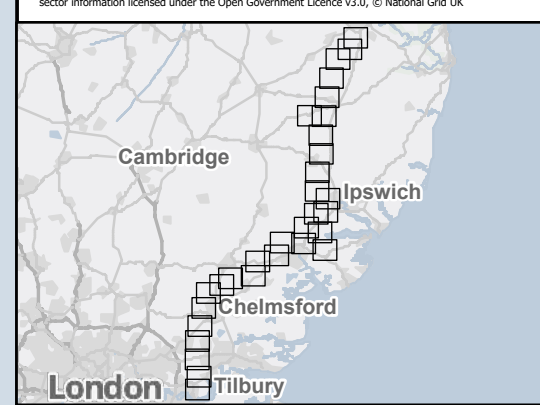


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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:
nationalgrid Norwich to Tilbury

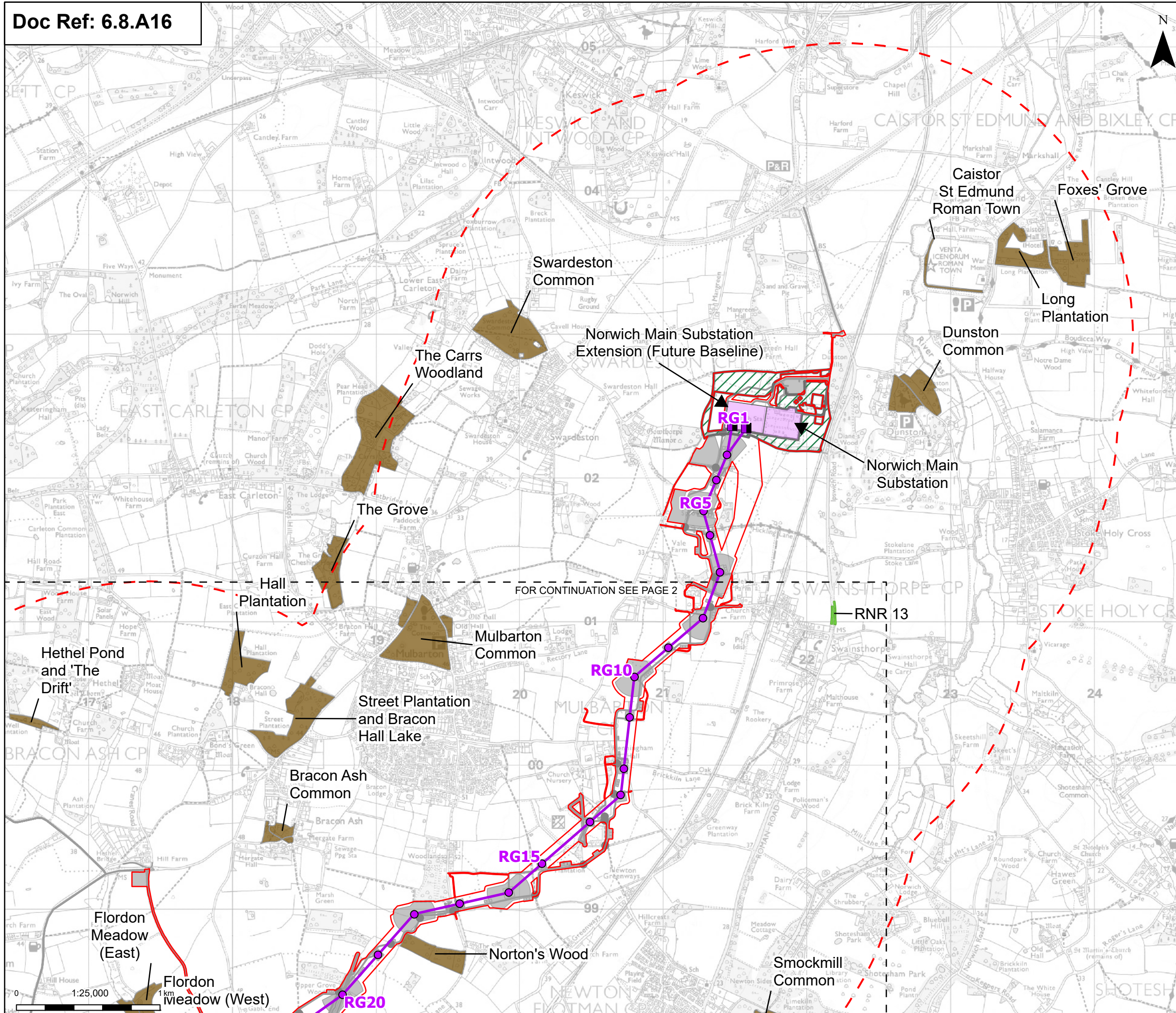
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 Regulation 5(2)(a)&(l)(i)

Title:
Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity Overview

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Drawn	N. Banu	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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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-00407	Revision:	B
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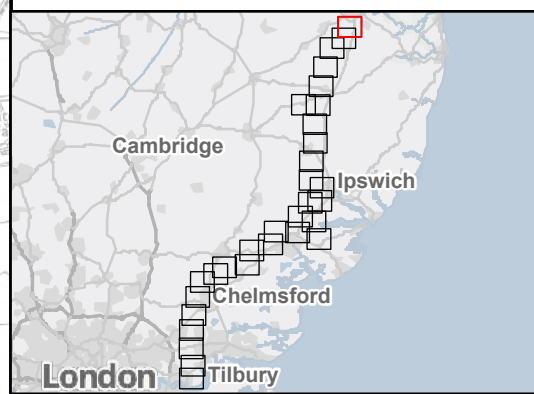
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- [Purple dot symbol] Proposed standard lattice pylon location
- [Purple line symbol] Proposed overhead line alignment
- [Light purple box symbol] Norwich Main Substation
- [Light purple box symbol] Norwich Main Substation Extension (future baseline)
- [Green hatched box symbol] Environmental area
- [Grey box symbol] Other temporary and permanent construction and operational works

Discipline specific constraints

- [Red dashed line symbol] 2 km Study Area
- [Brown box symbol] County Wildlife Sites
- [Green box symbol] Roadside Nature Reserve

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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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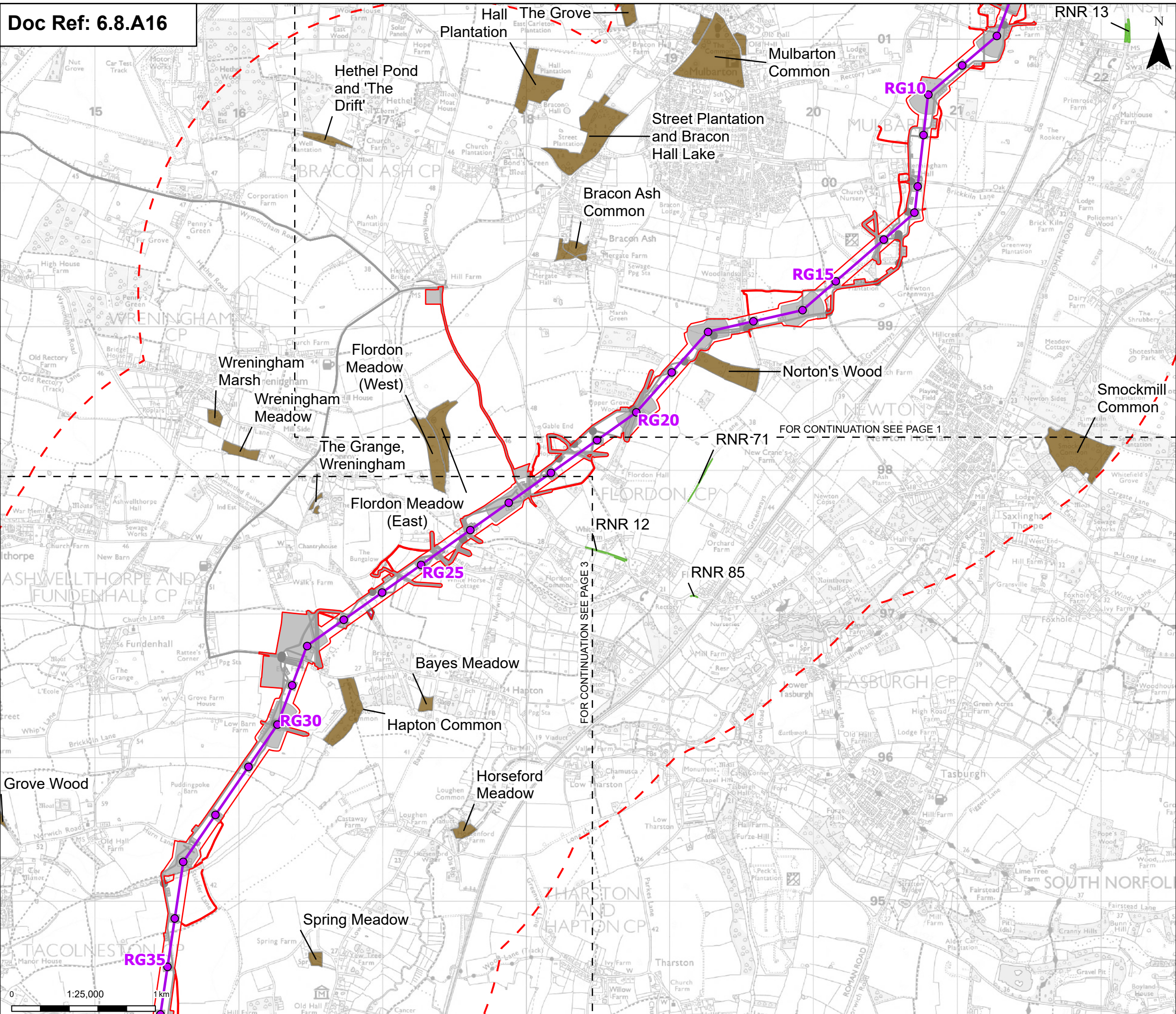
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 Page 1 of 31

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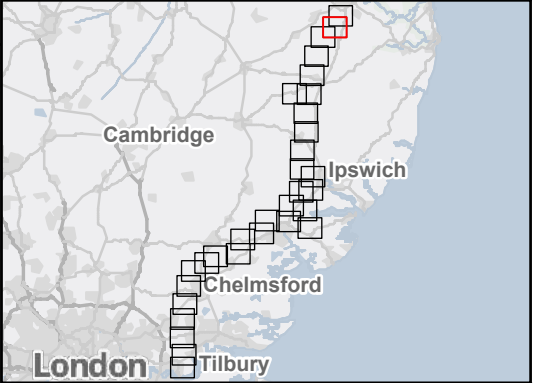
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- [Purple line symbol] Proposed overhead line alignment
- [Hatched box symbol] Environmental mitigation
- [Grey box symbol] Other temporary and permanent construction and operational works

Discipline specific constraints

- [Red dashed line symbol] 2 km Study Area
- [Brown box symbol] County Wildlife Sites
- [Green box symbol] Roadside Nature Reserve

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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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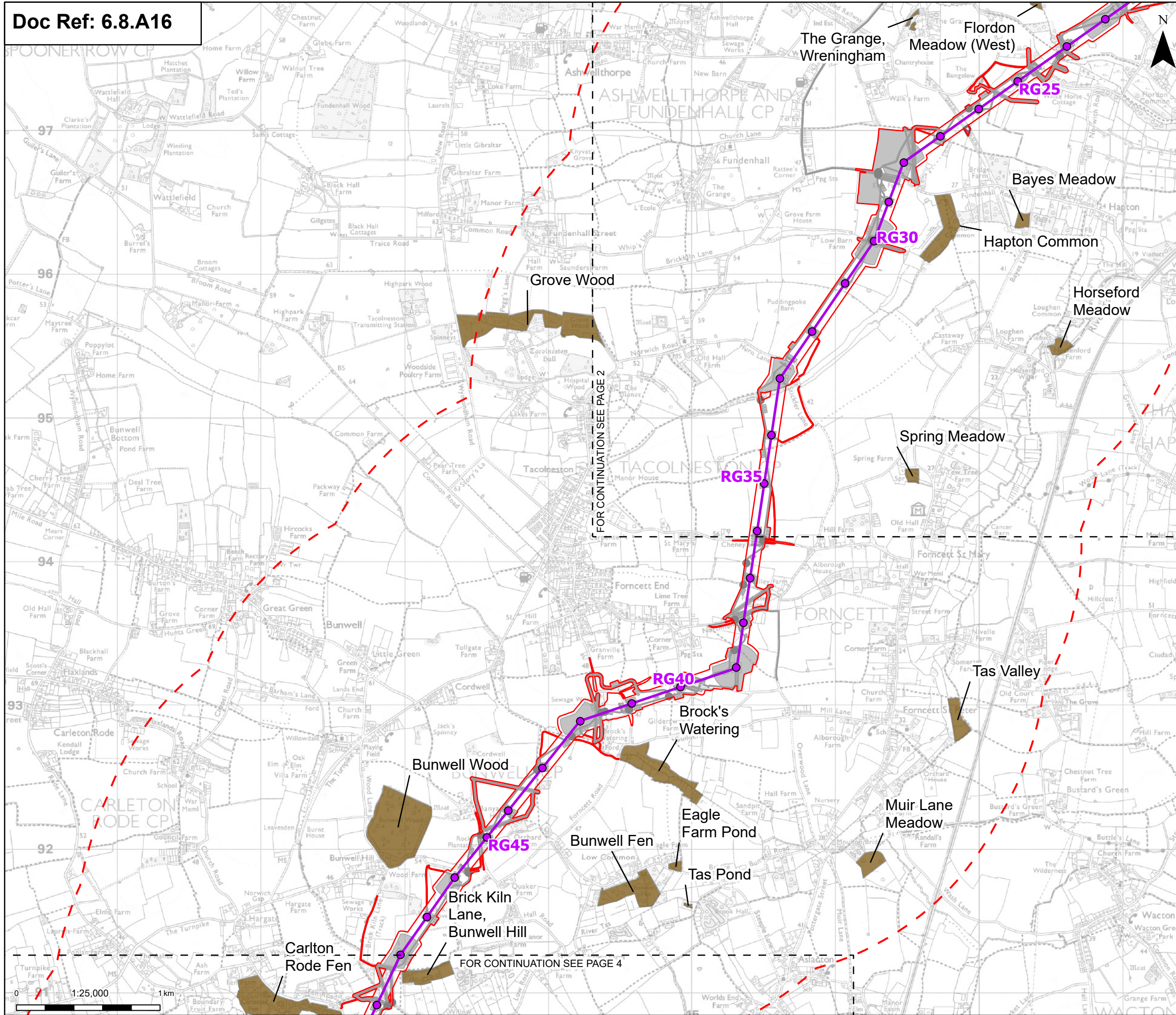
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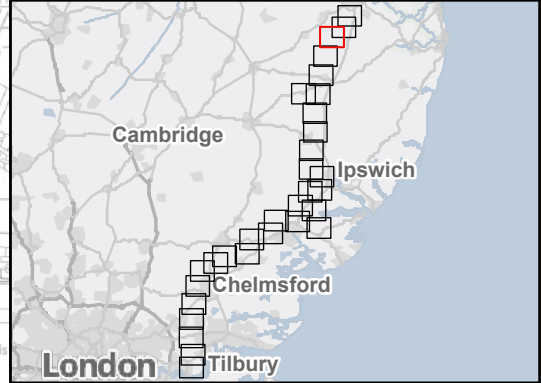
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Proposed project design details
 [Purple dot symbol] Proposed standard lattice pylon location
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 [Brown shaded area symbol] Environmental mitigation
 [Grey shaded area symbol] Other temporary and permanent construction and operational works

Discipline specific constraints
 [Red dashed line symbol] 2 km Study Area
 [Brown shaded area symbol] County Wildlife Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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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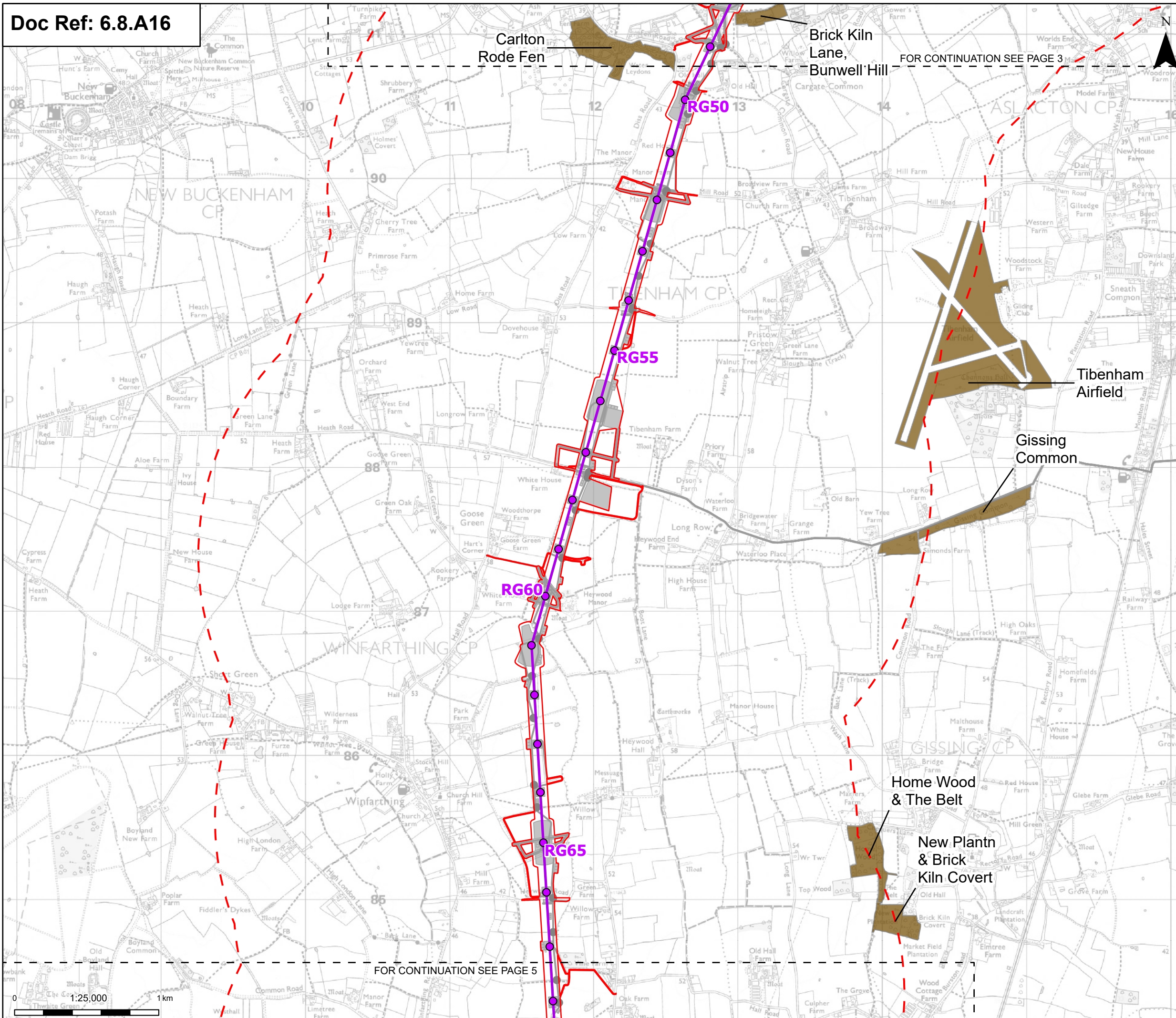
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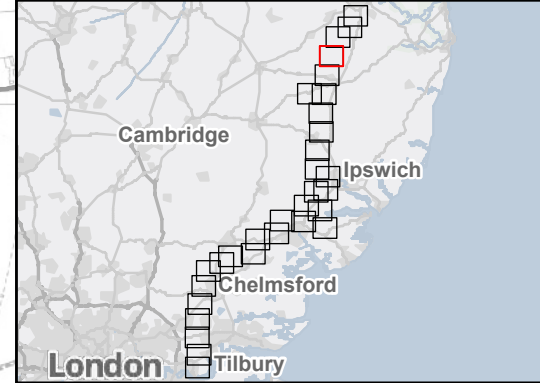
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Proposed project design details
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 [Purple line symbol] Proposed overhead line alignment
 [Grey area symbol] Other temporary and permanent construction and operational works

Discipline specific constraints
 [Red dashed line symbol] 2 km Study Area
 [Brown area symbol] County Wildlife Sites

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FOR CONTINUATION SEE PAGE 4

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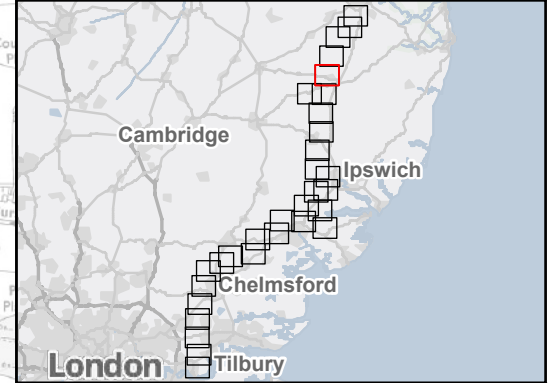
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 ▨ Environmental mitigation
 ▨ Other temporary and permanent construction and operational works

Discipline specific constraints
 - - - 2 km Study Area
 ■ County Wildlife Sites
 ■ Roadside Nature Reserve

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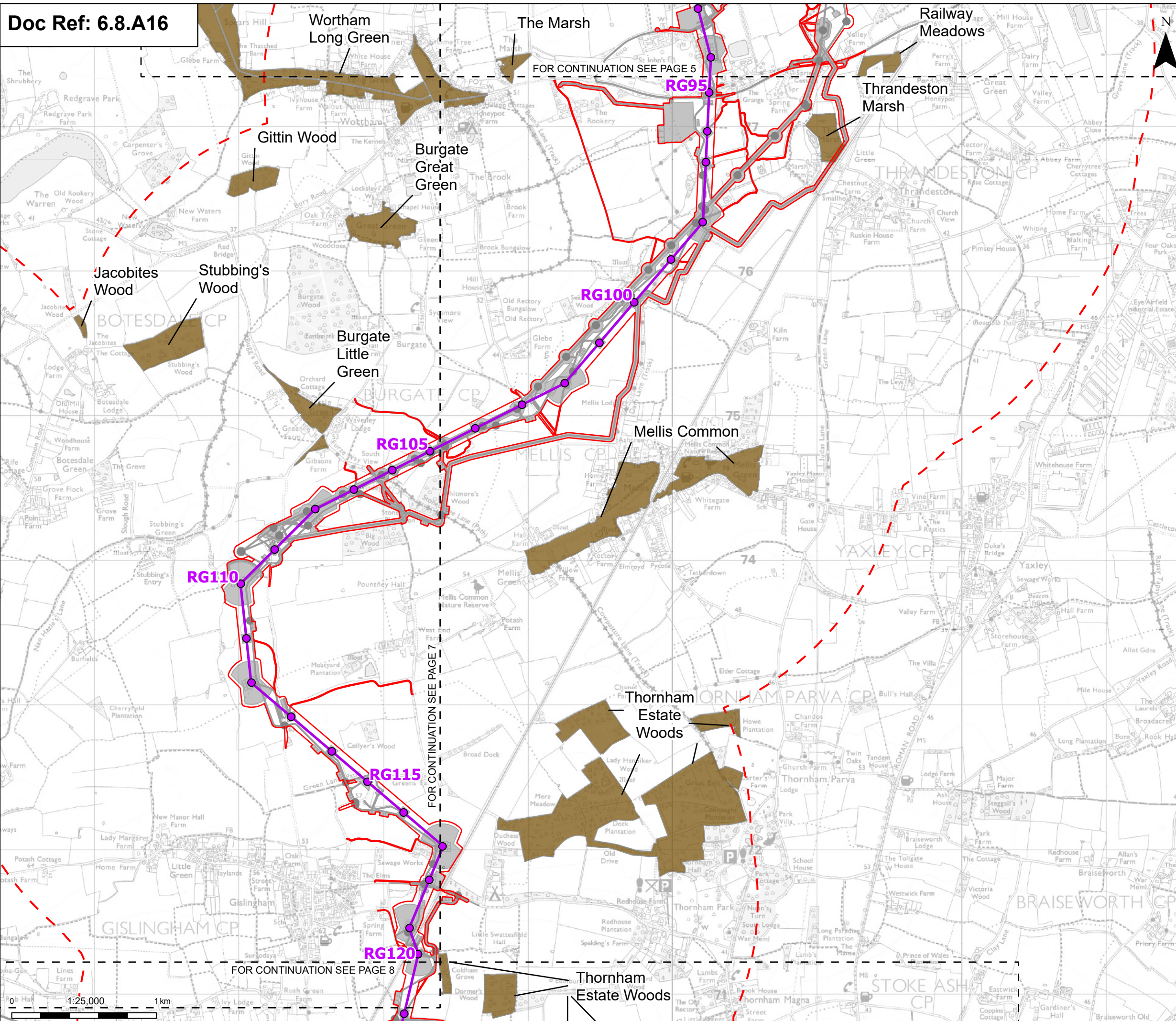
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Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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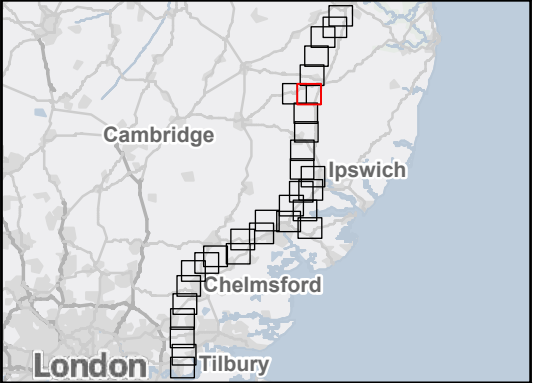
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 [Grey solid area symbol] Other temporary and permanent construction and operational works

Discipline specific constraints
 [Red dashed line symbol] 2 km Study Area
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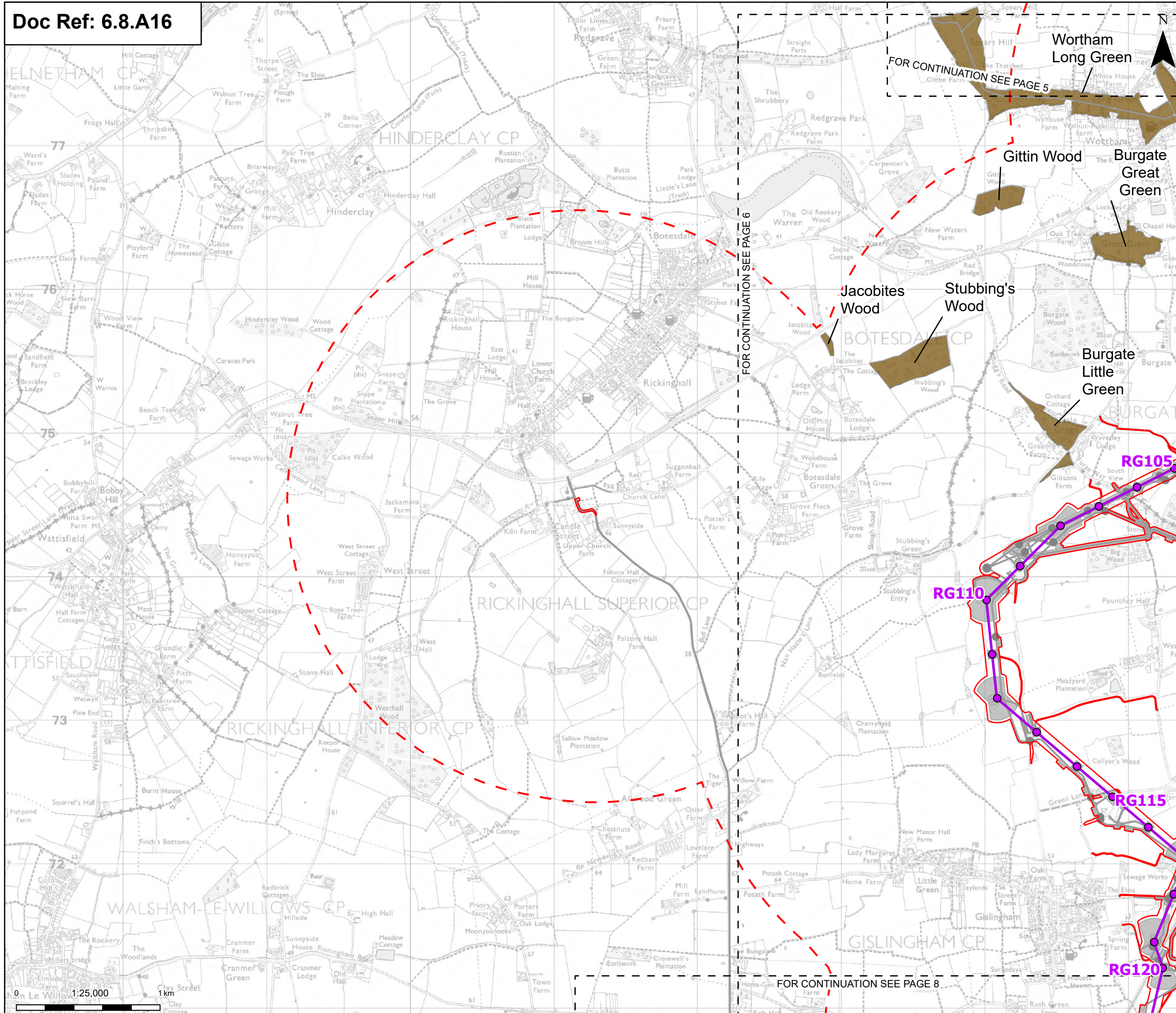
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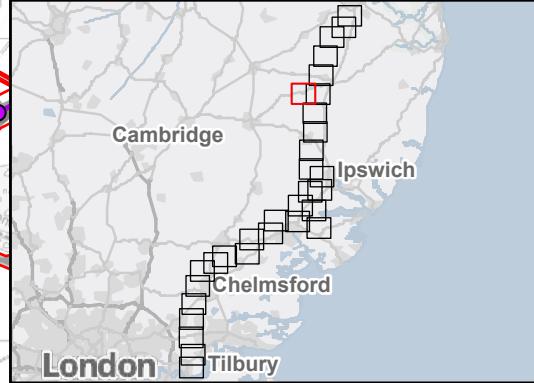
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Discipline specific constraints
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FOR CONTINUATION SEE PAGE 7

FOR CONTINUATION SEE PAGE 6

RNR 211
RNR 212

RG125

RG130

RG135

RG140

Thornham Estate Woods

Thornham Estate Woods

Topcroft Farm Meadows

Order limits
 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
 County Wildlife Sites
 Roadside Nature Reserve

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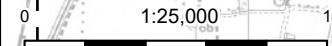
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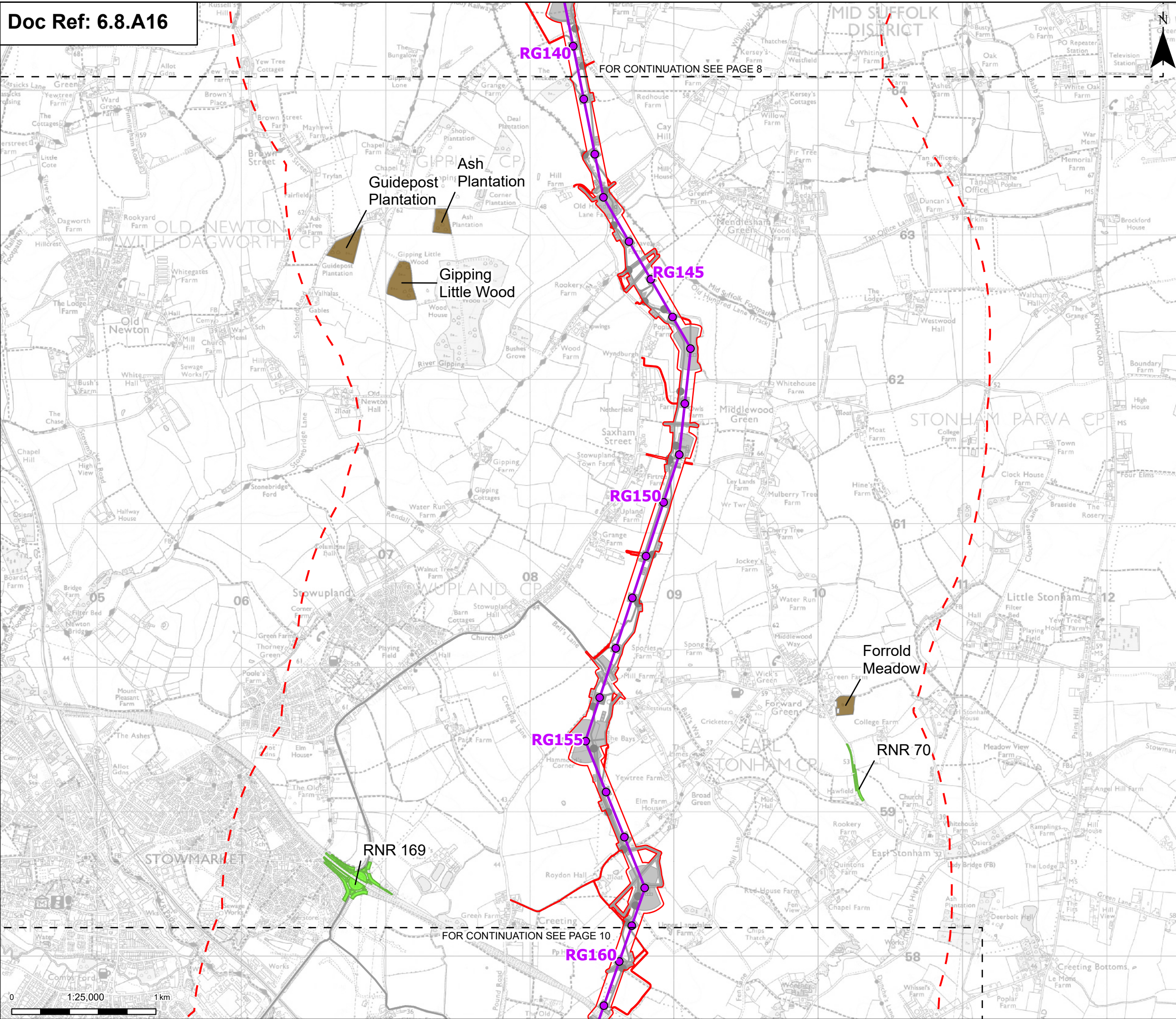
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- Order limits
- Sheet index outline
- Proposed project design details**
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works
- Discipline specific constraints**
- 2 km Study Area
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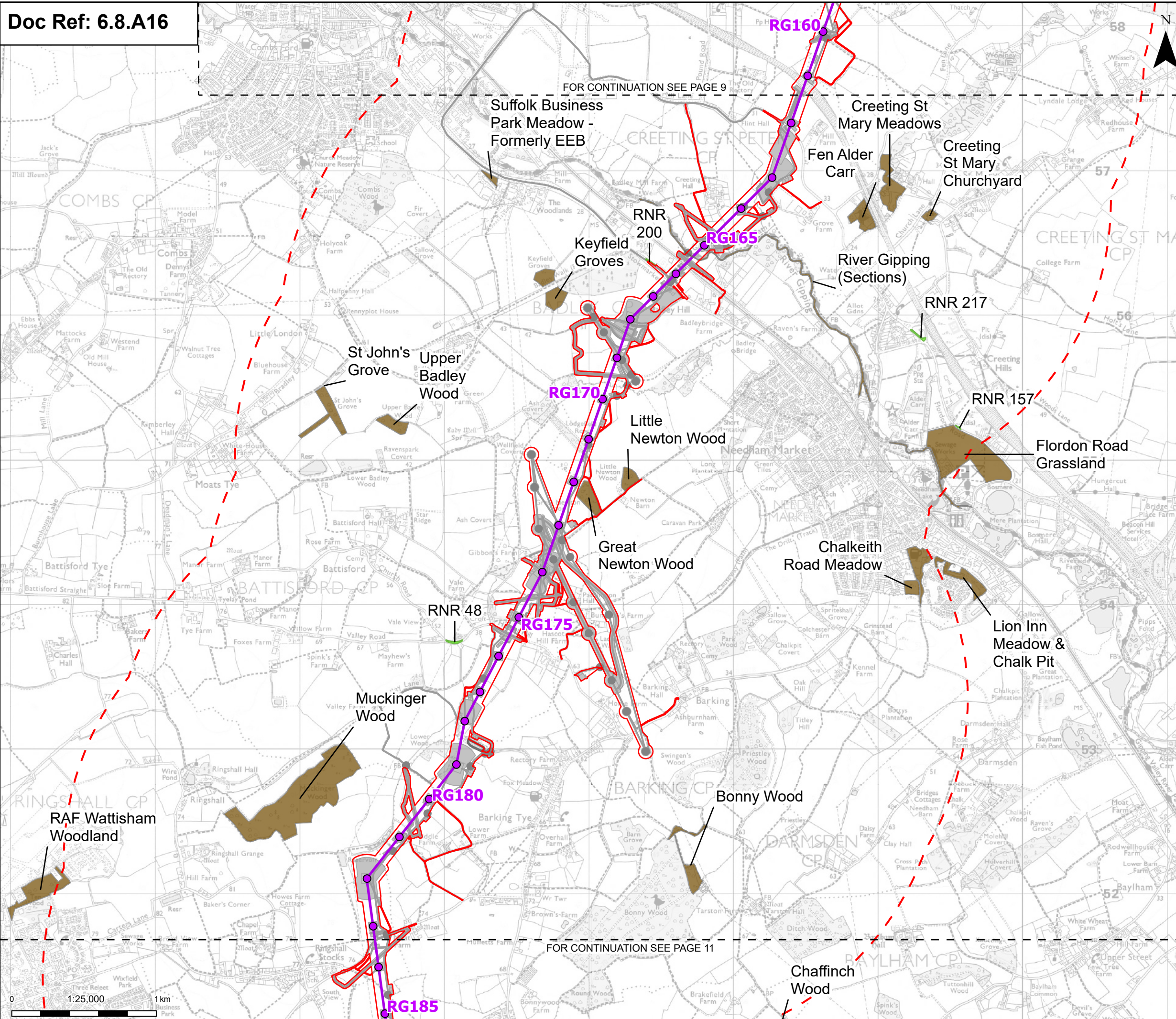
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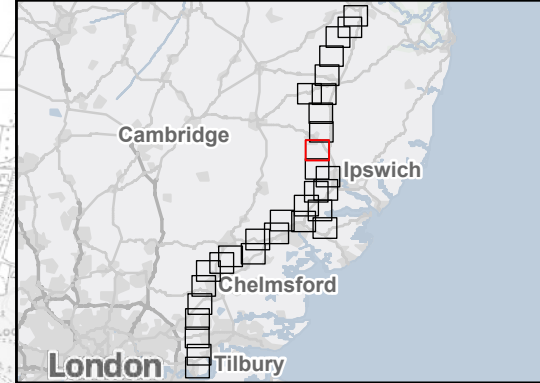




- Order limits
- Sheet index outline
- Proposed project design details**
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works
- Discipline specific constraints**
- 2 km Study Area
- County Wildlife Sites
- Roadside Nature Reserve

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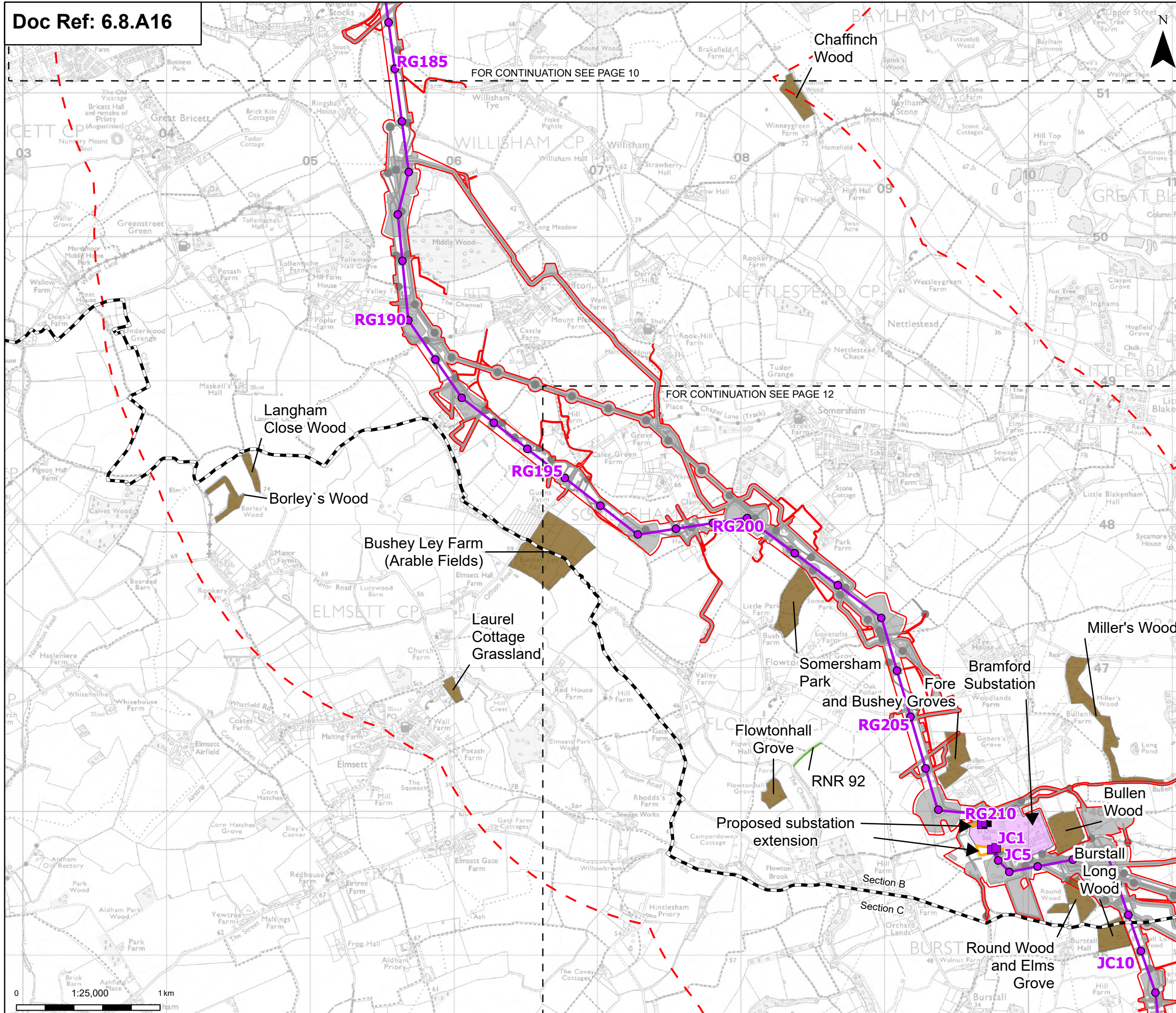
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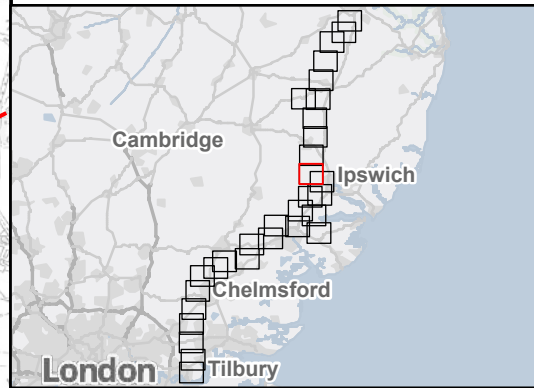
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- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Bramford Substation
- Bramford Substation Extension
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- County Wildlife Sites
- Roadside Nature Reserve

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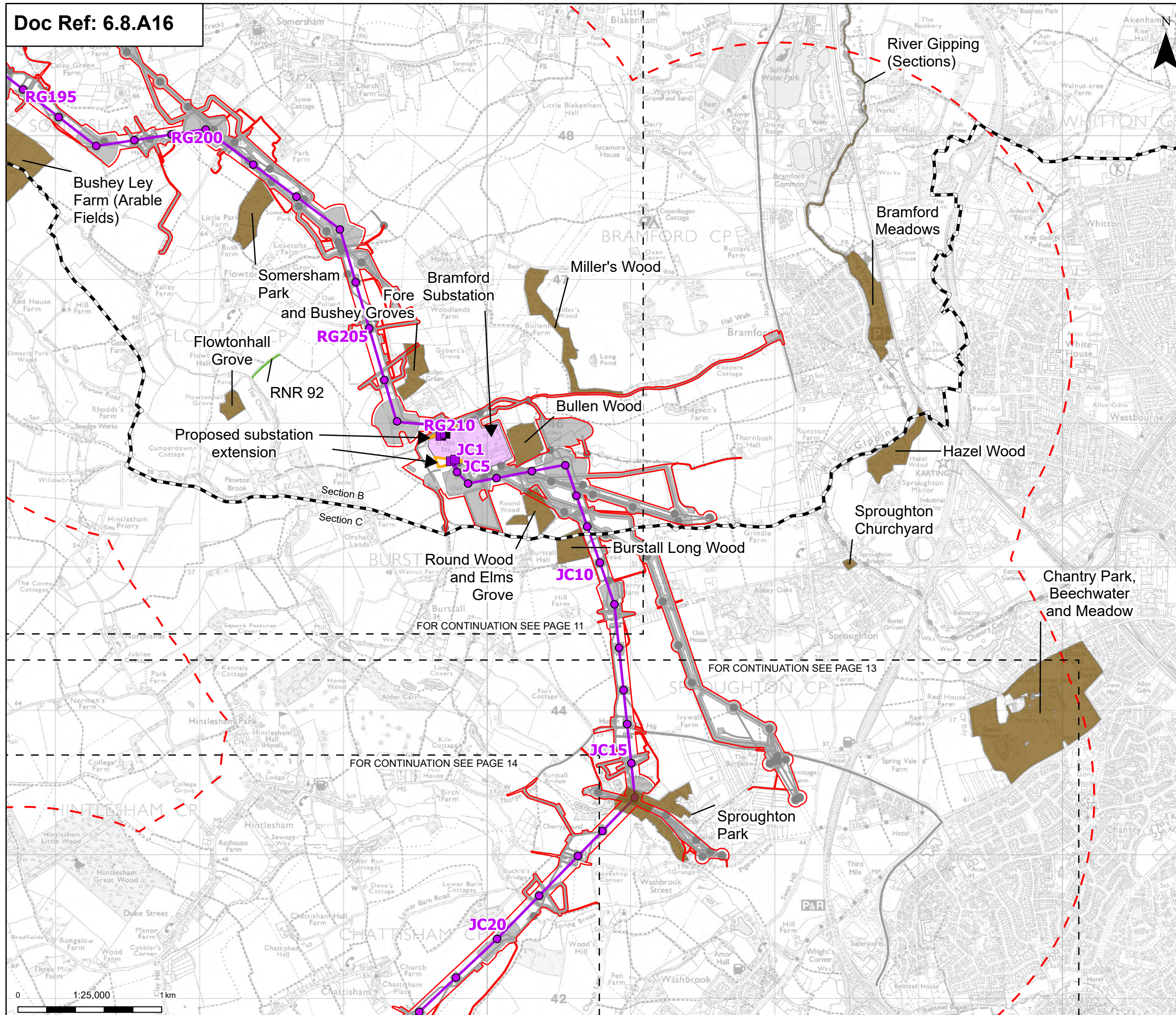
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 Proposed overhead line alignment
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 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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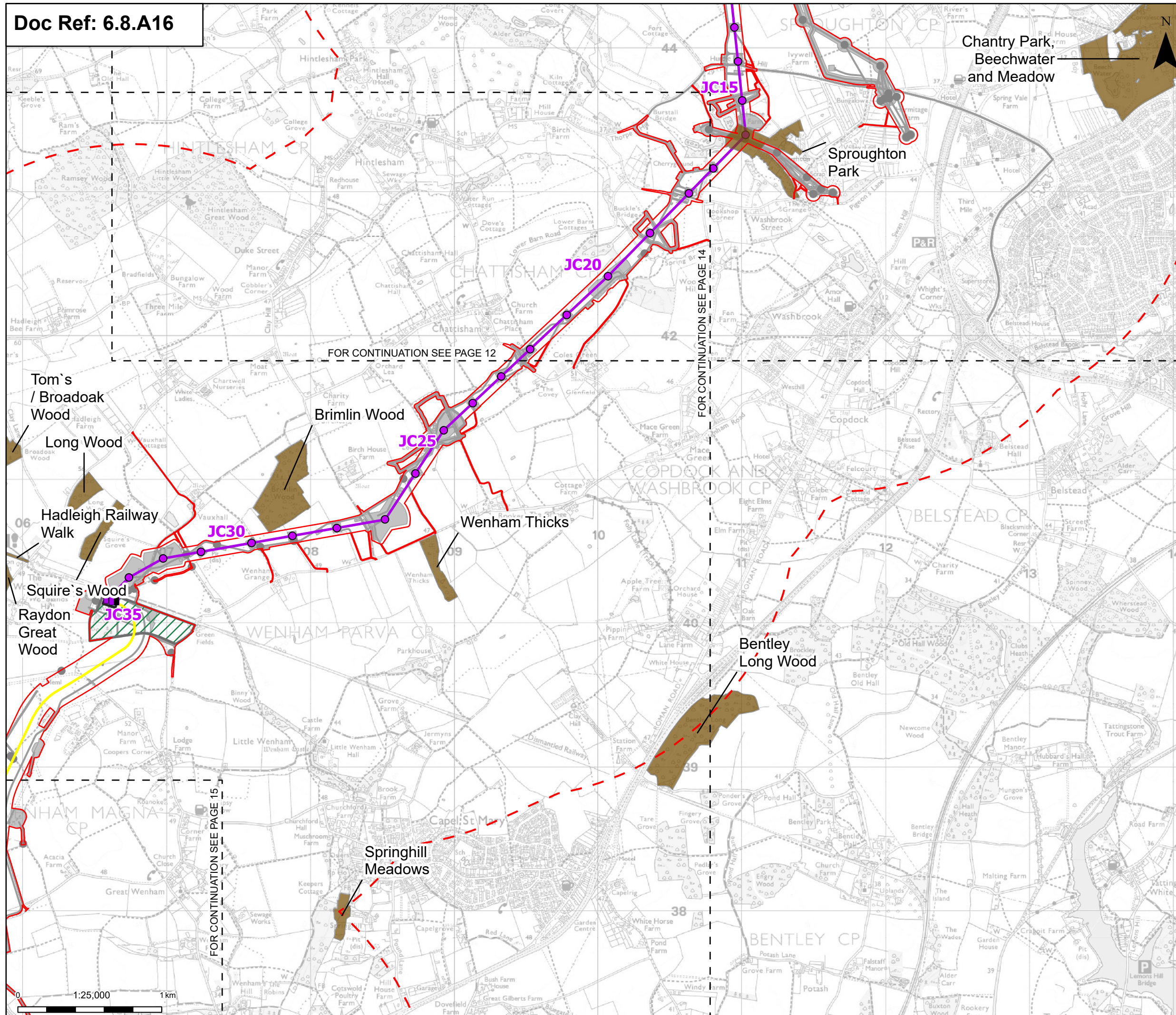
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Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
 Accepted as Concept Stage

Drawing Number:
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Revision:
 B





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Proposed project design details

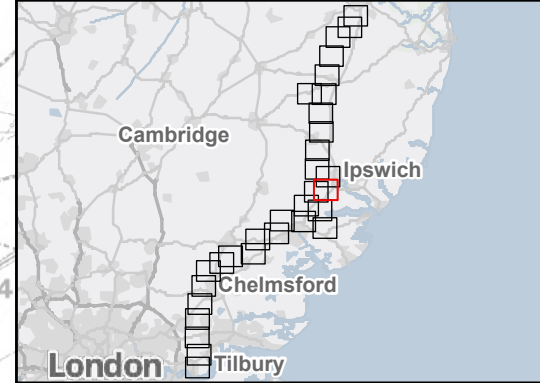
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- [Purple line symbol] Proposed overhead line alignment
- [Yellow line symbol] Proposed underground cable alignment
- [Green line symbol] Proposed cable sealing end compound (CSEC)
- [Green hatched area symbol] Environmental area
- [Grey hatched area symbol] Other temporary and permanent construction and operational works

Discipline specific constraints

- [Red dashed line symbol] 2 km Study Area
- [Brown hatched area symbol] County Wildlife Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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	KF	AF	KB
Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

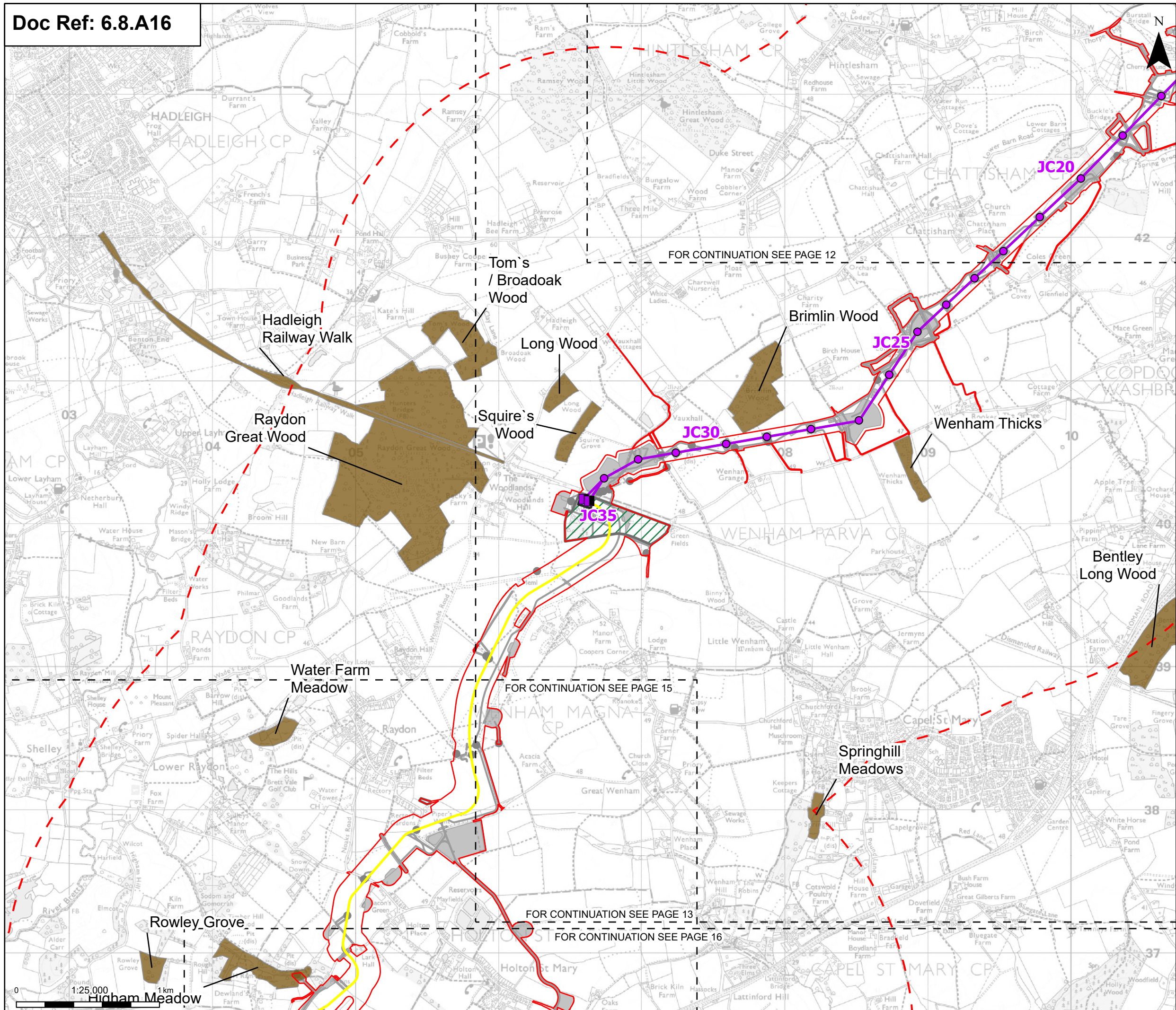
Planning Inspectorate App Number: EN020027
 Regulation 5(2)(a)&(1)(i)

Title:
 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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Designed	R. Booth	Date	May 26
Drawn	N. Banu	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00407	Revision: B
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Order limits
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Proposed project design details

- [Purple line symbol] Proposed full line tension gantry
- [Purple dot symbol] Proposed standard lattice pylon location
- [Purple line symbol] Proposed overhead line alignment
- [Yellow line symbol] Proposed underground cable alignment
- [Blue line symbol] Proposed cable sealing end compound (CSEC)
- [Green hatched area symbol] Environmental area
- [Pink hatched area symbol] Environmental mitigation
- [Grey area symbol] Other temporary and permanent construction and operational works

Discipline specific constraints

- [Red dashed line symbol] 2 km Study Area
- [Brown area symbol] County Wildlife Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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)&(1)(i)

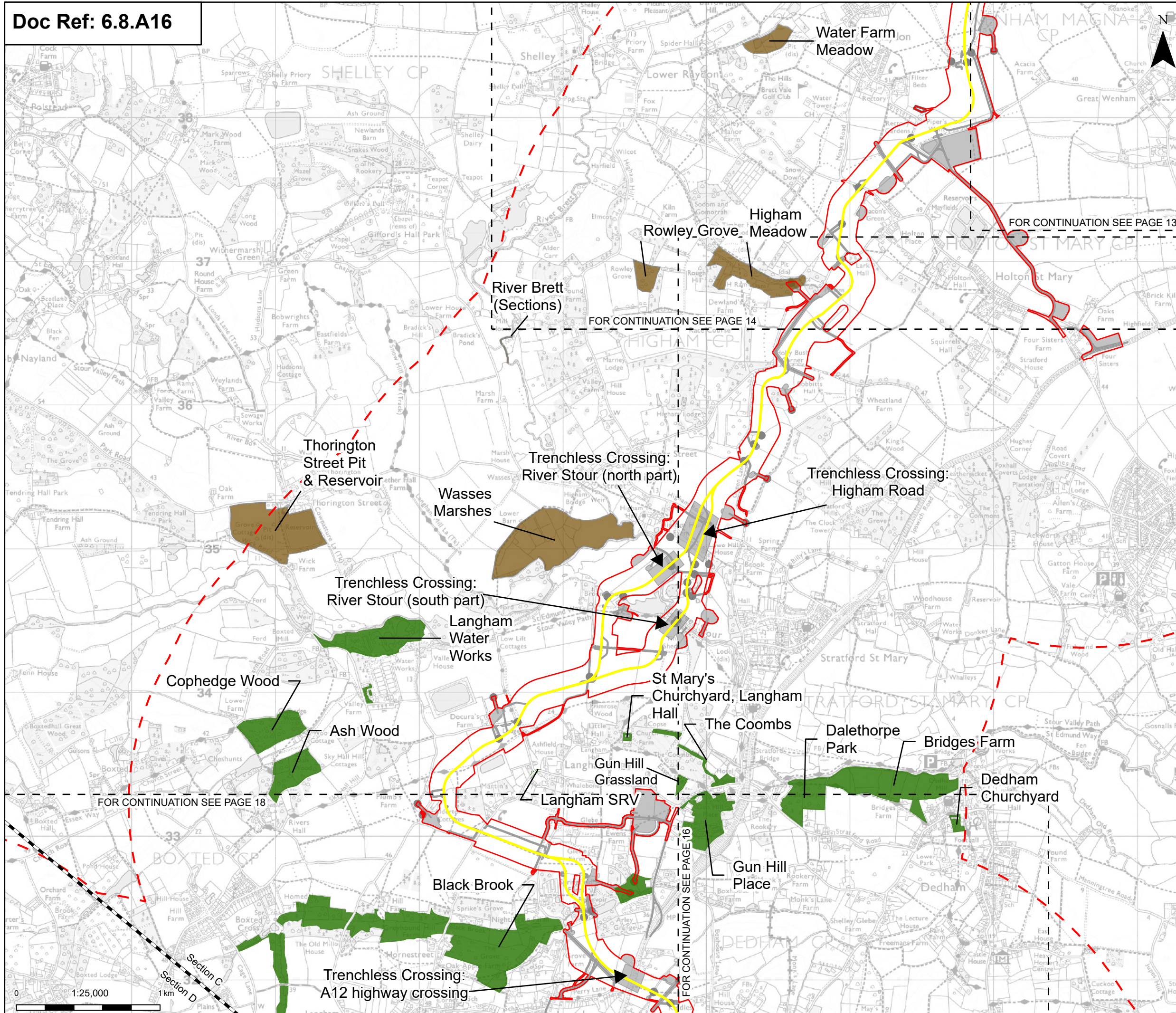
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 Page 14 of 31

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Approved	K. Burrows	Date	May 26
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Suitability Code:	A2	Project Number:	10059280

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Revision:
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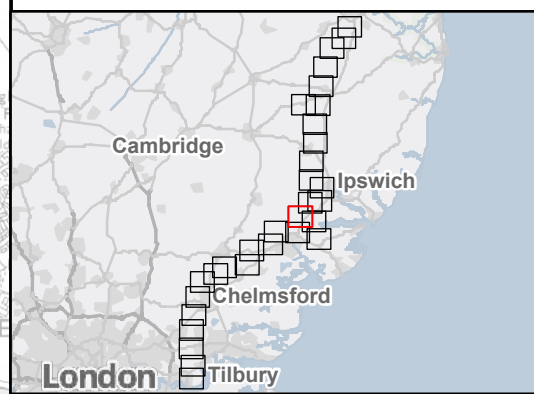
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 Project sections

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
 Local wildlife sites
 County Wildlife Sites

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

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PROJECT:
 nationalgrid Norwich to Tilbury

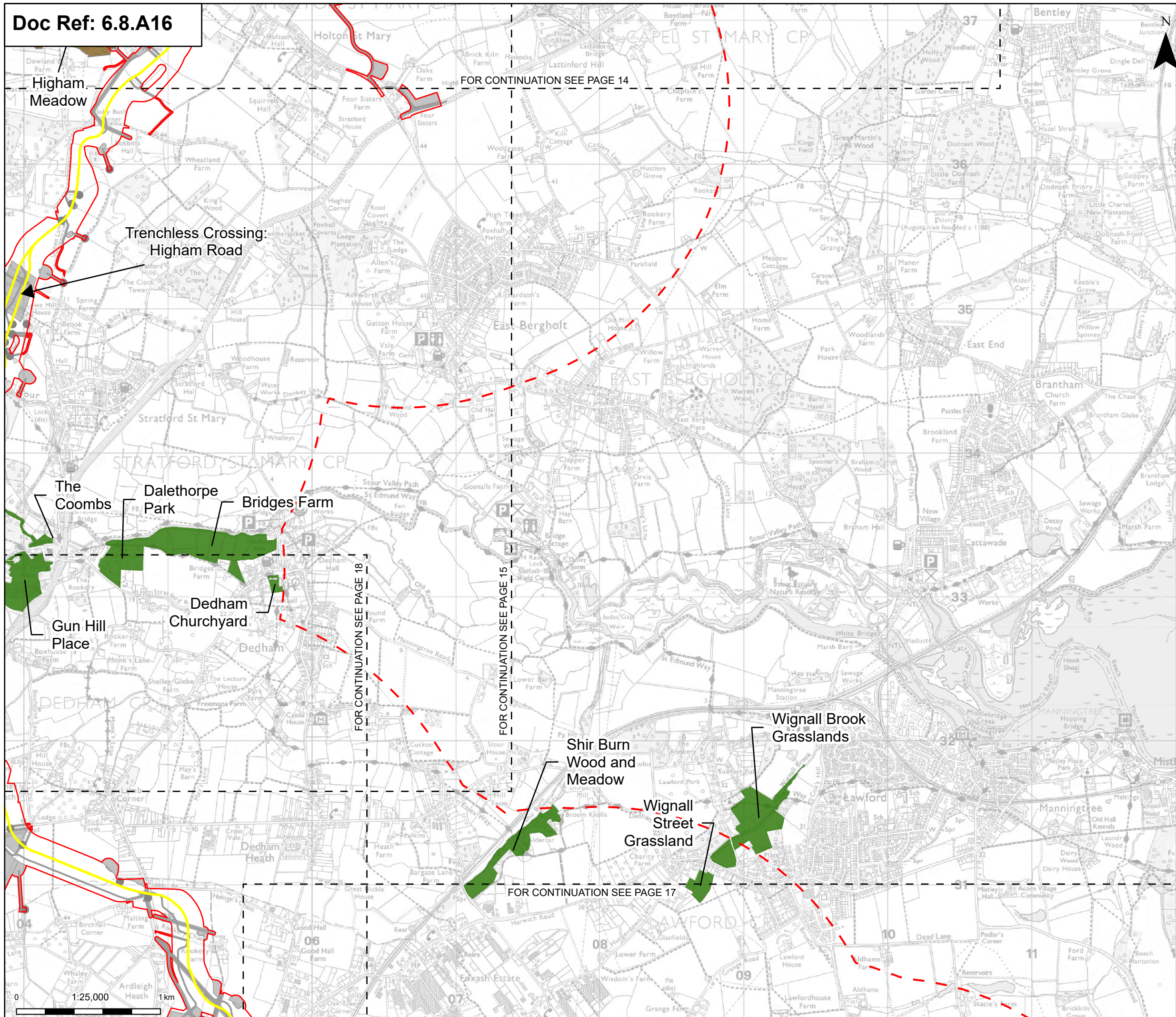
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 Regulation 5(2)(a)&(1)(i)

Title:
 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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Designed	R. Booth	Date	May 26
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Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00407	Revision:	B
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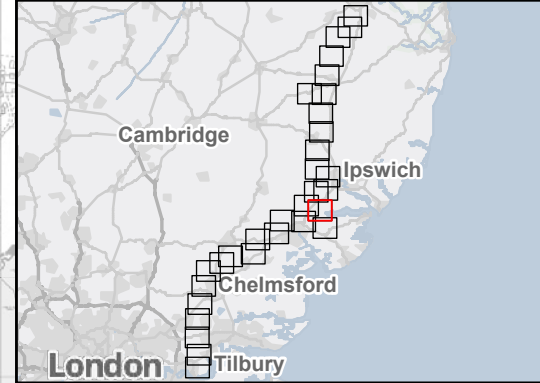
Order limits
 Order limits
 Sheet index outline

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
 Local wildlife sites
 County Wildlife Sites

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

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PROJECT:
nationalgrid Norwich to Tilbury

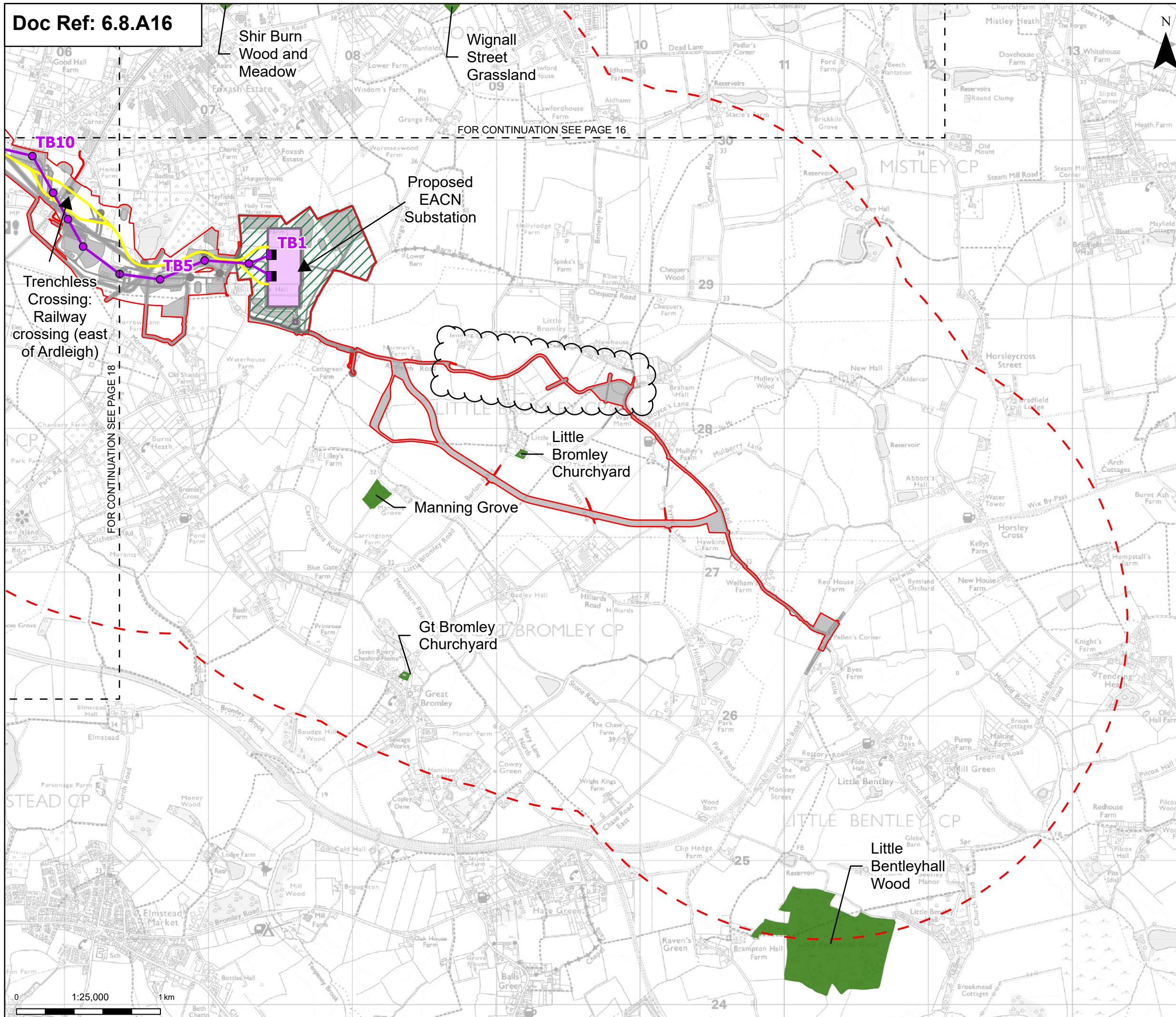
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Title:
 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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Designed	R. Booth	Date	May 26
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Suitability Description:
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Drawing Number:
 10059280-ARC-EBD-ZZ-DR-ZZ-00407
 Revision:
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Order limits

- 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 (EACN) Substation
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Local wildlife sites

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

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PROJECT: **nationalgrid** Norwich to Tilbury

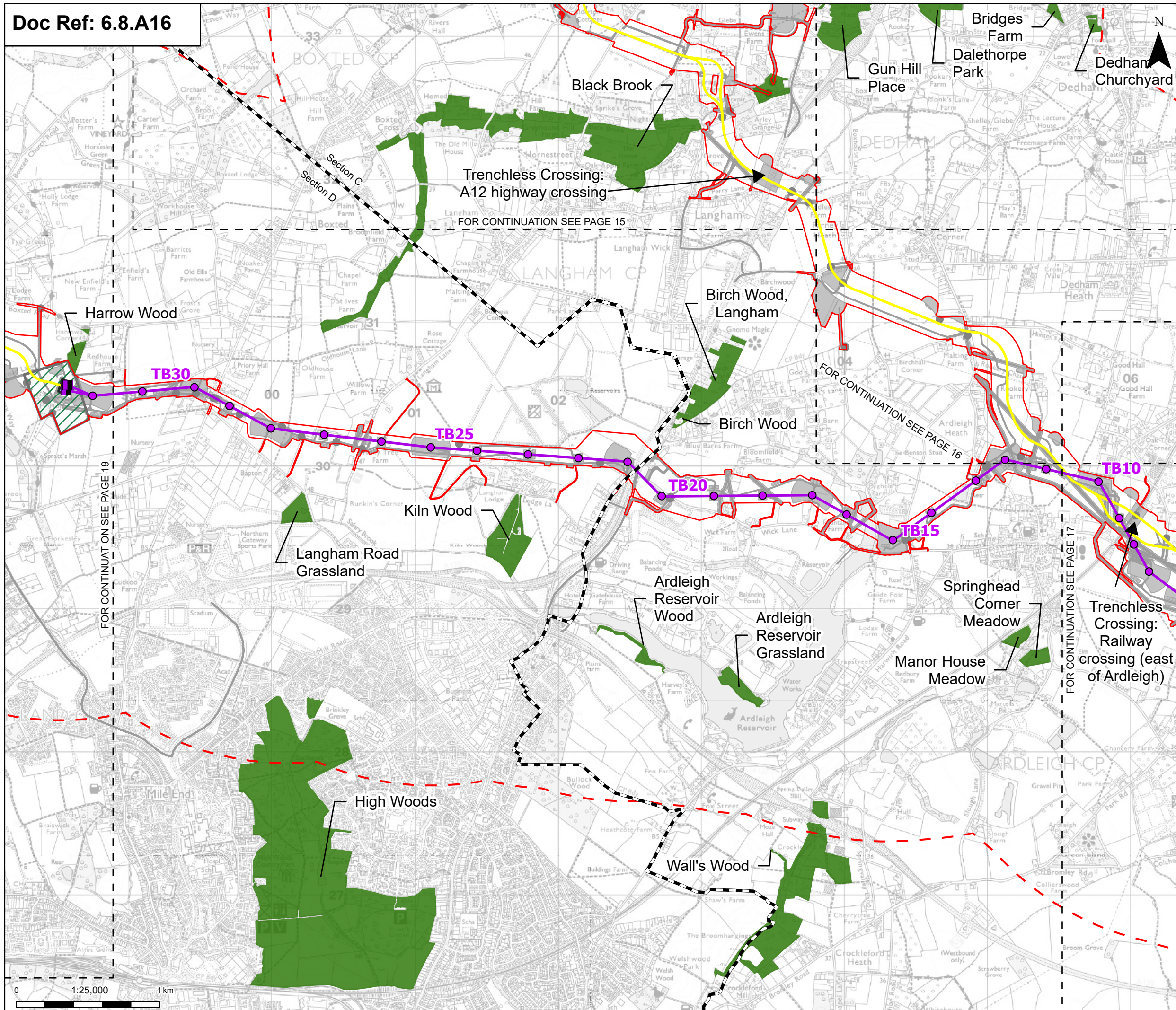
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Title:
Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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Designed	R. Booth	Date	May 26
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Order limits
 Sheet index outline
 Project sections

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

Discipline specific constraints
 2 km Study Area
 Local wildlife sites

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

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Planning Inspectorate App Number: EN020027
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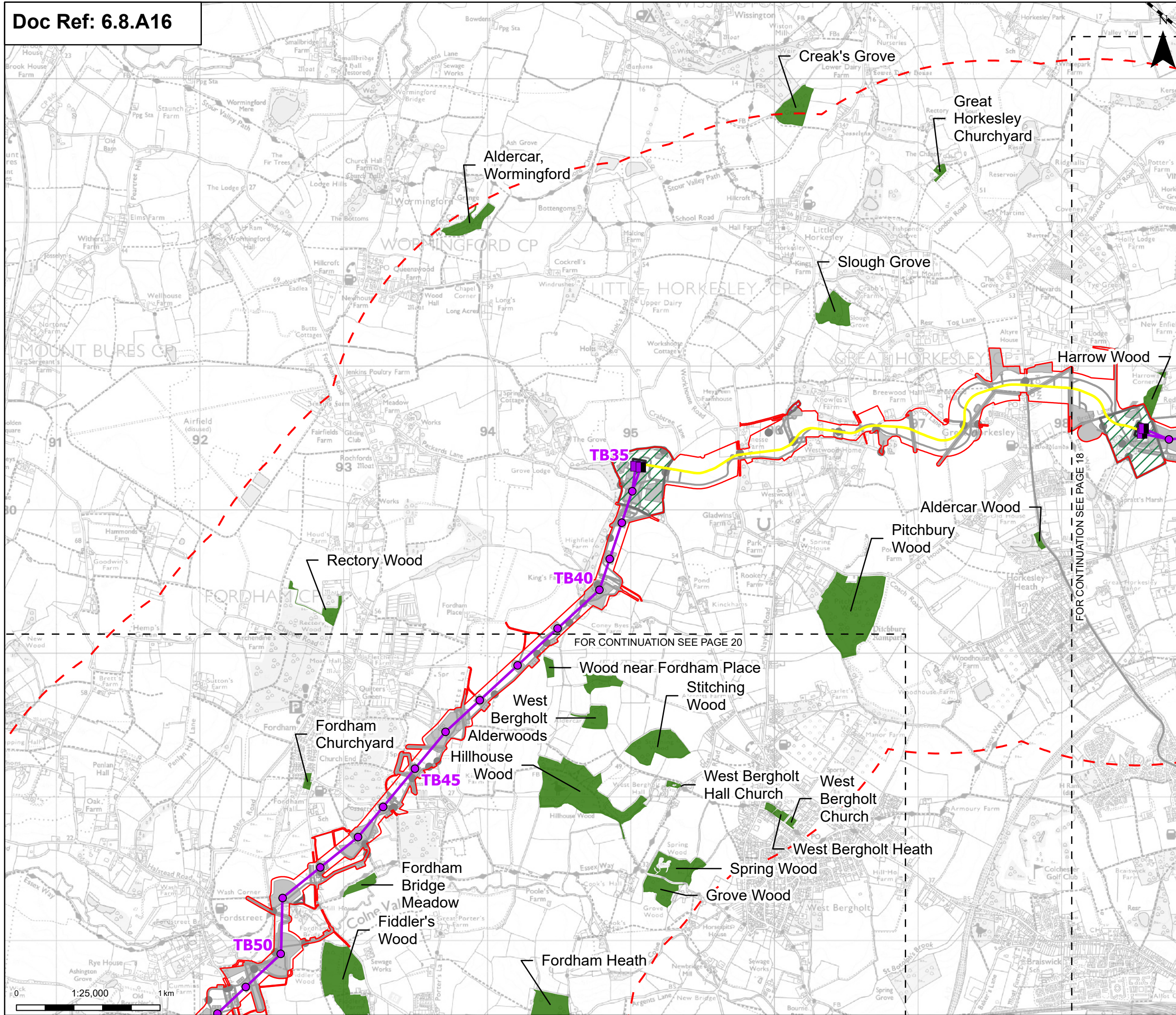
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 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 18 of 31

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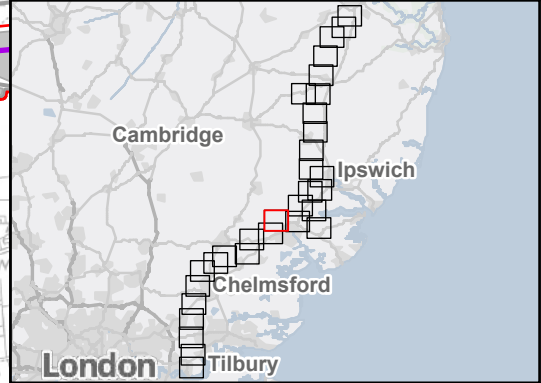
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 Proposed standard lattice pylon location
 Proposed overhead line alignment
 Proposed underground cable alignment
 Proposed cable sealing end compound (CSEC)
 Environmental area
 Environmental mitigation
 Other temporary and permanent construction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

Discipline specific constraints
 2 km Study Area
 Local wildlife sites

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

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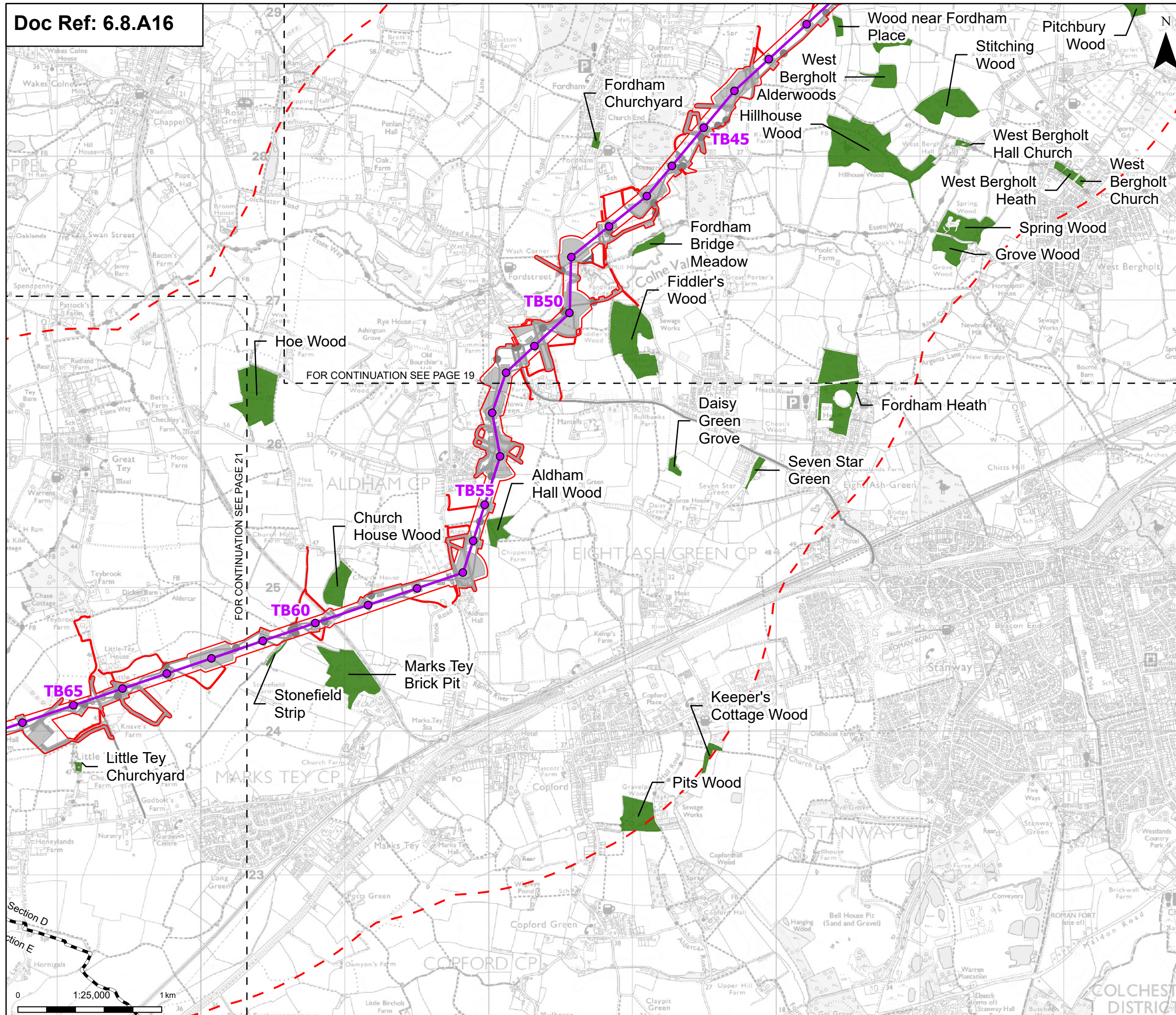
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Title:
 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 19 of 31

Designed	R. Booth	Date	May 26
Drawn	N. Banu	Date	May 26
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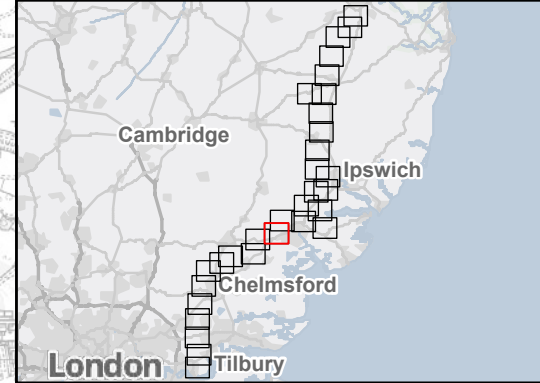
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Drawing Number:	10059280-ARC-EBD-ZZ-DR-ZZ-00407	Revision:	B
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- Order limits
 - Sheet index outline
 - Project sections
 - Proposed project design details**
 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Environmental mitigation
 - Other temporary and permanent construction and operational works
 - Discipline specific constraints**
 - 2 km Study Area
 - Local wildlife sites
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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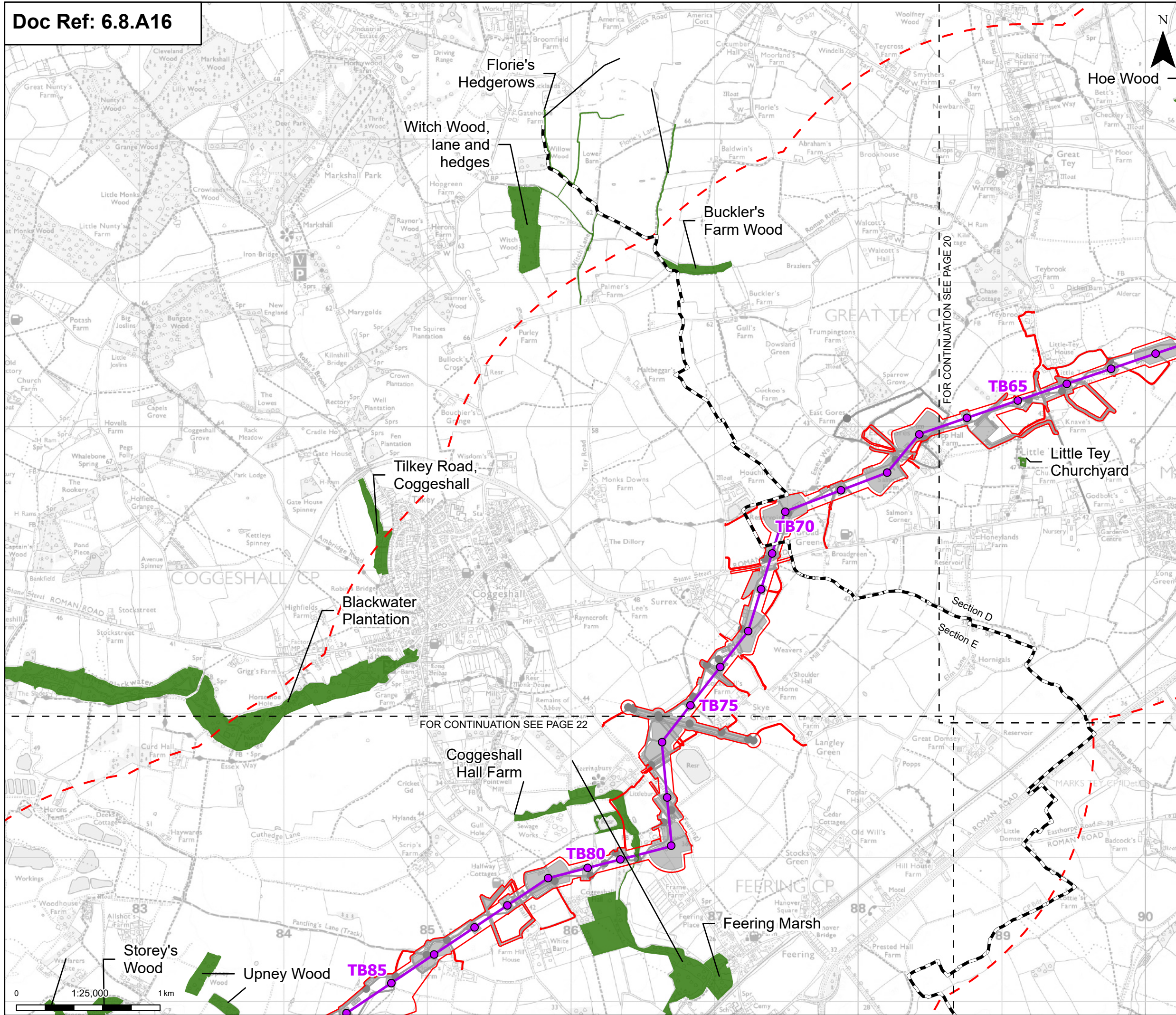
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Regulation 5(2)(a)&(l)(i)

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Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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Designed	R. Booth	Date	May 26
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Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00407	Revision: B
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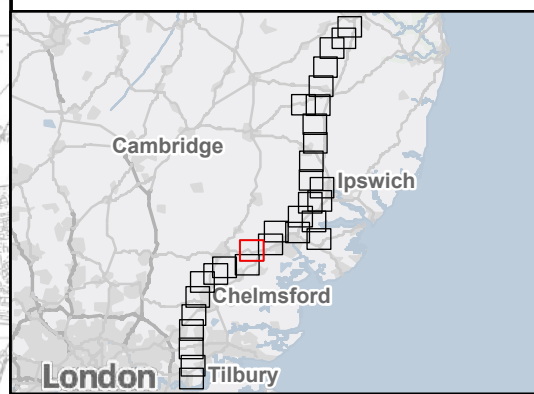
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 Sheet index outline
 Project sections

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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
 Local wildlife sites

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

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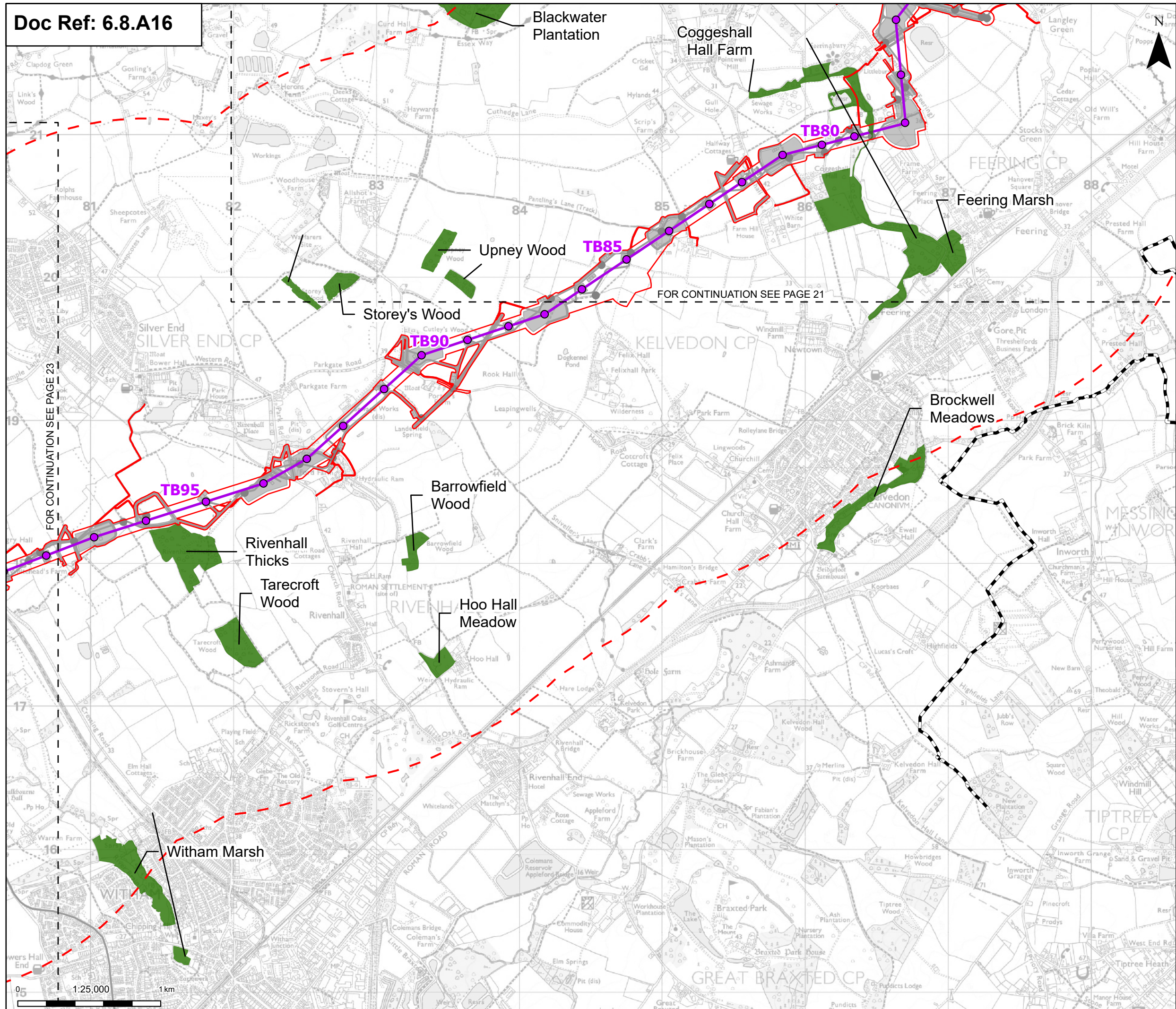
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 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
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Approved	K. Burrows	Date	May 26
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 Revision:
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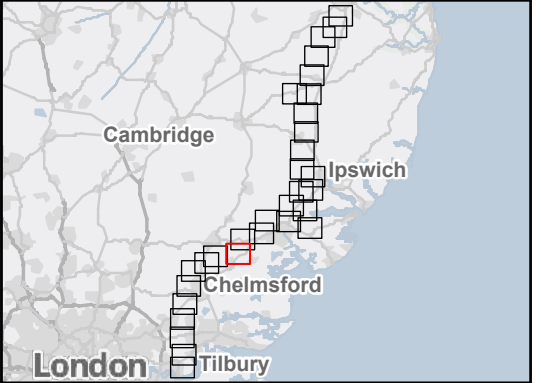
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 Proposed standard lattice pylon location
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 Environmental mitigation
 Other temporary and permanent construction and operational works

Discipline specific constraints
 2 km Study Area
 Local wildlife sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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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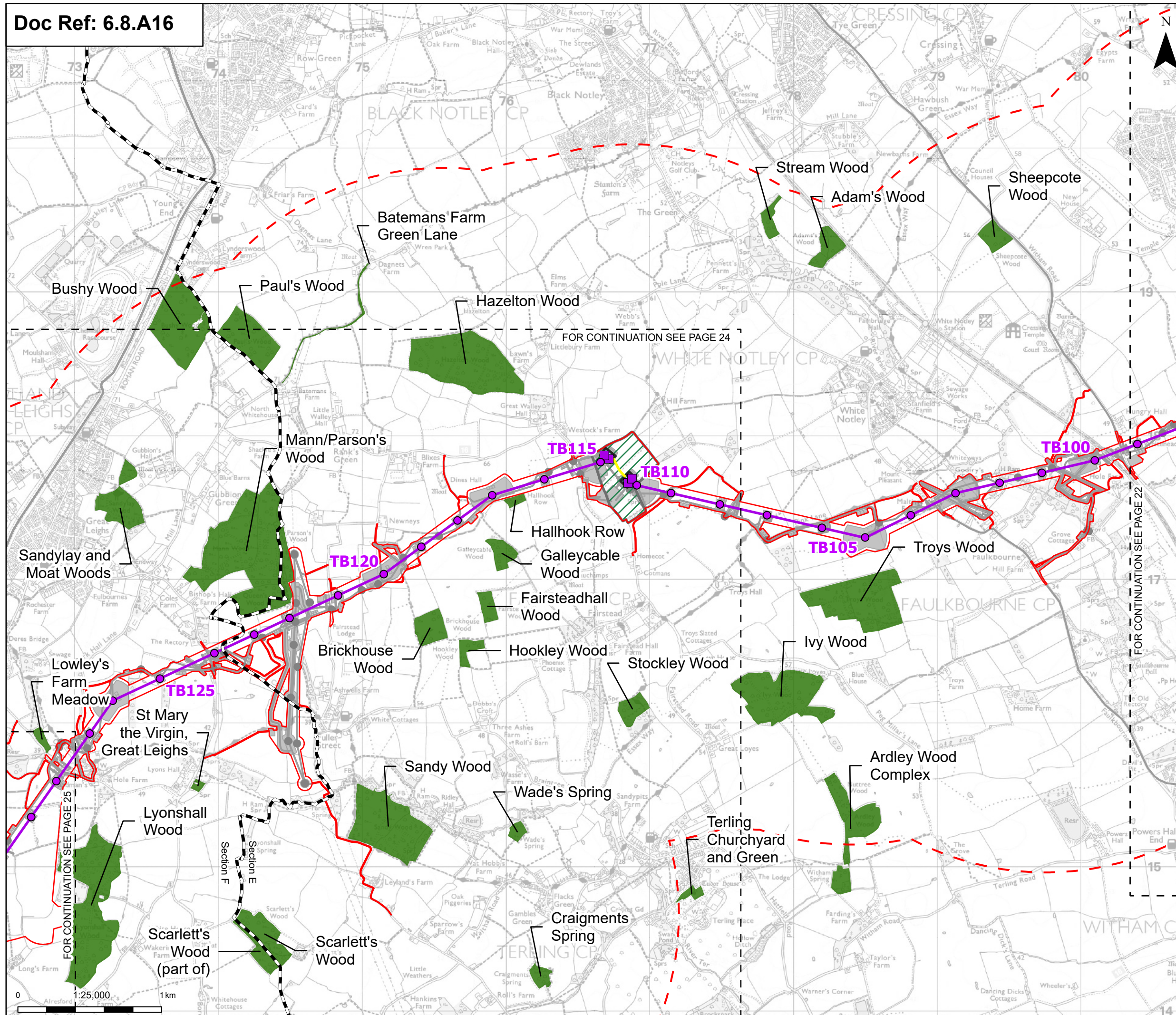
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Drawing Number:
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 B



Order limits
 - Sheet index outline
 - Project sections

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
 - Local wildlife sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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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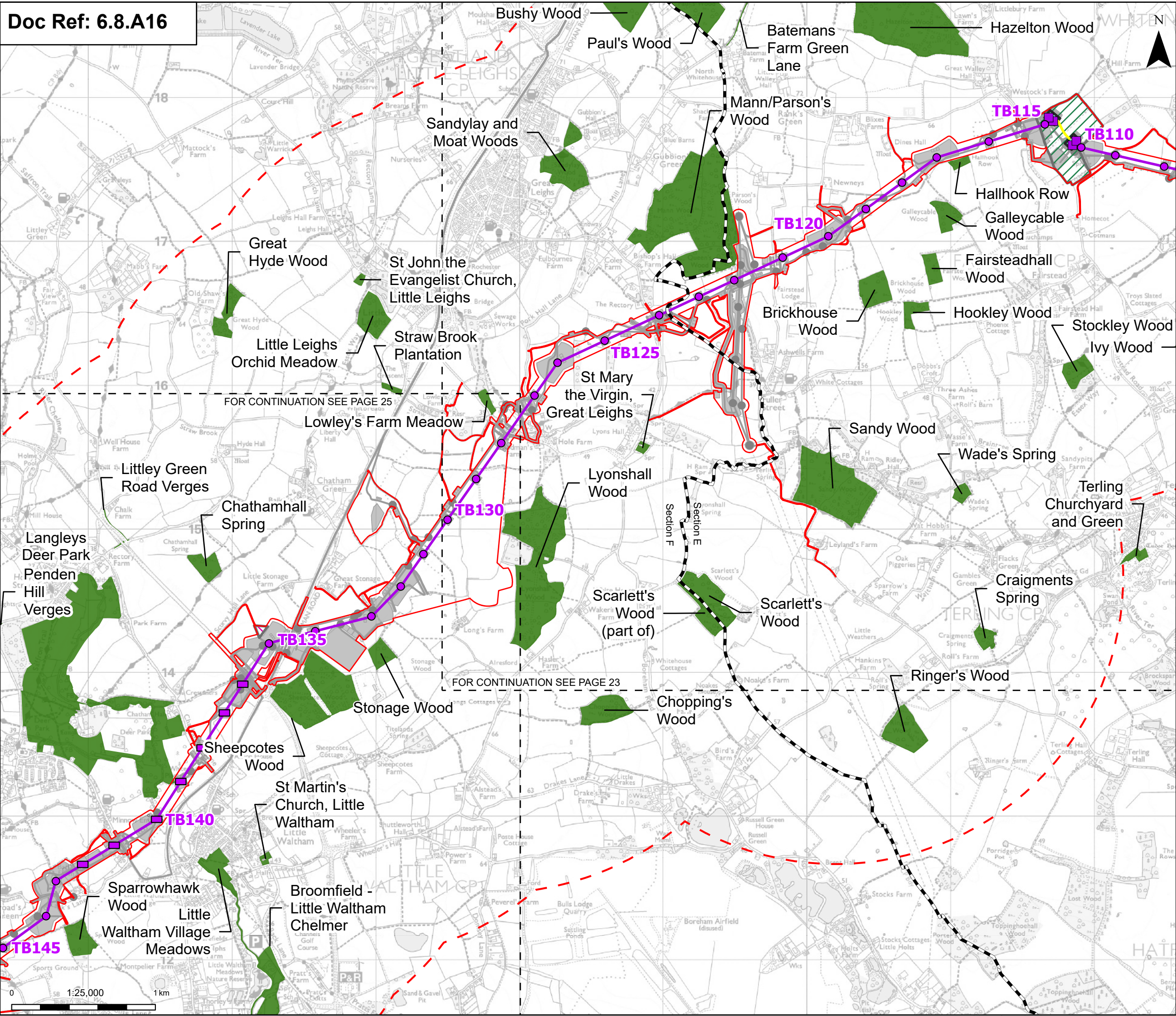
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Drawing Number:
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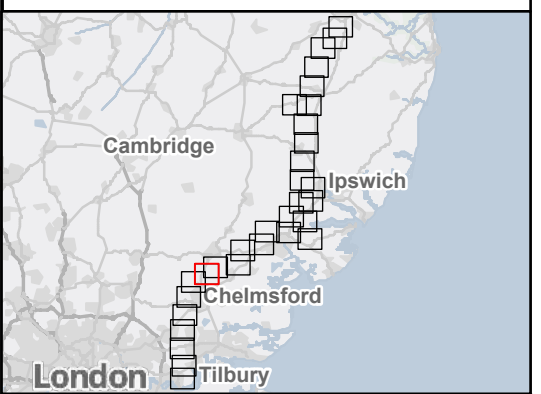
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 Proposed standard lattice pylon location
 Proposed overhead line alignment
 Proposed underground cable alignment
 Proposed cable sealing end compound (CSEC)
 Environmental area
 Environmental mitigation
 Other temporary and permanent construction and operational works

Discipline specific constraints
 2 km Study Area
 Local wildlife sites

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

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Planning Inspectorate App Number: EN020027
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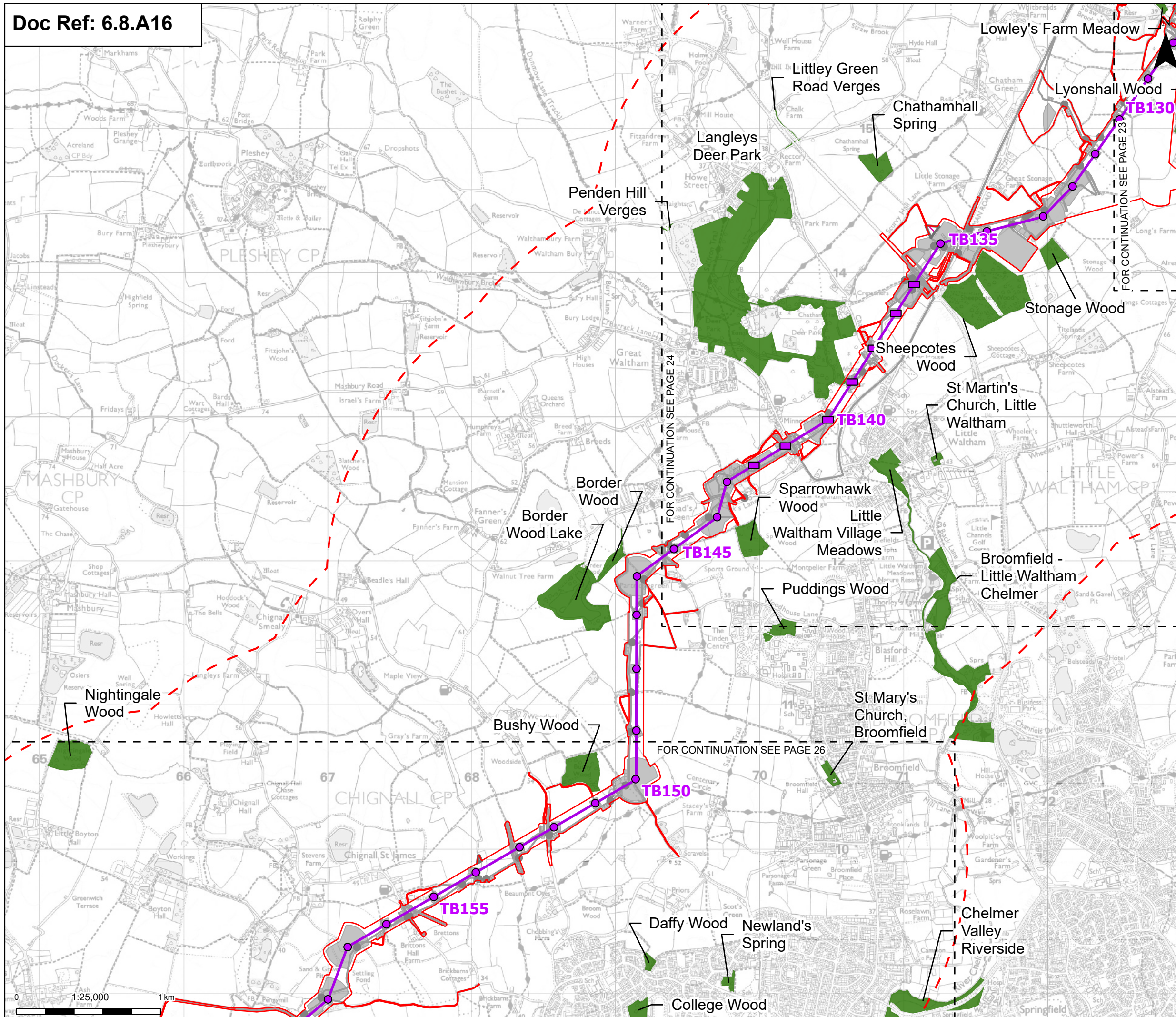
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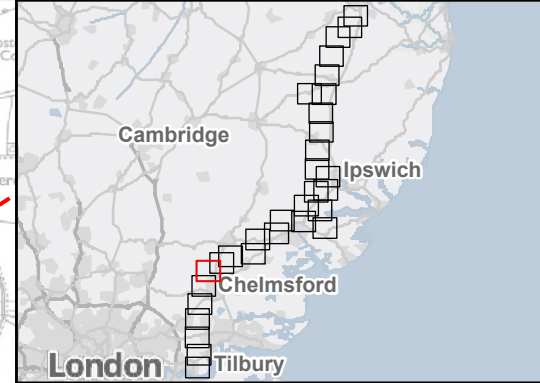
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Revision:
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- Order limits
 - Sheet index outline
 - Proposed project design details**
 - Proposed low height pylon location
 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Environmental mitigation
 - Other temporary and permanent construction and operational works
 - Discipline specific constraints**
 - 2 km Study Area
 - Local wildlife sites
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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

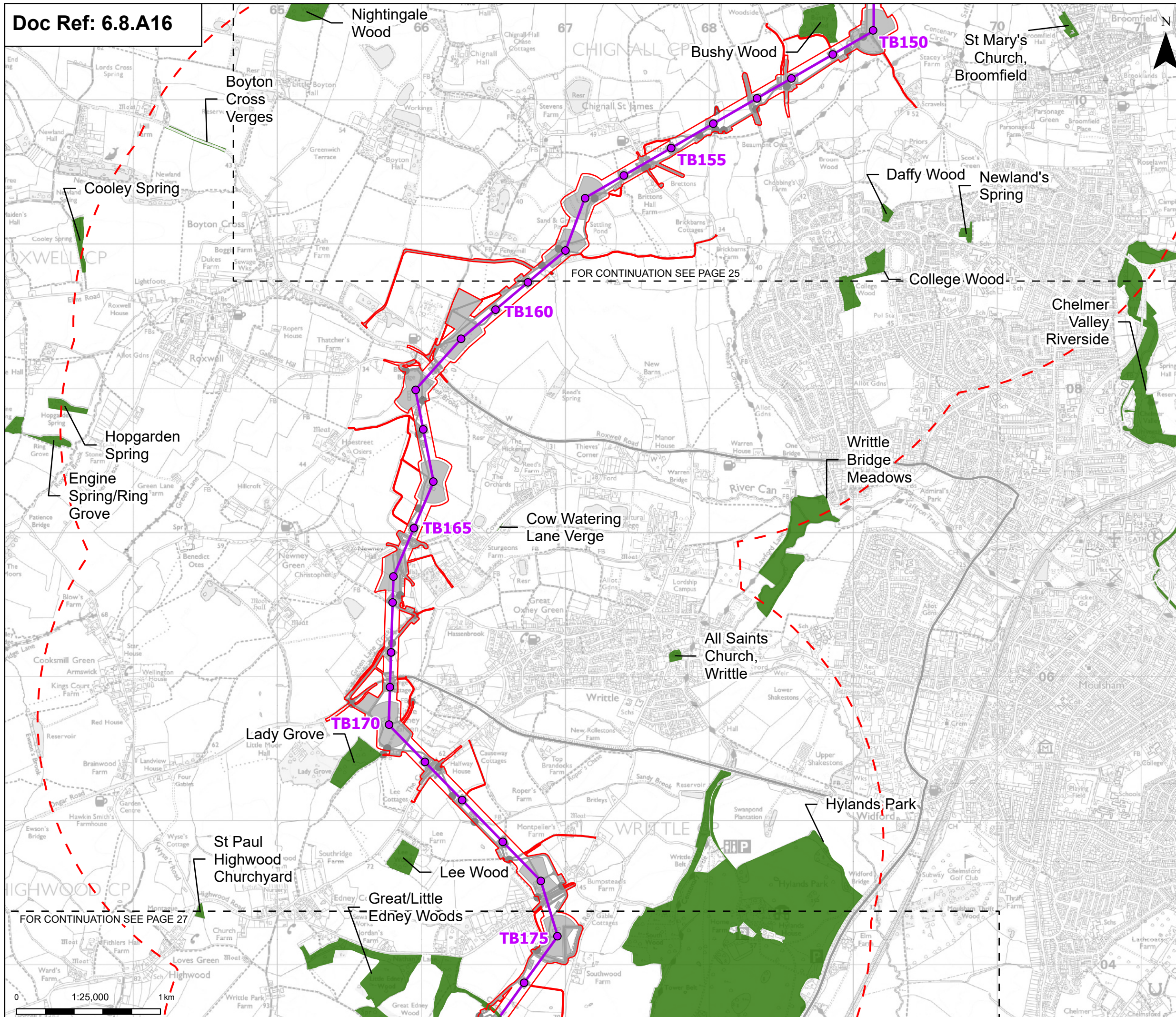
Planning Inspectorate App Number: EN020027
 Regulation 5(2)(a)&(1)(i)

Title:
 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 25 of 31

Designed	R. Booth	Date	May 26
Drawn	N. Banu	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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-00407	Revision: B
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Order limits
 [Red dashed line symbol] Order limits
 [Black dashed line symbol] Sheet index outline

Proposed project design details
 [Purple dot symbol] Proposed standard lattice pylon location
 [Purple line symbol] Proposed overhead line alignment
 [Green hatched area symbol] Environmental mitigation
 [Grey hatched area symbol] Other temporary and permanent construction and operational works

Discipline specific constraints
 [Red dashed line symbol] 2 km Study Area
 [Green area symbol] Local wildlife sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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	KF	AF	KB

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 nationalgrid Norwich to Tilbury

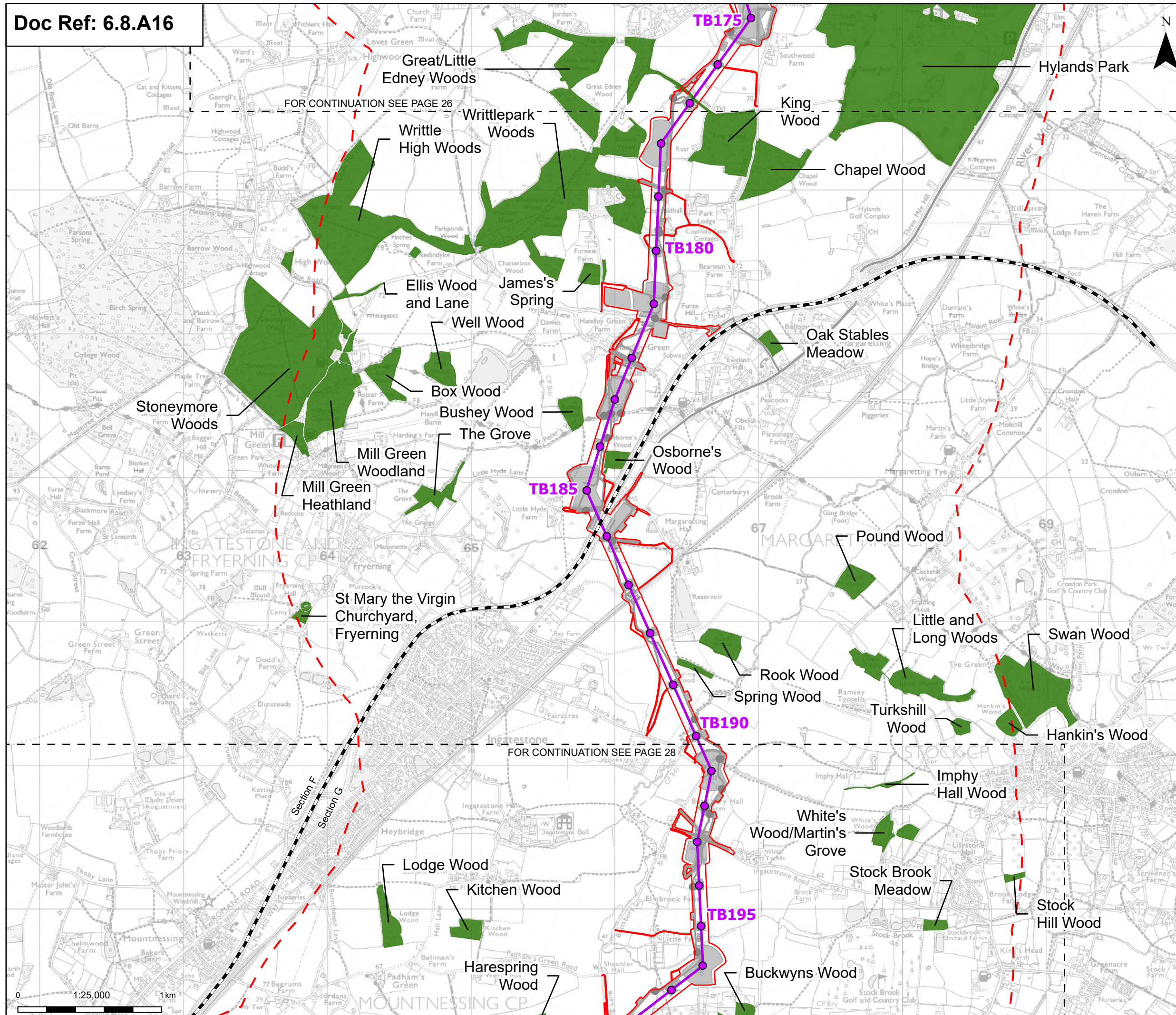
Planning Inspectorate App Number: EN020027
 Regulation 5(2)(a)&(1)(i)

Title:
 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 26 of 31

Designed	R. Booth	Date	May 26
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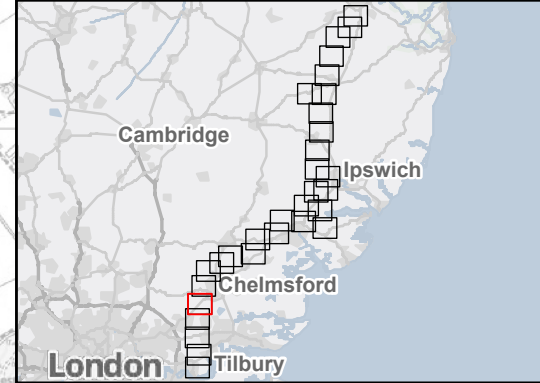
Order limits
 - Sheet index outline
 - Project sections

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
 - Local wildlife sites

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

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Planning Inspectorate App Number: EN020027
 Regulation 5(2)(a)&(1)(i)

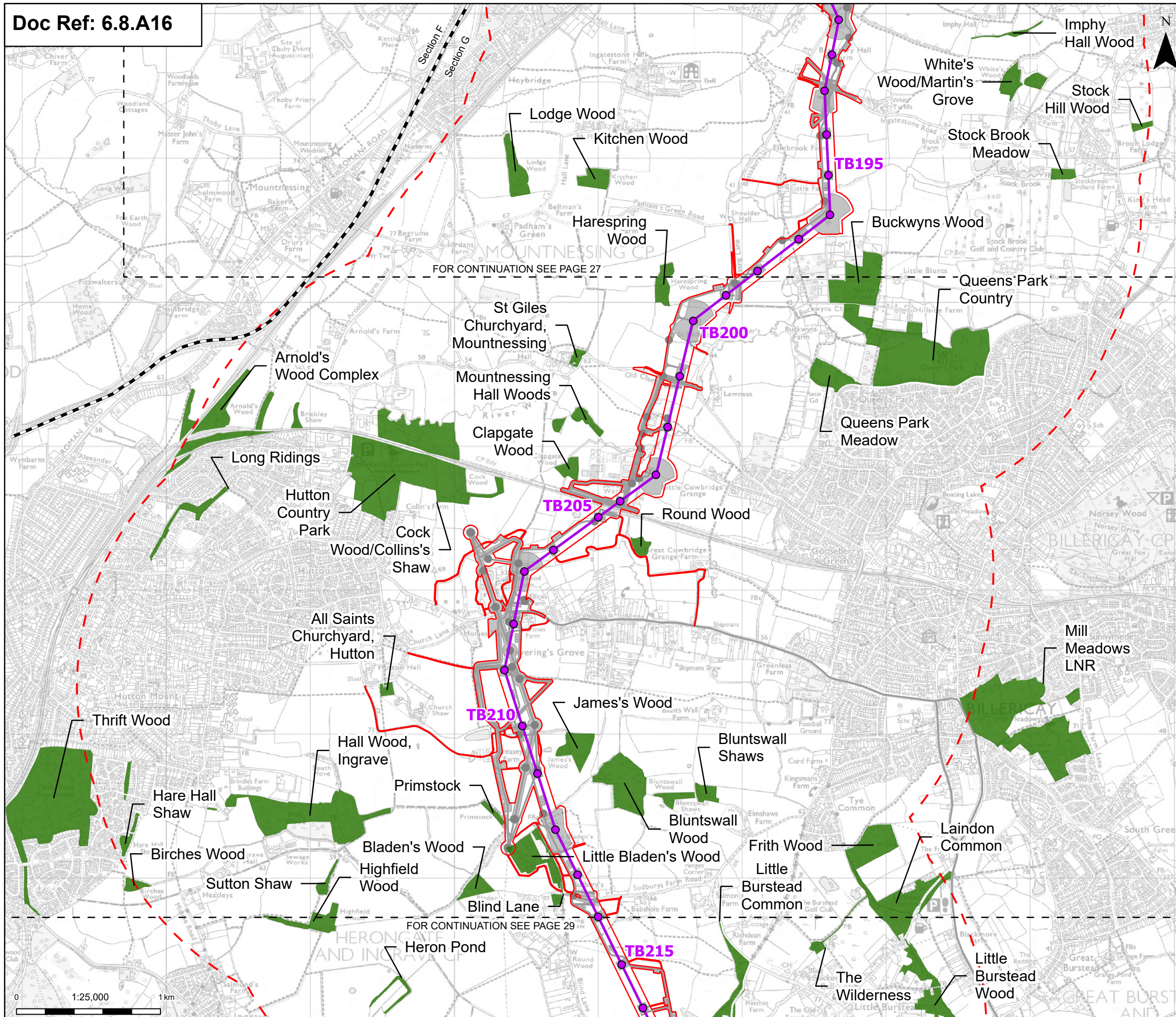
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 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 27 of 31

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Drawing Number:
 10059280-ARC-EBD-ZZ-DR-ZZ-00407

Revision:
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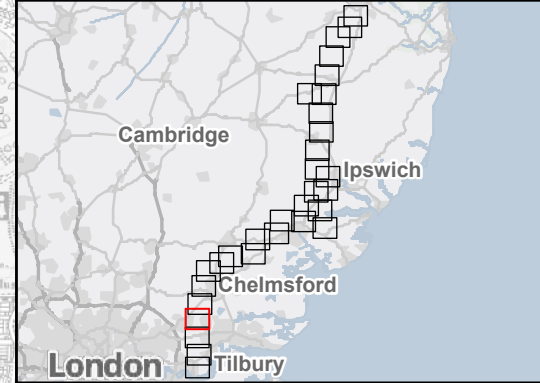
Order limits
 Sheet index outline
 Project sections

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
 Local wildlife sites

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

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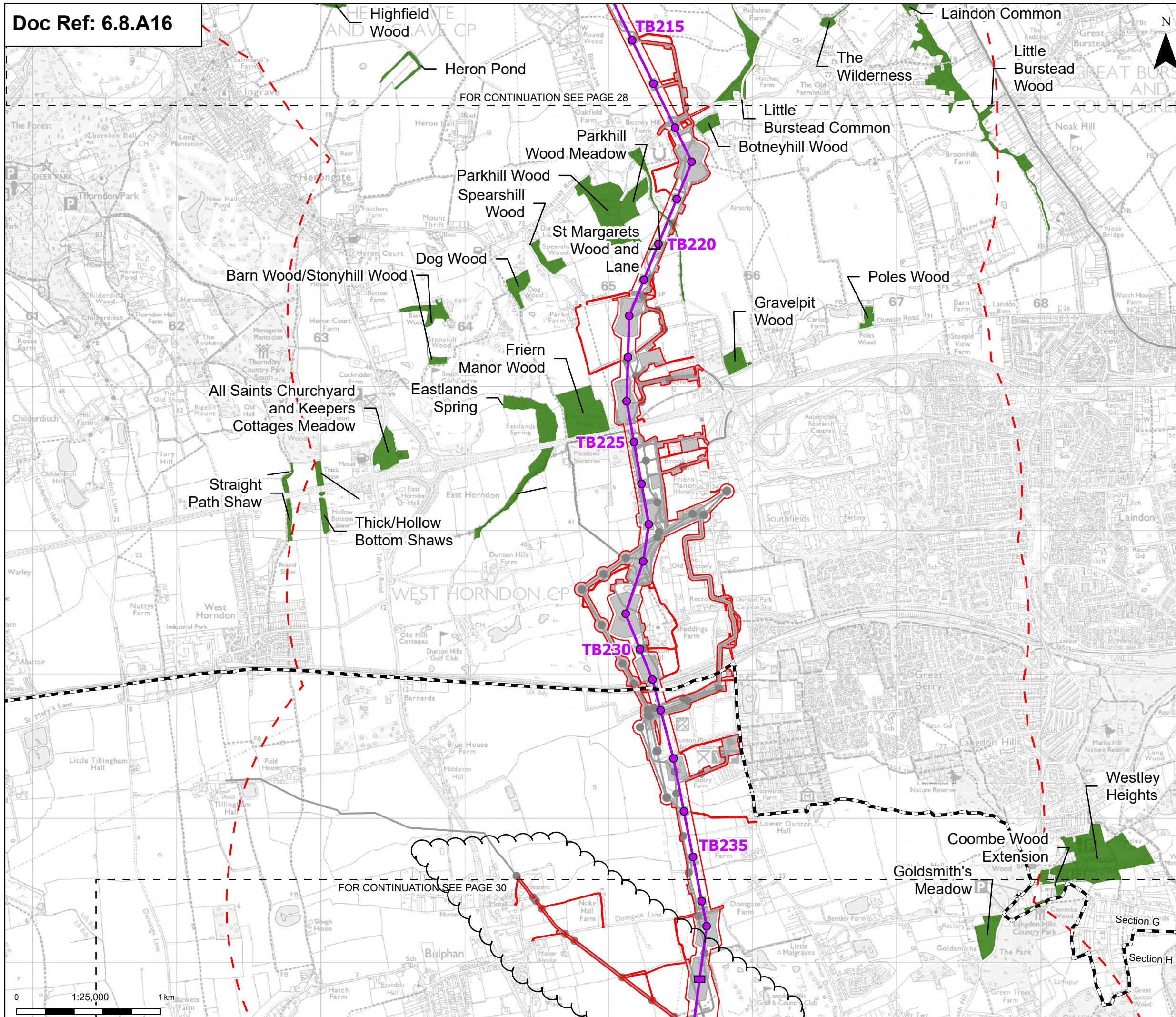
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 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 28 of 31

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Suitability Code:	A2	Project Number:	10059280

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Order limits
 Sheet index outline
 Project sections

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
 Local wildlife sites

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

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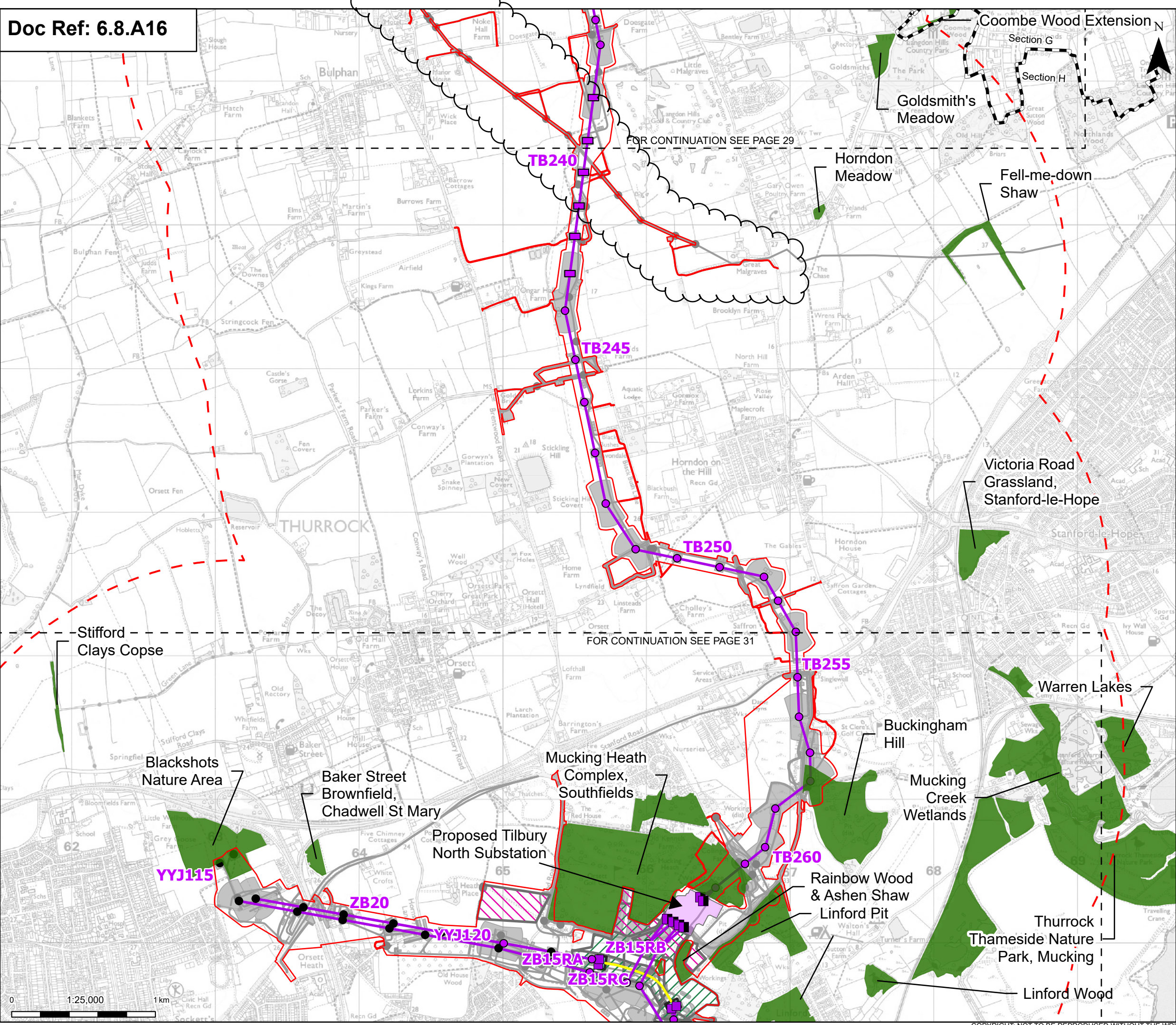
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 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 29 of 31

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Revision:
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Order limits
 Sheet index outline
 Project sections

Proposed project design details

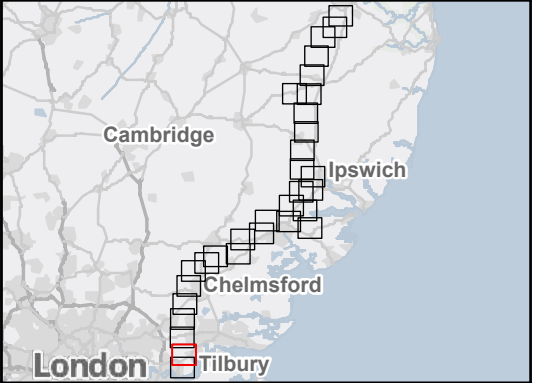
- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed low height pylon location
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)

Discipline specific constraints

- 2 km Study Area
- Local wildlife sites

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

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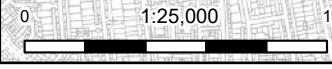
Title:
 Figure A8.16.3 Ecology and Biodiversity – Non-Statutory Designated Sites for Biodiversity
 Page 30 of 31

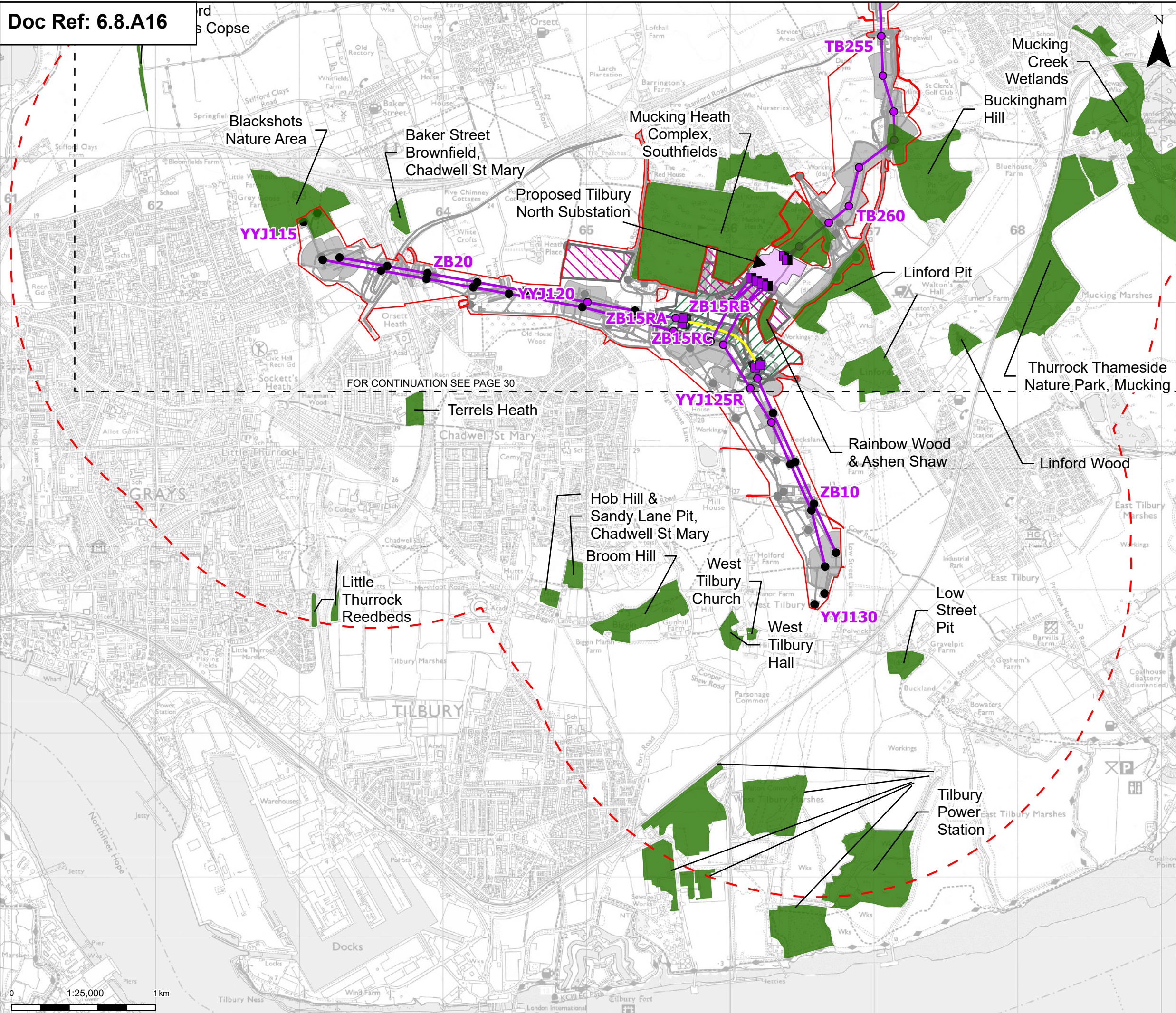
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Order limits
 Sheet index outline

Proposed project design details

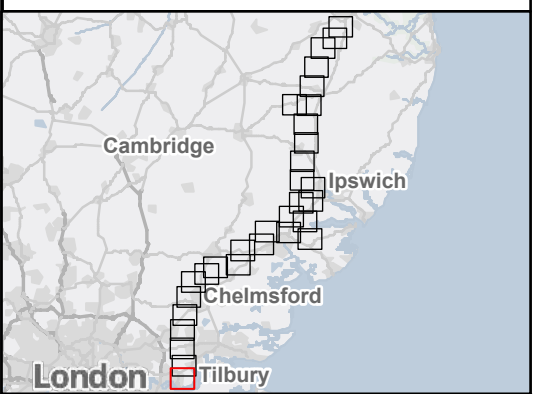
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- Proposed low duty gantry
- Existing pylon (modify)
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- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Local wildlife sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For 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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Warwick Technology Park,
Gallows Hill, Warwick.
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