

Norwich to Tilbury

Volume 6: Environmental Statement

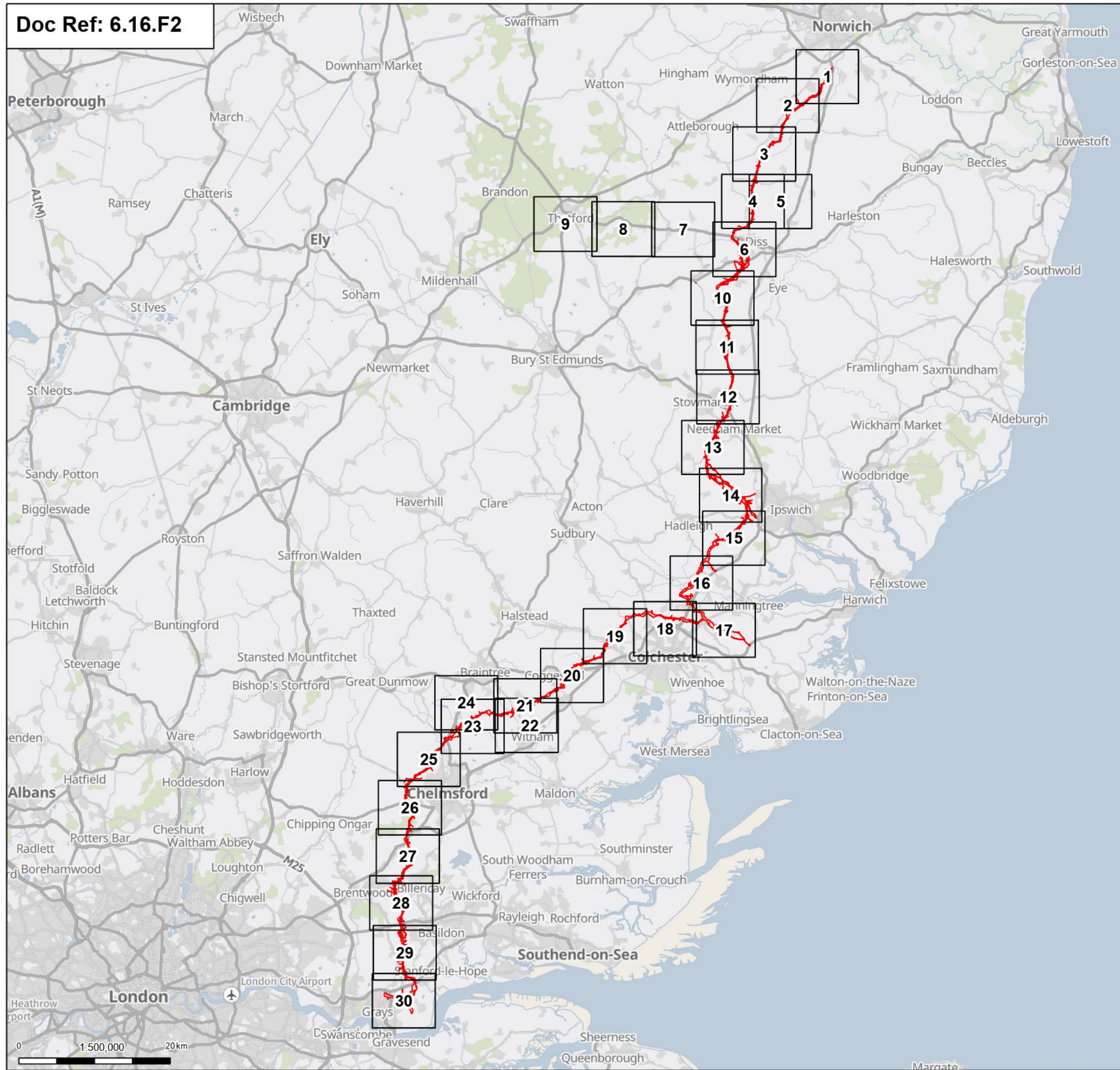
Document: 6.16.F2 Environmental Statement Figure 16.2 - Sensitive Receptors

Final Issue A

August 2025

Planning Inspectorate Reference: EN020027

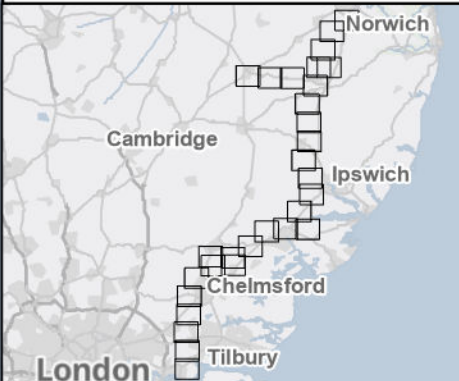
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(a)



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nationalgrid PROJECT: Norwich to Tilbury

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

Title:

Figure 16.2 - Traffic and Transport - Sensitive Receptors Overview

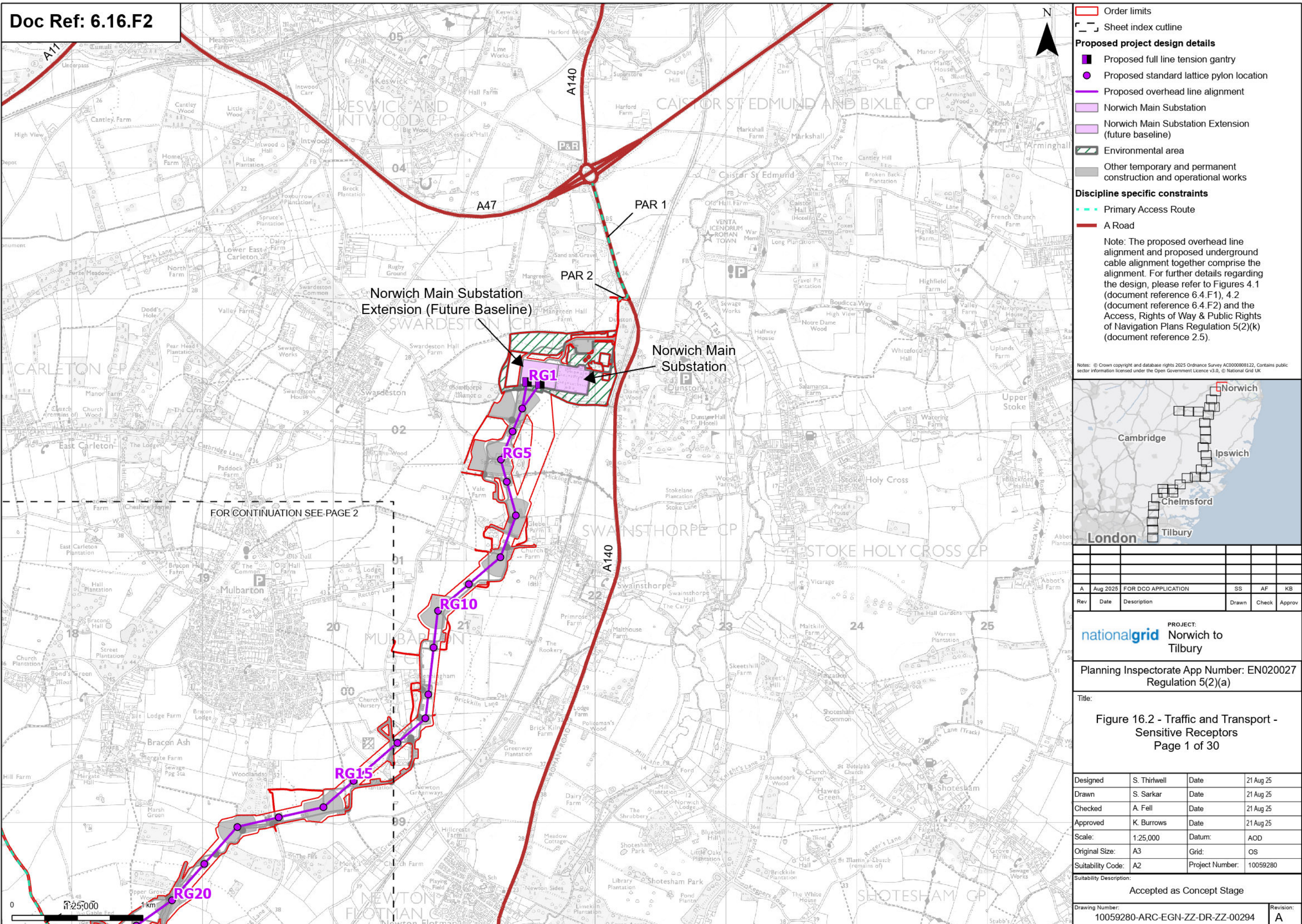
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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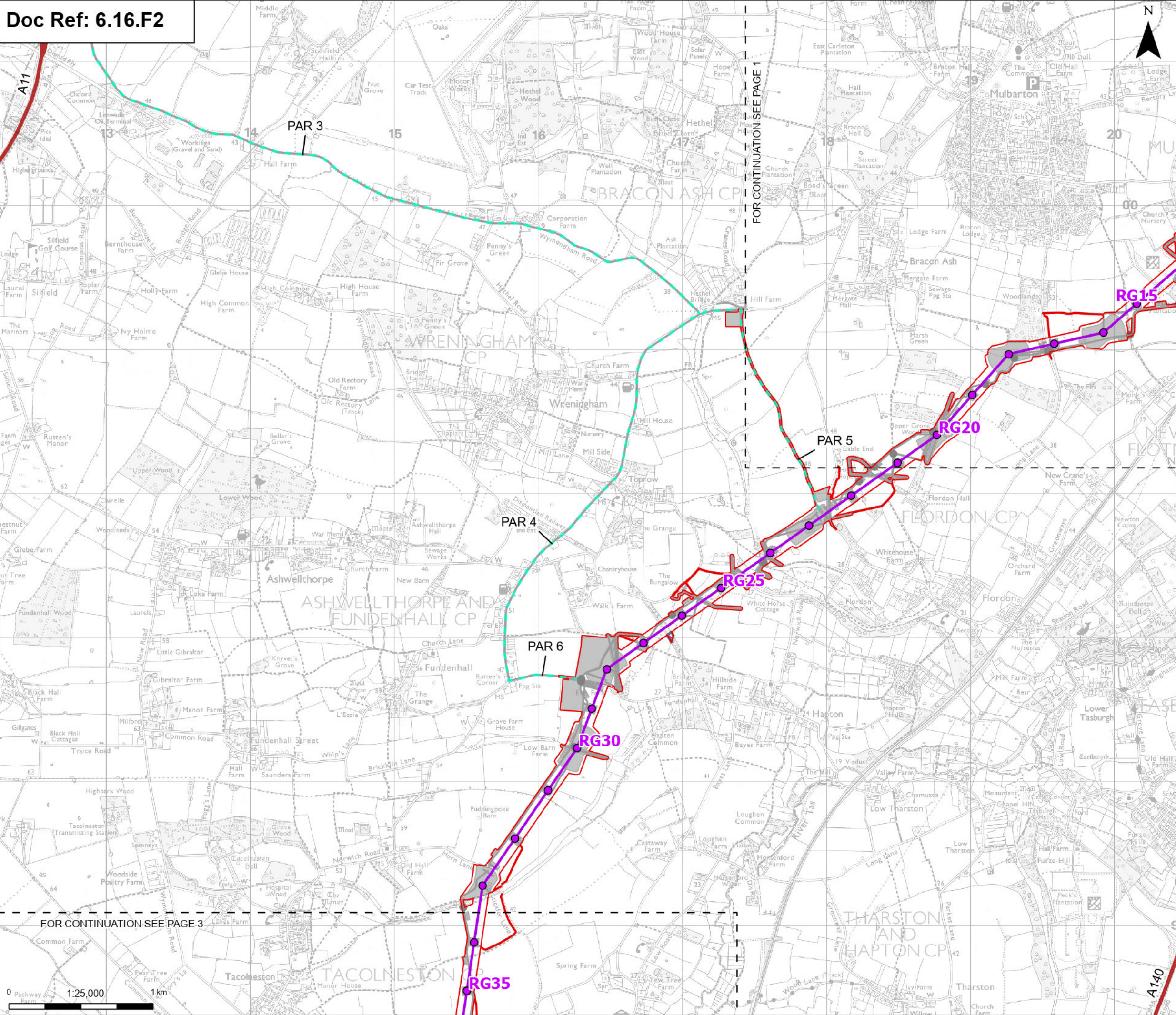
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10059280-ARC-EGN-ZZ-DR-ZZ-00294

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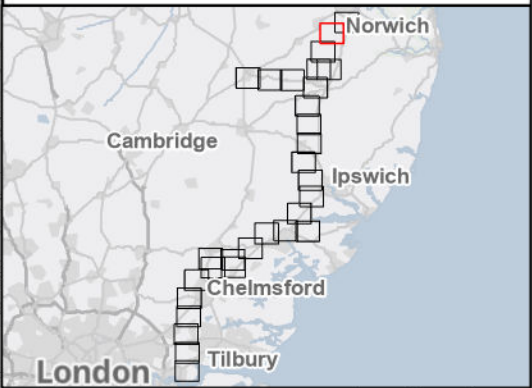
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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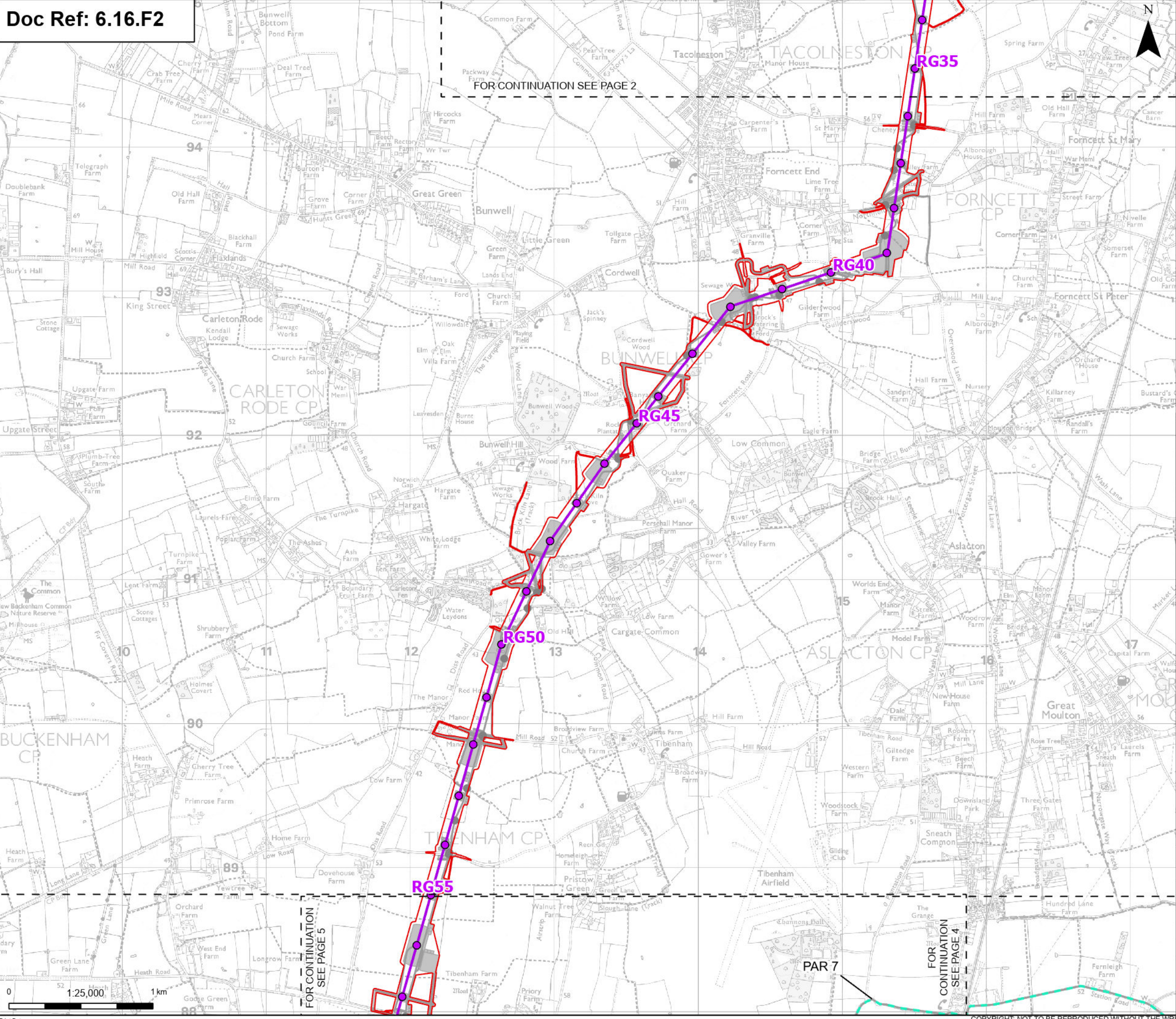
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Drawn	S. Sarkar	Date	21 Aug 25
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Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

Primary Access Route

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Figure 16.2 - Traffic and Transport - Sensitive Receptors

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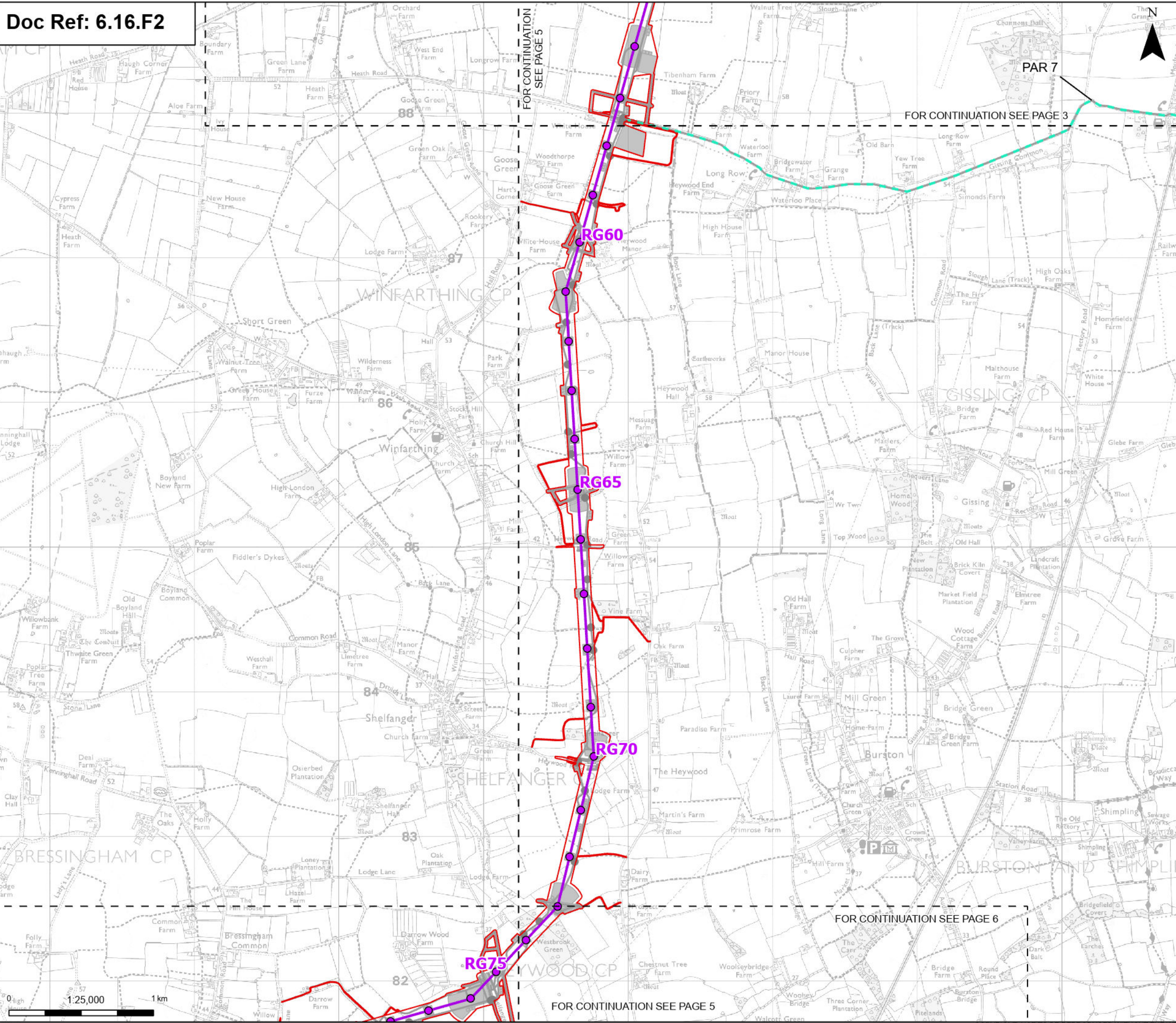
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

Primary Access Route

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Tilbury

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Figure 16.2 - Traffic and Transport - Sensitive Receptors

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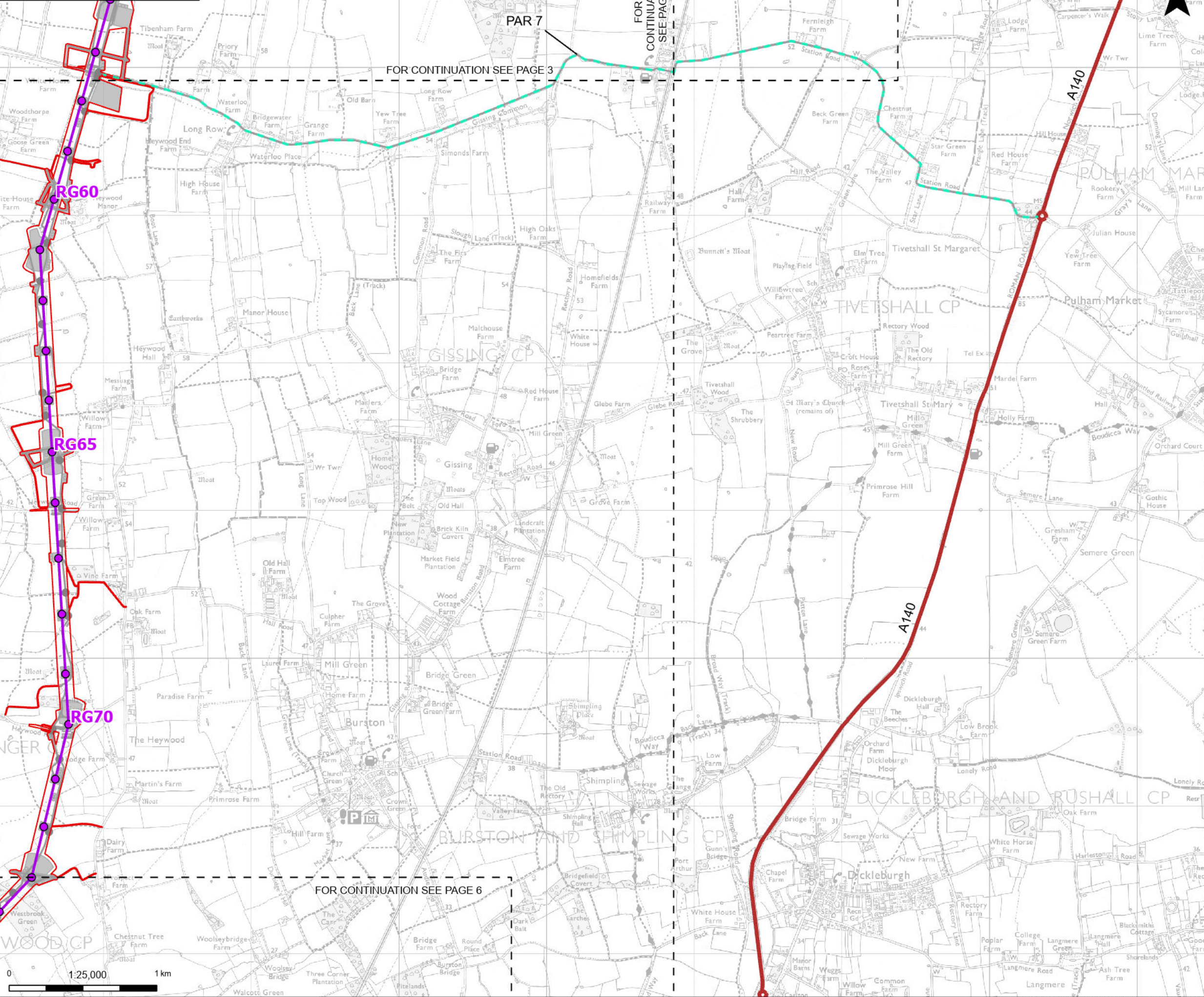
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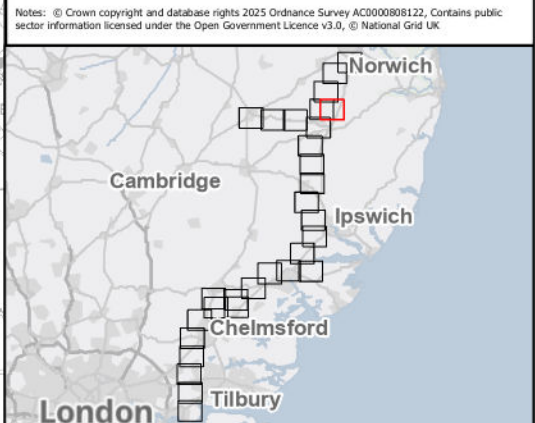
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Discipline specific constraints

- Primary Access Route
- A Road

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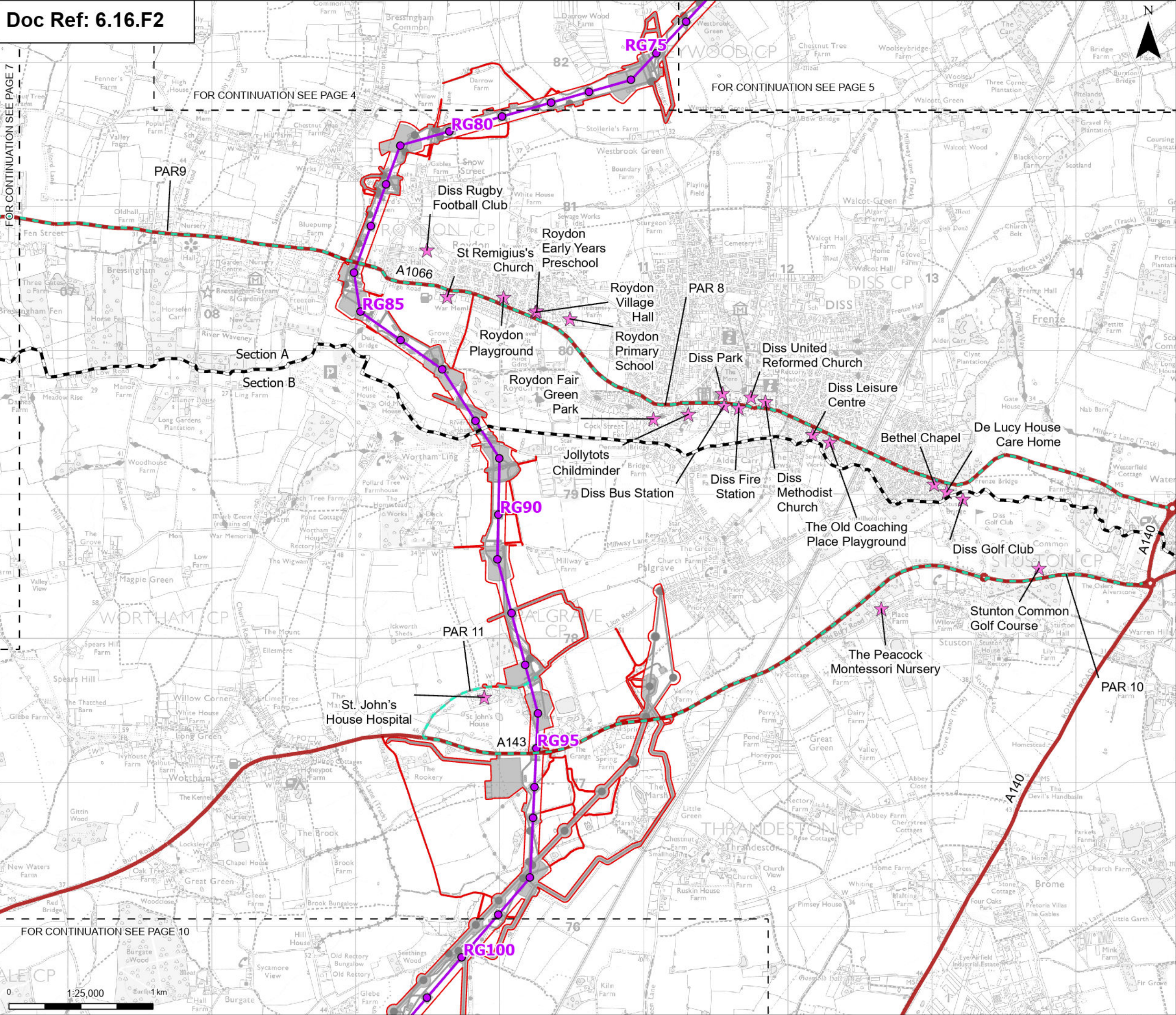
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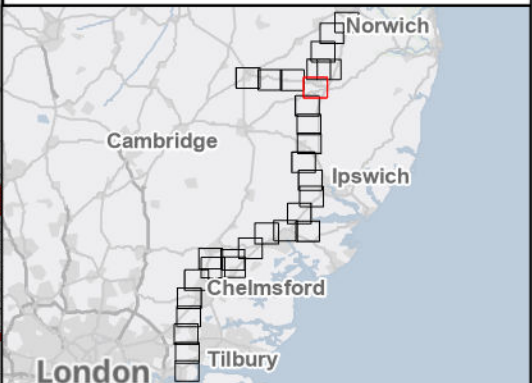
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- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

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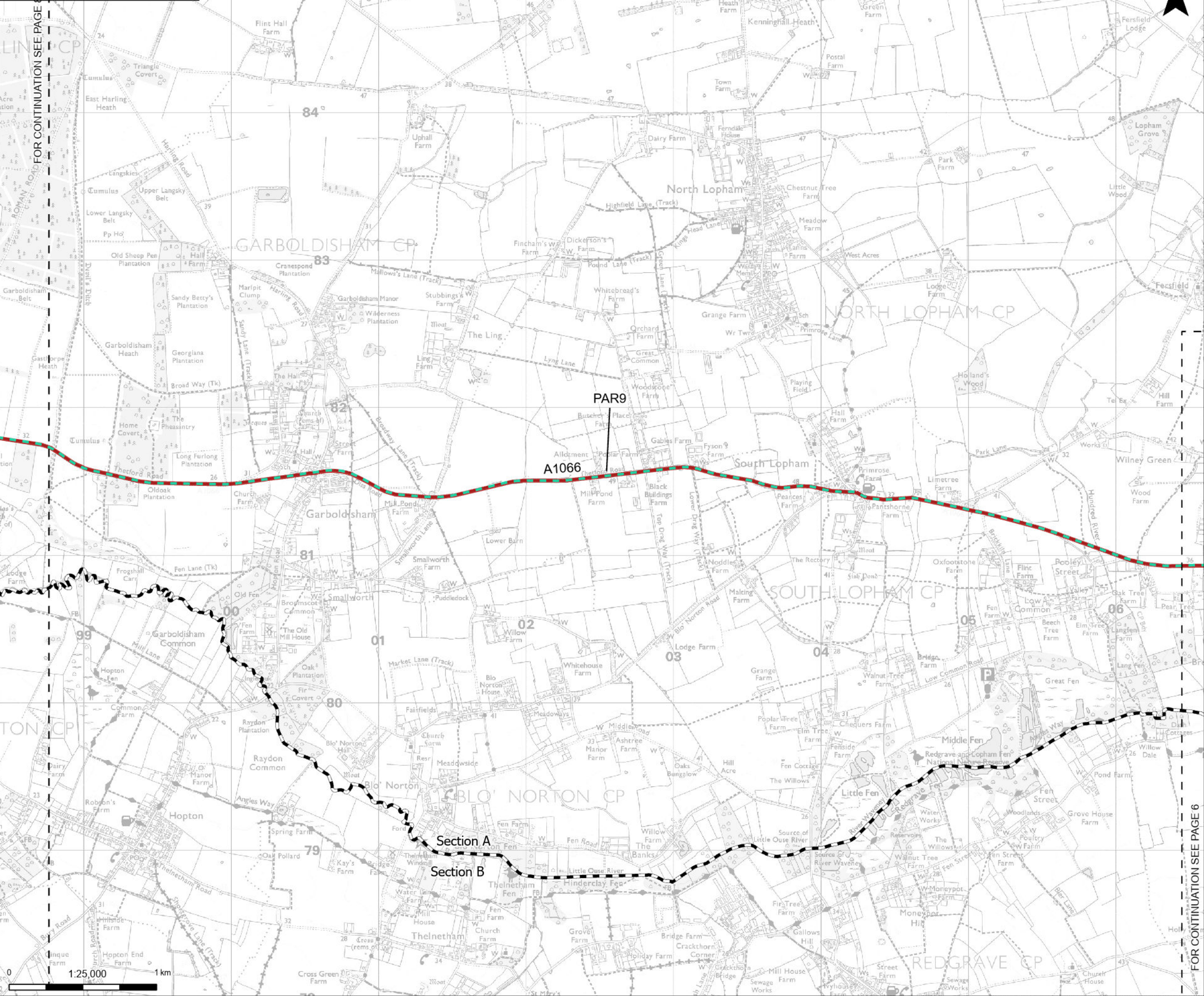
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Project section line

Discipline specific constraints

Primary Access Route

A Road

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Planning Inspectorate App Number: EN020027

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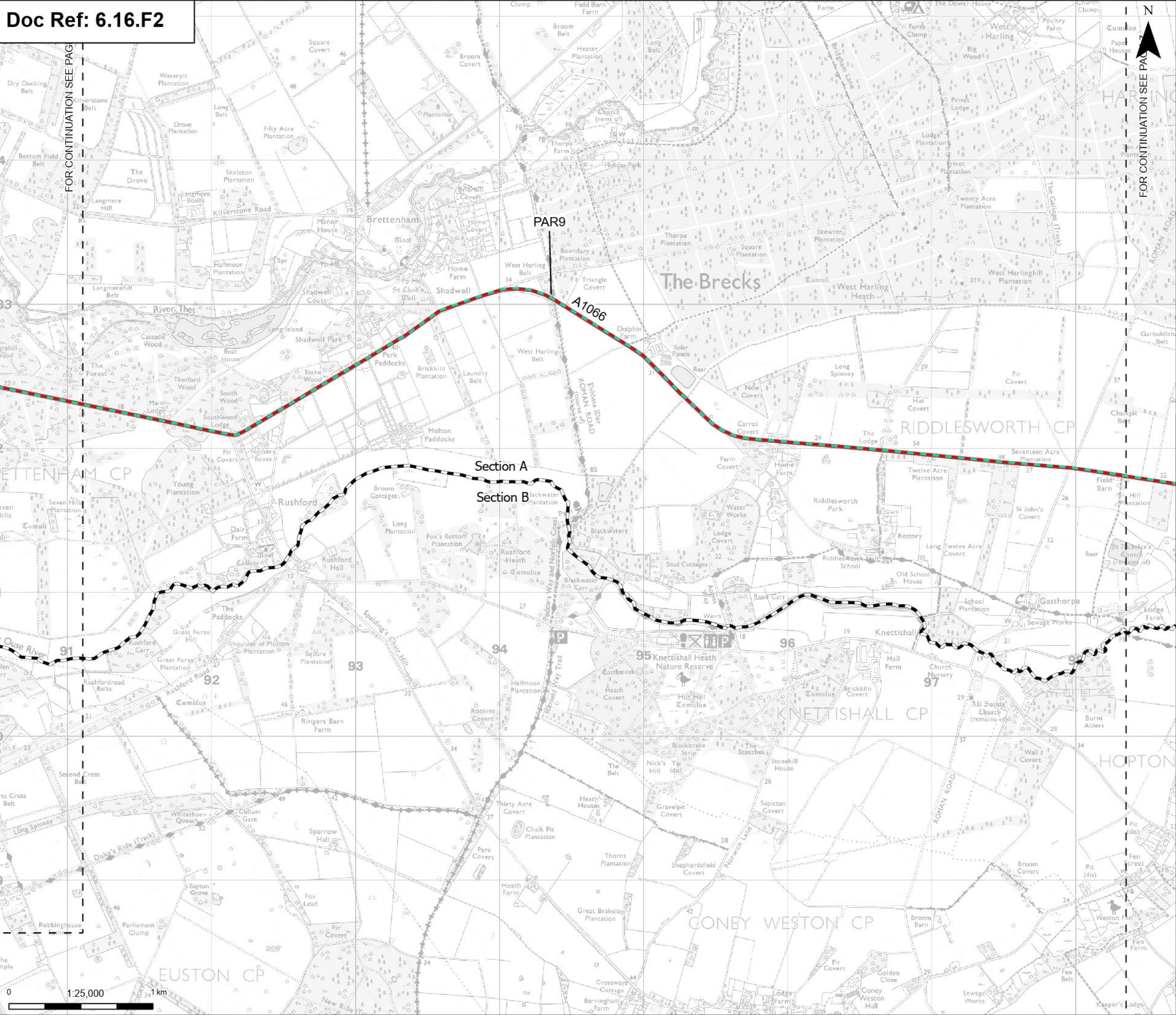
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Project section line

Discipline specific constraints

Primary Access Route

A Road

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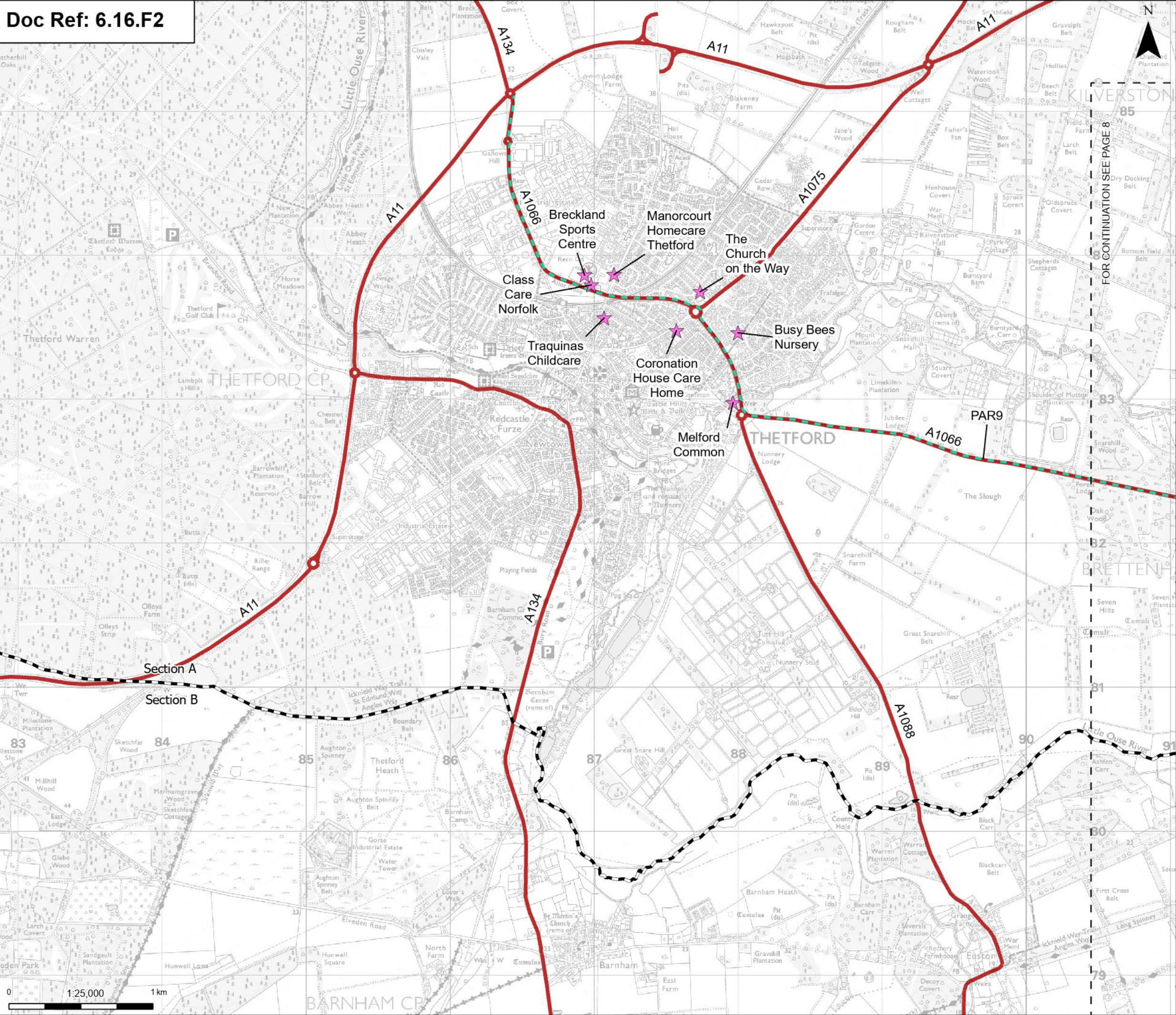
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Primary Access Route

A Road

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Norwich

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Ipswich

Chelmsford

Tilbury

London

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Norwich to Tilbury

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Figure 16.2 - Traffic and Transport - Sensitive Receptors

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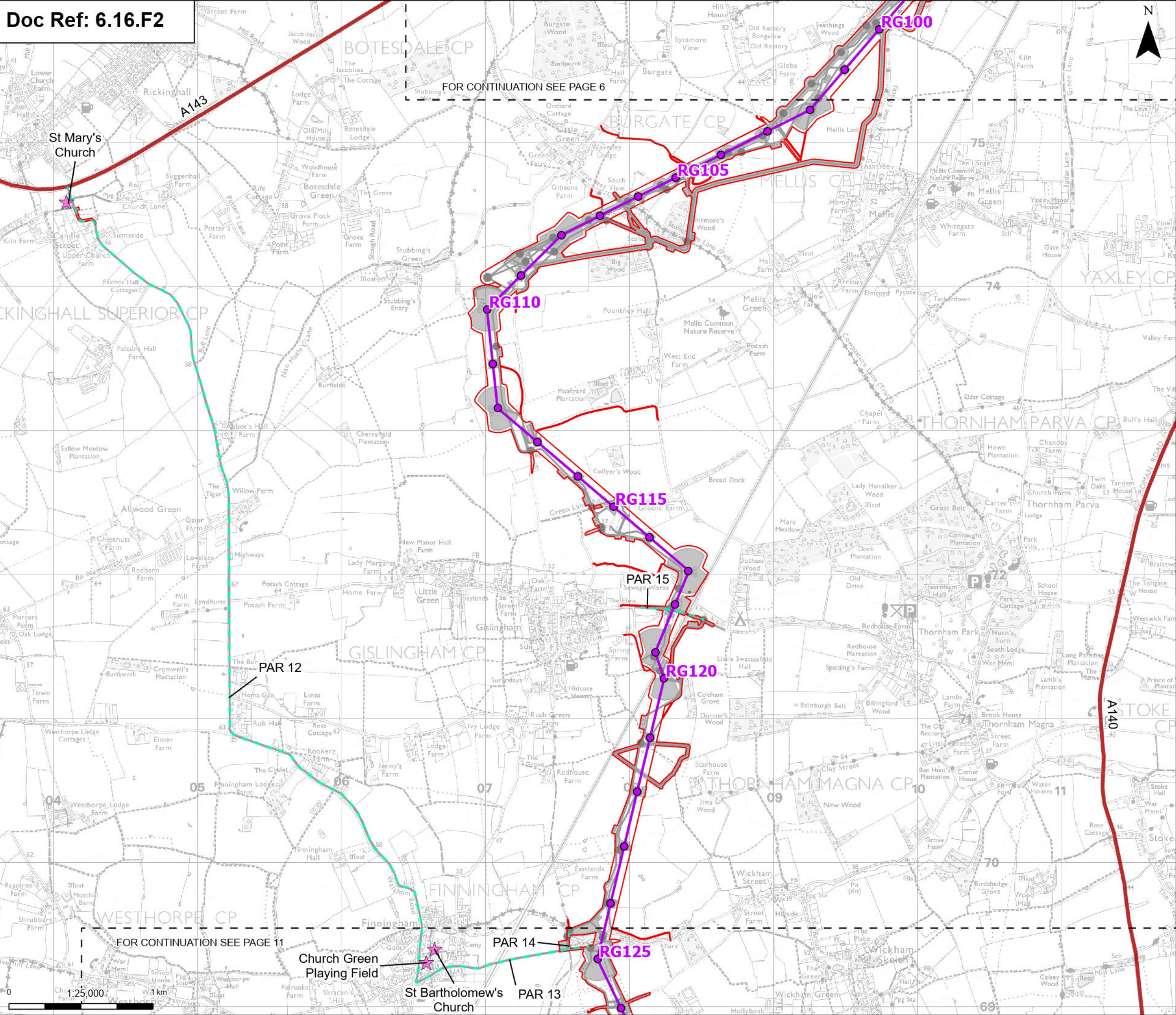
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Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

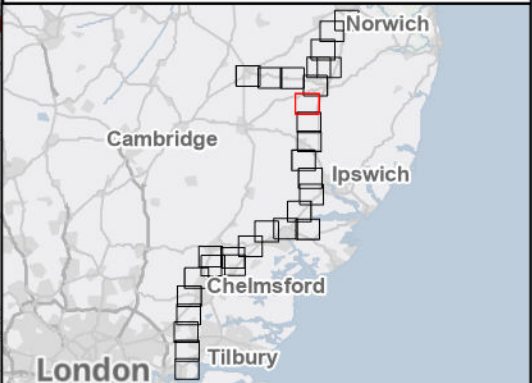
Sensitive receptors

Primary Access Route

A Road

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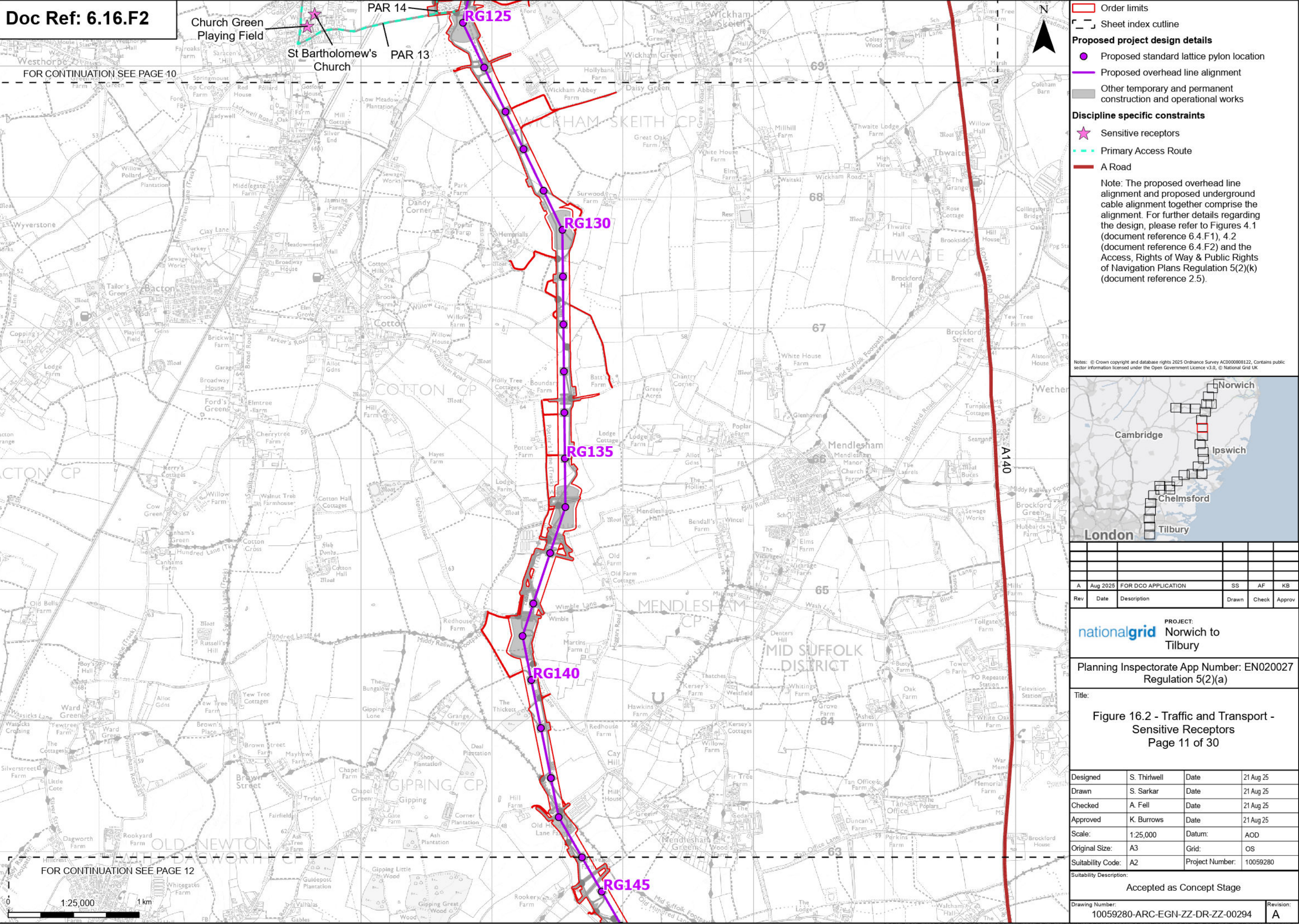
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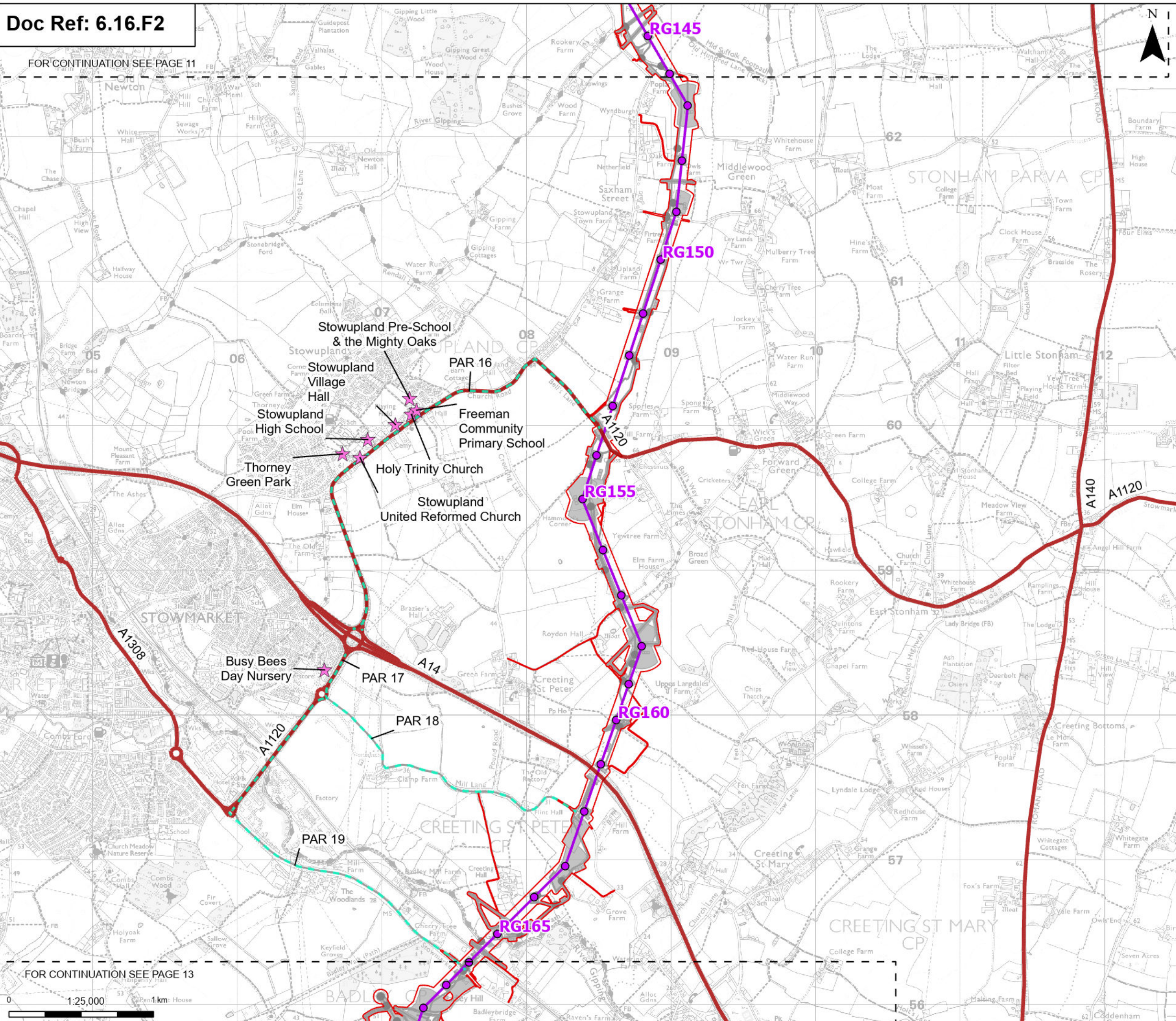
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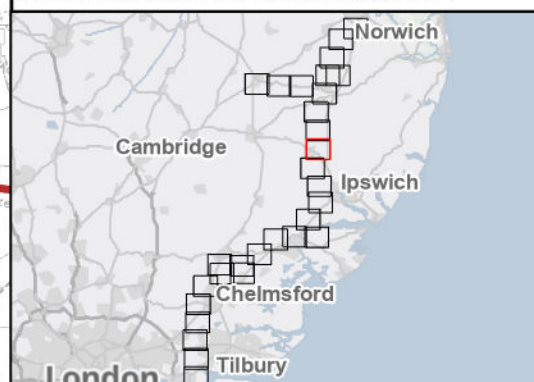
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 - Proposed overhead line alignment
 - Environmental mitigation
 - Other temporary and permanent construction and operational works
 - Discipline specific constraints**
 - Sensitive receptors
 - Primary Access Route
 - A Road
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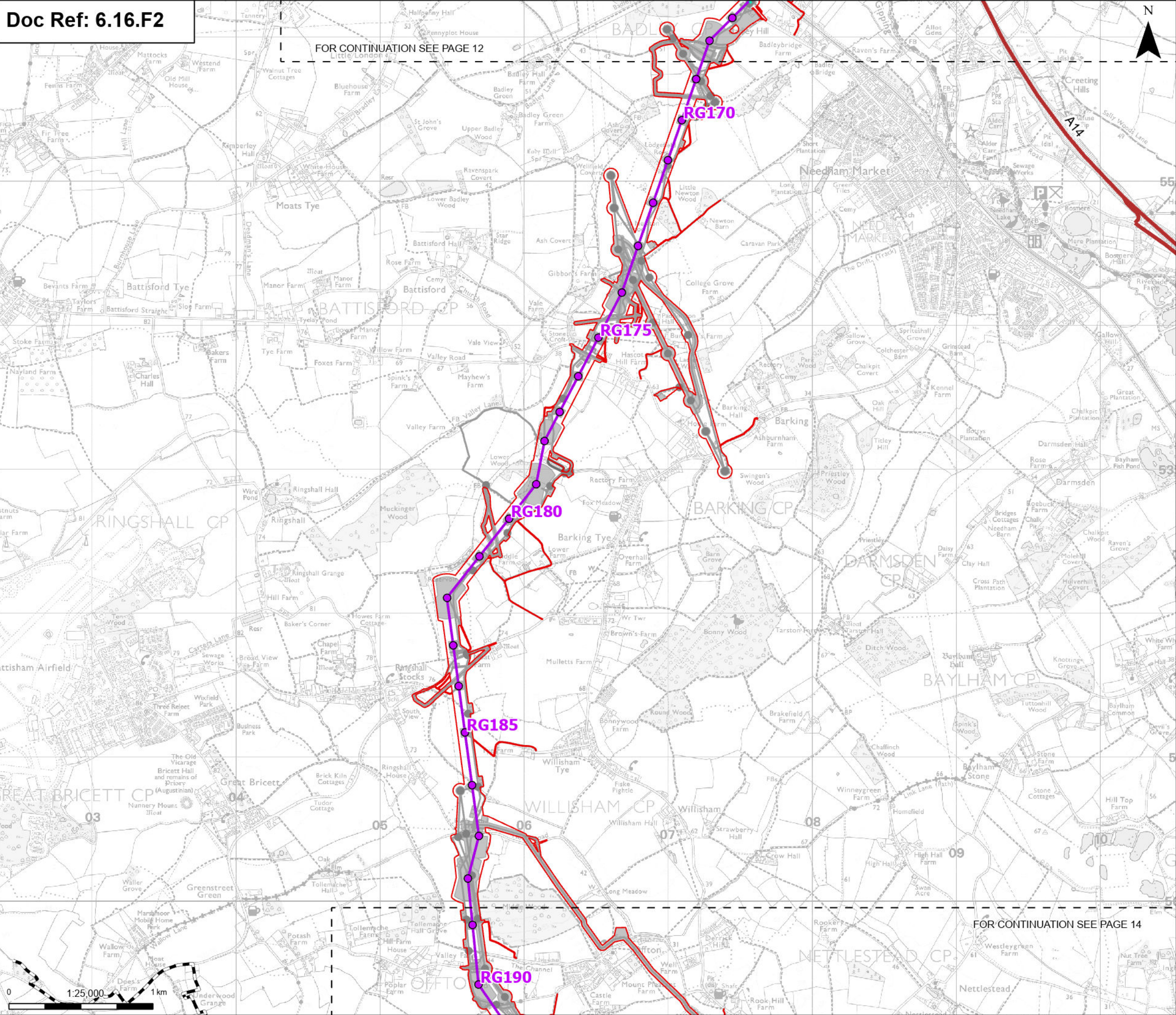
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Regulation 5(2)(a)

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Figure 16.2 - Traffic and Transport - Sensitive Receptors
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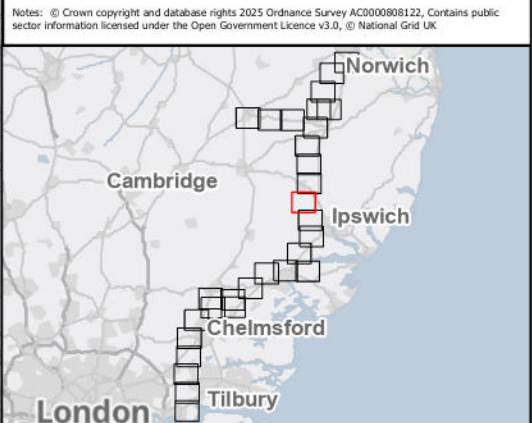
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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Primary Access Route
- A Road

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

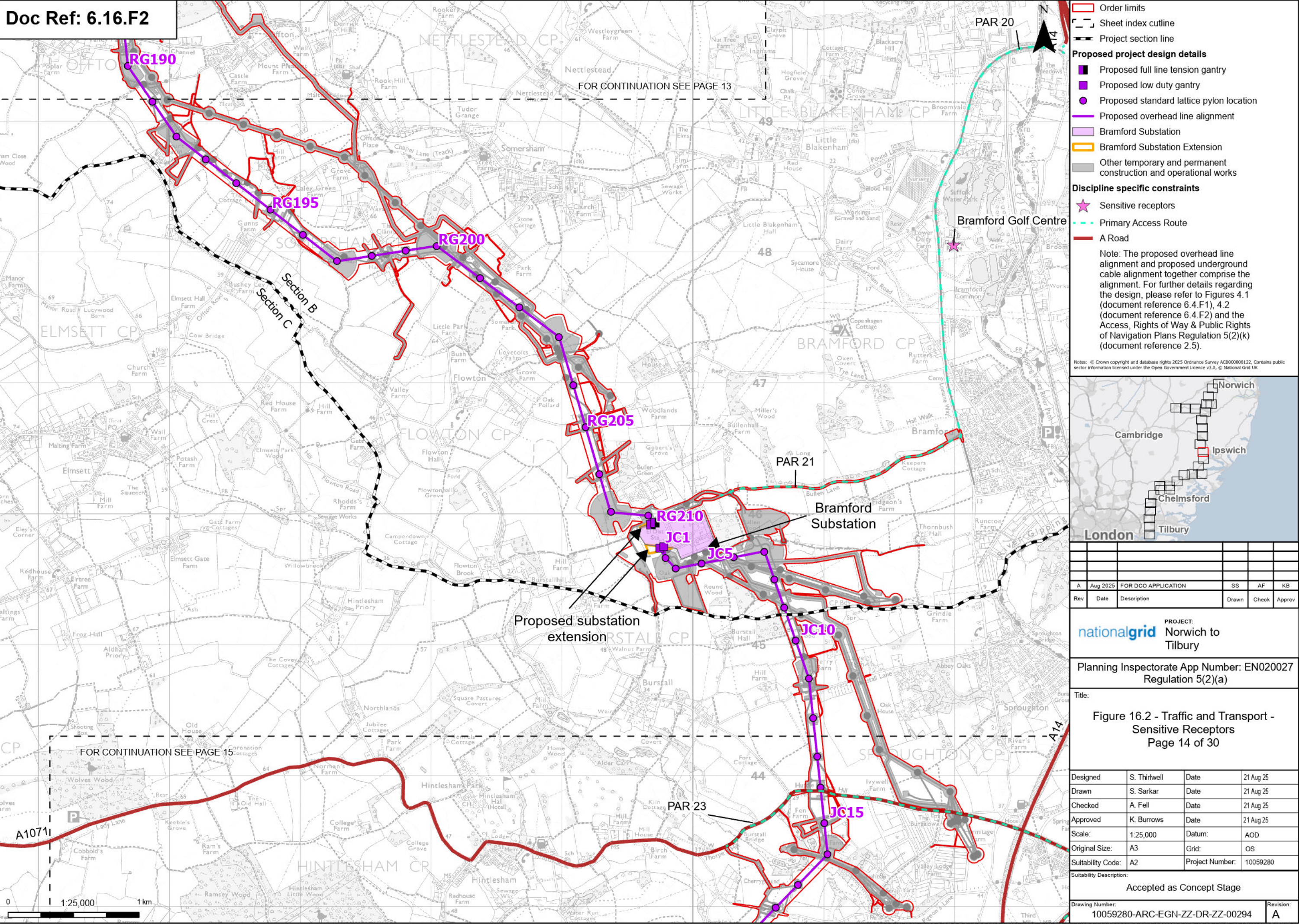
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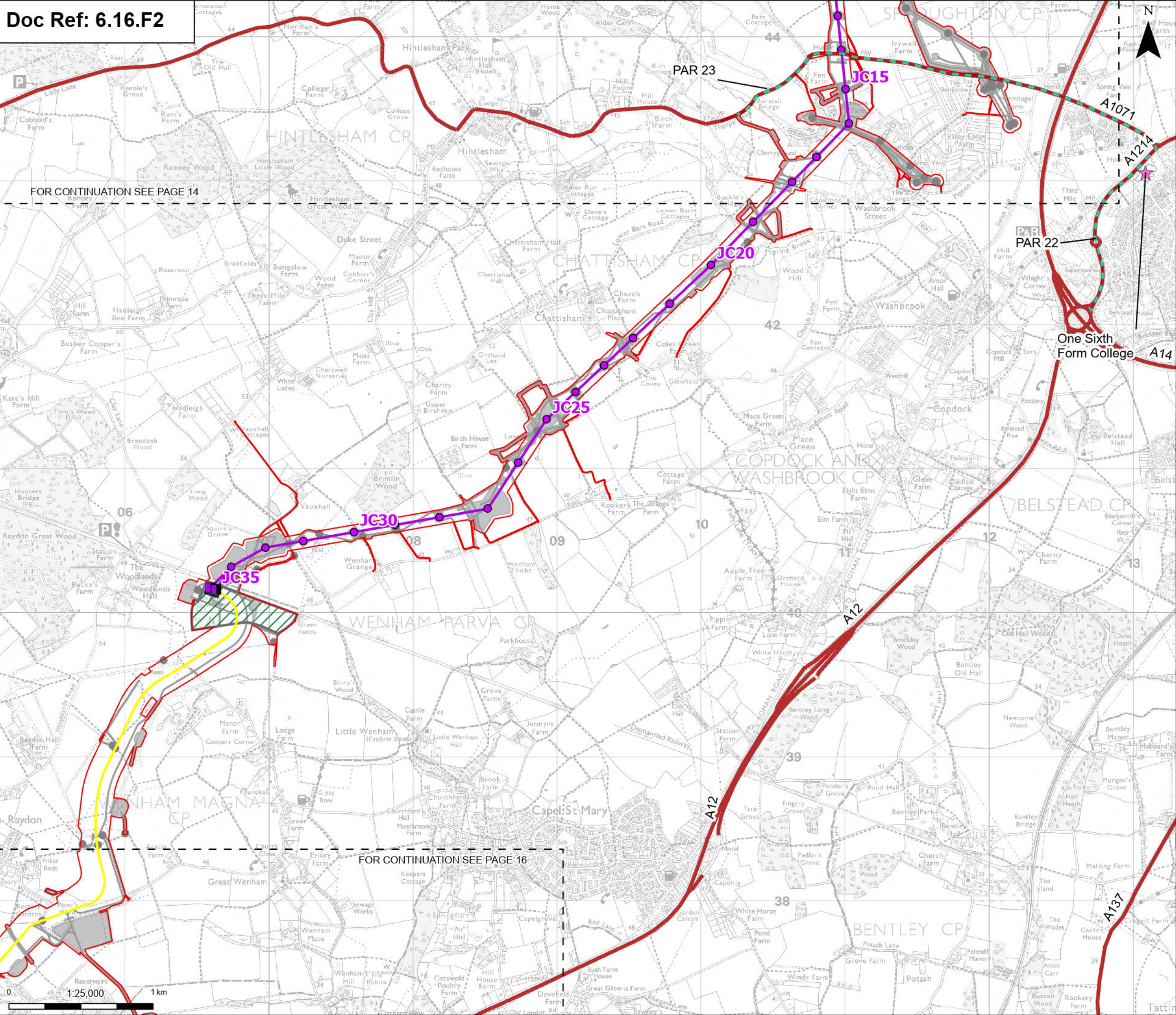
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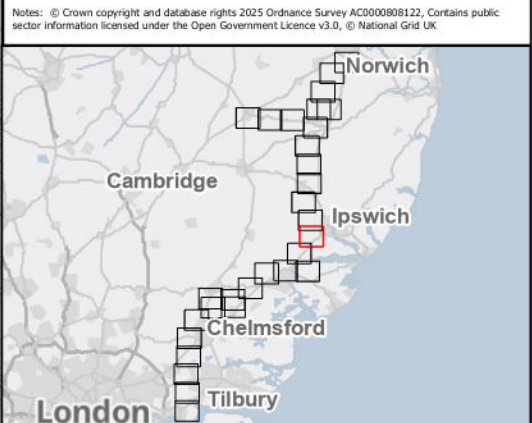
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- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction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

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

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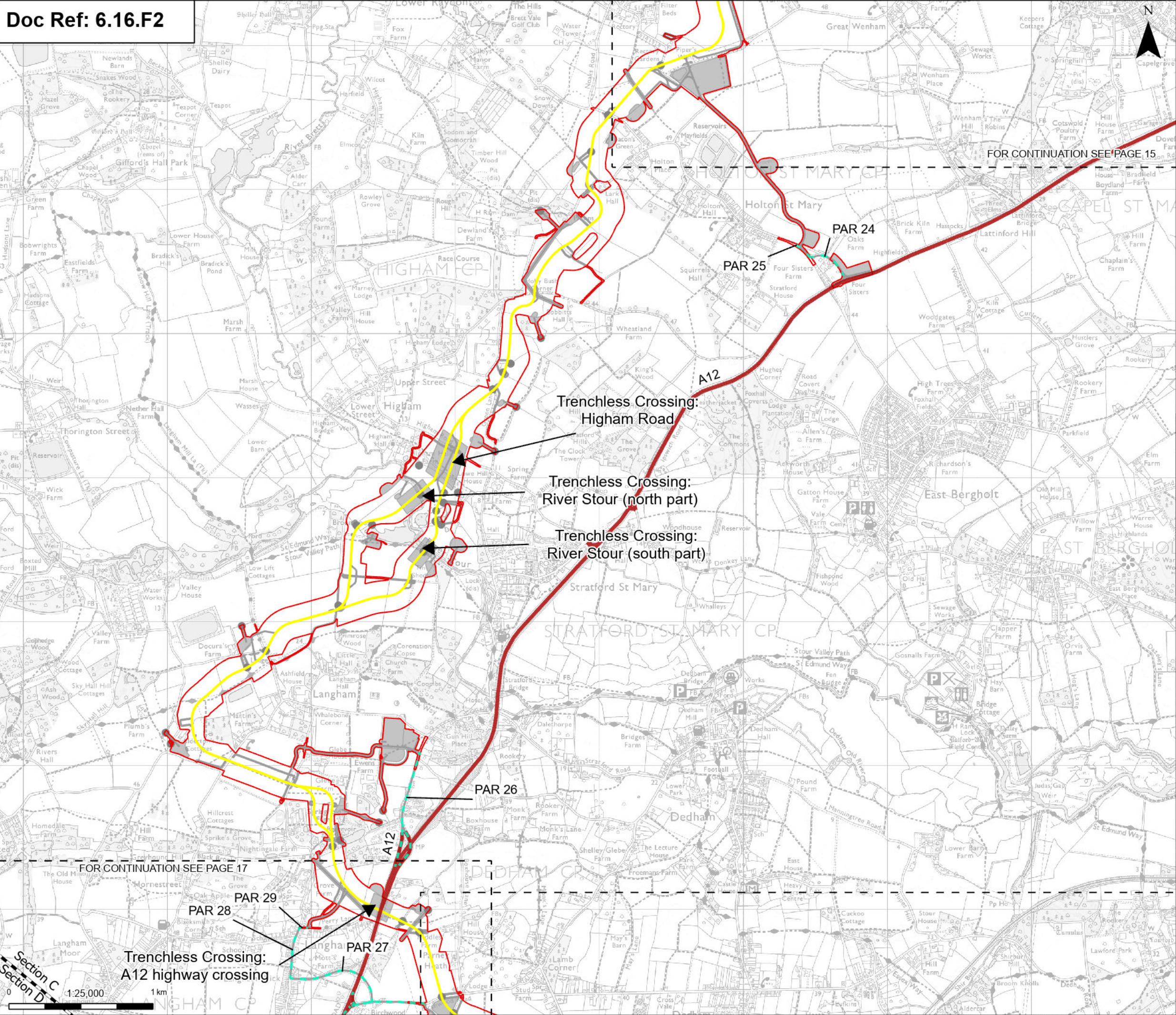
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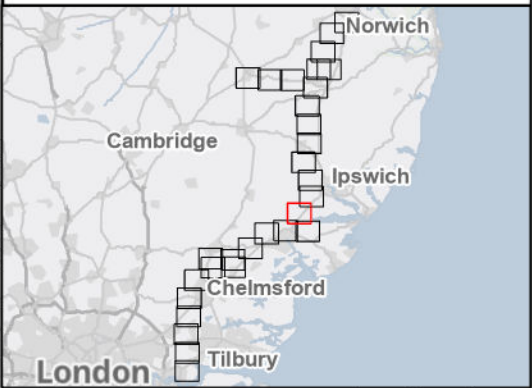
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Discipline specific constraints

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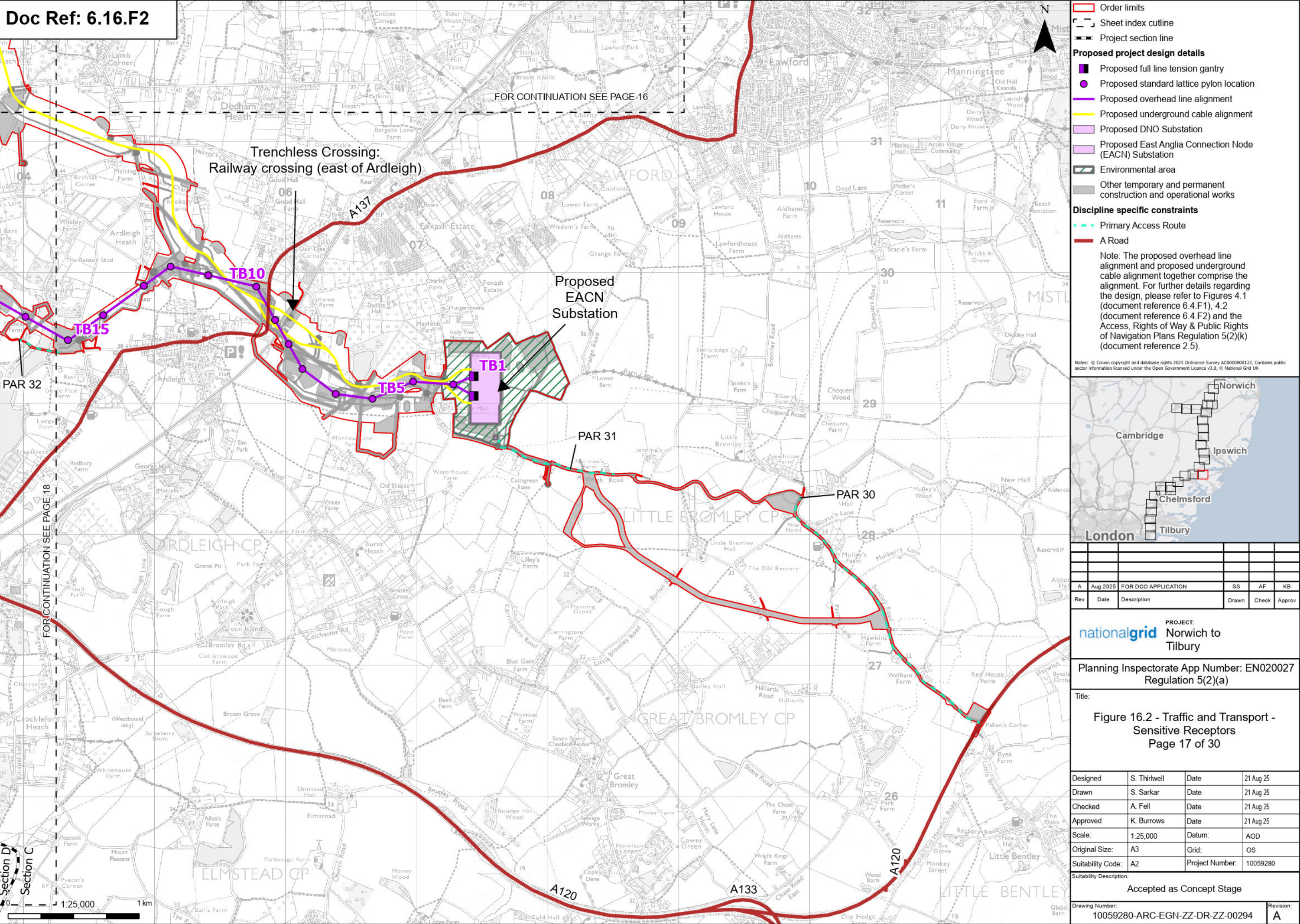
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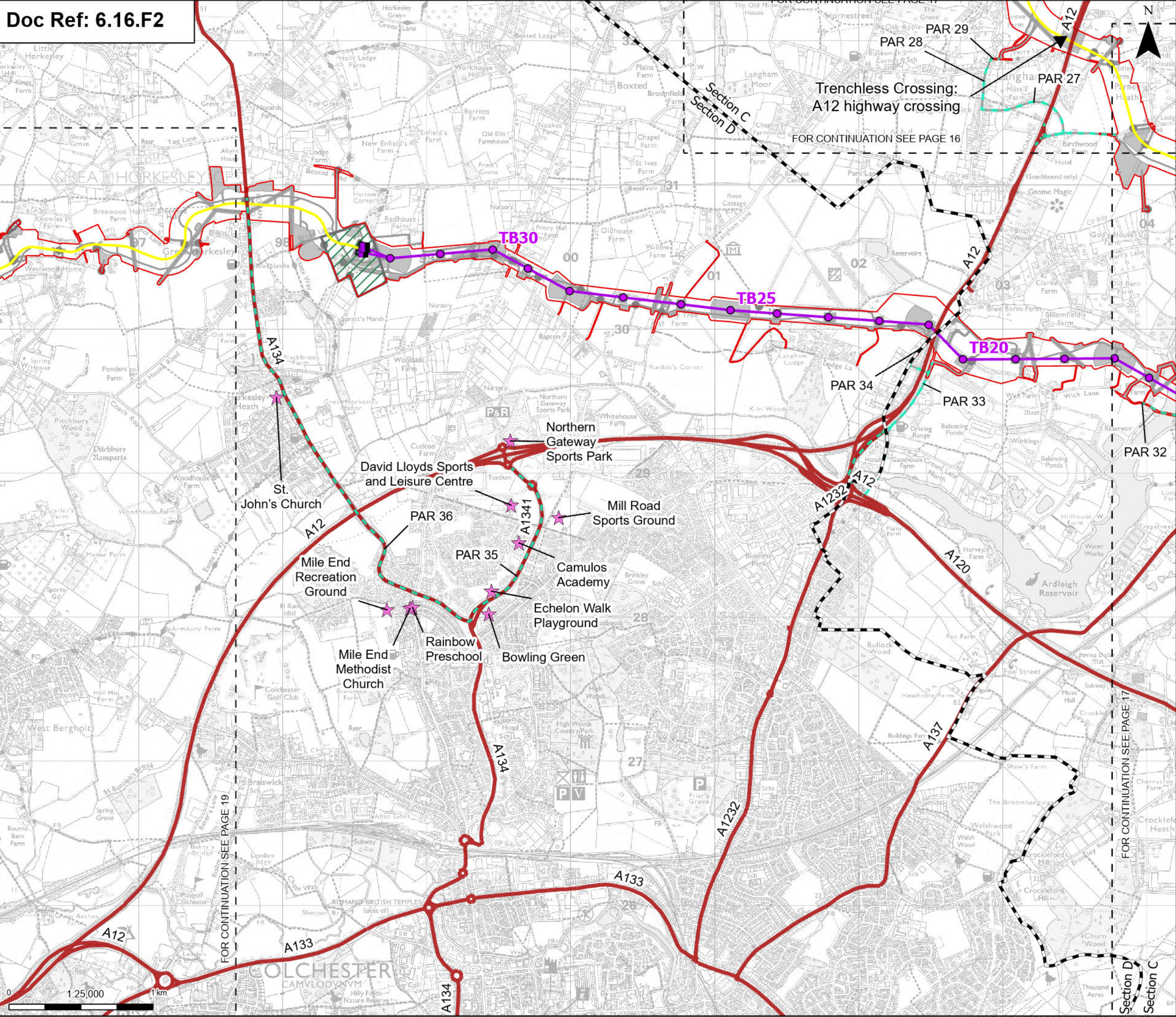
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00294
Revision: A





Order limits

Sheet index cutline

Project section line

Proposed project design details

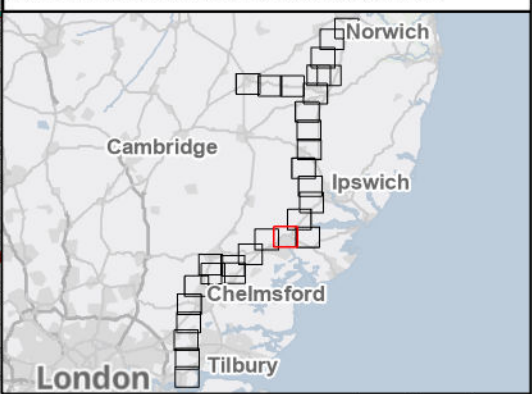
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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Rev	Date	Description	Drawn	Check	Approv

PROJECT: **Norwich to Tilbury**

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

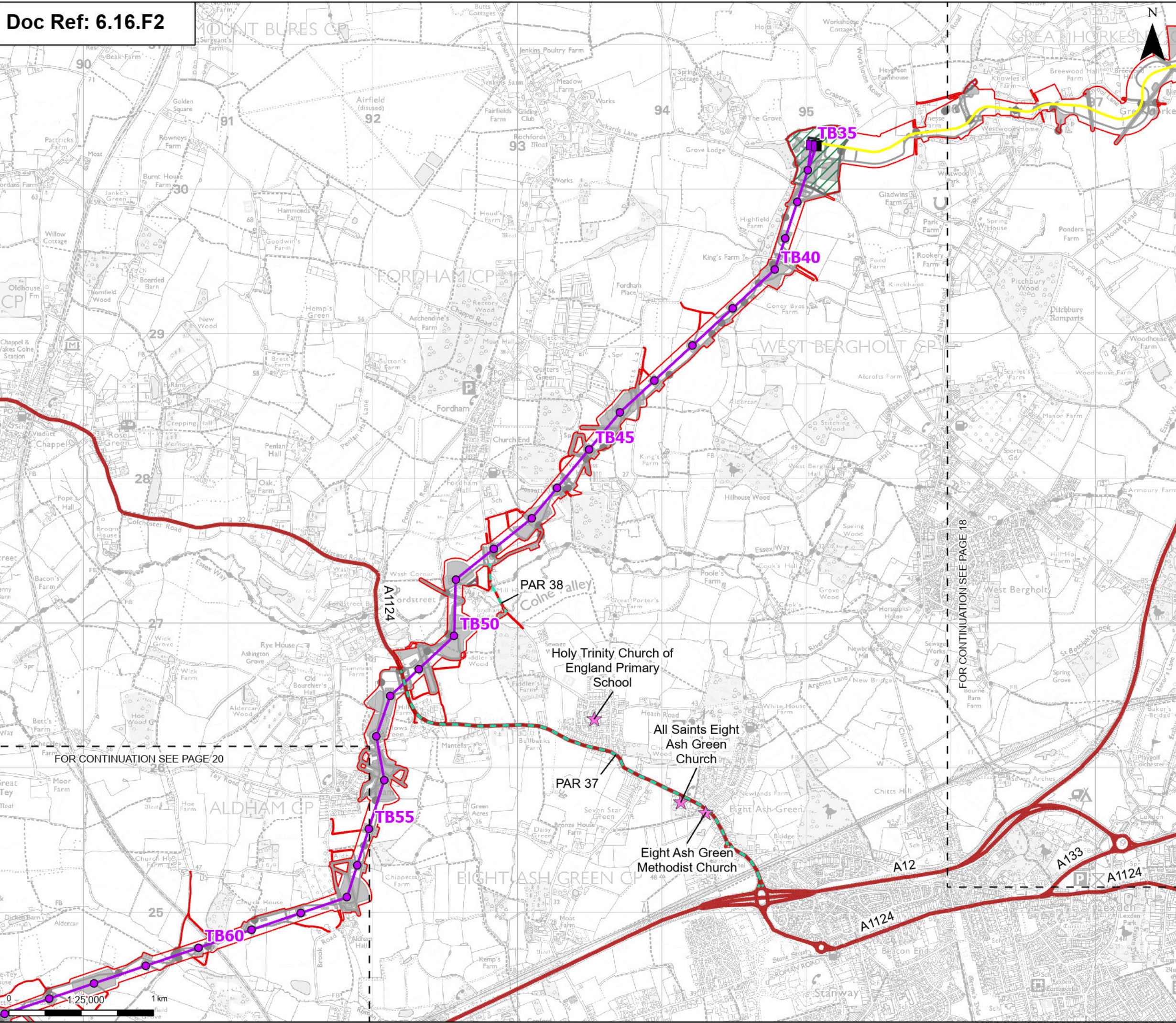
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Figure 16.2 - Traffic and Transport - Sensitive Receptors
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Designed	S. Thirlwell	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	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-EGN-ZZ-DR-ZZ-00294

Revision:
A



Order limits

Sheet index outline

Proposed project design details

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

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

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

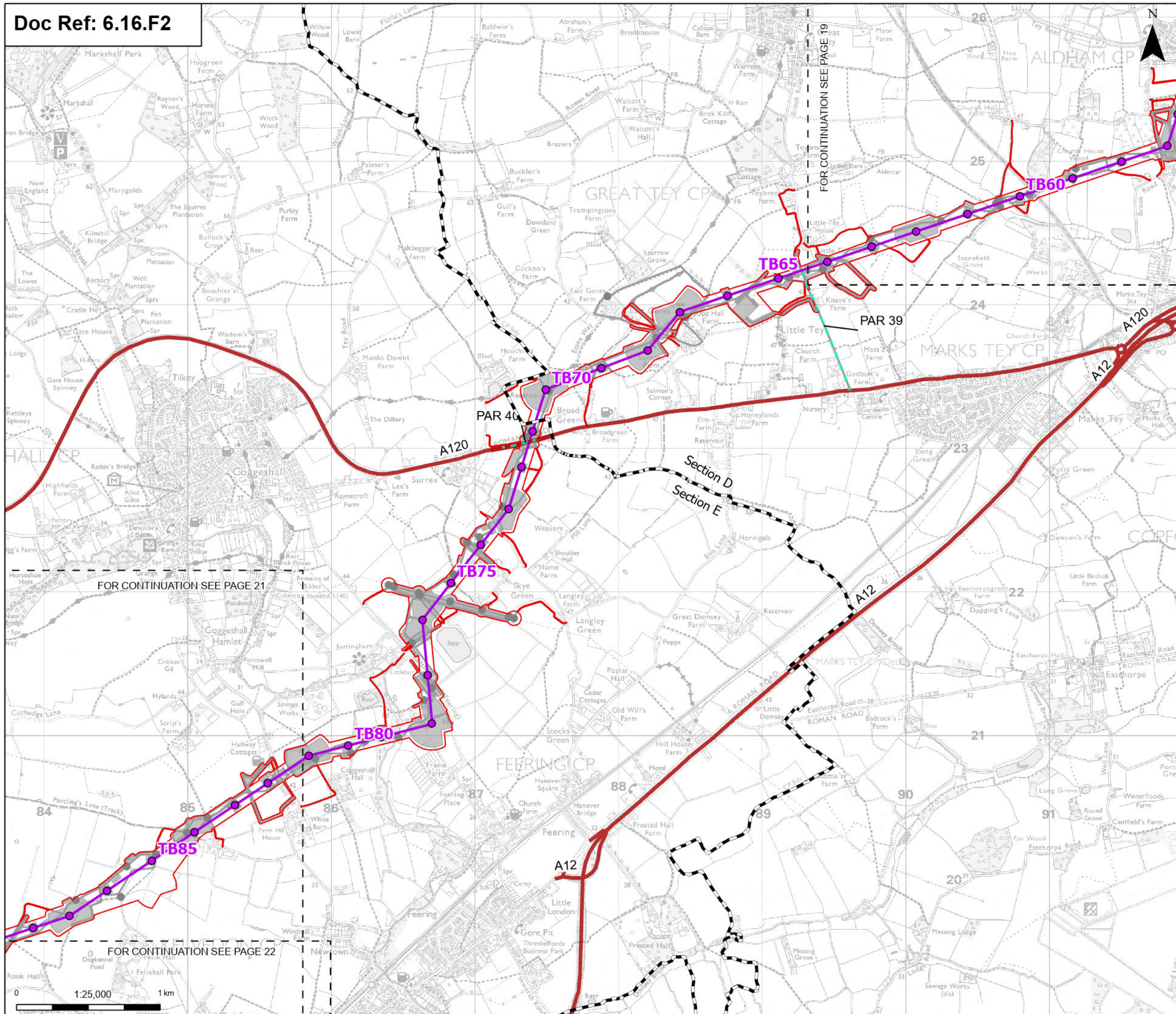
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Figure 16.2 - Traffic and Transport - Sensitive Receptors
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Designed	S. Thirlwell	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number:
10059280-ARC-EGN-ZZ-DR-ZZ-00294

Revision:
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Order limits

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- Project section line

Proposed project design details

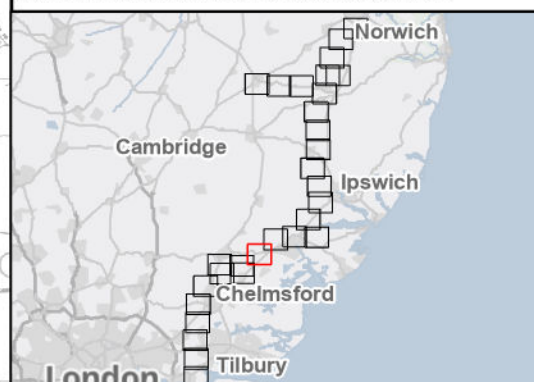
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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PROJECT:
nationalgrid Norwich to Tilbury

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

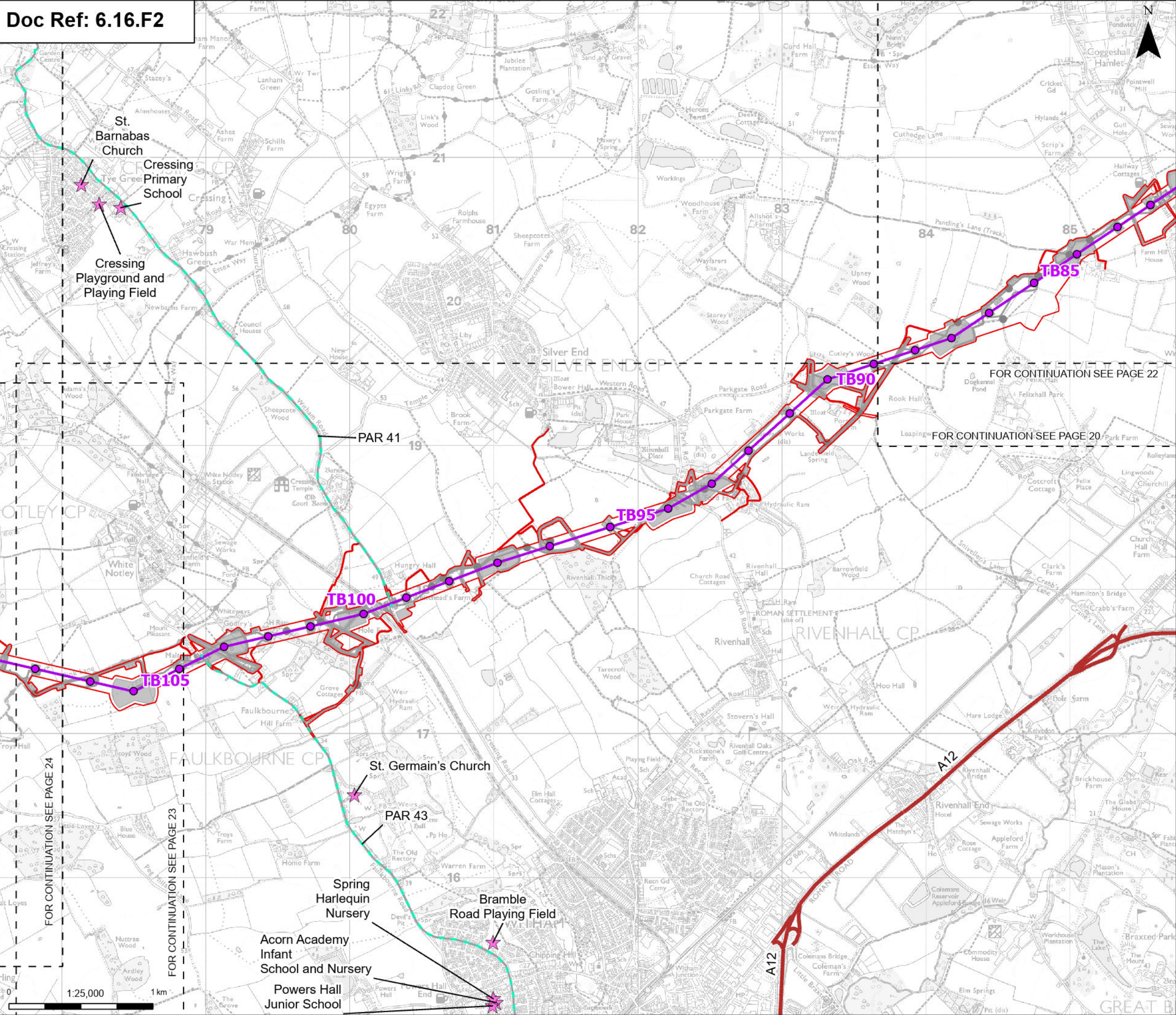
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Figure 16.2 - Traffic and Transport - Sensitive Receptors
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
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Suitability Description:
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Drawing Number:
10059280-ARC-EGN-ZZ-DR-ZZ-00294

Revision:
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Order limits

Sheet index outline

Proposed project design details

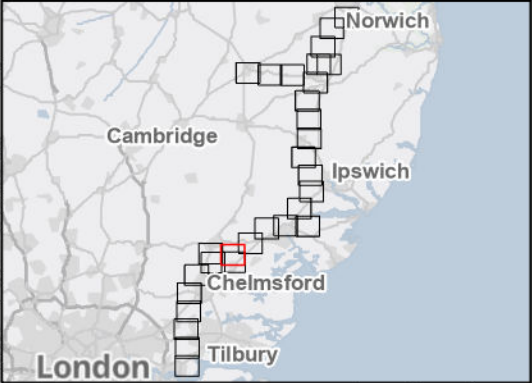
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:
nationalgrid Norwich to Tilbury

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

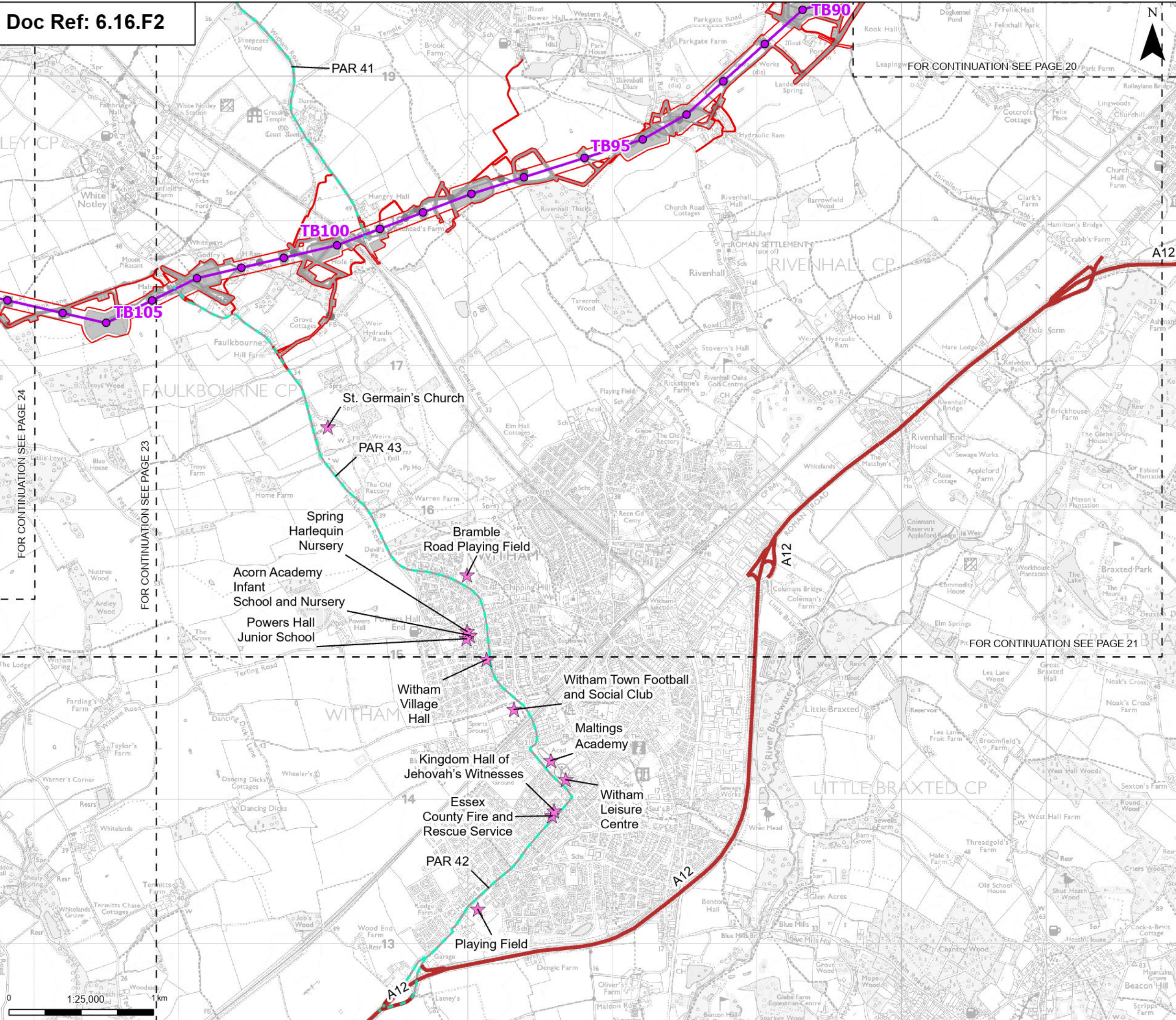
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Figure 16.2 - Traffic and Transport - Sensitive Receptors
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EGN-ZZ-DR-ZZ-00294

Revision:
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Order limits

Sheet index outline

Proposed project design details

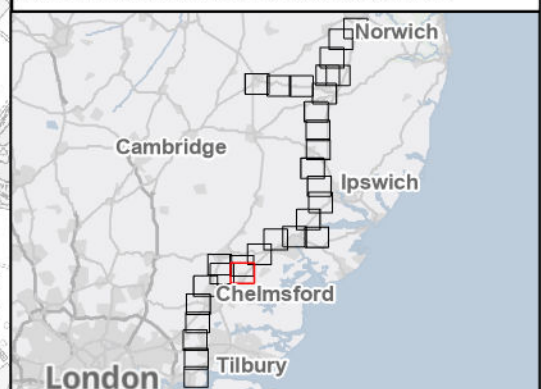
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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PROJECT: **nationalgrid** Norwich to Tilbury

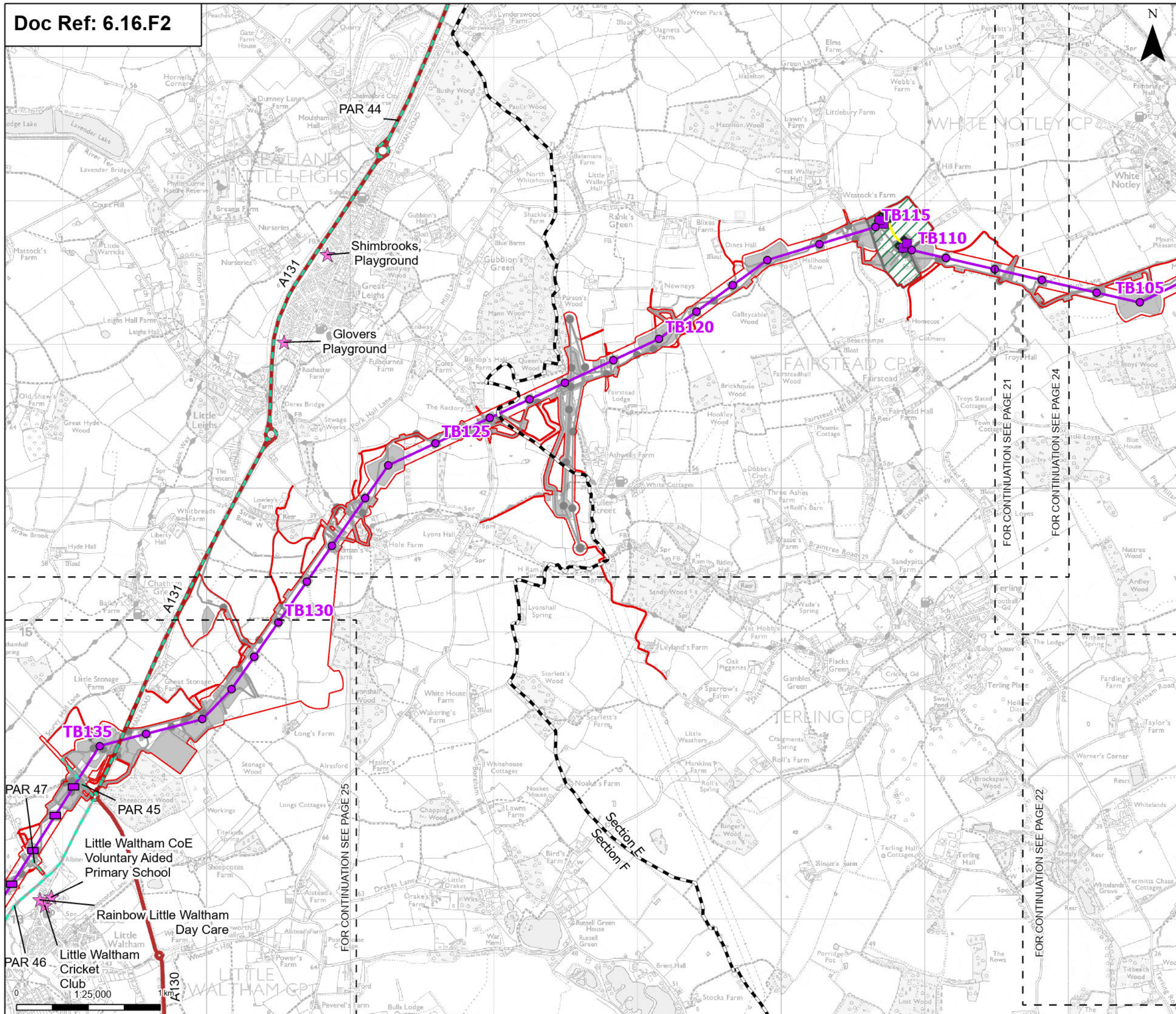
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Figure 16.2 - Traffic and Transport - Sensitive Receptors
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Designed	S. Thirlwell	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	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-EGN-ZZ-DR-ZZ-00294
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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

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k)

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nationalgrid Norwich to Tilbury

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Title:

Figure 16.2 - Traffic and Transport - Sensitive Receptors
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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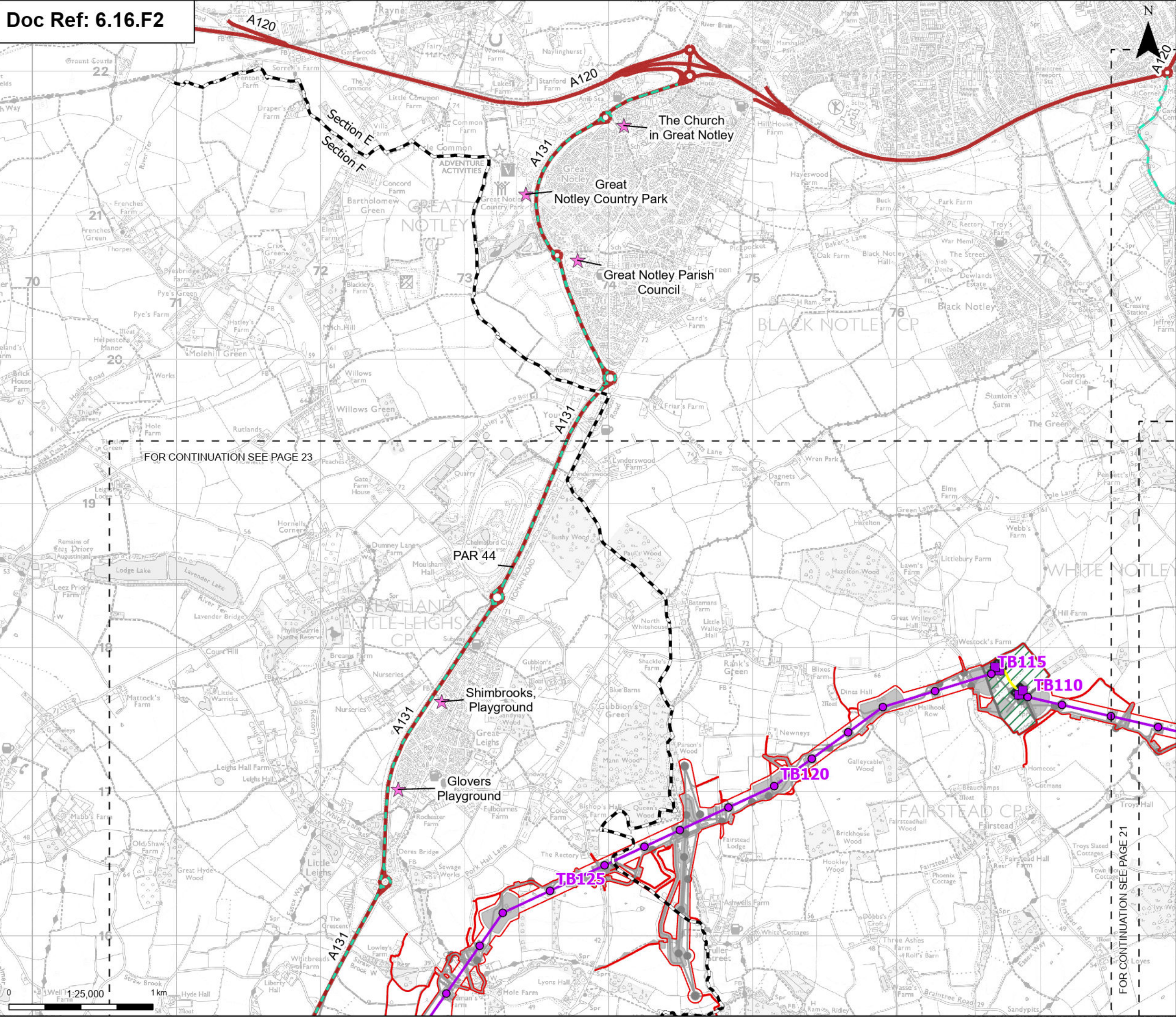
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Drawing Number:

10059280-ARC-EGN-ZZ-DR-ZZ-00294

Revision:

A



Order limits

Sheet index outline

Project section line

Proposed project design details

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

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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PROJECT: Norwich to Tilbury

nationalgrid

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

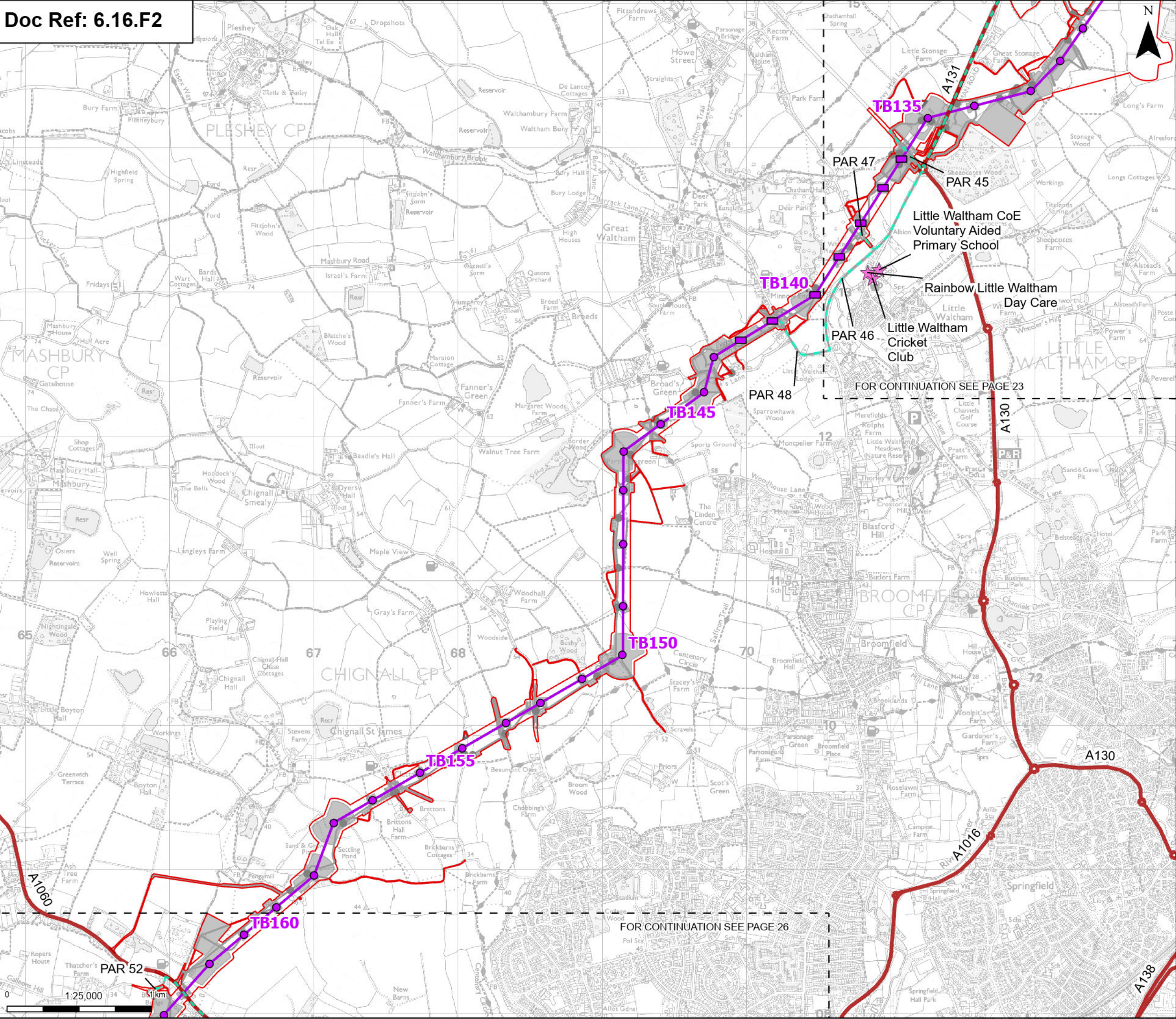
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00294

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Order limits

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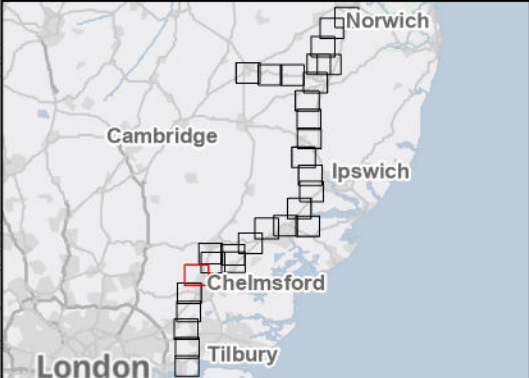
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- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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Rev	Date	Description	Drawn	Check	Approv
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PROJECT:
nationalgrid Norwich to
 Tilbury

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

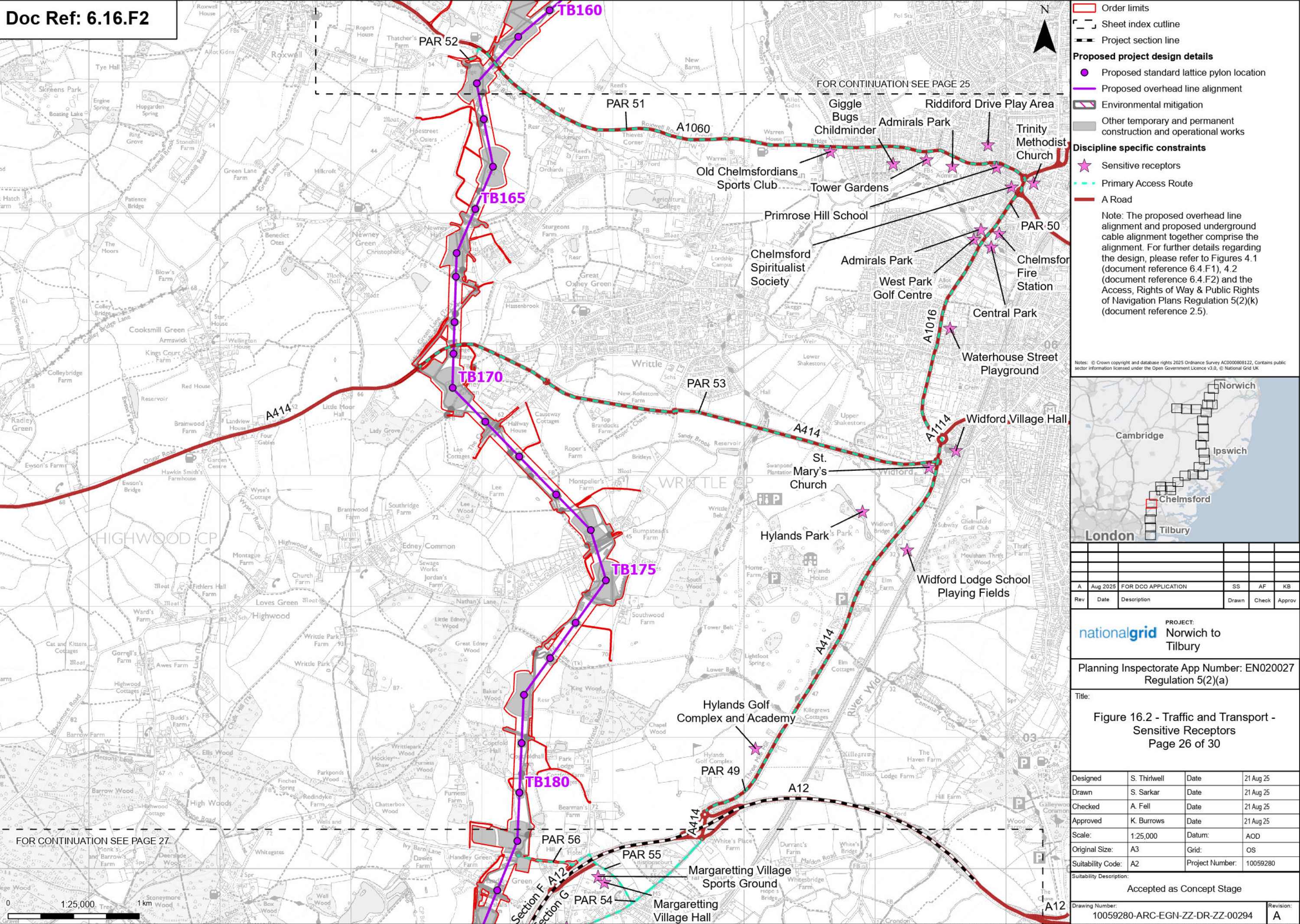
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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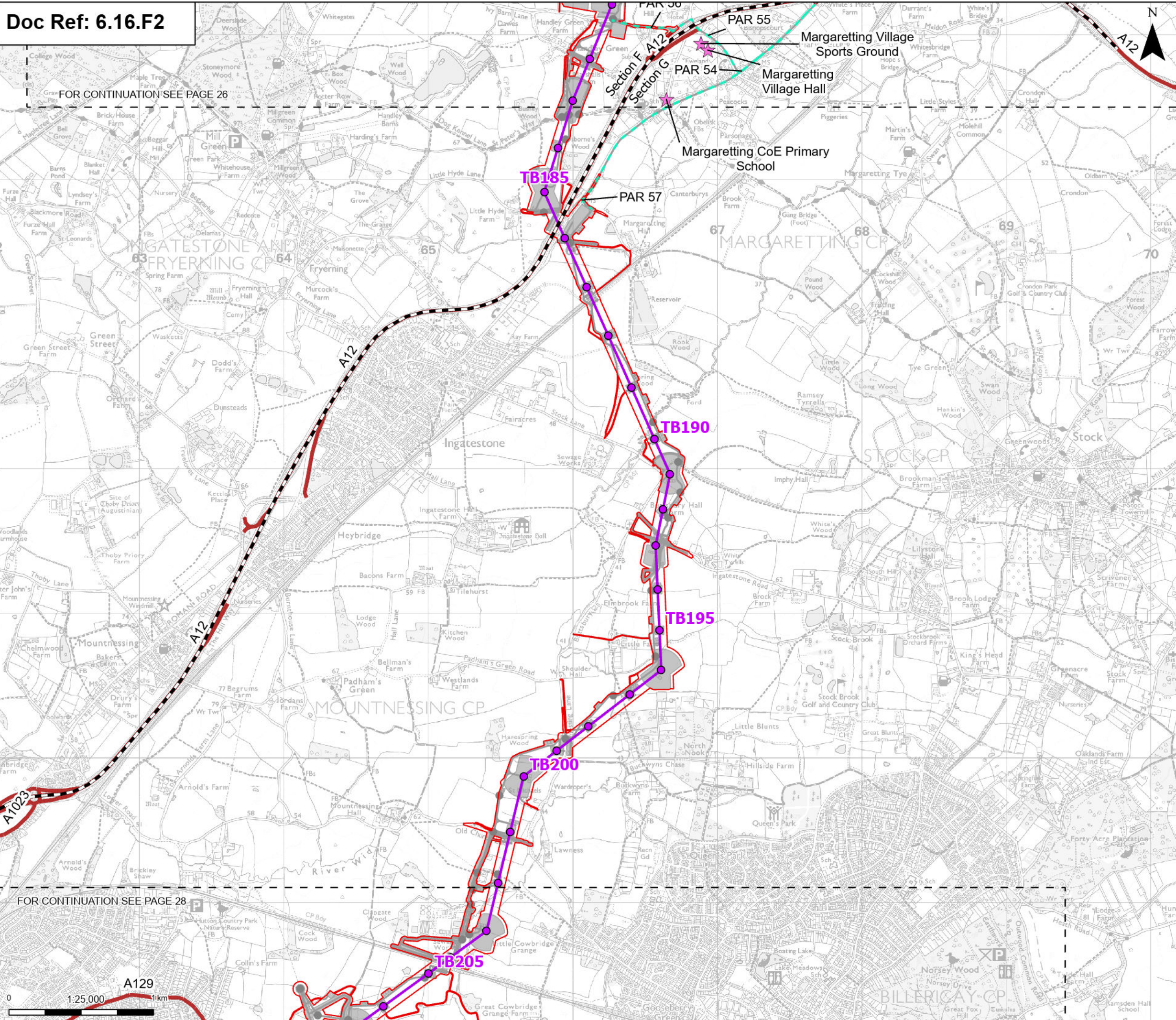
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 10059280-ARC-EGN-ZZ-DR-ZZ-00294

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FOR CONTINUATION SEE PAGE 28



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- Project section line

Proposed project design details

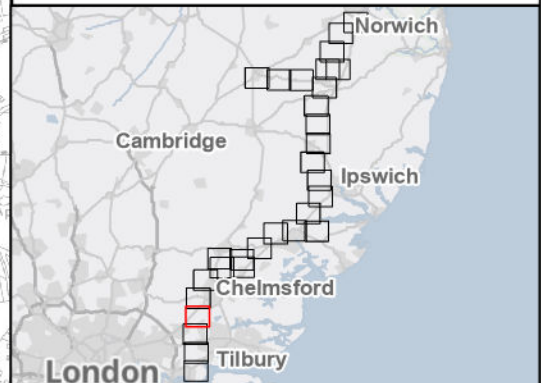
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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).

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PROJECT:
nationalgrid Norwich to Tilbury

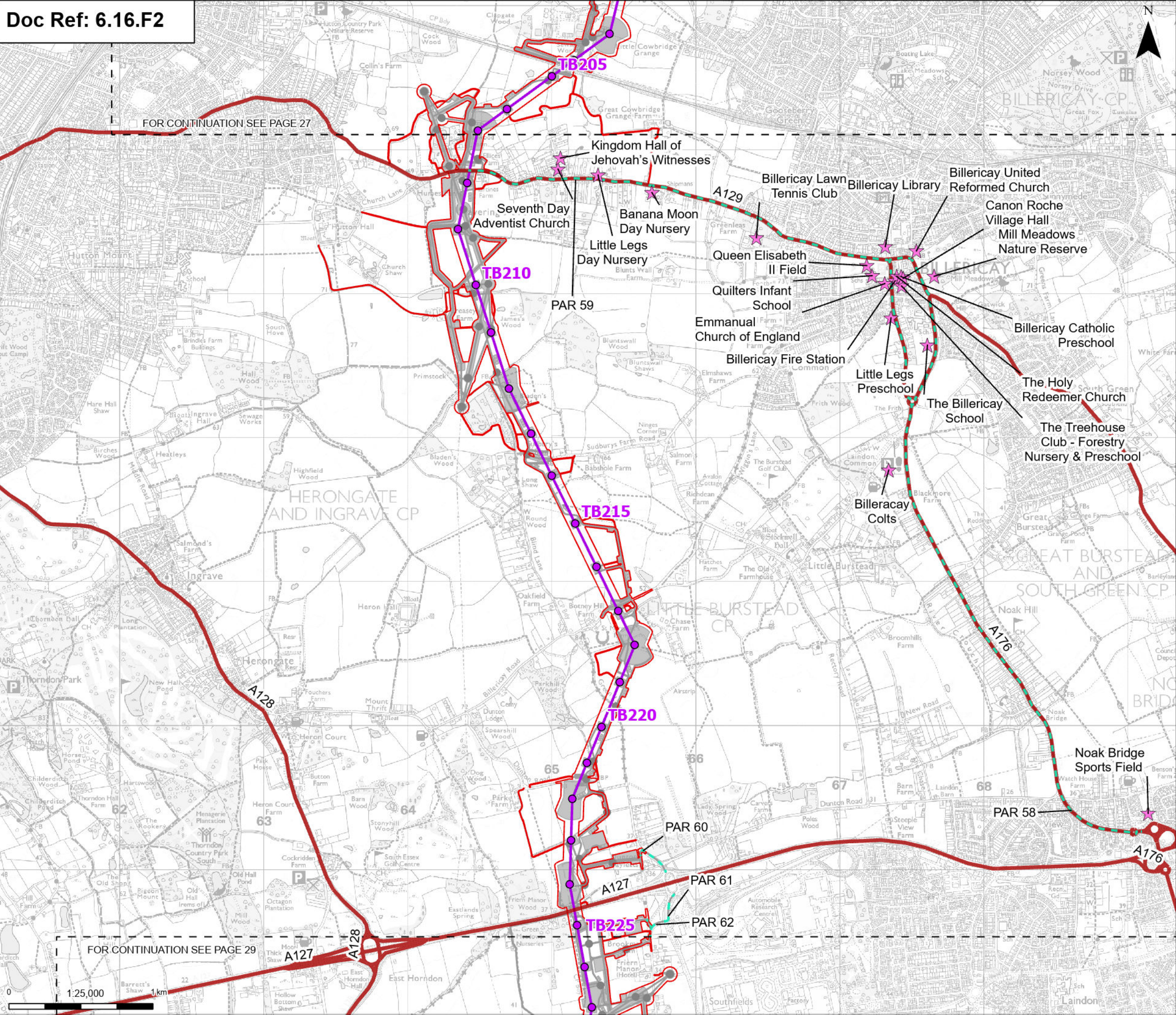
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure 16.2 - Traffic and Transport - Sensitive Receptors
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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-EGN-ZZ-DR-ZZ-00294	Revision: A
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Order limits

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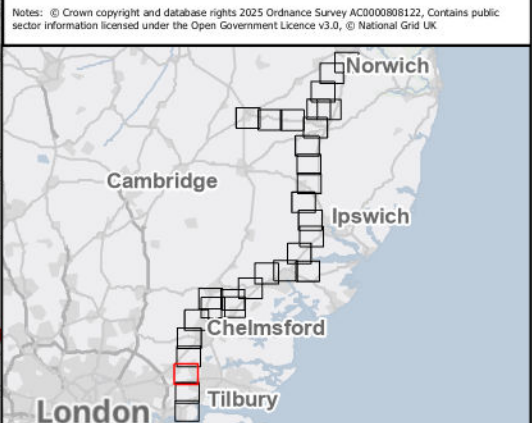
Proposed project design details

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

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1), 4.2 (document reference 6.4.F2) and the Access, Rights of Way & Public Rights of Navigation Plans Regulation 5(2)(k) (document reference 2.5).



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PROJECT: **Norwich to Tilbury**

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

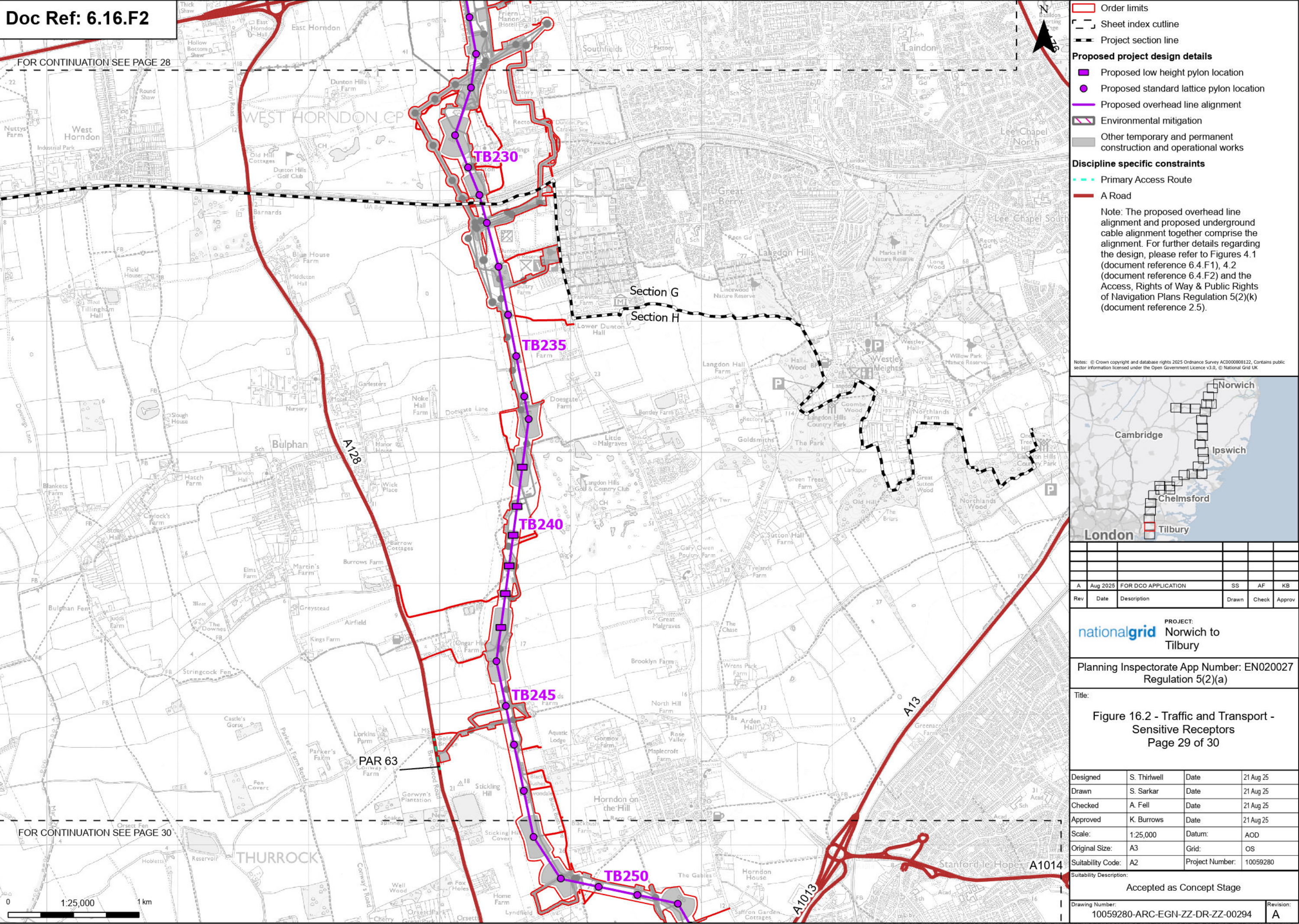
Figure 16.2 - Traffic and Transport - Sensitive Receptors
Page 28 of 30

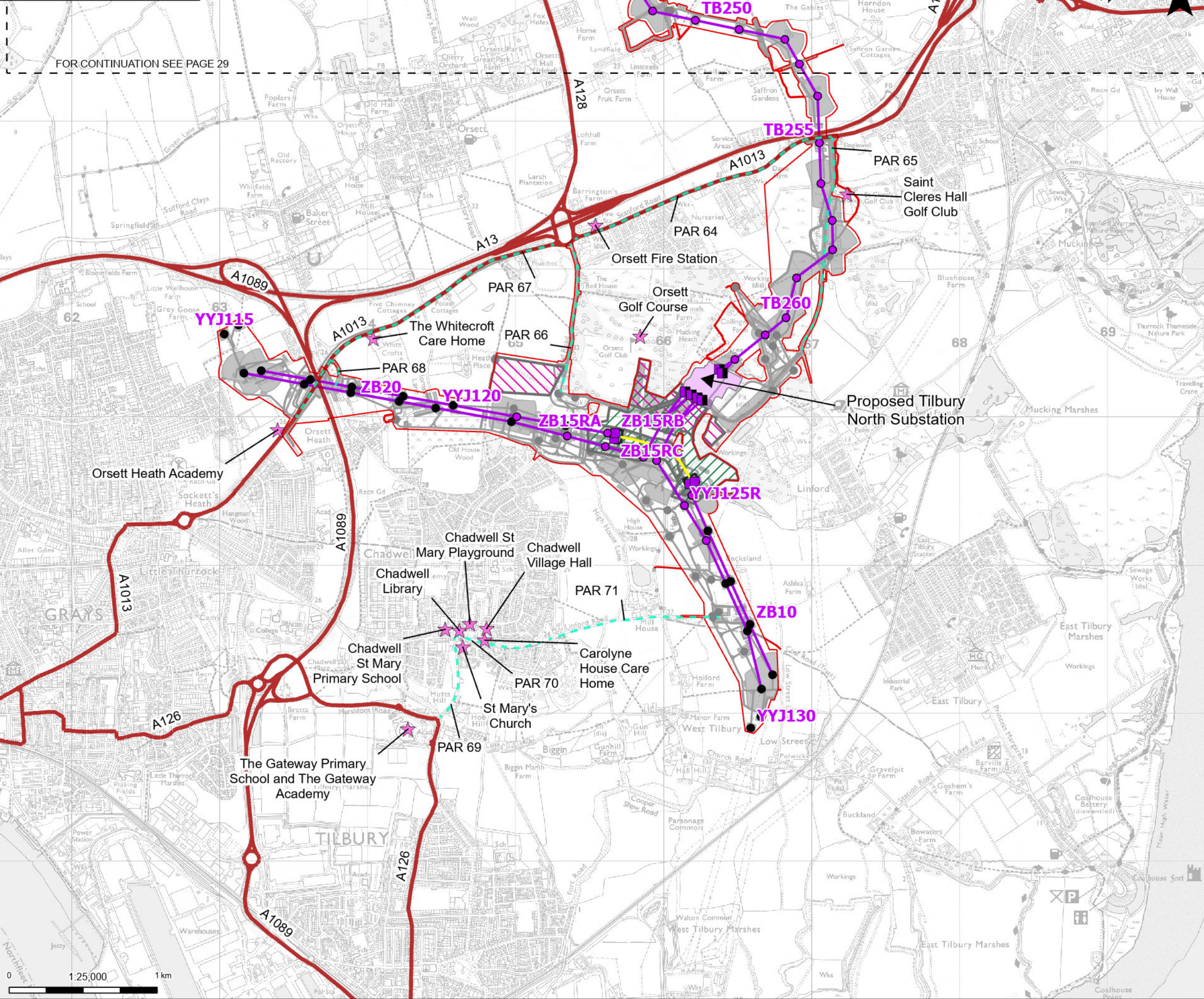
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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- Order limits
- Sheet index outline

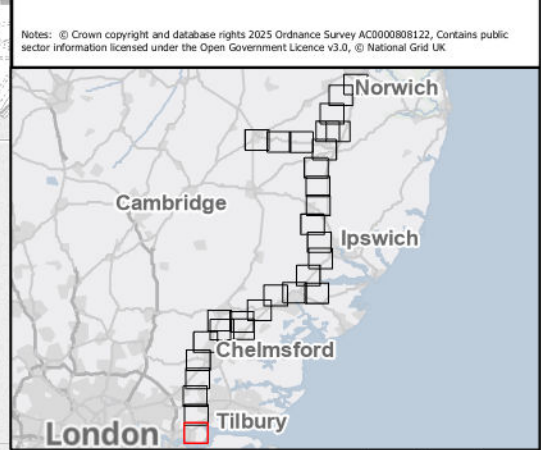
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- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)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

Discipline specific constraints

- Sensitive receptors
- Primary Access Route
- A Road

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



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