

Norwich to Tilbury

Volume 6: Environmental Statement

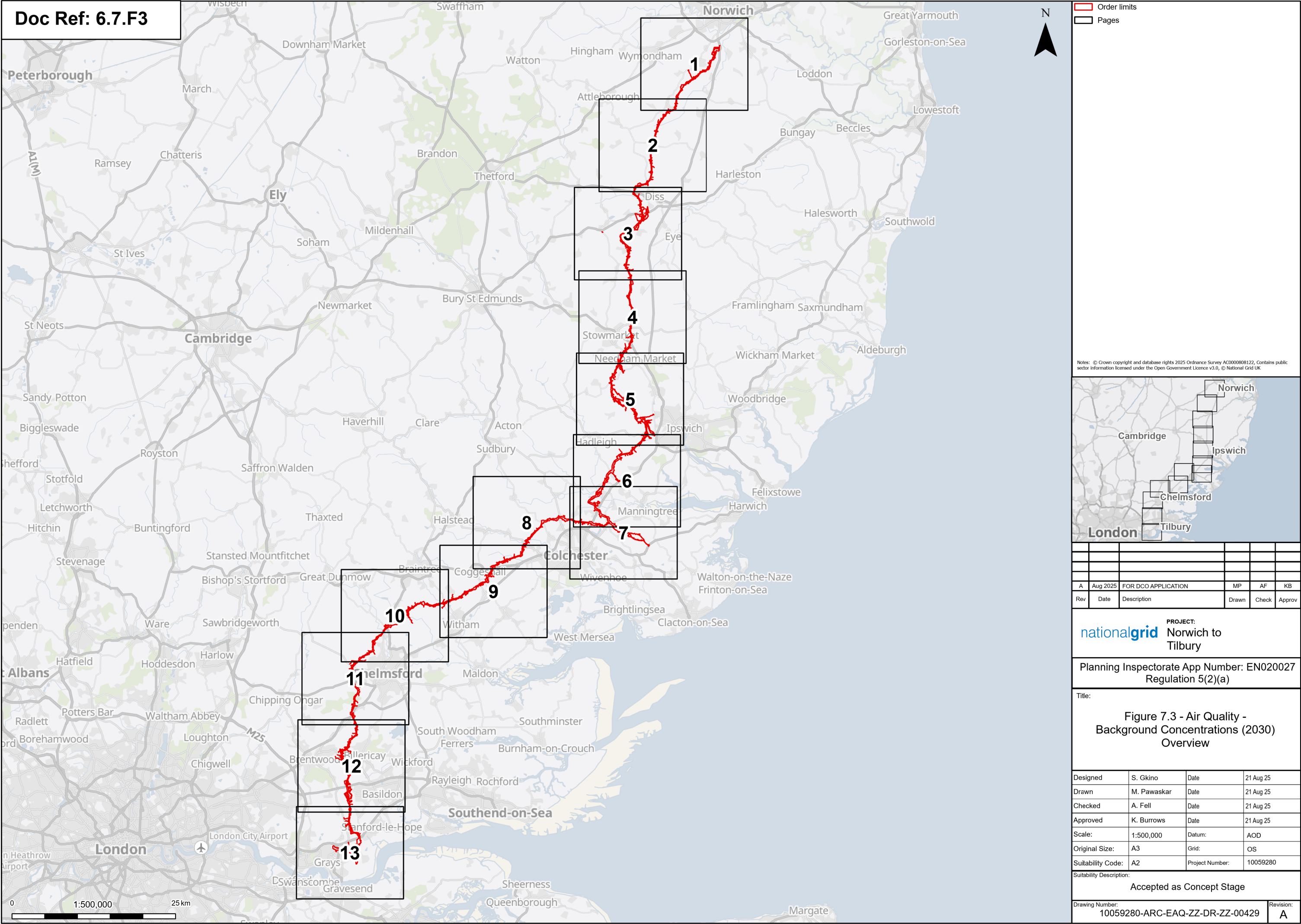
Document: 6.7.F3 Environmental Statement Figure 7.3 - Air Quality Background Concentrations (2030)

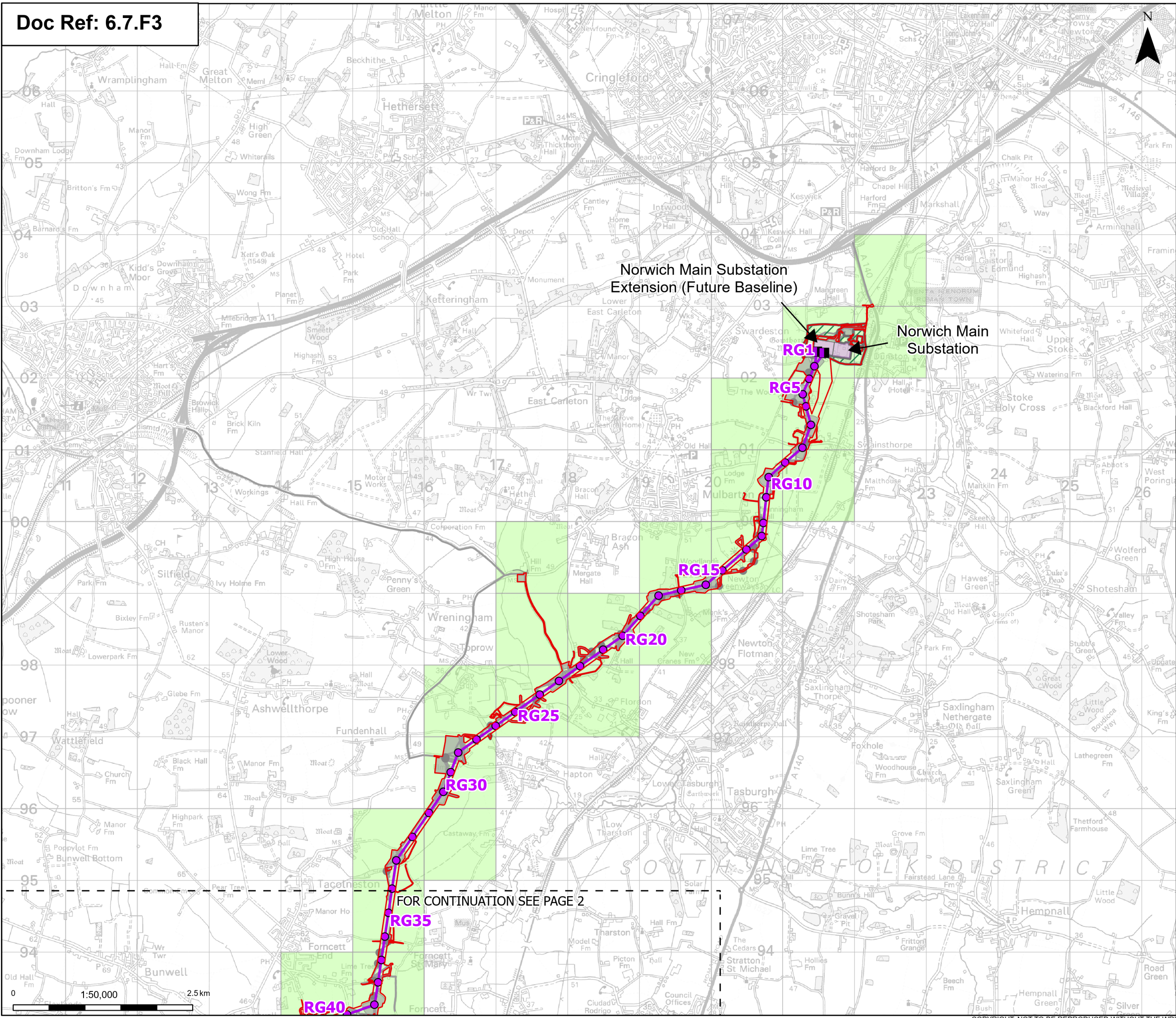
Final Issue A

August 2025

Planning Inspectorate Reference: EN020027

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





Order limits

Sheet index outline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2030 NO₂ background (µg/m³)

Less than 10 µg/m³

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

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PROJECT:

nationalgrid

Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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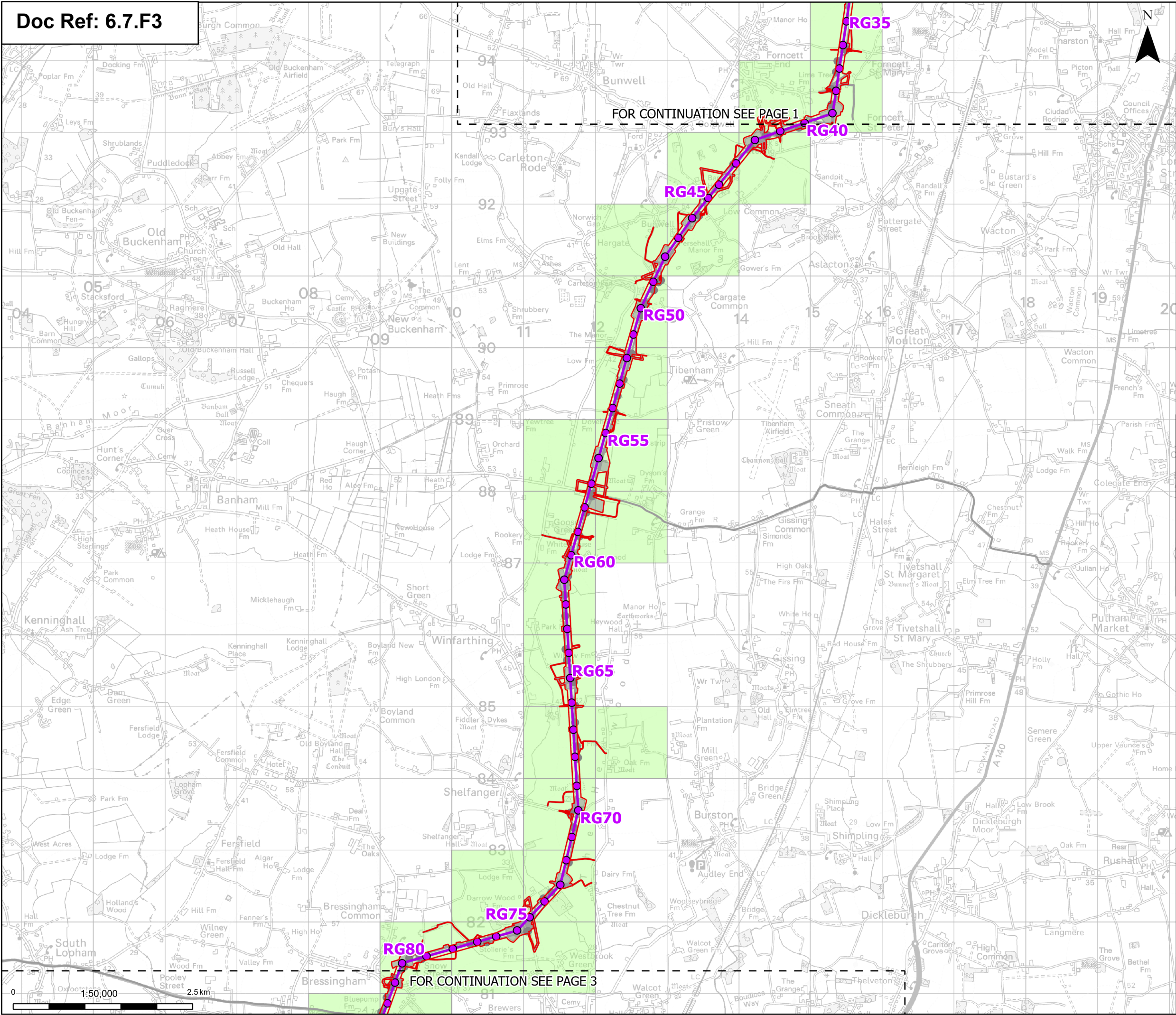
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Figure 7.3 - Air Quality - Background Concentrations (2030)
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Designed	S. Gkino	Date	21 Aug 25
Drawn	M. Pawaskar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:50,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description: Accepted as Concept Stage			
Drawing Number: 10059280-ARC-EAQ-ZZ-DR-ZZ-00429			Revision: A

Print Date: 08-14-25 19:39:55

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Order limits

Sheet index outline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

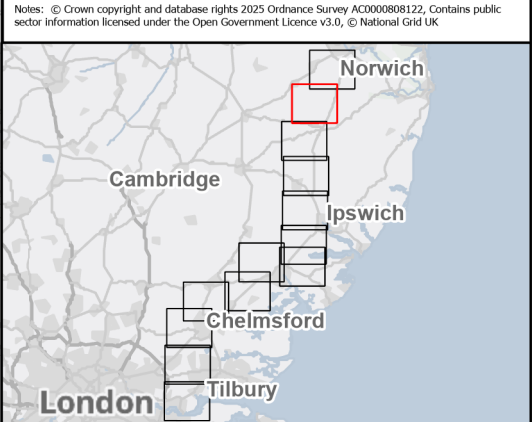
Other temporary and permanent construction and operational works

Discipline specific constraints

2030 NO₂ background (µg/m³)

Less than 10 µg/m³

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



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Figure 7.3 - Air Quality - Background Concentrations (2030)

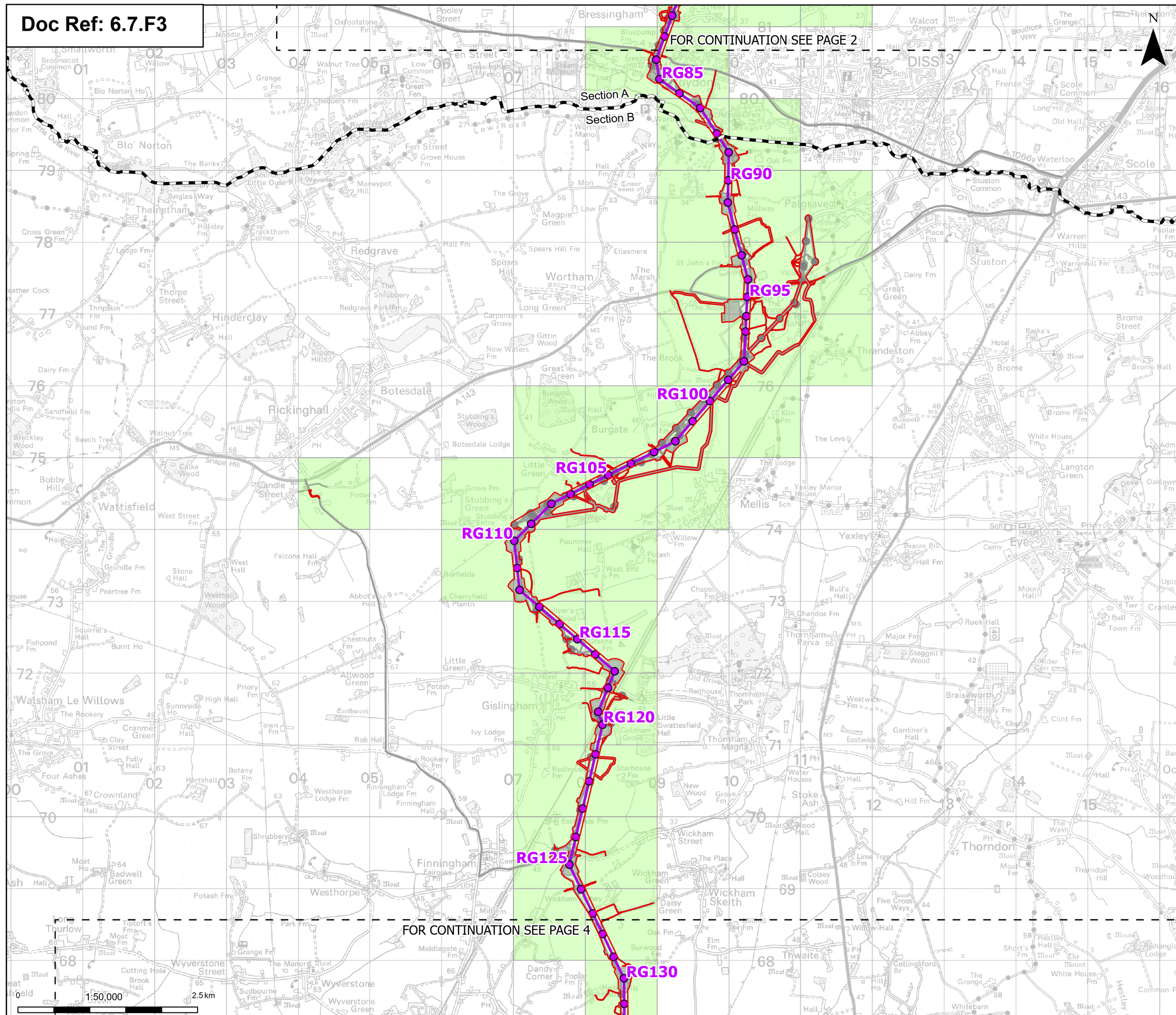
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Order limits

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

2030 NO₂ background (µg/m³)

Less than 10 µg/m³

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 7.3 - Air Quality -
Background Concentrations (2030)**
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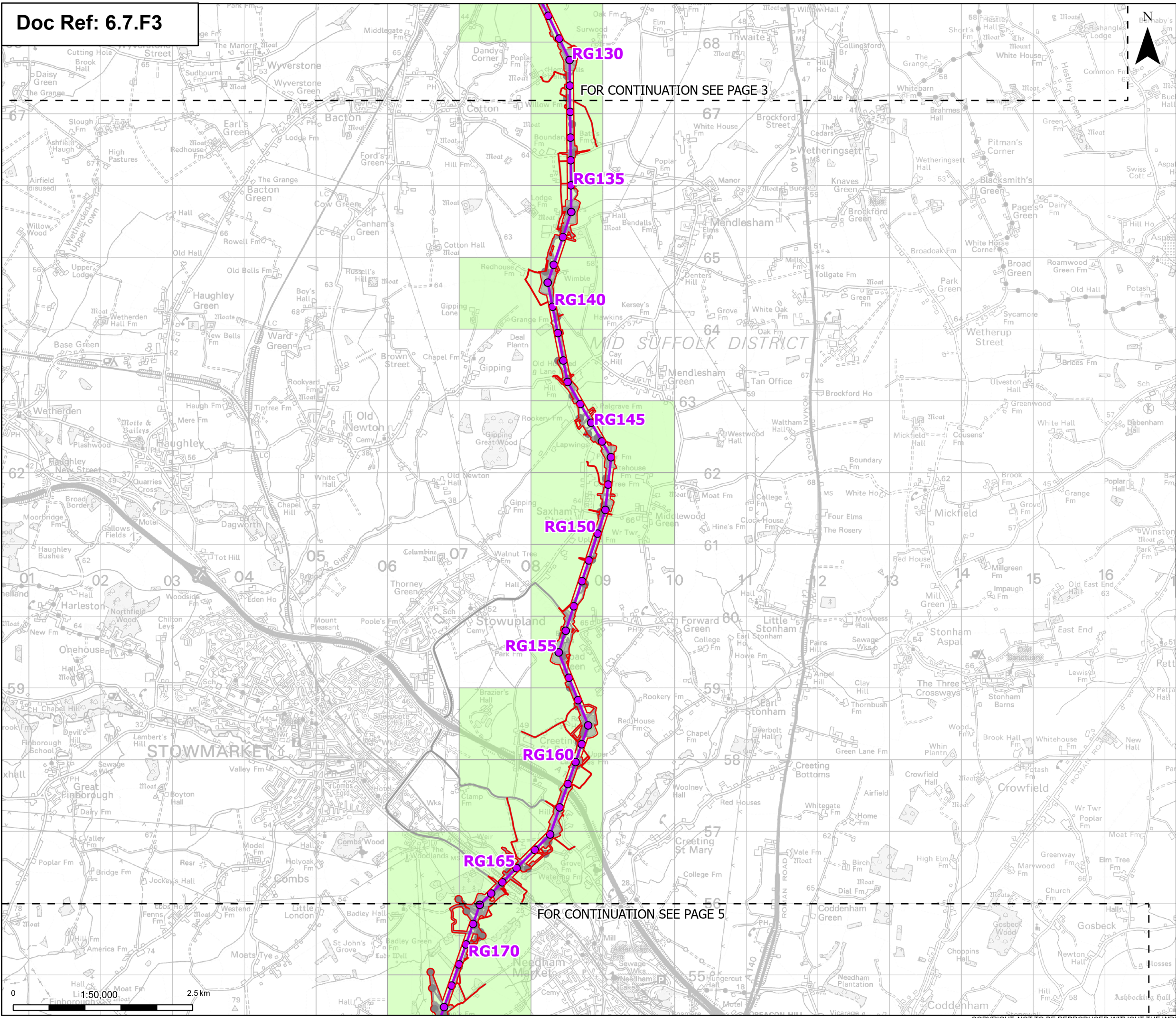
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Order limits

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

2030 NO₂ background (µg/m³)

Less than 10 µg/m³

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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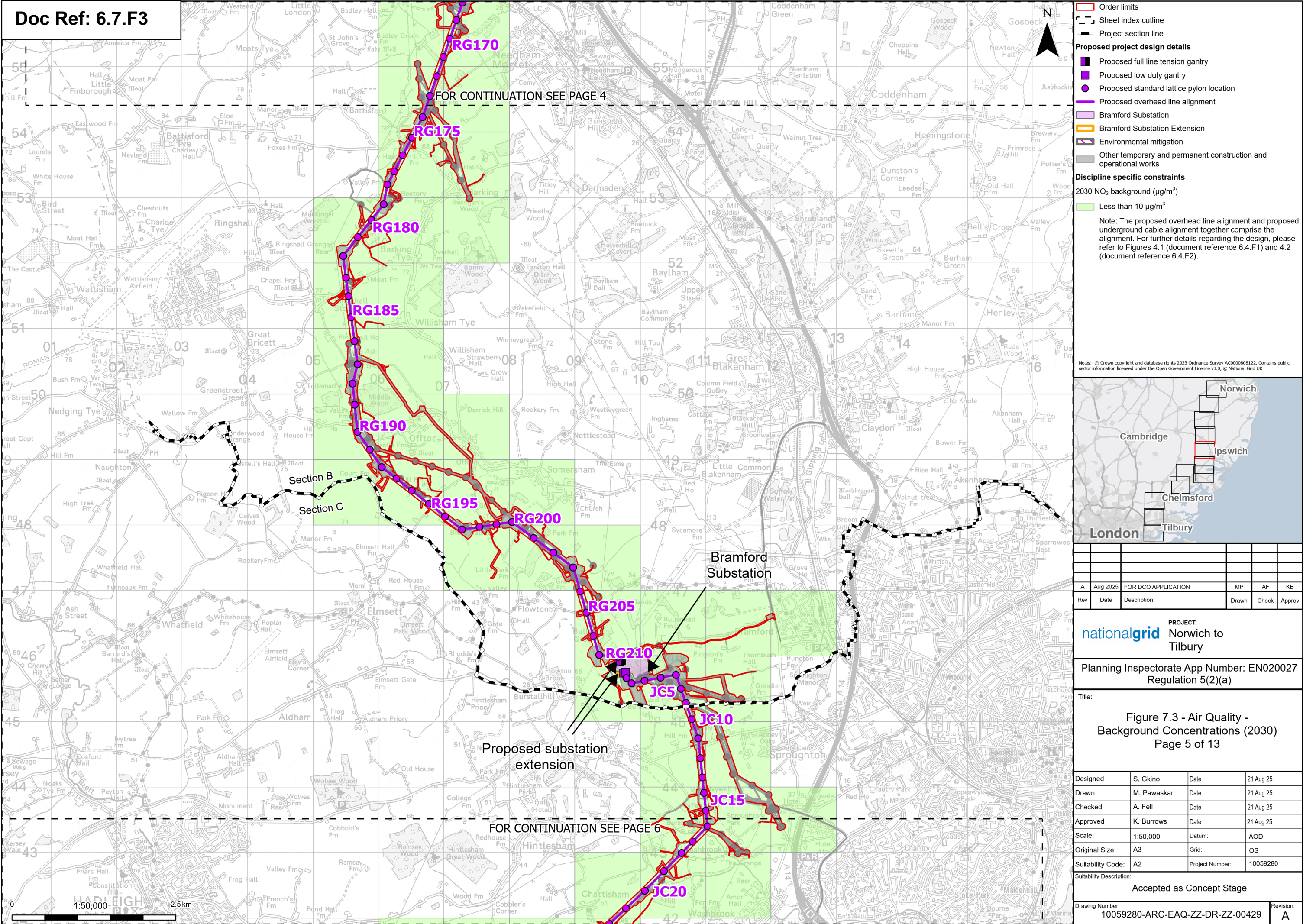
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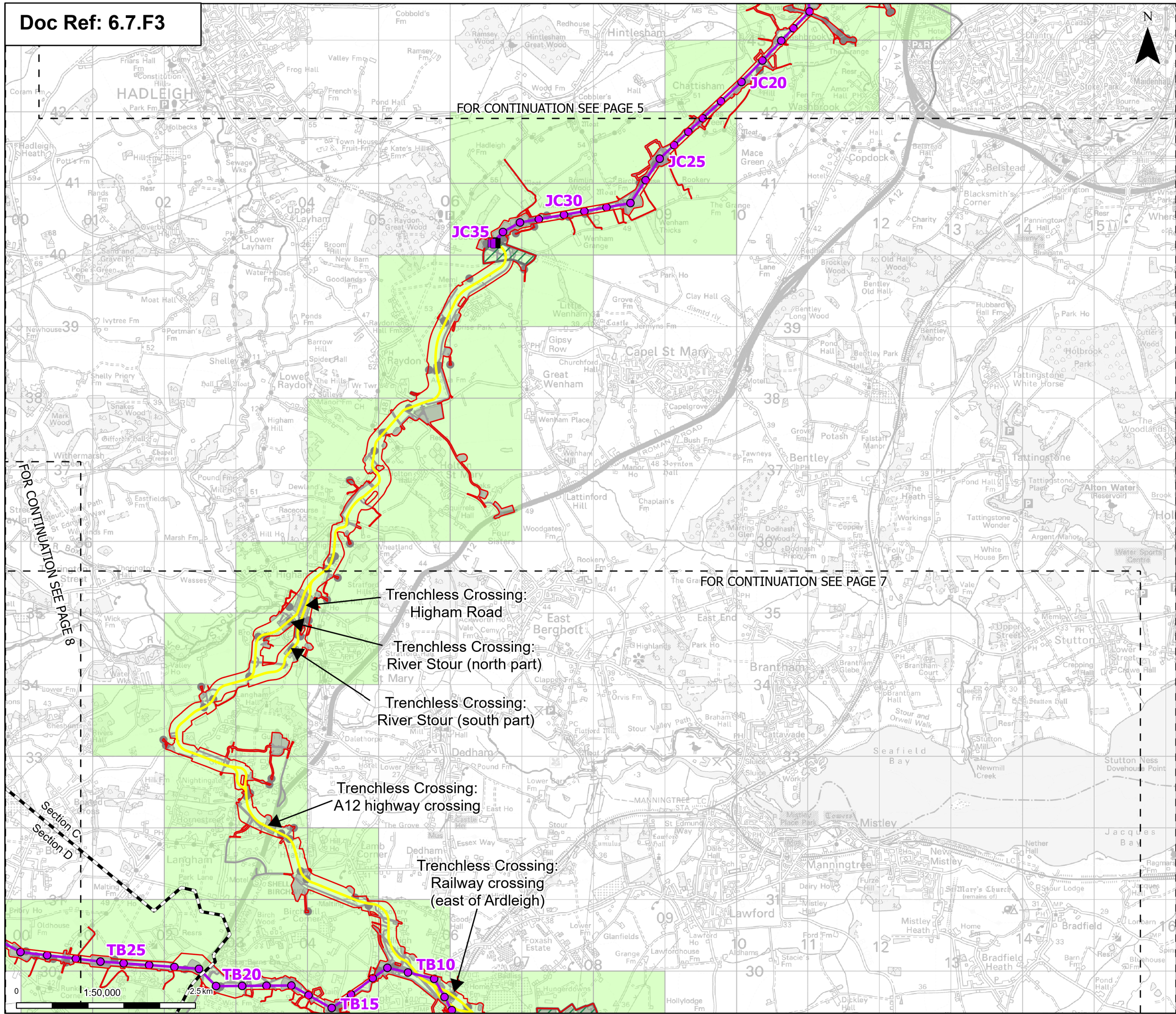
Figure 7.3 - Air Quality -
Background Concentrations (2030)
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Suitability Description: Accepted as Concept Stage			
Drawing Number:	10059280-ARC-EAQ-ZZ-DR-ZZ-00429		Revision: A

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Sheet index outline

Project section line

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2030 NO₂ background (µg/m³)

Less than 10 µg/m³

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

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Figure 7.3 - Air Quality - Background Concentrations (2030)

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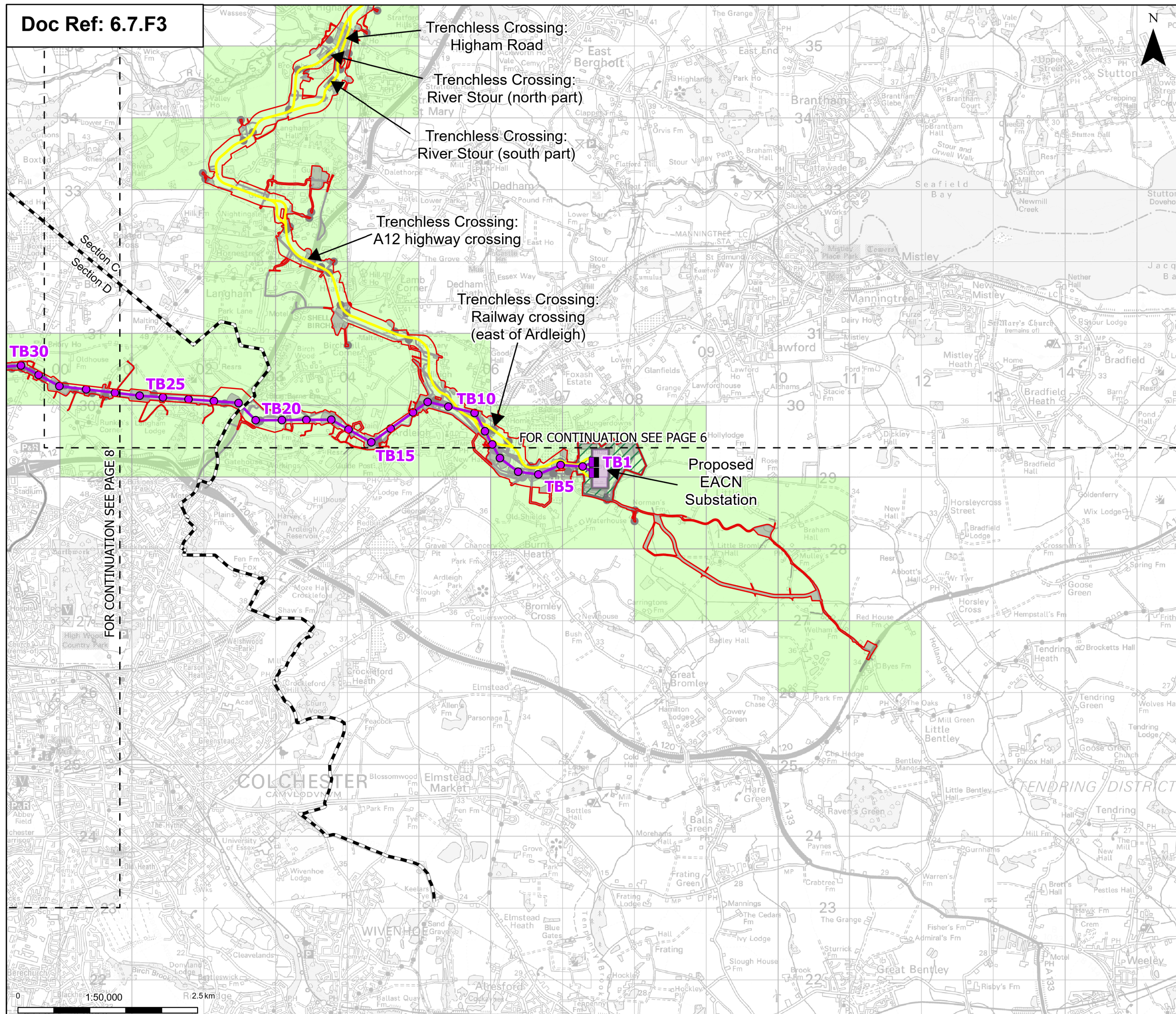
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-  Order limits
 -  Sheet index outline
 -  Project section line

Proposed project design details

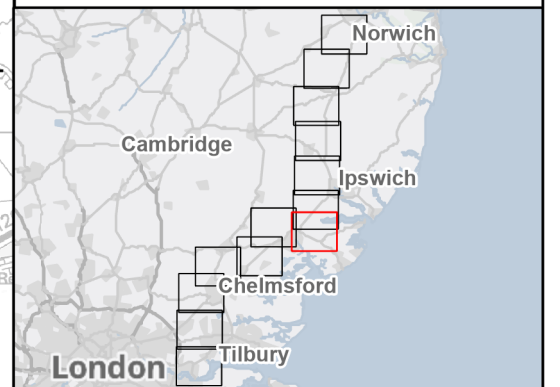
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 -  Proposed standard lattice pylon location
 -  Proposed overhead line alignment
 -  Proposed underground cable alignment
 -  Proposed DNO Substation
 -  Proposed East Anglia Connection Node (EACN) Substation
 -  Environmental area
 -  Other temporary and permanent construction and operational works

Discipline specific constraints

 -  2030 NO₂ background ($\mu\text{g}/\text{m}^3$)
 -  Less than 10 $\mu\text{g}/\text{m}^3$

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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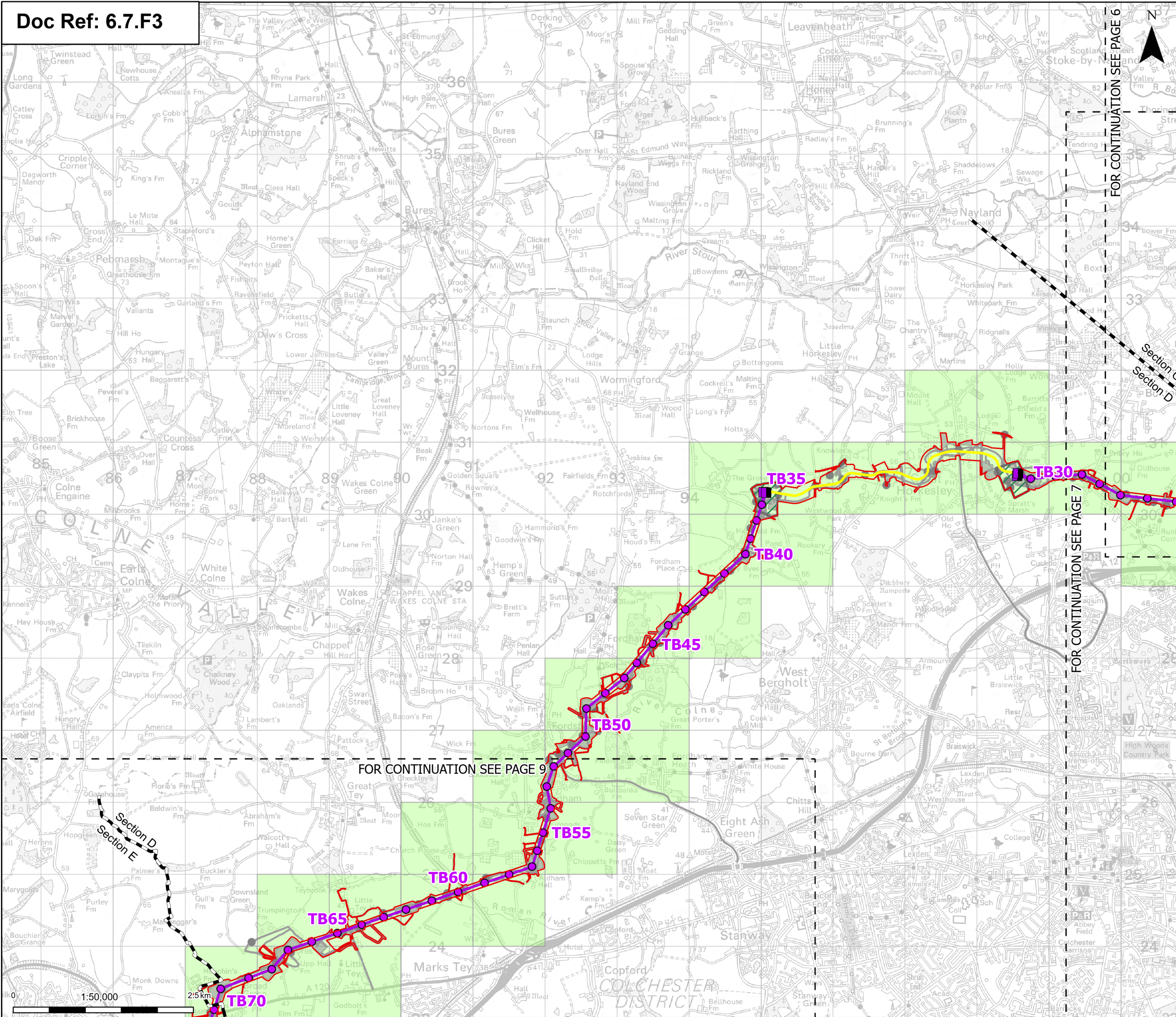
Planning Inspectorate App Number: EN020027
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Title: Figure 7.3 - Air Quality - Background Concentrations (2030)
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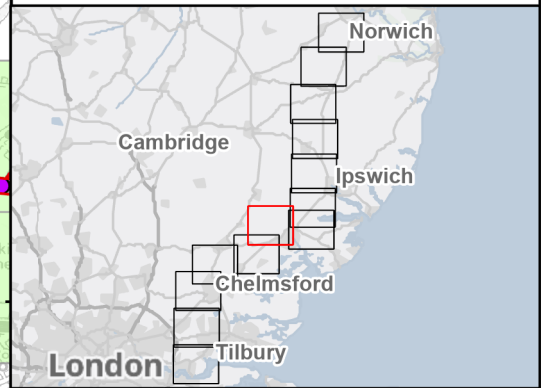
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Legend:

- Order limits
- Sheet index outline
- Project section line
- Proposed project design details**
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works
- Discipline specific constraints**
- 2030 NO₂ background (µg/m³)
- Less than 10 µg/m³

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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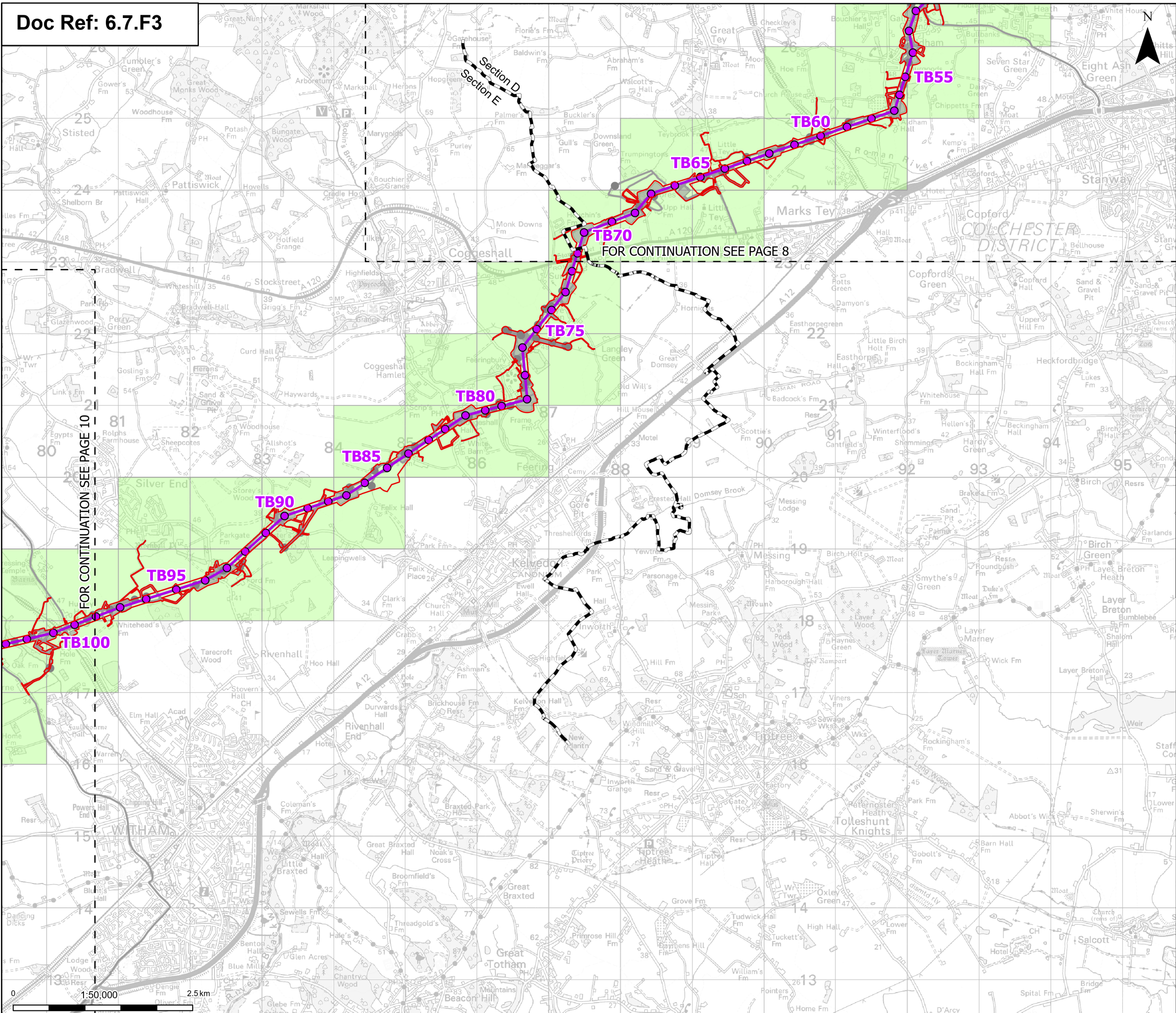
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Background Concentrations (2030)**
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Order limits

- 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

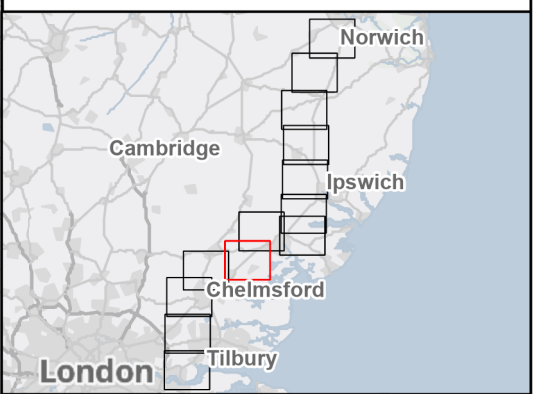
Discipline specific constraints

2030 NO₂ background (µg/m³)

- Less than 10 µg/m³

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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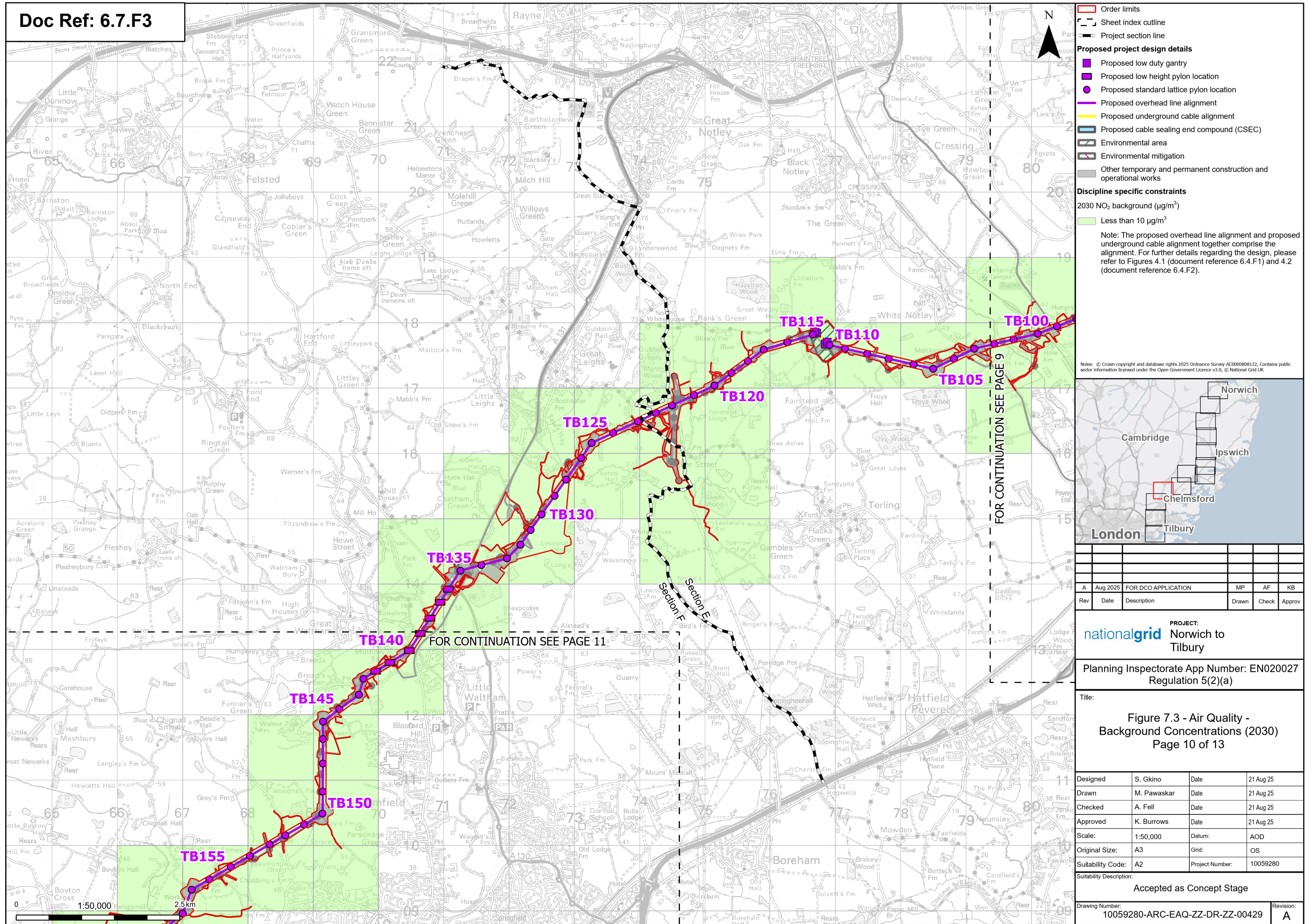
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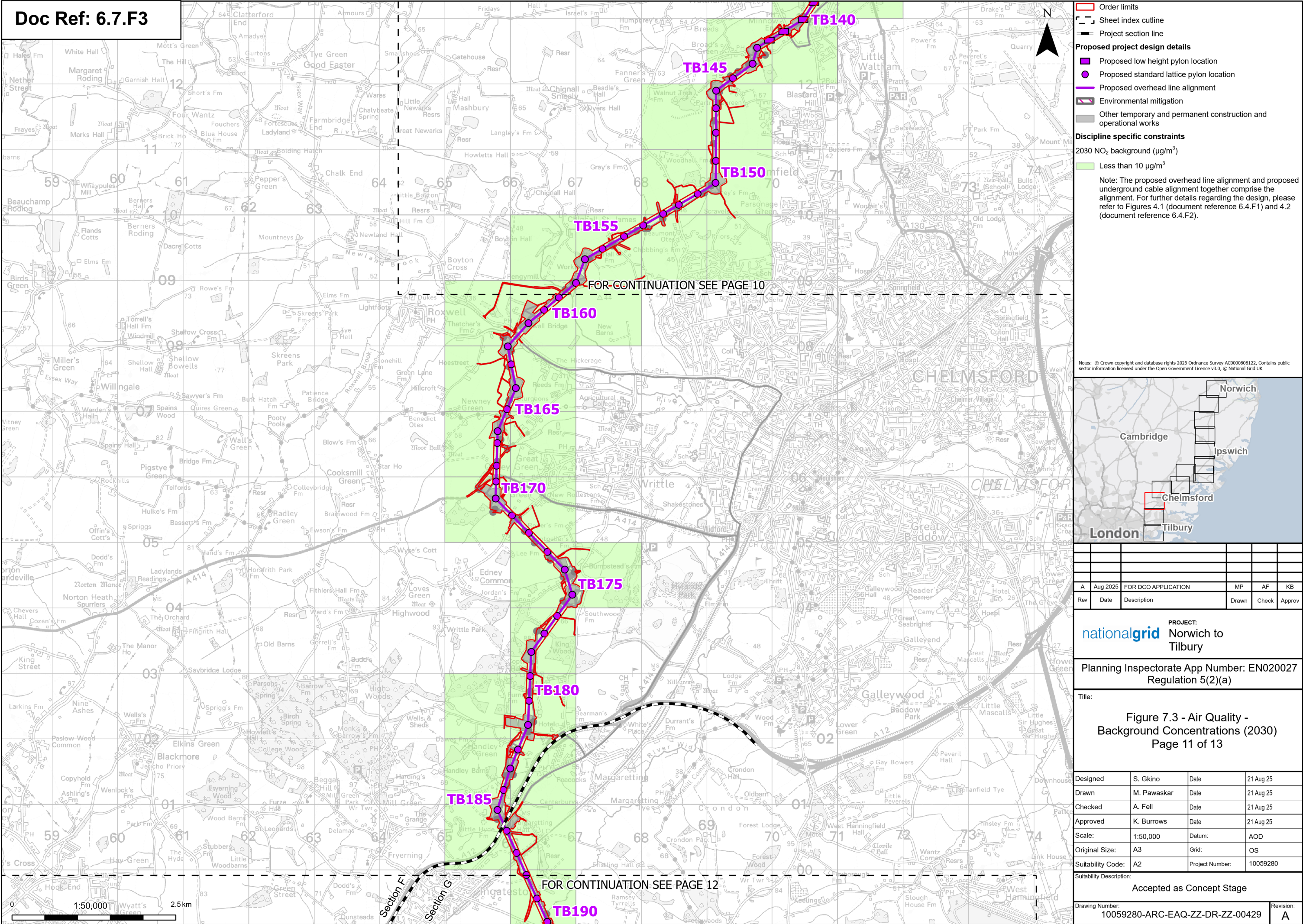
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Figure 7.3 - Air Quality - Background Concentrations (2030)
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Scale:	1:50,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280
Suitability Description:			

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Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed low 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

2030 NO₂ background (µg/m³)

Less than 10 µg/m³

10-20 µg/m³

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

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Figure 7.3 - Air Quality -
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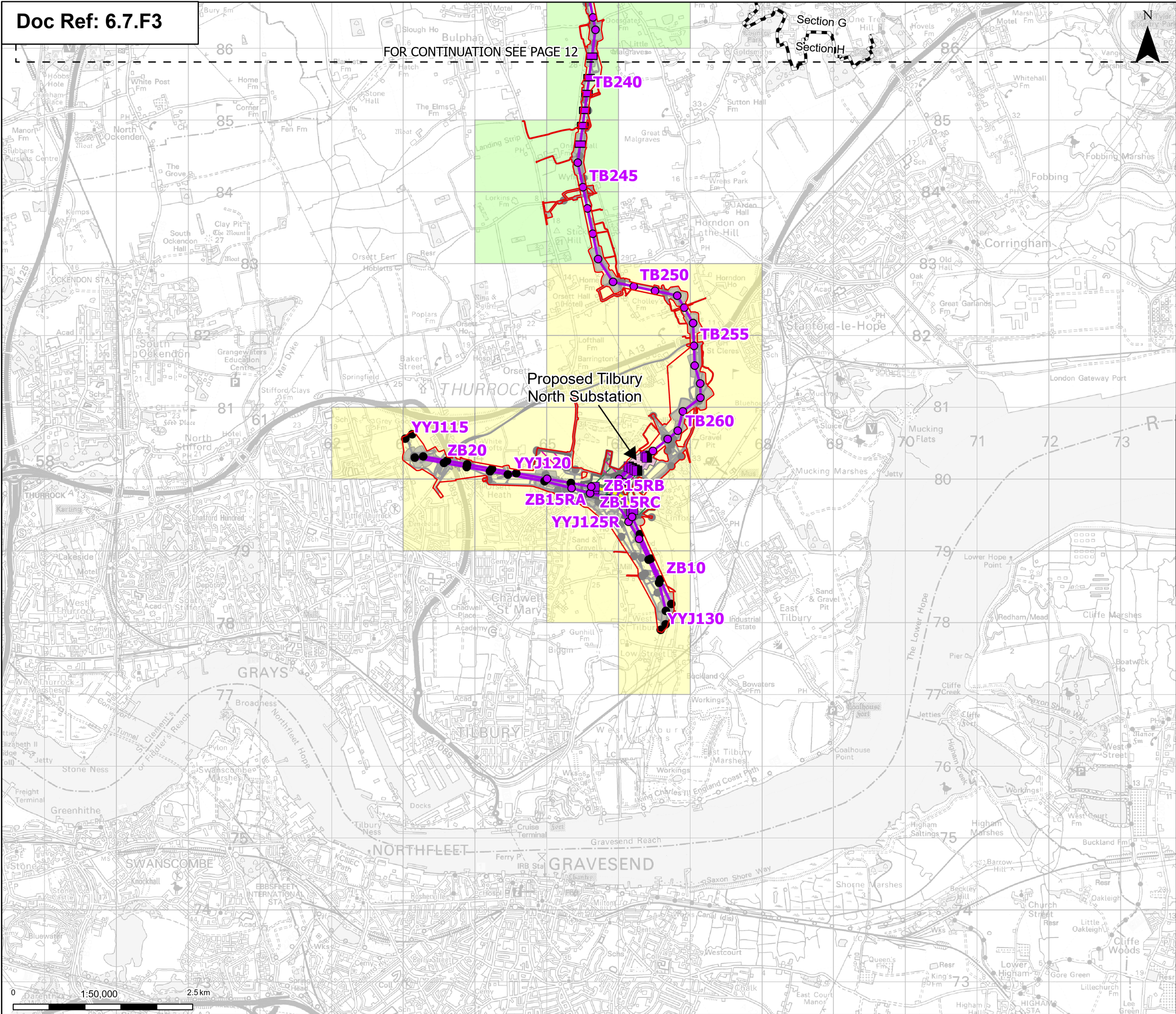
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10059280-ARC-EAQ-ZZ-DR-ZZ-00429

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Order limits

Sheet index outline

Project section line

Proposed project design details

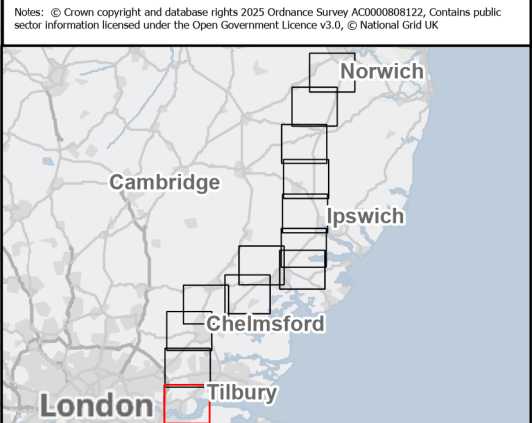
- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed low height pylon location
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing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

Discipline specific constraints

2030 NO₂ background (µg/m³)

- Less than 10 µg/m³
- 10-20 µg/m³

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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