

Norwich to Tilbury

Volume 6: Environmental Statement

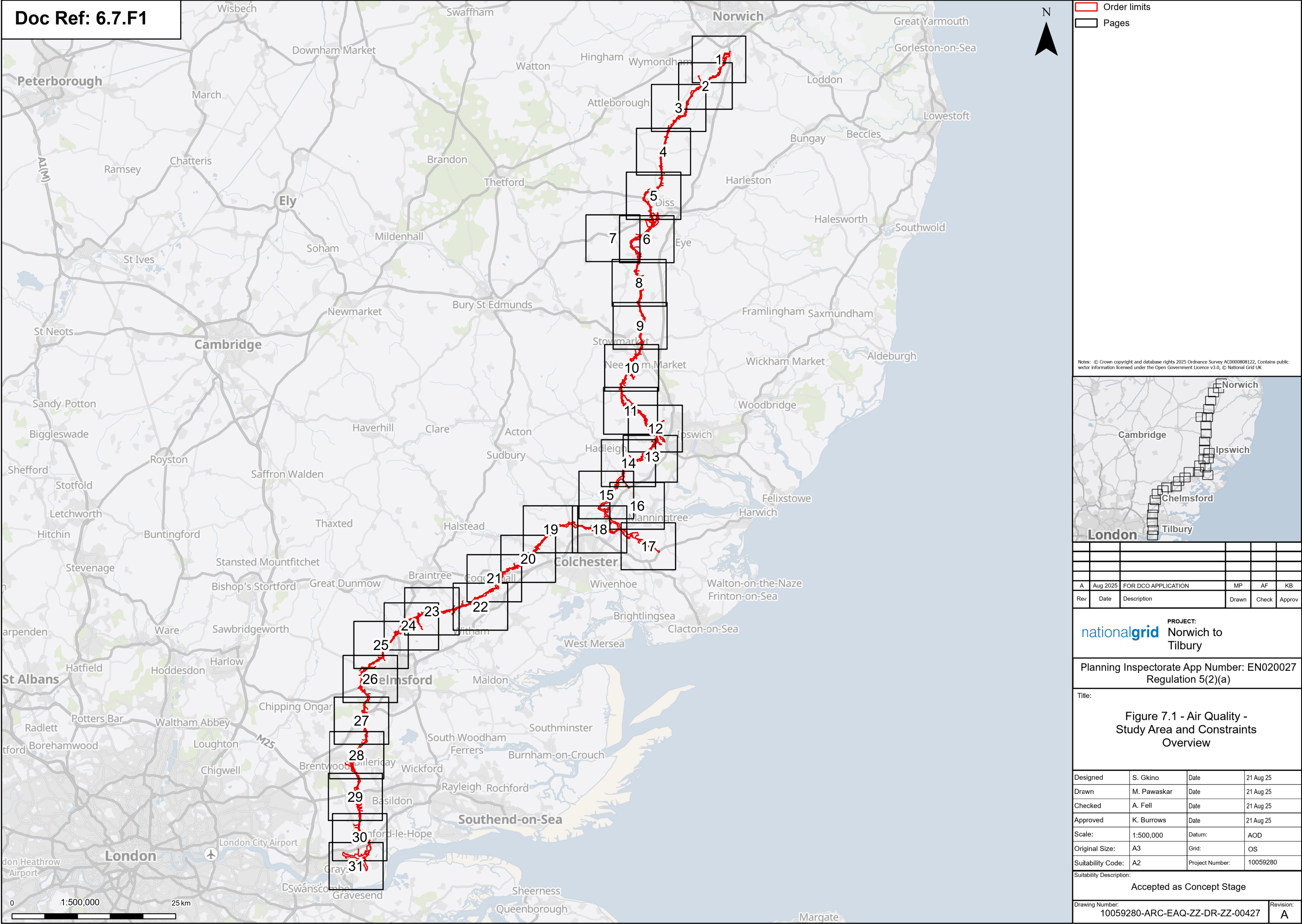
Document: 6.7.F1 Environmental Statement Figure 7.1 - Air Quality Study Area and Constraints

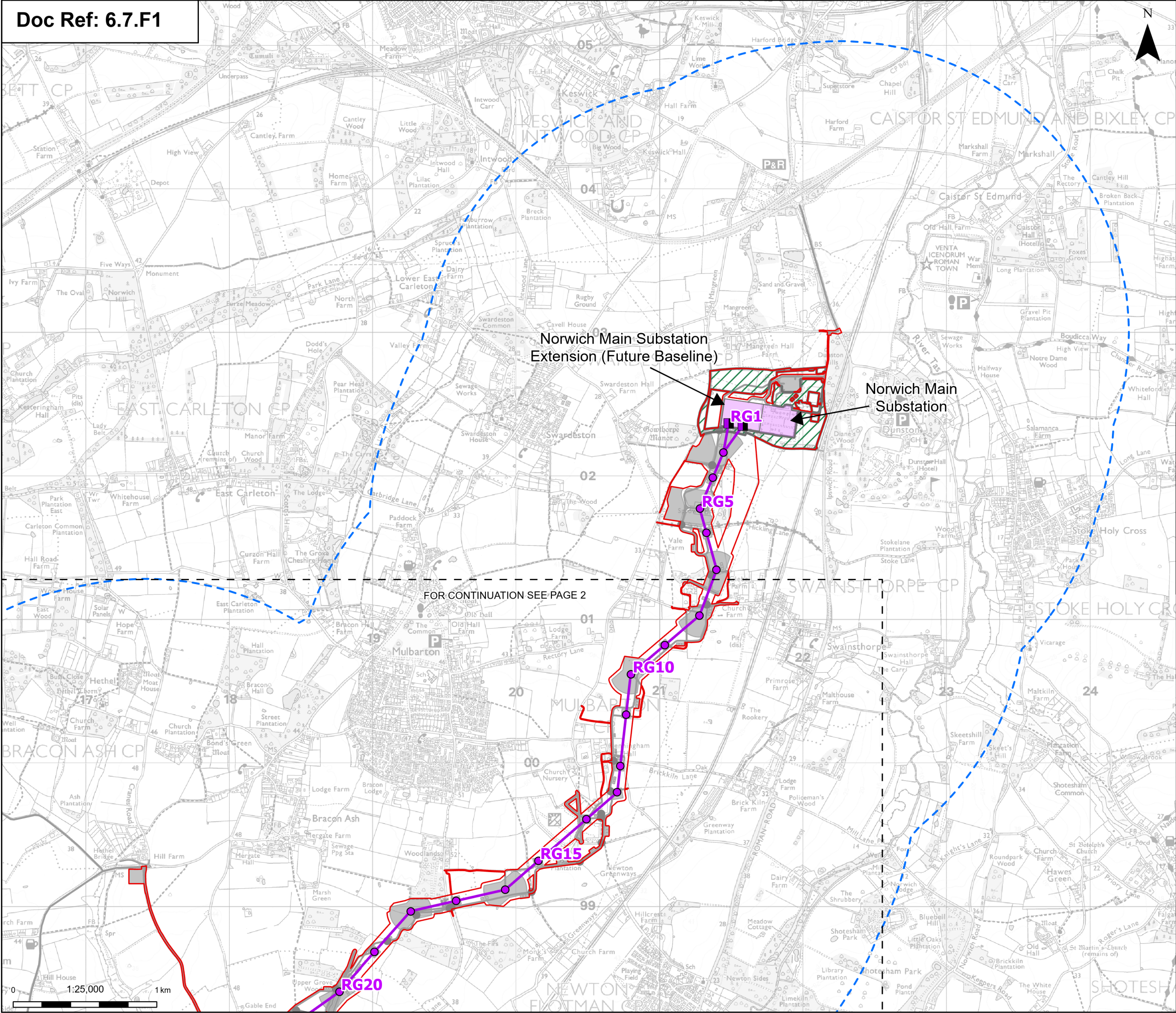
Final Issue A

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

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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 7.1 - Air Quality - Study Area and Constraints
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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 |
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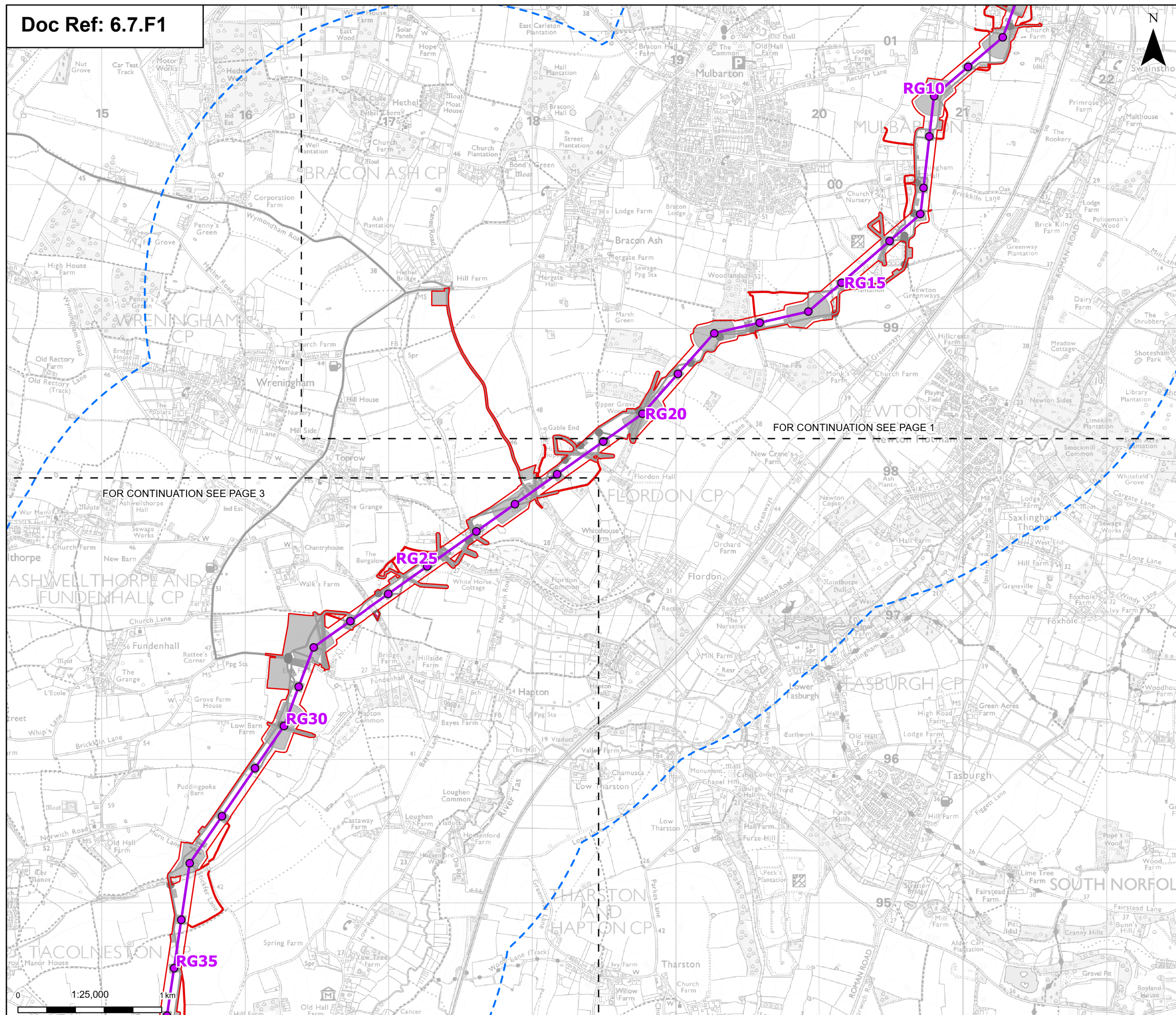
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Drawing Number:


10059280-ARC-EAQ-ZZ-DR-ZZ-00427

Revision:


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 Order limits


 Sheet index outline

Proposed project design details

 Proposed standard lattice pylon location

 Proposed overhead line alignment

 Environmental mitigation

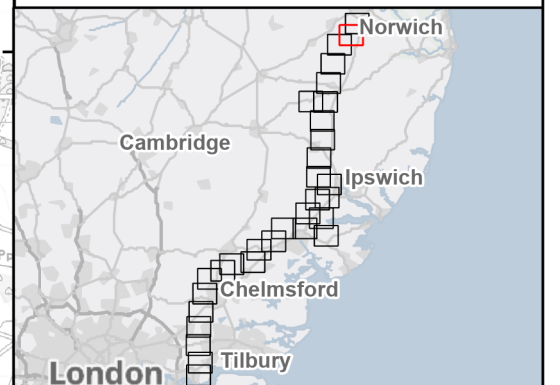
 Other temporary and permanent construction and operational works

Discipline specific constraints

2.2.1 2 km Study Area

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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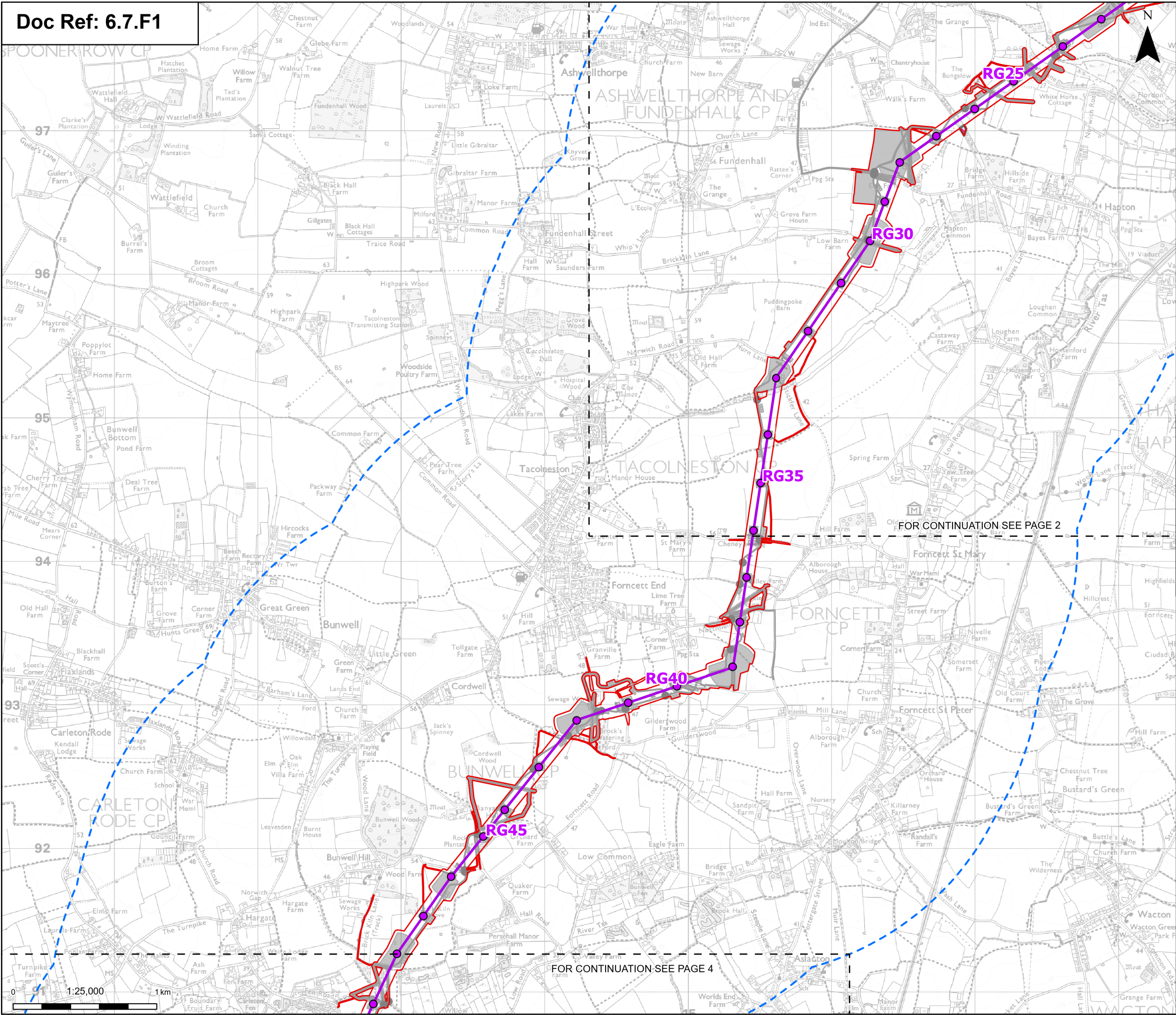
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Order limits

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

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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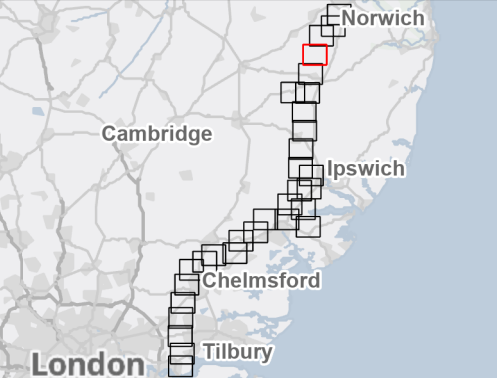
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- Proposed project design details
 - Proposed standard lattice pylon location
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 - Other temporary and permanent construction and operational works

- Discipline specific constraints
 - 2 km Study Area

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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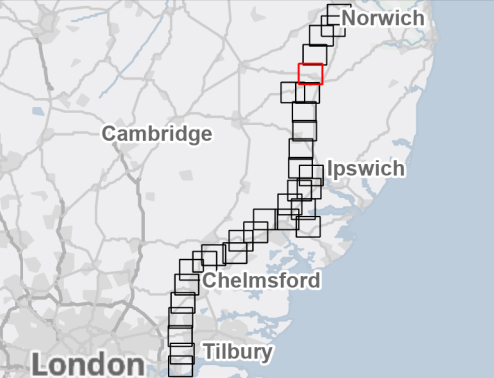
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- Proposed project design details**
- Proposed standard lattice pylon location
 - Proposed overhead line alignment
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 - Other temporary and permanent construction and operational works
- Discipline specific constraints**
- 2 km Study Area
 - Diffusion tubes

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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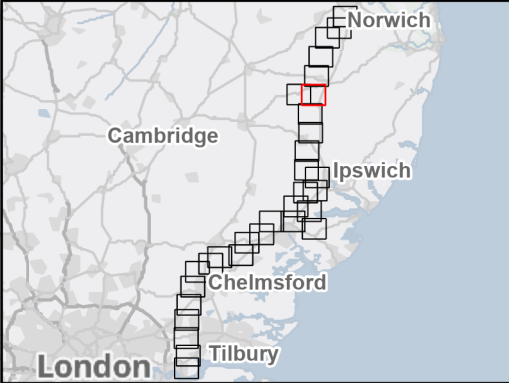
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- Sheet index outline
- Proposed project design details**
 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Environmental mitigation
 - Other temporary and permanent construction and operational works

- Discipline specific constraints**
 - 2 km Study Area
- 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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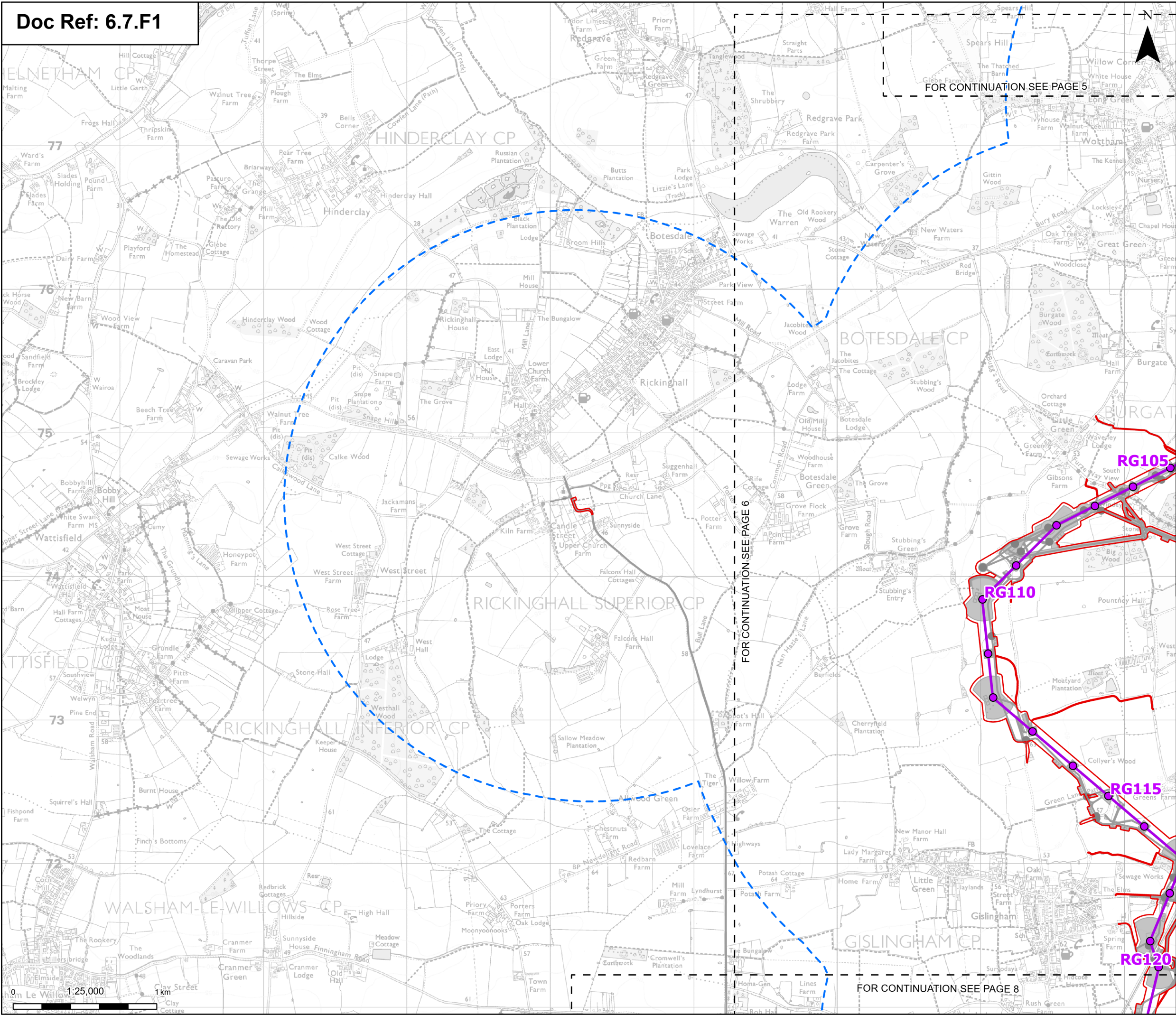
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Order limits

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

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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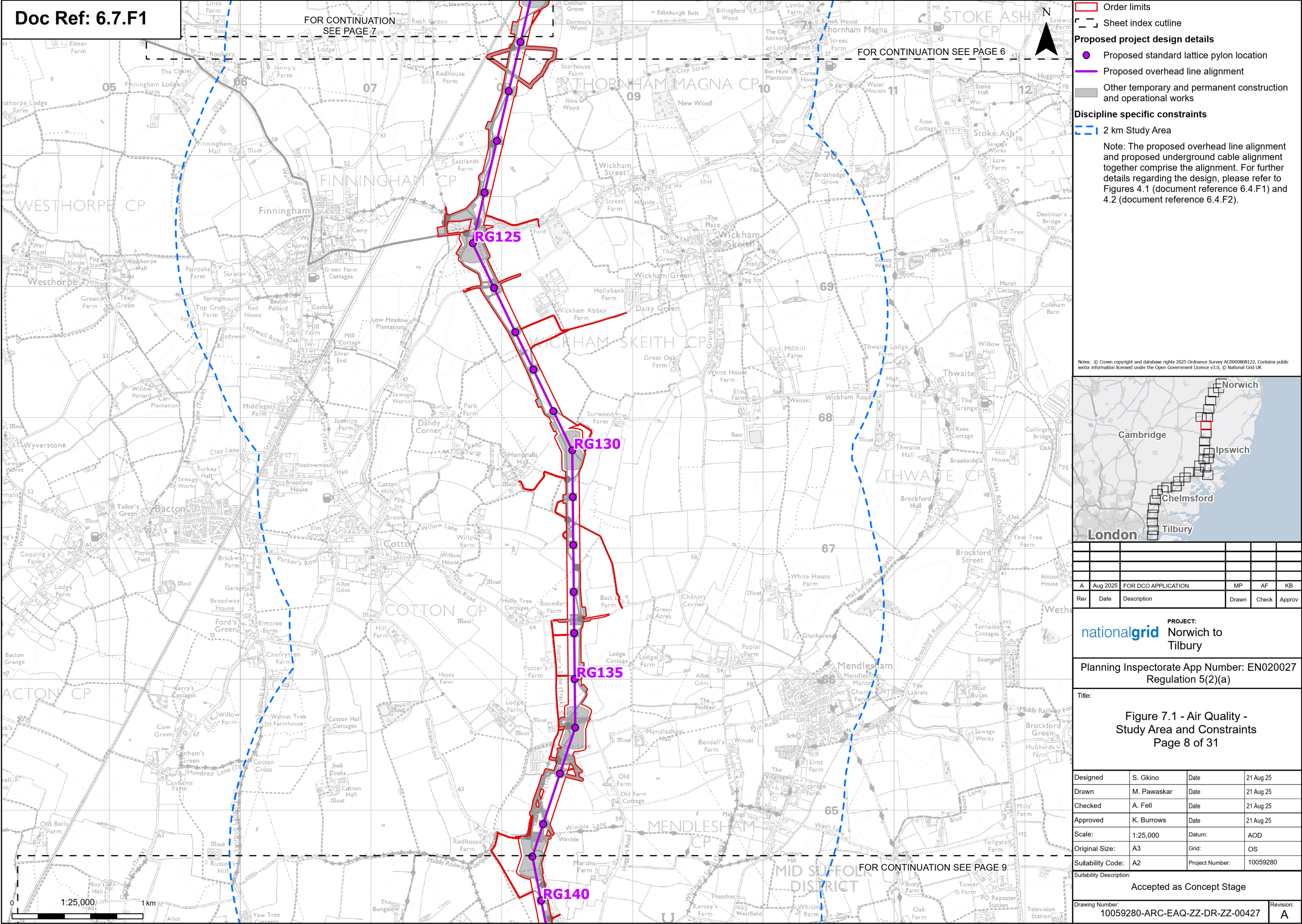
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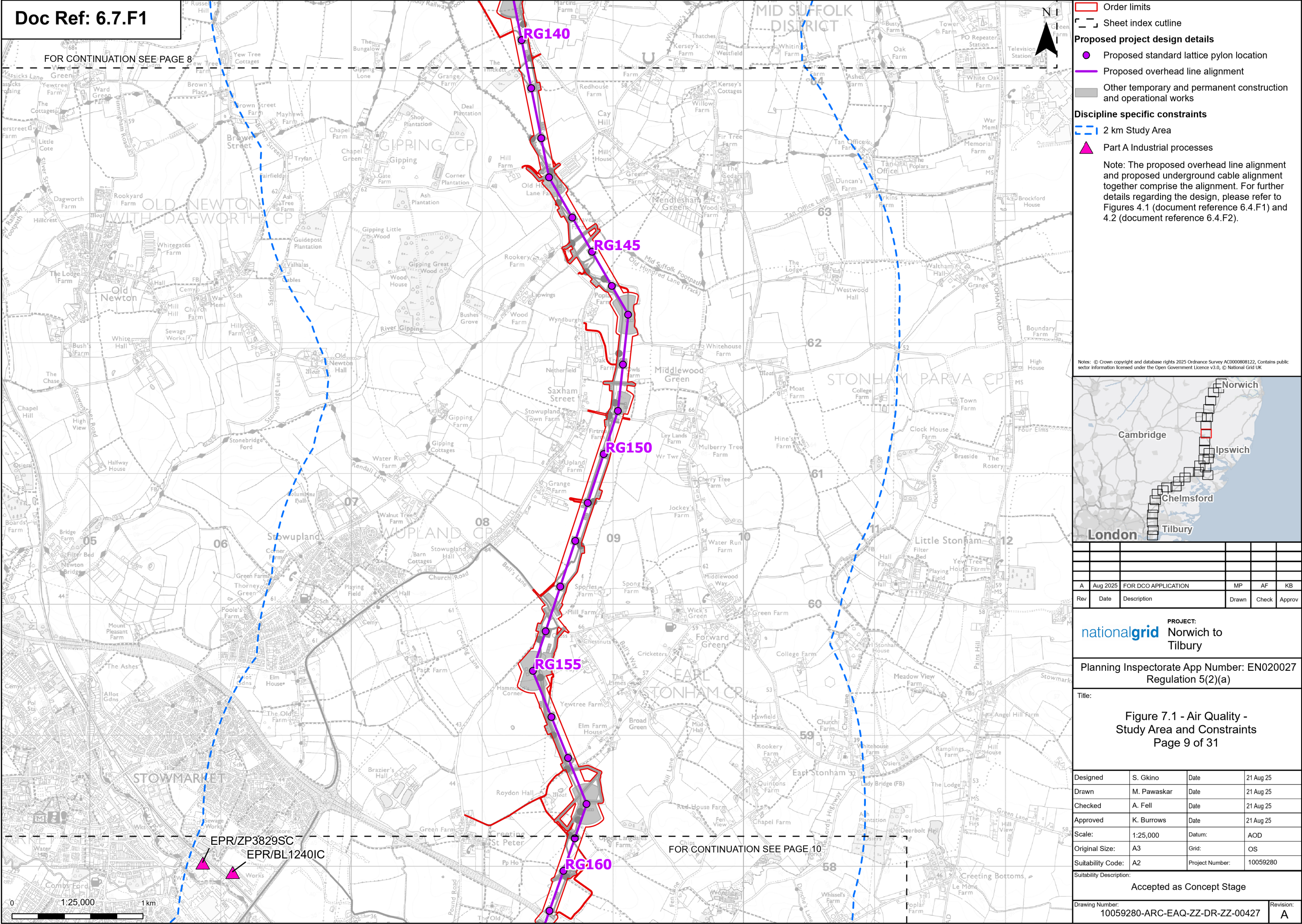
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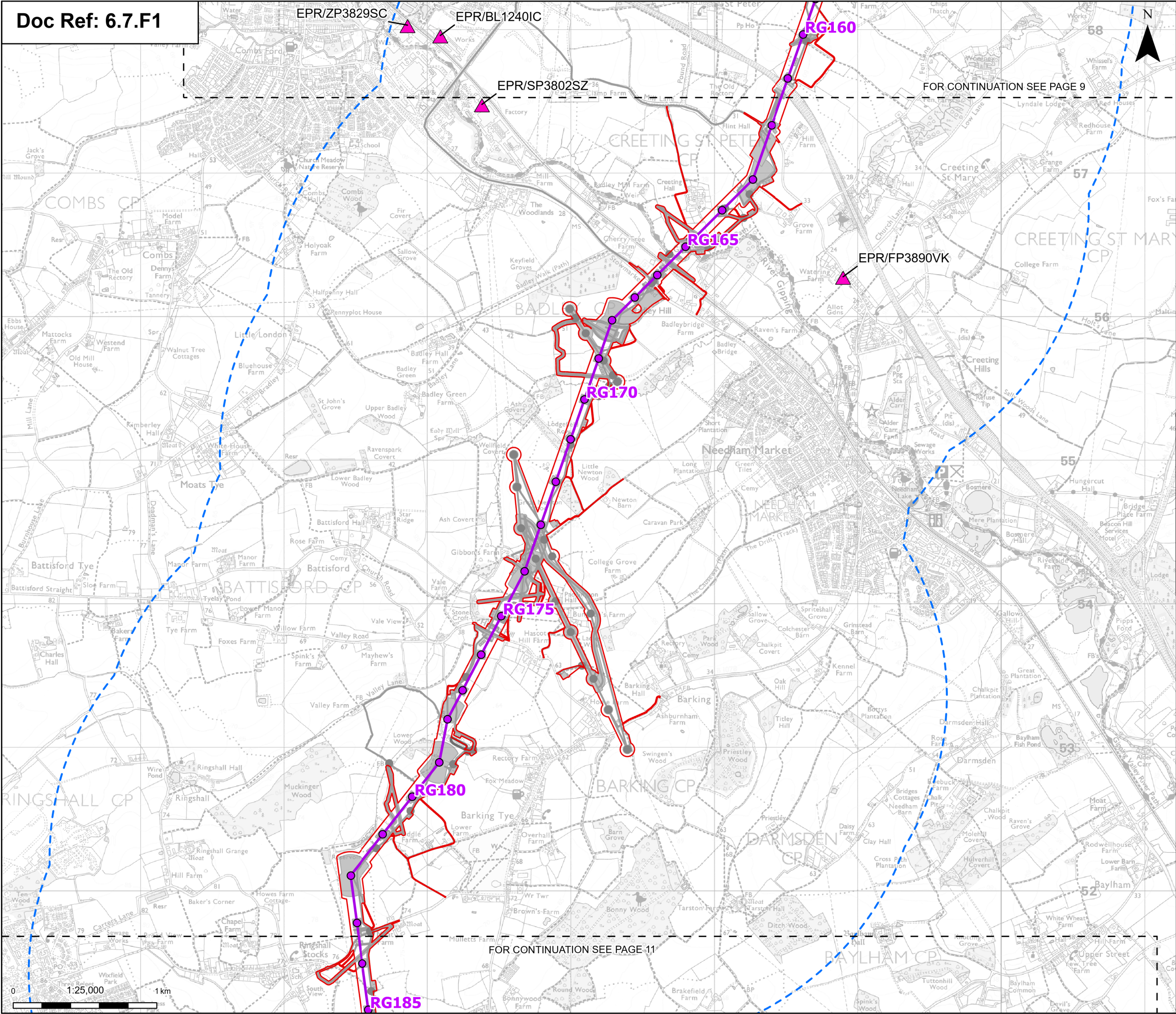
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Order limits

Sheet index cutline

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

2 km Study Area

Part A Industrial processes

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

Planning Inspectorate App Number: EN020027

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Figure 7.1 - Air Quality - Study Area and Constraints

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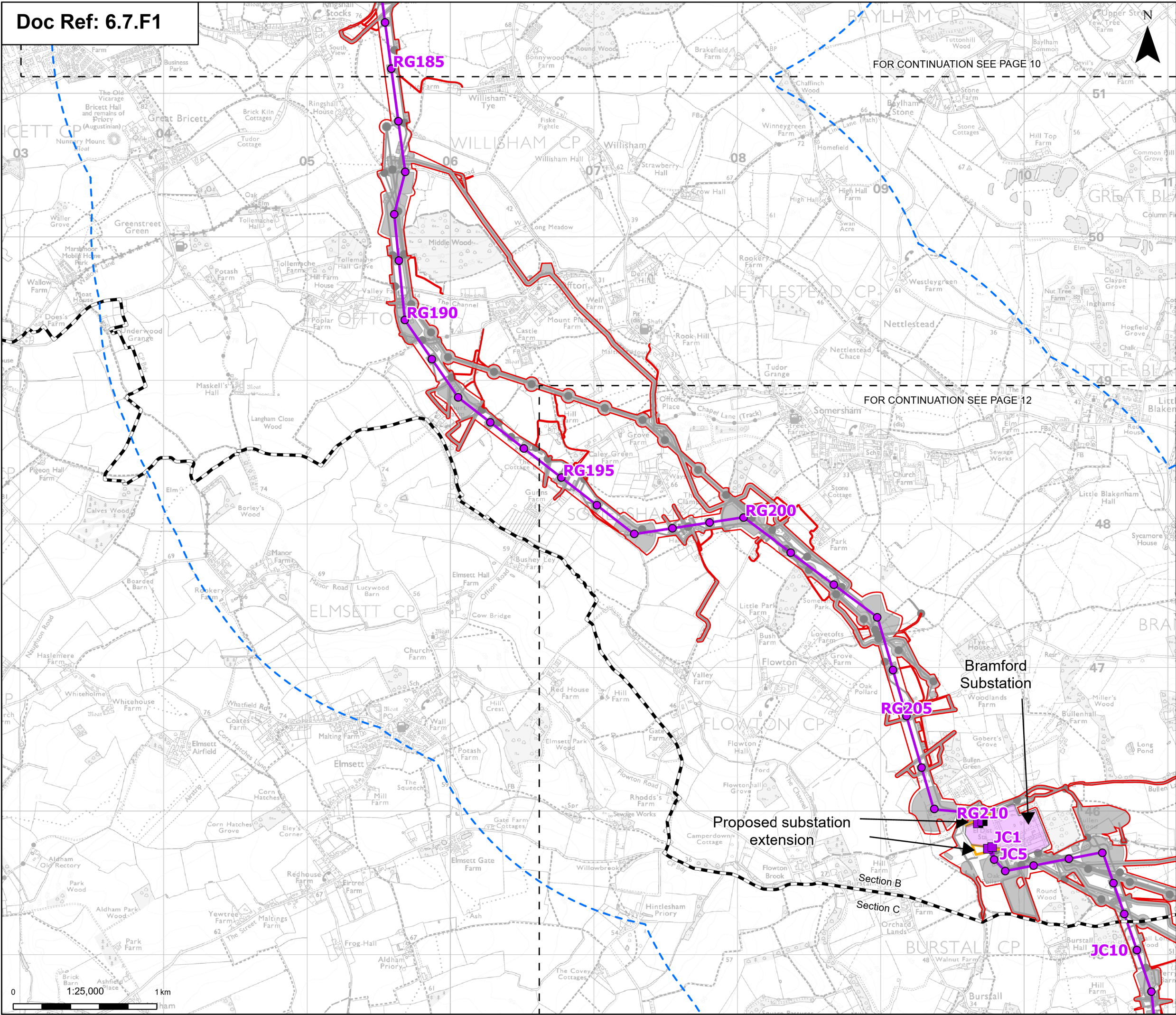
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Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed full line tension gantry

Proposed low duty gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Bramford Substation

Bramford Substation Extension

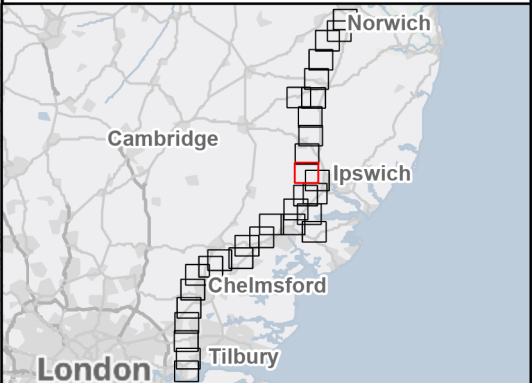
Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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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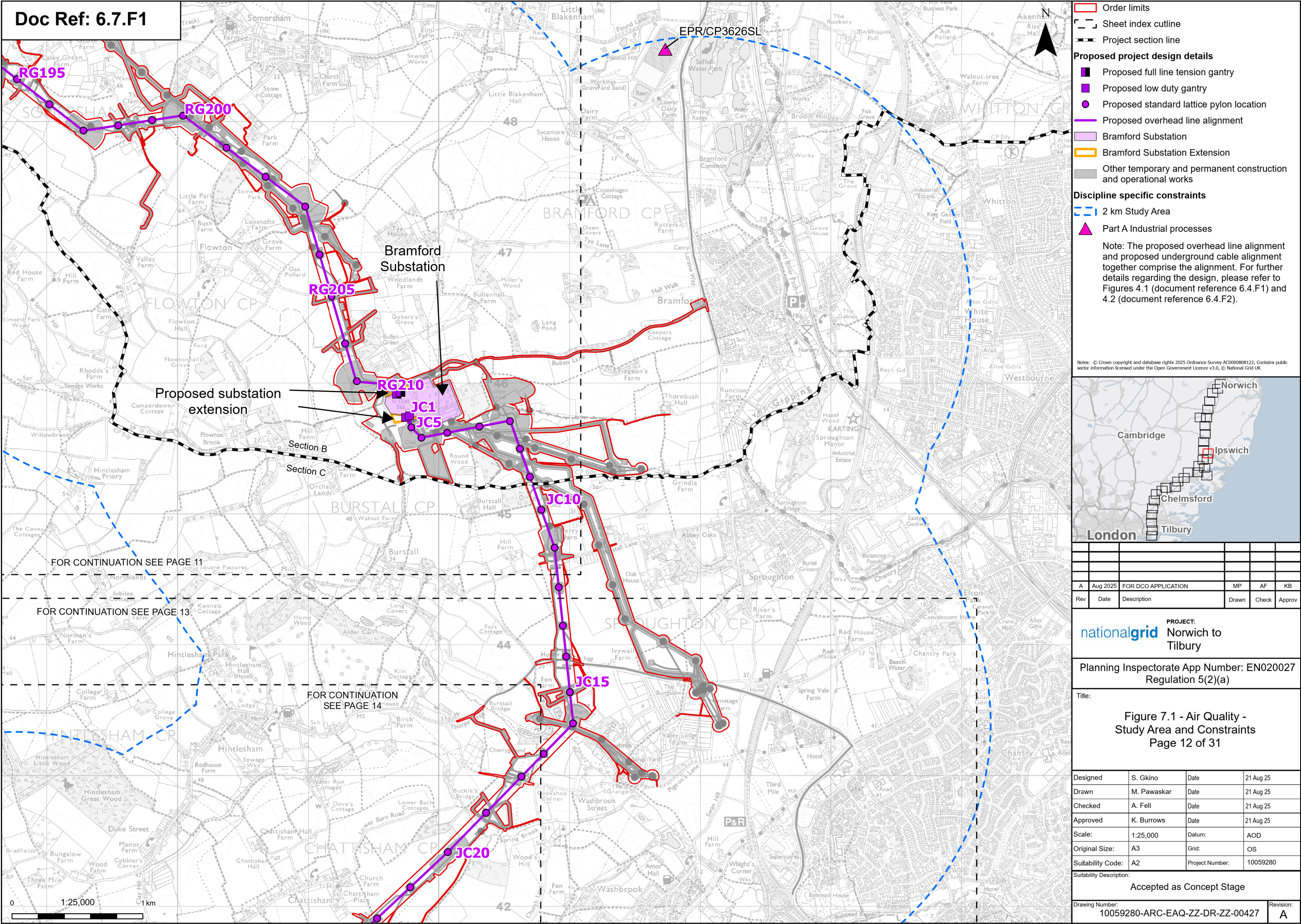
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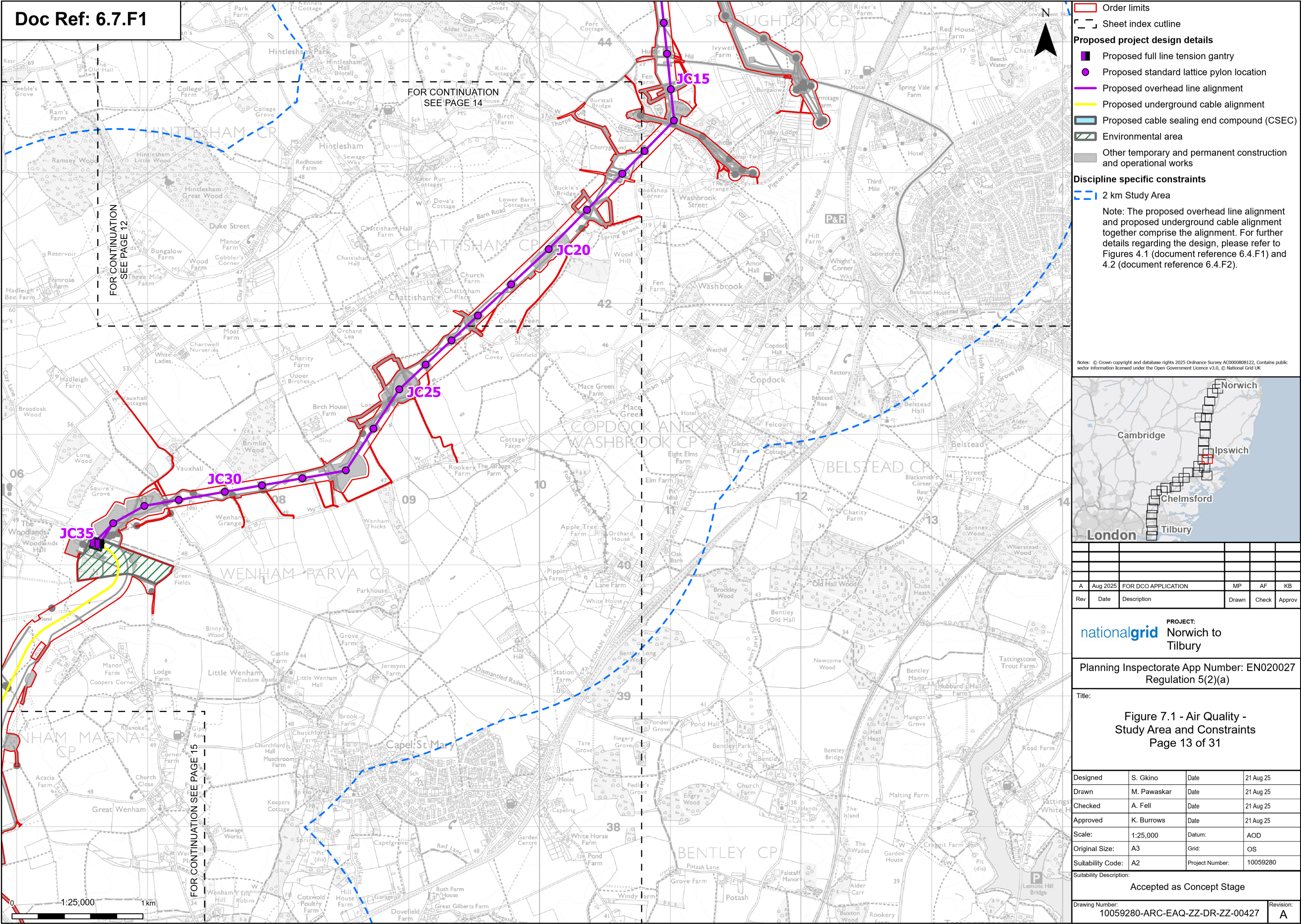
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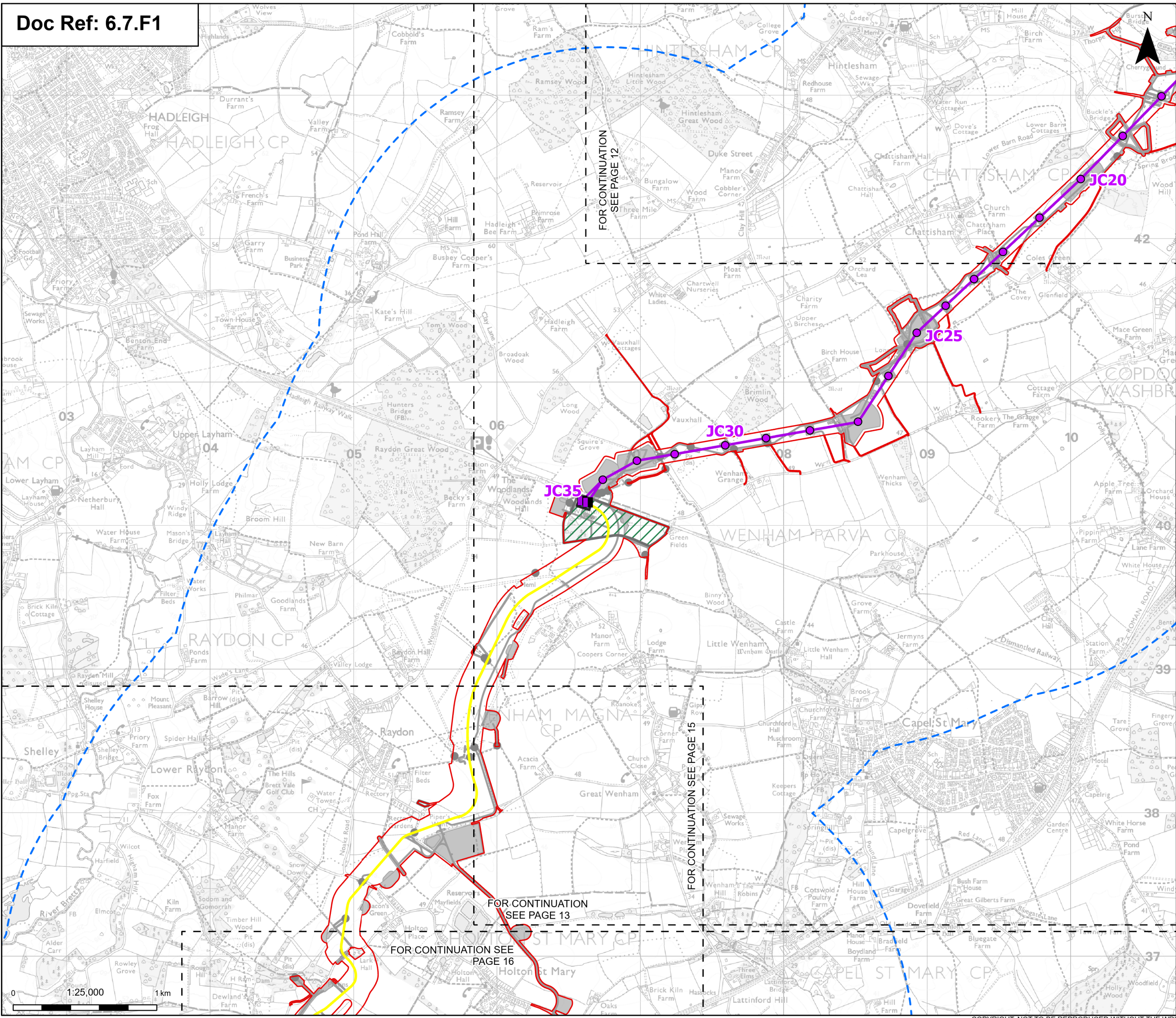
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Order limits

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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

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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Figure 7.1 - Air Quality - Study Area and Constraints
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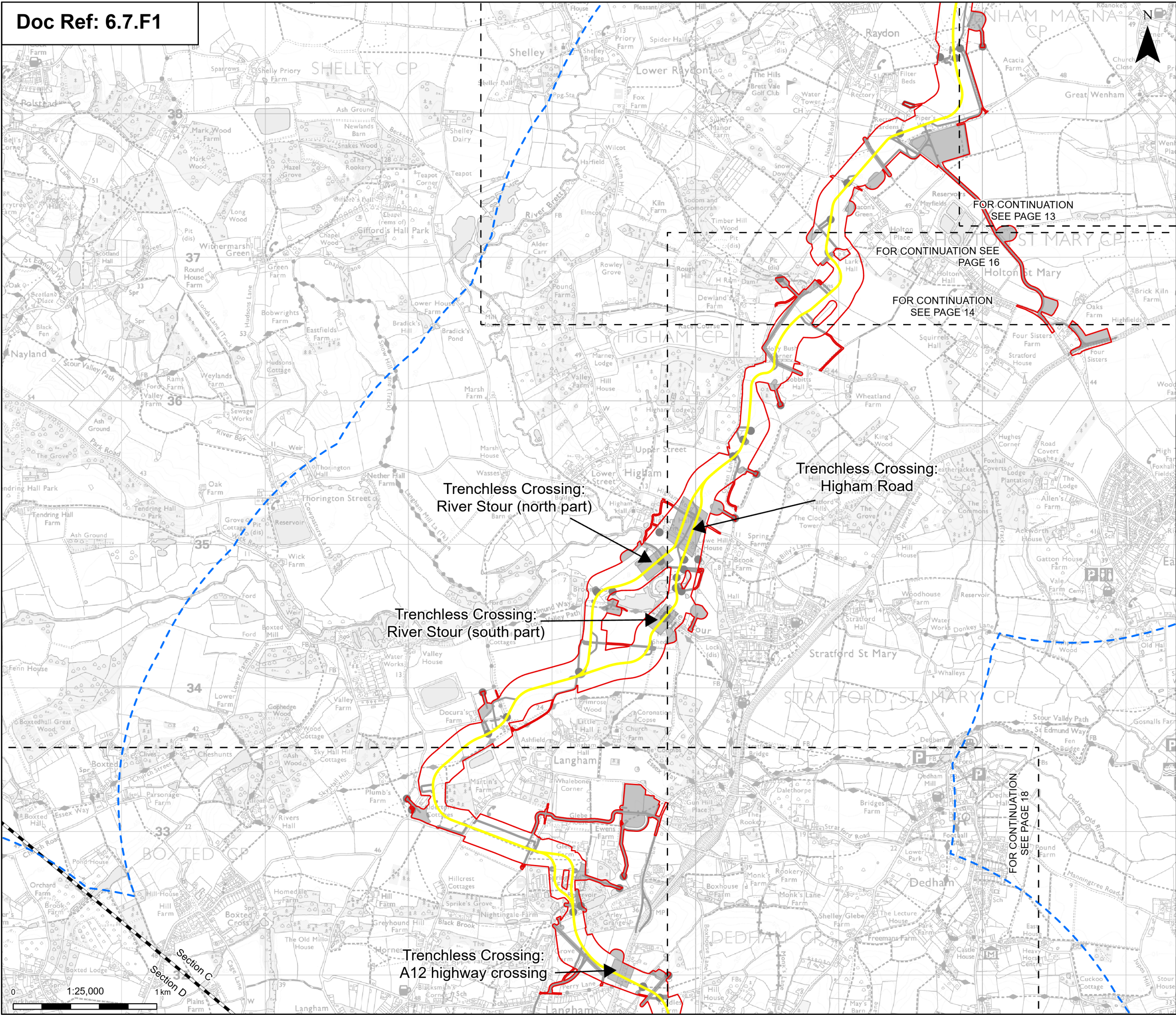
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Order limits

Sheet index outline

Project section line

Proposed project design details

Proposed underground cable alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

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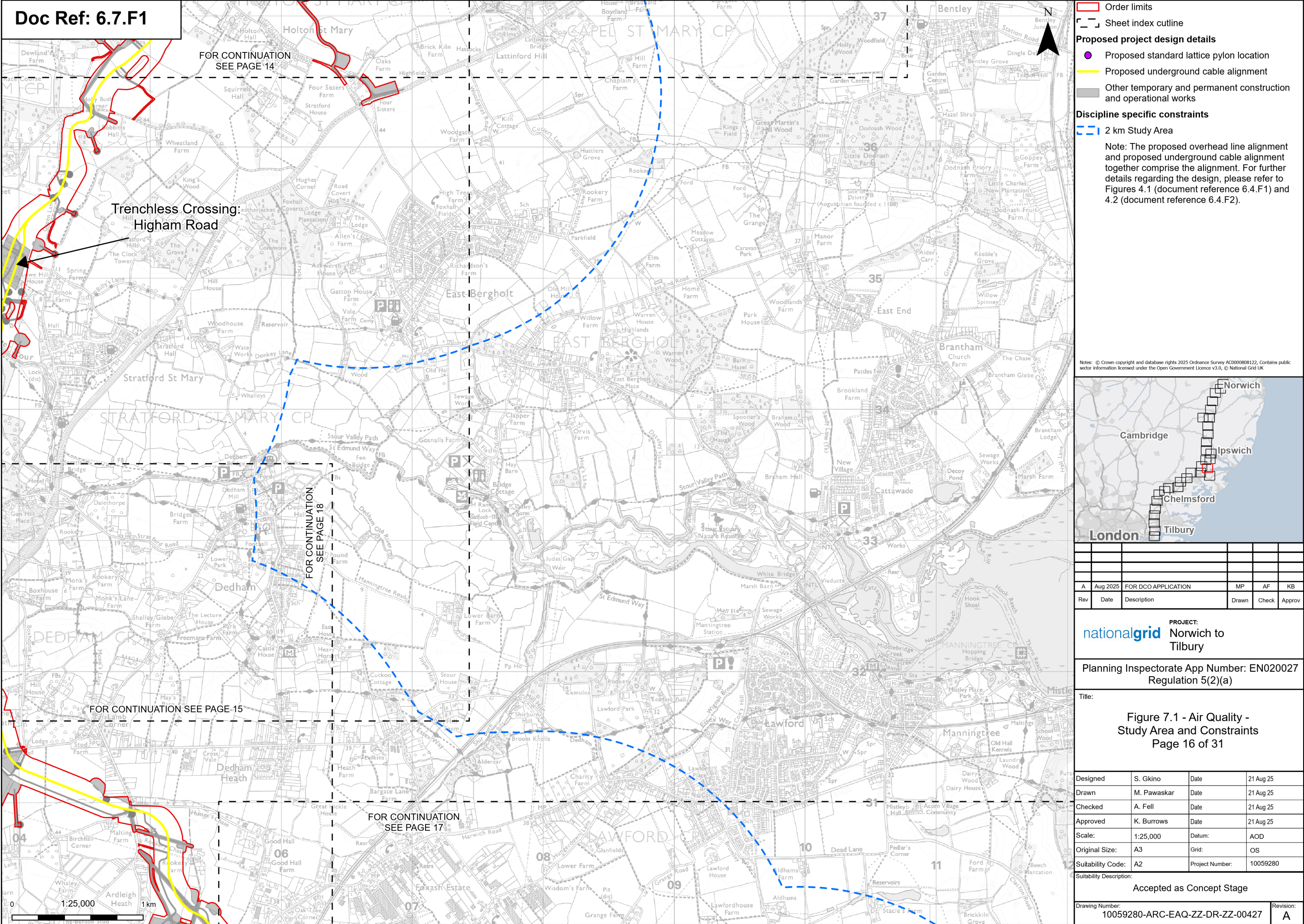
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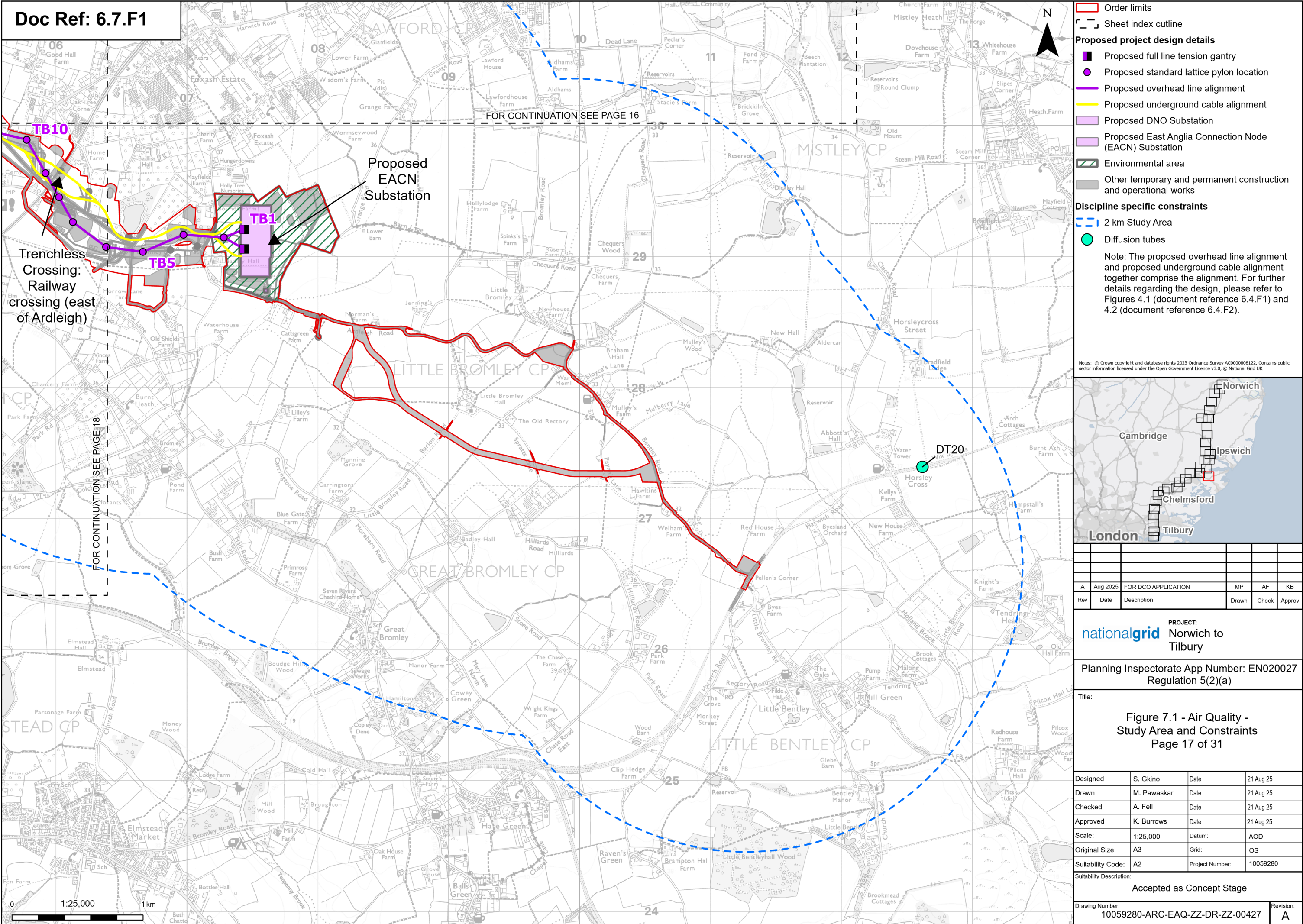
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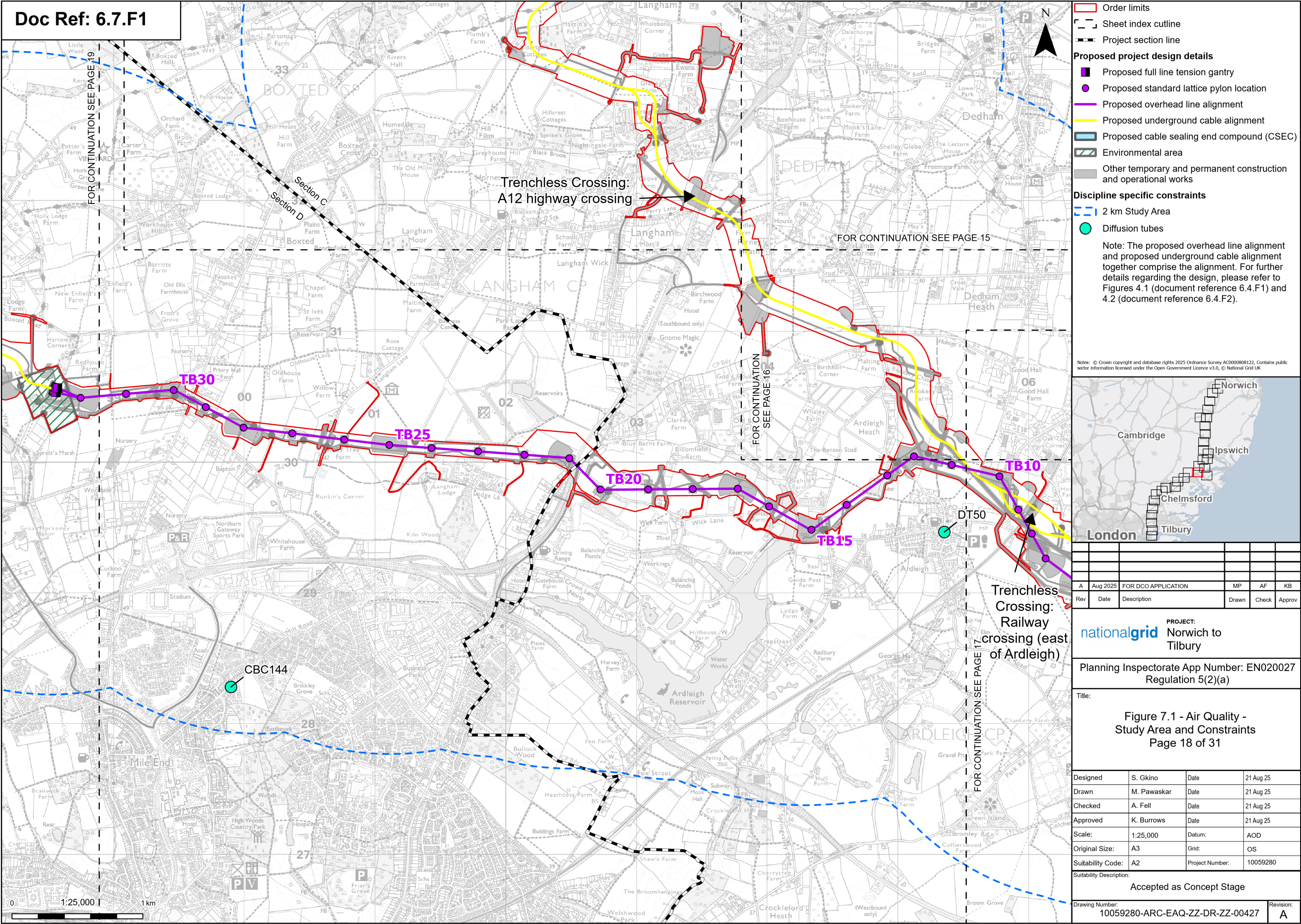
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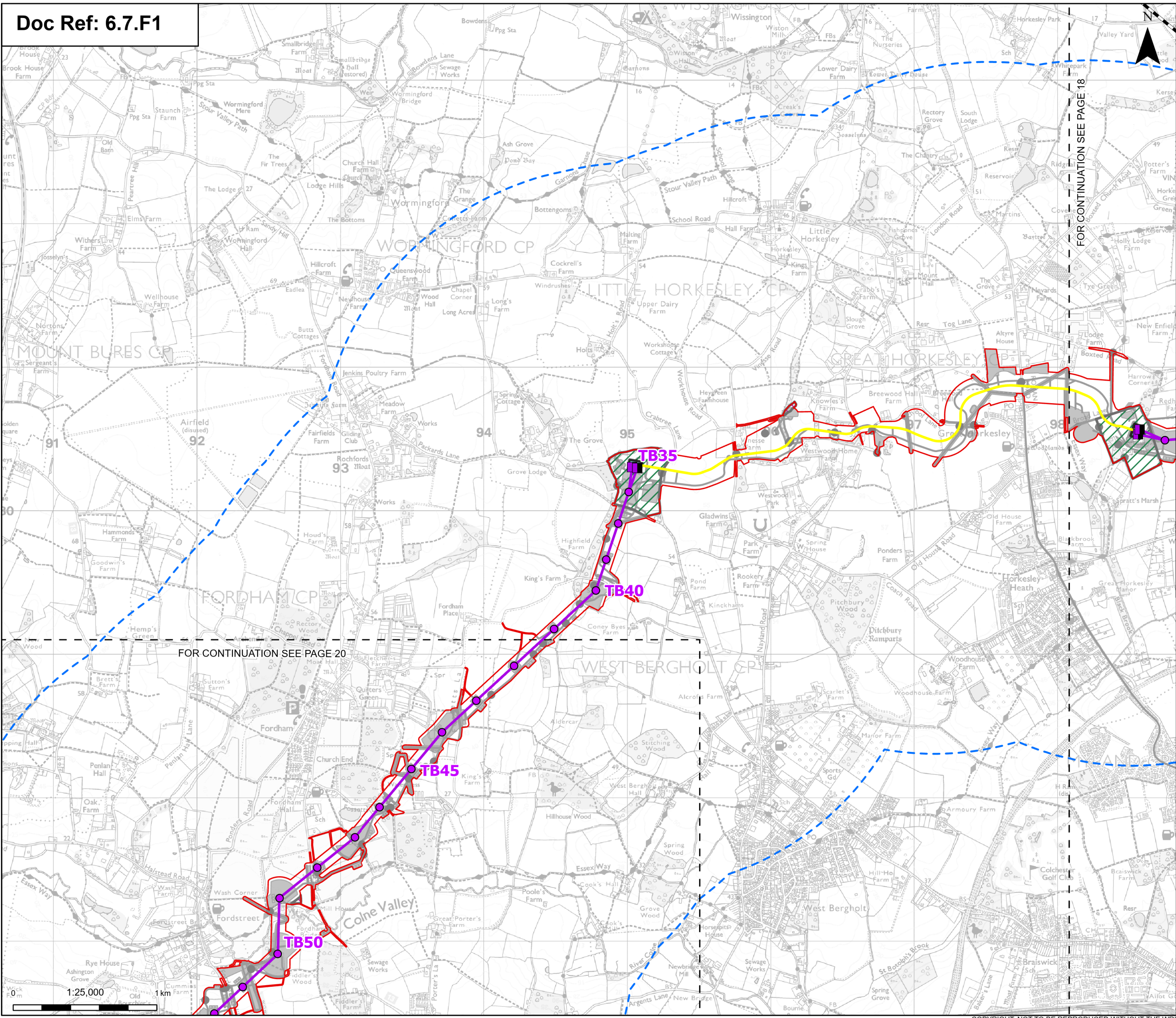
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Order limits

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Project section line

Proposed project design details

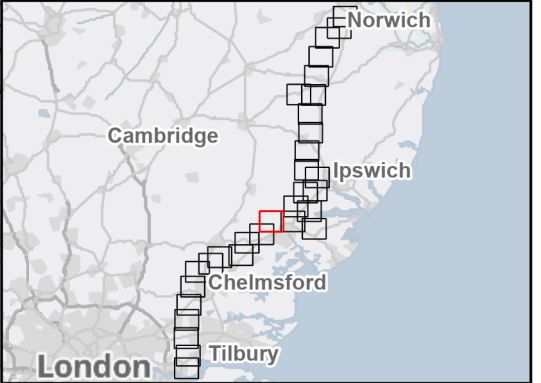
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

Discipline specific constraints

2 km Study Area

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Regulation 5(2)(a)

Title:

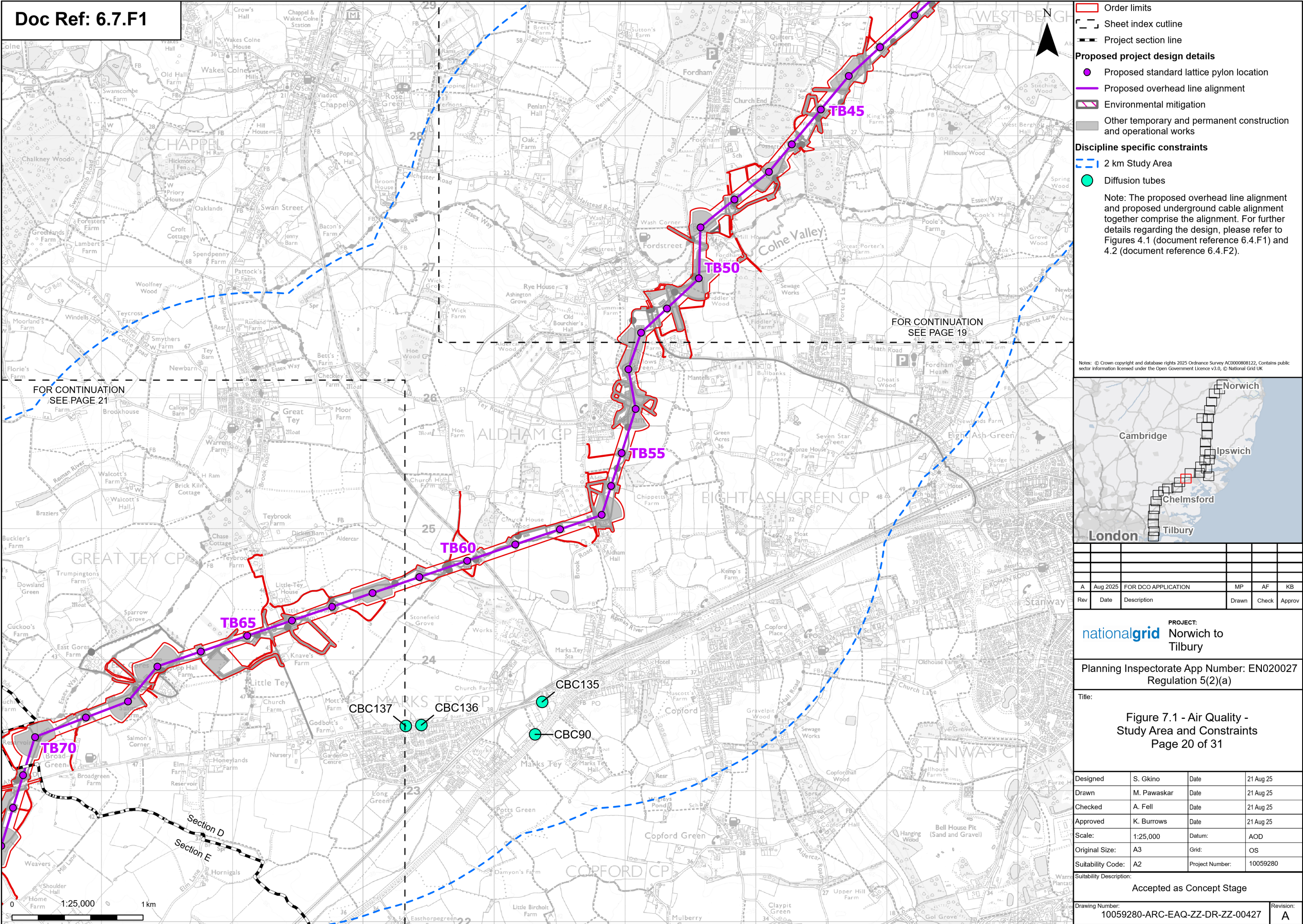
Figure 7.1 - Air Quality - Study Area and Constraints
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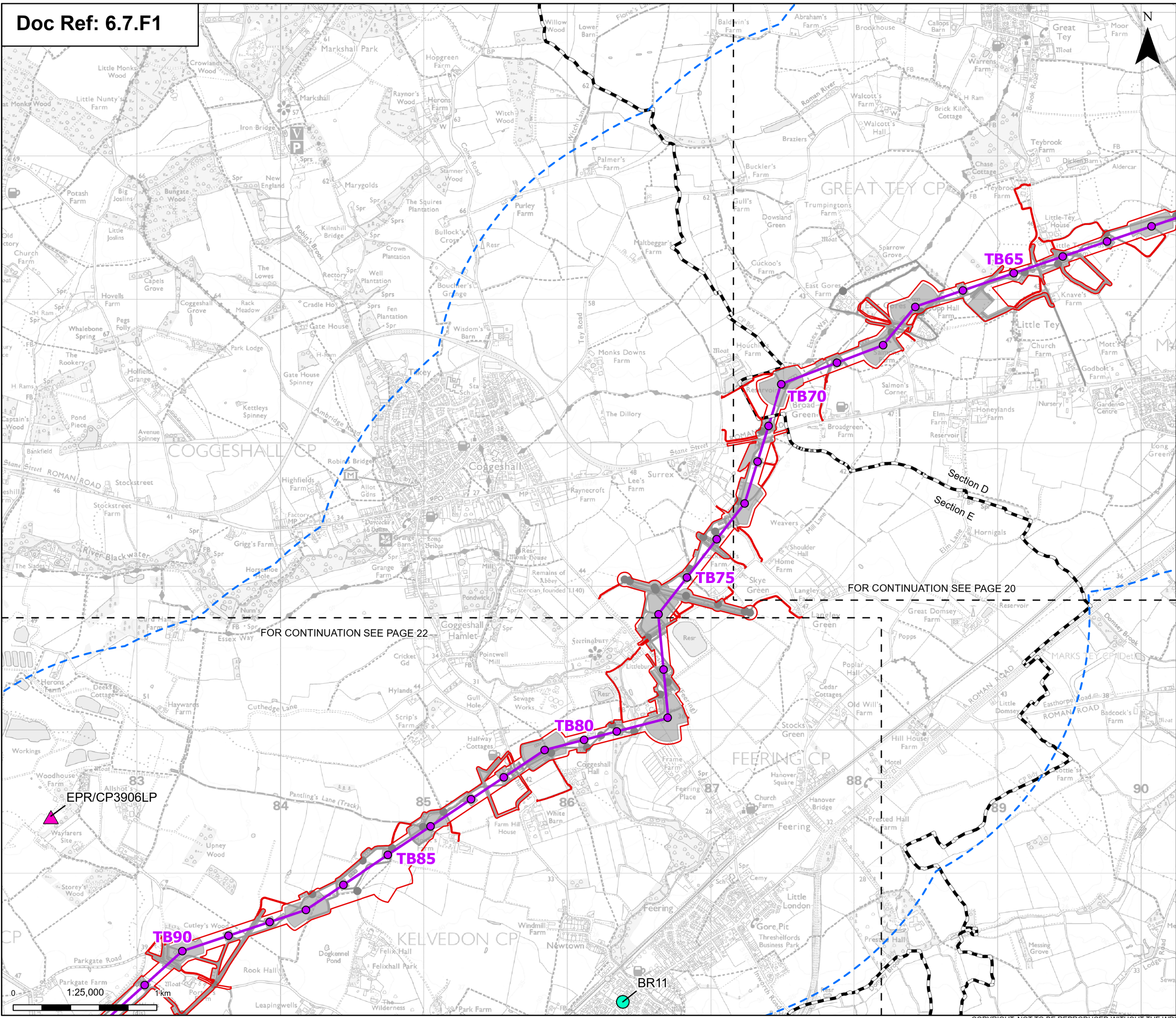
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| Designed | S. Gkino | Date | 21 Aug 25 |
| Drawn | M. Pawaskar | Date | 21 Aug 25 |
| Checked | A. Fell | Date | 21 Aug 25 |
| Approved | K. Burrows | Date | 21 Aug 25 |
| Scale: | 1:25,000 | Datum: | AOD |
| Original Size: | A3 | Grid: | OS |
| Suitability Code: | A2 | Project Number: | 10059280 |

Suitability Description:

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| Drawing Number: | 10059280-ARC-EAQ-ZZ-DR-ZZ-00427 | Revision: | A |
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Order limits
Sheet index cutline
Project section line

Proposed project design details

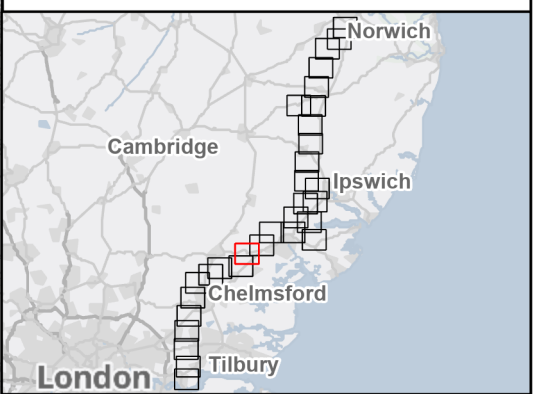
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Part A Industrial processes
- Diffusion tubes

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)

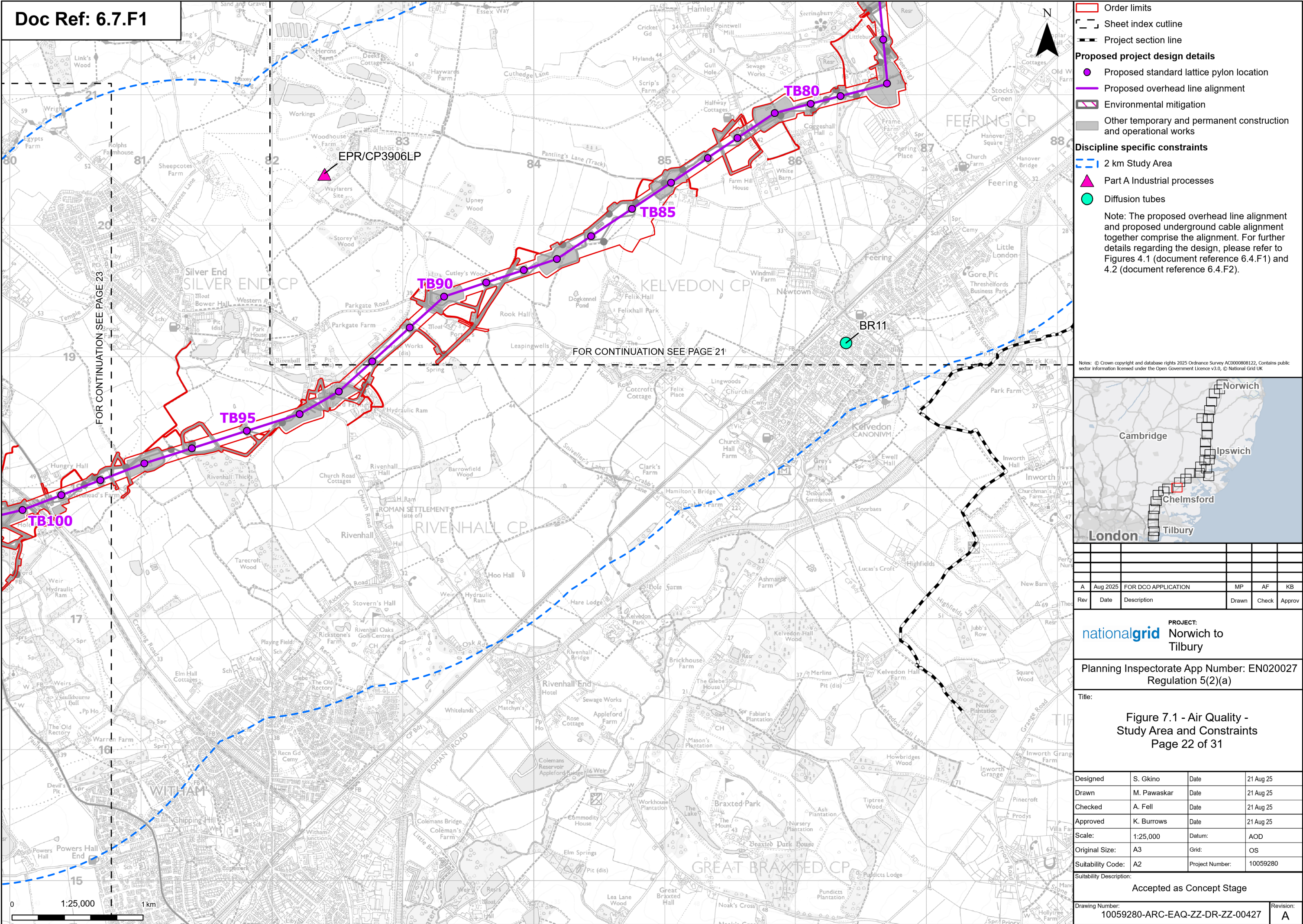
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Figure 7.1 - Air Quality - Study Area and Constraints
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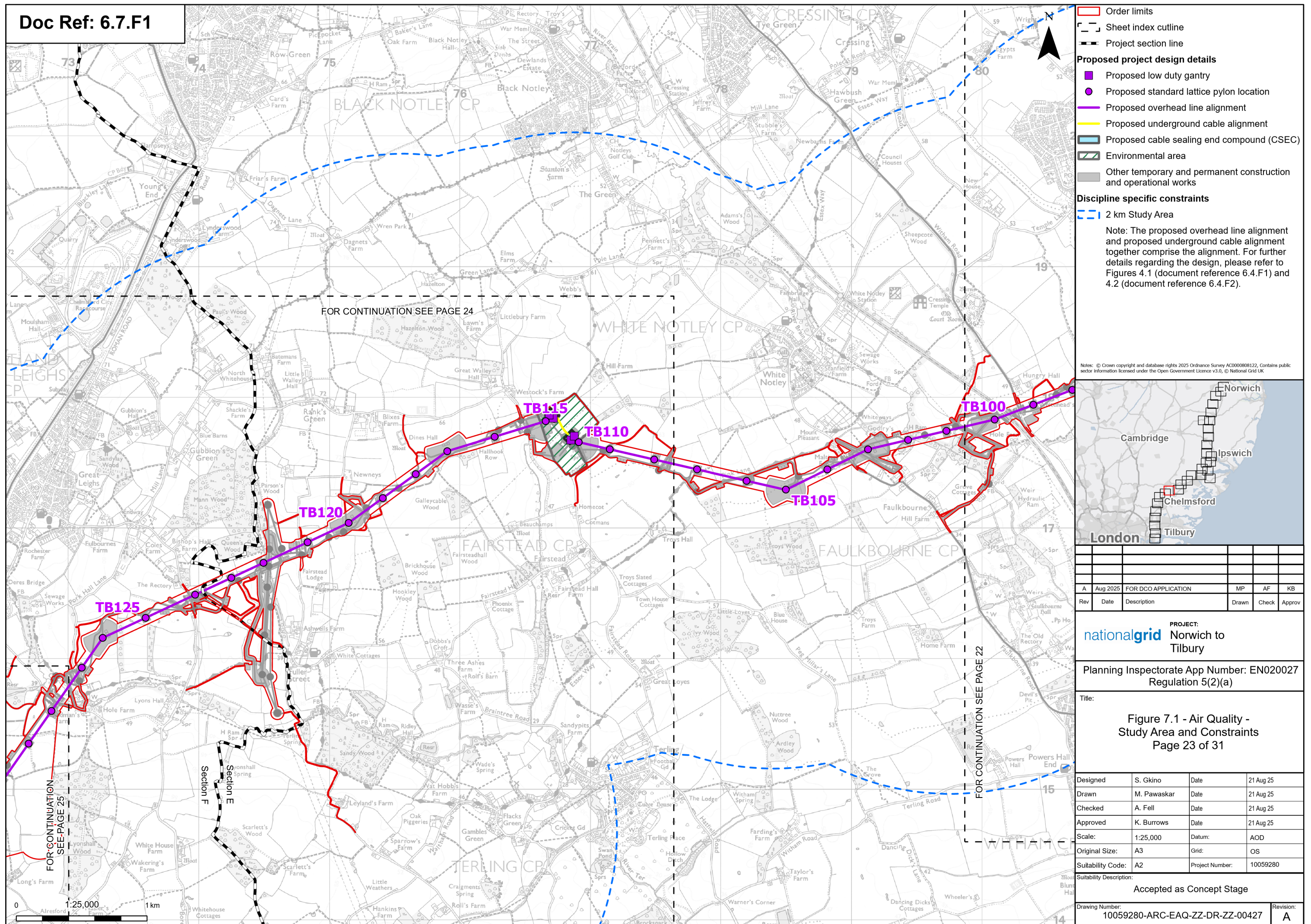
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| Suitability Code: | A2 | Project Number: | 10059280 |

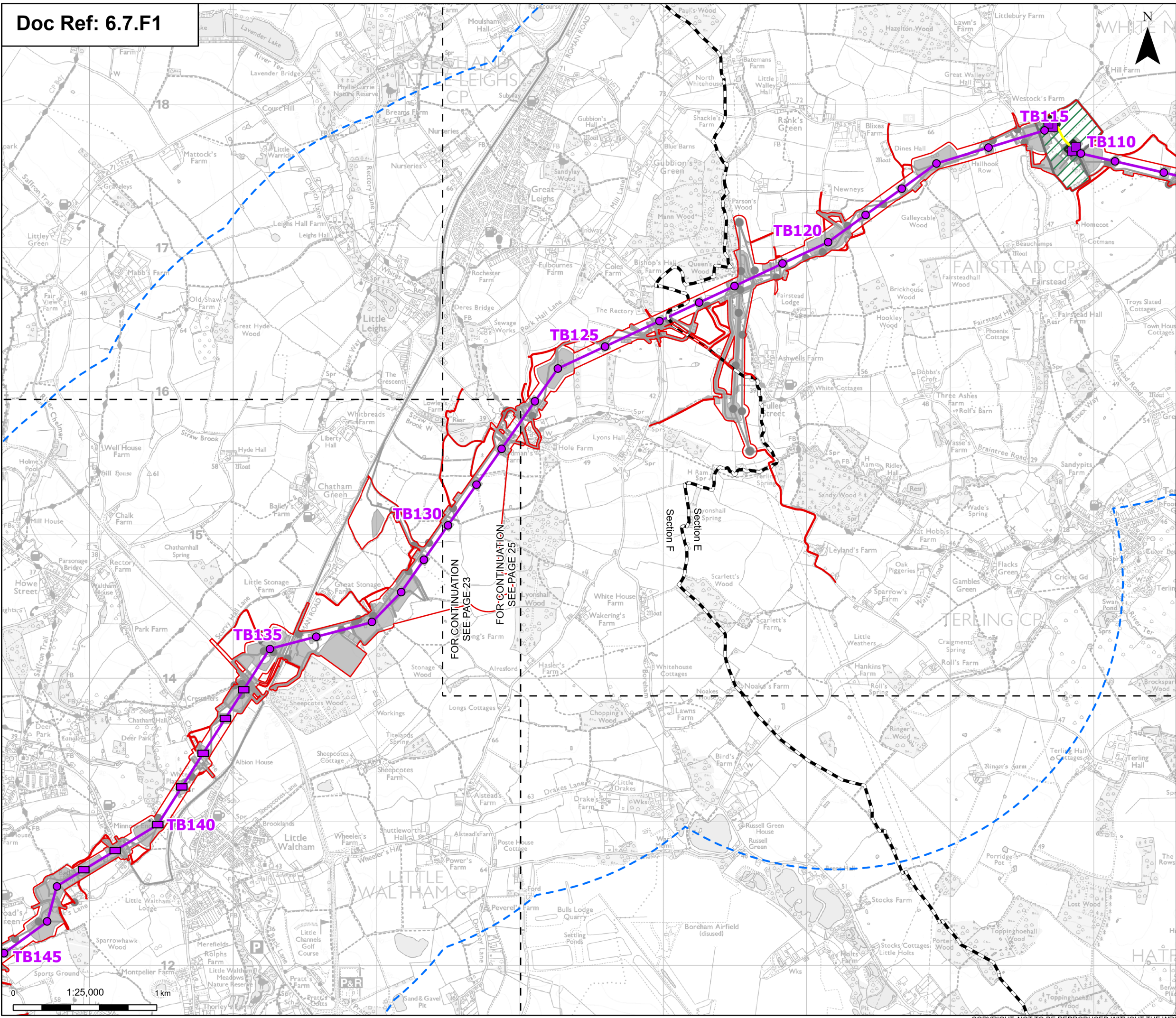
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Drawing Number:
10059280-ARC-EAQ-ZZ-DR-ZZ-00427

Revision:
A







Order limits

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Project section line

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

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 7.1 - Air Quality - Study Area and Constraints

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| Drawn | M. Pawaskar | Date | 21 Aug 25 |
| Checked | A. Fell | Date | 21 Aug 25 |
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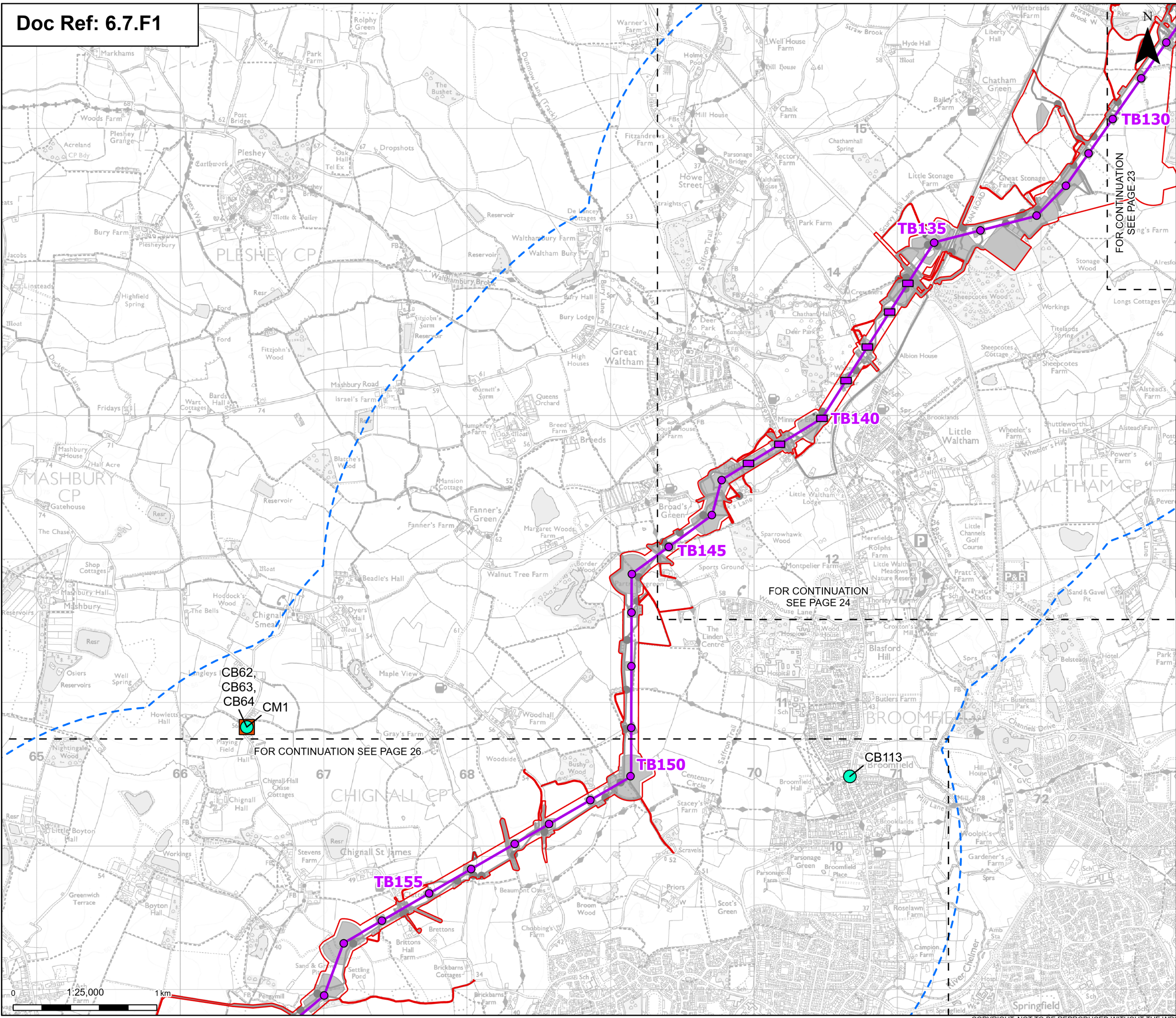
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Order limits

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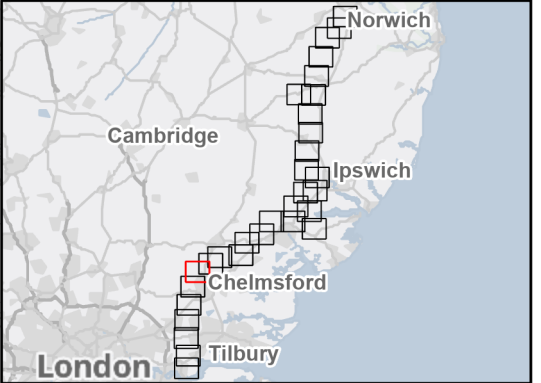
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- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Diffusion tubes
- Automatic monitoring site

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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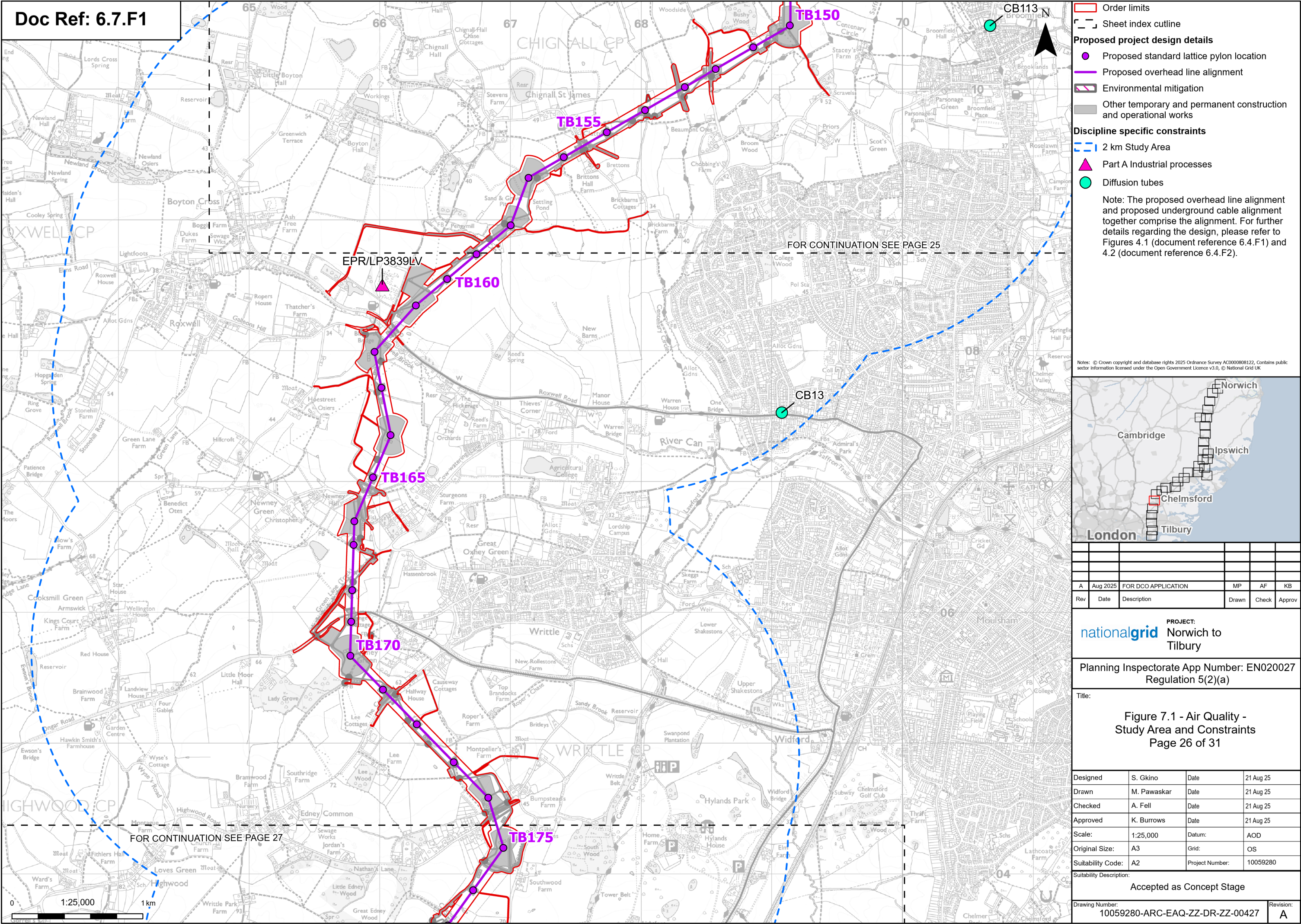
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Figure 7.1 - Air Quality - Study Area and Constraints
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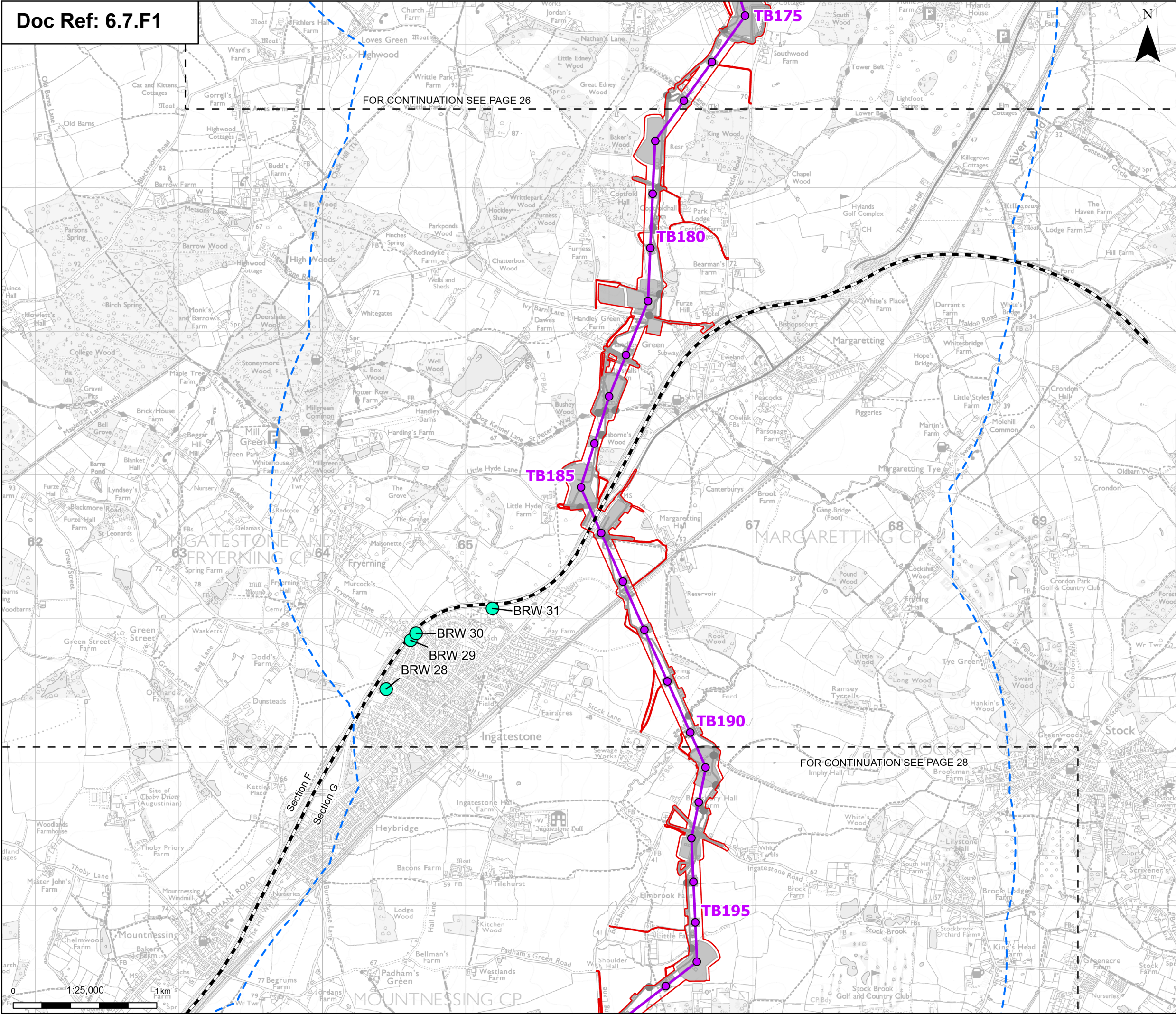
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| Suitability Code: | A2 | Project Number: | 10059280 |

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Sheet index outline

Project section line

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Diffusion tubes

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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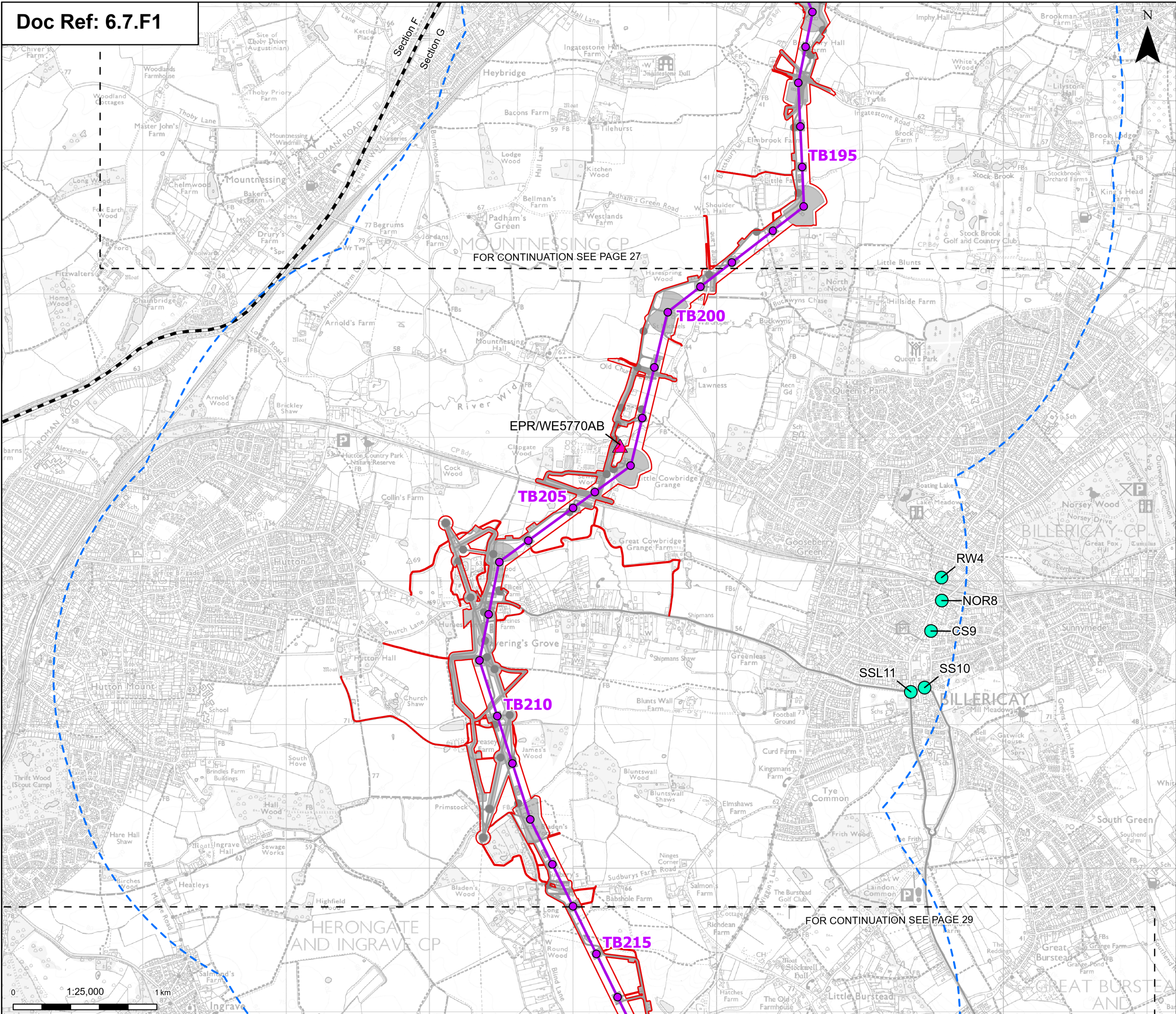
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1 km

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Sheet index cutline

Project section line

Proposed project design details

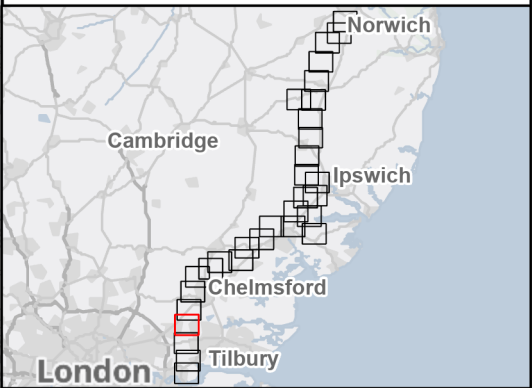
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Part A Industrial processes
- Diffusion tubes

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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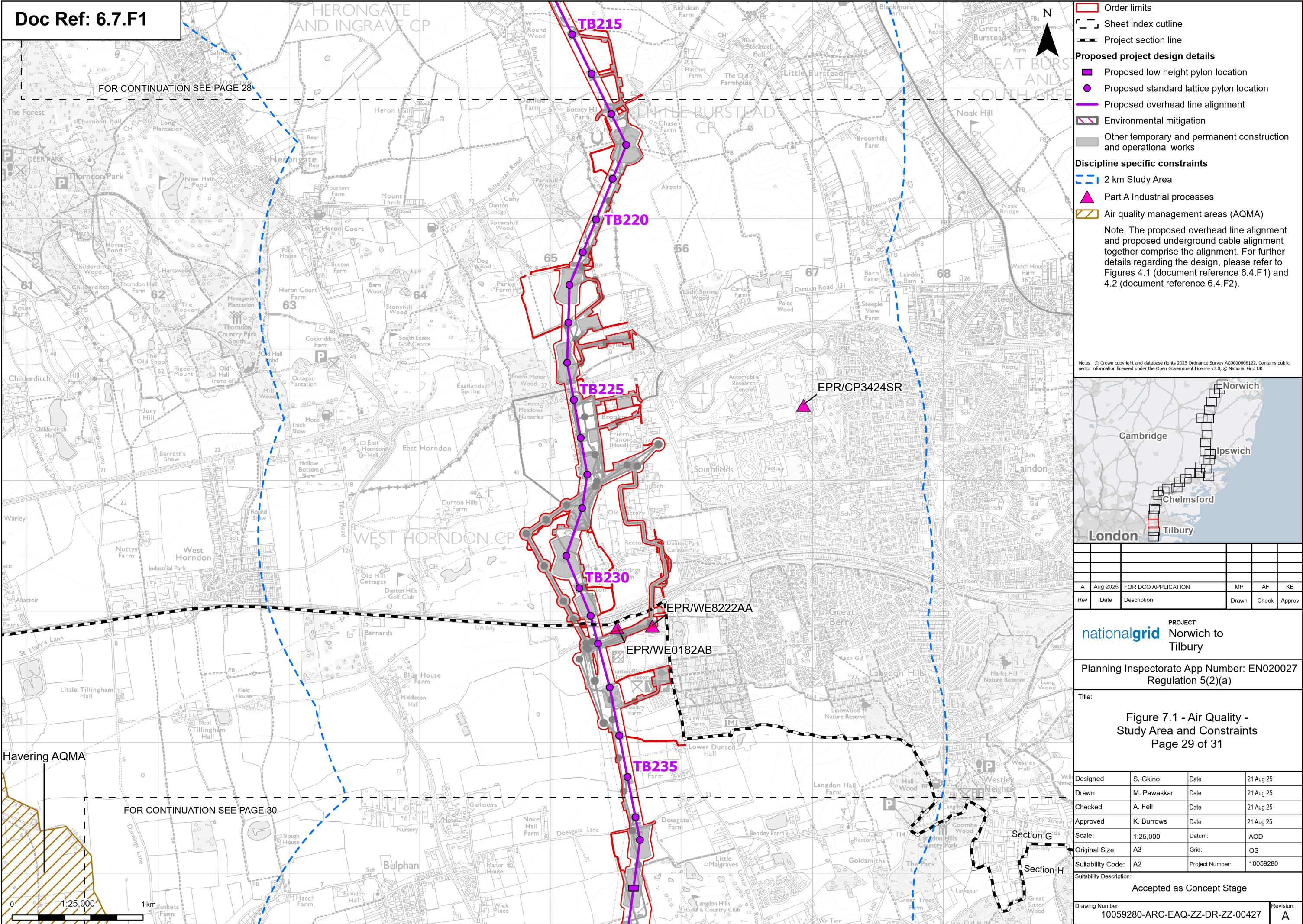
Figure 7.1 - Air Quality - Study Area and Constraints
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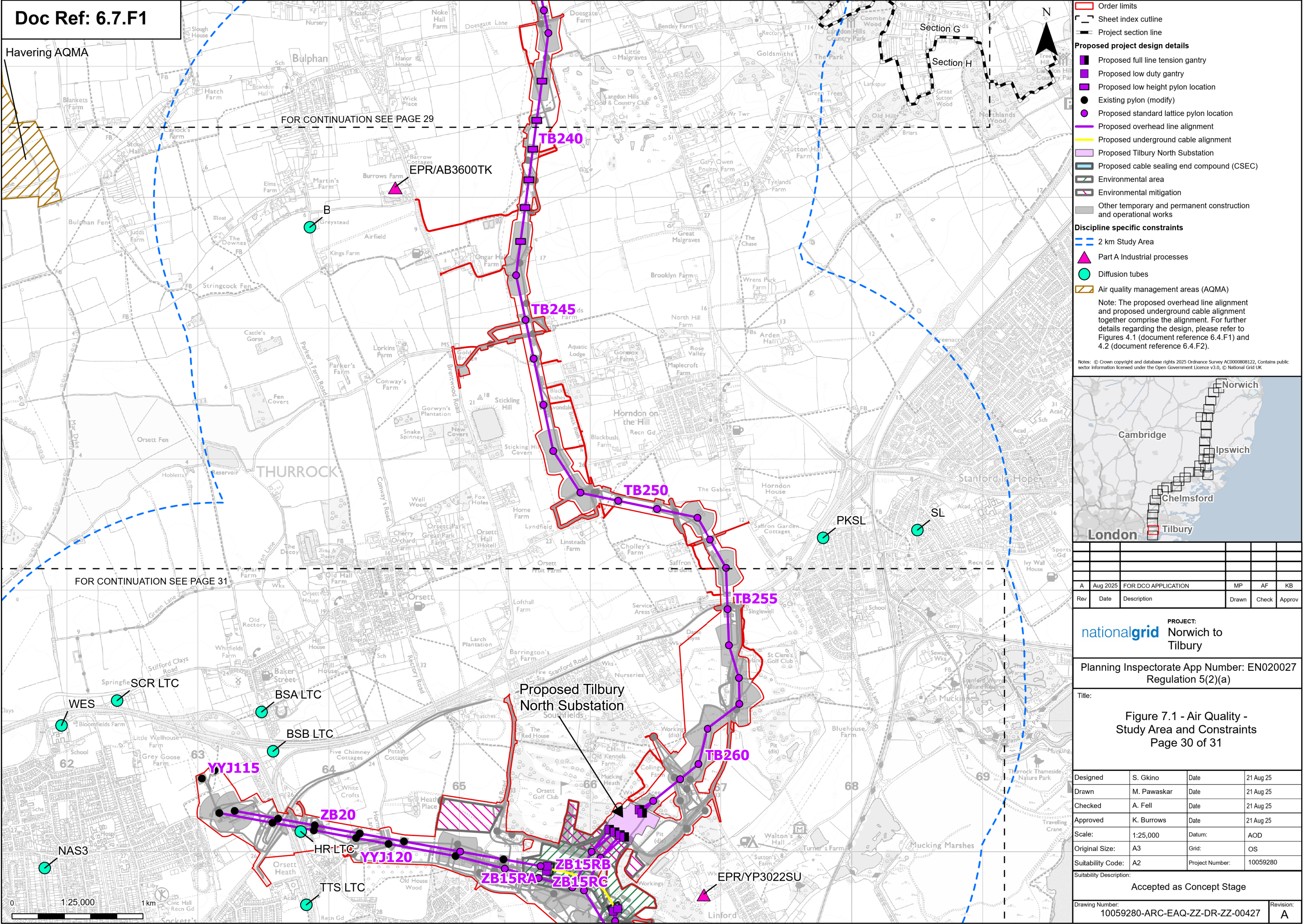
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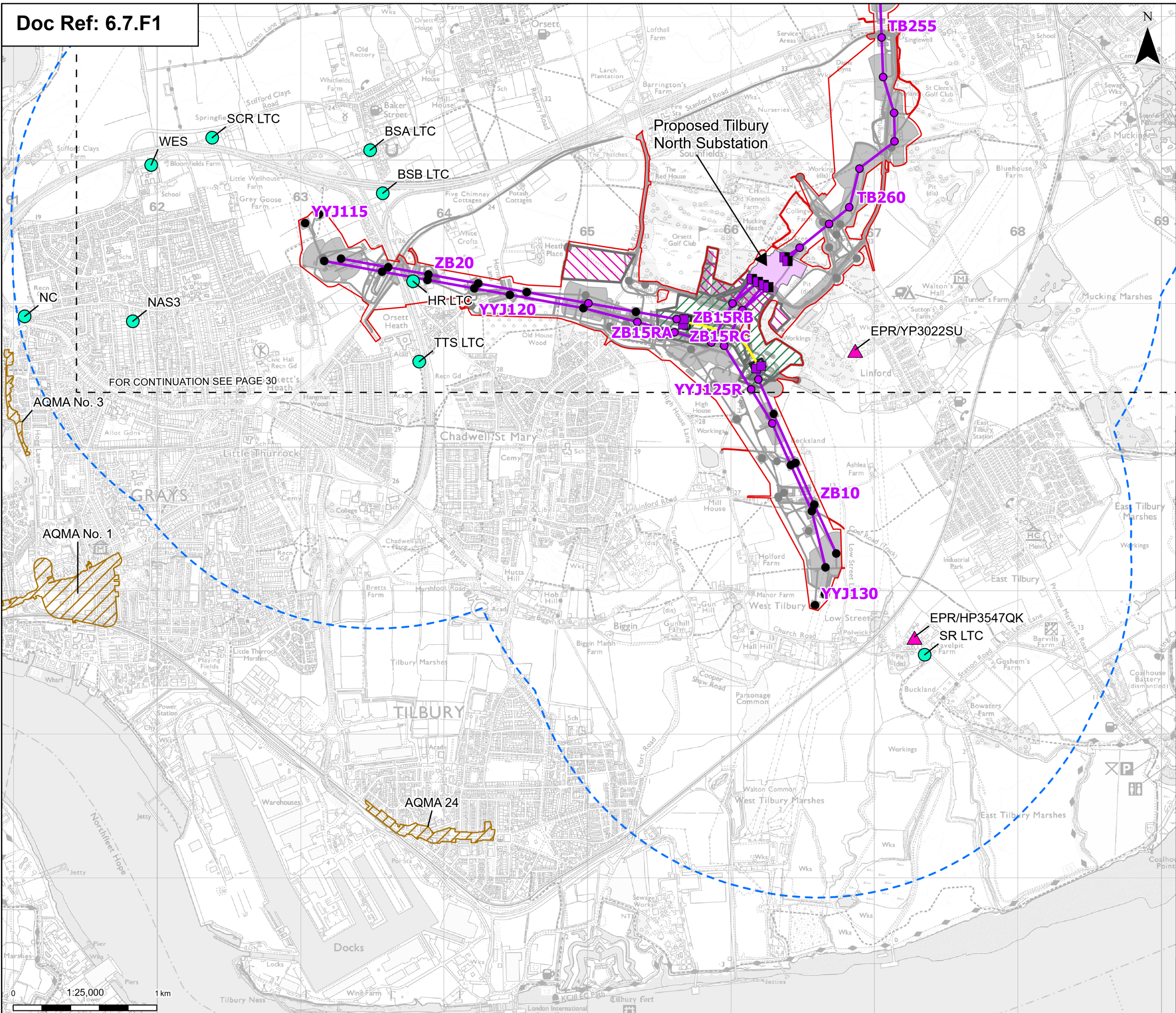
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| Drawing Number: | 10059280-ARC-EAQ-ZZ-DR-ZZ-00427 | Revision: | A |
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Proposed project design details

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

Part A Industrial processes

Diffusion tubes

Air quality management areas (AQMA)

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 7.1 - Air Quality - Study Area and Constraints

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