

# Norwich to Tilbury

## Volume 6: Environmental Statement

Document: 6.7.F5 Environmental Statement Figure 7.5 - Air Quality Affected Road Network

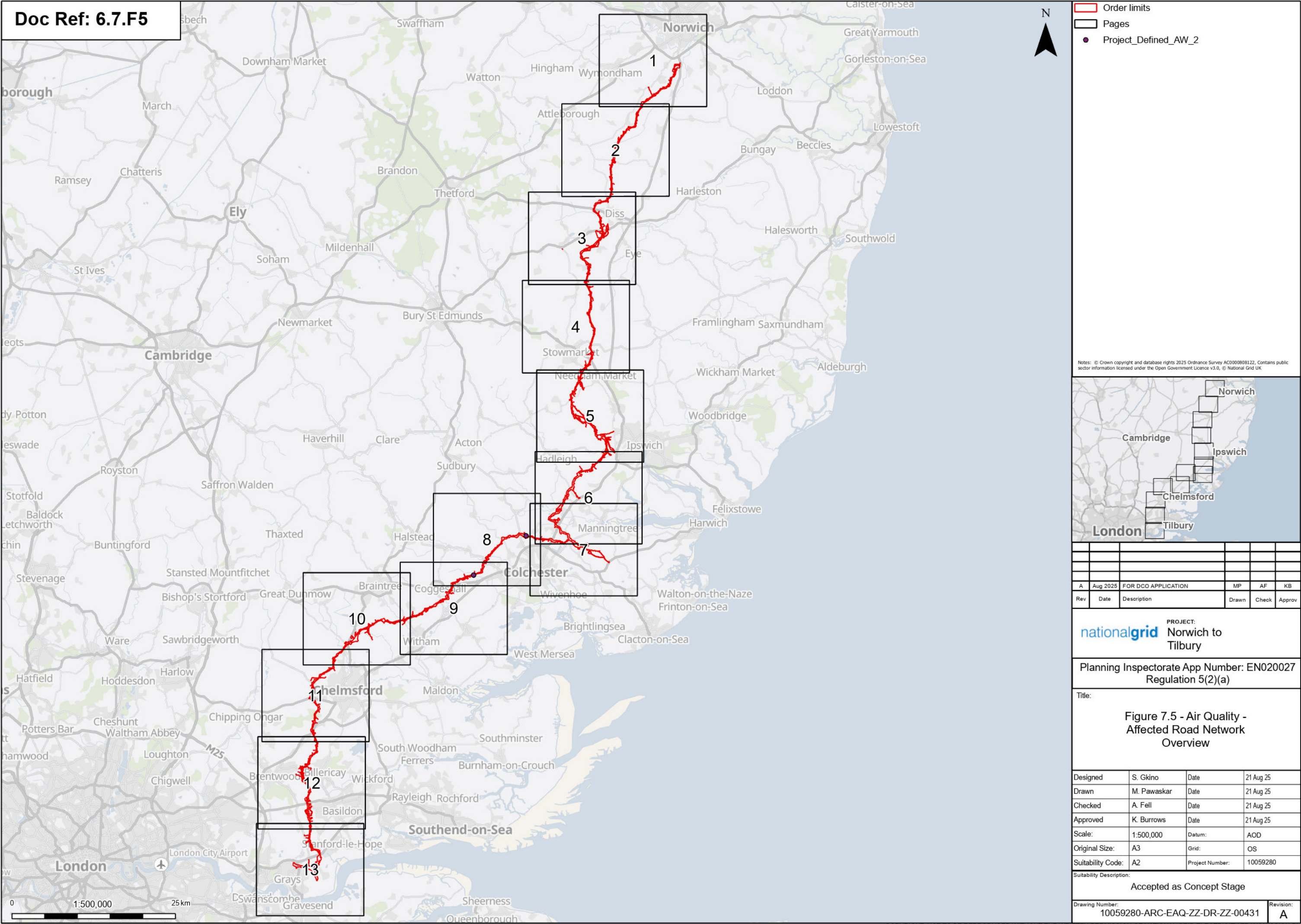
Final Issue A

August 2025

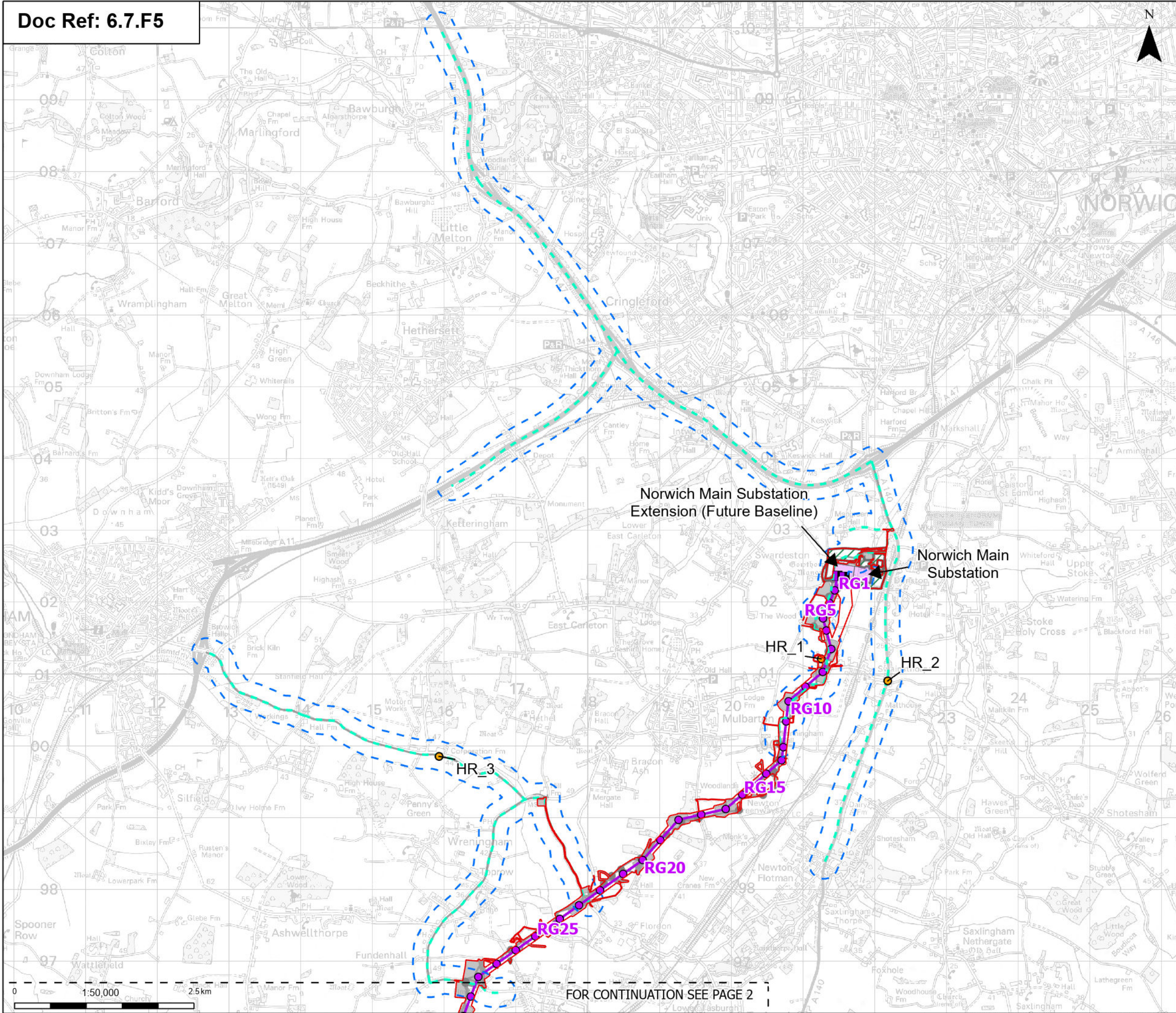
Planning Inspectorate Reference: EN020027

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









Order limits

Sheet index cutline

**Proposed project design details**

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

Environmental mitigation

Other temporary and permanent construction and operational works

**Discipline specific constraints**

Human receptors

Affected road network

Construction traffic 200m 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).

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:  
nationalgrid Norwich to Tilbury

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

Title:  
  
Figure 7.5 - Air Quality -  
Affected Road Network  
Page 1 of 13

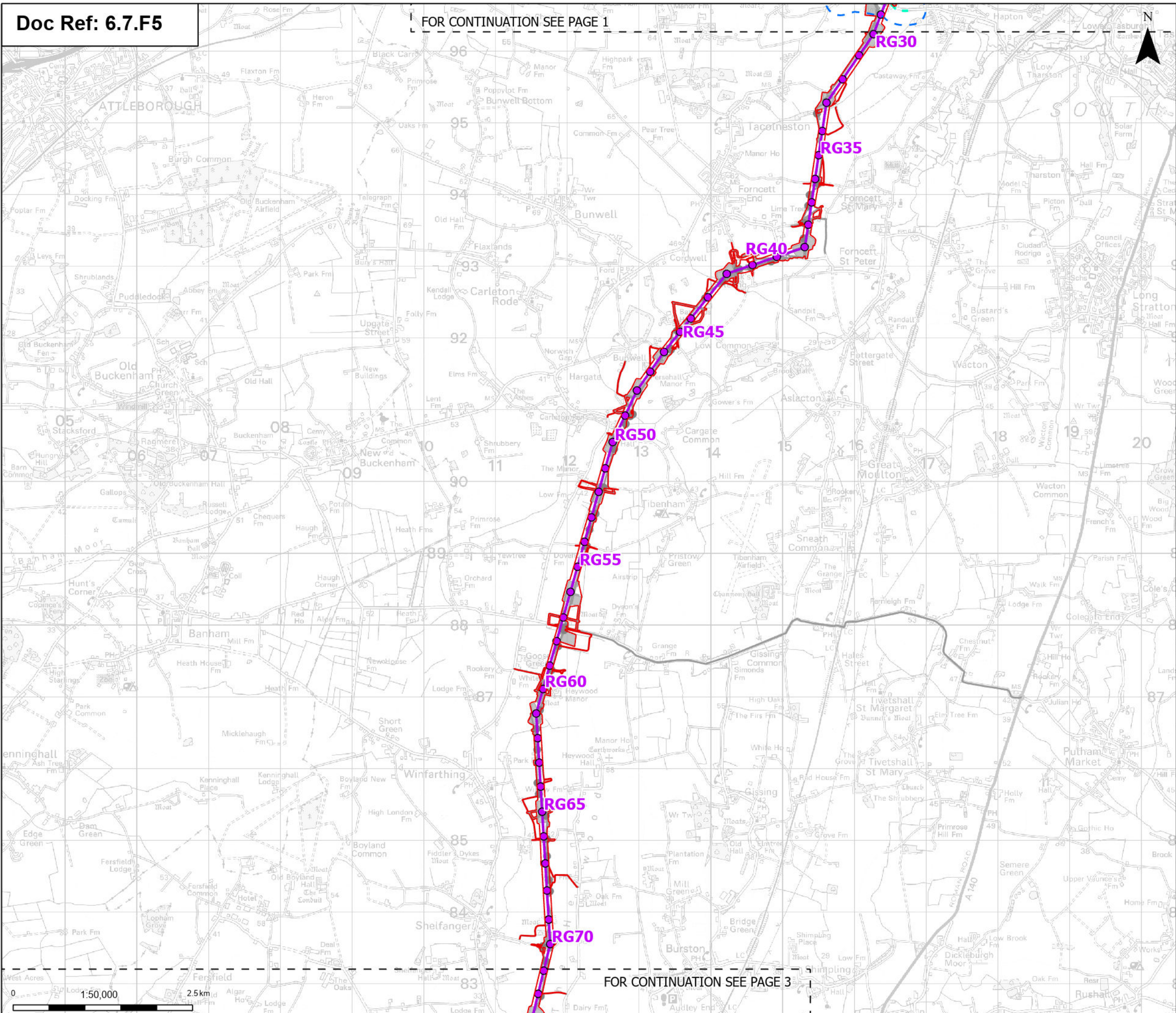
Designed	S. Gkino	Date	21 Aug 25
Drawn	M. Pawaskar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:50,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number:  
10059280-ARC-EAQ-ZZ-DR-ZZ-00431

Revision:  
A





Order limits

Sheet index cutline

Construction traffic 200m 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).

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

Affected road network

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000080122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:  
nationalgrid Norwich to Tilbury

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

Title:  
Figure 7.5 - Air Quality -  
Affected Road Network  
Page 2 of 13

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

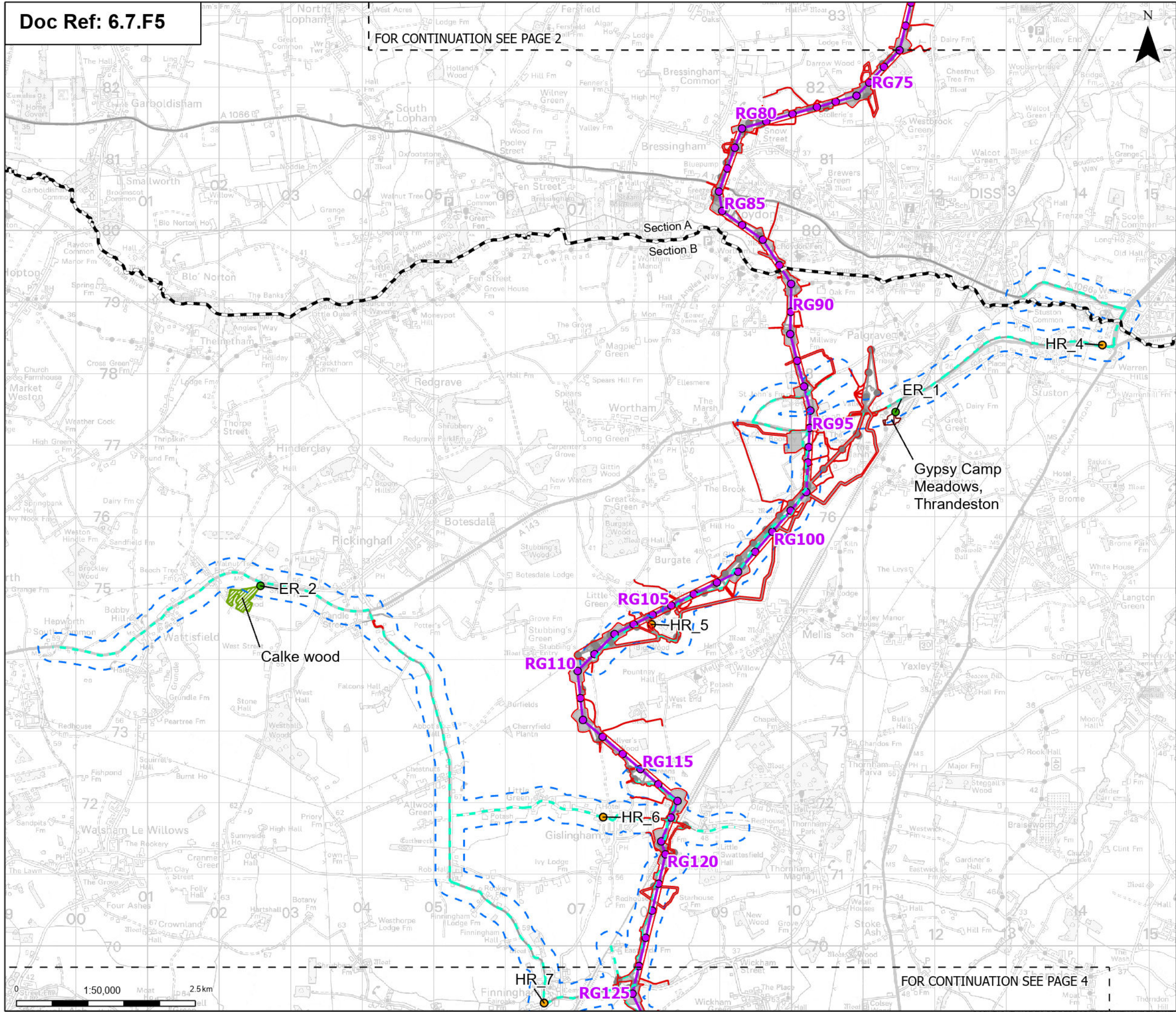
Drawing Number:  
10059280-ARC-EAQ-ZZ-DR-ZZ-00431  
Revision:  
A

Print Date: 08-14-25 16:59:49

FOR CONTINUATION SEE PAGE 3

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





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

- Human receptors

Ecological receptors

Affected road network

Construction traffic 200m Study Area

Ancient woodland

Site of special scientific interest

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).

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Map showing the project location relative to Norwich, Cambridge, Ipswich, Chelmsford, and London.

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

PROJECT: Norwich to Tilbury

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

Title: Figure 7.5 - Air Quality - Affected Road Network Page 3 of 13

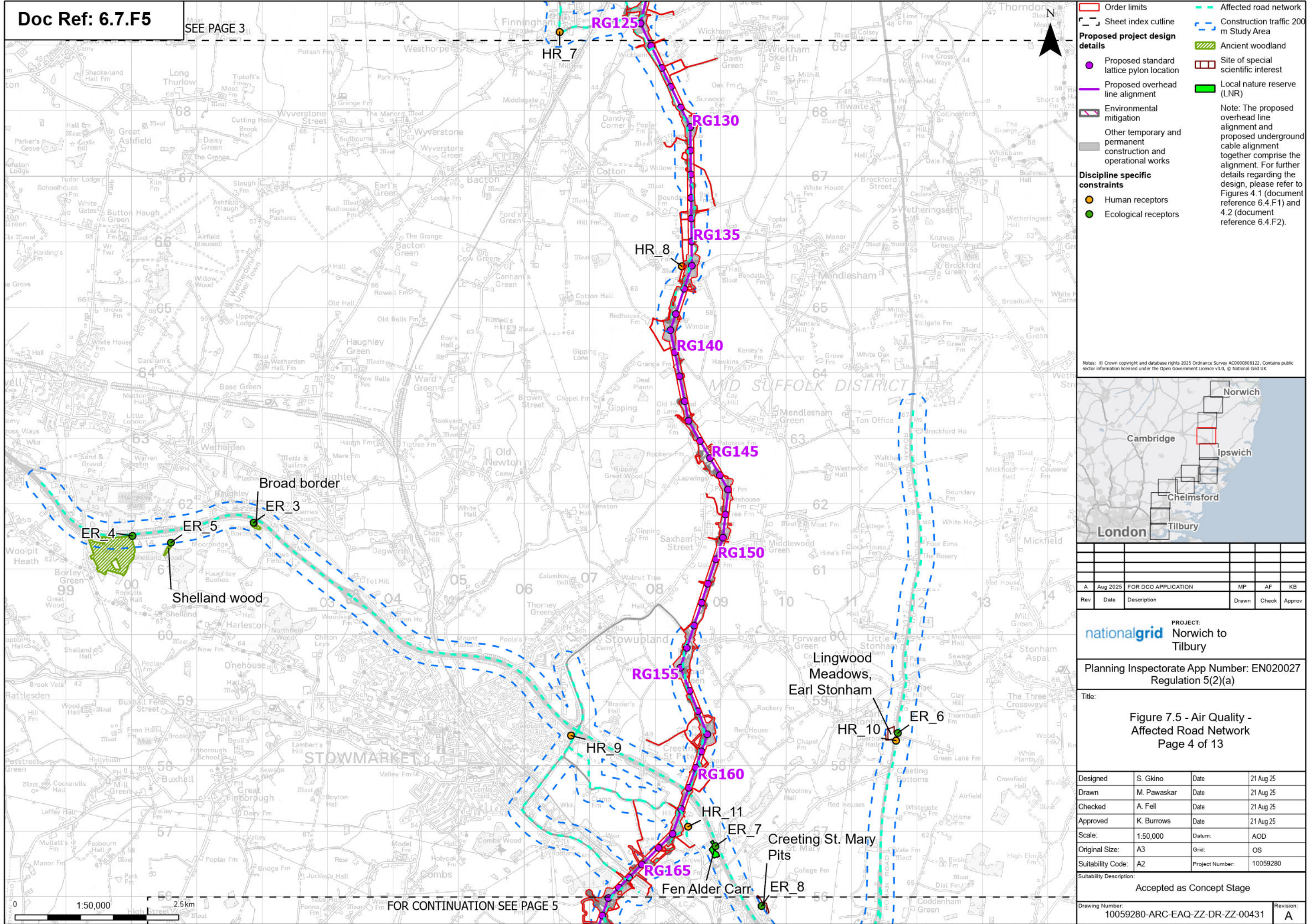
Designed	S. Gkino	Date	21 Aug 25
Drawn	M. Pawaskar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:50,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

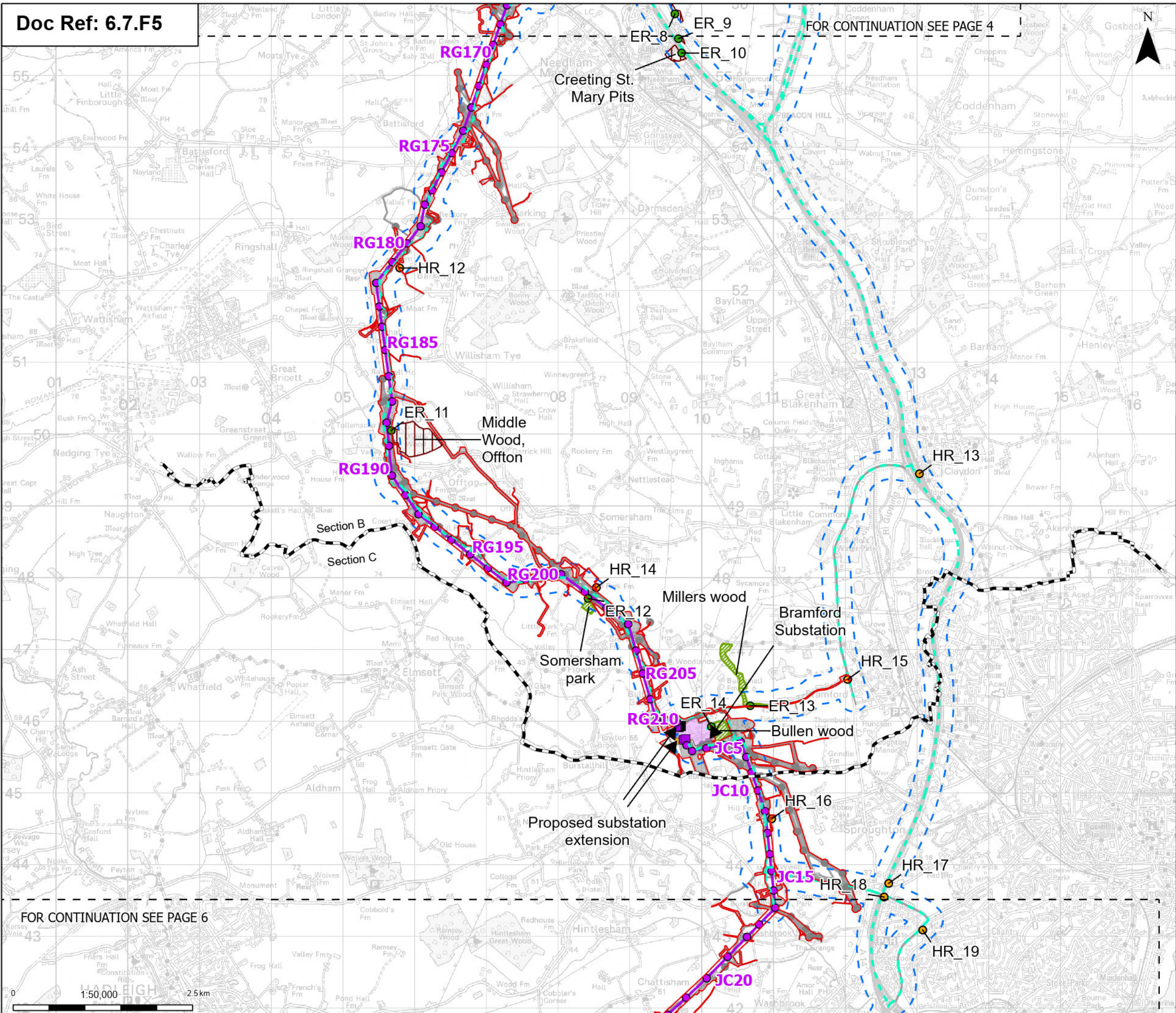
Drawing Number: 10059280-ARC-EAQ-ZZ-DR-ZZ-00431

Revision: A









Order limits

Sheet index cutline

Project section line

Proposed full line tension gantry

Proposed low duty gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Bramford Substation

Bramford Substation Extension

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

Human receptors

Ecological receptors

Affected road network

Construction traffic 200 m Study Area

Ancient woodland

Site of special scientific interest

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).

Notes: © Crown copyright and database rights 2025 Ordnance Survey ACD00808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Norwich

Cambridge

Ipswich

Chelmsford

Tilbury

London

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

PROJECT:

nationalgrid

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

Regulation 5(2)(a)

Title:

Figure 7.5 - Air Quality - Affected Road Network

Page 5 of 13

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-00431

Revision:

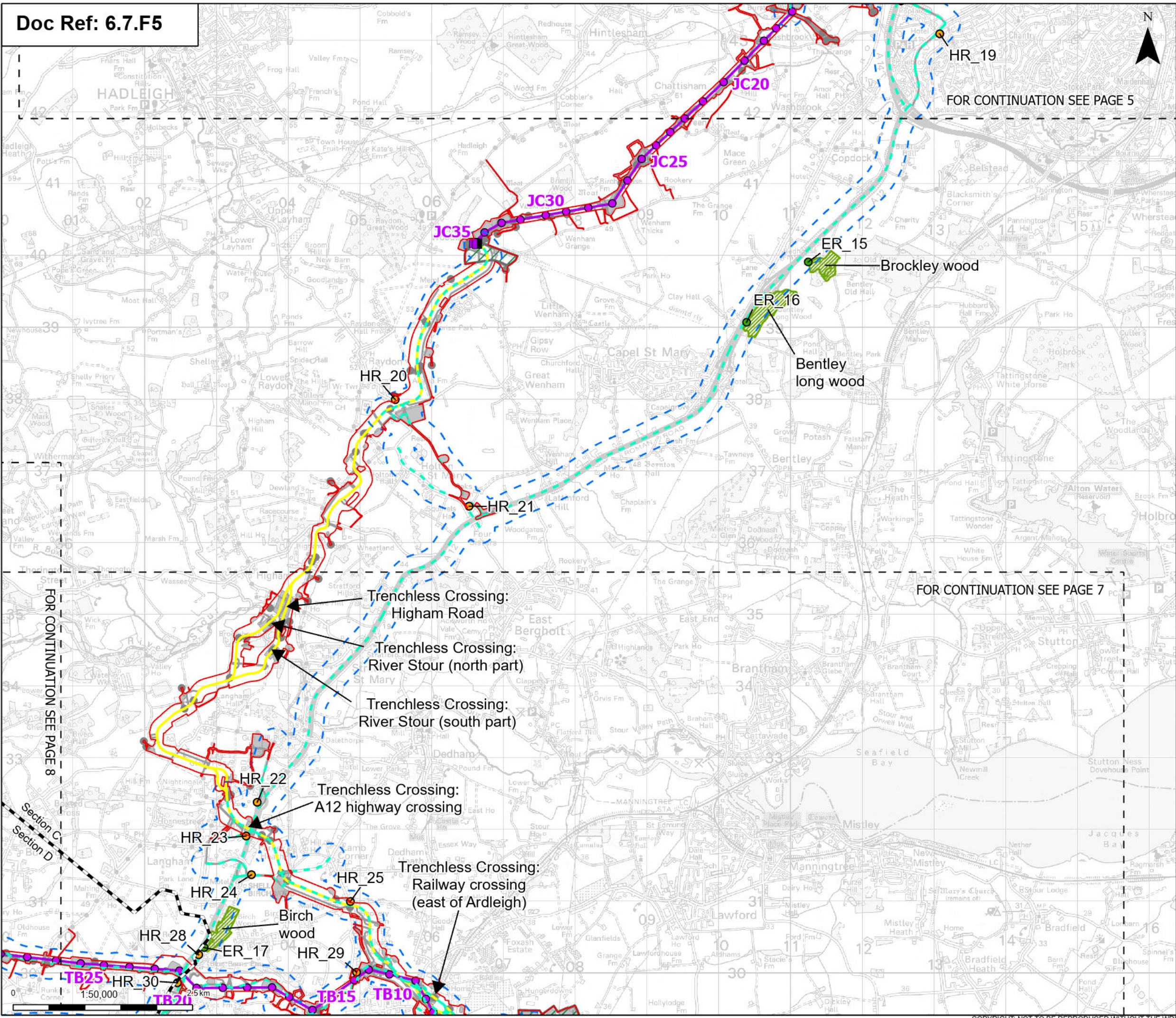
A

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 4

Print Date: 08-14-25 17:00:03 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC





**Order limits**

- Order limits
- Sheet index cutline
- Project section line

**Proposed project design details**

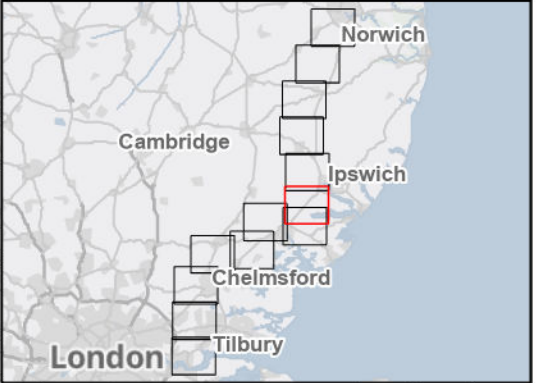
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

**Discipline specific constraints**

- Human receptors
- Ecological receptors
- Affected road network
- Construction traffic 200 m Study Area
- Ancient woodland

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).

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



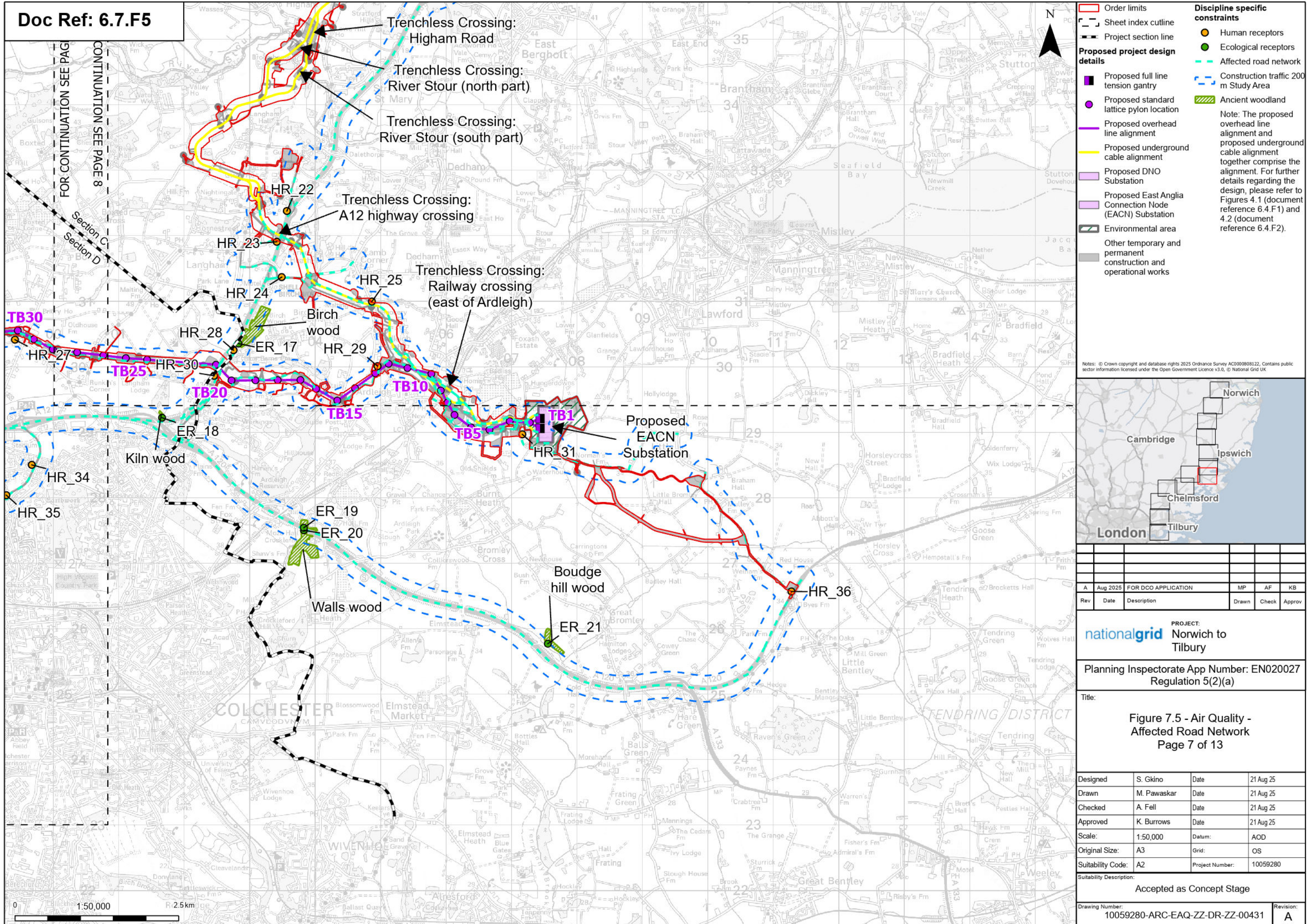
Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	MP	AF	KB

PROJECT: **Norwich to Tilbury**

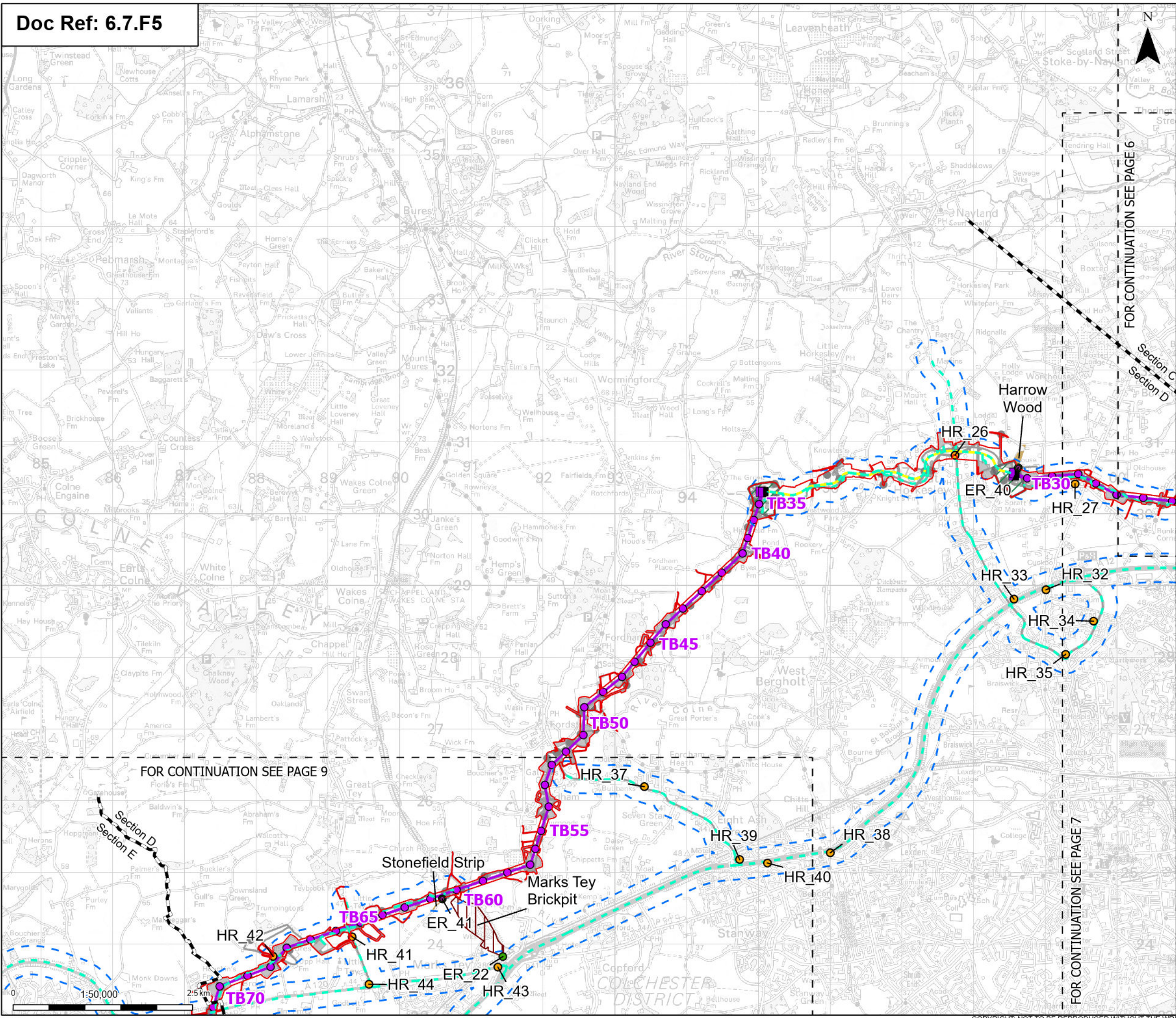
Planning Inspectorate App Number: EN020027  
Regulation 5(2)(a)

Title: <b>Figure 7.5 - Air Quality - Affected Road Network</b> Page 6 of 13			
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-00431			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**

Human receptors

Ecological receptors

Affected road network

Construction traffic 200m Study Area

Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Site of special scientific interest

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).

Project\_Defined\_AW\_2

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

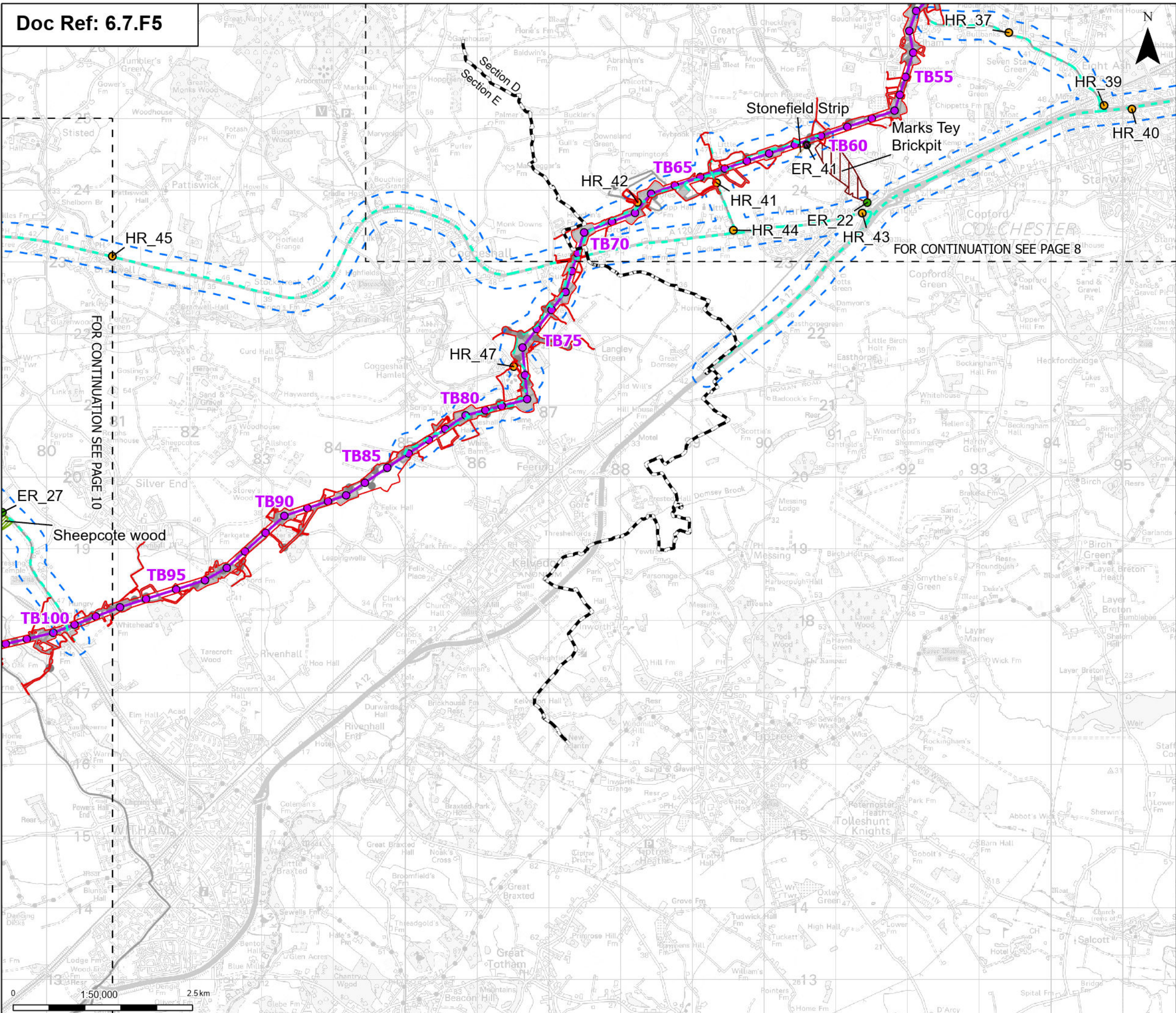
Title:  
**Figure 7.5 - Air Quality -  
Affected Road Network  
Page 8 of 13**

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-00431	Revision: A
--	----------------





**Order limits**  
Sheet index cutline  
Project section line

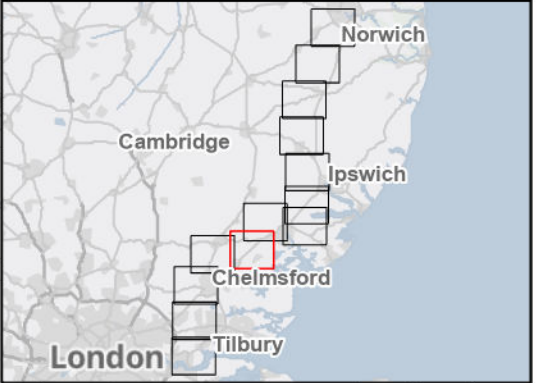
**Proposed project design details**  
Proposed standard lattice pylon location  
Proposed overhead line alignment  
Environmental mitigation  
Other temporary and permanent construction and operational works

**Discipline specific constraints**  
Human receptors  
Ecological receptors  
Affected road network  
Project\_Defined\_AW\_2

**Construction traffic 200m Study Area**  
Ancient woodland  
Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory  
Site of special scientific interest

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).

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



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

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

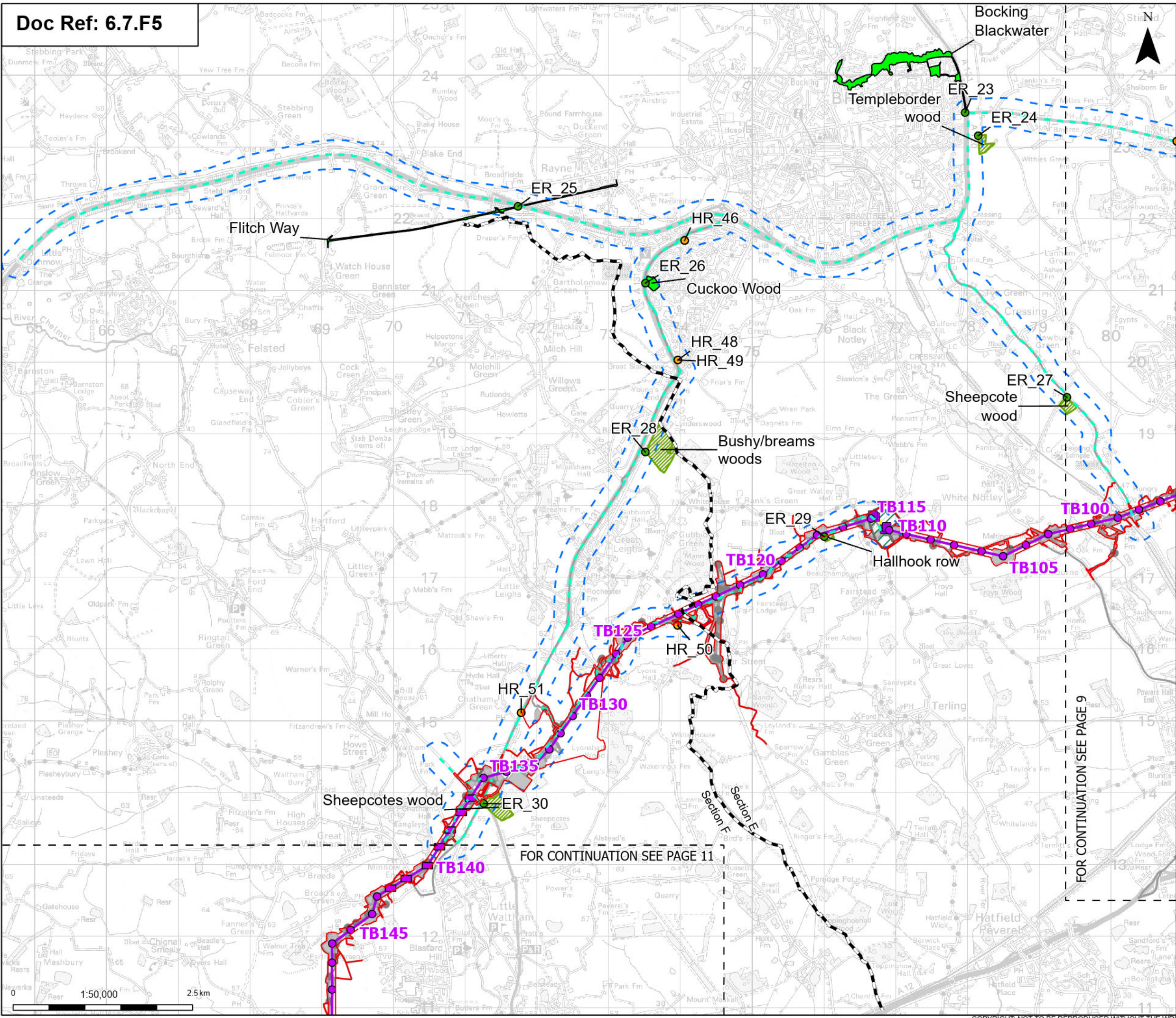
Title:  
**Figure 7.5 - Air Quality -  
Affected Road Network  
Page 9 of 13**

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-00431	Revision: A
--	----------------





**Order limits**

- Sheet index cutline
- Project section line

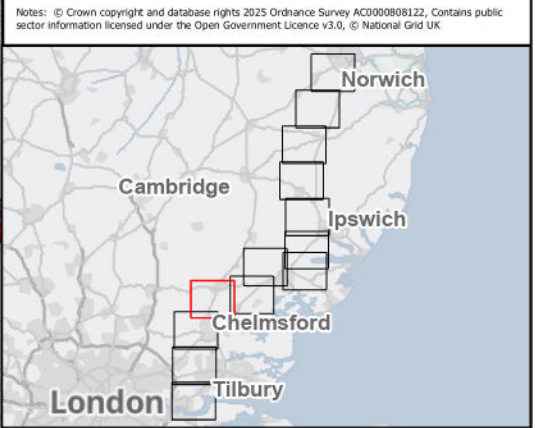
**Proposed project design details**

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

**Discipline specific constraints**

- Human receptors
- Ecological receptors
- Affected road network
- Construction traffic 200m Study Area
- Ancient woodland
- Local nature reserve (LNR)

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).



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

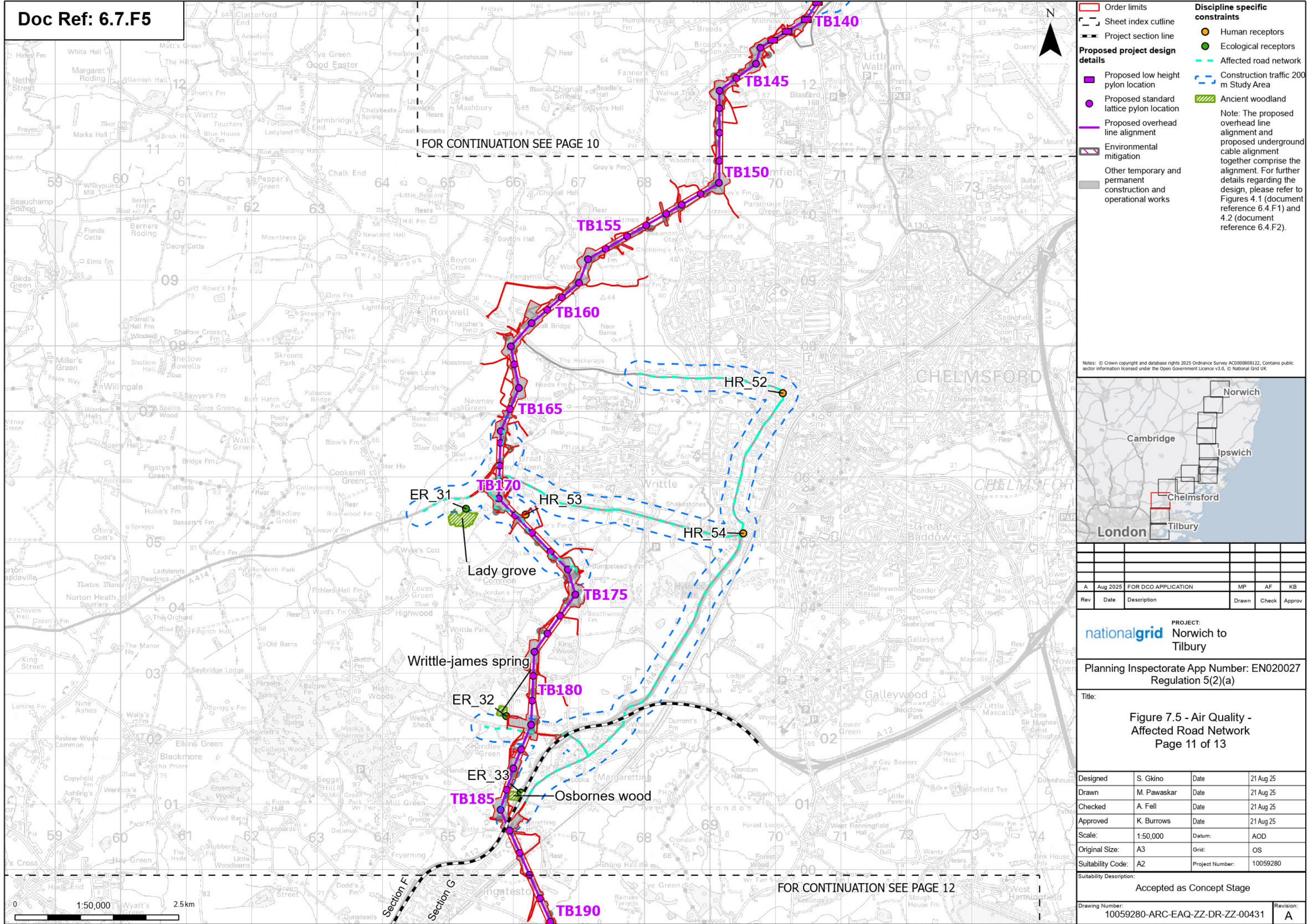
PROJECT: **Norwich to Tilbury**

nationalgrid

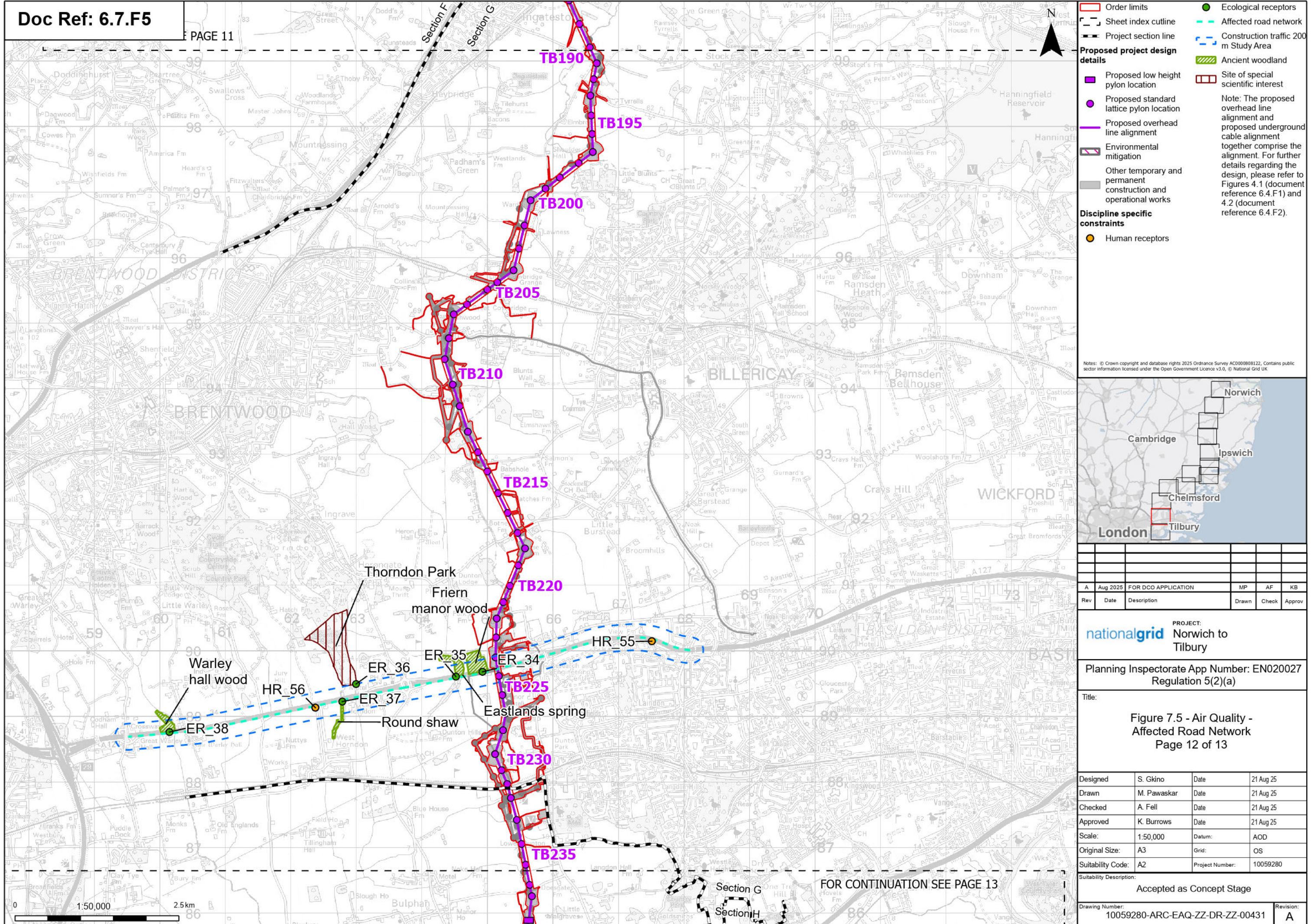
Planning Inspectorate App Number: EN020027  
Regulation 5(2)(a)

Title: <b>Figure 7.5 - Air Quality - Affected Road Network Page 10 of 13</b>			
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-00431			Revision: A

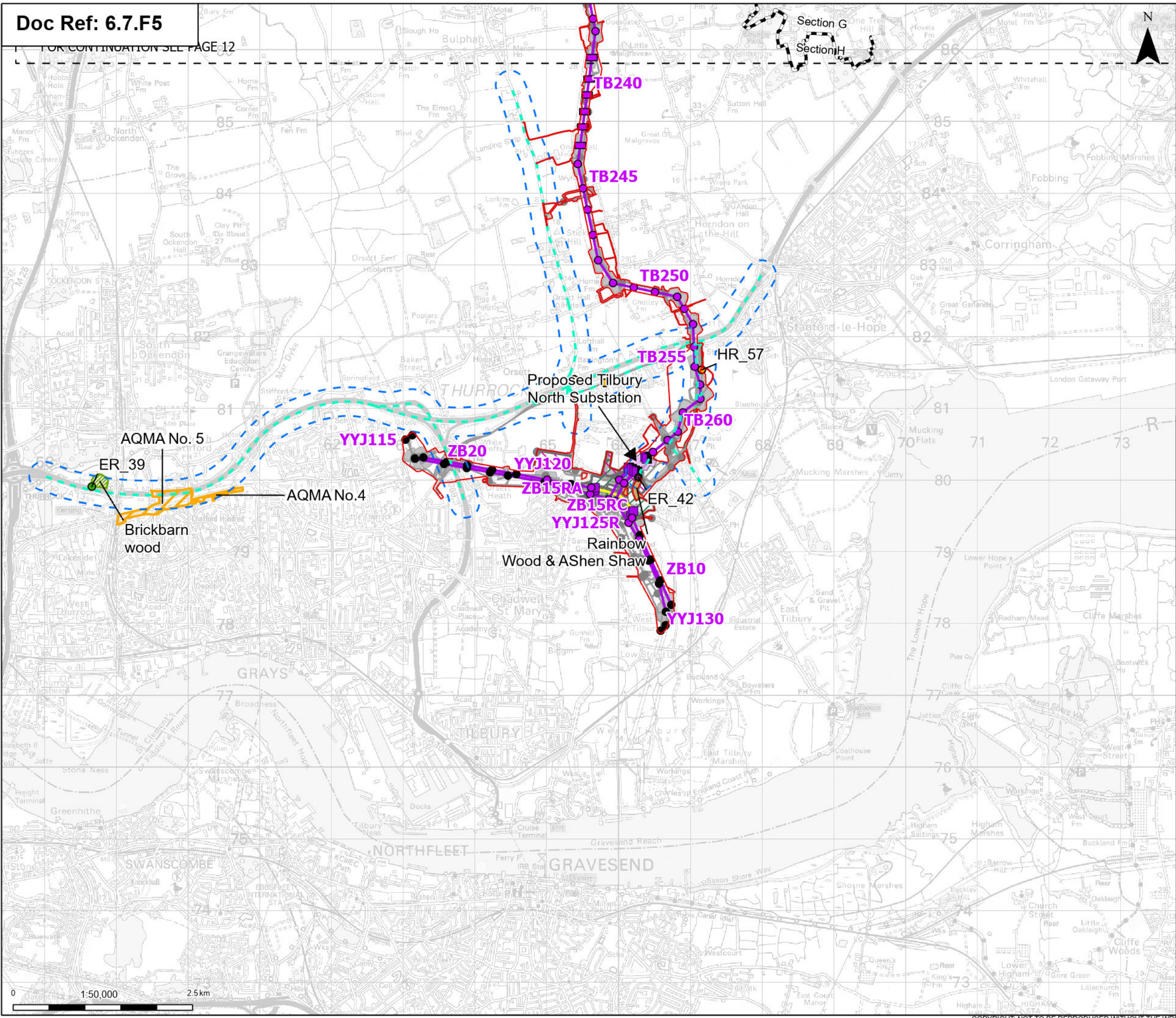












Notes: © Crown copyright and database rights 2025 Ordnance Survey AC000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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

PROJECT: **nationalgrid** Norwich to Tilbury

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

Title: **Figure 7.5 - Air Quality - Affected Road Network**  
Page 13 of 13

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-00431 Revision: A