

Norwich to Tilbury

Volume 6: Environmental Statement

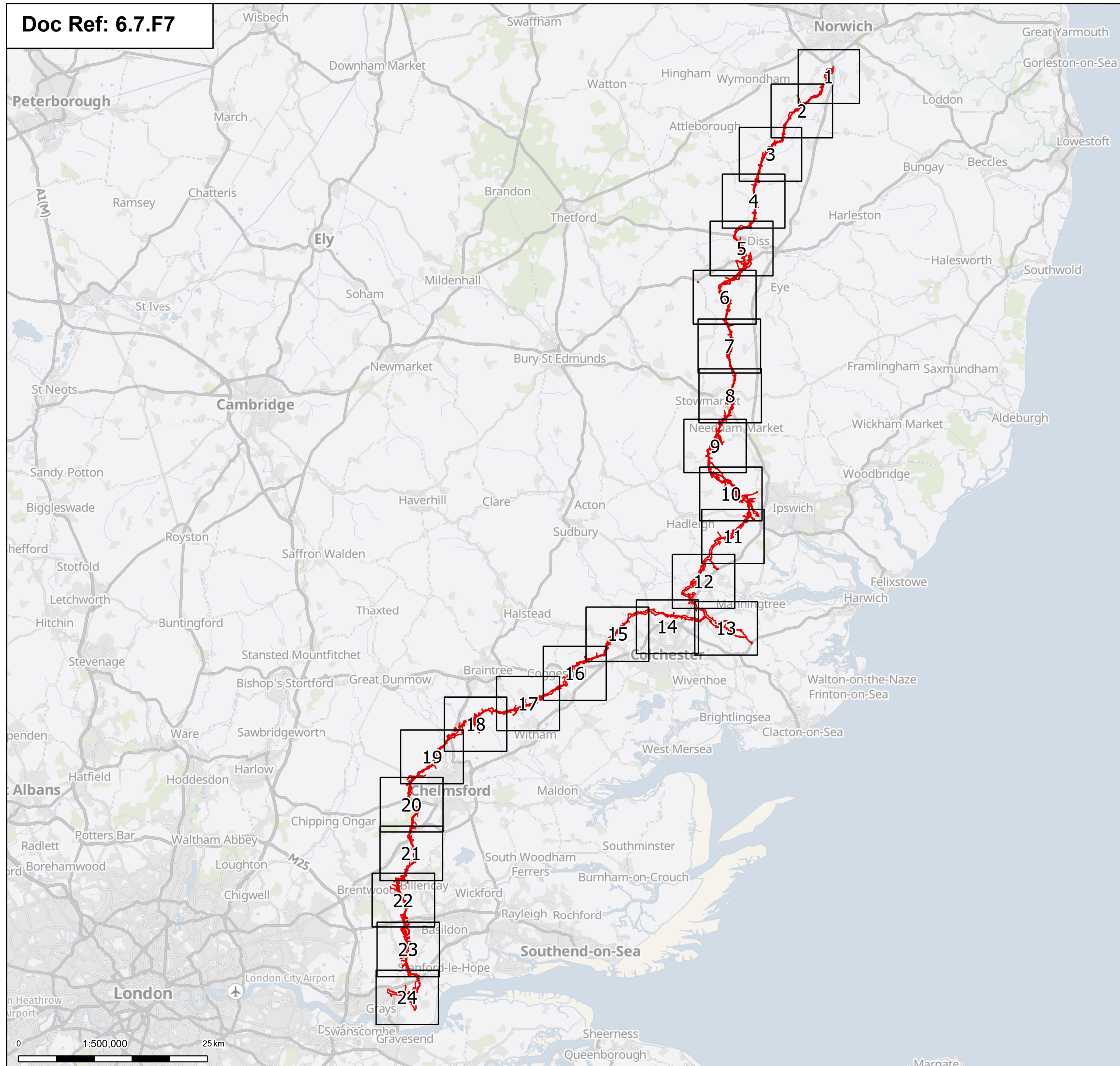
Document: 6.7.F7 Environmental Statement Figure 7.7 - Air Quality Generators

Final Issue A

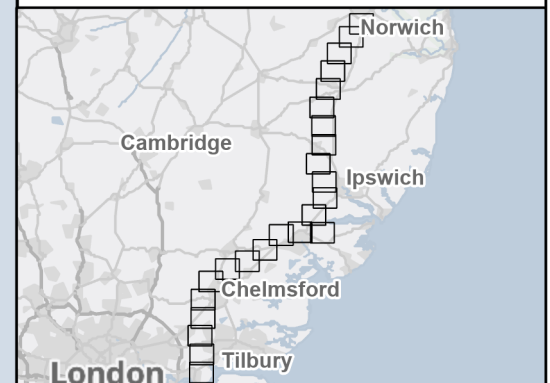
August 2025

Planning Inspectorate Reference: EN020027

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



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Rev	Date	Description	Drawn	Check	Approv

nationalgrid PROJECT:
Norwich to
Tilbury

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

Title:

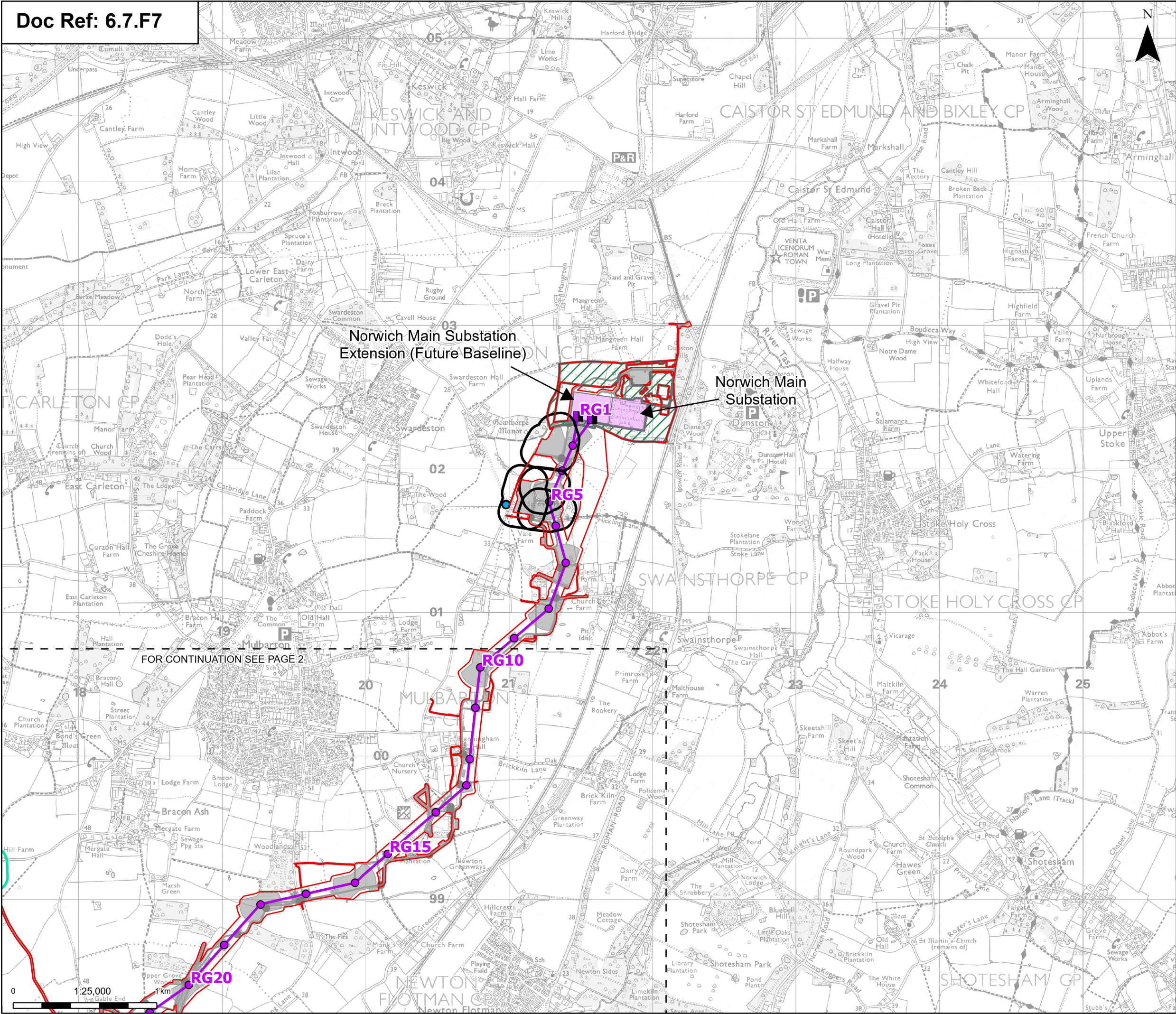
Figure 7.7 - Air Quality -
Generators
Overview

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:	1:500,000	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-00438	Revision: A
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- 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**

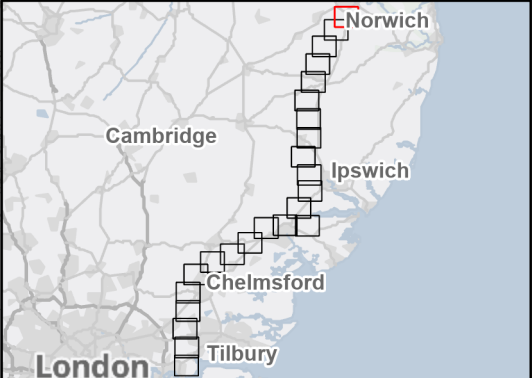
Sensitive receptors

Construction laydown areas - 100 m buffer

Highway laydown areas - 100 m buffer

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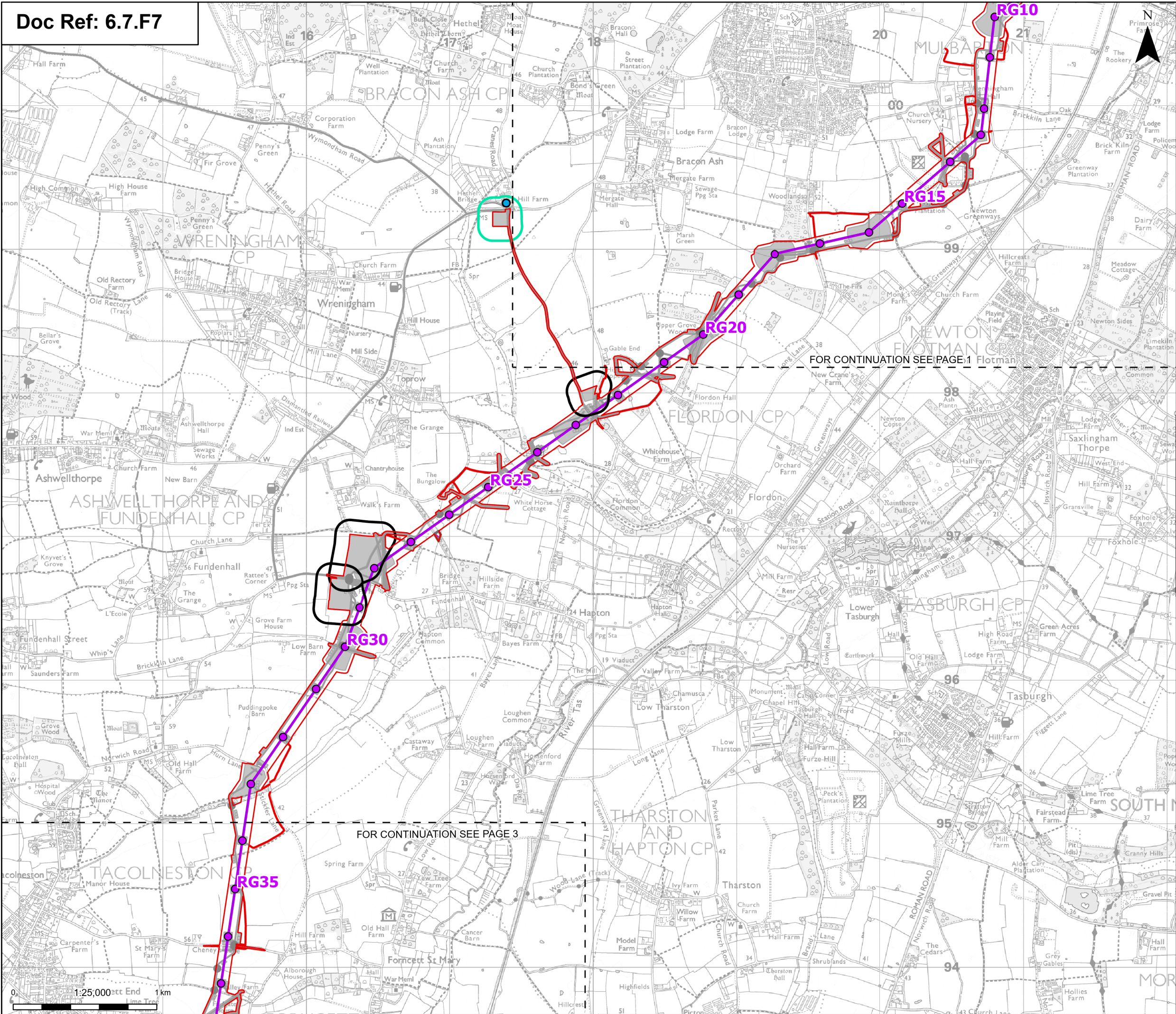
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

Title:
Figure 7.7 - Air Quality - Generators
Page 1 of 24

Designed	S. Gkino	Date	21 Aug 25
Drawn	M. Pawaskar	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Order limits

Sheet index cutline

Construction laydown areas - 100 m buffer

Highway laydown areas - 100 m buffer

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

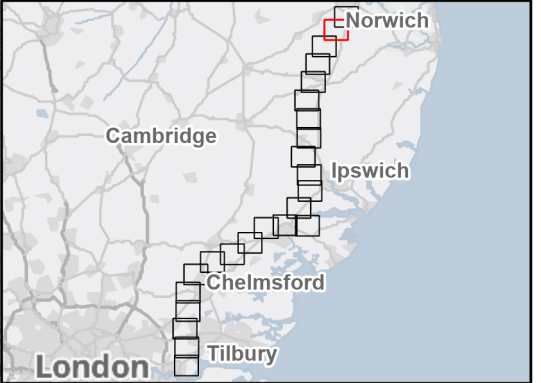
Other temporary and permanent construction and operational works

Discipline specific constraints

Sensitive receptors

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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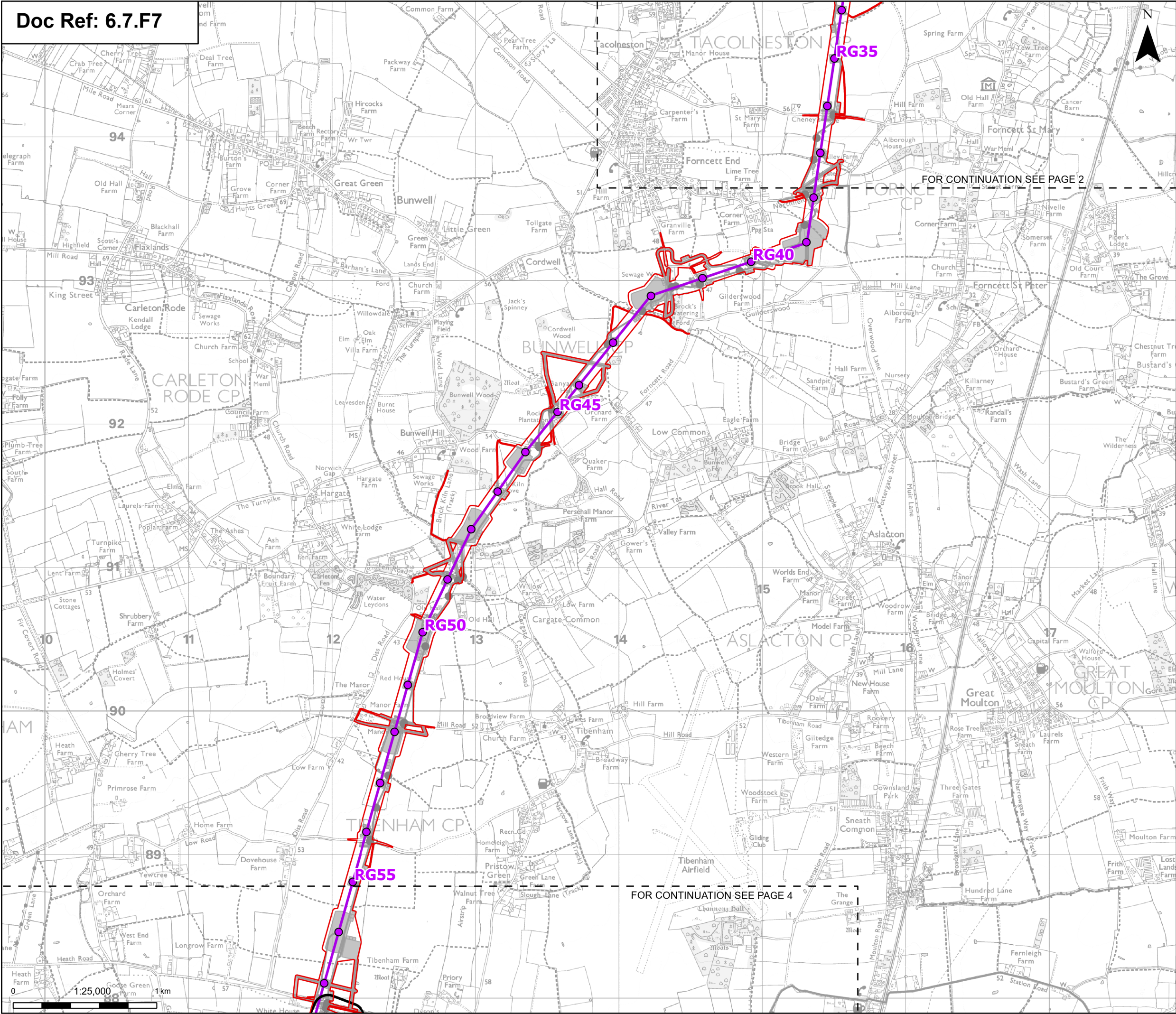
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Figure 7.7 - Air Quality - Generators
Page 2 of 24

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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EAQ-ZZ-DR-ZZ-00438	Revision: A
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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

Construction laydown areas - 100 m buffer

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 7.7 - Air Quality - Generators
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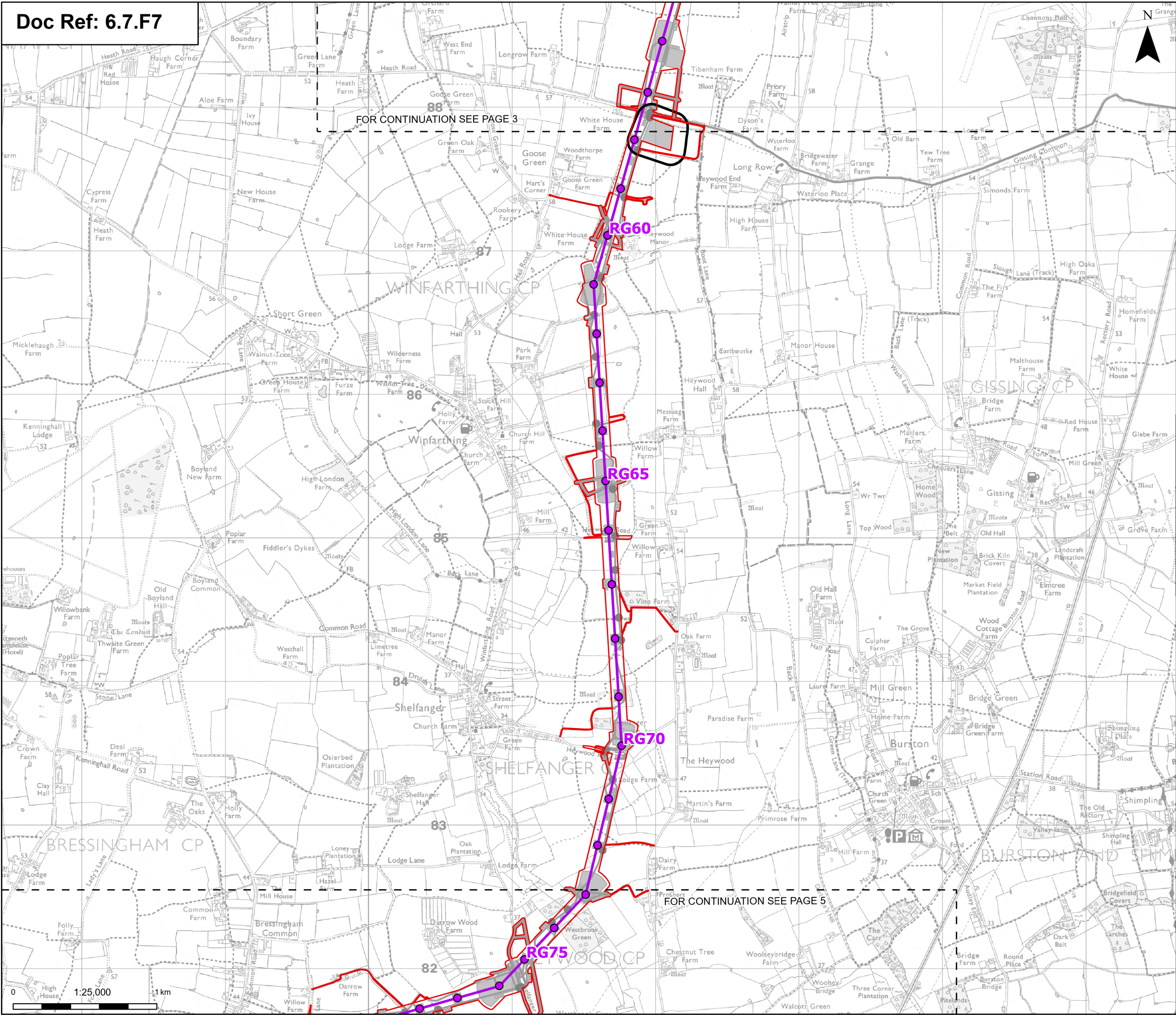
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Approved	K. Burrows	Date	21 Aug 25
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Order limits

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

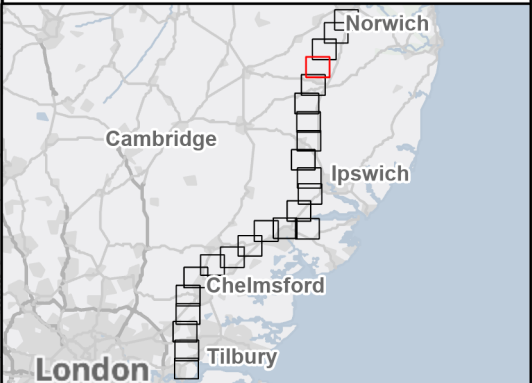
Other temporary and permanent construction and operational works

Discipline specific constraints

Construction laydown areas - 100 m buffer

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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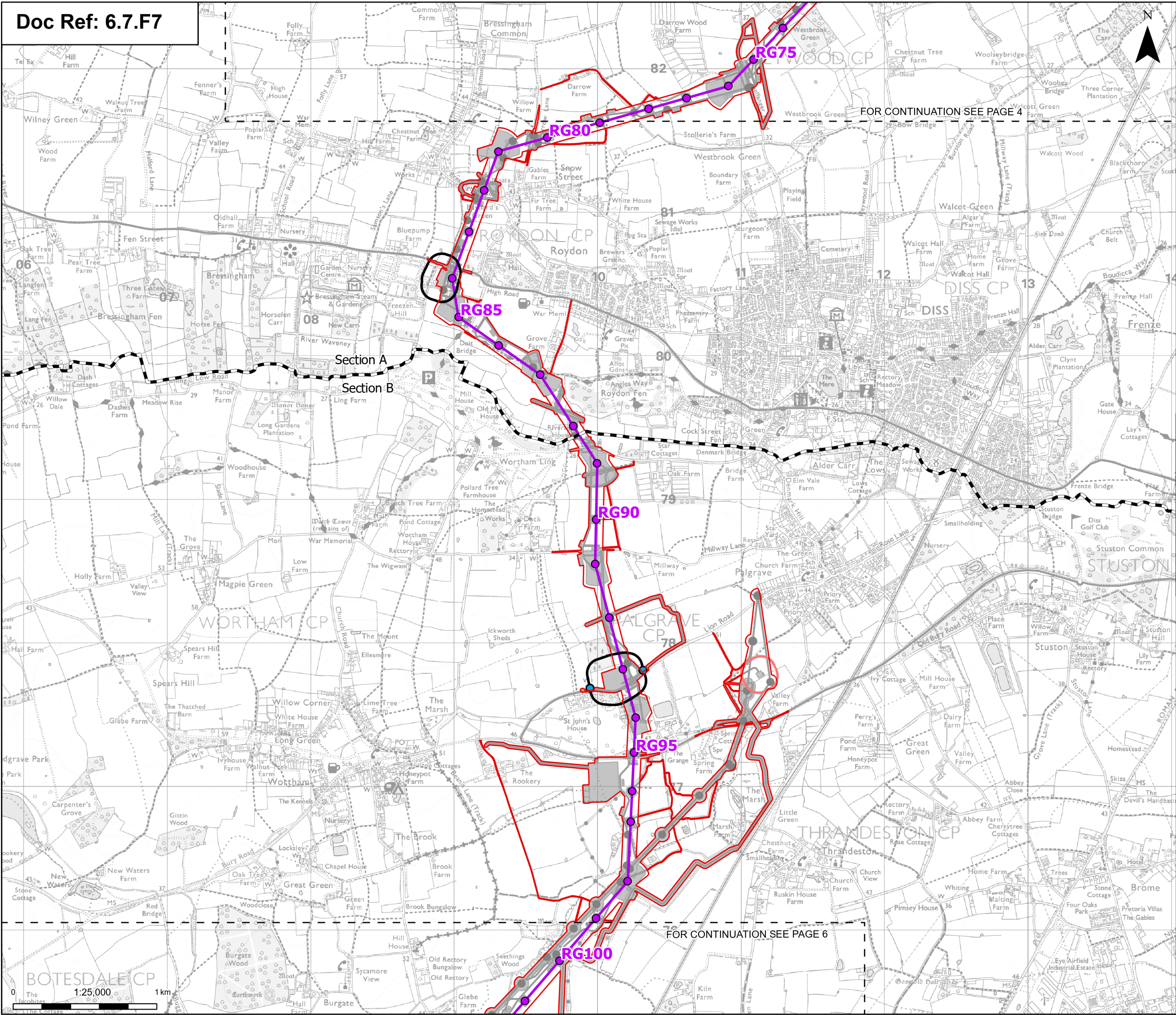
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Figure 7.7 - Air Quality - Generators
Page 4 of 24

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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-EAQ-ZZ-DR-ZZ-00438	Revision: A
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Order limits

Sheet index cutline

Project section line

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Compound area - 100 m buffer

Construction laydown areas - 100 m buffer

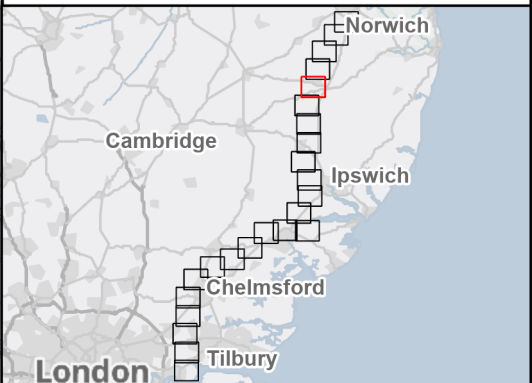
Proposed project design details

Discipline specific constraints

- Sensitive receptors

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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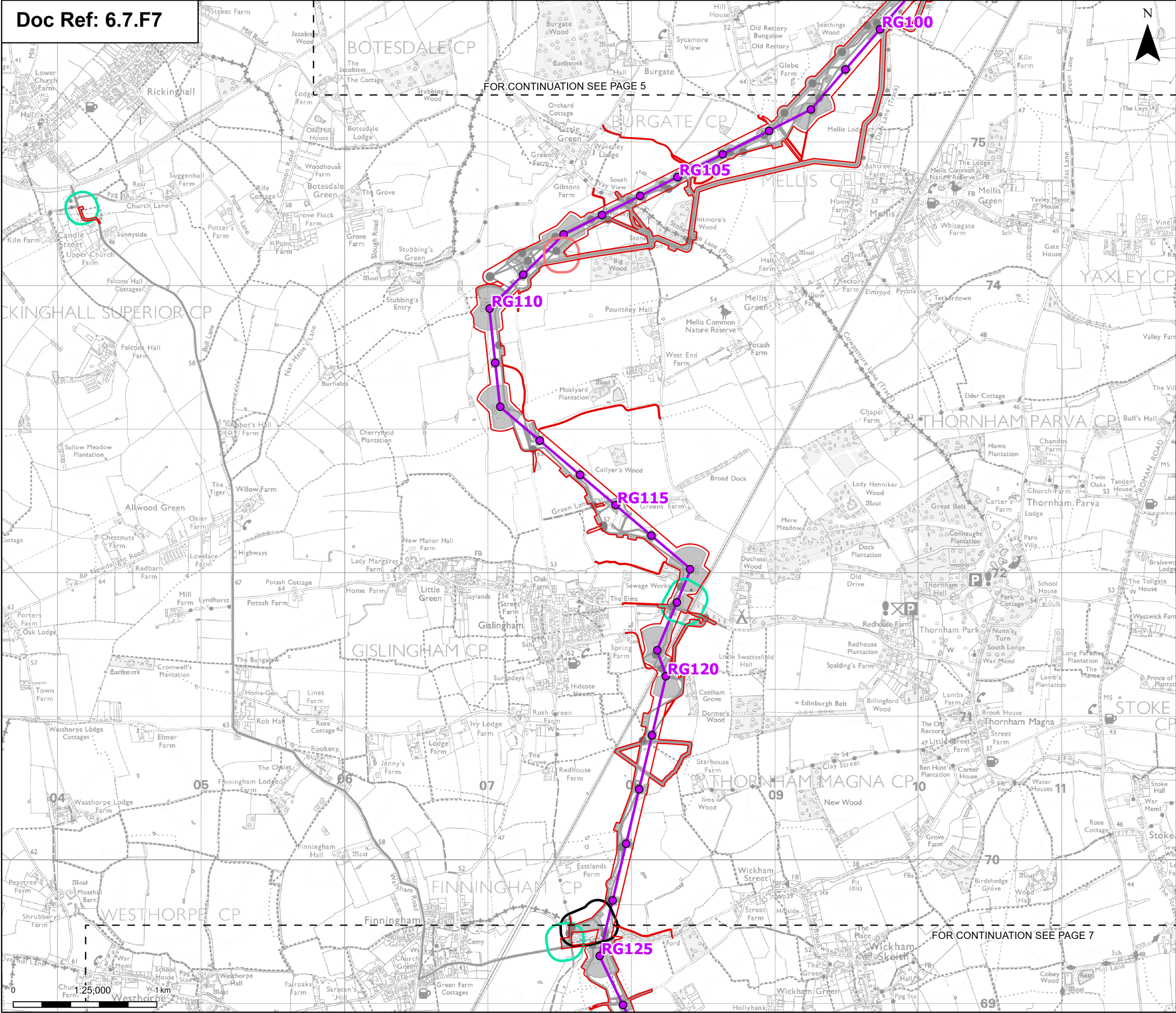
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Figure 7.7 - Air Quality - Generators
Page 5 of 24

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:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EAQ-ZZ-DR-ZZ-00438	Revision: A
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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

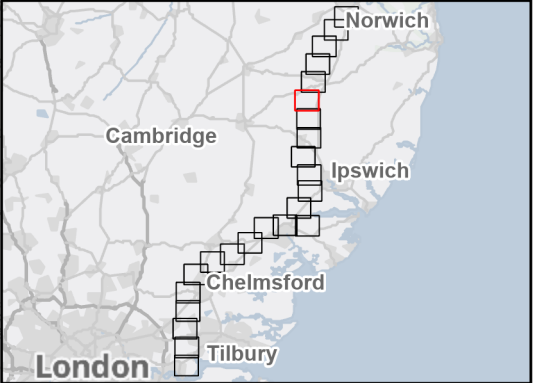
Compound area - 100 m buffer

Construction laydown areas - 100 m buffer

Highway laydown areas - 100 m buffer

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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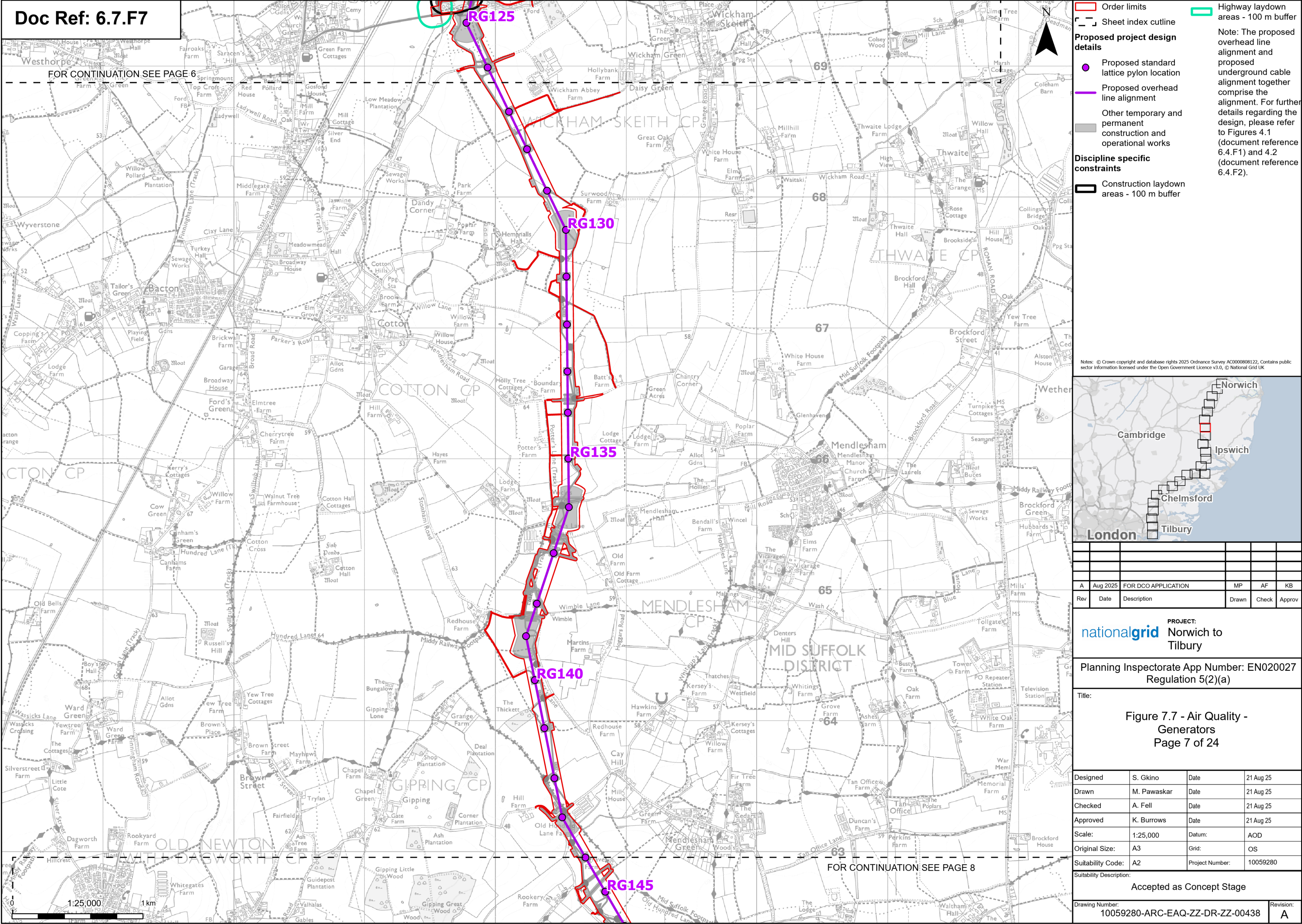
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Title:

Figure 7.7 - Air Quality - Generators
Page 6 of 24

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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-EAQ-ZZ-DR-ZZ-00438			Revision: A



FOR CONTINUATION SEE PAGE 7

FOR CONTINUATION SEE PAGE 9

Order limits

Sheet index cutline

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

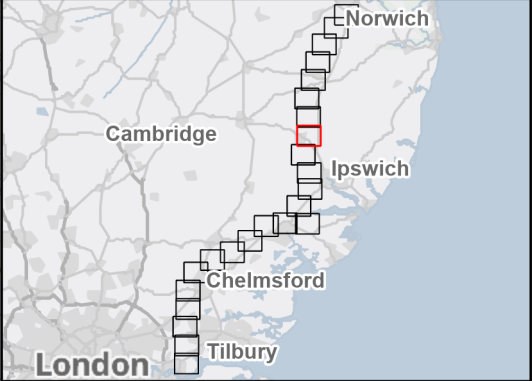
Discipline specific constraints

Sensitive receptors

Construction laydown areas - 100 m buffer

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)

Title:

Figure 7.7 - Air Quality -
Generators
Page 8 of 24

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
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Suitability Code:	A2	Project Number:	10059280

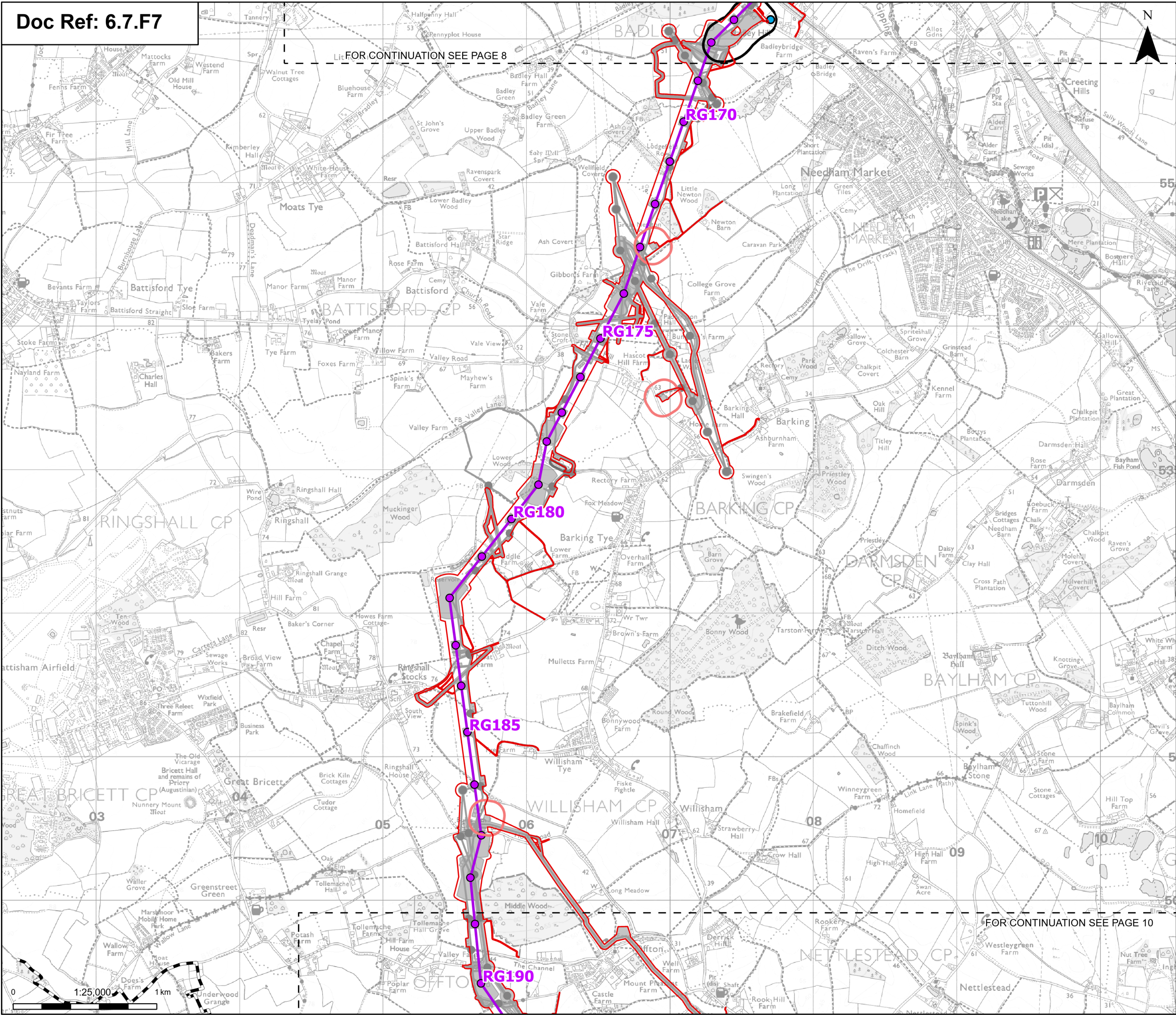
Suitability Description:
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Drawing Number:
10059280-ARC-EAQ-ZZ-DR-ZZ-00438

Revision:
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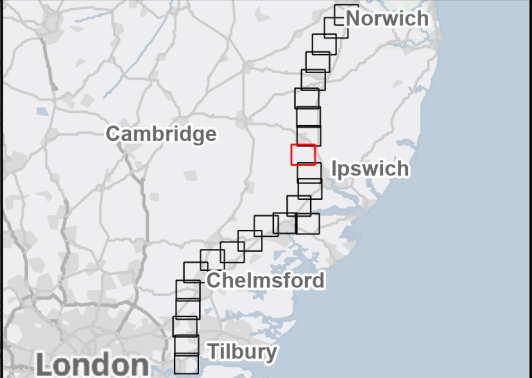
FOR CONTINUATION SEE PAGE 8

FOR CONTINUATION SEE PAGE 10



- Proposed project design details**
- Order limits
 - Sheet index cutline
 - Project section line
 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Environmental mitigation
 - Other temporary and permanent construction and operational works
 - Compound area - 100 m buffer
 - Construction laydown areas - 100 m buffer
- Discipline specific constraints**
- Sensitive receptors
- 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

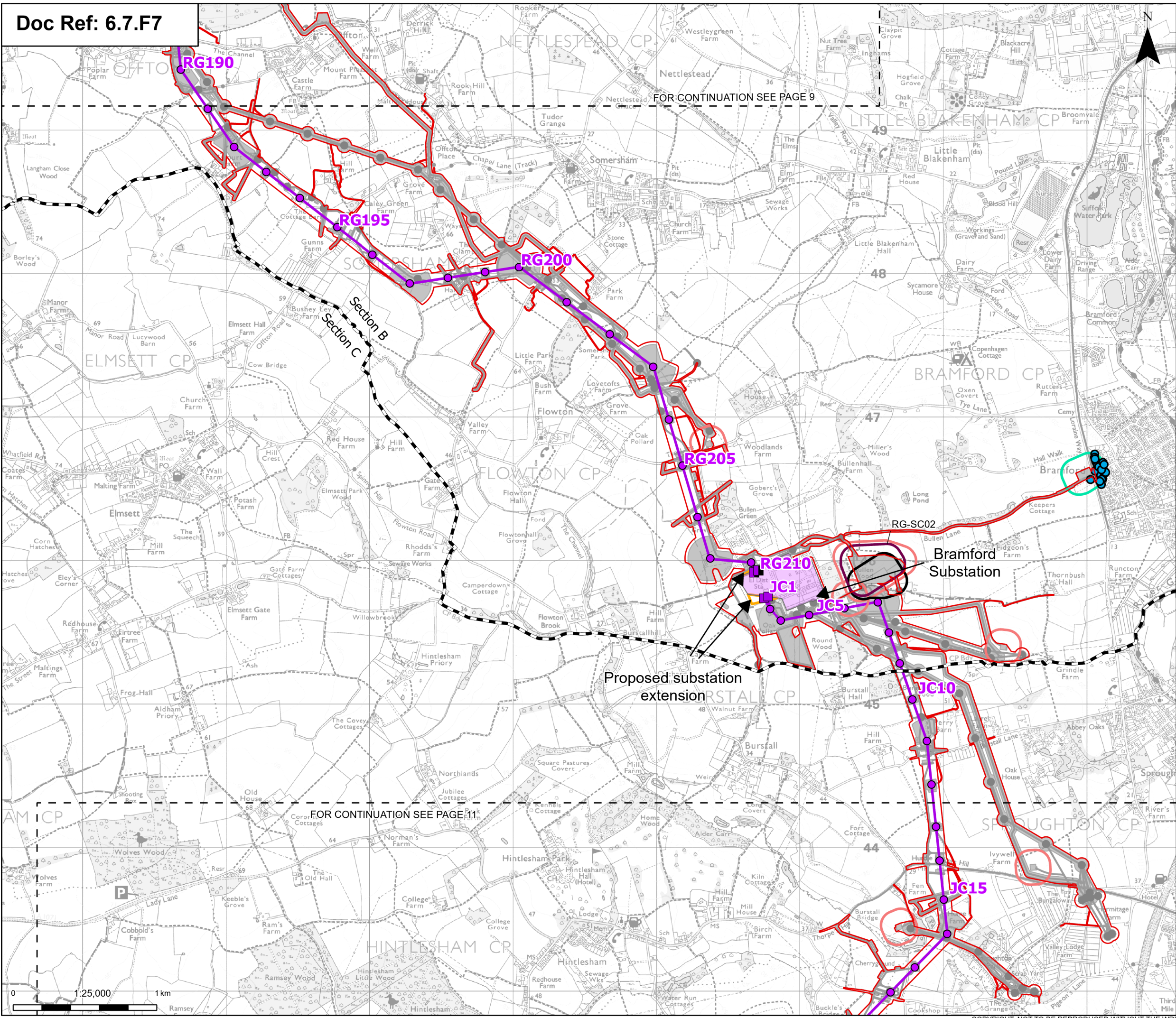
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Title: **Figure 7.7 - Air Quality - Generators**
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Designed	S. Gkino	Date	21 Aug 25
Drawn	M. Pawaskar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EAQ-ZZ-DR-ZZ-00438
Revision: A



Order limits

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed full line tension gentry
- Proposed low duty gentry
- 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

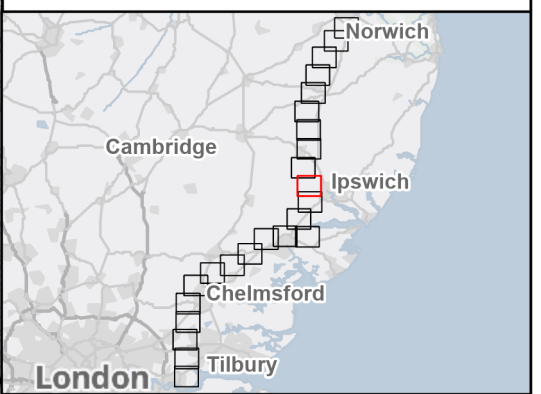
- Sensitive receptors

Substation compound - 100 m buffer

- Compound area - 100 m buffer
- Construction laydown areas - 100 m buffer
- Highway laydown areas - 100 m buffer

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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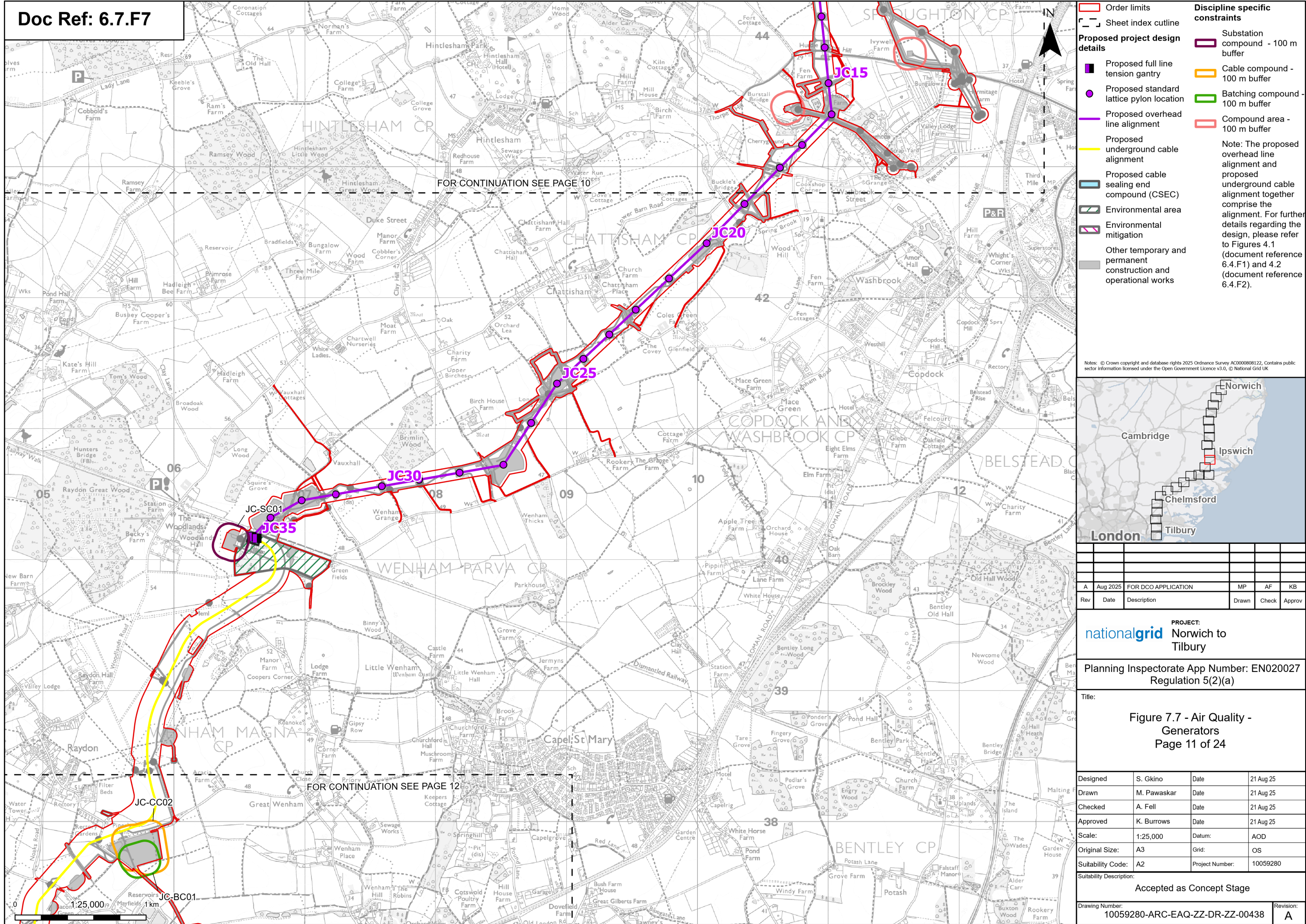
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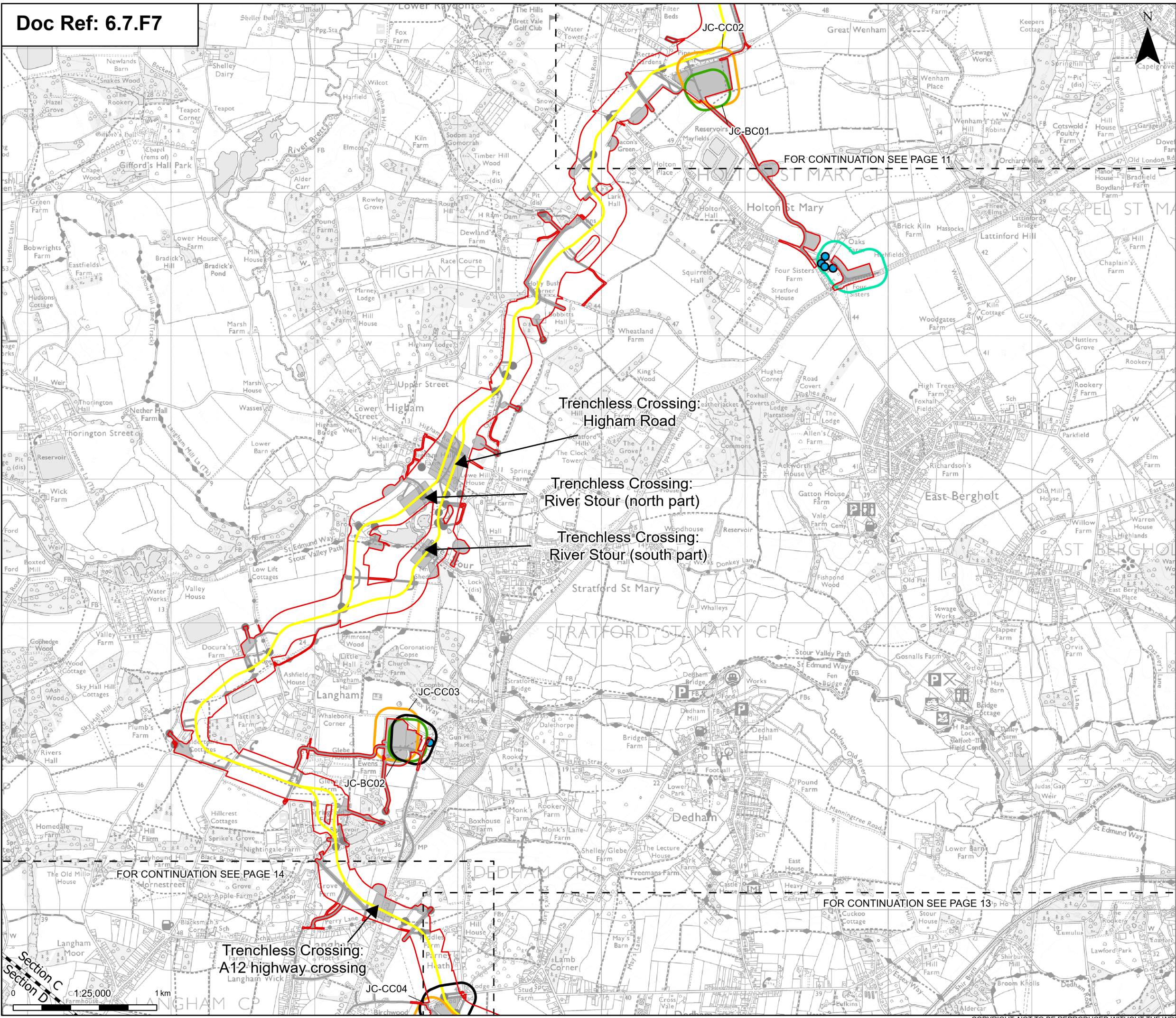
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Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number:	10059280-ARC-EAQ-ZZ-DR-ZZ-00438	Revision:	A
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Order limits

Sheet index cutline

Project section line

Proposed project design details

Proposed underground cable alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

Sensitive receptors

Cable compound - 100 m buffer

Batching compound - 100 m buffer

Construction laydown areas - 100 m buffer

Highway laydown areas - 100 m buffer

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

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Title:

Figure 7.7 - Air Quality - Generators
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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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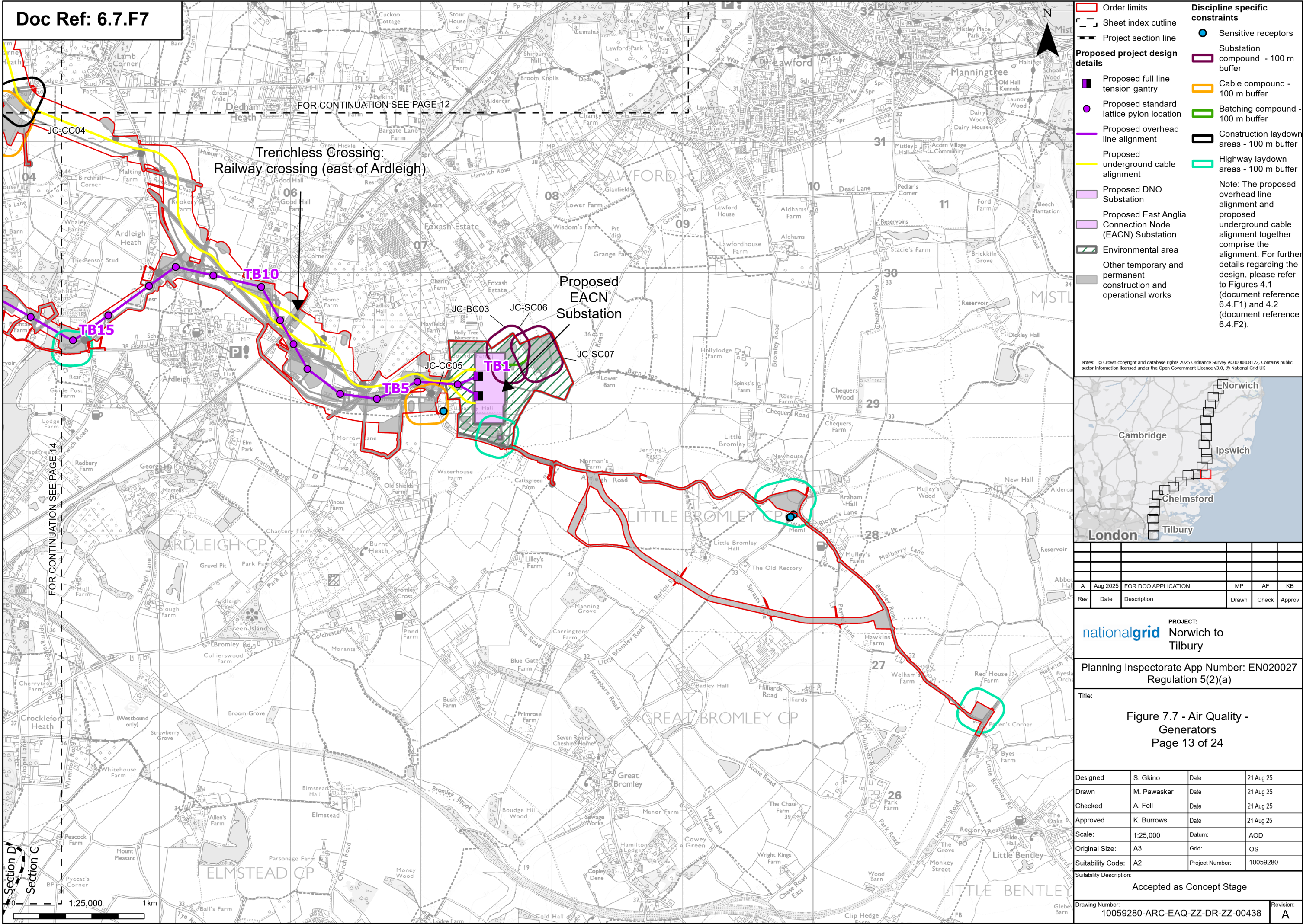
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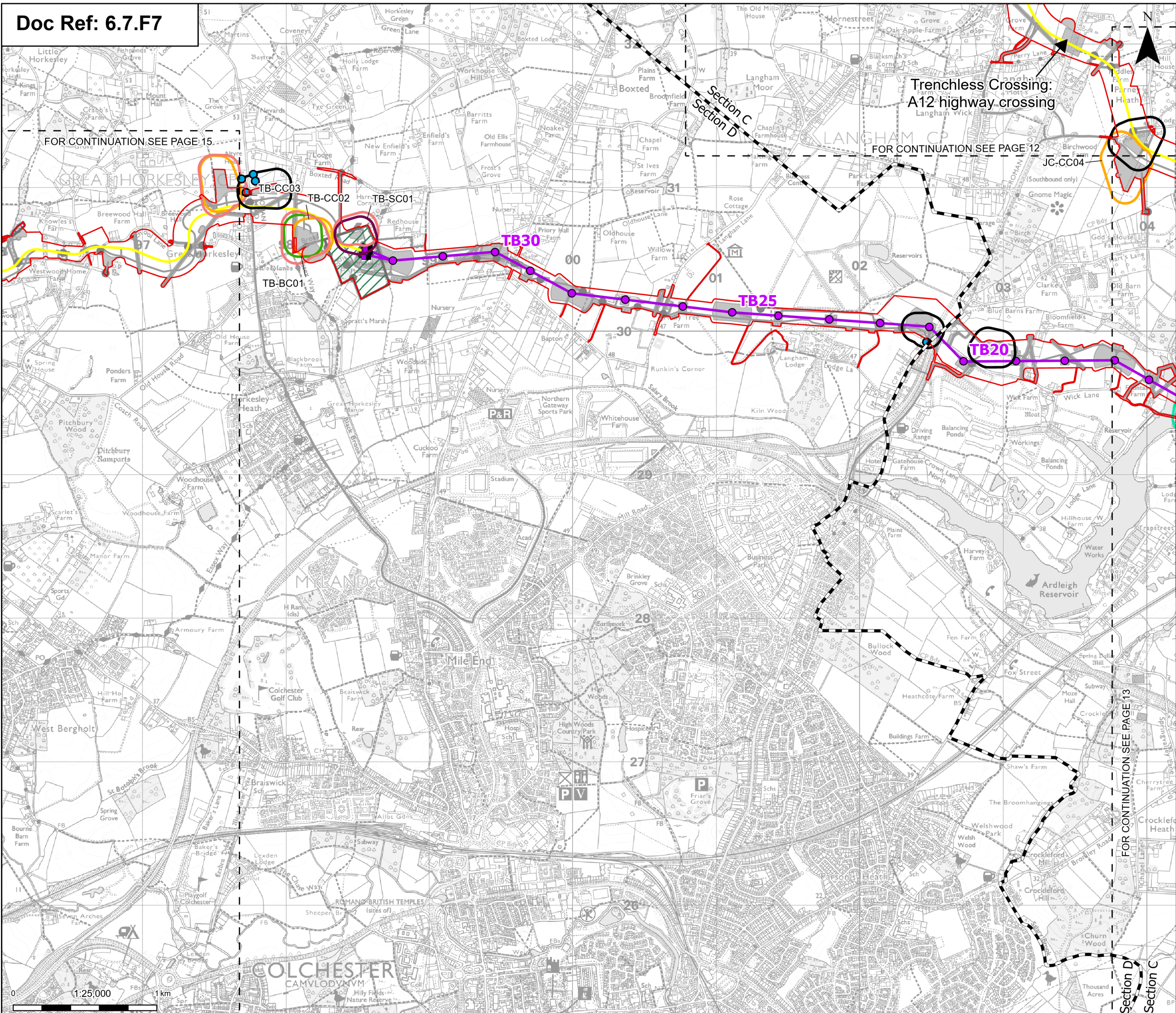
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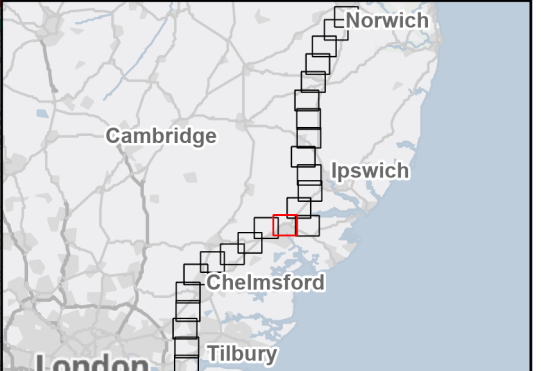
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- Proposed project design details**
- Order limits
 - Sheet index cutline
 - Project section line
 - Proposed full line tension gantry
 - Proposed standard lattice pylon location
 - Proposed overhead line alignment
 - Proposed underground cable alignment
 - Proposed cable sealing end compound (CSEC)
 - Environmental area
 - Environmental mitigation
 - Other temporary and permanent construction and operational works
 - Substation compound - 100 m buffer
 - Cable compound - 100 m buffer
 - Batching compound - 100 m buffer
 - Compound area - 100 m buffer
 - Construction laydown areas - 100 m buffer
 - Highway laydown areas - 100 m buffer
- Discipline specific constraints**
- Sensitive receptors
- 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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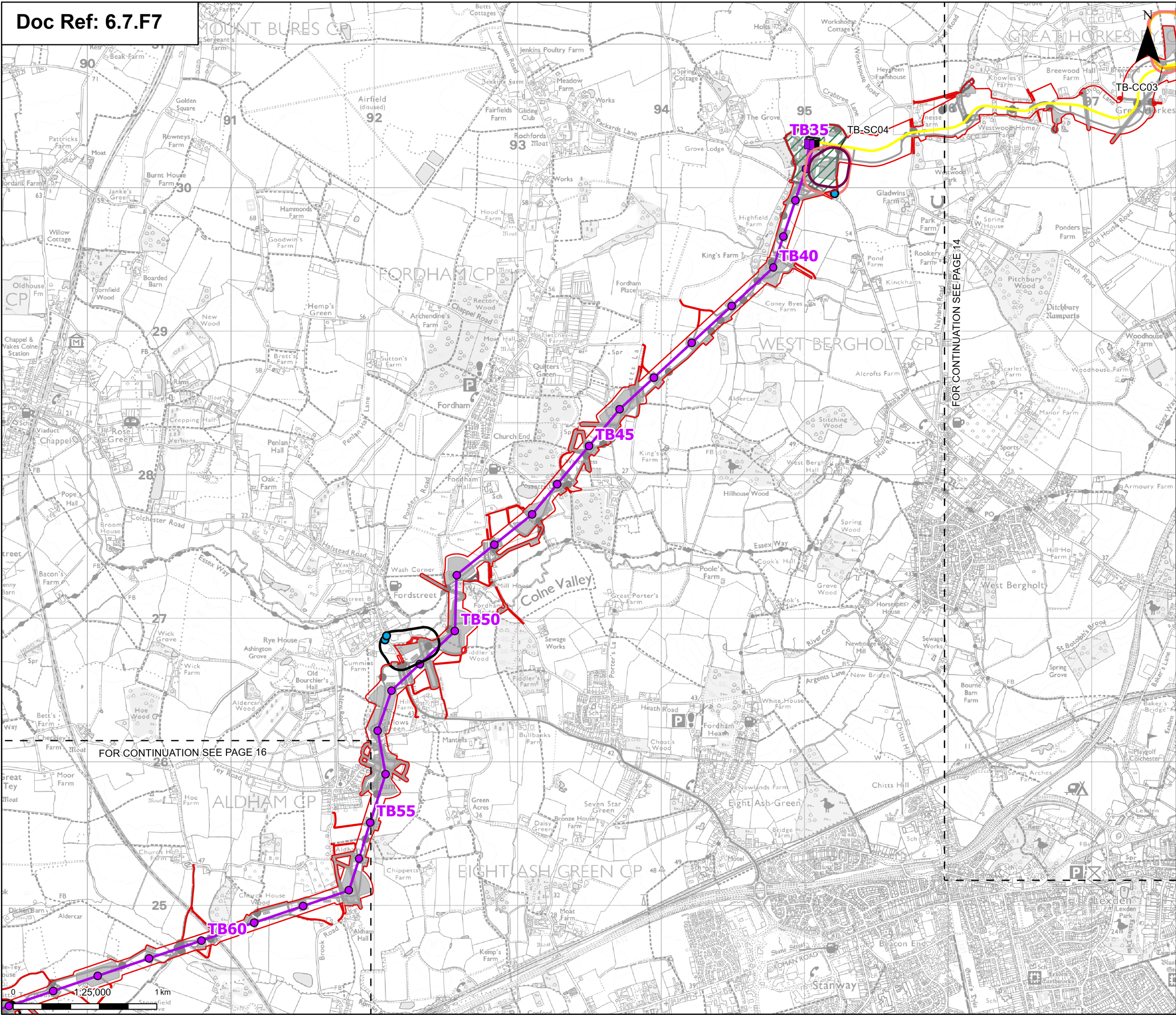
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Figure 7.7 - Air Quality - Generators
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10059280-ARC-EAQ-ZZ-DR-ZZ-00438

Revision:
A



Order limits

Sheet index cutline

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

Substation compound - 100 m buffer

Cable compound - 100 m buffer

Compound area - 100 m buffer

Construction laydown areas - 100 m buffer

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 7.7 - Air Quality - Generators
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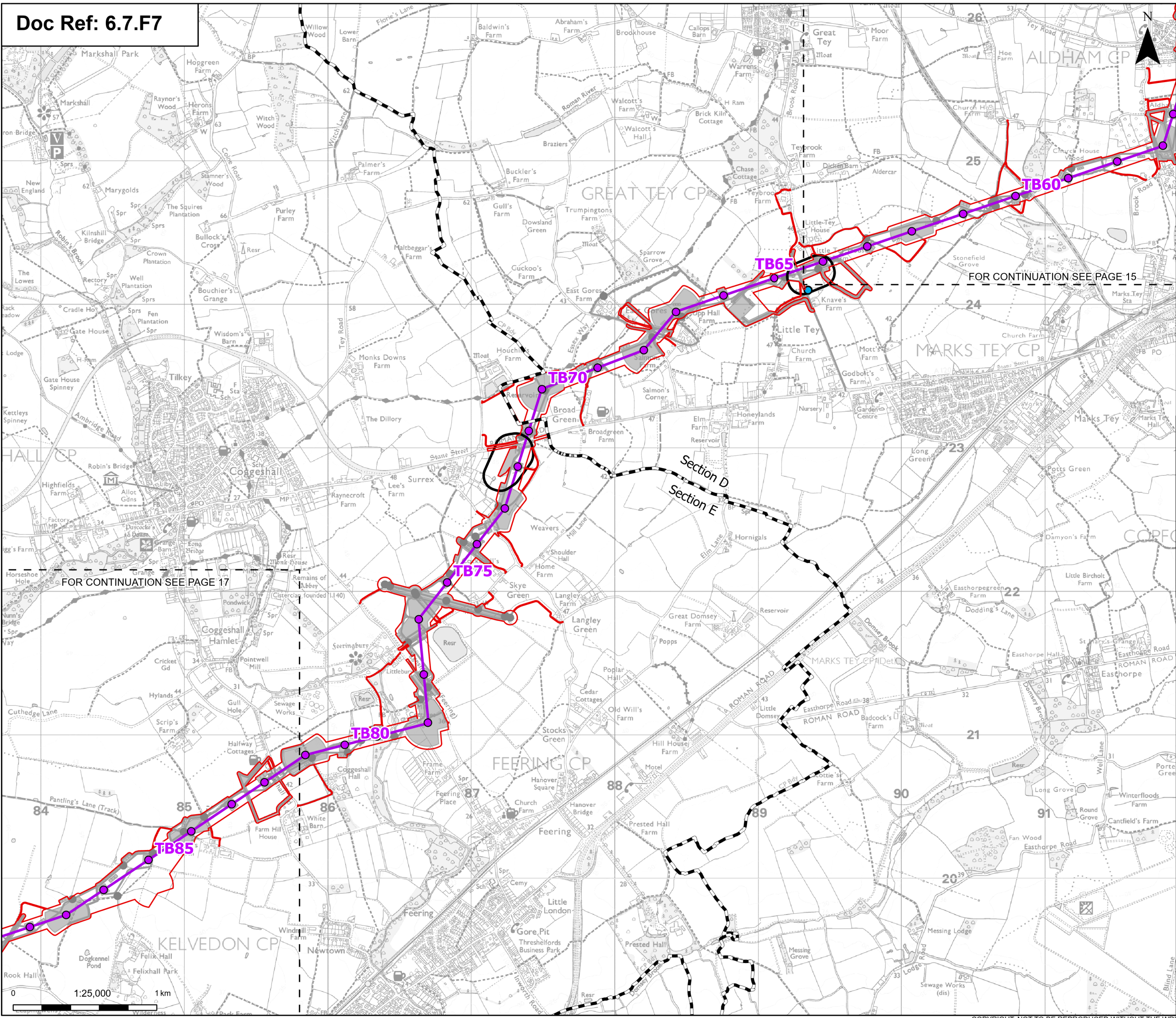
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- Sheet index cutline
- Project section line

Proposed project design details

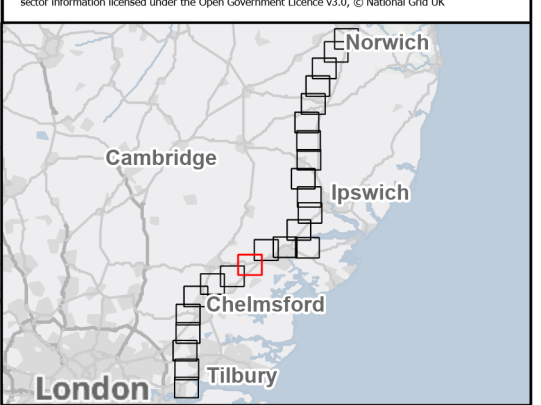
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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Sensitive receptors
- Construction laydown areas - 100 m buffer

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	MP	AF	KB

PROJECT:
nationalgrid Norwich to Tilbury

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

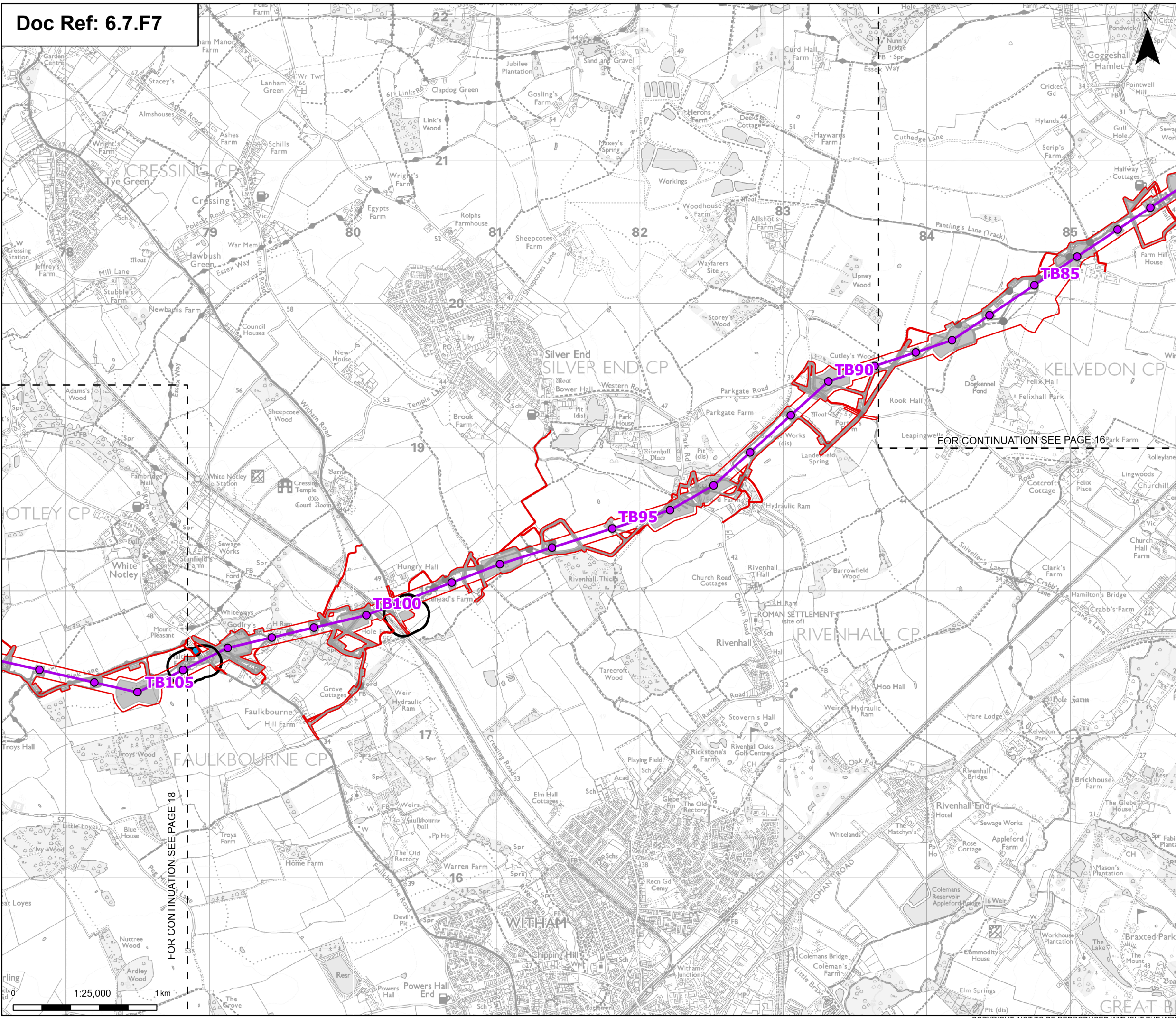
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Figure 7.7 - Air Quality - Generators
Page 16 of 24

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:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EAQ-ZZ-DR-ZZ-00438

Revision:
A



Order limits

Sheet index cutline

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

Sensitive receptors

Construction laydown areas - 100 m buffer

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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Rev	Date	Description	Drawn	Check	Approv

PROJECT:

nationalgrid

Norwich to Tilbury

Planning Inspectorate App Number: EN020027

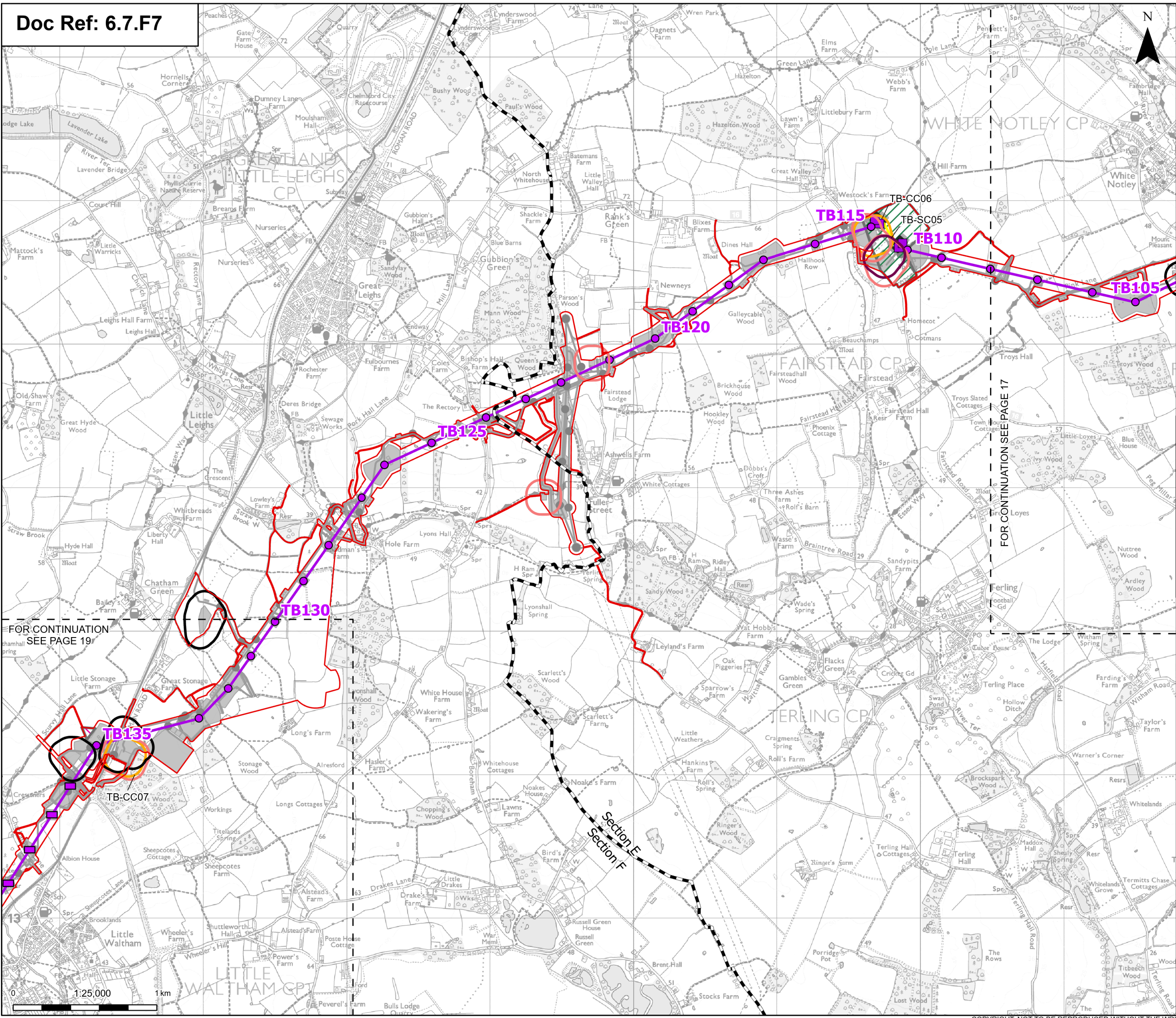
Regulation 5(2)(a)

Title:

Figure 7.7 - Air Quality - Generators

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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:			
Accepted as Concept Stage			
Drawing Number:	10059280-ARC-EAQ-ZZ-DR-ZZ-00438		Revision:
			A



Order limits

Sheet index cutline

Project section line

Proposed project design details

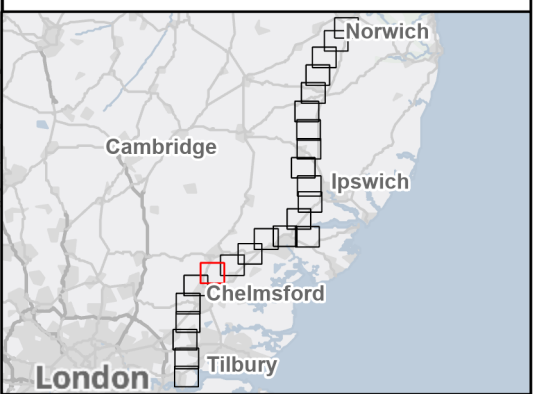
- Proposed low duty gantry
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent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

Discipline specific constraints

- Substation compound - 100 m buffer
- Cable compound - 100 m buffer
- Compound area - 100 m buffer
- Construction laydown areas - 100 m buffer

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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Section E
Section F

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A	Aug 2025	FOR DCO APPLICATION	MP	AF	KB

PROJECT:
nationalgrid Norwich to Tilbury

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

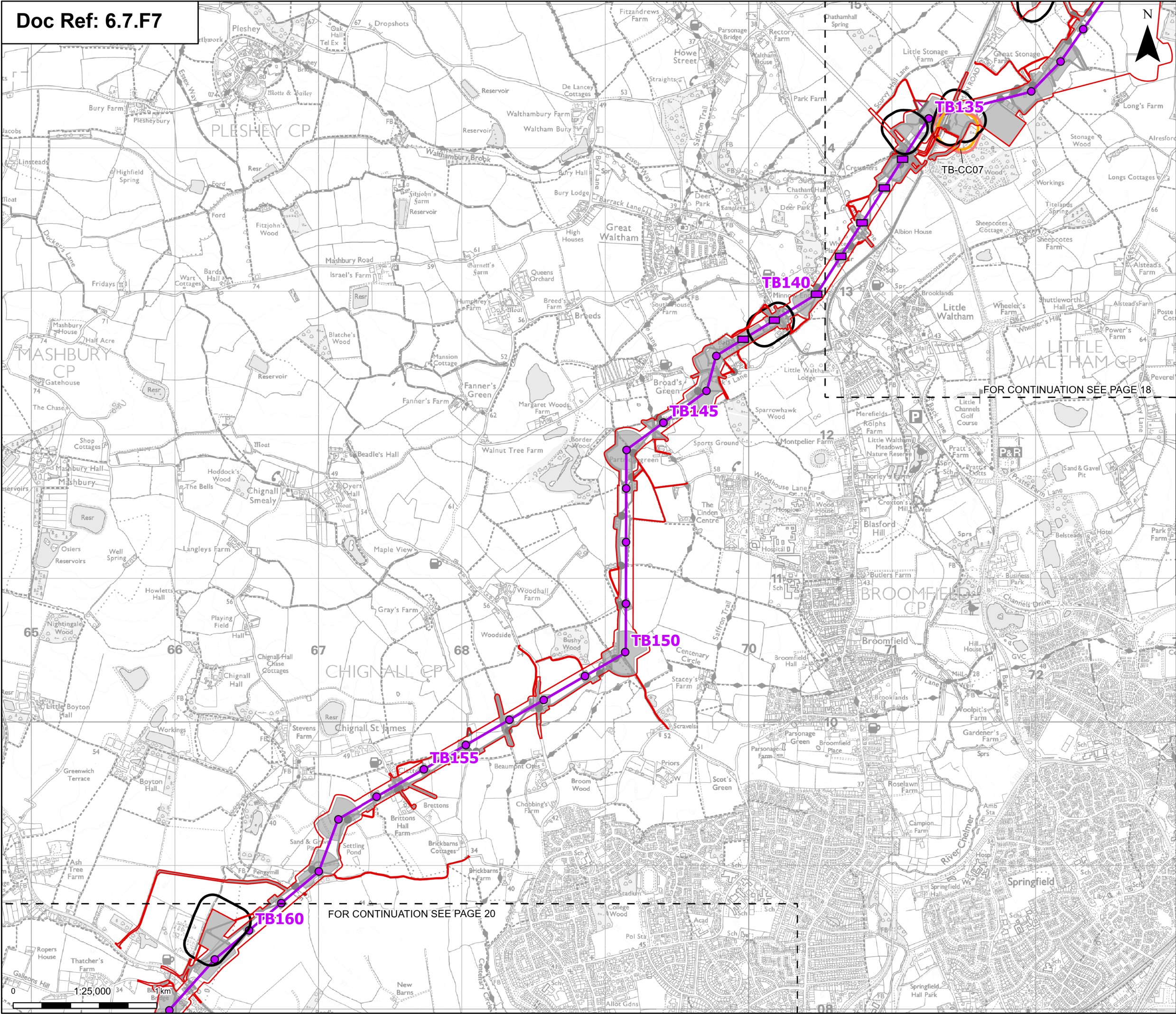
Title:
Figure 7.7 - Air Quality - Generators
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Designed	S. Gkino	Date	21 Aug 25
Drawn	M. Pawaskar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number:
10059280-ARC-EAQ-ZZ-DR-ZZ-00438

Revision:
A



- Order limits

Sheet index cutline

Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

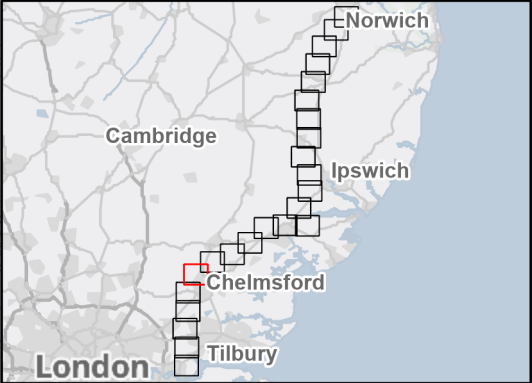
Other temporary and permanent construction and operational works
- Compound area - 100 m buffer

Construction laydown areas - 100 m buffer
- 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).

Discipline specific constraints

Cable compound - 100 m buffer

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PROJECT:
nationalgrid Norwich to Tilbury

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Title:

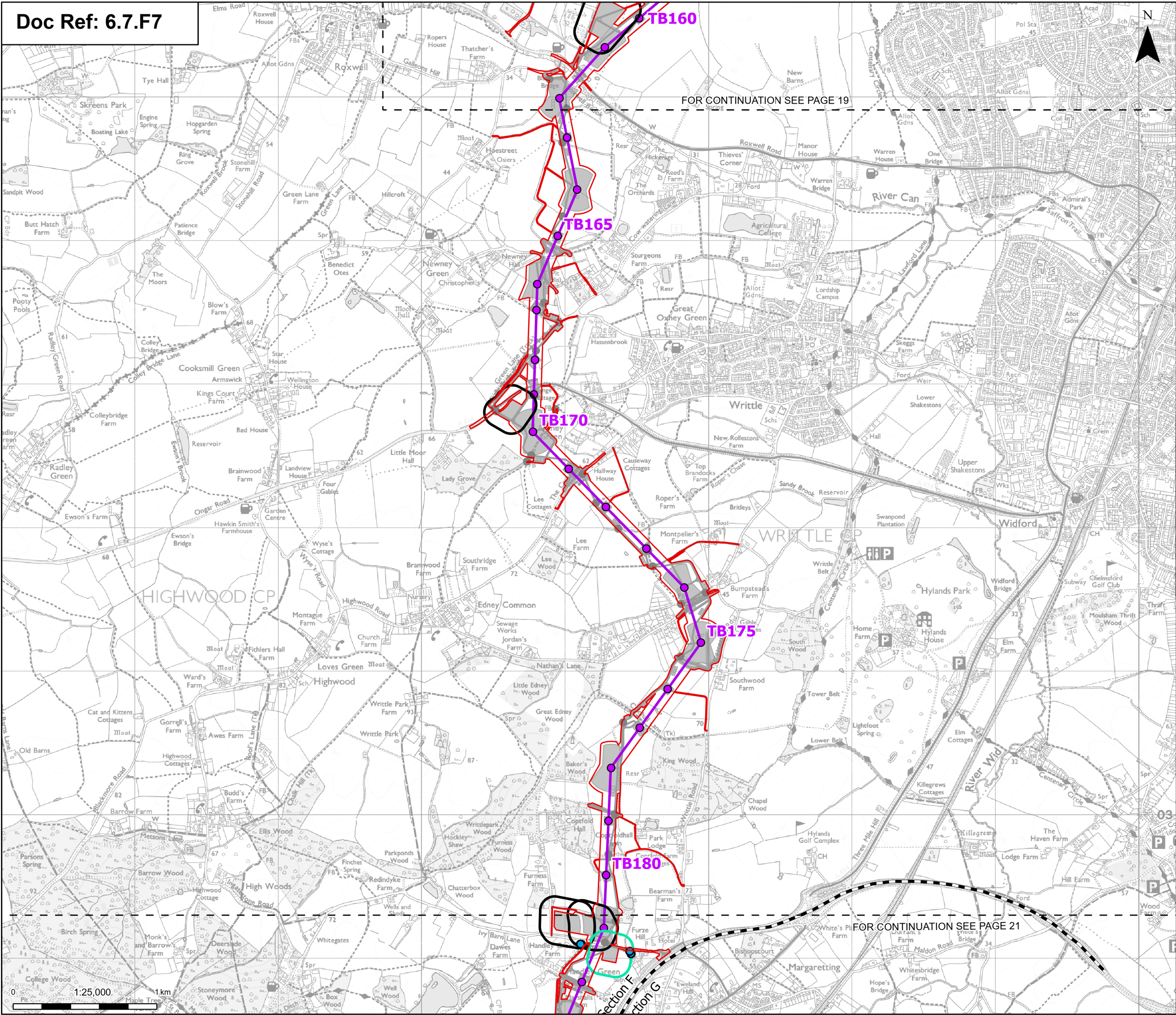
Figure 7.7 - Air Quality -
Generators
Page 19 of 24

Designed	S. Gkino	Date	21 Aug 25
Drawn	M. Pawaskar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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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-00438

Revision:
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Order limits

Sheet index cutline

Project section line

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

Sensitive receptors

Construction laydown areas - 100 m buffer

Highway laydown areas - 100 m buffer

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)

Title:

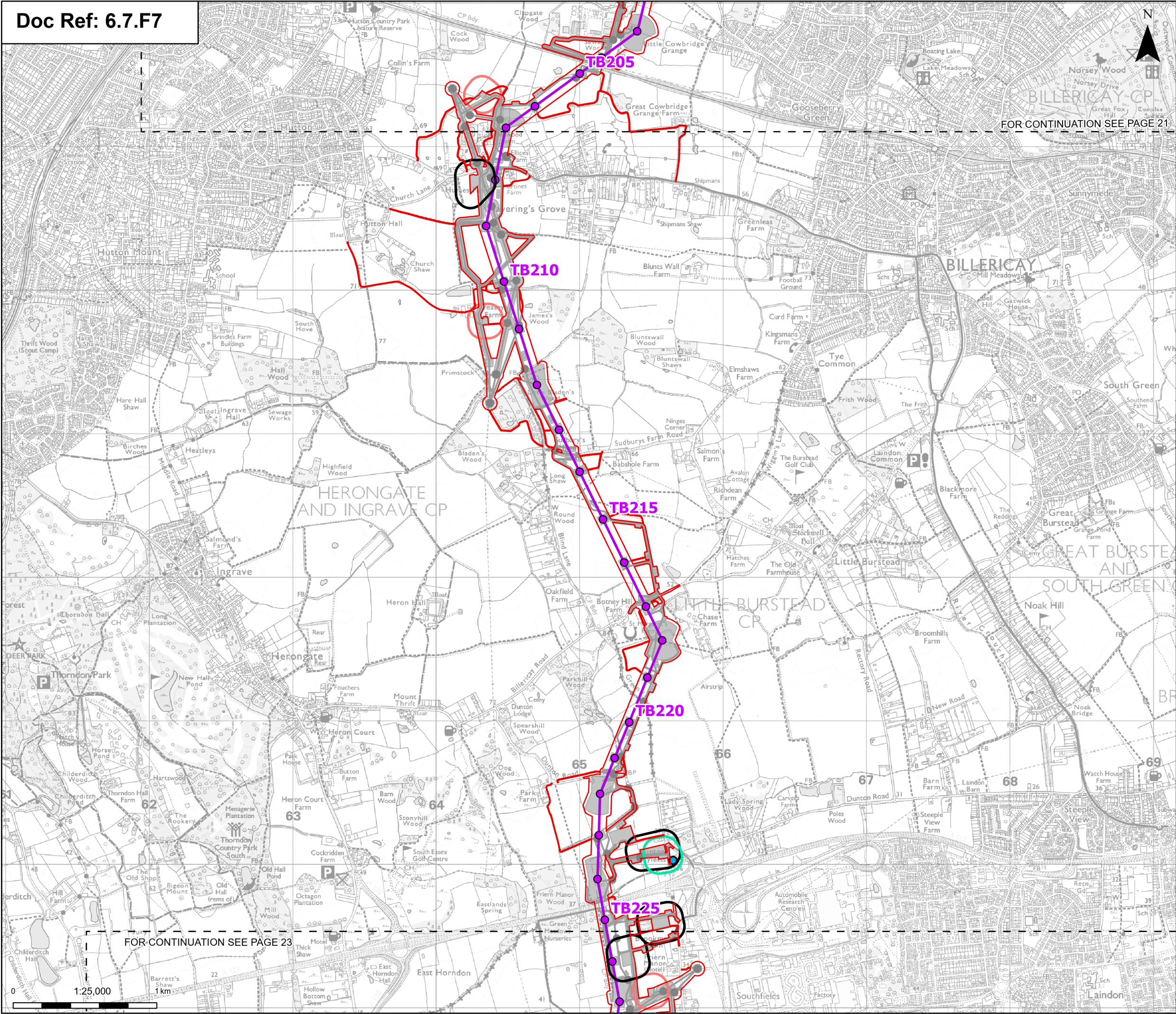
Figure 7.7 - Air Quality - Generators
Page 20 of 24

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

Suitability Description:
Accepted as Concept Stage

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Order limits

Sheet index cutline

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

Compound area - 100 m buffer

Construction laydown areas - 100 m buffer

Highway laydown areas - 100 m buffer

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)

Title:

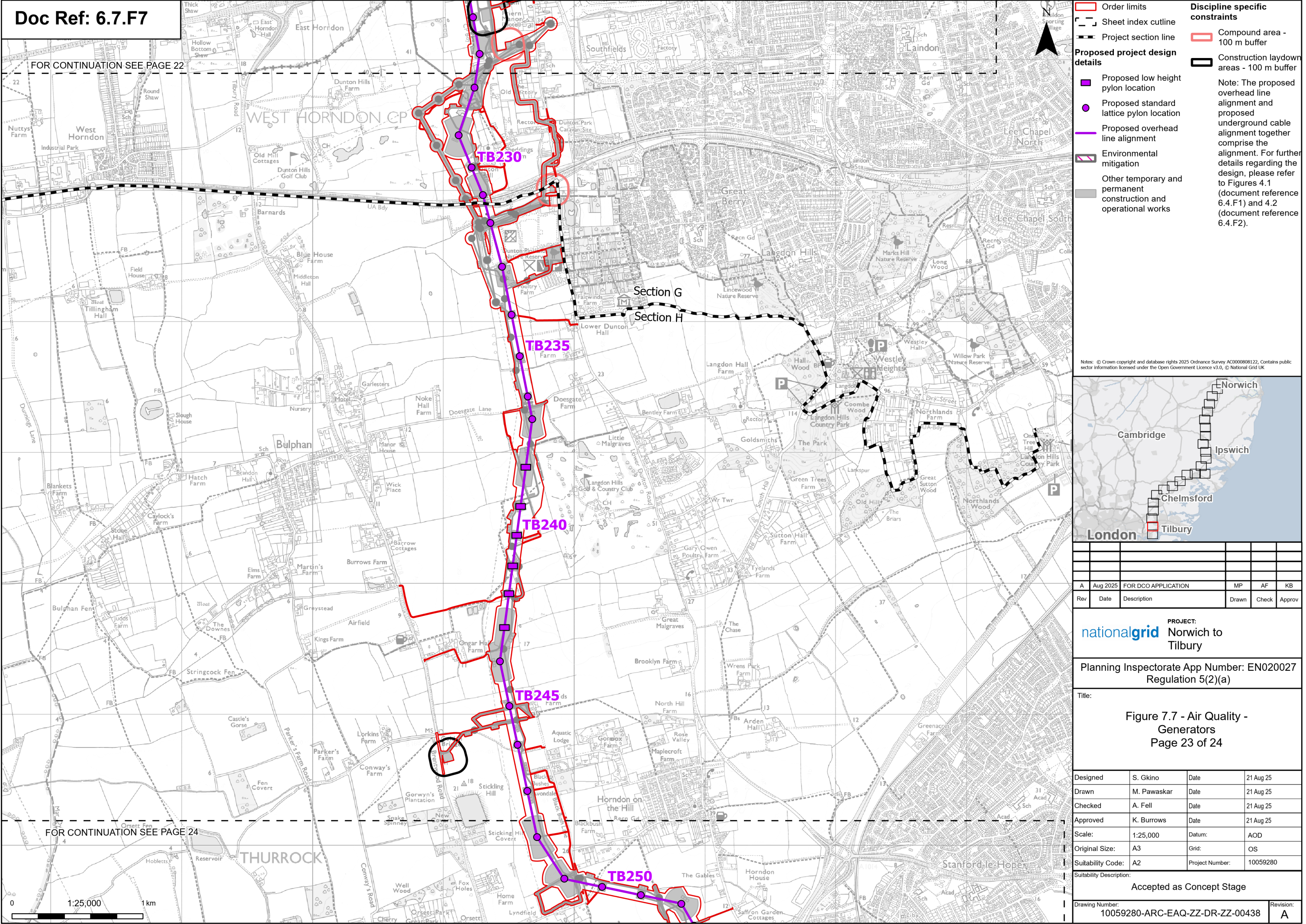
Figure 7.7 - Air Quality - Generators
Page 22 of 24

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:			

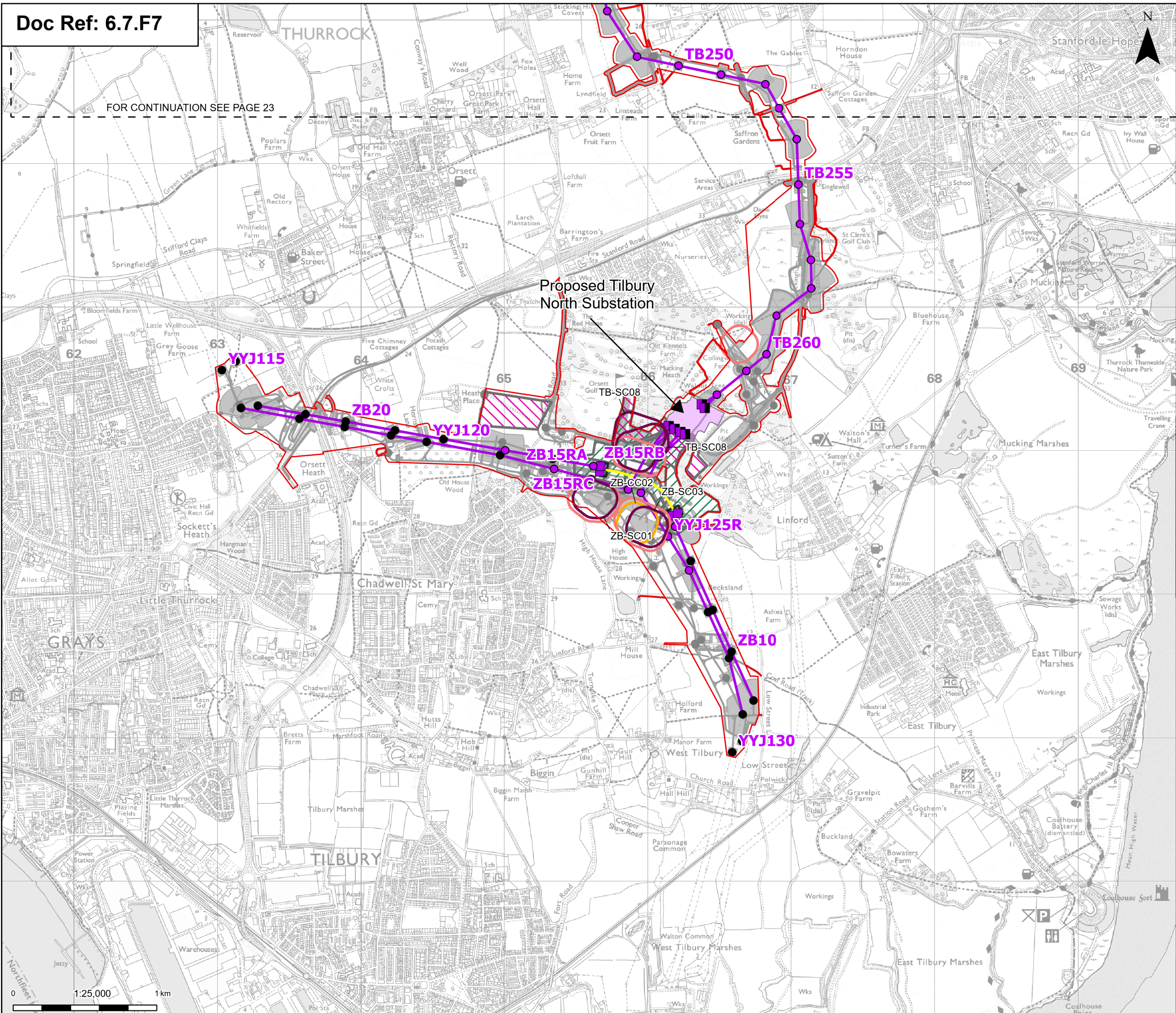
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EAQ-ZZ-DR-ZZ-00438	Revision: A
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Order limits

Sheet index cutline

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

Substation compound - 100 m buffer

Cable compound - 100 m buffer

Compound area - 100 m buffer

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).

A	Aug 2025	FOR DCO APPLICATION	MP	AF	KB
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PROJECT:
nationalgrid Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure 7.7 - Air Quality - Generators
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Designed	S. Gkino	Date	21 Aug 25
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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-EAQ-ZZ-DR-ZZ-00438			Revision: A

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