

Norwich to Tilbury

Volume 6: Environmental Statement

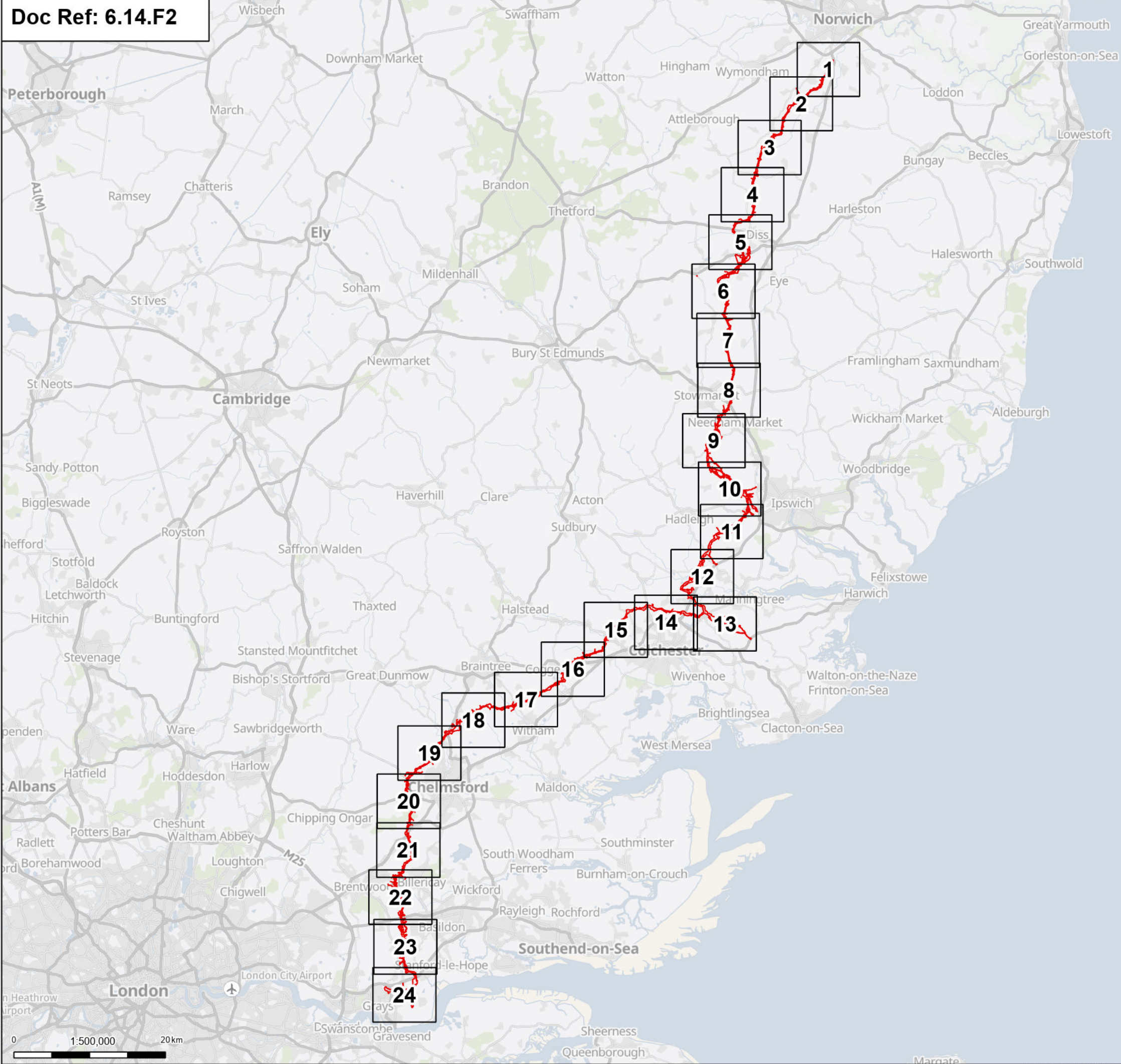
Document: 6.14.F2 Environmental Statement Figure 14.2 - Construction Noise Assessment Outputs

Final Issue A

August 2025

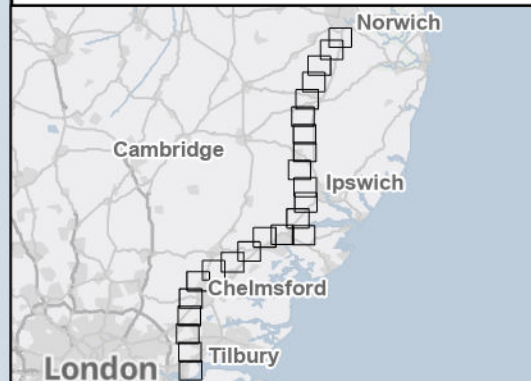
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Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(a)



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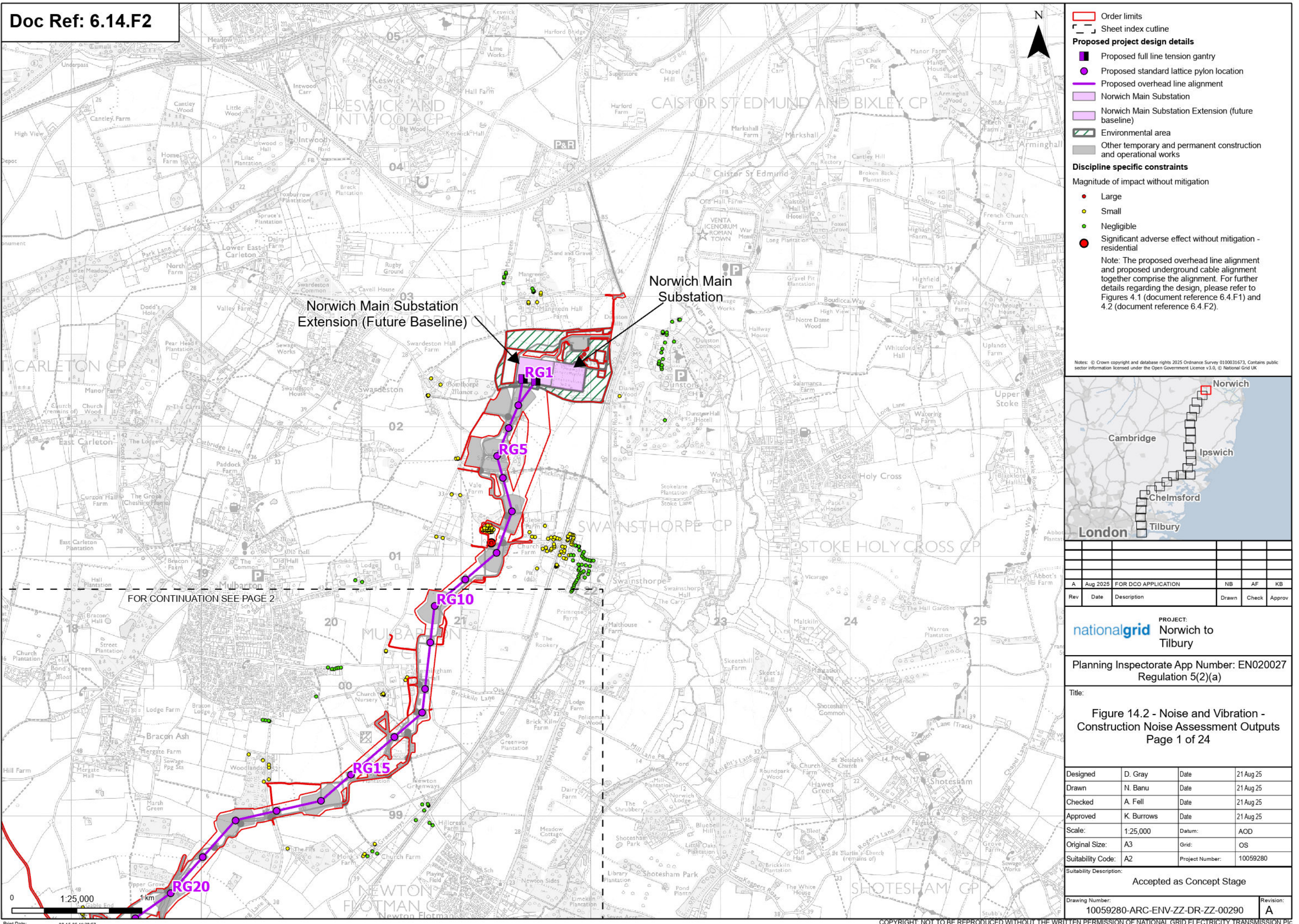
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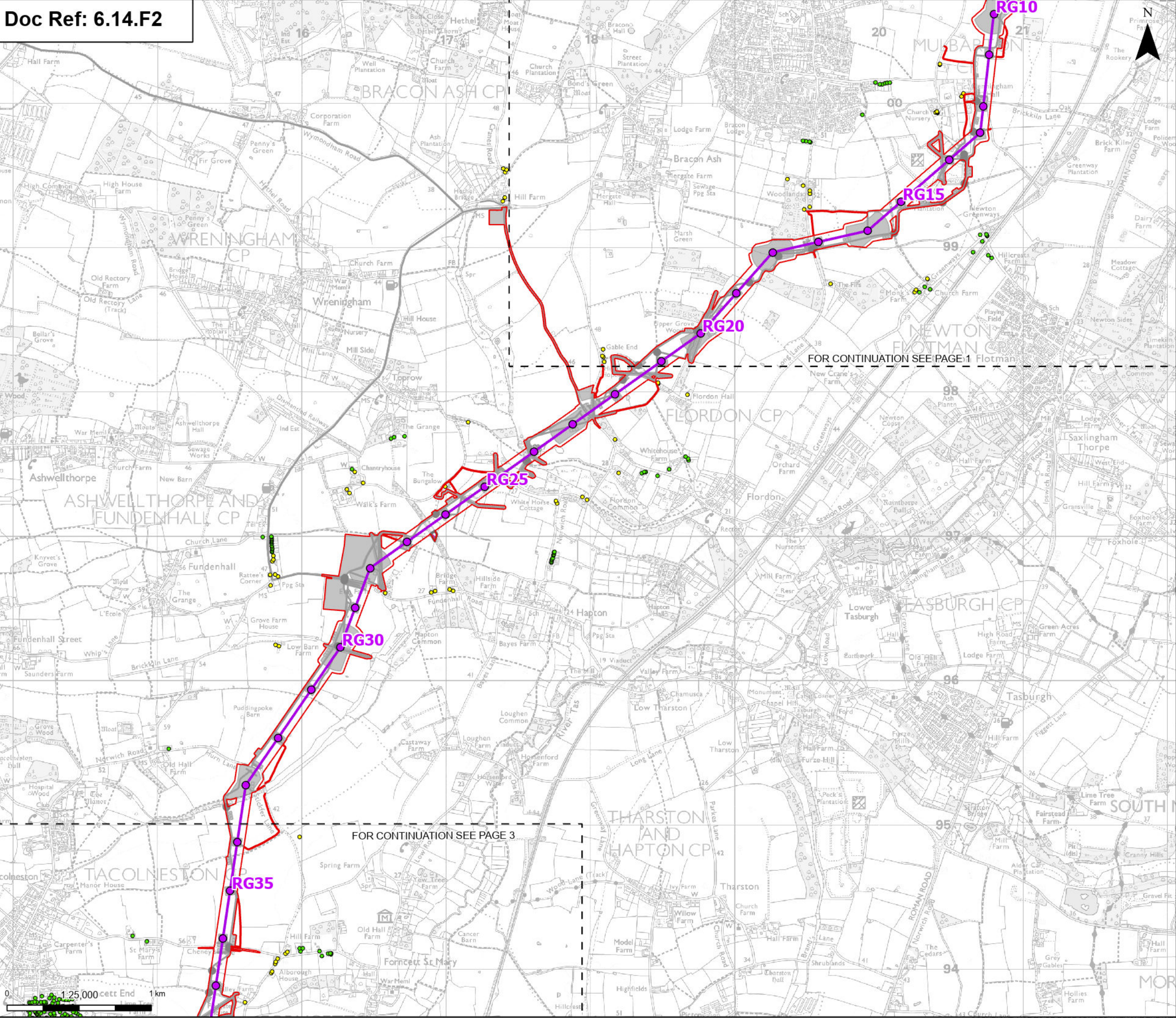
Figure 14.2 - Noise and Vibration -
Construction Noise Assessment Outputs
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:500,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:	Accepted as Concept Stage
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10059280-ARC-ENV-ZZ-DR-ZZ-00290	A





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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

Magnitude of impact without mitigation

- Small
- Negligible

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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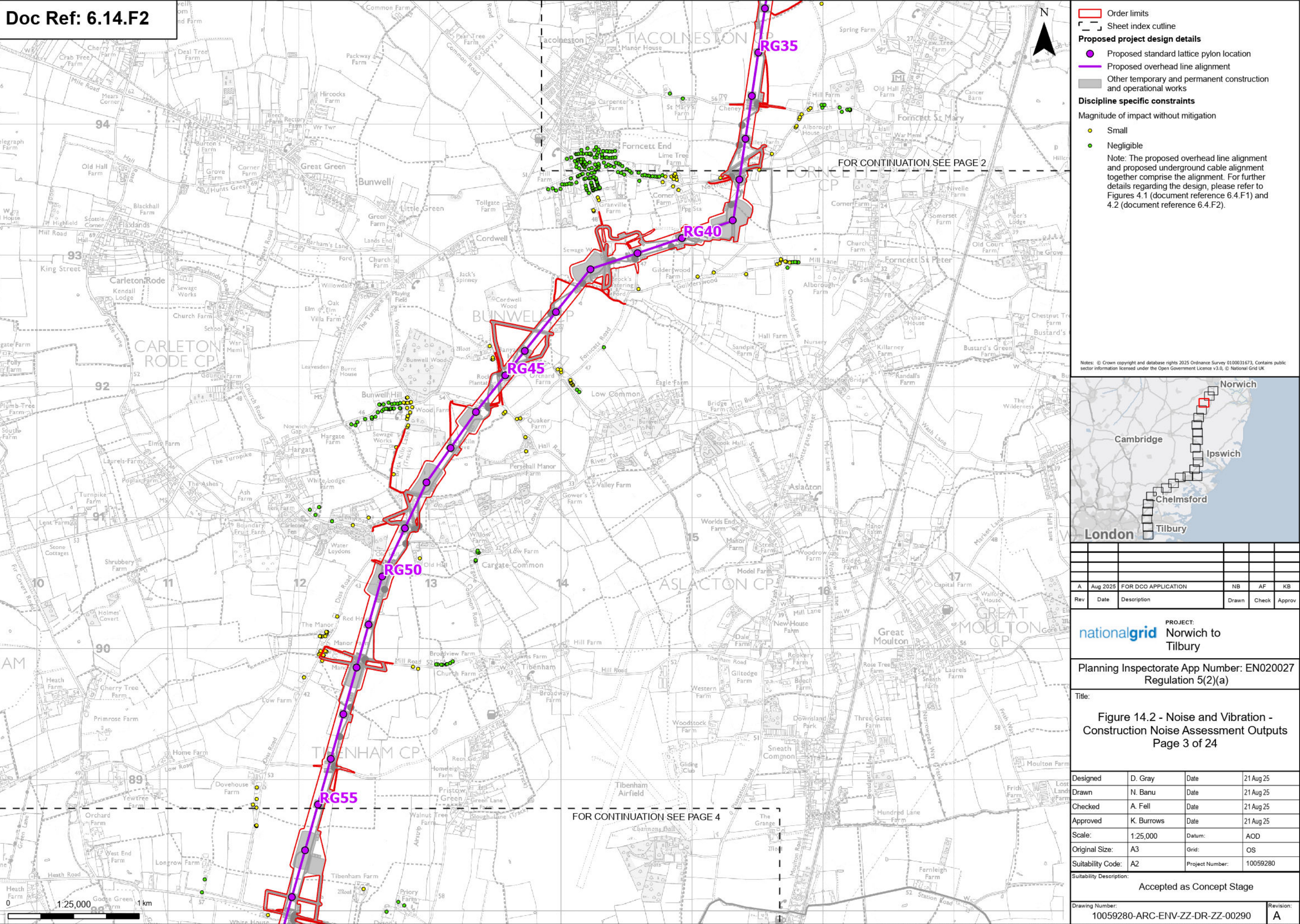
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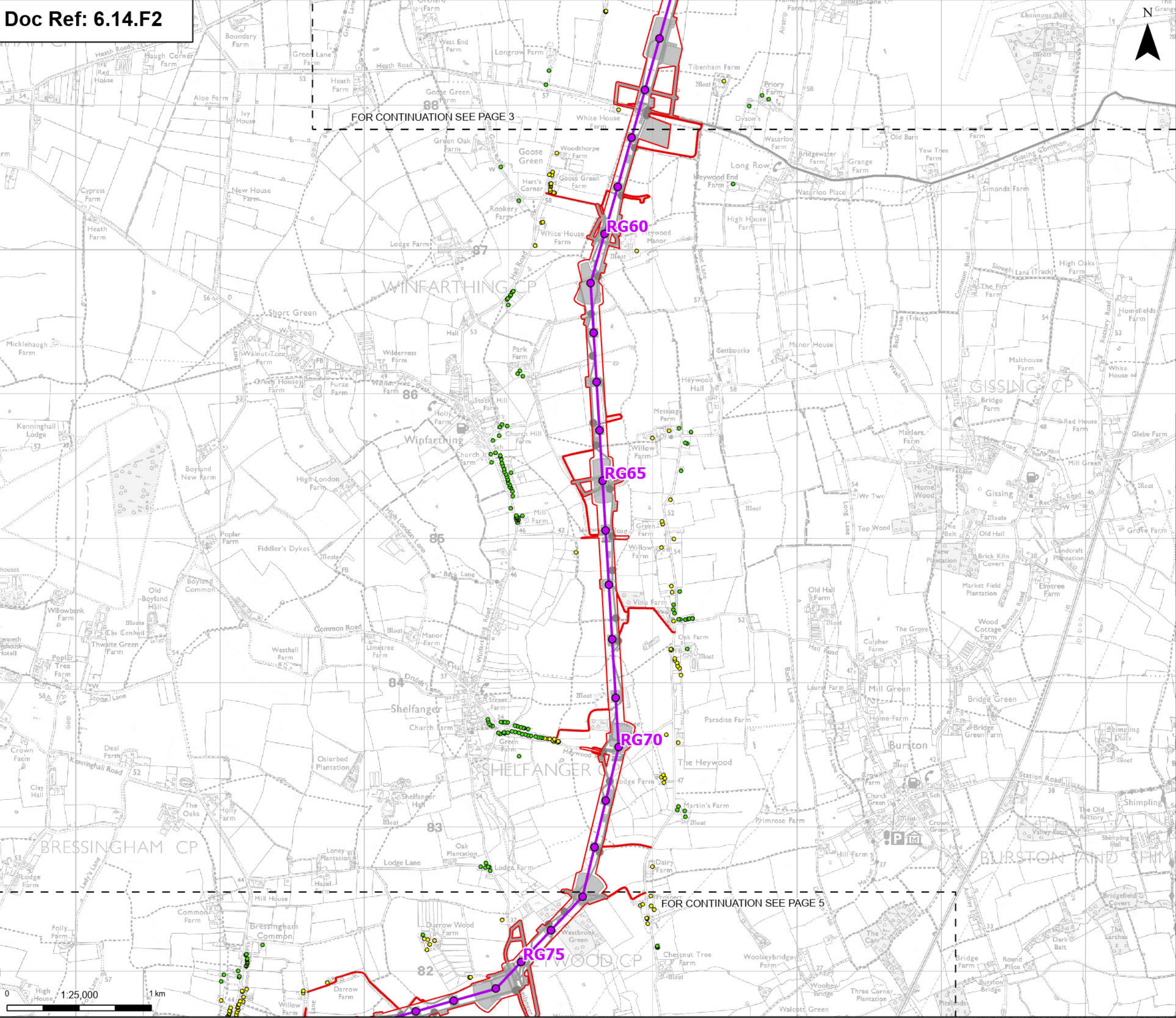
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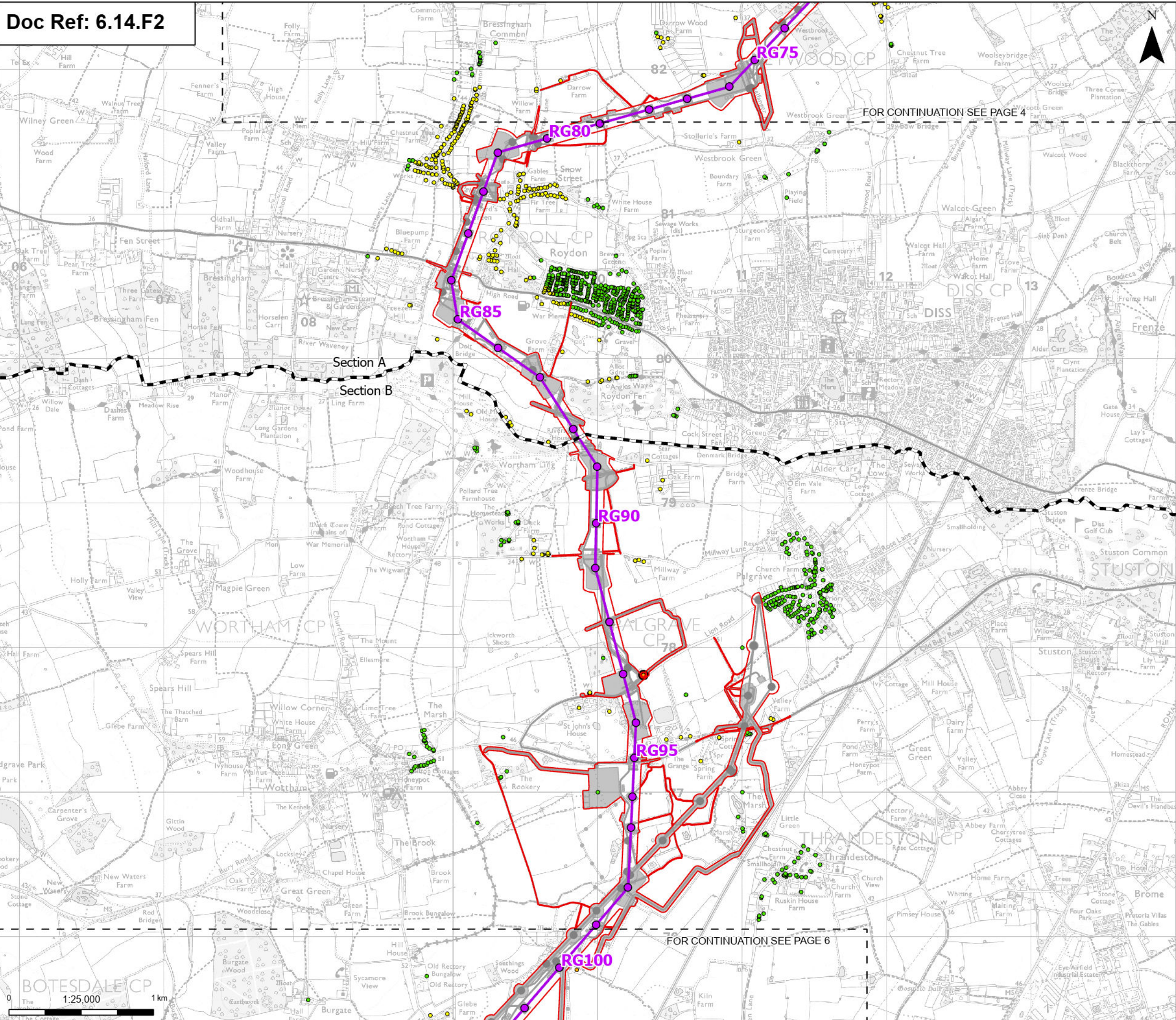
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Suitability Description:
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Project sections

Proposed project design details

- Proposed standard lattice pylon location
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Discipline specific constraints

Magnitude of impact without mitigation

- Medium
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- Significant adverse effect without mitigation - residential

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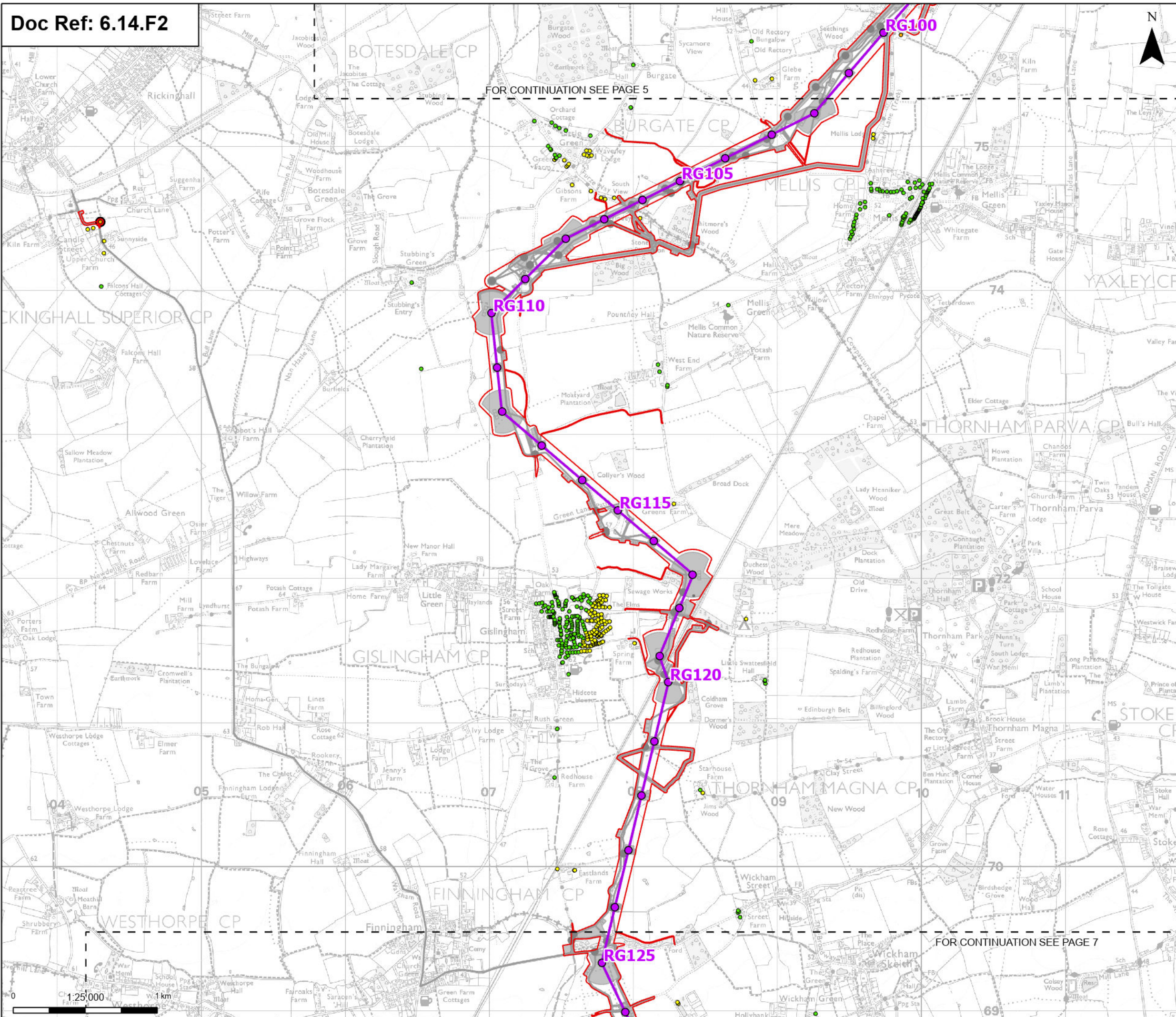
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Location Map

Map showing the project route from Norwich to Tilbury, passing through Cambridge, Ipswich, Chelmsford, and London.

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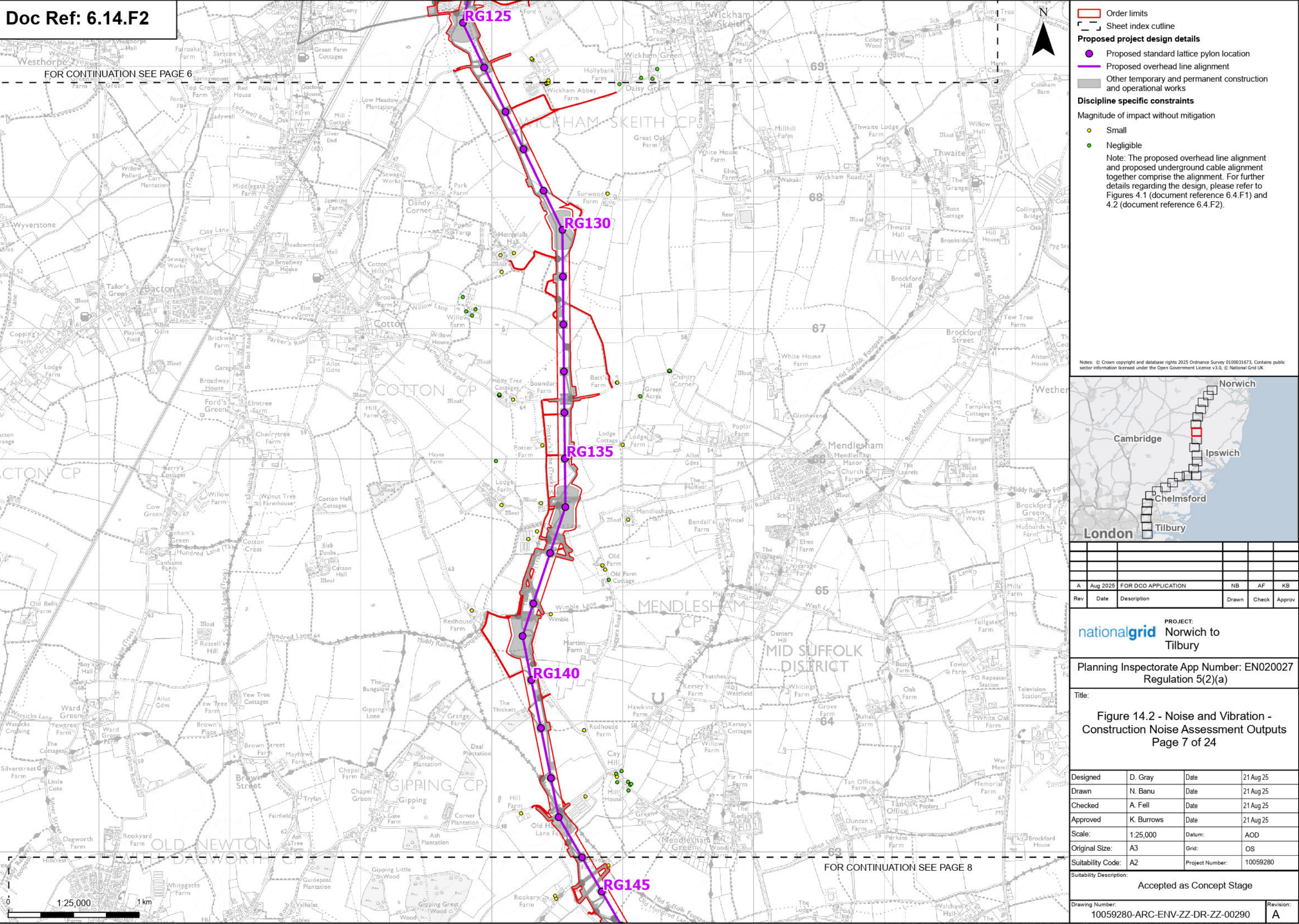
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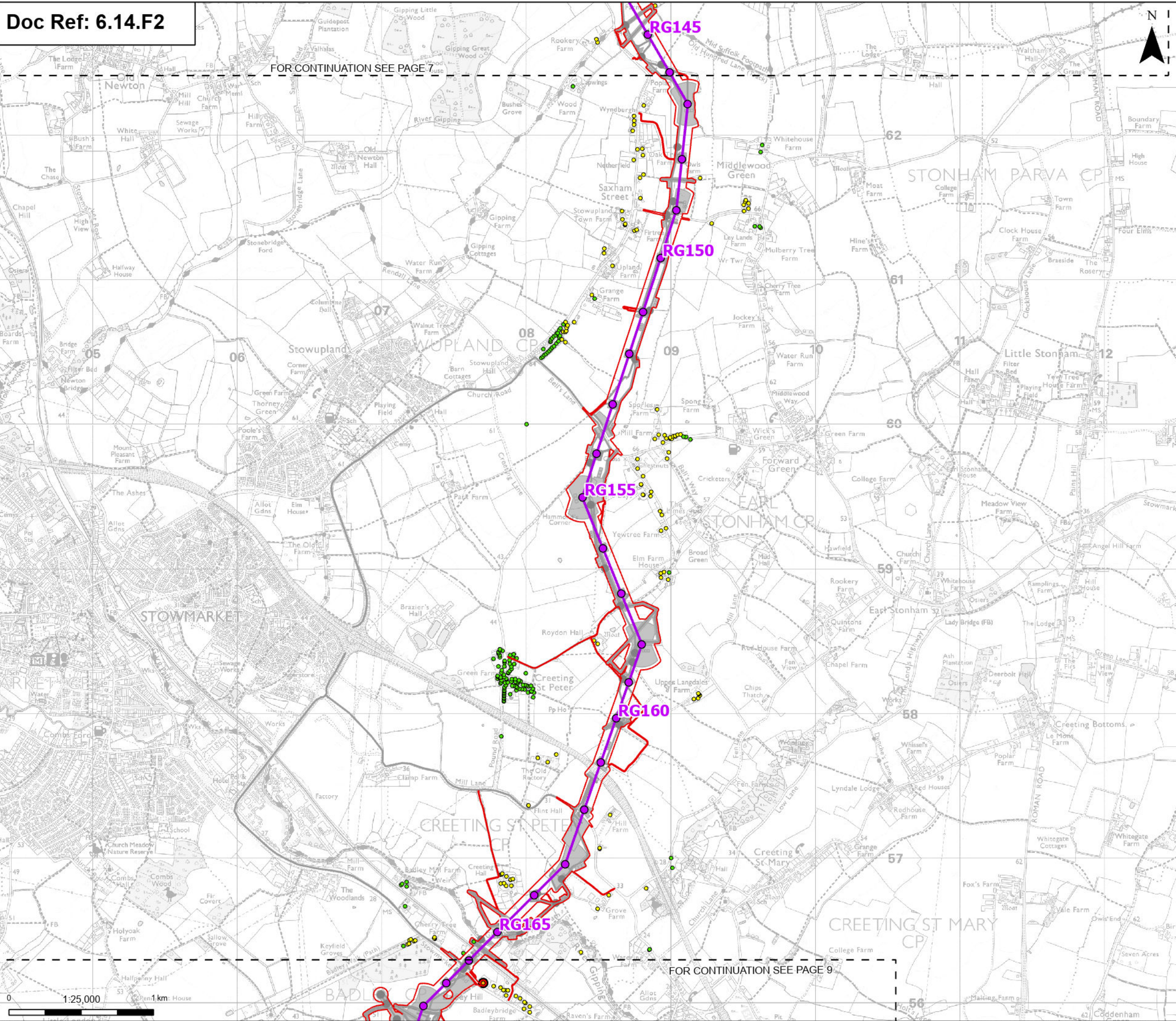
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Discipline specific constraints

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- Negligible
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Location Map

Map showing the project location relative to major cities: London, Cambridge, Ipswich, and Norwich. The project route is highlighted in red.

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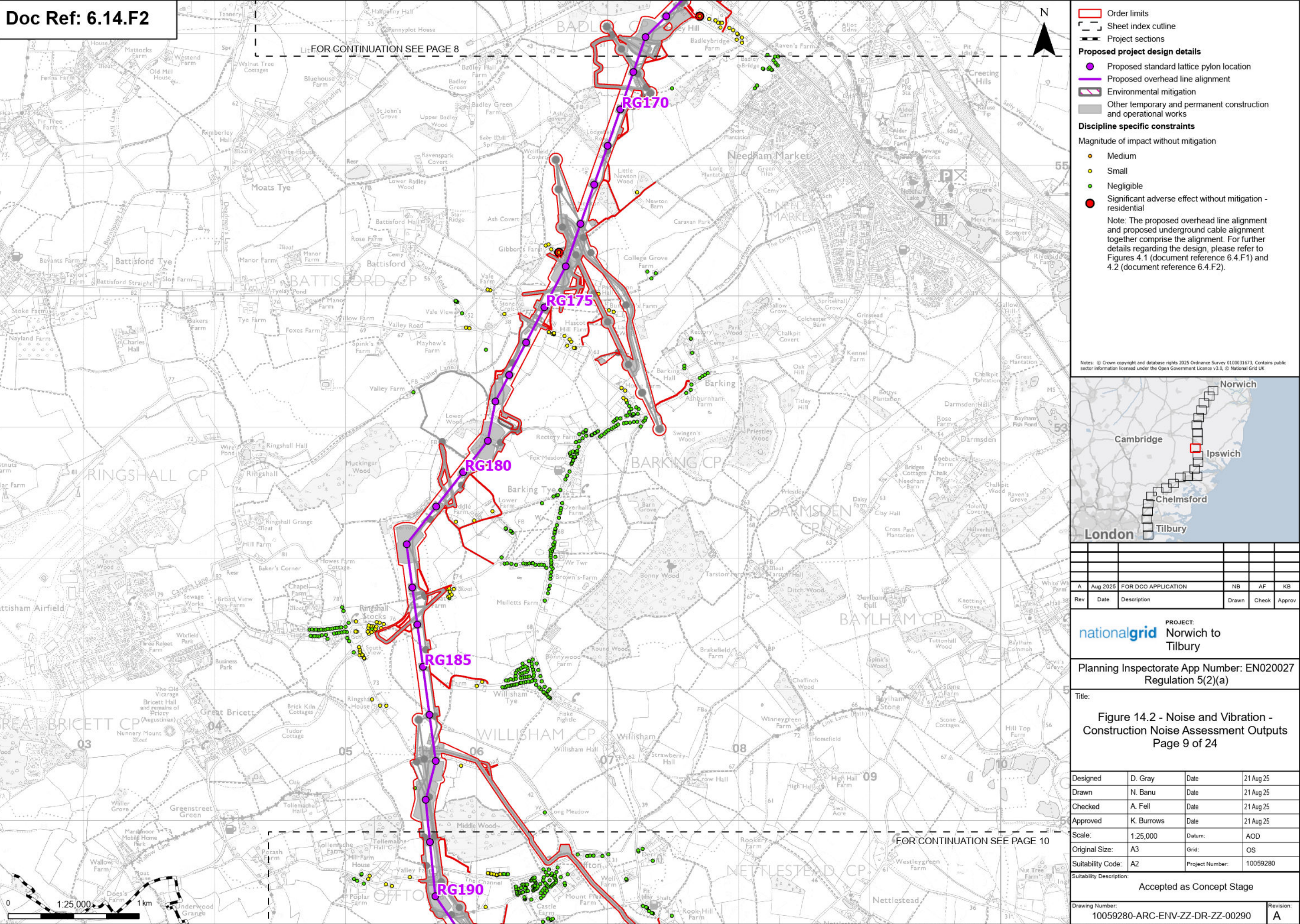
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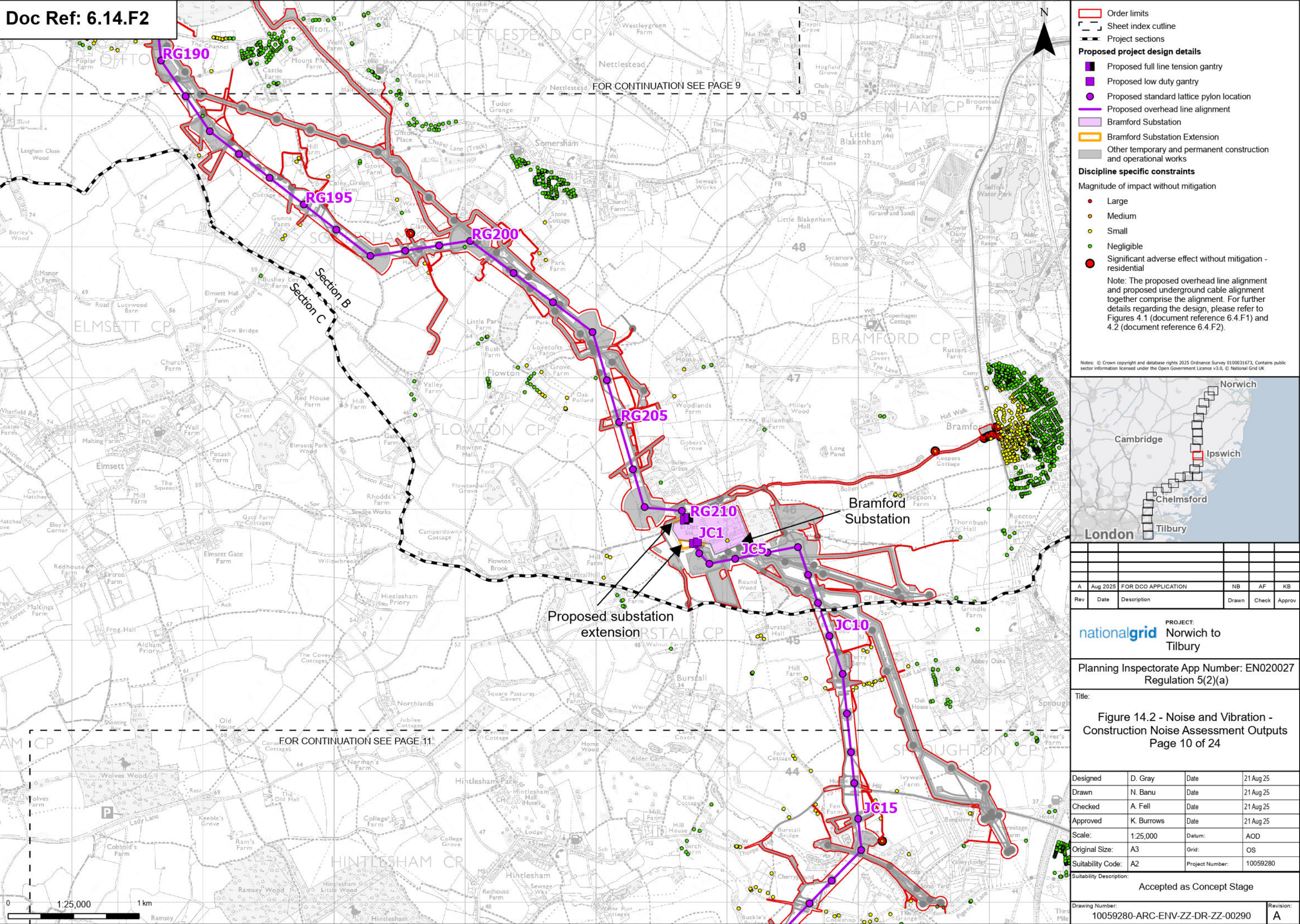
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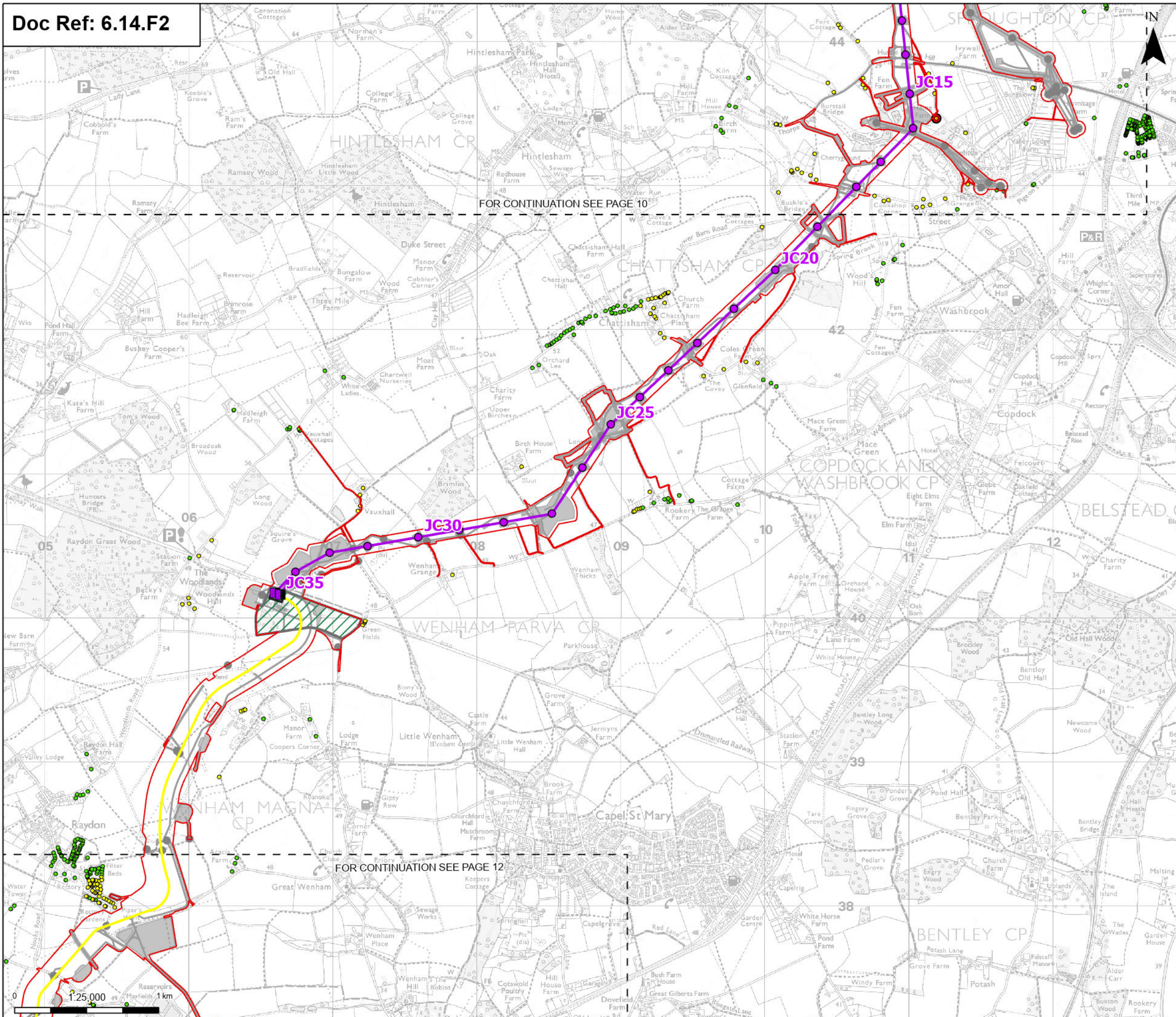
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Proposed project design details

- 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

Magnitude of impact without mitigation

- Medium
- Small
- Negligible
- Significant adverse effect without mitigation - residential

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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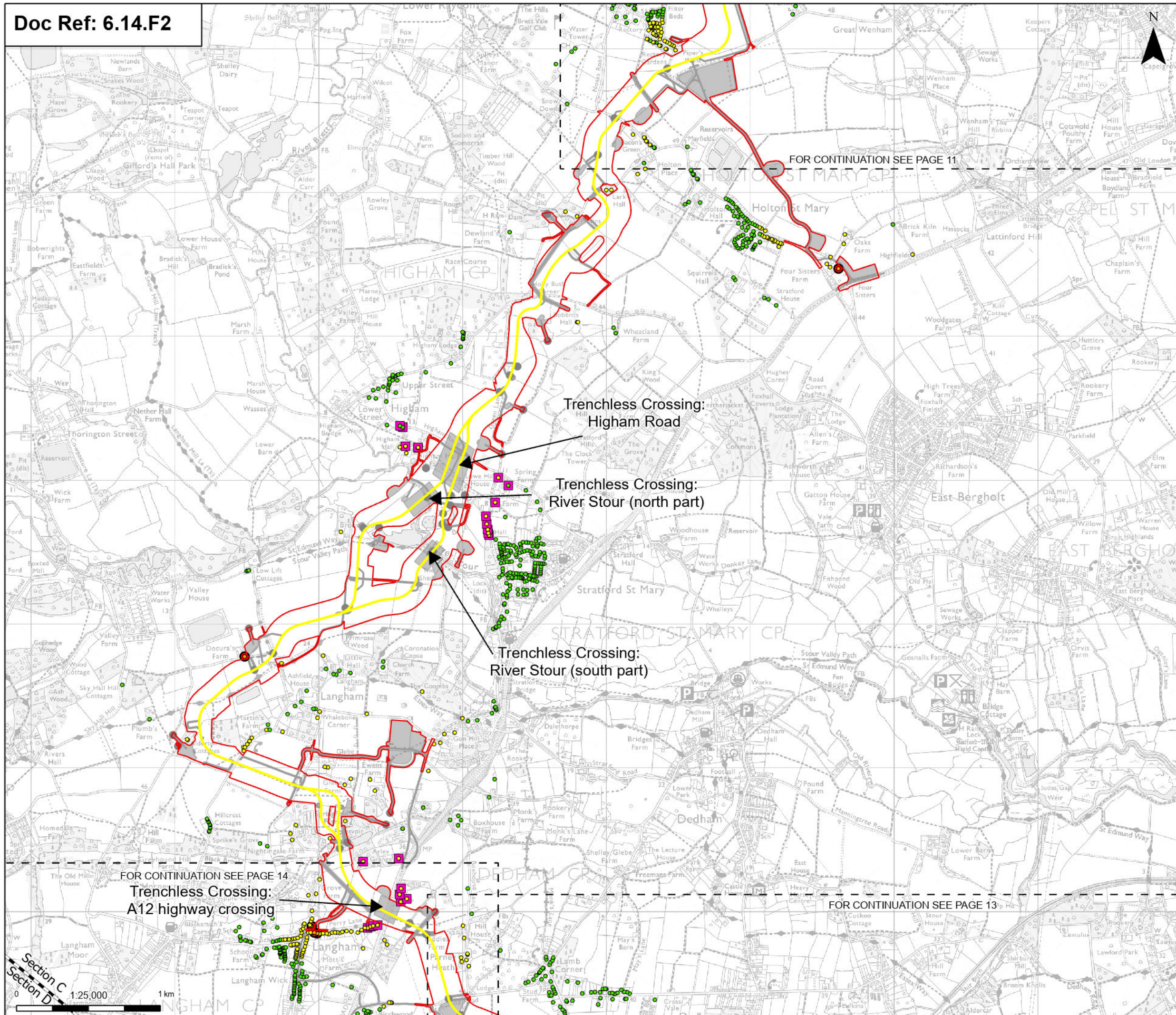
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Project sections

Proposed project design details

Proposed underground cable alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

Magnitude of impact without mitigation

- Medium
- Small
- Negligible
- Significant adverse effect without mitigation - residential
- Night noise - Significant adverse effect without mitigation - Residential

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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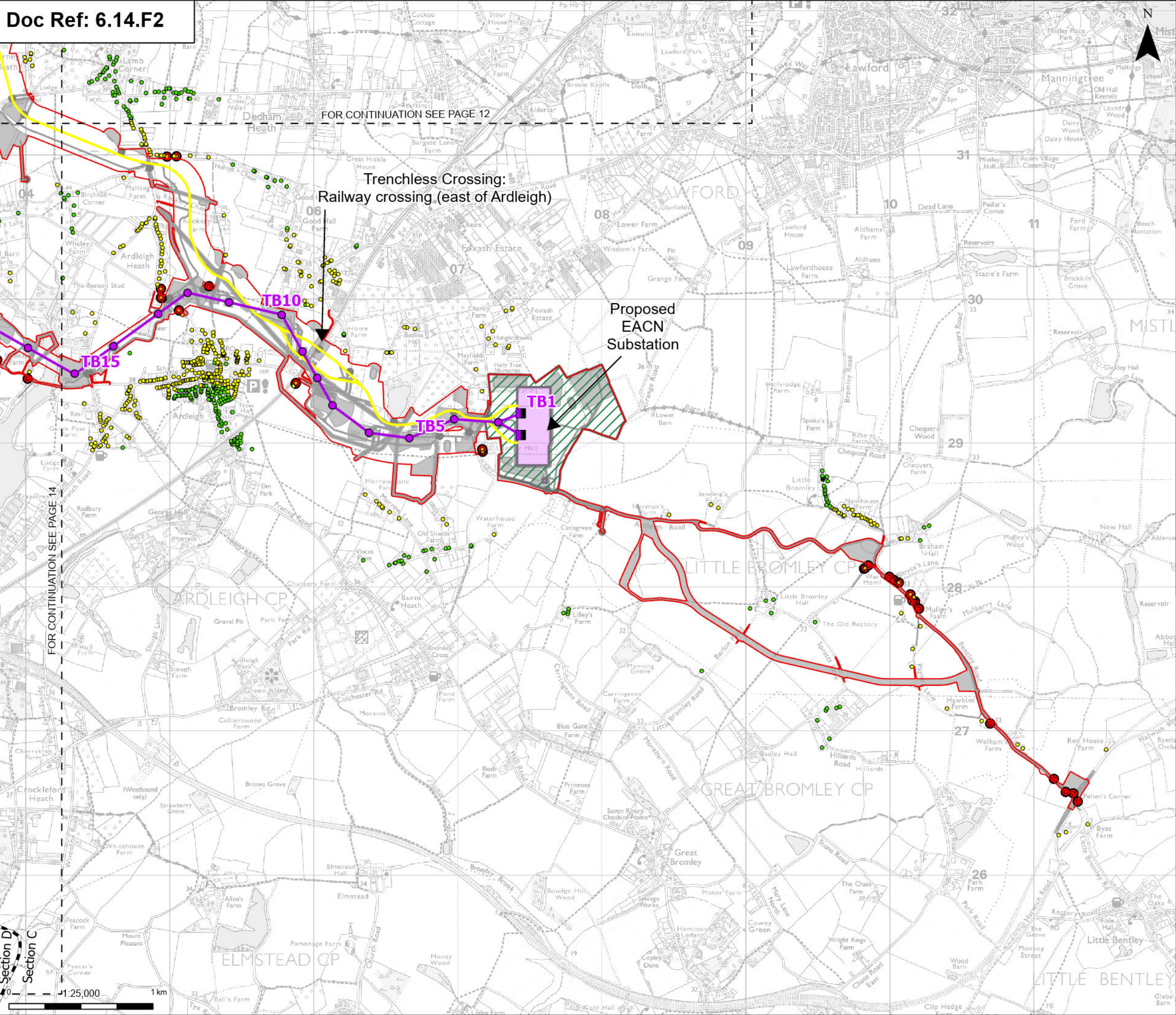
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Project sections

Proposed project design details

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

Discipline specific constraints

Magnitude of impact without mitigation

- Large
- Medium
- Small
- Negligible
- Significant adverse effect without mitigation - residential

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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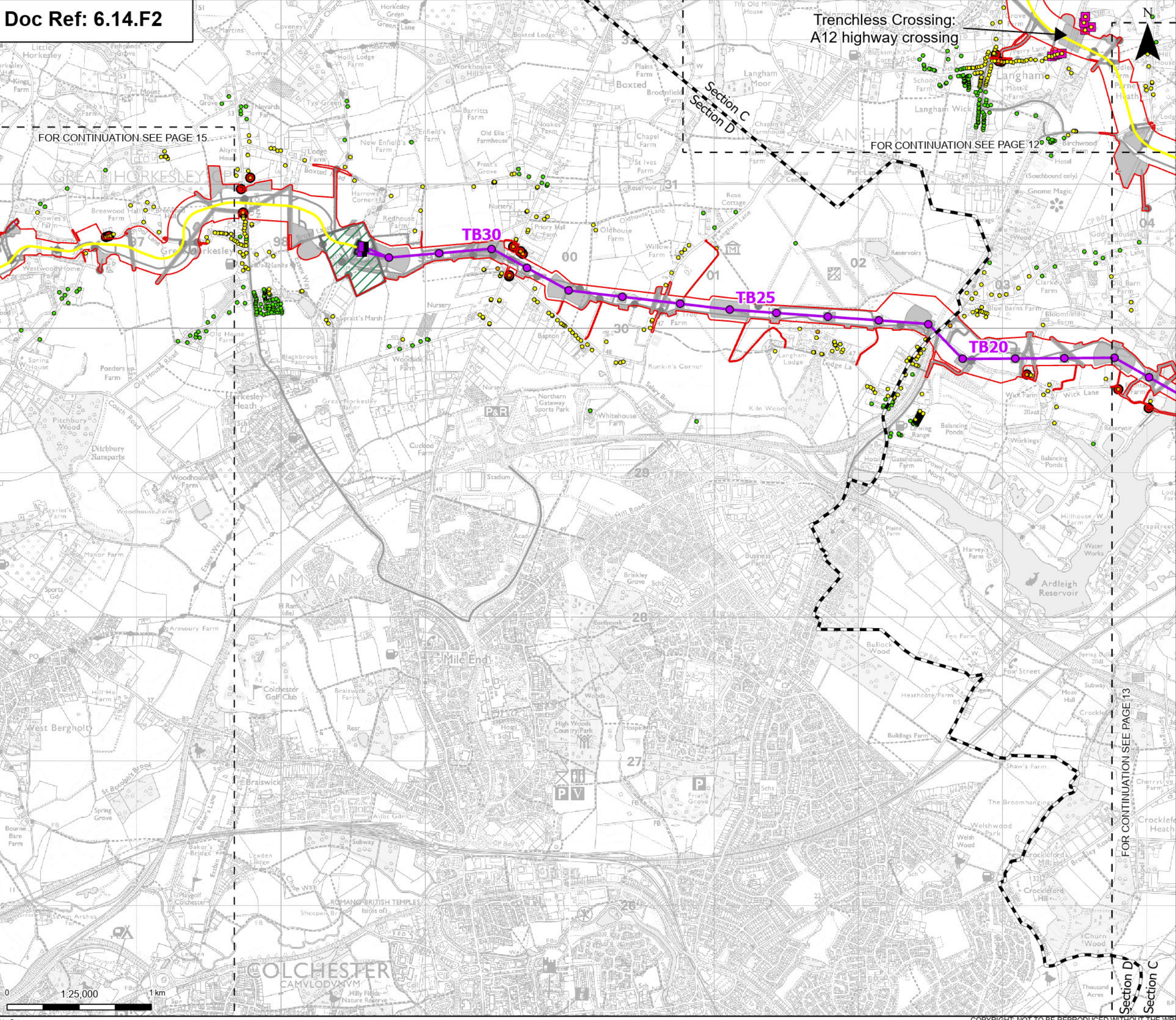
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Proposed project design details

- Proposed 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

Magnitude of impact without mitigation

- Large
- Medium
- Small
- Negligible
- Significant adverse effect without mitigation - residential
- Night noise - Significant adverse effect without mitigation - Residential

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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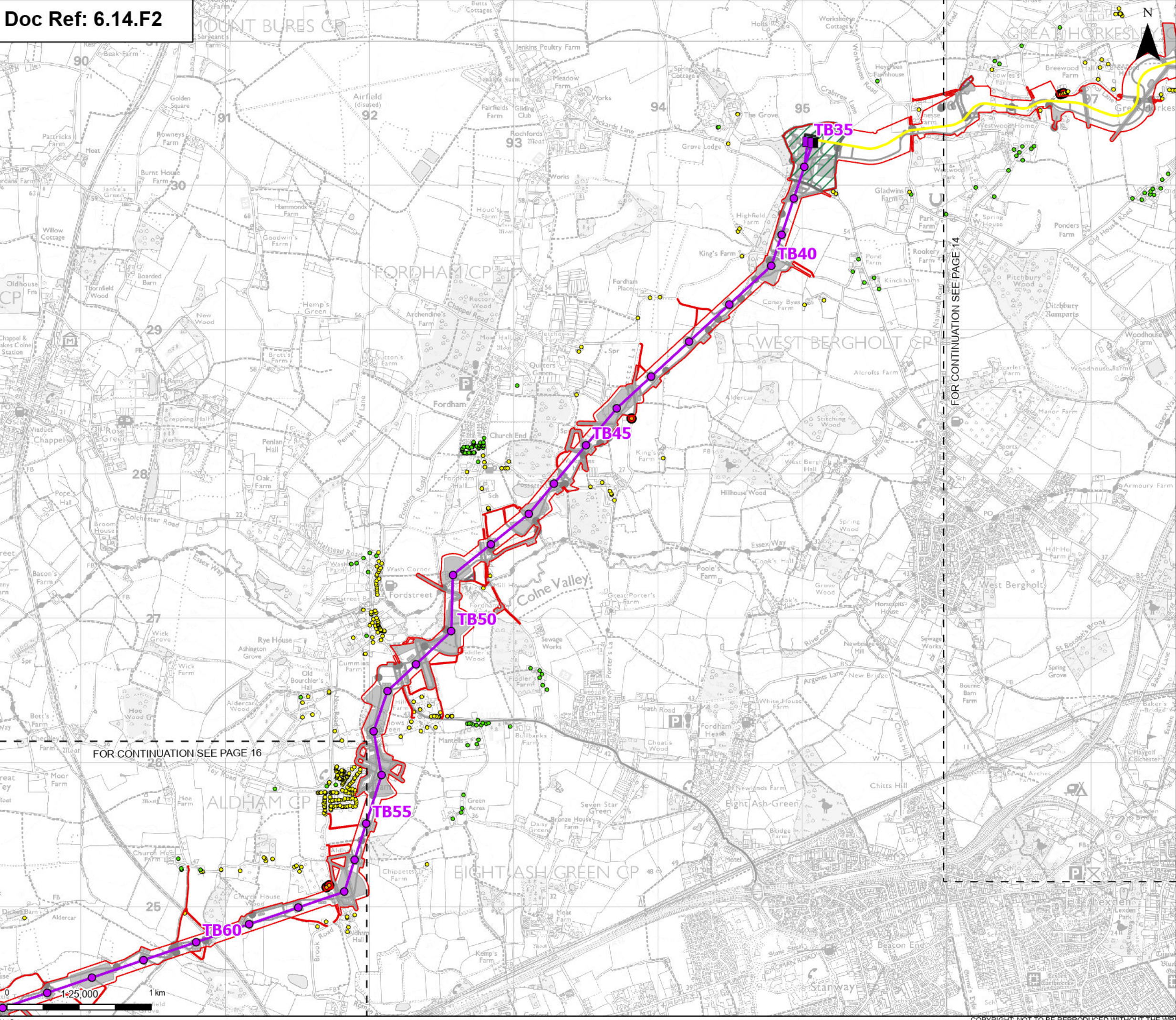
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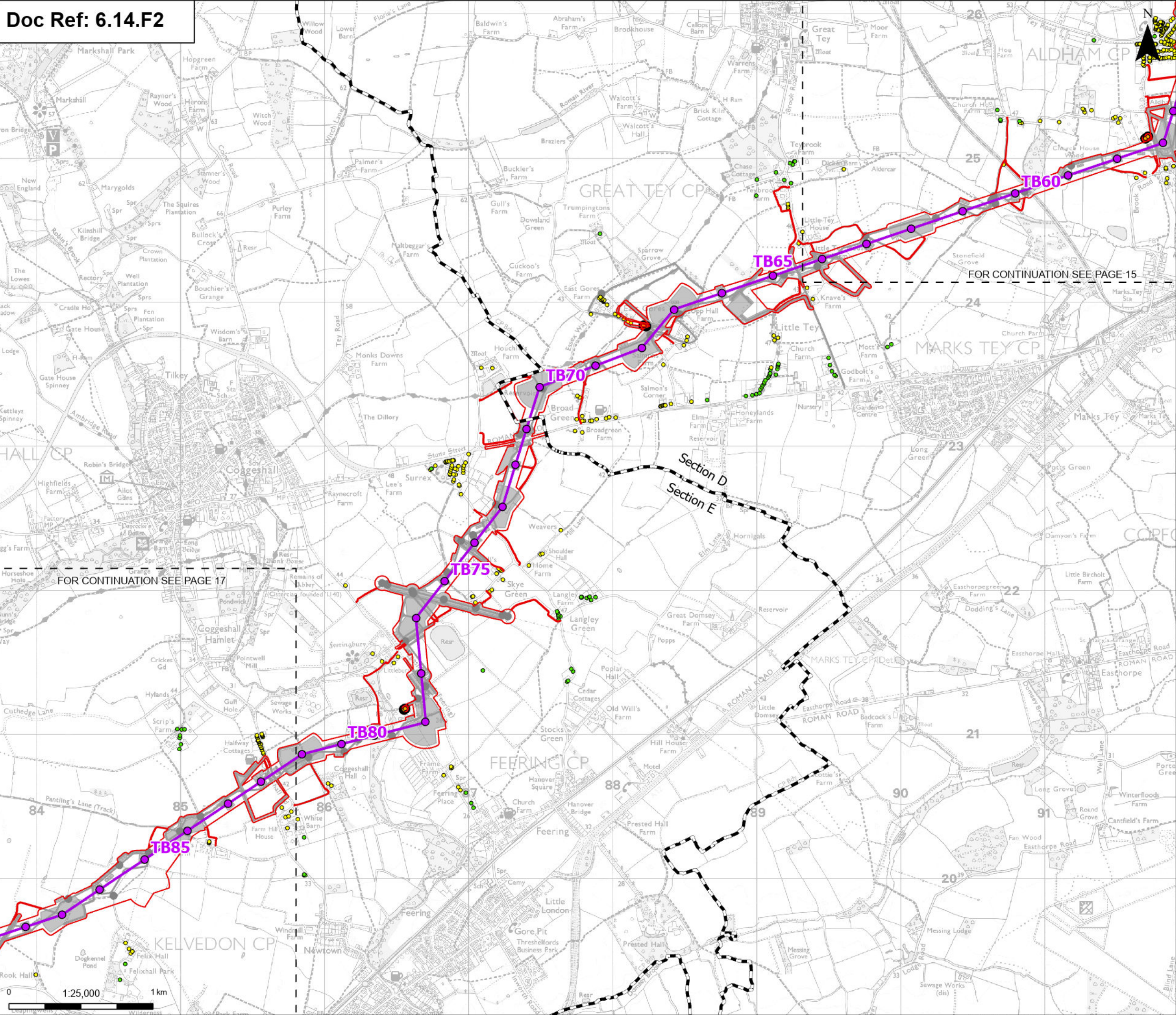
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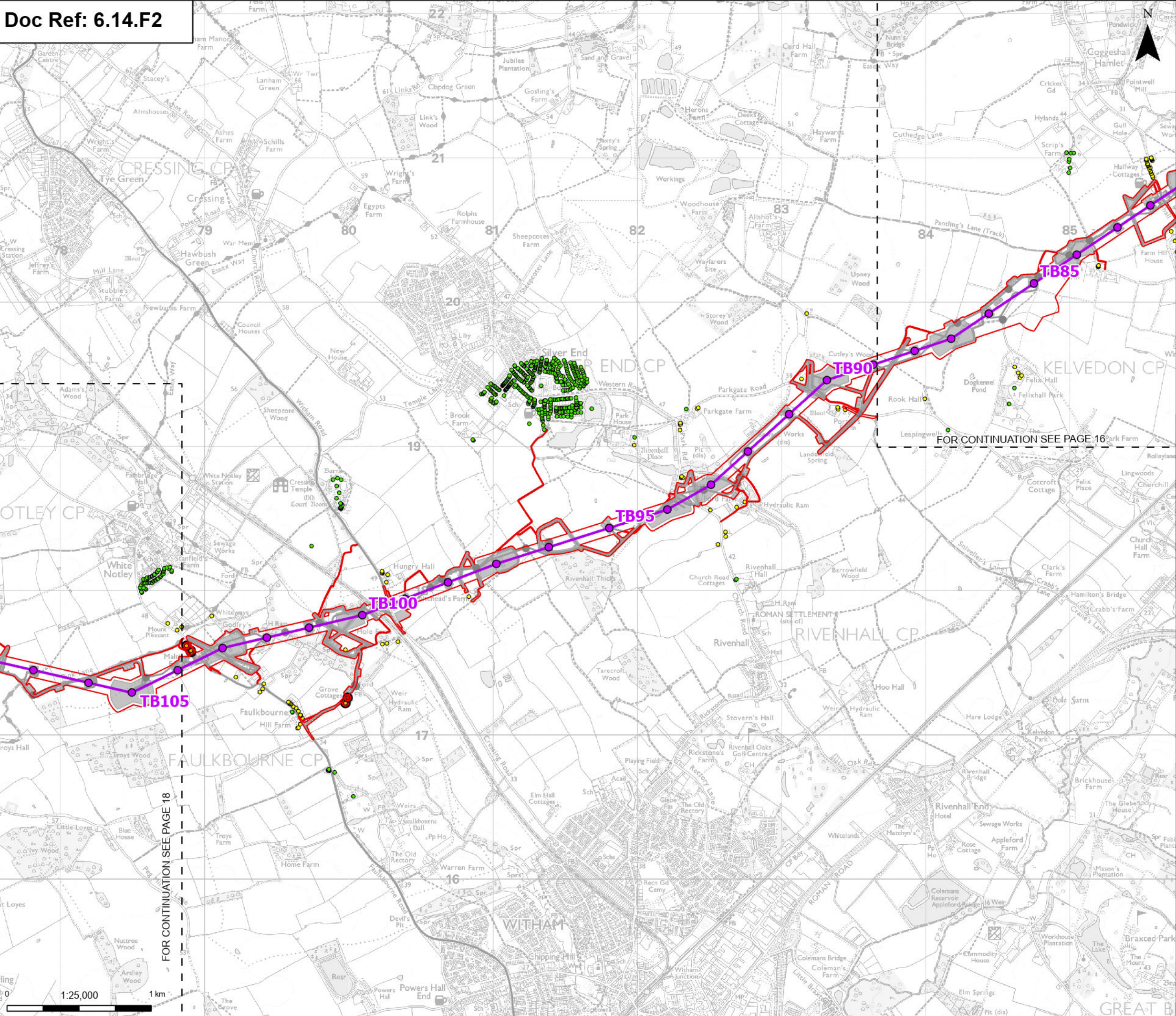
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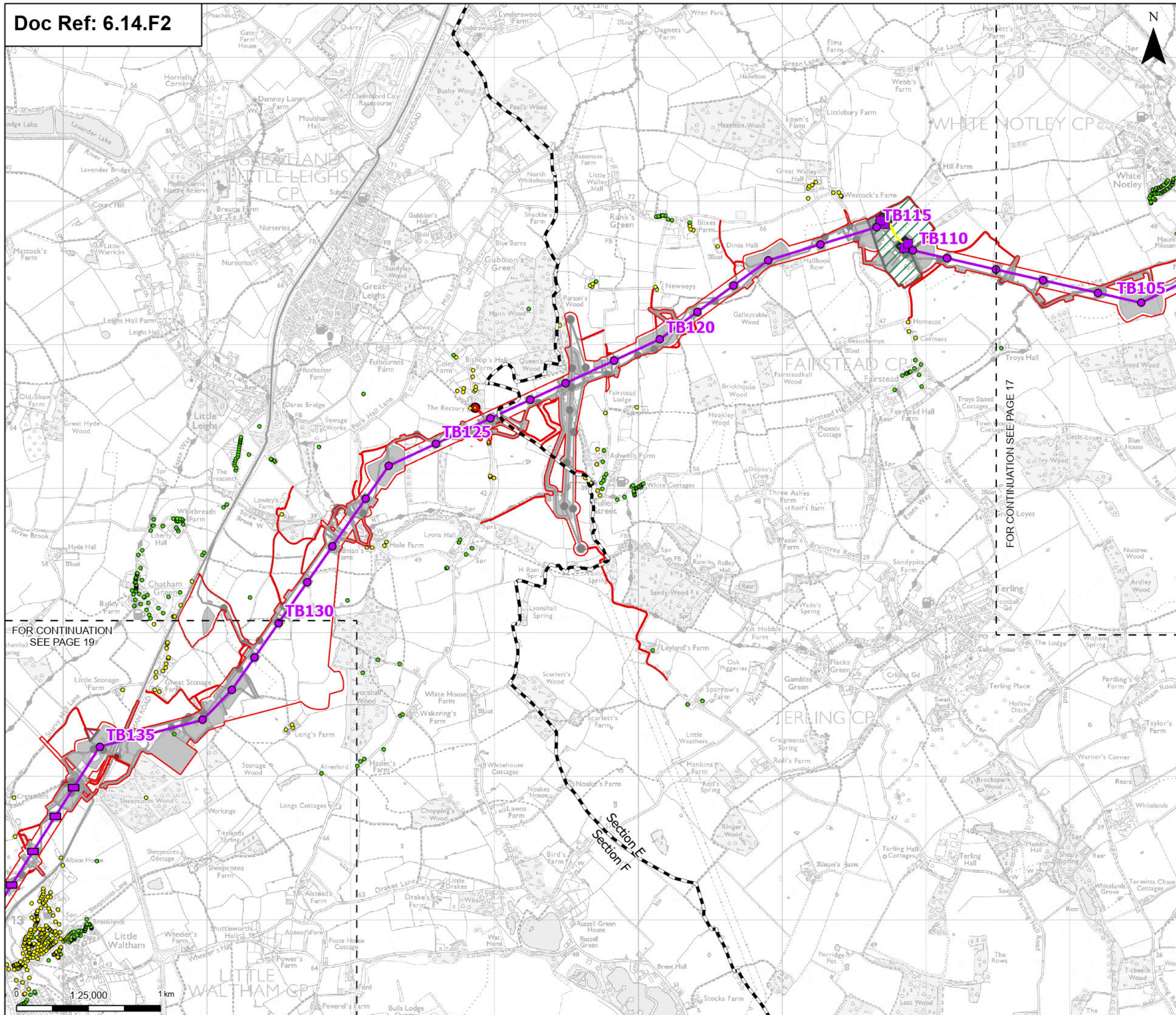
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- Proposed low height pylon location
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- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
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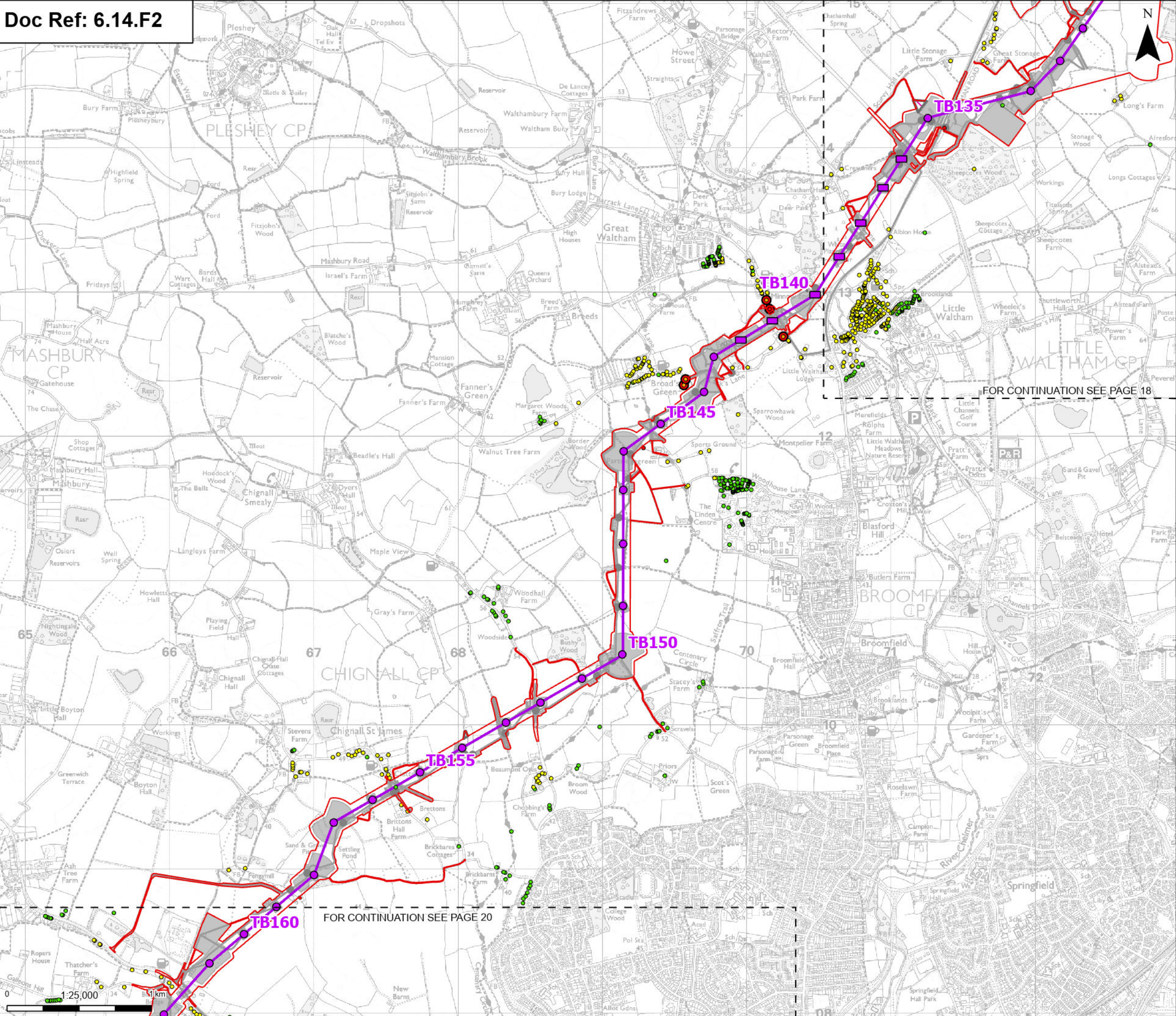
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Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

Magnitude of impact without mitigation

Large

Medium

Small

Negligible

Significant adverse effect without mitigation - residential

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 14.2 - Noise and Vibration -
Construction Noise Assessment Outputs
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Designed	D. Gray	Date	21 Aug 25
Drawn	N. Banu	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			

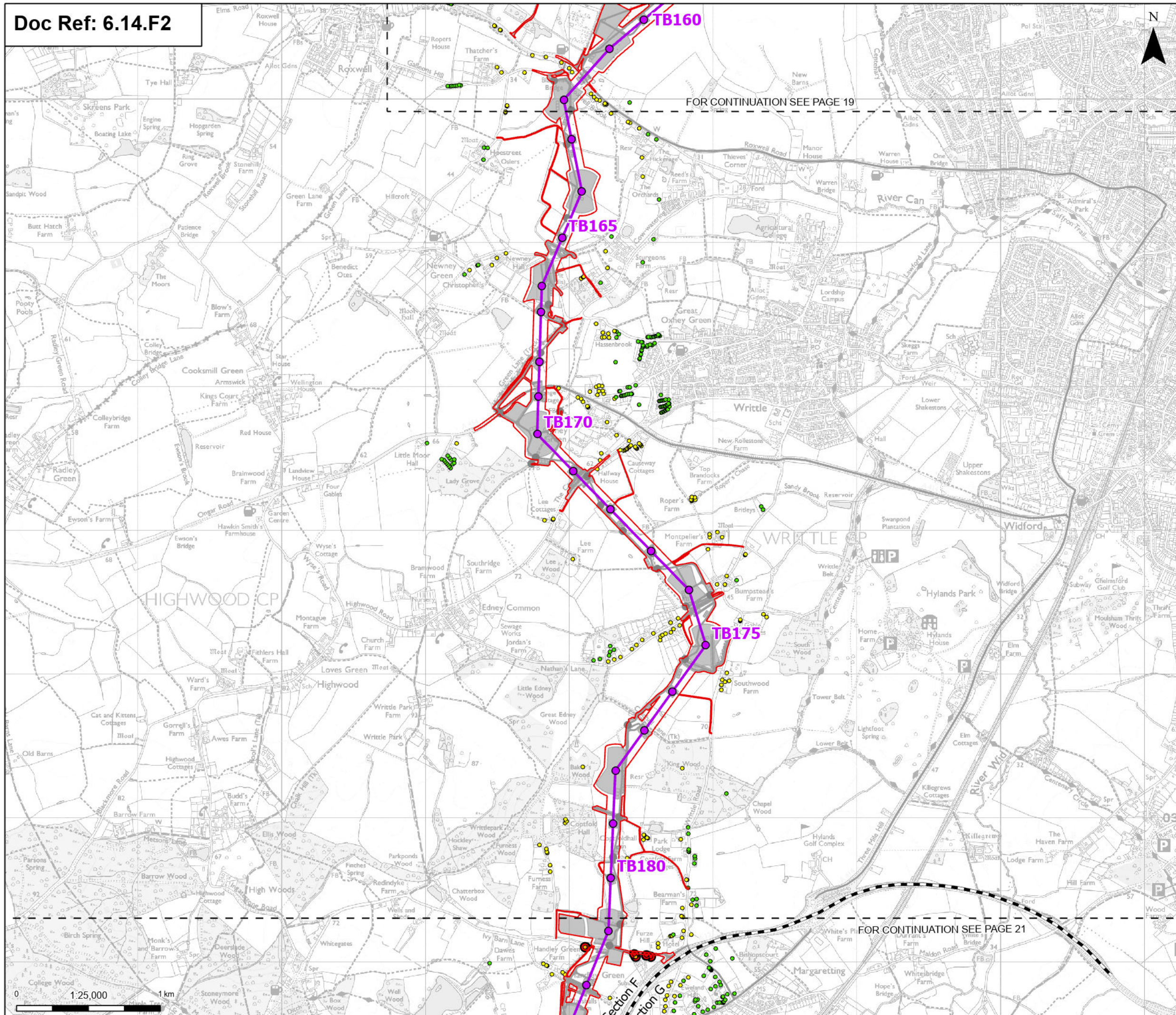
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10059280-ARC-ENV-ZZ-DR-ZZ-00290

Revision:

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Print Date: 08-15-25 11:39:55 COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION PLC



Order limits

Sheet index cutline

Project sections

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

Magnitude of impact without mitigation

- Large
- Medium
- Small
- Negligible
- Significant adverse effect without mitigation - residential

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 14.2 - Noise and Vibration - Construction Noise Assessment Outputs Page 20 of 24

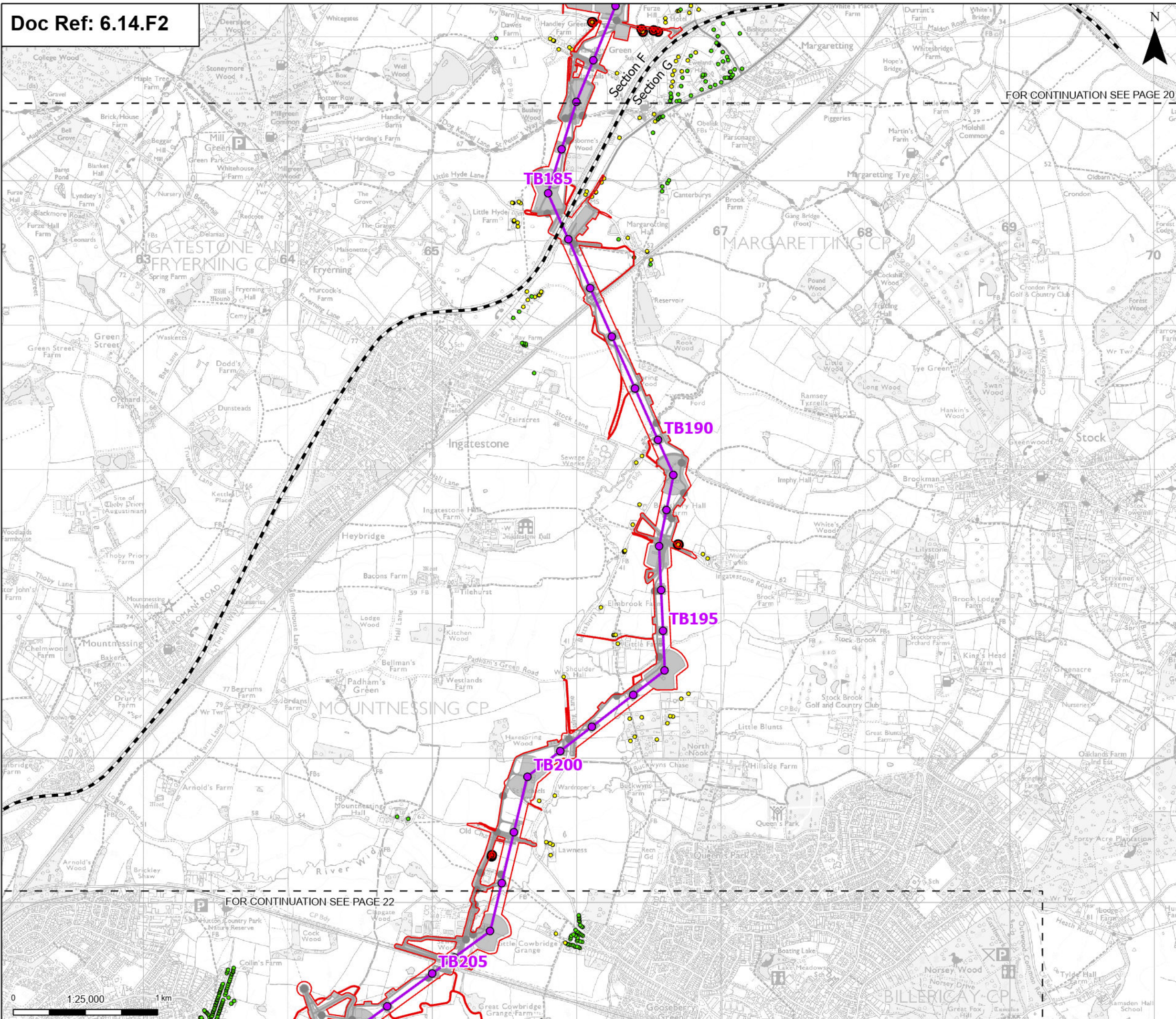
Designed	D. Gray	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage




Drawing Number: 10059280-ARC-ENV-ZZ-DR-ZZ-00290

Revision: A







FOR CONTINUATION SEE PAGE 20

FOR CONTINUATION SEE PAGE 22






-  Order limits
 -  Sheet index outline
 -  Project sections

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

Magnitude of impact without mitigation

 -  Large
 -  Medium
 -  Small
 -  Negligible
 -  Significant adverse effect without mitigation - residential

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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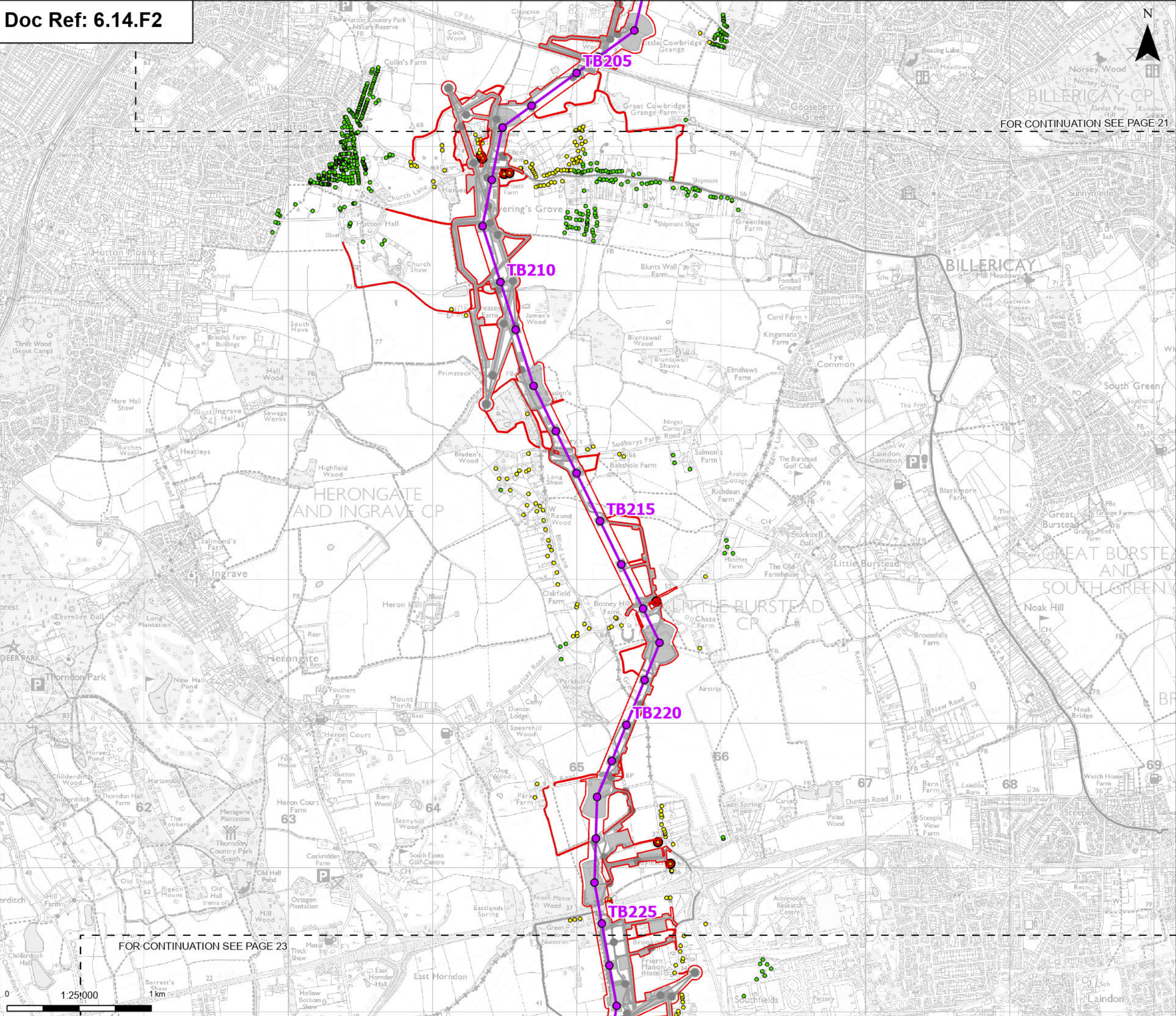
Planning Inspectorate App Number: EN020027
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Figure 14.2 - Noise and Vibration -
Construction Noise Assessment Outputs
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

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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

Magnitude of impact without mitigation

Large

Medium

Small

Negligible

Significant adverse effect without mitigation - residential

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 14.2 - Noise and Vibration - Construction Noise Assessment Outputs

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10059280-ARC-ENV-ZZ-DR-ZZ-00290

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