

Norwich to Tilbury

Volume 6: Environmental Statement

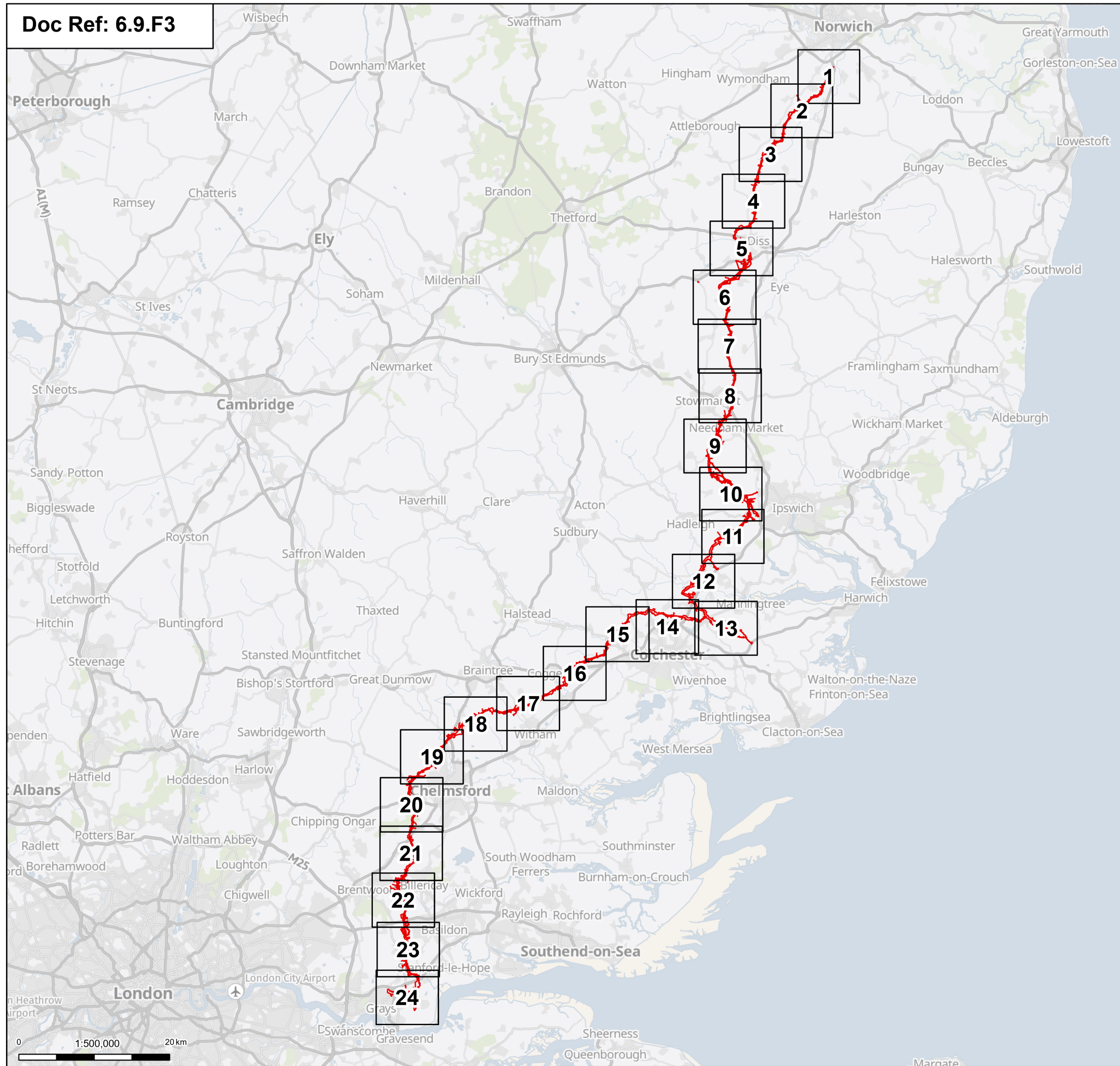
Document: 6.9.F3 Environmental Statement Figure 9.3 - Mineral Safeguarding Areas, Mineral Consultation Areas, and Minerals Infrastructure

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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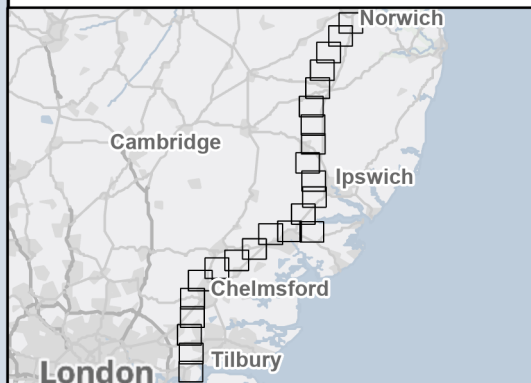
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Thurrock – The aggregate recycling sites are from Thurrock Council

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nationalgrid PROJECT: Norwich to Tilbury

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Title: Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure Overview

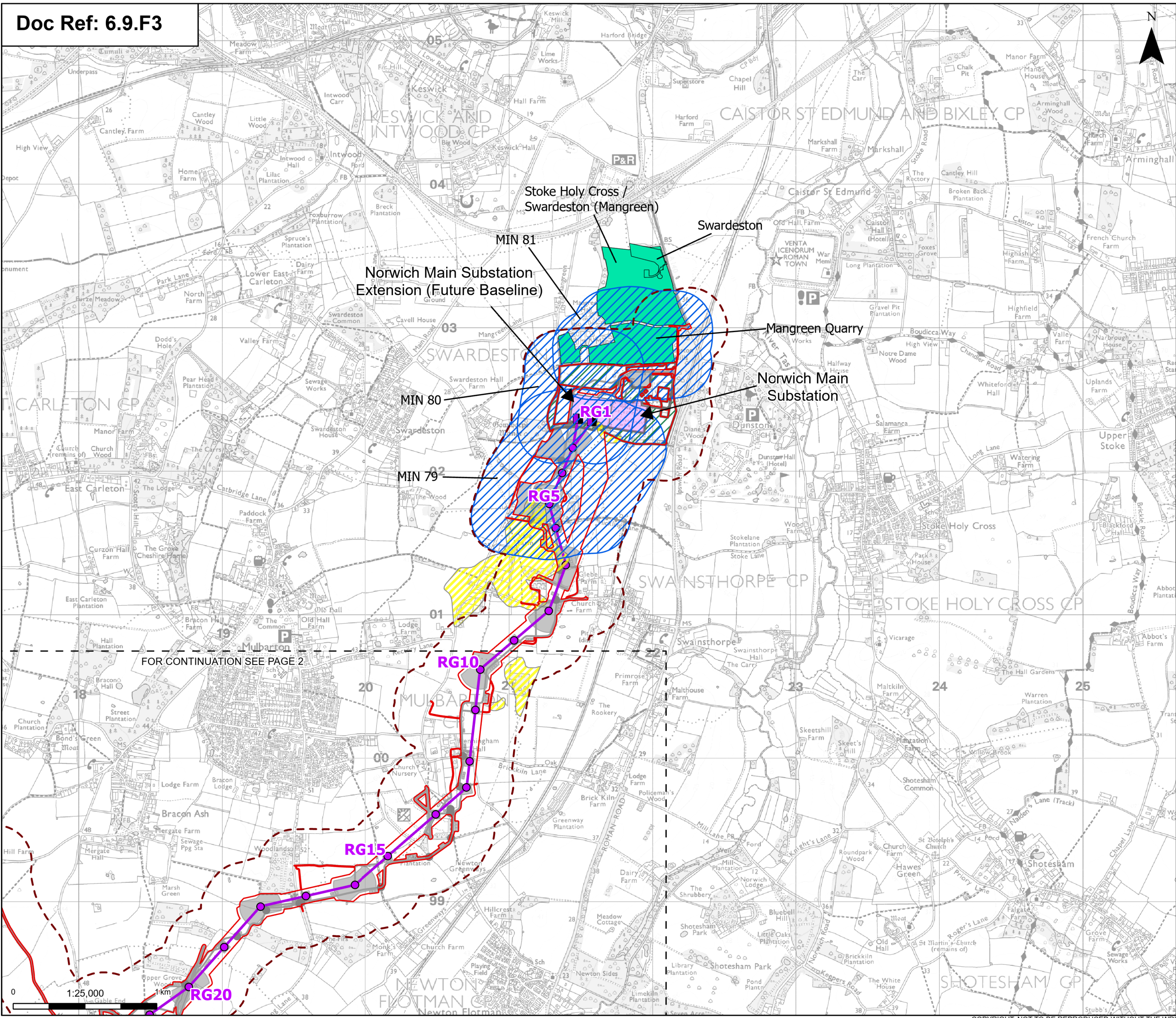
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Description:

Accepted as Concept Stage

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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

250 m Study Area

Norfolk existing extraction sites

Consultation area for mineral site specific allocations

Norfolk safeguarded minerals resources

Note: Previously Allocated Minerals Sites MIN79, MIN80 and MIN81 have been removed from the updated publication of the draft Norfolk Minerals and Waste Local Plan.

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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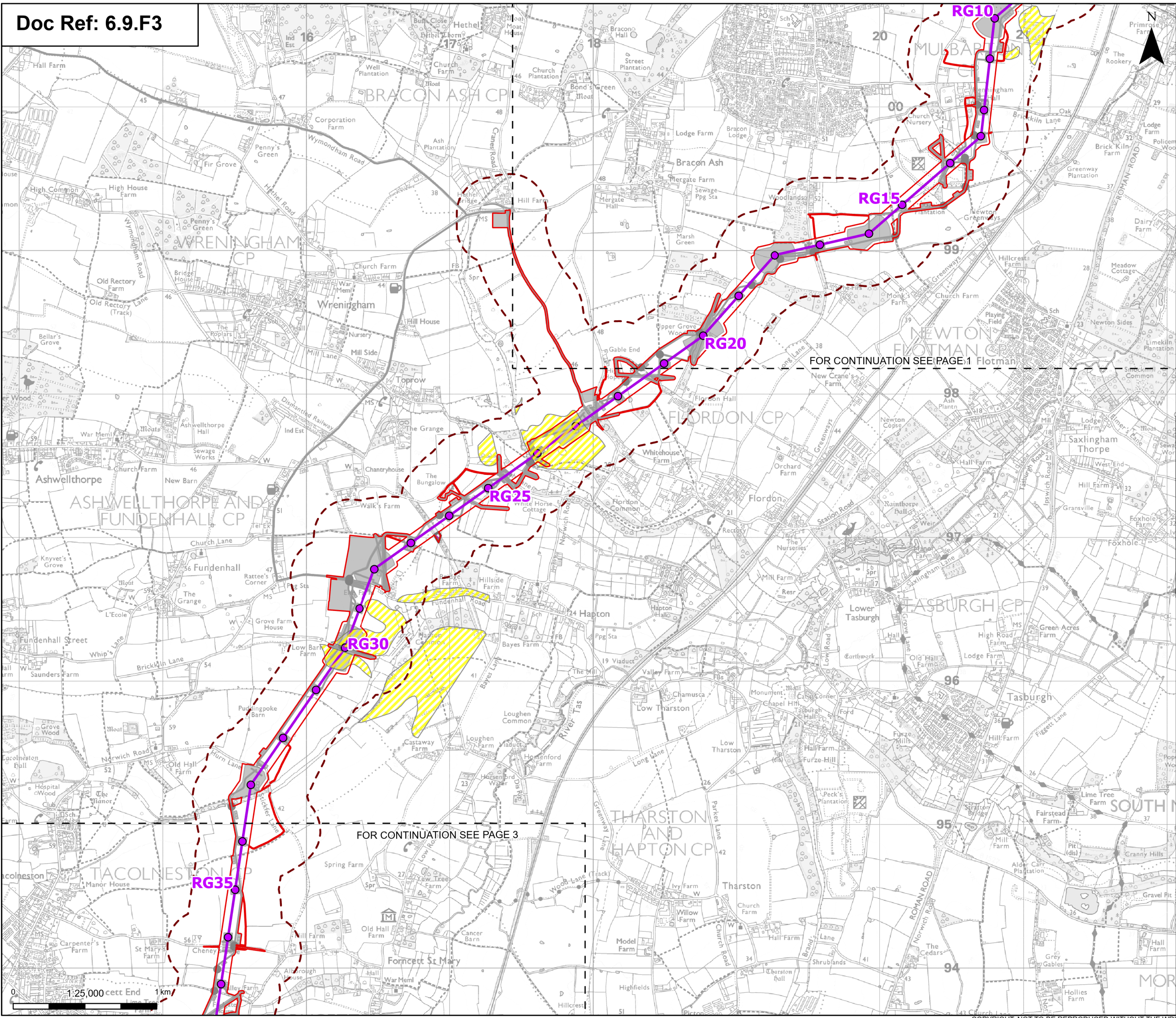
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Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure

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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

250 m Study Area

Norfolk safeguarded minerals resources

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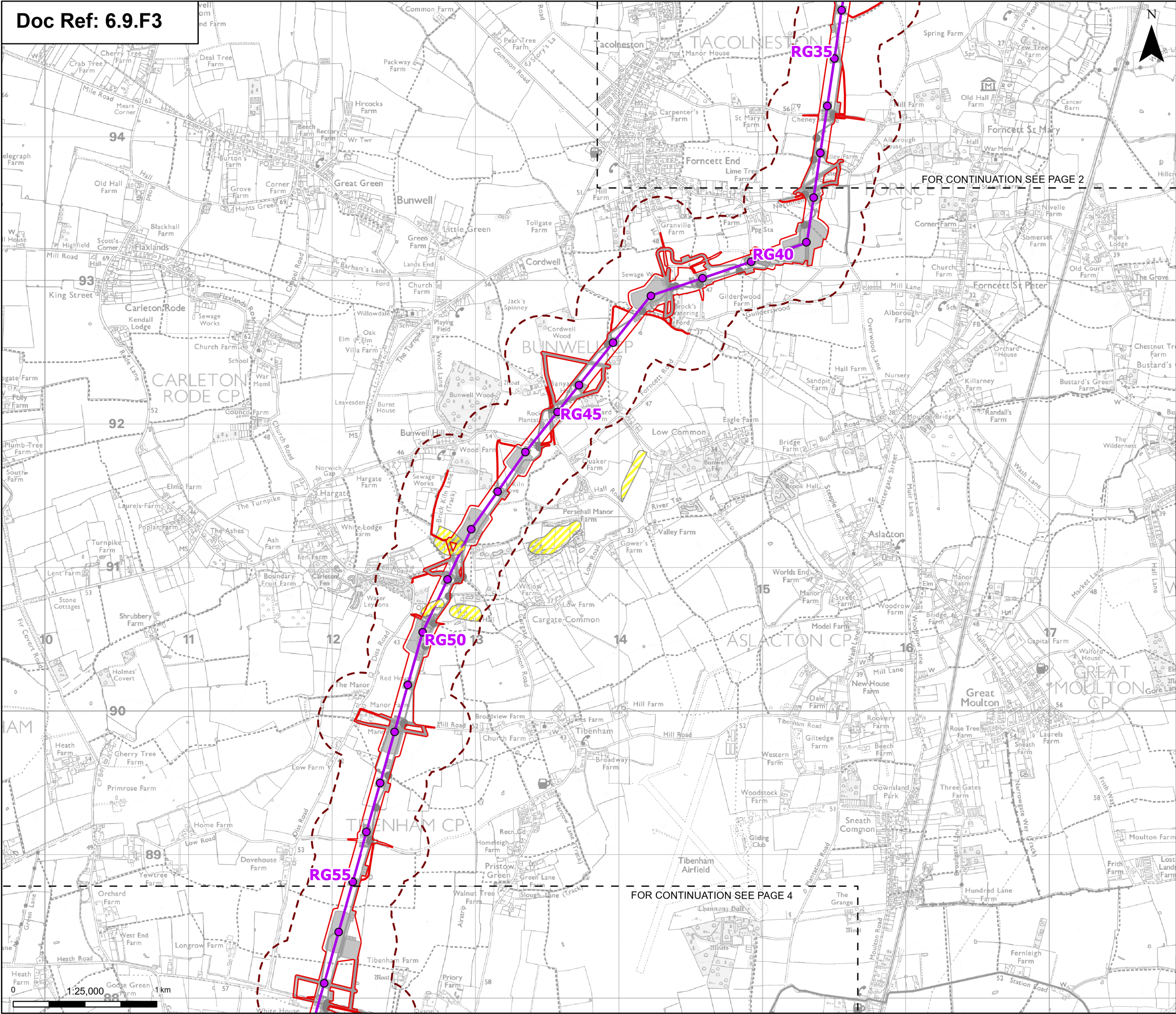
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Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

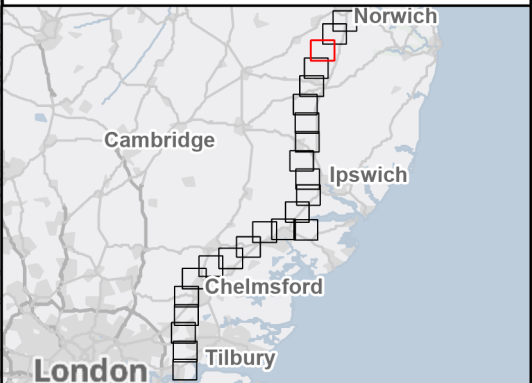
Discipline specific constraints

250 m Study Area

Norfolk safeguarded minerals resources

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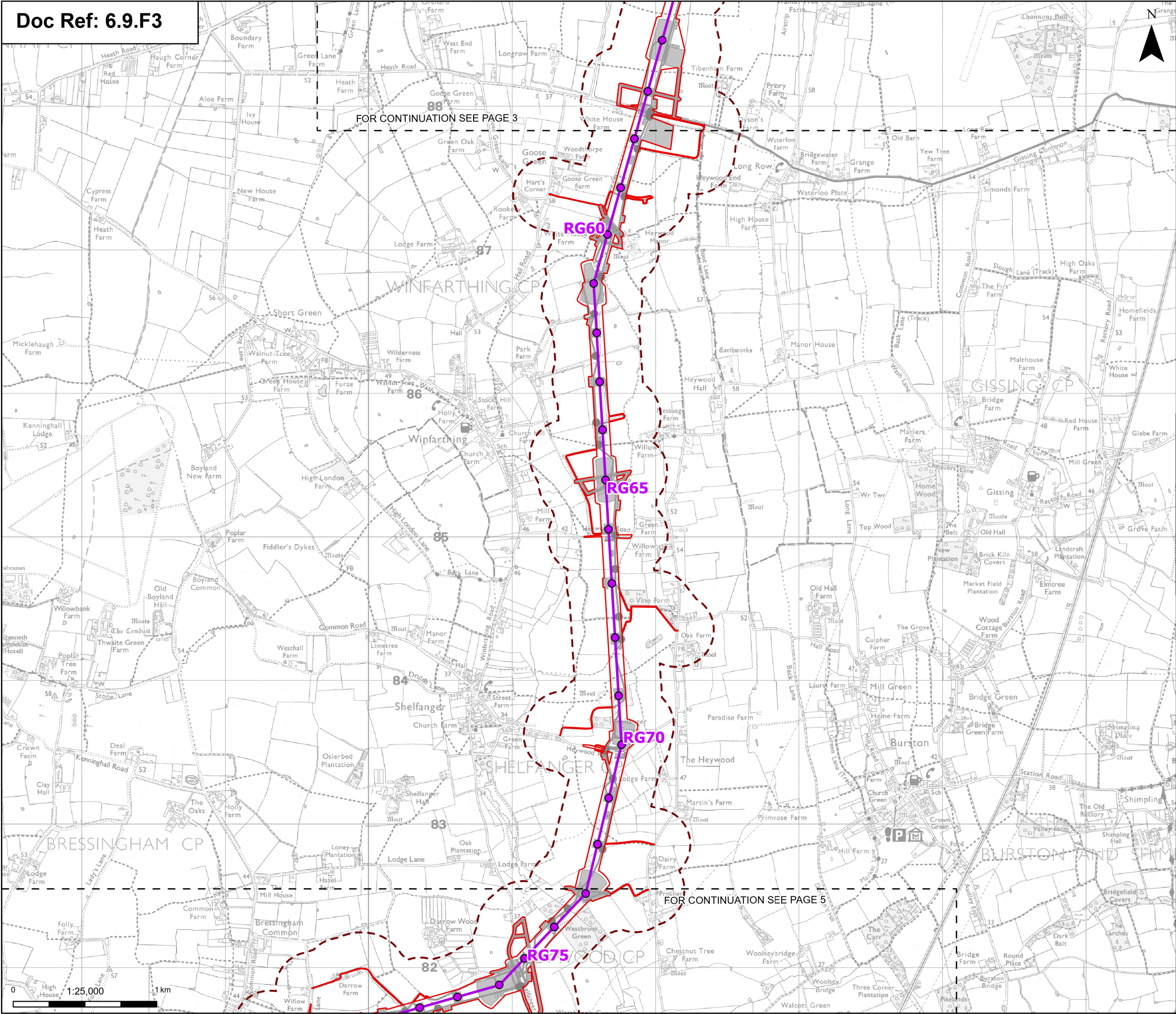
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Proposed overhead line alignment

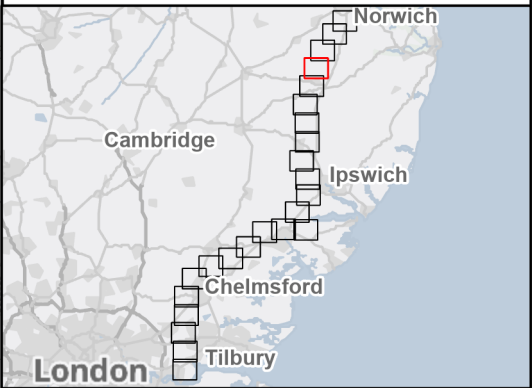
Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

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Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure
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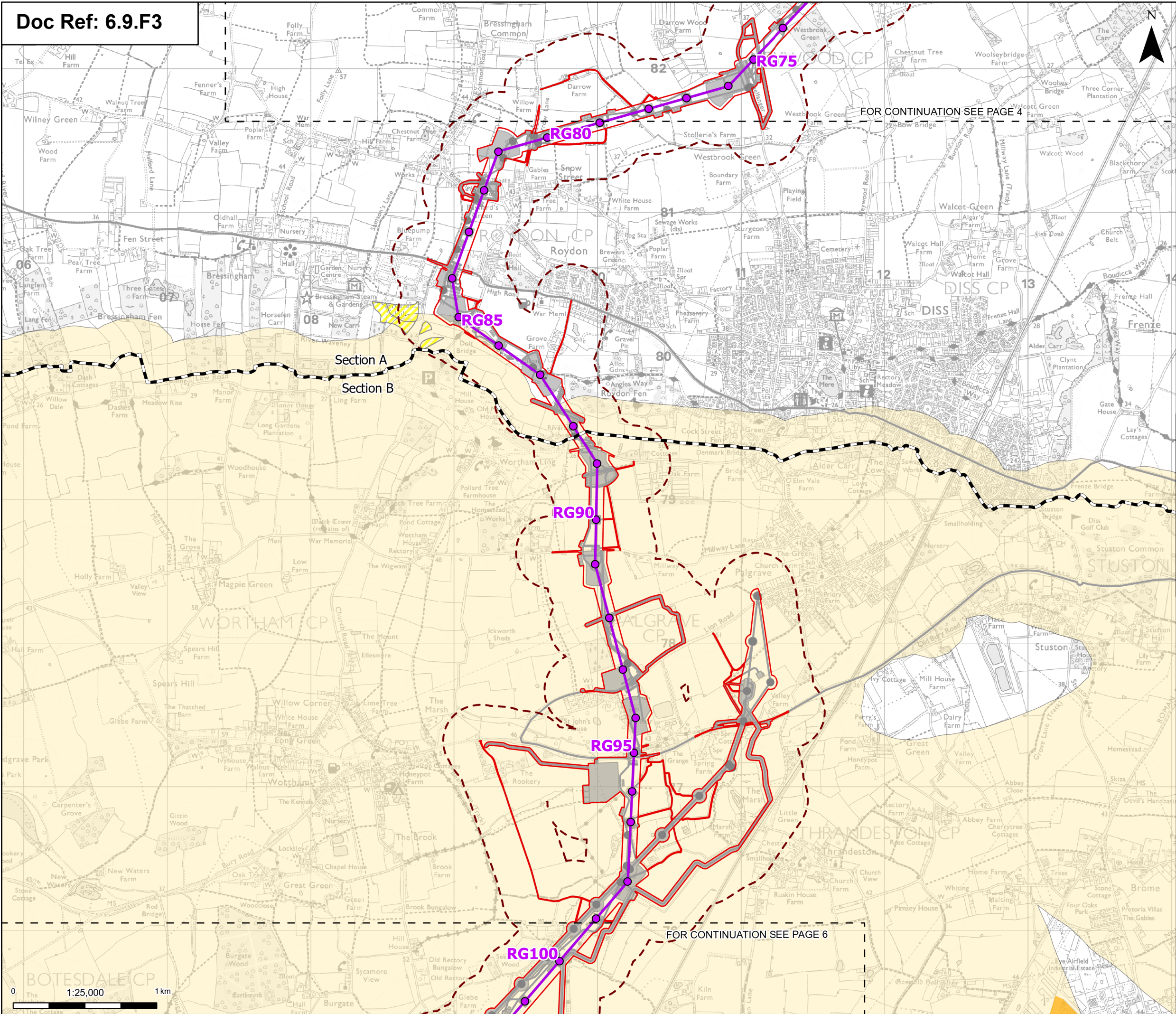
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Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

Suffolk Mineral & Waste Sites

Norfolk safeguarded minerals resources

Suffolk Minerals Consultation Areas

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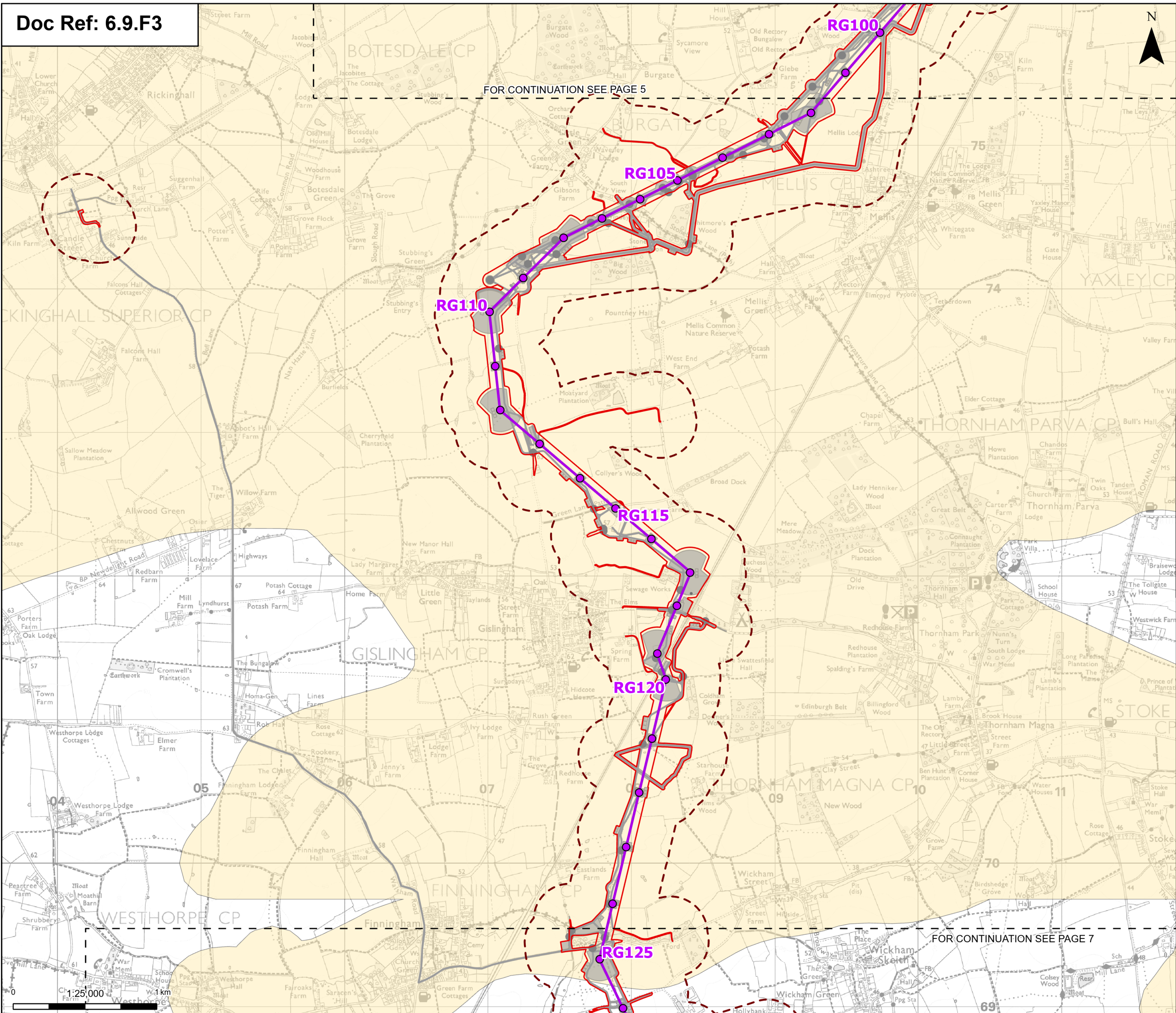
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Proposed standard lattice pylon location

Proposed overhead line alignment

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Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

Suffolk Minerals Consultation Areas

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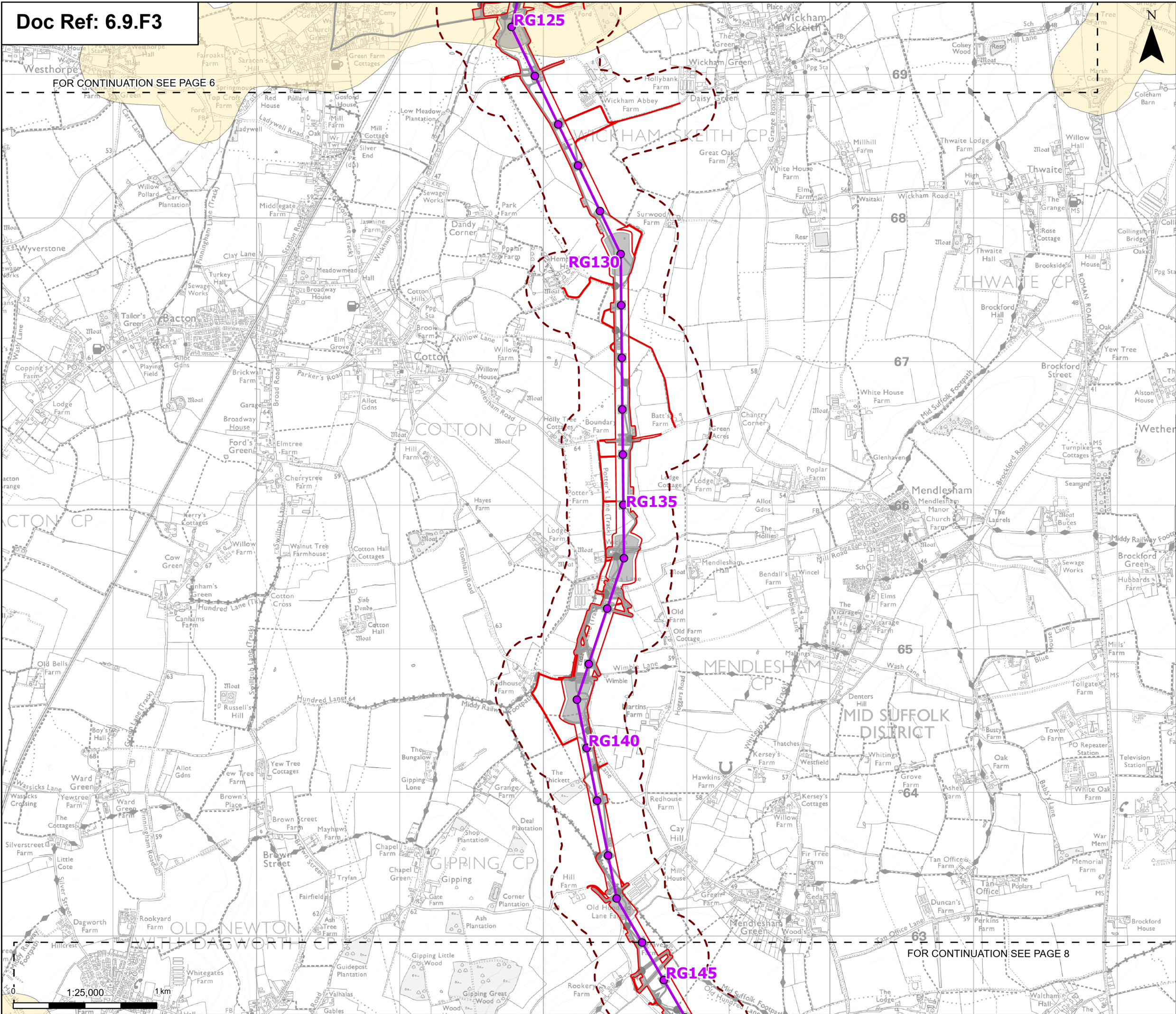
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Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

Suffolk Minerals Consultation Areas

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Ipswich

Chelmsford

Tilbury

Wether

Norwich

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Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure

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Suffolk Mineral & Waste Sites

Suffolk Minerals Consultation Areas

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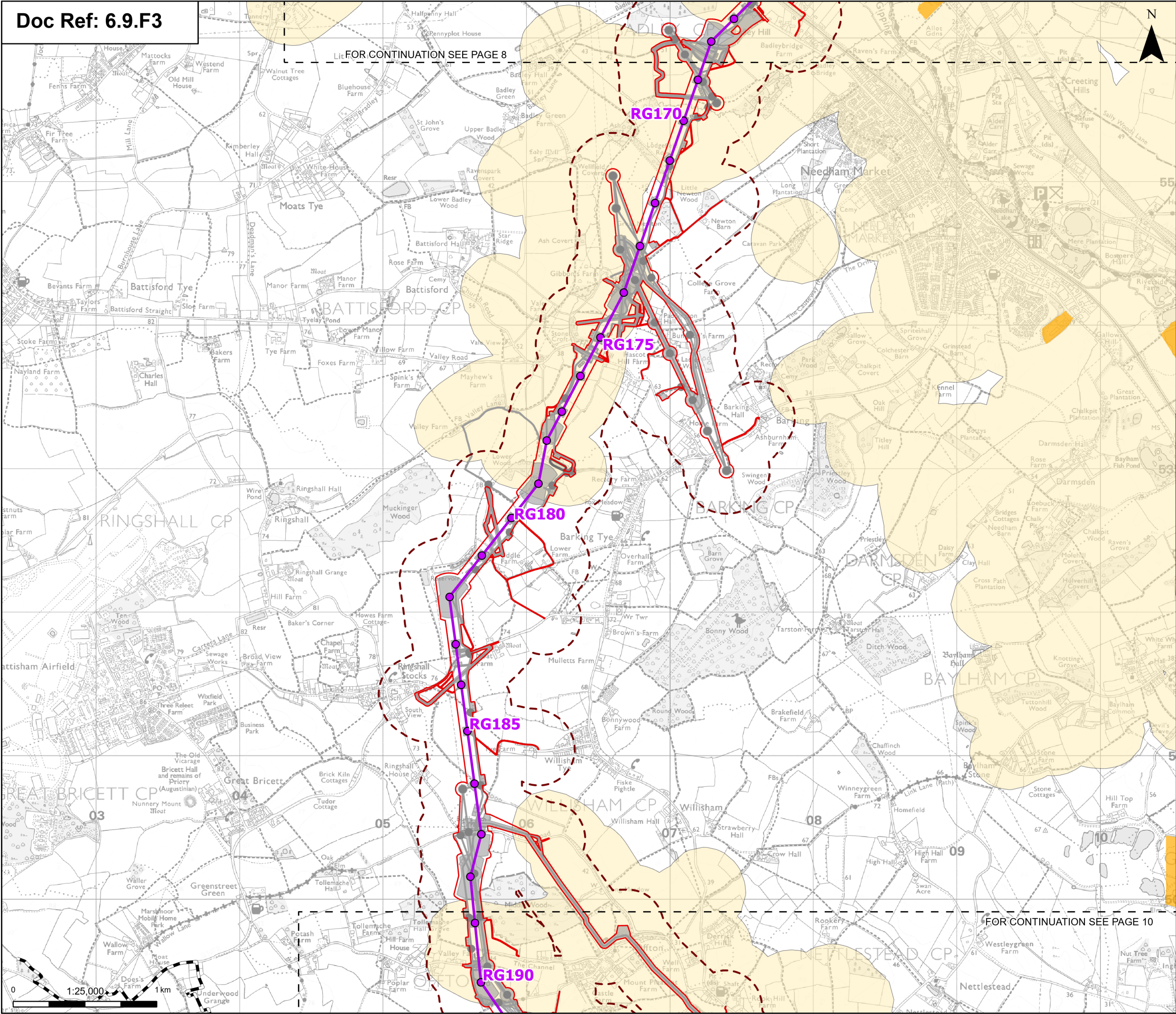
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Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

Suffolk Mineral & Waste Sites

Suffolk Minerals Consultation Areas

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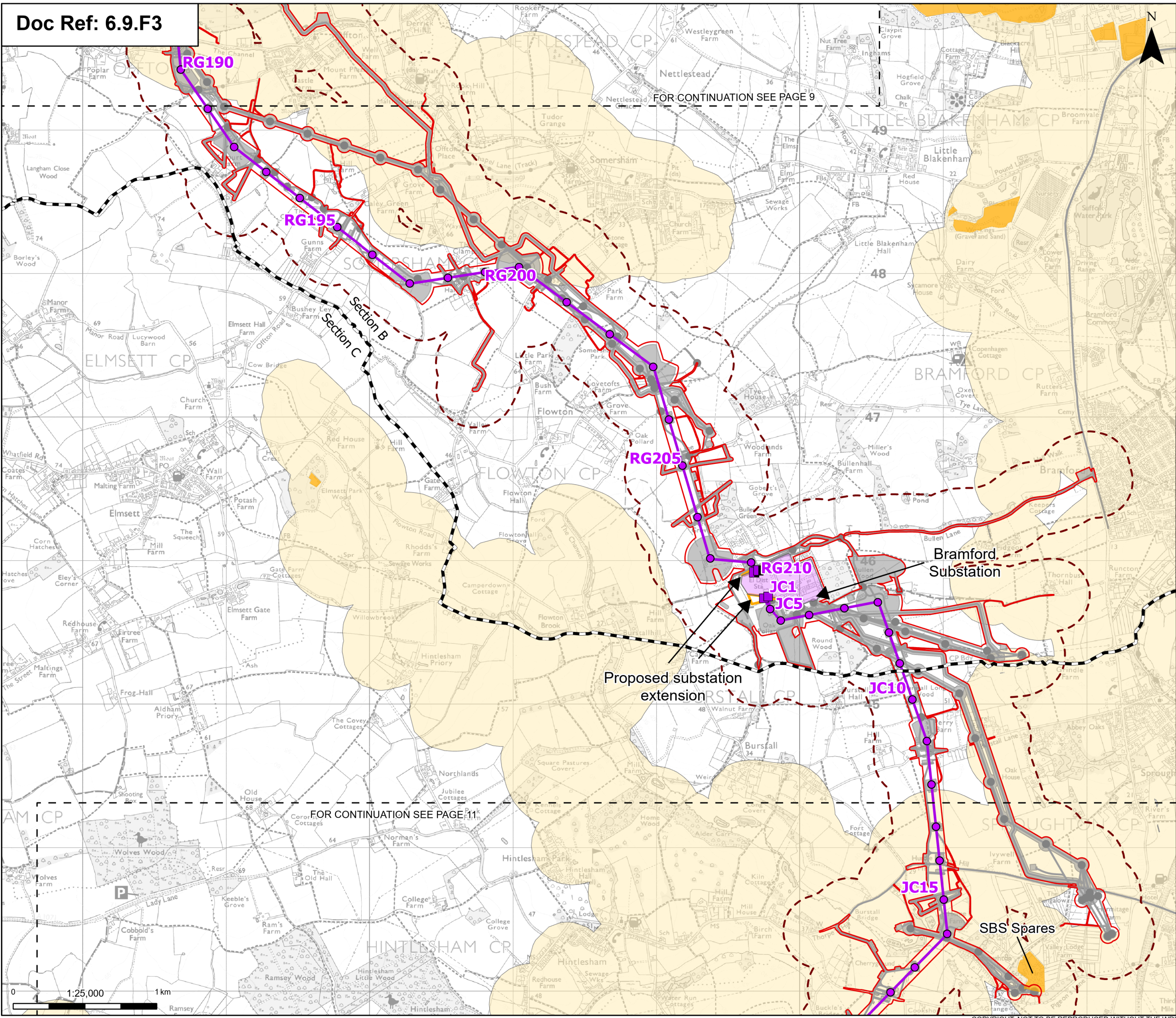
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Discipline specific constraints

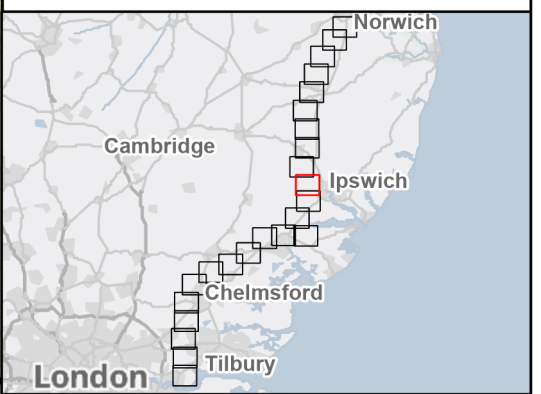
- 250 m Study Area
- Suffolk Mineral & Waste Sites
- Suffolk Minerals Consultation Areas

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

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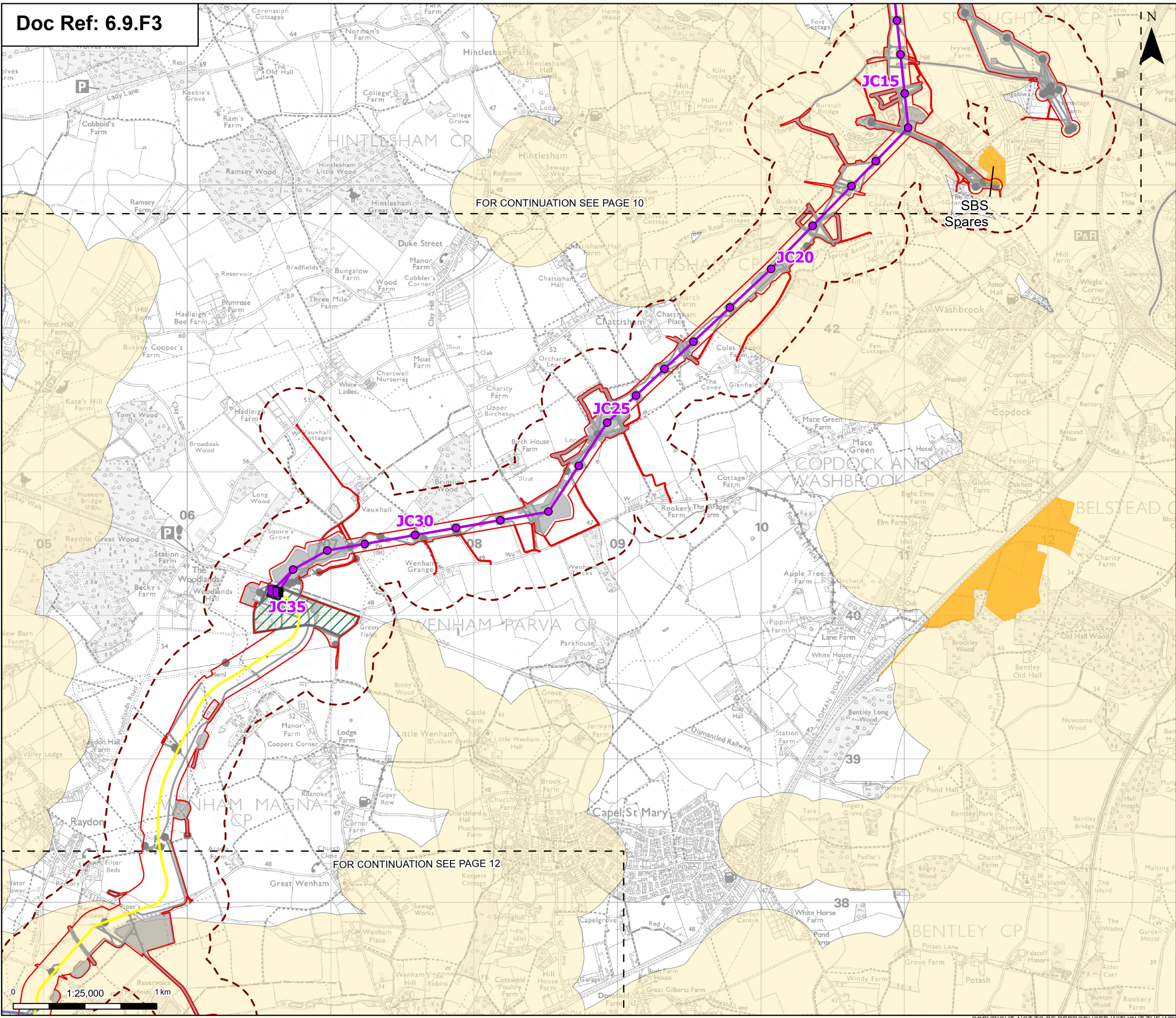
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Proposed full line tension gantry

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

250 m Study Area

Suffolk Mineral & Waste Sites

Minerals Safeguarding Area – sand and gravel

Suffolk Minerals Consultation Areas

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nationalgrid Norwich to
Tilbury

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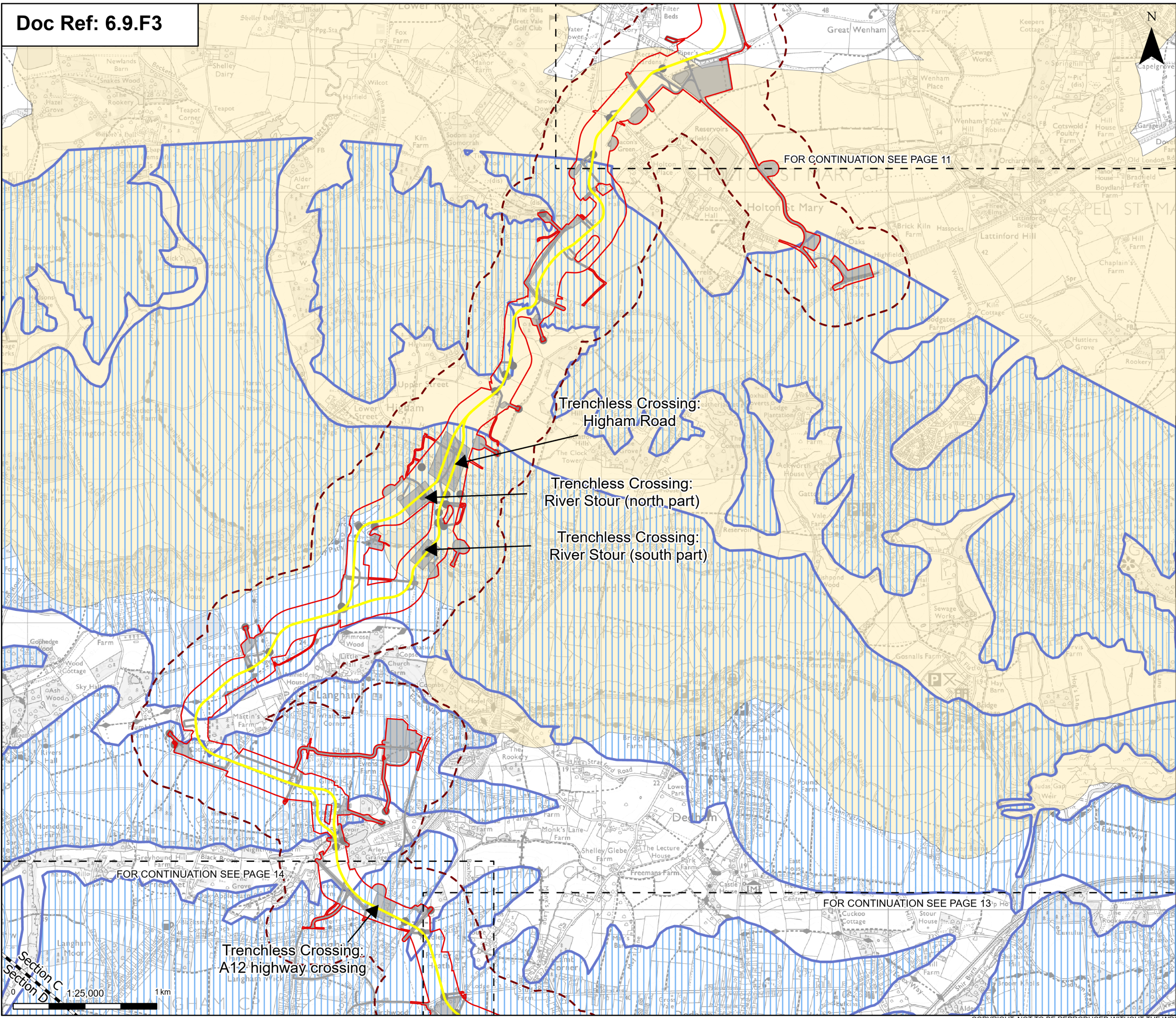
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Figure 9.3 - Contaminated Land,
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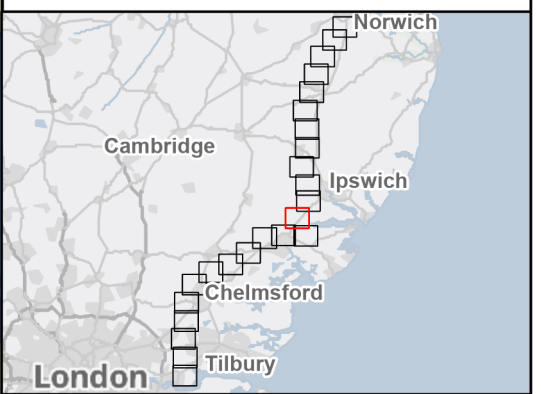
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Proposed underground cable alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
250 m Study Area

Minerals Safeguarding Area – sand and gravel
Suffolk Minerals Consultation Areas

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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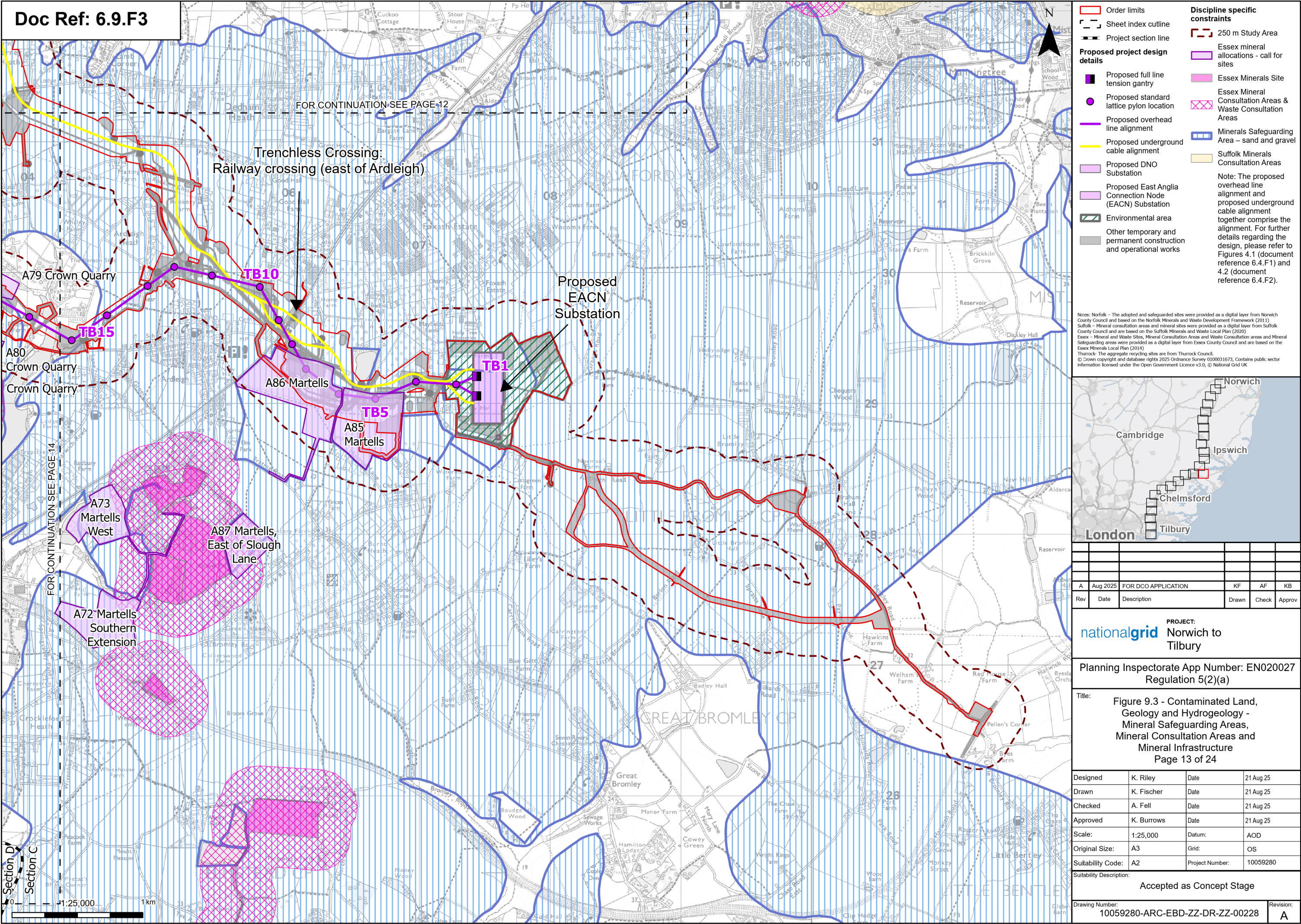
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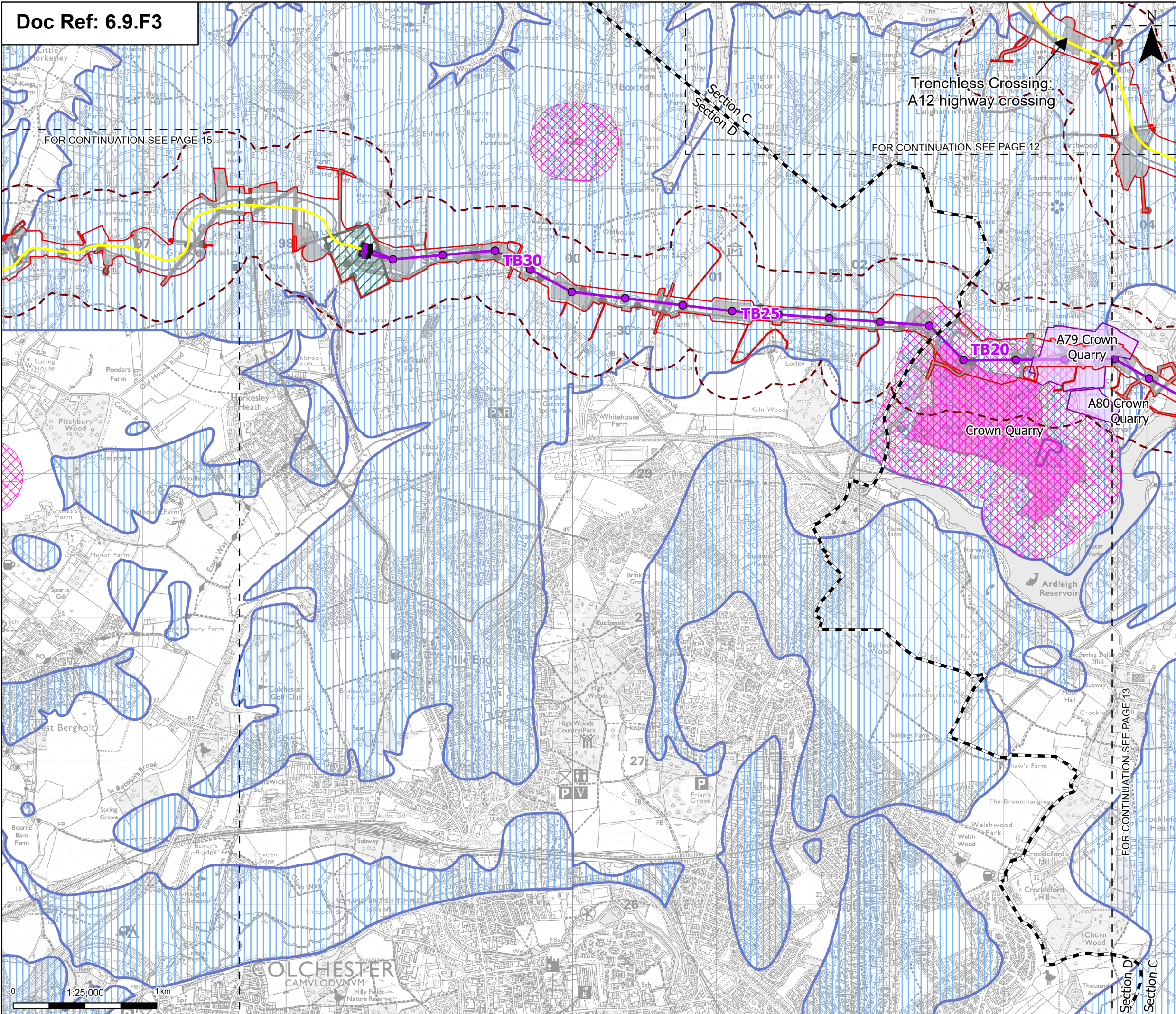
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Proposed full line tension gantry

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

250 m Study Area

Essex mineral allocations - call for sites

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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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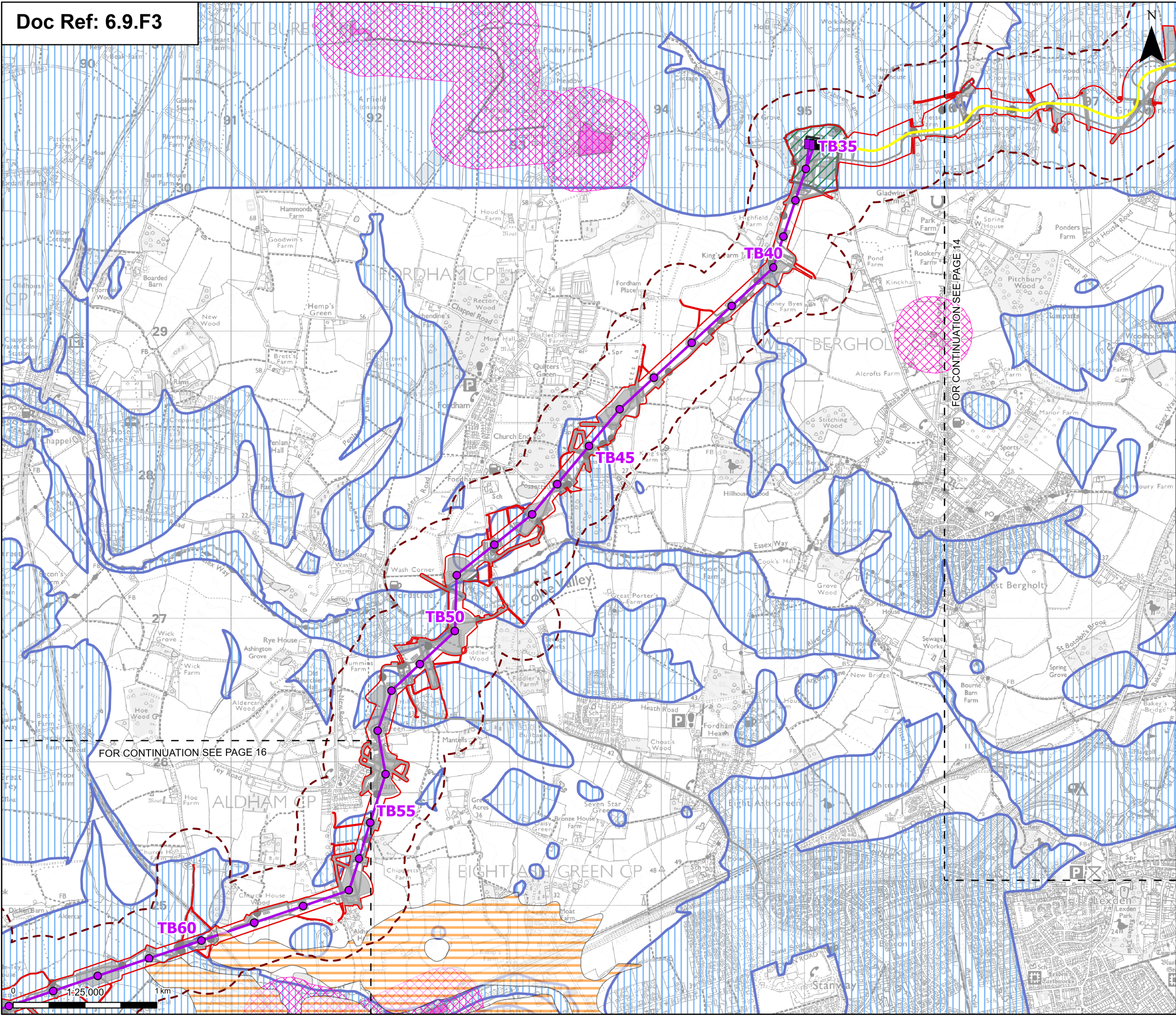
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Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure

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Discipline specific constraints

- 250 m Study Area
- Essex Minerals Site
- Essex Mineral Consultation Areas & Waste Consultation Areas
- Minerals Safeguarding Area – Brickclay
- Minerals Safeguarding Area – sand and gravel

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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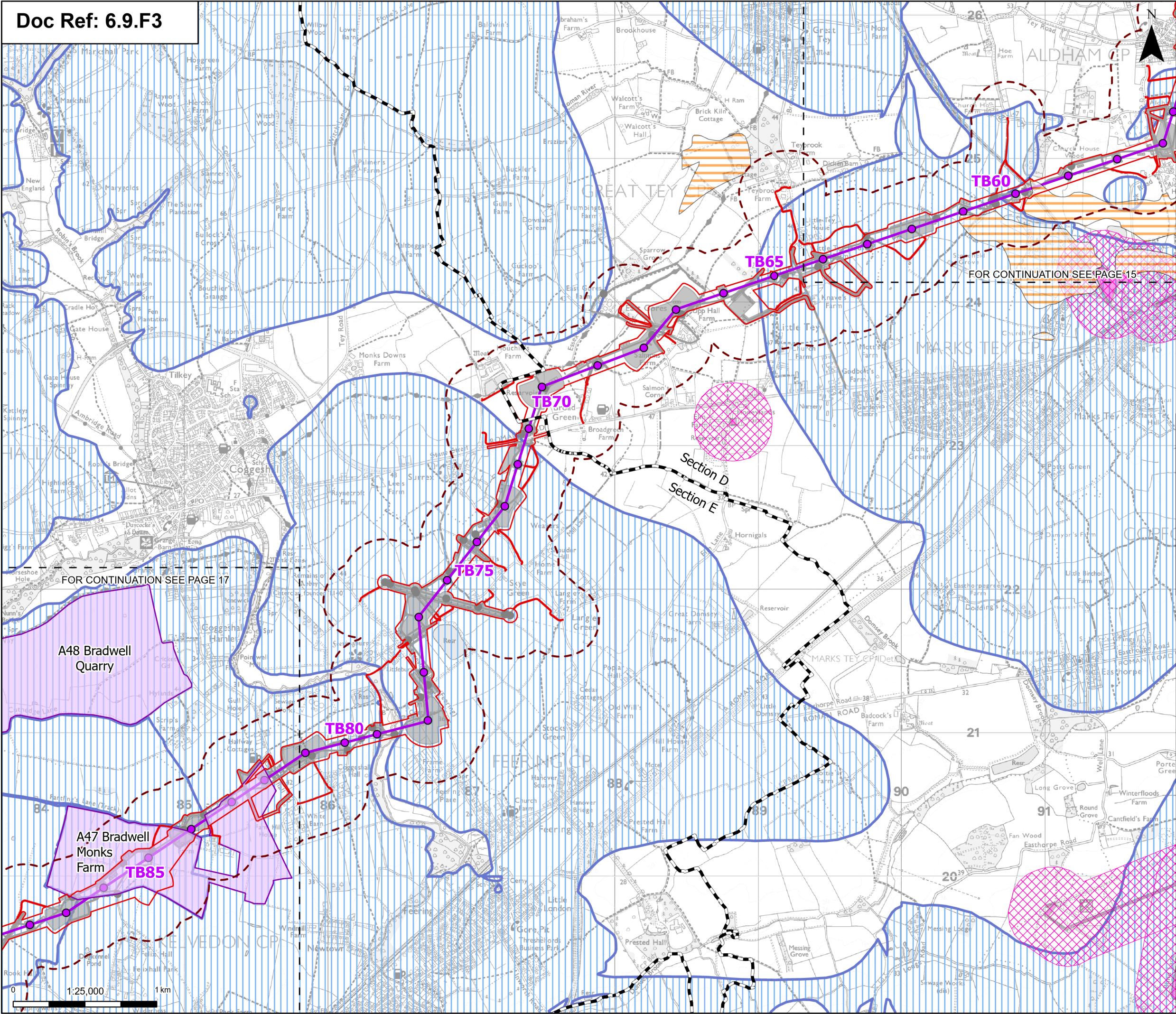
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

Essex mineral allocations - call for sites

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – Brickclay

Minerals Safeguarding Area – sand and gravel

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 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure

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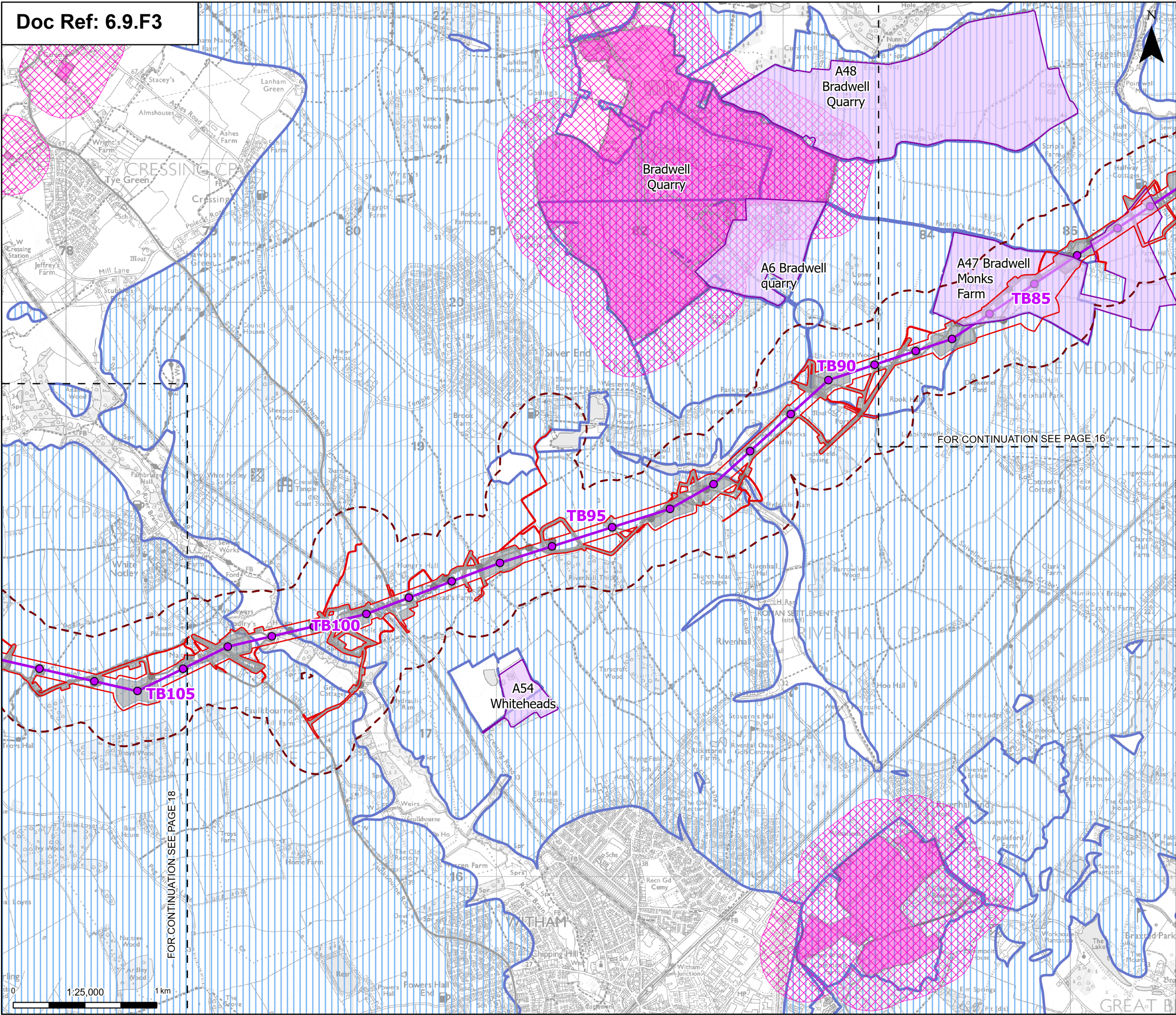
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Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

Essex mineral allocations - call for sites

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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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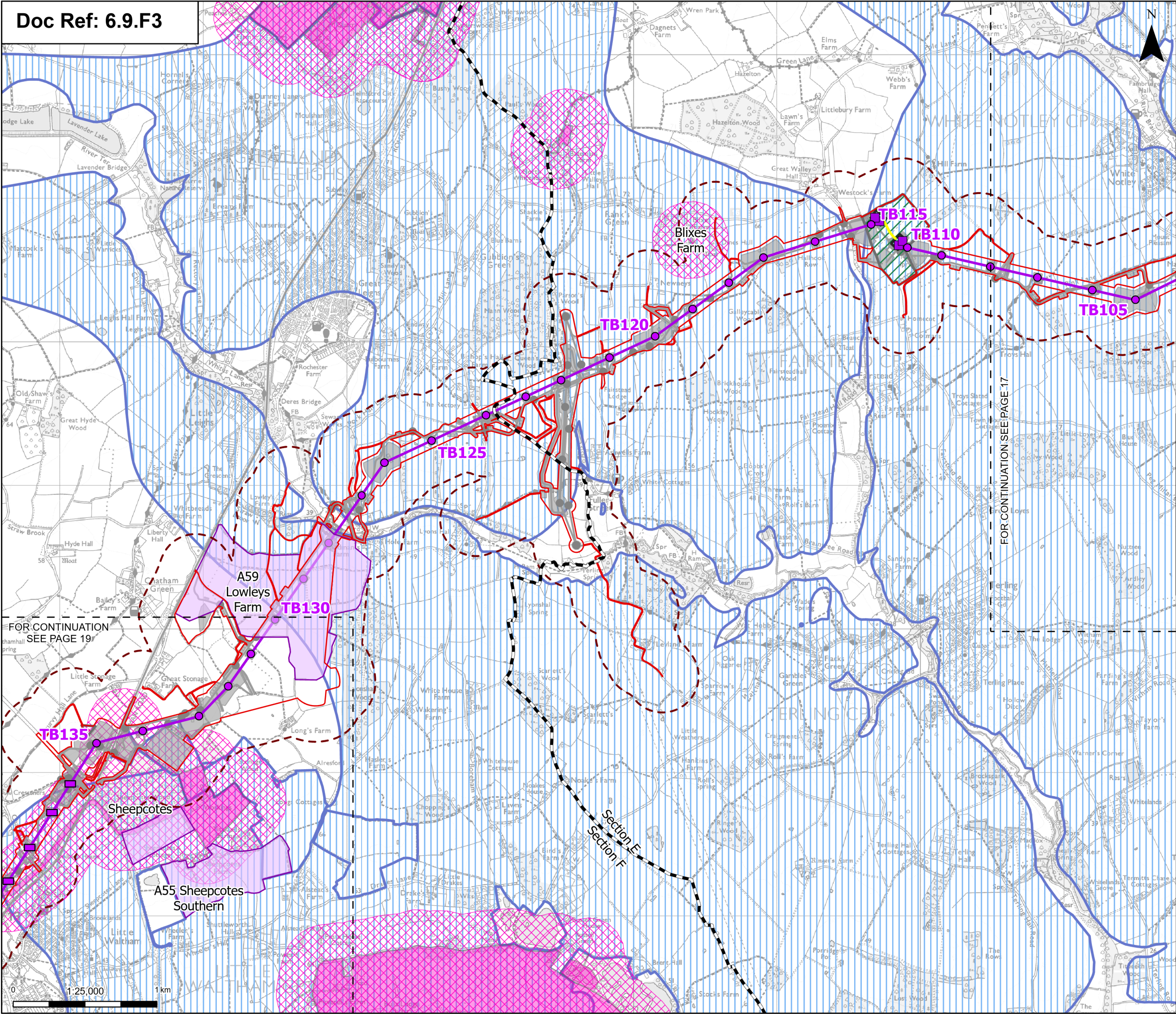
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Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure

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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

250 m Study Area

Essex mineral allocations - call for sites

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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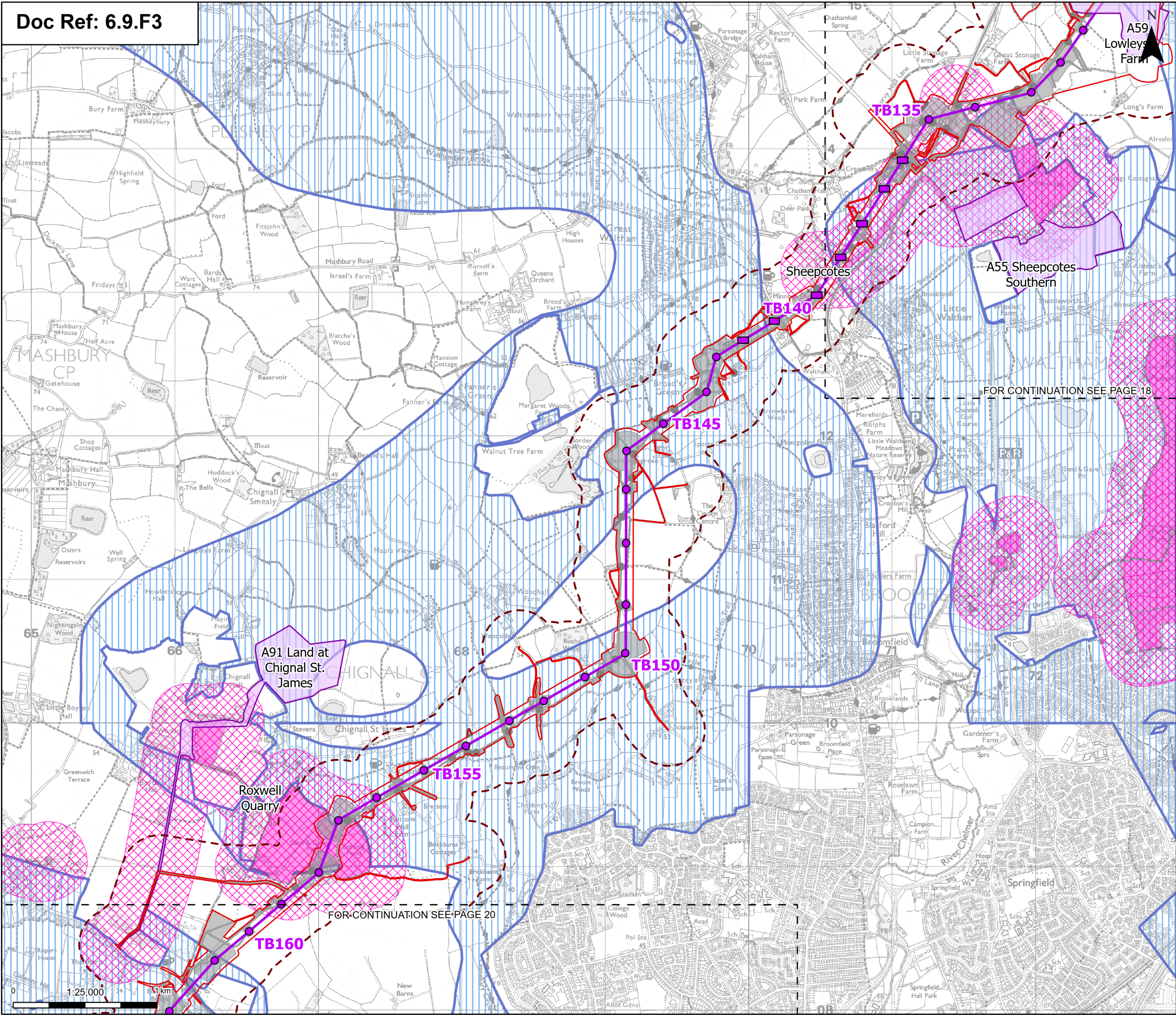
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Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure

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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

- 250 m Study Area

Essex mineral allocations - call for sites

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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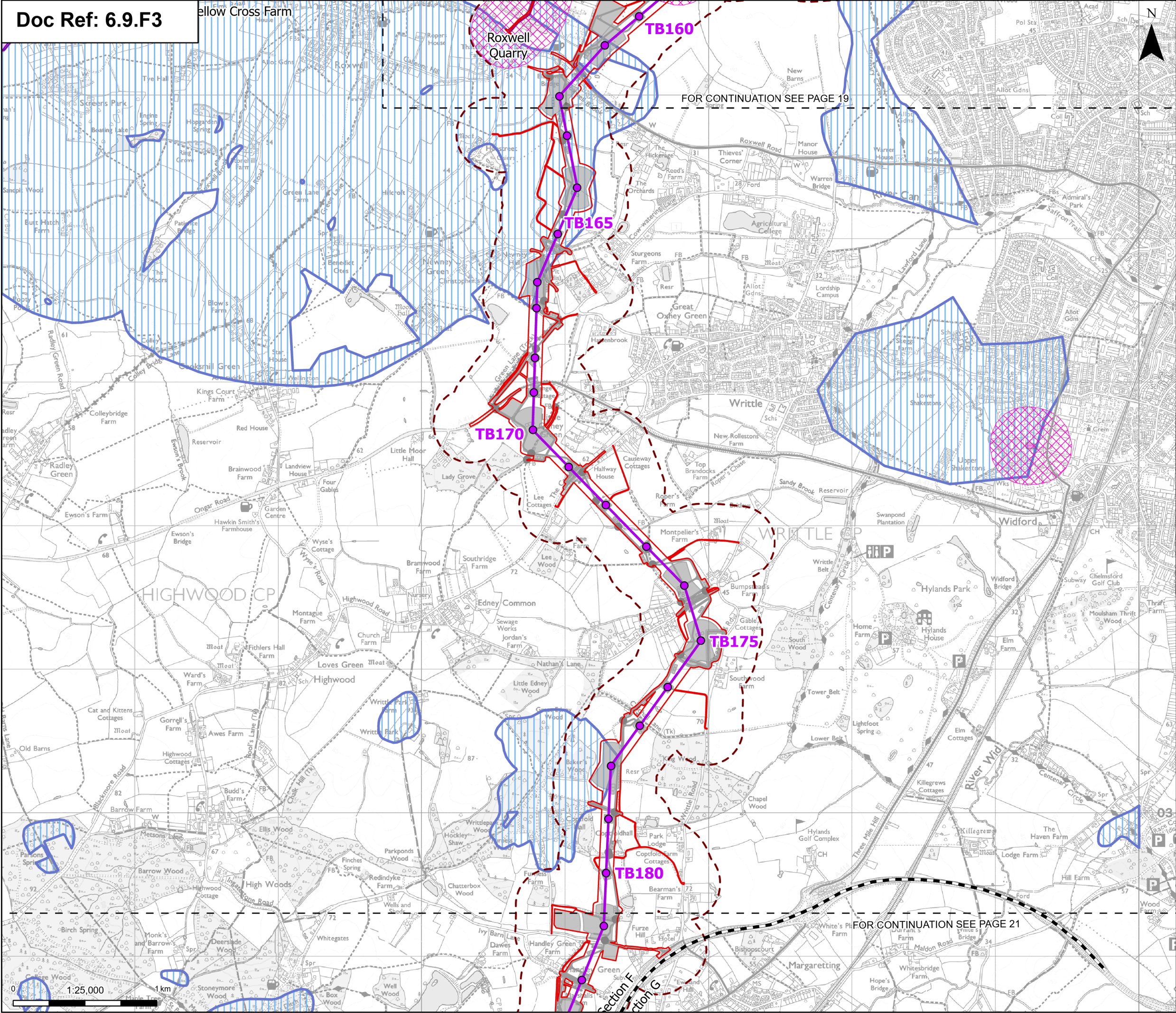
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Proposed overhead line alignment

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Discipline specific constraints

250 m Study Area

Essex mineral allocations - call for sites

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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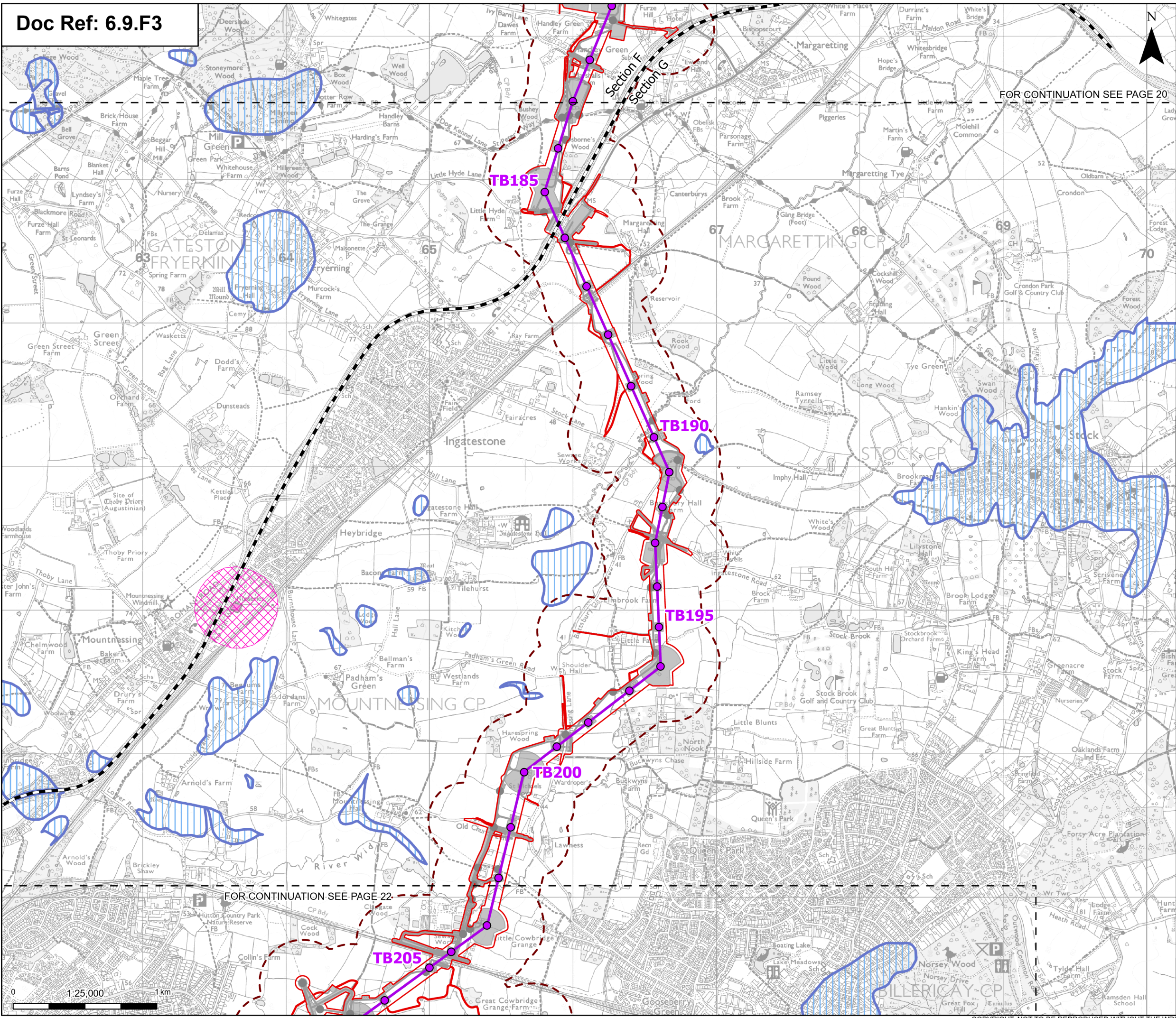
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Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

250 m Study Area

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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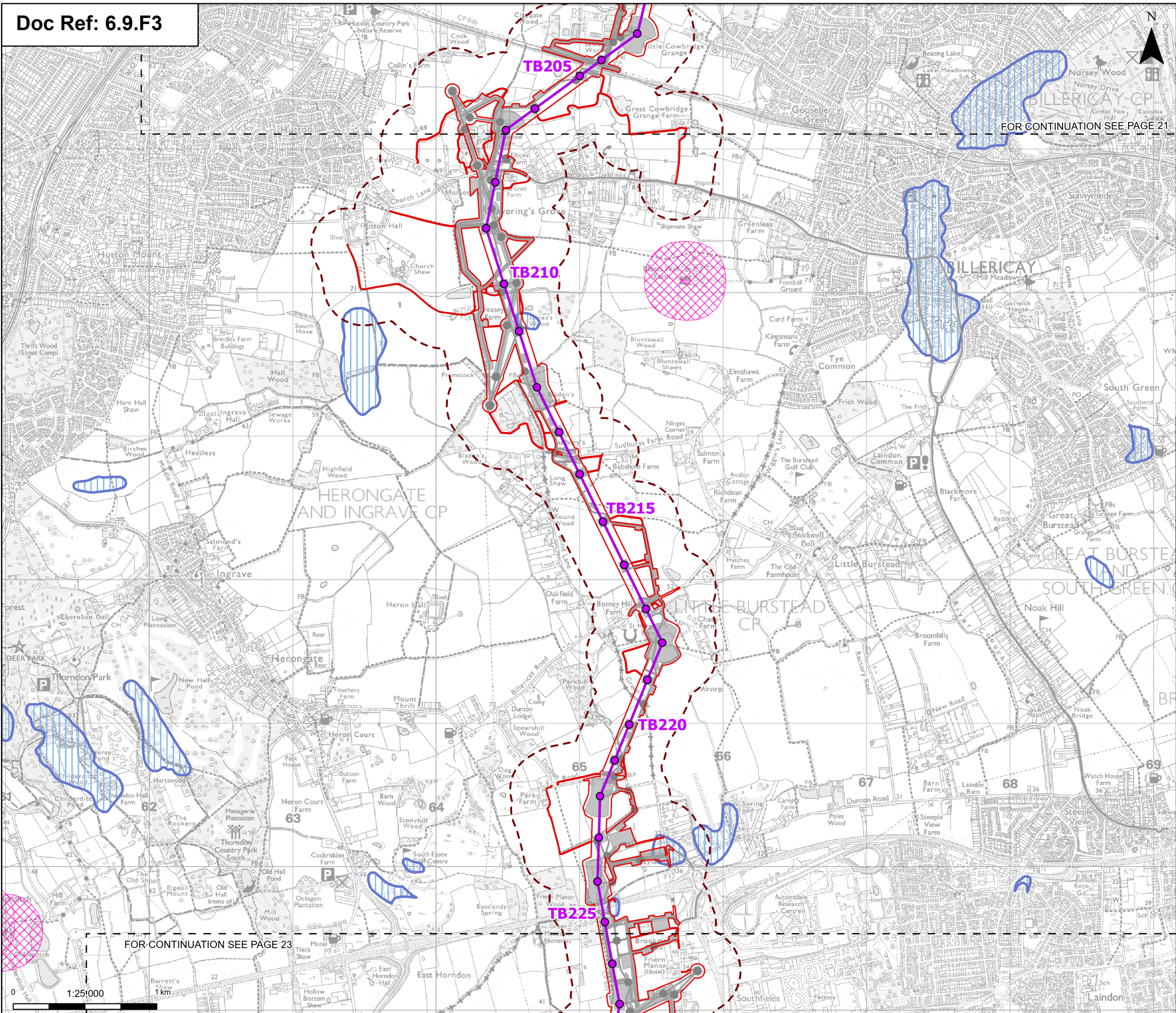
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Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

250 m Study Area

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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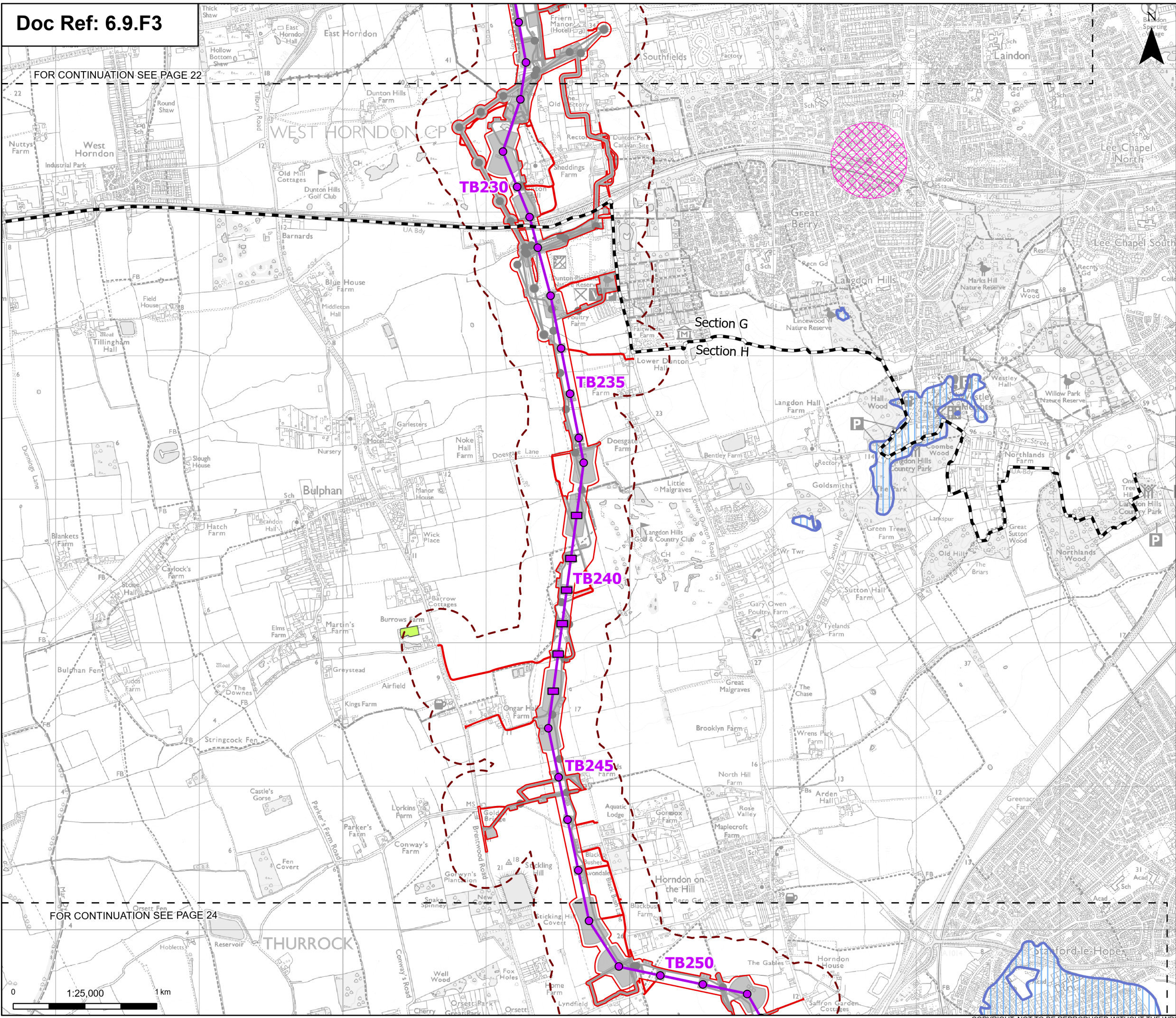
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Proposed low height pylon location

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

250 m Study Area

Aggregate Recycling Sites

Essex Minerals Site

Essex Mineral Consultation Areas & Waste Consultation Areas

Minerals Safeguarding Area – sand and gravel

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

250 m Study Area

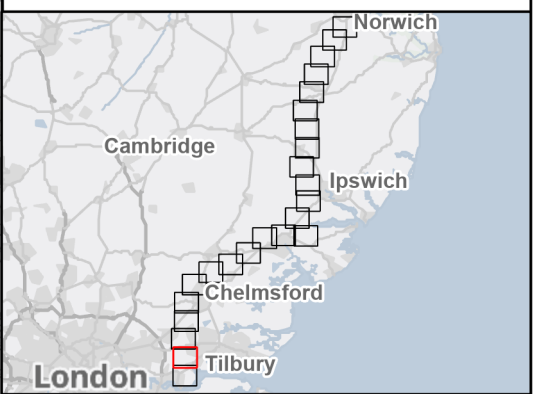
Notes: Norfolk – The adopted and safeguarded sites were provided as a digital layer from Norfolk County Council and based on the Norfolk Minerals and Waste Development Framework (2011)

Suffolk – Mineral consultation areas and mineral sites were provided as a digital layer from Suffolk County Council and are based on the Suffolk Minerals and Waste Local Plan (2020)

Essex – Mineral and Waste Sites, Mineral Consultation Areas and Waste Consultation areas and Mineral Safeguarding areas were provided as a digital layer from Essex County Council and are based on the Essex Minerals Local Plan (2014)

Thurrock – The aggregate recycling sites are from Thurrock Council.

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

PROJECT: **Norwich to Tilbury**

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

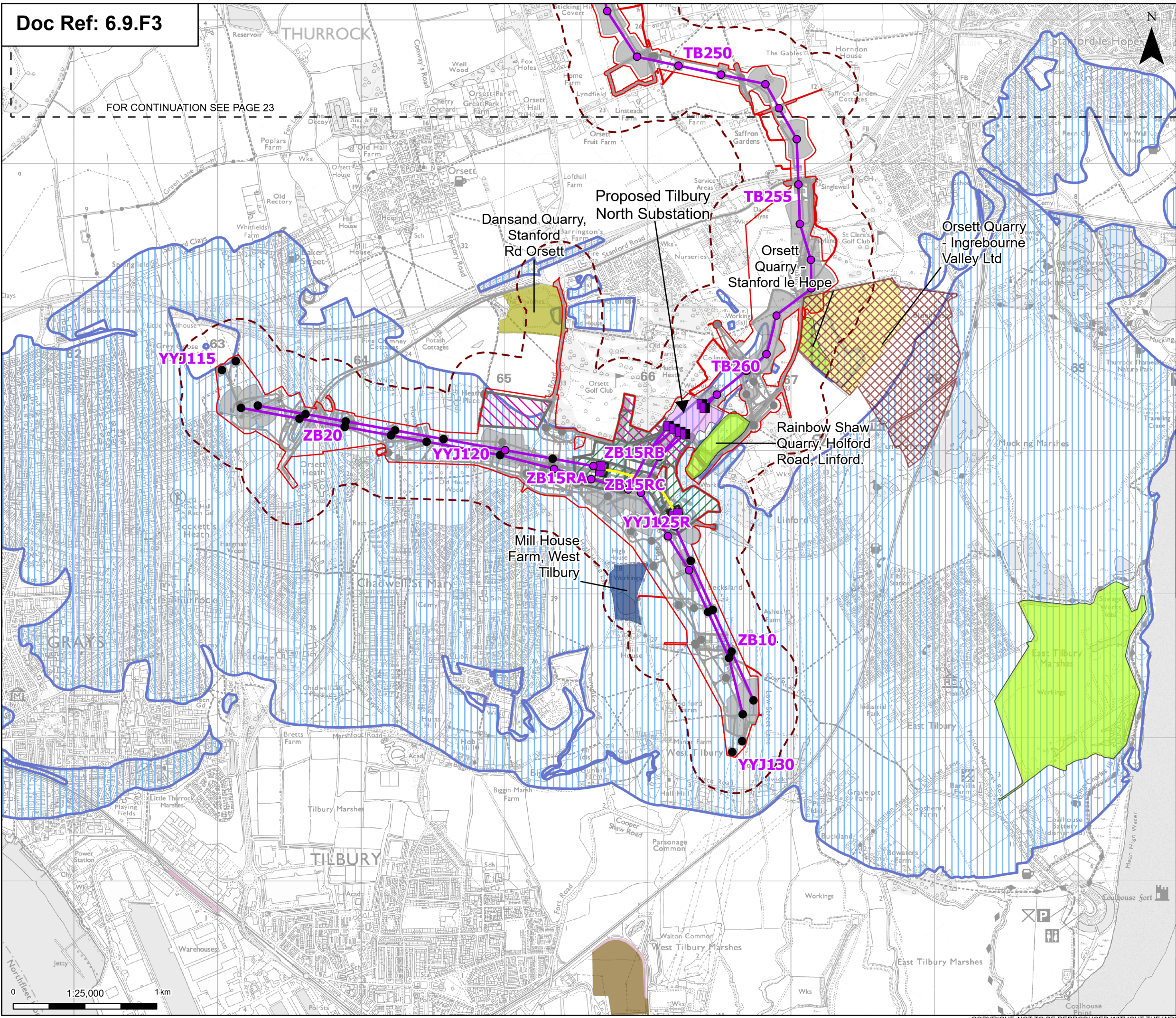
Title: **Figure 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure**
Page 23 of 24

Designed	K. Riley	Date	21 Aug 25
Drawn	K. Fischer	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-EBD-ZZ-DR-ZZ-00228	Revision:	A
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FOR CONTINUATION SEE PAGE 23



Order limits

Sheet index outline

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

250 m Study Area

Applications

Aggregate Recycling Sites

Aggregate Recycling Sites / Quarries

Aggregate Terminals / Recycling Sites

Mothballed Quarries

Quarries

Rail Heads / Depots

Minerals Safeguarding Area – sand and gravel

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: Norfolk – The adopted and safeguarded sites were provided as a digital layer from Norfolk County Council and based on the Norfolk Minerals and Waste Development Framework (2011). Suffolk – Mineral consultation areas and mineral sites were provided as a digital layer from Suffolk County Council and are based on the Suffolk Minerals and Waste Local Plan (2020). Essex – Mineral and Waste Sites, Mineral Consultation Areas and Waste Consultation areas and Mineral Safeguarding areas were provided as a digital layer from Essex County Council and are based on the Essex Minerals Local Plan (2014). Thurrock – The aggregate recycling sites are from Thurrock Council. © Crown copyright and database rights 2025 Ordnance Survey 0100031673, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

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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 9.3 - Contaminated Land, Geology and Hydrogeology - Mineral Safeguarding Areas, Mineral Consultation Areas and Mineral Infrastructure

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