

Norwich to Tilbury

Volume 6: Environmental Statement

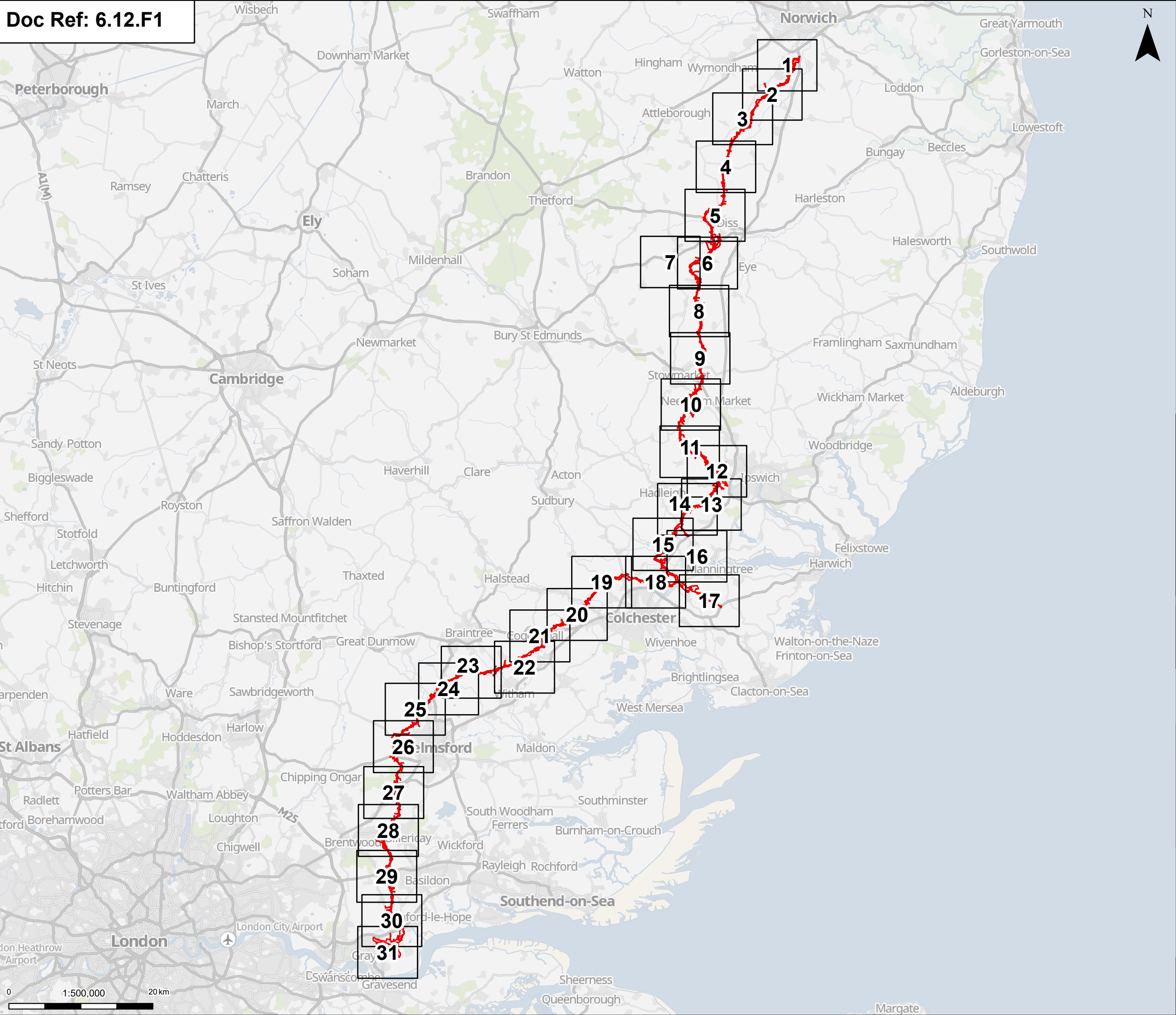
Document: 6.12.F1 Environmental Statement Figure 12.1 - Study Area and Water Environment Features

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

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Norwich to
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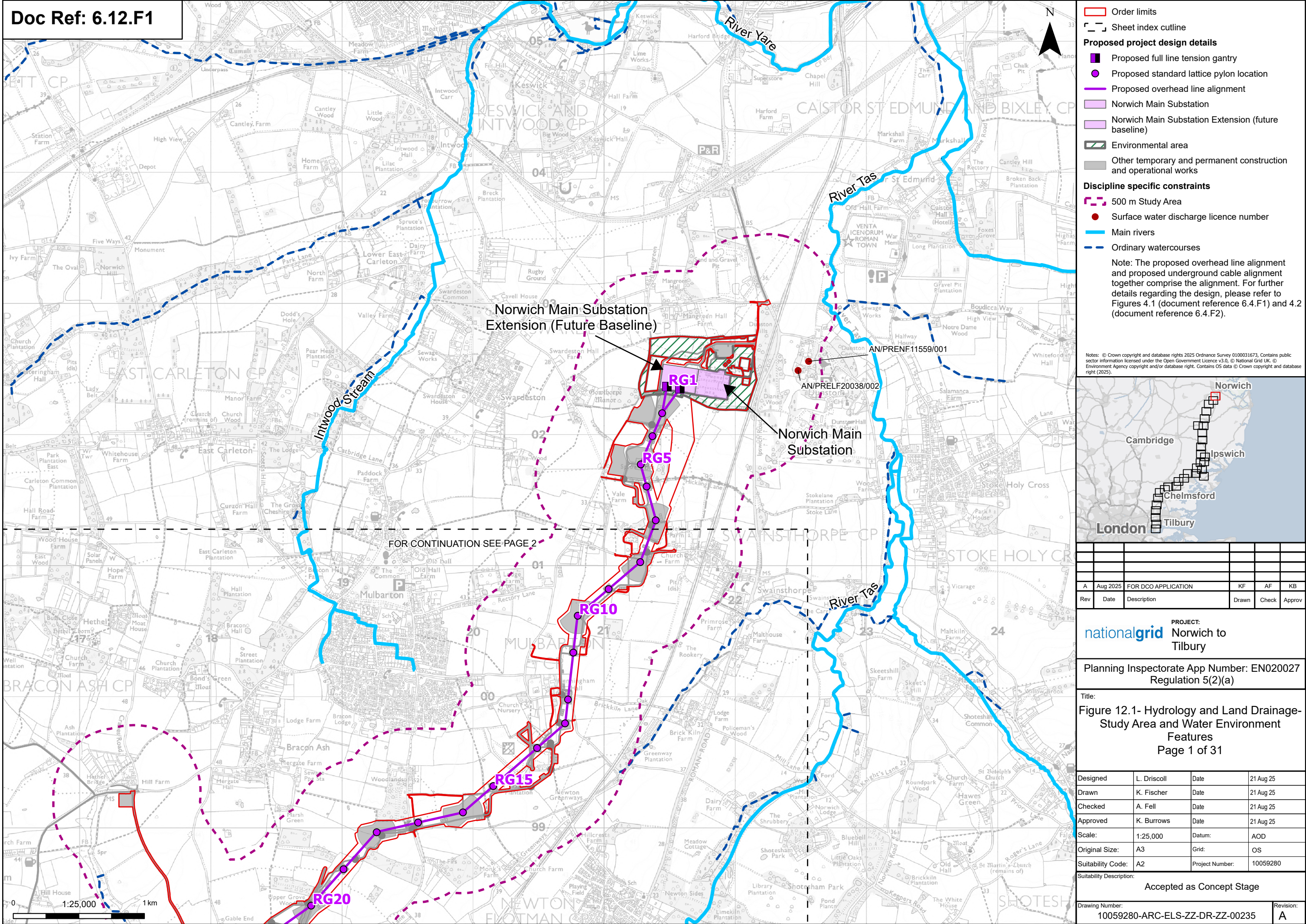
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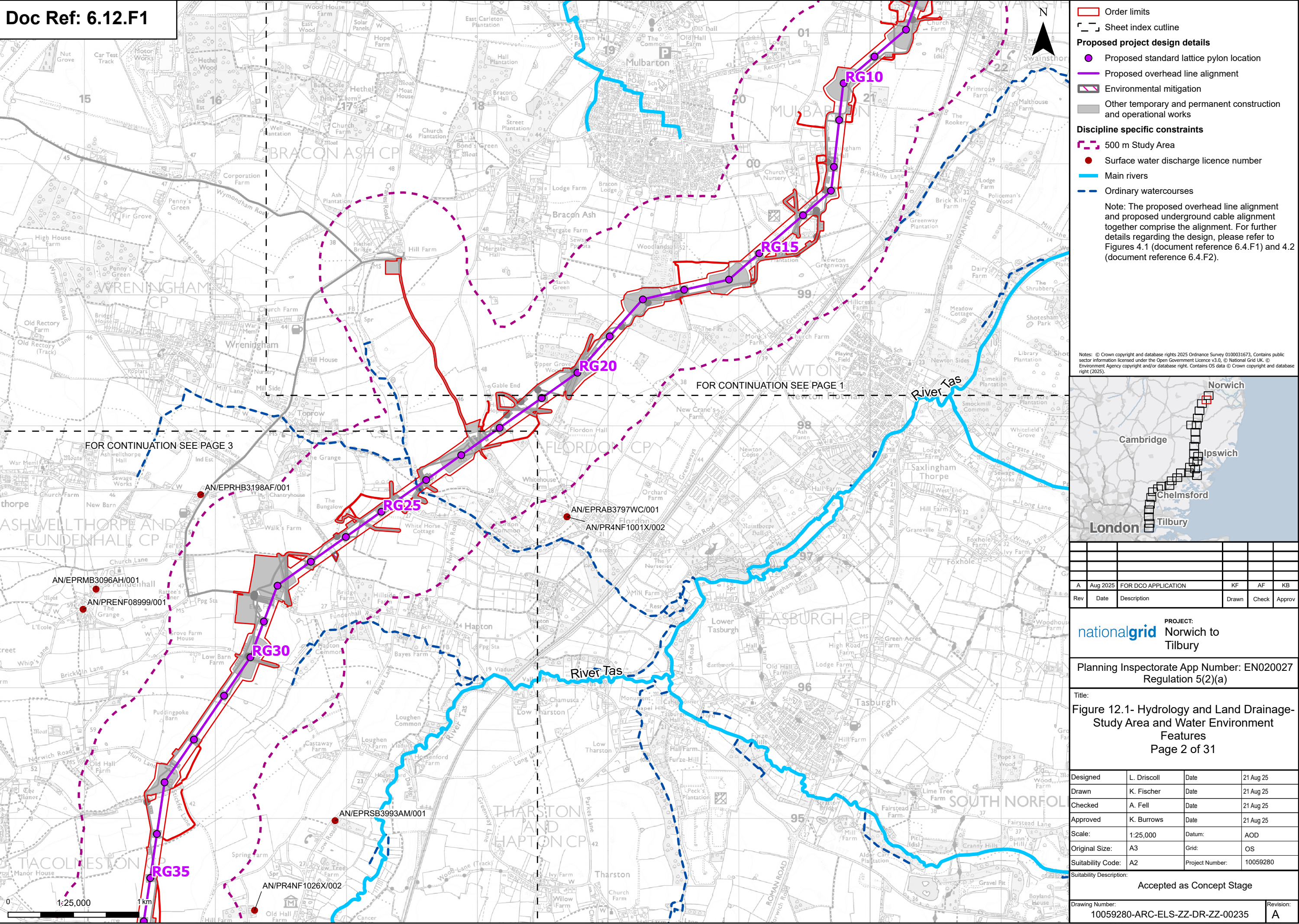
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Study Area and Water Environment
Features
Overview

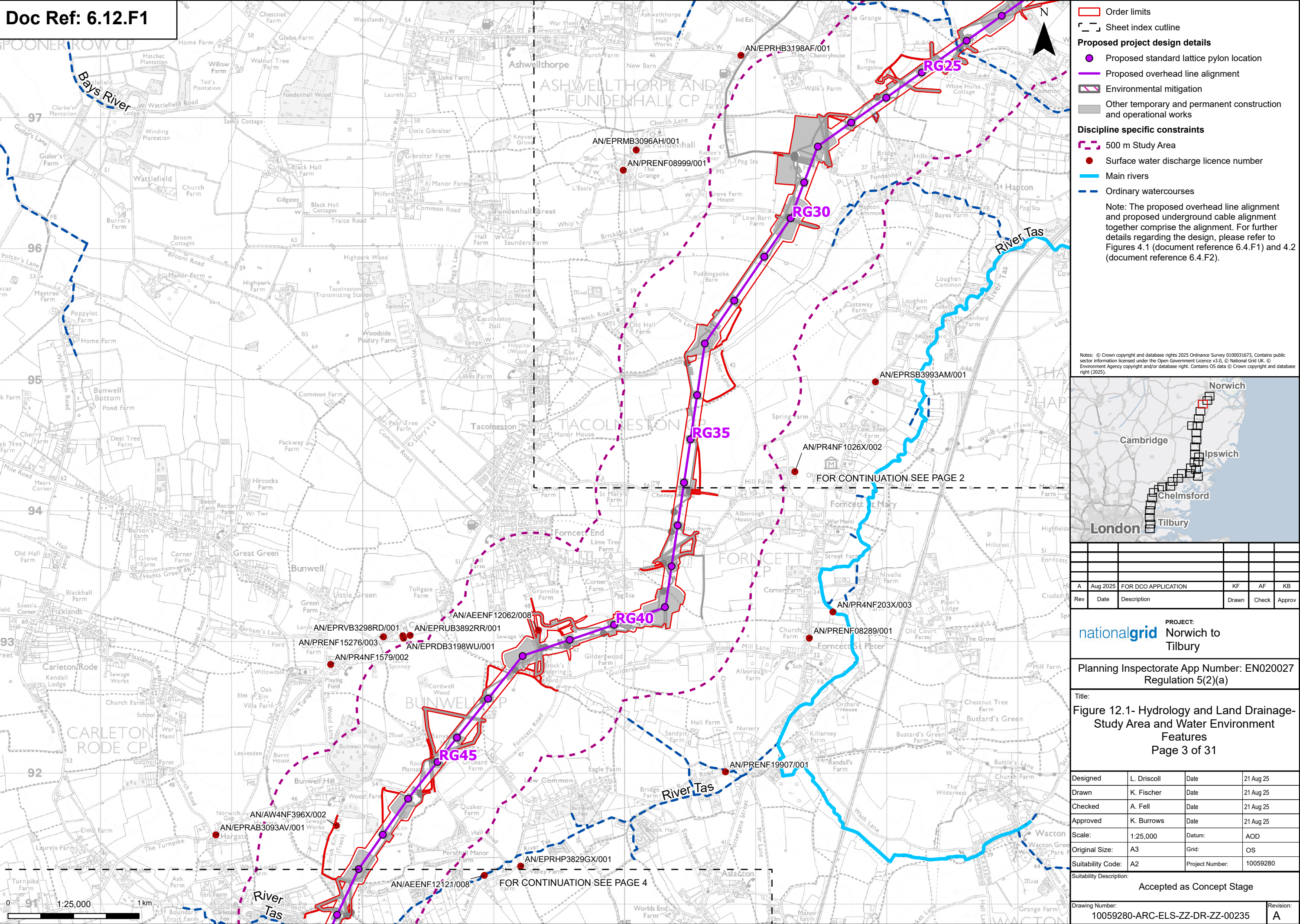
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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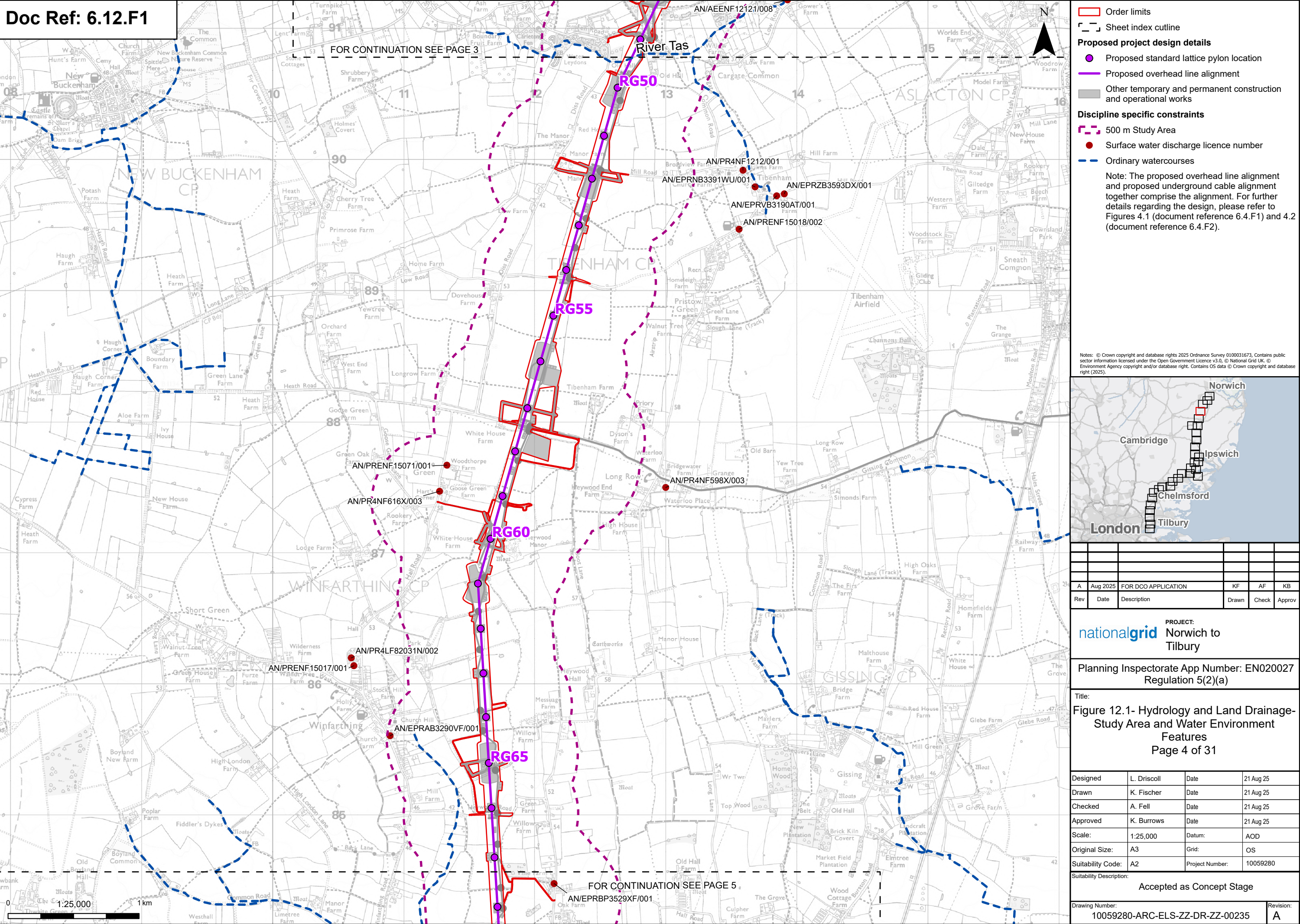
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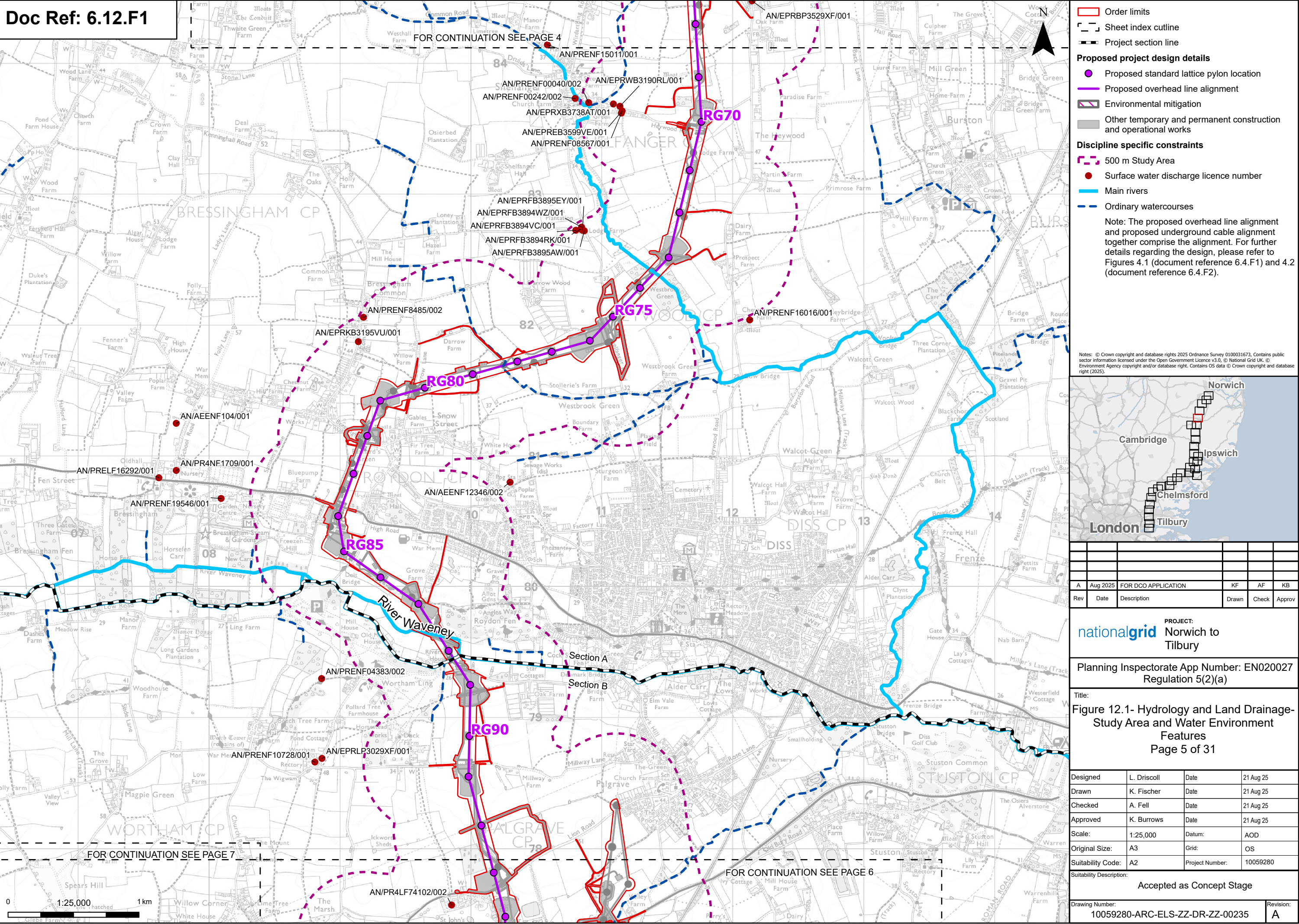
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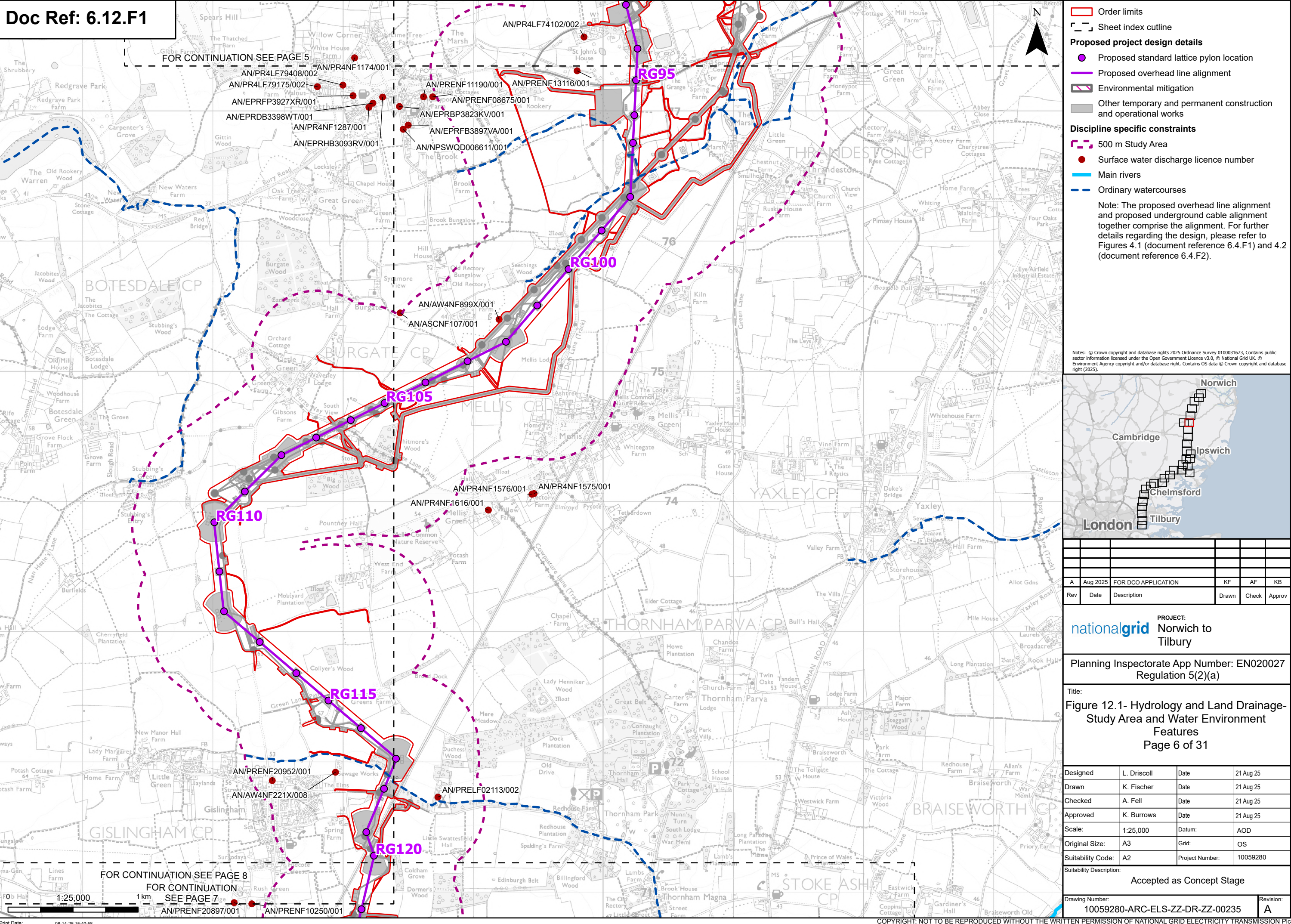


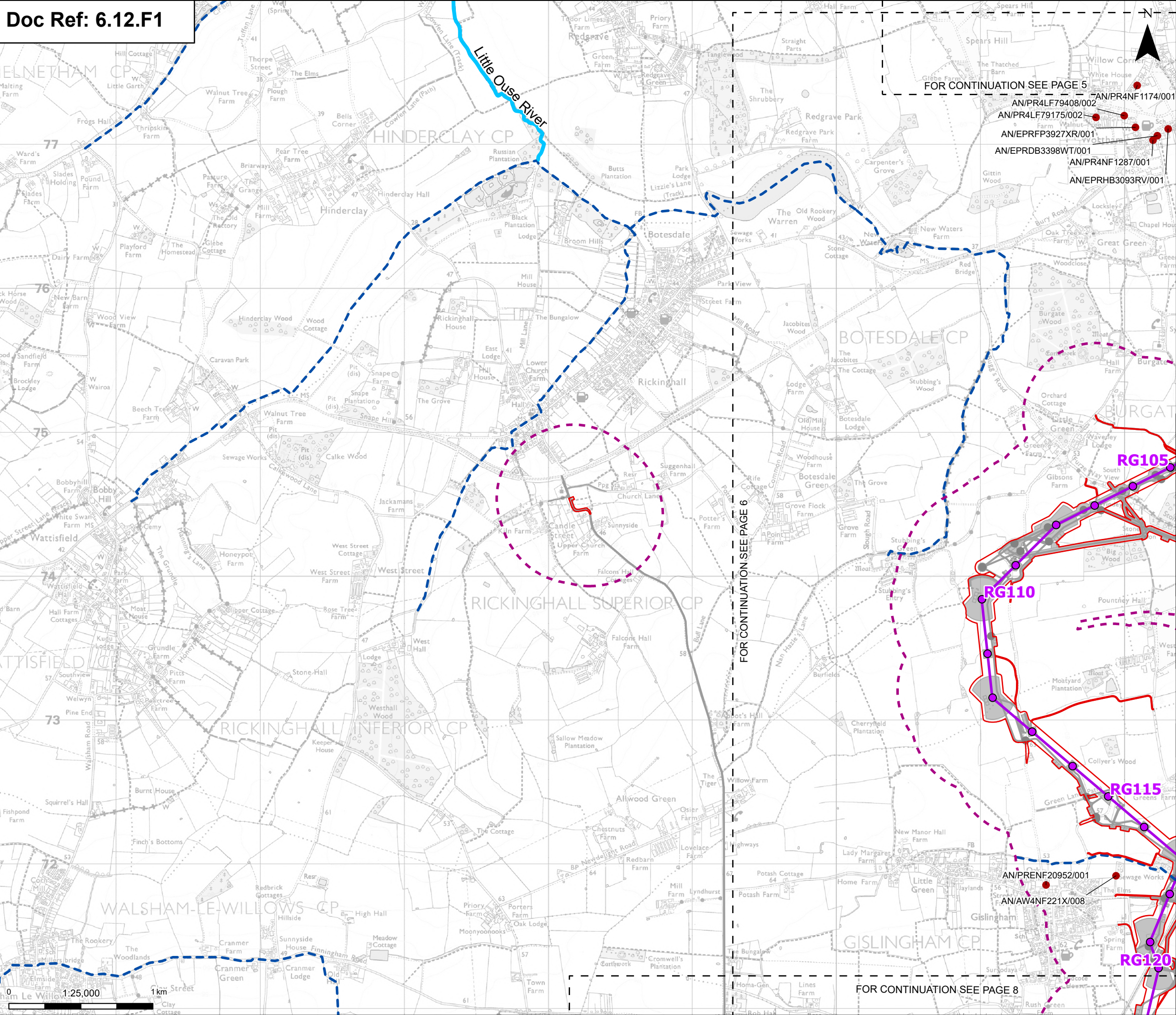












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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

500 m Study Area

Surface water discharge licence number

Main rivers

Ordinary watercourses

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 12.1- Hydrology and Land Drainage-
Study Area and Water Environment
Features
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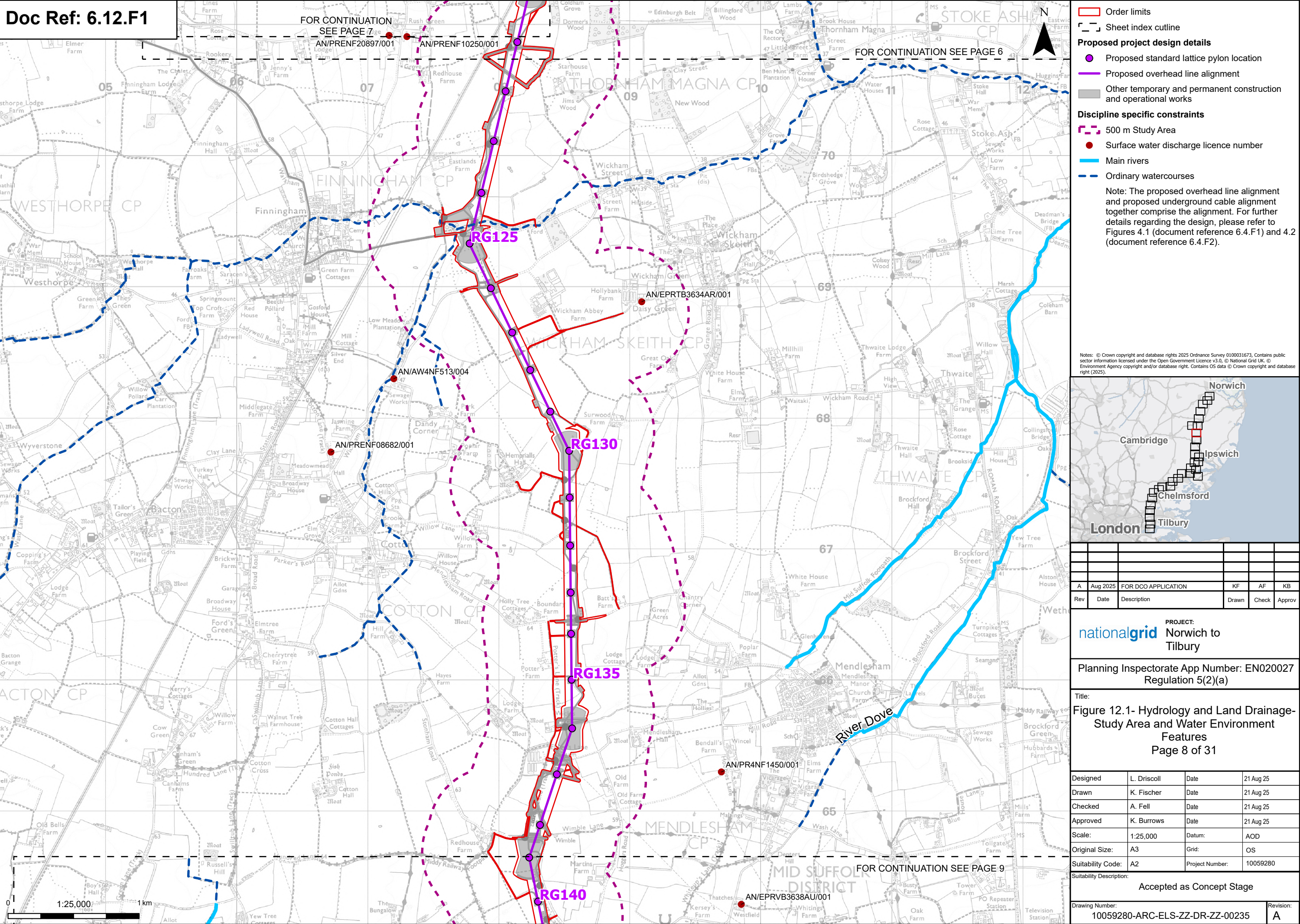
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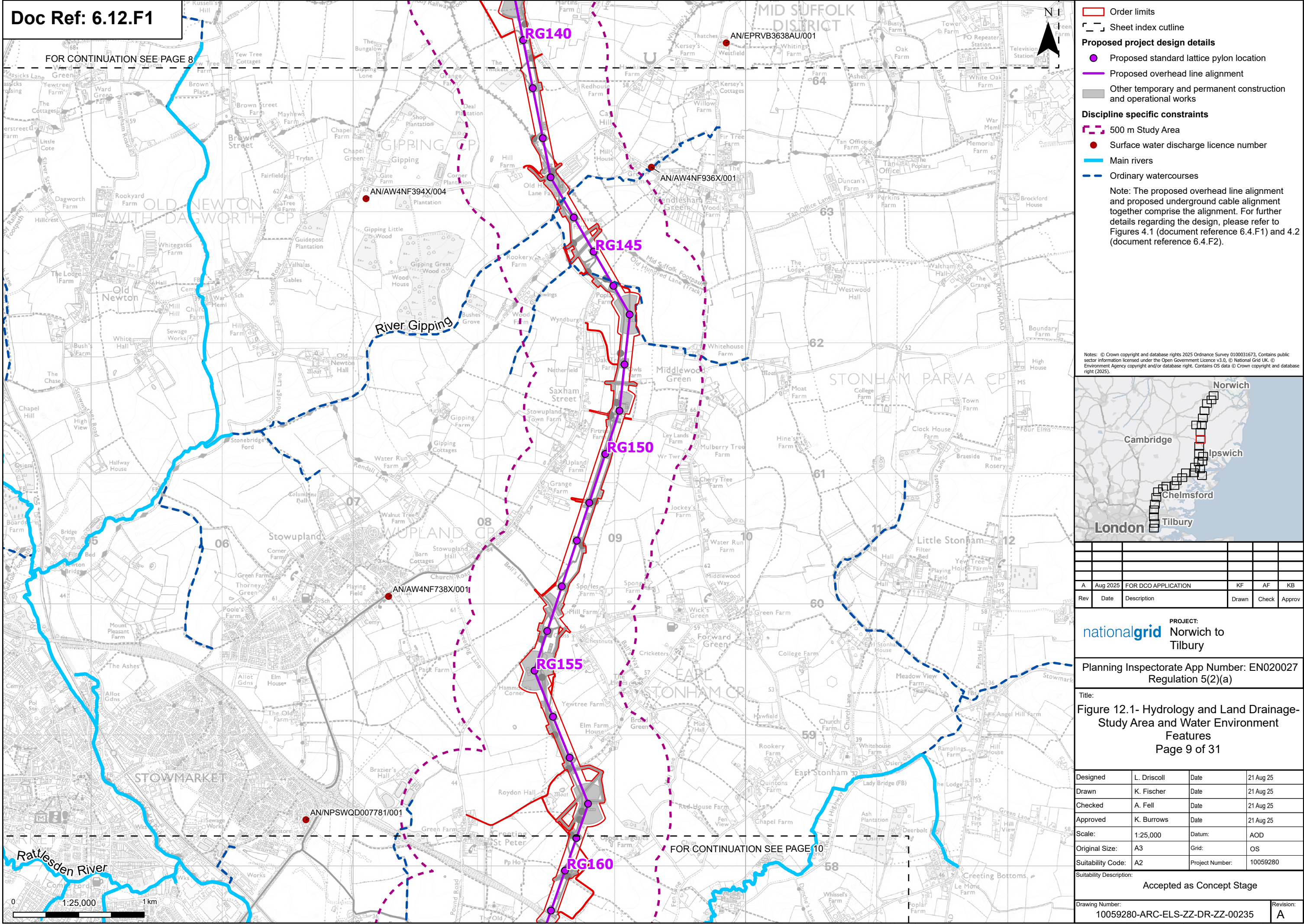
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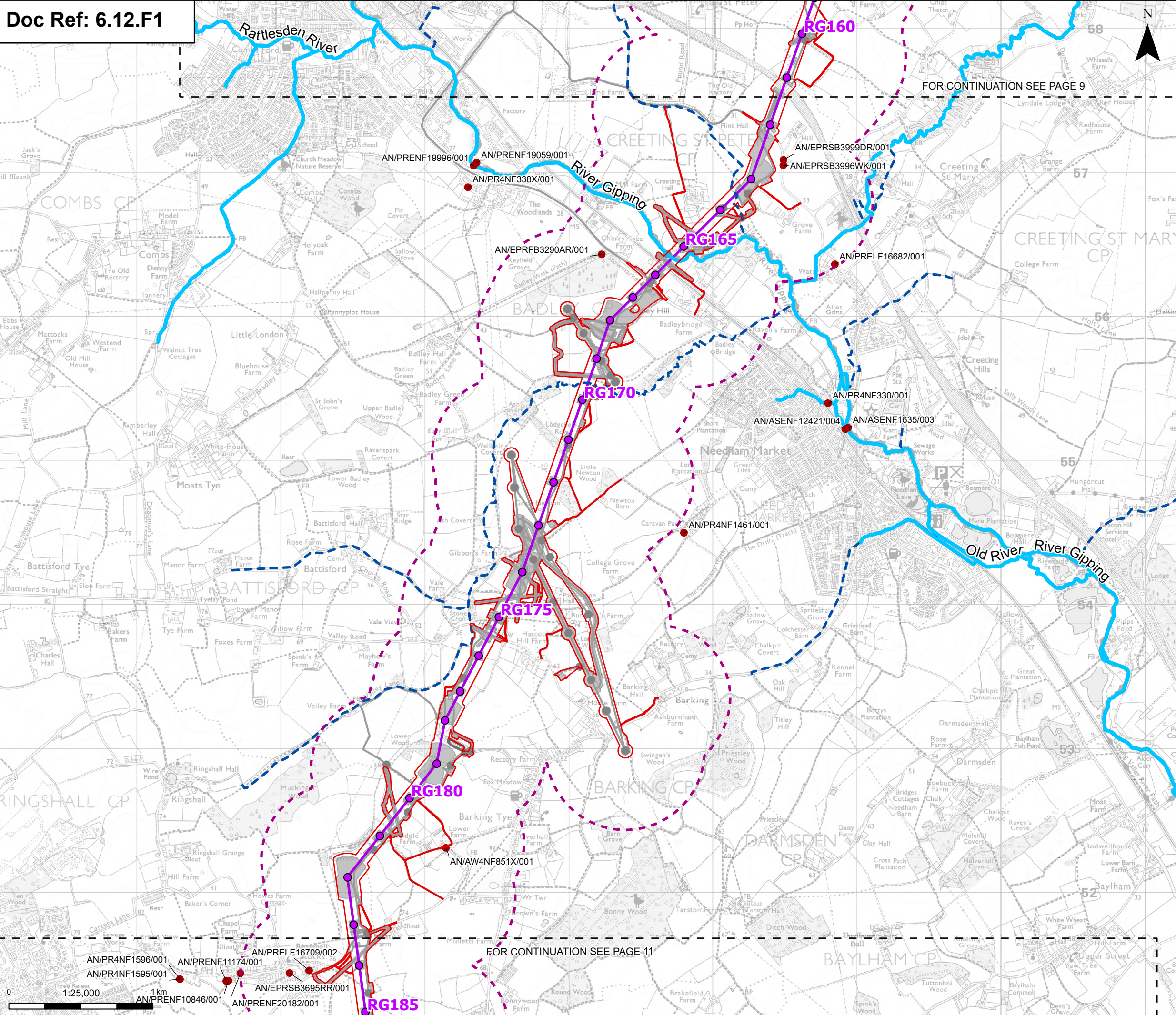
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Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Other temporary and permanent construction and operational works

Discipline specific constraints

500 m Study Area

Surface water discharge licence number

Main rivers

Ordinary watercourses

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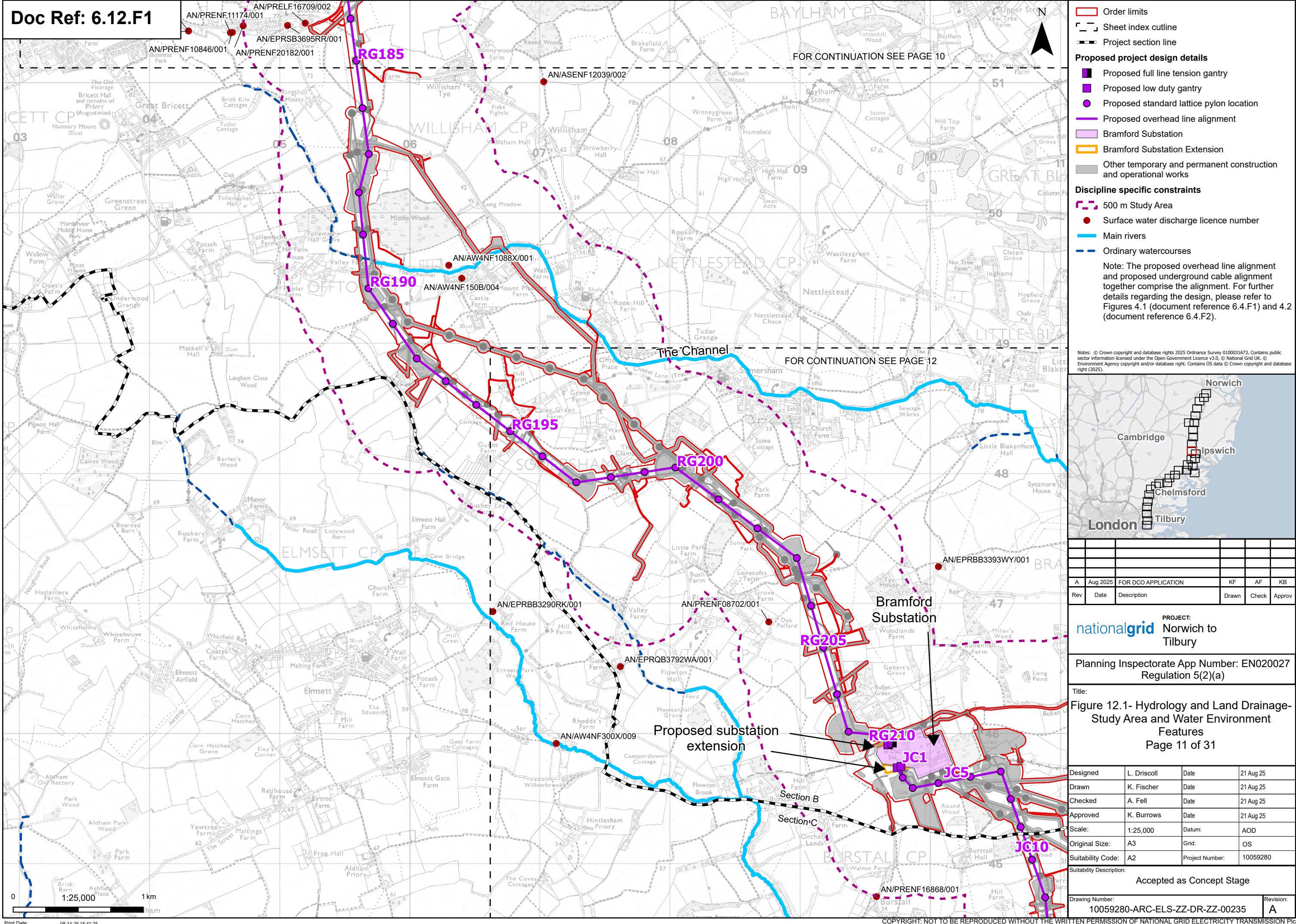
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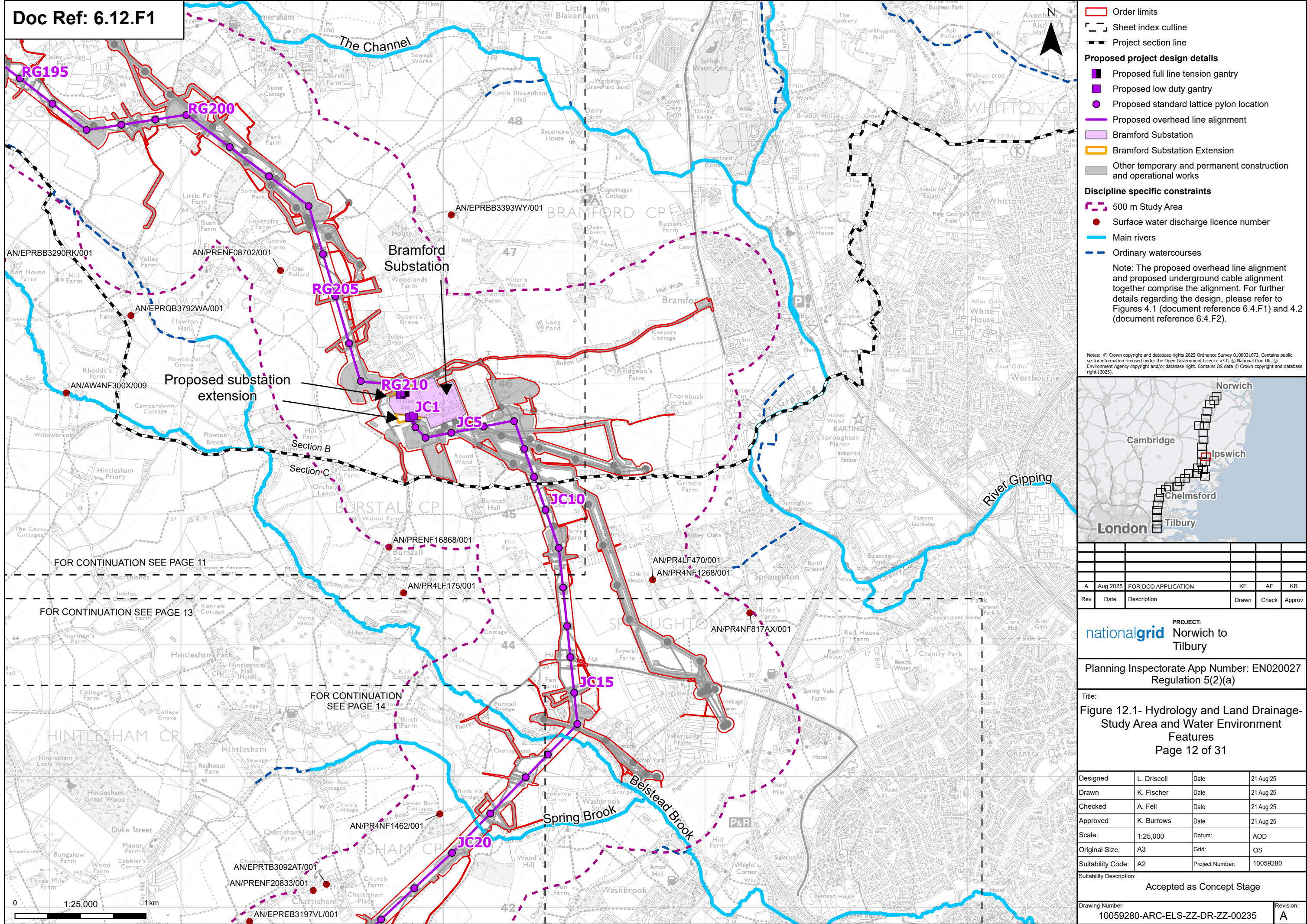
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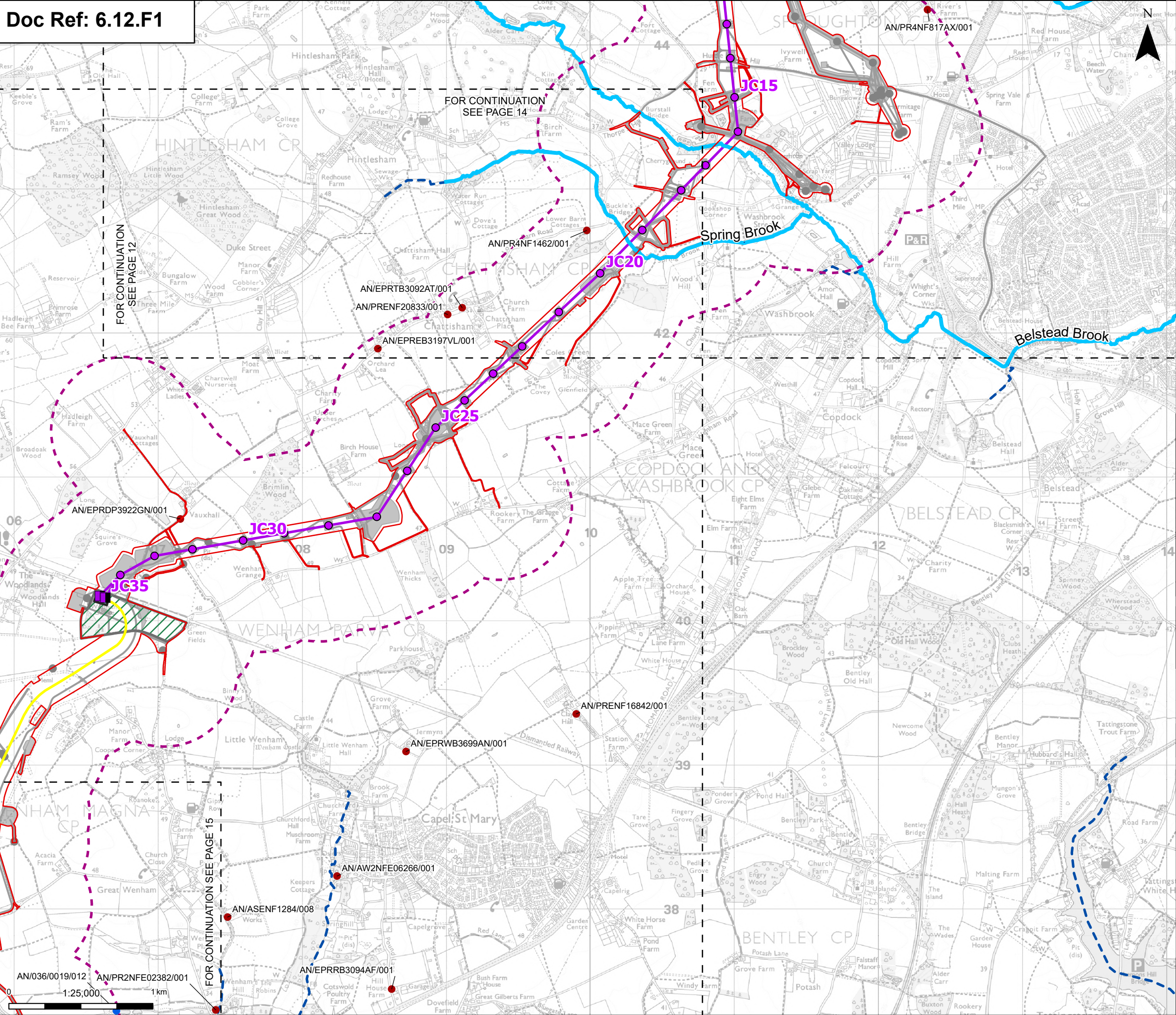
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Approved	K. Burrows	Date	21 Aug 25
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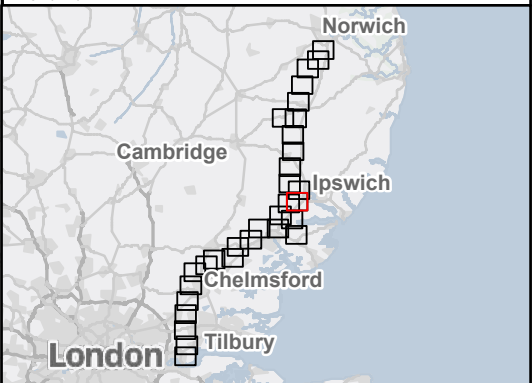
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- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 500 m Study Area
- Surface water abstraction licence number
- Surface water discharge licence number
- Main rivers
- Ordinary watercourses

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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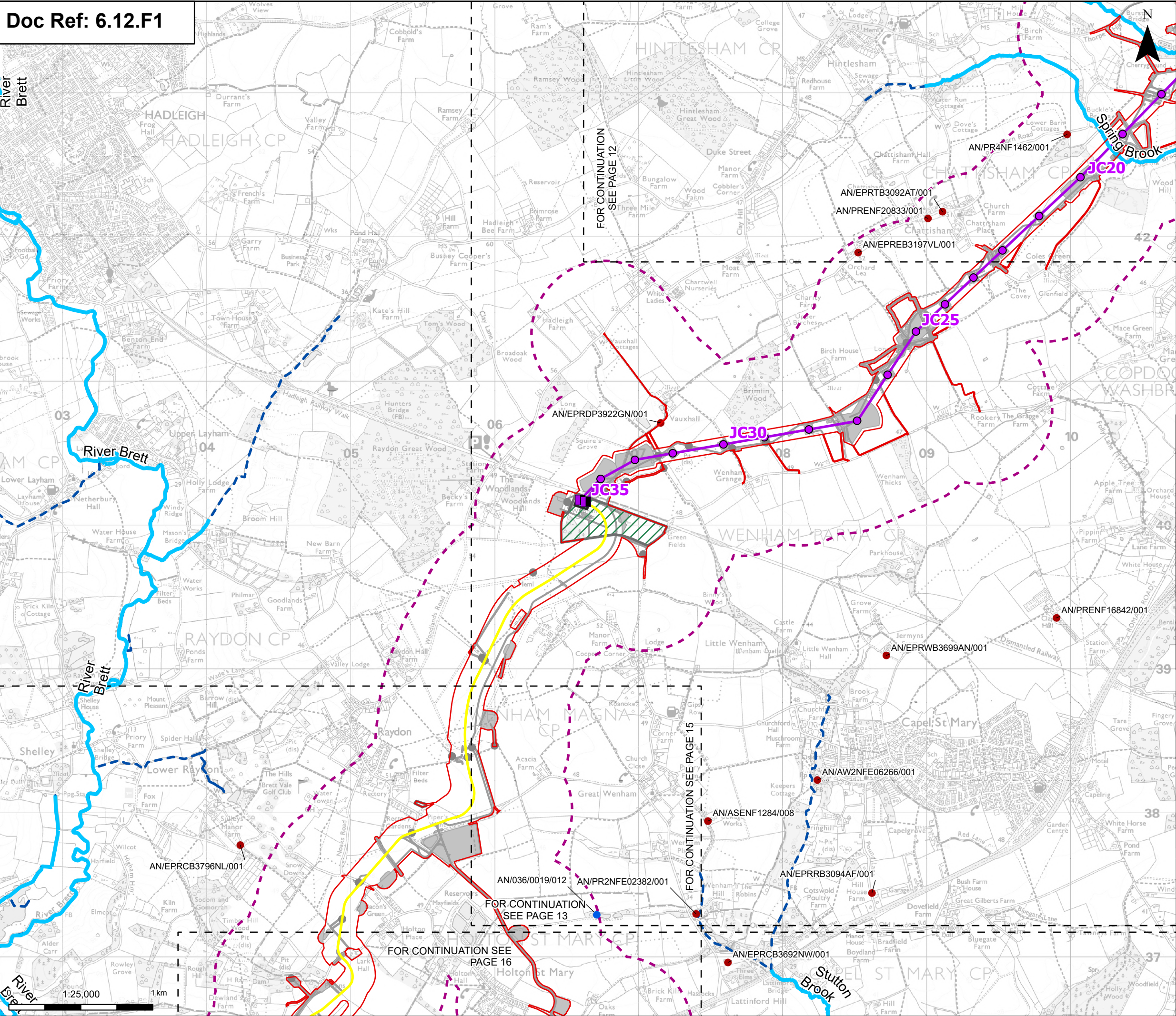
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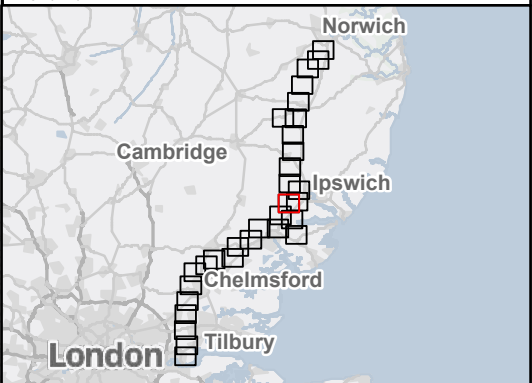
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- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 500 m Study Area
- Surface water abstraction licence number
- Surface water discharge licence number
- Main rivers
- Ordinary watercourses

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

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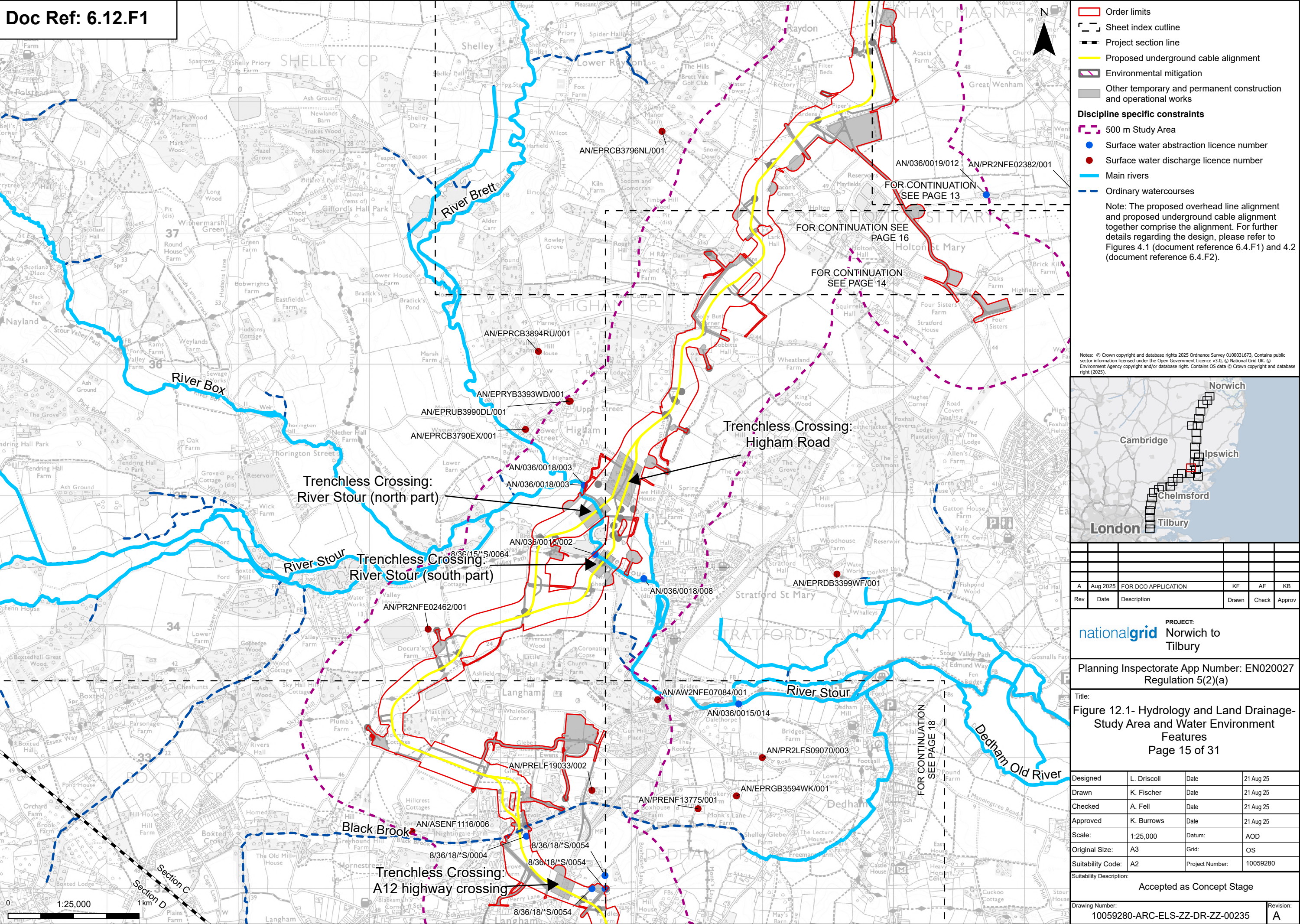
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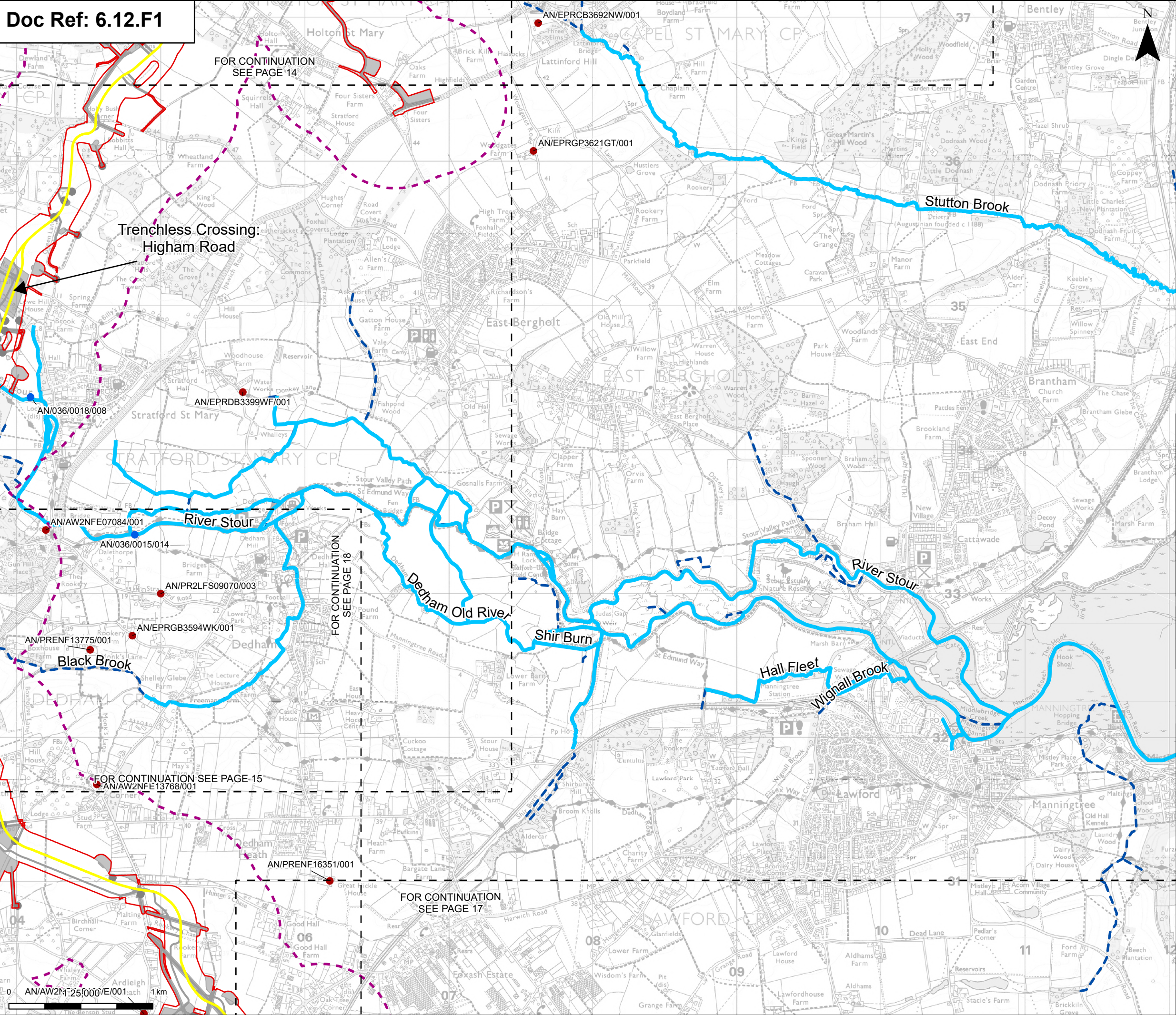
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Proposed project design details

Proposed standard lattice pylon location

Proposed underground cable alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

500 m Study Area

Surface water abstraction licence number

Surface water discharge licence number

Main rivers

Ordinary watercourses

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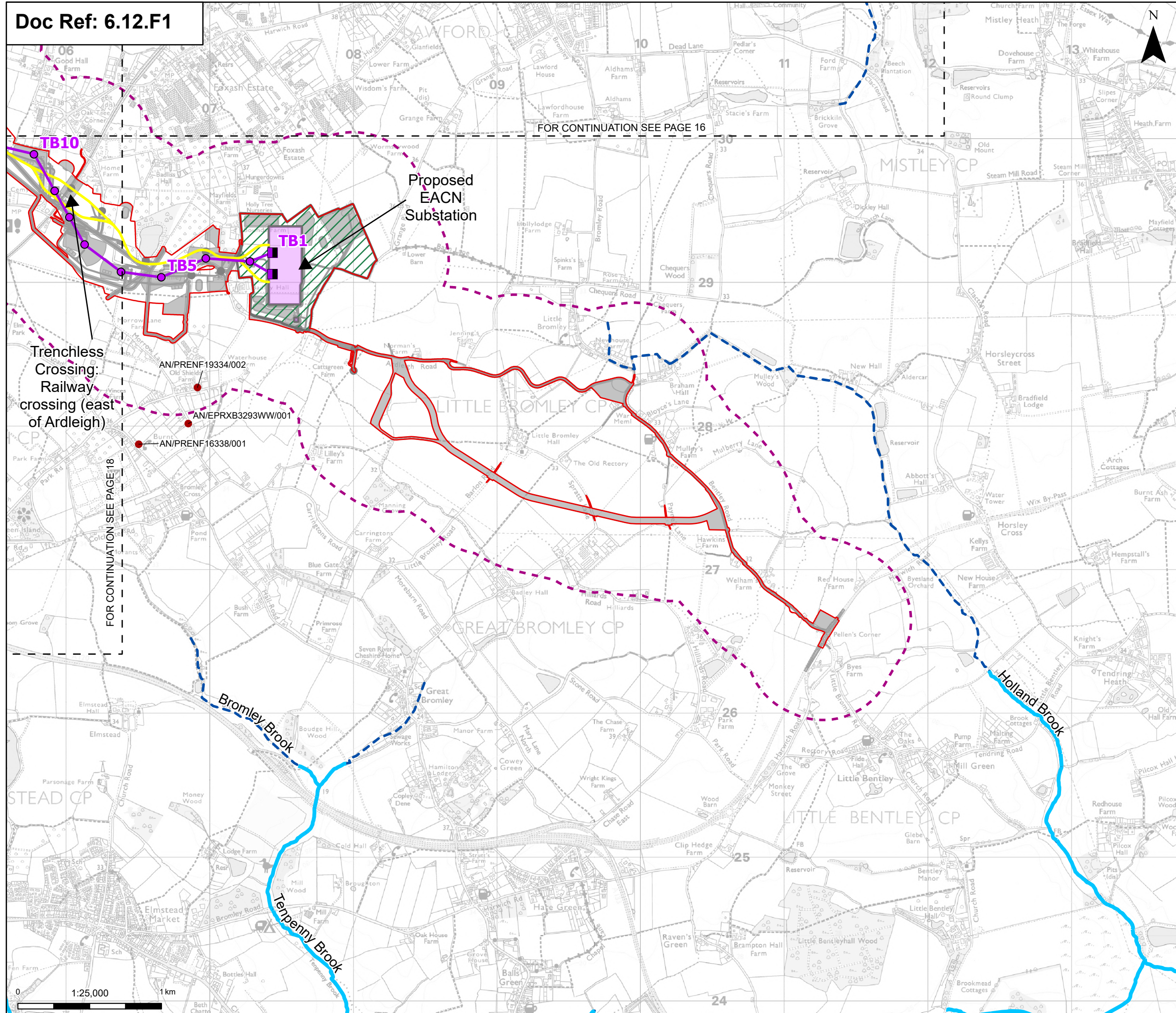
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


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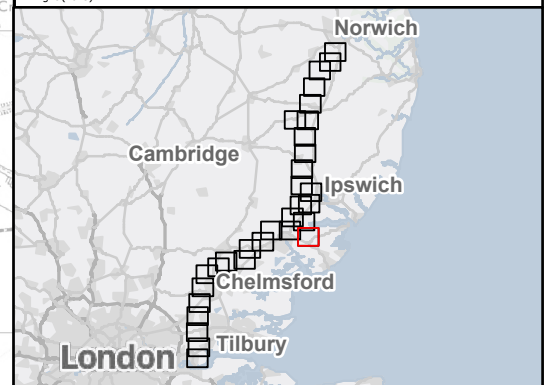
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-  Environmental area
-  Other temporary and permanent construction and operational works

Discipline specific constraints

-  500 m Study Area
-  Surface water discharge licence number
-  Main rivers
-  Ordinary watercourses

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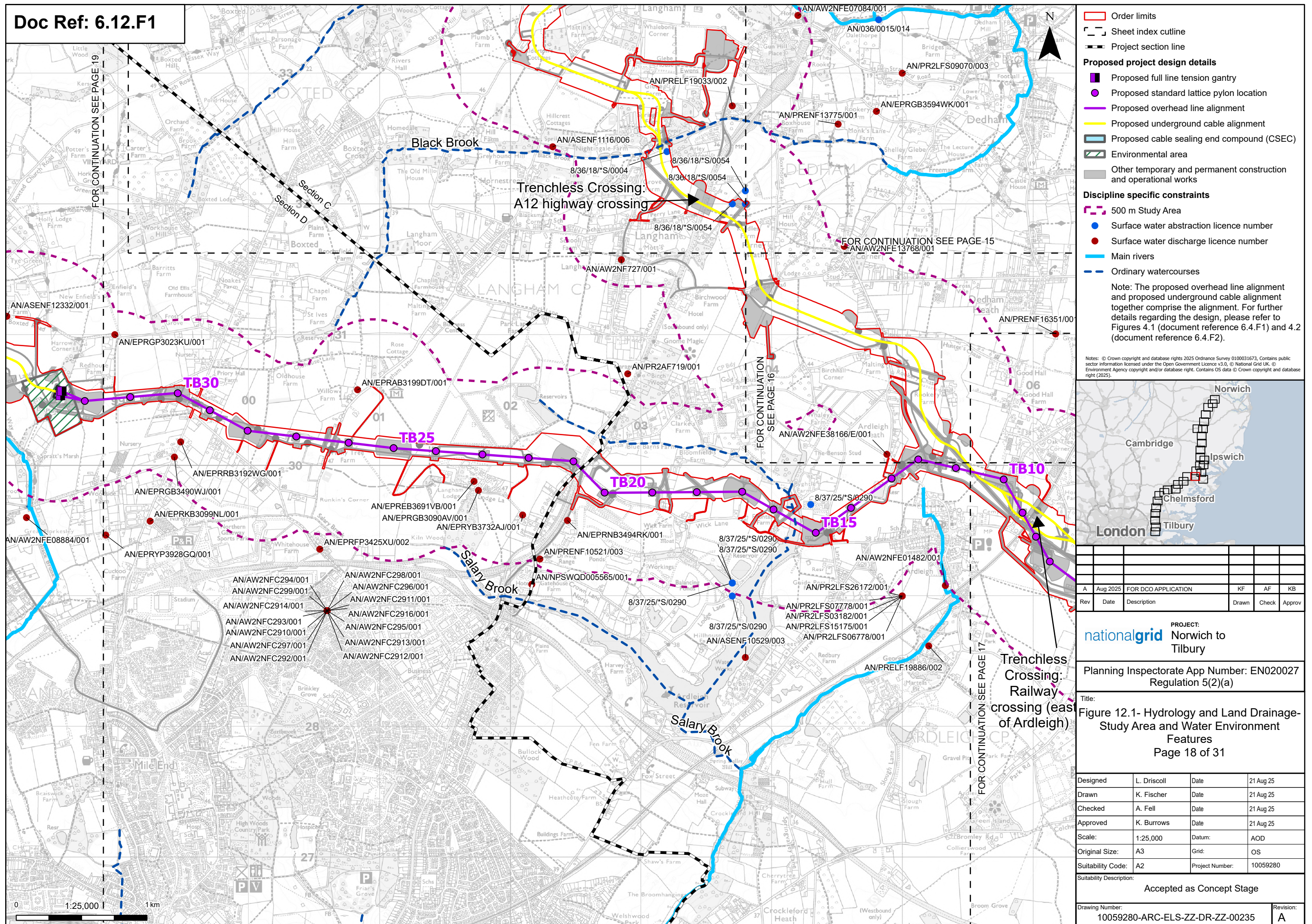
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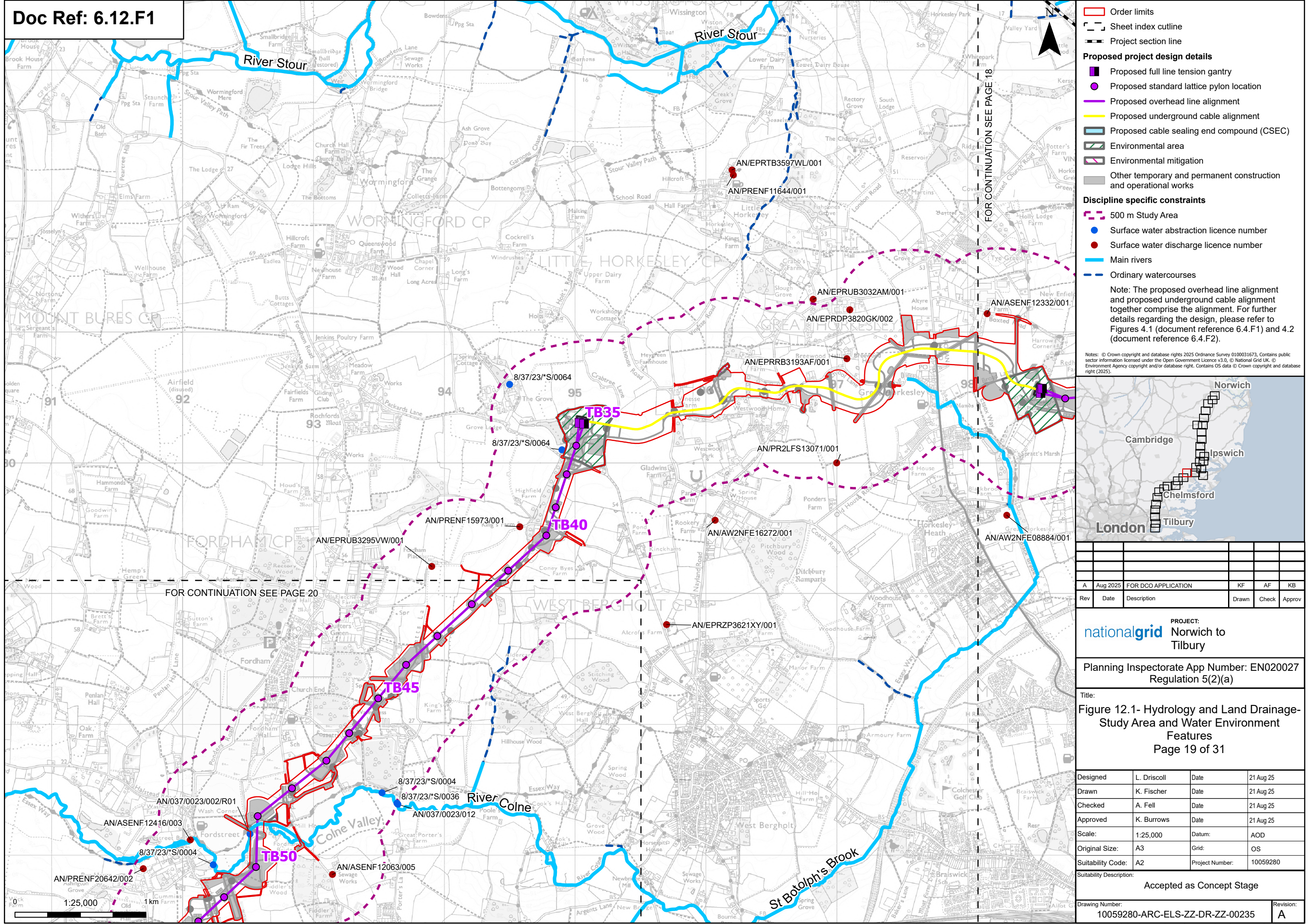
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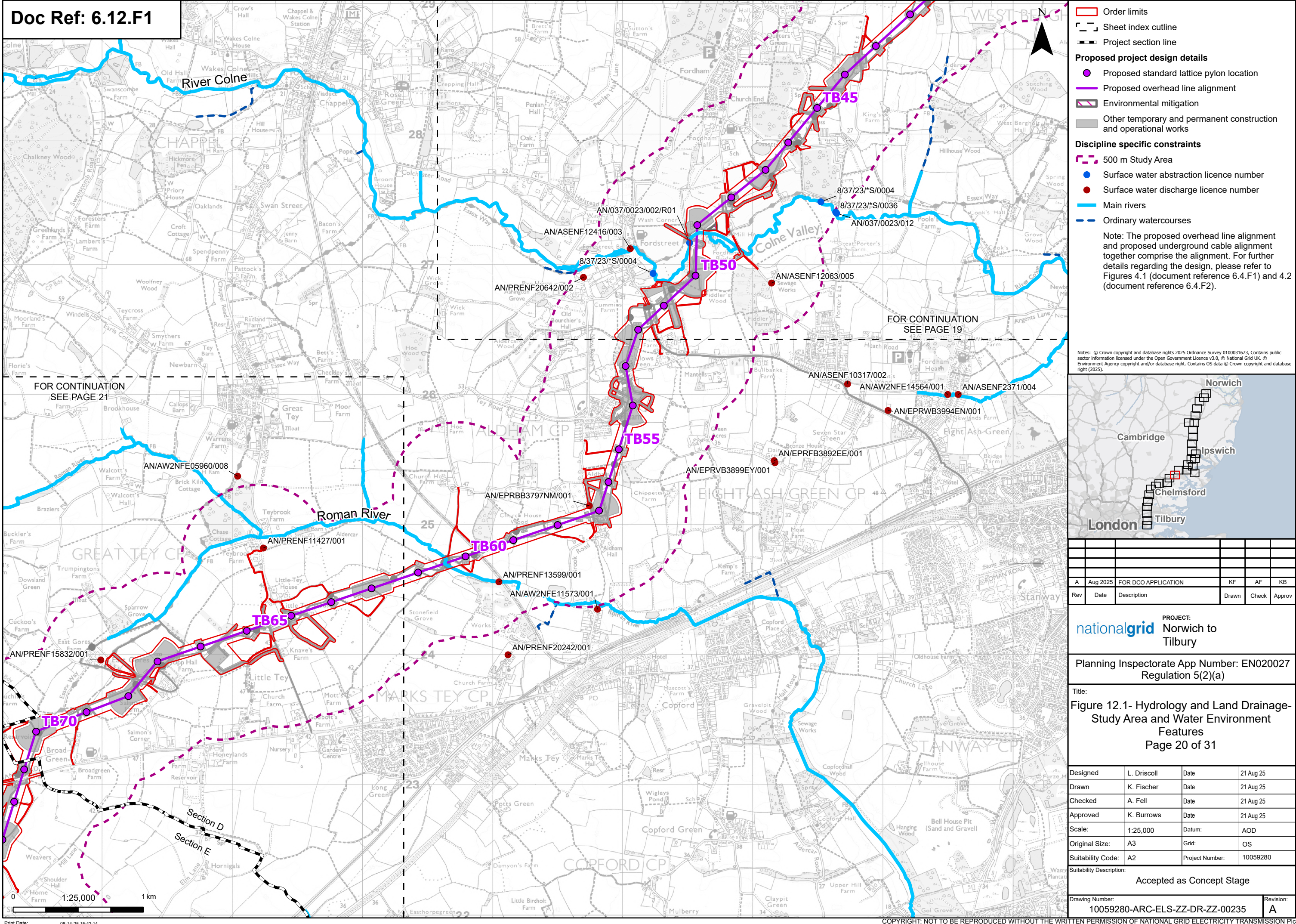
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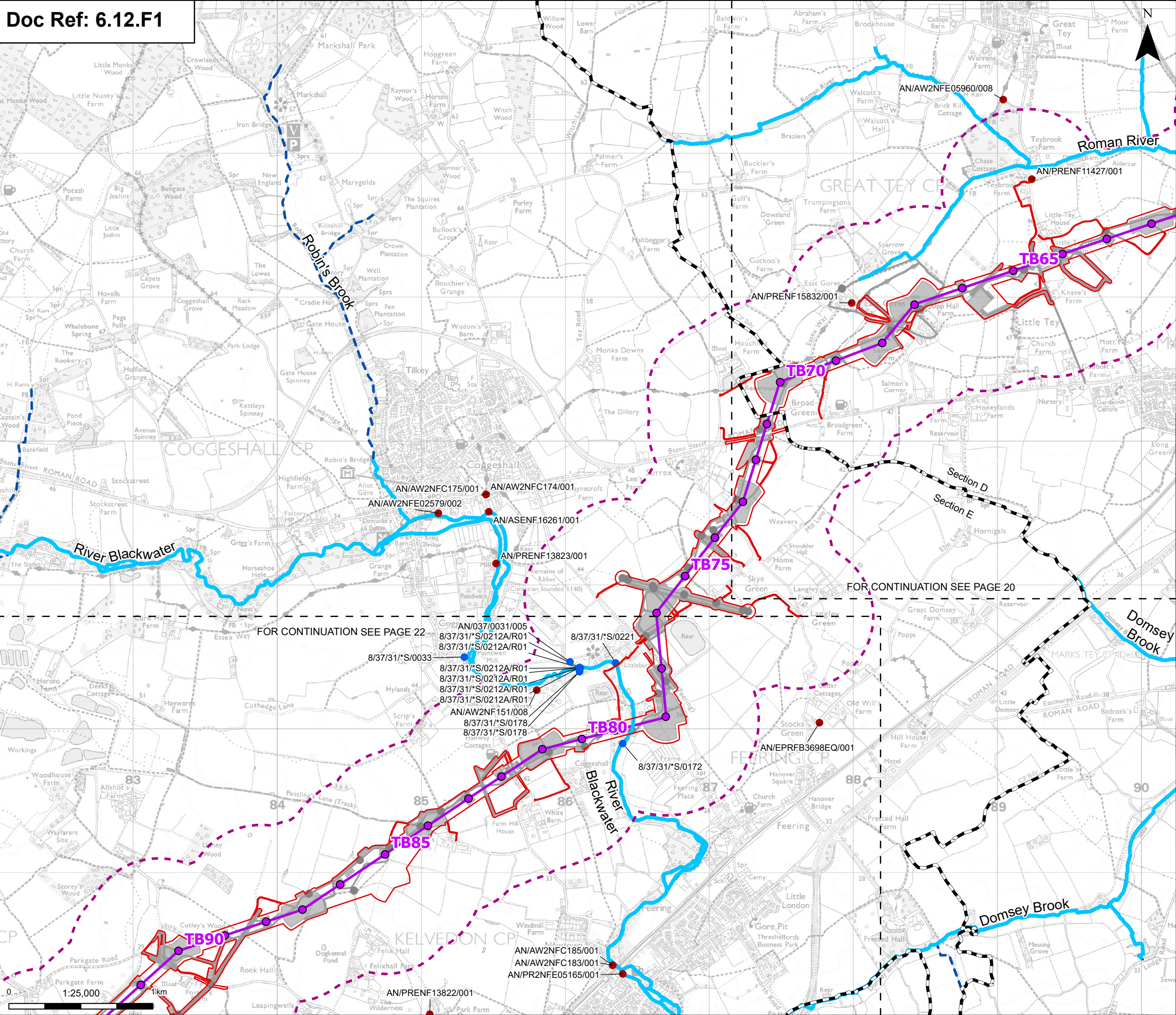
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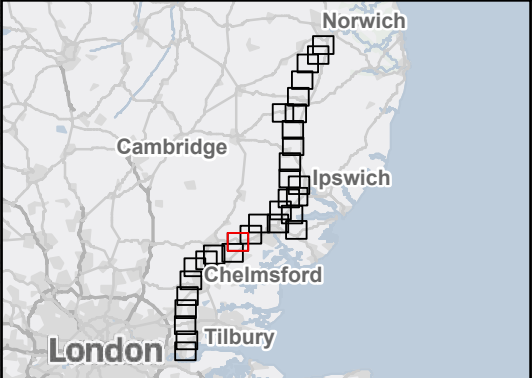
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- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 500 m Study Area
- Surface water abstraction licence number
- Surface water discharge licence number
- Main rivers
- Ordinary watercourses

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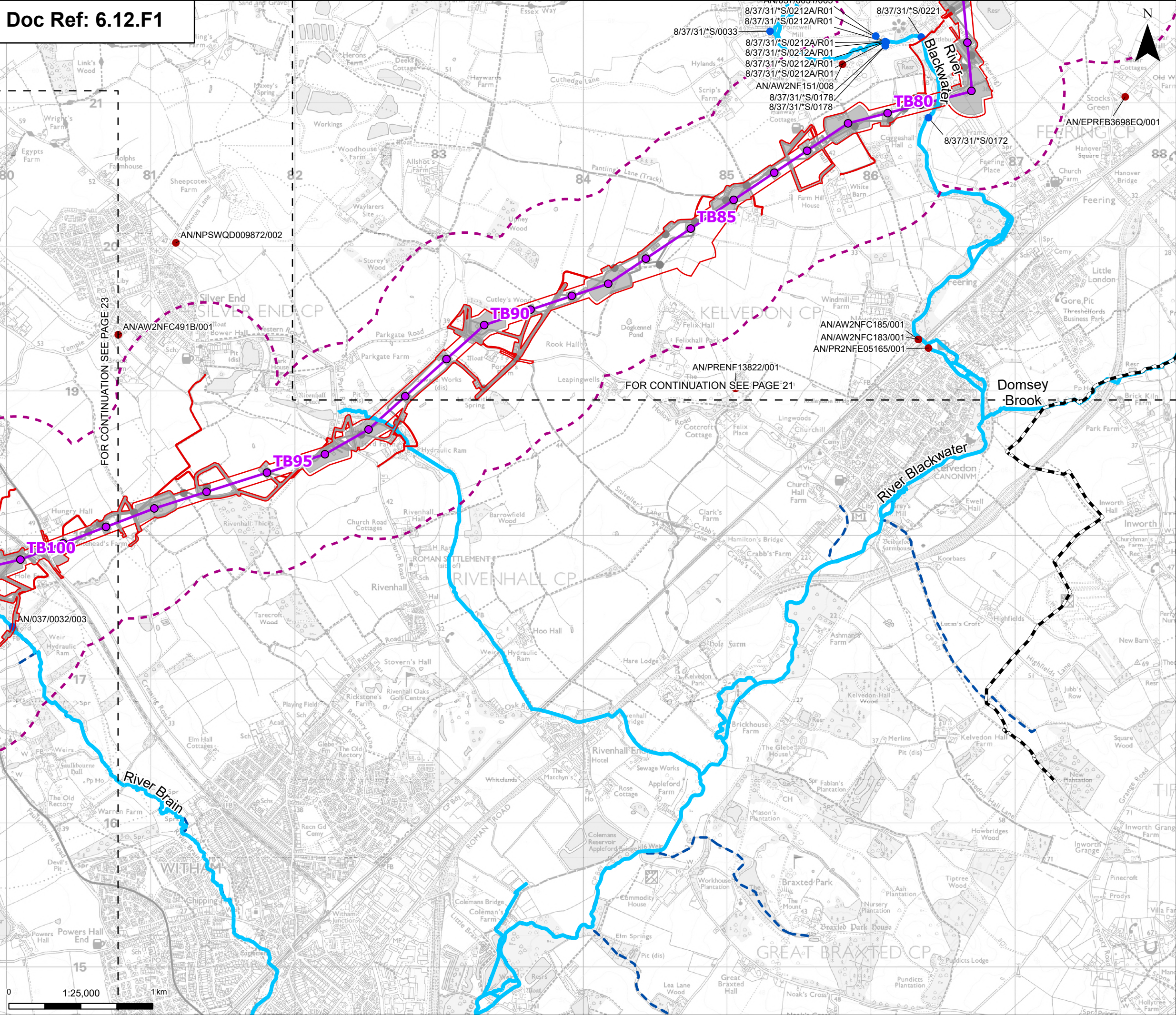
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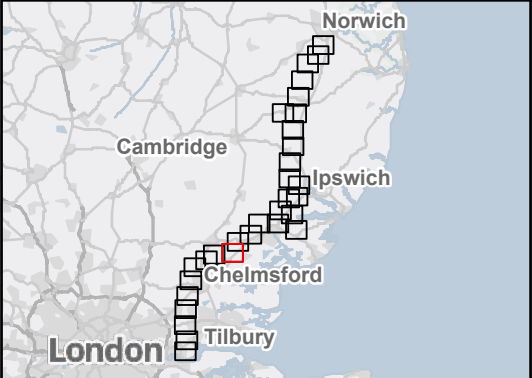
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Discipline specific constraints

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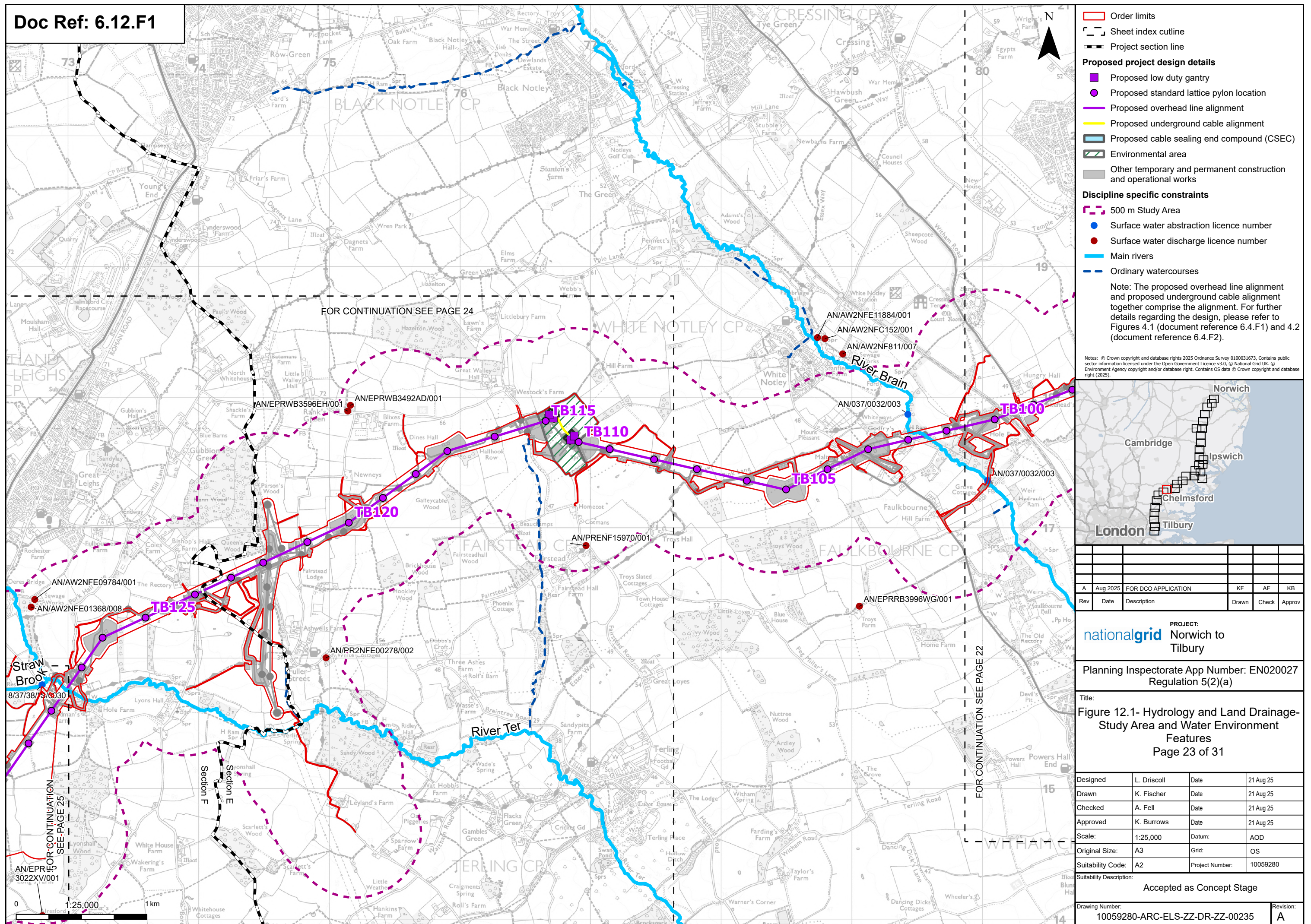
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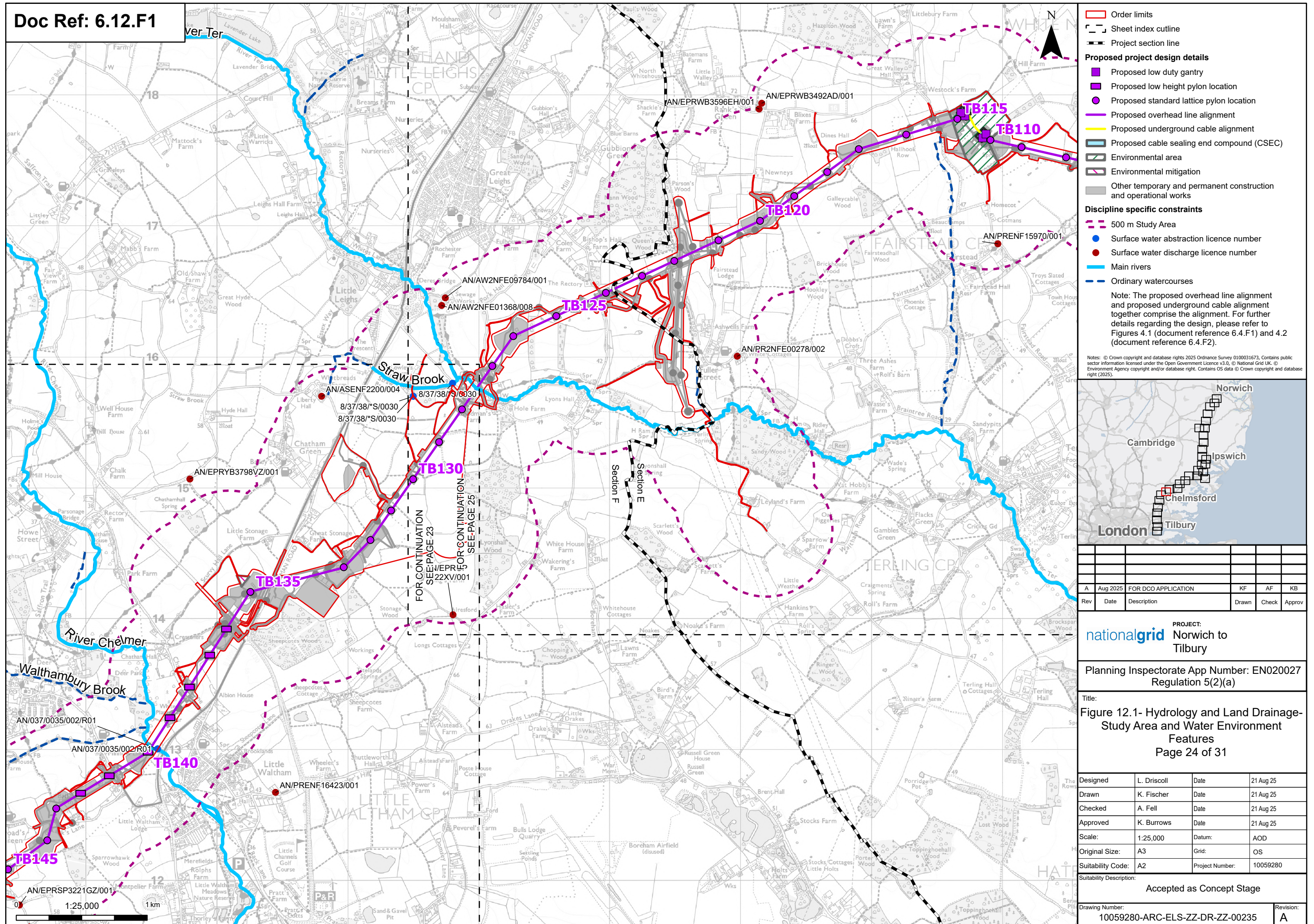
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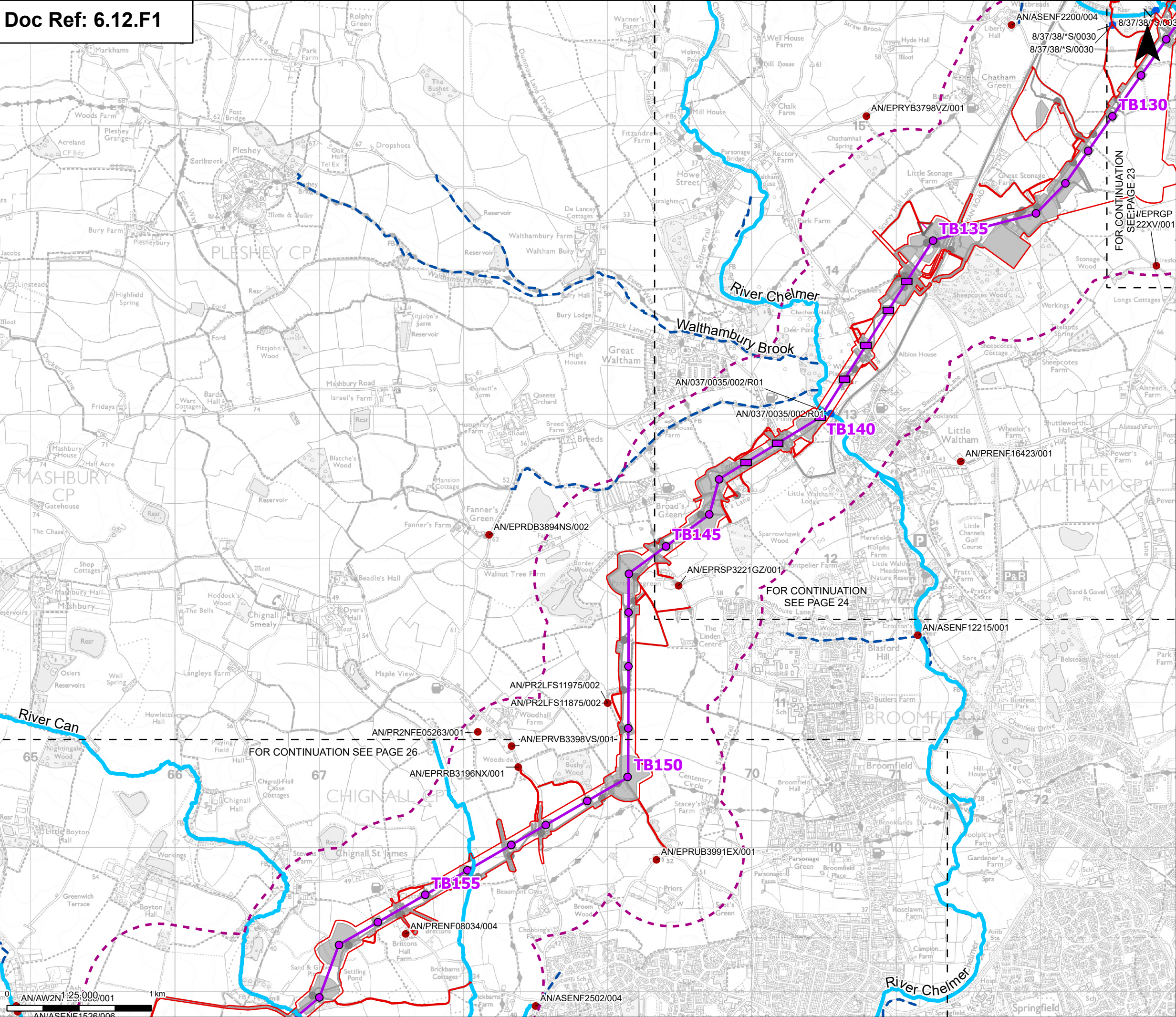
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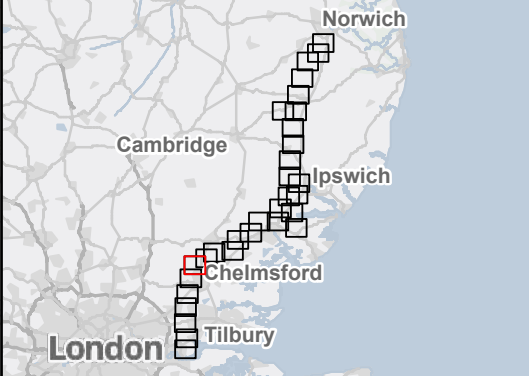
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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

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- Surface water discharge licence number
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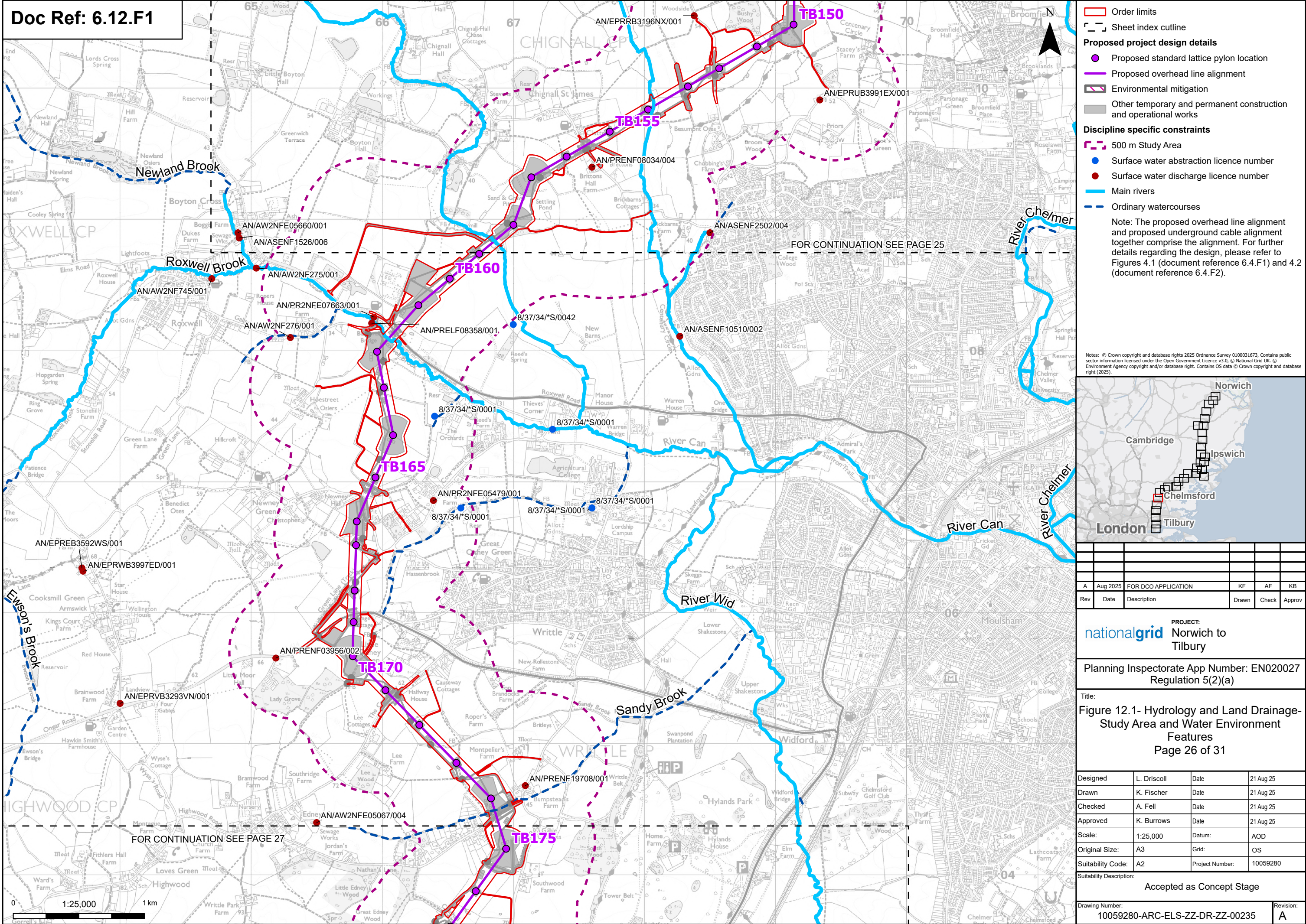
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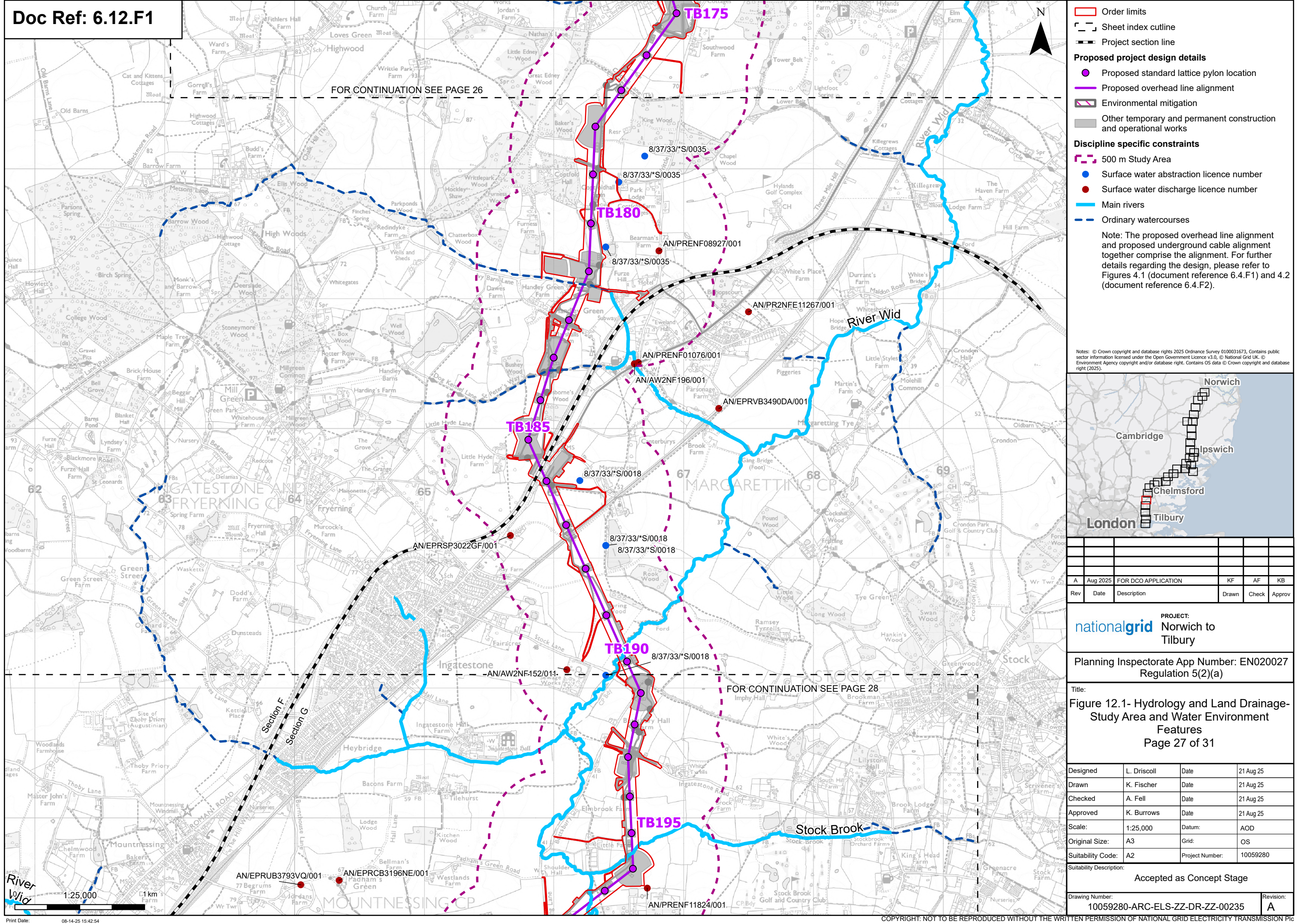
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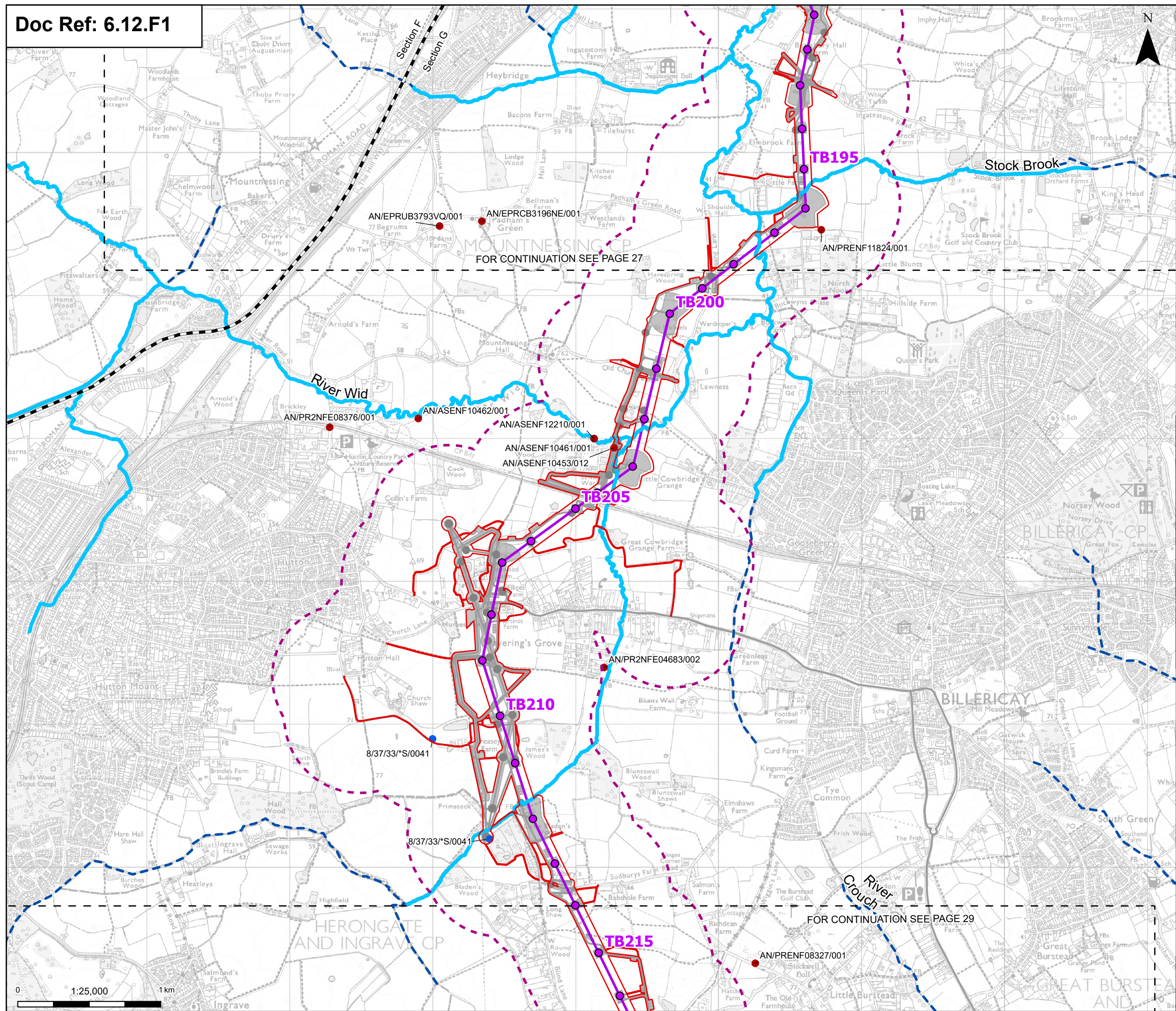
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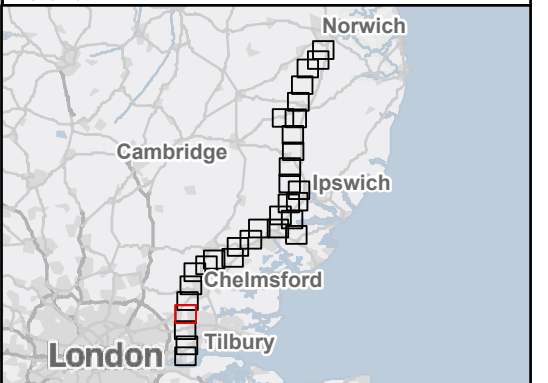
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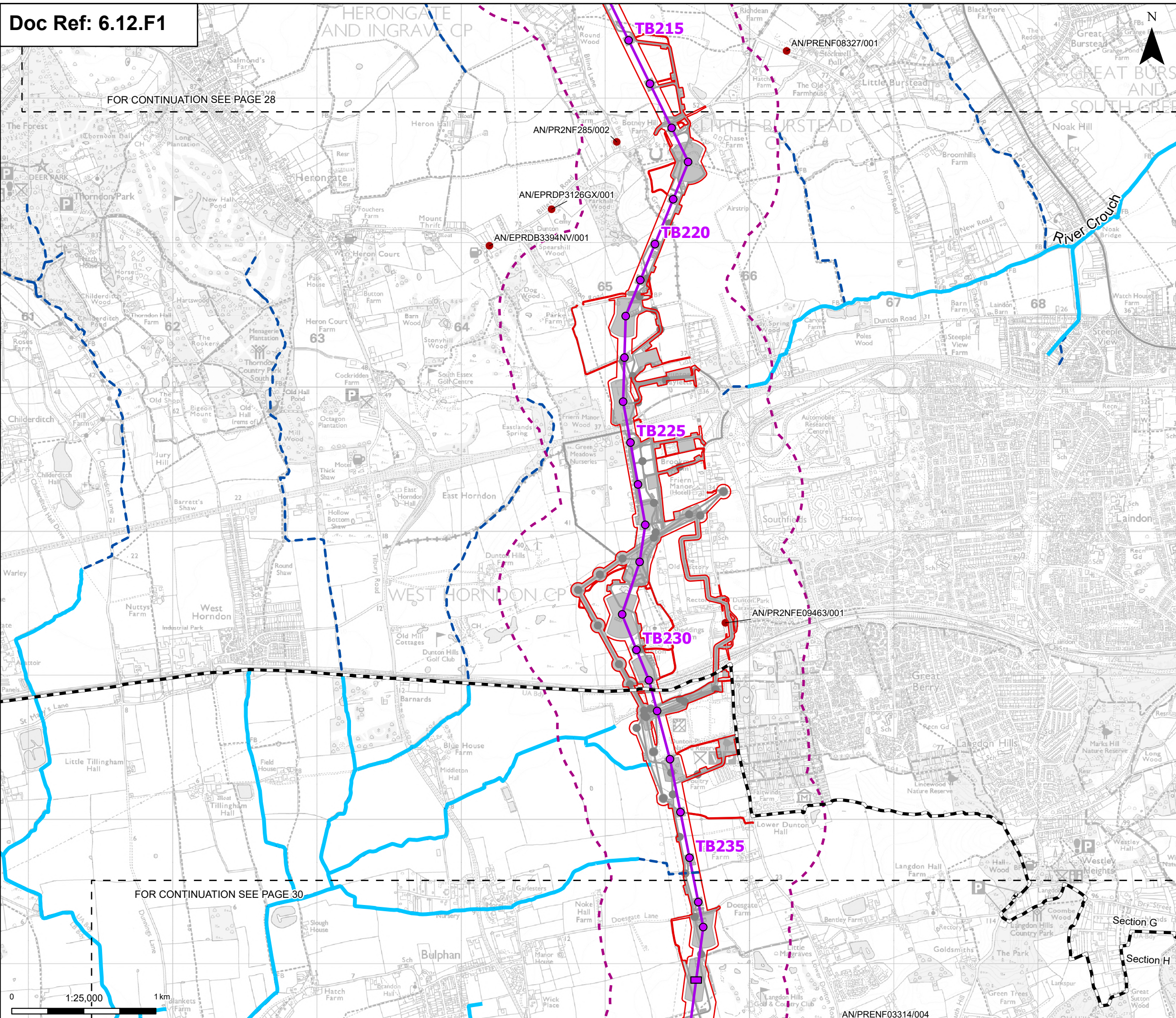
Designed	L. Driscoll	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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










Accepted as Concept Stage

Drawing Number: 10059280-ARC-ELS-ZZ-DR-ZZ-00235	Revision: A
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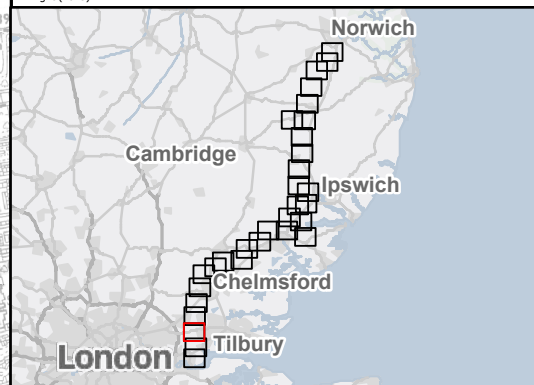
FOR CONTINUATION SEE PAGE 28

FOR CONTINUATION SEE PAGE 30



-  Order limits
 -  Sheet index cutline
 -  Project section line
- 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**
-  500 m Study Area
 -  Surface water discharge licence number
 -  Main rivers
 -  Ordinary watercourses
- 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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nationalgrid PROJECT: Norwich to Tilbury

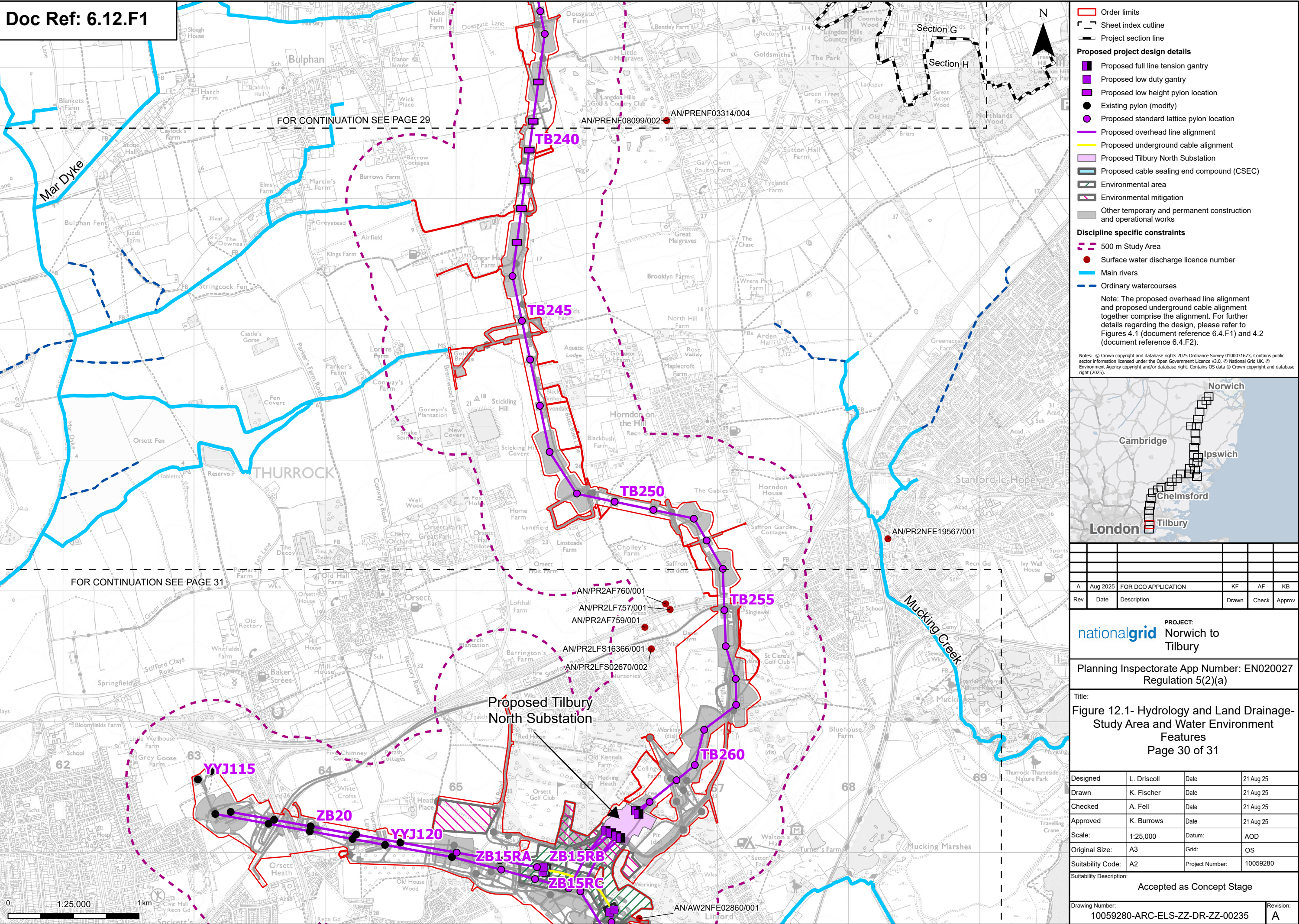
Planning Inspectorate App Number: EN020027
Regulation 5(2)(a)

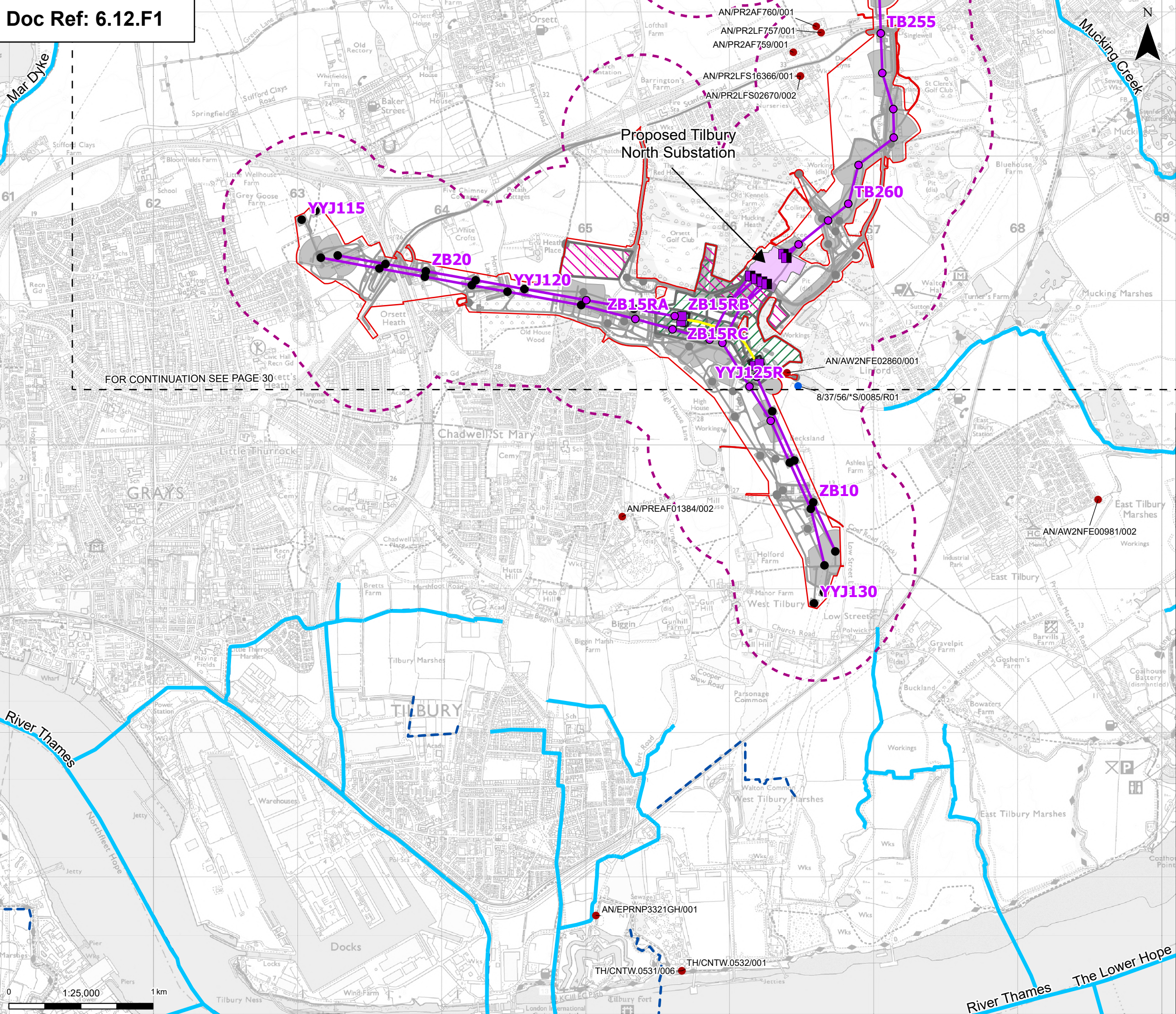
Title: Figure 12.1- Hydrology and Land Drainage-
Study Area and Water Environment
Features
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Designed	L. Driscoll	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-ELS-ZZ-DR-ZZ-00235	Revision: A
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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

- 500 m Study Area
- Surface water abstraction licence number
- Surface water discharge licence number
- Main rivers
- Ordinary watercourses

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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Ipswich

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Tilbury

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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 12.1- Hydrology and Land Drainage- Study Area and Water Environment Features

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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:			Revision:
10059280-ARC-ELS-ZZ-DR-ZZ-00235			A