

AENC-ARC-ENV-REP-0080

# Norwich to Tilbury

## Volume 6: Environmental Statement

Document: 6.4.F2 Environmental Statement Figure 4.2 - Proposed  
Project Design - Permanent Features Tracked Changes Version of  
Deadline 4 Submission

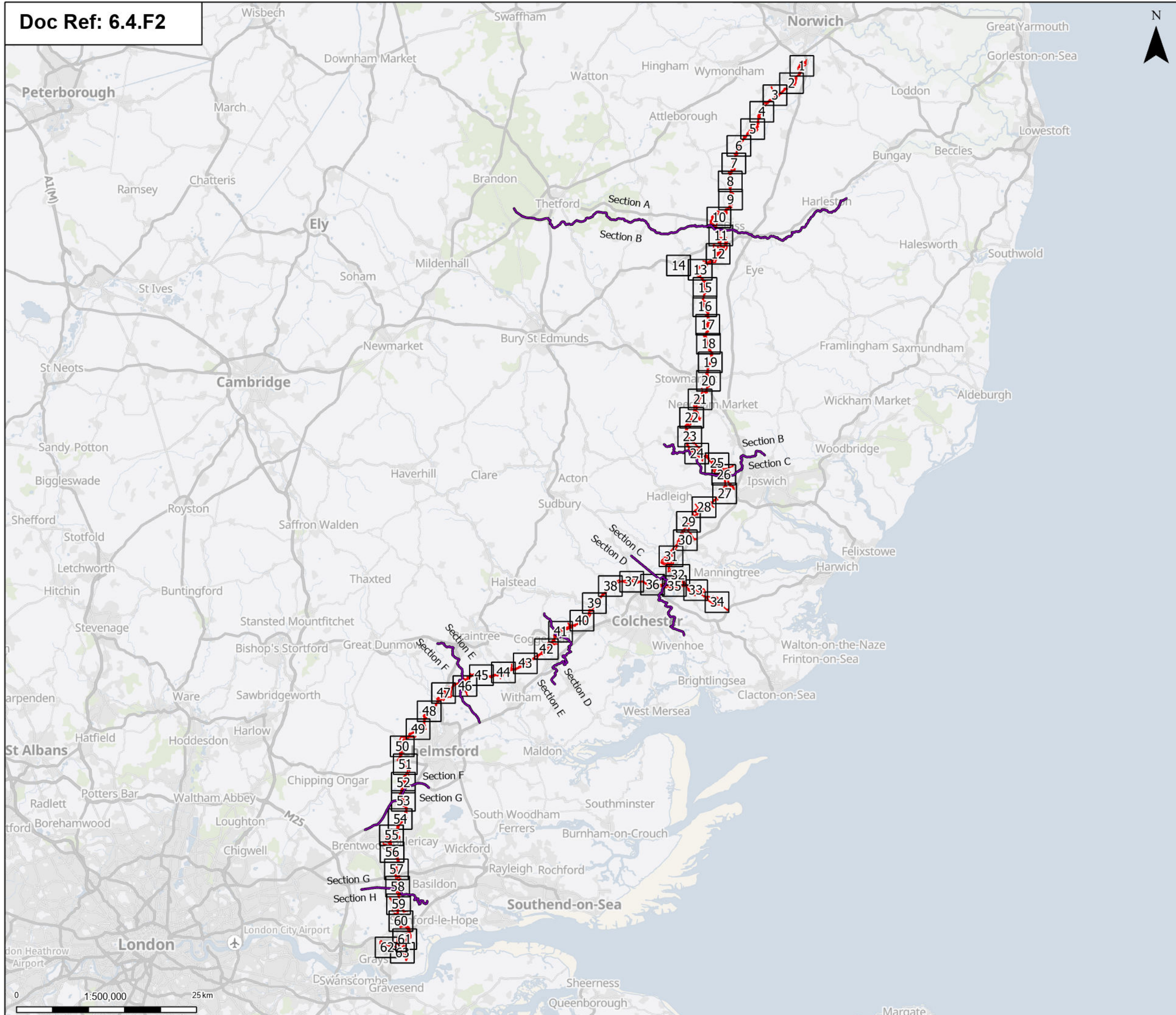
Final Issue B

June 2026

Planning Inspectorate Reference: EN020027

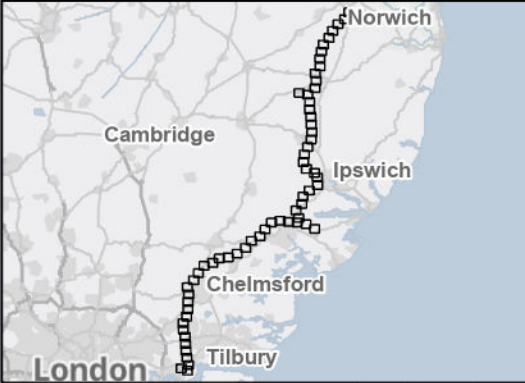
Infrastructure Planning (Applications: Prescribed Forms and Procedure)  
Regulations 2009 Regulation 5(2)(a)

**nationalgrid**



**Order limits**  
**Page**  
**Project section line**  
 The lateral LoD of 50 m either side of centreline and the unlimited longitudinal LoD allows flexibility to move pylon positions in any direction for unforeseen circumstances, such as poor ground conditions or archaeological finds, and to cater for maximum conductor (overhead line) swing. Commitments to restrict the LoD for specific pylon locations are included within the Outline CoCP (document reference 7.2)

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

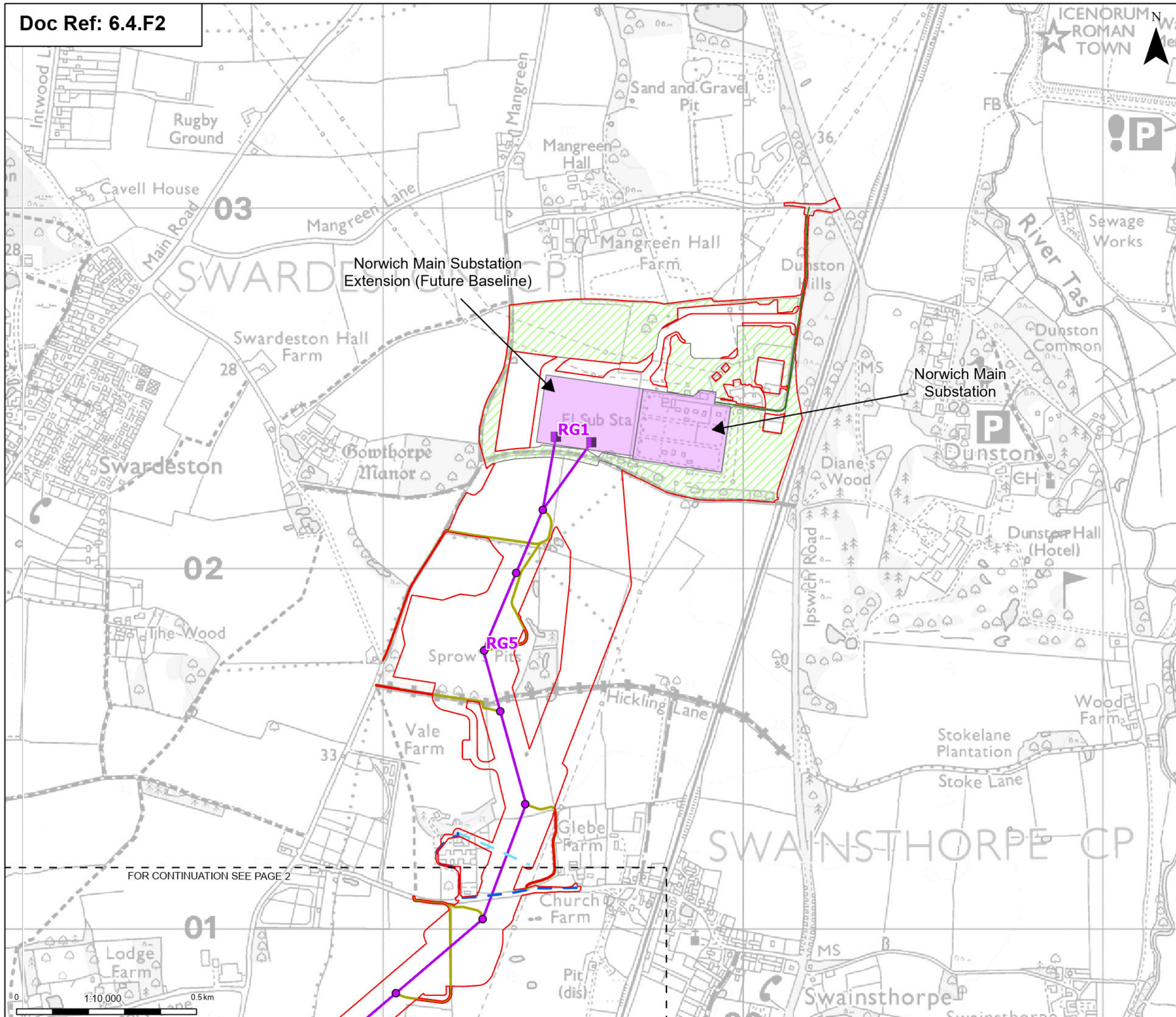
PROJECT:  
**nationalgrid** Norwich to Tilbury  
 Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**

Overview

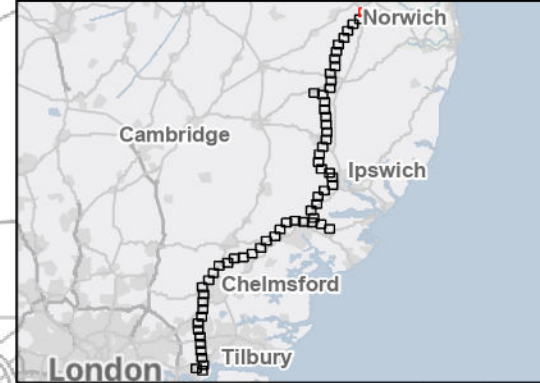
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage  
 Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206  
 Revision: **B**



- Order limits
- Sheet index outline
- Norwich Main Substation
- Norwich Main Substation Extension (future baseline)
- Proposed permanent design details**
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
- Proposed permanent access (no physical works)
- Proposed Environmental Areas - Permanent
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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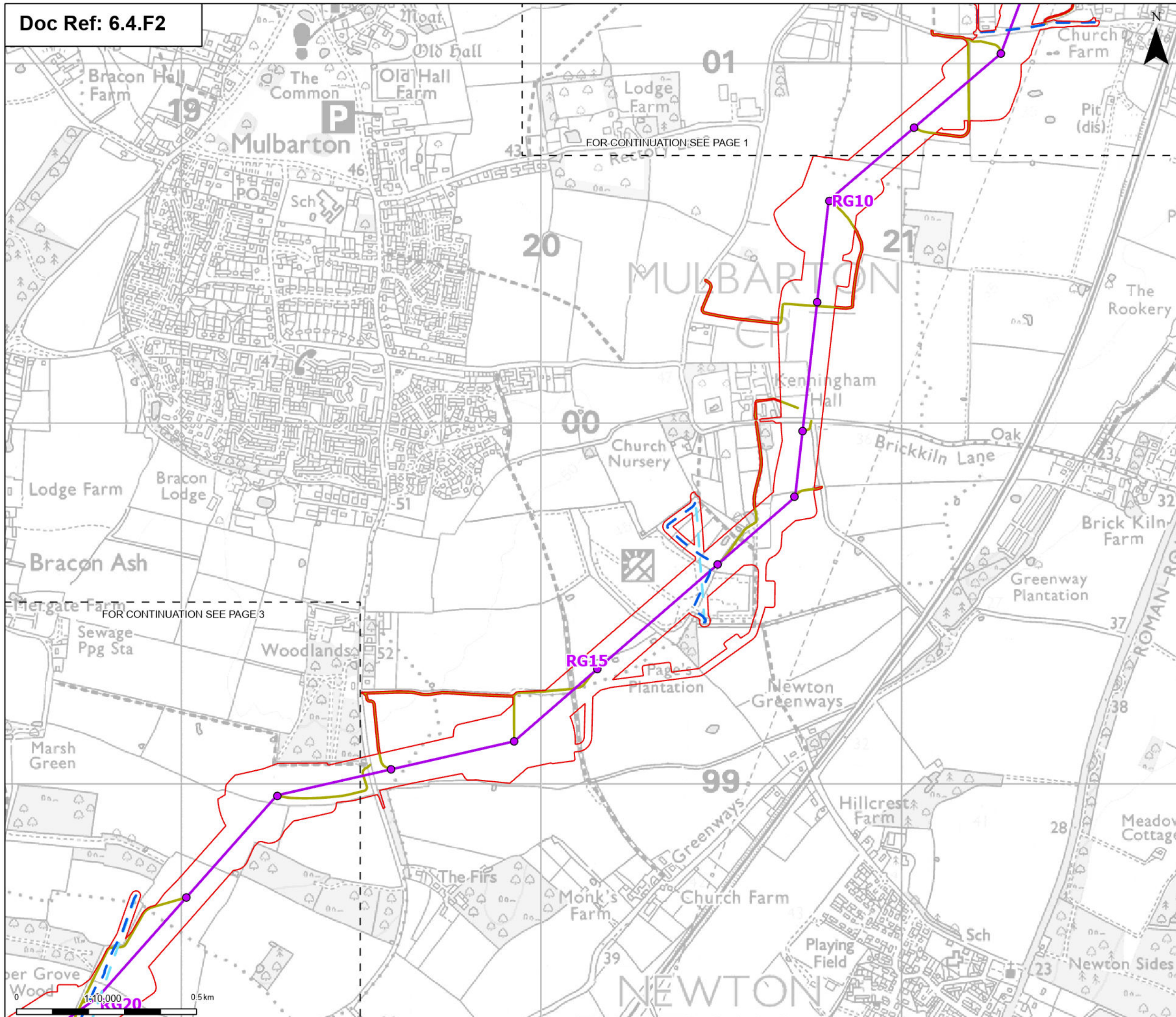
PROJECT:  
**nationalgrid** Norwich to Tilbury  
 Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section A**  
 Page 1 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
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 Revision: **B**





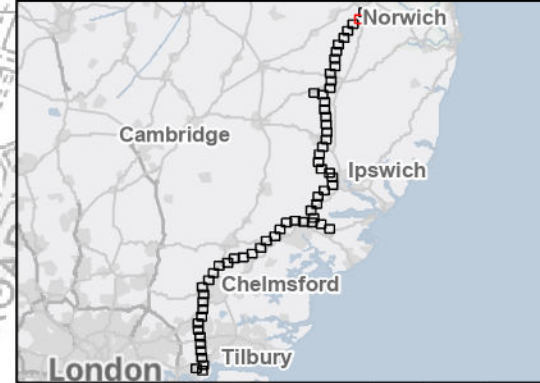
Order limits  
Sheet index cutline

**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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Regulation 5(2)(a)

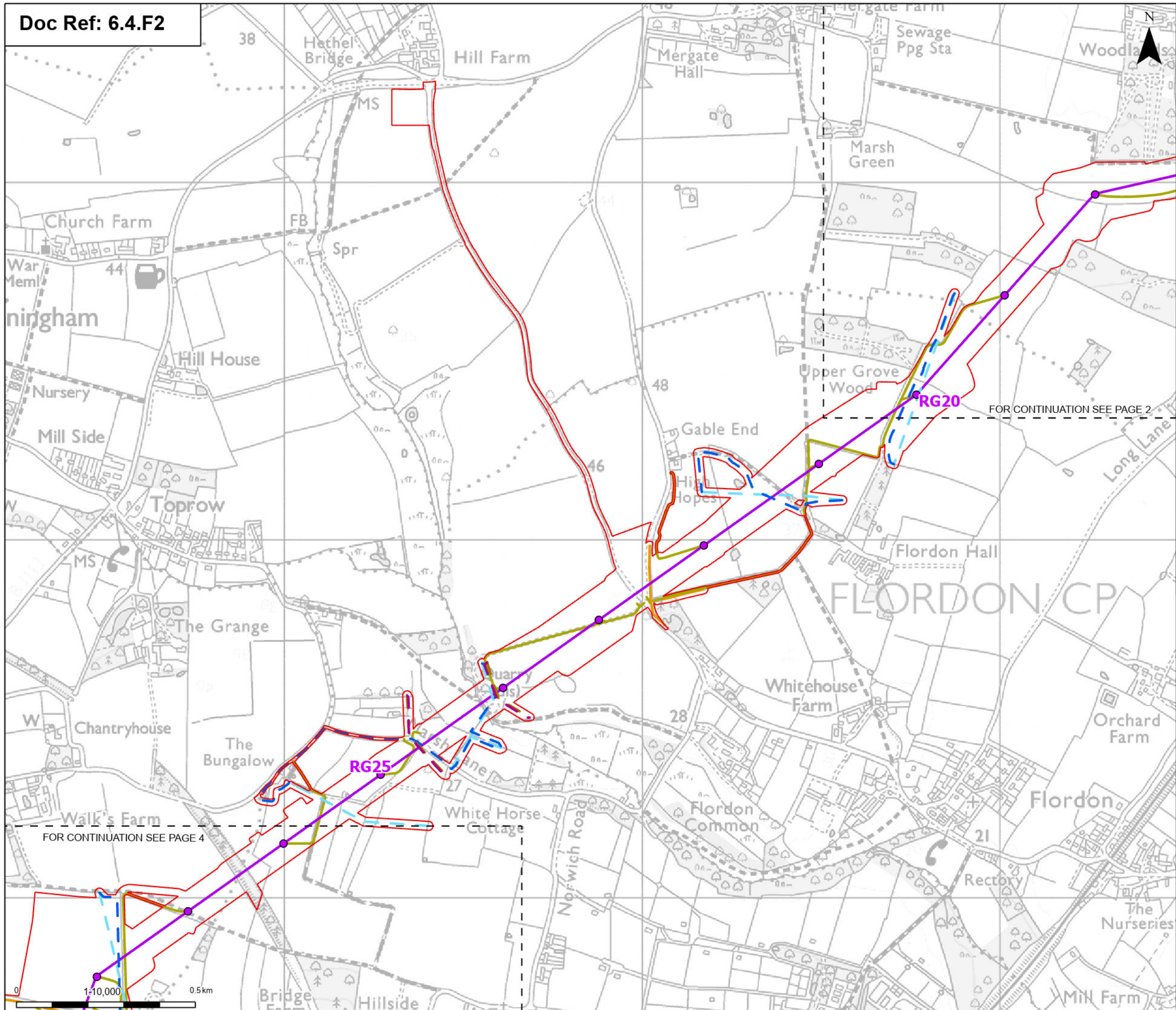
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section A Page 2 of 63**

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Approved	K. Burrows	Date	May 26
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Drawing Number:  
10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



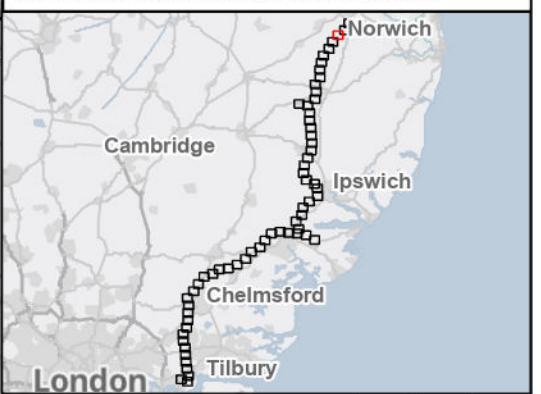
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**Proposed permanent design details**

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Planning Inspectorate App Number: EN020027  
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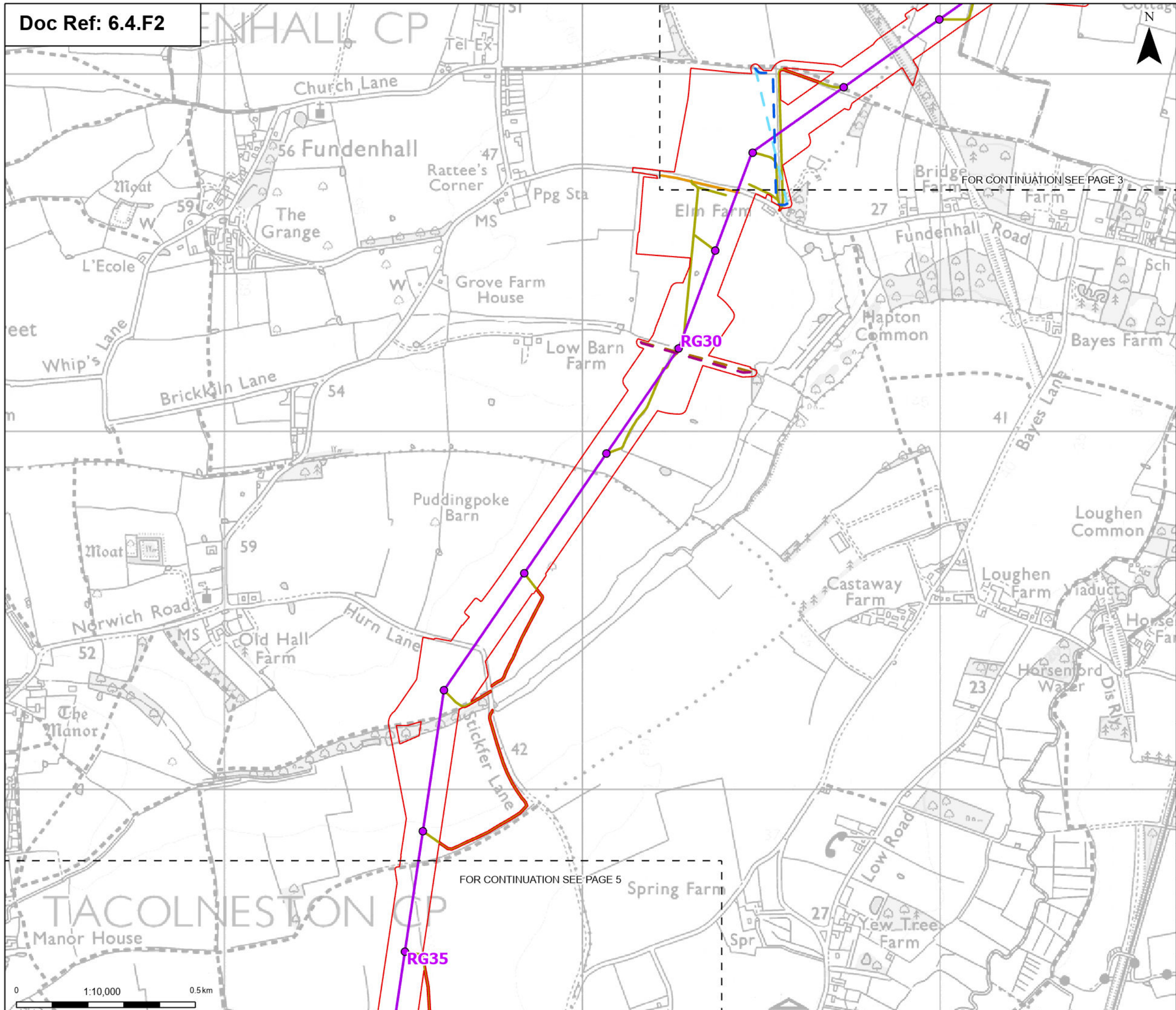
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section A Page 3 of 63**

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Approved	K. Burrows	Date	May 26
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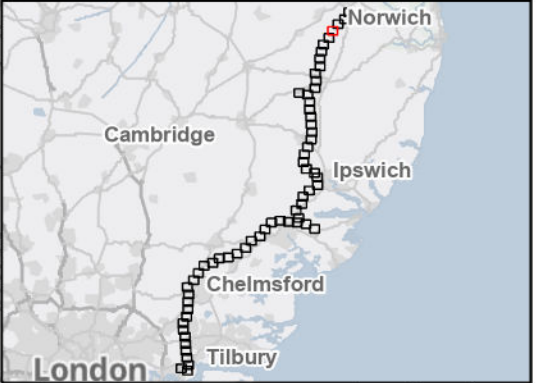
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Revision:  
**B**



- Order limits
- Sheet index outline
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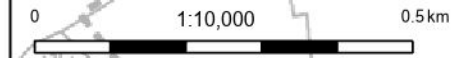
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 Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section A  
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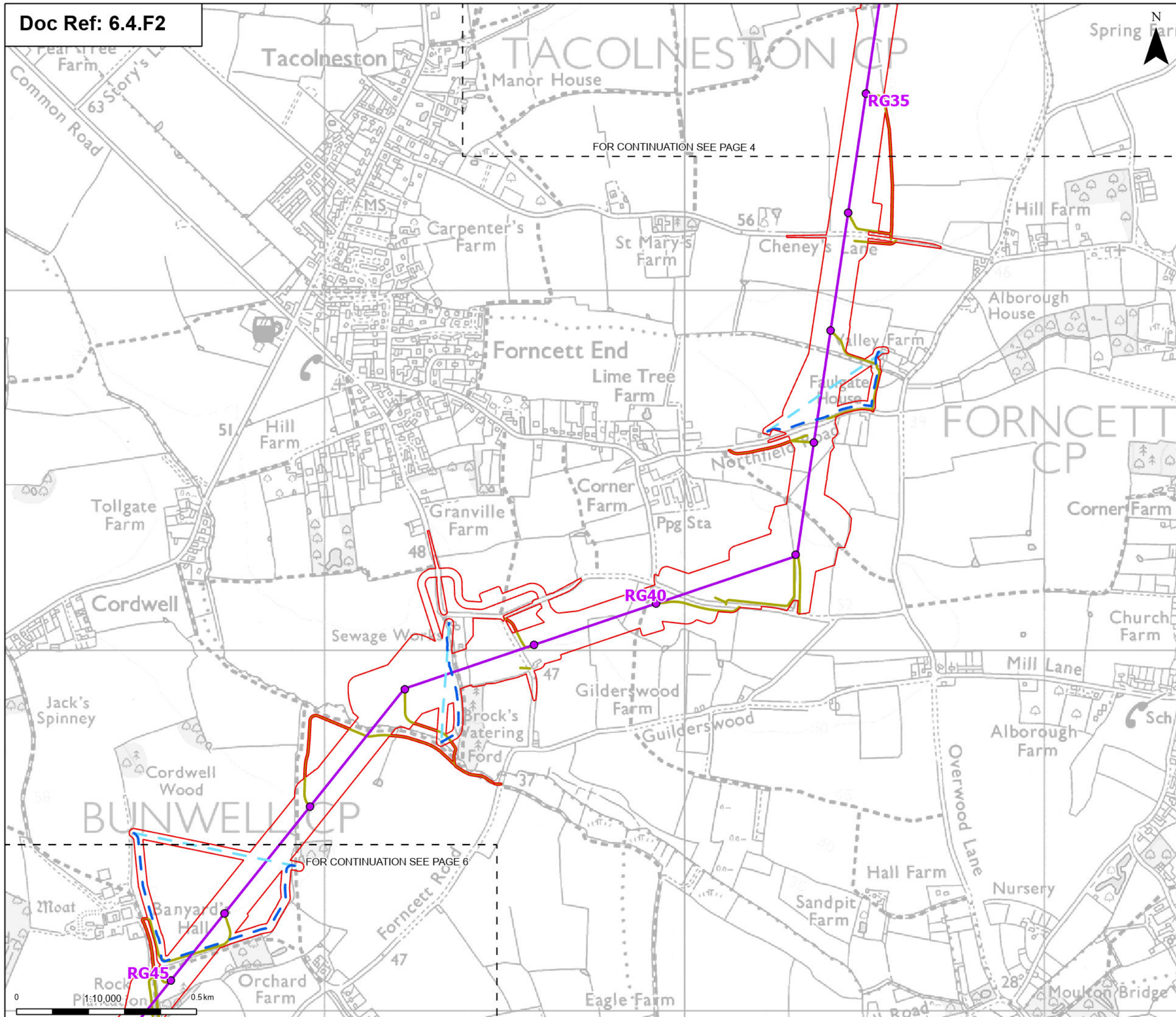
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Revision:  
**B**





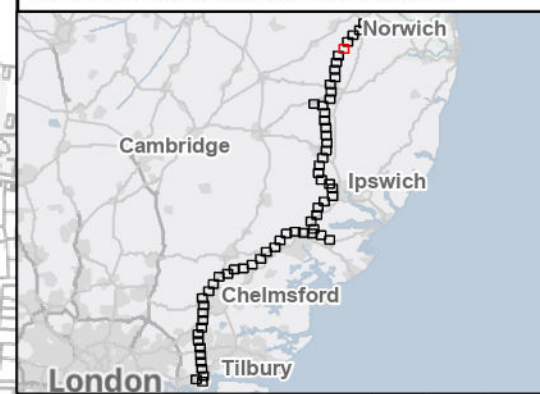
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**Proposed permanent design details**

- Proposed standard lattice pylon location
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- Proposed permanent access (no physical works)
- Proposed 11kV overhead line mitigation
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Planning Inspectorate App Number: EN020027  
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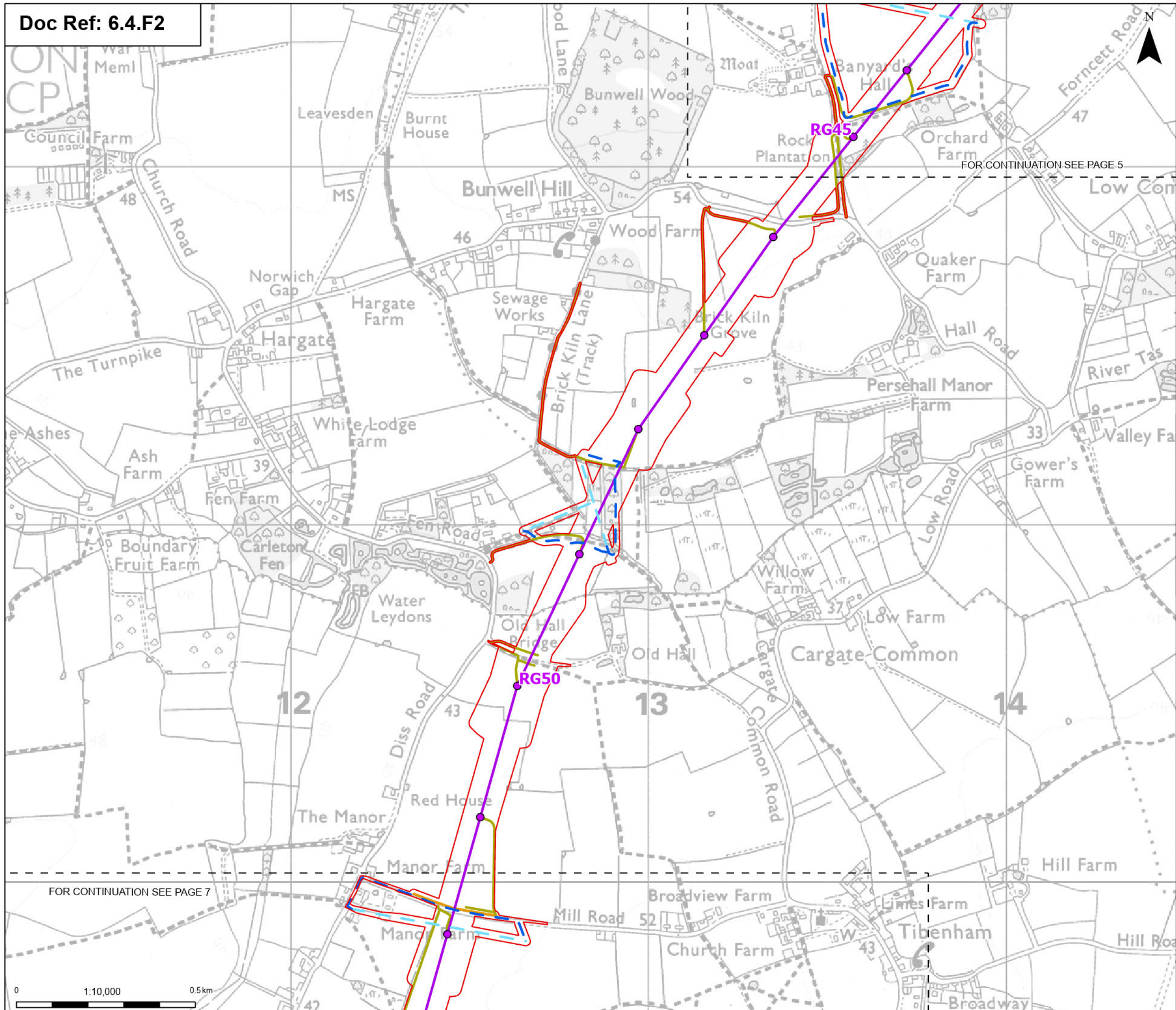
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 Figure 4.2 - Project Description - Proposed Project Design - Permanent Features  
 Section A  
 Page 5 of 63

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Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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Drawing Number:  
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Revision:  
 B



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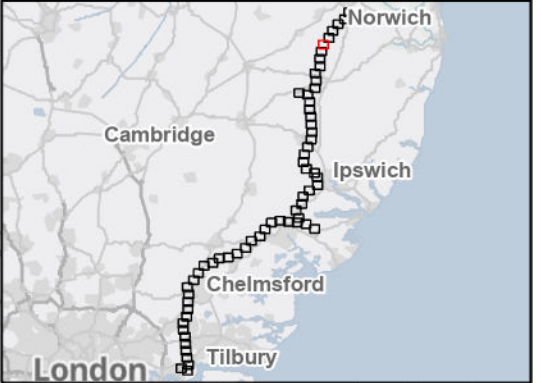
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**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
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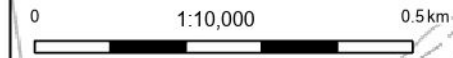
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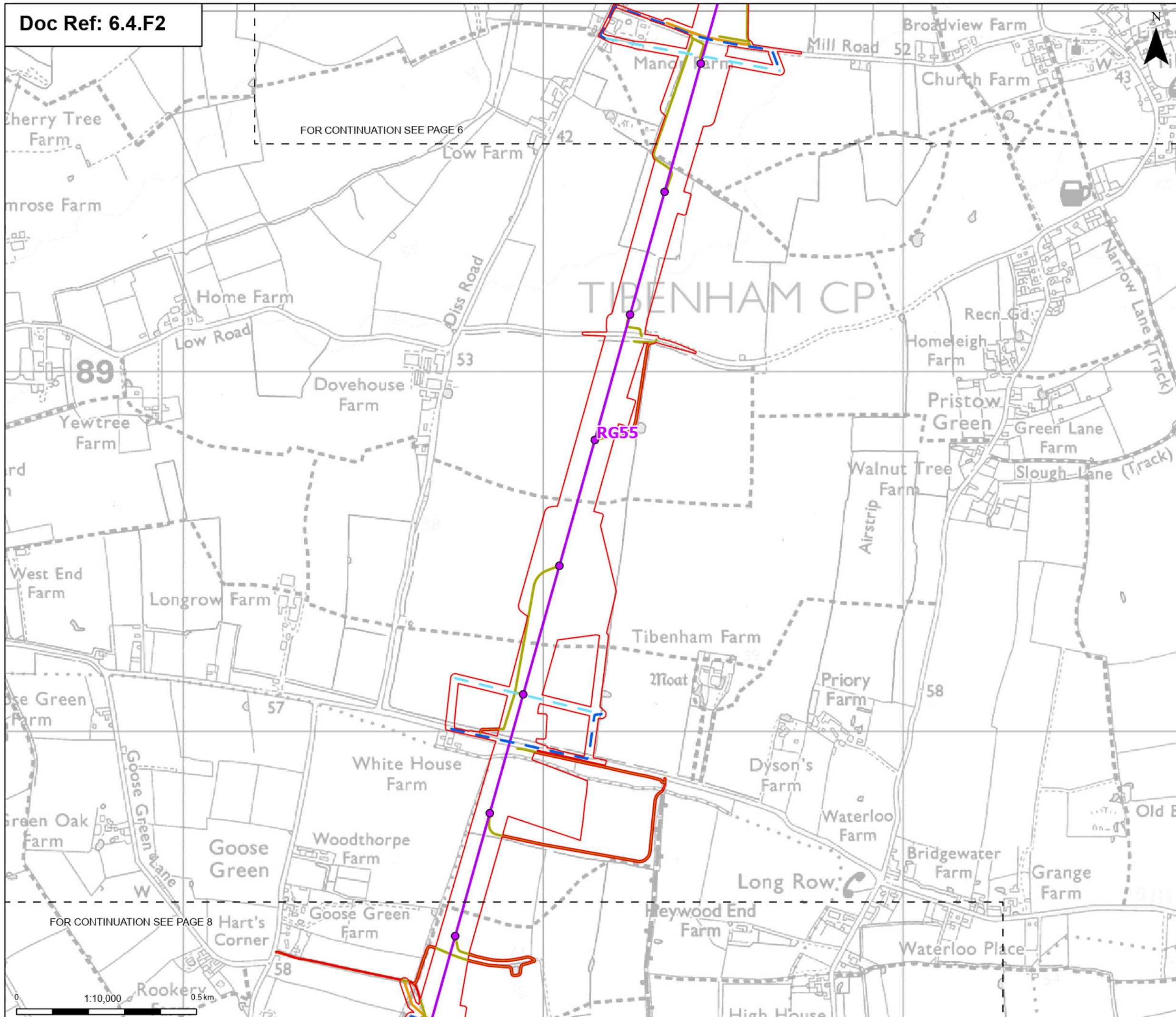
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 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
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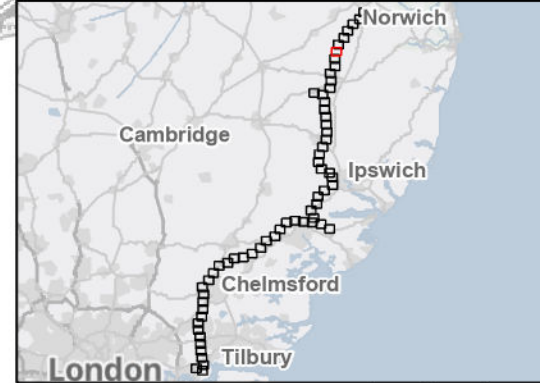


FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 8

- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
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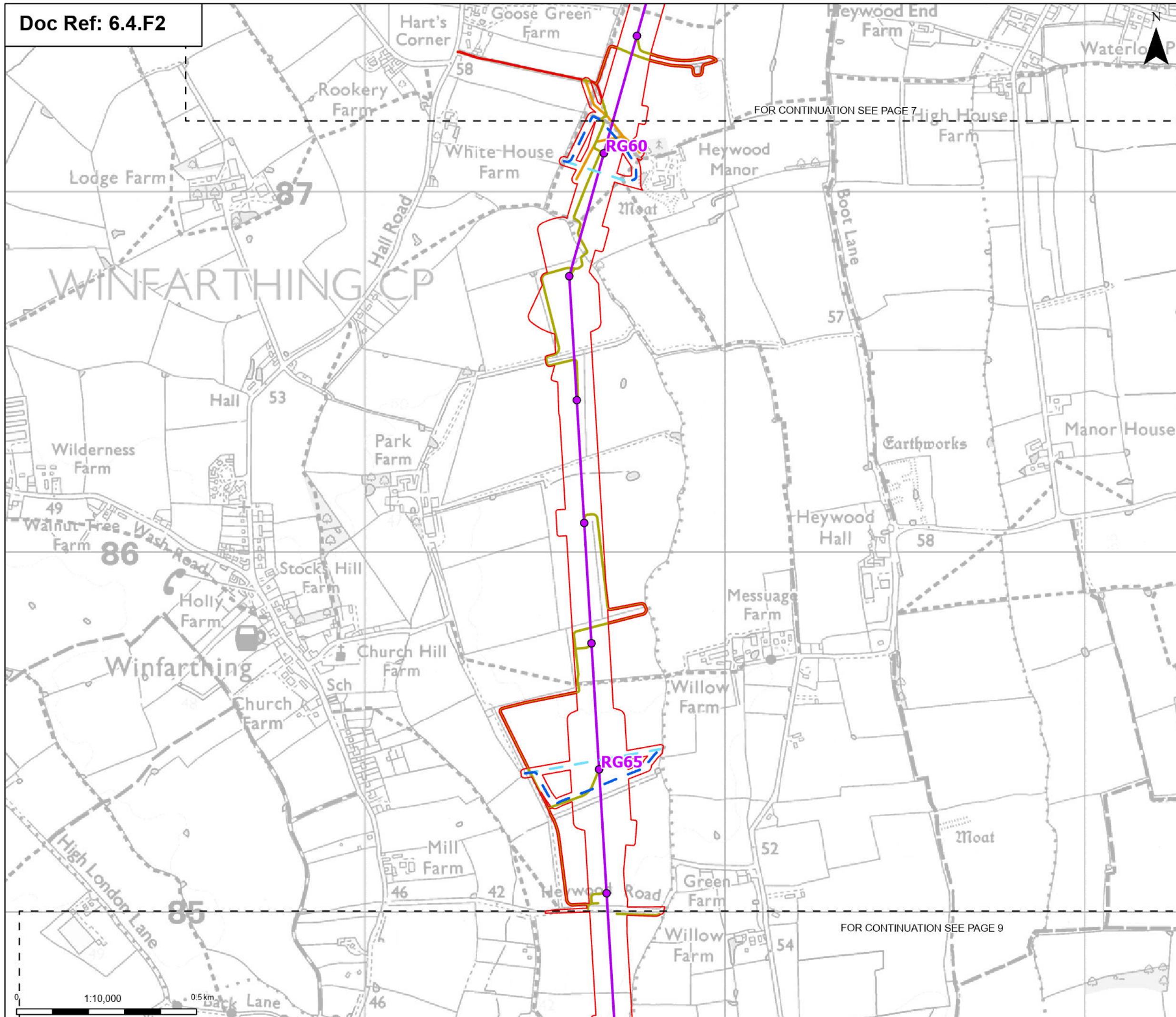
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section A Page 7 of 63**

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Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
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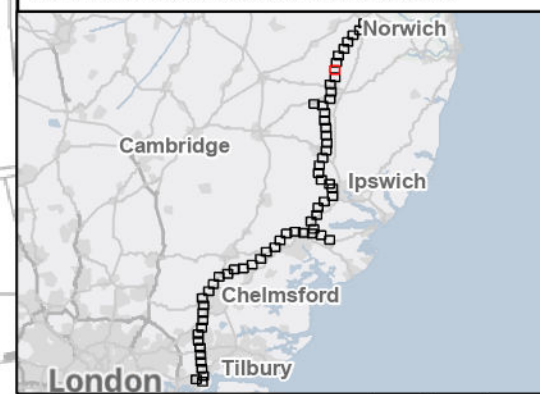
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Revision:  
**B**



- Order limits
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  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
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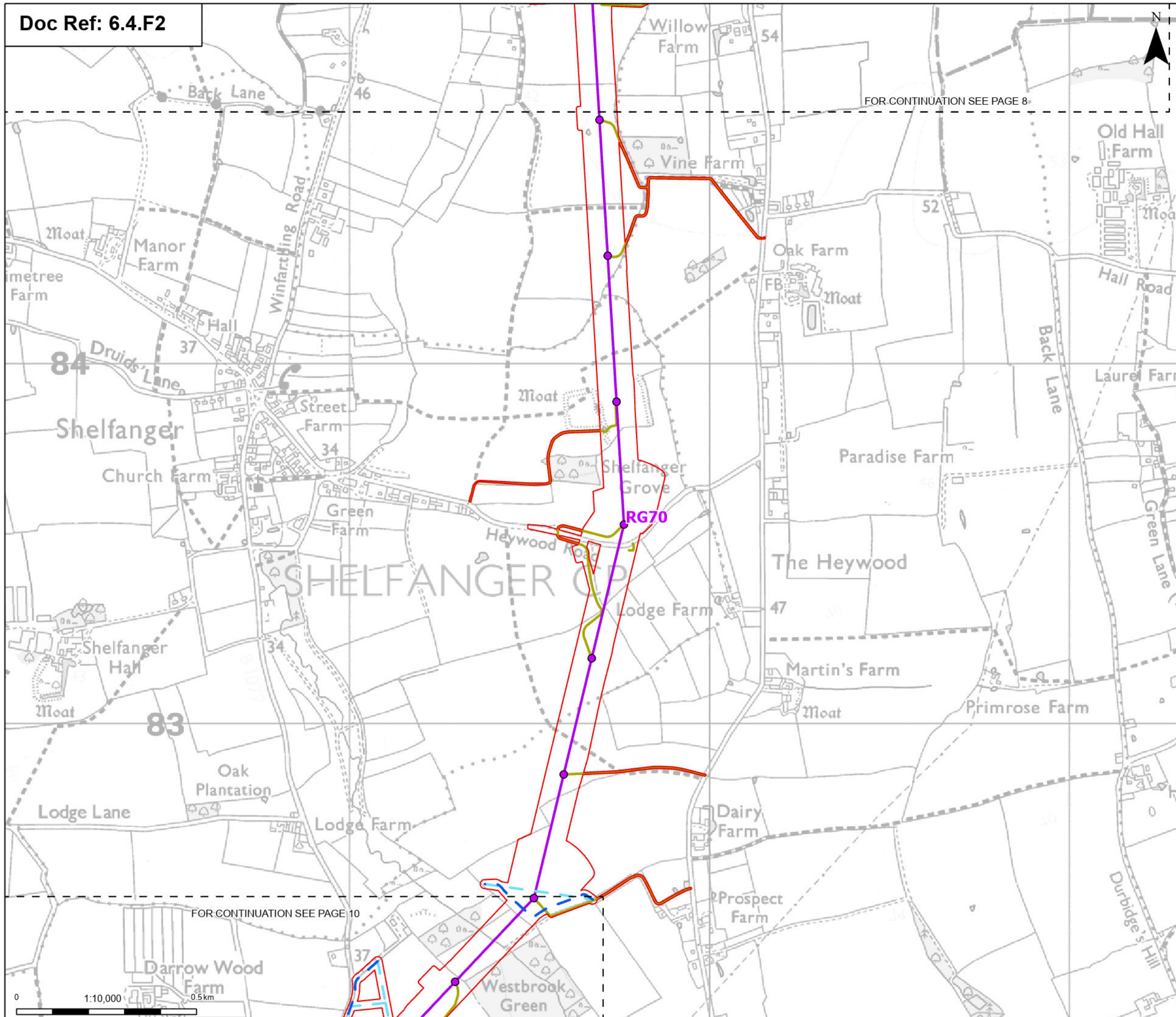
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section A**  
 Page 8 of 63

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Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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Original Size:	A3	Grid:	OS
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Revision:  
**B**

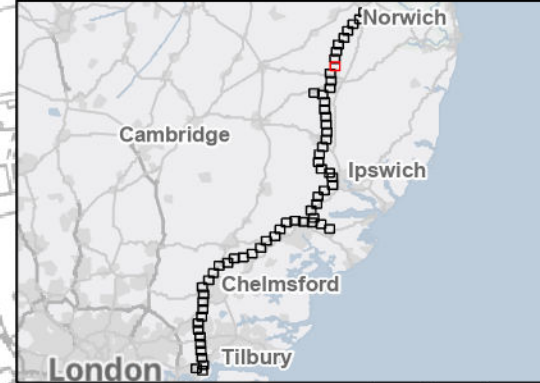


**Order limits**  
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**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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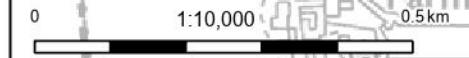
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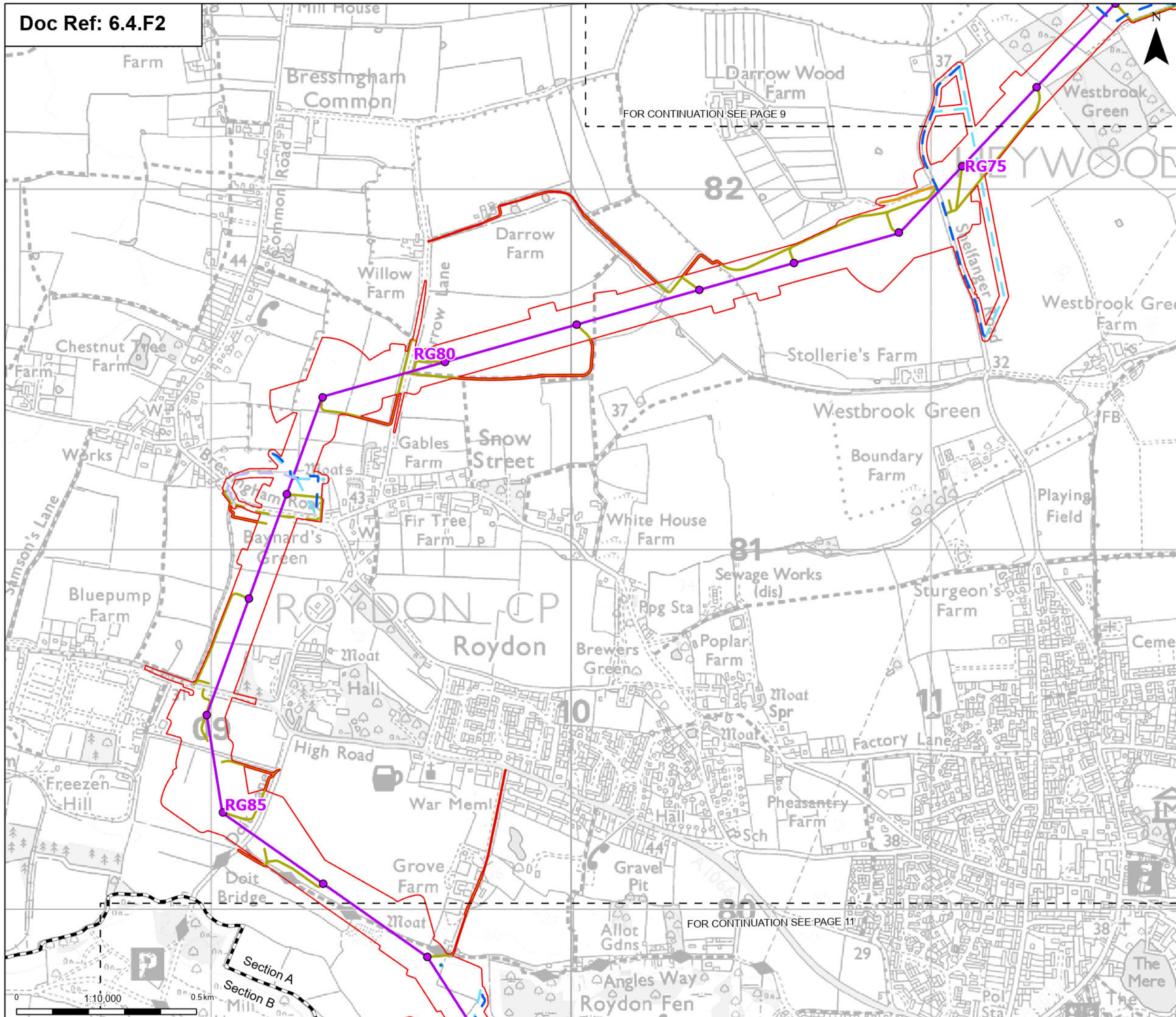
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 Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section A  
 Page 9 of 63

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Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
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Suitability Description:  
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Drawing Number:  
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 Revision: **B**





**Order limits**

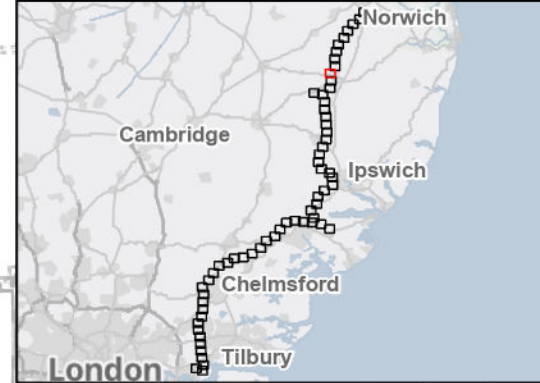
- Project section line
- Sheet index outline

**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed UKPN Pole Mitigation
- Proposed LV proposed underground cable alignment
- Proposed flood compensation mitigation works

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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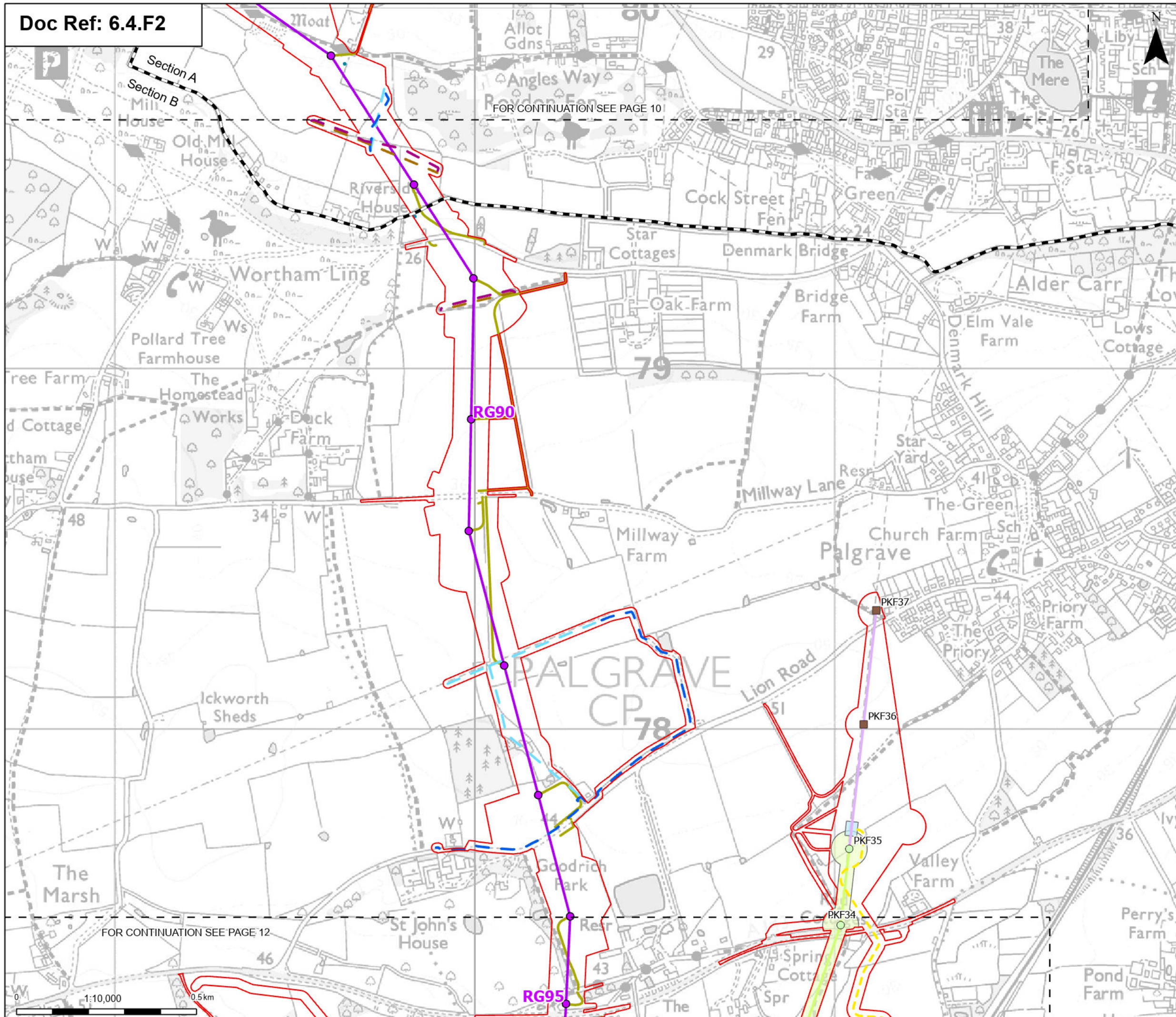
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections A and B**  
 Page 10 of 63

Designed	A. Fell	Date	May 26
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Checked	A. Fell	Date	May 26
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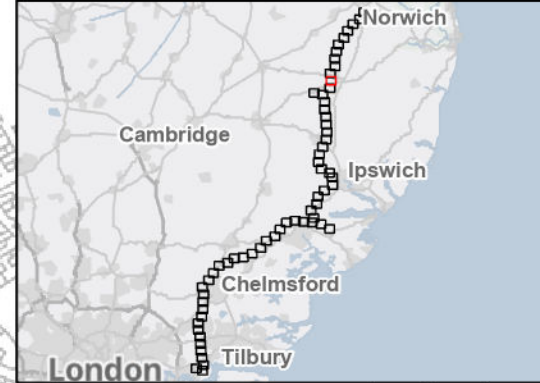
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Revision:  
**B**



- Order limits
  - - - Project section line
  - - - Sheet index cutline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - Proposed flood compensation mitigation works
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN dismantle centreline
  - Proposed UKPN Cable Centreline
  - Proposed UKPN Existing Centreline (Modified)
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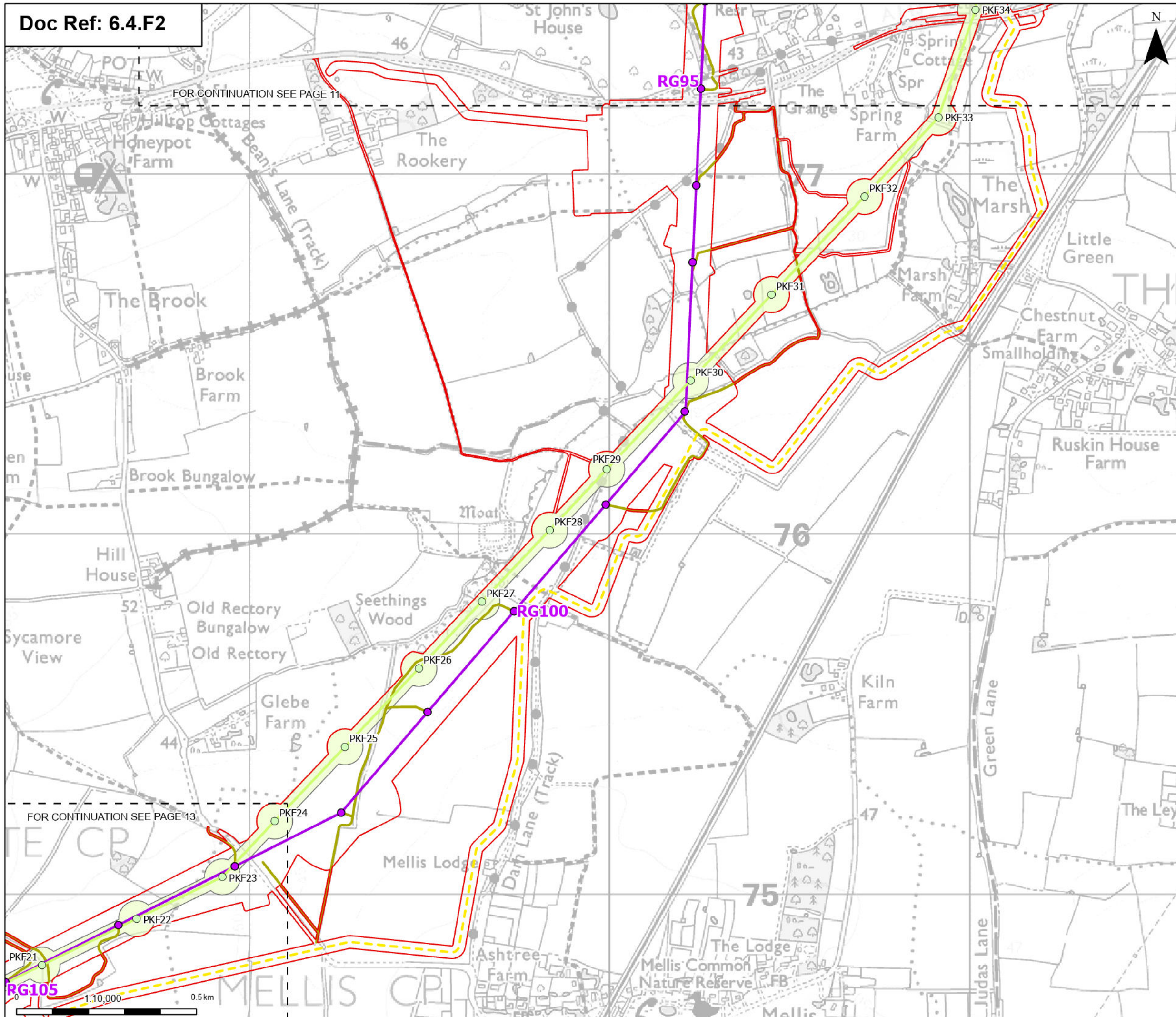
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections A and B**  
 Page 11 of 63

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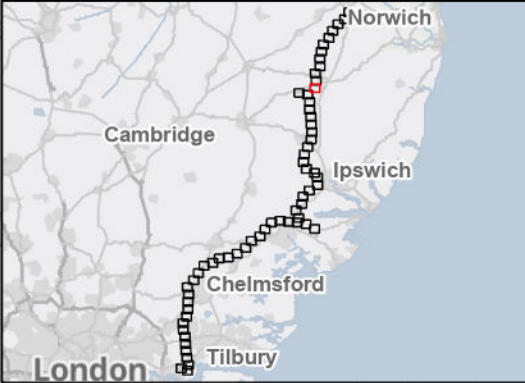
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- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

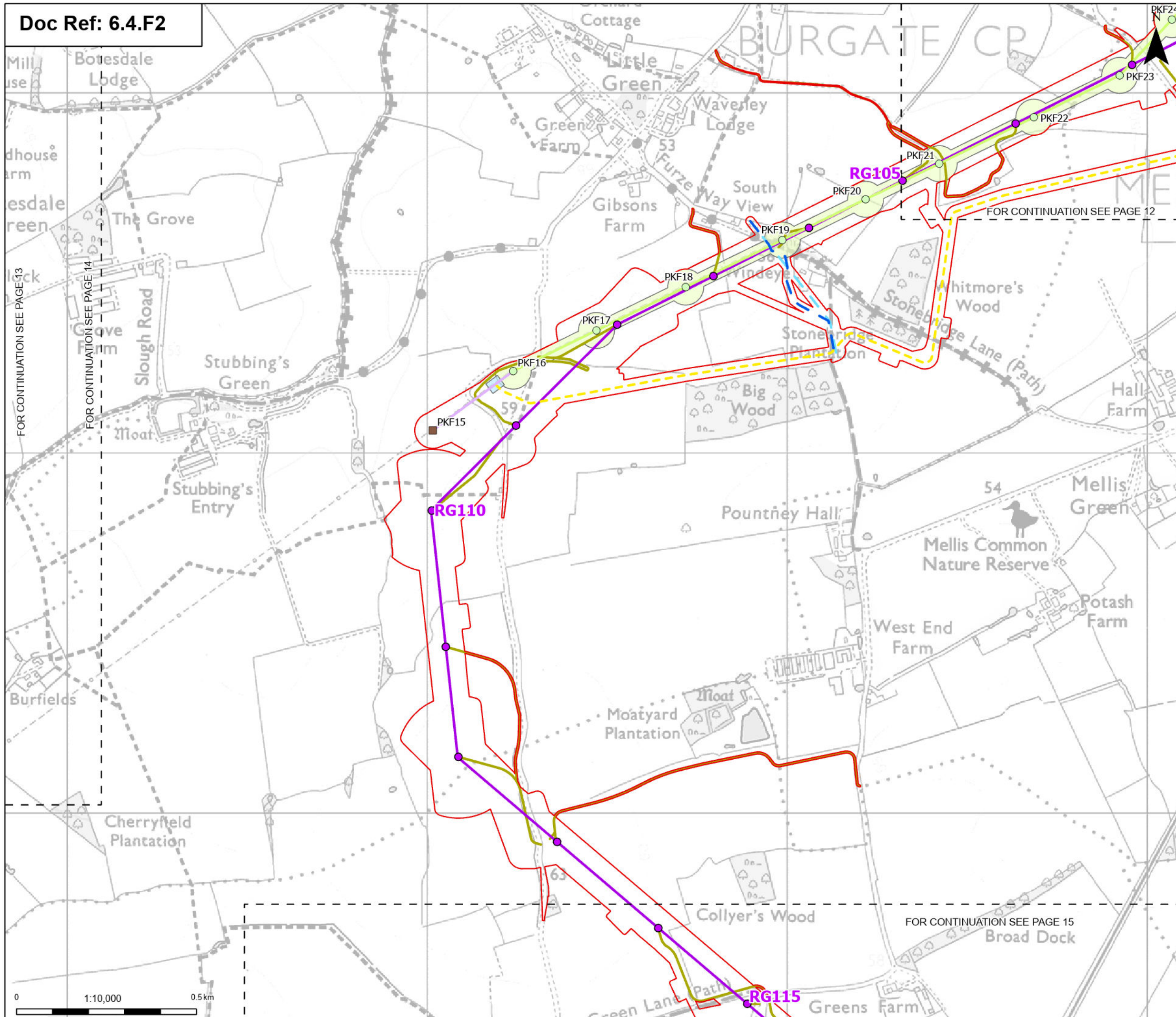
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section B Page 12 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

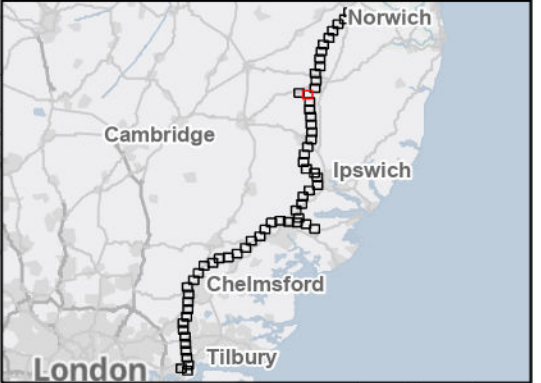
Drawing Number:  
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Revision:  
**B**



- Order limits
  - Sheet index outline
  - Proposed permanent design details
    - Proposed standard lattice pylon location
    - Proposed overhead line alignment
    - Proposed permanent access (no physical works)
    - Proposed UKPN overhead line dismantle towers
    - Proposed UKPN overhead line existing tower (to be modified)
    - Proposed 11kV overhead line mitigation
    - Proposed 11kV underground cable alignment mitigation
    - Proposed UKPN cable sealing end platform
    - Proposed UKPN tower dismantle assets
    - Proposed UKPN dismantle centreline
    - Proposed UKPN Cable Centreline
    - Proposed UKPN Existing Centreline (Modified)
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section B  
 Page 13 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

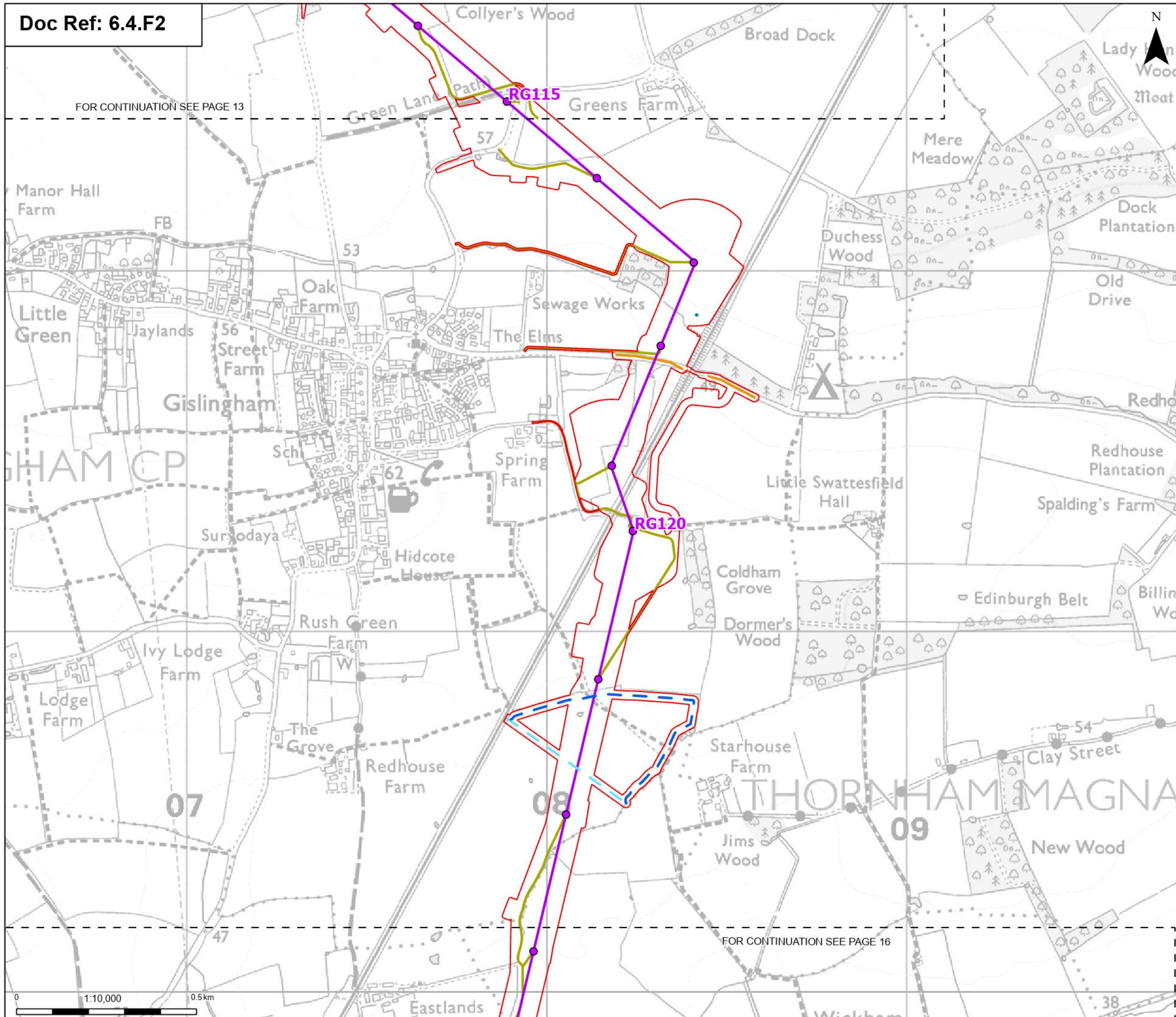
Suitability Description:  
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Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: <b>B</b>
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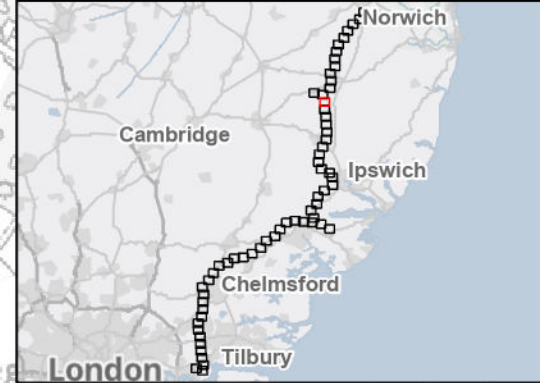


FOR CONTINUATION SEE PAGE 13



**Order limits**  
 Sheet index outline  
**Proposed permanent design details**  
 Proposed standard lattice pylon location  
 Proposed overhead line alignment  
 Proposed permanent access (no physical works)  
 Proposed BT overhead line mitigation  
 Proposed 11kV overhead line mitigation  
 Proposed 11kV underground cable alignment mitigation  
 Proposed flood compensation mitigation works  
 Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

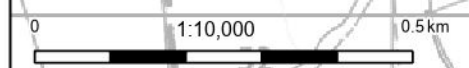
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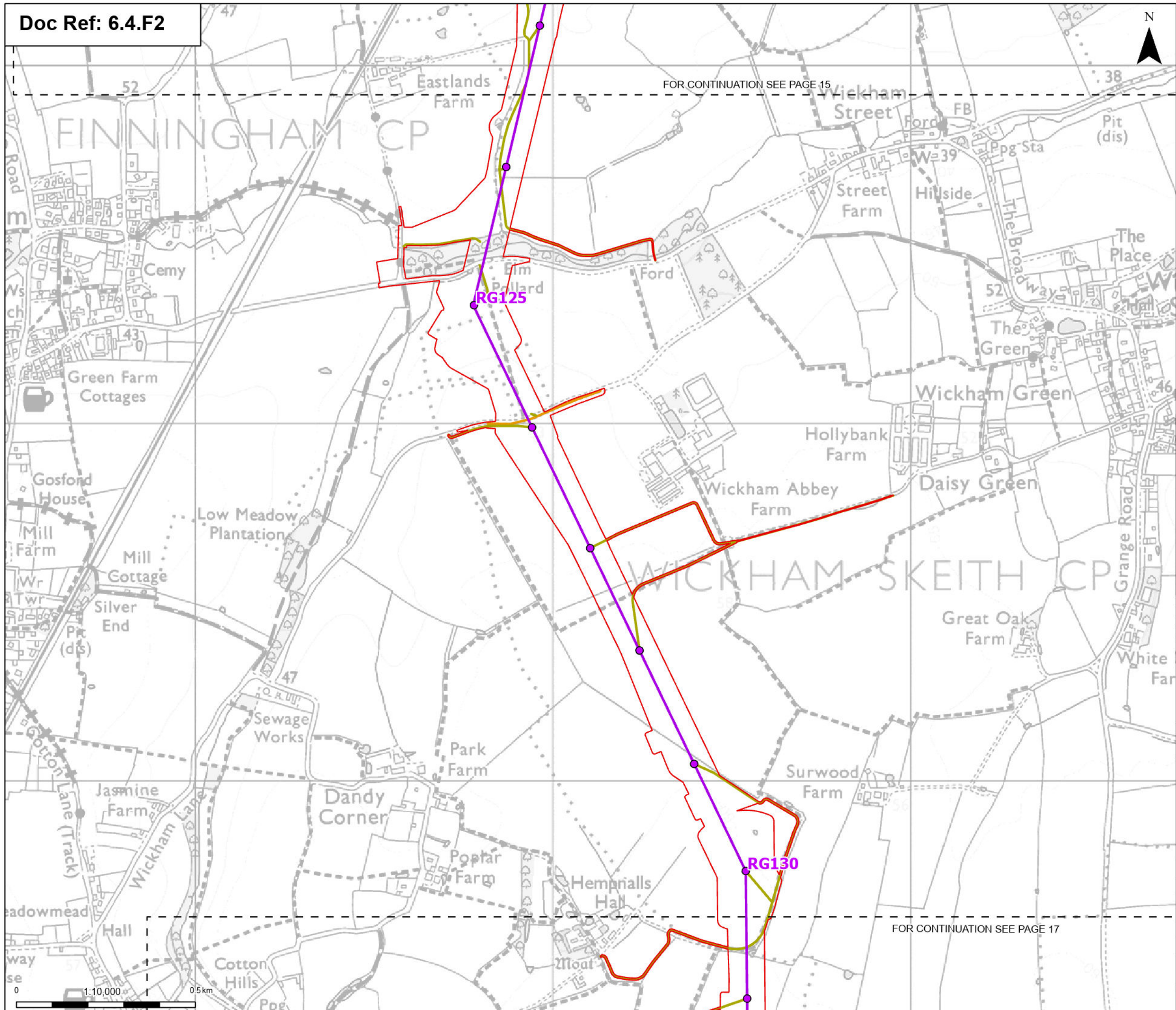
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 Figure 4.2 - Project Description - Proposed Project Design - Permanent Features  
 Section B  
 Page 15 of 63

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206  
 Revision:  
**B**



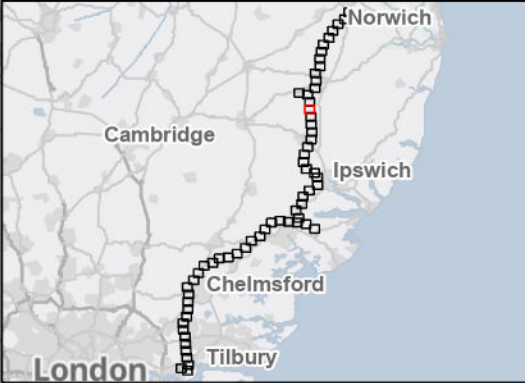


FOR CONTINUATION SEE PAGE 15

FOR CONTINUATION SEE PAGE 17

- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

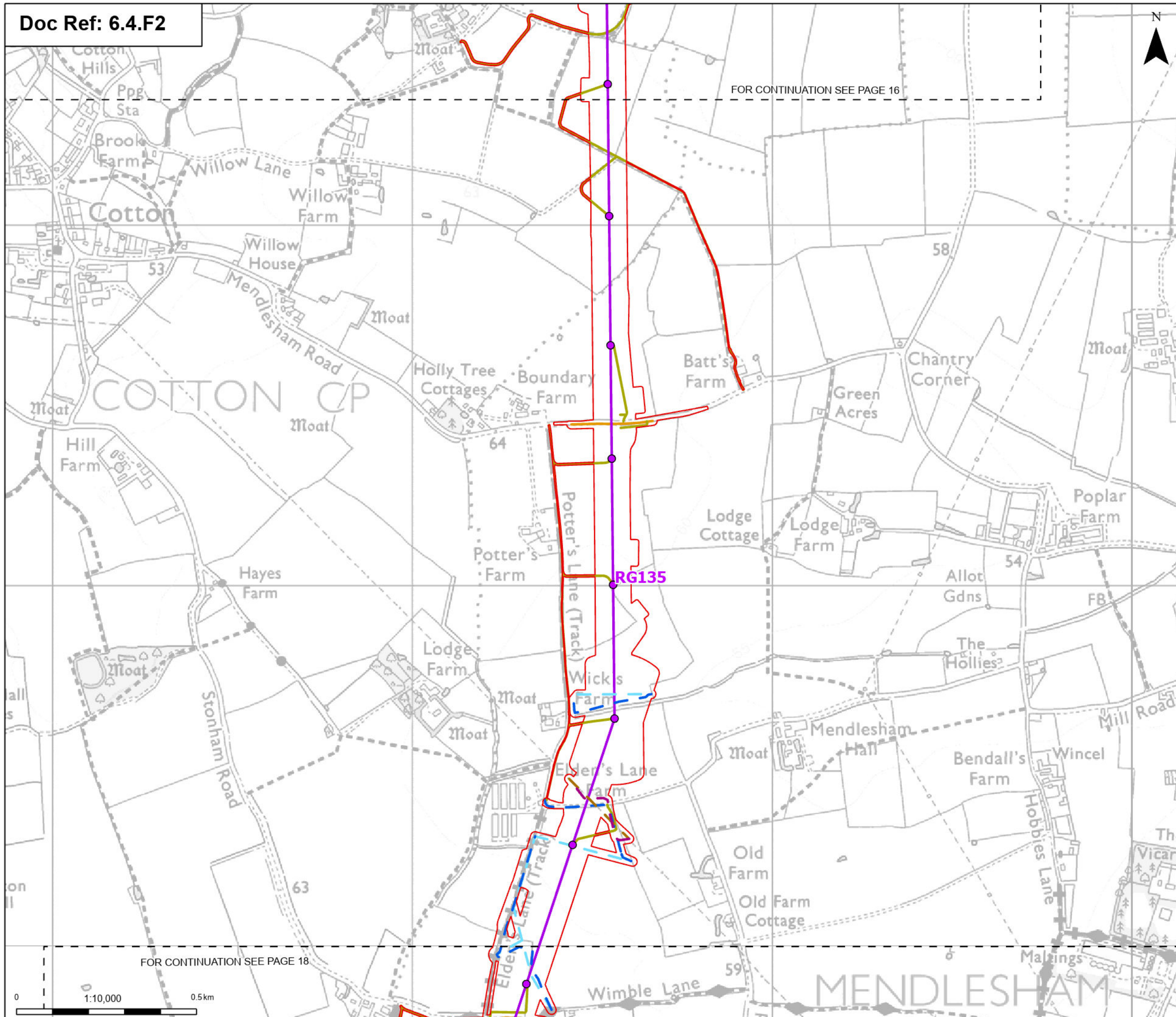
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section B Page 16 of 63**

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Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



FOR CONTINUATION SEE PAGE 16

FOR CONTINUATION SEE PAGE 18

**Order limits**

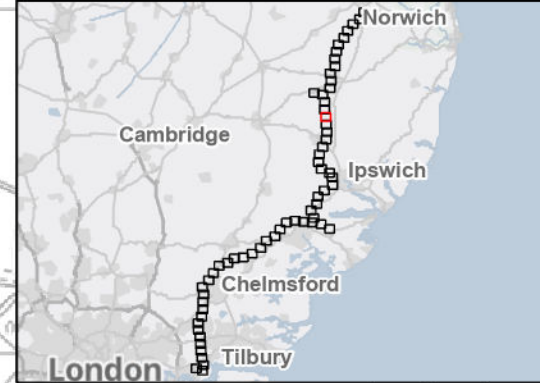
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**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section B**  
 Page 17 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

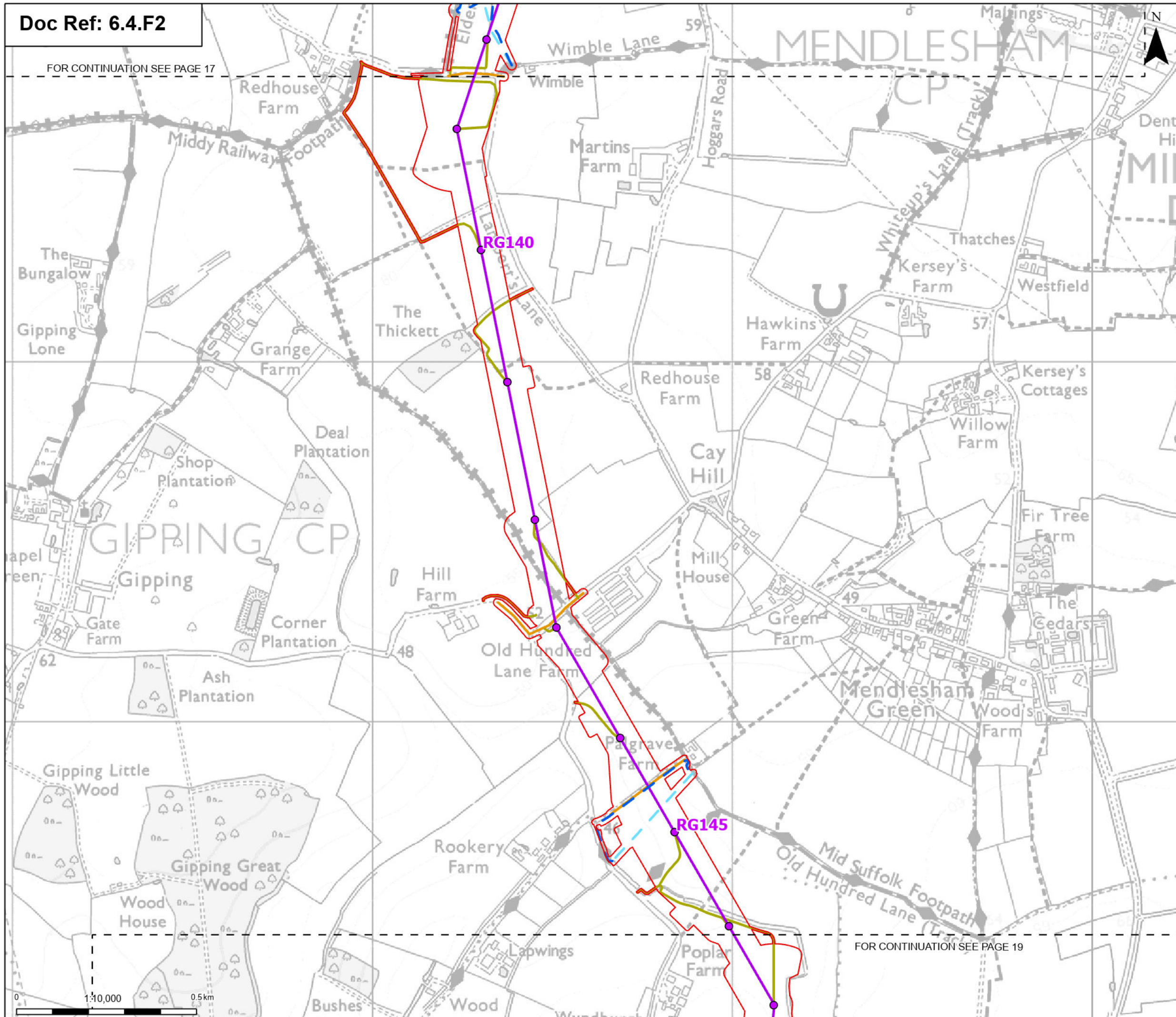
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Drawing Number:  
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Revision:  
**B**

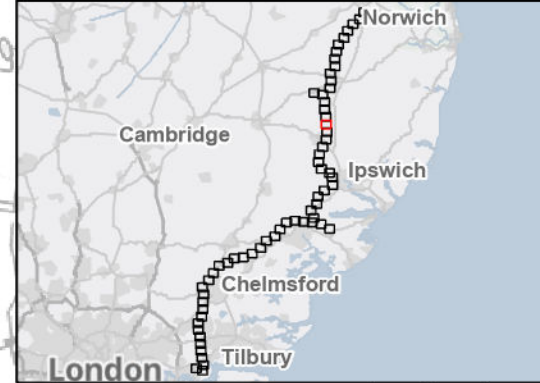


FOR CONTINUATION SEE PAGE 17



- Order limits**
- Sheet index outline
- Proposed permanent design details**
- Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
nationalgrid Norwich to Tilbury

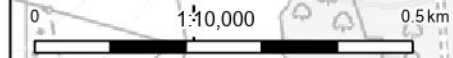
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Regulation 5(2)(a)

Title:  
Figure 4.2 - Project Description - Proposed Project Design - Permanent Features  
Section B  
Page 18 of 63

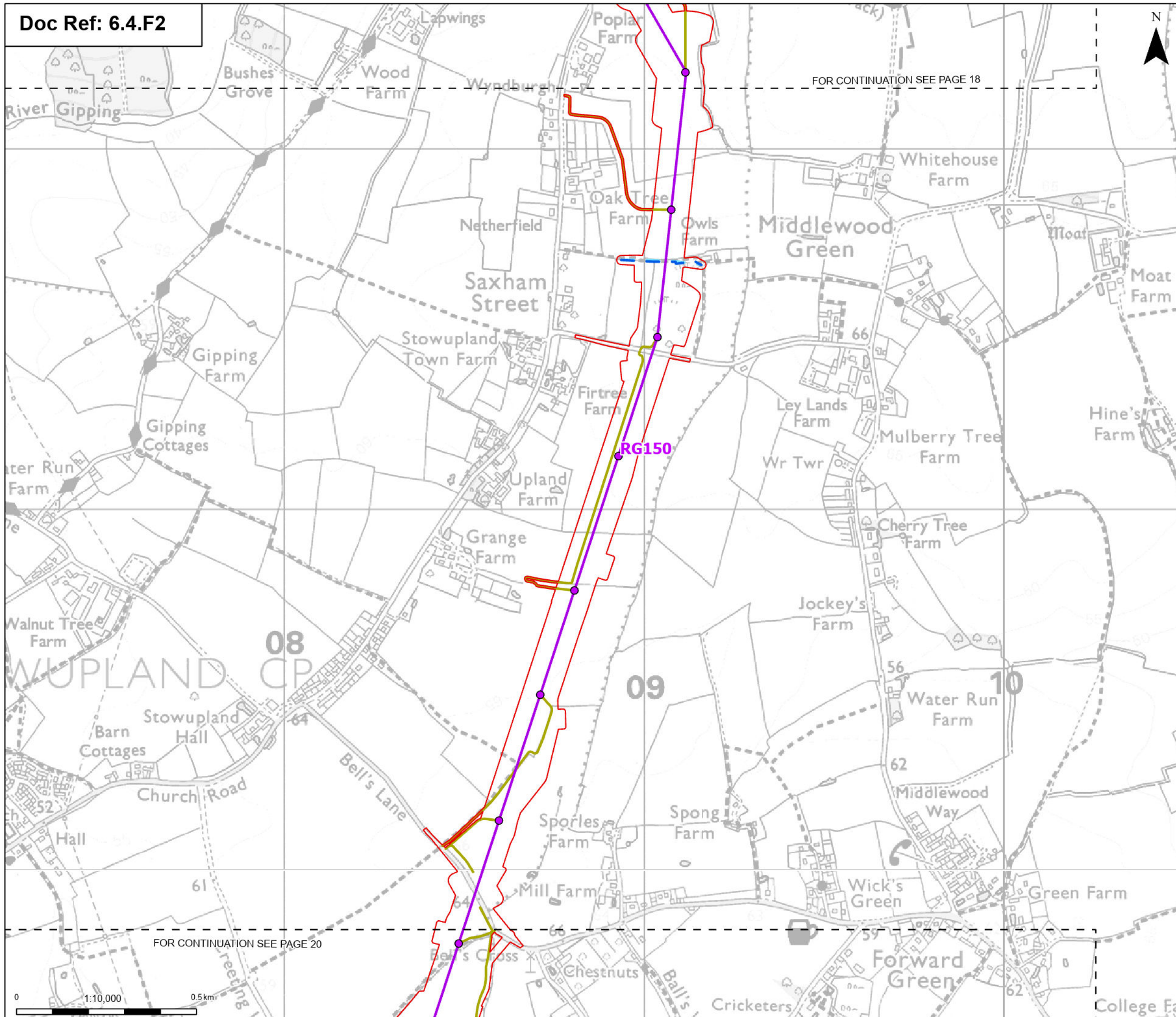
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number:  
10059280-ARC-EGN-ZZ-DR-ZZ-00206  
Revision:  
B



FOR CONTINUATION SEE PAGE 19



FOR CONTINUATION SEE PAGE 18

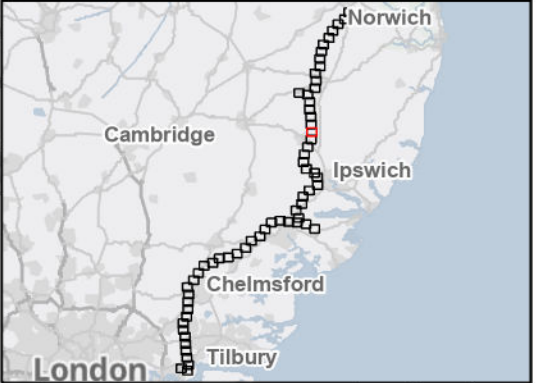
FOR CONTINUATION SEE PAGE 20

**Order limits**  
 Sheet index outline  
**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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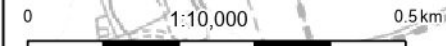
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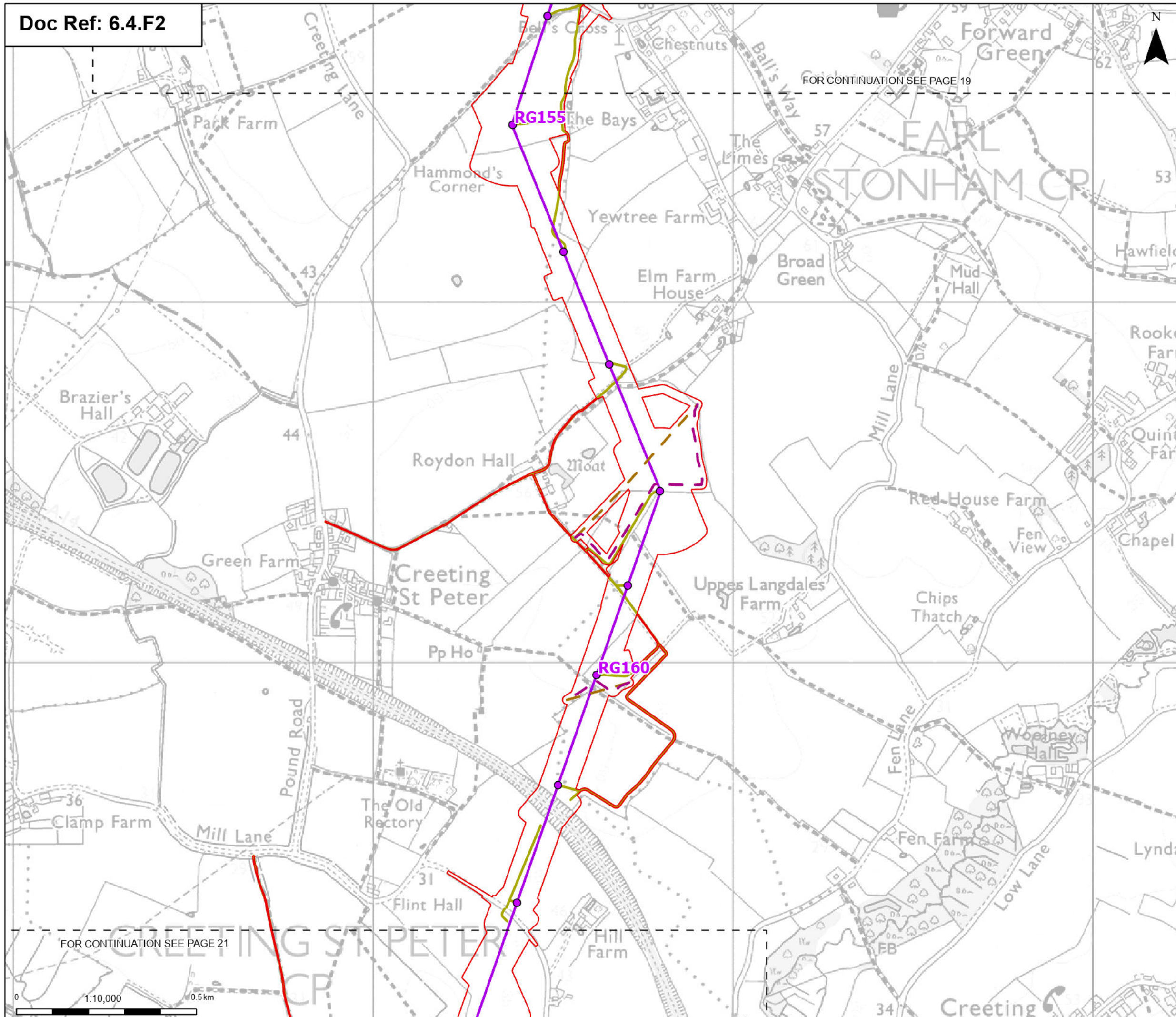
PROJECT:  
**nationalgrid** Norwich to Tilbury  
 Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section B  
 Page 19 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage  
 Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206  
 Revision: **B**



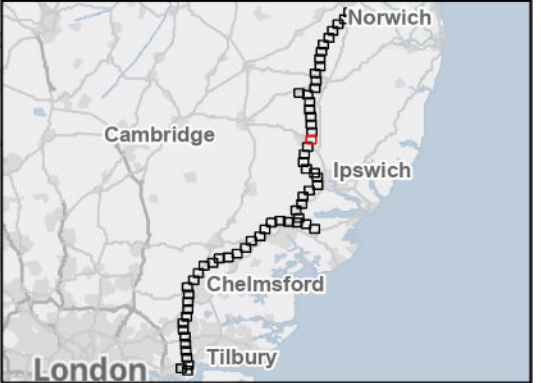


FOR CONTINUATION SEE PAGE 19

FOR CONTINUATION SEE PAGE 21

**Order limits**  
 Order limits  
**Sheet index outline**  
 Sheet index outline  
**Proposed permanent design details**  
 Proposed standard lattice pylon location  
 Proposed overhead line alignment  
 Proposed permanent access (no physical works)  
 Proposed 33kV overhead line mitigation  
 Proposed 33kV underground cable alignment mitigation  
 Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

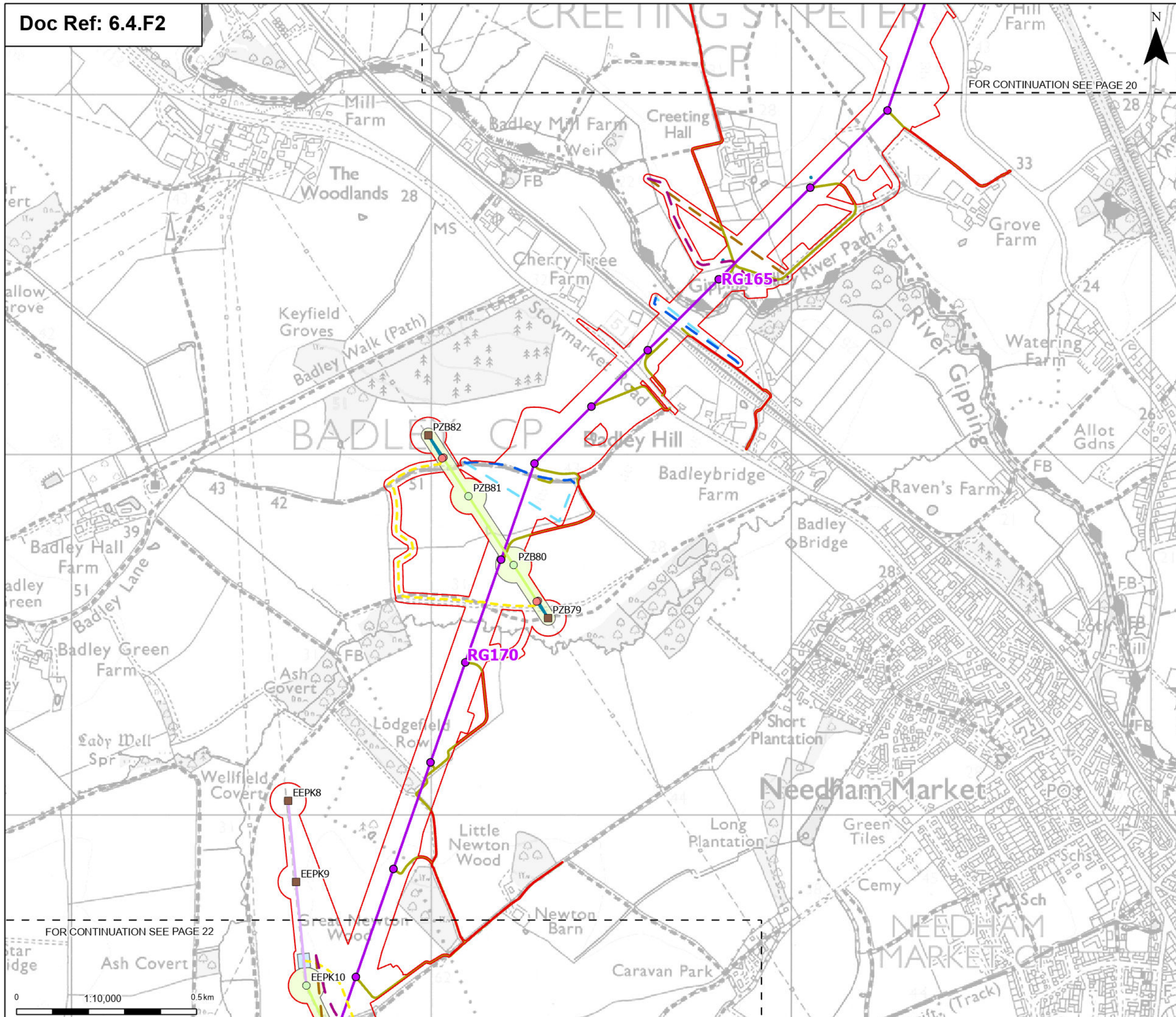
PROJECT:  
**nationalgrid** Norwich to Tilbury  
 Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section B  
 Page 20 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: <b>B</b>
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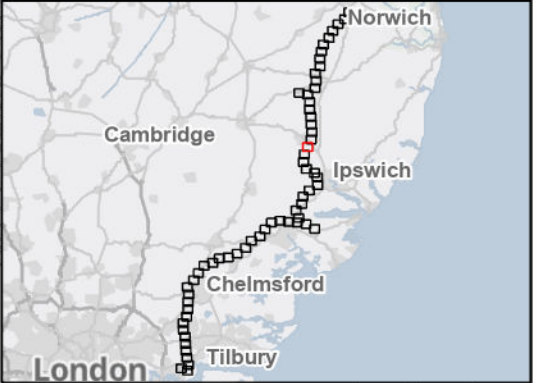


FOR CONTINUATION SEE PAGE 20

FOR CONTINUATION SEE PAGE 22

- Order limits
  - Sheet index cutline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed UKPN OHL New H Pole
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - Proposed flood compensation mitigation works
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN dismantle centreline
  - Proposed UKPN Cable Centreline
  - Proposed UKPN Existing Centreline (Modified)
  - Proposed UKPN New Centreline
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

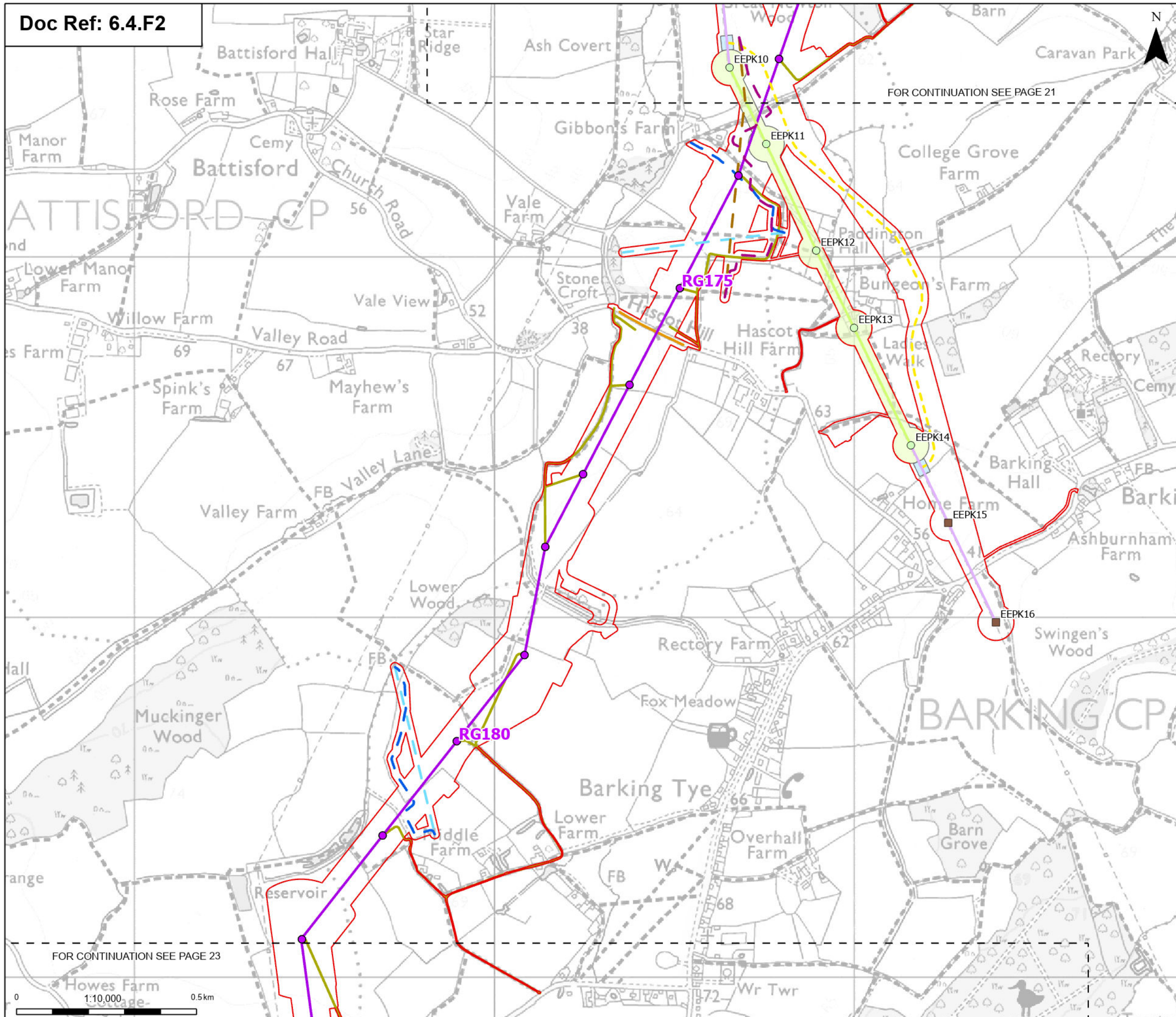
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section B Page 21 of 63**

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
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Revision:  
**B**

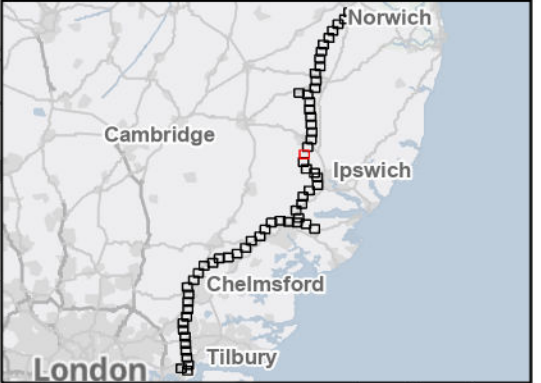


- Order limits
  - Proposed permanent design details
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed UKPN overhead line dismantling towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN dismantle centreline
  - Proposed UKPN Cable Centreline
  - Proposed UKPN Existing Centreline (Modified)
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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FOR CONTINUATION SEE PAGE 23

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

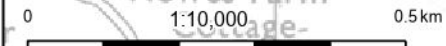
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section B  
 Page 22 of 63

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

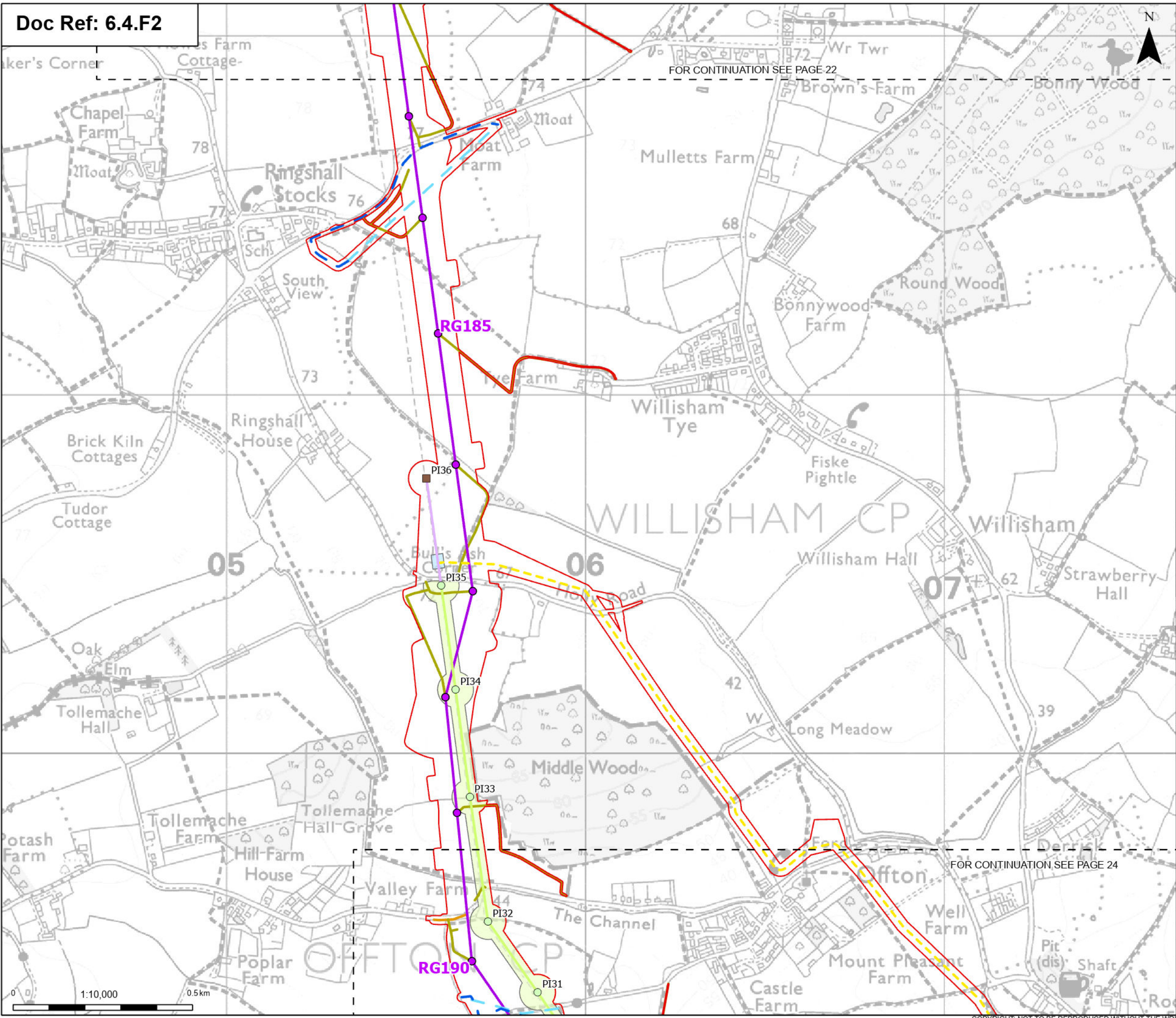
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Revision:  
**B**



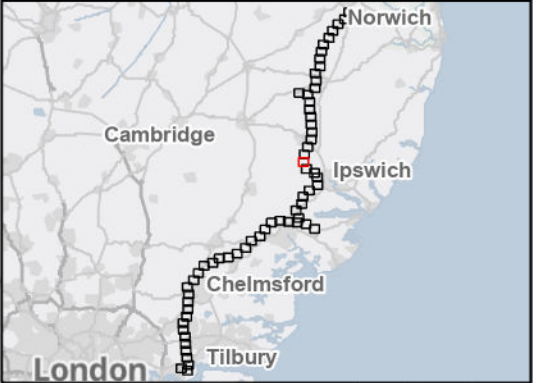
FOR CONTINUATION SEE PAGE 22

FOR CONTINUATION SEE PAGE 24



- Order limits**
- Sheet index outline
- Proposed permanent design details**
- Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN dismantle centreline
  - Proposed UKPN Cable Centreline
  - Proposed UKPN Existing Centreline (Modified)
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

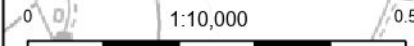
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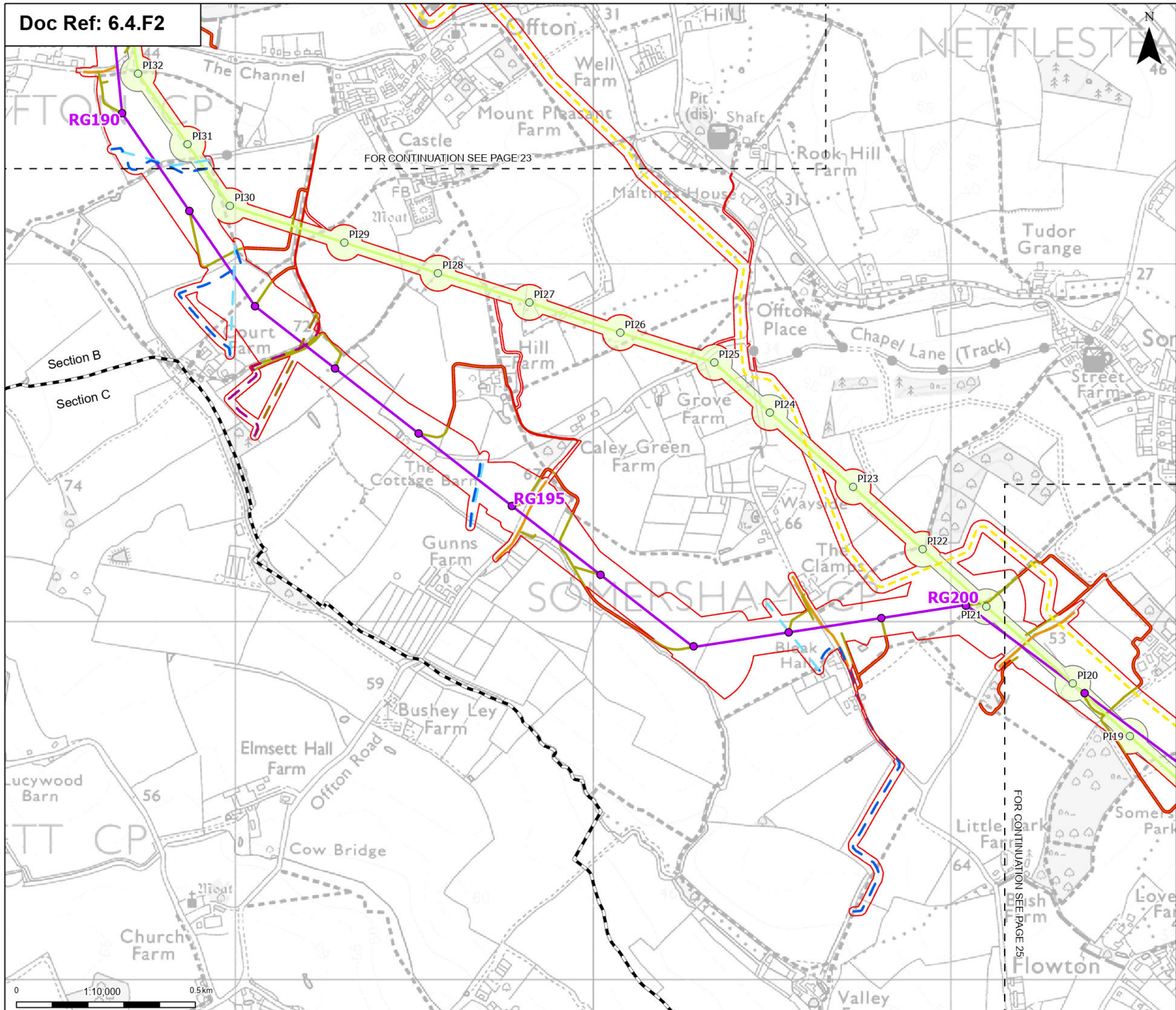
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section B Page 23 of 63**

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:	10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision:	B
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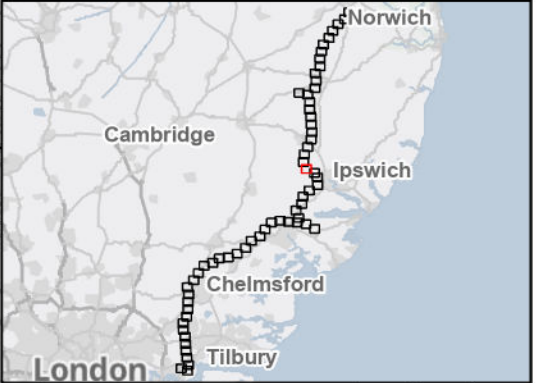
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**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed UKPN overhead line dismantle towers
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Proposed UKPN tower dismantle assets
- Proposed UKPN dismantle centreline
- Proposed UKPN Cable Centreline

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections B and C Page 24 of 63**

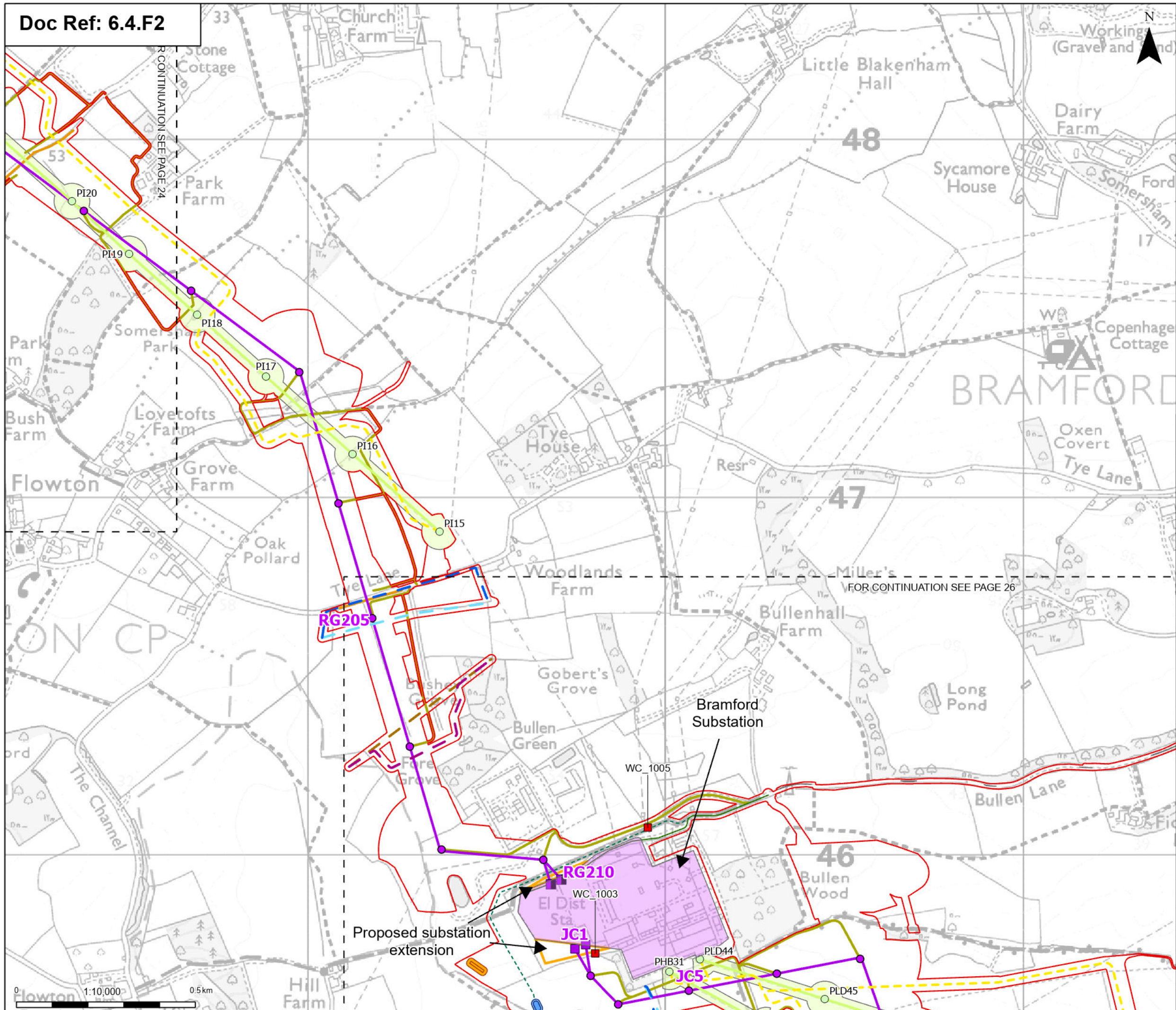
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Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
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Suitability Description:  
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Drawing Number:  
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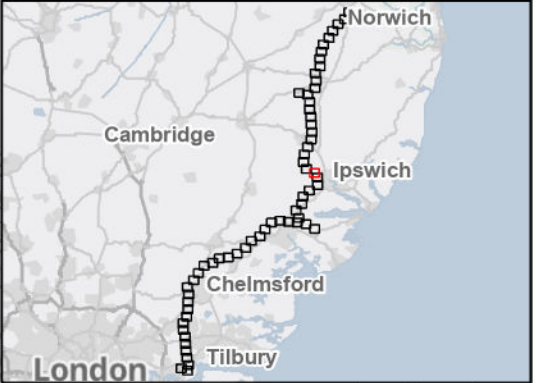
Revision:  
**B**





- Order limits
  - - - Sheet index cutline
  - Bramford Substation
  - Proposed full line tension gantry
  - Proposed low duty gantry
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed Bramford Substation Extension
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - - - Proposed permanent drainage access route
  - Proposed UKPN overhead line dismantle towers
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - Proposed permanent spoil bund hatch
  - Proposed permanent road widening
  - Proposed UKPN tower dismantle assets
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed UKPN dismantle centreline
  - Proposed UKPN Cable Centreline
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section B Page 25 of 63**

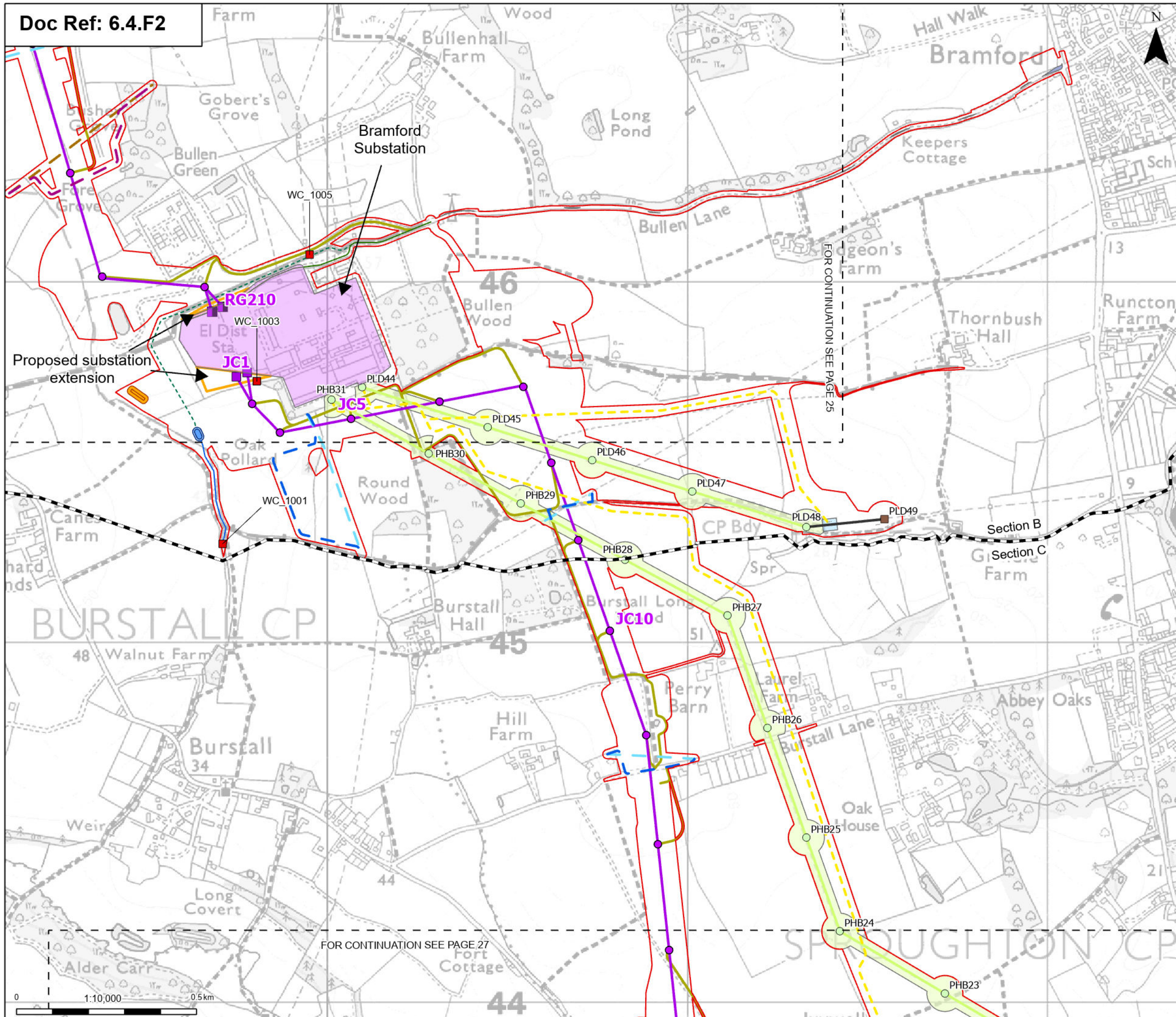
Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

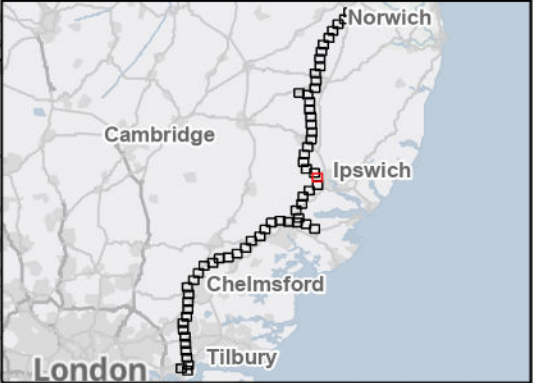
Revision:  
**B**





- Order limits
  - Project section line
  - Sheet index outline
  - Bramford Substation
  - Proposed permanent design details
  - Proposed full line tension gantry
  - Proposed low duty gantry
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed Bramford Substation Extension
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - Proposed permanent drainage access route
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - Proposed permanent spoil bund hatch
  - Proposed permanent road widening
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed UKPN dismantle centreline
  - Proposed UKPN existing centreline (modified)
  - Proposed UKPN Cable Centreline
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT: **nationalgrid** Norwich to Tilbury

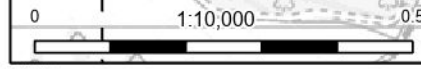
Planning Inspectorate App Number: EN020027  
Regulation 5(2)(a)

Title: **Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections B and C**  
Page 26 of 63

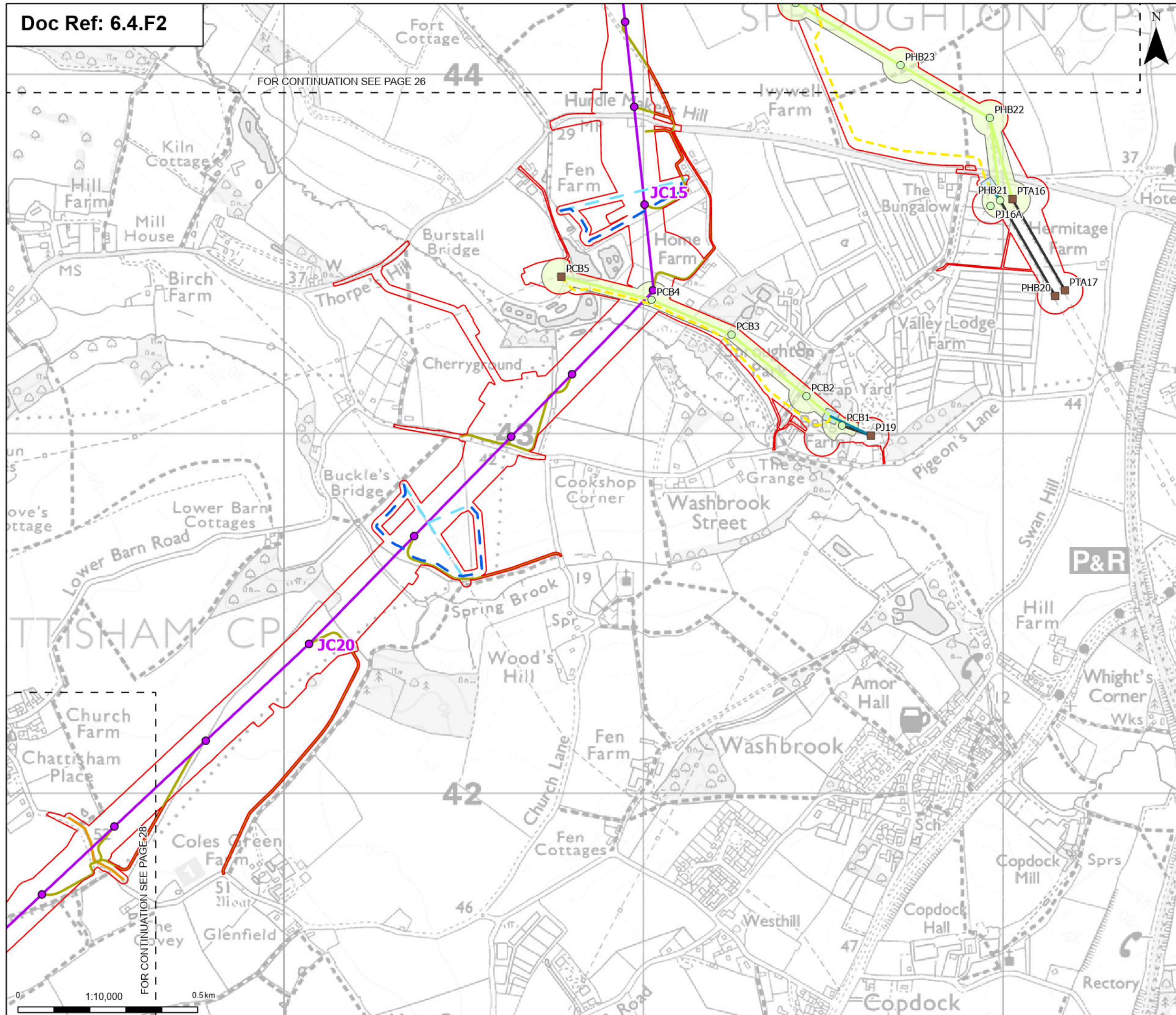
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: **Accepted as Concept Stage**

Drawing Number: **10059280-ARC-EGN-ZZ-DR-ZZ-00206** Revision: **B**



FOR CONTINUATION SEE PAGE 26



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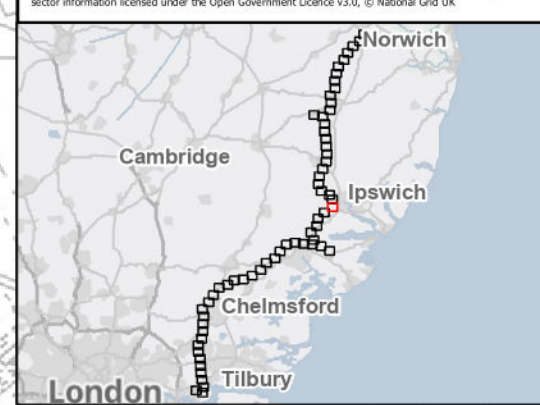
Sheet index outline

**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed UKPN cable sealing end platform
- Proposed UKPN tower dismantle assets
- Proposed UKPN dismantle centreline
- Proposed UKPN existing centreline (modified)
- Proposed UKPN Cable Centreline
- Proposed UKPN New Centreline

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section C**  
 Page 27 of 63

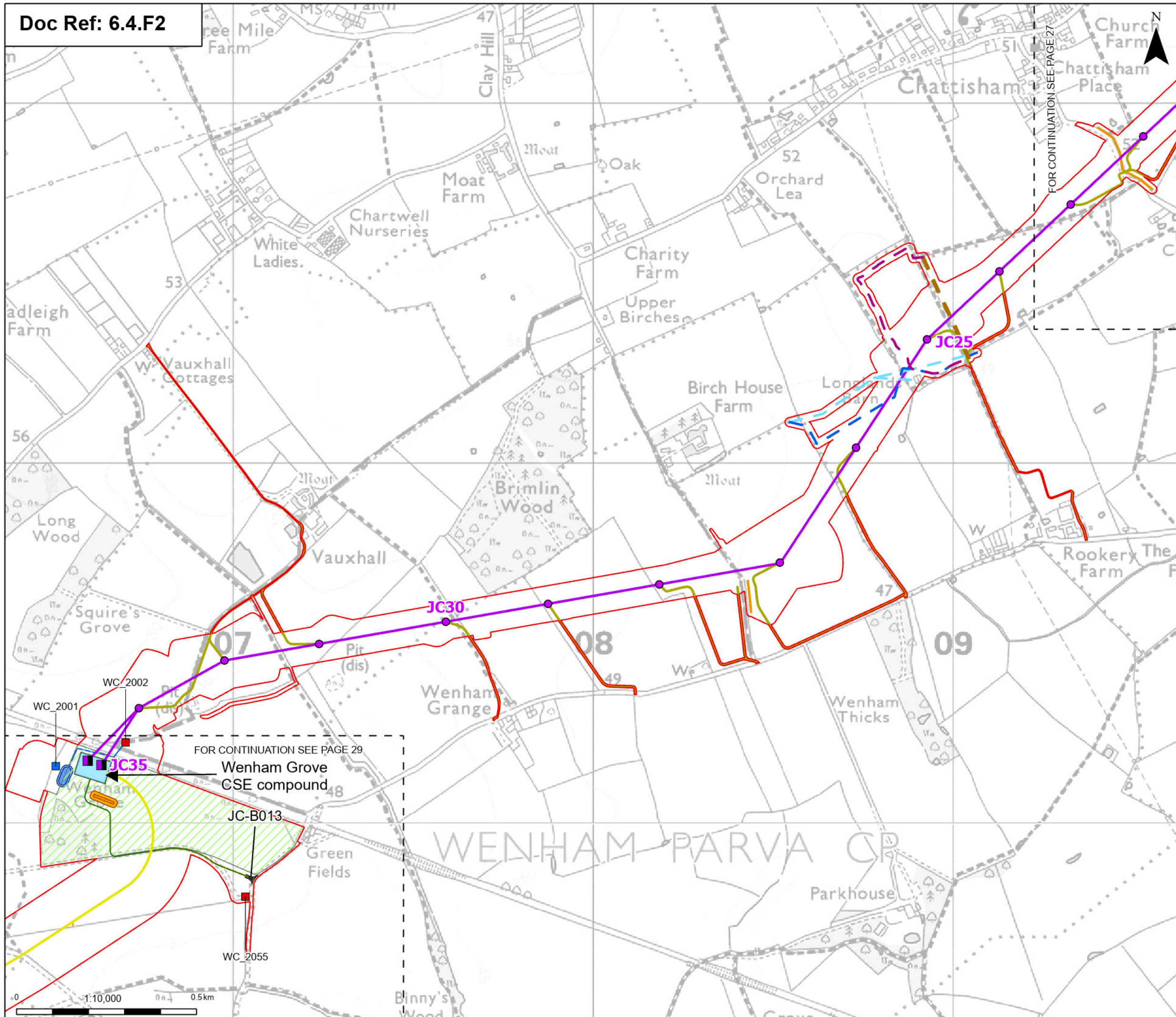
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

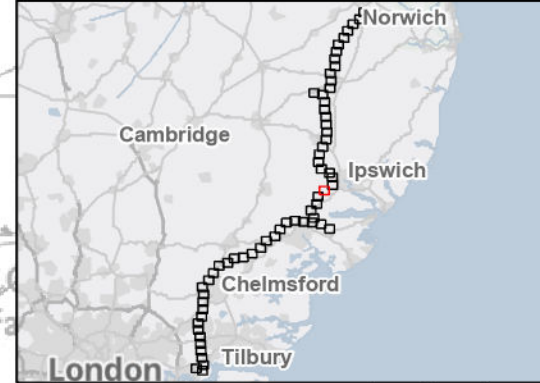
Revision:  
**B**





- Proposed permanent design details**
- Order limits
  - - - Sheet index cutline
  - Proposed full line tension gantry
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed underground cable alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed cable sealing end (CSE) compound
  - ▨ Proposed Environmental Areas - Permanent
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - - - Proposed cable permanent access (no physical works)
  - Proposed permanent spoil bund hatch
  - Proposed permanent site access points
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

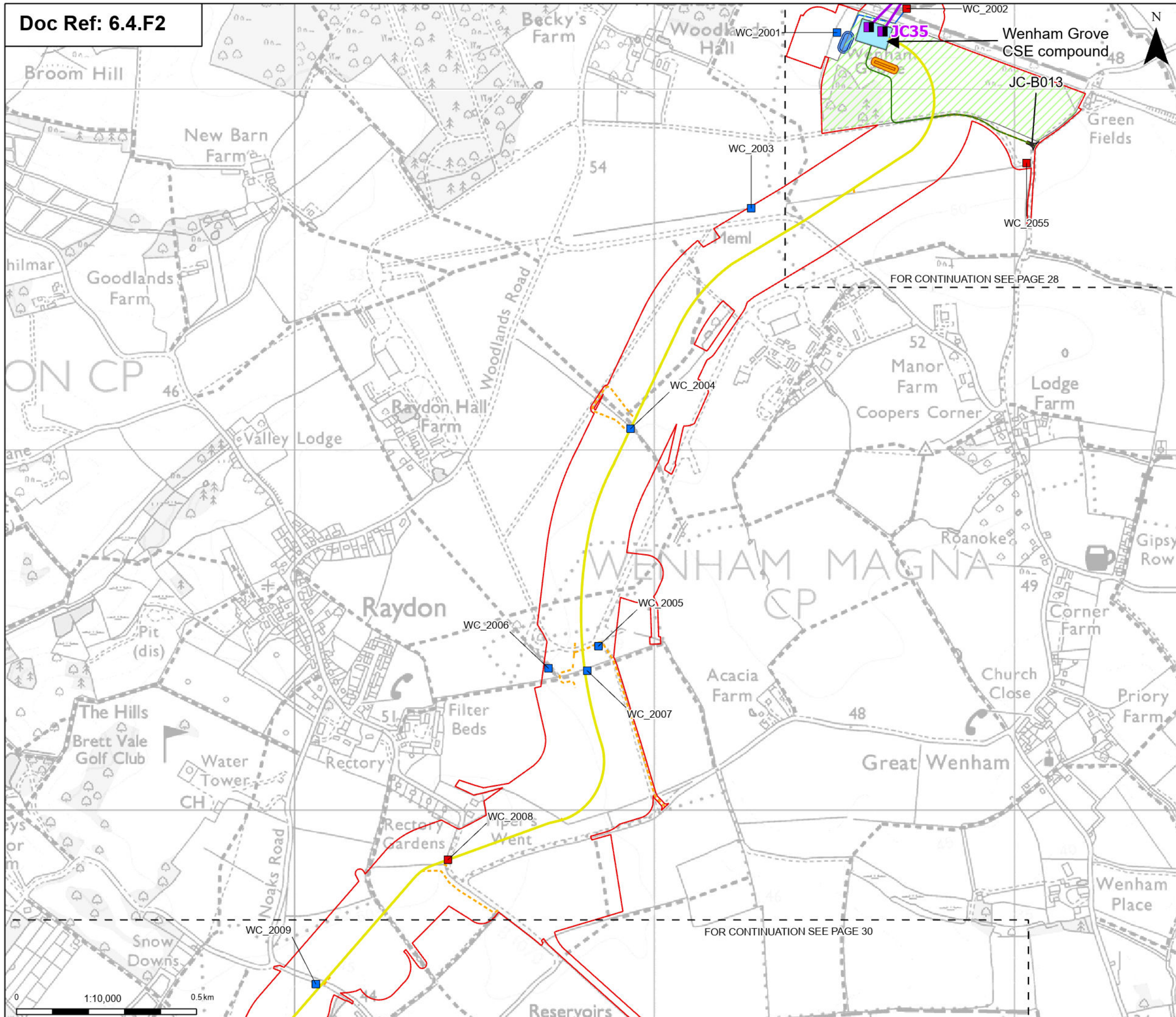
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section C Page 28 of 63**

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
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Suitability Description:  
 Accepted as Concept Stage

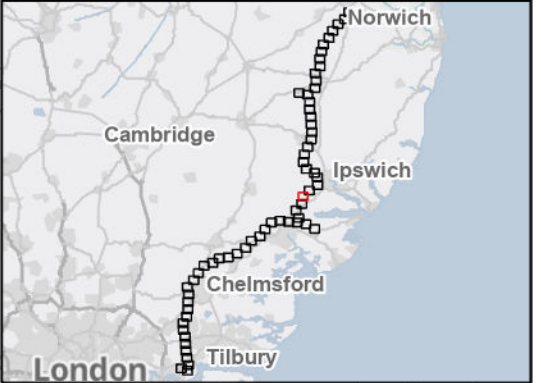
Drawing Number:  
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Revision:  
**B**



- Order limits
  - Sheet index cutline
  - Proposed full line tension gantry
  - Proposed underground cable alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed cable sealing end (CSE) compound
  - Proposed Environmental Areas - Permanent
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - Proposed cable permanent access (no physical works)
  - Proposed permanent spoil bund hatch
  - Proposed permanent site access points
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

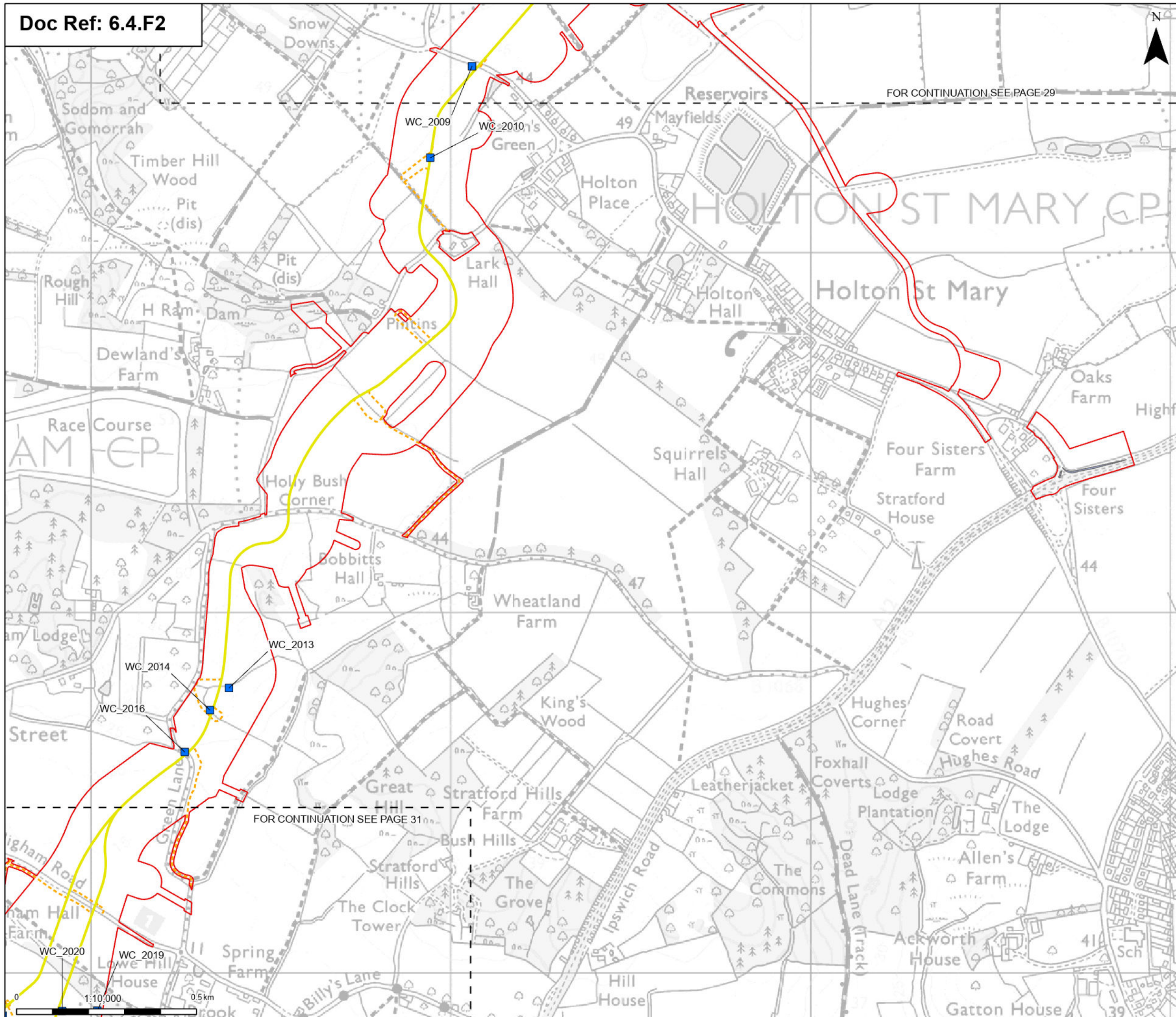
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section C**  
 Page 29 of 63

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

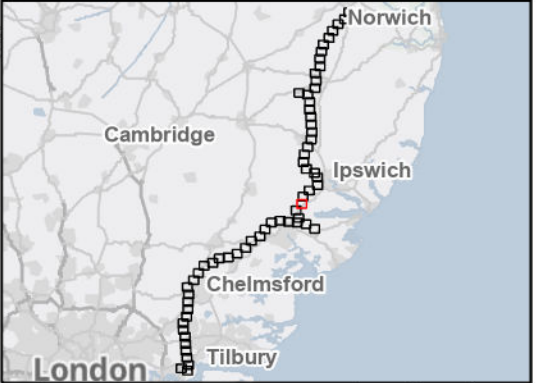
Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



Order limits  
Sheet index outline  
**Proposed permanent design details**  
Proposed underground cable alignment  
Proposed cable permanent access (no physical works)  
Proposed permanent road widening  
Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent  
Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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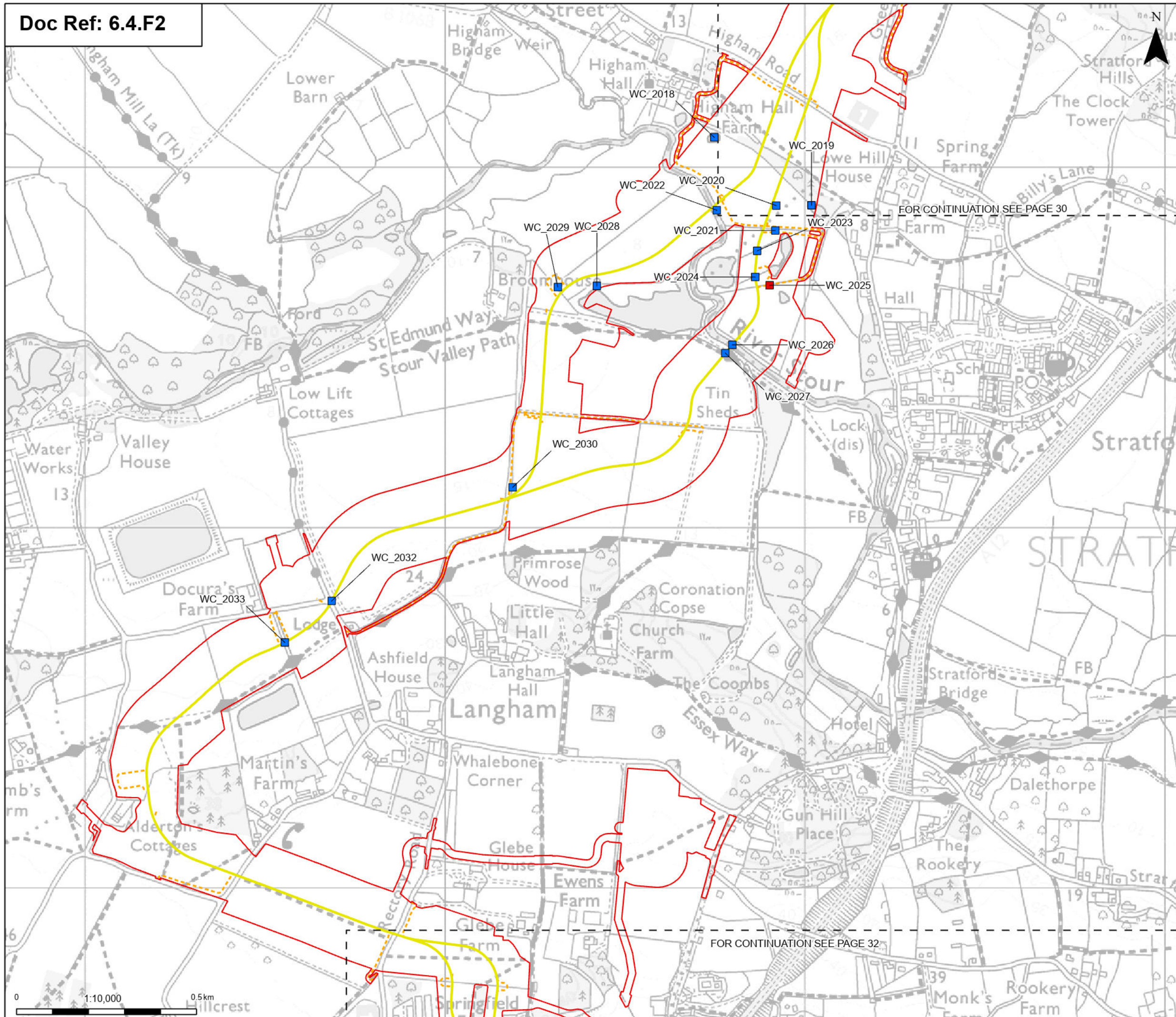
B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB
Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
**nationalgrid** Norwich to Tilbury  
Planning Inspectorate App Number: EN020027  
Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section C Page 30 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage  
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206  
Revision: B



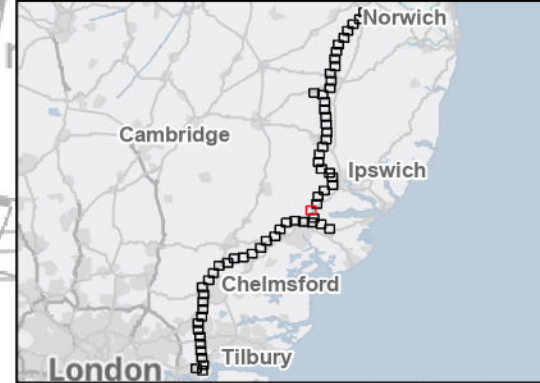
**Order limits**  
 Sheet index outline

**Proposed permanent design details**

- Proposed underground cable alignment
- Proposed cable permanent access (no physical works)
- Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
- Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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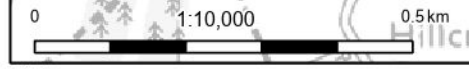
Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

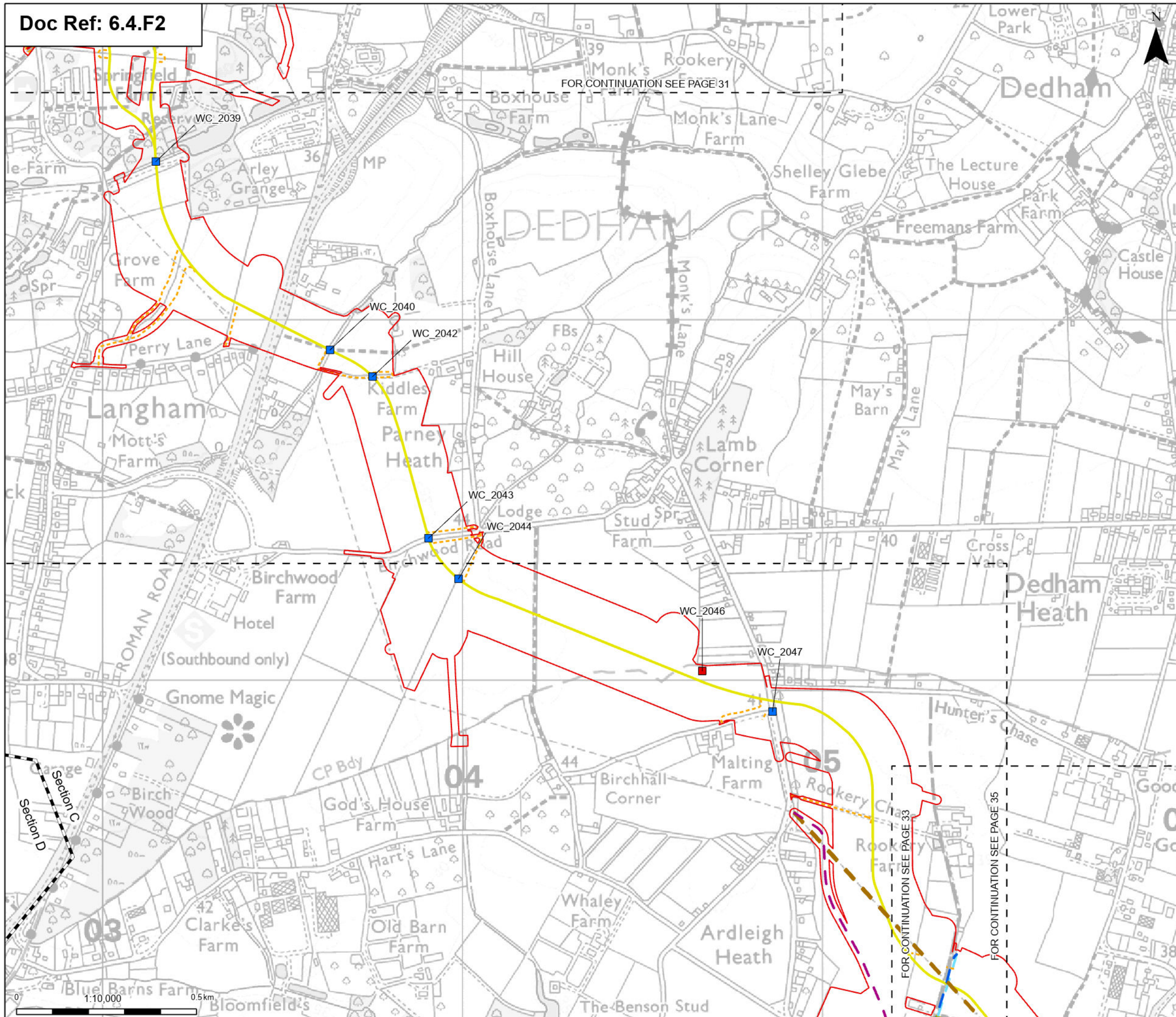
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section C Page 31 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206  
 Revision: **B**





**Order limits**

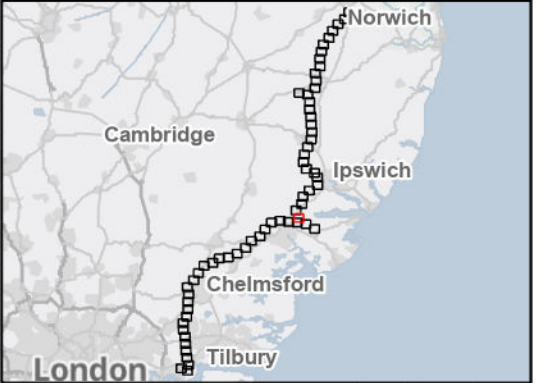
- Project section line
- Sheet index outline

**Proposed permanent design details**

- Proposed underground cable alignment
- Proposed permanent access (no physical works)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Proposed cable permanent access (no physical works)
- Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
- Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

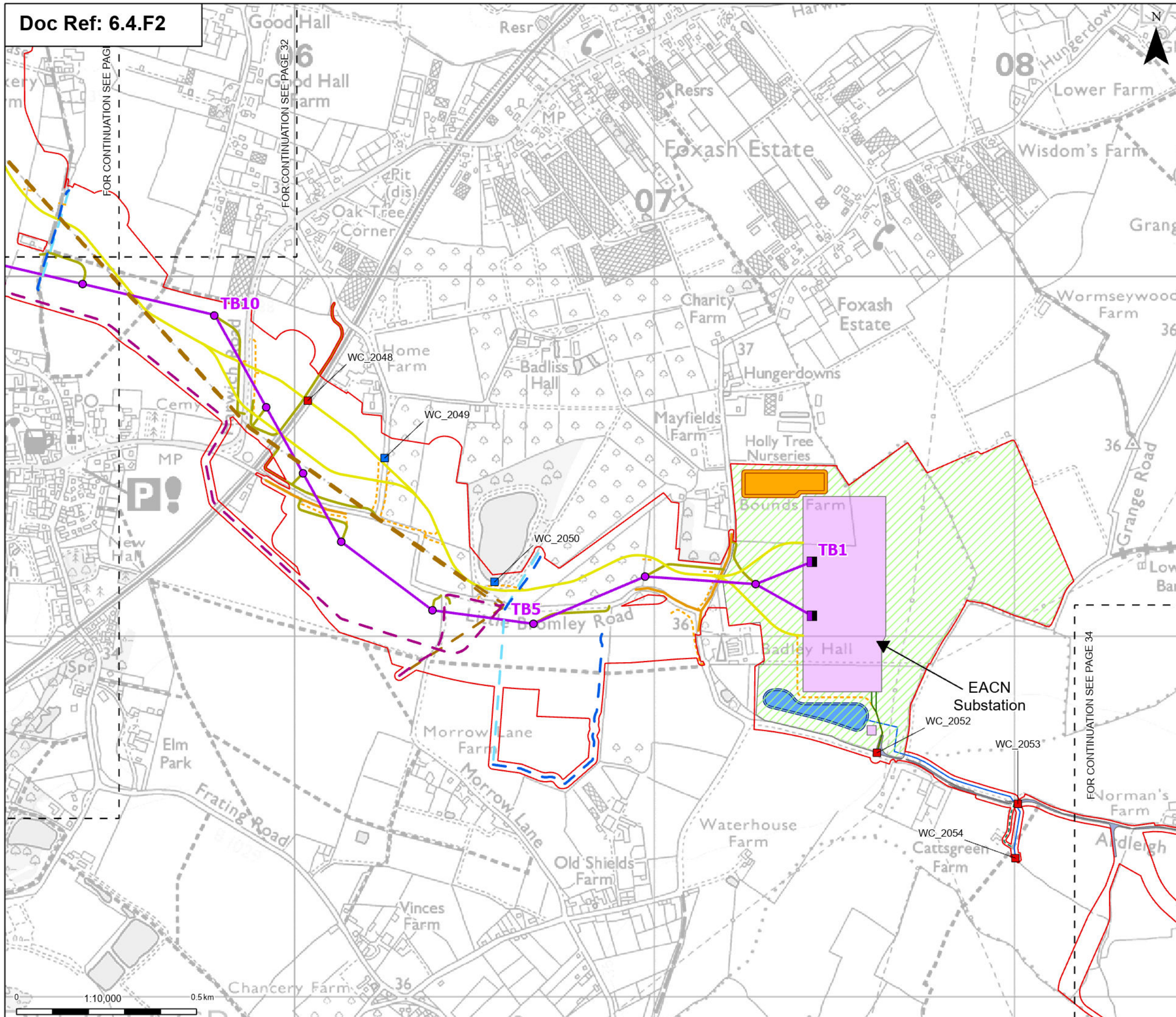
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections C and D Page 32 of 63**

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

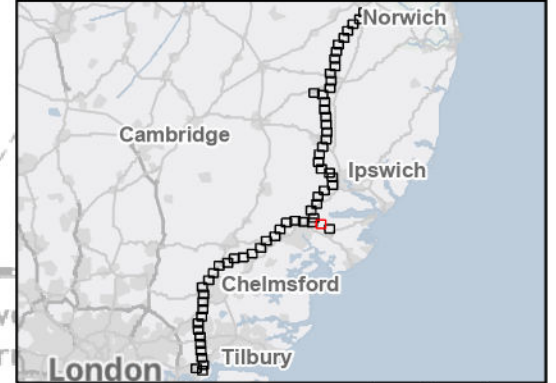
Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



- Order limits
  - Sheet index cutline
  - Proposed full line tension gantry
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed underground cable alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed DNO Substation
  - Proposed East Anglia Connection Node (EACN) Substation
  - Proposed Environmental Areas - Permanent
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - Proposed permanent drainage access route
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - Proposed cable permanent access (no physical works)
  - Proposed permanent spoil bund hatch
  - Proposed permanent road widening
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

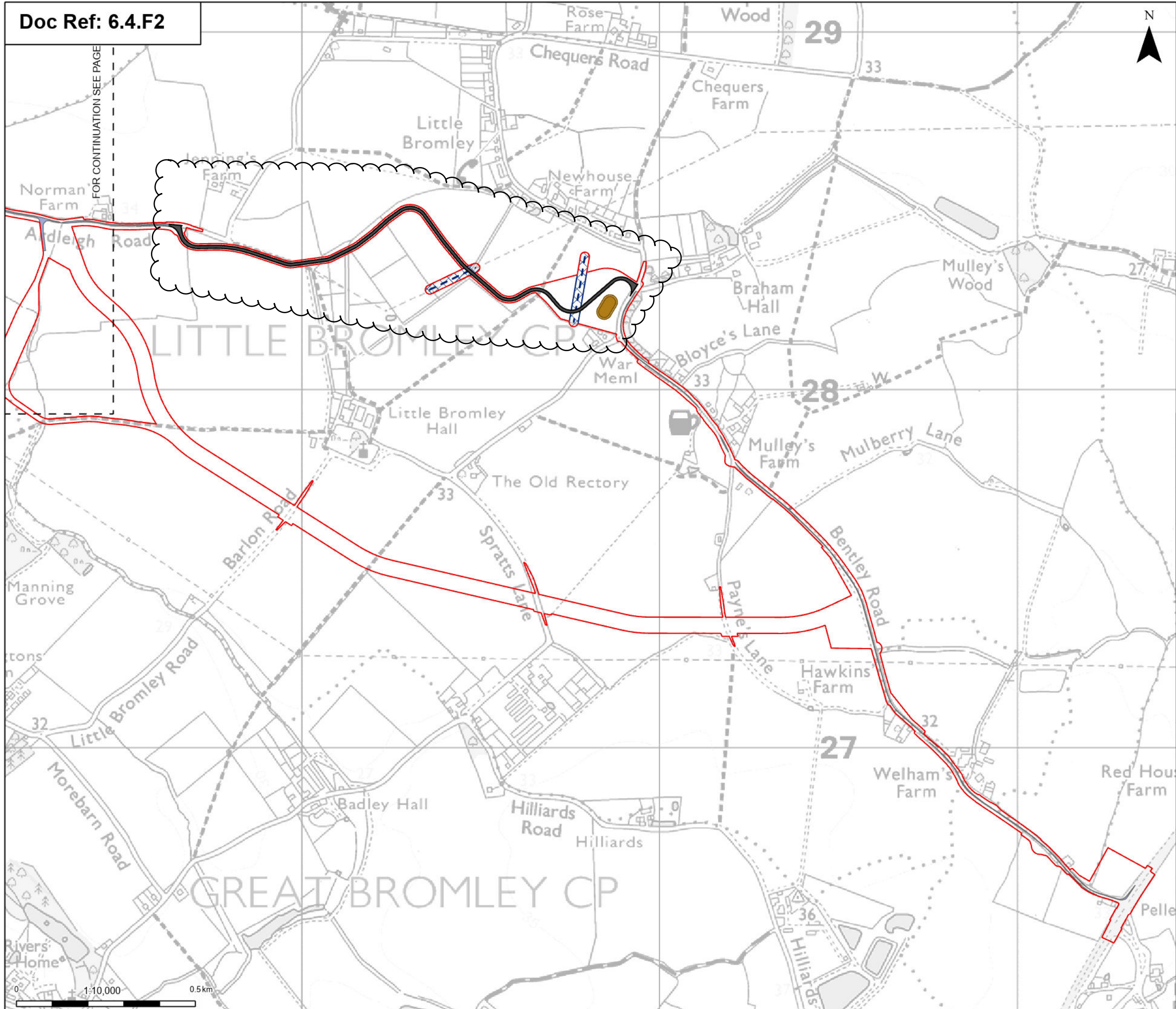
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section C Page 33 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



**Order limits**

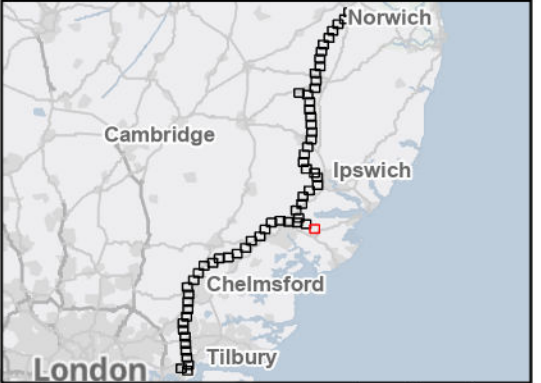
**Sheet index outline**

**Proposed permanent design details**

- Proposed permanent road widening
- Proposed permanent access road
- Proposed Permanent infiltration drainage feature
- Proposed EACN Access UKPN Uplifting
- Proposed EACN Access UKPN Pole Uplifting Buffer

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

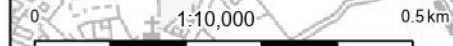
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section C**  
 Page 34 of 63

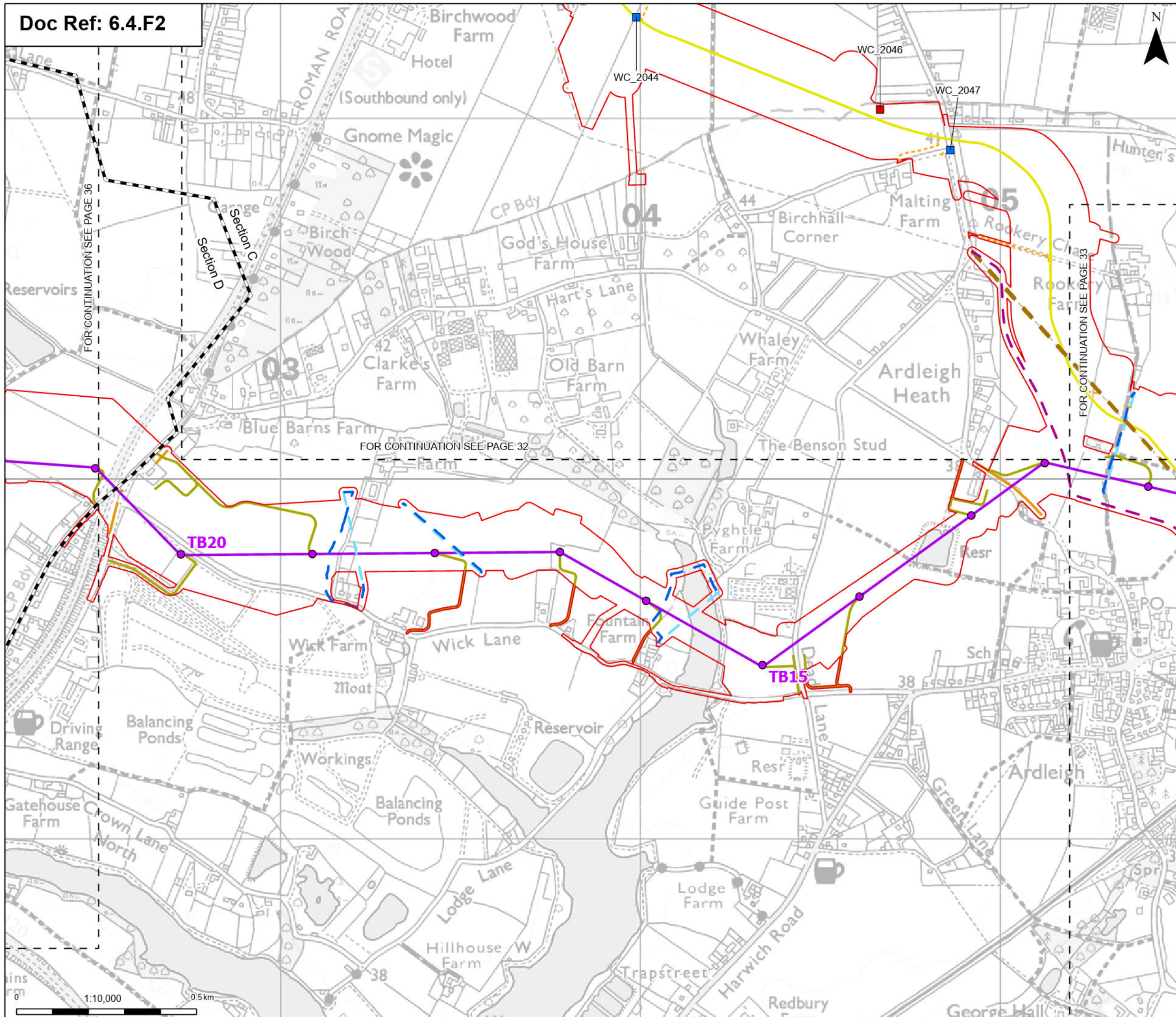
Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

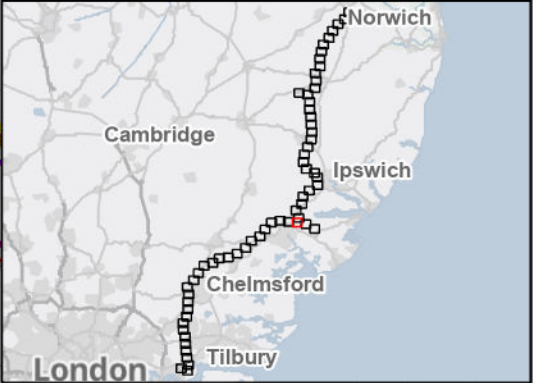
Revision:  
**B**





- Order limits
  - Project section line
  - Sheet index cutline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed underground cable alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - - - Proposed cable permanent access (no physical works)
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

Planning Inspectorate App Number: EN020027  
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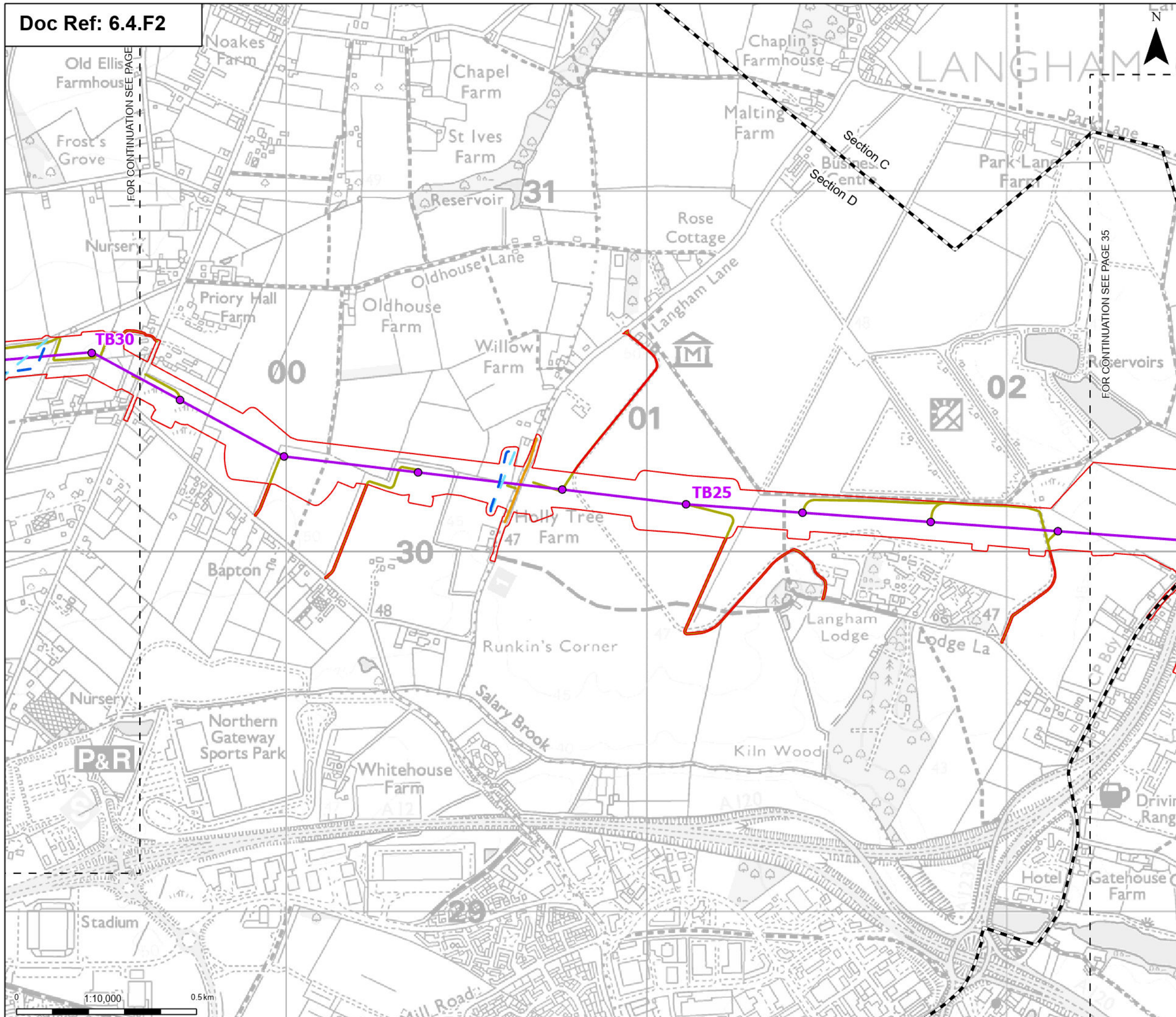
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections C and D**  
 Page 35 of 63

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

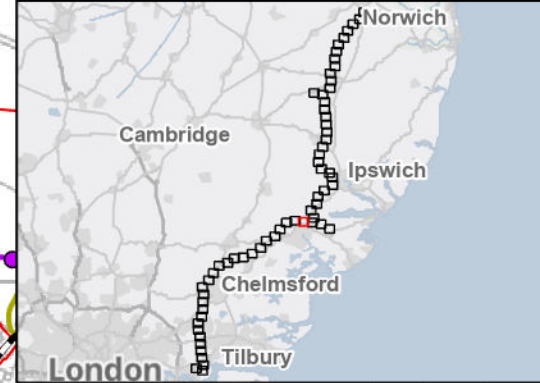
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 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



- Order limits
  - Project section line
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections C and D Page 36 of 63**

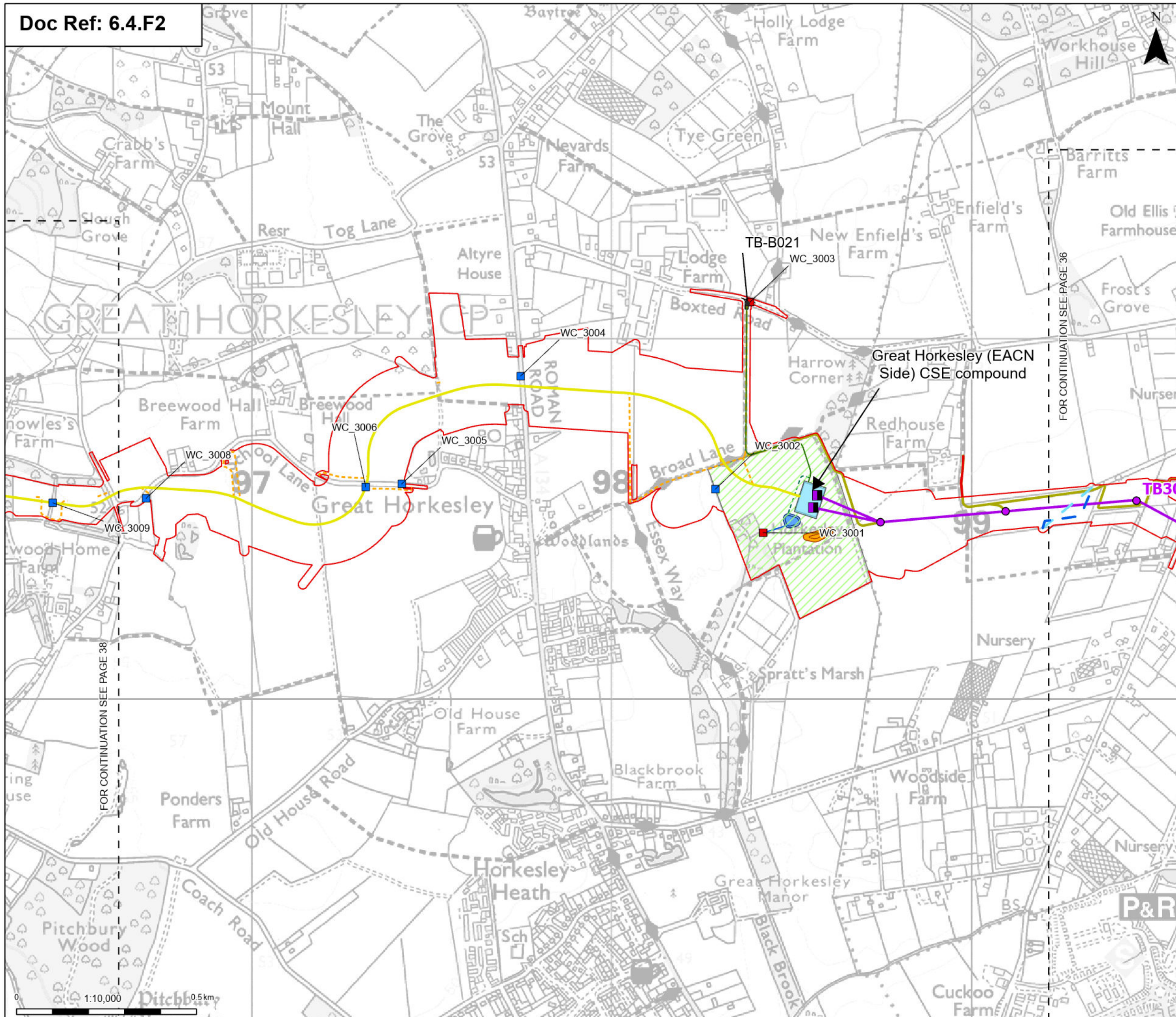
Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

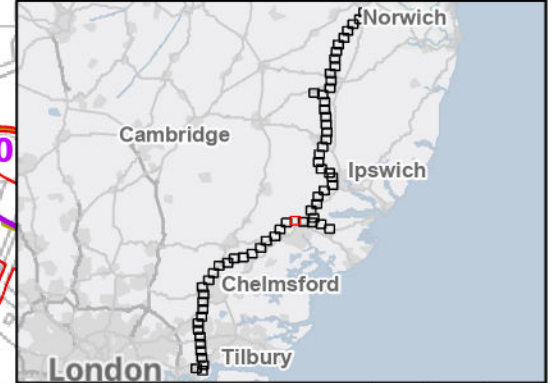
Revision:  
**B**





- Order limits
  - Sheet index cutline
  - Proposed permanent design details**
  - Proposed full line tension gantry
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed underground cable alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed cable sealing end (CSE) compound
  - Proposed Environmental Areas - Permanent
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - Proposed permanent drainage access route
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed cable permanent access (no physical works)
  - Proposed permanent spoil bund hatch
  - Proposed permanent site access points
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

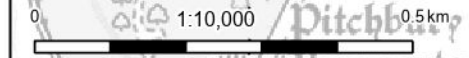
Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

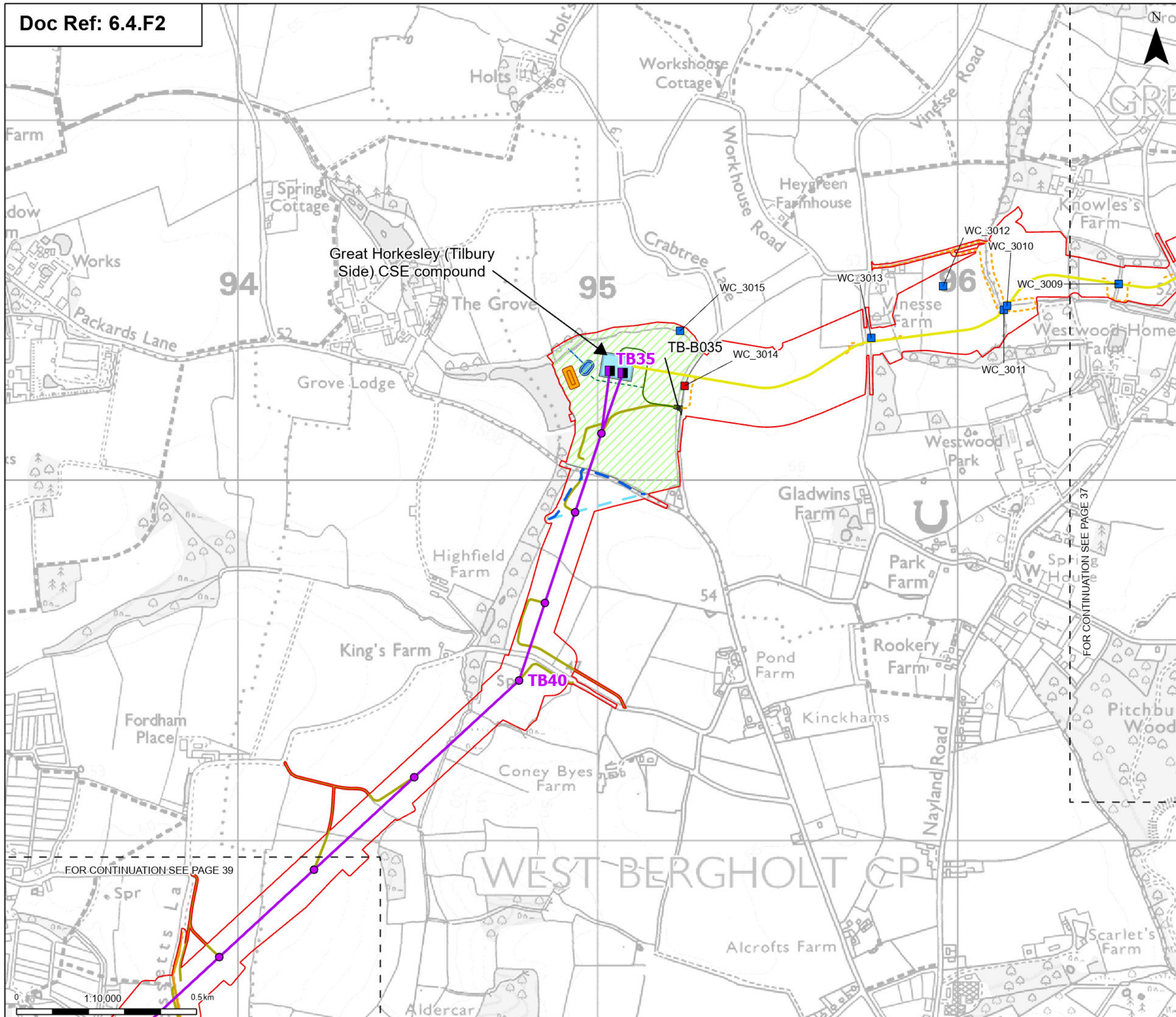
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section D Page 37 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

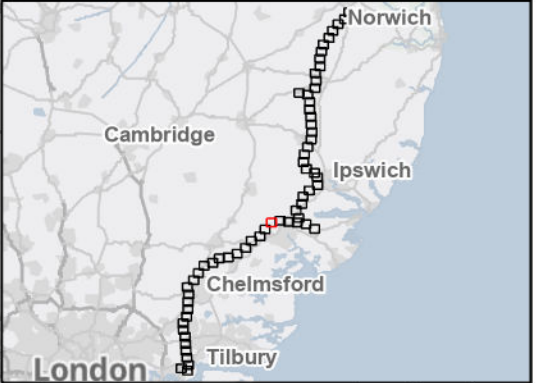
Drawing Number:	10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision:	B
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- Order limits
- - - Sheet index cutline
- Proposed permanent design details**
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed cable sealing end (CSE) compound
- ▨ Proposed Environmental Areas - Permanent
- Proposed permanent attenuation drainage channel
- ▭ Proposed permanent attenuation drainage pond
- - - Proposed permanent drainage access route
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- - - Proposed cable permanent access (no physical works)
- ▭ Proposed permanent spoil bund hatch
- ▭ Proposed permanent site access points
- ▭ Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
- ▭ Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent

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PROJECT:  
**nationalgrid** Norwich to Tilbury  
 Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section D**  
 Page 38 of 63

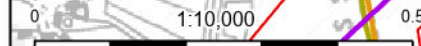
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
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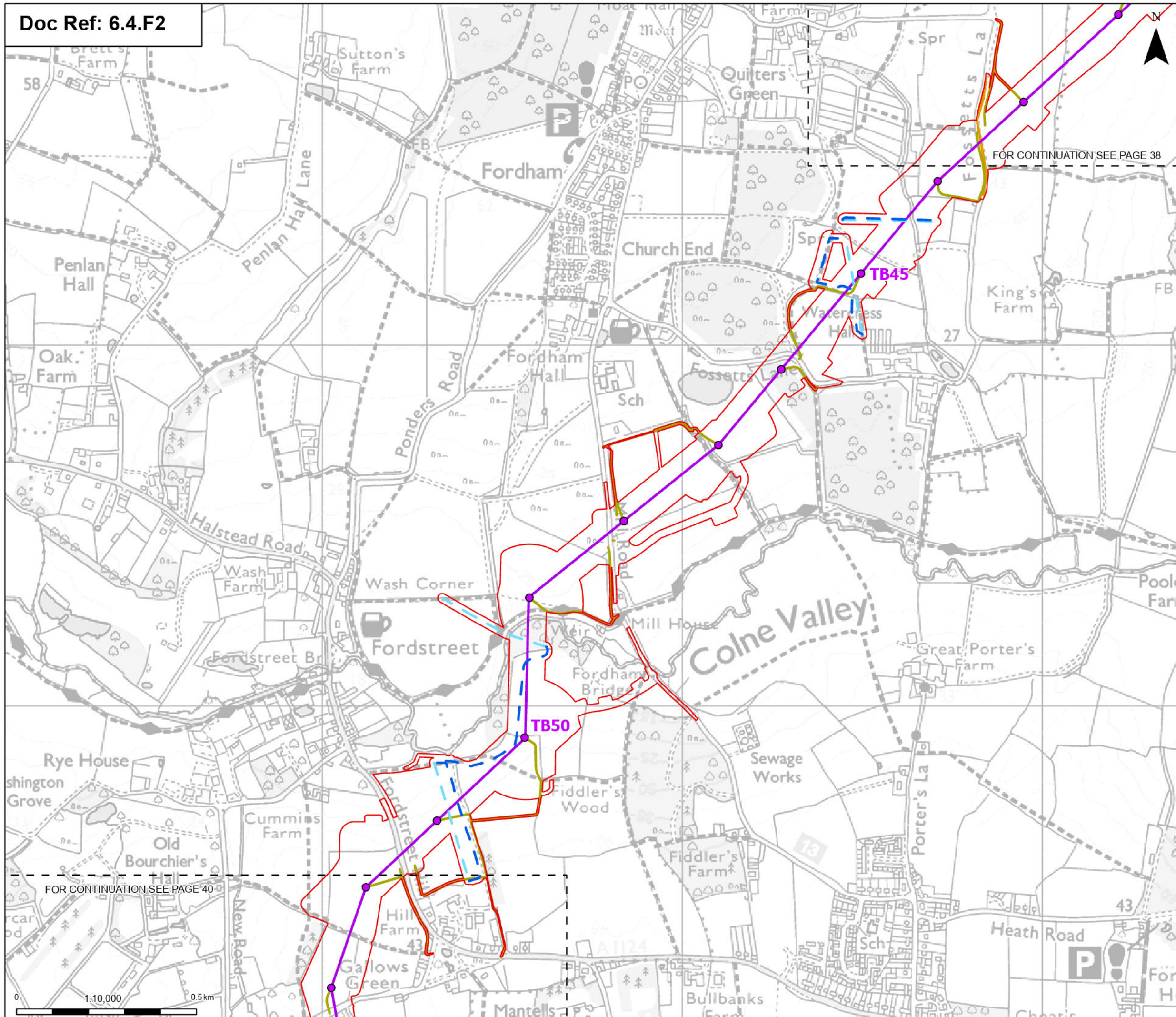
Suitability Description:  
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Drawing Number:  
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 Revision:  
**B**

FOR CONTINUATION SEE PAGE 39

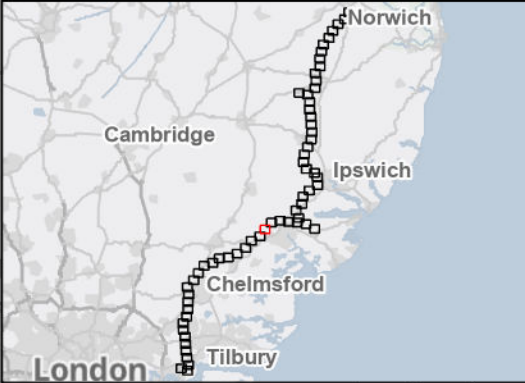
FOR CONTINUATION SEE PAGE 37





- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section D**  
 Page 39 of 63

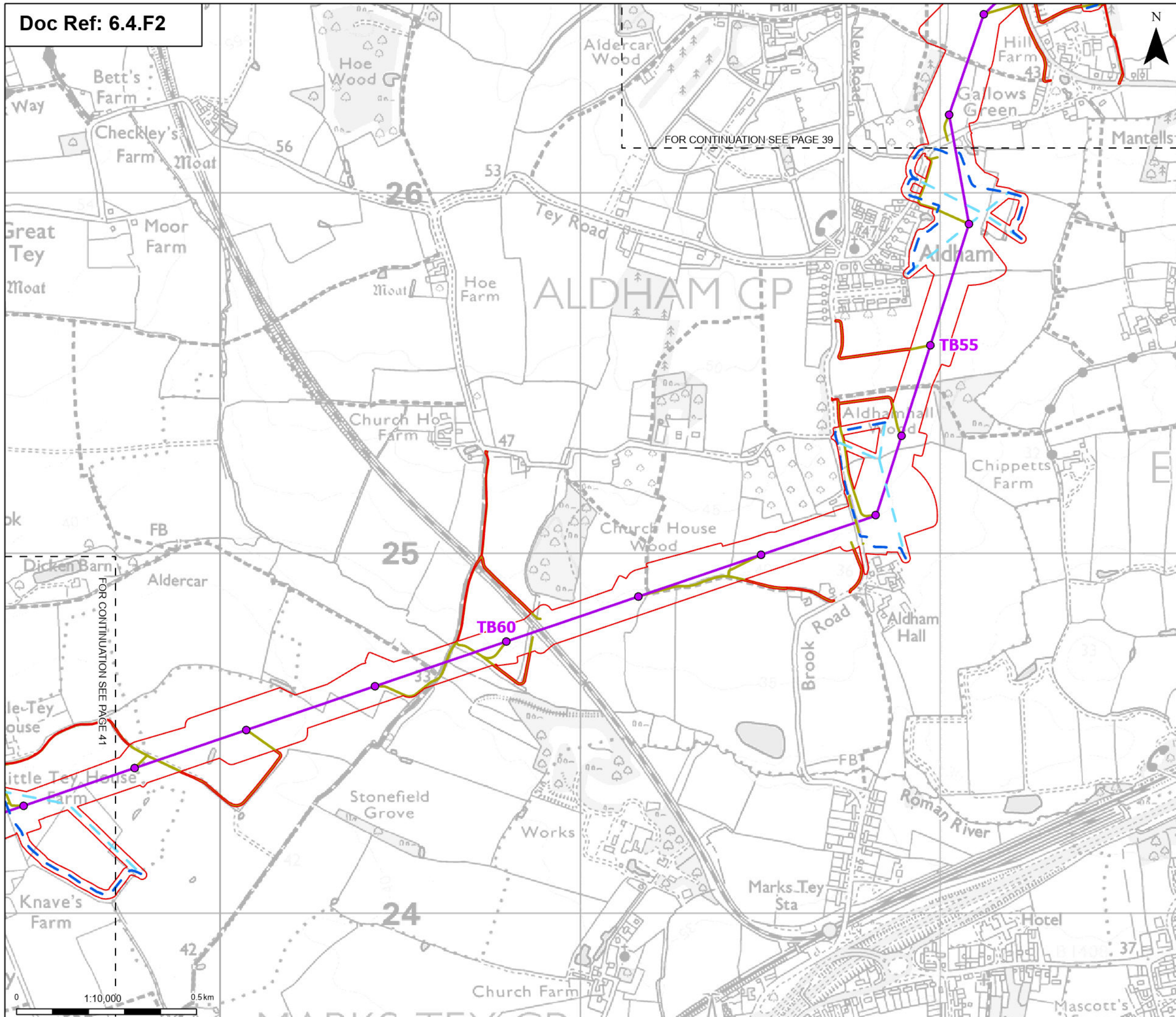
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

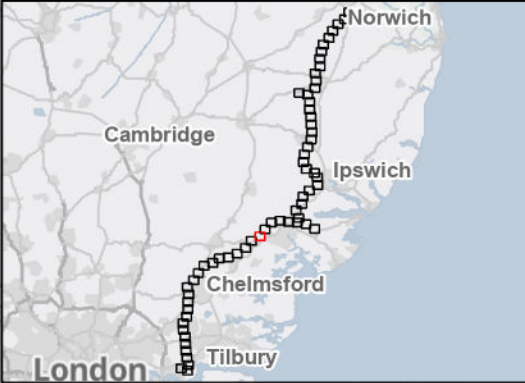
Revision:  
**B**





- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN Pole Mitigation
  - Proposed LV proposed underground cable alignment
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section D**  
 Page 40 of 63

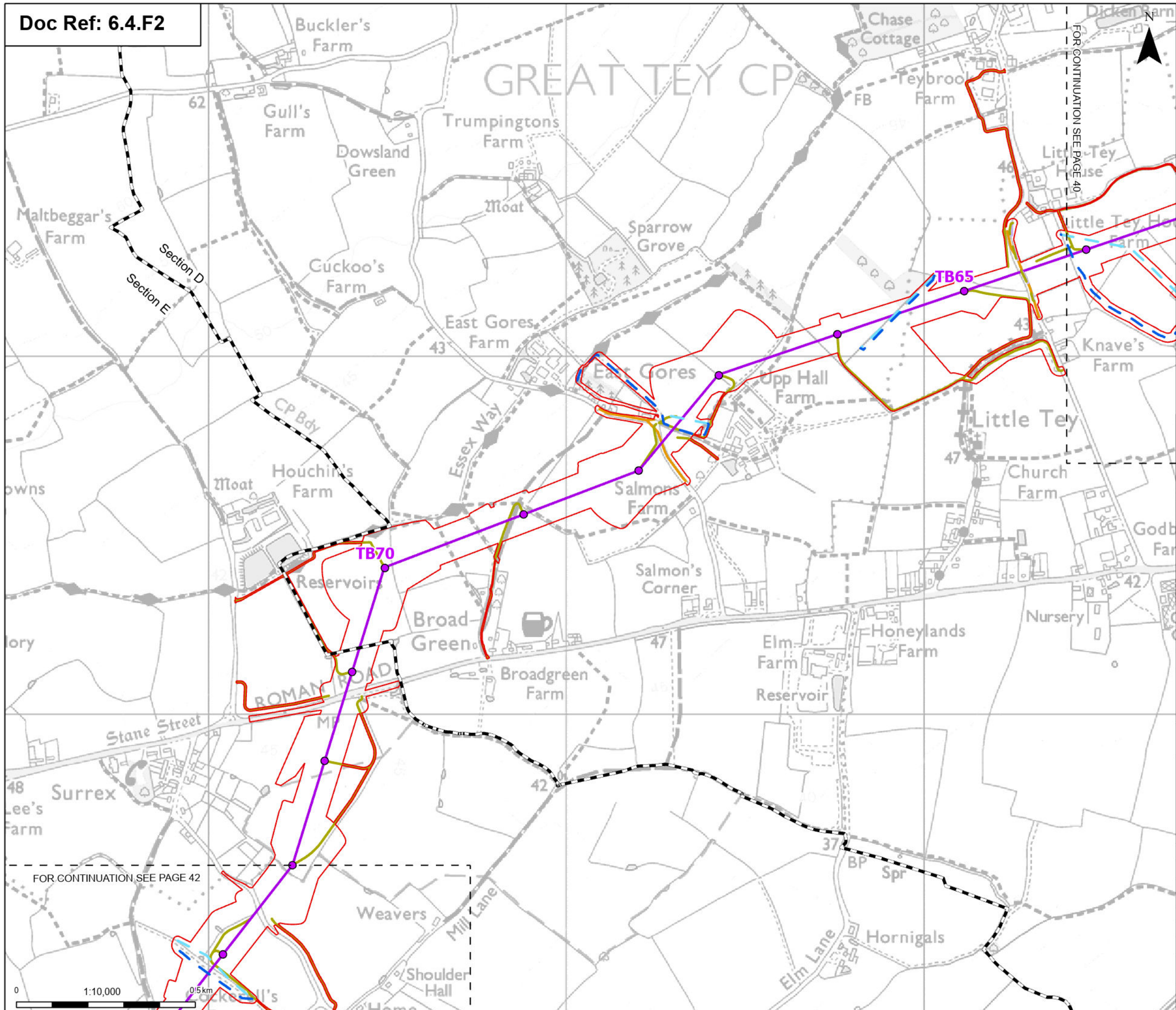
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**





**Order limits**

- Project section line
- Sheet index outline

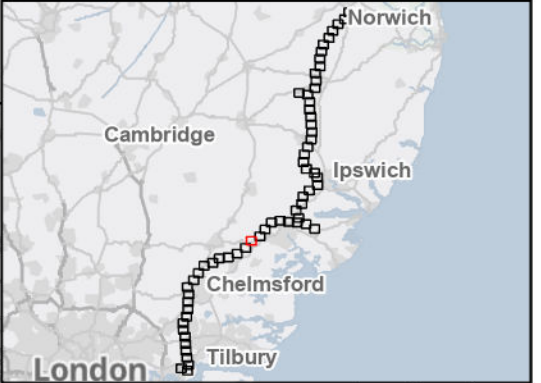
**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed UKPN Pole Mitigation
- Proposed LV proposed underground cable alignment

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

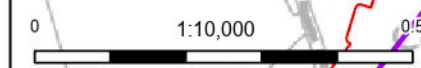
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 Page 41 of 63

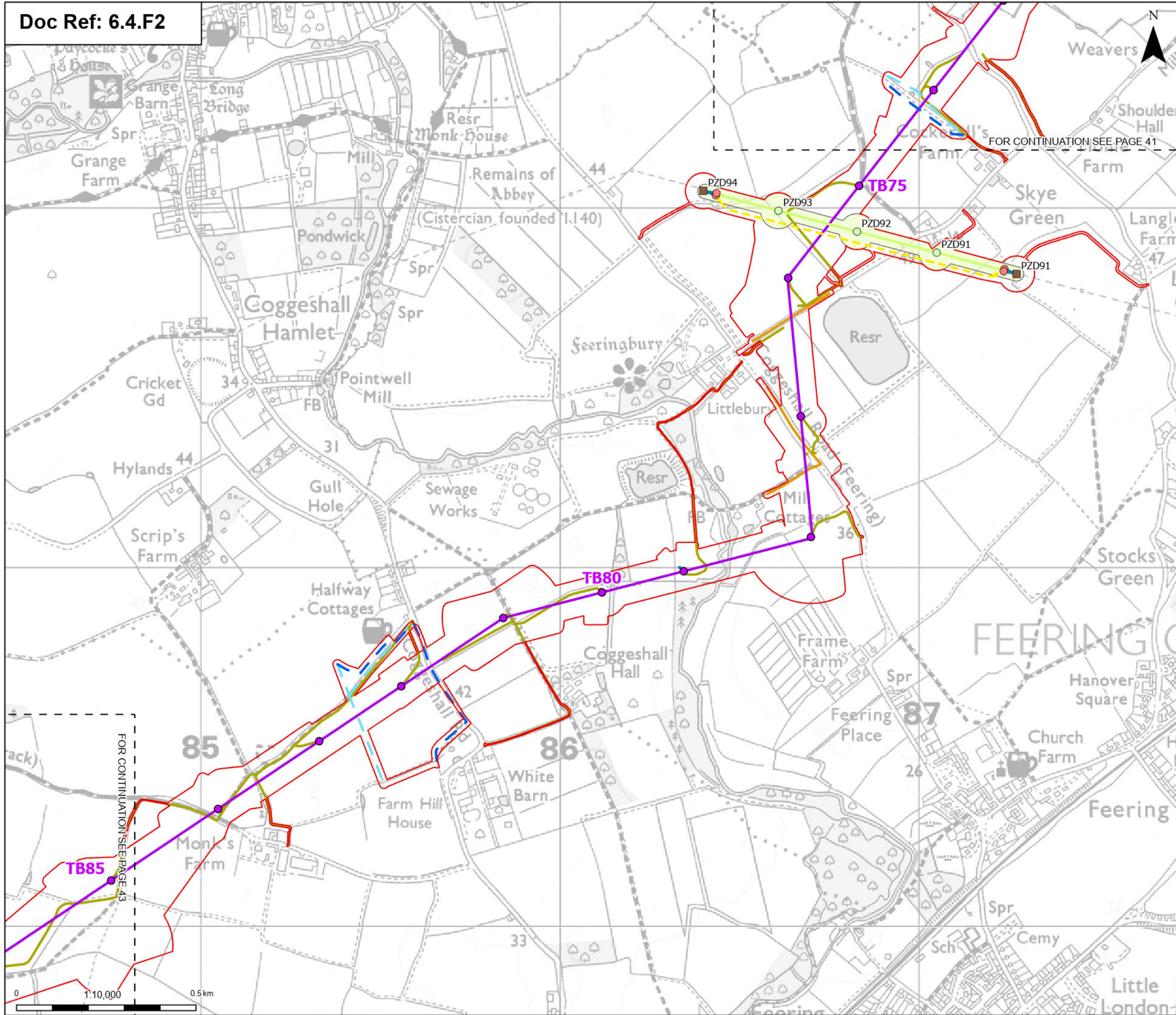
Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**





**Order limits**

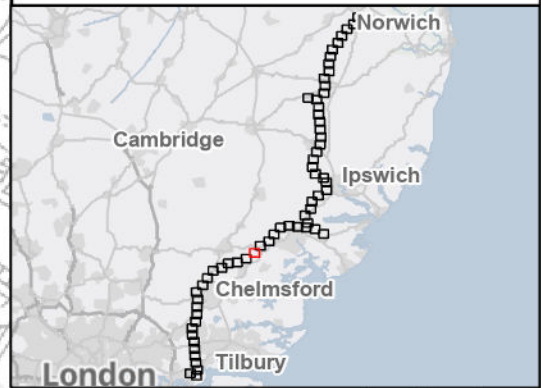
Sheet index outline

**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN OHL New H Pole
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed flood compensation mitigation works
- Proposed UKPN tower dismantle assets
- Proposed UKPN dismantle centreline
- Proposed UKPN Cable Centreline
- Proposed UKPN New Centreline

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

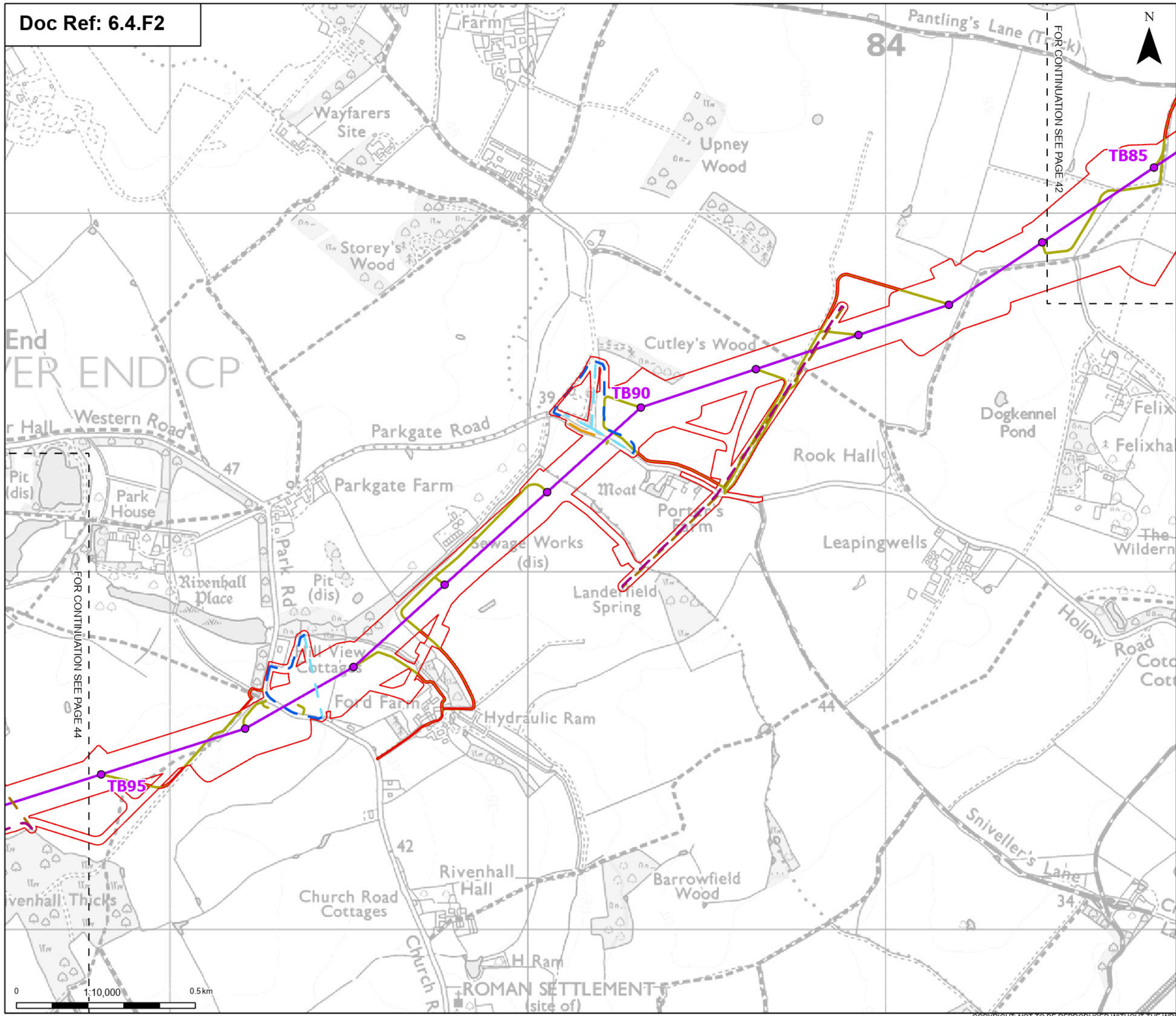
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section E Page 42 of 63**

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



**Order limits**  
 Sheet index outline

**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

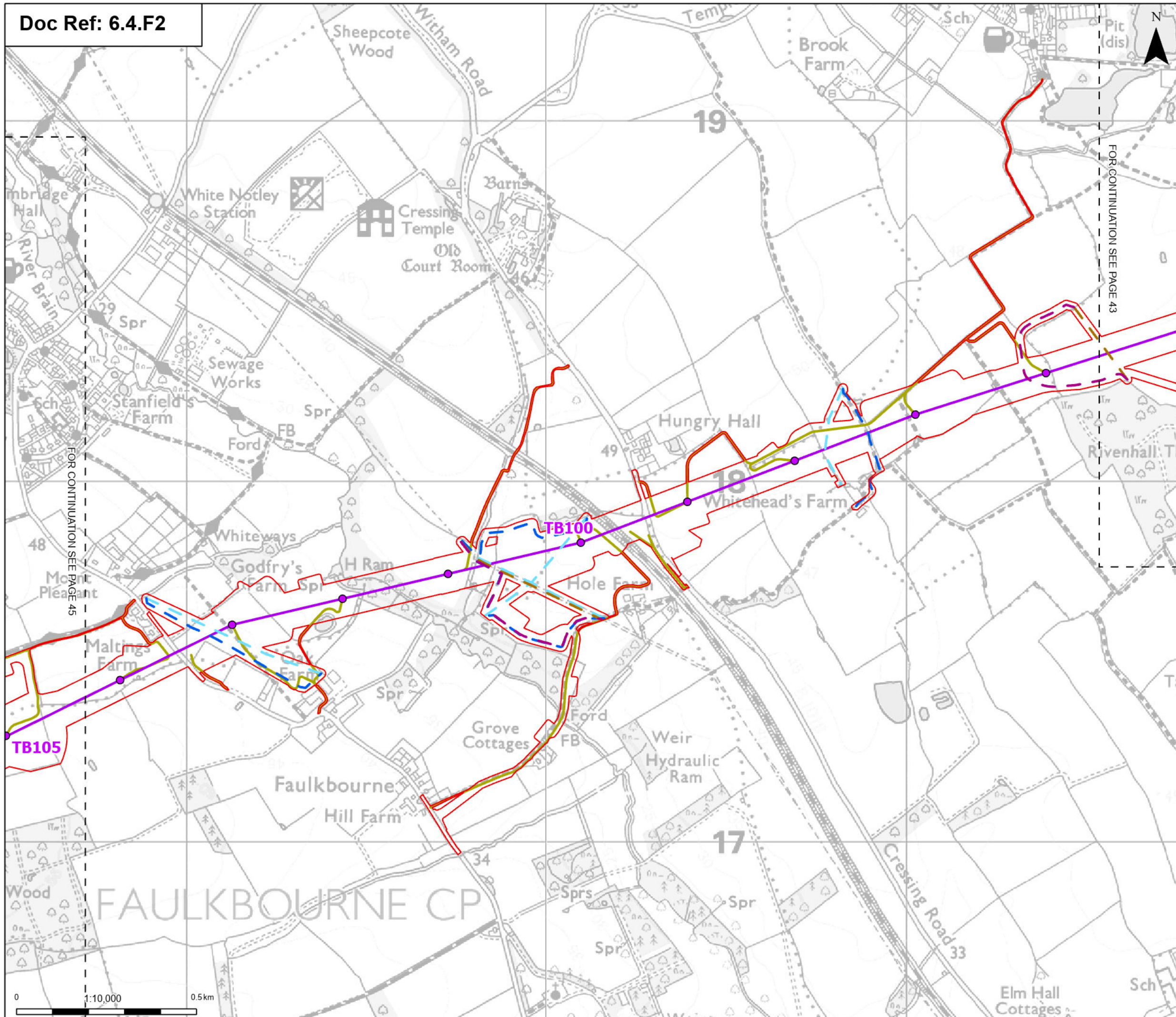
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section E**  
 Page 43 of 63

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

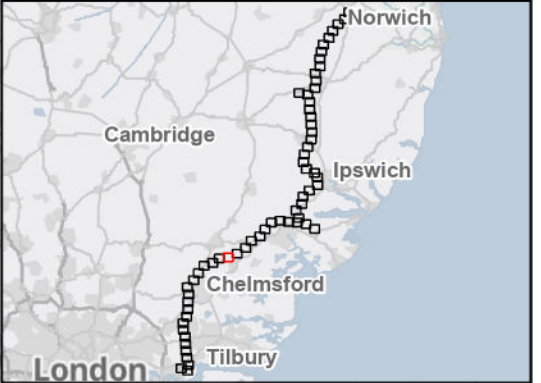
Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section E  
 Page 44 of 63

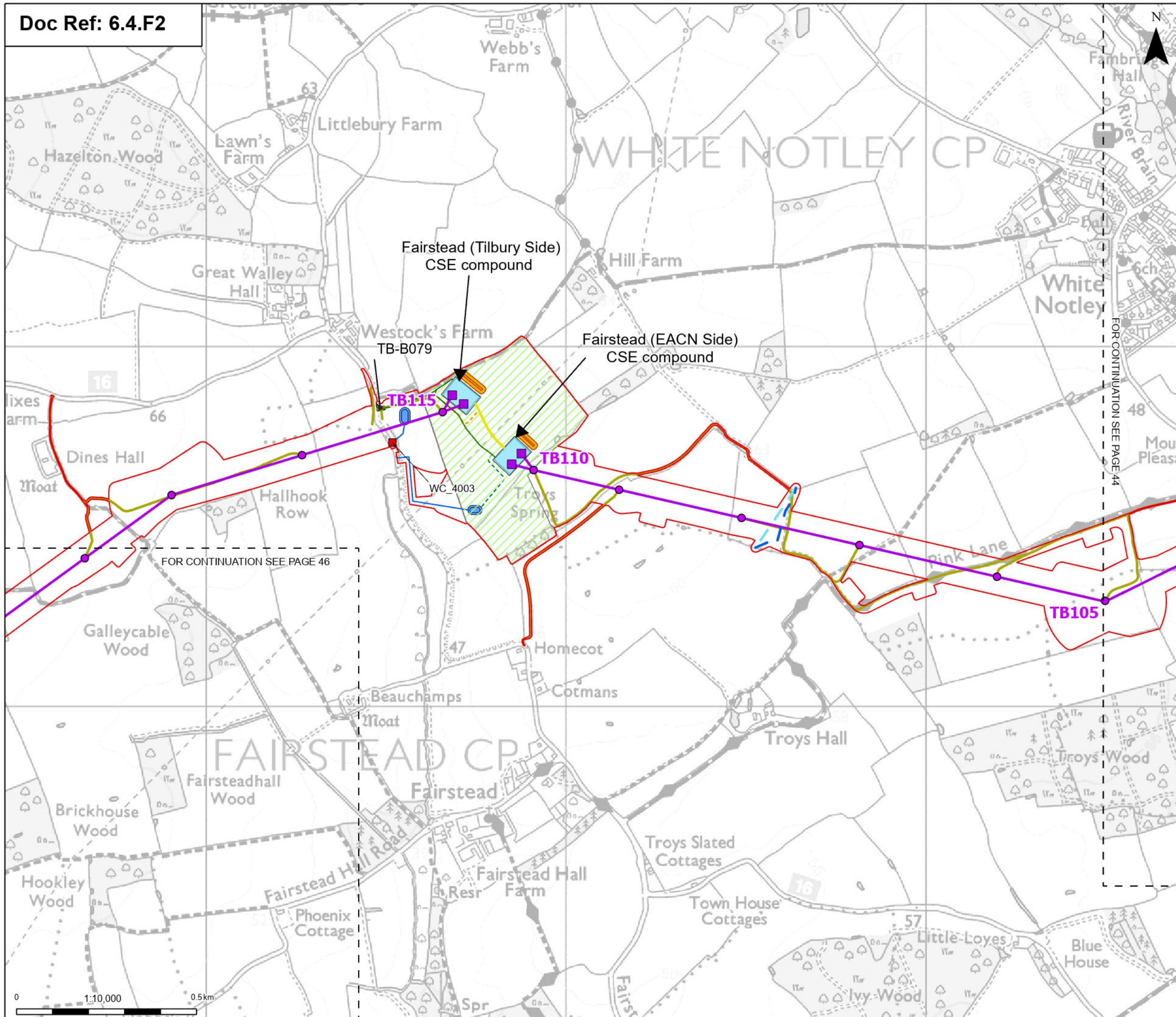
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

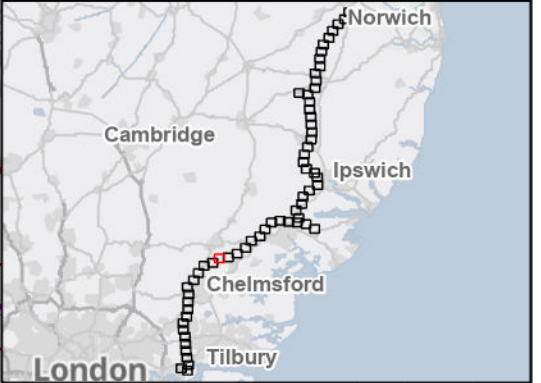
Revision:  
**B**





- Order limits
  - Sheet index cutline
  - Proposed permanent design details**
  - Proposed low duty gantry
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed underground cable alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed cable sealing end (CSE) compound
  - Proposed Environmental Areas - Permanent
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - Proposed permanent drainage access route
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed cable permanent access (no physical works)
  - Proposed permanent spoil bund hatch
  - Proposed permanent site access points
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

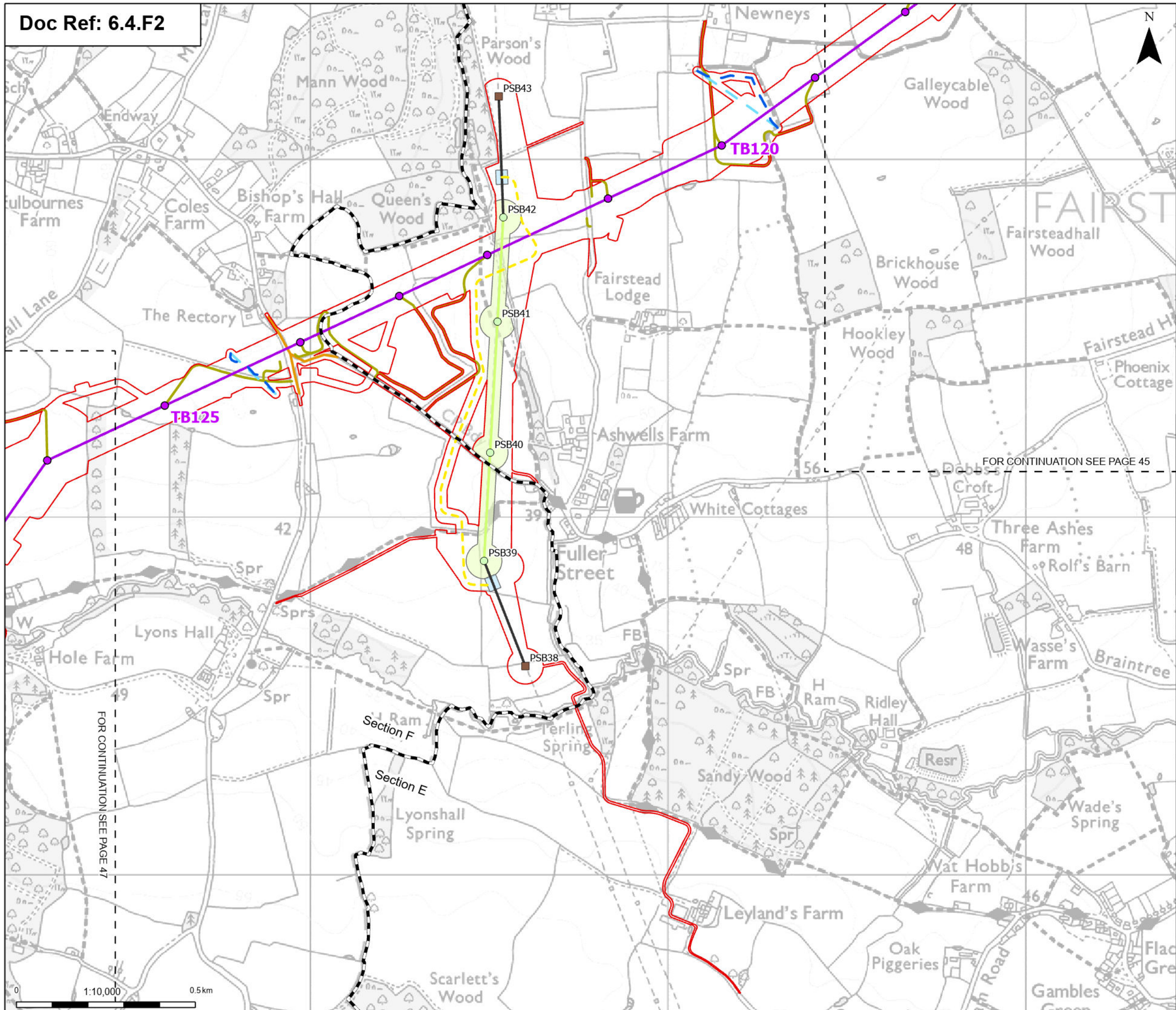
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section E**  
 Page 45 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:	10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision:	B
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**Order limits**

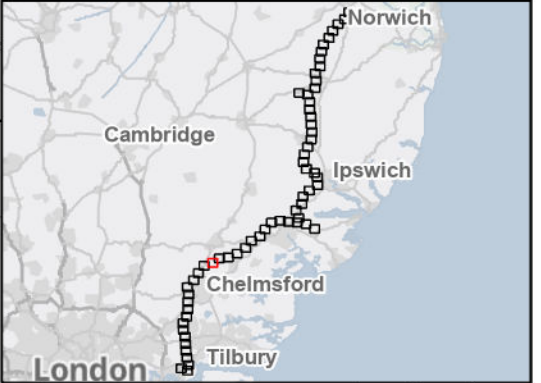
- Project section line
- Sheet index outline

**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed UKPN cable sealing end platform
- Proposed UKPN tower dismantle assets
- Proposed UKPN dismantle centreline
- Proposed UKPN existing centreline (modified)
- Proposed UKPN Cable Centreline

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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Rev	Date	Description	Drawn	Check	Approv
B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

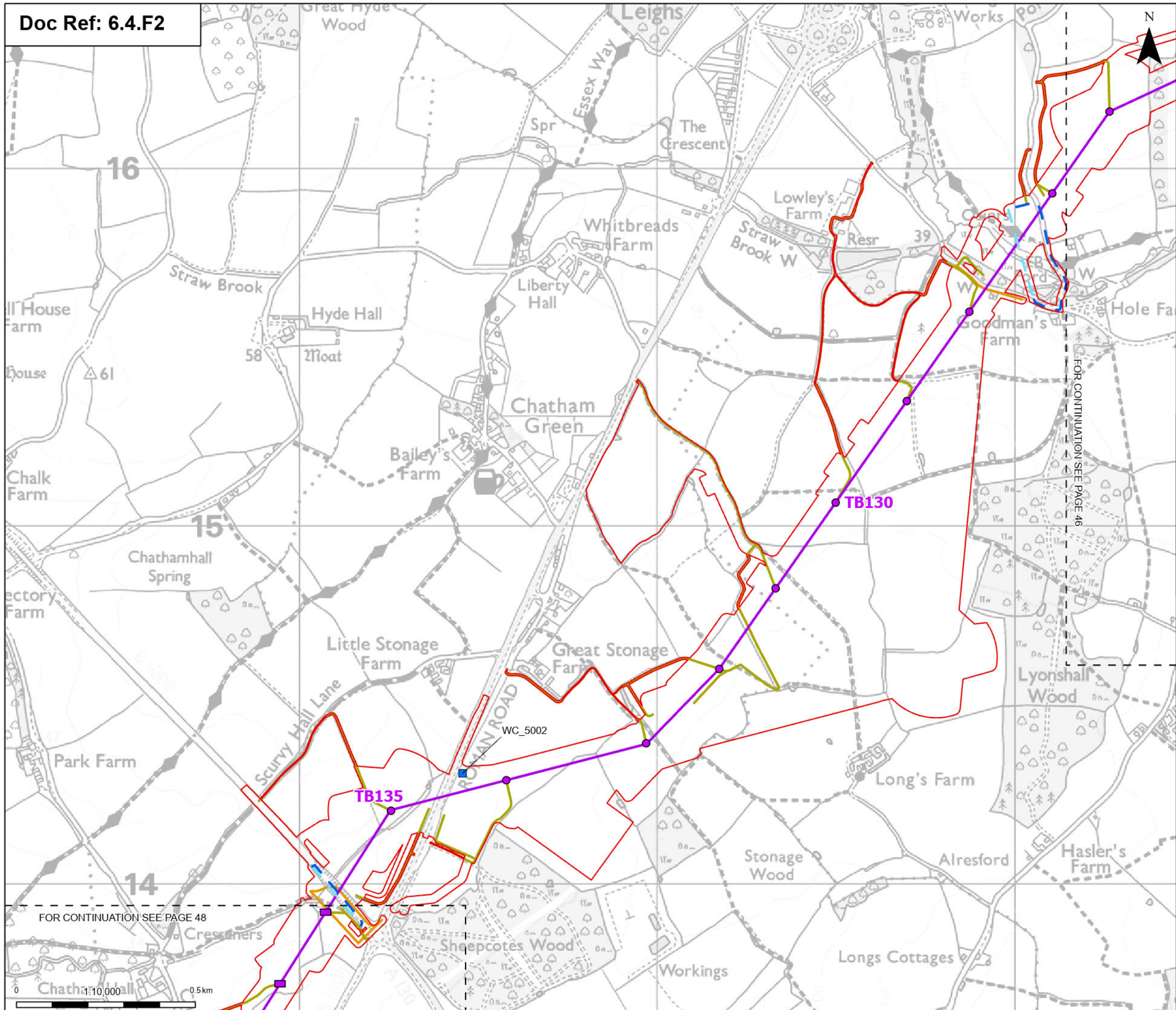
PROJECT:  
**nationalgrid** Norwich to Tilbury  
 Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections E and F**  
 Page 46 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: <b>B</b>
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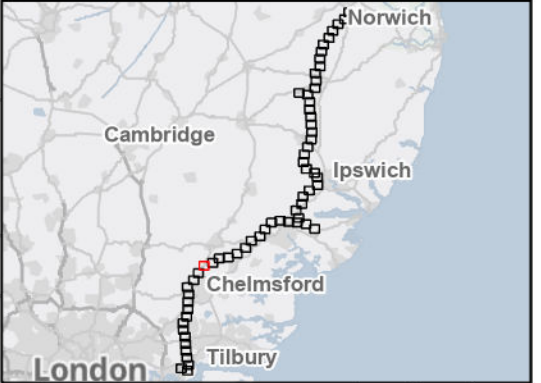


**Order limits**  
 Sheet index outline  
**Proposed permanent design details**

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary and permanent

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

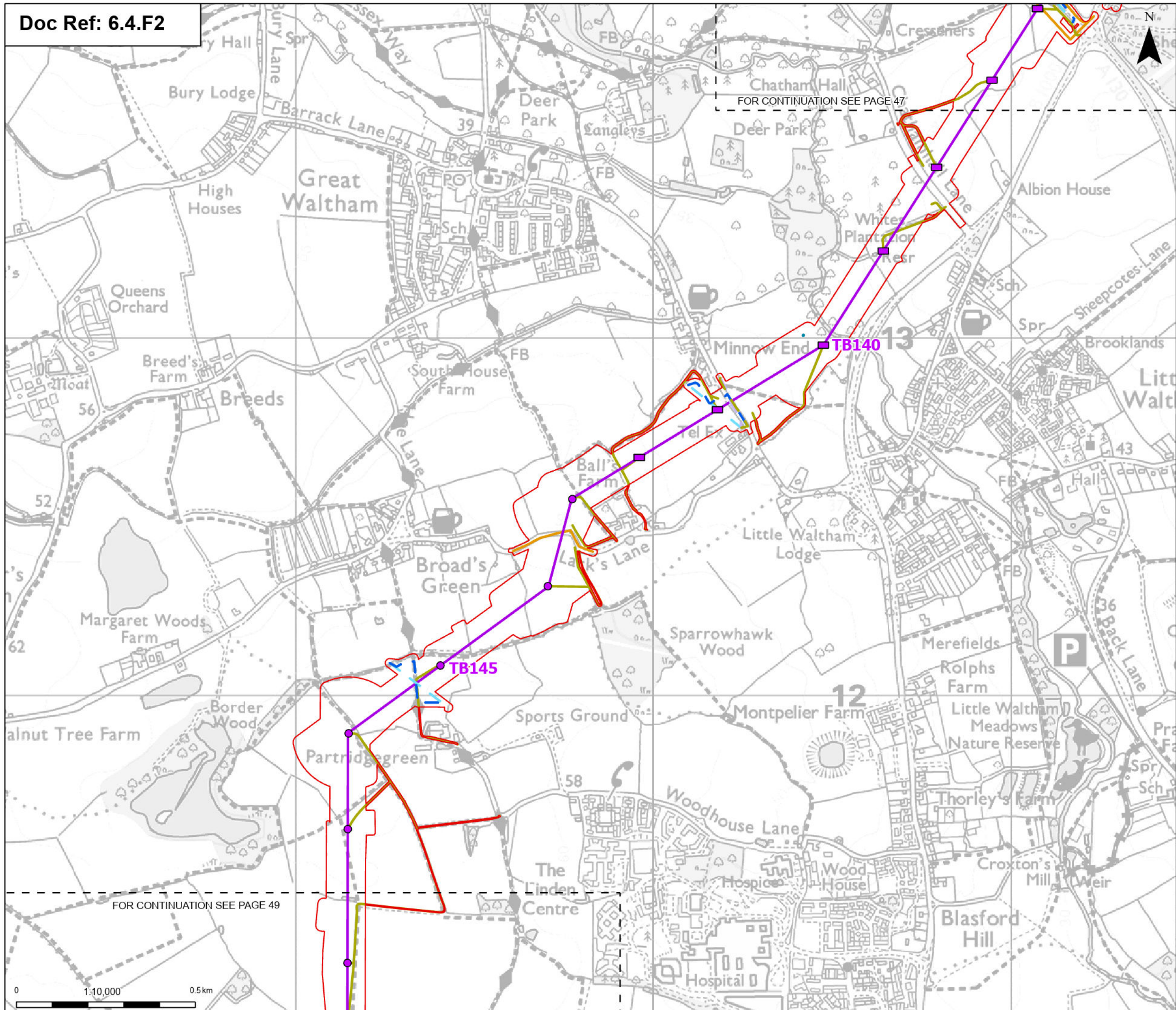
Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section F Page 47 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

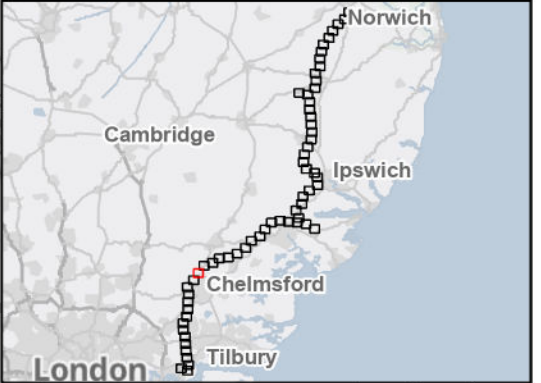
Suitability Description:  
 Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: B
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- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed low height pylon location
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN Pole Mitigation
  - Proposed LV proposed underground cable alignment
  - Proposed flood compensation mitigation works
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section F Page 48 of 63**

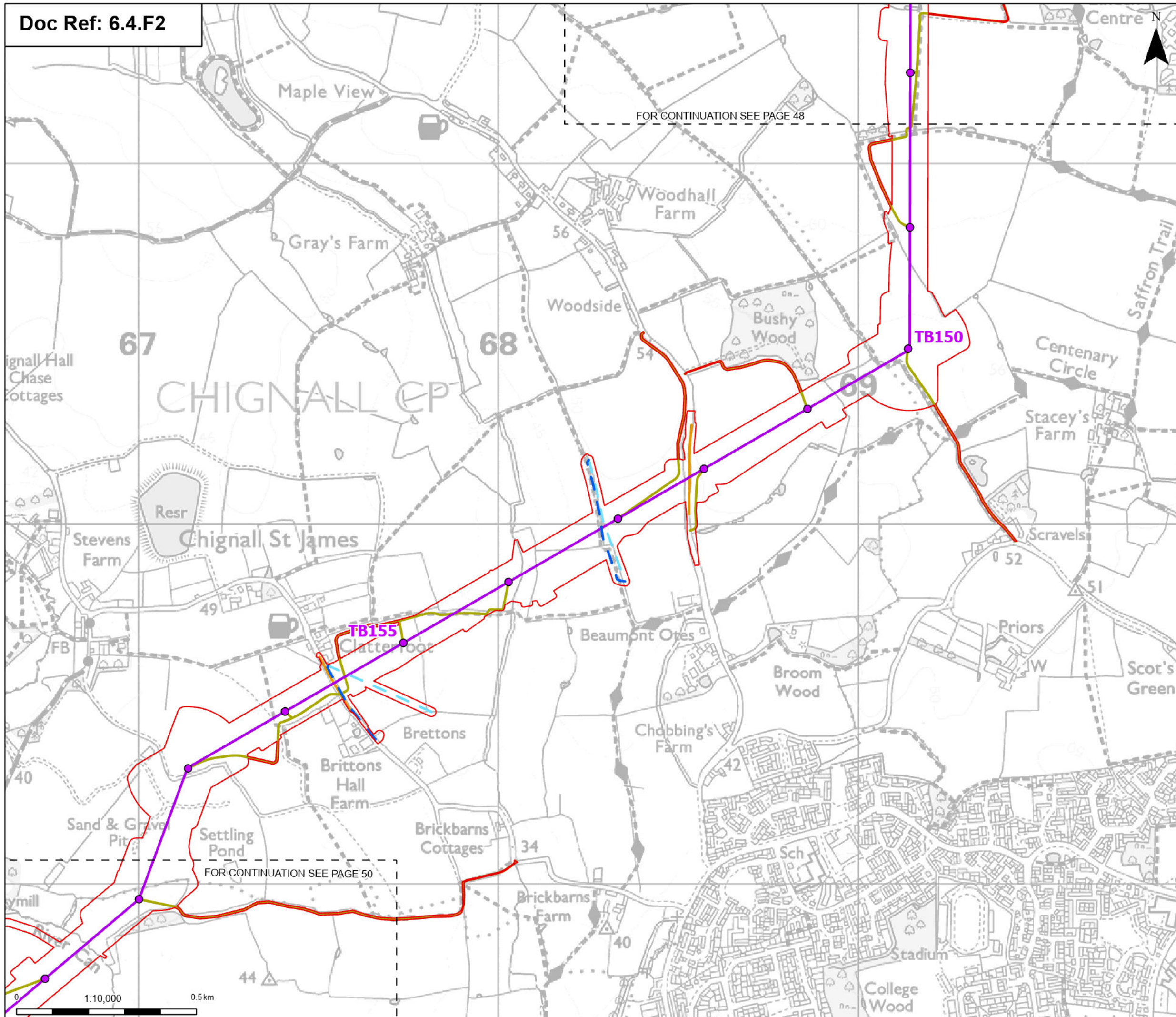
Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

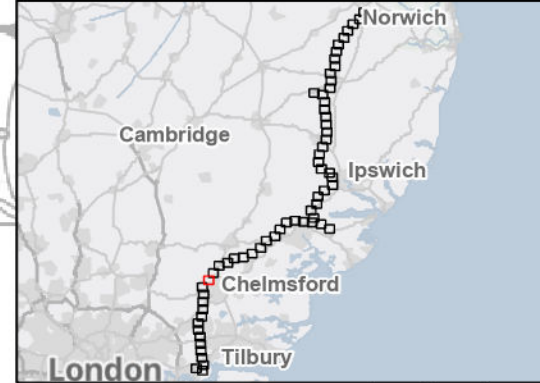
Revision:  
**B**





- Order limits
- Sheet index outline
- Proposed permanent design details**
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

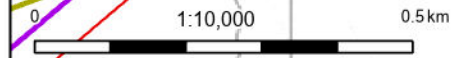
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section F**  
 Page 49 of 63

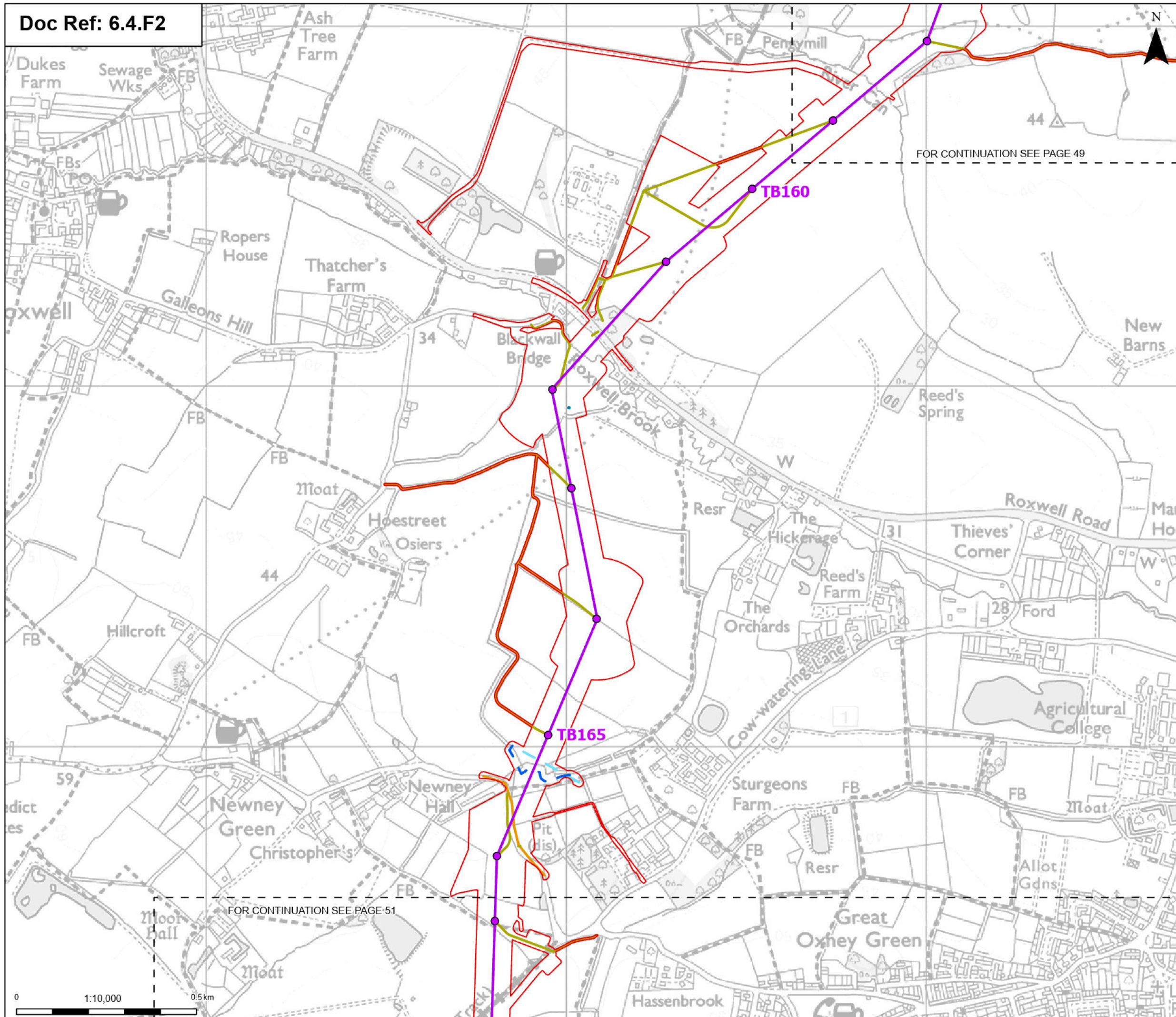
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



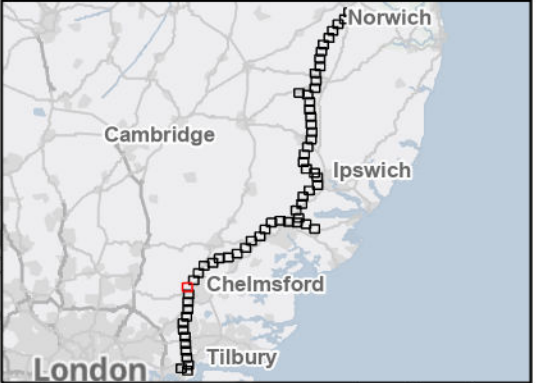


- Order limits
  - Sheet index cutline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed flood compensation mitigation works
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

FOR CONTINUATION SEE PAGE 49

FOR CONTINUATION SEE PAGE 51

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section F Page 50 of 63**

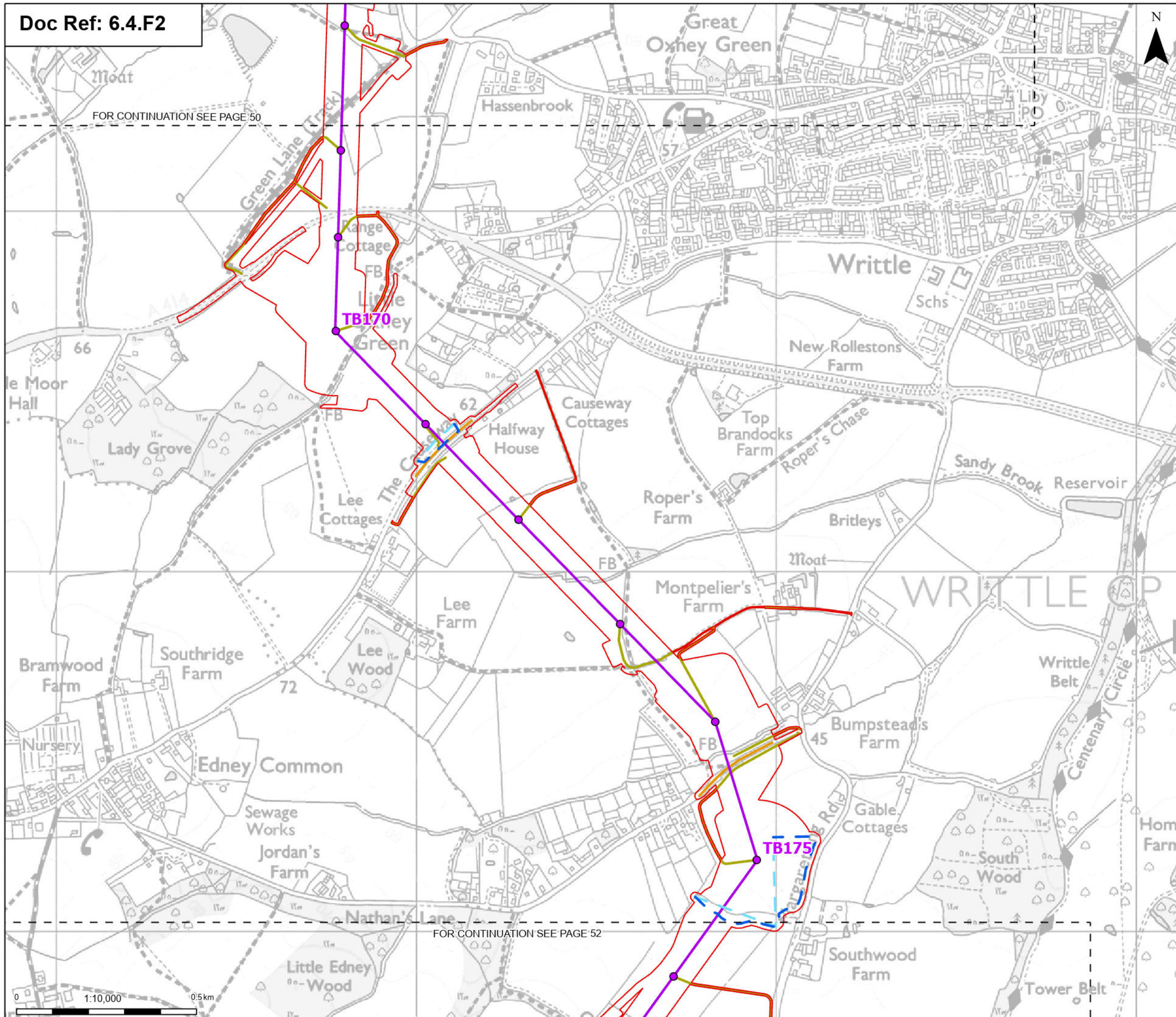
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

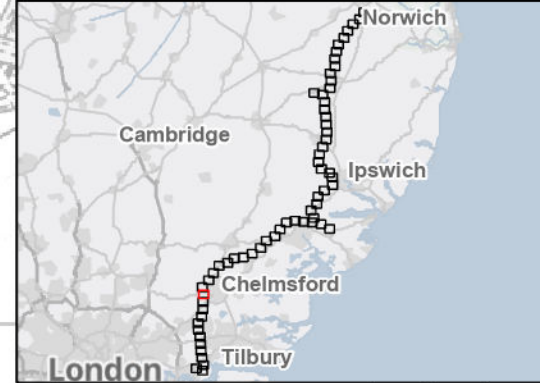
Revision:  
**B**





- Order limits
- Sheet index outline
- Proposed permanent design details**
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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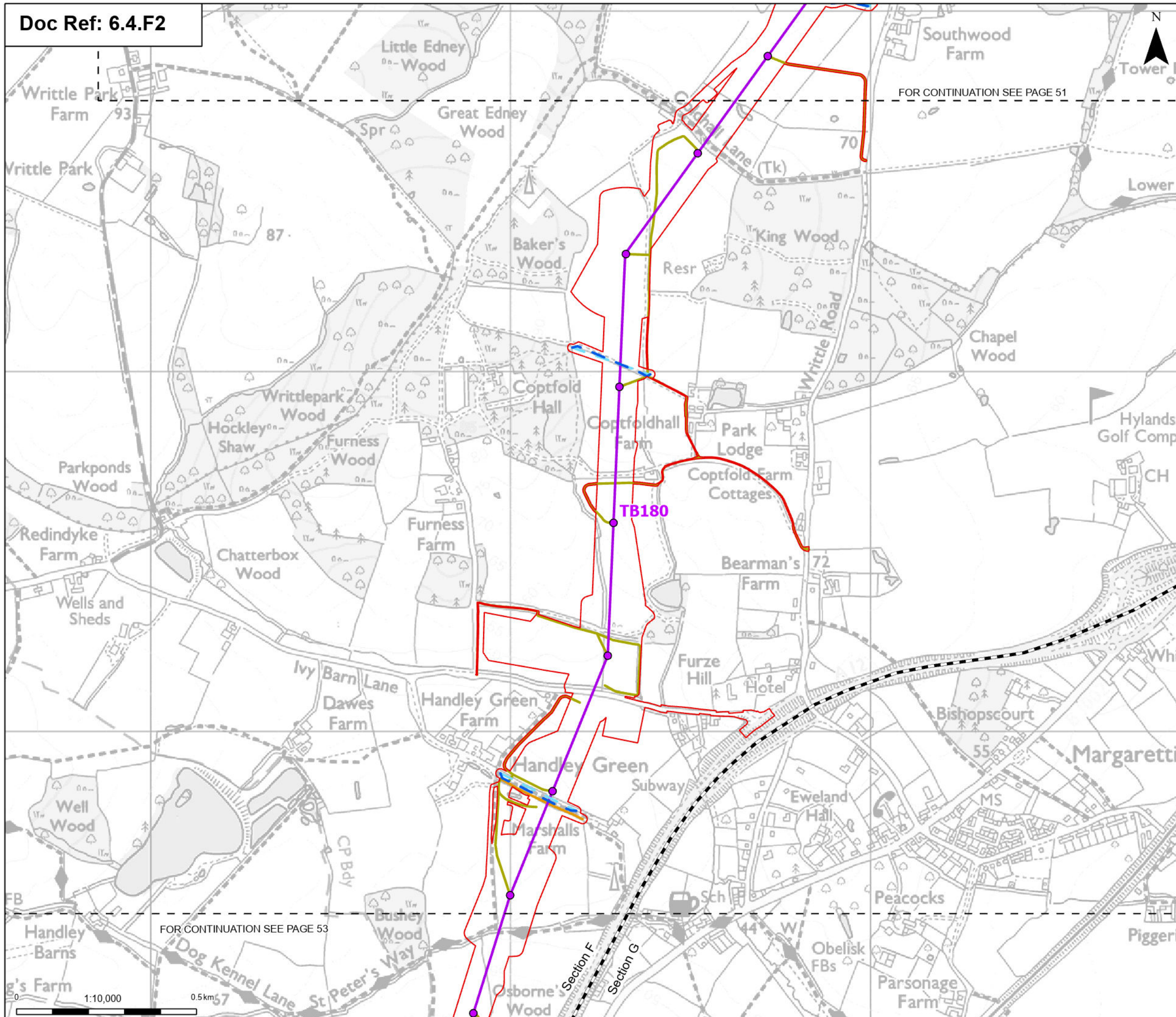
Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
 Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section F  
 Page 51 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

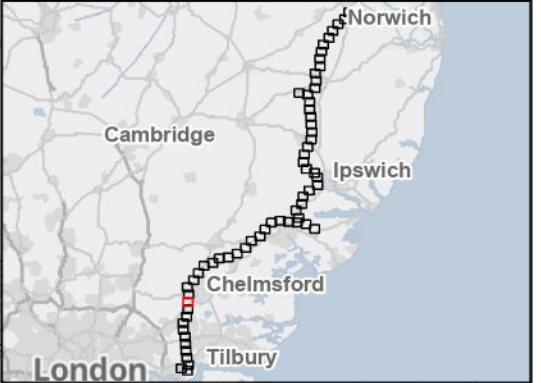
Suitability Description:  
 Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: <b>B</b>
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- Order limits
  - Project section line
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

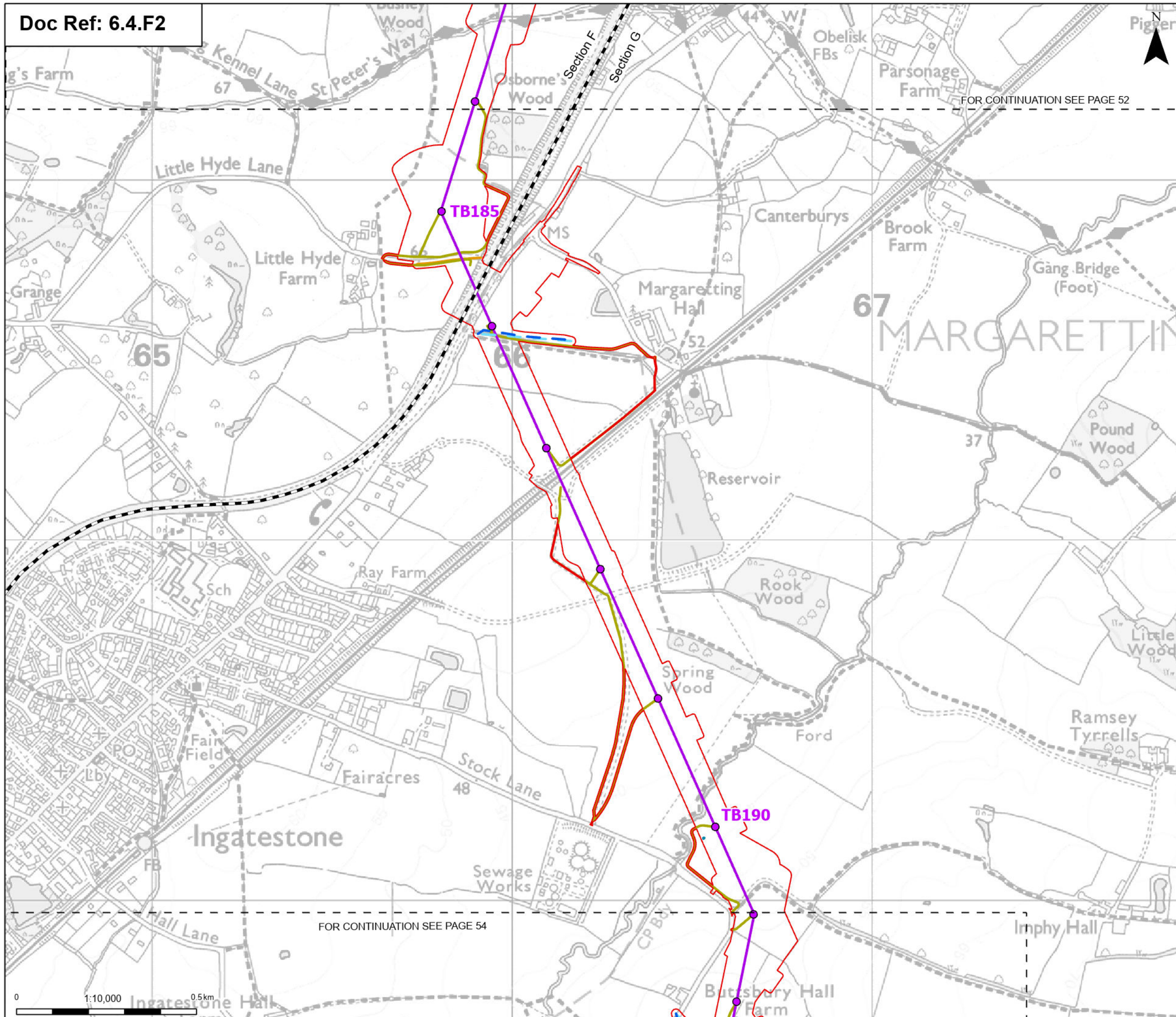
Title:  
 Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections F and G Page 52 of 63

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



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

**Proposed permanent design details**

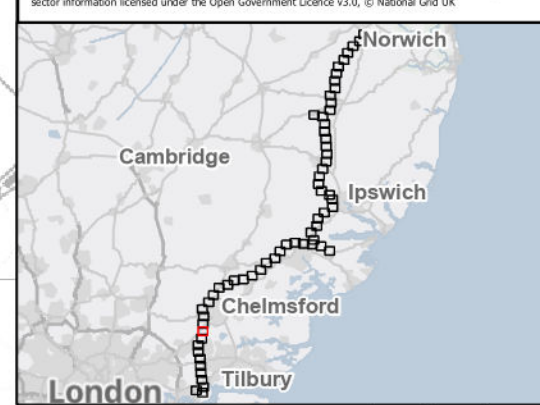
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed flood compensation mitigation works

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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FOR CONTINUATION SEE PAGE 54

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

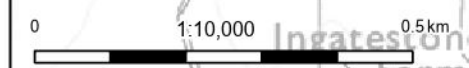
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections F and G Page 53 of 63**

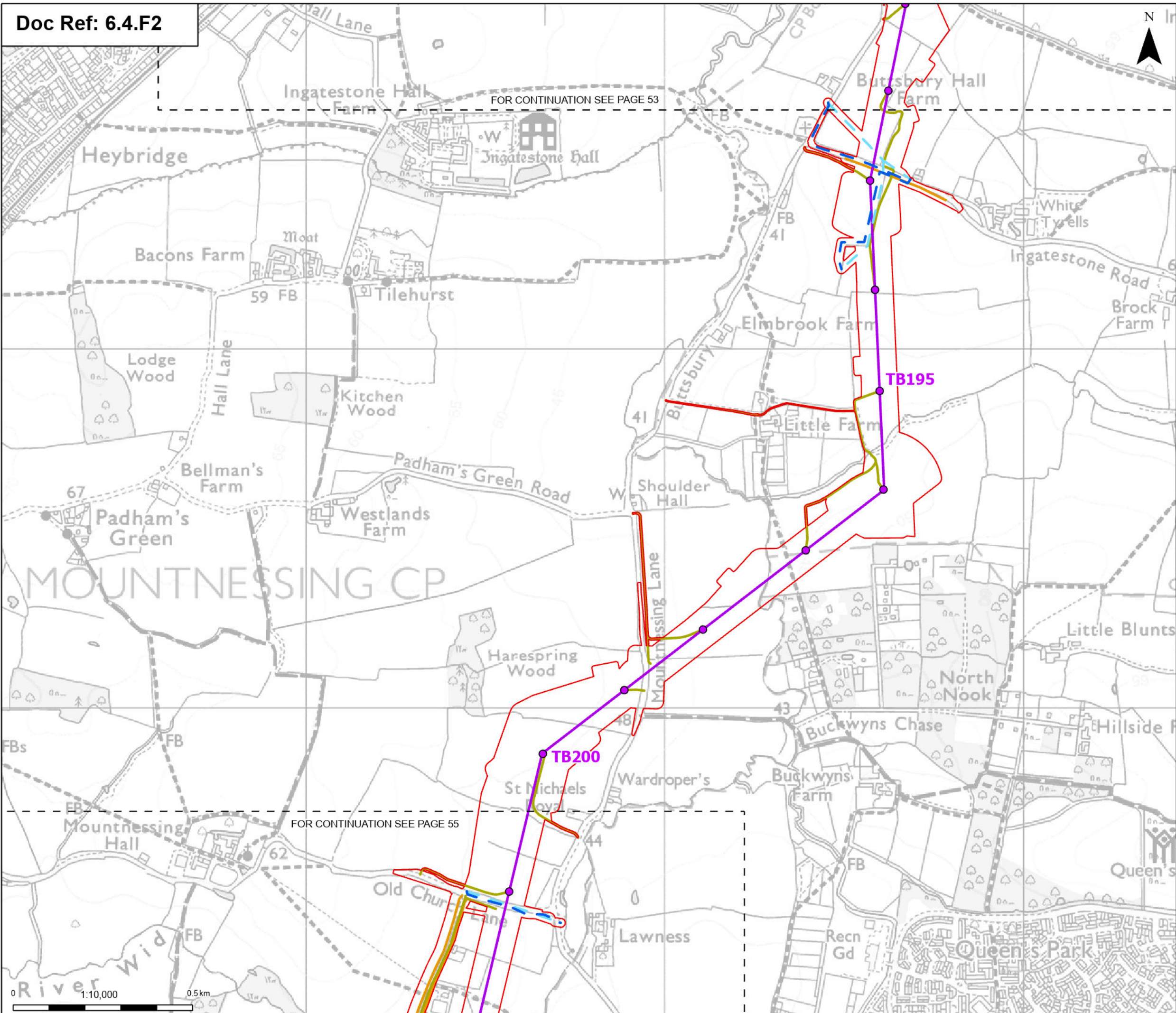
Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

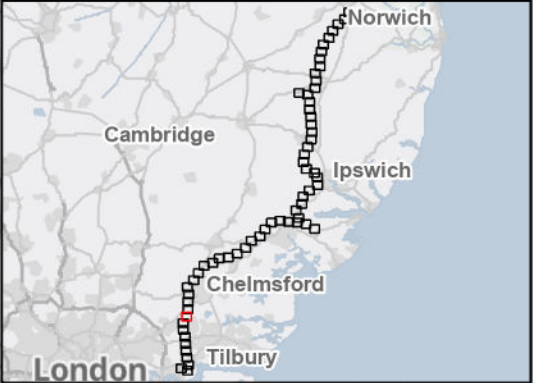
Revision:  
**B**





- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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Planning Inspectorate App Number: EN020027  
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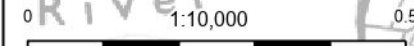
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section G  
 Page 54 of 63

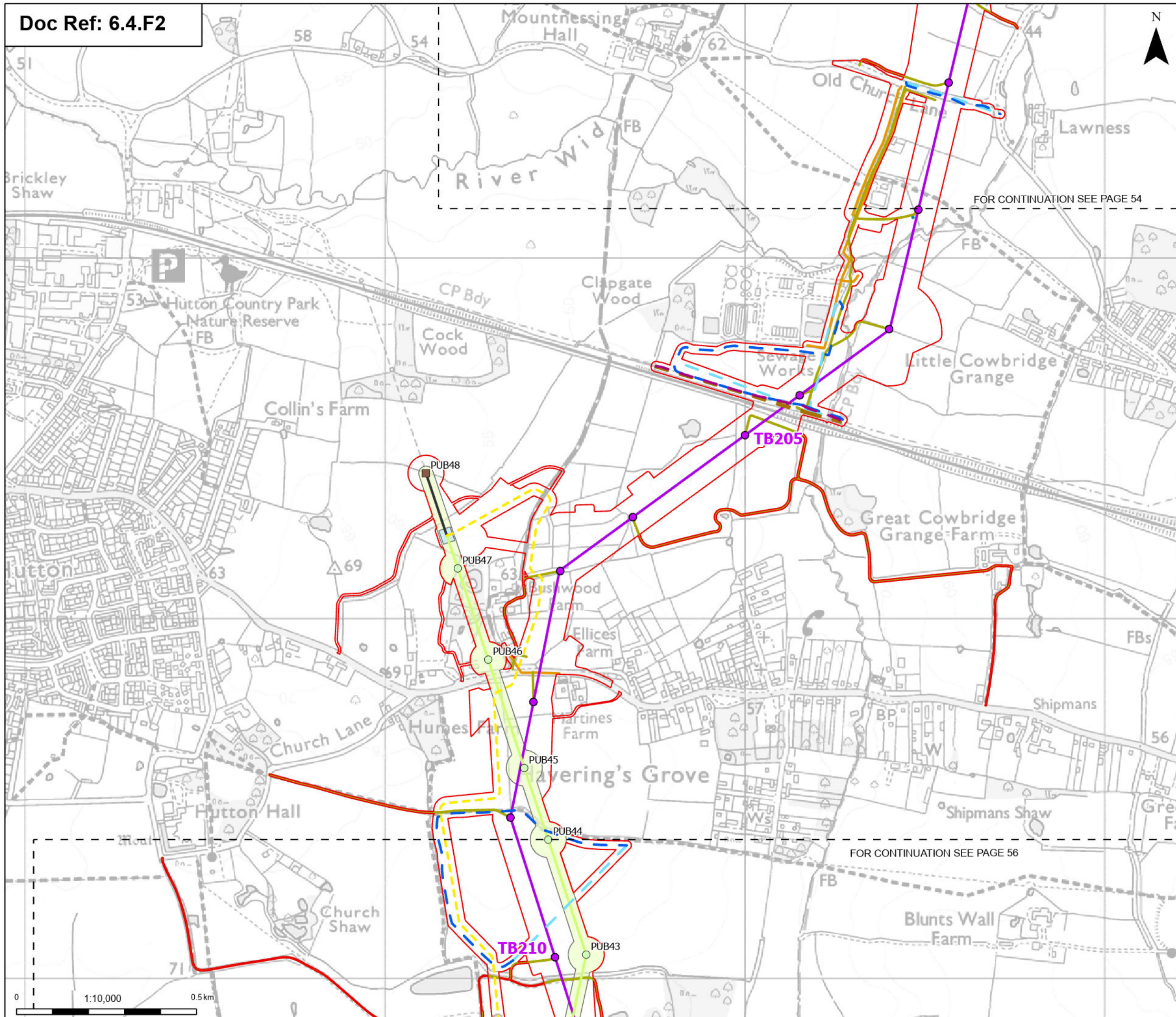
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Drawn	S. Sarkar	Date	May 26
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Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

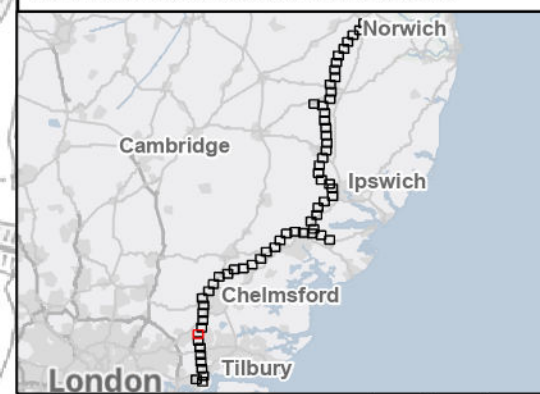
Revision:  
**B**





- Order limits
  - Sheet index cutline
  - Proposed permanent design details
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed 33kV overhead line mitigation
  - Proposed 33kV underground cable alignment mitigation
  - Proposed flood compensation mitigation works
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN dismantle centreline
  - Proposed UKPN existing centreline (modified)
  - Proposed UKPN Cable Centreline
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

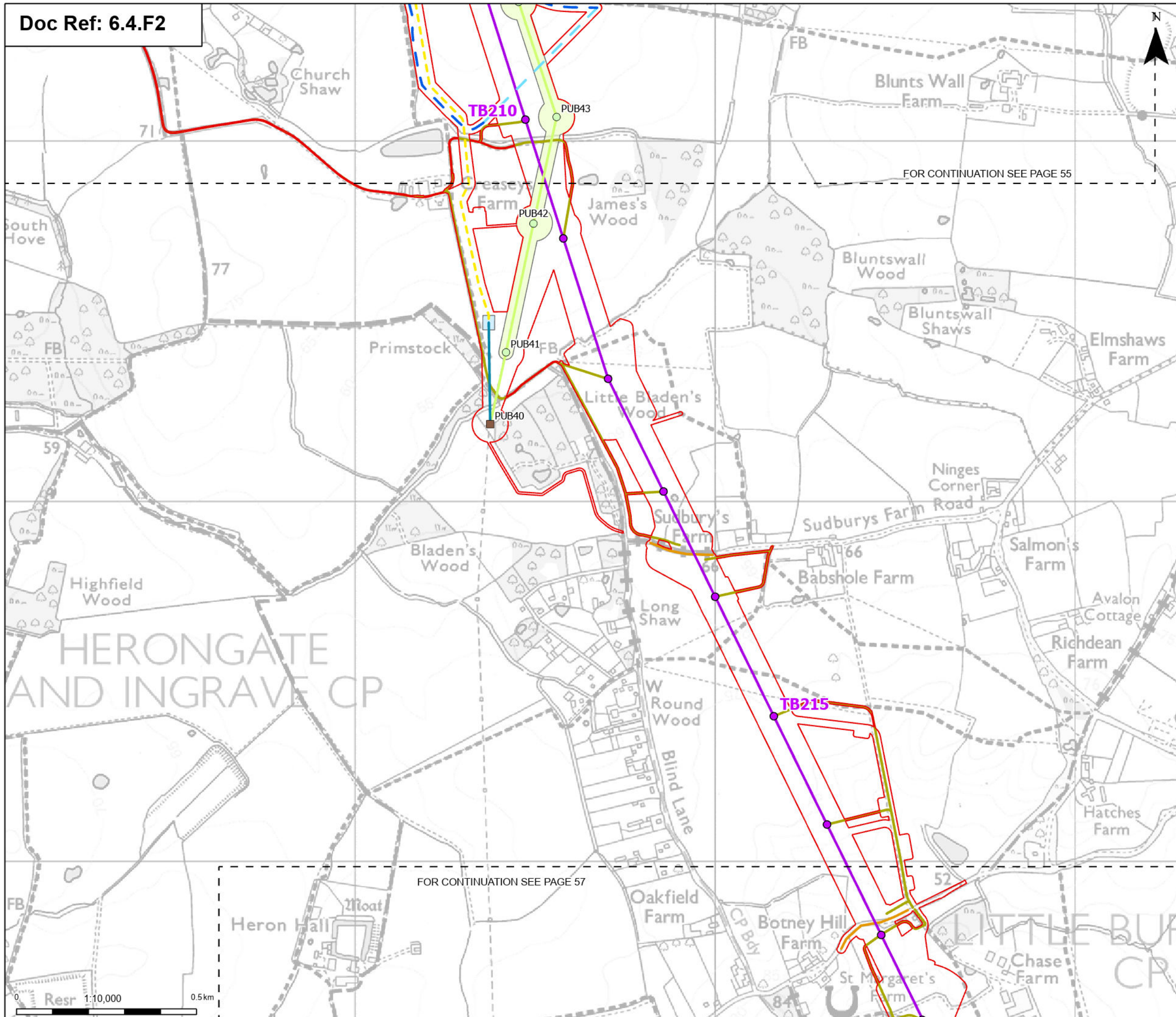
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 Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section G Page 55 of 63

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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



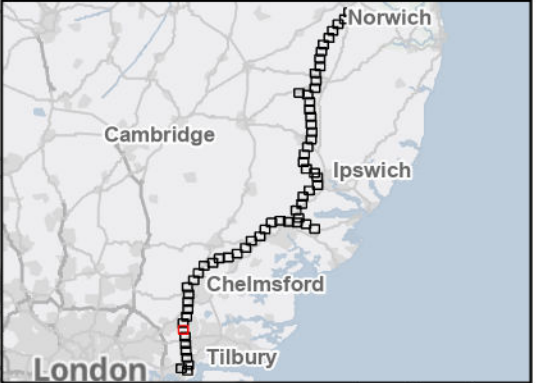
**Order limits**  
 Sheet index outline

**Proposed permanent design details**

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed UKPN cable sealing end platform
- Proposed UKPN tower dismantle assets
- Proposed UKPN dismantle centreline
- Proposed UKPN Cable Centreline
- Proposed UKPN New Centreline

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

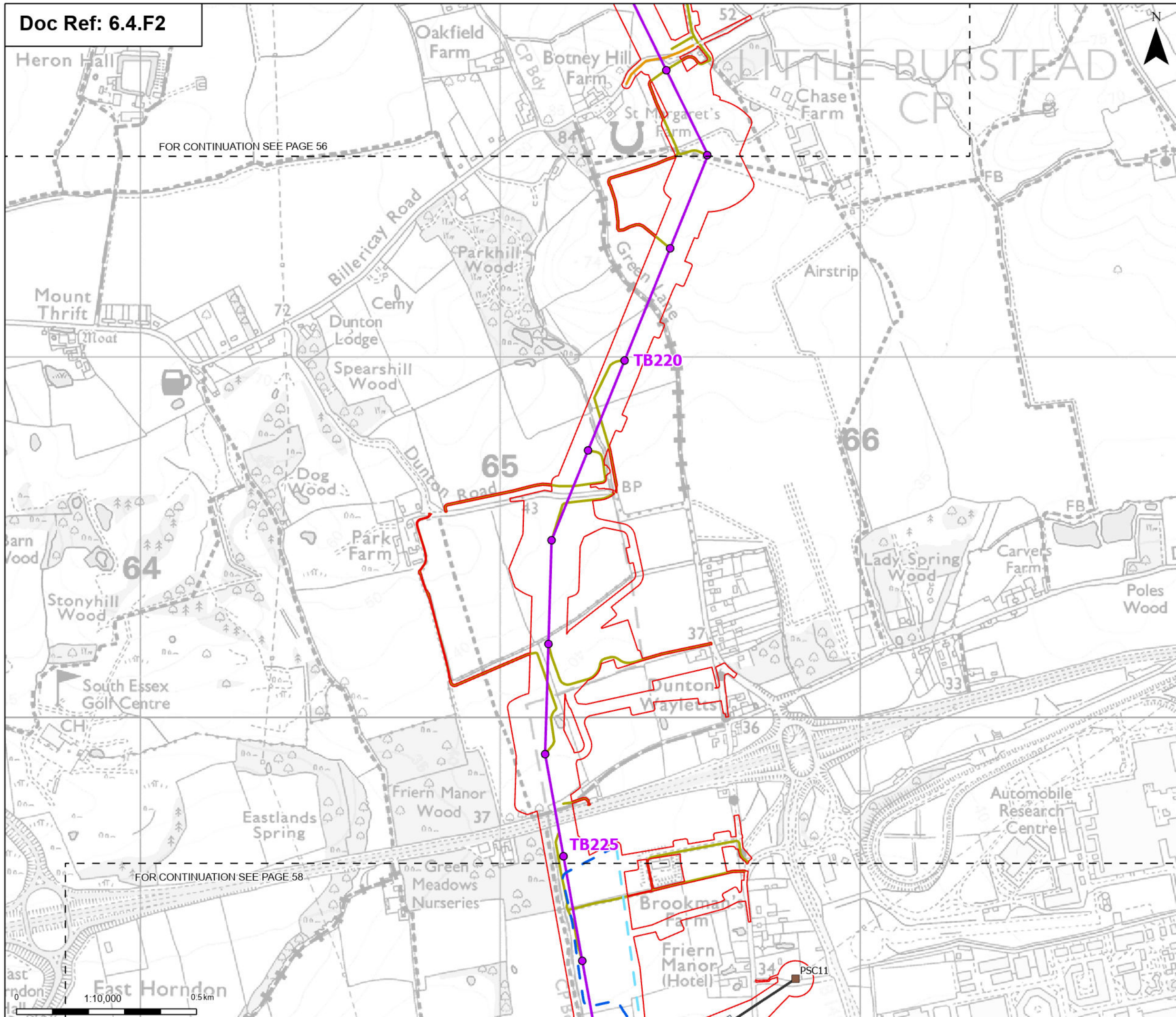
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section G Page 56 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**

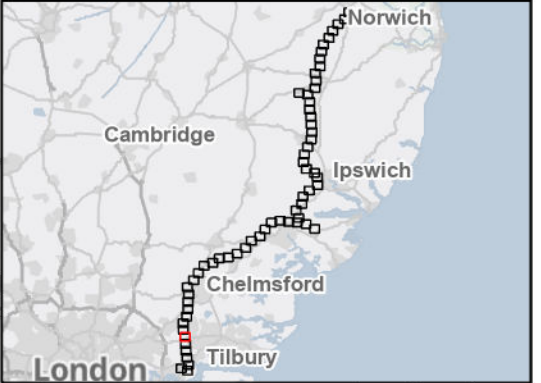


FOR CONTINUATION SEE PAGE 56

FOR CONTINUATION SEE PAGE 58

- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN existing centreline (modified)
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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

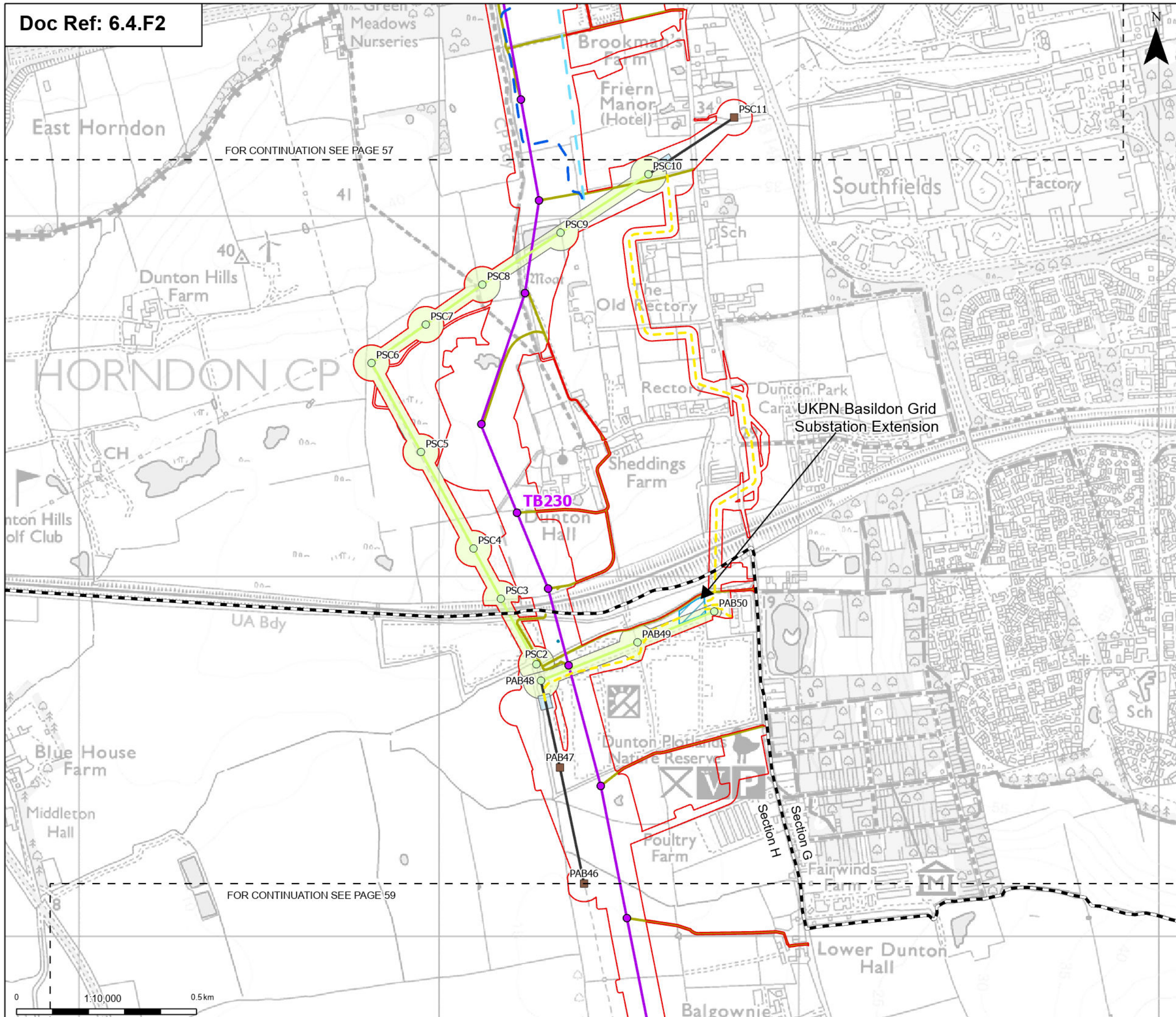
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section G Page 57 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

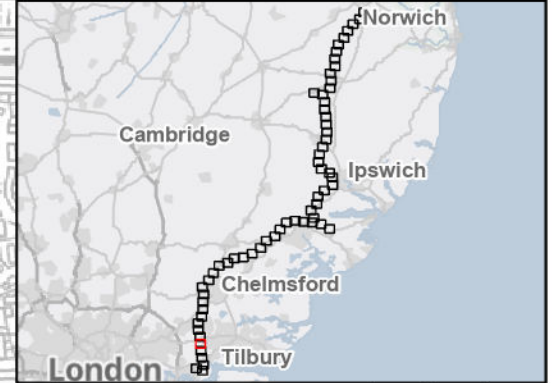
Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



- Order limits
  - Project section line
  - Sheet index cutline
  - Proposed UKPN substation extensions
  - Proposed flood compensation mitigation works
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN dismantle centreline
  - Proposed UKPN existing centreline (modified)
  - Proposed UKPN Cable Centreline
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN dismantle centreline
  - Proposed UKPN existing centreline (modified)
  - Proposed UKPN Cable Centreline
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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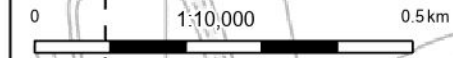
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections G and H**  
 Page 58 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
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Suitability Description:  
 Accepted as Concept Stage

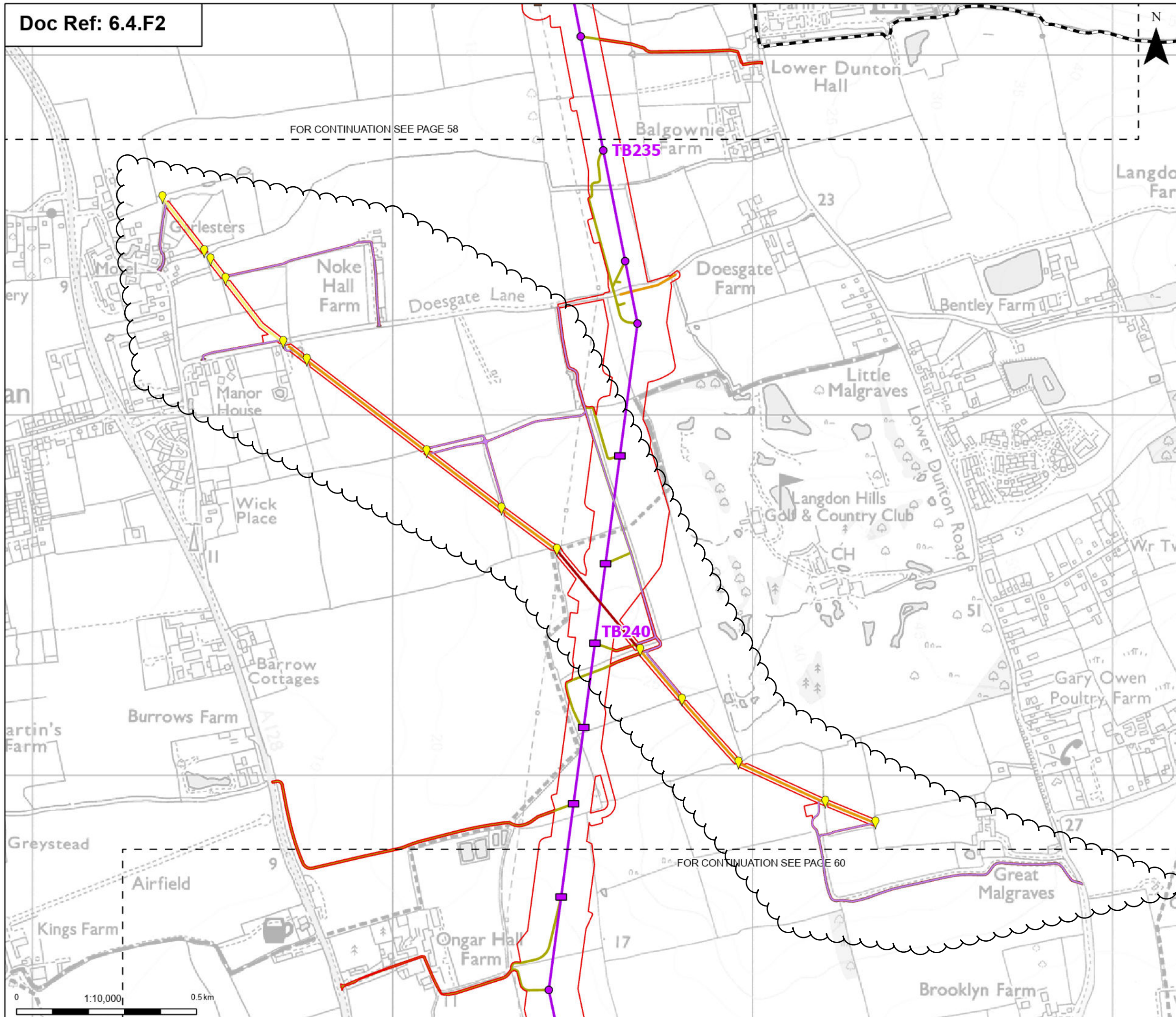
Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



FOR CONTINUATION SEE PAGE 58

FOR CONTINUATION SEE PAGE 60



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

**Proposed permanent design details**

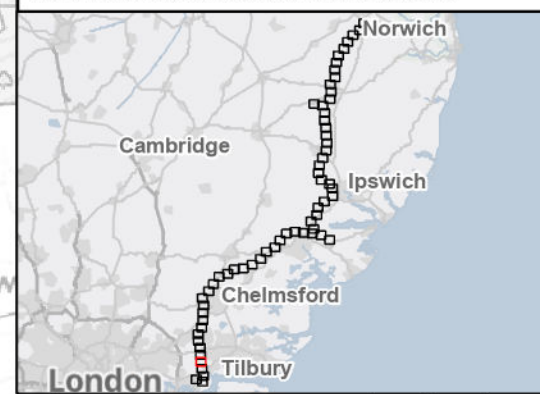
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed UKPN overhead line existing tower (to be modified)

**Third Party Works**

- Third Party Mitigation Connections
- Third Party Mitigation Centreline
- Anti corrosion earthing strips
- Third Party Mitigation Access
- Third Party Mitigation Access Buffer

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

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

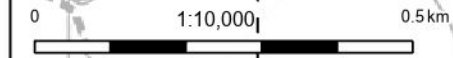
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**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Sections G and H Page 59 of 63**

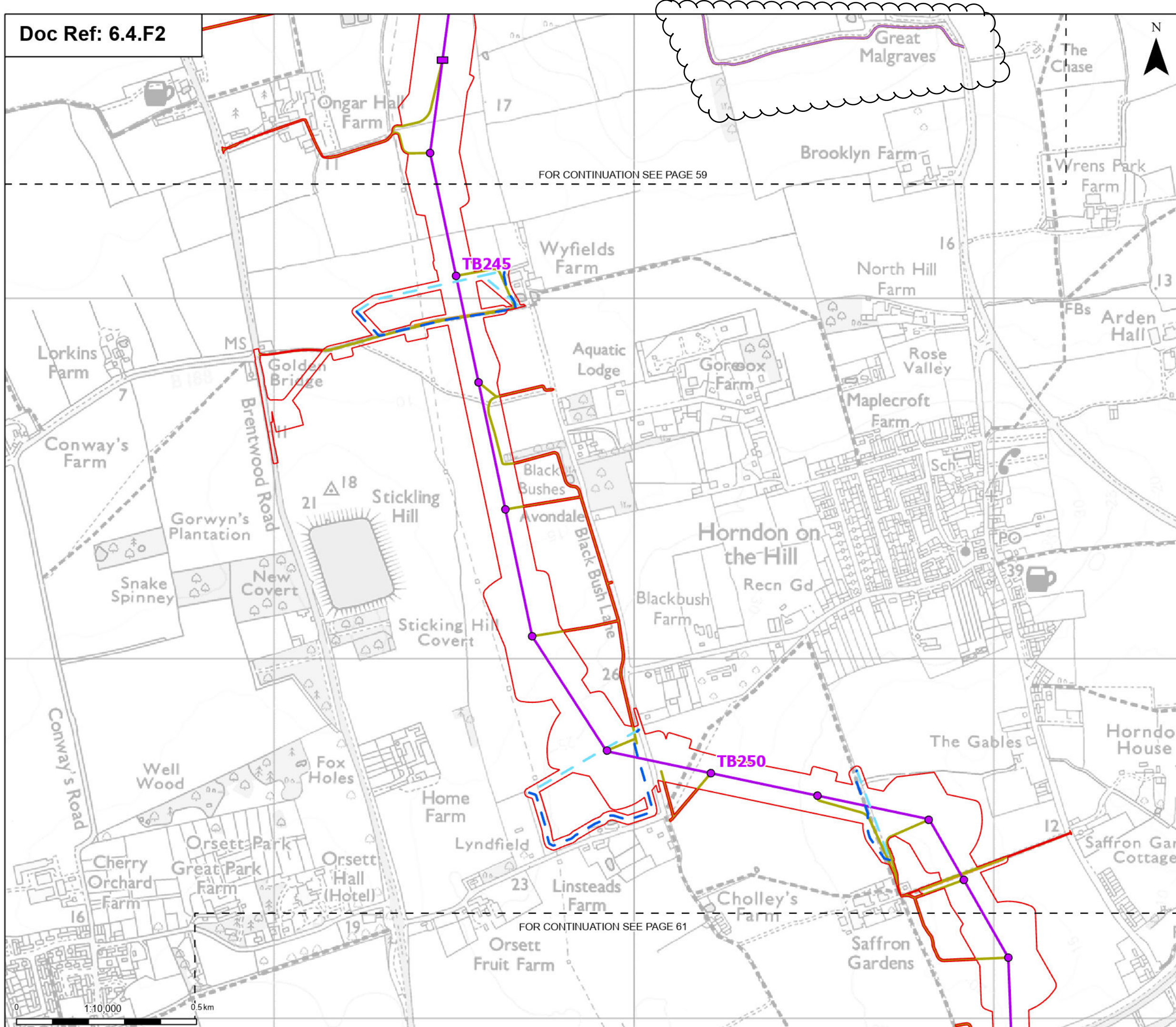
Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**





FOR CONTINUATION SEE PAGE 59

FOR CONTINUATION SEE PAGE 61

**Order limits**

Sheet index outline

**Proposed permanent design details**

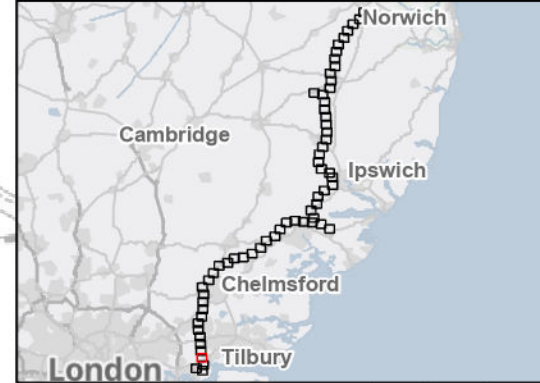
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

**Third Party Works**

- Third Party Mitigation Access
- Third Party Mitigation Access Buffer

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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B	May 2026	FOR DCO APPLICATION	SS	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section H  
 Page 60 of 63

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

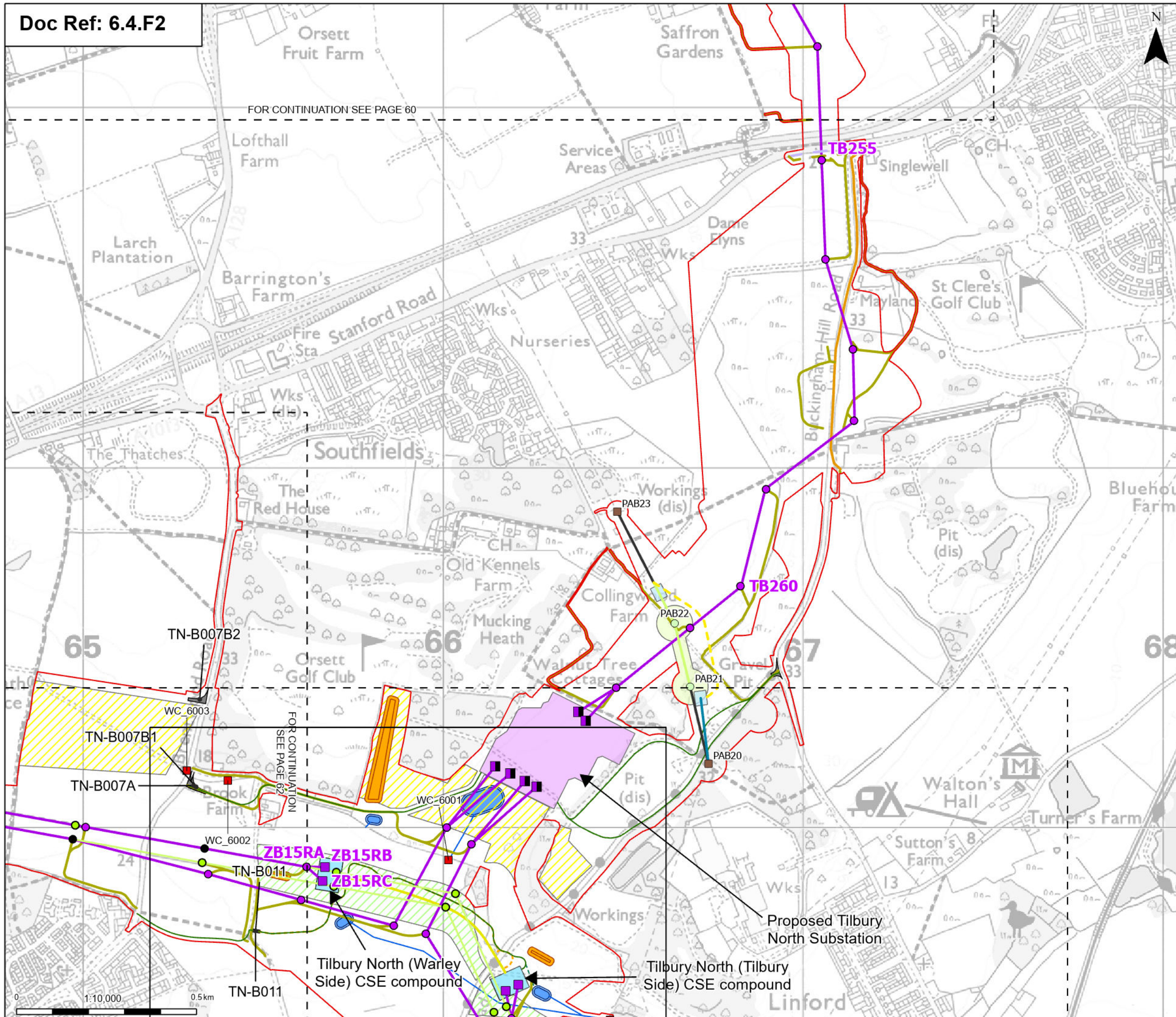
Suitability Description:  
 Accepted as Concept Stage

Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**

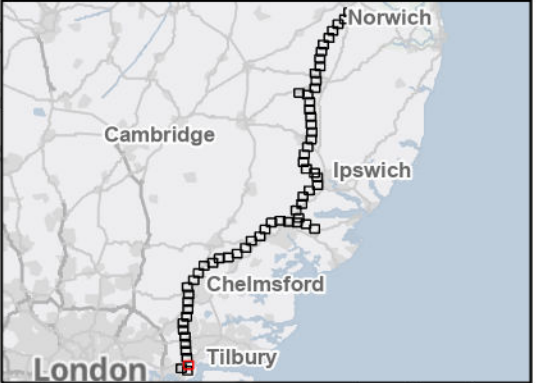


FOR CONTINUATION SEE PAGE 60



- 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 dismantle pylon position
  - Proposed underground cable alignment
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed Tilbury North Substation
  - Proposed cable sealing end (CSE) compound
  - Proposed Environmental Areas - Permanent
  - Proposed Environmental Mitigation Areas - Permanent
  - Proposed permanent attenuation drainage channel
  - Proposed permanent attenuation drainage pond
  - Proposed permanent drainage access route
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed UKPN Pole Mitigation
  - Proposed LV proposed underground cable alignment
  - Proposed cable permanent access (no physical works)
  - Proposed permanent spoil bund hatch
  - Proposed dismantle OHL alignment
  - Proposed permanent site access points
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
  - Proposed UKPN dismantle centreline
  - Proposed UKPN existing centreline (modified)
  - Proposed UKPN Cable Centreline
  - Proposed UKPN New Centreline
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

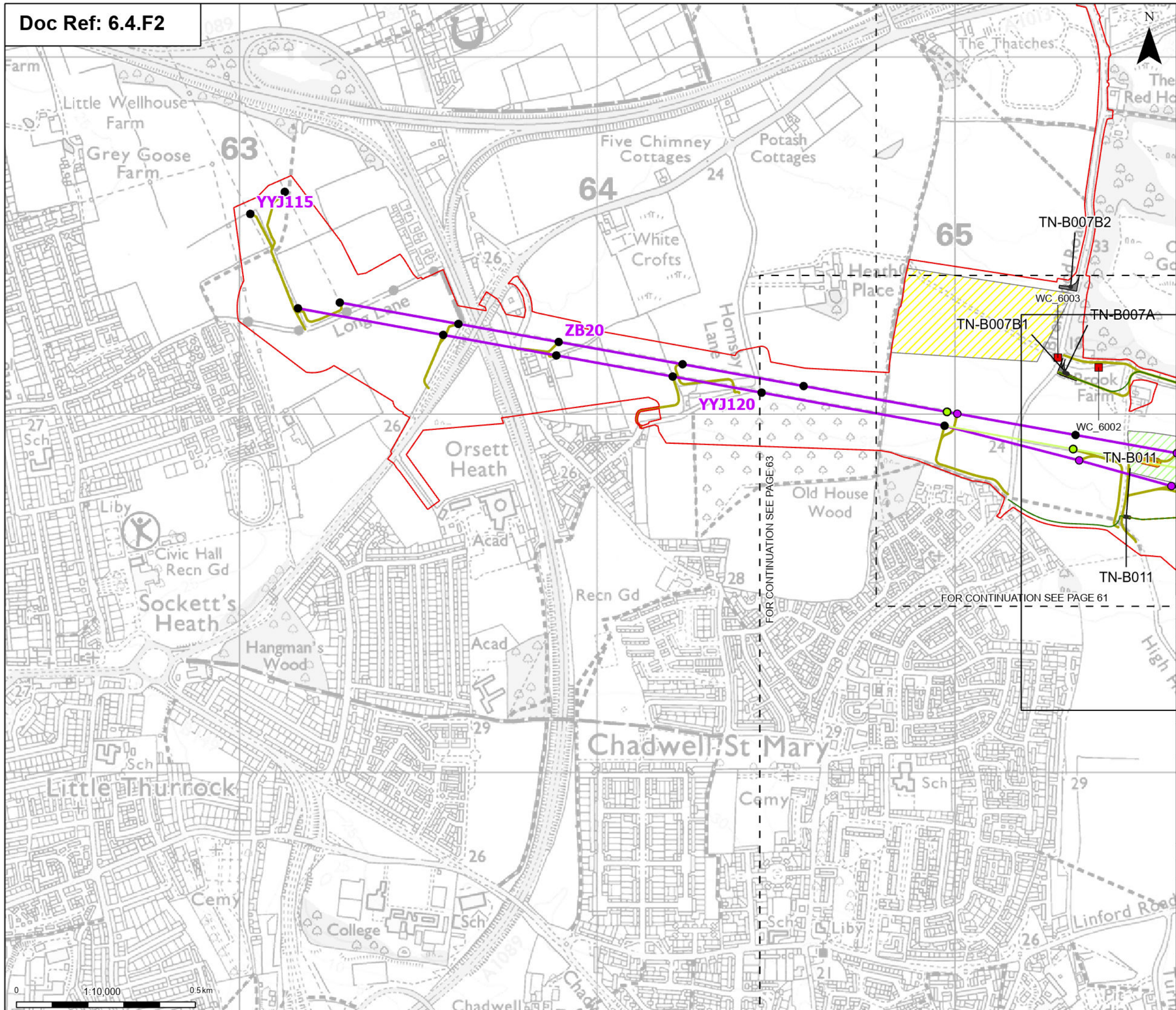
PROJECT:  
**nationalgrid** Norwich to Tilbury  
 Planning Inspectorate App Number: EN020027  
 Regulation 5(2)(a)

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features**  
 Section H  
 Page 61 of 63

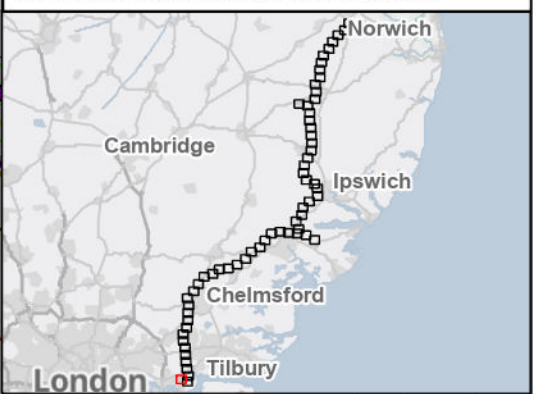
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Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: <b>B</b>
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- Order limits
  - Sheet index outline
  - Proposed permanent design details**
  - Existing pylon (modify)
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed dismantle pylon position
  - Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
  - Proposed permanent access (no physical works)
  - Proposed Environmental Areas - Permanent
  - Proposed Environmental Mitigation Areas - Permanent
  - Proposed cable permanent access (no physical works)
  - Proposed permanent spoil bund hatch
  - Proposed dismantle OHL alignment
  - Proposed permanent site access points
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.
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PROJECT:  
**nationalgrid** Norwich to Tilbury

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

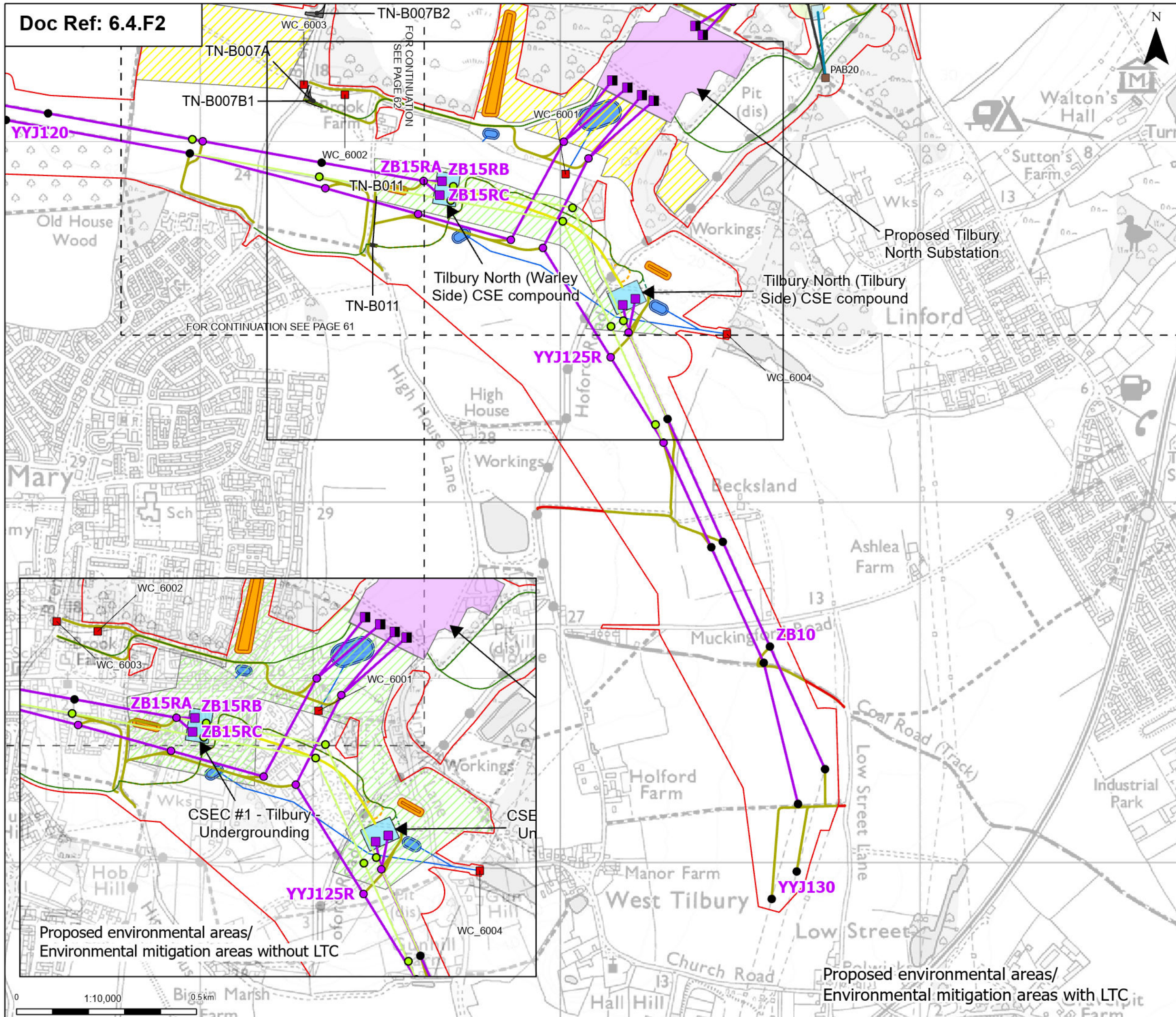
Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section H Page 62 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
 Accepted as Concept Stage

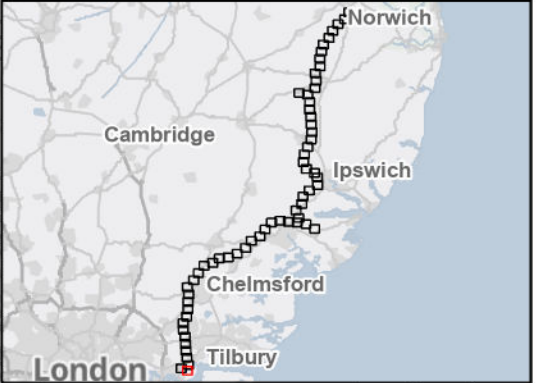
Drawing Number:  
 10059280-ARC-EGN-ZZ-DR-ZZ-00206

Revision:  
**B**



- Order limits
  - Sheet index cutline
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  - Proposed permanent access (no physical works)
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  - Proposed cable permanent access (no physical works)
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  - Proposed dismantle OHL alignment
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- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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**nationalgrid** Norwich to Tilbury

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

Title:  
**Figure 4.2 - Project Description - Proposed Project Design - Permanent Features Section H Page 63 of 63**

Designed	A. Fell	Date	May 26
Drawn	S. Sarkar	Date	May 26
Checked	A. Fell	Date	May 26
Approved	K. Burrows	Date	May 26
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
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Drawing Number:  
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Revision:  
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