

# Norwich to Tilbury

## Volume 6: Environmental Statement

Document: 6.4.F1 Environmental Statement Figure 4.1 - Proposed Project Design

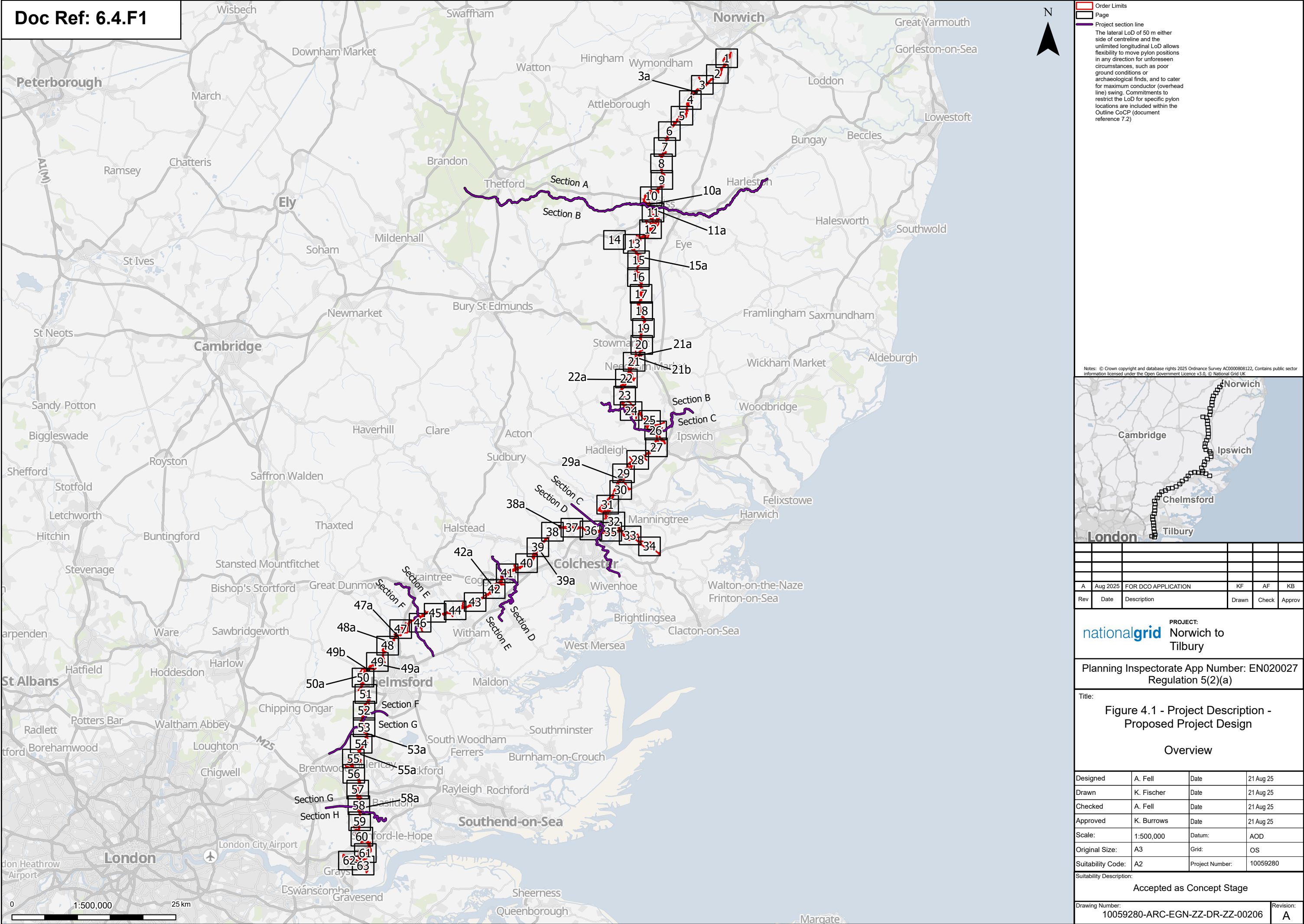
Final Issue A

August 2025

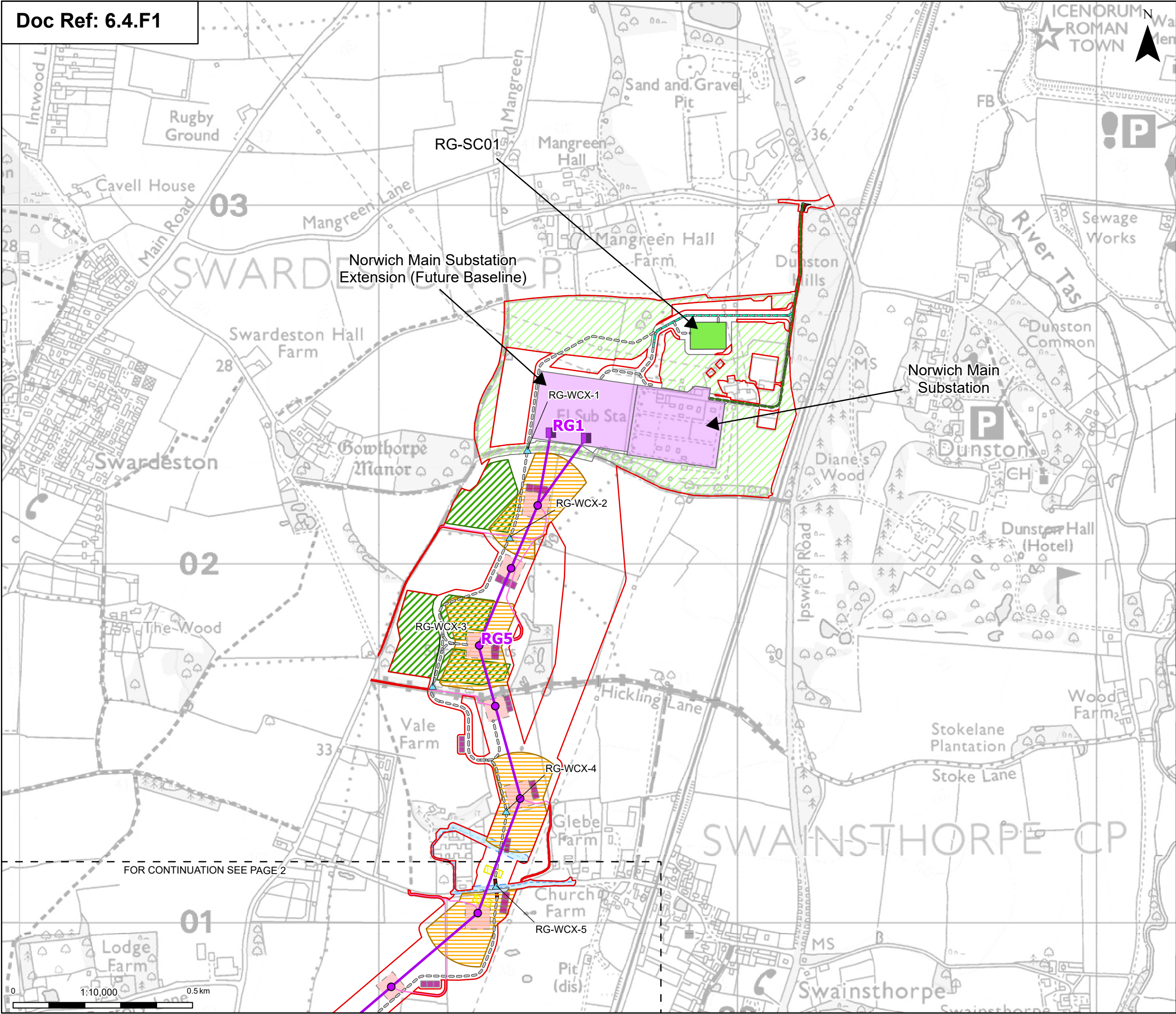
Planning Inspectorate Reference: EN020027

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









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 permanent access (no physical works)

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed Environmental Areas - Permanent

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Proposed 11kV underground cable alignment mitigation

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Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

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Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed bellmouth stacking

Proposed overhead line access watercourse crossing - culvert

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
Rev	Date	Description	Drawn	Check	Approv

PROJECT:

nationalgrid

Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section A  
Page 1 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

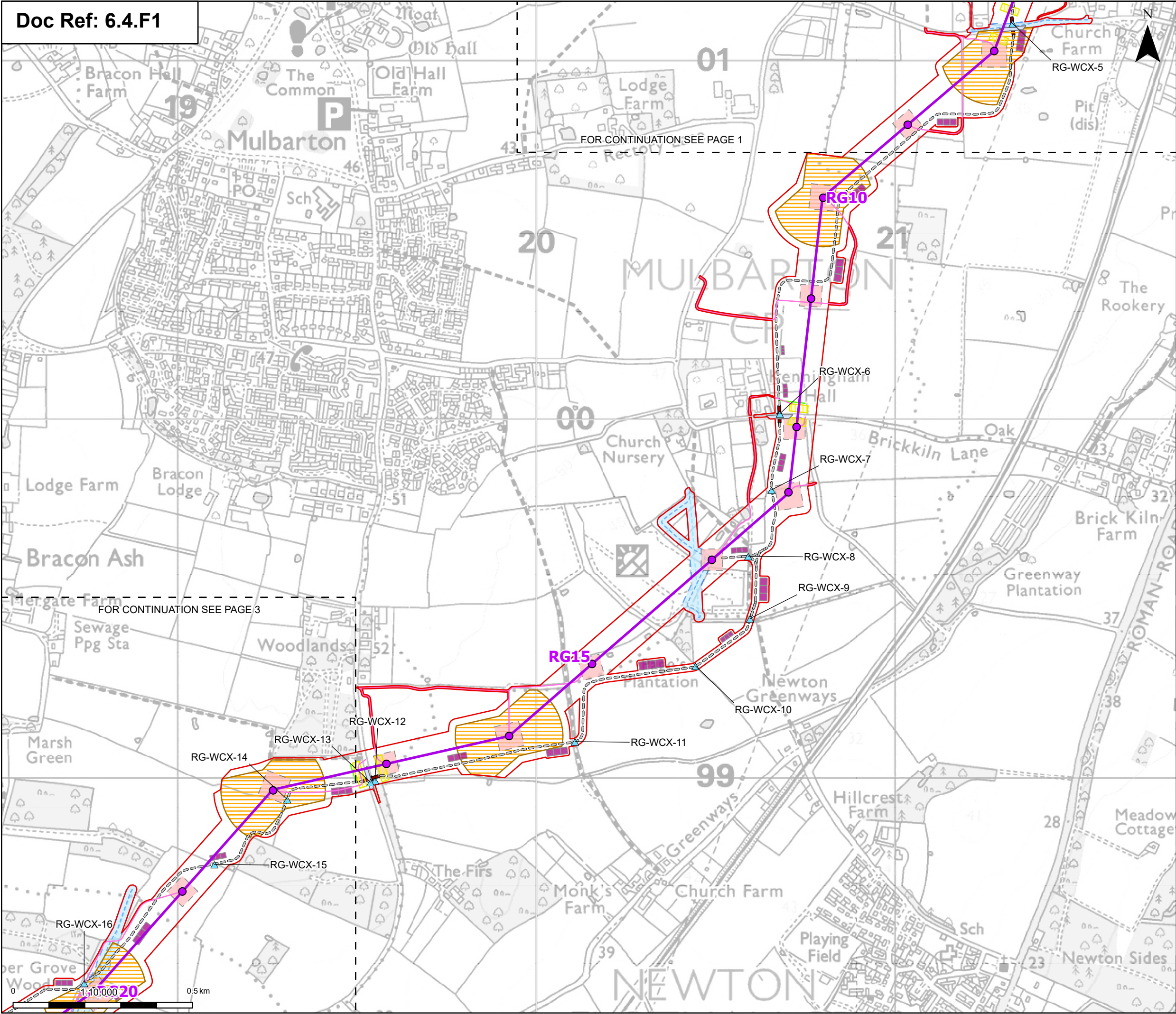
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Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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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 temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

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PROJECT:

Norwich to Tilbury

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

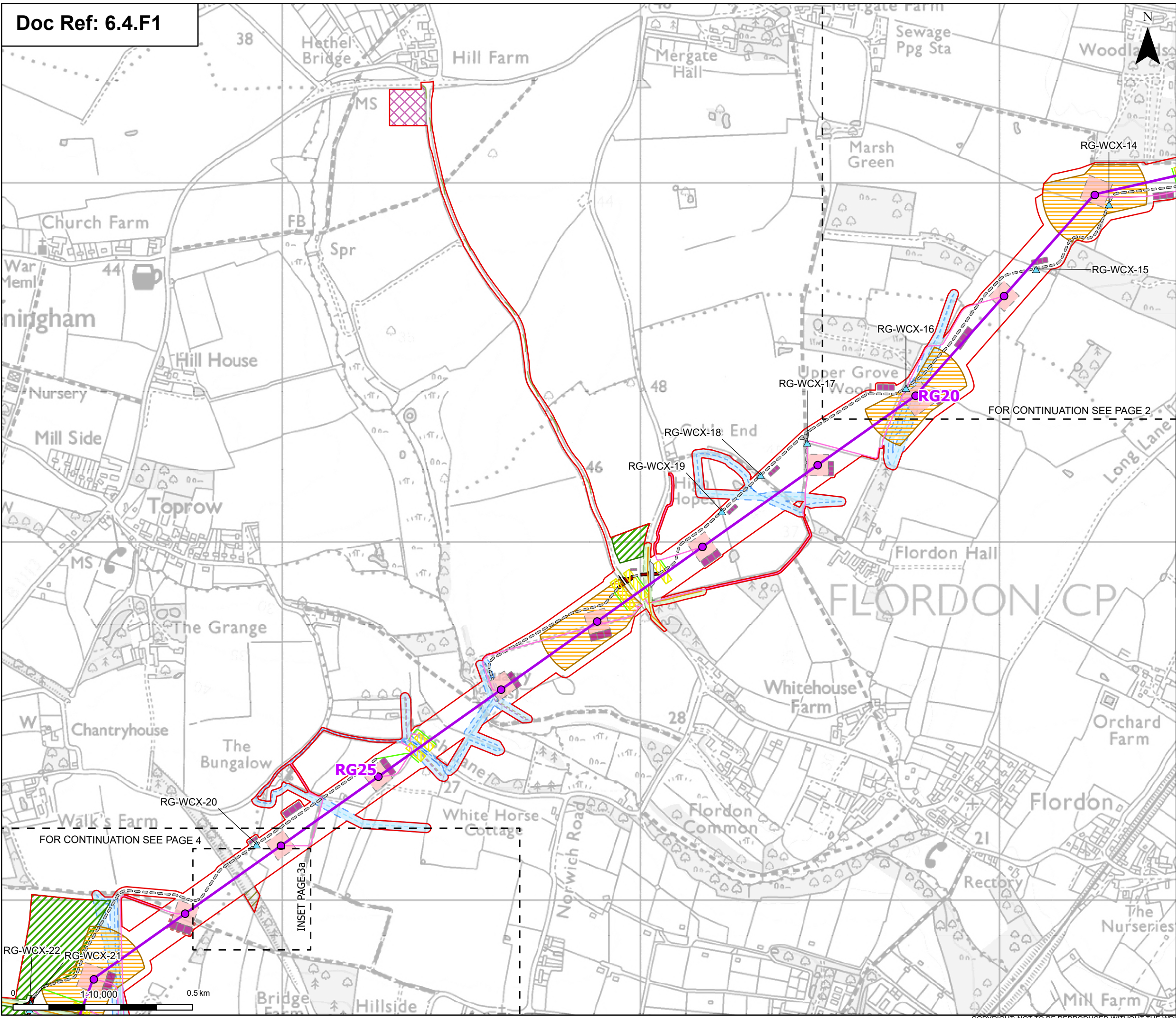
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Figure 4.1 - Project Description -  
Proposed Project Design  
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Drawn	K. Fischer	Date	21 Aug 25
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Proposed permanent design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed permanent access (no physical works)

Proposed BT overhead line mitigation

Proposed Verge (Hatching)

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed 33kV overhead line mitigation

Proposed 33kV underground cable alignment mitigation

Proposed temporary design details

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed highways mitigation compounds

Proposed bellmouth stacking

Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - culvert

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PROJECT:  
nationalgrid Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section A  
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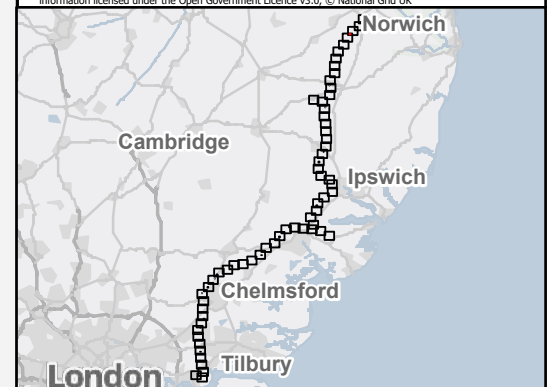


**Doc Ref: 6.4.F1**



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- Proposed permanent design details**
-  Proposed overhead line alignment
  -  Proposed temporary haul road
  -  Proposed pylon construction work area
  -  Proposed PRoW diversions
  -  Proposed Environmental Mitigation Areas - Temporary
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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Norwich to  
Tilbury

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Regulation 5(2)(a)

Title:

Figure 4.1 - Project Description -  
Proposed Project Design  
Section A  
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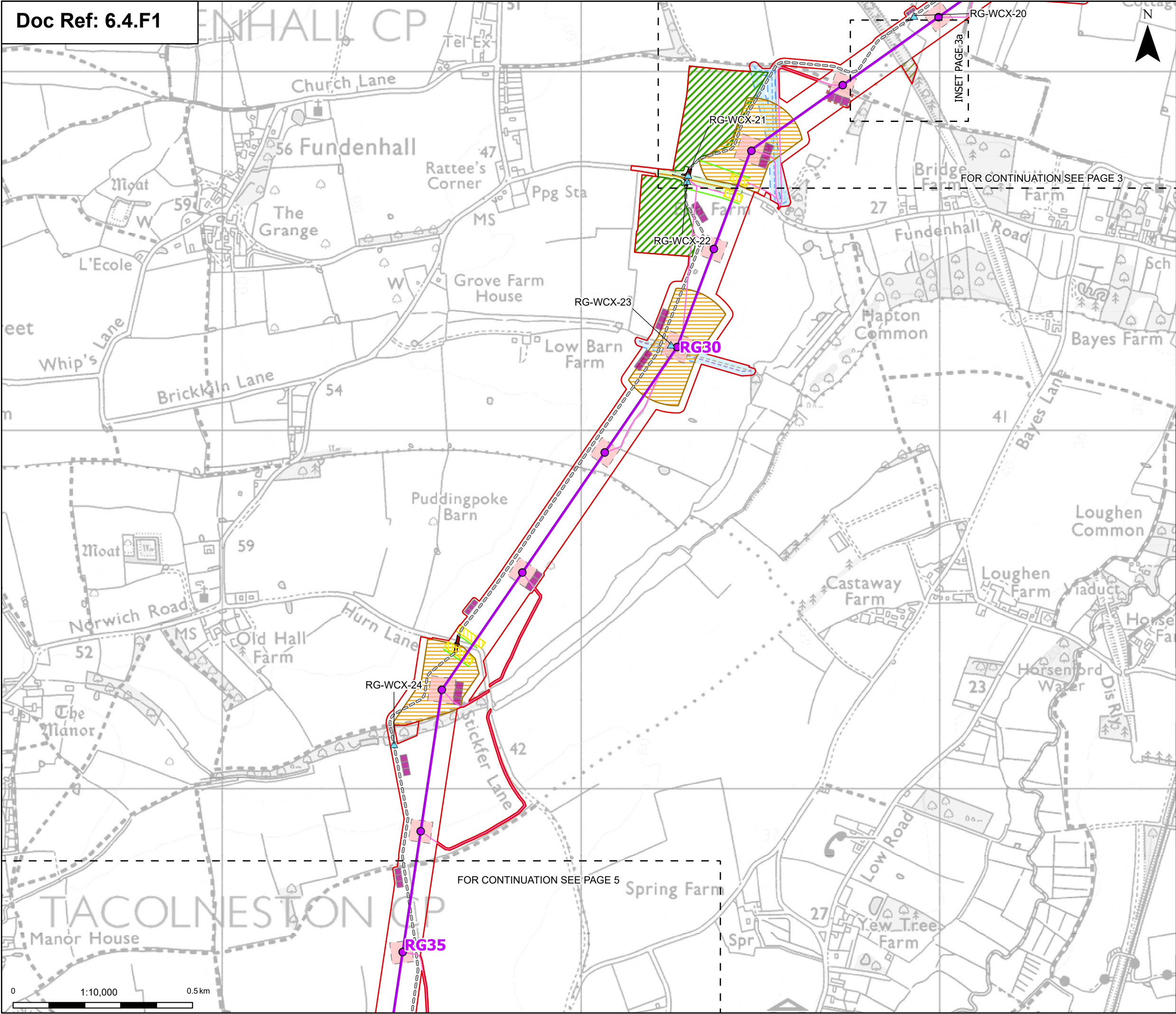
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Order Limits

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

Proposed temporary design details

Proposed construction laydown areas

Proposed overhead line construction SubS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed PRoW diversions

Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - culvert

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



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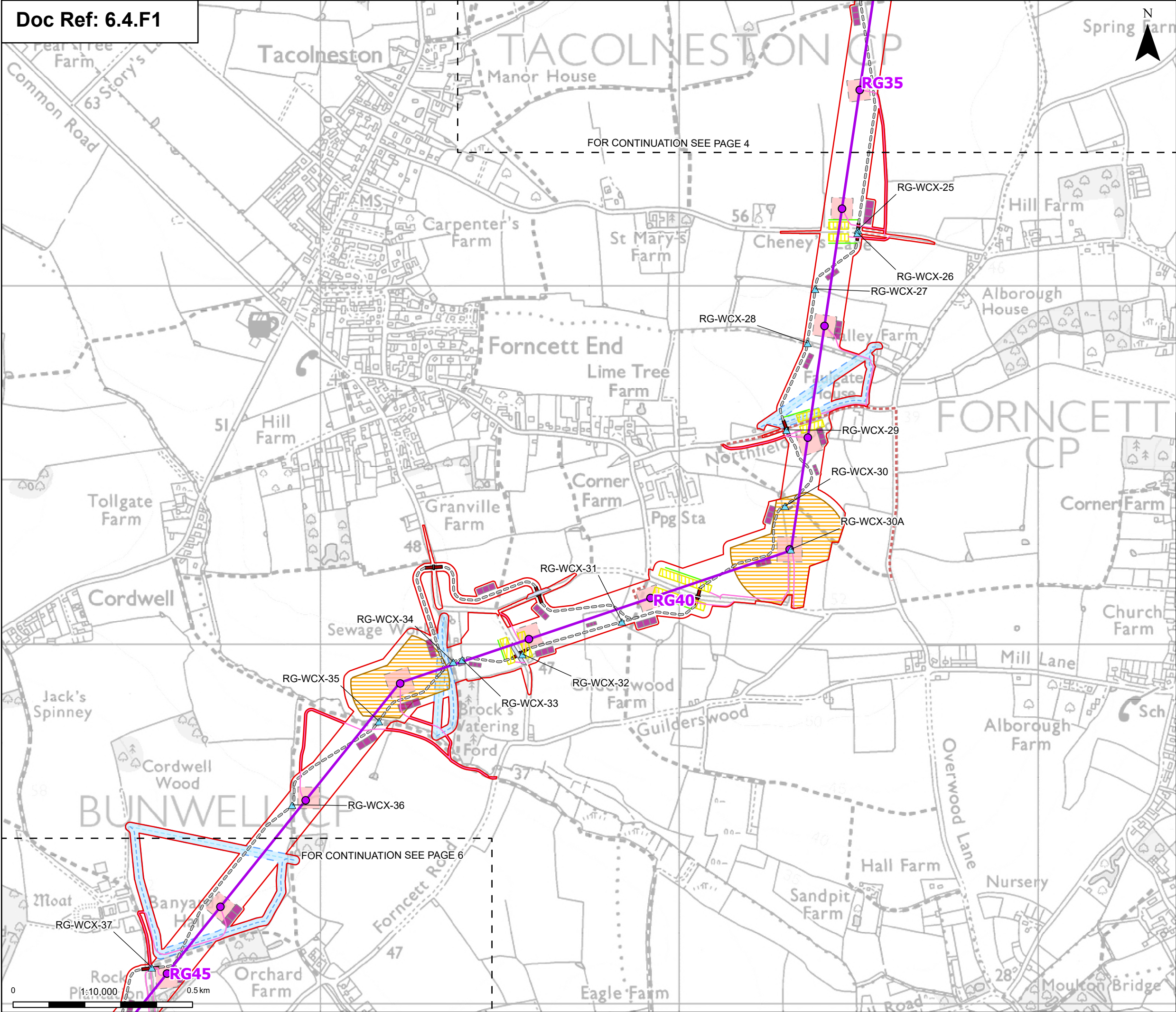
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Order Limits

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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

Proposed temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed bellmouth stacking

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

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Norwich to Tilbury

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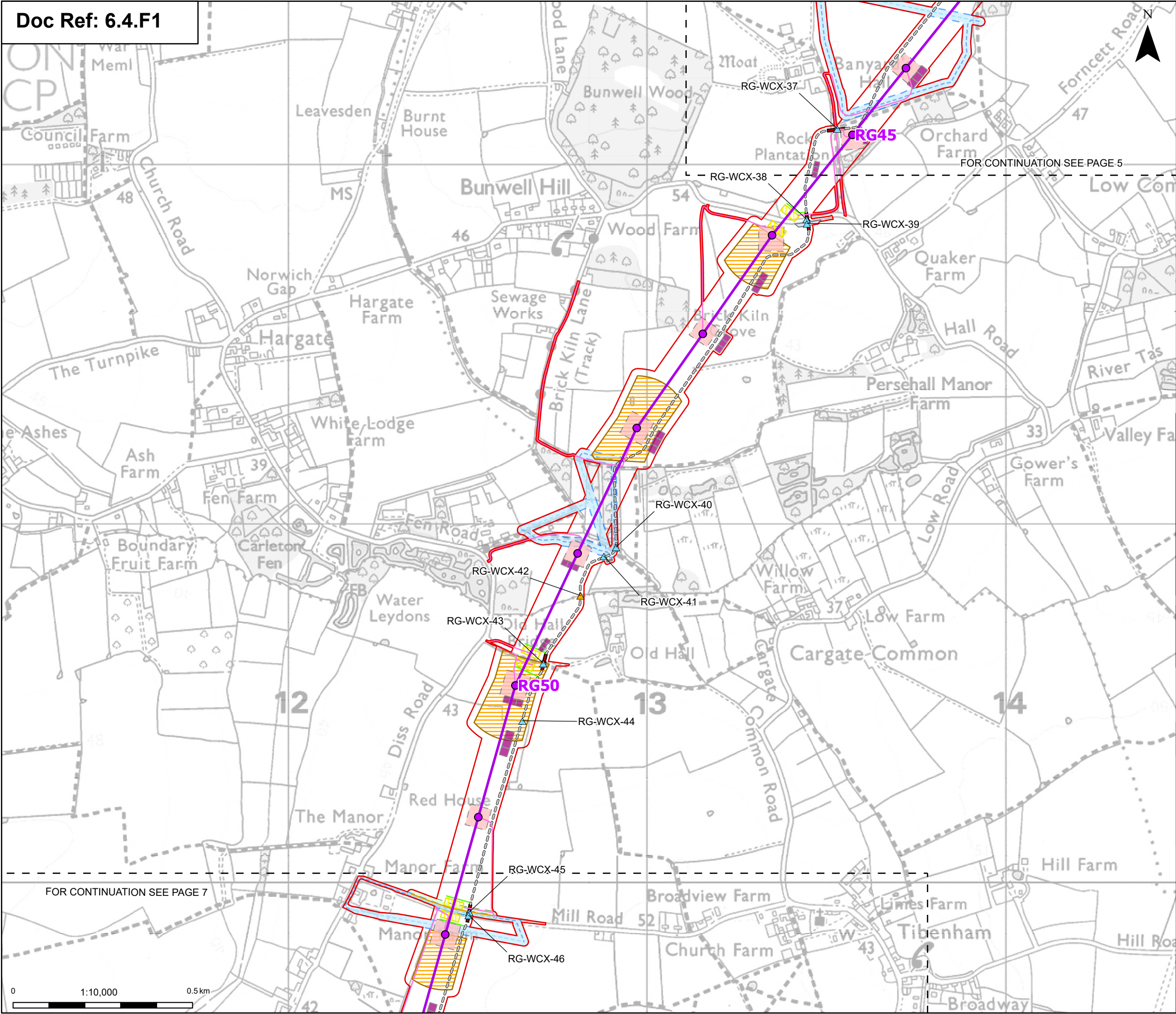
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Order Limits

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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 temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

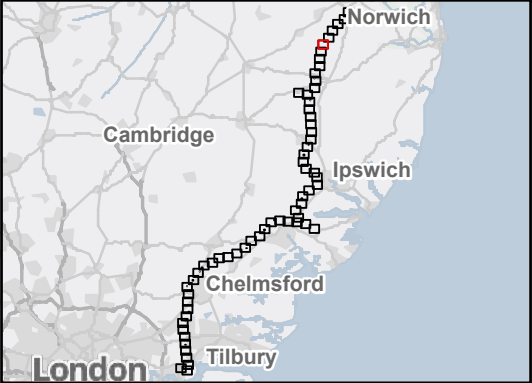
Proposed bellmouth stacking

Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

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

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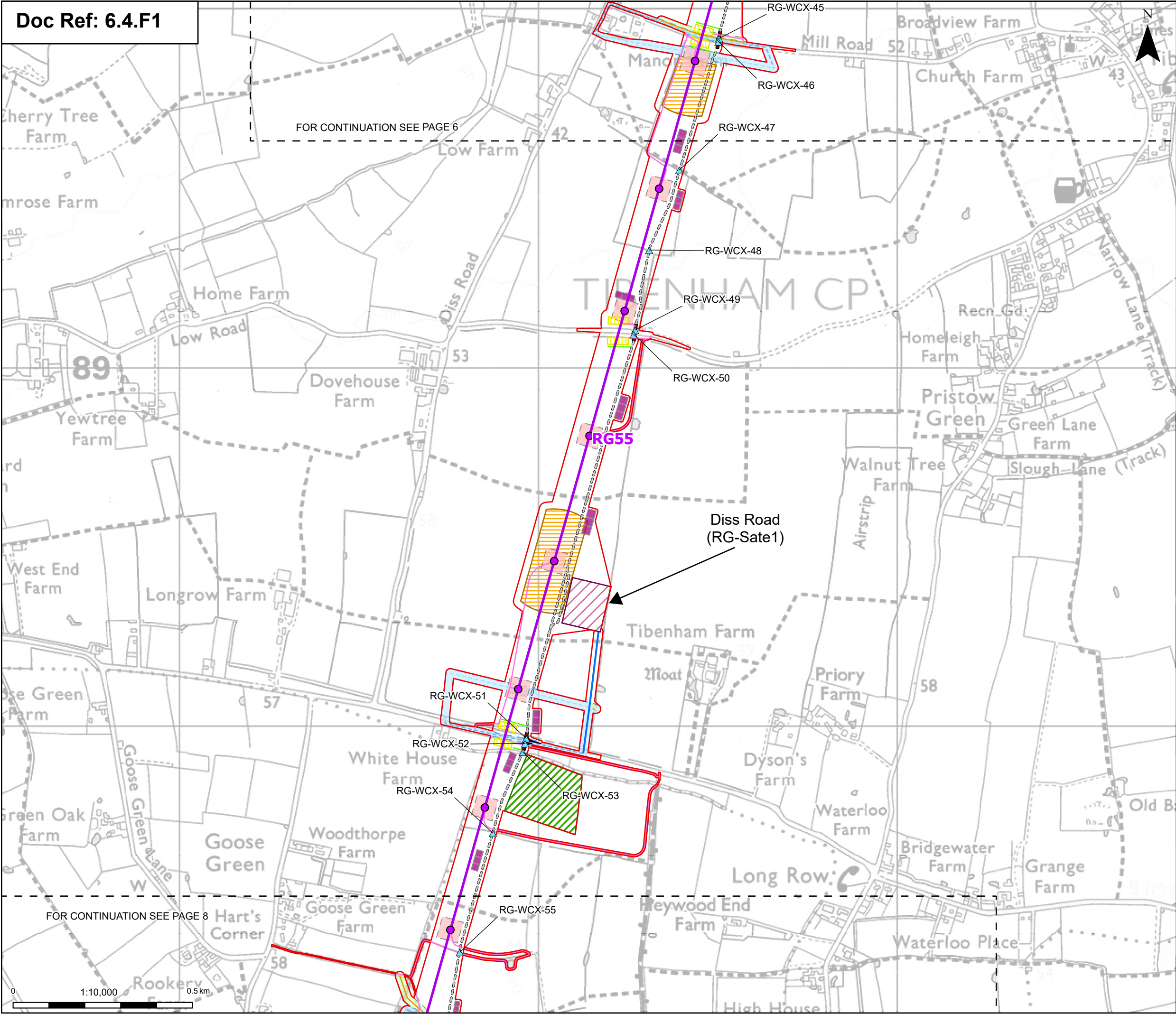
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Proposed Project Design  
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**Order Limits**

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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 temporary design details**

- Proposed satellite construction compound
- Proposed construction laydown areas
- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed BT overhead line mitigation work area
- Proposed overhead line compound utility connections - electricity
- Proposed overhead line compound utility connections - water
- Proposed overhead line access watercourse crossing - culvert

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



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PROJECT: **Norwich to Tilbury**

Planning Inspectorate App Number: EN020027  
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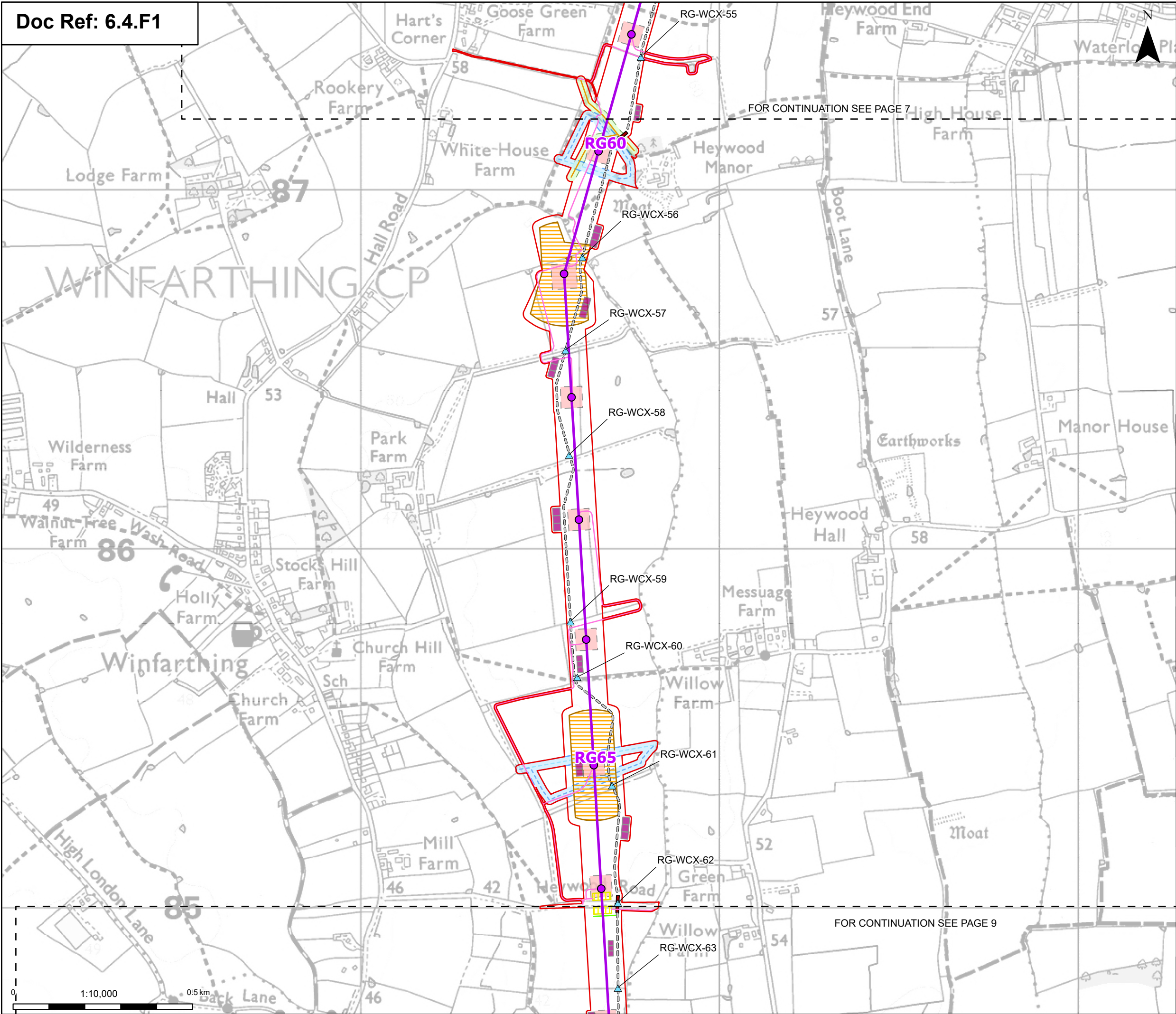
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Page 7 of 63

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

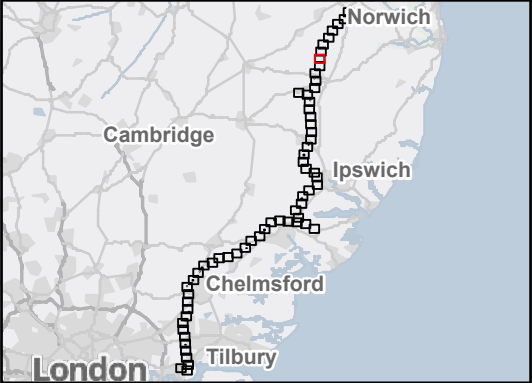
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- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

**Proposed temporary design details**

- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed BT overhead line mitigation work area
- Proposed overhead line access watercourse crossing - culvert

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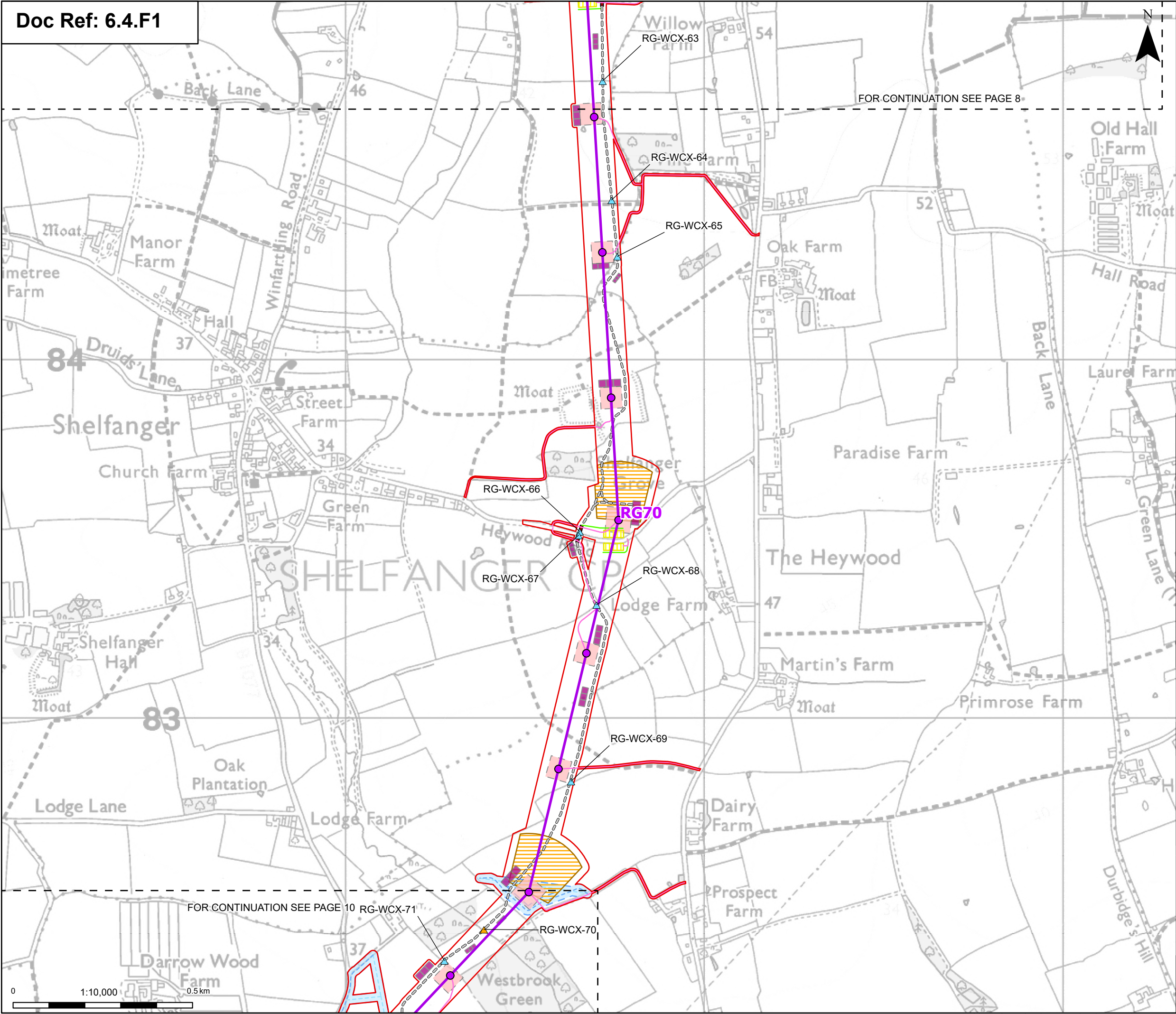
PROJECT:  
**nationalgrid** Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
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Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
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Suitability Description: Accepted as Concept Stage			
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**Proposed permanent design details**

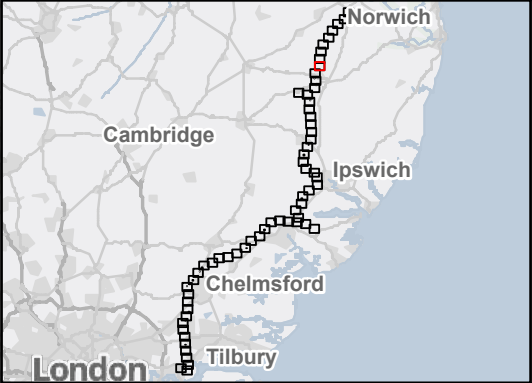
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- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

**Proposed temporary design details**

- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed overhead line access watercourse crossing - culvert
- Proposed overhead line access watercourse crossing - bridge

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

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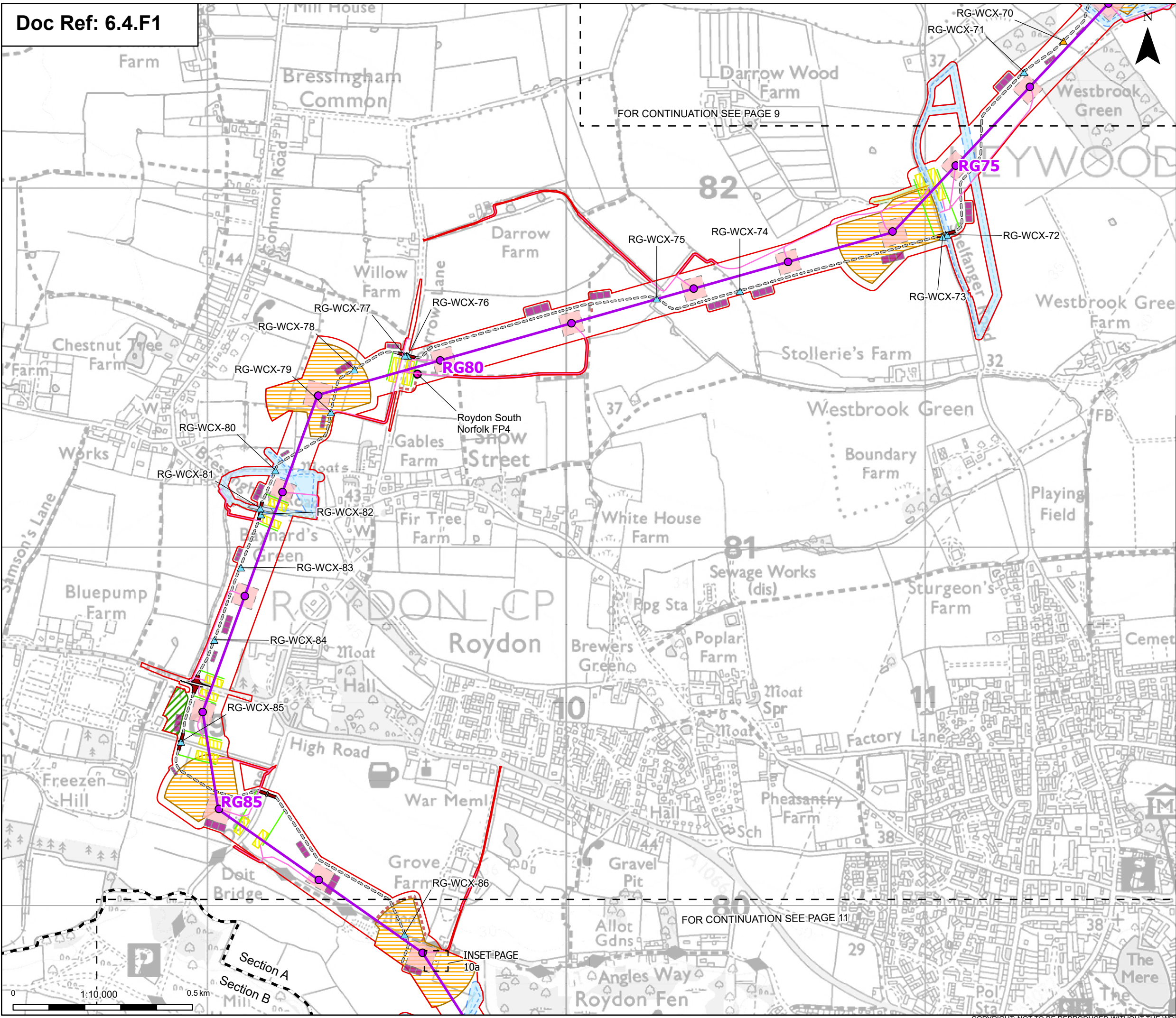
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Proposed Project Design  
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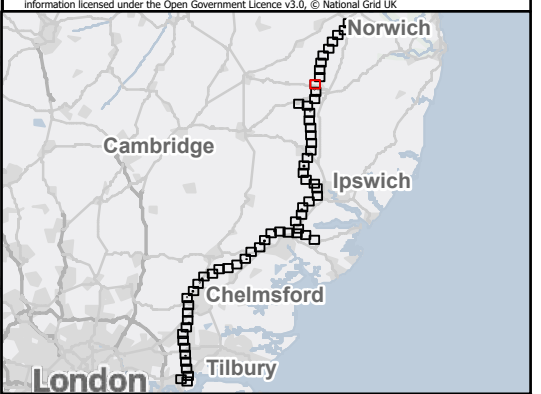
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- Order Limits
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  - Project section line
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed LV overhead line
  - Proposed LV proposed underground cable alignment
  - Proposed construction laydown areas
  - Proposed overhead line construction SuDS basin
  - Proposed site access point
  - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed overhead line crossing protection work area
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed BT overhead line mitigation work area
  - Proposed bellmouth stacking
  - Proposed PRoW diversions
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access watercourse crossing - culvert
  - Proposed overhead line access watercourse crossing - bridge
  - Proposed PRoW temporary diversions - watercourse crossings
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Planning Inspectorate App Number: EN020027  
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 Figure 4.1 - Project Description -  
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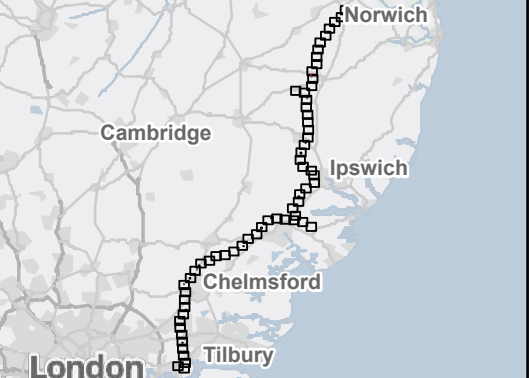
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- Order Limits
- Proposed permanent design details**
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed temporary design details**
- Proposed overhead line construction SuDS basin
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed PRow diversions
- Proposed Environmental Mitigation Areas - Temporary
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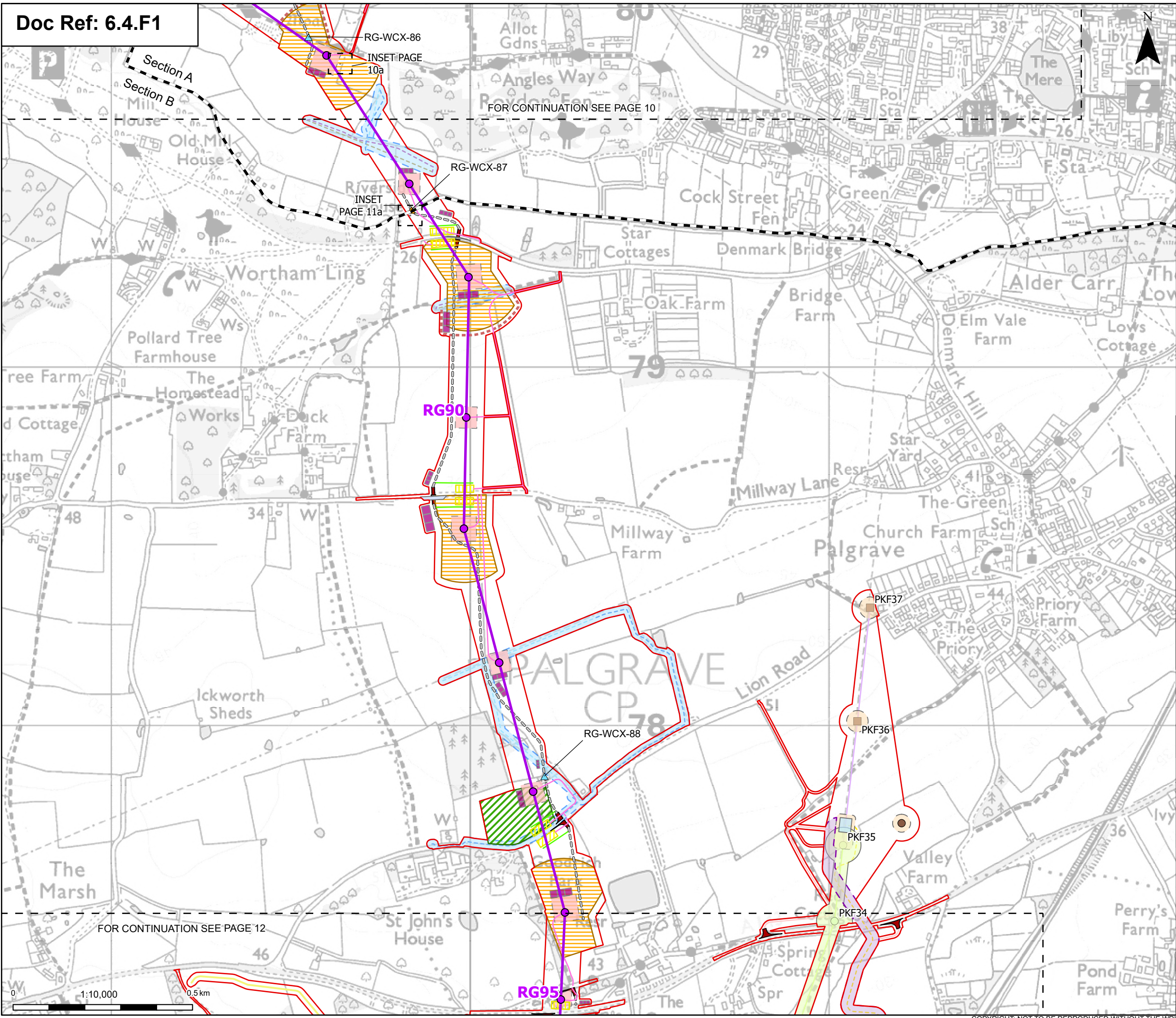
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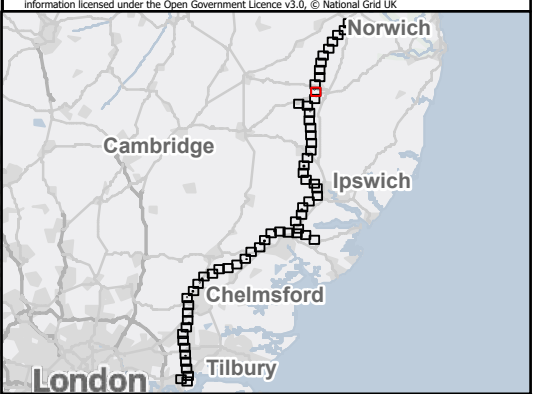






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    - Proposed permanent access (no physical works)
    - Proposed 11kV overhead line mitigation
    - Proposed 11kV underground cable alignment mitigation
    - Proposed 33kV overhead line mitigation
    - Proposed 33kV underground cable alignment mitigation
    - Proposed UKPN overhead line dismantle towers
    - Proposed UKPN overhead line existing tower (to be modified)
    - Proposed UKPN dismantle centreline
    - Proposed UKPN Existing Centreline (Modified)
    - Proposed UKPN Cable Access
    - Proposed UKPN cable centreline
  - Proposed temporary design details
    - Proposed construction laydown areas
    - Proposed overhead line construction SuDS basin
    - Proposed site access point
    - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed overhead line crossing protection work area
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed UKPN overhead line temporary structure (only angles)
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN cable temporary works
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN tower overhead line temporary works
  - Proposed overhead line compound utility connections - electricity
  - Proposed bellmouth stacking
  - Proposed ProW diversions
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access watercourse crossing - culvert
  - Proposed overhead line access watercourse crossing - bridge
- 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
Rev	Date	Description	Drawn	Check	Approv

PROJECT: **Norwich to Tilbury**

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

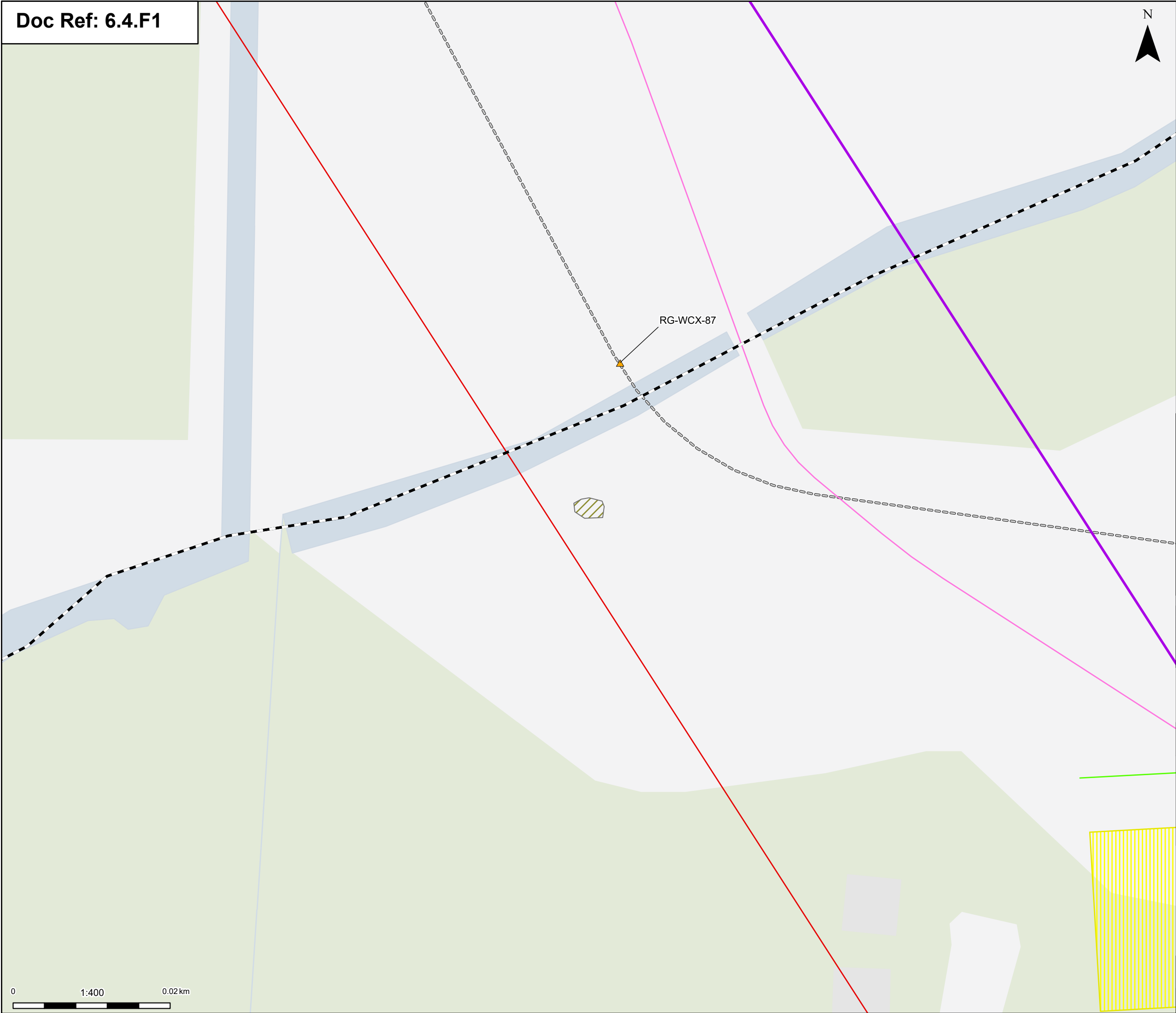
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**Figure 4.1 - Project Description - Proposed Project Design Sections A and B**  
Page 11 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	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: A
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Order Limits

Project section line

**Proposed permanent design details**

Proposed overhead line alignment

Proposed permanent access (no physical works)

Proposed temporary haul road

Proposed overhead line crossing protection access route

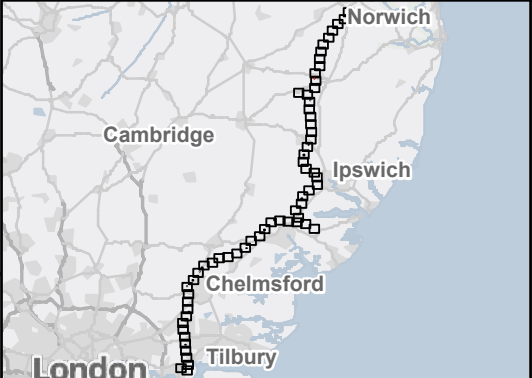
Proposed overhead line crossing protection work area

Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - bridge

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
Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
Norwich to  
Tilbury

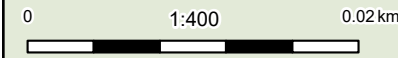
Planning Inspectorate App Number: EN020027  
Regulation 5(2)(a)

Title:  
**Figure 4.1 - Project Description -  
Proposed Project Design  
Section B  
Page 11a of 63**

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:400	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
**Accepted as Concept Stage**

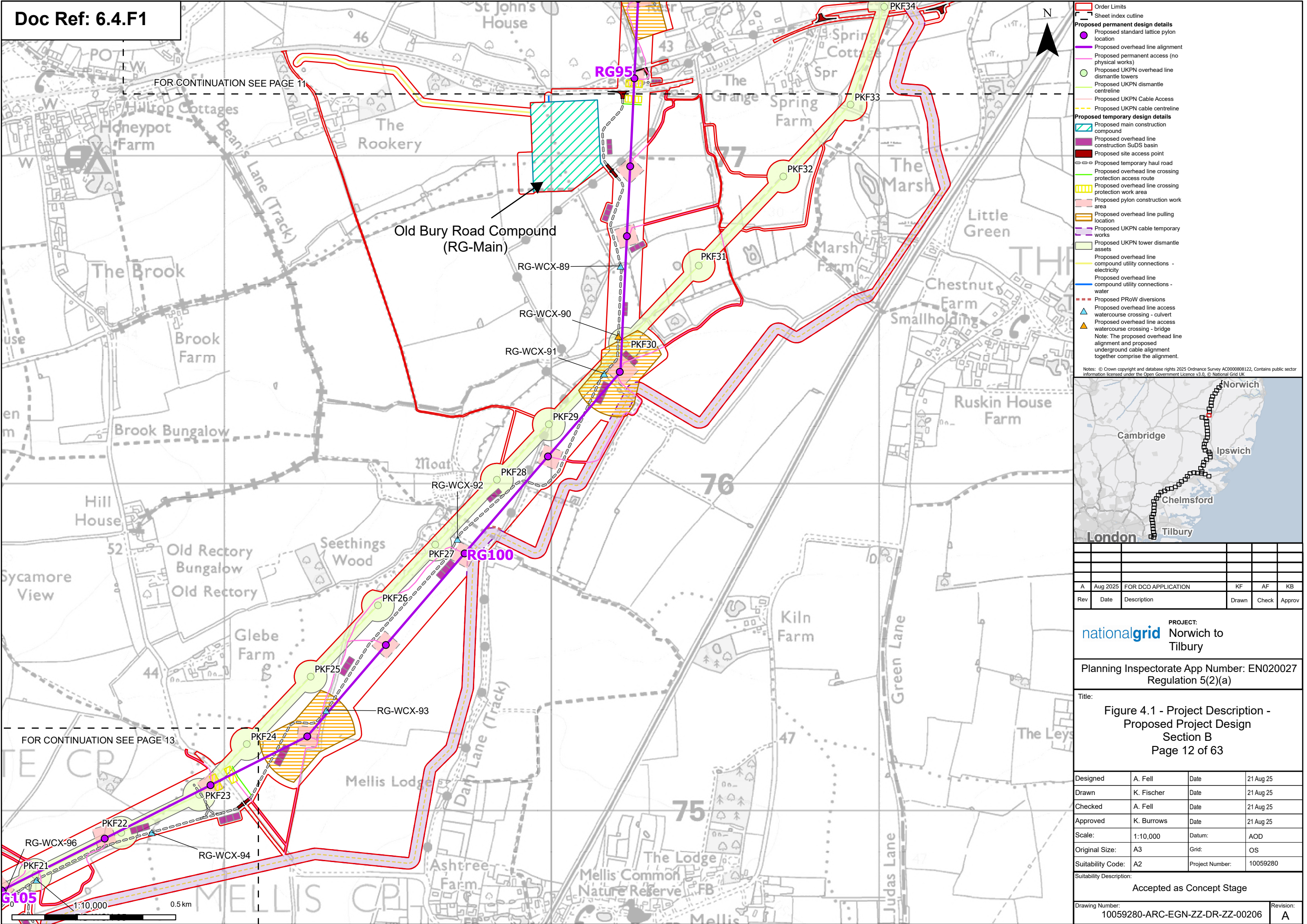
Drawing Number: <b>10059280-ARC-EGN-ZZ-DR-ZZ-00206</b>	Revision: <b>A</b>
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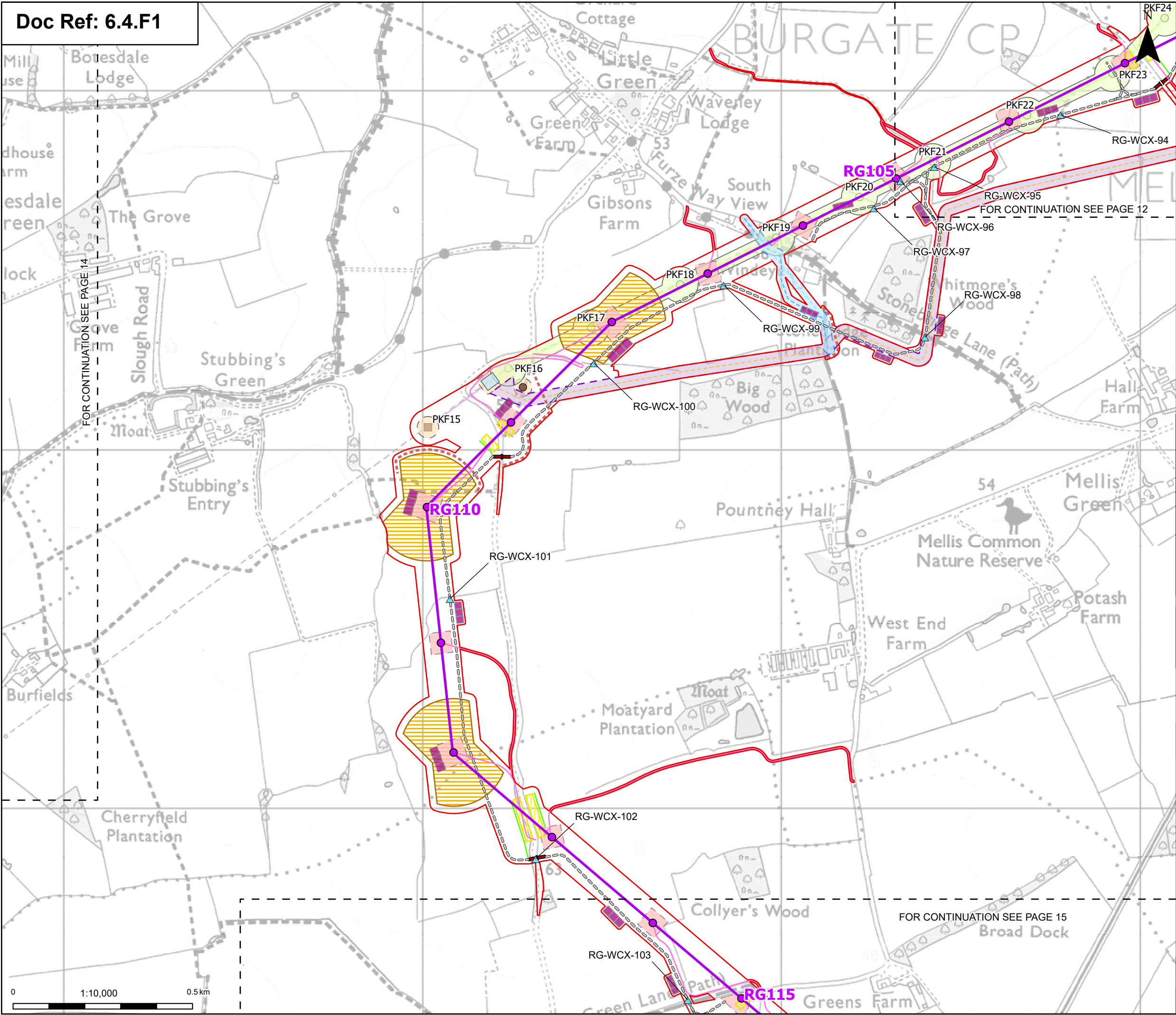


FOR CONTINUATION SEE PAGE 11

FOR CONTINUATION SEE PAGE 13

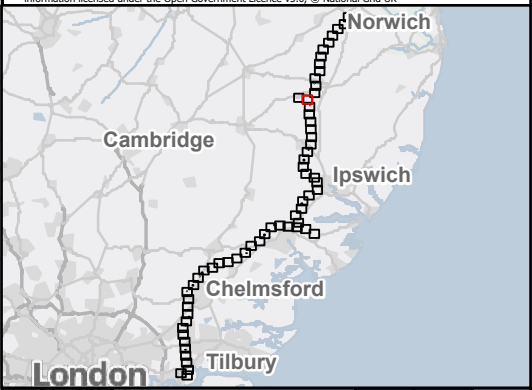






- Order Limits
- Sheet index cutline
- Proposed permanent design details
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed UKPN dismantle centreline
  - Proposed UKPN Existing Centreline (Modified)
  - Proposed UKPN cable centreline
- Proposed temporary design details
  - Proposed overhead line construction SuDS basin
  - Proposed site access point
  - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed overhead line crossing protection work area
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed UKPN overhead line temporary structure (only angles)
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN cable temporary works
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN tower overhead line temporary works
  - Proposed ProW diversions
  - Proposed overhead line access watercourse crossing - culvert
- 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

PROJECT:  
nationalgrid Norwich to Tilbury

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

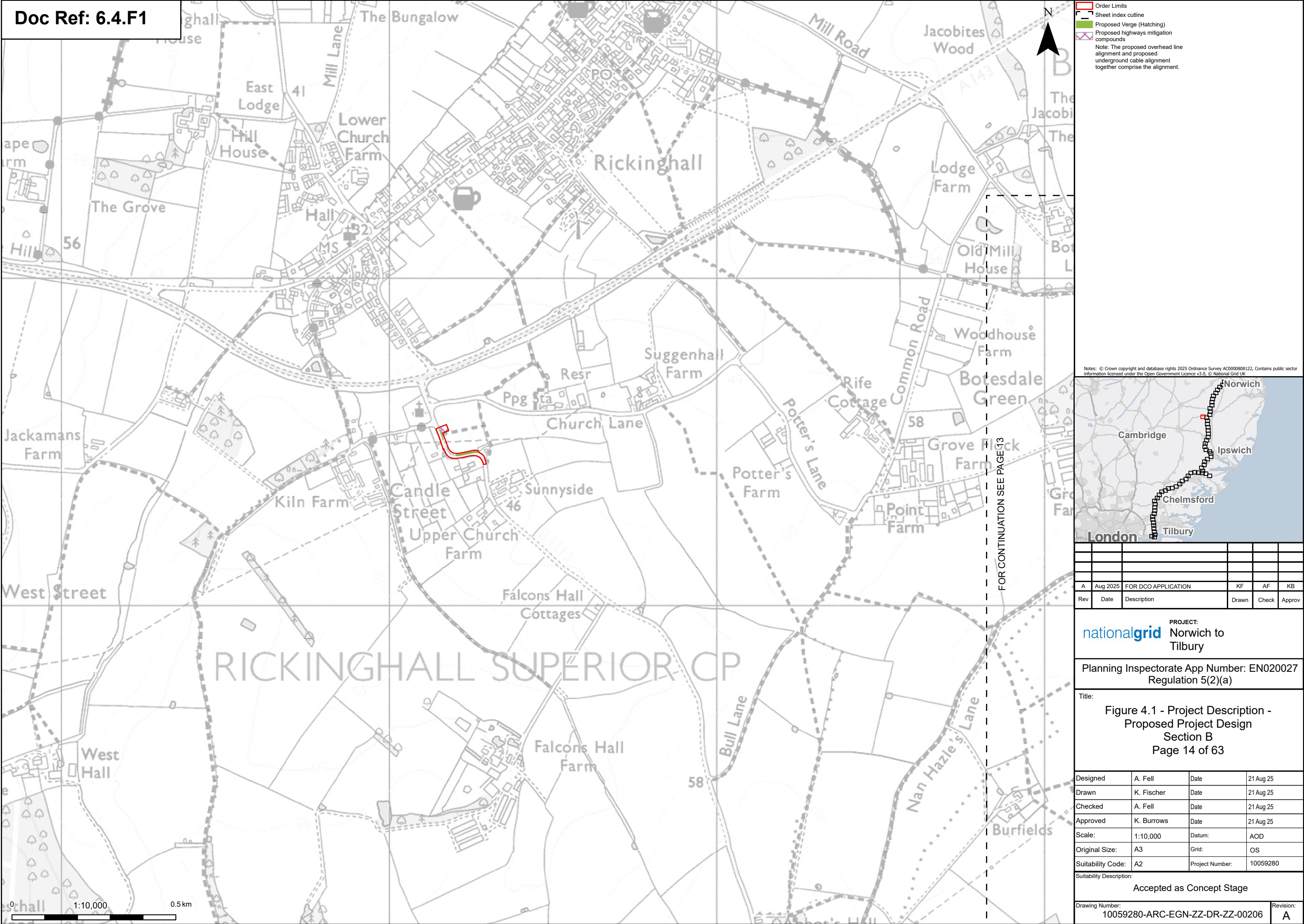
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Figure 4.1 - Project Description -  
Proposed Project Design  
Section B  
Page 13 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

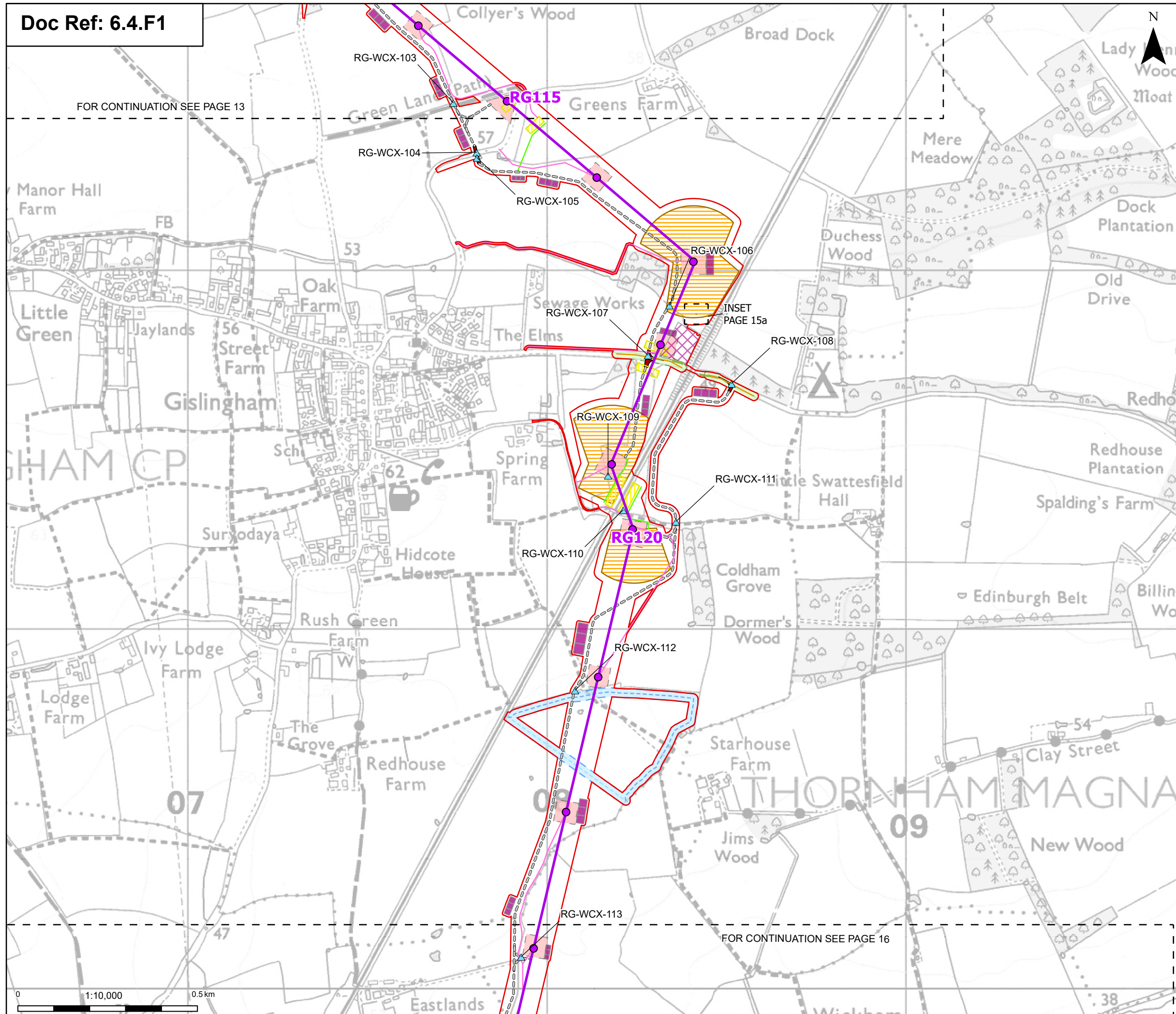
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








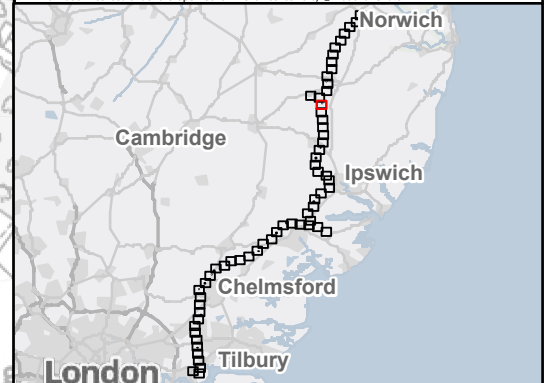
FOR CONTINUATION SEE PAGE 13



-  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 Verge (Hatching)
    -  Proposed 11kV overhead line mitigation
    -  Proposed 11kV underground cable alignment mitigation
  - Proposed temporary design details**
    -  Proposed overhead line construction SuDS basin
    -  Proposed site access point
    -  Proposed temporary haul road
    -  Proposed overhead line crossing protection access route
    -  Proposed overhead line crossing protection work area
    -  Proposed pylon construction work area
    -  Proposed overhead line pulling location
    -  Proposed UKPN overhead line mitigation work area (wood pole line)
    -  Proposed BT overhead line mitigation work area
    -  Proposed highways mitigation compounds
    -  Proposed Environmental Mitigation Areas - Temporary
    -  Proposed overhead line access watercourse crossing - culvert

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

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**nationalgrid** PROJECT: Norwich to Tilbury

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

Title: Figure 4.1 - Project Description -  
Proposed Project Design  
Section B  
Page 15 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

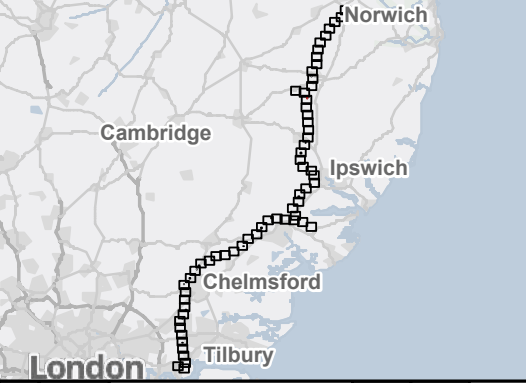
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10059280-ARC-EGN-ZZ-DR-ZZ-00206	A





- Order Limits
- Proposed permanent design details**
- Proposed overhead line alignment
- Proposed temporary design details**
- Proposed overhead line construction SuDS basin
- Proposed temporary haul road
- Proposed overhead line pulling location
- Proposed highways mitigation compounds
- Proposed Environmental Mitigation Areas - Temporary
- 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

PROJECT:  
nationalgrid Norwich to  
Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section B  
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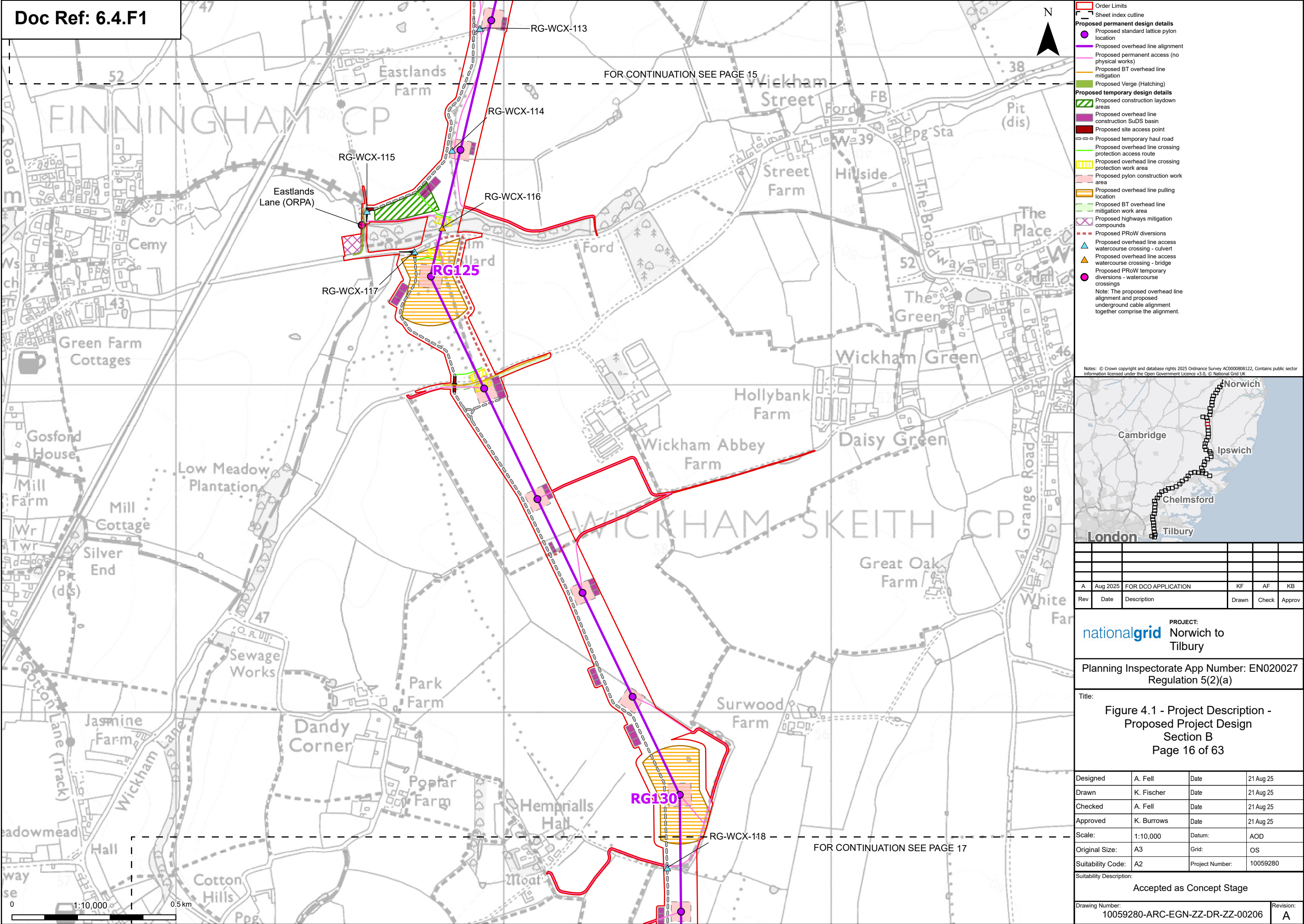
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Description:  
Accepted as Concept Stage

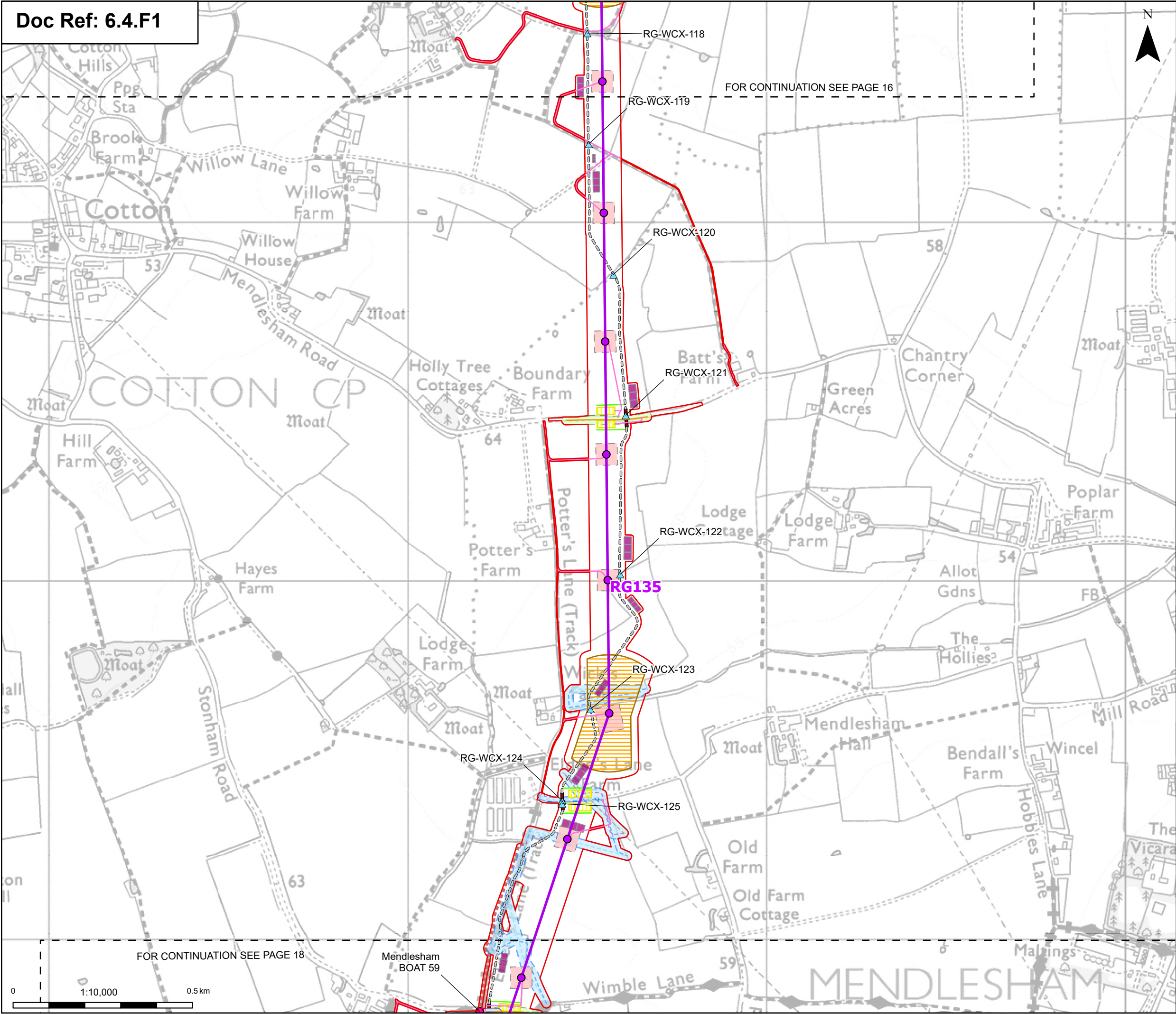
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Order Limits

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

Proposed temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed bellmouth stacking

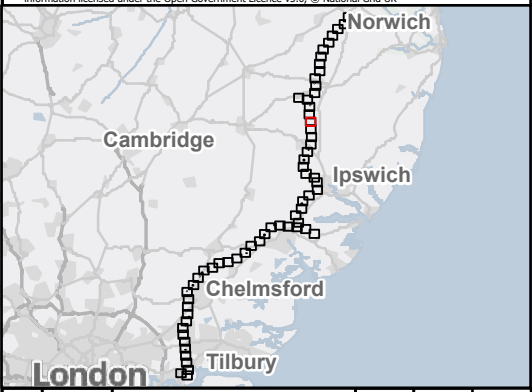
Proposed PRow diversions

Proposed overhead line access watercourse crossing - culvert

Proposed PRow temporary diversions - watercourse crossings

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 4.1 - Project Description -  
Proposed Project Design  
Section B  
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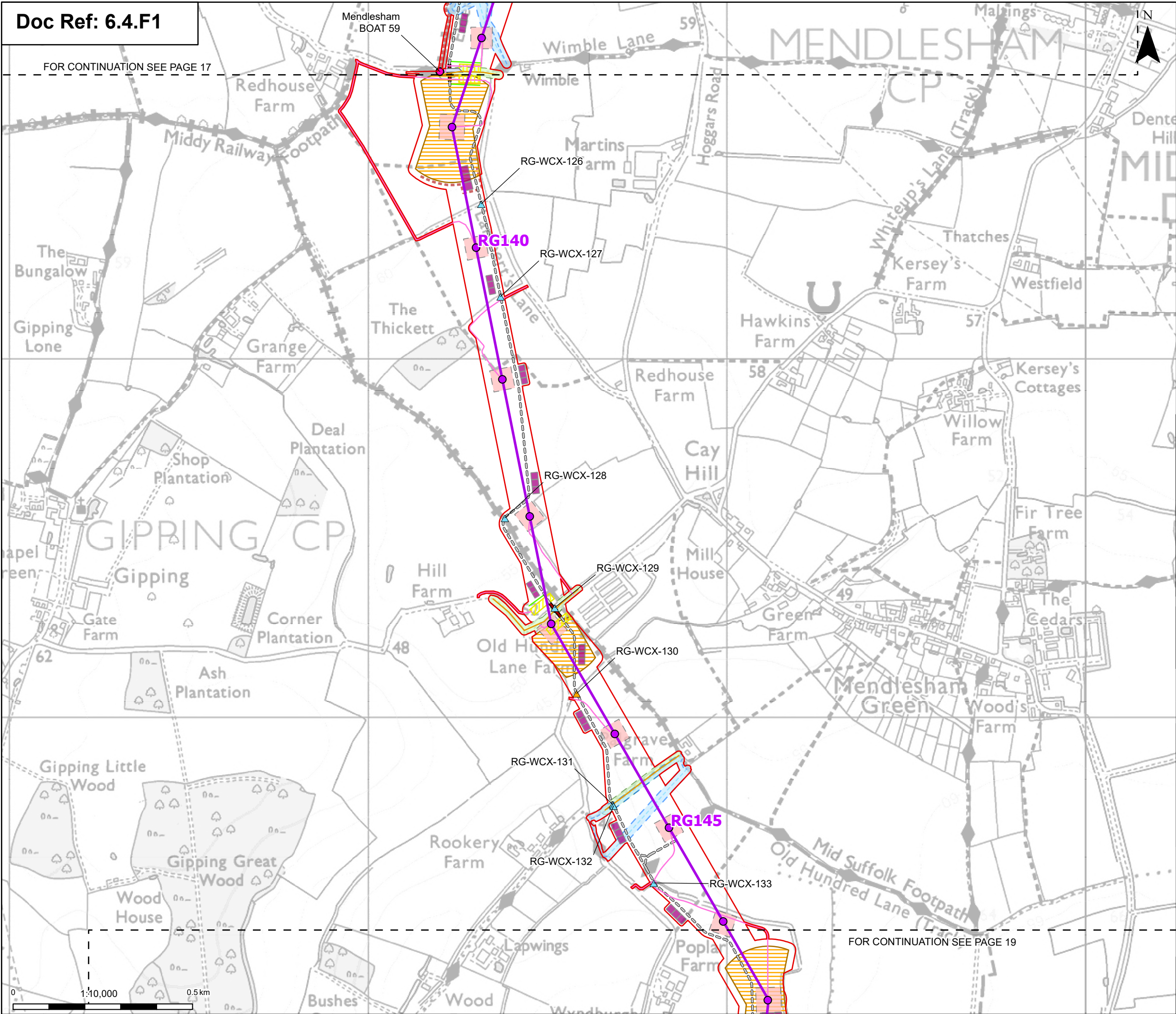
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Checked	A. Fell	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

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

Proposed temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed bellmouth stacking

Proposed PRoW diversions

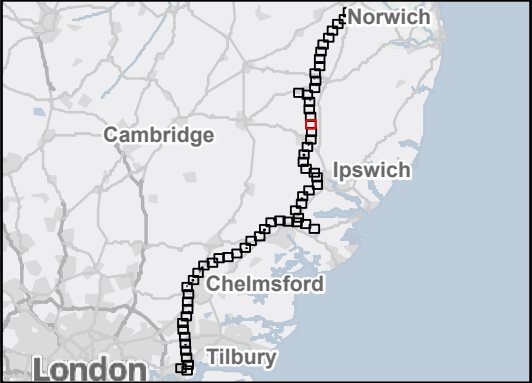
Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

Proposed PRoW temporary diversions - watercourse crossings

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

nationalgrid

PROJECT:  
Norwich to  
Tilbury

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

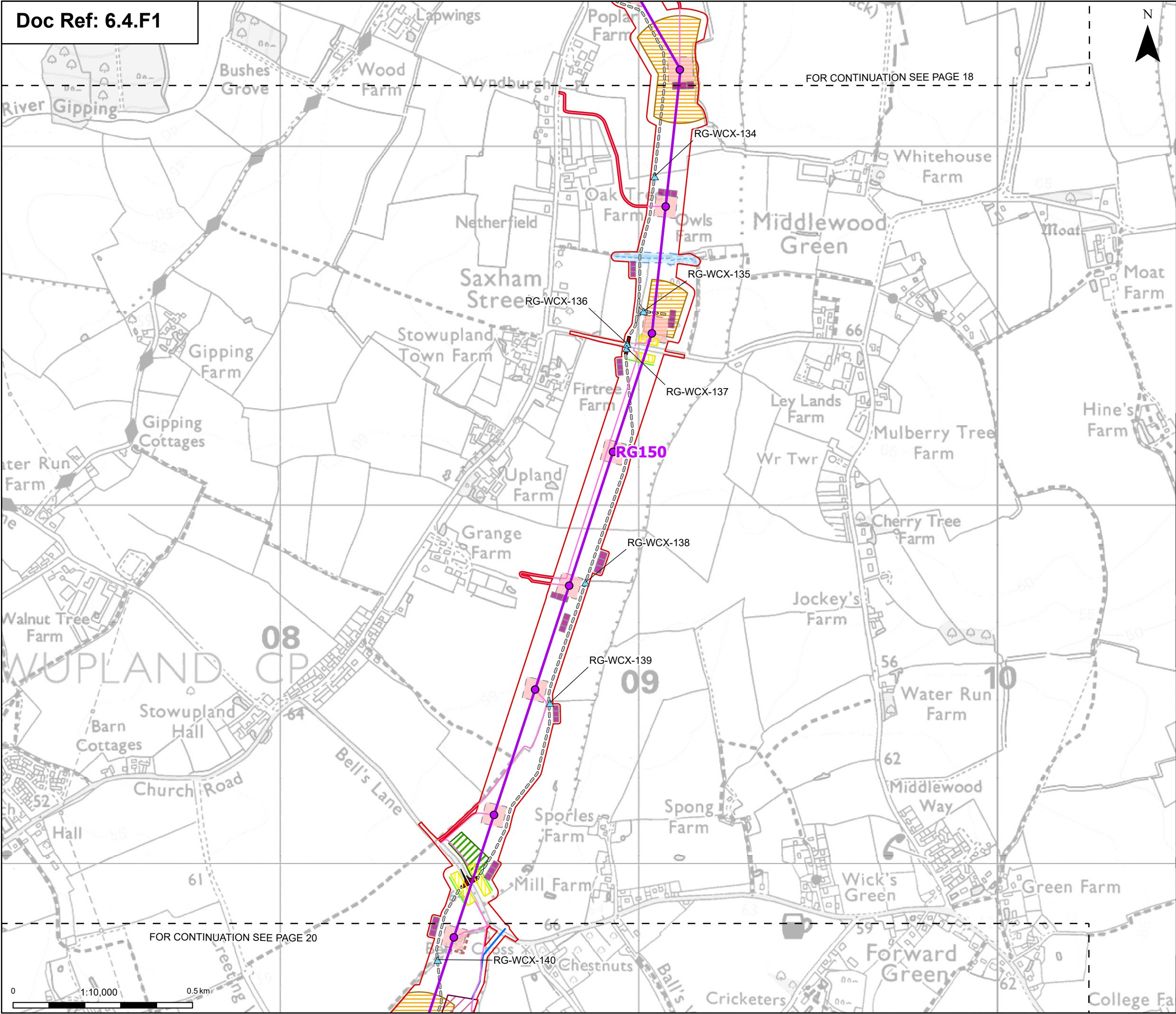
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Proposed Project Design  
Section B  
Page 18 of 63

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Approved	K. Burrows	Date	21 Aug 25
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: A
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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 temporary design details

Proposed satellite construction compound

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

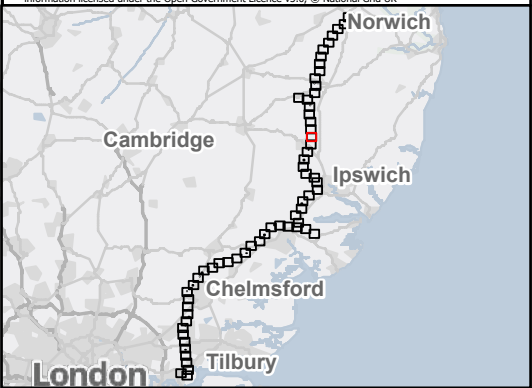
Proposed overhead line compound utility connections - water

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

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)

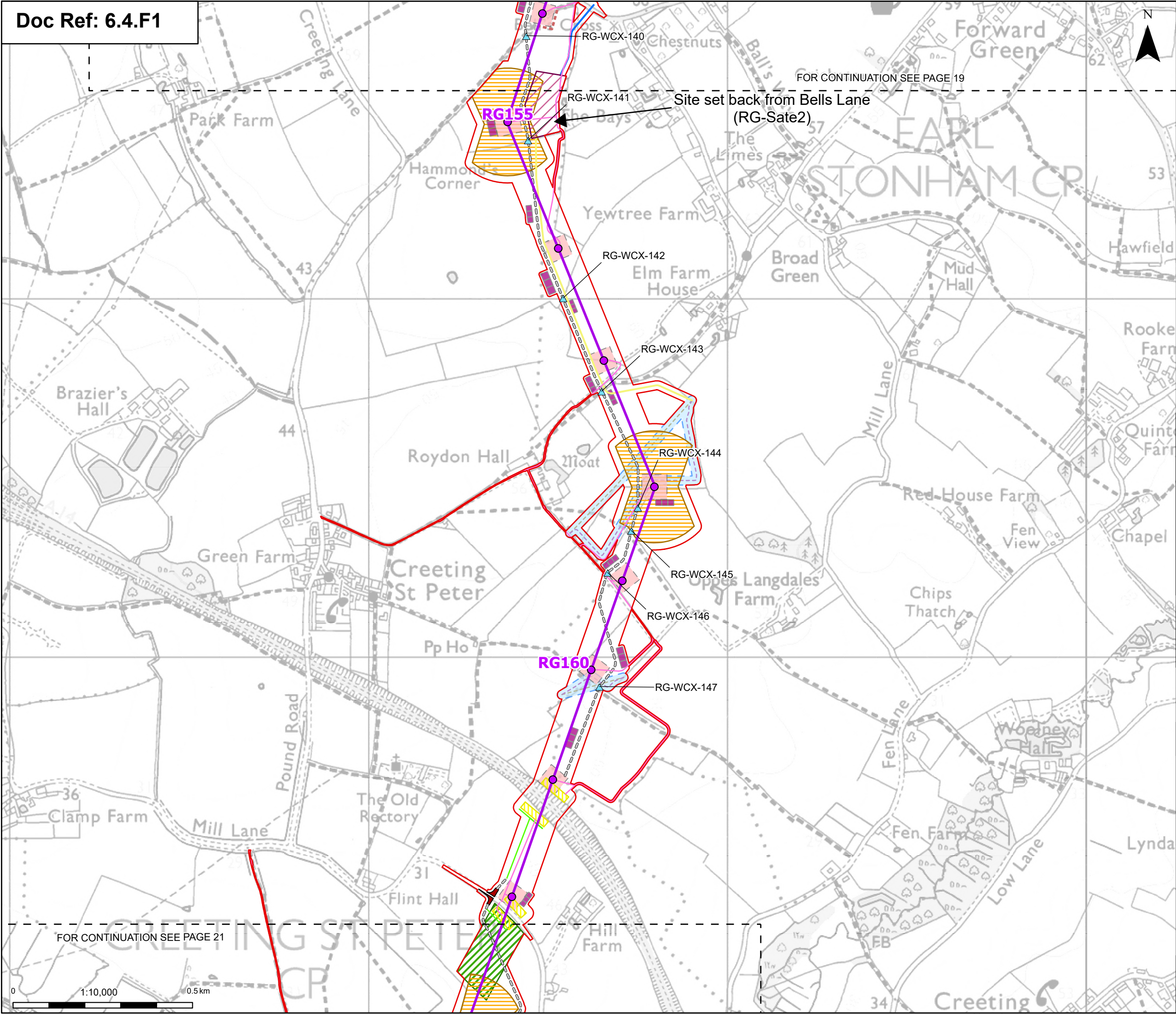
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Proposed Project Design  
Section B  
Page 19 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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: A
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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 33kV overhead line mitigation

Proposed 33kV underground cable alignment mitigation

Proposed temporary design details

Proposed satellite construction compound

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed overhead line compound utility connections - electricity

Proposed overhead line compound utility connections - water

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

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

Notes:

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PROJECT:  
nationalgrid Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section B  
Page 20 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
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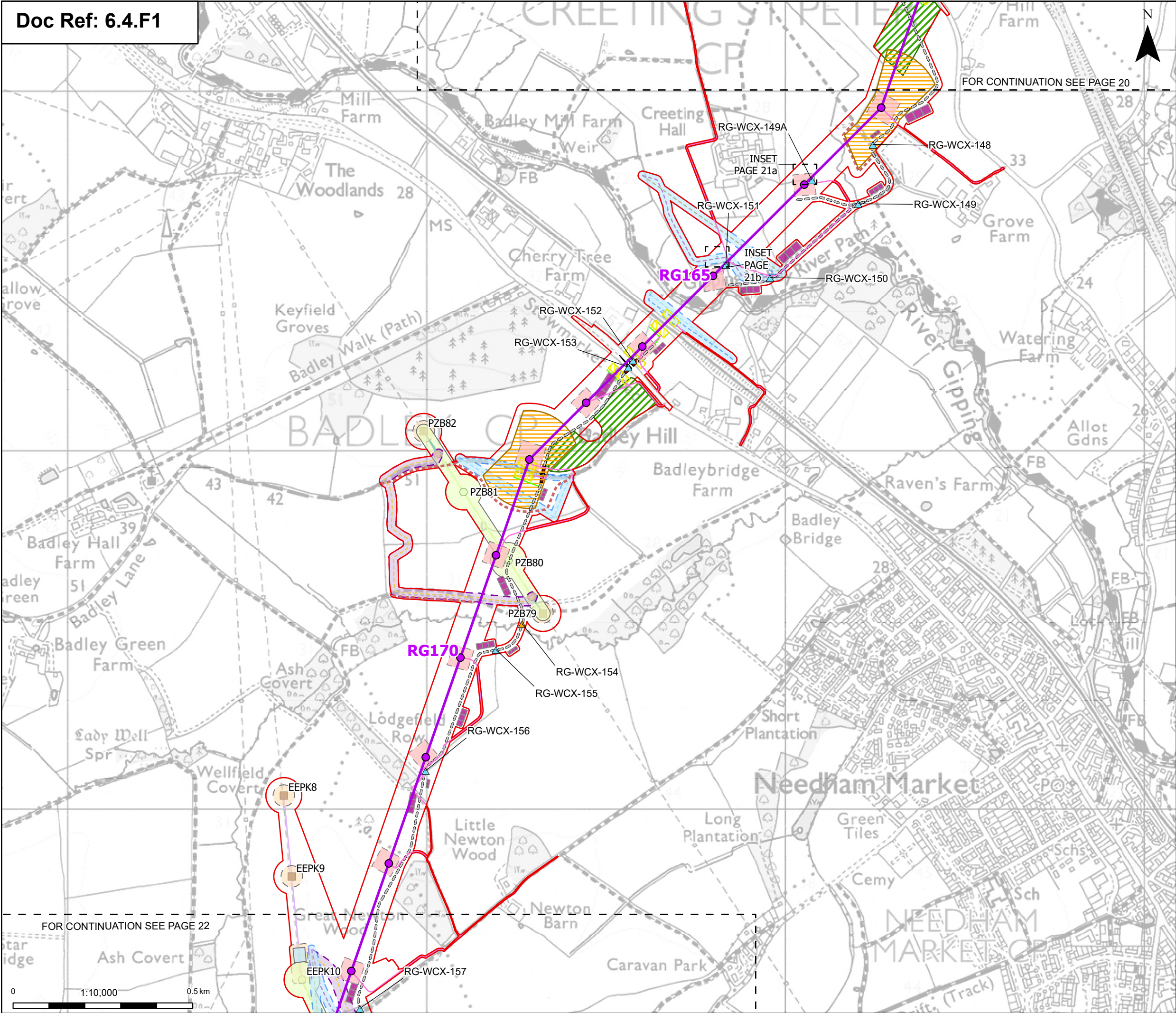
Suitability Description:  
Accepted as Concept Stage

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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

Proposed 33kV overhead line mitigation

Proposed 33kV underground cable alignment mitigation

Proposed UKPN overhead line dismantle towers

Proposed UKPN overhead line existing tower (to be modified)

Proposed UKPN overhead line new H pole

Proposed UKPN dismantle centreline

Proposed UKPN Existing Centreline (Modified)

Proposed UKPN New Centreline

Proposed UKPN cable centreline

Proposed temporary design details

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN cable sealing end platform

Proposed UKPN cable temporary works

Proposed UKPN tower dismantle assets

Proposed UKPN tower overhead line temporary works

Proposed PRoW diversions

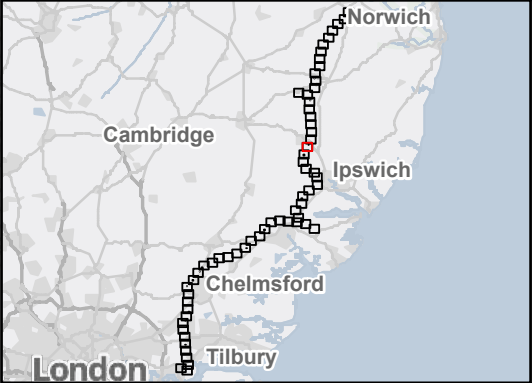
Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

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 4.1 - Project Description -  
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Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Description:  
Accepted as Concept Stage

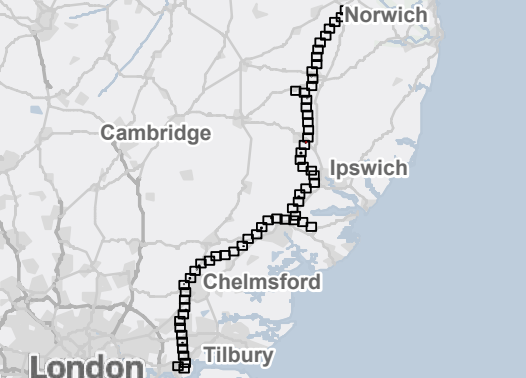
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- Order Limits
- Proposed permanent design details**
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed temporary design details**
- Proposed pylon construction work area
- Proposed Environmental Mitigation Areas - Temporary
- Proposed overhead line access watercourse crossing - culvert
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT:  
Norwich to  
Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section B  
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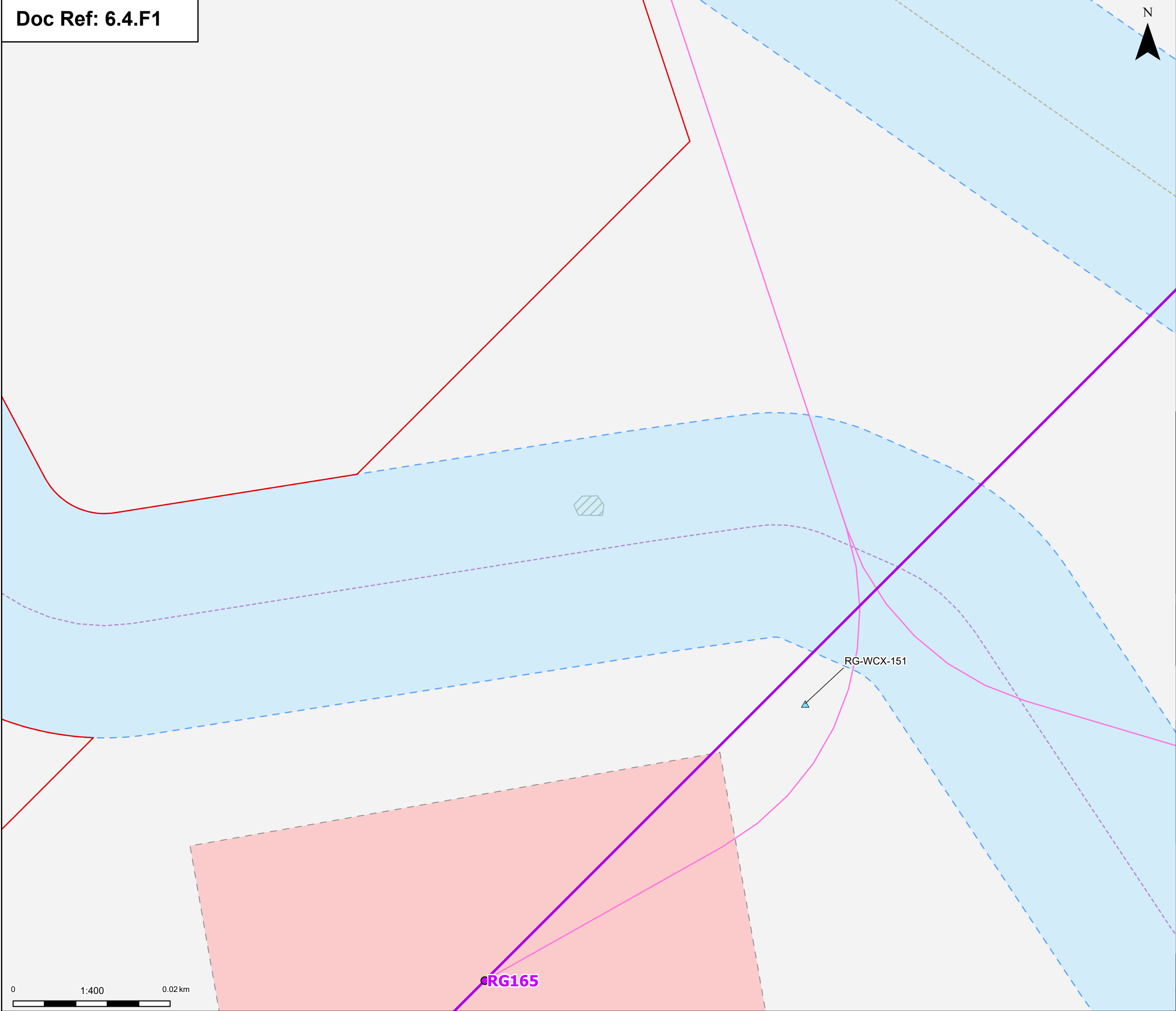
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Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

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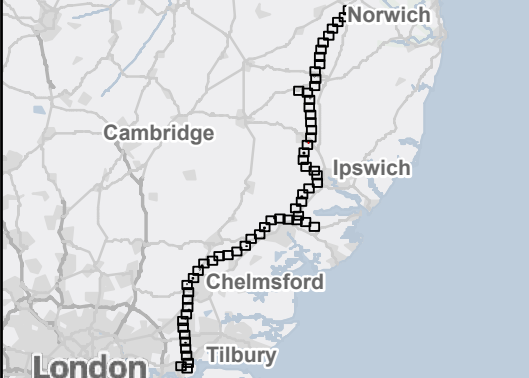






- Order Limits**
- Proposed permanent design details
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    - Proposed overhead line alignment
    - Proposed permanent access (no physical works)
    - Proposed 33kV overhead line mitigation
    - Proposed 33kV underground cable alignment mitigation
  - Proposed temporary design details
    - Proposed pylon construction work area
    - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access watercourse crossing - culvert
- 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

PROJECT:  
Norwich to  
Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section B  
Page 21b of 63

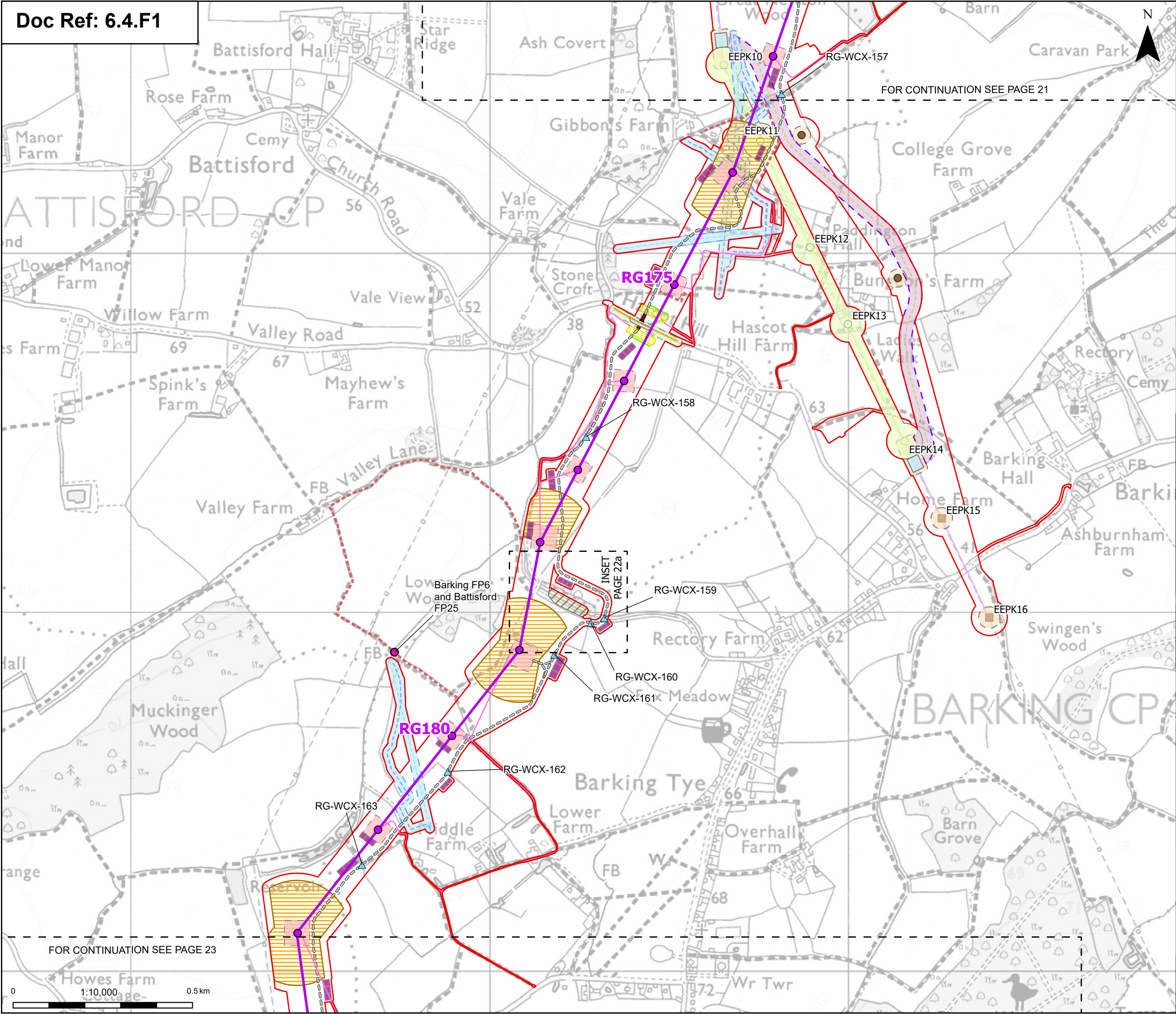
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:400	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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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
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN dismantle centreline
- Proposed UKPN cable centreline

Proposed temporary design details

- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN overhead line temporary structure (only angles)

Proposed UKPN cable sealing end platform

Proposed UKPN cable temporary works

Proposed UKPN tower dismantle assets

Proposed UKPN tower overhead line temporary works

Proposed BT overhead line mitigation work area

Proposed bellmouth stacking

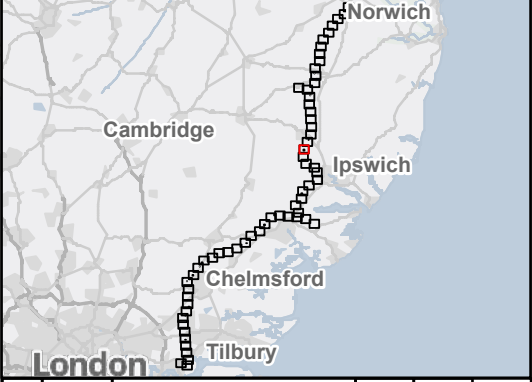
Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - culvert

Proposed PRow temporary diversions - watercourse crossings

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)

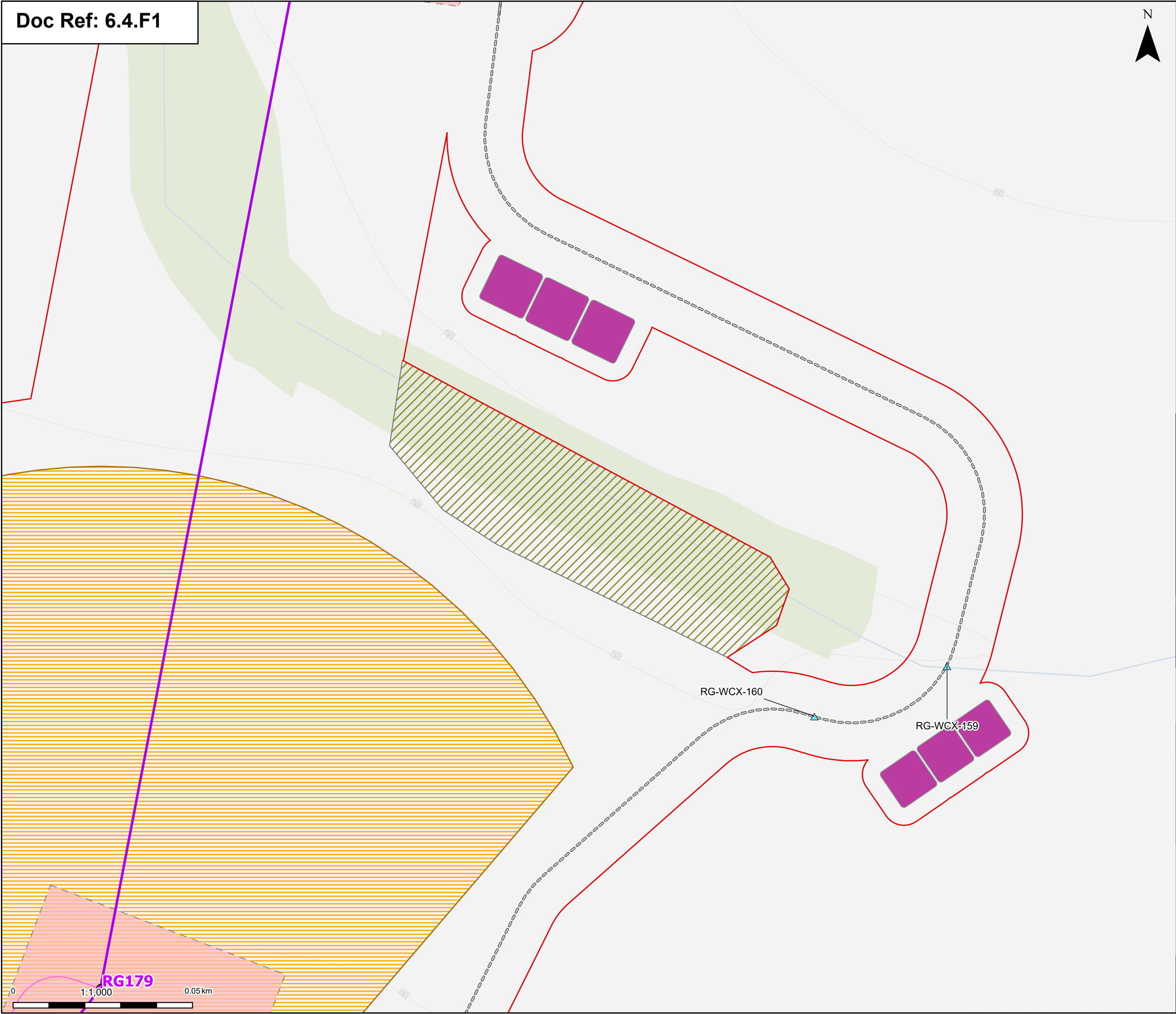
Title: Figure 4.1 - Project Description - Proposed Project Design Section B Page 22 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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Suitability Description: Accepted as Concept Stage

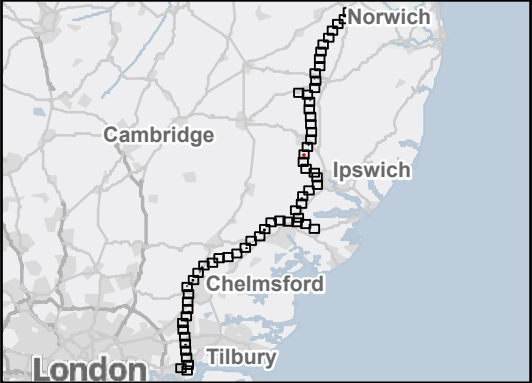
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- Order Limits
- Proposed permanent design details
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
- Proposed temporary design details
  - Proposed overhead line construction SuDS basin
  - Proposed temporary haul road
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access watercourse crossing - culvert
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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PROJECT: Norwich to Tilbury

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

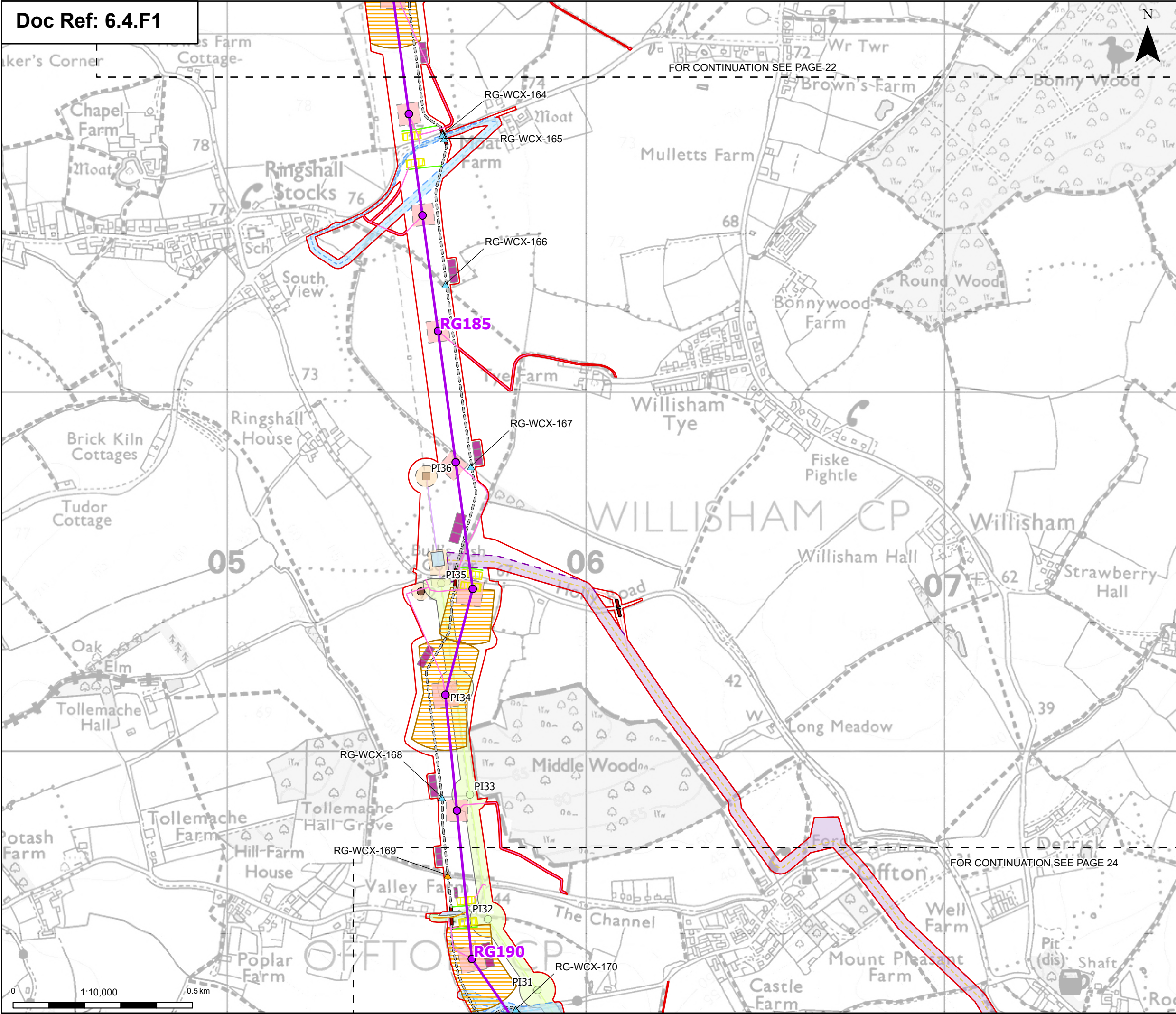
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Figure 4.1 - Project Description -  
Proposed Project Design  
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Scale:	1:1,000	Datum:	AOD
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Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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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 UKPN overhead line dismantle towers

Proposed UKPN overhead line existing tower (to be modified)

Proposed UKPN dismantle centreline

Proposed UKPN Existing Centreline (Modified)

Proposed UKPN Cable Access

Proposed UKPN cable centreline

Proposed temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN overhead line temporary structure (only angles)

Proposed UKPN cable sealing end platform

Proposed UKPN cable temporary works

Proposed UKPN tower dismantle assets

Proposed UKPN tower overhead line temporary works

Proposed BT overhead line mitigation work area

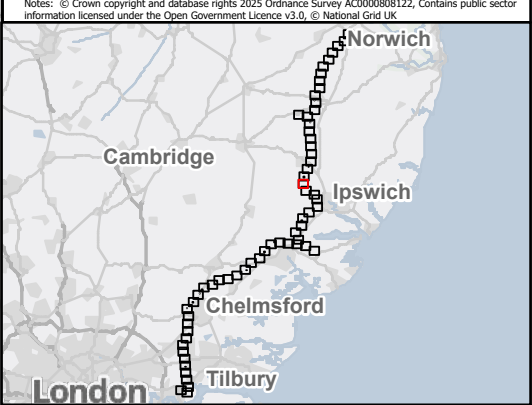
Proposed bellmouth stacking

Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

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)

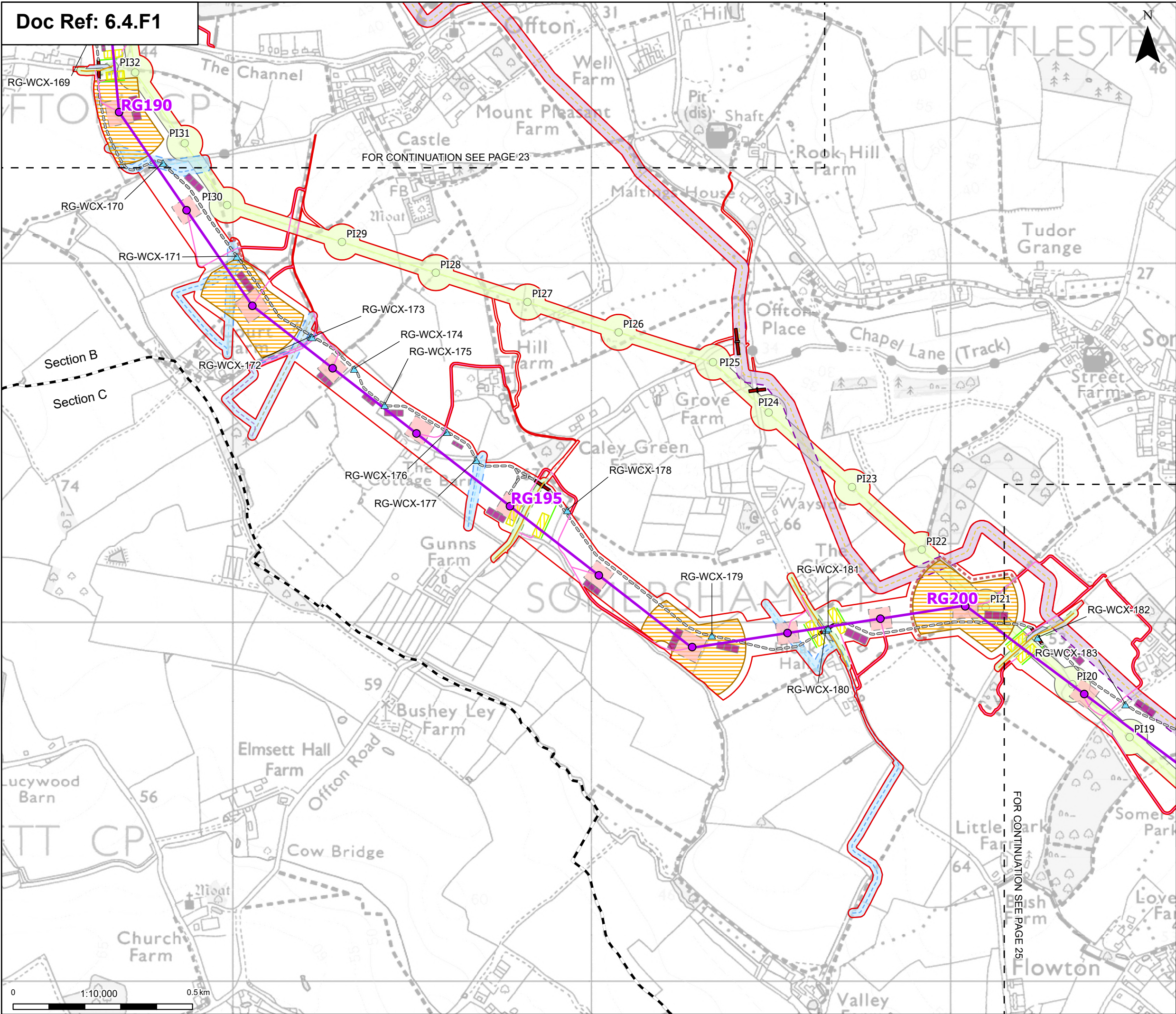
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Section B  
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Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

Sheet index cutline

Project section line

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

Proposed UKPN overhead line dismantle towers

Proposed UKPN dismantle centreline

Proposed UKPN Cable Access

Proposed UKPN cable centreline

Proposed temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN cable temporary works

Proposed UKPN tower dismantle assets

Proposed BT overhead line mitigation work area

Proposed bellmouth stacking

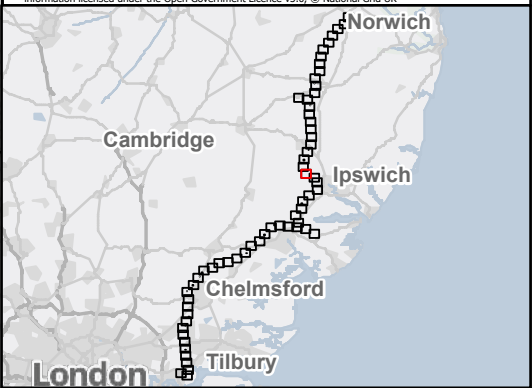
Proposed PRow diversions

Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

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

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Tilbury

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Regulation 5(2)(a)

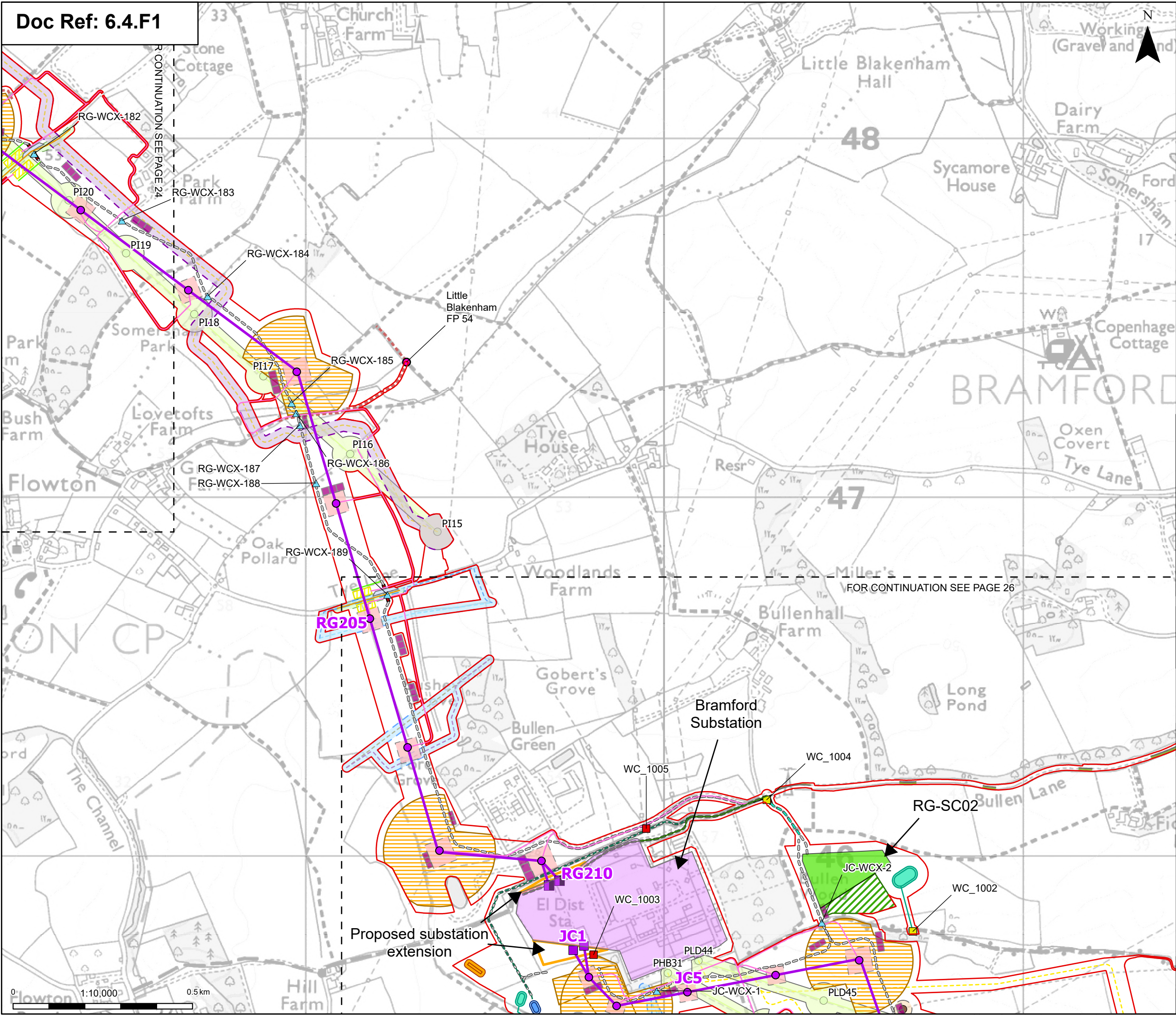
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Proposed Project Design  
Sections B and C  
Page 24 of 63

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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: A
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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 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 Verge (Hatching)

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed permanent spoil bund hatch

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed 33kV overhead line mitigation

Proposed 33kV underground cable alignment mitigation

Proposed UKPN overhead line dismantle towers

Proposed UKPN dismantle centreline

Proposed UKPN cable centreline

Proposed permanent road widening

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent

Proposed temporary design details

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed construction laydown areas

Proposed temporary attenuation drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed bypass haul road

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN overhead line temporary structure (only angles)

Proposed UKPN cable temporary works

Proposed UKPN tower dismantle assets

Proposed UKPN tower overhead line temporary works

Proposed BT overhead line mitigation work area

Proposed outfall location

Proposed bellmouth stacking

Proposed PRoW diversions

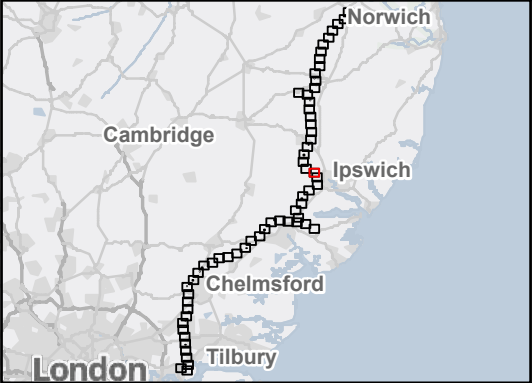
Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary

Proposed overhead line access watercourse crossing - culvert

Proposed PRoW temporary diversions - watercourse crossings

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

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Regulation 5(2)(a)

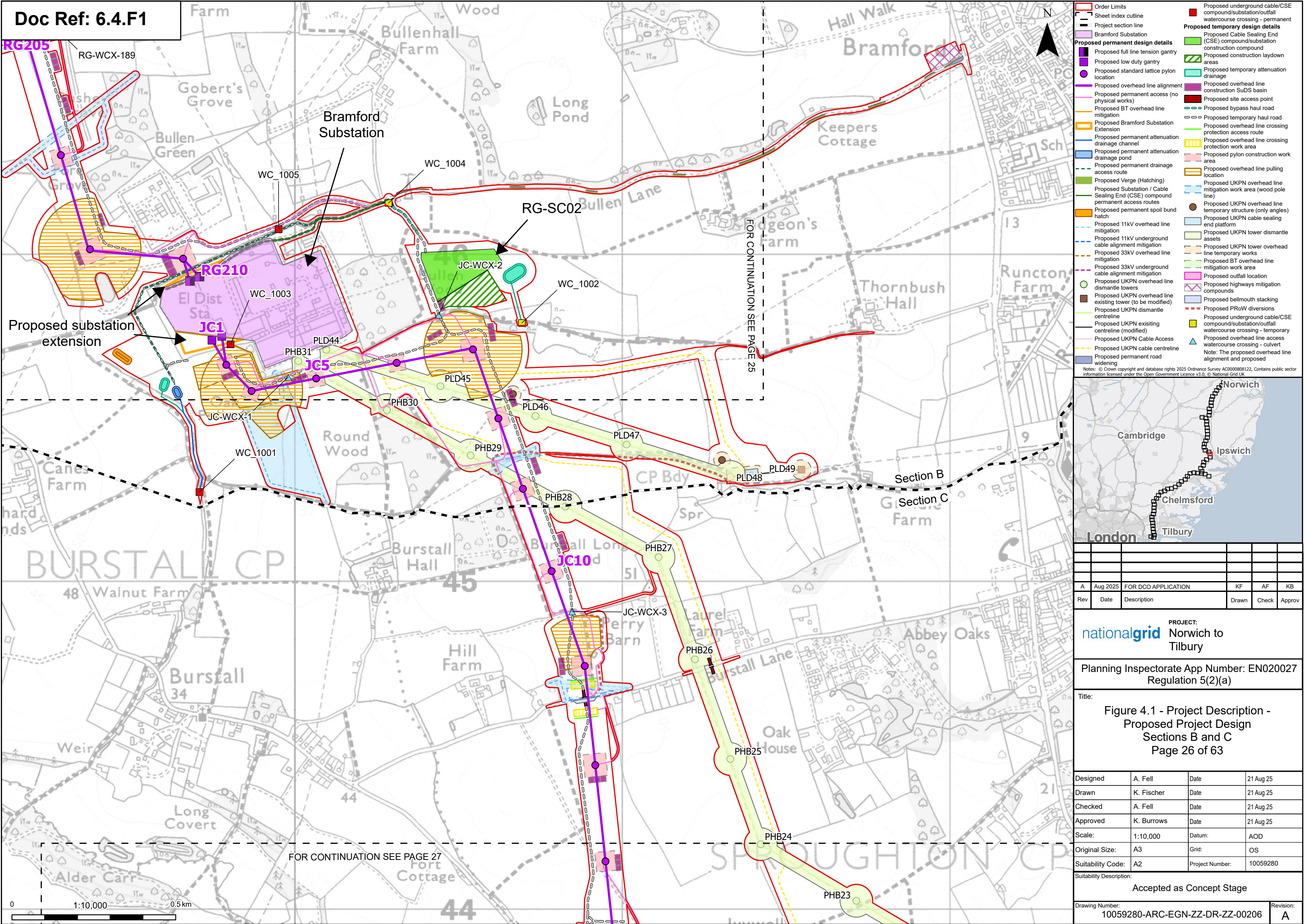
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**Figure 4.1 - Project Description - Proposed Project Design Section B**  
Page 25 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

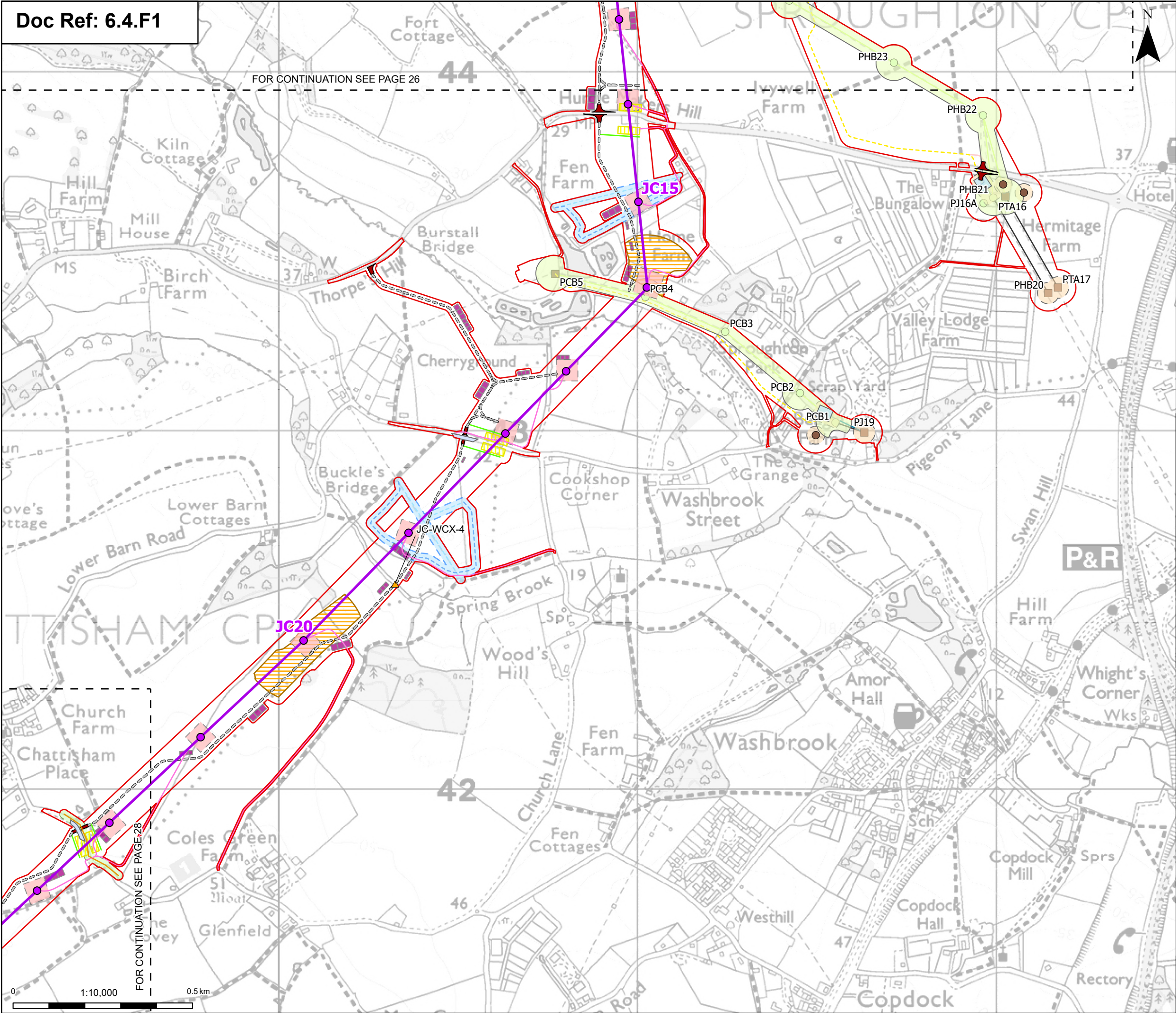
Suitability Description:  
Accepted as Concept Stage

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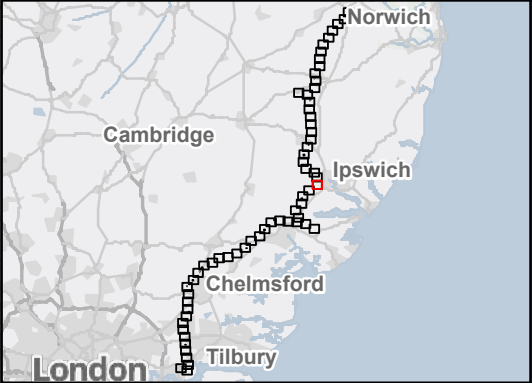






- Order Limits
  - Sheet index outline
  - Proposed permanent design details
    - Proposed standard lattice pylon location
    - Proposed overhead line alignment
    - Proposed permanent access (no physical works)
    - Proposed BT overhead line mitigation
    - Proposed 11kV overhead line mitigation
    - Proposed 11kV underground cable alignment mitigation
    - Proposed UKPN overhead line dismantle towers
    - Proposed UKPN overhead line existing tower (to be modified)
    - Proposed UKPN dismantle centreline
    - Proposed UKPN existing centreline (modified)
    - Proposed UKPN New Centreline
    - Proposed UKPN Cable Access
    - Proposed UKPN cable centreline
  - Proposed temporary design details
    - Proposed overhead line construction SuDS basin
    - Proposed site access point
  - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed overhead line crossing protection work area
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed UKPN overhead line temporary structure (only angles)
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN tower overhead line temporary works
  - Proposed BT overhead line mitigation work area
  - Proposed bellmouth stacking
  - Proposed overhead line access watercourse crossing - bridge
- 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)

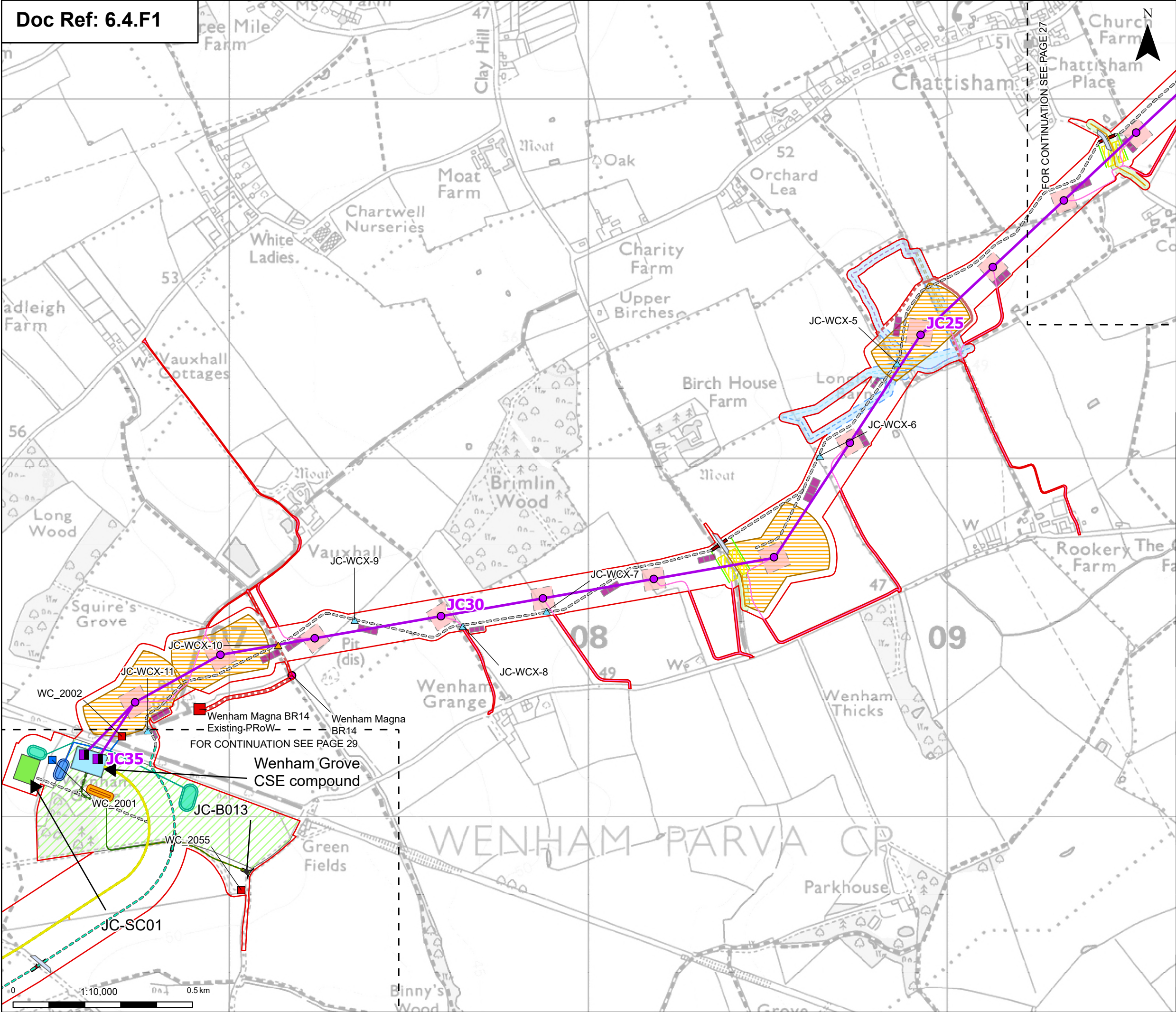
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Proposed Project Design  
Section C  
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

Sheet index outline

Proposed permanent design details

Proposed full line tension gantry location

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 cable sealing end (CSE) compound

Proposed permanent attenuation drainage channel

Proposed permanent attenuation drainage pond

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed cable permanent access (no physical works)

Proposed permanent spoil bund hatch

Proposed Environmental Areas - Permanent

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed 33kV overhead line mitigation

Proposed 33kV underground cable alignment mitigation

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

Proposed temporary design details

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed temporary attenuation drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed bypass haul road

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed outfall location

Proposed bellmouth stacking

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

Proposed PRoW temporary diversions - watercourse crossings

Proposed PRoW temporary stopped up - watercourse

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 4.1 - Project Description -  
Proposed Project Design  
Section C  
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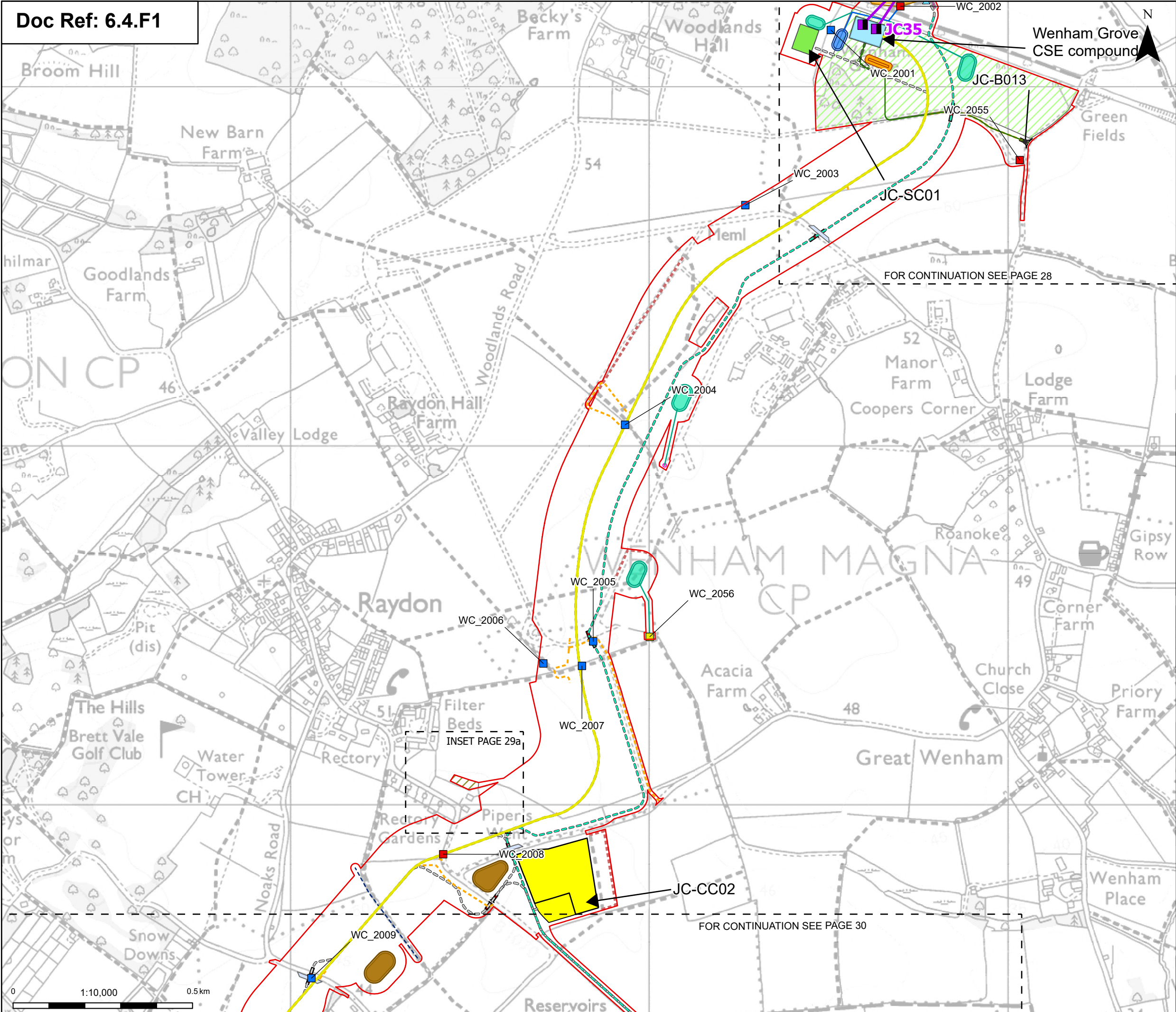
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Drawn	K. Fischer	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
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**Order Limits**

**Sheet index outline**

**Proposed permanent design details**

- Proposed full line tension gantry
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end (CSE) compound
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
- Proposed cable permanent access (no physical works)
- Proposed permanent spoil bund hatch
- Proposed Environmental Areas - Permanent
- 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

**Proposed temporary design details**

- Proposed underground cable construction compound

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed temporary attenuation drainage

Proposed temporary infiltration drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed bypass haul road

Proposed temporary haul road

Proposed overhead line pulling location

Proposed UKPN pole uplifting

Proposed concrete batching compound

Proposed outfall location

Proposed bellmouth stacking

Proposed PRoW diversions

Proposed Environmental Mitigation Areas - Temporary

**Proposed temporary design details**

- Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary
- Proposed overhead line access watercourse crossing - culvert

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: EN02027  
Regulation 5(2)(a)

Title:

Figure 4.1 - Project Description -  
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Section C  
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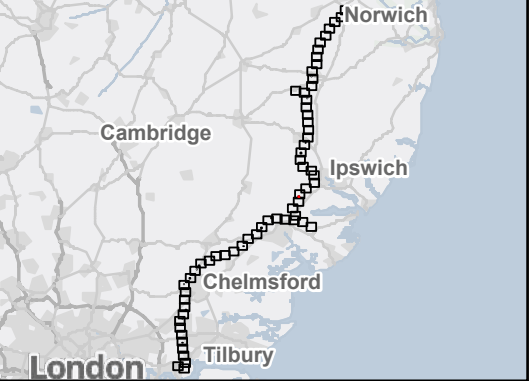
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- Order Limits
  - Proposed permanent design details
    - Proposed underground cable alignment
    - Proposed bypass haul road
    - Proposed temporary haul road
    - Proposed Environmental Mitigation Areas - Temporary
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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Planning Inspectorate App Number: EN020027  
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Figure 4.1 - Project Description -  
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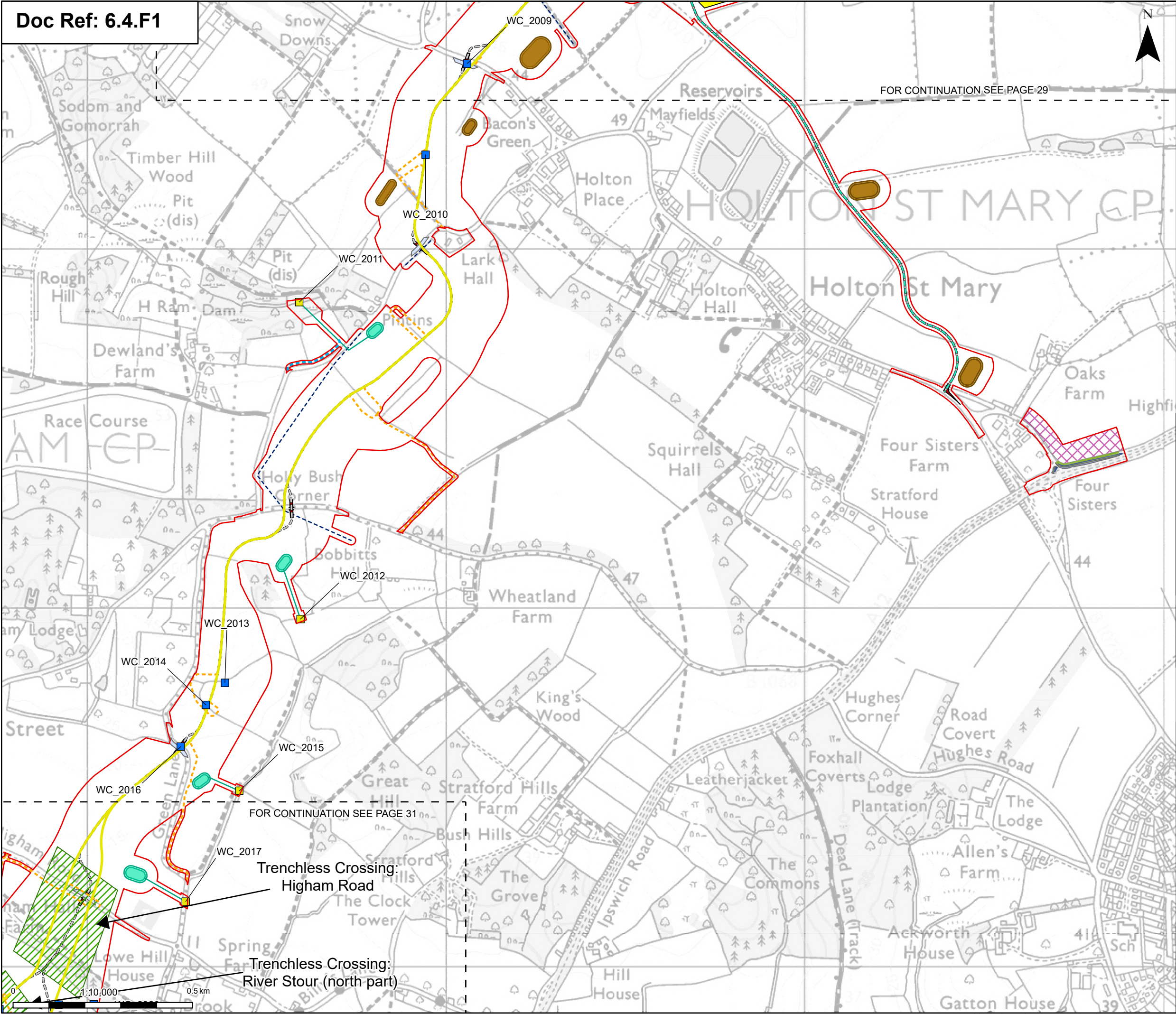
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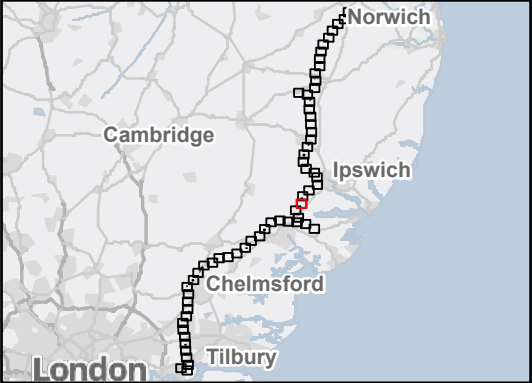






- Order Limits
- Sheet index outline
- Proposed permanent design details**
- Proposed underground cable alignment
- Proposed trenchless crossing
- Proposed Footway (Hatching)
- Proposed Verge (Hatching)
- Proposed cable permanent access (no physical works)
- Proposed permanent road widening
- Proposed underground cable/CSE compound/substation/outfall
- watercourse crossing - temporary and permanent
- Proposed temporary attenuation drainage
- Proposed temporary infiltration drainage
- Proposed site access point
- Proposed bypass haul road
- Proposed temporary haul road
- Proposed UKPN pole uplifting
- Proposed concrete batching compound
- Proposed temporary drainage access route
- Proposed outfall location
- Proposed highways mitigation compounds
- Proposed bellmouth stacking
- Proposed underground cable/CSE compound/substation/outfall
- watercourse crossing - temporary
- 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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Title:  
Figure 4.1 - Project Description -  
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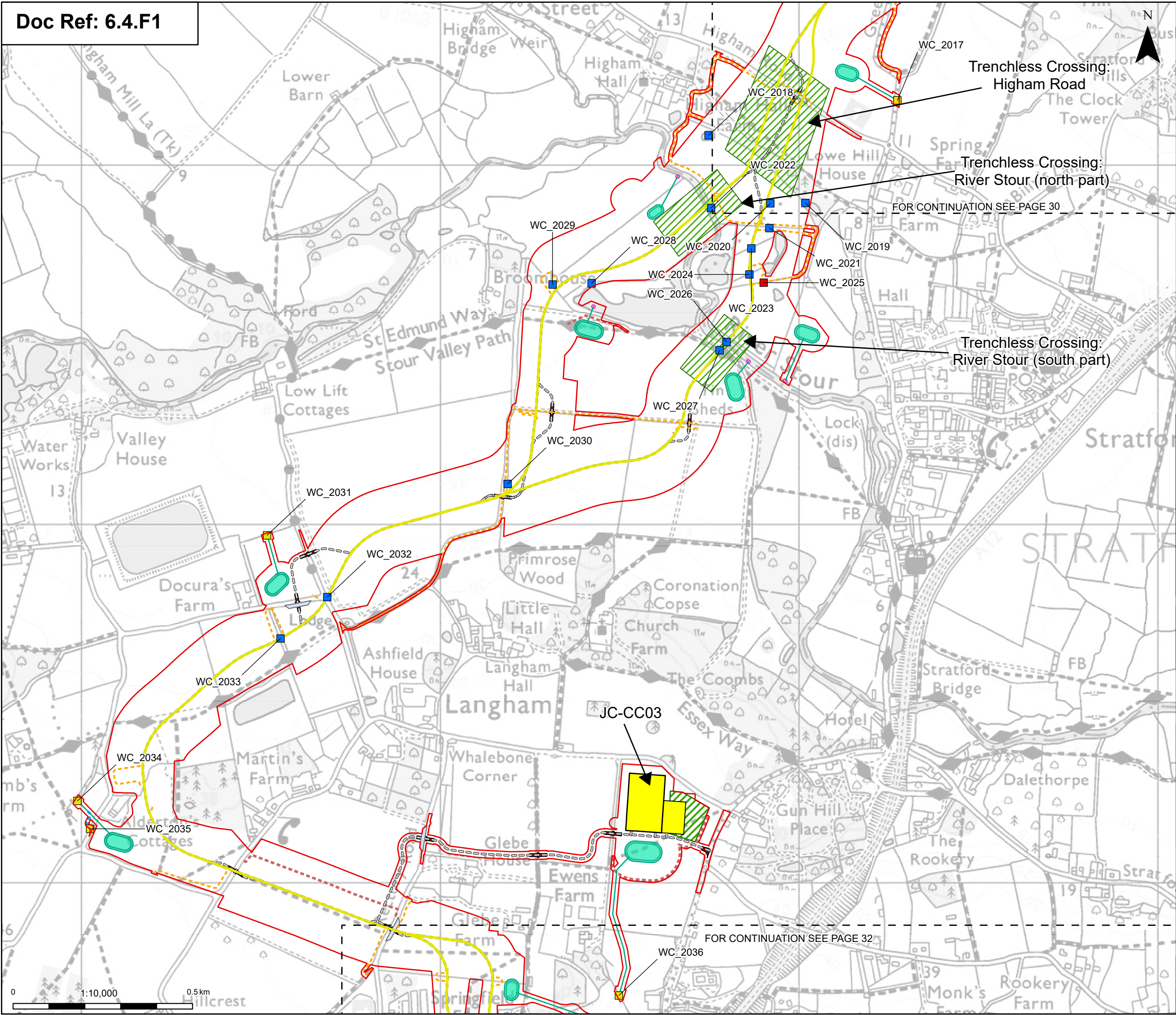
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Drawing Number:  
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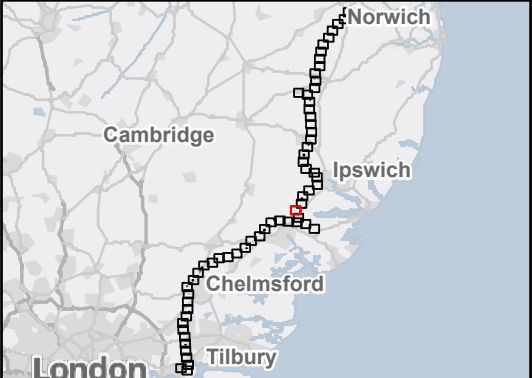
Revision:  
A





- Order Limits**
- Sheet index outline
- Proposed permanent design details**
- Proposed underground cable alignment
  - Proposed trenchless crossing
  - 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
- Proposed temporary design details**
- Proposed underground cable construction compound
  - Proposed construction laydown areas
  - Proposed temporary attenuation drainage
  - Proposed site access point
  - Proposed temporary haul road
  - Proposed concrete batching compound
  - Proposed temporary drainage access route
  - Proposed outfall location
  - Proposed bellmouth stacking
  - Proposed PRoW diversions
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary
- 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
Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
nationalgrid Norwich to  
Tilbury

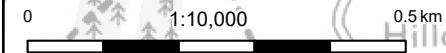
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Regulation 5(2)(a)

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section C  
Page 31 of 63

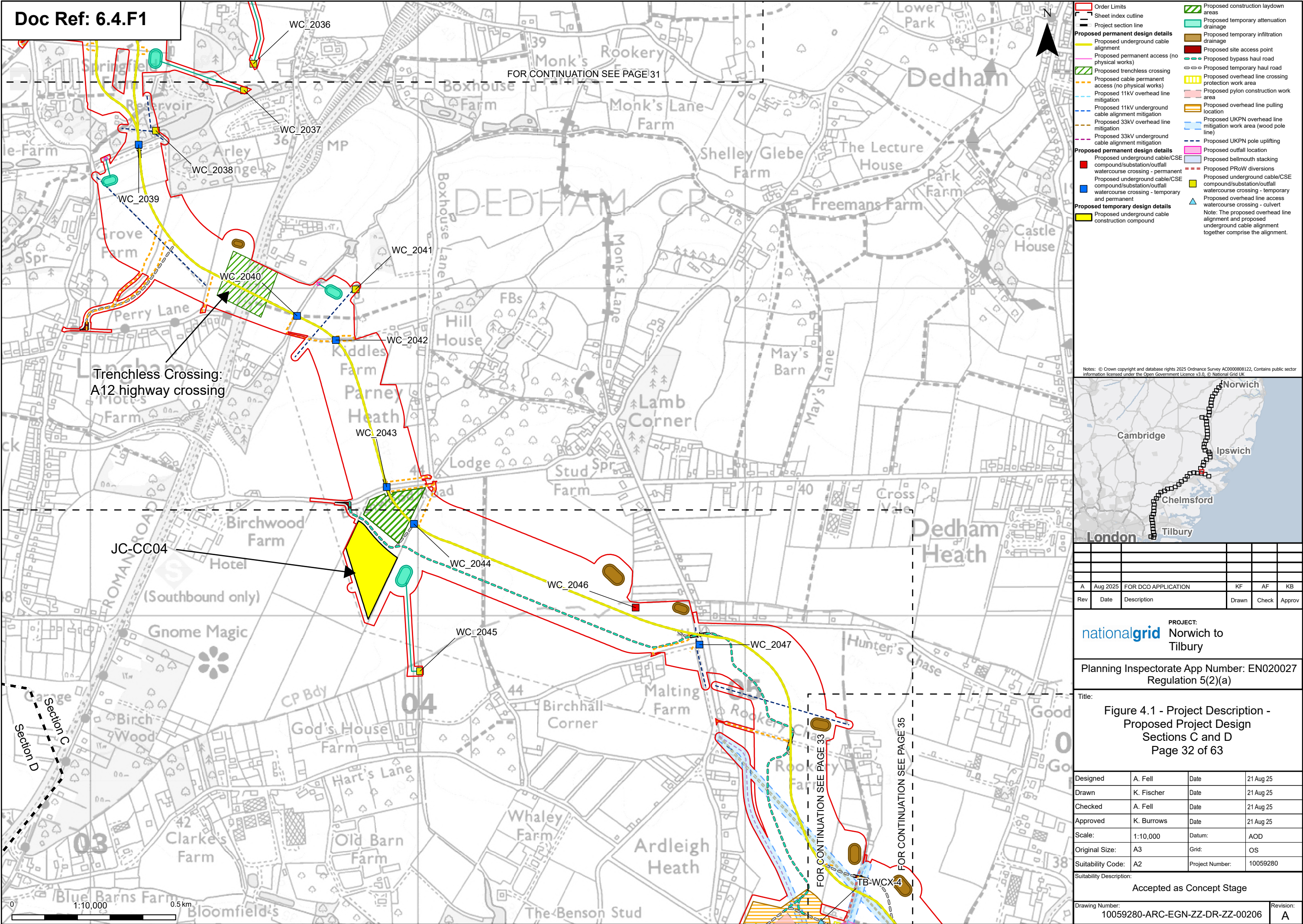
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

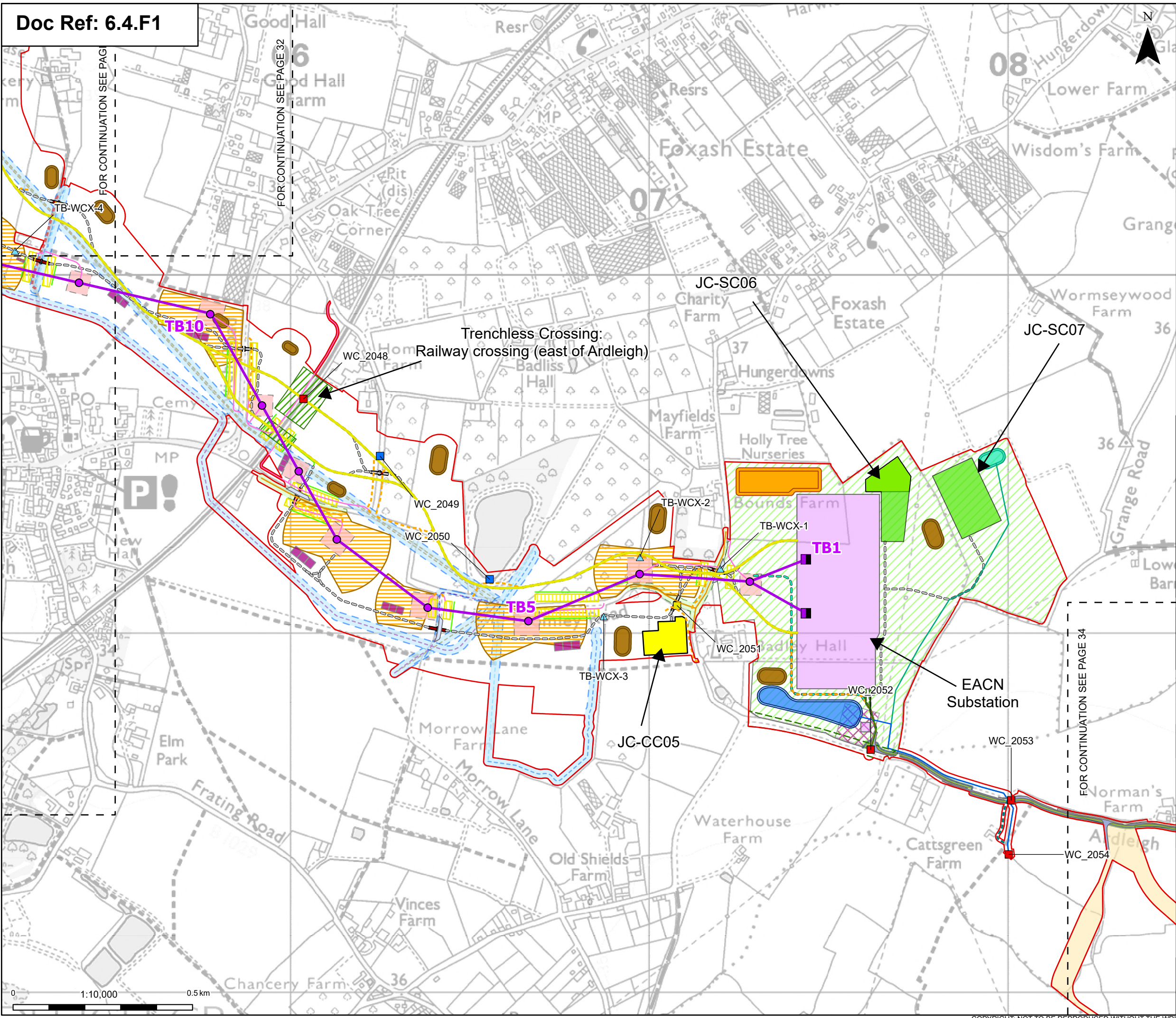
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Revision:  
A











Order Limits

Sheet index outline

Proposed permanent design details

Proposed full line tension gantry location

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 DNO Substation

Proposed East Anglia Connection Node (EACN) Substation

Proposed comms connection

Proposed trenchless crossing

Proposed permanent attenuation drainage channel

Proposed permanent attenuation drainage pond

Proposed permanent drainage access route

Proposed Footway (Hatching)

Proposed Verge (Hatching)

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed cable permanent access (no physical works)

Proposed permanent spoil bund hatch

Proposed Environmental Areas - Permanent

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed 33kV overhead line mitigation

Proposed 33kV underground cable alignment mitigation

Proposed permanent road widening

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent

Proposed temporary design details

Proposed underground cable construction compound

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed temporary attenuation drainage

Proposed temporary infiltration drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed bypass haul road

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN pole uplifting

Proposed BT overhead line mitigation work area

Proposed concrete batching compound

Proposed temporary drainage access route

Proposed outfall location

Proposed highways mitigation compounds

Proposed EACN customers access

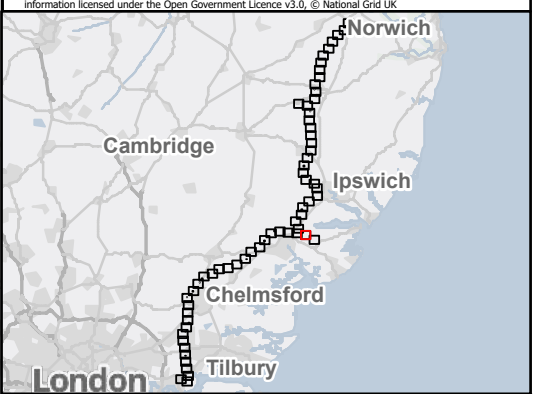
Proposed bellmouth stacking

Proposed PRow diversions

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary

Proposed overhead line access watercourse crossing - culvert

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
nationalgrid Norwich to Tilbury

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

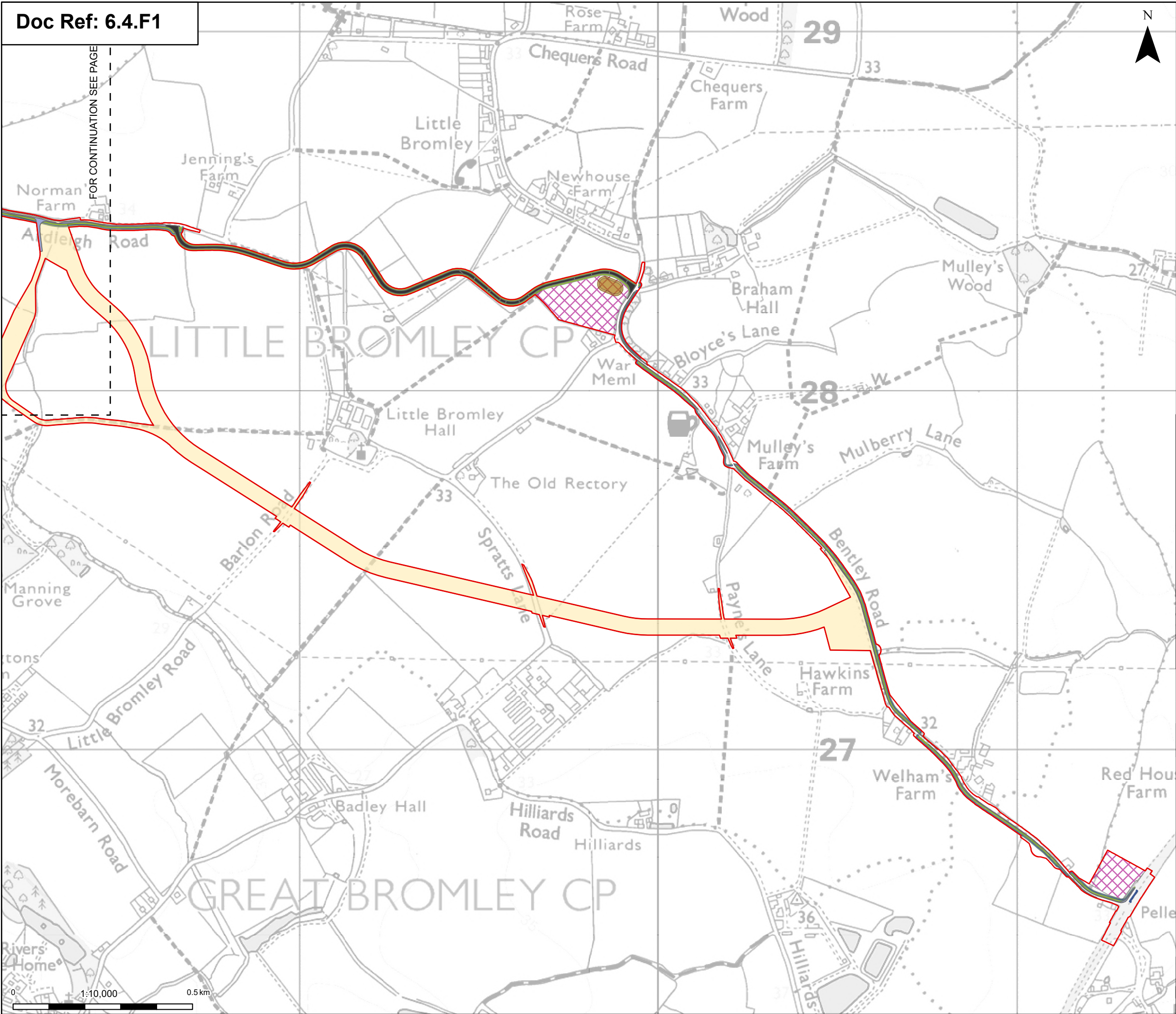
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Figure 4.1 - Project Description -  
Proposed Project Design  
Section C  
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	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: A
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Order Limits

Sheet index cutline

Proposed permanent infiltration drainage feature

Proposed Footway (Hatching)

Proposed Informal Crossing Point (Hatching)

Proposed Verge (Hatching)

Proposed permanent road widening

Proposed permanent access road

Proposed temporary design details

Proposed site access point

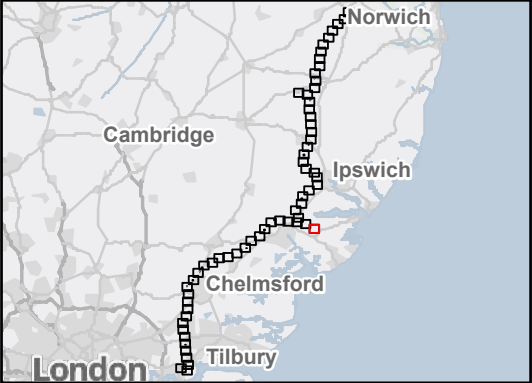
Proposed highways mitigation compounds

Proposed EACN customers access

Proposed PRoW diversions

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
Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
nationalgrid Norwich to Tilbury

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

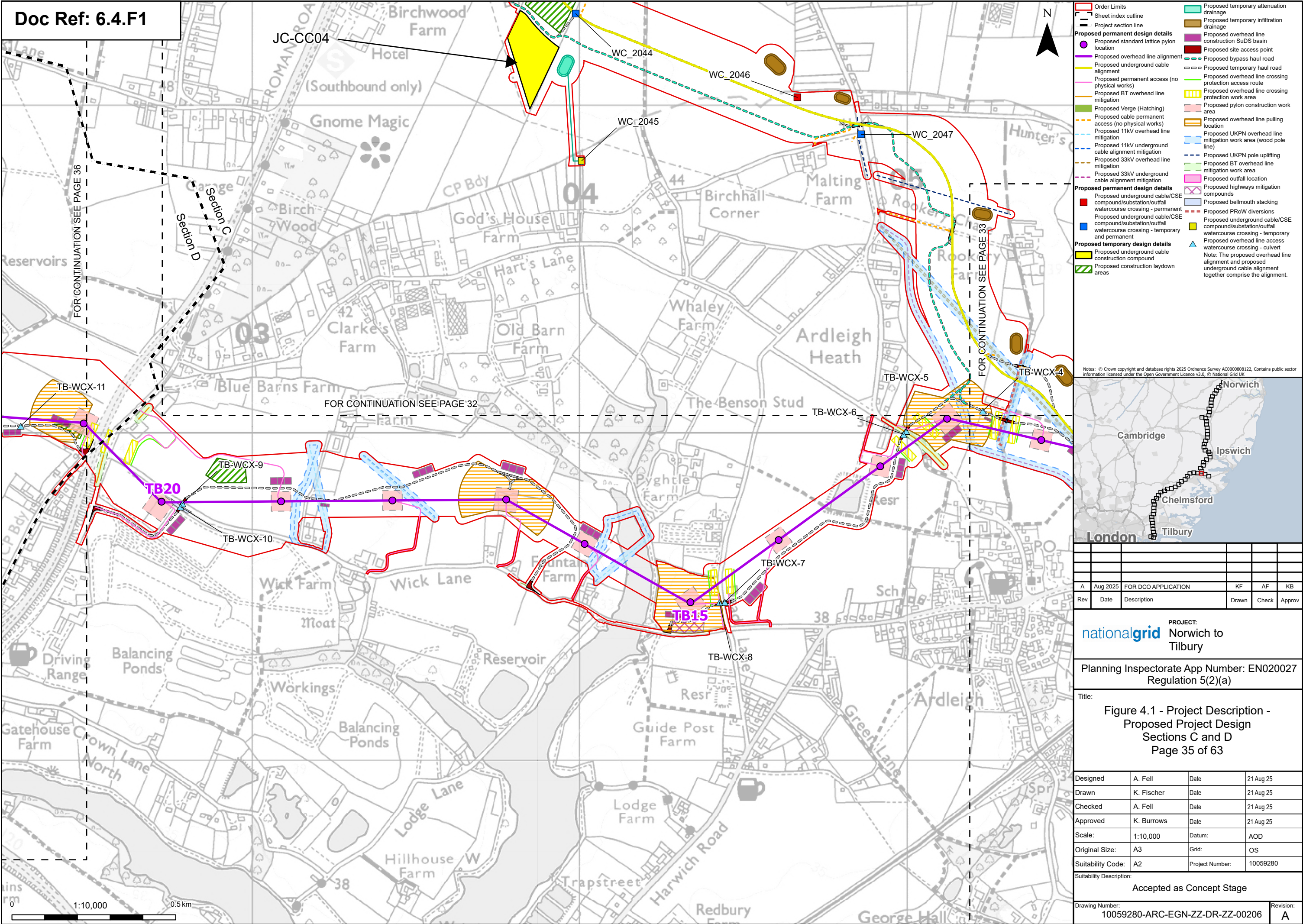
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Proposed Project Design  
Section C  
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

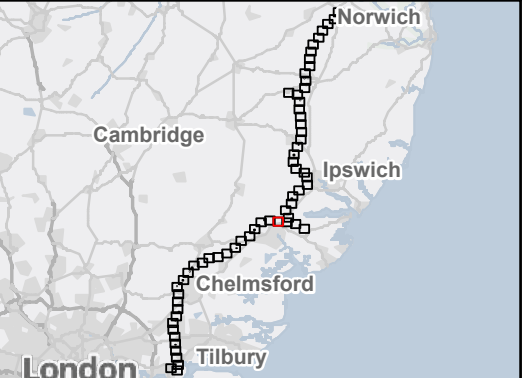
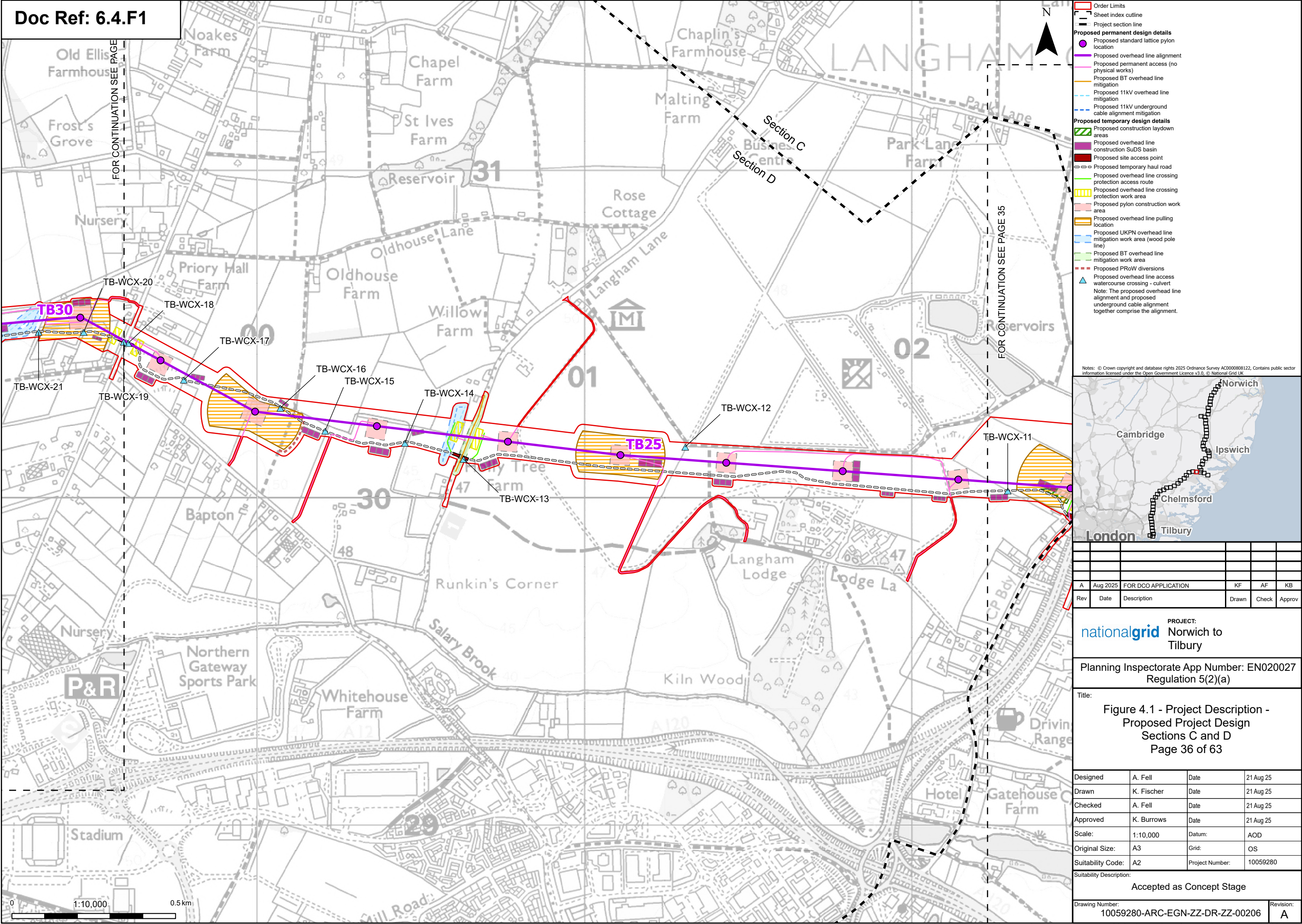
Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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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)

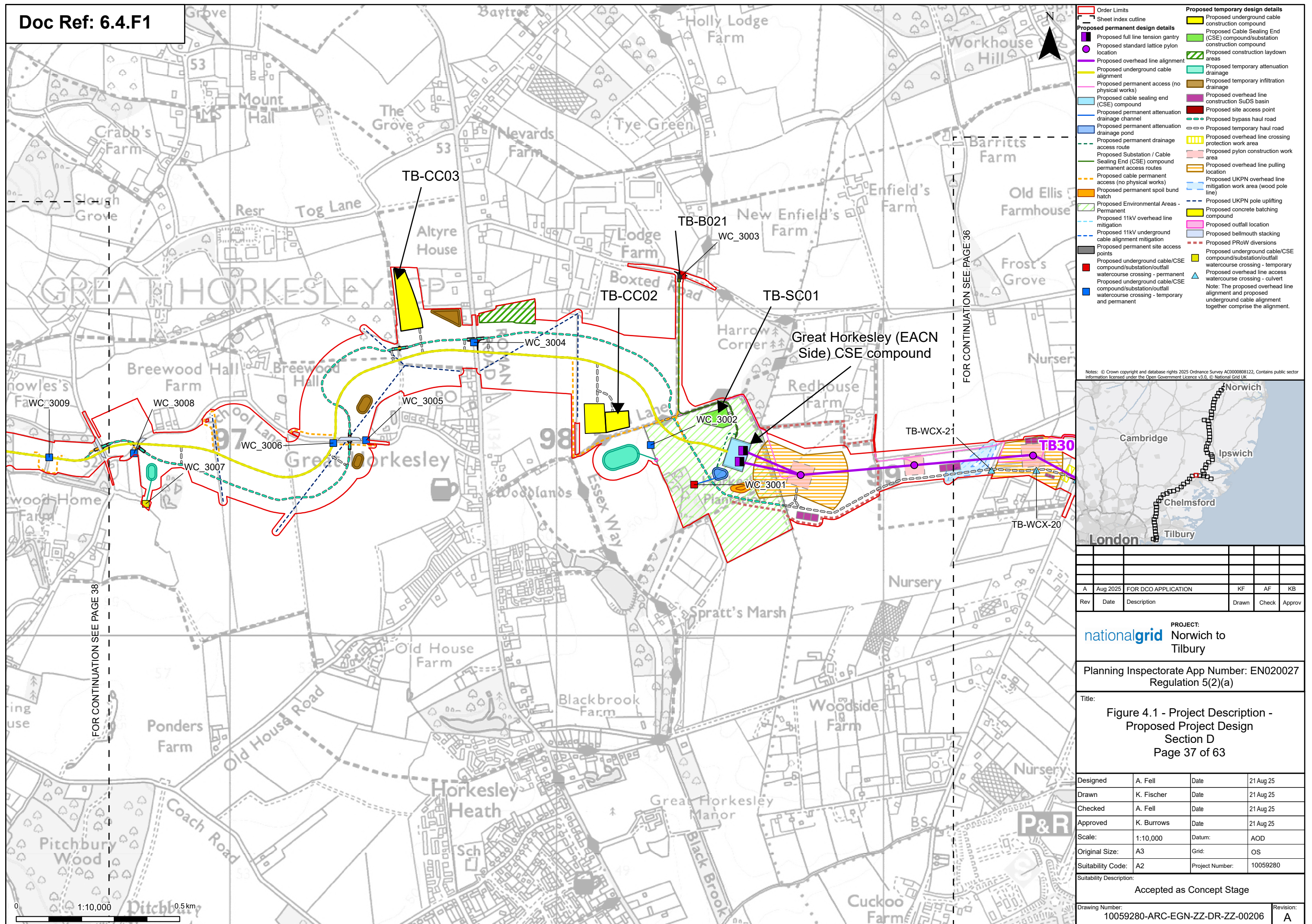
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Proposed Project Design  
Sections C and D  
Page 36 of 63

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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

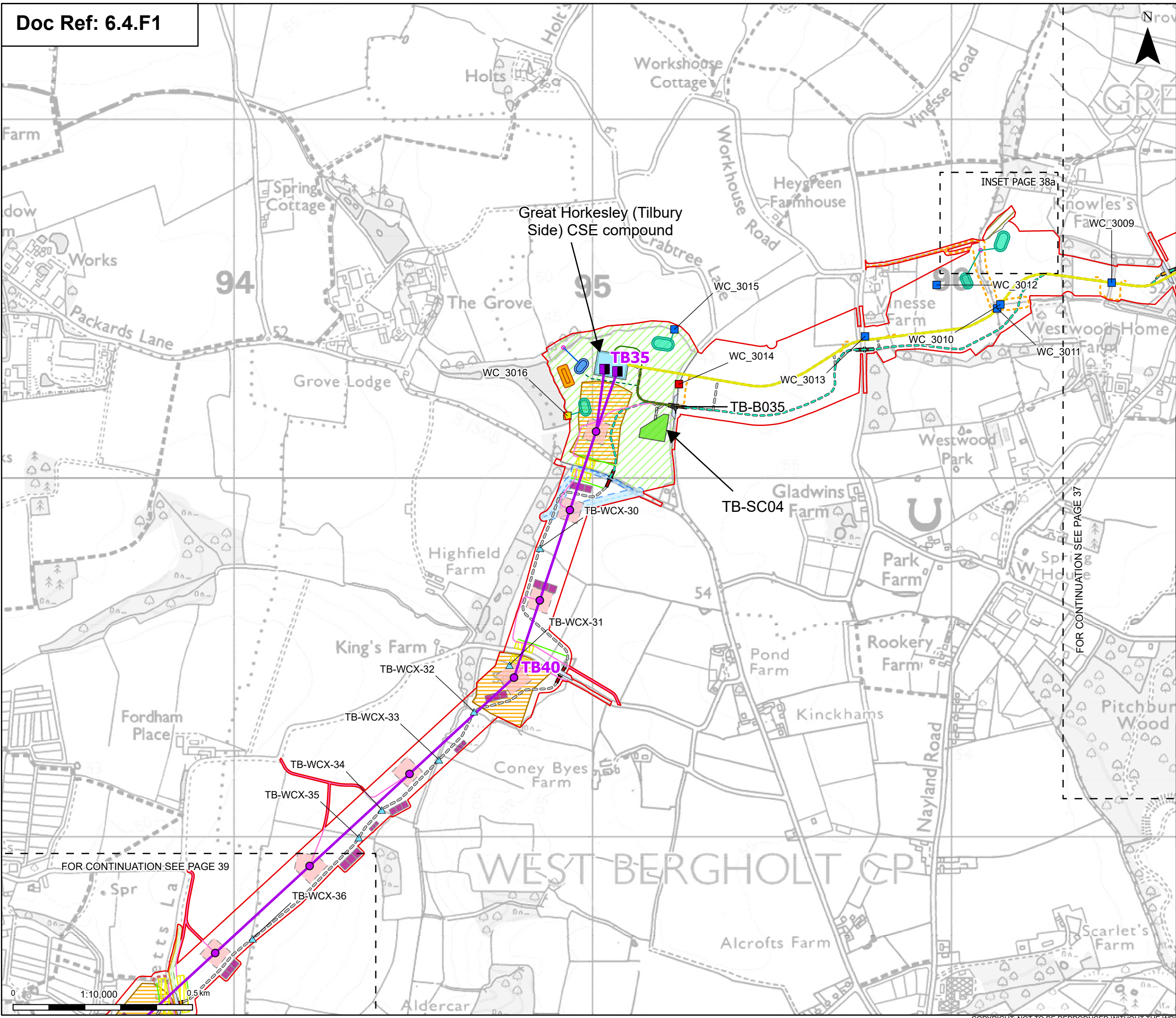
Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

Sheet index outline

Proposed permanent design details

Proposed full line tension gantry location

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 cable sealing end (CSE) compound

Proposed permanent attenuation drainage channel

Proposed permanent attenuation drainage pond

Proposed permanent drainage access route

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed cable permanent access (no physical works)

Proposed permanent spoil bund

Proposed Environmental Areas - Permanent

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

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

Proposed temporary design details

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed temporary attenuation drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed bypass haul road

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed outfall location

Proposed bellmouth stacking

Proposed PRoW diversions

Proposed Environmental Mitigation Areas - Temporary

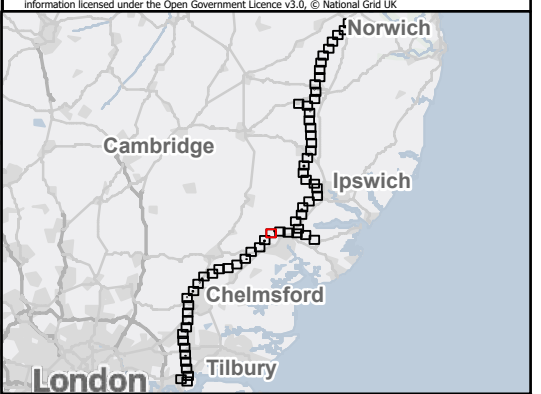
Proposed temporary design details

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary

Proposed overhead line access watercourse crossing - culvert

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

PROJECT:

nationalgrid

Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section D  
Page 38 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	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:

A

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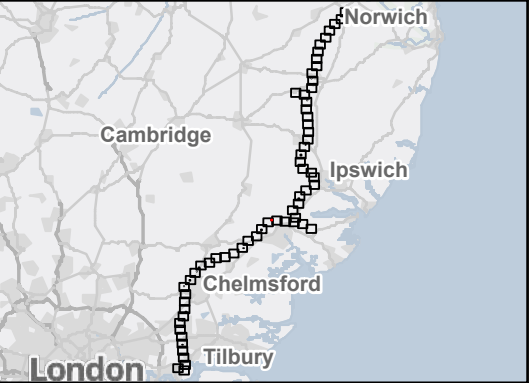
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- Order Limits
- Proposed cable permanent access (no physical works)
- Proposed temporary attenuation drainage
- Proposed outfall location
- Proposed Environmental Mitigation Areas - Temporary
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
nationalgrid Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section D  
Page 38a of 63

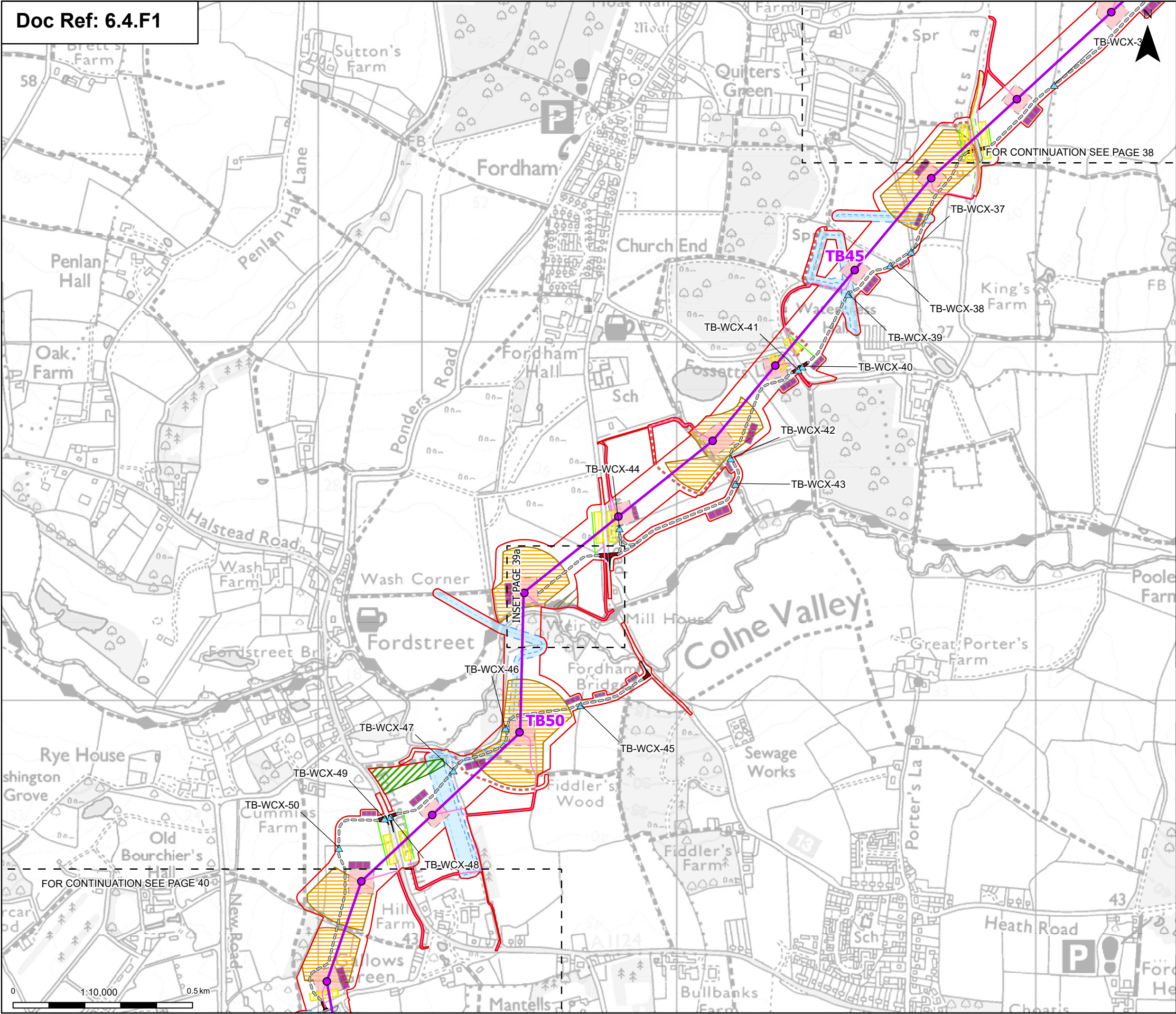
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

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







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 temporary design details

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed bellmouth stacking

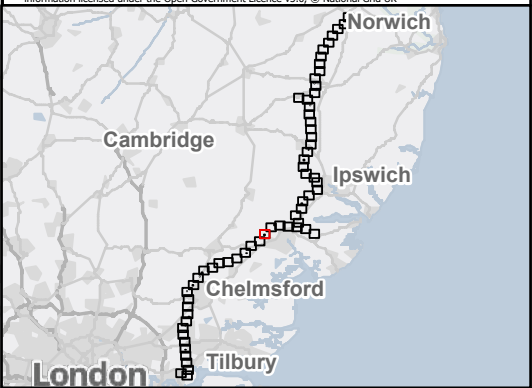
Proposed PRoW diversions

Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - culvert

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
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PROJECT:  
nationalgrid Norwich to  
Tilbury

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

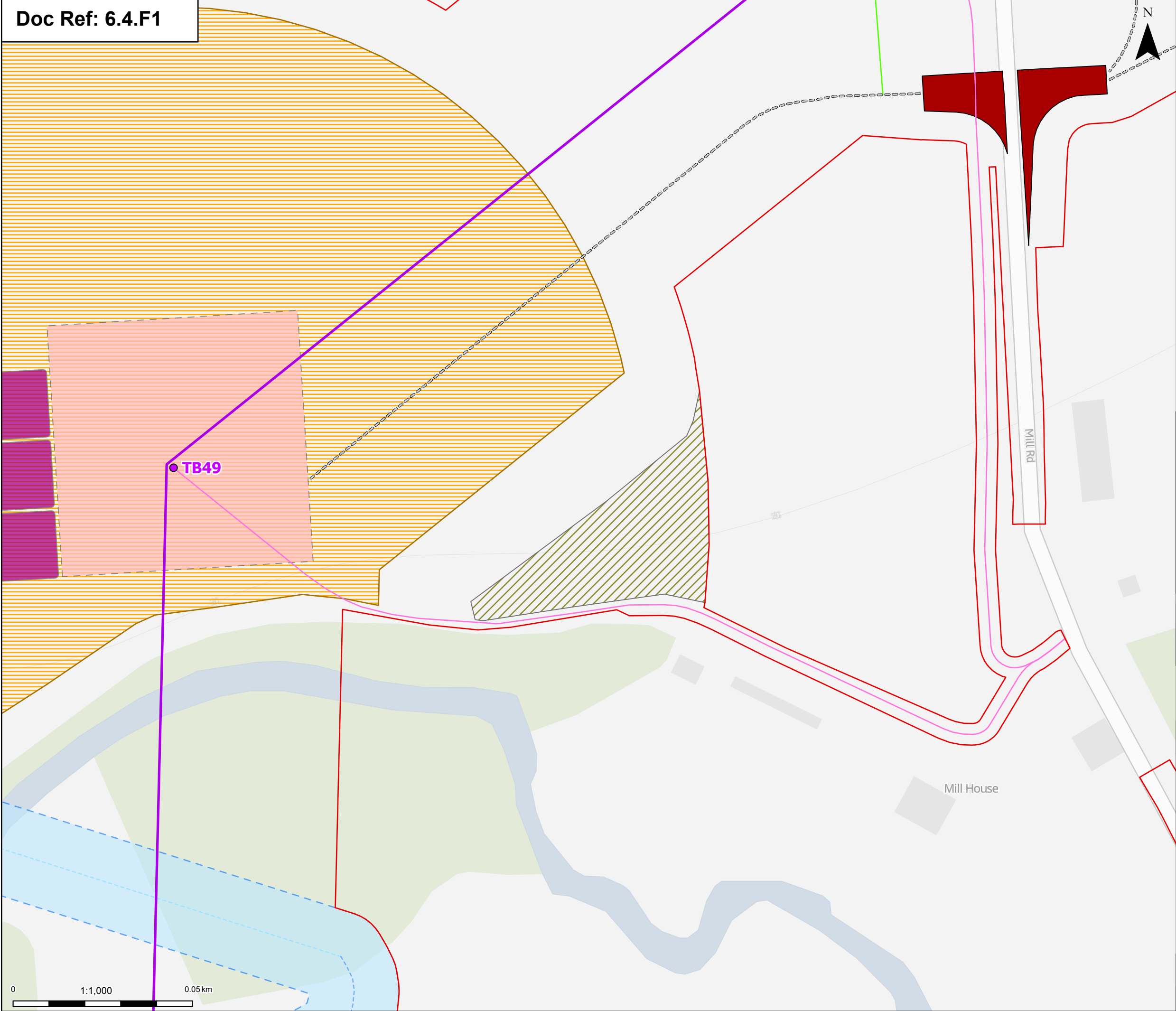
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Proposed Project Design  
Section D  
Page 39 of 63

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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

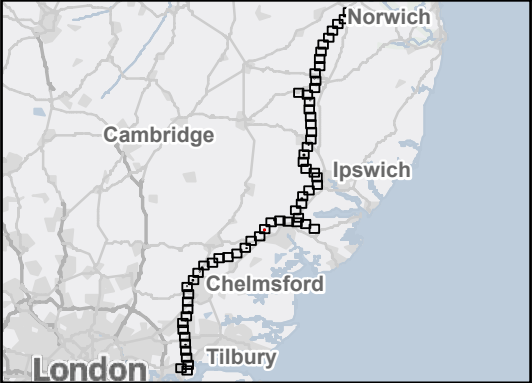
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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- Order Limits
- Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
- Proposed temporary design details**
  - Proposed overhead line construction SuDS basin
  - Proposed site access point
  - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed Environmental Mitigation Areas - Temporary
- 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

PROJECT:

Norwich to Tilbury

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

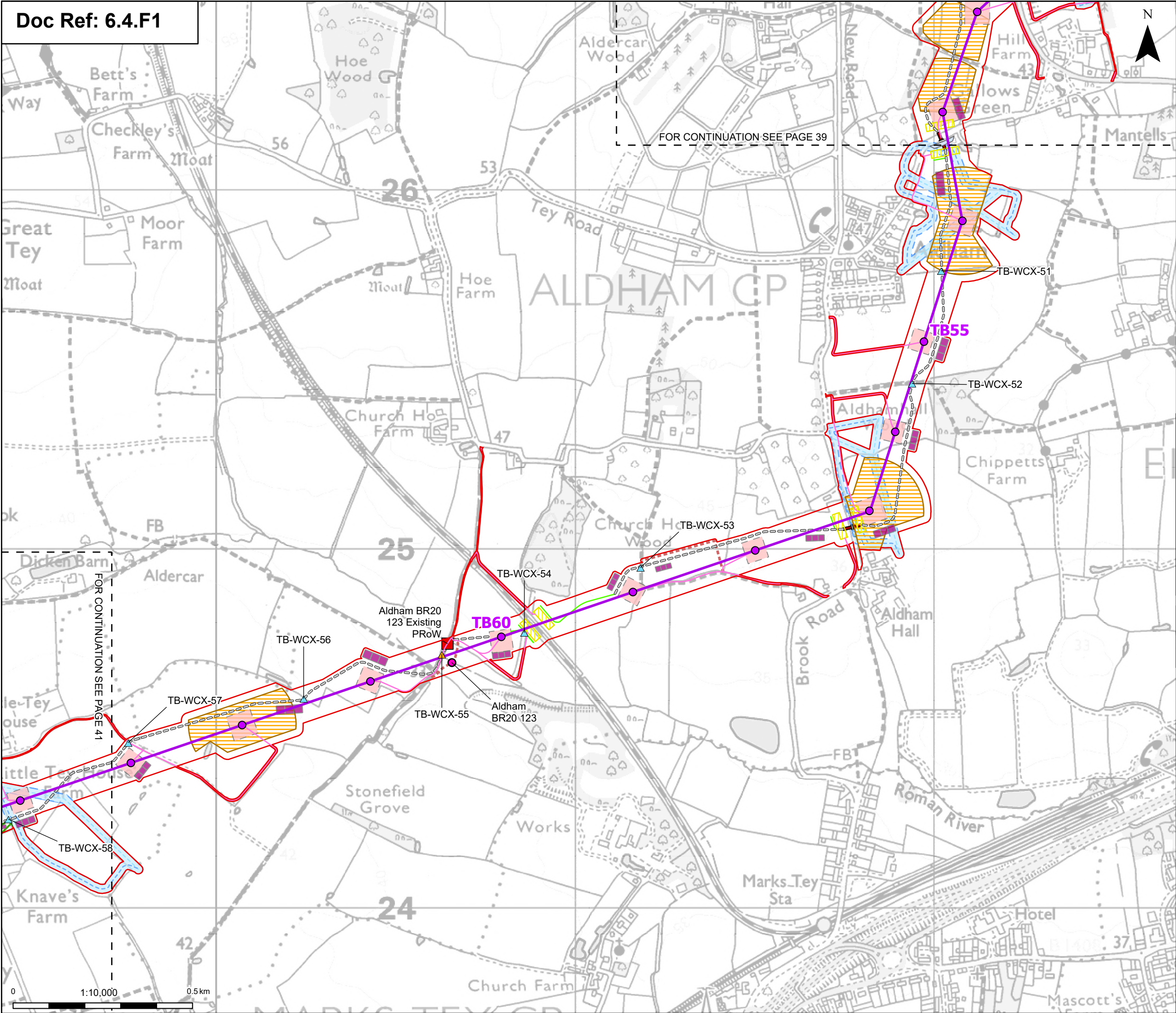
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**Figure 4.1 - Project Description -  
Proposed Project Design  
Section D  
Page 39a of 63**

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
**Accepted as Concept Stage**

Drawing Number: <b>10059280-ARC-EGN-ZZ-DR-ZZ-00206</b>	Revision: <b>A</b>
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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 LV overhead line

Proposed LV proposed underground cable alignment

Proposed temporary design details

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed bellmouth stacking

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

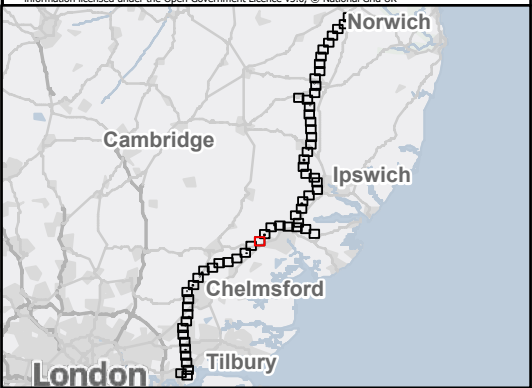
Proposed overhead line access watercourse crossing - bridge

Proposed PRoW temporary diversions - watercourse crossings

Proposed PRoW temporary stopped up - watercourse crossings

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

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nationalgrid

PROJECT:  
Norwich to  
Tilbury

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

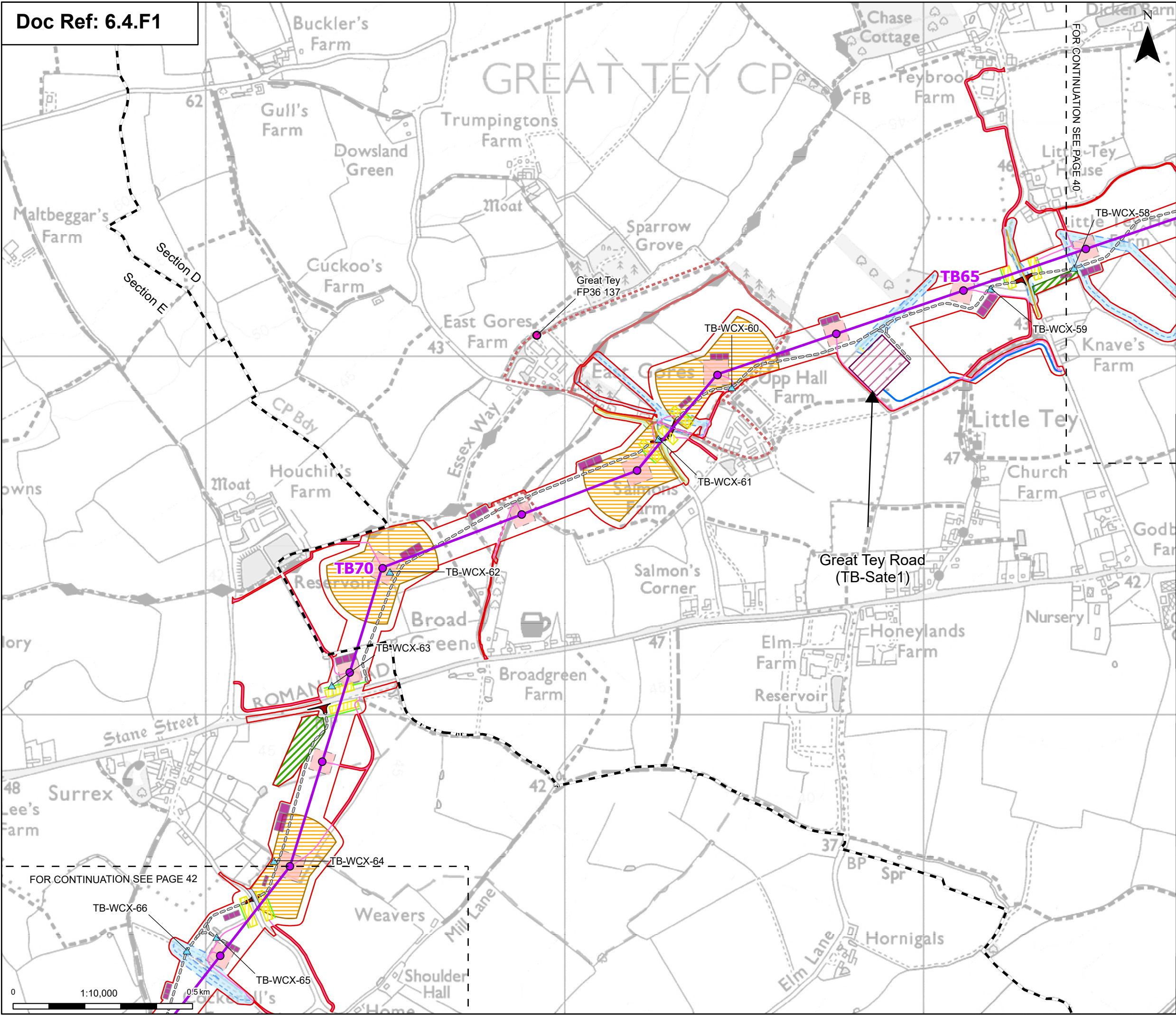
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Proposed Project Design  
Section D  
Page 40 of 63

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Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

Sheet index cutline

Project section line

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 LV overhead line mitigation

Proposed LV proposed underground cable alignment

Proposed satellite construction compound

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed overhead line compound utility connections - electricity

Proposed overhead line compound utility connections - water

Proposed bellmouth stacking

Proposed PRow diversions

Proposed overhead line access watercourse crossing - culvert

Proposed PRow temporary diversions - watercourse crossings

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

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nationalgrid

PROJECT:  
Norwich to  
Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Sections D and E  
Page 41 of 63

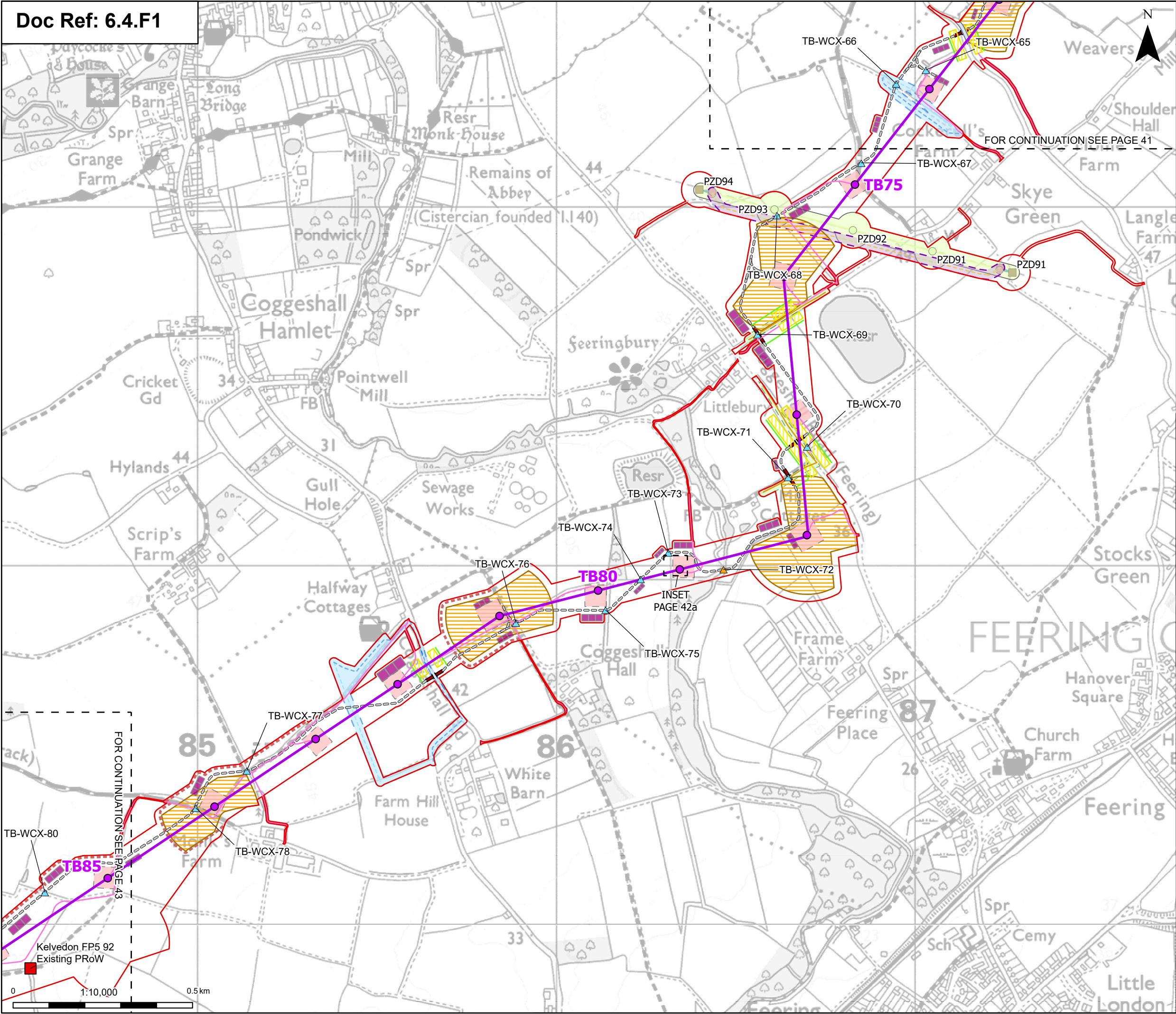
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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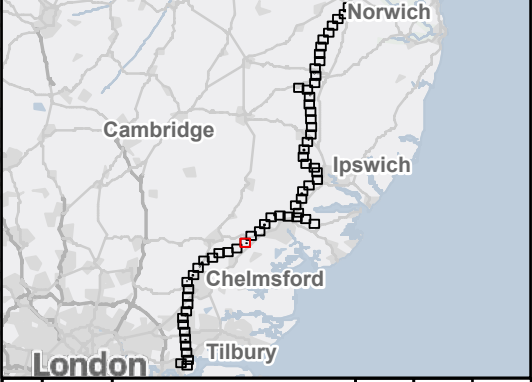
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- Order Limits
- Sheet index cutline
- Proposed permanent design details**
- Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed UKPN overhead line new H pole
  - Proposed UKPN dismantle centreline
  - Proposed UKPN New Centreline
  - Proposed UKPN cable centreline
- Proposed temporary design details**
- Proposed overhead line construction SuDS basin
  - Proposed site access point
  - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed overhead line crossing protection work area
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed UKPN cable temporary works
  - Proposed UKPN tower dismantle assets
  - Proposed BT overhead line mitigation work area
  - Proposed bellmouth stacking
  - Proposed PRoW diversions
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access watercourse crossing - culvert
  - Proposed overhead line access watercourse crossing - bridge
  - Proposed PRoW temporary stopped up - watercourse crossings
- 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 4.1 - Project Description - Proposed Project Design Section E**  
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Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

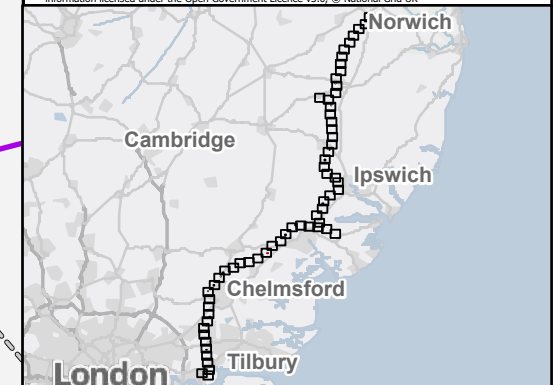
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- Order Limits**
- Proposed permanent design details**
- Proposed standard latilite pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
- Proposed temporary design details**
- Proposed overhead line construction SuDS basin
  - Proposed temporary haul road
  - Proposed pylon construction work area
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access way/courtesy crossing - culvert
- 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
Rev	Date	Description	Drawn	Check	Approv

**nationalgrid** PROJECT: Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section E  
Page 42a of 63

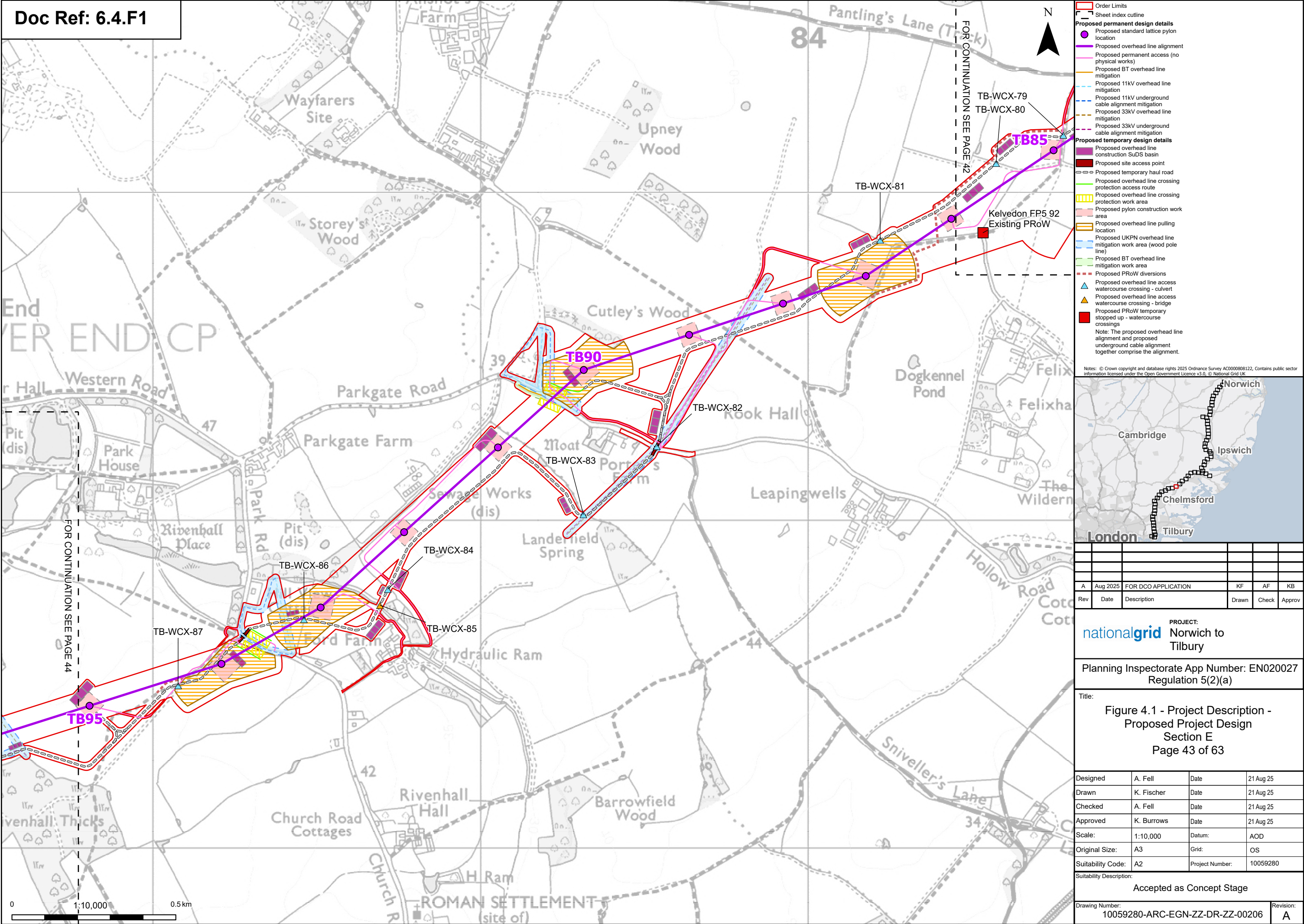
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:400	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

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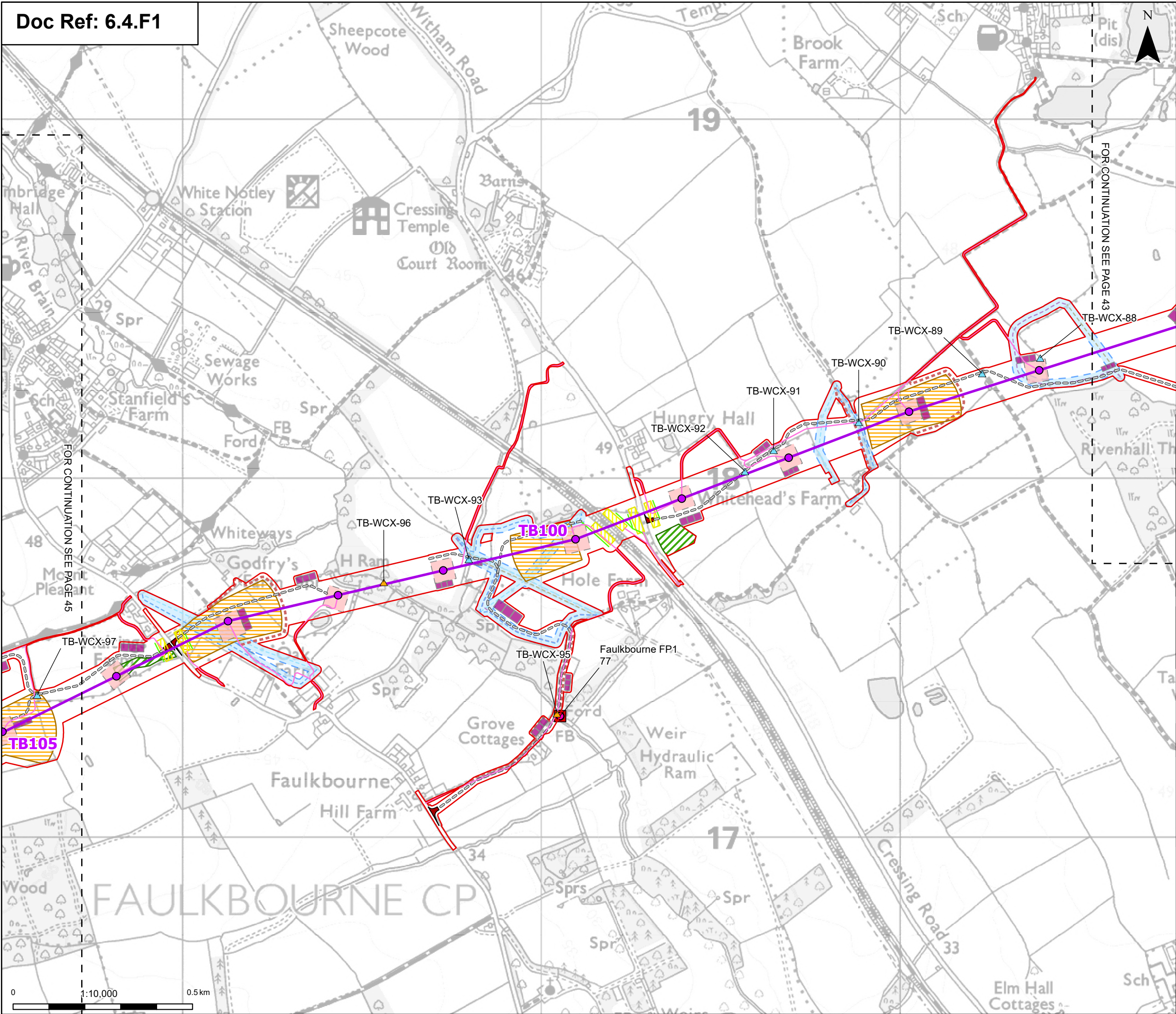
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

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

Proposed temporary design details

Proposed construction laydown area

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

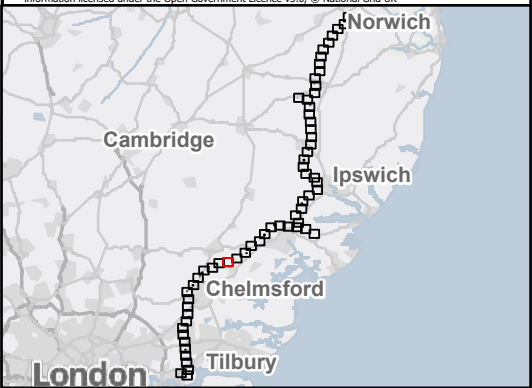
Proposed overhead line access watercourse crossing - bridge

Proposed PRoW temporary diversions - watercourse crossings

Proposed PRoW temporary stopped up - watercourse crossings

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

PROJECT:  
nationalgrid Norwich to  
Tilbury

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

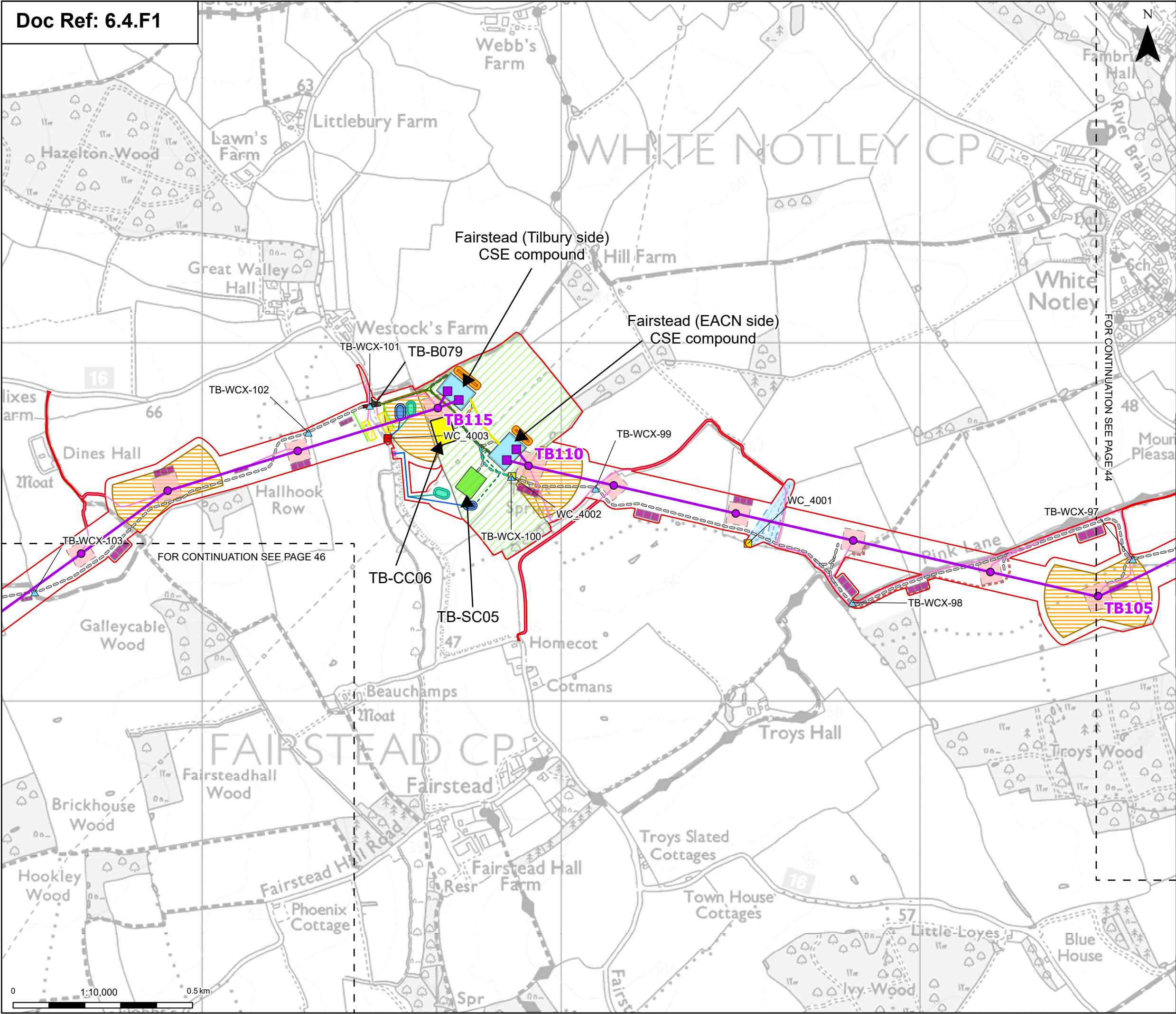
Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section E  
Page 44 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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: A
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- Order Limits

Sheet index outline

Proposed permanent design details

Proposed low duty gantry location

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed permanent access (no physical works)

Proposed cable sealing end (CSE) compound

Proposed permanent attenuation drainage channel

Proposed permanent attenuation drainage pond

Proposed permanent drainage access route

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed cable permanent access (no physical works)

Proposed permanent spoil bund hatch

Proposed Environmental Areas - Permanent

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed permanent site access points

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent

Proposed temporary design details

Proposed underground cable construction compound

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed temporary attenuation drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed bypass haul road

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed outfall location

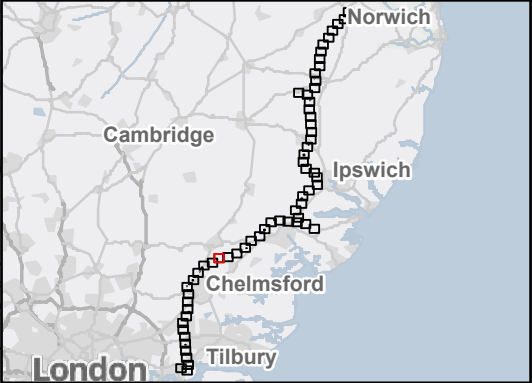
Proposed ProW diversions

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary

Proposed overhead line access watercourse crossing - culvert

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

PROJECT:  
nationalgrid Norwich to Tilbury

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

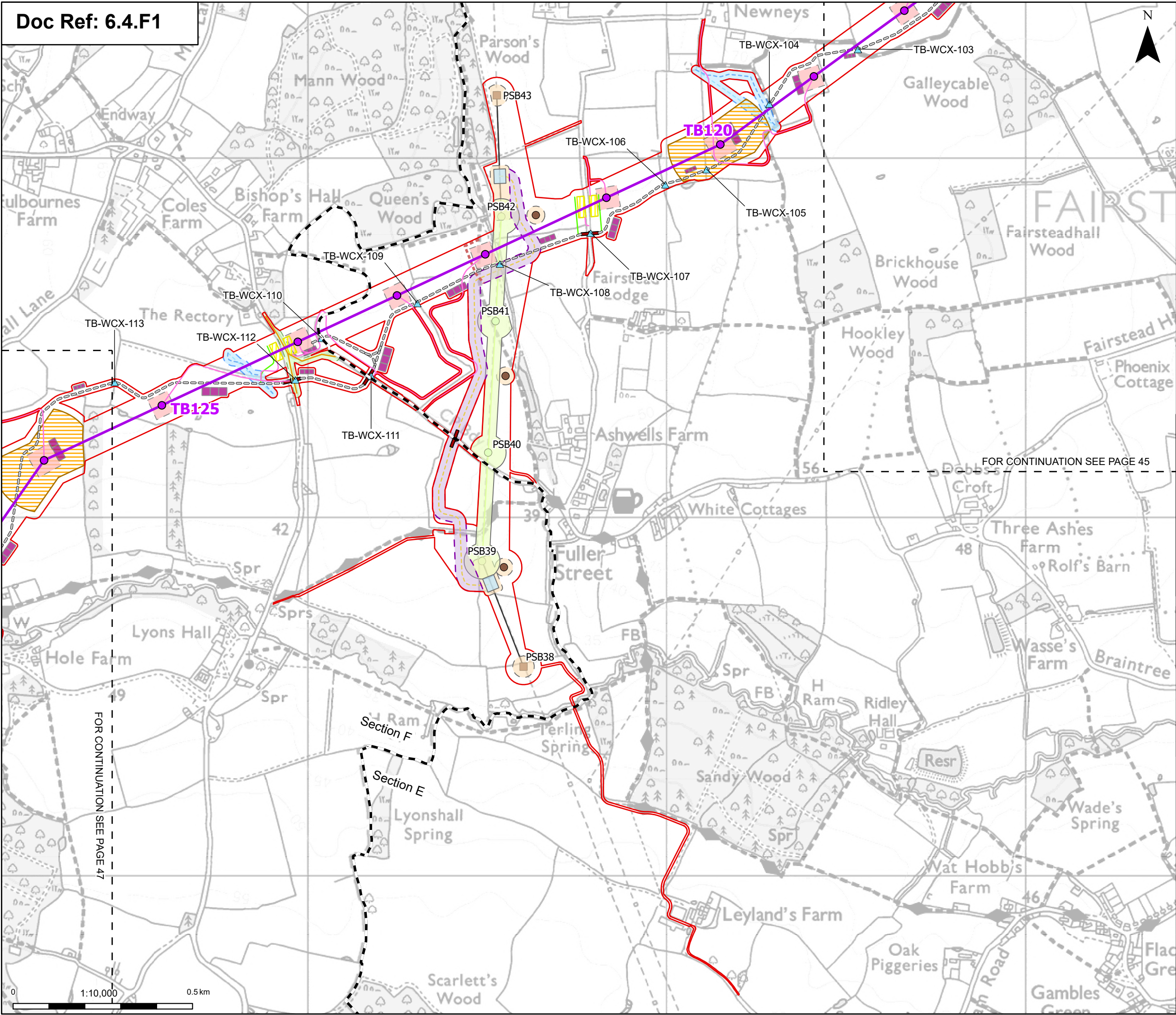
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Figure 4.1 - Project Description -  
Proposed Project Design  
Section E  
Page 45 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

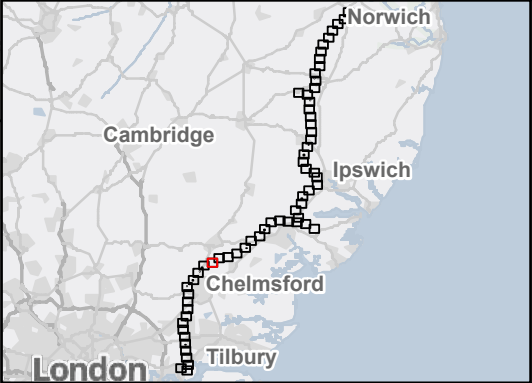
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- Order Limits
  - Sheet index cutline
  - Project section line
  - Proposed permanent design details
    - Proposed standard lattice pylon location
    - Proposed overhead line alignment
    - Proposed permanent access (no physical works)
    - Proposed BT overhead line mitigation
    - Proposed 11kV overhead line mitigation
    - Proposed 11kV underground cable alignment mitigation
    - Proposed UKPN overhead line dismantle towers
    - Proposed UKPN overhead line existing tower (to be modified)
    - Proposed UKPN dismantle centreline
    - Proposed UKPN existing centreline (modified)
    - Proposed UKPN cable centreline
  - Proposed temporary design details
    - Proposed overhead line construction SuDS basin
    - Proposed site access point
    - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed overhead line crossing protection work area
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed UKPN overhead line temporary structure (only angles)
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN cable temporary works
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN tower overhead line temporary works
  - Proposed BT overhead line mitigation work area
  - Proposed PROW diversions
  - Proposed overhead line access watercourse crossing - culvert
- 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)

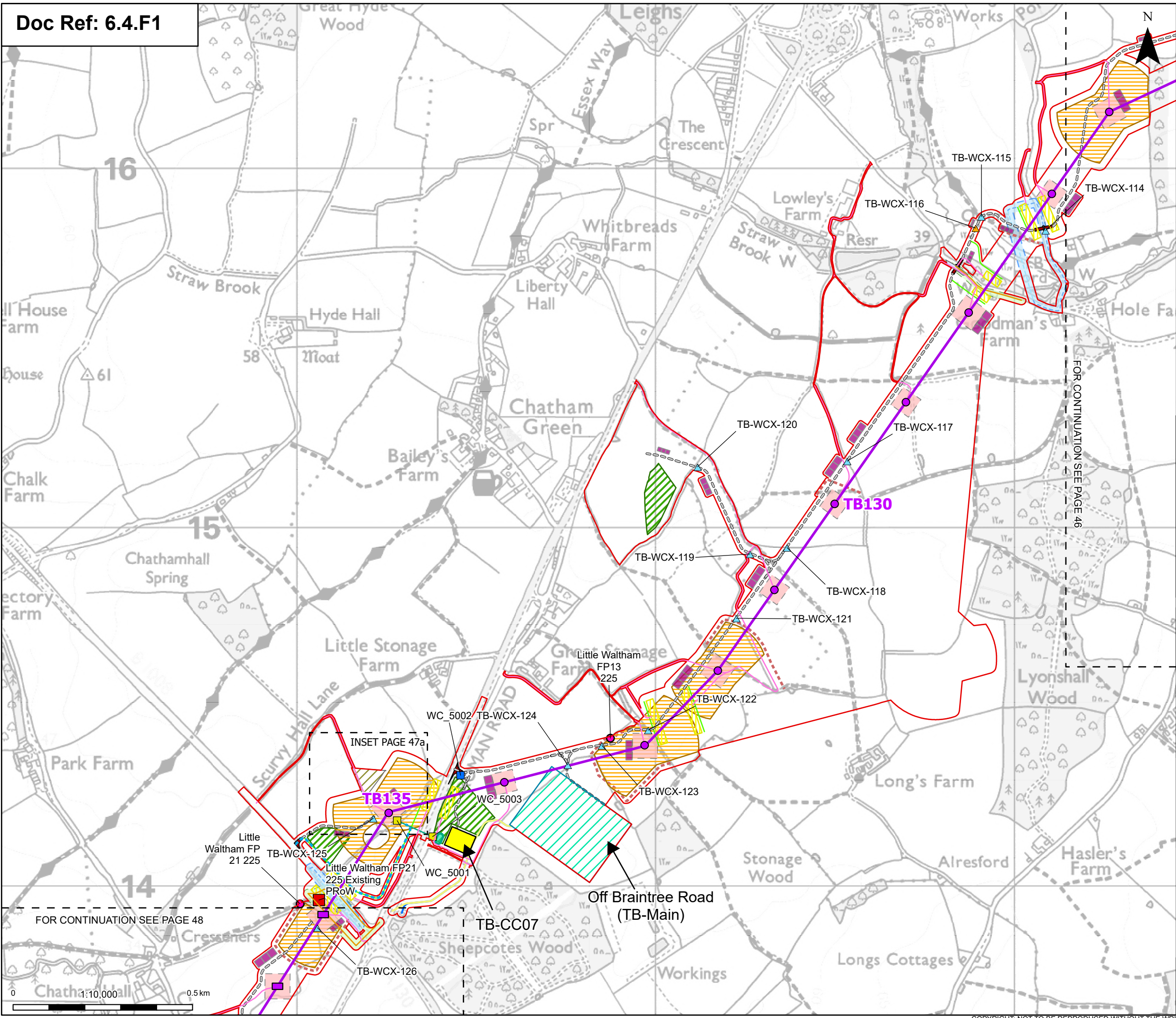
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Figure 4.1 - Project Description -  
Proposed Project Design  
Sections E and F  
Page 46 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	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: A
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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

Proposed Environmental Mitigation Areas - temporary and permanent

**Proposed temporary design details**

Proposed main construction compound

Proposed underground cable construction compound

Proposed construction laydown areas

Proposed temporary attenuation drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed temporary drainage access route

Proposed outfall location

Proposed overhead line compound utility connections - electricity

Proposed overhead line compound utility connections - water

Proposed bellmouth stacking

Proposed PRoW diversions

**Proposed temporary design details**

Proposed underground cable/CSE compound/substation/outfall

Proposed overhead line access watercourse crossing - temporary

Proposed overhead line access watercourse crossing - culvert

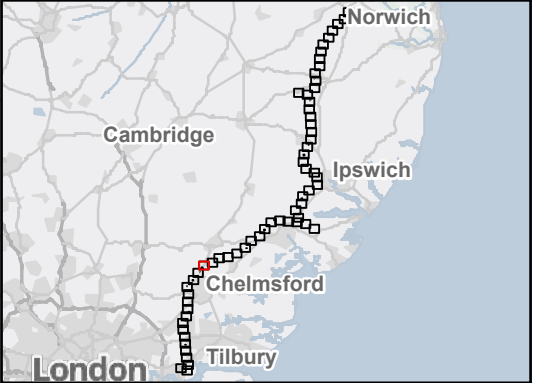
Proposed overhead line access watercourse crossing - bridge

Proposed PRoW temporary diversions - watercourse crossings

Proposed PRoW temporary stopped up - watercourse crossings

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 4.1 - Project Description - Proposed Project Design Section F**  
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Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

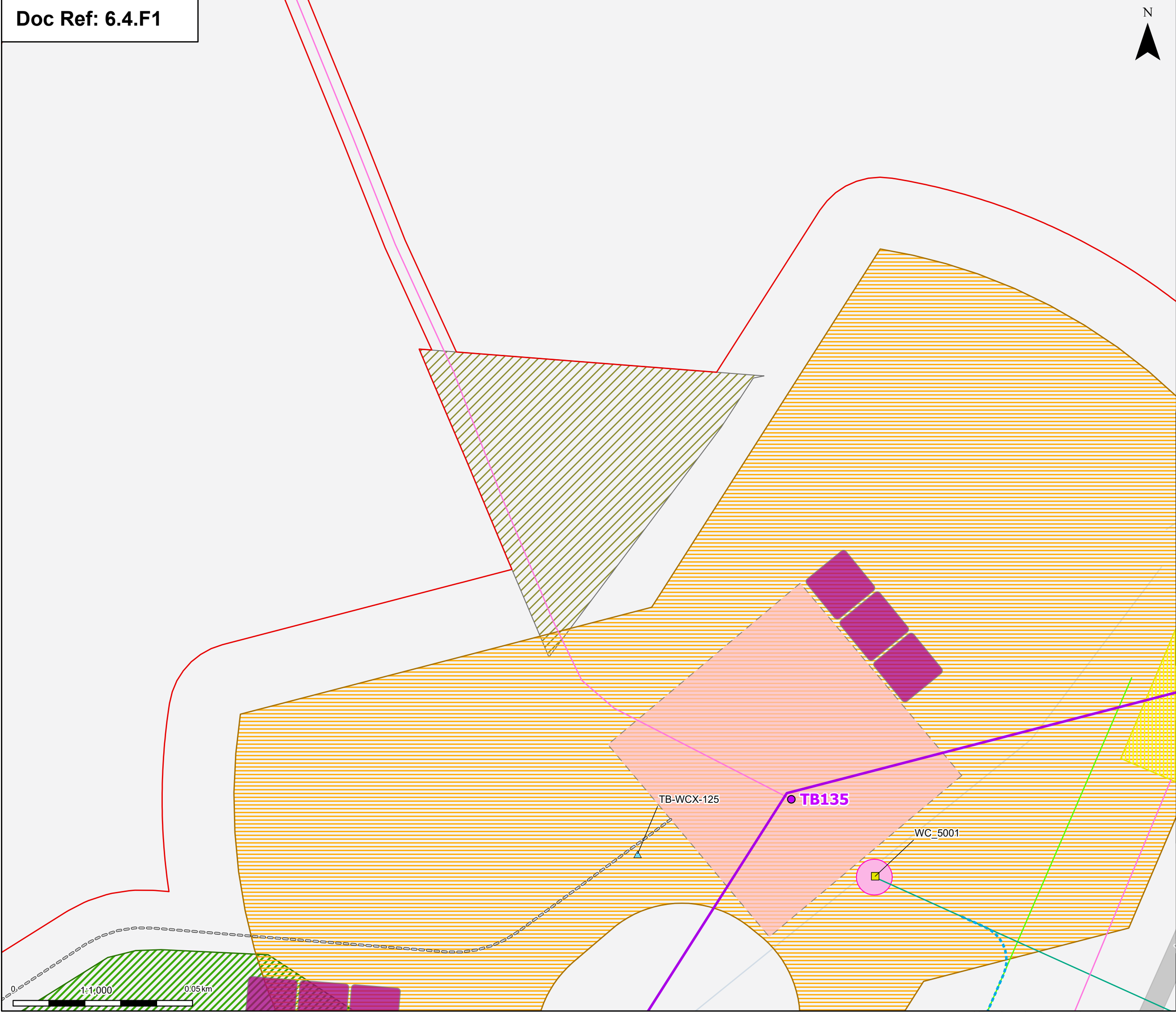
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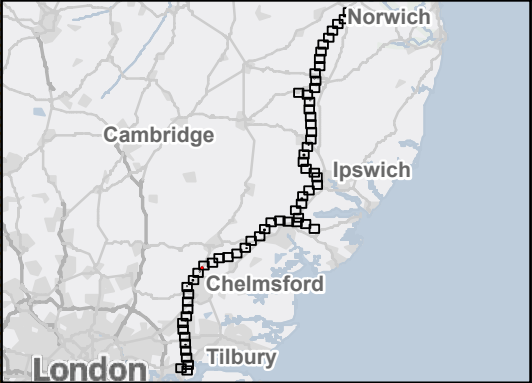
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- Order Limits
- Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
- Proposed temporary design details**
  - Proposed construction laydown areas
  - Proposed overhead line construction SuDS basin
  - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
  - Proposed overhead line crossing protection work area
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed temporary drainage access route
  - Proposed outfall location
  - Proposed Environmental Mitigation Areas - Temporary
- Proposed temporary design details**
  - Proposed underground cable/CSE compound/substation/outfall watercourse crossing - temporary
  - Proposed overhead line access watercourse crossing - culvert
- 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

PROJECT:  
Norwich to  
Tilbury

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

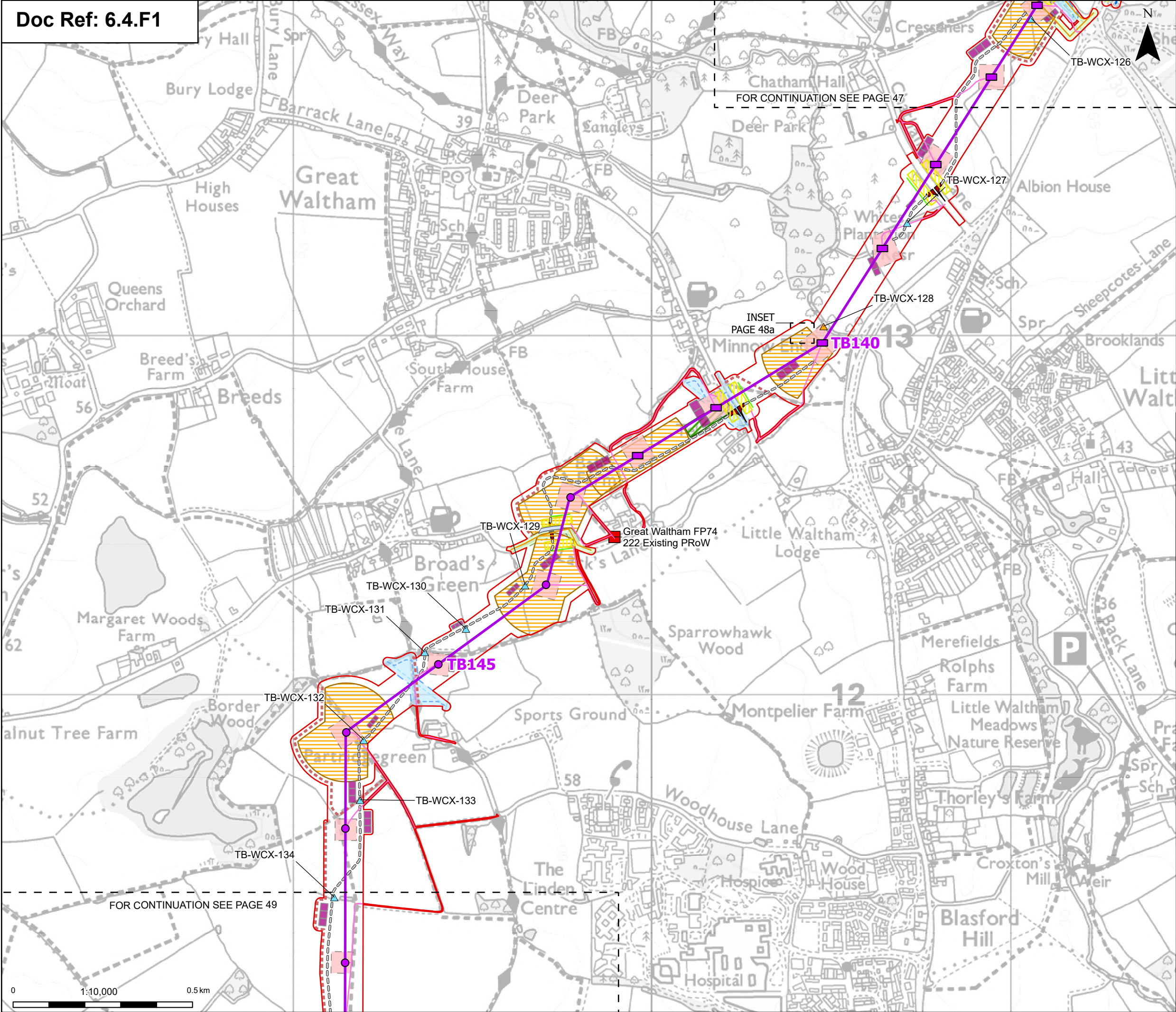
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Figure 4.1 - Project Description -  
Proposed Project Design  
Section F  
Page 47a of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:1,000	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: A
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Order Limits

Sheet index cutline

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 LV overhead line

Proposed LV proposed underground cable alignment

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed overhead line compound utility connections - electricity

Proposed overhead line compound utility connections - water

Proposed bellmouth stacking

Proposed PRoW diversions

Proposed Environmental Mitigation Areas - Temporary

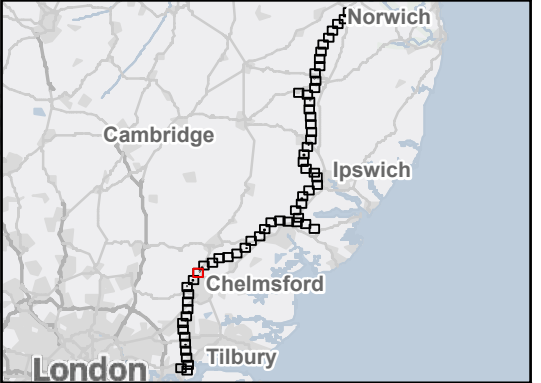
Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

Proposed PRoW temporary stopped up - watercourse crossings

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

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PROJECT:

Norwich to Tilbury

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

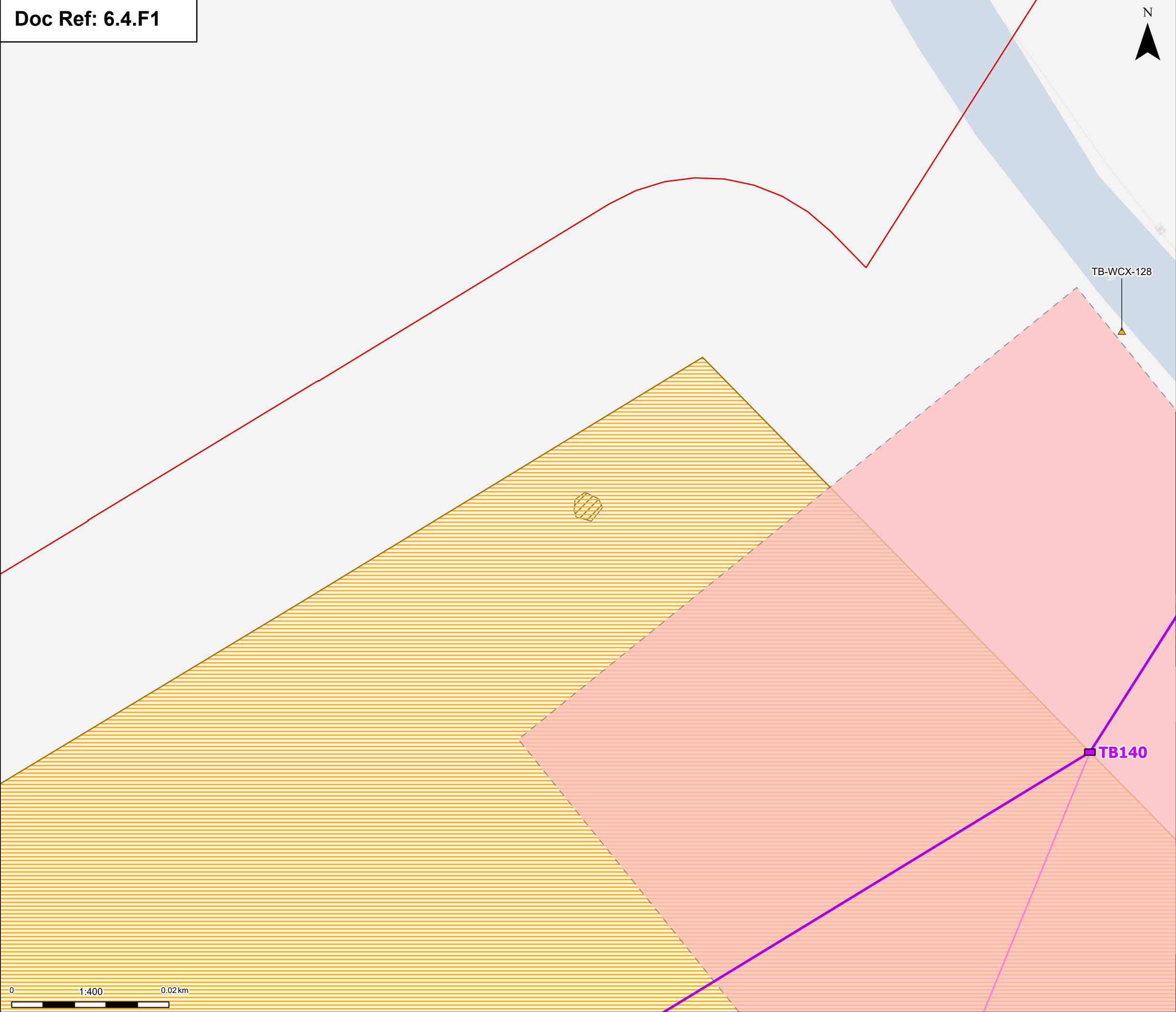
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Proposed Project Design  
Section F  
Page 48 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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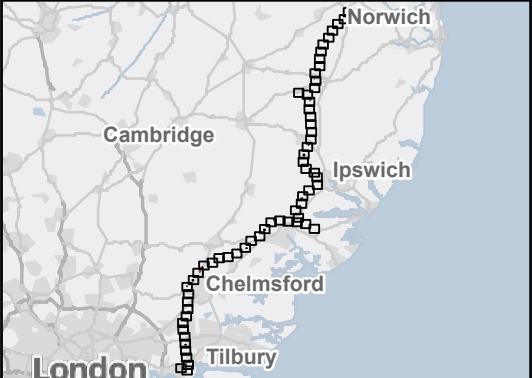
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- Order Limits
- Proposed permanent design details
  - Proposed low height pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
- Proposed temporary design details
  - Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access watercourse crossing - bridge
- 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 4.1 - Project Description -  
Proposed Project Design  
Section F  
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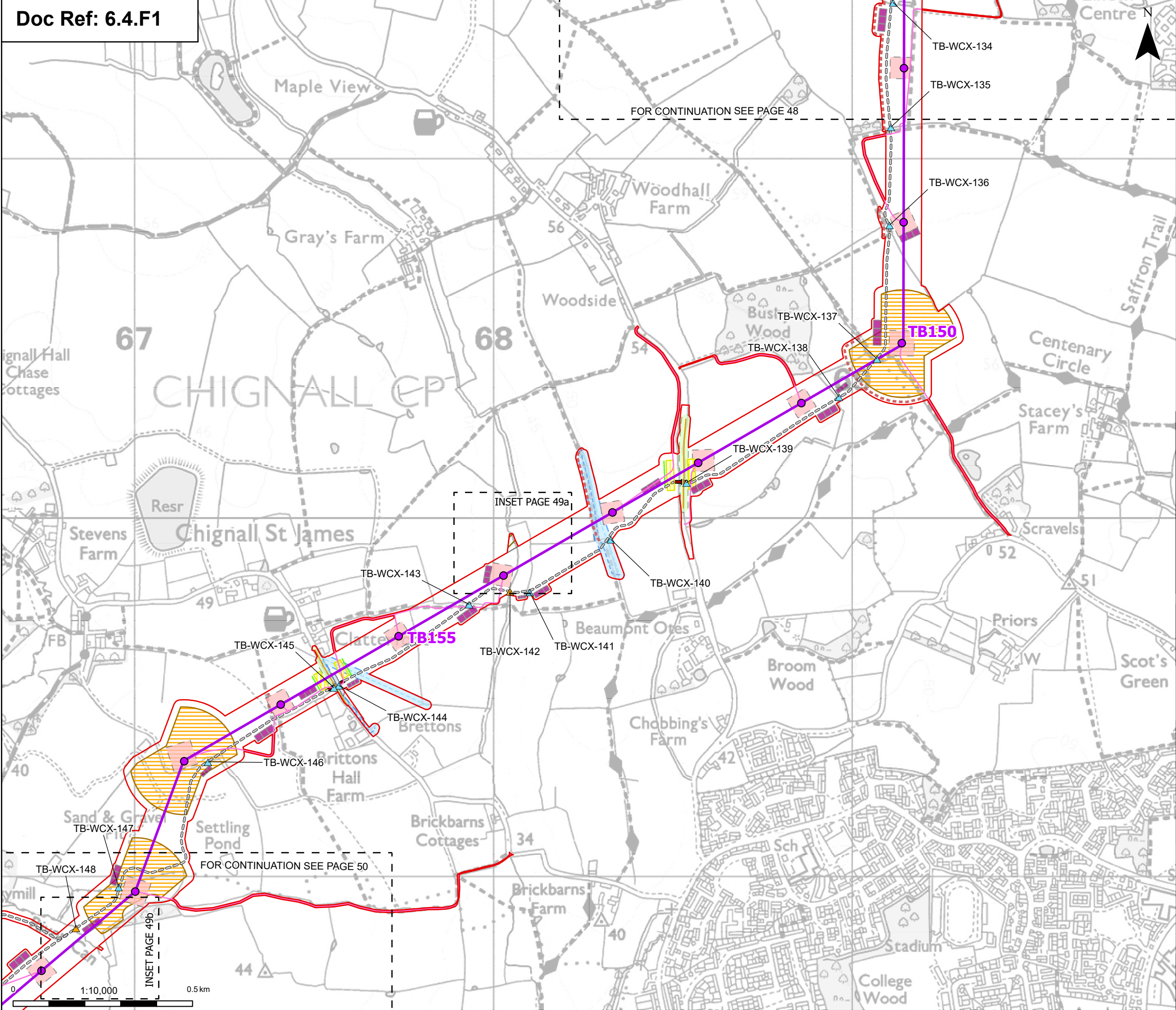
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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**Order Limits**

- Sheet index outline

**Proposed permanent design details**

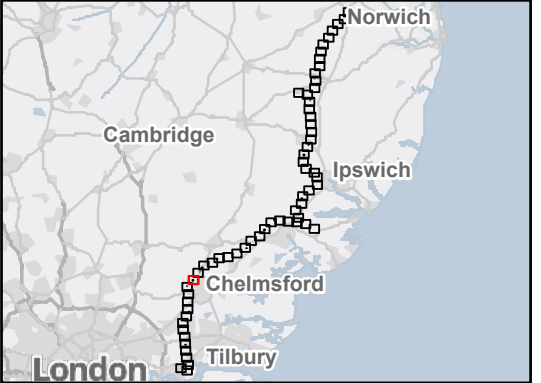
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- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

**Proposed temporary design details**

- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed BT overhead line mitigation work area
- Proposed bellmouth stacking
- Proposed PRow diversions
- Proposed Environmental Mitigation Areas - Temporary
- Proposed overhead line access watercourse crossing - culvert
- Proposed overhead line access watercourse crossing - bridge

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

PROJECT:  
nationalgrid Norwich to Tilbury

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

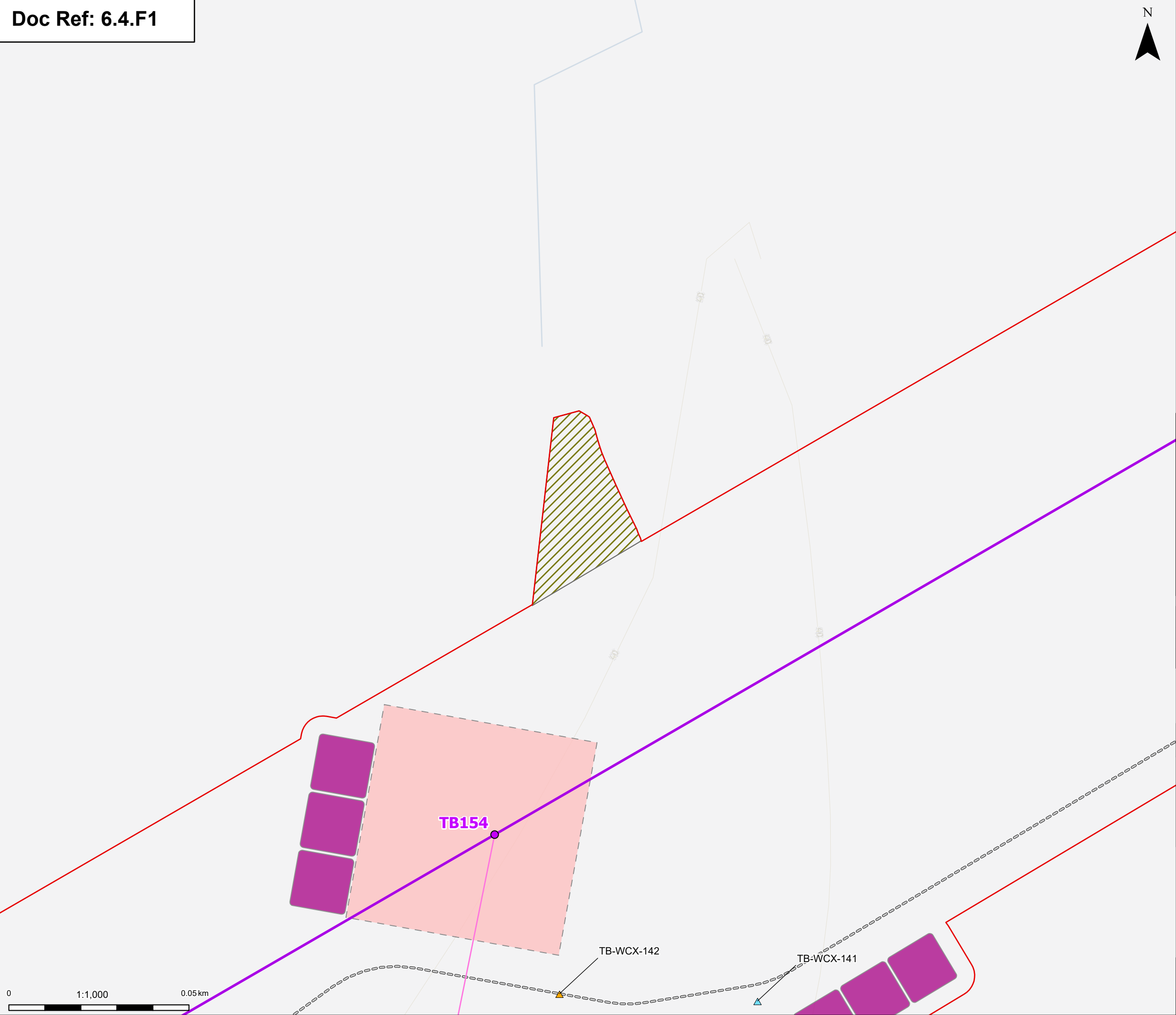
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Figure 4.1 - Project Description -  
Proposed Project Design  
Section F  
Page 49 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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Suitability Description:  
Accepted as Concept Stage

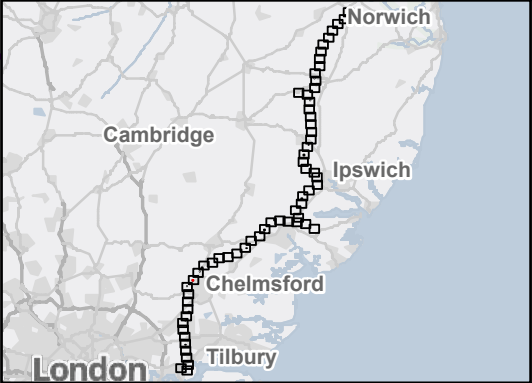
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10059280-ARC-EGN-ZZ-DR-ZZ-00206	A





- Order Limits
- Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
- Proposed temporary design details**
  - Proposed overhead line construction SuDS basin
  - Proposed temporary haul road
  - Proposed pylon construction work area
  - Proposed Environmental Mitigation Areas - Temporary
  - Proposed overhead line access watercourse crossing - culvert
  - Proposed overhead line access watercourse crossing - bridge
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

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Norwich to  
Tilbury

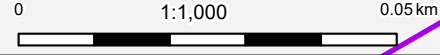
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Regulation 5(2)(a)

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section F  
Page 49a of 63

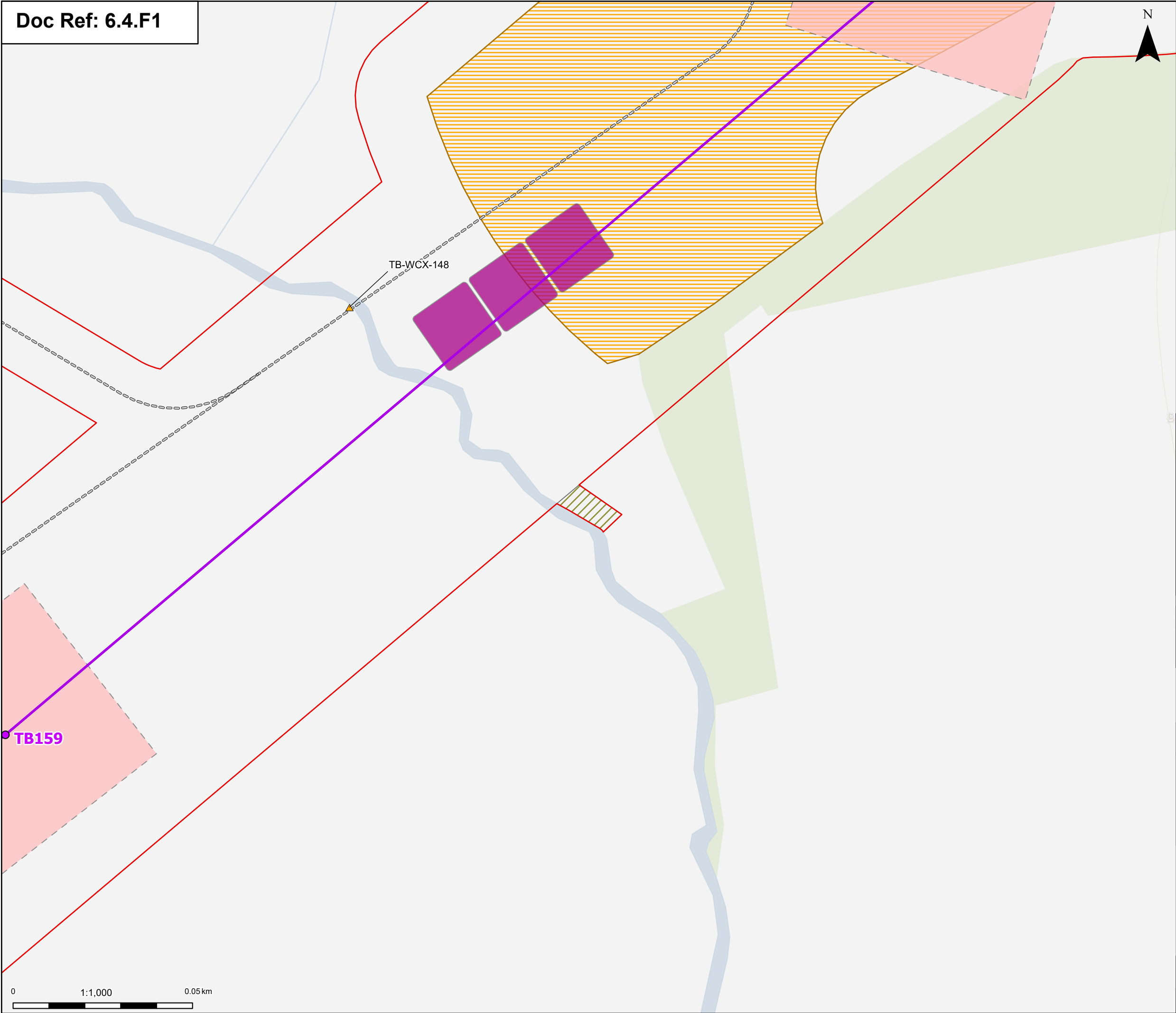
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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**Order Limits**

**Proposed permanent design details**

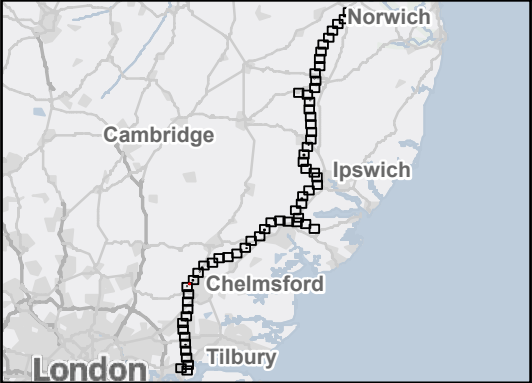
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- Proposed overhead line alignment
- Proposed permanent access (no physical works)

**Proposed temporary design details**

- Proposed overhead line construction SuDS basin
- Proposed temporary haul road
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed Environmental Mitigation Areas - Temporary
- Proposed overhead line access watercourse crossing - bridge

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

**PROJECT:**

**nationalgrid** Norwich to Tilbury

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

Title:

Figure 4.1 - Project Description - Proposed Project Design Section F

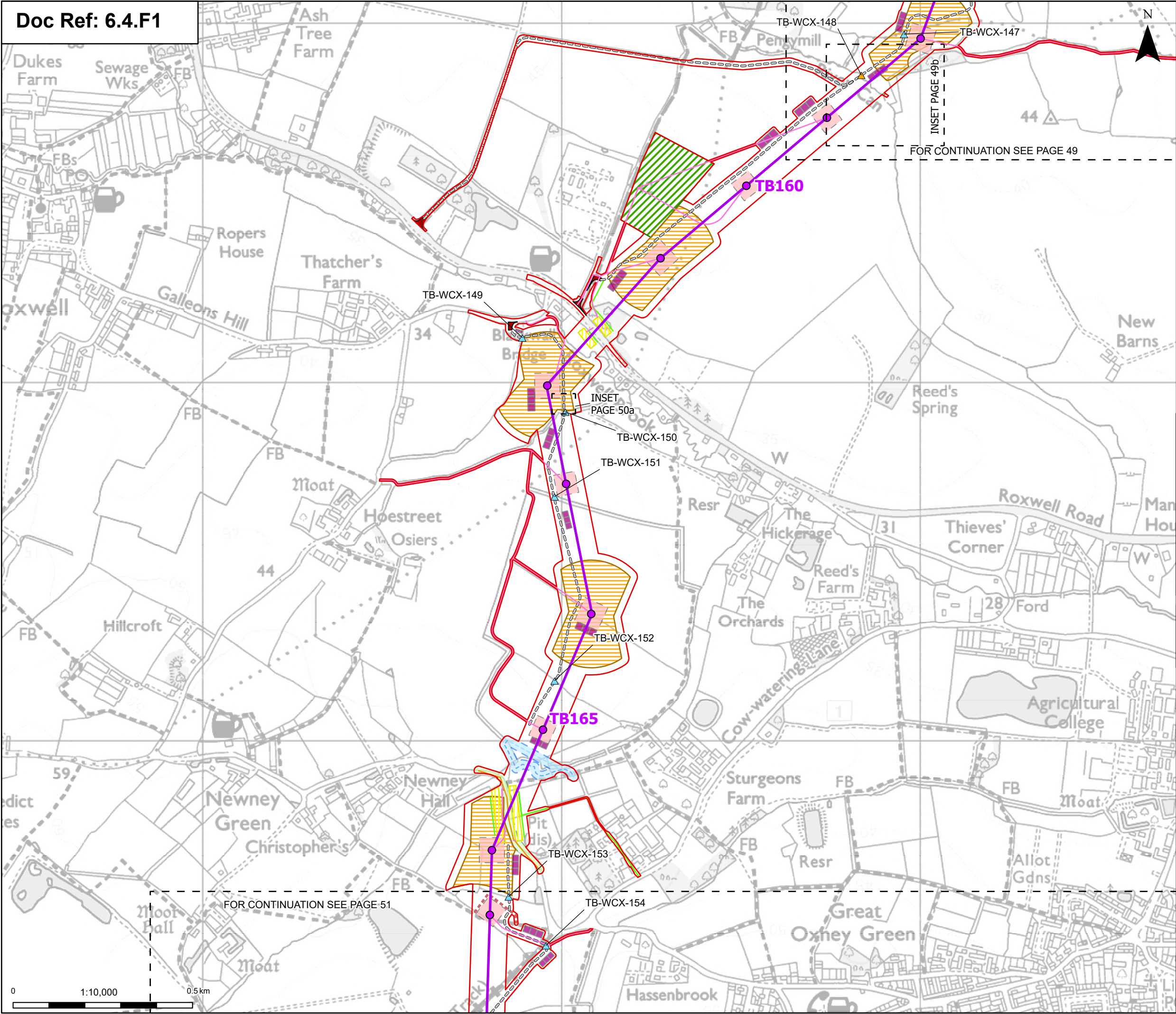
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage	
Drawing Number:	Revision:
10059280-ARC-EGN-ZZ-DR-ZZ-00206	A





**Order Limits**

Sheet index outline

**Proposed permanent design details**

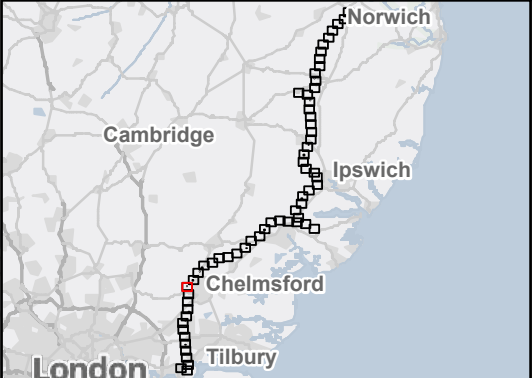
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

**Proposed temporary design details**

- Proposed construction laydown areas
- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed BT overhead line mitigation work area
- Proposed PRoW diversions
- Proposed Environmental Mitigation Areas - Temporary
- Proposed overhead line access watercourse crossing - culvert
- Proposed overhead line access watercourse crossing - bridge

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
Rev	Date	Description	Drawn	Check	Approv

PROJECT: **Norwich to Tilbury**

**nationalgrid**

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

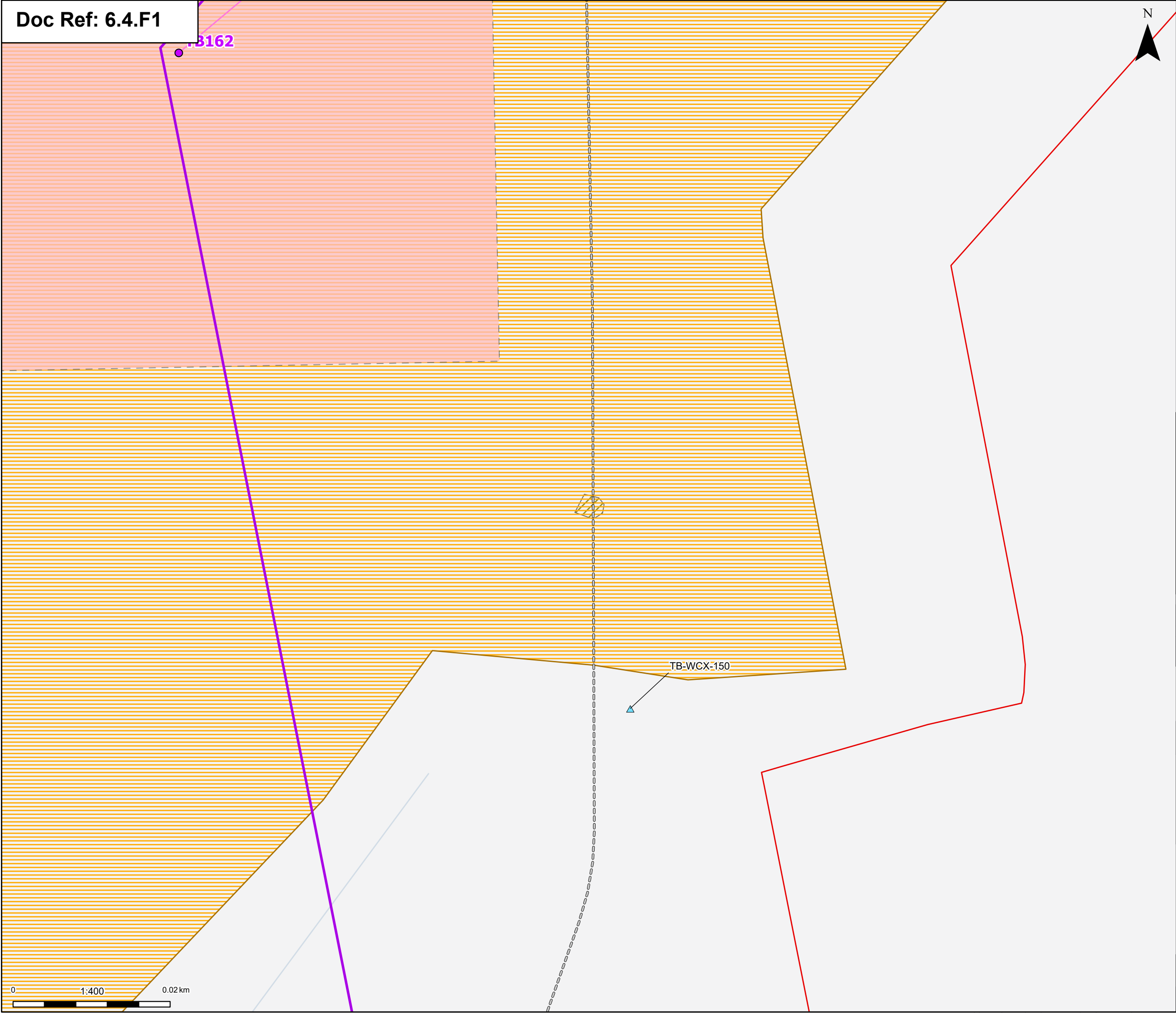
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**Page 50 of 63**

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: **Accepted as Concept Stage**

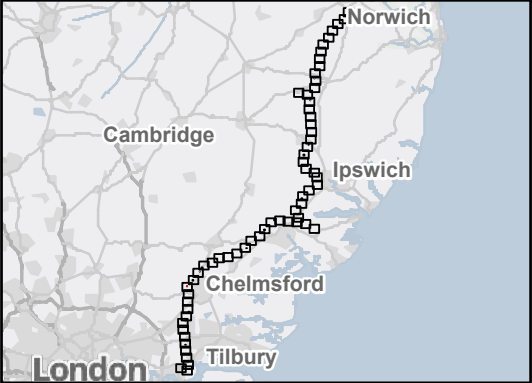
Drawing Number: **10059280-ARC-EGN-ZZ-DR-ZZ-00206** Revision: **A**





- Order Limits
- Proposed permanent design details
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
- Proposed temporary haul road
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed Environmental Mitigation Areas - Temporary
- Proposed overhead line access watercourse crossing - culvert
- 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

PROJECT:  
Norwich to  
Tilbury

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

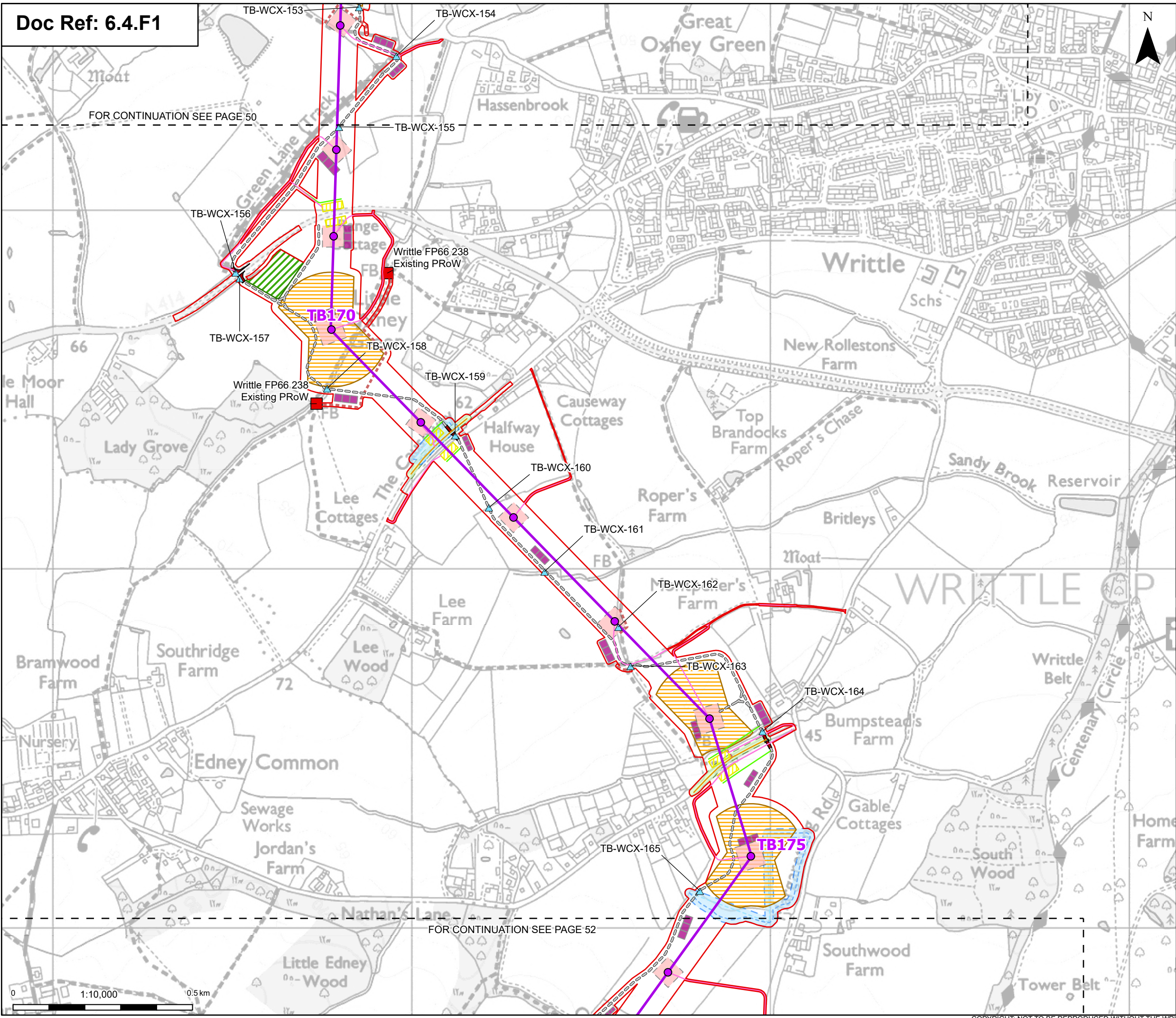
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Figure 4.1 - Project Description -  
Proposed Project Design  
Section F  
Page 50a of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:400	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: A
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**Order Limits**

- Sheet index outline

**Proposed permanent design details**

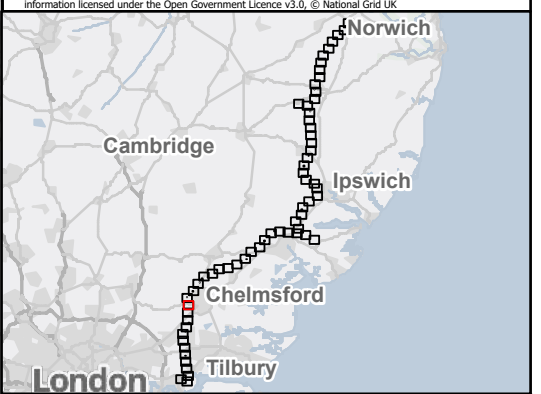
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- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

**Proposed temporary design details**

- Proposed construction laydown areas
- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed BT overhead line mitigation work area
- Proposed PRoW diversions
- Proposed overhead line access watercourse crossing - culvert
- Proposed PRoW temporary stopped up - watercourse crossings

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: **Norwich to Tilbury**

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

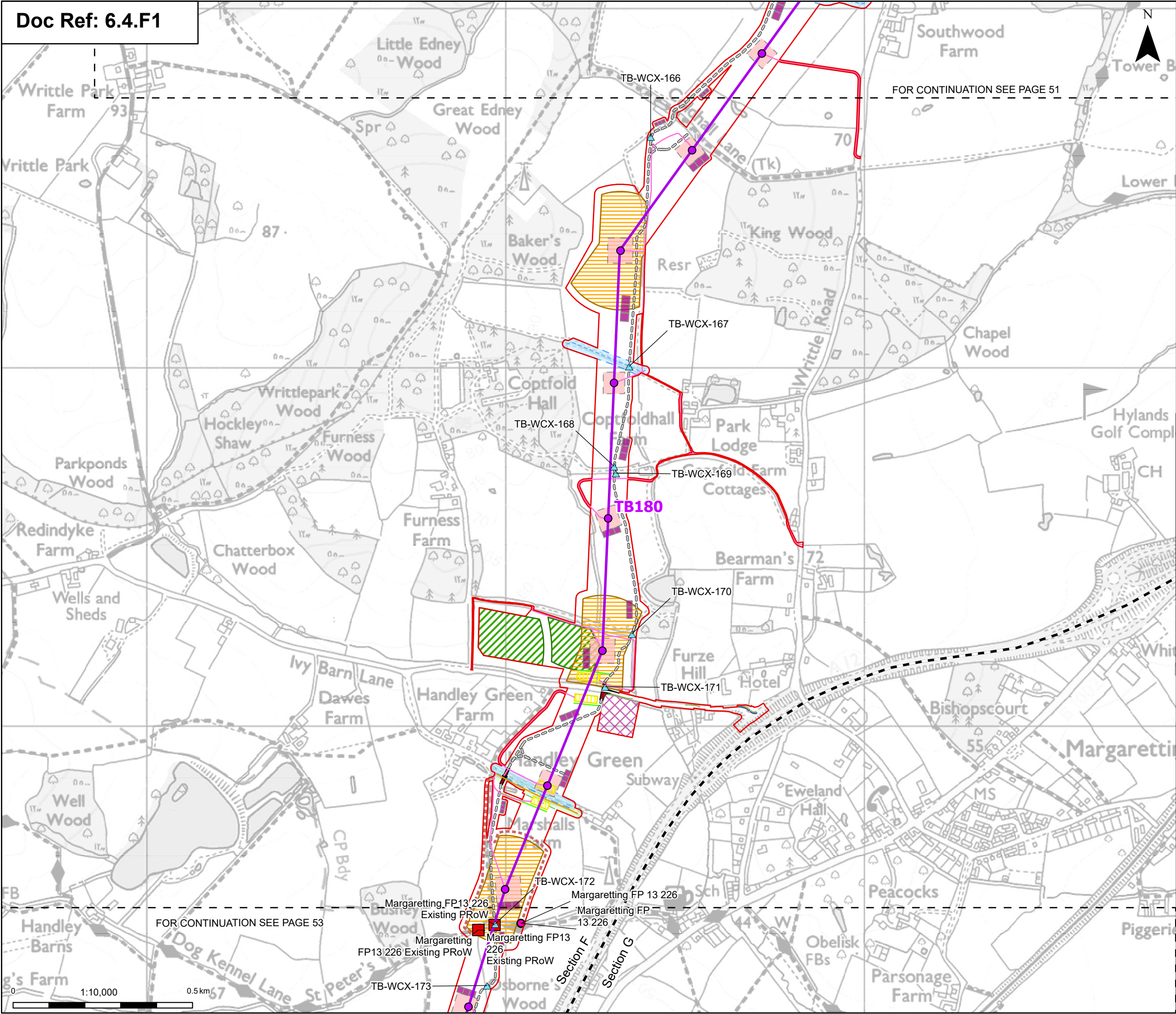
Title: **Figure 4.1 - Project Description - Proposed Project Design Section F**  
Page 51 of 63

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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Accepted as Concept Stage

Drawing Number:	10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision:	A
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Order Limits

Sheet index cutline

Project section line

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 Footway (Hatching)

Proposed Verge (Hatching)

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed highways mitigation compounds

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

Proposed PRoW temporary diversions - watercourse crossings

Proposed PRoW temporary stopped up - watercourse

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

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nationalgrid

PROJECT:  
Norwich to  
Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Sections F and G  
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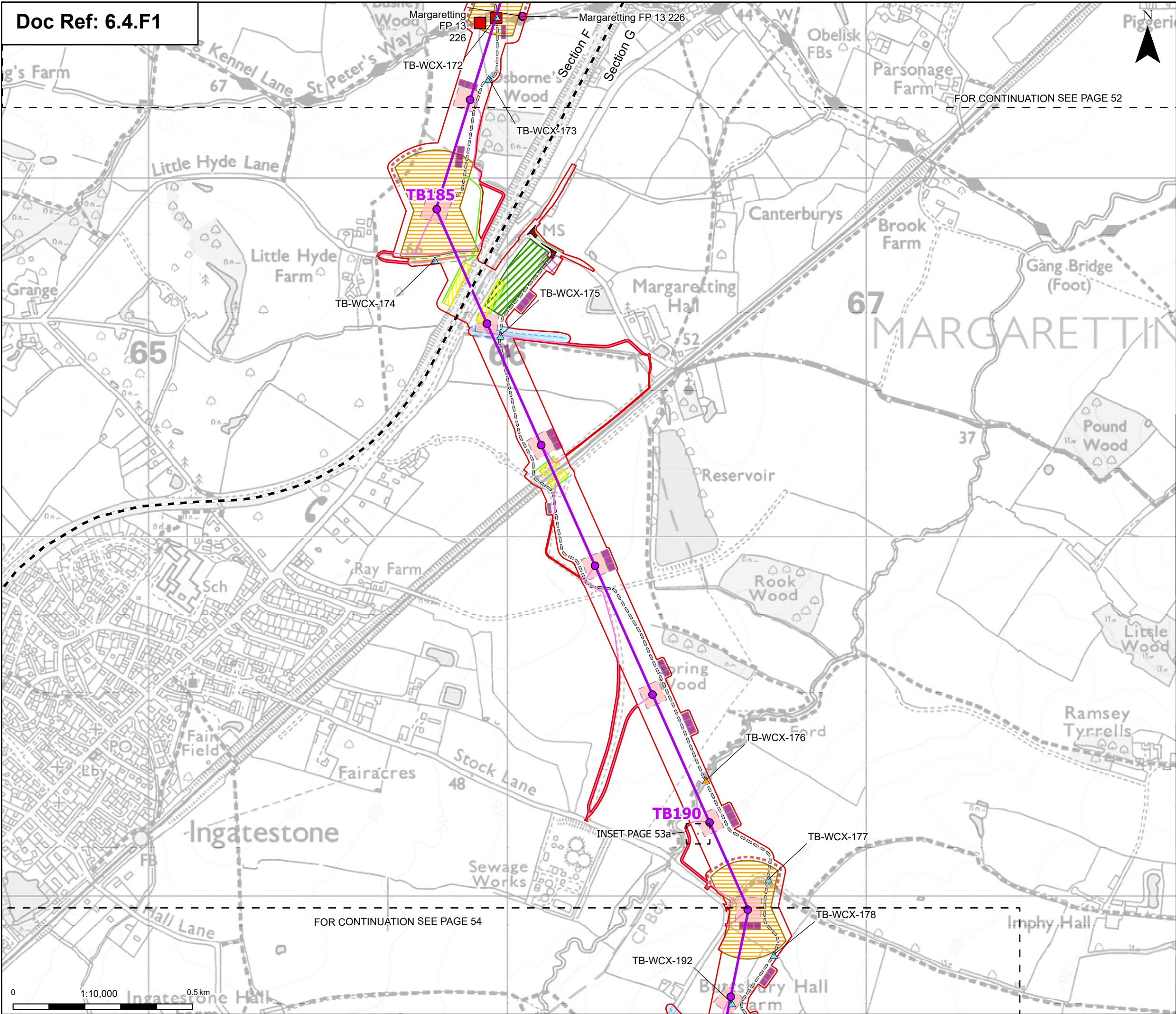
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Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

Sheet index cutline

Project section line

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 Verge (Hatching)

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed temporary design details

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed BT overhead line mitigation work area

Proposed highways mitigation compounds

Proposed PRoW diversions

Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - culvert

Proposed overhead line access watercourse crossing - bridge

Proposed PRoW temporary diversions - watercourse crossings

Proposed PRoW temporary stopped up - watercourse crossings

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

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nationalgrid

PROJECT:

Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Sections F and G  
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Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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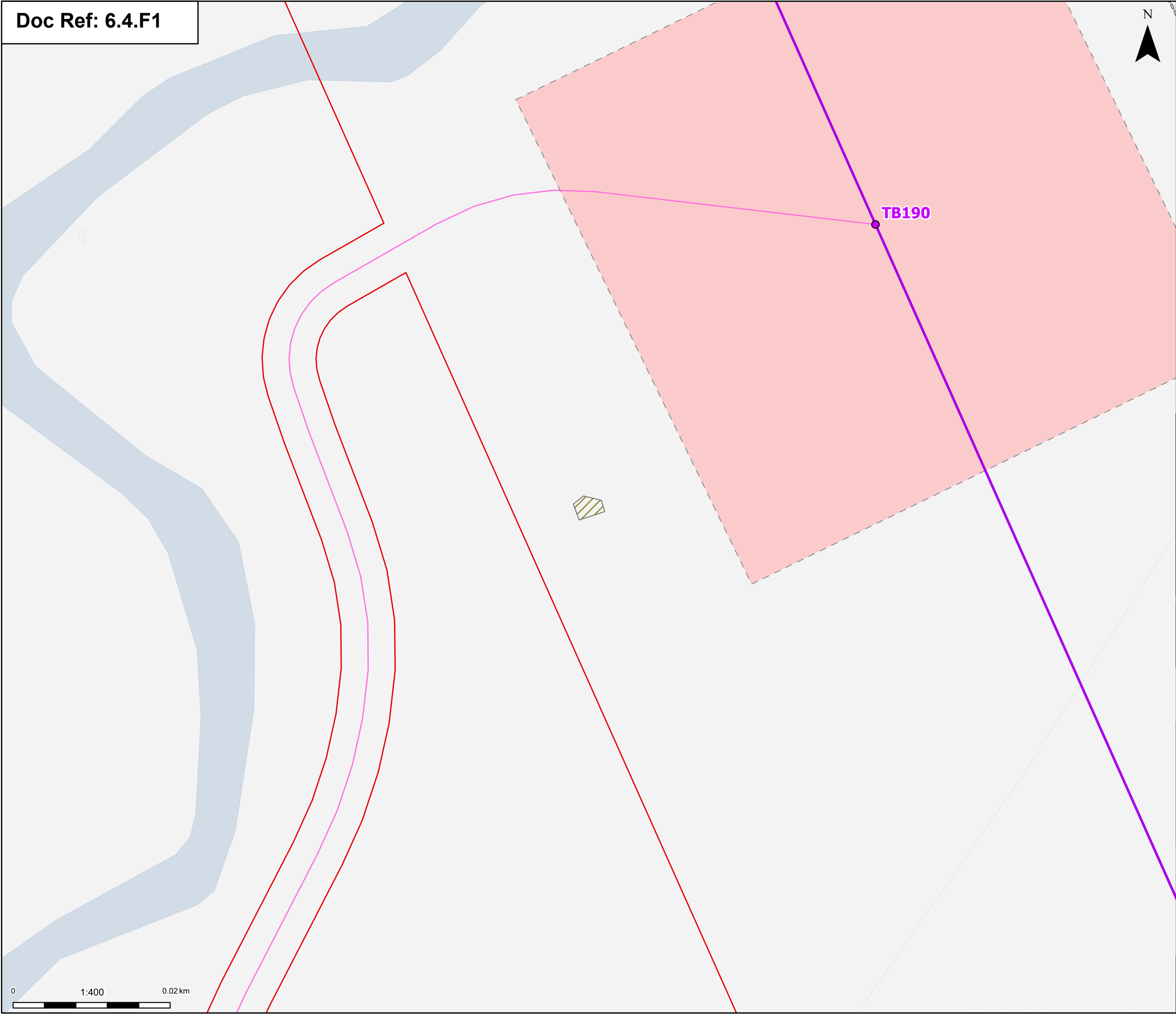
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Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

Proposed permanent design details

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Proposed overhead line alignment

Proposed permanent access (no physical works)

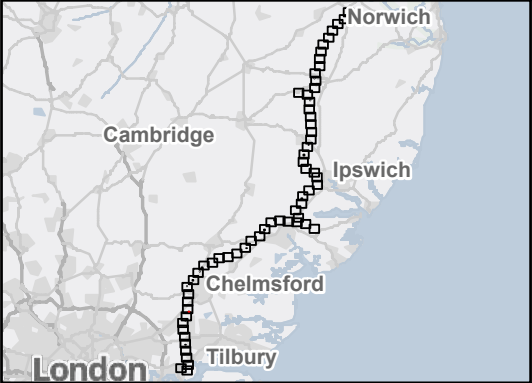
Proposed temporary haul road

Proposed pylon construction work area

Proposed Environmental Mitigation Areas - Temporary

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

PROJECT:

nationalgrid

Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section G  
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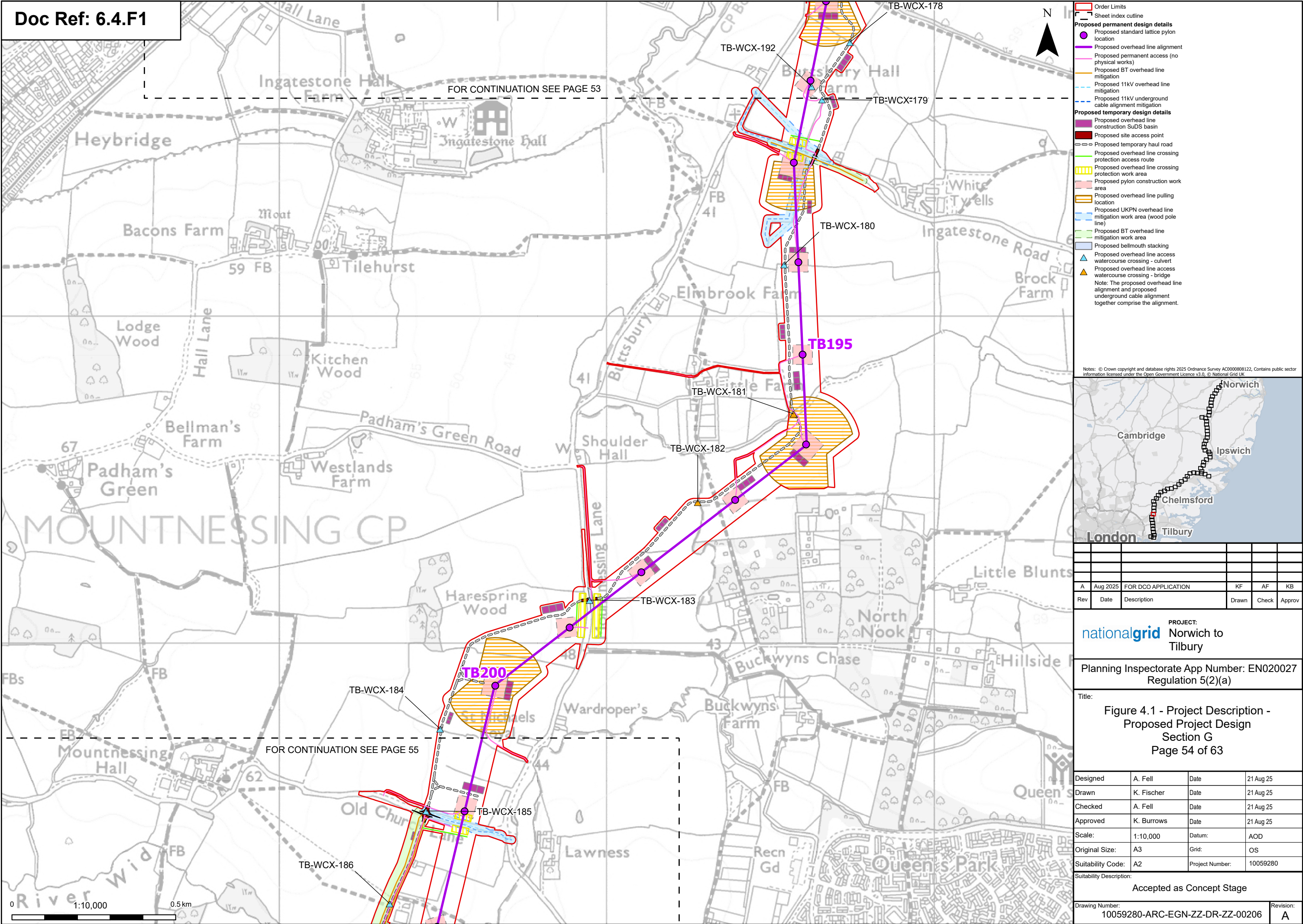
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:400	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

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

Revision:  
A

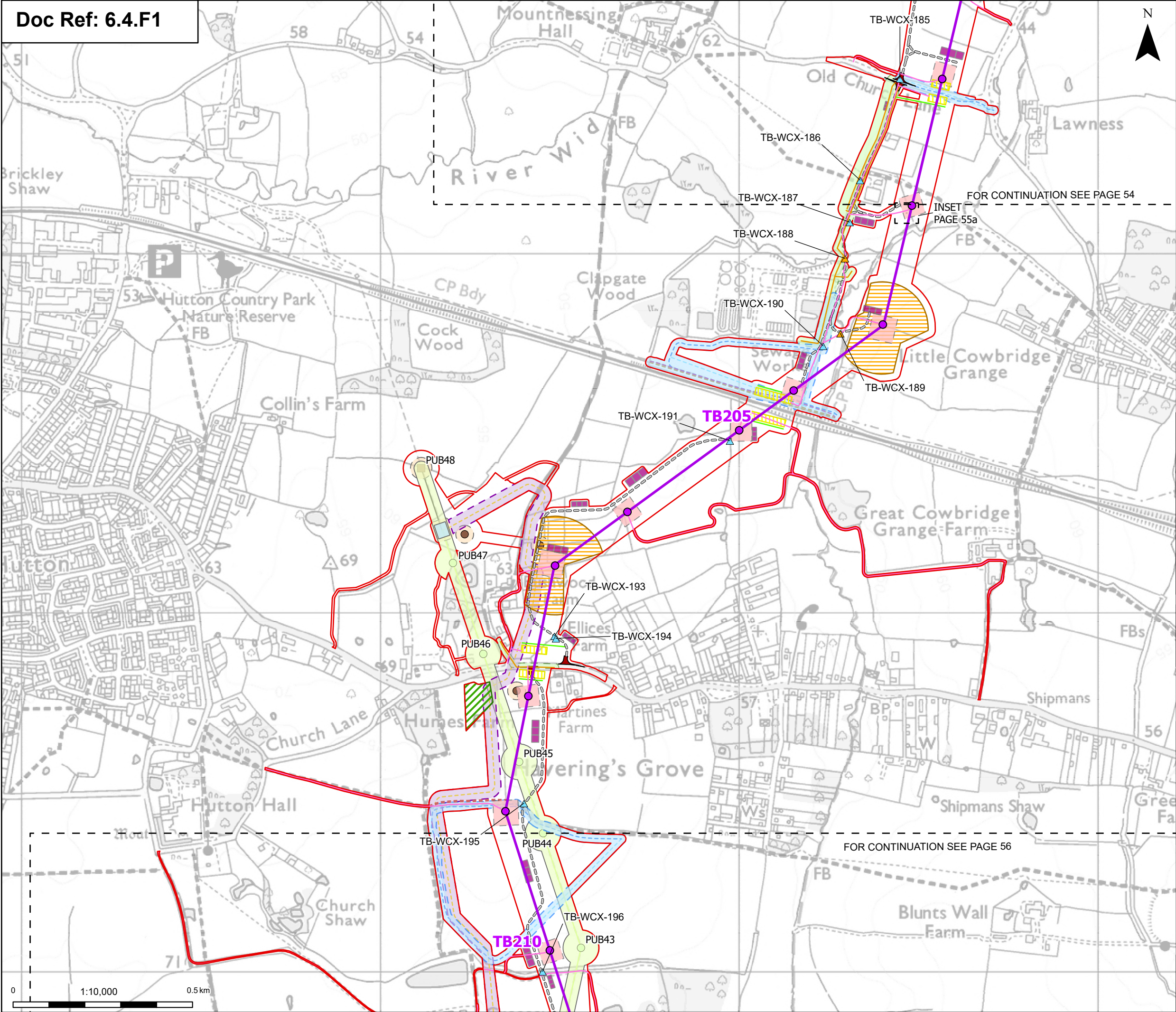




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Order Limits

Sheet index outline

**Proposed permanent design details**

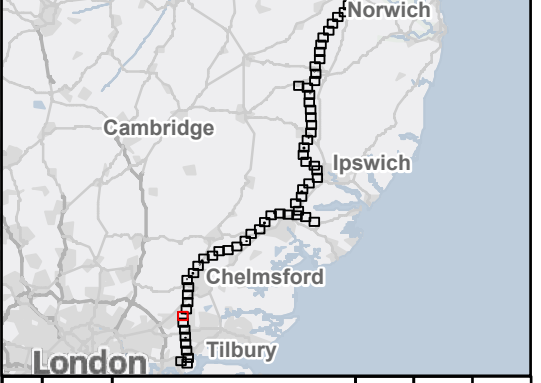
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- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN dismantle centreline
- Proposed UKPN existing centreline (modified)
- Proposed UKPN cable centreline

**Proposed temporary design details**

- Proposed construction laydown areas
- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed UKPN overhead line temporary structure (only angles)
- Proposed UKPN cable sealing end platform
- Proposed UKPN cable temporary works
- Proposed UKPN tower dismantle assets
- Proposed UKPN tower overhead line temporary works
- Proposed BT overhead line mitigation work area
- Proposed PRoW diversions centreline
- Proposed Environmental Mitigation Areas - Temporary
- Proposed overhead line access watercourse crossing - culvert
- Proposed overhead line access watercourse crossing - bridge

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 4.1 - Project Description -  
Proposed Project Design  
Section G  
Page 55 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	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:	A
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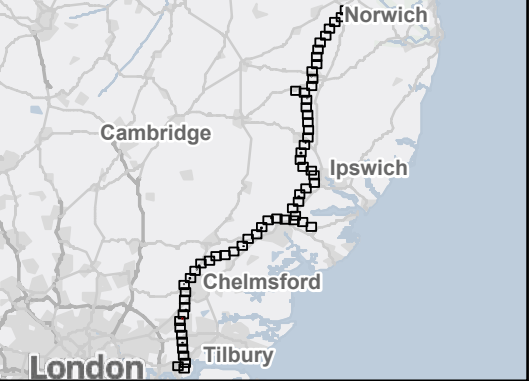




- Order Limits
- Proposed permanent design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed temporary haul road
  - Proposed pylon construction work area
  - Proposed Environmental Mitigation Areas - Temporary
- Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment.

TB202

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Rev	Date	Description	Drawn	Check	Approv

**PROJECT:**  
nationalgrid Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section G  
Page 55a of 63

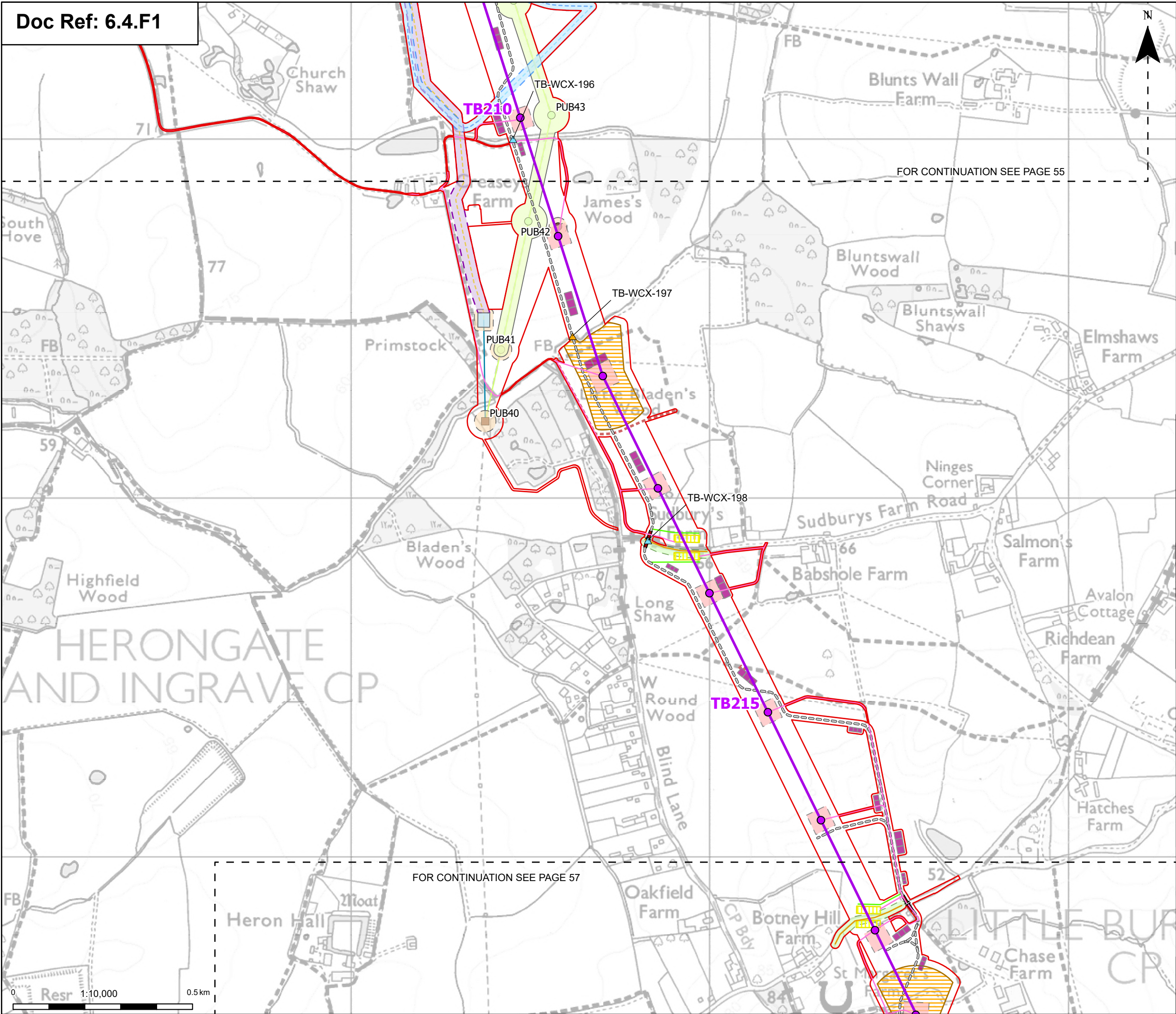
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Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

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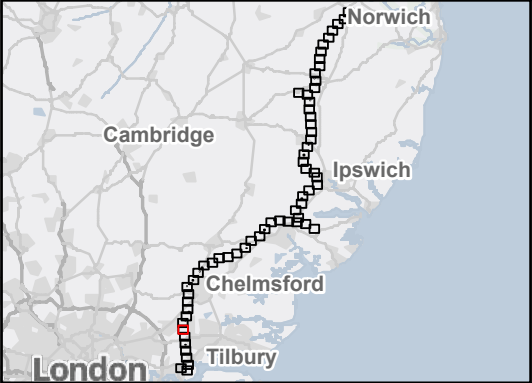






- Order Limits**
- Sheet index cutline
- Proposed permanent design details**
- Proposed standard lattice pylon location
  - Proposed overhead line alignment
  - Proposed permanent access (no physical works)
  - Proposed BT overhead line mitigation
  - Proposed 11kV overhead line mitigation
  - Proposed 11kV underground cable alignment mitigation
  - Proposed UKPN overhead line dismantle towers
  - Proposed UKPN overhead line existing tower (to be modified)
  - Proposed UKPN dismantle centreline
  - Proposed UKPN New Centreline
  - Proposed UKPN cable centreline
- Proposed temporary design details**
- Proposed overhead line construction SuDS basin
  - Proposed site access point
  - Proposed temporary haul road
  - Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area**
- Proposed pylon construction work area
  - Proposed overhead line pulling location
  - Proposed UKPN overhead line mitigation work area (wood pole line)
  - Proposed UKPN overhead line temporary structure (only angles)
  - Proposed UKPN cable sealing end platform
  - Proposed UKPN cable temporary works
  - Proposed UKPN tower dismantle assets
  - Proposed UKPN tower overhead line temporary works
  - Proposed BT overhead line mitigation work area
  - Proposed ProW diversions
  - Proposed overhead line access watercourse crossing - culvert
  - Proposed overhead line access watercourse crossing - bridge
- 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
Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
nationalgrid Norwich to Tilbury

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

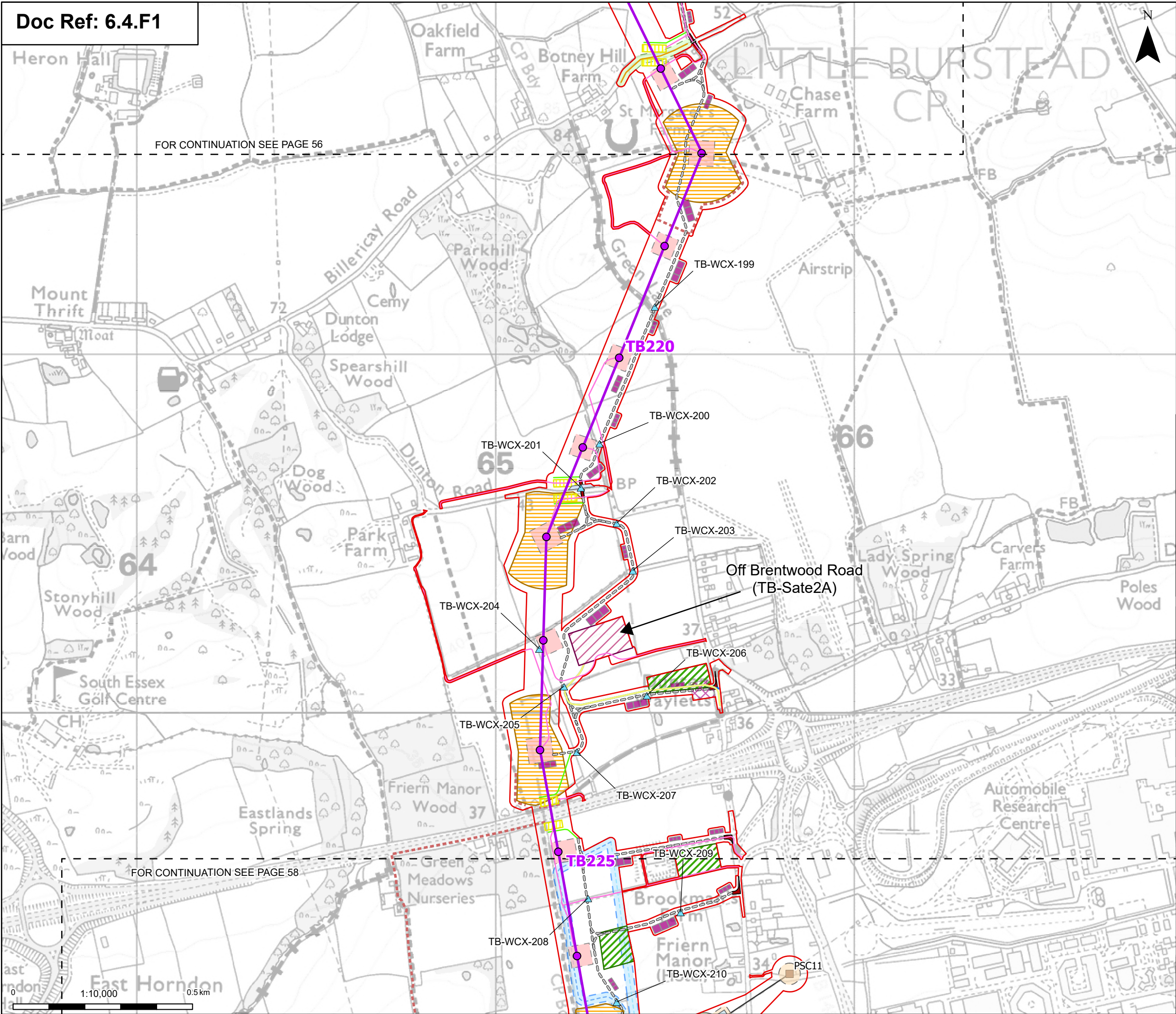
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Proposed Project Design  
Section G  
Page 56 of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	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:  
A





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 Verge (Hatching)

Proposed 11kV overhead line mitigation

Proposed 11kV underground cable alignment mitigation

Proposed UKPN overhead line existing tower (to be modified)

Proposed UKPN existing centreline (modified)

Proposed temporary design details

Proposed satellite construction compound

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN cable sealing end platform

Proposed UKPN tower dismantle assets

Proposed UKPN tower overhead line temporary works

Proposed BT overhead line mitigation work area

Proposed highways mitigation compounds

Proposed overhead line compound utility connections - electricity

Proposed overhead line compound utility connections - water

Proposed bellmouth stacking

Proposed PRow diversions

Proposed overhead line access watercourse crossing - culvert

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 4.1 - Project Description -  
Proposed Project Design  
Section G  
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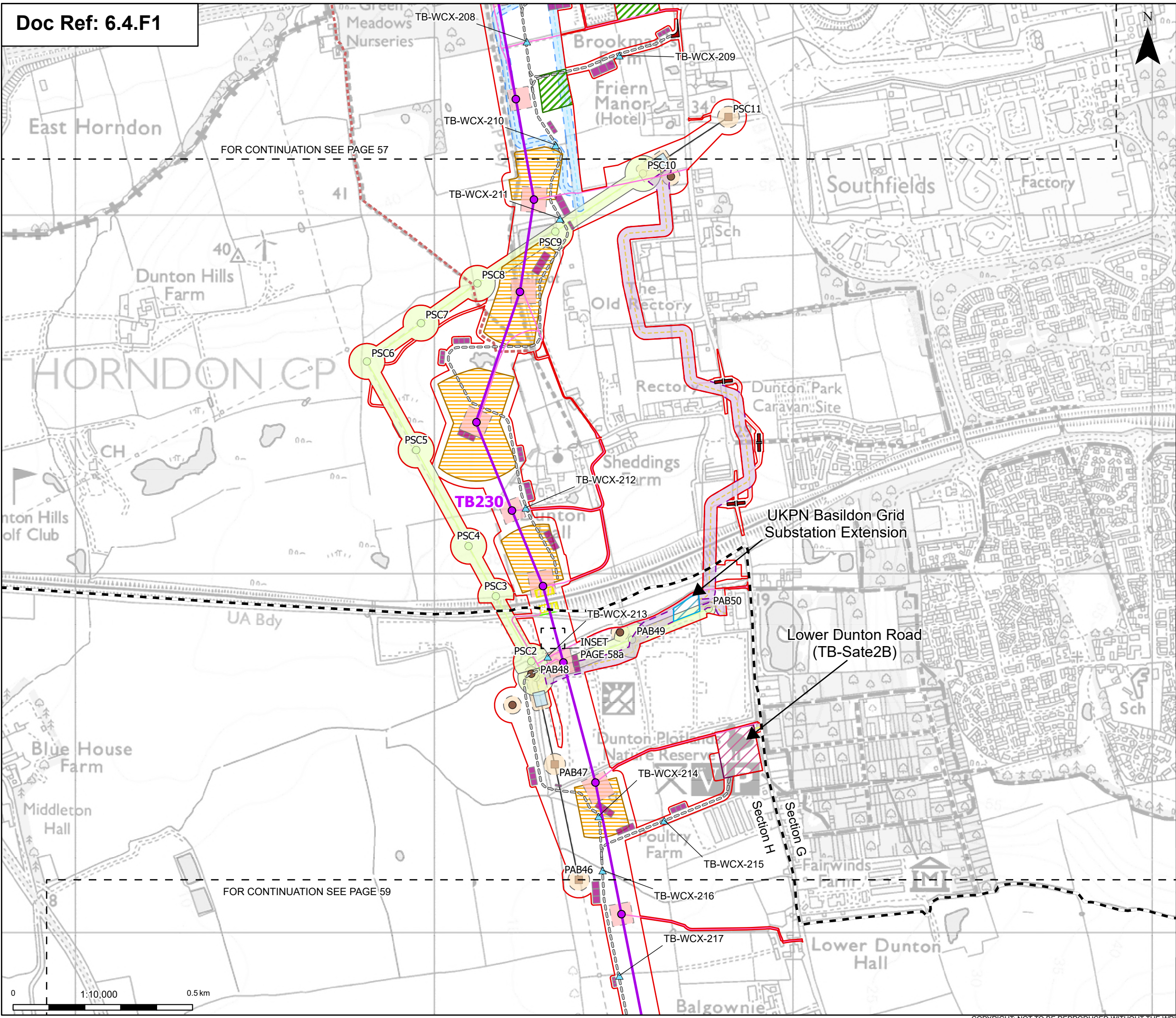
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

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Order Limits

Sheet index cutline

Project section line

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 substation extensions

Proposed UKPN overhead line dismantle towers

Proposed UKPN overhead line existing tower (to be modified)

Proposed UKPN dismantle centreline

Proposed UKPN existing centreline (modified)

Proposed UKPN Cable Access

Proposed UKPN cable centreline

Proposed temporary design details

Proposed satellite construction compound

Proposed construction laydown areas

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN overhead line temporary structure (only angles)

Proposed UKPN cable sealing end platform

Proposed UKPN cable temporary works

Proposed UKPN tower dismantle assets

Proposed UKPN tower overhead line temporary works

Proposed overhead line compound utility connections - electricity

Proposed overhead line compound utility connections - water

Proposed PRoW diversions

Proposed Environmental Mitigation Areas - Temporary

Proposed overhead line access watercourse crossing - culvert

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 4.1 - Project Description - Proposed Project Design Sections G and H**  
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Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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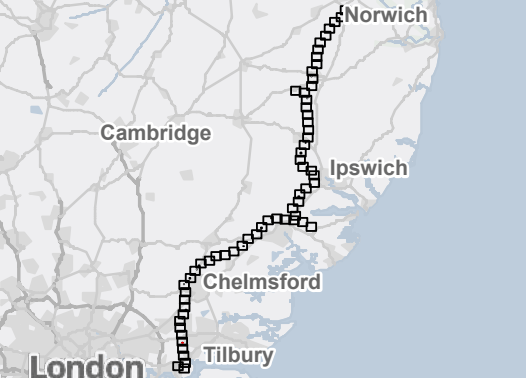
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- Order Limits
- Proposed permanent design details
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed UKPN dismantle centreline
- Proposed temporary design details
- Proposed overhead line construction SuDS basin
- Proposed overhead line crossing protection access route
- Proposed pylon construction work area
- Proposed UKPN tower dismantle assets
- Proposed Environmental Mitigation Areas - Temporary
- Proposed overhead line access watercourse crossing - culvert
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Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
Norwich to  
Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section H  
Page 58a of 63

Designed	A. Fell	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:400	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

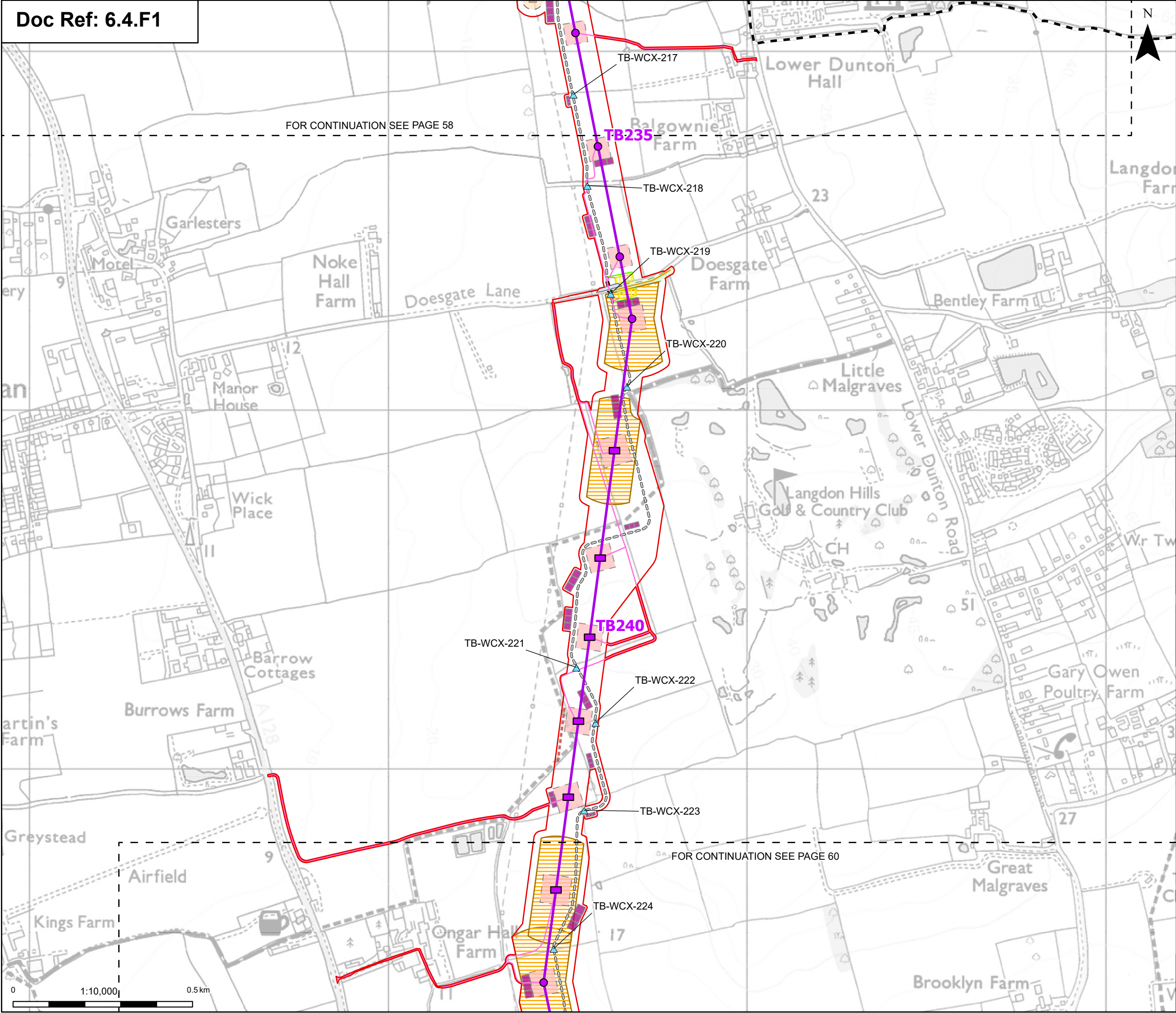
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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TB-WCX-213







Order Limits

Sheet index outline

Project section line

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)

Proposed temporary design details

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN tower overhead line temporary works

Proposed BT overhead line mitigation work area

Proposed bellmouth stacking

Proposed PRoW diversions

Proposed overhead line access watercourse crossing - culvert

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

PROJECT:

nationalgrid

Norwich to Tilbury

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

Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Sections G and H  
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

Drawing Number:

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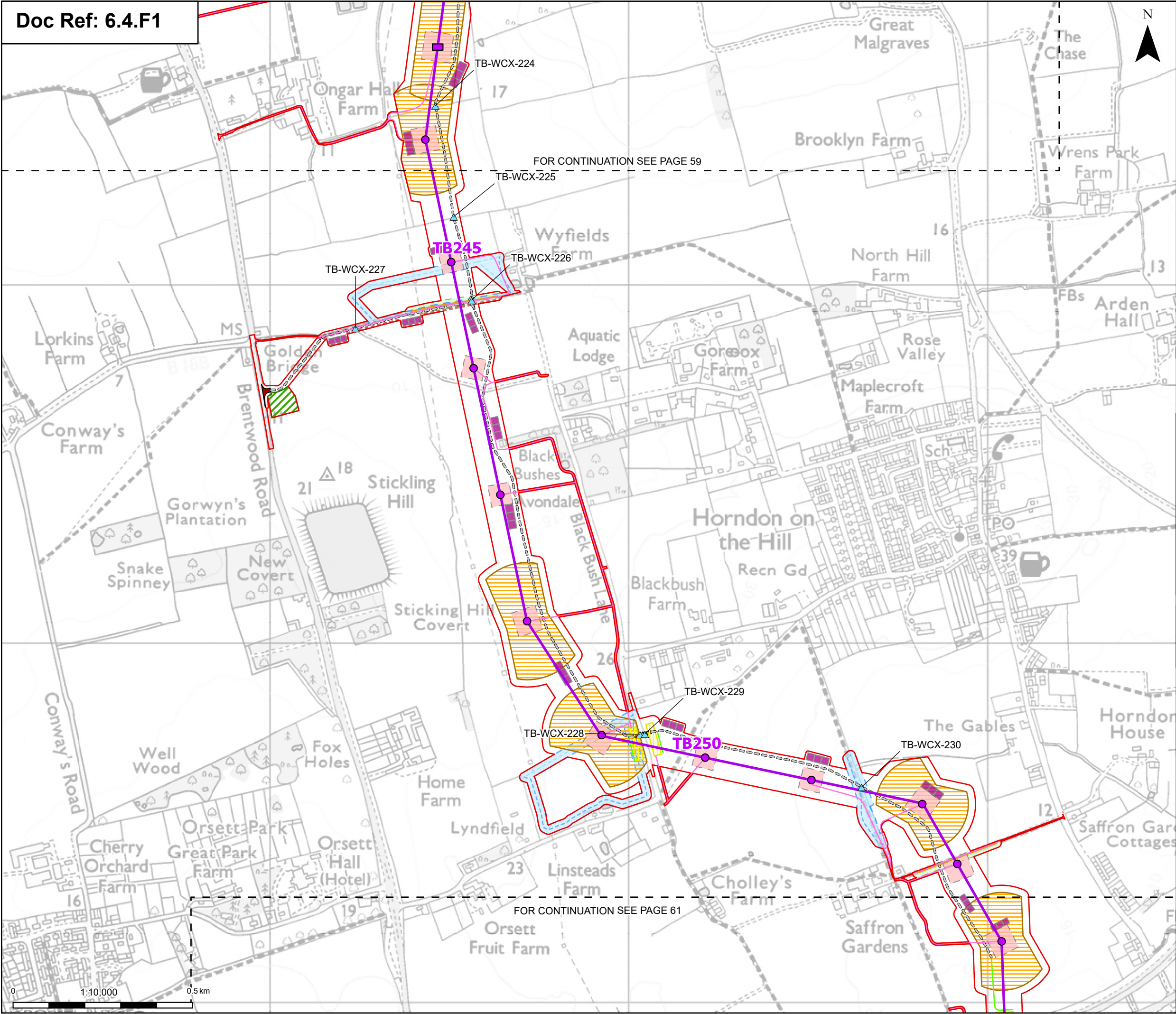
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**Order Limits**

- Sheet index outline

**Proposed permanent design details**

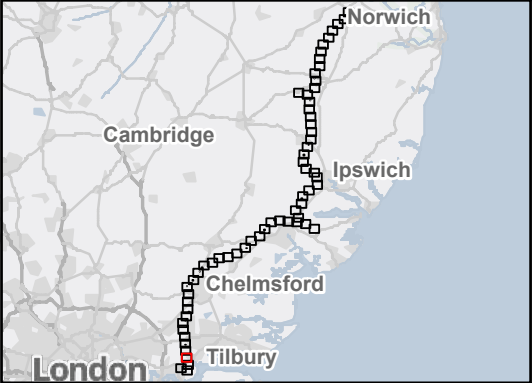
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Proposed BT overhead line mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation

**Proposed temporary design details**

- Proposed construction laydown areas
- Proposed overhead line construction SuDS basin
- Proposed site access point
- Proposed temporary haul road
- Proposed overhead line crossing protection access route
- Proposed overhead line crossing protection work area
- Proposed pylon construction work area
- Proposed overhead line pulling location
- Proposed UKPN overhead line mitigation work area (wood pole line)
- Proposed BT overhead line mitigation work area
- Proposed PRoW diversions
- Proposed overhead line access watercourse crossing - culvert

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

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PROJECT:  
nationalgrid Norwich to  
Tilbury

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Regulation 5(2)(a)

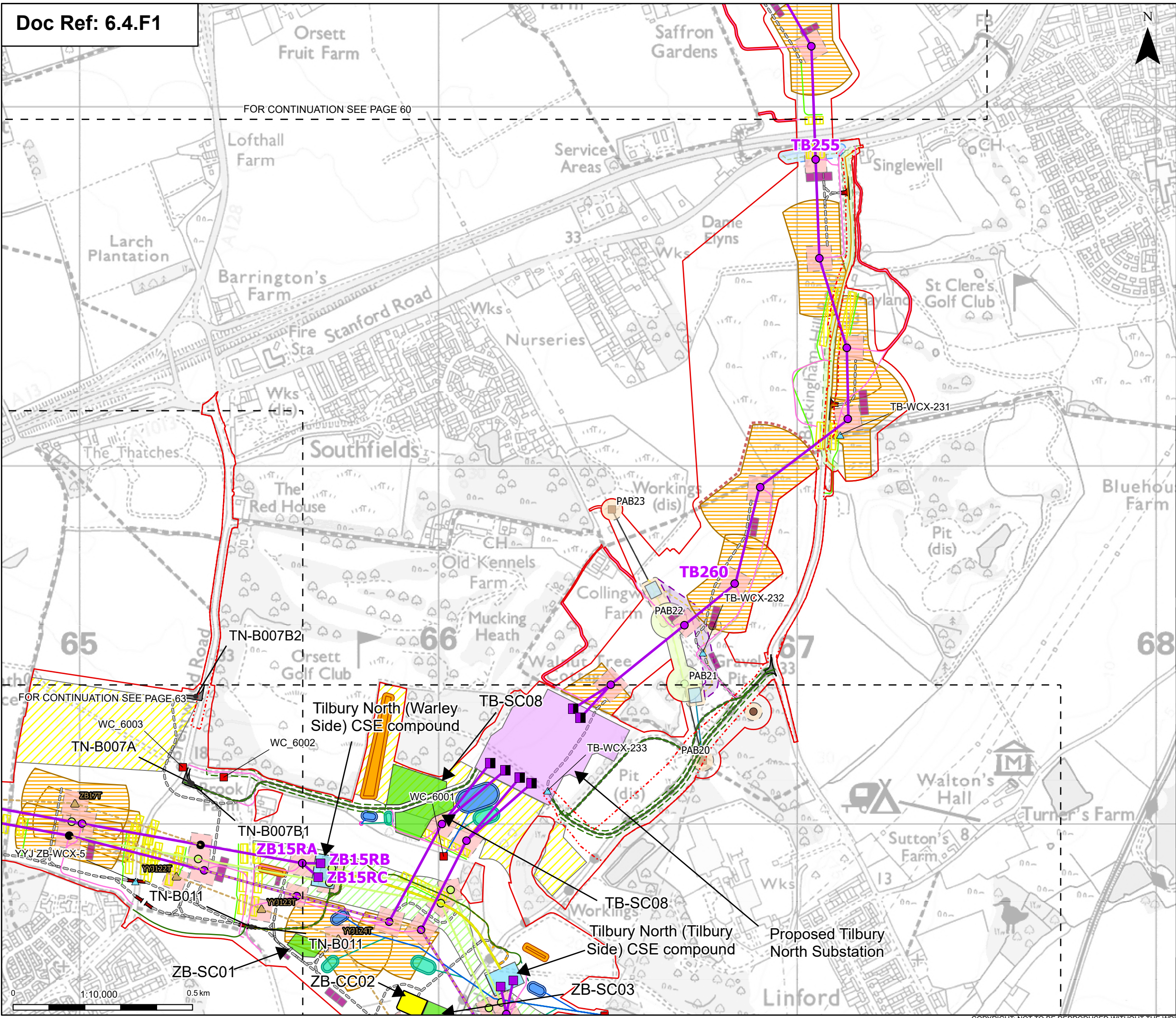
Title:  
Figure 4.1 - Project Description -  
Proposed Project Design  
Section H  
Page 60 of 63

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Suitability Description:  
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Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00206	Revision: A
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Order Limits

Tilbury North highways Order

Limits

Sheet index outline

Proposed permanent design details

Proposed full line tension gantry

Proposed low duty gantry

Existing pylon (modify)

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed permanent access (no physical works)

Proposed BT overhead line mitigation

Proposed Tilbury North Substation

Proposed comms connection

Proposed cable sealing end (CSE) compound

Proposed permanent attenuation drainage channel

Proposed permanent attenuation drainage pond

Proposed permanent drainage access route

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed cable permanent access (no physical works)

Proposed permanent spoil bund hatch

Proposed dismantle overhead line pylon positions

Proposed dismantle overhead line alignment

Proposed Environmental Areas - Permanent

Proposed Environmental Mitigation Areas - Permanent

Proposed LV overhead line

Proposed LV proposed underground cable alignment

Proposed UKPN overhead line dismantle towers

Proposed UKPN overhead line existing tower (to be modified)

Proposed UKPN dismantle centreline

Proposed UKPN existing centreline (modified)

Proposed UKPN New Centreline

Proposed UKPN cable centreline

Proposed permanent site access points

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent

Proposed temporary design details

Proposed underground cable construction compound

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed temporary attenuation drainage

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed UKPN overhead line mitigation work area (wood pole line)

Proposed UKPN overhead line temporary structure (only angles)

Proposed UKPN cable sealing end platform

Proposed UKPN cable temporary works

Proposed UKPN tower dismantle assets

Proposed UKPN tower overhead line temporary works

Proposed BT overhead line mitigation work area

Proposed outfall location

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PROJECT:

nationalgrid

Norwich to Tilbury

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

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Figure 4.1 - Project Description -  
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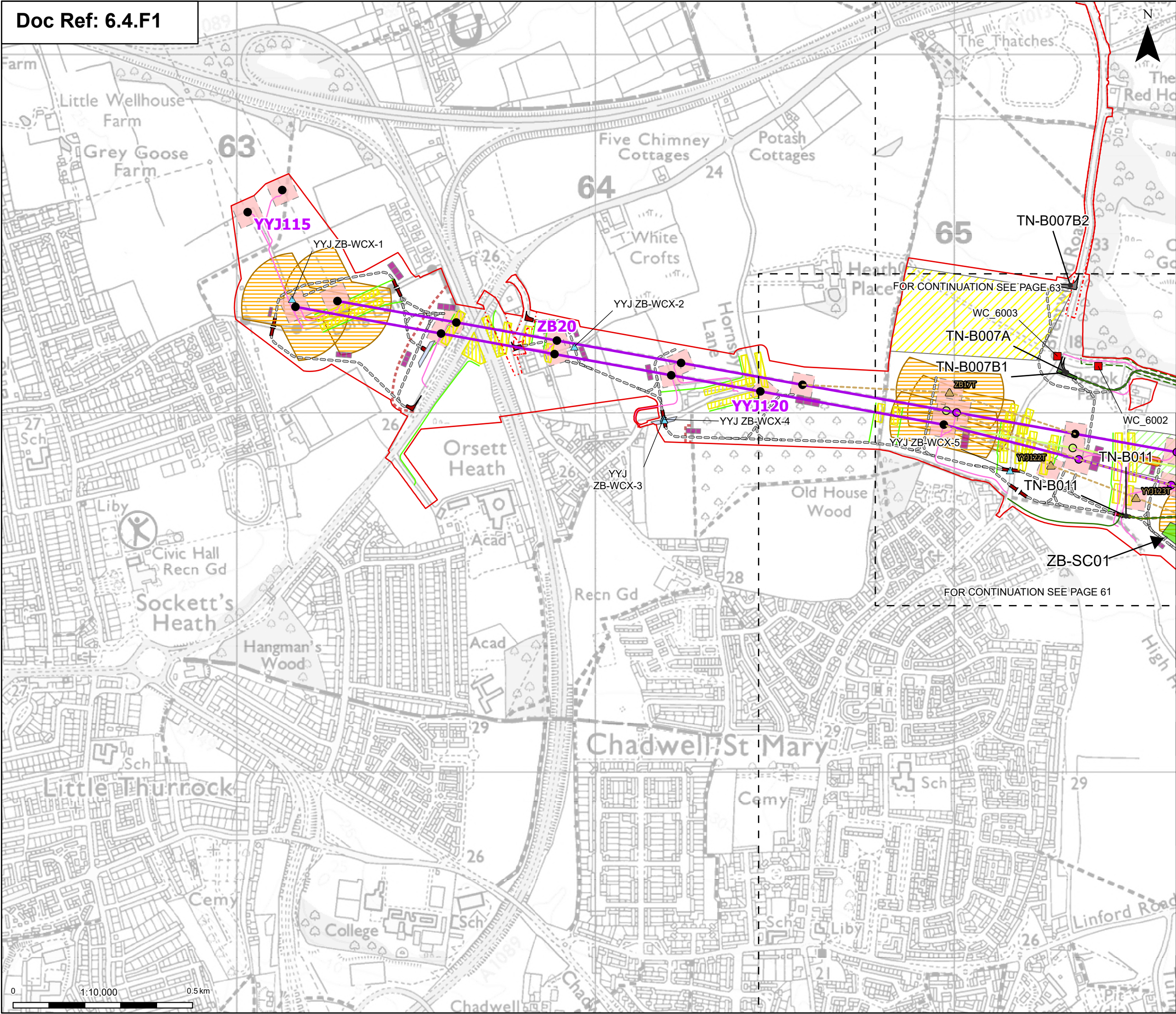
Designed	A. Fell	Date	21 Aug 25
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- Order Limits

Tilbury North highways Order

Limits

Sheet index cutline

Existing pylon (modify)

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed permanent access (no physical works)

Proposed comms connection

Proposed Substation / Cable Sealing End (CSE) compound permanent access routes

Proposed cable permanent access (no physical works)

Proposed permanent spoil bund hatch

Proposed dismantle overhead line pylon positions

Proposed dismantle overhead line alignment

Proposed Environmental Areas - Permanent

Proposed Environmental Mitigation Areas - Permanent

Proposed permanent site access points

Proposed underground cable/CSE compound/substation/outfall watercourse crossing - permanent

Proposed temporary design details

Proposed Cable Sealing End (CSE) compound/substation construction compound

Proposed overhead line construction SuDS basin

Proposed site access point

Proposed temporary haul road

Proposed overhead line crossing protection access route

Proposed overhead line crossing protection work area

Proposed pylon construction work area

Proposed overhead line pulling location

Proposed temporary pylons

Proposed temporary centreline

Proposed bellmouth stacking

Proposed PRoW diversions

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| 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 4.1 - Project Description - Proposed Project Design

Section H

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