AENC-ARC-ENV-REP-0175

Norwich to Tilbury

Volume 6: Environmental Statement

Document: 6.11.F5 Environmental Statement Figure 11.5 - Historic Environment and LVIA Viewpoint Locations

Final Issue A

August 2025

Planning Inspectorate Reference: EN020027

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

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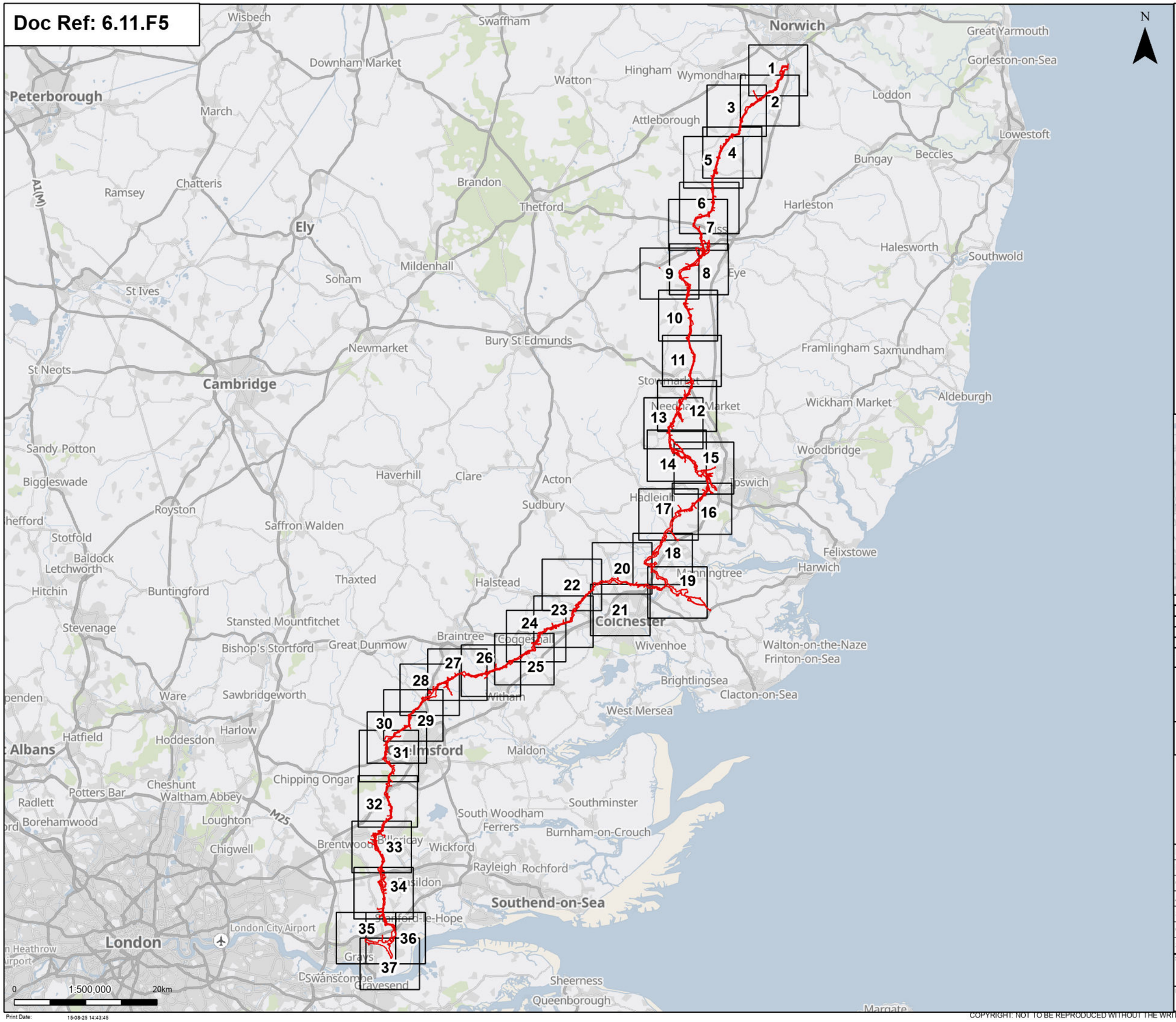

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations Overview

Designed	L. Bishop	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:	1:500,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EHR-ZZ-DR-ZZ-00436

Revision: A

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Norwich Main Substation Extension (Future Baseline)

Norwich Main Substation

1.01

1.02

1.03

1.16

RG1

RG5

RG10

RG15

HE9

FOR CONTINUATION SEE SHEET 2

FOR CONTINUATION SEE SHEET 3

0 1:25,000 1km

Print Date: 15-08-25 14:43:51

N

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Sheet index cutline

Proposed project design details
Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Norwich Main Substation
Norwich Main Substation Extension (future baseline)
Environmental area
Other temporary and permanent construction and operational works

Discipline specific constraints
Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
Historic Environment Viewpoints

Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50

Buildings
Woodland
Conservation areas
Listed building
Grade I
Grade II
Grade II*
Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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RG10
RG15
RG20
RG25
RG30
HE9
HE1
HE21
1.03
1.04
1.05
1.06
1.17
FOR CONTINUATION SEE SHEET 1
FOR CONTINUATION SEE SHEET 3
0 1:25,000 1km

Order limits
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Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
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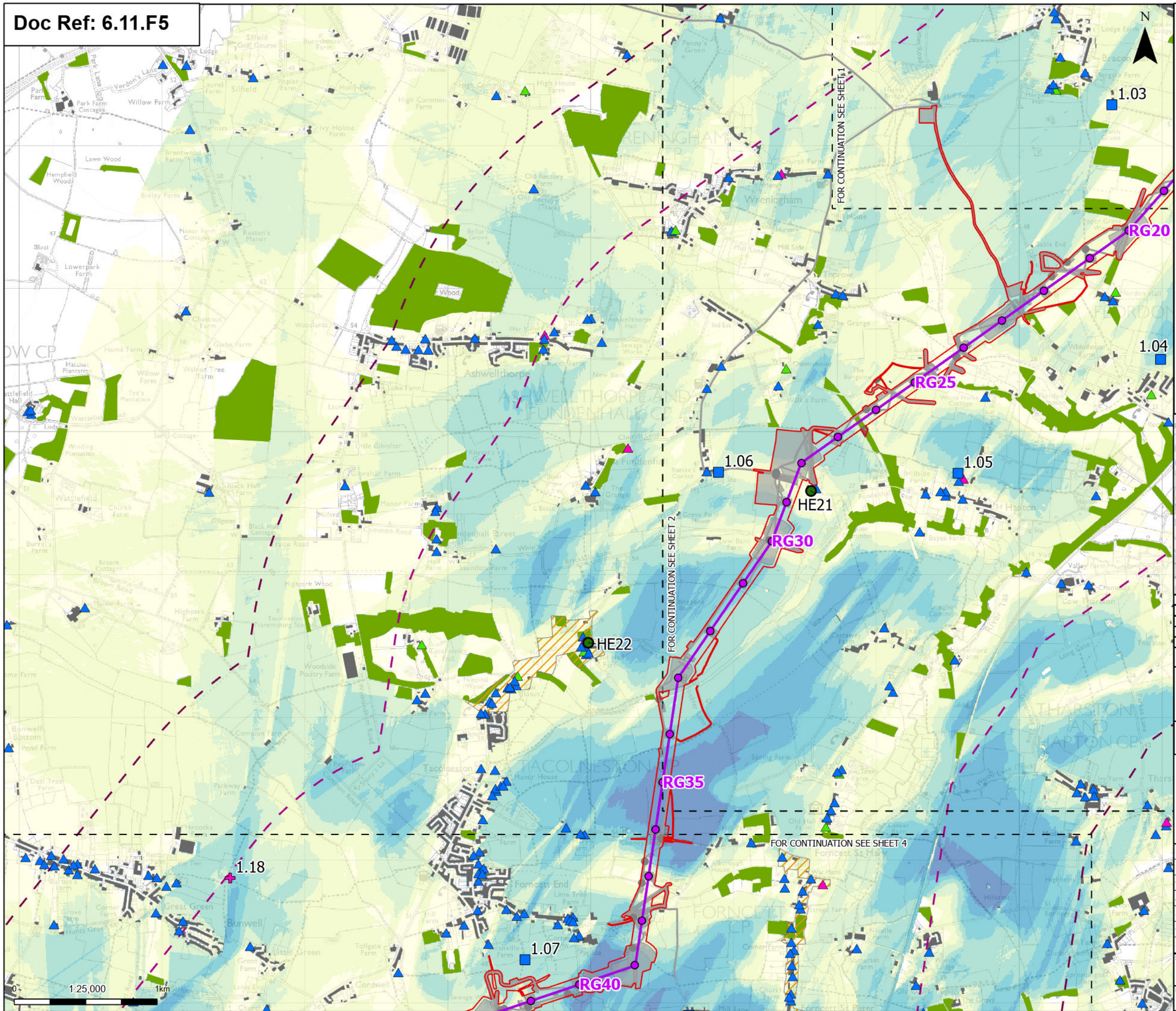

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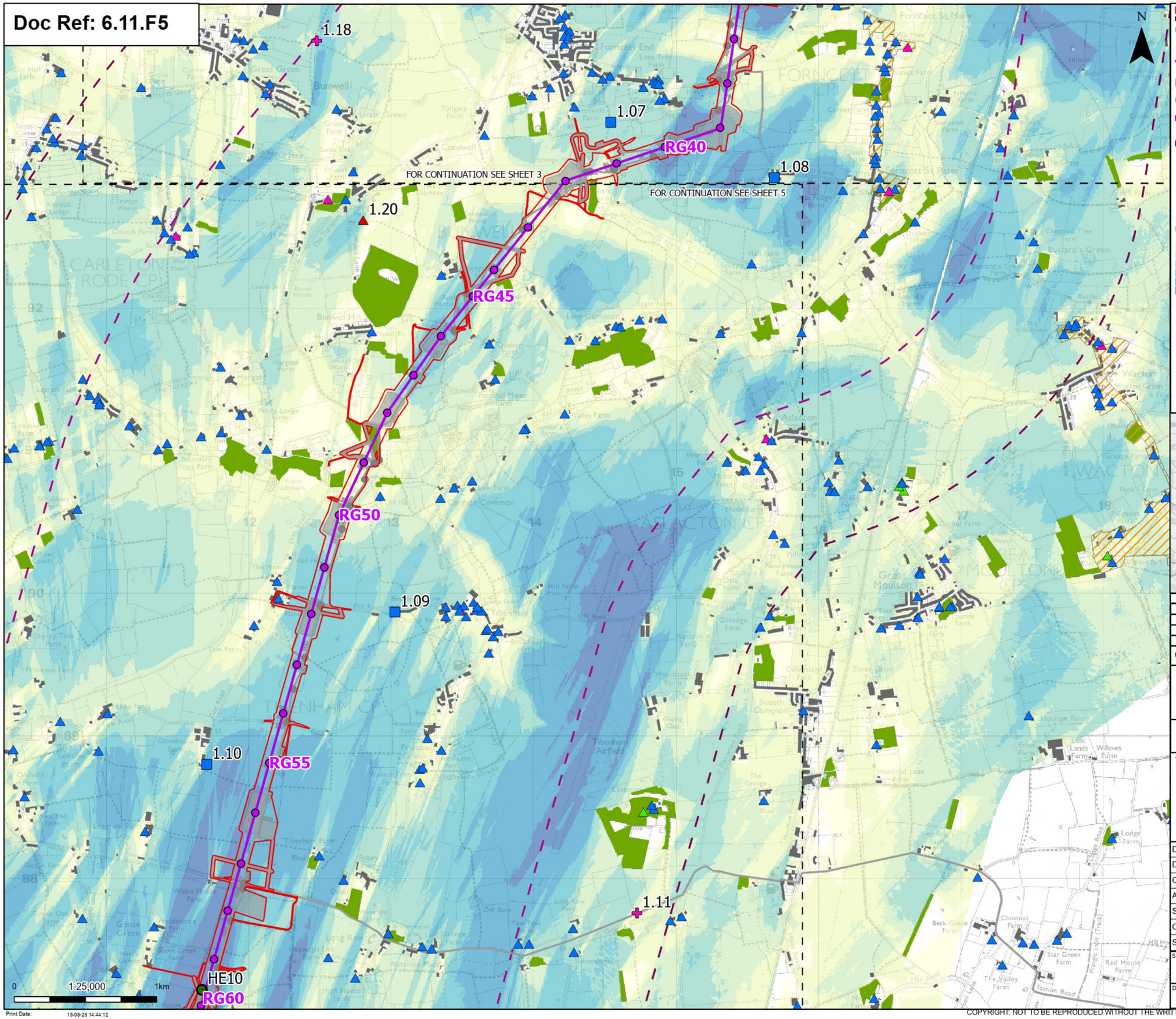

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Proposed overhead line alignment
Other temporary and permanent construction and operational works

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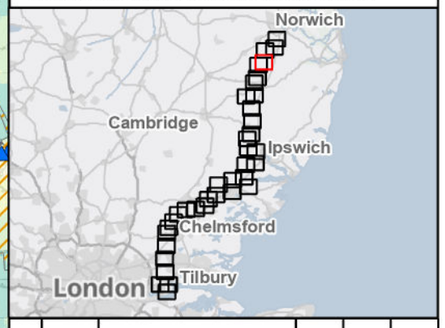

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Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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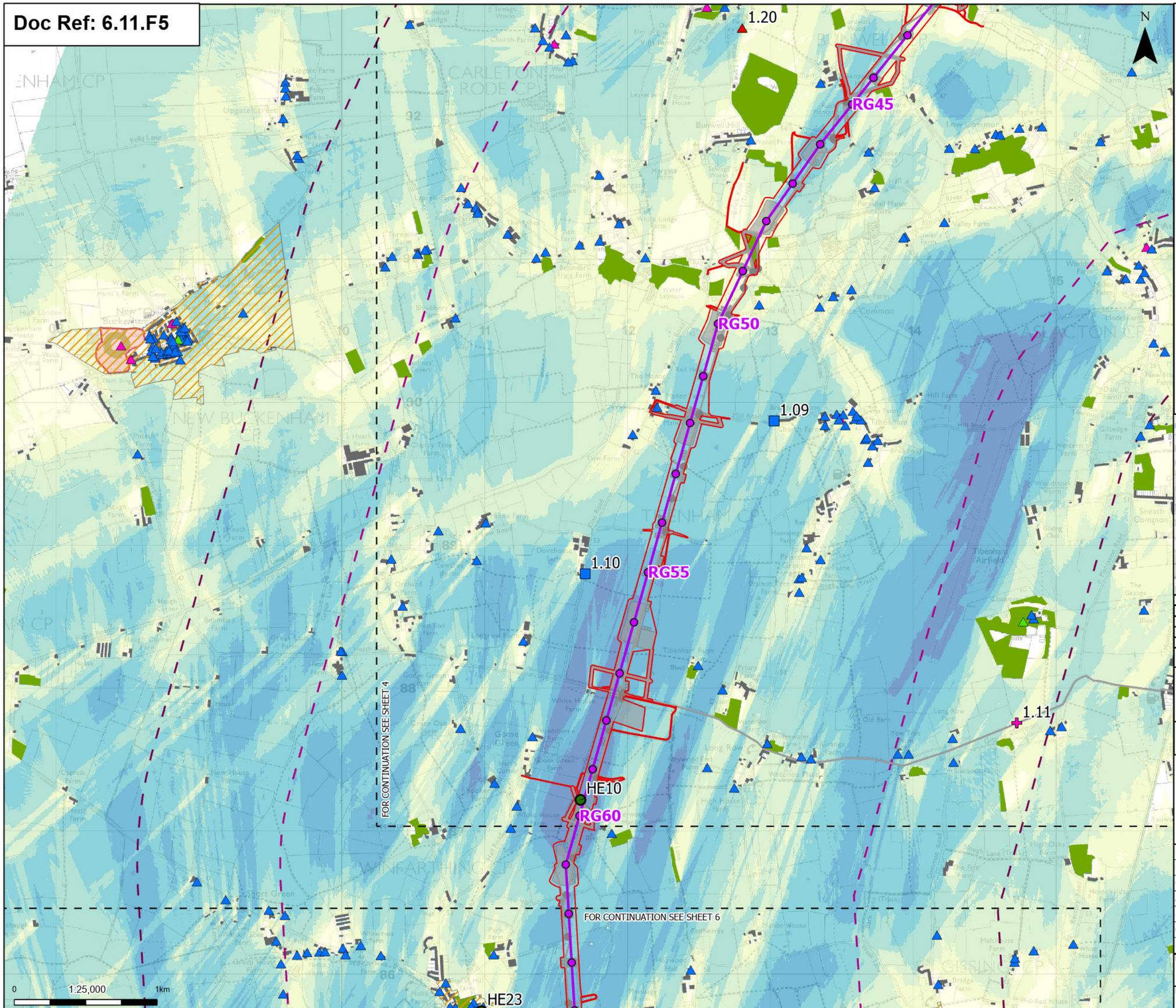

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Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment
Other temporary and permanent construction and operational works

Discipline specific constraints
Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
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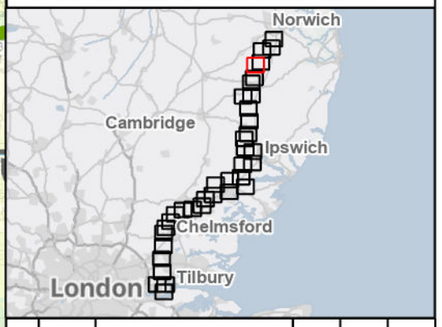

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PROJECT: Norwich to Tilbury

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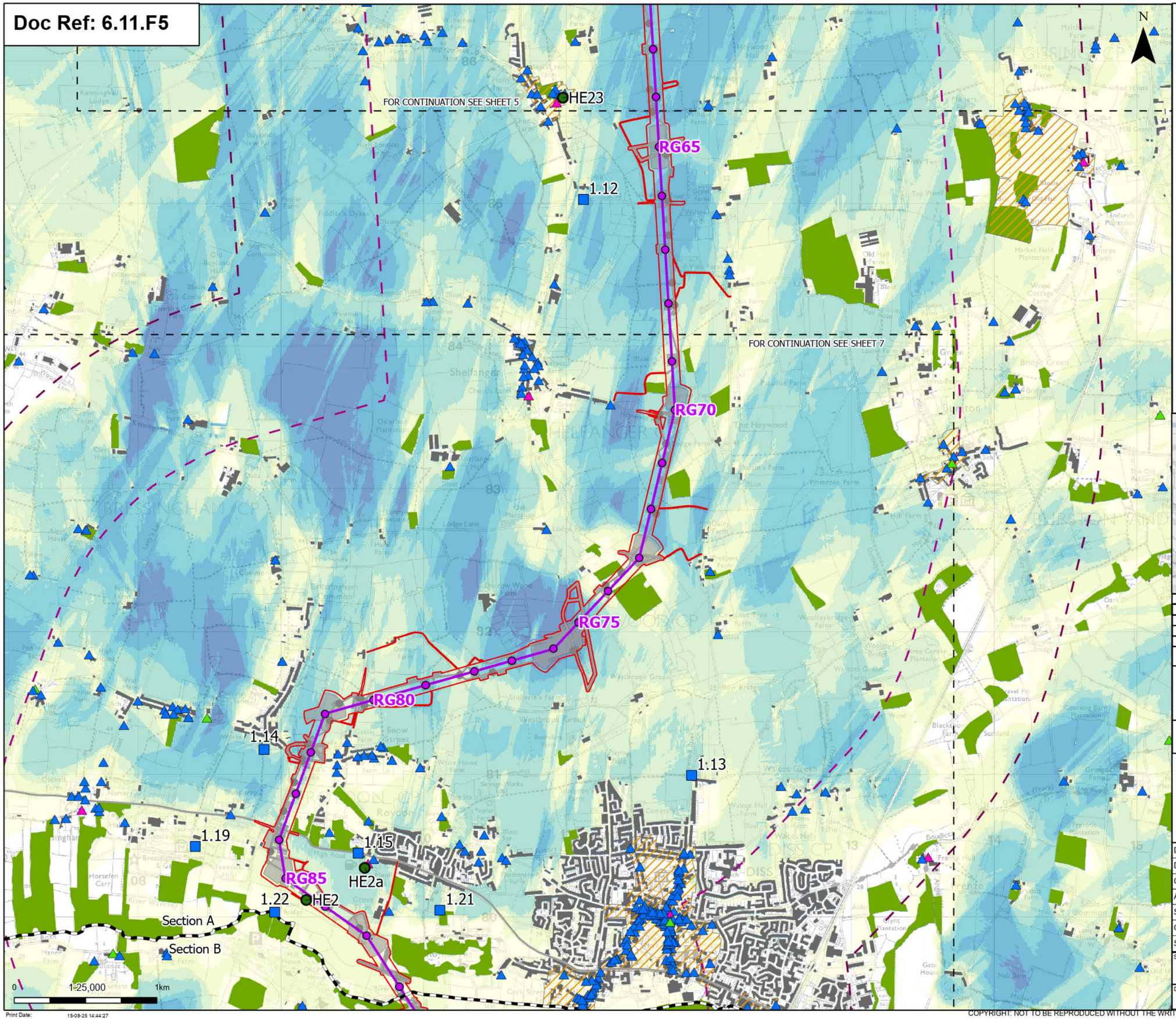

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Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Photomontage)
Historic Environment Viewpoints

Number of pylons theoretically visible
1 - 10
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51 - 60
61 - 70

Buildings
Woodland
Conservation areas

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Grade I
Grade II
Grade II*

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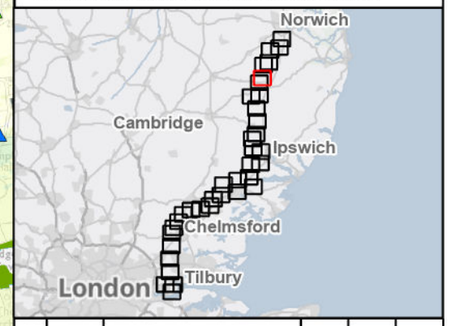

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PROJECT: Norwich to Tilbury

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Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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RG70
RG75
RG80
RG85
RG90
RG95
1.13
1.14
1.15
1.19
1.21
1.22
HE2a
HE2
2.01
2.03
2.22
2.31
2.32
Section A
Section B
FOR CONTINUATION SEE SHEET 6
FOR CONTINUATION SEE SHEET 8
FOR CONTINUATION SEE SHEET 9
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1:25,000
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Project section line

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
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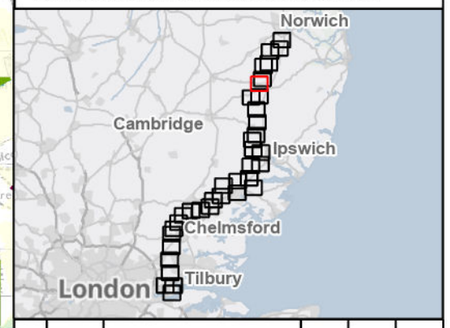

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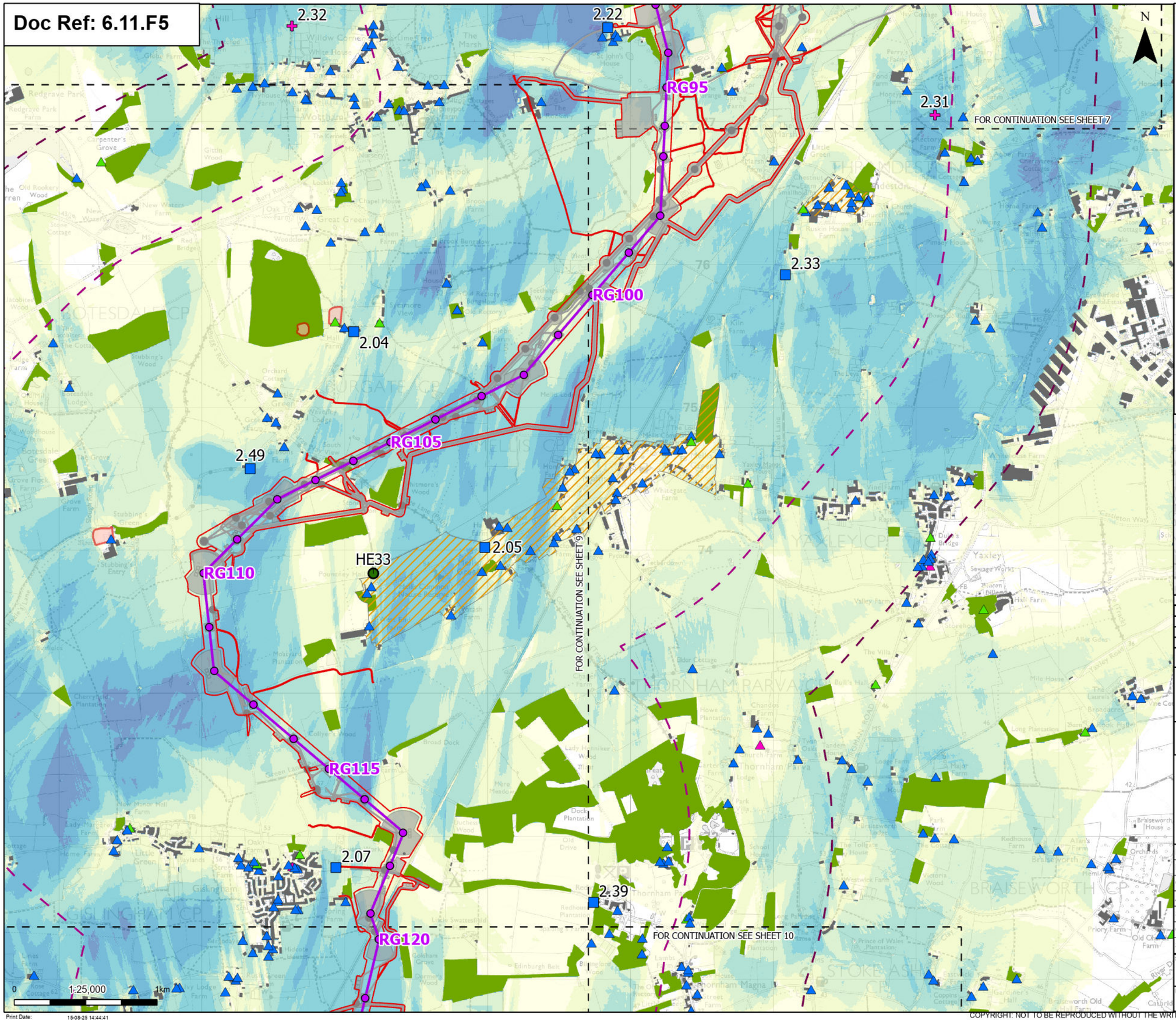

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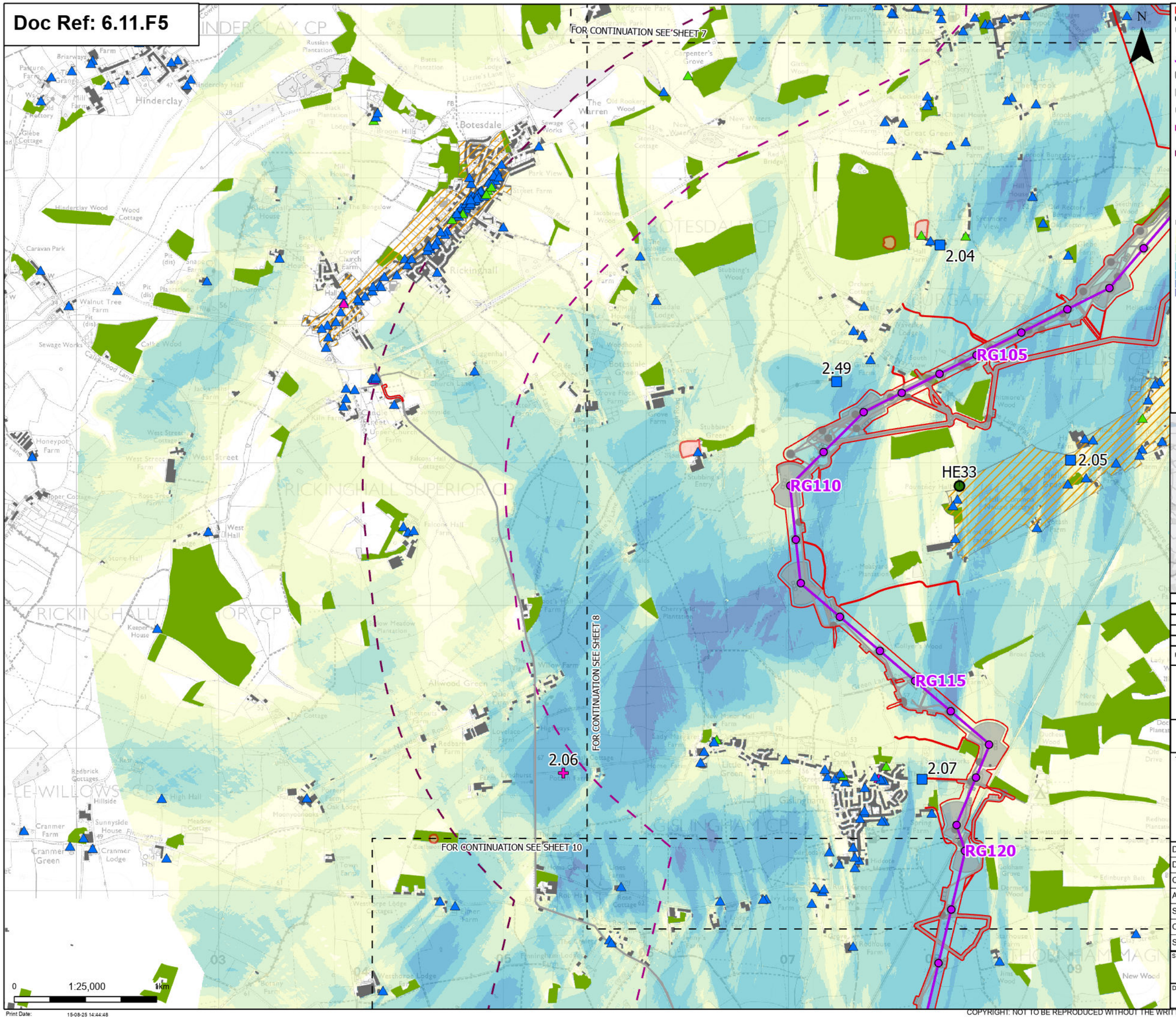

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Designed	L. Bishop	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EHR-ZZ-DR-ZZ-00436
Revision: A

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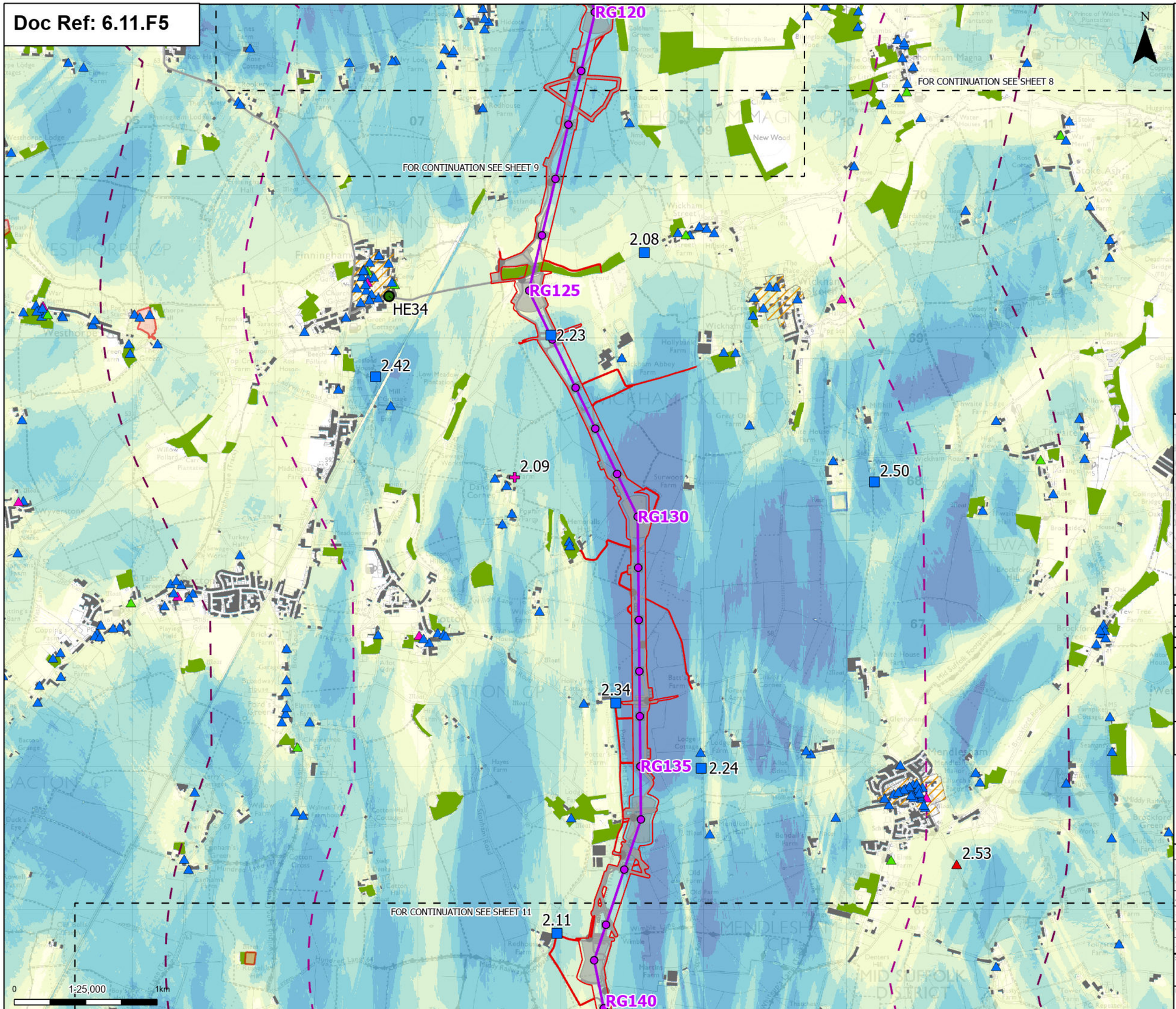

Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas
Listed building
Grade I
Grade II
Grade II*
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Revision: A

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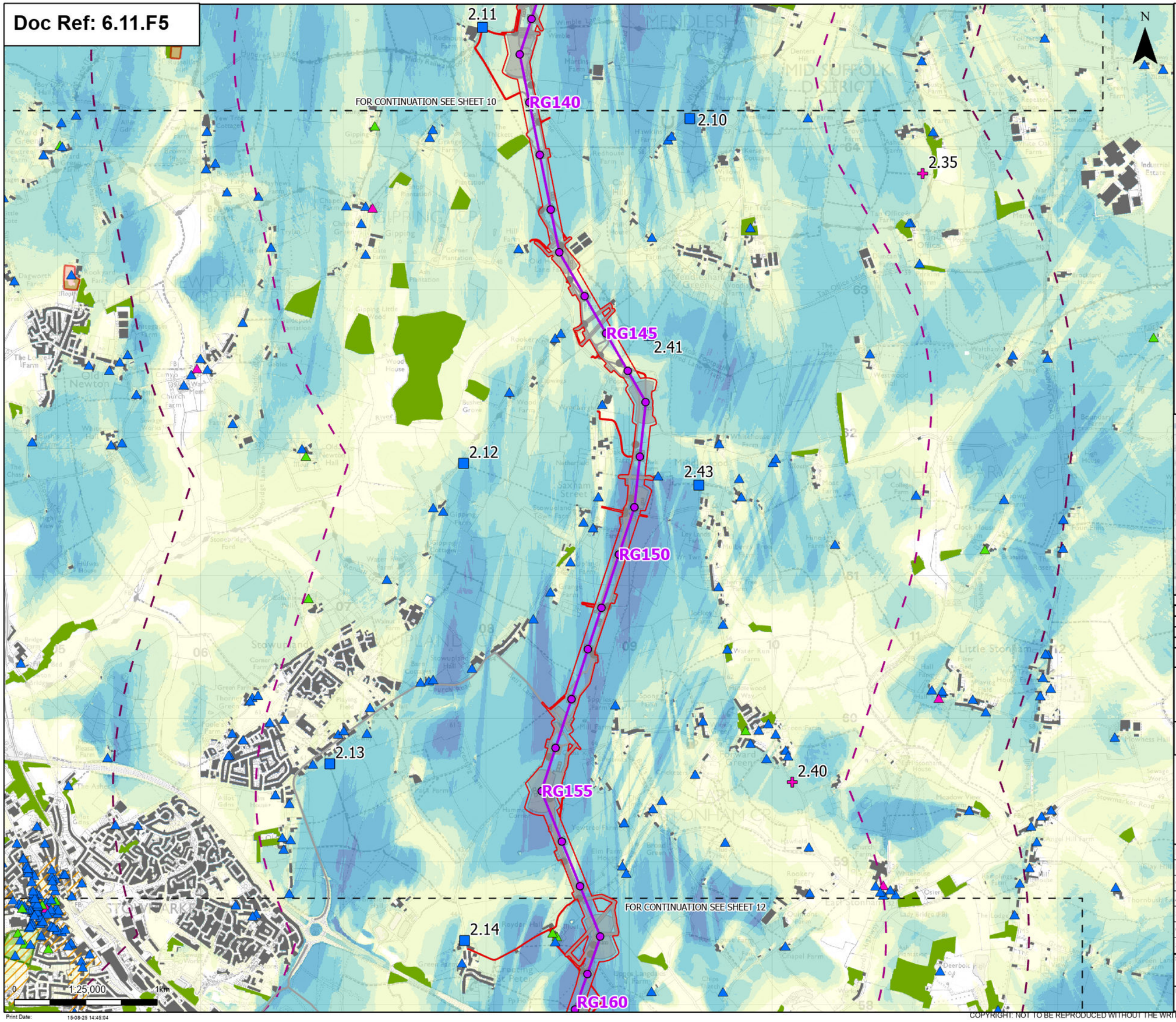


Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Other temporary and permanent construction and operational works

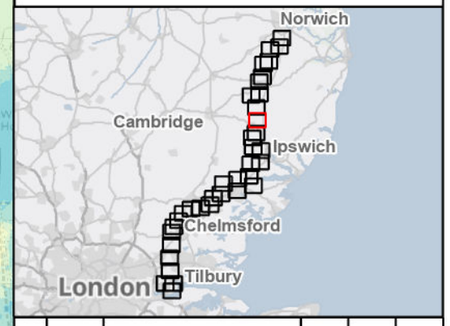
Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)

Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas
Listed building
Grade I
Grade II
Grade II*
Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.



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

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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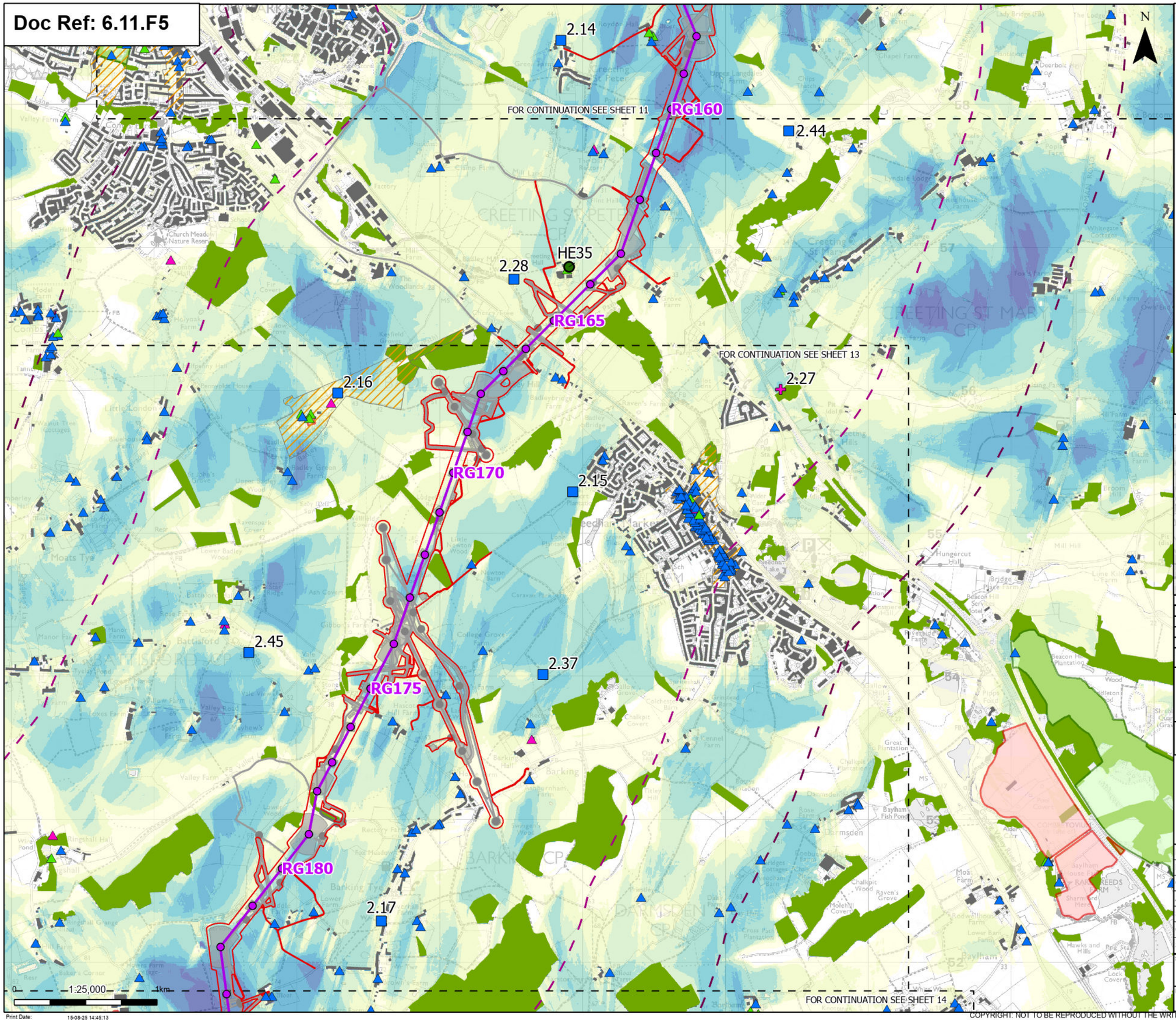
Drawing Number: 10059280-ARC-EHR-ZZ-DR-ZZ-00436

Revision: A

Doc Ref: 6.11.F5



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Number of pylons theoretically visible

1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 86

Buildings
Woodland
Conservation areas

Listed building

Grade I
Grade II
Grade II*

Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT: Norwich to Tilbury

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

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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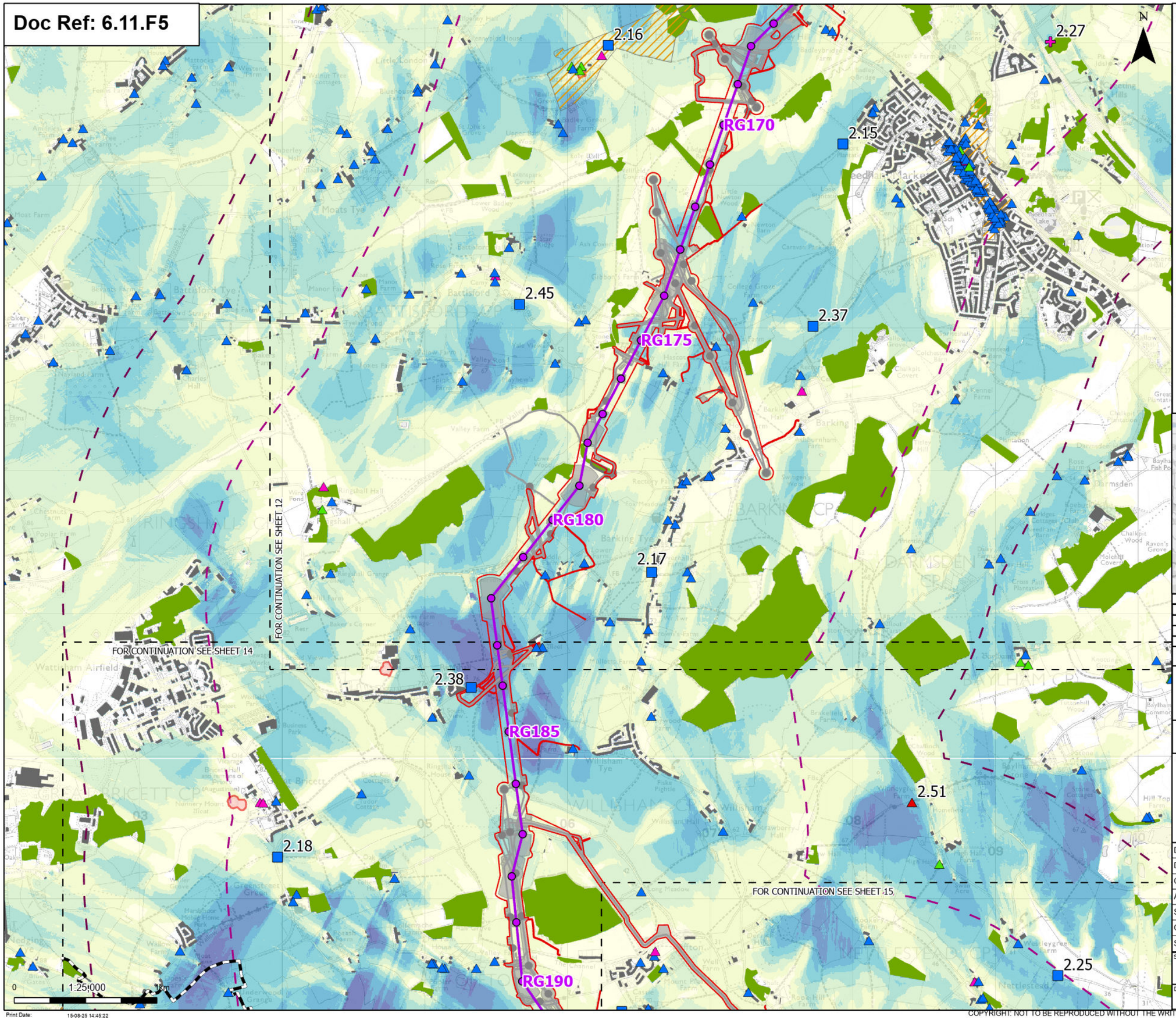

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)

Number of pylons theoretically visible

1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 86

Buildings
Woodland
Conservation areas

Listed building

Grade I
Grade II
Grade II*
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT: Norwich to Tilbury

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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Suitability Code:	A2	Project Number:	10059280

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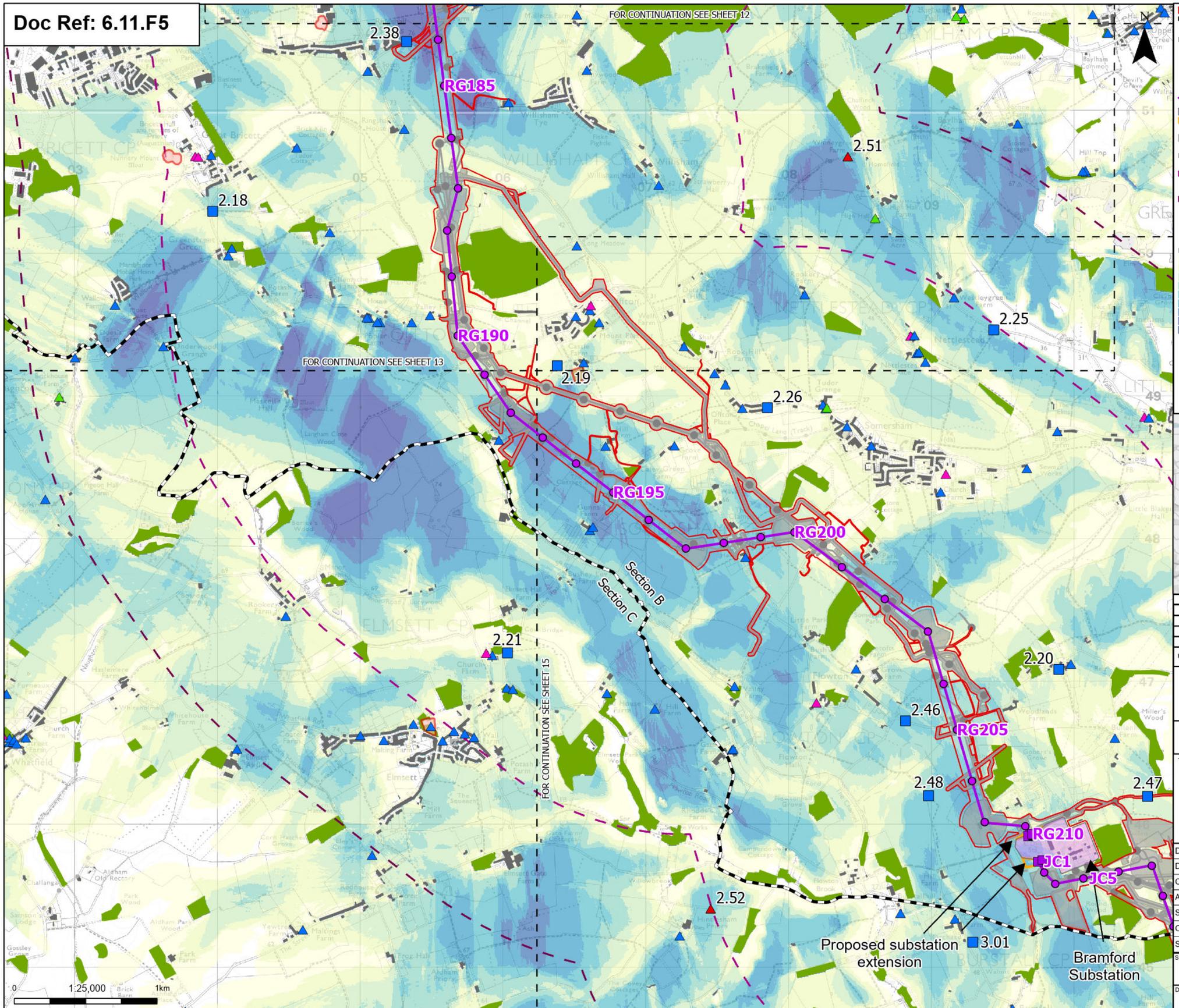

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed full line tension gantry
Proposed low duty gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Bramford Substation
Bramford Substation Extension
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)

Number of pylons theoretically visible

1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 86

Buildings
Woodland
Conservation areas

Listed building

Grade I
Grade II
Grade II*

Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	Date	21 Aug 25
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Suitability Description:
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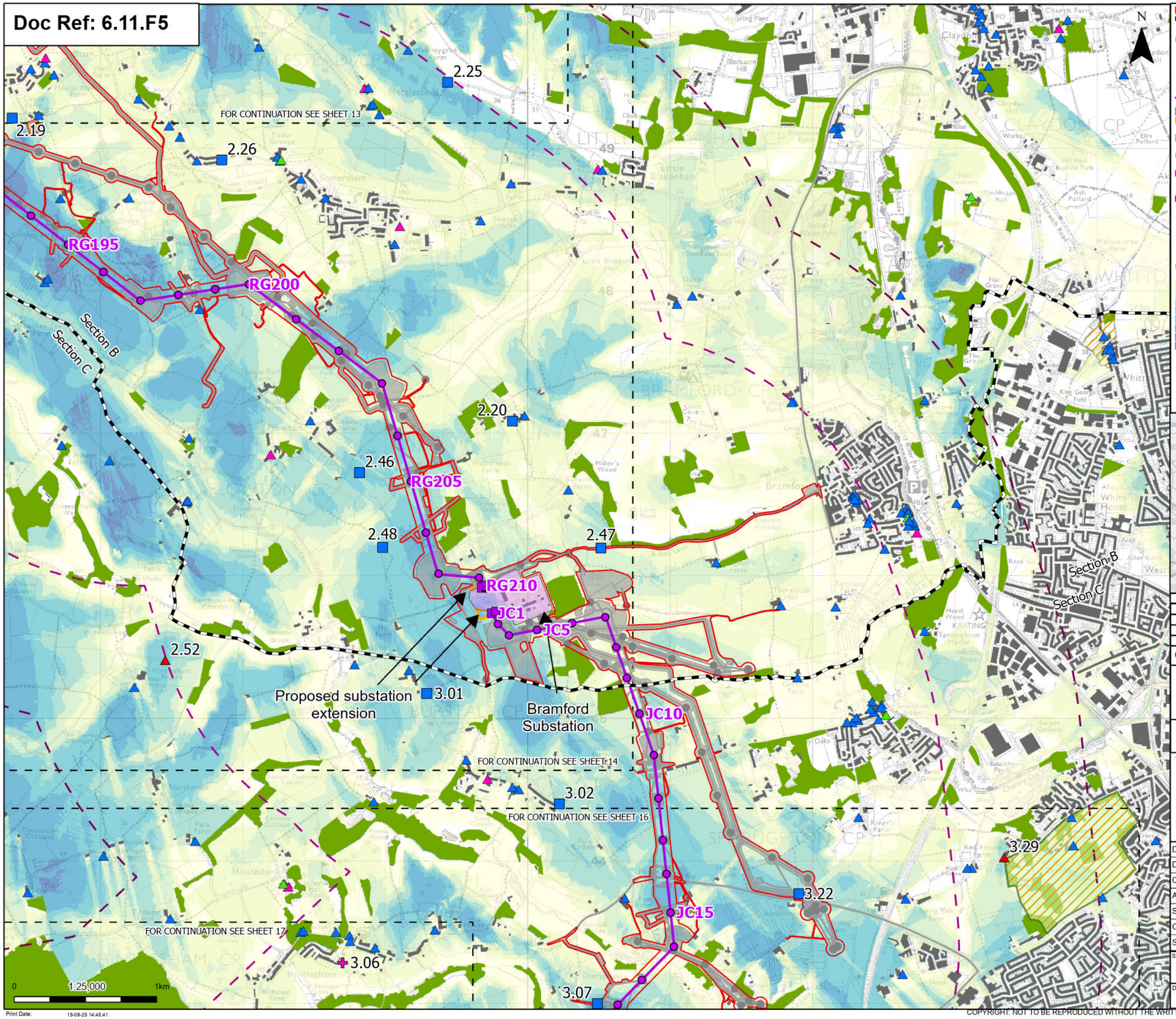

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed full line tension gantry
Proposed low duty gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Bramford Substation
Bramford Substation Extension
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)

Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 86

Buildings
Woodland
Conservation areas
Listed building
Grade I
Grade II
Grade II*
Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

Rev	Date	Description	Drawn	Check	Approv
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PROJECT: Norwich to Tilbury

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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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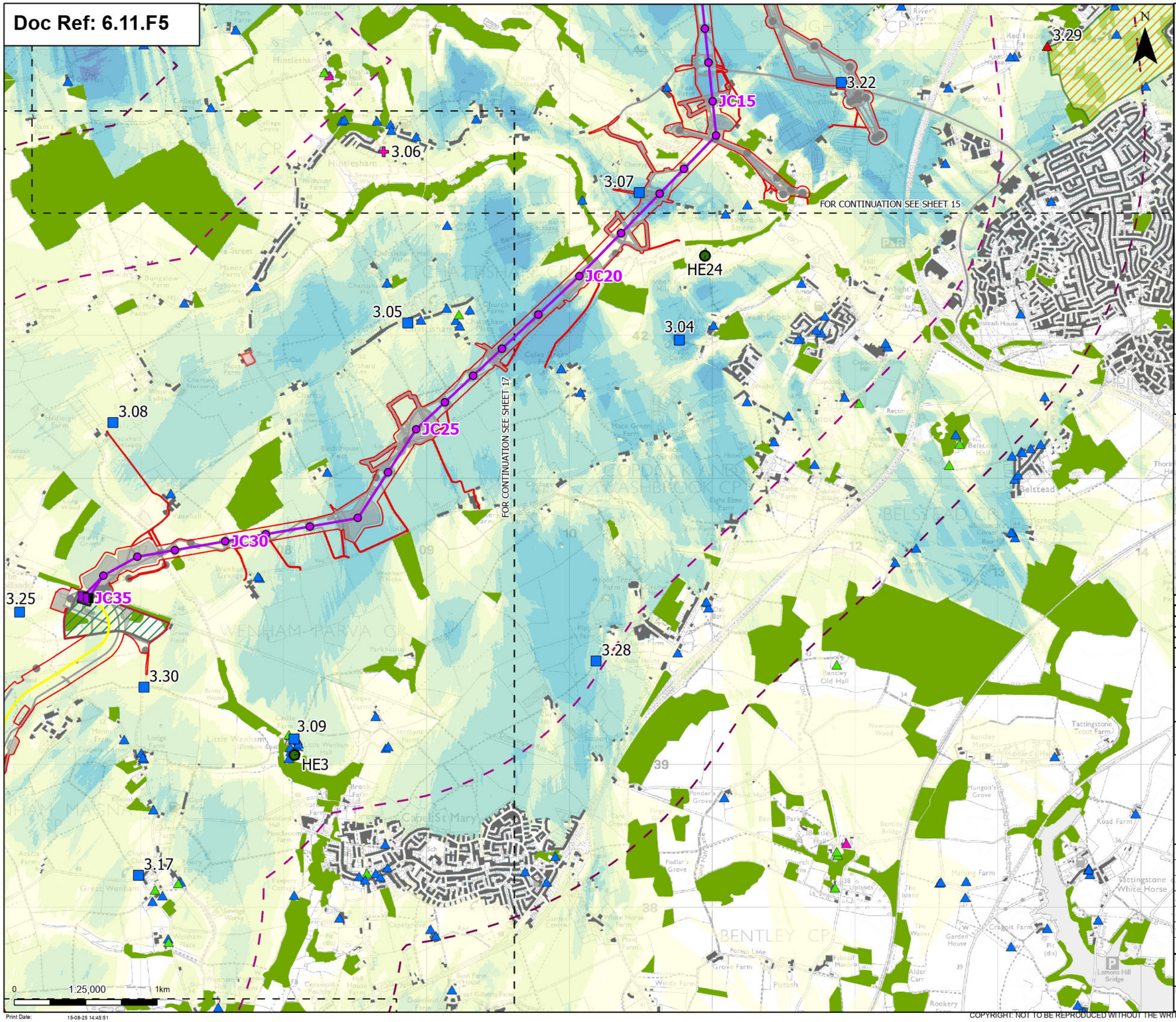

Order limits
Sheet index cutline

Proposed project design details

Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end compound (CSEC)
Environmental area
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Discipline specific constraints

National Landscape (an Area or Outstanding Natural Beauty)

Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas

Listed building
Grade I
Grade II
Grade II*

Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

Rev	Date	Description	Drawn	Check	Approv
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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	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-EHR-ZZ-DR-ZZ-00436

Revision: A

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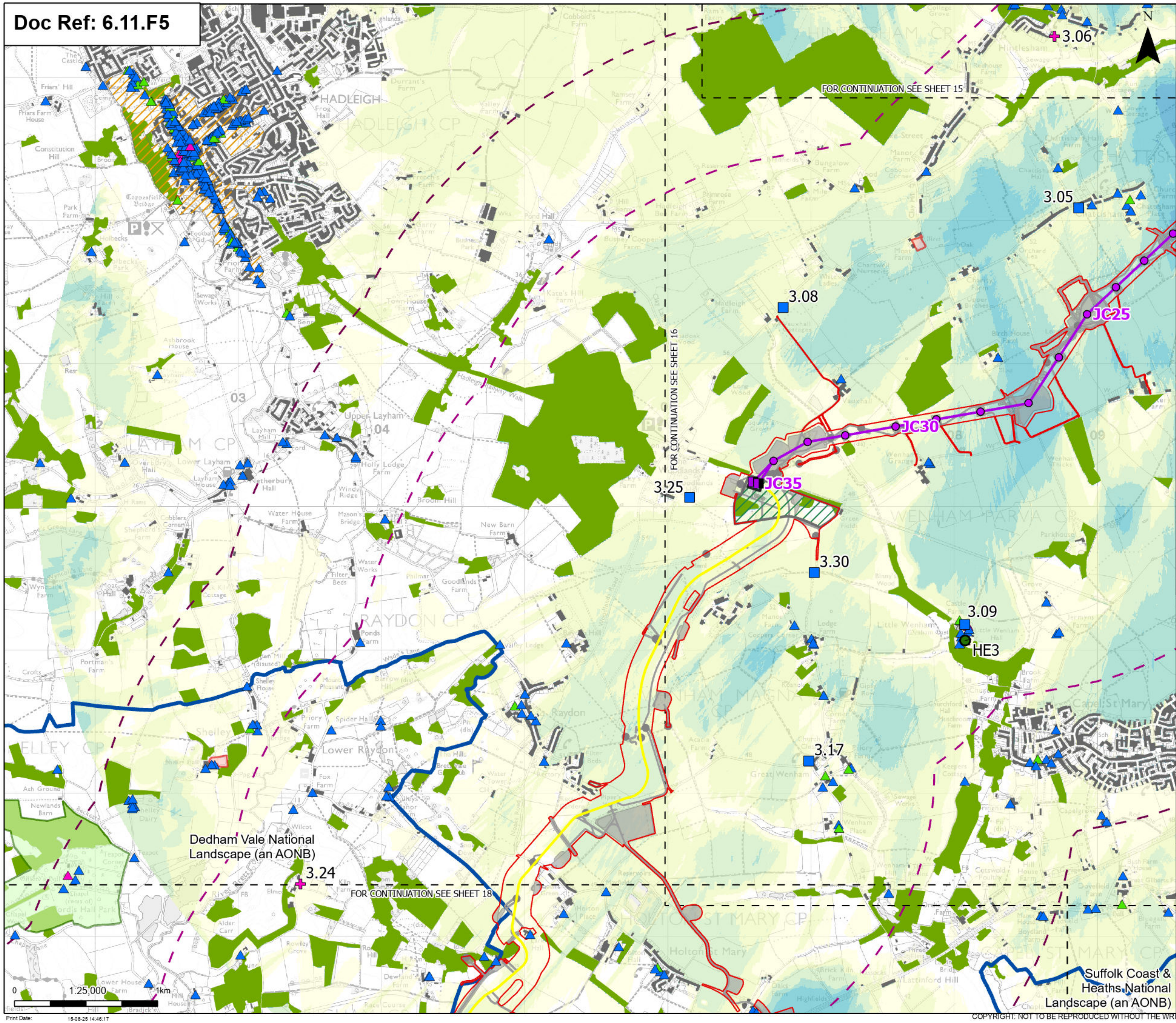

Order limits
Sheet index cutline
Proposed project design details
Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end compound (CSEC)
Environmental area
Environmental mitigation
Other temporary and permanent construction and operational works
Discipline specific constraints
Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints
Discipline specific constraints
National Landscape (an Area of Outstanding Natural Beauty)
Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas
Listed building
Grade I
Grade II
Grade II*
Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT:
Norwich to Tilbury

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

Title:
Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations

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FOR CONTINUATION SEE SHEET 17

FOR CONTINUATION SEE SHEET 20

FOR CONTINUATION SEE SHEET 19

Trenchless Crossing: Higham Road

Trenchless Crossing: River Stour (north part)

Trenchless Crossing: River Stour (south part)

Trenchless Crossing: A12 highway crossing

Dedham Vale National Landscape (an AONB)

Suffolk Coast & Heaths National Landscape (an AONB)

3.20

3.26

3.15

3.19

3.31

4.16

4.01

Section C

Section D

0 1:25,000 1km

Print Date: 15-08-25 14:47:01

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed underground cable alignment
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)

Discipline specific constraints

National Landscape (an Area of Outstanding Natural Beauty)
Stour Valley project area

Number of pylons theoretically visible

1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas

Listed building

Grade I
Grade II
Grade II*

Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT: Norwich to Tilbury

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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Revision: A

Doc Ref: 6.11.F5

Trenchless Crossing:
A12 highway crossing

Trenchless Crossing:
Railway crossing (east of Ardleigh)

Proposed EACN Substation

Dedham Vale National Landscape (an AONB)

Suffolk Coast & Heaths National Landscape (an AONB)

3.11 3.12 3.13 3.14 3.15 3.19 3.21 3.23 3.31

TB1 TB5 TB10 TB15 TB20

HE25

FOR CONTINUATION SEE SHEET 18

FOR CONTINUATION SEE SHEET 20

FOR CONTINUATION SEE SHEET 21

0 1:25,000 1km

Print Date: 15-08-25 14:47:27

Order limits
Sheet index cutline
Project section line

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

Discipline specific constraints
- Overhead line and underground cable alignment - 2 km Study Area
- Overhead line and underground cable alignment - 3 km Study Area
- ES Landscape and Visual Viewpoint (Photomontage)
- Historic Environment Viewpoints

Discipline specific constraints
- National Landscape (an Area of Outstanding Natural Beauty)
- Stour Valley project area

Number of pylons theoretically visible
- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 50

Buildings
Woodland
Conservation areas

Listed building
- Grade I
- Grade II
- Grade II*
- Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
Page 19 of 37

Designed	L. Bishop	Date	21 Aug 25
Drawn	K. Fischer	Date	21 Aug 25
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Drawing Number: 10059280-ARC-EHR-ZZ-DR-ZZ-00436

Revision: A

Doc Ref: 6.11.F5

Dedham Vale National Landscape (an AONB)

FOR CONTINUATION SEE SHEET 18

FOR CONTINUATION SEE SHEET 22

FOR CONTINUATION SEE SHEET 21

Section C

Section D

TB35 TB30 TB25 TB20

3.27 4.36 4.16 4.01 4.03 4.02 4.19 4.34 4.27 4.18 4.17 4.07 3.23

HE4

1:25,000 1km

Print Date: 15-08-25 14:48:07

N

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end compound (CSEC)
Environmental area
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Discipline specific constraints

National Landscape (an Area of Outstanding Natural Beauty)
Stour Valley project area

Number of pylons theoretically visible

1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60

Buildings
Woodland
Conservation areas

Listed building

Grade I
Grade II
Grade II*

Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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Revision: A

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TB40
HE4
4.05
4.38
4.18
4.17
TB25
TB20
3.23
FOR CONTINUATION SEE SHEET 20
FOR CONTINUATION SEE SHEET 19
FOR CONTINUATION SEE SHEET 22
FOR CONTINUATION SEE SHEET 23
0 1:25,000 1km

Order limits
Sheet index cutline
Project section line

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints
- Overhead line and underground cable alignment - 2 km Study Area
- Overhead line and underground cable alignment - 3 km Study Area
- ES Landscape and Visual Viewpoint (Photomontage)
- ES Landscape and Visual Viewpoint (Wireline only)
- Historic Environment Viewpoints

Number of pylons theoretically visible
- 1 - 10
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- 31 - 40
- 41 - 50
- 51 - 60
- 61 - 70

Buildings
Woodland
Conservation areas
Listed building
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- Grade II*

Registered parks and gardens
Scheduled monuments

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PROJECT: Norwich to Tilbury

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Title:
Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Dedham Vale National Landscape (an AONB)

FOR CONTINUATION SEE SHEET 20

FOR CONTINUATION SEE SHEET 21

FOR CONTINUATION SEE SHEET 23

4.04 4.05 4.07 4.08 4.13 4.14 4.24 4.25 4.27 4.28 4.30 4.34 4.35 4.38

TB35 TB40 TB45 TB50

HE4 HE26

0 1:25,000 1km

Print Date: 15-08-25 14:48:42

Order limits
Sheet index cutline

Proposed project design details
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints
- Overhead line and underground cable alignment - 2 km Study Area
- Overhead line and underground cable alignment - 3 km Study Area
- ES Landscape and Visual Viewpoint (Baseline photo only)
- ES Landscape and Visual Viewpoint (Photomontage)
- ES Landscape and Visual Viewpoint (Wireline only)
- Historic Environment Viewpoints

Discipline specific constraints
- National Landscape (an Area of Outstanding Natural Beauty)
- Stour Valley project area

Number of pylons theoretically visible
1 - 10
11 - 20
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31 - 40
41 - 50
51 - 60

Buildings
Woodland
Conservation areas

Listed building
- Grade I
- Grade II
- Grade II*

Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT: Norwich to Tilbury

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Regulation 5(2)(a)

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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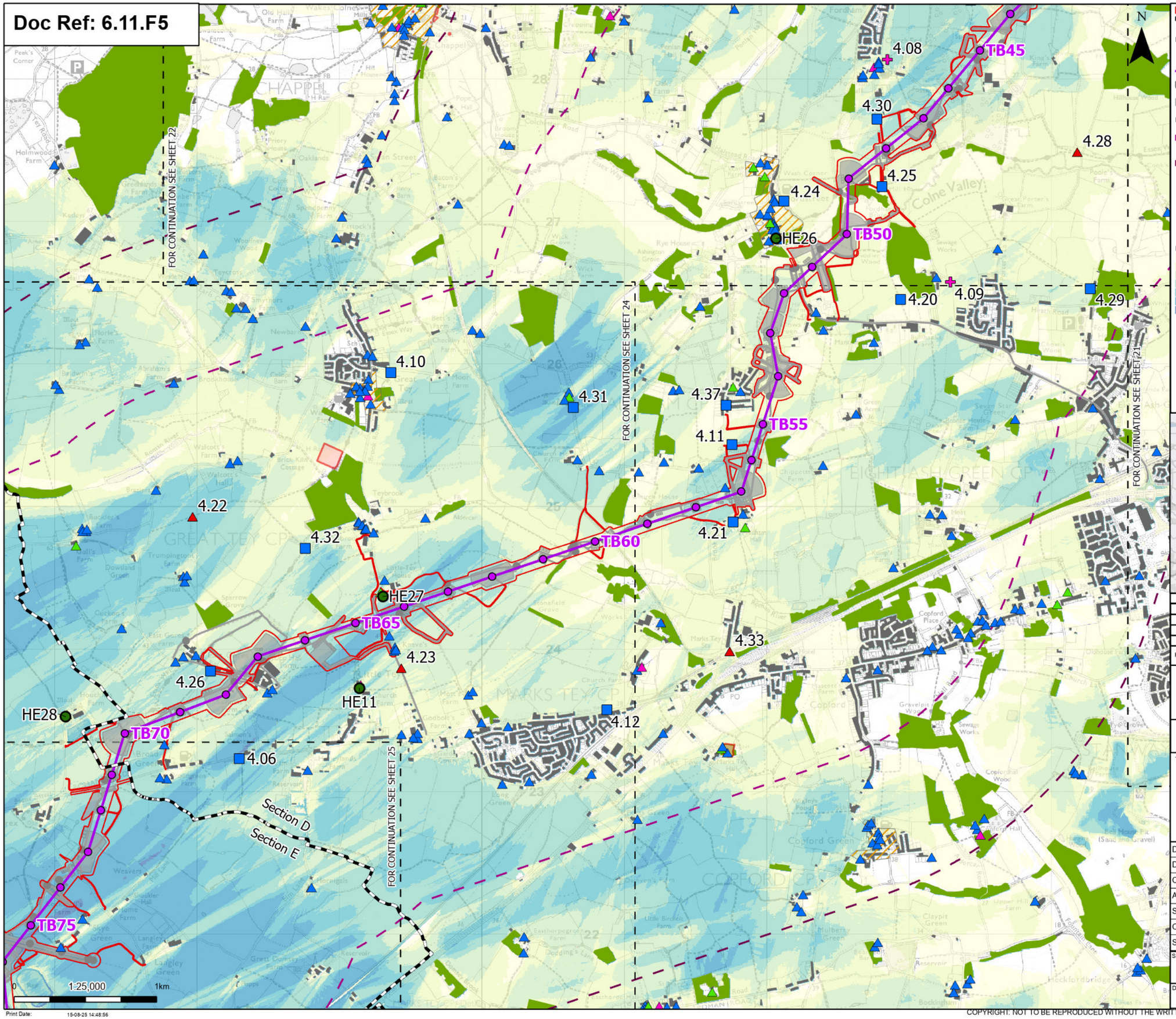
Revision: A

Doc Ref: 6.11.F5



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Number of pylons theoretically visible
1 - 10
11 - 20
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31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas

Listed building
Grade I
Grade II
Grade II*
Scheduled monuments

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Designed	L. Bishop	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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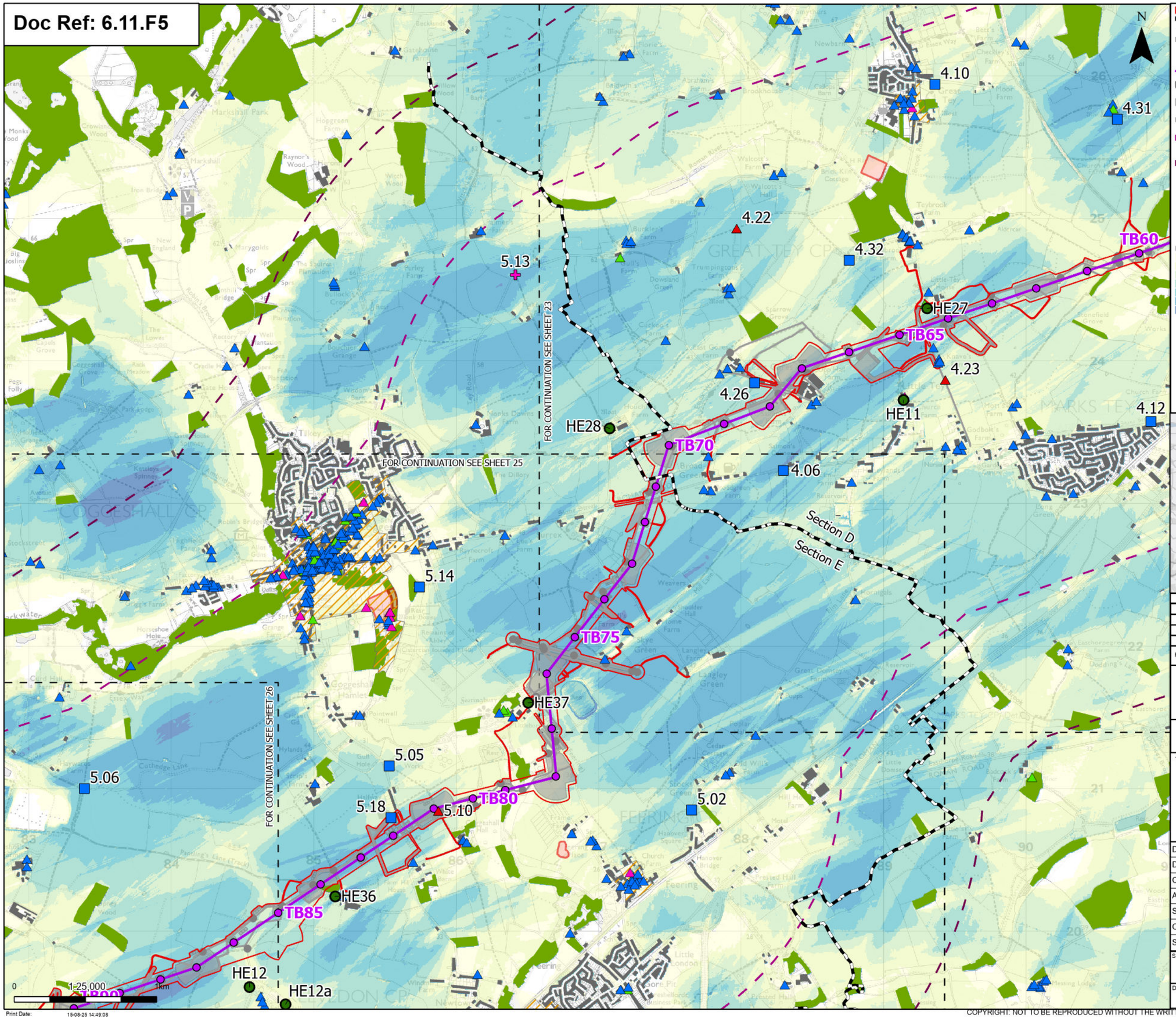


Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

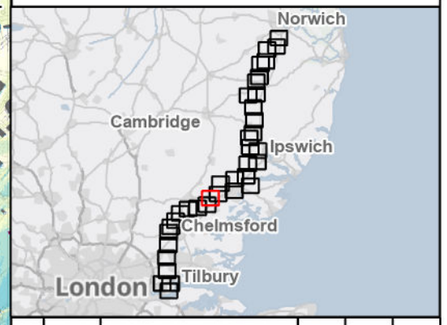
Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas

Listed building
Grade I
Grade II
Grade II*
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.



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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

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PROJECT:
Norwich to Tilbury

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

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number: 10059280-ARC-EHR-ZZ-DR-ZZ-00436
Revision: A

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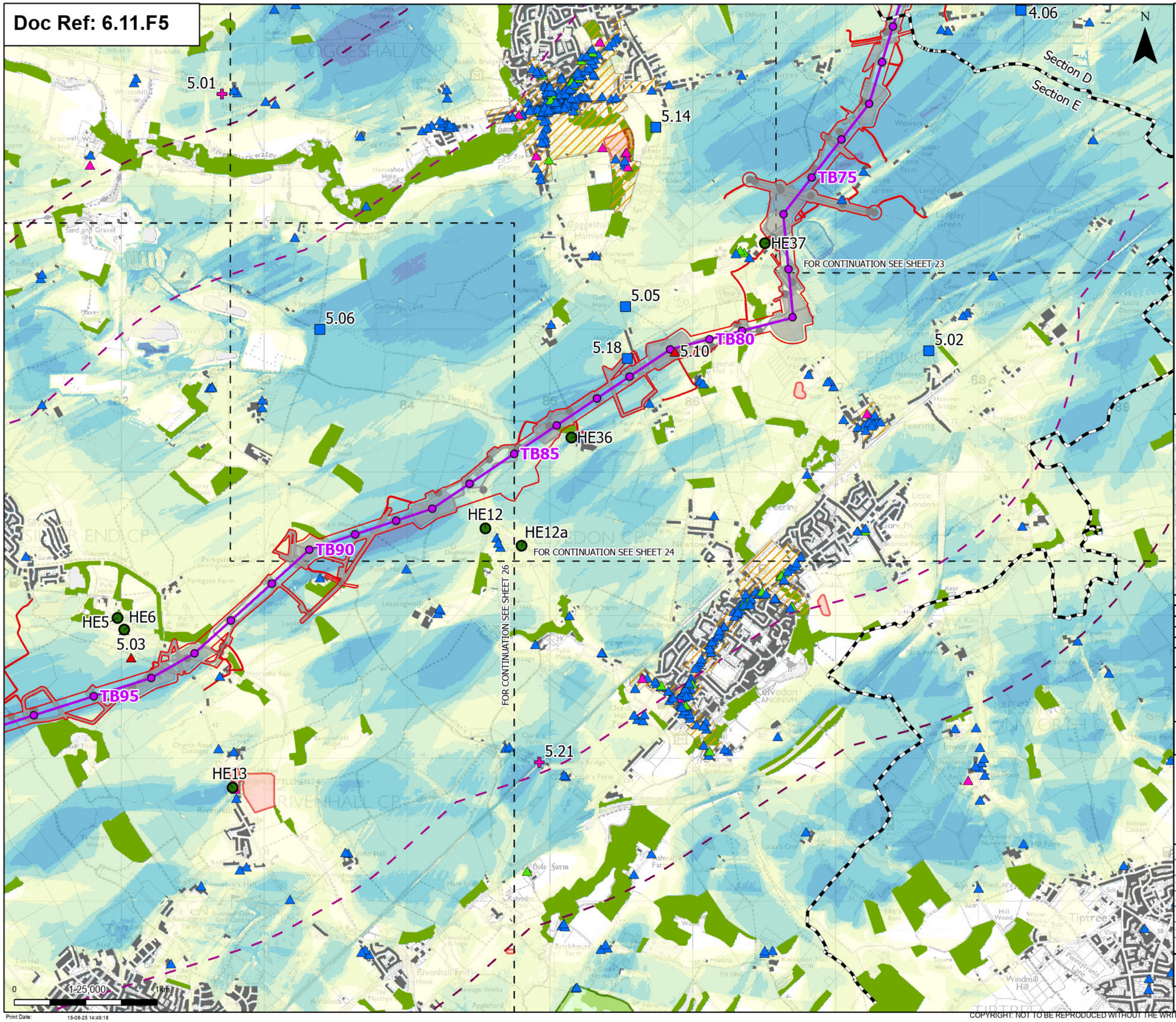

Order limits
Sheet index cutline
Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Overhead line and underground cable alignment - 2 km Study Area
- Overhead line and underground cable alignment - 3 km Study Area
- ES Landscape and Visual Viewpoint (Baseline photo only)
- ES Landscape and Visual Viewpoint (Photomontage)
- ES Landscape and Visual Viewpoint (Wireline only)
- Historic Environment Viewpoints

Number of pylons theoretically visible

- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- 51 - 60
- 61 - 70

Buildings
Woodland
Conservation areas

Listed building

- Grade I
- Grade II
- Grade II*

Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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PROJECT: Norwich to Tilbury

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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Suitability Code:	A2	Project Number:	10059280

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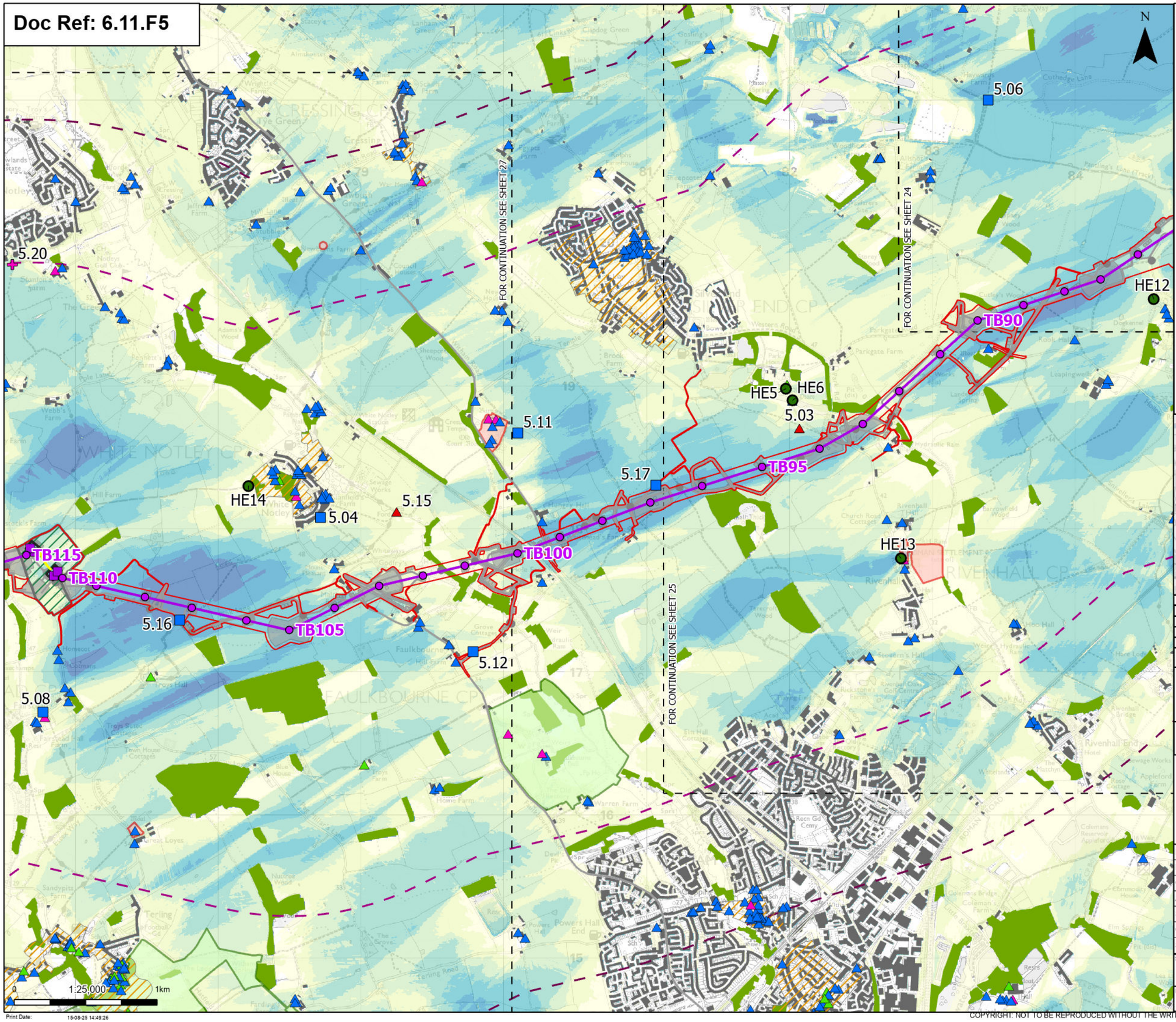

Order limits
Sheet index cutline

Proposed project design details

Proposed low duty gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end compound (CSEC)
Environmental area
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Baseline photo only)
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Number of pylons theoretically visible
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70

Buildings
Woodland
Conservation areas

Listed building
Grade I
Grade II
Grade II*

Registered parks and gardens
Scheduled monuments

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PROJECT: Norwich to Tilbury

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Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Suitability Code:	A2	Project Number:	10059280

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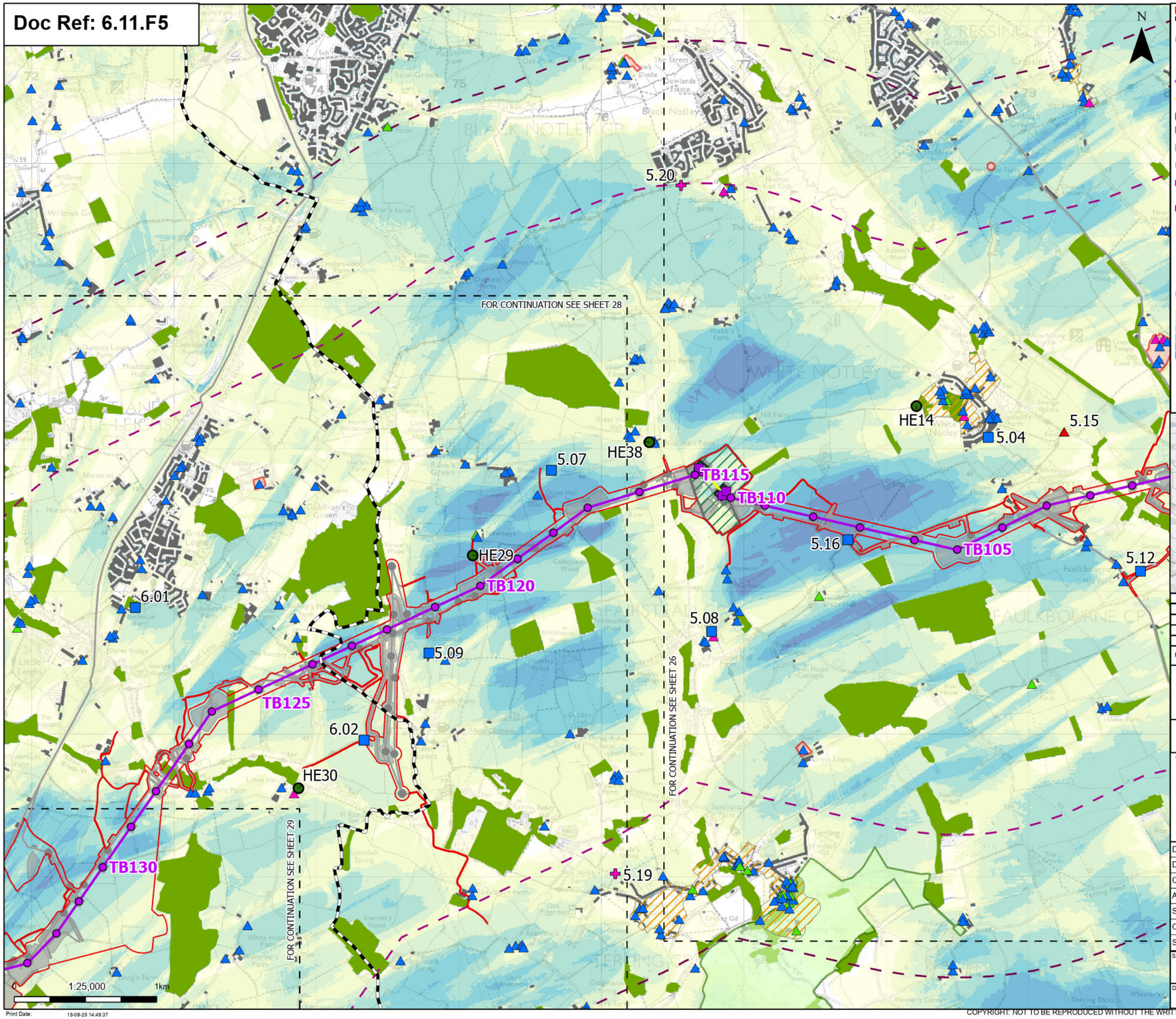

Order limits
Sheet index cutline
Project section line

Proposed project design details

- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Overhead line and underground cable alignment - 2 km Study Area
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Woodland
Conservation areas

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Registered parks and gardens
Scheduled monuments

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PROJECT: Norwich to Tilbury

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Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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Suitability Code:	A2	Project Number:	10059280

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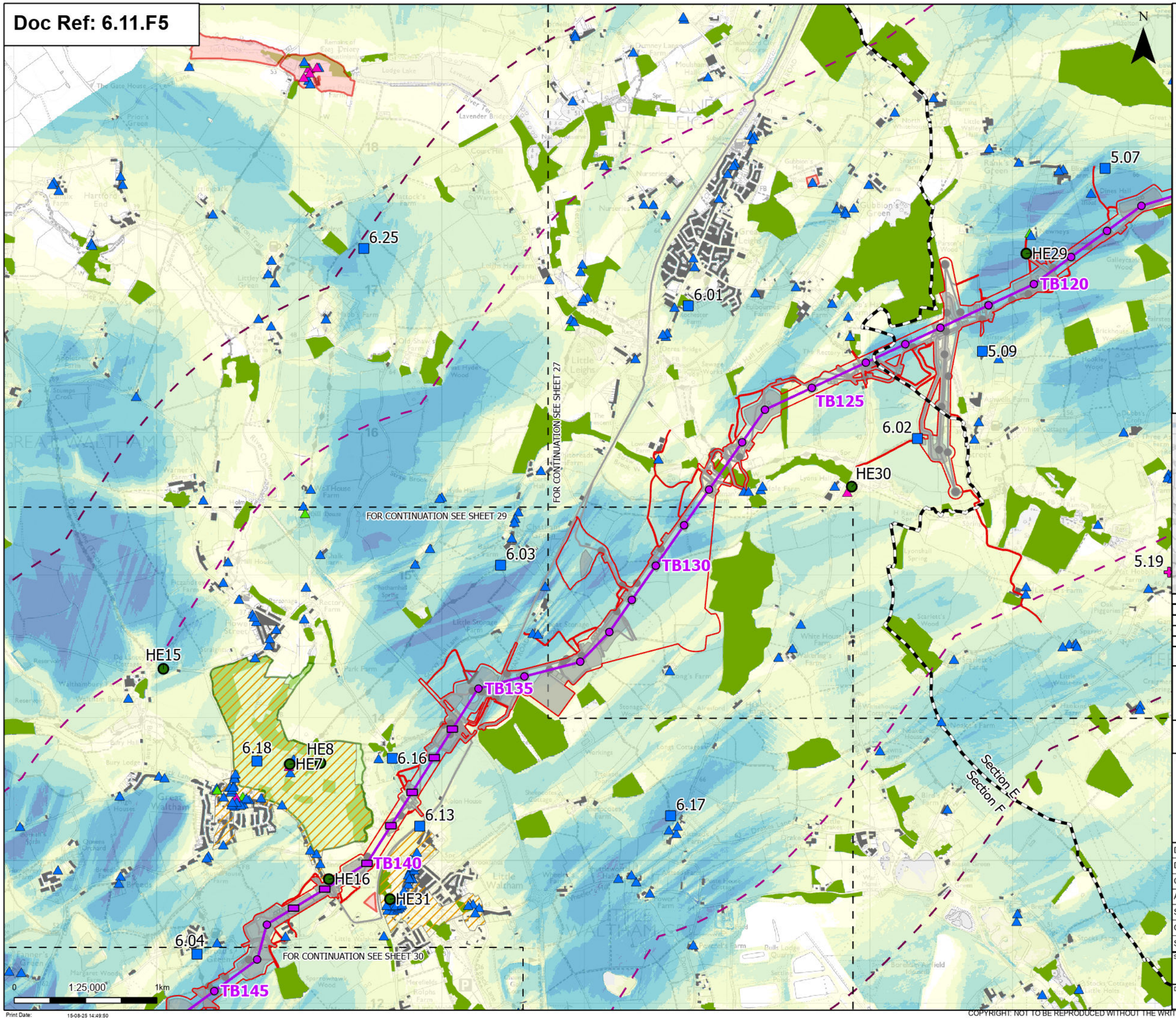

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

Overhead line and underground cable alignment - 2 km Study Area
Overhead line and underground cable alignment - 3 km Study Area
ES Landscape and Visual Viewpoint (Photomontage)
ES Landscape and Visual Viewpoint (Wireline only)
Historic Environment Viewpoints

Number of pylons theoretically visible

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11 - 20
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41 - 50
51 - 60
61 - 70
71 - 80

Buildings
Woodland
Conservation areas

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Grade II*

Registered parks and gardens
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PROJECT: Norwich to Tilbury

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

Title:

Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
Page 28 of 37

Designed	L. Bishop	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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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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Drawing Number: 10059280-ARC-EHR-ZZ-DR-ZZ-00436

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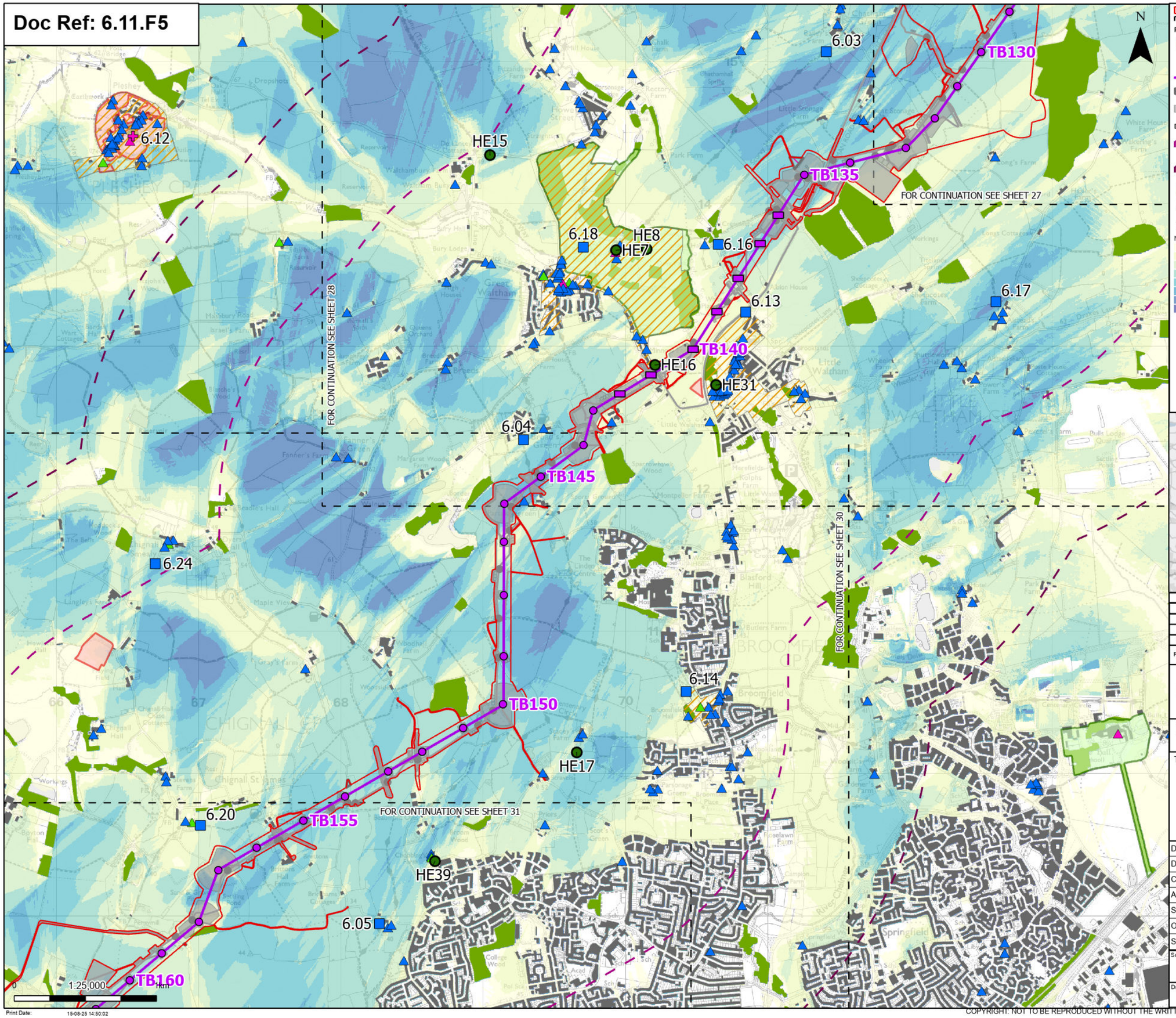

Order limits
Sheet index cutline

Proposed project design details
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints
- Overhead line and underground cable alignment - 2 km Study Area
- Overhead line and underground cable alignment - 3 km Study Area
- ES Landscape and Visual Viewpoint (Photomontage)
- ES Landscape and Visual Viewpoint (Wireline only)
- Historic Environment Viewpoints

Number of pylons theoretically visible
- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- 51 - 60
- 61 - 70
- 71 - 80

Buildings
Woodland
Conservation areas
Listed building
- Grade I
- Grade II
- Grade II*

Registered parks and gardens
Scheduled monuments

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the Project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in January 2023), edited to create an indicative Digital Surface Model (DSM), incorporating existing buildings (OSVML building data) and existing woodland (Forestry Commission NFI 2022 data). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, EACN substation and substation extensions at Bramford has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.0.3 software.

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Drawing Number: 10059280-ARC-EHR-ZZ-DR-ZZ-00436

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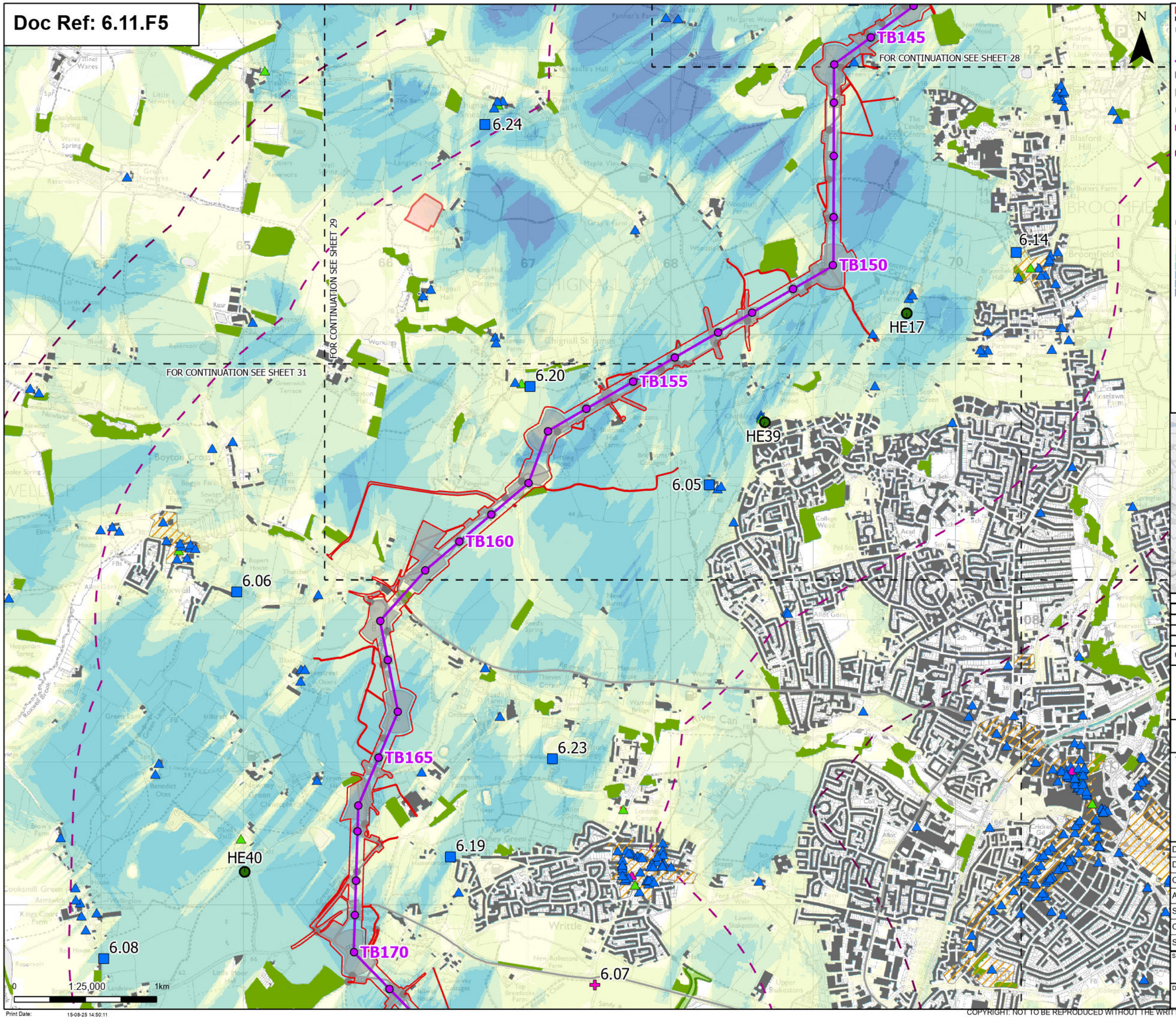

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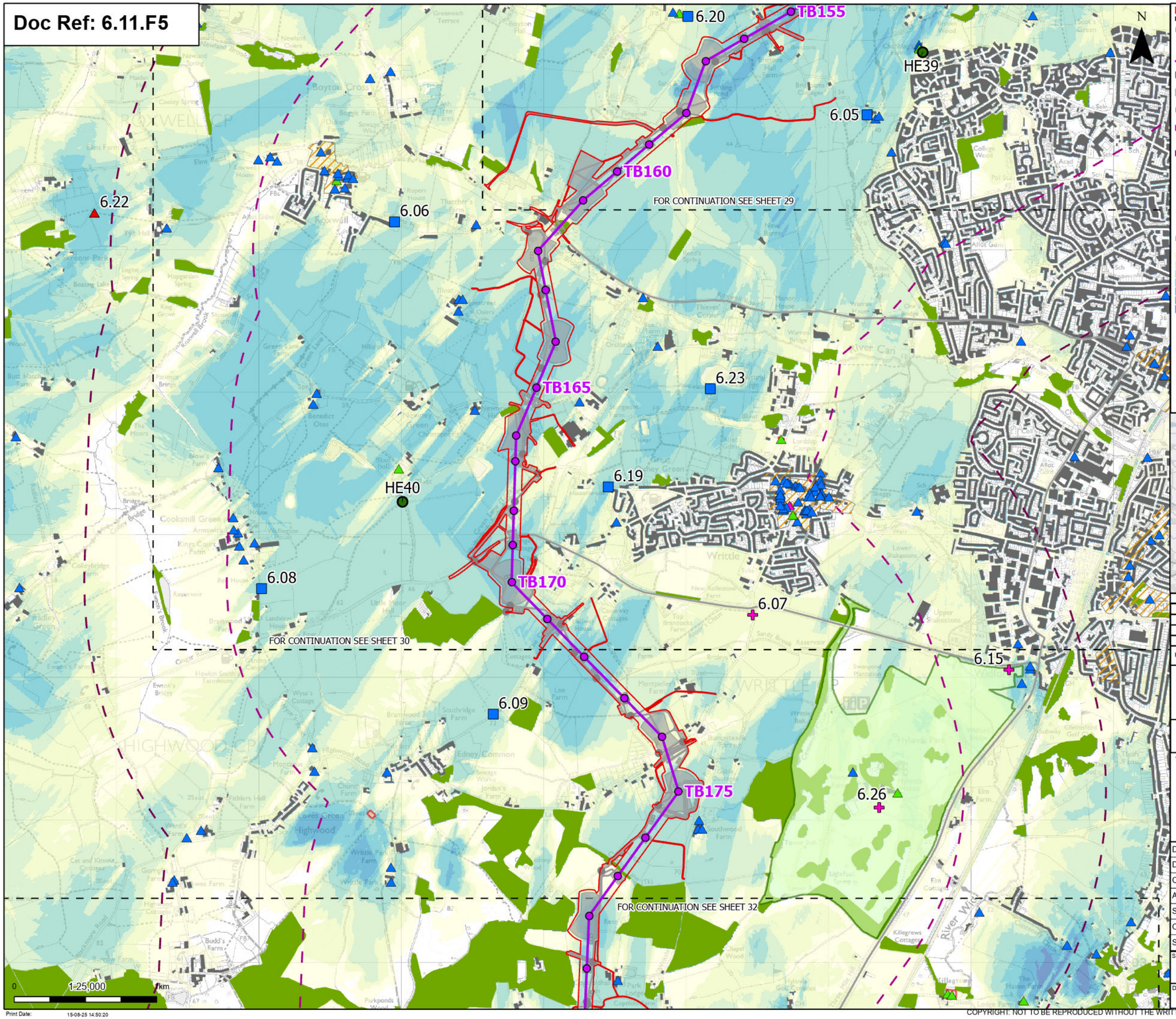

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Sheet index cutline

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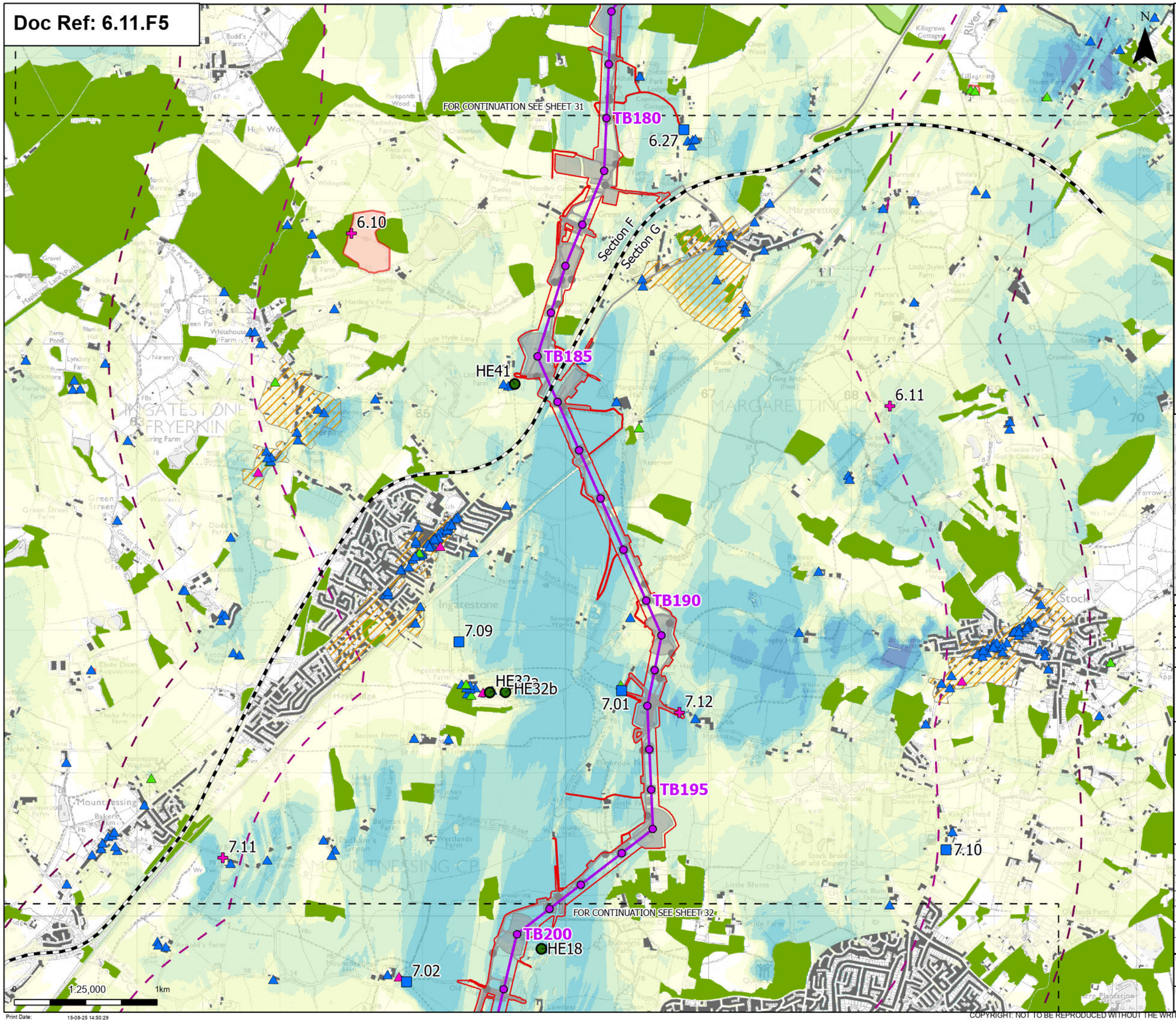

Order limits
Sheet index cutline
Project section line

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Discipline specific constraints

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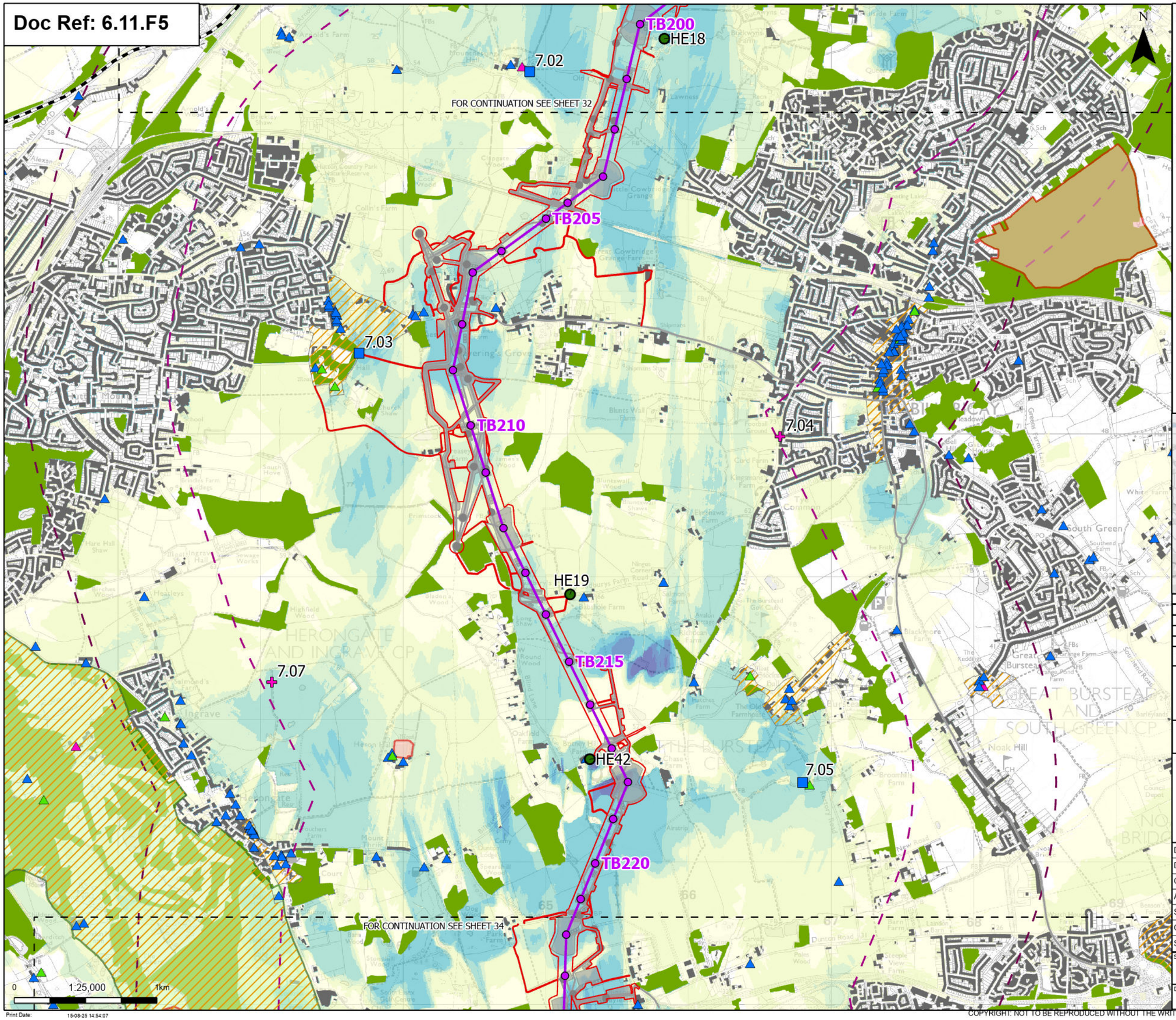

Order limits
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Proposed project design details

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Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations

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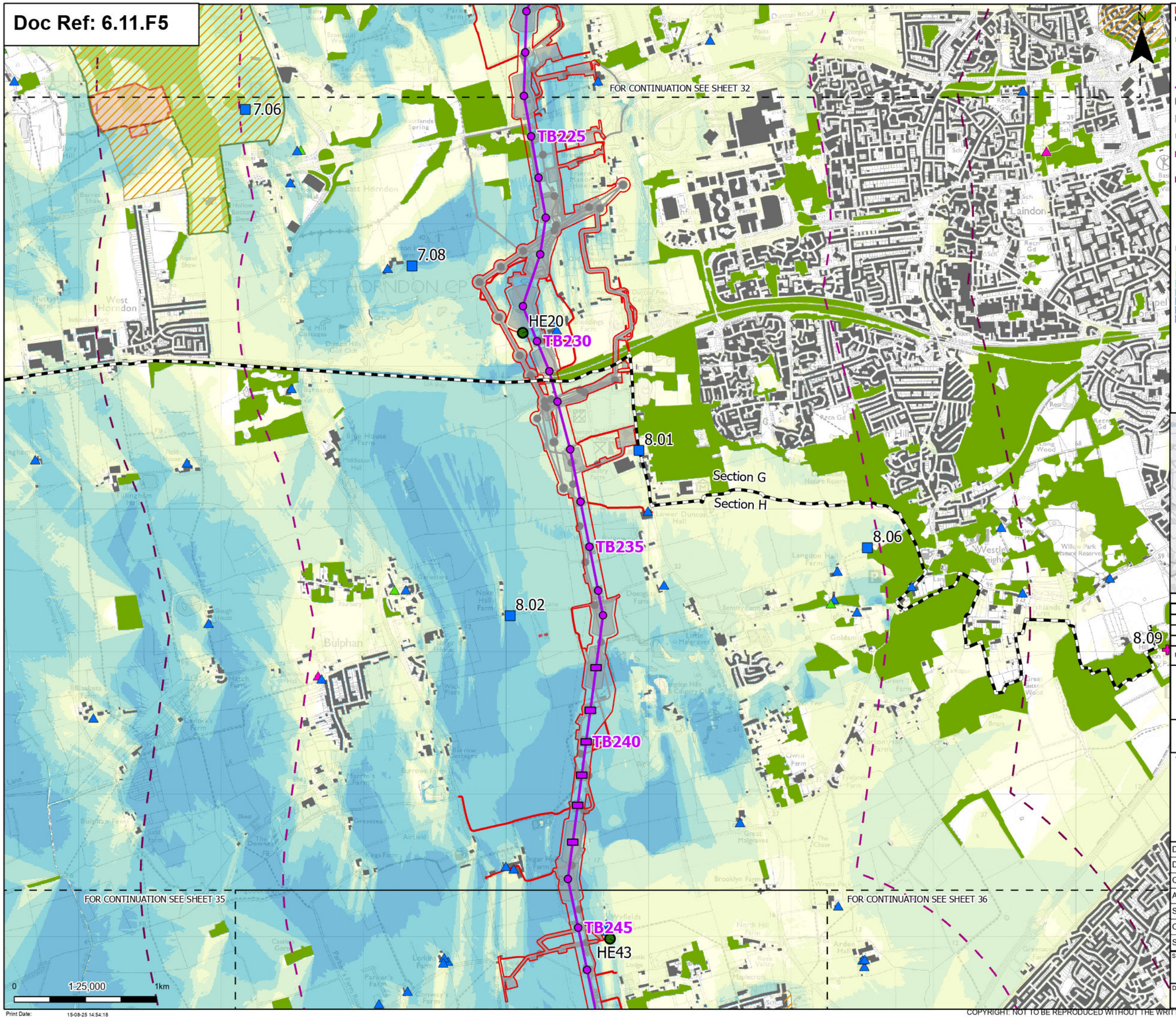

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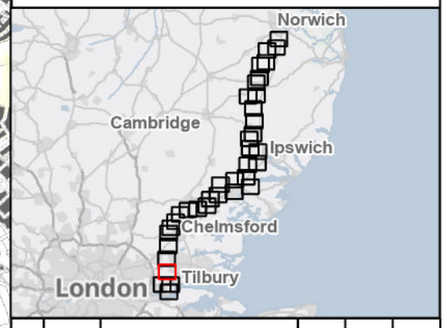

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PROJECT: Norwich to Tilbury

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Figure 11.5 - Historic Environment - Historic Environment and LVIA Viewpoint Locations
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8.10

8.03

8.07

8.11

8.05

8.12

TB245

HE43

TB250

TB255

TB260

YYJ115

ZB20

YYJ120

ZB15RA3

ZB15RC

YYJ125R

ZB10

YYJ130

THURROCK

N

0 1:25,000 1km

Print Date: 15-08-25 14:54:28

Order limits
Sheet index cutline

Proposed project design details
- Proposed full line tension gantry
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints
- Overhead line and underground cable alignment - 2 km Study Area
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TB245
HE43
TB250
TB255
TB260
8.03
8.04
8.05
8.07
8.08
8.11
8.12
ZB20
YYJ120
ZB15RAB
ZB15RC
YYJ125R
ZB10
YYJ130
Proposed Tilbury North Substation
FOR CONTINUATION SEE SHEET 34
FOR CONTINUATION SEE SHEET 35
FOR CONTINUATION SEE SHEET 37
THURROCK
N
0 1:25,000 1km

Order limits
Sheet index cutline

Proposed project design details
- Proposed full line tension gantry
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ZB20
YYJ120
ZB15RA3
ZB15RC
YYJ125R
ZB10
YYJ130
8.11
8.05
8.12
8.04
Proposed Tilbury North Substation
FOR CONTINUATION SEE SHEET 35
FOR CONTINUATION SEE SHEET 36
N
0 1:25,000 1km

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