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Norwich to Tilbury

Volume 6: Environmental Statement

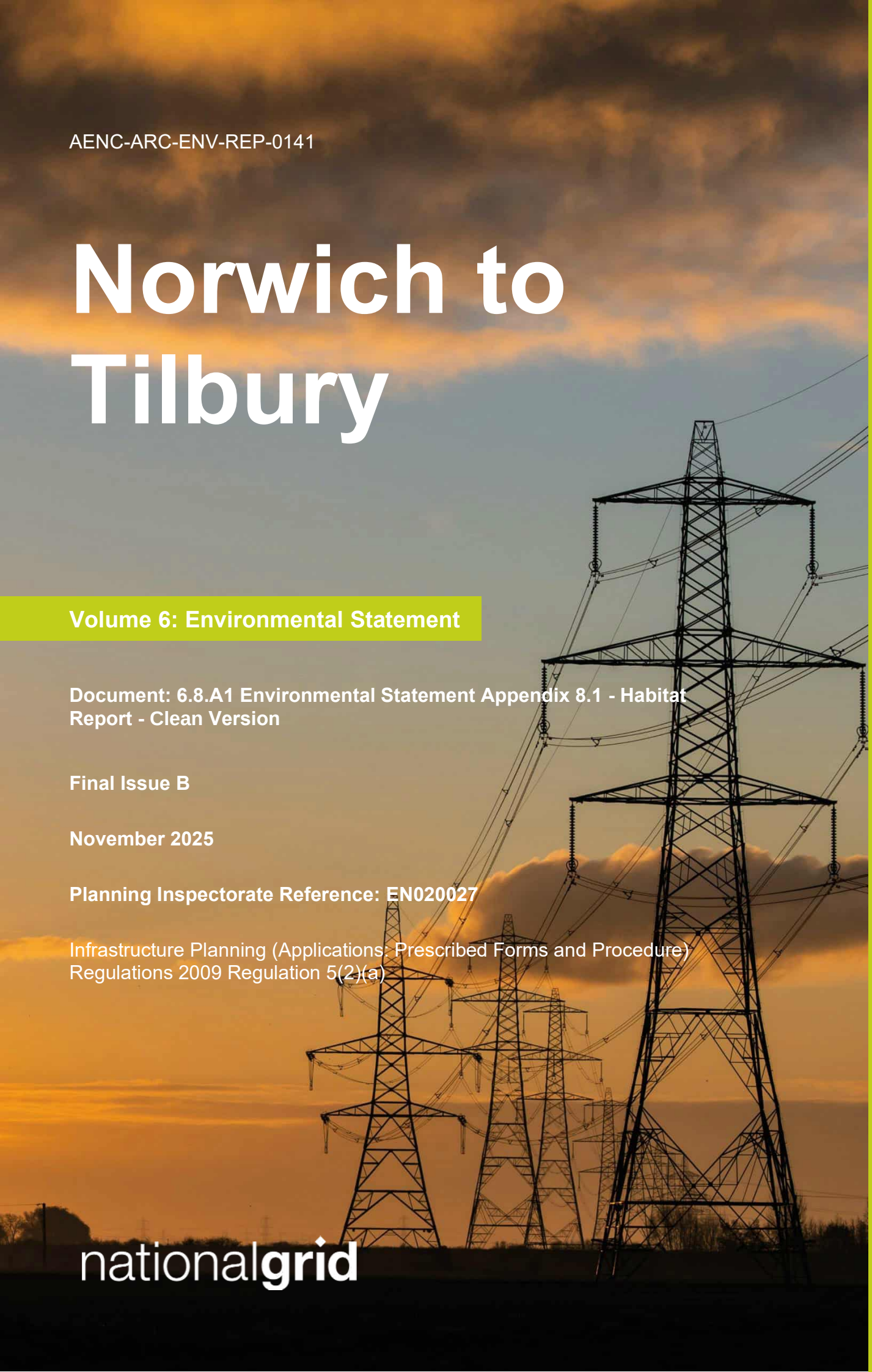
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1. Introduction

1.1 Background

1.1.1 This report has been produced as an appendix to Chapter 8: Ecology and Biodiversity (document reference 6.8) (Rev B) of the Environment Statement (ES) (Volume 6 of the Development Consent Order (DCO) application) for Norwich to Tilbury (the 'Project').

1.1.2 The ecological background and the scope for this report is set out in the Environmental Impact Assessment (EIA) Scoping Report (document reference 6.19) and agreed within the EIA Scoping Opinion received from the Planning Inspectorate in December 2022 (document reference 6.20).

1.1.3 The EIA Scoping Report (document reference 6.19), issued to the Planning Inspectorate in November 2022, identified the need for further assessment of ancient woodland, ancient/veteran trees, Habitat of Principal Importance (HPI) in England and other notable/protected species/habitats that may be affected by the Project. The following points support the basis of this reasoning:

- It was known there was potential for the presence of terrestrial notable vascular and non-vascular plants, with the presence of these requiring appropriate mitigation to avoid adverse effects. In this instance, the Project would seek to avoid habitats with the potential to support protected/notable species
- Ancient woodlands would be avoided as far as practicable, but there is potential for habitat damage/modification caused by construction traffic and corresponding deterioration of air quality
- There was anticipation that the Project would pass through or near HPI, causing direct and indirect effects through construction
- The EIA Scoping Report anticipated potential habitat loss through construction, with no perceivable pathways to effect from operation (and maintenance). Permanent habitat loss would be limited to permanent infrastructure, with all other habitats being reinstated on completion of construction as far as practical. Additional areas of planting and habitat creation to deliver a net gain in biodiversity would be implemented.

1.1.4 The Project has also been sub-divided into eight geographical sections for reader accessibility, based largely on Local Planning Authority boundaries. These are shown on Figures in Annex A and comprise:

- Section A – South Norfolk Council
- Section B – Mid-Suffolk District Council
- Section C – Babergh District Council, Colchester City Council and Tendring District Council
- Section D – Colchester City Council
- Section E – Braintree District Council

- Section F – Chelmsford City Council and Brentwood Borough Council
- Section G – Basildon Borough Council and Brentwood Borough Council (and part of Chelmsford City Council)
- Section H – Thurrock Council.

1.1.5 Results reported in this document reference the Project Section that the habitat is located within.

1.2 Brief and Objectives

1.2.1 The brief of the survey work was to obtain baseline data to inform the ES (Volume 6 of the DCO application) for the Project; to provide an indication of the type and condition of habitats that would be affected by the Project; to provide detailed assessment of these habitats; and outline requirements for further survey work to inform detailed design.

1.2.2 Overall, the Project approach aims to deliver at least 10% Biodiversity Net Gain (BNG) with wider environmental and societal benefits. This will be achieved through a combination of reinstatement of habitats to equal or better quality than the baseline value at areas of temporary loss and habitat creation or enhancement of existing habitats around areas of permanent loss (Environmental Areas). An accurate baseline value is needed to inform the above, this was achieved by undertaking the following:

- Detailed desk studies of the survey area
- Field surveys such as UK Habitat (UKHab) and National Vegetation Classification (NVC) surveys to establish the habitats present within the Order Limits and their condition
- Characterise habitats within the Order Limits.

1.2.3 The following technical reports should be read in conjunction with this report and serve to provide more in-depth assessment of habitats present within the Order Limits:

- Appendix 8.2: National Vegetation Classification Report (document reference: 6.8.A2)
- Appendix 8.3: Habitat Regulations Report (document reference 6.8.A3)
- Appendix 8.4: Aquatic Report (document reference 6.8.A4)
- Appendix 8.13: Otter and Water Vole Report (document reference 6.8.A13)
- Appendix 8.16: Designated Sites (document reference 6.8.A16)
- BNG Report (document reference 7.1) which includes Modular River Physical Survey (MoRPh) (Appendix B)
- Appendix 13.6: Arboricultural Impact Assessment (document reference 6.13.A6).

1.3 Study and Survey Area

1.3.1 The Study Areas for the Project varies with the different biodiversity receptors based on the Chartered Institute of Ecology and Environmental Management (CIEEM)

Guidelines for Ecological Impact Assessment (CIEEM, 2018) and defined in Table A8.1.1.

Table A8.1.1 Study Area

Biodiversity Receptor	Study Area
Ancient woodlands	Order Limits and a buffer of 200 m
Habitats of Principal Importance	Order Limits and a buffer of 200 m
Groundwater Dependant Terrestrial Ecosystem (GWDTE)	Order Limits and a buffer of 2 km
Protected/Notable Plant and Fungi Species and Invasive Non-Native Plant Species	Order Limits and a buffer of 2 km

1.3.2 The Survey Areas outlined in Table A8.1.2 are based on the results of the desk study, best practice guidance and the Zone of Influence for the Project i.e., the Survey Area encompassed habitats that were within the Order Limits and those within 50 m where there was the potential for indirect effects.

Table A8.1.2 Survey area

Type of Survey	Survey Area
UK Habitat (UKHAB) Survey	Order Limits and a buffer of 50 m.
Modular River Survey	All watercourses classified as 'Priority Rivers', and 'Other Rivers and Streams' within the Order Limits that are affected by proposed underground cabling, Cable Sealing End (CSE) compounds, substation works (the extension of existing Bramford Substation, and construction of new East Anglia Connection Node (EACN) and Tilbury North Substations), or rivers crossed by the proposed haul road or Public Right of Way (PRoW) diversions.
Hedgerows Regulations Assessment	Hedgerows which, at the time of site selection, were proposed to be permanently or temporarily removed to facilitate the Project.
Invasive Plants	Within or intersecting the Order Limits.
National Vegetation Classification	Targeted locations within the Order Limits which have either been confirmed or queried as HPI during the desk study.

2. Relevant Legislation and Policy

2.1 Legal Compliance

2.1.1 Surveys and assessments have been undertaken in accordance with current legislation and planning policy in the context of the Project. A summary of the relevant legislation is provided in Table A8.1.3.

Table A8.1.3 Legal compliance

Legislation	Details
Convention on Wetlands of International Importance Especially as Waterfowl Habitat 1971	An international treaty created to ensure the conservation and sustainable management of wetlands, through the designation of Ramsar sites and international cooperation between contracting parties such as the UK Government. The Contracting Party responsible for the site must ensure the protection of wintering bird populations, implementing appropriate measures, such as controlling invasive species and maintain suitable water levels.
Conservation of Habitats and Species Regulations 2017 (as amended in 2019) ('Habitat Regulations')	The Regulations require authorities on behalf of the Secretary of State to maintain a list of sites which are important for either habitats or species (Special Areas of Conservation (SACs) and Special Protection Areas (SPAs)) and to provide protection for these sites through designation, planning, and other controls. The Regulations make it an offence (subject to exceptions) to deliberately, kill, injure, disturb, capture, or trade in the animals listed in Schedule 2, or pick, collect, cut, uproot, destroy, or trade in the plants listed in Schedule 5. However, these actions can be made lawful through the granting of licences by the appropriate authorities (Natural England in England). Licences may be granted for several purposes (such as science and education, conservation, preserving public health and safety), but only after the appropriate authority is satisfied that there are no satisfactory alternatives and that such actions will have no detrimental effect on the favourable conservation status of the species concerned.
The Wildlife and Countryside Act 1981, as amended (hereafter referred to as WCA)	The Act is the main mechanism for legislative protection of wildlife in England. It gives protection to native species (particularly threatened species), their resting places and places of shelter by making it an offence to kill, injure, take, damage, destroy, sell, or possess them (with exceptions). The Act gives protection to certain species of wild plants and safeguards important habitats by making it an offence to damage or destroy certain types of designated habitats, such as Sites of Special Scientific Interest (SSSI) and National Nature Reserves (NNR). This Act also prohibits the spread and release of certain non-native species into the wild.

Legislation	Details
The Hedgerows Regulations 1997	The Hedgerows Regulations 1997 aims to protect important hedgerows, defined as lines of trees or shrubs acting as barriers or boundaries in the rural landscape. The regulations prohibit the removal of certain hedgerows without permission from the Local Planning Authority.
Countryside and Rights of Way Act 2000	The Act places a duty on government departments to have regard to the conservation of biodiversity and maintain lists of species and habitats for which conservation steps should be taken or promoted, in accordance with the Convention on Biological Diversity (this duty was strengthened in the NERC Act). It also strengthens legal protection for species considered to be threatened under the WCA and increases powers for the protection and management of SSSIs.
The Natural Environment and Rural Communities (NERC) Act 2006	The NERC Act places a duty upon public bodies to maintain Section 41 (s41) lists of flora, fauna, and habitats and to consider these ecological features as a material consideration in planning. It also requires decision-makers to have regard to the conservation of biodiversity in England, when carrying out their normal functions. A total of 387 species of bryophyte, lichen, fungi, and vascular plants are included under s41, these are Species of Principal Importance in England (referred to as SPI in this report). Twenty-eight habitats that have the potential to occur within the Project boundary are included under s41, these are Habitats of Principal Importance in England (referred to as HPIs in this report), s41 does include more than 28 habitats but those that are coastal, upland or with a restricted distribution have no potential to be affected by the Project.
The Invasive Alien Species (Enforcement and Permitting) Order 2019	This order strengthens the legislation in relation to widely spread species of European Union concern, requiring effective management measures to be put in place to minimise their impacts. A person who plants or otherwise causes to grow in the wild any specimen which is of a species of plant which is included in Part 2 of Schedule 2 is guilty of an offence.
The Environment Act 2021	In line with the 25 Year Plan for the Environment (HM Government, 2018), new development should identify and pursue opportunities for securing measurable net gains for biodiversity and for the wider environment. The Environment Act 2021 introduces a requirement for biodiversity net gain which is expected to become mandatory for Nationally Significant Infrastructure Projects in May 2026.

2.2 Planning Policy

2.2.1 Chapter 8: Ecology and Biodiversity (document reference 6.8) provides further details of relevant planning policy.

3. Methodology

3.1 Nomenclature

3.1.1 Common and scientific names of species recorded follow The New Flora for the British Isles (Stace, C. A, 2019). Capital letters have not been used for the common names in keeping with guidance used for the compilation for the Environmental Statement whereby capital letters are only to be used for proper nouns. Scientific names are provided at first occurrence within the main body of the text.

3.1.2 This report uses the UKHab system (UKHab, 2023) to identify and describe habitat types consistently across the survey area, these are identified with unique codes. The codes are alphanumeric identifiers that correspond to specific habitat categories within a hierarchical framework, allowing for both broad and fine-scale ecological classification. Codes are always lower case (for example: lowland mixed deciduous woodland is code 'w1f'). Secondary and essential codes are listed after the primary code (for example: ancient woodland sites are assigned the secondary code 28, so would be referenced as 'UKHab code: w1f, 28'). The use of UKHab codes supports standardised ecological reporting and facilitates comparison with other surveys and datasets. Codes are only referenced on first occurrence within this report and not repeated thereafter to maintain readability.

3.2 Desk Study

3.2.1 A desk study was completed in September 2023 and was updated as necessary in September 2025.

Ancient Woodland and Habitats of Principal Importance

3.2.2 The Multi-Agency Geographic Information for the Countryside website (Natural England, 2025) was used to identify the location of HPI within 200 m of the Order Limits and ancient woodland within 200 m of the Order Limits.

3.2.3 Aerial photography from Google Earth (google, 2025) was used to assess habitats within the Study Area in a wider context and allowed the identification of potential wildlife corridors or barriers to species movement. Information from Google Earth allowed a review of changes to habitats over time so that an assessment of reliability/longevity could be made.

3.2.4 APEM aerial imagery, commissioned by the Project, from 2022 was also used to provide Digital Surface Model (DSM) tiles, Digital Terrain Model (DTM) tiles, Ortho-mosaic tiles, and tree crown mapping for the Scoping Report Corridor (see Phase 1 Habitat Survey below for further details). Imagery at a resolution of 3 cm Ground Sampling Distance was captured using fixed-wing aircraft.

Protected/Notable Plant and Fungi Species

3.2.5 Data requests were made to Local Environmental Record Centres (LERCs) to provide information on protected/notable species of plants (including bryophytes and

fungi) within the Order Limits and a 2 km search area extending from the boundary of the Scoping Report Corridor. The following LERCs were contacted:

- Norfolk Biodiversity Information Service (NBIS)
- Suffolk Biodiversity Information Service (SBIS)
- Essex Field Club (EFC).

3.3 Field Survey Methodology

Data Collection

3.3.1 All field data that relates to habitats and plant species was captured digitally on GIS enabled tablets that were updated in real time to ensure that field surveyors had access to data collected by their colleagues. This ensured that data was reviewed as it was captured. All surveyors had access to a field layer that enabled them to record incidental records of notable or invasive species whilst out on survey which meant that species data was captured throughout the 2023, 2024 and 2025 survey season.

Phase 1 Habitat Survey

3.3.2 Habitats were digitally mapped using Project commissioned high-resolution imagery captured using fixed-wing aircraft, conducted by APEM in April and May 2022. The habitats were classified as per the definitions outlined in the Joint Nature Conservation Committee (JNCC) Phase 1 Handbook (JNCC, 2010).

3.3.3 In 2023, ground-truthing surveys were conducted between May and October within the Order Limits, these surveys continued in April 2024 until November 2024 to cover areas that were not surveyed in 2023. Ground-truthing surveys recommenced in March 2025 continued to the end of September 2025.

3.3.4 The ground-truthing survey involved competent surveyors walking the land within the Order Limits to confirm the APEM data. Where it was apparent that the fixed-wing survey mapping was not correct, or land had not been subject to fixed-wing survey, the Phase 1 habitat mapping was amended.

UK Habitat Survey and Biodiversity Net Gain (BNG) Condition Assessment

3.3.5 In parallel with the Phase 1 habitat ground-truthing survey, land within the Order Limits was mapped using the UK Habitat Classification (UKHab Ltd., 2023) and the habitat condition assessed using the criteria provided in the technical guidance that accompanies the Statutory Biodiversity Metric (Defra, 2024). This data was collected to establish baseline conditions, identify HPI and facilitate a BNG calculation and hereafter are referred to as the ‘UKHab’ survey(s).

3.3.6 Habitat condition assessments were carried out to provide data for the BNG assessment with notes taken to provide further information on the UKHab Classification.

Hedgerows Regulations Assessment

3.3.7 In early 2024, desk study data that was collected for the Project and reviewed to identify hedgerows that may potentially be classified as important under the Hedgerows Regulations 1997. Targeted surveys were undertaken in 2024 of selected hedgerows that would be affected by the Project, for more details see Appendix 8.3: Hedgerows Regulations Report (document reference 6.8.A3).

National Vegetation Classification

3.3.8 In early 2024, the UKHab data and desk study data that was collected for the Project was reviewed to identify HPI that may potentially be directly affected by the Project. Forty-two locations were identified as potentially being HPI and targeted botanical surveys commenced in April 2024 to assess whether these sites supported HPI. Where it was clear from desk study and/or the UKHab data that an area was HPI, or no effects were predicted, NVC surveys were not undertaken. For more details see Appendix 8.2: National Vegetation Classification Report (document reference 6.8.A2).

Groundwater Dependent Terrestrial Ecosystems

3.3.9 Desk study data was reviewed to identify the HPI, statutory and non-statutory designated sites that support habitats associated with GWDTE that have the potential to be affected by the Project due to the potential for the disruption of hydrological links, where the Project is located underground for the underground cabling or where large above ground installations are proposed. The results of the UKHab and NVC surveys were also used to identify areas where there is the potential for effects on GWDTE, additionally a desk-study of designated sites that support wet habitats. If the site was connected to a watercourse, this was followed to confirm or rule out hydrological linkage to the Project. The Study Area was 2 km from the Order Limits, the distances reported in the results with respect to GWDTE relate to the upstream or downstream distance along the watercourse between the GWDTE and elements of the Project that interact with the watercourse.

Modular River Survey

3.3.10 Digital online mapping was used to identify watercourses that may be crossed by the Project. Field surveys were conducted to assess whether these watercourses meet the criteria for a River Condition Assessment for Biodiversity (A.M. Gurnell et. al, 2020), focusing on flowing water conditions. The surveys evaluated the quality of physical habitat and the functionality of river systems, aligning with the latest survey requirements for River Condition Assessment for Biodiversity (A.M. Gurnell et. al, 2020).

3.3.11 The scope of the survey encompassed all impacted watercourses classified as Priority Rivers and Other Rivers and Streams within the Order Limits to ensure a thorough understanding of the potential environmental effects. ‘Impacted watercourses’ are defined as any watercourses proposed for underground cabling, CSE compounds, substation works (connection works to the existing Norwich Main Substation, the extension of existing Bramford Substation, and construction of the new EACN and Tilbury North Substations), or rivers crossed by the proposed haul road or PRoW diversions.

3.3.12 Surveys took place between April and October 2024, to fully consider seasonal variations and distinct habitat characteristics. For more details see Biodiversity Net Gain Report (document reference 7.1).

Invasive Plant Survey

3.3.13 Invasive plant species were identified and recorded during the UKHab surveys and other targeted ecological surveys that took place within the Order Limits to provide a baseline for the impact assessment in Chapter 8: Ecology and Biodiversity (document reference 6.8).

3.3.14 Surveyors systematically identified and digitally recorded the invasive plant species encountered during the surveys, recording specific locations and density of these invasive plant species within the Order Limits. The locations of invasive plants were recorded in parallel with other ecological surveys, as outlined above under data collection.

Ancient and Veteran Trees

3.3.15 Ancient and veteran trees were identified by an arboriculturist as part of the comprehensive tree survey. The assessment of these notable trees is integrated into the broader tree survey, providing insights into their distribution, unique characteristics, historical significance, and overall condition within the defined survey area. The results of this survey are presented in Appendix 13.6: Arboricultural Impact Assessment (document reference 6.13.A6) and are not replicated in this report.

Incidental Records

3.3.16 Locations of protected or otherwise notable plant species such as species of principal importance (SPI) were digitally captured as incidental records during the UKHab surveys and other targeted ecological surveys that took place within the Order Limits to provide a baseline for the impact assessment. The locations of these plants are provided in this report.

3.4 Dates of Survey and Personnel

3.4.1 All lead surveyors were trained ecologists that hold membership of CIEEM. Botanical surveys were undertaken by ecologists with over 5 years of experience in undertaking the respective habitat surveys, with a Field Identification Skills Certificate (FISC) level of at least four. The surveys have taken in the survey season as outlined in Table A8.1.4.

Table A8.1.4 Survey timings

Type of Survey	Survey Dates
Phase 1 Habitat ground truthing survey, UKHab and BNG Survey	May to October 2023; April to November 2024, March to end of September 2025
Hedgerows Regulations Assessment	May to October 2023; April to October 2024
Invasive Plant Survey	May to October 2023; April to October 2024
NVC Survey	April to August 2024

Type of Survey	Survey Dates
Modular River Survey	April to October 2024

3.5 Notes and Limitations

3.5.1 Records held by LERCs are collected on a voluntary basis; therefore, the absence of records does not demonstrate the absence of species, it may simply indicate a gap in recording coverage. The data collection is not exhaustive and can be biased towards areas with public access or where surveys have taken place to inform other development projects. It is therefore possible that there are protected/notable species of plants present within/adjacent to the Order Limits that are not identified during the data searches.

3.5.2 LERC data relies on contributions from multiple sources, including citizen scientists, volunteers, and professionals. This can result in variations in data quality and accuracy. Errors in species identification, misinterpretation of data, or inconsistent sampling methodologies can affect the reliability of the data. This also means there is a lack of standardisation in collecting data.

3.5.3 LERC data may not always be regularly updated or maintained, leading to potential gaps in recent data or changes in ecological conditions. This can limit the accuracy and relevance of the data. Collecting bespoke field survey data overcomes any gaps in desk study data coverage. This data is used to inform the assessment, but the baseline is created using a combination of desk study and field surveys and so the partial nature of desk study records is not a limiting factor in the assessment.

3.5.4 Using aerial imagery may result in inaccuracies from misidentification of certain habitats due to unclear images. Undertaking ground truthing surveys has overcome this limitation.

3.5.5 This report is based on desk study and field survey information that was available up to and including the end of September 2025. Every effort has been made to obtain land access to the full Order Limits, however where access was not available a combination of the high-definition aerial imagery, past aerial imagery data available on Google (Google Earth, 2023) and surveys from vantage points have overcome this limitation. Approximately 97% of the Order Limits have been subject to an on the ground UKHAB condition assessment.

3.5.6 There is the potential that some areas of invasive plant species have been missed during the surveys; however, the survey data is considered sufficient to inform the impact assessment and the Outline Code of Construction Practice (CoCP) (document reference 7.2). Pre-construction surveys will provide a detailed picture of the location of invasive plant species to ensure that appropriate mitigation is implemented as set out in the Outline CoCP (document reference 7.2).

4. Results

4.1 Overview

4.1.1 This section provides the results of the desk study as well as the UKHab surveys undertaken across the Project with respect to ancient woodland (UKHab code: w1f, 28), HPI and other protected/notable plant and fungi species. Some areas of HPI have undergone NVC surveys, results of NVC surveys are referred to briefly, but more comprehensive results from these surveys can be found in Appendix 8.2: National Vegetation Classification Report (document reference 6.8.A2).

4.1.2 The following figures illustrate the field survey and desk study findings and can be found in Annex A:

- Figure A8.1.1: UK Habitat Map (Rev B)
- Figure A8.1.2: Habitat of Principal Importance (Rev B)
- Figure A8.1.3: Ancient Woodland Locations
- Figure A8.1.4: Groundwater Dependent Terrestrial Ecosystems
- Figure A8.1.5: Protected/ Notable Plant Species
- Figure A8.1.6: Invasive Plant Species (Rev B)
- Figure A8.1.7: Linear Habitat Survey Results (Rev B).

4.1.3 The surveys found that most of the land within the Order Limits comprised cropped arable farmland (cropland), with pockets of woodland, improved grassland fields (modified grassland) and fields supporting semi-improved neutral grassland (other neutral grassland). Table A8.1.5 provides a summary of broad habitat types present within the Order Limits.

Table A8.1.5 UKHab areas

Habitat	Area (ha)	Percentage of Order Limits covered by Habitat type
Cropland	2887.63 ha	77.0%
Grassland	618.25 ha	16.48%
Wetland	0.33 ha	< 0.01%
Heathland and shrub	25.23 ha	0.67%
Lakes	4. 21 ha	0.11%
Sparsely vegetated land	17.06 ha	0.45%
Urban	120.07 ha	3.20%
Woodland and forest	78.58 ha	2.09%

4.1.4 The following HPI were identified within the Order Limits:

- Cropland (UKHab code: c1a):
  - Arable field margins: tussocky 0.07 ha) (UKHab code: c1a5)
  - Arable field margins: pollen and nectar (0.91 ha) (UKHab code: c1a6)
  - Arable field margins: cultivated annually (4.41 ha) (UKHab code: c1a7)
  - Arable field margins: game bird mix (14.70 ha) (UKHab code: c1a8)
- Grassland:
  - Lowland dry acid grassland (9.45 ha) (UKHab code: g1a)
  - Lowland meadows (0.89 ha) (UKHab code: g3a)
  - Floodplain wetland mosaic and coastal floodplain grazing marsh (UKHab code: g: 19; 55) (10.90 ha)
- Woodland:
  - Lowland mixed deciduous woodland (62.51 ha) (w1f)
  - Wet woodland (0.23 ha) (UKHab code: w1d)
- Wetland:
  - Reedbeds (0.33 ha) (UKHab code: f2e)
- Lakes:
  - Ponds (priority habitat) (1.13 ha) (UKHab code: r1g: 40)
- Watercourses:
  - Rivers and streams (priority habitat) (7.14 km) (UKHab code: r2a)
- Hedgerows:
  - Native hedgerows (149.56 km) (UKHab Code: h2a), of these:
  - Species-rich native hedgerows (33.61 km) (UKHab Code: h2a5)
- Lines of trees:
  - Ecologically valuable line of trees (4.89 km) (UKHab Code: w, 34)
- Urban:
  - Open mosaic habitat on previously developed land (0.61 ha) (UKHab code: g, 80).

4.1.5 In total approximately 1.7 ha of ancient woodland and 77 veteran trees are located within the Order Limits. Ancient woodland and veteran and / or ancient trees have been identified by the UK Government as irreplaceable habitats. An Ancient Woodland and Veteran Tree Management Strategy is presented in Appendix B of the Outline Landscape and Ecological Management Plan (LEMP) (document reference 7.4) (Rev B) which details the mitigations proposed to either avoid or minimise impact to these ecological features.

4.2 Desk Study Results

Ancient Woodland

4.2.1 Ancient woodlands that are illustrated on the Ancient Woodland Inventory are woodlands that cover more than 2 ha that are shown on maps on, or before, the year 1600 (Natural England, 2025). Small woodlands less than 2 ha and linear features are not shown on the inventory. 11 Local Wildlife Sites (LWS) within 200 m of the Order Limits are not identified as ancient woodland on the Ancient Woodland Inventory, the description of each site as provided by the LERCs indicates that these woodlands support ancient woodland features. These woodlands have been included in the impact assessment as supporting ancient woodland. These LWS are:

- Stonefield Strip (Section D)
- Harrow Wood (Section D)
- Upney Wood (Section E)
- Border Wood Lake (Section F)
- Primstock (Section G)
- Round Wood (Section G)
- Spring Wood (Brentwood) (Section G)
- St Margarets Wood and Lane (Section G)
- Botneyhill Woods (Section G)
- Little Bladen's Wood (Section G)
- Rainbow Wood and Ashen Shaw (Section H).

4.2.2 Using data taken from the Ancient Woodland Inventory on MAGIC (Natural England, 2025) and the LWS data, 51 blocks of ancient woodland have been identified within 200 m of the Order Limits across Norfolk, Suffolk, and Essex. These are listed in Table A8.1.6 and shown on Figure A8.1.3: Ancient Woodland Locations in Annex A. Of these 51 woodlands, six are partially located within the Order Limits.

4.2.3 Habitat descriptions of the six ancient woodlands within the Order Limits are provided below as supplied by the LERC, supplemented by data gathered by the Project.

Round Wood (Section B)

4.2.4 Round Wood is part of Round Wood and Elm's Grove County Wildlife Site (CWS). Round Wood is an ancient woodland of approximately 3.87 ha in size, 0.52 ha are within the Order Limits. The woodland is bordered by a medieval bank, ditch and hedgerows. Dominant trees included pedunculate oak *Quercus robur* and ash *Fraxinus excelsior* with frequent hazel *Corylus avellana* coppice. It supports a good diversity of uncommon woody species including midland hawthorn *Crataegus laevigata*, guelder-rose *Viburnum opulus*, crab apple *Malus sylvestris*, spindle *Euonymus europaeus*, wood anemone *Anemone nemorosa*, early dog-violet *Viola reichenbachiana*, sanicle *Sanicula europaea* and stinking iris *Iris foetidissima*.

Miller's Wood (Section B)

4.2.5 Miller's Wood is a CWS and ancient woodland of approximately 7.36 ha in size, the Order Limits intersects at the southern edge totalling 0.01 ha. The woodland is enclosed by a wood bank, parts of which were probably of medieval origin. Ditches divide the wood into compartments. The northern section of the wood is typical of ancient woodland and consist of hazel and field maple *Acer campestre* coppice with pedunculate oak standards forming the tree layer. Further south, coppiced horse-chestnut *Aesculus hippocastanum* and sweet chestnut *Castanea sativa* are abundant. In contrast the remainder of the wood is a recent plantation consisting mainly of sycamore *Acer pseudoplatanus* with some beech *Fagus sylvatica*. The ground flora is reasonably varied, sanicle, wood spurge and hairy St John's-wort *Hypericum hirsutum* are amongst the more uncommon plants on the species list.

Rivenhall Thicks (Section E)

4.2.6 Rivenhall Thicks is a LWS and ancient woodland which has an exceptionally rich flora. The structure of the wood is primarily old, coppiced hazel and ash with standards of pedunculate oak. The ground flora is noted to be diverse. Only 0.02 ha of this woodland intersects the Order Limits.

Writtle – Writtlepark Wood (Section F)

4.2.7 The Writtlepark complex is a group of ancient woodlands approximately 46.5 ha in size and consists of Writtlepark Wood, Bosmore Wood, Baker's Wood and Chatterbox Wood. 0.02 ha of Writtlepark Woods intersects the Order Limits.

4.2.8 Writtlepark Wood is dominated by coppiced sweet chestnut *Castanea sativa* and hornbeam *Carpinus betulus*. Pedunculate oak standards are found throughout. The field surveys undertaken for the Project revealed that the areas within the Order Limits supported few ground flora species with the ground flora dominated by bramble *Rubus fruticosus* agg. and common nettle *Urica dioica*. Large parts of the woodland are one age and one storey, with the presence of rhododendron *Rhododendron ponticum* recorded to represent 50% of the understorey.

Little Bladen's Wood LWS (Section G)

4.2.9 Little Bladen's Wood LWS is approximately 5 ha in area, it is not listed in the English Nature's Ancient Woodland Inventory however their LWS citation indicated ancient woodland features. 0.27 ha of Little Bladen's Wood LWS is within the Order Limits. This LWS comprised a large but partially grubbed out wood and a detached section to the south. The main wood was almost pure hornbeam coppice with very little shrub layer or ground flora beneath. The ground flora contains plant species indicative of ancient woodland such as bluebell and wood meadowgrass *Poa nemoralis*. The structure and floral composition suggested that this is largely, if not completely, ancient woodland.

Rainbow Wood and Ashen Shaw LWS (Section H)

4.2.10 Rainbow Wood and Ashen Shaw combine to form one LWS. The woodlands are within the Order Limits and appear to be small ancient woodland fragments. Neither of these are listed in the English Nature's Ancient Woodland Inventory likely due to their small size (Rainbow Wood is 2.2 ha and Ashen Shaw is a small 0.5 ha

fragment), however, surveys undertaken for the Lower Thames Crossing project determined that these woodlands were ancient woodland.

4.2.11 Rainbow Wood is an overgrown coppice of sweet chestnut, with hazel, field maple and a canopy of pedunculate oak, wild cherry *Prunus avium* and ash. 0.13 ha of Rainbow Wood is within the Order Limits.

4.2.12 Ashen Shaw had a canopy mainly comprising pedunculate oak, ash and field maple. Hornbeam coppice found on the edge of the wood had old coppice stools that suggested the woodland is ancient in origin. 0.14 ha of Ashen Shaw is within the Order Limits.

Table A8.1.6 List of ancient woodlands within the Study Area

Project Section(s)	Ancient Woodland[1]	Distance from Order Limits (m)	Direction
A	Bunwell Wood	106.3	North-west
B	**Round Wood [2]**	**0.0**	**Within the Order Limits**
B	Elm's Grove [2]	40.3	South-west
B	Keyfield Groves	120.8	North-west
B	Middle Wood (Offton)	15.0	North-east
B	Somersham Park	0.0	Adjacent to the Order Limits
B	Bullen Wood	0.0	Adjacent to the Order Limits
B	Lower Wood	4.0	North-west
B	**Miller's Wood**	**0.0**	**Within the Order Limits**
B	Great Newton Wood	0.0	Adjacent to the Order Limits
B	Little Newton Wood	2.7	North-west
B and C	Burstall Long Wood	3.3	North-east
C	Wenham Thicks	5.0	South-east
C	Squires Wood	148.7	North-west
C	Brimlin Wood	2.0	West
D	Fiddler's Wood	0.0	Adjacent to the Order Limits
D	Aldhamhall Wood	11.9	South-east
D	Church House Wood	3.8	North-west

[1] Ancient woodland's in bold denote those which are within the Order Limits.

[2] Part of Round Wood and Elm's Grove CWS

Project Section(s)	Ancient Woodland[1]	Distance from Order Limits (m)	Direction
D	Harrow Wood LWS	0.0	Adjacent to the Order Limits
D	Stonefield Strip LWS	8.2	South-east
E	Sandy Wood	6.9	South-west
E	Troys Wood	146.6	South-east
E	Upney Wood LWS	194.9	North-west
E	Hallhook Row	0.00	Adjacent to the Order Limits
E	Galleycable Wood	148.6	South-east
E	**Rivenhall Thicks**	**0.0**	**Within the Order Limits**
E and F	Mann/Parson's Woods	0.1	Adjacent to Order Limits[3]
F	Lyonshall Wood	16.5	South
F	Border Wood LWS	9.0	North-west
F	Bushy Wood	0.4	South-west
F	Bushey Wood	21.6	North-east
F	**Writtle - Writtlepark Woods**	**0.0**	**Within the Order Limits**
F	Writtle-James Spring	3.7	West
F	Lady Grove	191.1	South-east
F	Chapel Wood	37.1	East
F	Sparrowhawk Wood	12.2	North-west
F	Sheepcotes Wood	3.9	South-east
F	Osbornes Wood	5.1	South-east
G	Clapgate Wood	1.7	North
G	Harespring Wood	60.2	North-west
G	Cock Wood/ Collins Shaw	198.5	South-west
G	Park Hill Wood	196.6	North-west
G	Friern Manor Wood	44.6	North-east
G	Primstock LWS	0.3	North
G	Spring Wood (Brentwood) LWS	32.4	South

[3] This ancient woodland GIS layer shows a very small part of the LWS within the Order Limits, however this appears to be a mapping/scale error, as the small part of the designation within the Order Limits is an arable field.

Project Section(s)	Ancient Woodland[1]	Distance from Order Limits (m)	Direction
G	St Margarets Wood and Lane LWS	0.0	LWS is within the Order Limits, but woodland is 30 m west
G	Round Wood LWS	4.0	North-west
G	Botneyhill Woods LWS	8.4	South
G	James's Wood	177.7	South
G	**Little Bladen's Wood**	**0.0**	**Within the Order Limits**
H	**Ashen Shaw & Rainbow Wood**	**0.0**	**Within the Order Limits**

Habitats of Principal Importance in England

4.2.13 The following habitats are shown on the Priority Habitats Inventory (Natural England, 2023) on land within the Order Limits:

- Deciduous woodland
- Good quality semi-improved grassland
- Coastal and floodplain grazing marsh
- No main habitat but additional habitats present (this represents the HPI open mosaic habitat on previously developed land; OMHPDL).

4.2.14 The following habitats shown on the Priority Habitats Inventory (Natural England, 2023) are present outside the Order Limits but within the Study Area (200 m from the Order Limits):

- Lowland dry acid grassland
- Lowland meadows
- Lowland fens
- Lowland calcareous grassland
- Lowland heathland
- Traditional Orchard
- Purple moor-grass and rush pastures.

4.2.15 The Priority Habitat Inventory identifies that there are likely inaccuracies in the habitat mapping which was primarily completed through historical and aerial map assessment rather than physical survey.

4.2.16 It is apparent from a review of the data collected for the Project that many of the areas identified as Priority Habitat such as coastal and floodplain grazing marsh support arable cropland, the extent of Priority Habitat within the Order Limits has been verified as part of the UKHab surveys.

Protected/Notable Plant and Fungi Species

4.2.17 There was one record of a protected/notable fungi (sandy stilt puffball *Battarrea phalloides*) within 2 km of the Order Limits, a SPI and a species specially protected under Schedule 8 of the WCA. This record was in Norfolk and not within the Order Limits. This fungus is associated with sandy soils and mostly recorded on roadsides and adjacent to hedgerows.

4.2.18 As discussed below, the desk study returned records of protected/notable plants and bryophytes. The locations of records within the Order Limits are shown on Figure A8.1.5: Protected/Notable Plant Species in Annex A, with the plants listed within the 2 km Study Area in Annex B.

4.2.19 Records for 78 protected/notable plant species were returned from the LERCs under the following designations: England Red Listed Species by Botanical Society of Britain and Ireland (BSBI, 2014) (near threatened to endangered), nationally scarce and nationally rare excluding red listed taxa (JNCC, 2023), s41 of the NERC Act 2006 and Schedule 8 of the WCA 1981. These species are associated with diverse or valuable habitats that have declined in area in recent years, species of least concern are not currently considered to be in danger of extinction but are likely to indicate that an area supports a valuable habitat.

4.2.20 Only one species of notable bryophyte *Tortula schimperi*, a woodland moss was reported within 2 km of the Order Limits, listed as nationally rare (O.L. Prescott, 2016). It was recorded at five locations, two of those being within the Order Limits; however, both records within the Order Limits were dated the year 2016 and no sightings were identified during field surveys.

Invasive Non-native Plant Species

4.2.21 The desk study returned records of invasive plant species including those listed on Schedule 9 of the WCA. The locations of records within the Order Limits are shown on Figure A8.1.6: Invasive Plant Species (Rev B) in Annex A, with the plants listed within the 2 km Study Area in Annex B.

4.2.22 Nine invasive plant species listed under Schedule 9 of the WCA 1981 were identified by desk study within the Study Area. These were:

- Canadian waterweed *Elodea canadensis* - associated with waterbodies
- New Zealand pigmyweed *Crassula helmsii* - associated with still waterbodies
- Giant rhubarb *Gunnera tinctoria* - associated with waterbodies and wetlands
- Giant hogweed *Heracleum mantegazzianum* - associated with riparian habitats, disturbed ground, and semi-natural areas.
- Japanese knotweed *Fallopia/Reynoutria japonica* - associated with former industrial sites, areas where garden waste has been deposited on road verges and by waterways
- Japanese rose *Rosa rugosa* – found in hedgerows, scrubland, and road verges.
- Rhododendron *Rhododendron ponticum* – associated with woodlands and heathland sites

- Three-cornered garlic *Allium triquetrum* – associated with areas where garden waste has been deposited typically on trackways and hedgerows
- Alexanders *Smyrnium perfoliatum* – associated with woodland edges, shaded areas, and disturbed ground.

4.2.23 19 other invasive species that are not listed under Schedule 9 of the WCA 1981 have been identified by desk study within the Study Area. These plants were introduced to the UK as exotic species and have subsequently been found to have a detrimental effect on biodiversity. Their locations are also shown on Figure A8.1.6: Invasive Plant Species (Rev B) in Annex A.

4.3 Field Survey Results

Cropland

4.3.1 Cropland was the most abundant habitat within the Order Limits, covering 2887.63 ha (77.0%). Majority of this was cereal crops (UKHab code: c1c) covering 2205.43 ha (58.79 %), followed by:

- 566.60 ha of non-cereal crops (UKHab code: c1d)
- 72.13 ha of winter stubble (UKHab code: c1c5)
- 18.63 ha of temporary grass and clover leys (UKHab code: c1b)
- 0.47 ha of horticulture (UKHab code: c1f)
- 4.28 ha of intensive orchards (UKHab code: c1e).

4.3.2 A small portion was categorised as arable field margins, covering 20.09 ha (0.5% of the Order Limits). Whereby they are managed for wildlife, arable field margins are classified as HPI. Table A8.1.7 provides more detail.

Table A8.1.7 Arable field margins identified within the Order Limits

Project Section(s)	Habitat	UKHab Code	Area (ha)	Percentage of Order Limits	Irreplaceable Habitat
D	Tussocky	c1a5	0.07 ha	< 0.01 %	No
D, E, H	Pollen and nectar	c1a6	0.91 ha	0.02 %	No
B, E, F and G	Cultivated annually	c1a7	4.41 ha	0.1 %	No
A, B, C, D, E, F, G	Game bird mix	c1a8	14.70 ha	0.4 %	No

Grassland and Reedbeds

4.3.3 Grassland covered a total of 618.25 ha of the Order Limits (16.48%). 597.01 ha of grassland habitat was not HPI and sub-classified as:

- 279.83 ha of modified grassland (UKHab code: g4)

- 311.82 ha of other neutral grassland (UKHab code: g3c)
- 0.25 ha of bracken *Pterdium aquilinum* (UKHab code: g1c)
- 5.11 ha of other lowland acid grassland (UKHab code: g1d)

4.3.4 The following grassland HPI was present:

- 9.45 ha of lowland dry acid grassland
- 0.89 ha of lowland meadow
- 10.90 ha of Floodplain Wetland Mosaic and Coastal Floodplain Grazing Marsh.

4.3.5 Reedbed habitat covered approximately 0.33 ha of the Project and was largely present in conjunction with a mosaic of other habitats as detailed below.

Lowland Dry Acid Grassland HPI

4.3.6 Lowland dry acid grassland constituted 0.25% of the Order Limits and was recorded in Section C and H. Precise locations are shown on Figure A8.1.1: UK Habitat Map (Rev B) and Figure A8.1.2: Habitats of Principal Importance (Rev B), in Annex A.

Section C

4.3.7 3.73 ha of lowland dry acid grassland HPI was recorded in Section C across three locations, this habitat formed part of a much larger area of semi-natural habitat comprising other lowland acid grassland, swamp, Black Brook stream and lowland mixed deciduous woodland HPI. Survey results are summarised below:

- One area of grassland is directly north of a block of lowland mixed deciduous woodland HPI and is approximately 600 m south-west of temporary construction compound Land south of Dedham Road, north of Langham (JC-CC03) in the underground cable portion of the Project. It was a short, grazed grassland with abundant acid grassland indicator species and minor bramble encroachment. There was abundant common bent *Agrostis capillaris*, sheep's-fescue *Festuca ovina*, sheep's sorrel *Rumex acetosella*, *Polytrichum sp*. moss, early forget-me-not *Myosotis ramosissima* and common stork's-bill *Erodium cicutarium*. Small cudweed *Logfia minima*, a declining species of acid grasslands, was recorded in the south of the grassland. The grassland gradually decreased in quality towards the west, with grasses, bramble and ruderal species (i.e., common nettle and thistles *Cirsium spp*.) dominant to the west of the woodland plantation. Within this more neutral grassland there were patches where the acid character was retained.
- One small area (20 m x 5 m) of lowland dry acid grassland HPI is situated to the south of the lowland mixed deciduous woodland HP and approximately 600 m south of the above grassland, at the top of a slope surrounded by other neutral grassland. The species composition was like that described above.
- One area of grassland was 400 m further east of the first grassland and is approximately 280 m south of temporary construction compound Land south of Dedham Road, north of Langham (JC-CC03). It was located on a slope with minor impact from rabbit *Oryctolagus cuniculus* burrowing. The lower part of the slope at the southern end was dominated by grasses with a patch of rush. To the north there was a flat top which supported acid grassland indicator species but also a high incidence of thistle, musk thistle *Carduus nutans* and common nettle. Typical

species were rat's-tail fescue *Vulpia myuros*, sheep's-fescue *Festuca ovina*, creeping bent *Agrostis stolonifera*, soft-brome *Bromus hordaceus* and meadow fescue *Schedonorus pratensis*. There were also patches of perennial rye-grass *Lolium perenne* and rough meadow-grass *Poa trivialis* at the northern boundary of the field.

Section H

4.3.8 5.72 ha of lowland dry acid grassland was recorded across two locations in Section H which formed part of a larger area of open mosaic habitat on previously developed land (OMH PDL). OMH PDL is characterised by a patchwork of bare ground and other habitats, such as flower-rich meadows, scrub, and wet areas. The individual habitats may not be notable on their own, but together they can create areas of OMH of high biodiversity value. The location of this OMH PDL is shown on Figure A8.1.1: UK Habitat Map (Rev B) and Figure A8.1.2: Habitats of Principal Importance (Rev B), in Annex A.

4.3.9 Within this OMH, the other habitats identified were:

- Lowland meadow
- Mixed scrub (UKHab code: h3h)
- Hawthorn scrub (UKHab code: h3f)
- Lowland mixed deciduous woodland
- Other neutral grassland
- Developed land; sealed surface (UKHab code: u1b)
- Actively worked sand pit quarry or open mine.

4.3.10 One area of lowland dry acid grassland is located to the east of Buckingham Hill Road and forms part of Buckingham Hill LWS, which has been identified in the designated site description as a site of high importance for invertebrates that are associated with a brownfield quarry site. The other area is part of a larger parcel of horse-grazed land to the west of Buckingham Hill Road with large amounts of scattered hawthorn scrub and a large amount of the non-native plant species goat's rue *Galega officinalis*.

Lowland Meadows HPI

4.3.11 Lowland meadow HPI constituted < 0.1% of the Order Limits and was recorded in Section H only, four pockets formed part of the larger OMH PDL as described above. These areas supported an abundance of flowering plants such as oxeye daisy *Leucanthemum vulgare*, lady's bedstraw *Galium verum*, common knapweed *Centaurea nigra*, as well as frequent wild carrot *Daucus carota*, hare's-foot clover *Trifolium arvense* and bladder campion *Silene vulgaris*. The meadows are surrounded by other neutral grassland with patches of mixed scrub and lowland mixed deciduous woodland scattered throughout the area. The locations of the lowland meadow are shown on Figure A8.1.1: UK Habitat Map (Rev B) and Figure A8.1.2: Habitats of Principal Importance (Rev B), in Annex A.

Floodplain Wetland Mosaic and Coastal Floodplain Grazing Marsh HPI

4.3.12 Floodplain Wetland Mosaic and Coastal Floodplain Grazing Marsh (CFGM) constituted 0.29% of the Order Limits and was recorded in Section A, B and C. The location of all CFGM habitat outlined below are shown on Figure A8.1.1: UK Habitat Map (Rev B) and Figure A8.1.2: Habitats of Principal Importance (Rev B) in Annex A.

Section A

4.3.13 2.52 ha of CFGM was recorded in Section A. This habitat is adjacent to Roydon Fen Local Nature Reserve (LNR and CWS). The River Waveney crossed this habitat flowing eastward. Whilst the grassland and swamp plant communities that were sampled in this site do not qualify individually as HPI, they are located within an area that appears to receive regular flood water, it contains ditches and hollows. Consequently, these individual communities form a habitat that would be classified as the HPI CFGM based on JNCC guidelines (JNCC, 2016).

Section B

4.3.14 2.29 ha of CFGM was recorded in Section B. One area supporting this habitat is just south of the CFGM identified in Section A; it was a poor semi-improved grassland of moderate condition. The water table was at, or near, surface throughout the year with open water or saturation of soil at the surface. The appearance and composition of the vegetation closely matches the characteristics of the specific wetland habitat type, therefore meeting the criteria of HPI CFGM based on JNCC guidelines (JNCC, 2016). Two areas of CFGM were located to the south and south-east of this area on the floodplain of a tributary to the River Waveney. One was a soft-rush *Juncus effusus* dominated pasture with rye-grass *Lolium sp.* dominated margins. The other contained a dried-up watercourse channel supporting common reed *Phragmites australis* with soft-rush and yorkshire-fog *Holcus lanatus* dominating the adjacent grassland.

Section C

4.3.15 6.09 ha of CFGM was recorded in Section C at two locations. Reedbed HPI (UKHab code: f2e) covered approximately 0.33 ha of Section C and was largely present in conjunction with the habitats summarised below:

- The first location is an area of CFGM which comprised a large area of swamp around a drying lagoon (not within the Order Limits) with large areas of greater pond-sedge, some reedbed, stands of yellow iris *Iris pseudacorus*, extensive water mint *Mentha aquatica,* gypsywort *Lycopus europaeus* and purple-loosestrife *Lythrum salicaria*. Drier areas were covered by dead vegetation, leaf litter and patches of hawthorn, blackthorn *Prunus spinosa* and bramble scrub, creating a mosaic habitat. The River Stour runs through the habitat, where patches of reedbed were recorded on its banks with stands of common reed *Phragmites australis* and reed canary grass *Phalaris arundinacea* – both being criteria to qualify as reedbed HPI.
- Directly east of the above location, separated by the River Stour, is an area of CFGM which comprised grazed grassland, pools and ditches. The grassland was modified and not considered to be sufficiently diverse to be a valuable grassland habitat. A small community, located in damp soil on the edge of a grazed field alongside a ditch, had abundant greater pond-sedge *Carex riparia* and creeping

bent with frequent curled dock *Rumex crispa* and redshank *Persicaria maculosa*. On balance it was determined that most of the site would not conform to the definition of CFGM as it was too heavily modified, but that the area of swamp habitat was in an area with pools, ditches and grassland that may receive flood water and could be classified as CFGM HPI, it has therefore been classified as such on a precautionary basis.

- Reedbed HPI was recorded within the Black Brook LWS. Fluctuating water levels were associated with the adjacent lake. This habitat was classified as reedbed as it was the closest fit to the wetland habitats available in the Statutory Metric but was not classic reedbed as it was dominated by bulrush *Typha latifolia* and branched bur-reed *Sparganium erectum*, with transition to rushes *Juncus* species.

Heathland and Shrub

4.3.16 25.23 ha of dense scrub habitat (UKHab code: h3) was identified across the Order Limits equating to 0.67% of total habitat surveyed. These comprised:

- 0.55 ha of blackthorn scrub (UKHab code: h3a)
- 6.05 ha of bramble scrub (UKHab code: h3d)
- 0.1 ha of gorse *Ulex* spp. scrub (UKHab code: h3e)
- 5.45 ha of hawthorn scrub
- 12.80 ha of mixed scrub
- 0.28 ha of willow *Salix* spp. scrub (UKHab code: h3j).

Ponds and Lakes

4.3.17 78 waterbodies were identified within the Order Limits, these comprised:

- Four ornamental ponds (UKHab code: r1g: 46)
- 64 ponds which were HPI
- Ten reservoirs (UKHab code: r1a6).

4.3.18 HPI pond habitat is defined as habitat that supports species of high conservation importance, exceptional assemblage of key biotic groups or their high ecological quality. One pond was confirmed to be a priority habitat due to the presence of great crested newt *Triturus cristatus* eggs, a species that is protected under the WCA and the Habitats Regulations. The pond is in Section D, is surrounded by cropland and is approximately 100 m south-west of pylon TB62's proposed position. The other 63 ponds within the Order Limits have been classified as HPI on the precautionary basis that they may also support valuable fauna.

4.3.19 Ornamental ponds / lakes are man-made or artificially constructed, designed primarily for aesthetic or decorative purposes. Unlike natural ponds, ornamental ponds are typically maintained to control water quality and appearance and therefore may not necessarily support the same range of biodiversity as natural aquatic habitats. The four ornamental ponds identified within the Order Limits were in Sections C and D, they did not meet the criteria for 'other eutrophic standing water' (UKHab code: r1a6) due to being less than 2 ha in size.

4.3.20 The Order Limits (Section C) cross Ardleigh Reservoir which is a large man-made reservoir owned by Anglia Water that supplies drinking water. The remaining nine 'reservoirs' are classified as such due to being man-made, too big to be classified as a pond (>2 ha), and not HPI. They likely supply water for agricultural purposes. The locations of all ponds within the Order Limits are shown on Figure A8.1.1: UK Habitat Map (Rev B) and Figure A8.1.2: Habitats of Principal Importance (Rev B), and the location of reservoirs are shown on Figure A8.1.1: UK Habitat Map (Rev B) in Annex A.

Watercourses

4.3.21 There is a total of 555 watercourses which have the potential to be affected by the Project, they include:

- Rivers (Priority Habitat)
- Culverts (UKHab code: u1, 851)
- Ditches (UKHab code: r, 50).

Rivers and Streams

4.3.22 35 distinct watercourses were identified within or intersecting the Order Limits, this consisted of 45 distinct sections (subreaches) of watercourses as summarised in Table A8.1.8. The locations of all river and streams within the Order Limits are shown on Figure A8.1.7: Linear Habitats Survey Results (Rev B) and Figure A8.1.2: Habitats of Principal Importance (Rev B) in Annex A.

4.3.23 According to UKHab (UKHab Ltd, 2023), to qualify as a Priority River Habitat, a watercourse must meet one or more of seven criteria, two of those being:

- Chalk rivers; and/or
- The river contains species included under Annex II of the European *Habitats Directive* 1992, Biodiversity Action Plan (BAP) priority species (JNCC, 1995 – 2019), and/or invertebrate species that are strongly indicative of river shingle.

4.3.24 There are two chalk rivers (UKHab code: r2a, 51) located within the Order Limits, crossed by the Project at three sections, these are the River Tas (Section A) and River Waveney (Section A / B). Chalk rivers are an Annex I Priority Habitat under the *Habitats Directive* 1992 and were listed as a Priority Habitat under the UK BAP (JNCC, 1995 - 2019). The total length of river and stream habitat within the Order Limits totalled 7.14 km, of which 0.52 km was chalk river.

4.3.25 40 rivers and streams which are crossed by the Project had confirmed/ potential presence of either otter *Lutra lutra,* water vole *Arvicola amphibius*, or fish species of principal importance in England (SPI) (see below, Table A8.1.8). Otter and water vole are both priority species identified as of principal importance in England, in accordance with requirements of the NERC Act 2006. These are based on the UK Biodiversity Action Plan Priority Species. Additionally, otter is listed as an Annex II species under the *Habitats Directive* 1992. Some of these watercourses also supported fish species that are priority species identified as of principal importance in England, in accordance with requirements of the NERC Act 2006.

4.3.26 The remaining six rivers and streams which are crossed by the Project are also categorised as a Priority River Habitat, this is on a precautionary basis that they may also support protected or priority species.

4.3.27 All impacted rivers and streams have been condition assessed as part of MoRPh surveys; these results can be found in the respective report (see Appendix B of the Biodiversity Net Gain Report, document reference 7.1).

Table A8.1.8 Rivers and streams crossed by the Project

Project Section(s)	Watercourse ID	Watercourse Name	Watercourse Type	UKHab Category	Justification for Classification as Priority Habitat
A	182	Tributary of River Tas 2	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence and SPI fish species - brown trout *Salmo trutta*, European eel *Anguilla anguilla*
A	3	Tributary of River Tas 1	Stream	Priority River (UKHab code: r2a)	SPI fish species - brown trout, European eel
A	120	River Tas	Priority River	Priority River (UKHab code: r2a)	Chalk River and confirmed otter presence
A	16	Frenze Beck	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and potential water vole presence
A	124[4]	Tributary of River Waveney 1	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence
A / B	125	River Waveney	Priority River	Priority River (UKHab code: r2a)	Chalk River, confirmed otter presence and potential water vole presence
A	126	River Waveney	Priority River	Priority River (UKHab code: r2a)	Chalk River, confirmed otter presence and confirmed water vole presence
B	556	Tributary of River Waveney 2	Stream	Priority River (UKHab	Precautionary measure

[4] This watercourse is no longer within the Order Limits following a change in Project design.

Project Section(s)	Watercourse ID	Watercourse Name	Watercourse Type	UKHab Category	Justification for Classification as Priority Habitat
				code: r2a)	
B	251	Tributary of River Waveney 2	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence
B	128 (a and b)	Tributary of River Waveney 2	Stream	Priority River (UKHab code: r2a)	Confirmed water vole presence
B	25	Tributary of River Dove	Stream	Priority River (UKHab code: r2a)	Confirmed water vole presence
B	N/A	Tributary of River Dove 2	Stream	Priority River (UKHab code: r2a)	Precautionary measure
B	27	River Dove	Other River	Priority River (UKHab code: r2a)	SPI fish species - European Eel
B	30	River Gipping	Other River	Priority River (UKHab code: r2a)	Confirmed water vole presence and SPI fish species - European Eel
B	559	River Gipping	Other River	Priority River (UKHab code: r2a	Confirmed otter and water vole presence
B	134	Tributary of River Gipping	Stream	Priority River (UKHab code: r2a)	Confirmed water vole presence and SPI fish species - European Eel
B	32	Wattisham Watercourse	Stream	Priority River (UKHab	Confirmed otter presence and confirmed water vole

Project Section(s)	Watercourse ID	Watercourse Name	Watercourse Type	UKHab Category	Justification for Classification as Priority Habitat
				code: r2a)	presence and SPI fish species - European Eel
C	139	Belstead Brook	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence and SPI fish species – brown trout
C	140	Spring Brook	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence
C	145	Tributary of River Brett	Stream	Priority River (UKHab code: r2a)	Potential otter field signs and SPI fish species – brown trout, spined loach *Cobitis taenia*
C	146	Tributary of River Stour	Stream	Priority River (UKHab code: r2a)	SPI fish species – brown trout, spined loach
C	41(a)	River Stour	Navigable River	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence
C	42	River Stour	Navigable River	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence
C	45	Black Brook	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence
C	46	Tributary of Black Brook	Stream	Priority River (UKHab code: r2a)	Precautionary measure

Project Section(s)	Watercourse ID	Watercourse Name	Watercourse Type	UKHab Category	Justification for Classification as Priority Habitat
D	55	Tributary of River Colne	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and SPI fish species – European eel
D	183	River Colne	Other River	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence and SPI fish species – European eel
D	60	Roman River	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and potential water vole presence and SPI fish species – brown trout, European eel
E	62	River Blackwater	Other River	Priority River (UKHab code: r2a)	Confirmed otter presence and potential water vole presence and SPI fish species – brown trout, European eel
E	67	Tributary of River Blackwater	Stream	Priority River (UKHab code: r2a)	Potential otter field signs and SPI fish species – brown trout, European eel
E	157	River Brain	Other River	Priority River (UKHab code: r2a)	Confirmed otter presence
E	68	River Brain	Other River	Priority River (UKHab code: r2a)	Potential otter field signs
E	71	Tributary of River Ter	Stream	Priority River (UKHab code: r2a)	Potential water vole presence
F	73	River Ter	Other River	Priority River	Potential water vole presence and SPI fish

Project Section(s)	Watercourse ID	Watercourse Name	Watercourse Type	UKHab Category	Justification for Classification as Priority Habitat
				(UKHab code: r2a)	species – European eel
F	398	River Chelmer	Other River	Priority River (UKHab code: r2a)	SPI fish species – brown trout, European eel
F	78	River Can	Other River	Priority River (UKHab code: r2a)	Confirmed otter presence, SPI fish species – European eel
F	79	Roxwell Brook	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and confirmed water vole presence
F	89	Tributary of River Wid	Stream	Priority River (UKHab code: r2a)	Precautionary measure
F	81	Tributary of Roxwell Brook	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence and potential water vole presence
F	N/A	Unnamed, touches Order Limits	Stream	Priority River (UKHab code: r2a)	Precautionary measure
G	93	River Wid	Other River	Priority River (UKHab code: r2a)	Precautionary measure
G	94	Stock Brook	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence

Project Section(s)	Watercourse ID	Watercourse Name	Watercourse Type	UKHab Category	Justification for Classification as Priority Habitat
G	95	River Wid	Other River	Priority River (UKHab code: r2a)	Potential water vole presence
G	97	River Wid	Other River	Priority River (UKHab code: r2a)	Confirmed otter presence
G	98	Havering's Grove Brook	Stream	Priority River (UKHab code: r2a)	Confirmed otter presence
G	100	Havering's Grove Brook	Stream	Priority River (UKHab code: r2a)	Potential water vole presence

Ditches

4.3.28 There were 40.36 km of ditch within the Order Limits, 0.2 km of these were culverts.

4.3.29 There were 61.94 km of ditch that formed part of the structure of a hedgerow (UKHab code: h2a, 50), of these, 36.70 km were also associated with trees.

4.3.30 3.09 km of ditch were associated with a line of trees, of these, 1.37 km were ecologically valuable.

4.3.31 Ditches which are flowing streams as tributaries to a larger river body are listed in Table A8.1.8 above, these constituted approximately 4.4 km of the Order Limits.

4.3.32 The locations of ditches are shown on Figure A8.1.7: Linear Habitat Survey Results (Rev B) in Annex A.

Sparsely Vegetated Land

4.3.33 17.06 ha of habitat within the Order Limits was tall forbs (UKHab code: g, 16) and ruderal/ephemeral herbs (UKHab code: g, 81). The majority being ruderal/ephemeral (12.97 ha), whilst tall forbs covered a total of 4.09 ha.

4.3.34 The UKHab code g, 16 mostly relates to grassland that contain patches of common nettle. The UKHab code g, 81 relates to unmanaged weedy areas in arable land, mineral extraction sites and the built environment. The latter habitat type largely comprises early successional communities consisting of stress tolerant species or species tolerant of high nutrient levels.

Urban

4.3.35 This broad habitat type was the third most abundant of the Order Limits, covering 120.07 ha of land (3.2%), it was present in all Project Sections. This comprised the following UKHab codes:

- 3.56 ha of actively worked sand pit quarry or open mine (UKHab code: u1, 85)
- < 0.01 ha of allotments (UKHab code: u1, 616)
- 7.81 ha of artificial unvegetated, unsealed surface (UKHab code: u1c)
- 8.98 ha of bare ground (UKHab code: u1, 510)
- 5.22 ha of built linear features (UKHab code: u1e)
- 90.62 ha of developed land, sealed surface
- 0.07 ha of introduced shrub (UKHab code: u1, 847)
- 1.51 ha of vacant or derelict land (UKHab code: u1, 82)
- 1.68 ha of vegetated garden (UKHab code: u1, 828)
- 0.61 ha of open mosaic habitat on previously developed land.

4.3.36 The UKHab code: u1b was the most abundant urban habitat type which is the result of the soil surface becoming sealed with impervious materials because of urban development and infrastructure.

4.3.37 UKHab code: u1, 85 habitat refers to one quarry pit which is partially situated in Section A. The other quarry is the previously discussed OMH PDL habitat in Section H, which forms a part of the Buckingham Hill LWS and is a large, deep quarry with an associated sandy, lowland dry acid grassland.

Woodland and Forest

4.3.38 78.58 ha of woodland is within the Order Limits which equates to 2.09% of surveyed habitat, spread across all Project Sections. Table A8.1.9 provides an overview of the woodland habitat types present within the Order Limits and their respective total area. Targeted arboricultural surveys provide a more comprehensive assessment of all impacted trees and woodland such as the presence of ancient and/or veteran trees, as detailed in Appendix 13.6: Arboricultural Impact Assessment (document reference 6.13.A6).

Table A8.1.9 UKHab woodland habitats identified within the Project

UKHab Level 4 Name	UKHab Level 4 Code	Total Area (ha)	Percentage of Order Limits	HPI
Lowland Mixed Deciduous	w1f	62.51 ha	1.66%	Yes
Other Coniferous Woodland	w2c	0.41 ha	< 0.01%	No
Other Scots Pine Woodland	w2b	0.02 ha	< 0.01%	No
Other Woodland (Broadleaved)	w1g	13.85 ha	0.4%	No
Other Woodland (Mixed)	w1h	1.56 ha	0.04%	No

UKHab Level 4 Name	UKHab Level 4 Code	Total Area (ha)	Percentage of Order Limits	HPI
Wet Woodland	w1d	0.23 ha	< 0.01%	Yes

Lowland Mixed Deciduous Woodland HPI

4.3.39 As detailed in Table A8.1.9, most of the woodland habitat present within the Order Limits has been classified as the HPI lowland mixed deciduous woodland (UKHab code: w1f). This woodland is associated with a wide spectrum of soil conditions, from highly acidic to base-rich, and is predominantly found within enclosed wet and dry landscapes. Most of the lowland mixed deciduous woodland scored moderate to good in the condition assessment, with only a handful scoring poorly.

4.3.40 Lowland mixed deciduous woodland HPI was found in all Project Sections. Some woodlands required NVC surveys to better inform whether the woodland supported HPI, detailed results of these surveys can be found in Appendix 8.2: National Vegetation Classification Report (document reference: 6.8.A2).

Ancient Woodland (Irreplaceable Habitat)

4.3.41 A total of six ancient woodland sites are present within, or partially within, the Order Limits, with habitat descriptions provided in Section 4.2. This totals approximately 1.11 ha; however, no loss of ancient woodland is proposed to facilitate the Project. Detailed and bespoke mitigation design has aimed to avoid effects to irreplaceable habitat, the Ancient Woodland and Veteran Tree Management Strategy is presented in Appendix B of the Outline LEMP (document reference 7.4).

Wet Woodland HPI

4.3.42 Wet woodlands are semi-natural woodlands which thrive in poorly drained or seasonally flooded soils, species such as willow, birch *Betula sp.,* and alder *Alnus* sp. are common. 0.23 ha of wet woodland was identified within the Order Limits, found in Section A, B and G.

Section A

4.3.43 0.05 ha of wet woodland was identified in Section A, it was just south of Westbrook Green and Frenze Beck stream, approximately 120 m south-west of pylon RG73. The woodland showed significant inundation, with numerous trees in standing water, but also raised sub sections. Willow and alder dominated, with hazel and individual ash trees where it was drier. Most trees were mature with numerous veteranising crack willow *Salix x fragilis* trees. The ground layer was dominated by common nettle with lord's-and-ladies *Arum maculatum* and cleavers *Galium aparine* occasional. Only the northeastern corner of this woodland is within the Order Limits.

Section B

4.3.44 0.1 ha of wet woodland was identified in Section B, two small parcels sat south of the River Gipping between Pylon RG165 and RG166. The woodland/carr were entirely dominated by young dense stands of alder with no understorey present. Ground flora was dominated by common nettle and areas of bare ground due to shading. Livestock grazing was evident. No NVC survey was undertaken as it was considered

to be a poor example of wet woodland due to the young age of the trees, homogeneity of the habitat and the lack of valuable woodland ground flora species. Nevertheless, this woodland is wet woodland HPI.

Section D

4.3.45 0.04 ha of wet woodland was identified in Section D; this was an osier *Salix viminalis* plantation bordered to the east and north of the River Colne and approximately 110 m south-west of the proposed location for pylon TB50.

Section G

4.3.46 0.04 ha of wet woodland was identified in Section G, comprising two woodland blocks immediately north-west of the River Wid and Pylon TB202 and TB203. They were not particularly species rich and mainly consisted of a young willow canopy, no distinct understorey with common nettle and thistle *Cirsium sp.* forming the field layer; with a large non-veteran pedunculate oak in the centre of one of the woodlands. It was identified as wet woodland HPI but constituted a poor example of this habitat.

Parkland, Scattered and Lines of Trees

4.3.47 There were 19.38 km of lines of trees (UKHab code: w, 33) identified within the Order Limits, of these:

- 4.89 km were ecologically valuable[5], of which 1.37 km were associated with a bank or ditch
- 14.49 km were not ecologically valuable, of which 3.09 km were associated with a bank or ditch.

4.3.48 Appendix 13.6: Arboricultural Impact Assessment (document reference 6.13.A6) identifies the trees that are within the Order Limits. An Ancient Woodland and Veteran Tree Management Strategy is presented in Appendix B of the Outline LEMP (document reference 7.4).

Hedgerows

4.3.49 466 hedgerows were identified as potentially meeting the criteria of an 'important' hedgerow under the Hedgerows Regulations 1997 within the selected Study Area (hedgerows proposed for either temporary or permanent removal).

4.3.50 Of the potentially important hedgerows, 77 were initially chosen for a targeted Hedgerows Regulations survey as these would be impacted by the construction works. 34 hedgerows within the Order Limits were identified as 'important' in terms of the biodiversity criteria under the Regulations (the Wildlife and Landscape Criteria in the regulations). The locations of these hedgerows are presented in Appendix 8.3: Hedgerows Regulations Report (document reference 6.8.A3).

4.3.51 Whilst the Hedgerows Regulations Assessment looked at a subset of hedgerows, all hedgerows within the Order Limits were classified and condition assessed under

[5] Lines of trees are classified as ecologically valuable if there is at least one mature, veteran, or ancient tree per 30 m of length (UKHab Ltd., 2023).

UKHab (UKHab Ltd, 2023). Results found 150.15 km of hedgerow within the Order Limits, of these:

Native hedgerows:

- 149.56 km of hedgerows were native, and of these
  - 17.98 km were native and associated with a bank or ditch
  - 33.85 km were native with trees, and 23.27 km were native with trees but also associated with a bank or ditch.

Species rich native hedgerows:

- 33.61 km of the native hedgerows were exceptionally species rich[6], and of these
  - 7.26 km were associated with a bank or ditch and exceptionally species rich
  - 8.69 km were exceptionally species rich and had trees, and 13.43 km were exceptionally species rich, had trees, and were also associated with a bank or ditch.

Non-native hedgerows:

- 0.58 km were non-native and ornamental hedgerows (UKHab Code: h2b).

Invasive Species

4.3.52 There were 55 findings of invasive, non-native species listed under Schedule 9 of the WCA throughout the ecological surveys within and surrounding the Order Limits. Of the 51 findings, 19 were within the Order Limits. Figure A8.1.6: Invasive Plant Species (Rev B) in Annex A, shows the locations of sightings within the Order Limits.

4.3.53 The most recorded and abundant species within the Order Limits was Himalayan balsam *Impatiens glandulifera* (11 sightings), followed by rhododendron (one sighting), Japanese knotweed (three sightings), giant hogweed *Heracleum mantegazzianum* (one sighting), and Australian swamp stonecrop *Crassula helmsii* (three sightings). Although common ragwort *Jacobaea vulgaris* is not listed on Schedule 9 it is a threat to livestock and was recorded in one location, it is likely that this species is present elsewhere in the Order Limits and was not recorded by surveyors as it is not a Schedule 9 species.

Groundwater Dependent Terrestrial Ecosystems

4.3.54 GWDTE are ecosystems that rely on groundwater for their water requirements, with respect to this Project they include the following HPI:

- Rivers
- Wet woodland
- Lowland fens

[6] Species rich, native hedgerows are defined as having five or more UK-native or archaeophyte woody species in a 30 m section (UKHab Ltd., 2023).

- Reedbeds
- Coastal and floodplain grazing marsh
- Eutrophic standing water (reservoirs)
- Ponds.

4.3.55 There are five SSSIs that support GWDTE that are within 2 km of the Order Limits, these are listed in Annex C. Of these, four are hydrologically linked to the Project, namely Aslacton Parish Land (Section A), Forncett Meadows (Section A), Flordon Common (also part of the Norfolk Valley Fens SAC) (Section A), and Shelfanger Meadows (Section A), shown on Figure A8.1.4: Groundwater Dependent Terrestrial Ecosystems in Annex A.

4.3.56 There are seven LNRs that support GWDTE that are within 2 km of the Order Limits as listed in Annex D. Of these, six are hydrologically linked to the Project, namely Roydon Fen (also a CWS, in Section A), Bramford Meadows (also CWS in Section B), Needham Lake (Section B), Brockwell Meadows (Section E), Chelmer Valley Riverside (Section F) and Hutton Country Park (also a LWS, in Section G)

4.3.57 There are 52 CWSs that support GWDTE that are within 2 km of the Order Limits as listed in Annex E. Of these, 28 are hydrologically linked to the Project. These are listed in Table A8.1.10 and shown on Figure A8.1.4: Groundwater Dependent Terrestrial Ecosystems in Annex A.

Table A8.1.10 CWS that support GWDTE with hydrological linkage to the Project

Project Section	Site Name	GWDTE	Location in Relation to Project
A	Roydon Fen	Wet woodland and lowland fen	0.2 km downstream of where River Waveney is crossed by overhead line [also LNR]
B	Bramford Meadows	Grassland and scrub alongside river	More than 4.5 km downstream of location where the haul road and overhead line cross the watercourse [also LNR].
A	Bressingham Fen	Wet woodland	3 km upstream of location where overhead line crosses the River Waveney.
A	Brick Kiln Lane, Bunwell Hill	Ponds and marshy grassland	0.6 km downstream of location where overhead line and haul road crosses the River Tas that feeds this CWS.
A	Brock's Watering	Wet grassland and stream	0.4 km downstream of location where overhead line and haul road crosses the watercourse which feeds this CWS.
A	Bunwell Fen	Wet woodland	2.3 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.

Project Section	Site Name	GWDTE	Location in Relation to Project
A	Carlton Rode Fen	Marshy grassland and fishing ponds	0.3 km upstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Dunston Common	Small pond	Over 15 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Flordon Meadow (East)	Marshy grassland	0.5 km upstream of location where overhead line crosses a watercourse which is tributary to the River Tas.
A	Flordon Meadow (West)	Marshy grassland	0.3 km upstream of location where overhead line crosses a watercourse which is tributary to the River Tas.
A	Hapton Common	Marshy grassland and fast-flowing stream	1.6 km downstream of location where overhead line crosses a watercourse which is tributary to the River Tas.
A	Horseford Meadow	Seasonally flooded grassland during winter	More than 7 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Muir Lane Meadow	Small area of marshy grassland	4 km upstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Tas Pond	Pond	3 km downstream of location where overhead line and haul road crosses the River Tas which may feed this CWS.
A	Tas Valley	Marshy Grassland	5.7 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS. There is also a tributary watercourse of the River Tas which the Project crosses 4.3 km downstream of this CWS.
A	The Carr	Damp grassland and swamp	2.8 km and 3.6 km (respectively) downstream of locations where overhead line and haul road crosses two watercourses which confluence and feed this CWS.

Project Section	Site Name	GWDTE	Location in Relation to Project
A	The Grange, Wreningham	Large pond	1.6 km upstream of location where overhead line crosses a watercourse which is a tributary to the River Tas.
A	Wreningham Marsh	Marshy grassland and wet meadow	2 km upstream of location where overhead line crosses a watercourse which is a tributary to the River Tas.
B	Hall Farm Meadow	Wet meadow	2 km upstream of location where overhead line crosses the River Waveney.
B	Horse Fen	Wet grassland	2.7 km upstream of location where overhead line crosses the River Waveney.
B	River Gipping (Sections)	River	The Project directly crosses the River Gipping with an overhead line.
B	River Waveney (Sections)	River	The Project directly crosses the River Waveney at two sections via a single span bridge for the haul road.
B	Thrandeston Marsh	Marshy grassland	New underground cable centreline would cross through this CWS as part of the UKPN overhead line mitigation works (PKF route).
B	Topcroft Farm Meadows	Wet woodland and marshy grassland	3 km upstream of location where overhead line crosses a watercourse which feeds this CWS.
C	Higham Meadow	Wet meadow and stream	Drainage outfall (reference WC_2011) into a stream which is Tributary of the River Brett, situated within this CWS.
C	River Brett (Sections)	River	The River Brett is a tributary to the River Stour and they confluence prior to the Project crossing the River Stour at two locations via directional drilling for underground cabling.
C	Springhill Meadows	Stream	2.8 km downstream of location where overhead line crosses a watercourse which feeds this CWS.

Project Section	Site Name	GWDTE	Location in Relation to Project
C	Wasses Marshes	Grazing marsh	0.4 km upstream of location where the Project crosses the River Stour via directional drilling for underground cabling.

4.3.58 There are 45 LWS that support GWDTE that are within 2 km of the Order Limits as listed in Annex F. Of these, 26 are hydrologically linked to the Project and are listed in Table A8.1.11 and shown on Figure A8.1.4: Groundwater Dependent Terrestrial Ecosystems in Annex A.

Table A8.1.11 LWS that support GWDTE with hydrological linkage to the Project

Project Section	Site Name	GWDTE	Location in Relation to Project
C	Ardleigh Reservoir Grassland	Reservoir edge and wet woodland species	1.5 km away along reservoir edge from location where overhead line crosses Ardleigh Reservoir.
C	Black Brook	Wet woodland	West section of LWS 0.1 km upstream of location where underground cable and haul road crosses the Black Brook and east section of LWS is 0.2km downstream. East section is also the location of two surface water and attenuation drainage lines.
C	Bridges Farm	Alluvial floodplain pastures	2.2 km downstream of location where the underground cable crosses the River Stour that feeds this LWS via trenchless crossing.
C	Langham Water Works	Wet woodland, lakes and water courses	2 km upstream of location where the underground cable crosses the River Stour, via trenchless crossing methodology.
C	The Coombs	Wet stream valley and wet woodland	1 km downstream of location where the underground cable crosses the River Stour, via trenchless crossing methodology.
C	Wall's Wood	Wet woodland and Salary Brook	2.2 km upstream of location where overhead line crosses Ardleigh Reservoir.
D	Fordham Bridge Meadow	River floodplain with swamp habitat	0.9 km downstream of location where overhead line crosses the River Colne.

Project Section	Site Name	GWDTE	Location in Relation to Project
D	Marks Tey Brick Pit	Wet woodland, marsh, open water habitats	0.4 km downstream of location where haul road and overhead line crosses the Roman River.
D	West Bergholt Alderwoods	Wet woodland	0.7 km downstream along a tributary of the River Colne from where haul road and overhead line cross the waterbody.
E	Blackwater Plantation	Marsh and river	3.2 km upstream of location where overhead line and haul road cross the River Blackwater.
E	Buckler's Farm Wood	Stream	4.3 km upstream of location where overhead line and haul road cross the Roman River.
E	Coggeshall Hall Farm	Lowland fen vegetation and complex riverine habitat	LWS intersected in the middle by overhead line and haul road where they cross the River Blackwater.
E	Feering Marsh	Marshy grassland	1.2 km downstream of location where overhead line and haul road cross the River Blackwater.
E	Hoo Hall Meadows	Wet marshy grassland and stream	1.7 km downstream of location where overhead line and haul road cross a River Blackwater tributary.
E	Tilkey Road, Coggeshall	Tall-herb marsh and brook	4.1 km upstream (on tributary) of location where overhead line and haul road cross the River Blackwater.
E	Witham Marsh	Sedge-beds, rough marshy grassland, springs, river	1.9 km downstream of location where haul road crosses the River Brain. 2.5 km downstream of location where overhead line crosses the River Brain.
F	Border Wood Lake	Lake and wet woodland	0.3 km stream connecting the LWS to where the overhead line passes.
F	Broomfield – Little Waltham Chelmer	Riverine habitat	0.9 km downstream of location where overhead line crosses the River Chelmer.
F	Langleys Deer Park	Coastal and Floodplain Grazing Marsh and River	0.1 km upstream of location where overhead line crosses the River Chelmer.
F	Little Waltham Village Meadows	Floodplain Grazing Marsh	0.5 km downstream of location where overhead line crosses the River Chelmer.
F	Lowley's Farm Meadow	Coastal floodplains	0.06 km upstream of location where haul road crosses River Ter, and

Project Section	Site Name	GWDTE	Location in Relation to Project
			0.2 km upstream of location where overhead line crosses River Ter.
F	Writtle Bridge Meadow	Floodplain meadow	3.3 km downstream of location where overhead line crosses the River Can.
G	Hutton Country Park	Marshy and wetland habitat	2 km upstream of location where haul road crosses the River Wid.
G	Little Burstead Wood	Stream	3.6 km downstream of location where overhead line crosses the River Crouch.
G	Stock Brook Meadow	Damp meadow	1.8 km upstream of location where overhead line and haul road crosses Stock Brook.
G	The Wilderness	Wet woodland and stream	3.4 km downstream of tributary of the River Crouch and then 2.4 km upstream of location where haul road and overhead line crosses.

4.4 Incidental Records

4.4.1 There were five incidental sightings of protected plant species within the Order Limits, these are summarised in Table A8.1.12. All relate to Jersey Cudweed *Luphangium luteoalbum,* a plant that is often associated with waste ground and is spreading in the UK potentially because of climate change and is no longer considered to be native to the UK. It should be noted that all plant species are protected from picking and uprooting without the landowner's permission under Section 13 of the WCA, but it is illegal to pick or uproot species like Jersey Cudweed that are listed under Schedule 8 of the WCA. As mentioned, no sightings of *Tortula schimperi* were recorded within the Order Limits during field surveys.

Table A8.1.12 Protected species identified during surveys

Project Section	Number of Sightings and Ordnance Survey Grid Reference (OSGR)	Species
A	OSGR: TG 21901 02274	Jersey Cudweed
B	OSGR: TM 09663 45927	
C	OSGR: TM 06054 29385	
C	OSGR: TM 05962 29443 (over 20 plants seen)	
C	OSGR: TM 06726 29191 (hundreds of plants)	

5. Conclusion

5.1.1 The most dominant habitat across the Project was cropland (77.0%), followed by grassland (16.48%), urban (3.20%), woodland and forest (2.09%), heathland and shrub (0.67%), tall forbs and ruderal/ ephemerals (0.45%), ponds and lakes (0.11%), and finally wetland (reedbeds; < 0.01%).

5.1.2 A total of 13 HPIs were identified during the UKHab surveys on land within the Order Limits. In terms of UKHab classification, these were:

- Arable field margins
  - Sown with tussocky grasses (UKHab code: c1a5)
  - Pollen and nectar (UKHab code: c1a6)
  - Cultivated for annual flora (UKHab code: c1a7)
  - Game bird mix strips and corners (UKHab code: c1a8)
- Rivers which are Annex I priority habitat (UKHab code: r2a)
- Lowland dry acid grassland (UKHab code: g1a)
- Lowland meadows (UKHab code: g3a)
- Open mosaic habitats on previously developed land (UKHab code: g, 80)
- Reedbeds (UKHab code: f2e)
- Coastal and floodplain grazing marsh
  - Floodplain wetland mosaic and coastal floodplain grazing marsh (UKHab code: g, 19 and 55)
- Lowland mixed deciduous woodland (UKHab code: w1f)
- Wet woodland (UKHab code: w1d)
- Ponds which support HPI (UKHab code: r1g, 40)
- Native hedgerows (UKHab code: h2a)
- Species rich hedgerows (UKHab code: h2a5)
- Ecologically valuable line of trees (UKHab code: w, 34).

5.1.3 64 priority ponds are present within the Order Limits. One of these had a confirmed sighting of great crested newt, the others have been categorised as HPI on a precautionary basis that they contain protected or valuable fauna.

5.1.4 45 rivers and streams are present within or intersecting the Order Limits. Two of these are chalk rivers, the River Tas (Section A) and River Waveney (Section A / B), which are Priority Habitat under the UK Biodiversity Action Plan (JNCC, 2011) and an Annex I Habitat under the *Habitats Directive* 1992. The other rivers and streams have been identified as priority habitat either on the basis that they support SPI or on the precautionary basis that they have the potential to support SPI.

5.1.5 Six blocks of ancient woodland (irreplaceable habitat) are located within or partially intersecting the Order Limits, these are:

- Round Wood[7](Section B)
- Miller's Wood (Section B)
- Rivenhall Thicks (Section E)
- Writtle - Writtlepark Woods (Section F)
- Little Bladen's Wood (Section G)
- Ashen Shaw & Rainbow Wood (Section H).

5.1.6 All ancient woodland sites within 15 m of the Order Limits' standard and / or additional (if appropriate) mitigations to avoid or minimise impact, these are described Appendix B of the Outline LEMP (document reference 7.4).

5.1.7 Open mosaic habitat on previously developed land (HPI) was recorded in Buckingham Hill LWS in Section H, this LWS also supported lowland meadow and lowland dry acid grassland HPI.

5.1.8 Of the 150.14 km of hedgerows surveyed within the Order Limits, 149.56 km were HPI due to being dominated by one or more native species.

5.1.9 Of the 19.38 km of lines of trees surveyed within the Order Limits, 4.89 km were ecologically valuable HPI due to the presence of one or more mature, veteran or ancient trees within a 30 m section. These have all be surveyed as part of Appendix 13.6: Arboricultural Impact Assessment (document reference 6.13.A6), which has informed the veteran tree strategy as described in Appendix B of the Outline LEMP (document reference 7.4) (Rev B).

5.1.10 Hydrological linkage to designated sites which support GWDTE were analysed, of these:

- Five SSSIs within 2 km of the Order Limits were identified to support GWDTE. Of these, four are hydrologically linked to the Project
- Six LNRs within 2 km of the Order Limits were identified to support GWDTE. Of these, five hydrologically linked to the Project
- 52 CWSs within 2 km of the Order Limits were identified to support GWDTE. Of these, 28 are hydrologically linked to the Project
- 45 LWSs within 2 km of the Order Limits were identified to support GWDTE. Of these, 26 are hydrologically linked to the Project.

5.1.11 86 species of protected/notable plant species were returned from the LERCs under the following designations: England Red Listed Species by Botanical Society of Britain and Ireland (BSBI, 2014) (near threatened to endangered), nationally scarce and nationally rare excluding red listed taxa (JNCC, 2023), s41 of the NERC Act 2006 and Schedule 8 of the WCA 1981. However, there were only five incidental sightings of protected plant species all related to Jersey cudweed within the Order Limits during field surveys. Jersey cudweed was recorded in Section A, B and C with most plants recorded in Section C.

[7] Part of Round Wood and Elm's Grove CWS

5.1.12 The desk study identified nine invasive plant species designated under Schedule 9 of the WCA 1981 recorded within the Study Area. During field surveys, six of these were not identified in the Survey Area, namely giant rhubarb, giant hogweed, Canadian waterweed, New Zealand pigmyweed, alexanders, and Japanese Rose.

5.1.13 The five invasive species which were identified within the Order Limits during field surveys were:

- Himalayan balsam
- Rhododendron
- Japanese knotweed
- Giant hogweed
- Australian swamp stonecrop.

5.1.14 Common ragwort is not listed on Schedule 9 but is a threat to livestock and was recorded in one location, it is likely that this species is present elsewhere in the Order Limits and was not recorded by surveyors as it is not a Schedule 9 species.

Abbreviations

Abbreviation	Full Reference
BAP	Biodiversity Action Plan
BNG	Biodiversity Net Gain
BSBI	Botanical Society of Britain and Ireland
CFGM	Coastal Floodplain Grazing Marsh
CIEEM	Chartered Institute of Ecology and Environmental Management
CoCP	Code of Construction Practice
CSE	Cable Sealing End (compound)
CWS	County Wildlife Sites
DCO	Development Consent Order
DSM	Digital Surface Model
DTM	Digital Terrain Model
EACN	East Anglia Connection Node
EFC	Essex Field Club
EIA	Environmental Impact Assessment
ES	Environmental Statement
FISC	Field Identification Skills Certificate
GWDTE	Ground Water Dependent Terrestrial Ecosystems
ha	Hectares
HPI	Habitat of Principal Importance
JNCC	Joint Nature Conservation Committee
LEMP	Landscape and Ecological Management Plan
LERC	Local Environmental Record Centres
LNR	Local Nature Reserve
LWS	Local Wildlife Sites
MAGIC	Multi-Agency Geographic Information for the Countryside
MoRPh	Modular River Physical Survey
NBIS	Norfolk Biodiversity Information Service
NERC	*Natural Environment* and Rural Communities Act 2006
NNR	National Nature Reserve
NVC	National Vegetation Classification
OMH	Open Mosaic Habitat

Abbreviation	Full Reference
OMH PDL	Open Mosaic Habitat on Previously Developed Land
OSGR	Ordnance Survey Grid Reference
PRoW	Public Rights of Way
SAC	Special Areas of Conservation
SBIS	Suffolk Biodiversity Information Service
SPA	Special Protection Area
SPI	Species of Principal Importance
SSSI	Site of Special Scientific Interest
UKHab	UK Habitat Survey
WCA	The *Wildlife and Countryside* Act 1981

Glossary

Term	Description
Ancient Woodland	Land that has been continually wooded since at least 1600 in England. Regarded as 'irreplaceable habitat' in national planning guidance. Ancient woodland greater than 2 ha is recorded on the Natural England Ancient Woodland Inventory.
Ancient Woodland Inventory	A dataset managed by Natural England to identify and record information about Ancient Woodland sites in England.
Annex I Priority habitat	Annex I habitats are natural habitats identified by the European Union's *Habitats Directive* 1992 as needing special conservation efforts. These habitats are either at risk of disappearing, have a limited natural range, or are outstanding examples of their *Natural Environment*.
Archaeophyte	Archaeophytes are species that have been recorded as naturalised in the wild before the year 1500.
Biodiversity	The variability among living organisms from all sources including terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part: this includes diversity within species, between species and of ecosystems.
Cable	An insulated conductor designed for underground installation.
Cable Sealing End Compound	Electrical infrastructure used as the transition point between overhead lines and underground cables. A compound on the ground acts as the principal transition point.
County Wildlife Site	Non-designated areas of land important for their wildlife and nature conservation value.
Ecosystem	A dynamic complex of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit.
European Protected Species	Animals and plants listed under the *Habitats Directive* and protected under the *Conservation of Habitats and Species* Regulations 2017, as amended in 2019.
Fauna	All the animals in a given area.
Flora	The plants within a particular habitat or region.
Groundwater	Water that is in the ground, this is usually referring to water in the saturated zone below the water table.
Groundwater dependent terrestrial ecosystems	Wetlands which critically rely on groundwater flows and/or chemistries.
Habitat	The natural home or environment of an animal, plant, or other organism.
Habitat of Principal Importance	A habitat which has been deemed to be of principal importance for the purpose of conserving biodiversity, currently adopted under Section 41

Term	Description
	of the *Natural Environment* and Rural Communities Act 2006, formerly listed in the UK Biodiversity Action Plan.
Habitat Regulations Assessment	The process by which plans and projects are assessed as to whether they are likely to have a significant effect on a European site either alone or in combination with other plans or projects, under the *Conservation of Habitats and Species* Regulations 2017 (as amended).
Haul Roads	A route used by construction traffic within the Order Limits to access a working area from a site access point.
Horizontal Directional Drilling	Trenchless method for the installation of pipes, in a shallow arc using a surface-launched drilling rig. In particular, it applies to large-scale crossings in which a fluid filled pilot bore is drilled without rotating the drill string, and this is then enlarged by a washover pipe and back reamer to the size required for the product pipe.
Invasive non-native species	An invasive non-native species is any non-native animal or plant that can spread, causing damage to the environment, the economy, health, and way of life.
Local Nature Reserve	Sites dedicated by the Local Planning Authority under Section 21 of the National Parks and Access to the Countryside Act 1949 for nature conservation which have wildlife or geological features that are of special interest locally.
Local Planning Authority	The public authority whose duty it is to carry out specific planning functions for a particular area.
Local Wildlife Site	Non-designated areas of land important for their wildlife and nature conservation value.
Mitigation	The action of reducing the severity and magnitude of change (impact) to the environment. Measures to avoid, reduce, remedy or compensate for significant adverse effects as per the mitigation hierarchy.
National Vegetation Classification	A system of classifying natural habitat types in Great Britain according to their vegetation types.
Order Limits	The maximum extent of land within which the authorised development may take place.
Overhead Line	Conductor (wire) carrying electric current, strung from pylon to pylon.
Priority species	Species identified as of principal importance in England, in accordance with requirements of the Natural Environment and Rural Communities Act 2006. These are based on the UK Biodiversity Action Plan Priority Species.
Sites of Special Scientific Interest	SSSIs are protected by law under the Wildlife and Countryside Act 1981. They are important because they support rare or endangered fauna and flora, and they represent the United Kingdom's best wildlife and geological sites.
Species	A group of living organisms consisting of similar individuals capable of exchanging genes or interbreeding.

Term	Description
Substation	Substations are used to control the flow of power through the electricity system. They are also used to change (or transform) the voltage from a higher to lower voltage to allow it to be transmitted to local homes and businesses.
Trenchless crossing	A crossing installation method that has limited above-ground disturbance which is used to avoid a sensitive feature such as an environmental feature.
UK Power Networks	UK Power Networks (Operations) Limited (registered company number 03870728) and/or its affiliate Eastern Power Networks plc (registered company number 02366906) as applicable.
Underground cabling	An insulated conductor carrying electric current designed for underground installation. Underground cables link together two Cable Sealing End compounds.
Zone of Influence	The defined geographic area within which the project's environmental receptors are located.

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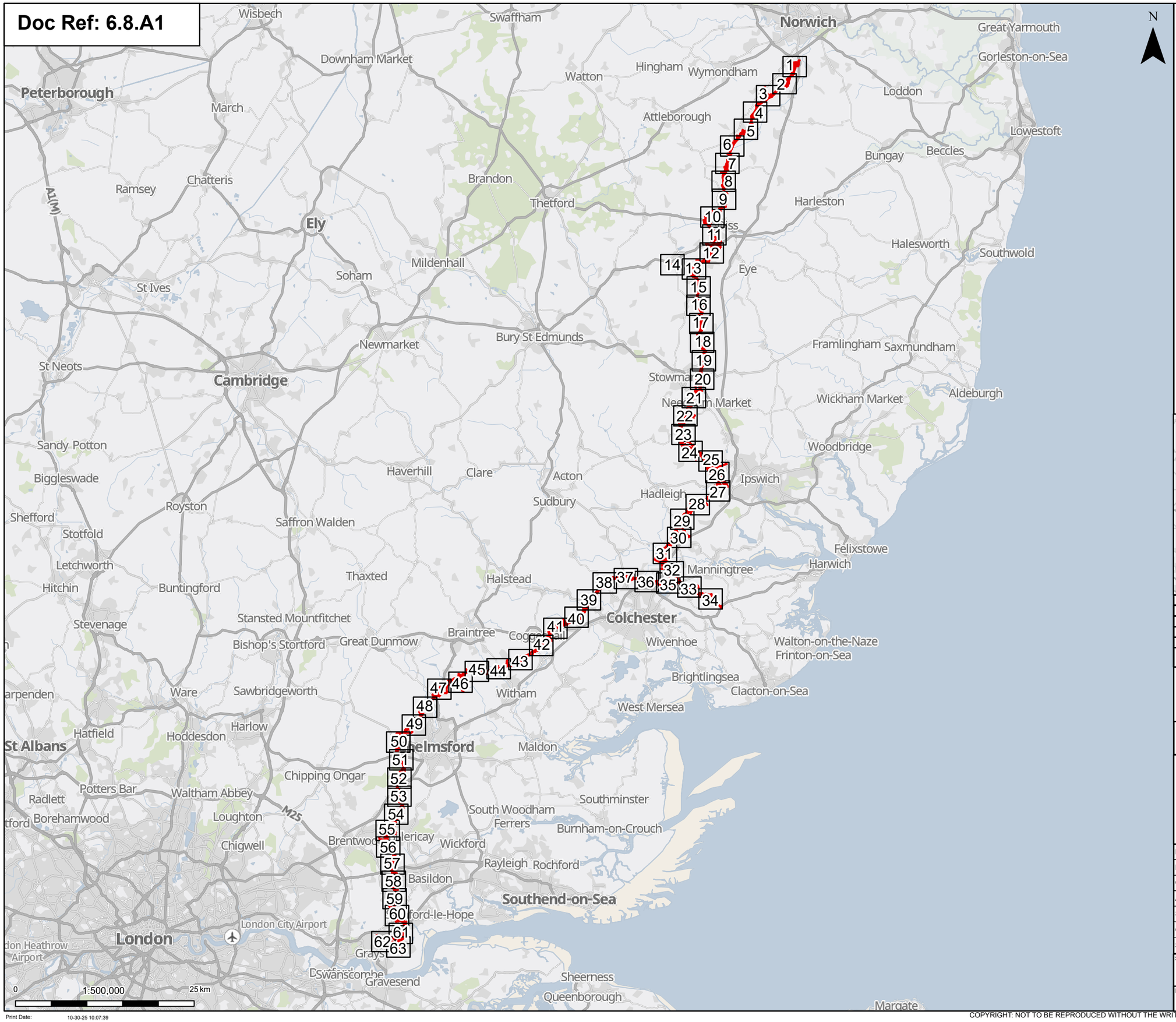
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Annex A. Figures

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Figure A8.1.1 - UK Habitat Map (Rev B)

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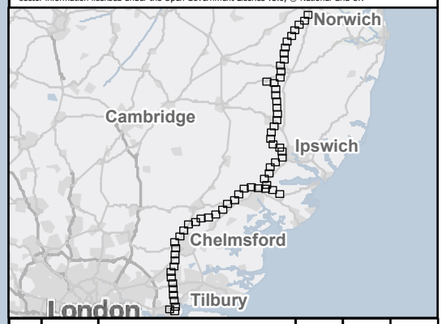


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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results Overview

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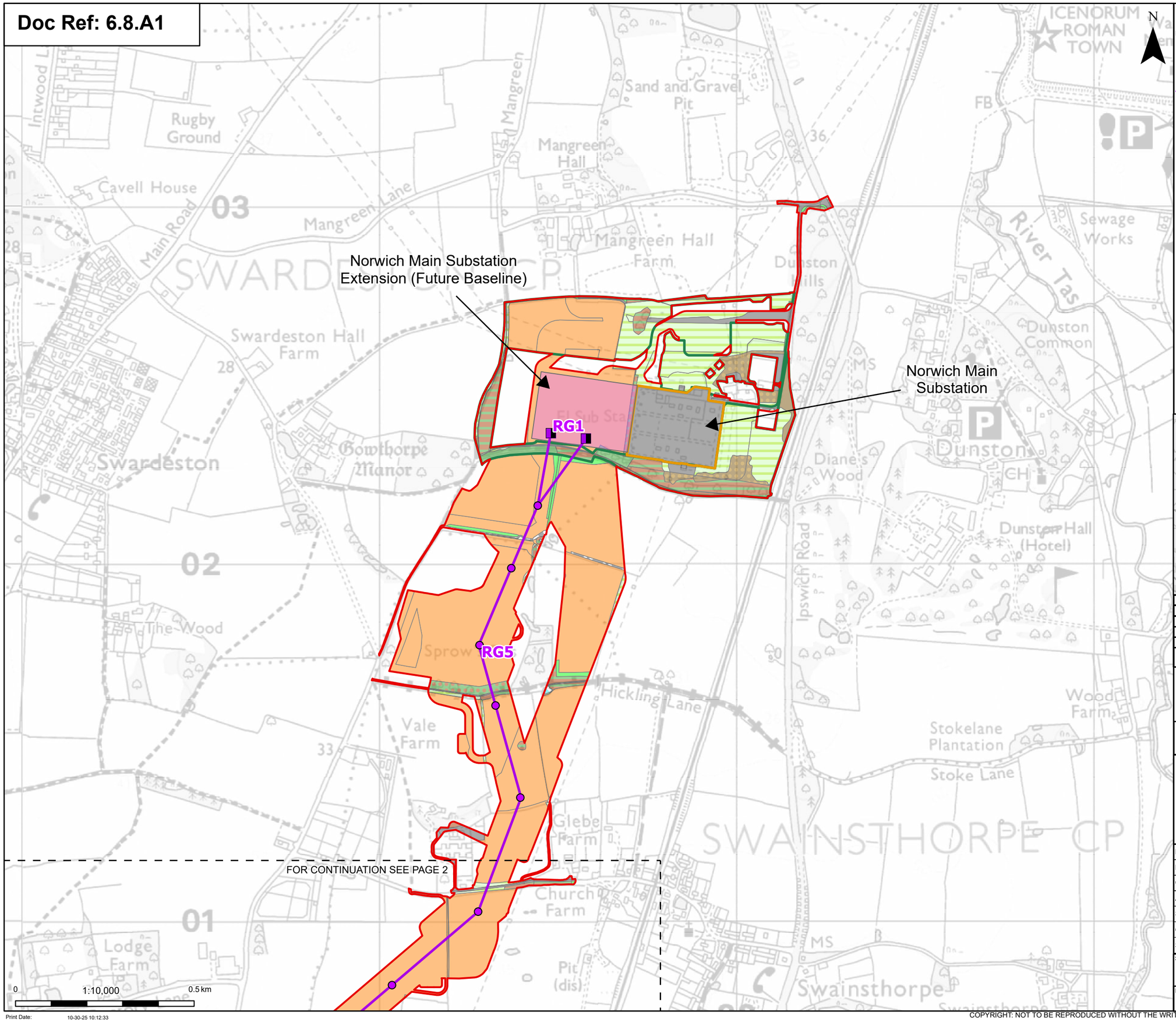
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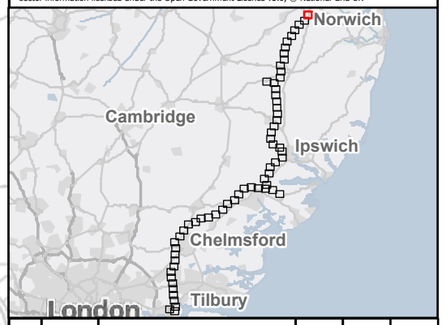
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- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Norwich Main Substation
- Norwich Main Substation Extension (future baseline)
- Environmental area
- Cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface
- Vegetated garden
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 1 of 63

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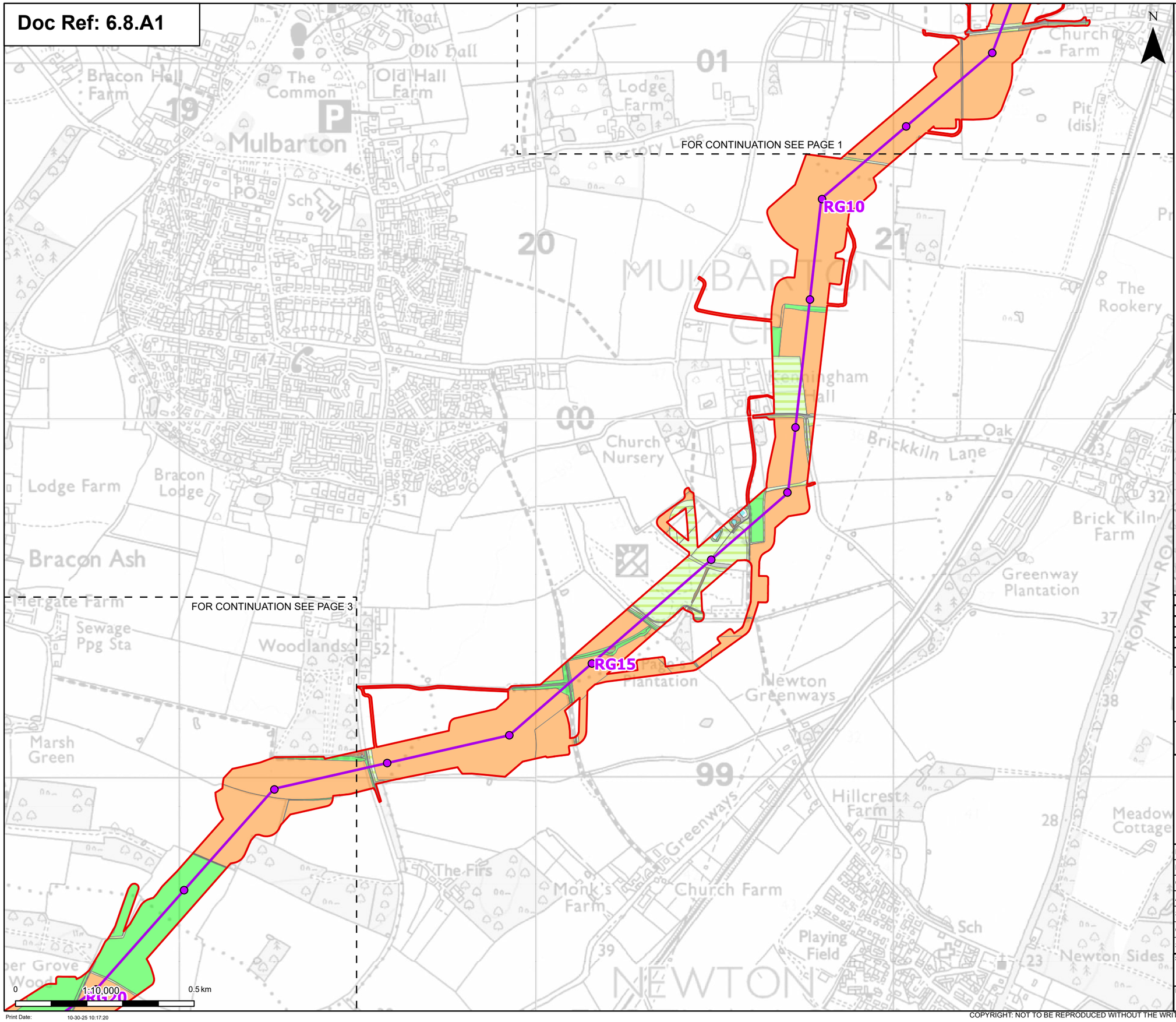
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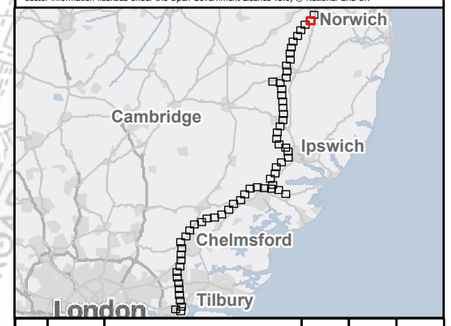
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- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 2 of 63

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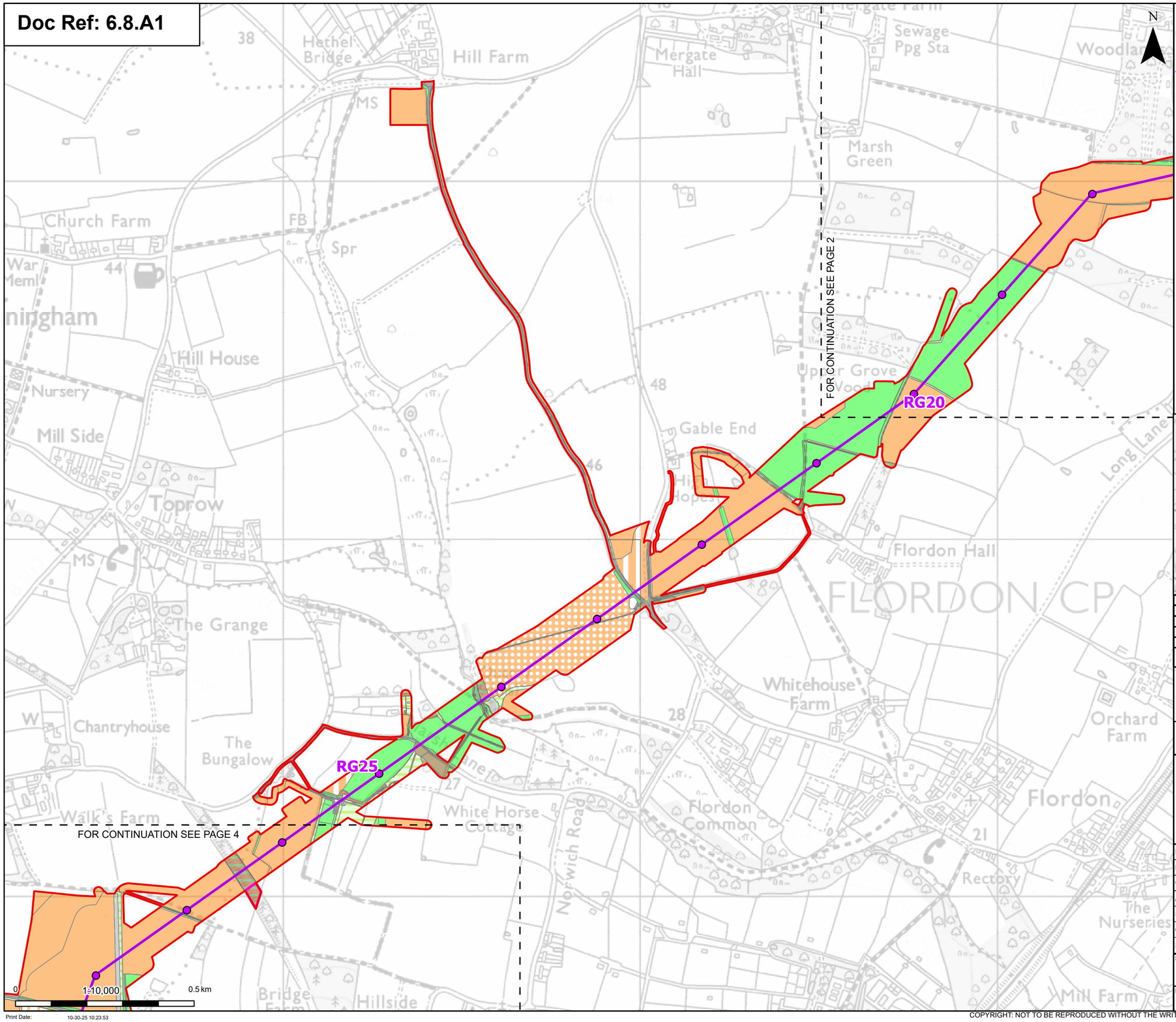
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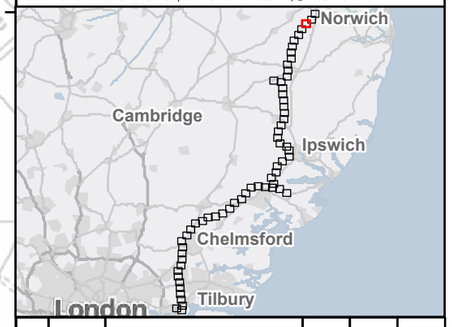
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- Environmental mitigation
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- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Modified grassland
- Other neutral grassland
- Blackthorn scrub
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 3 of 63

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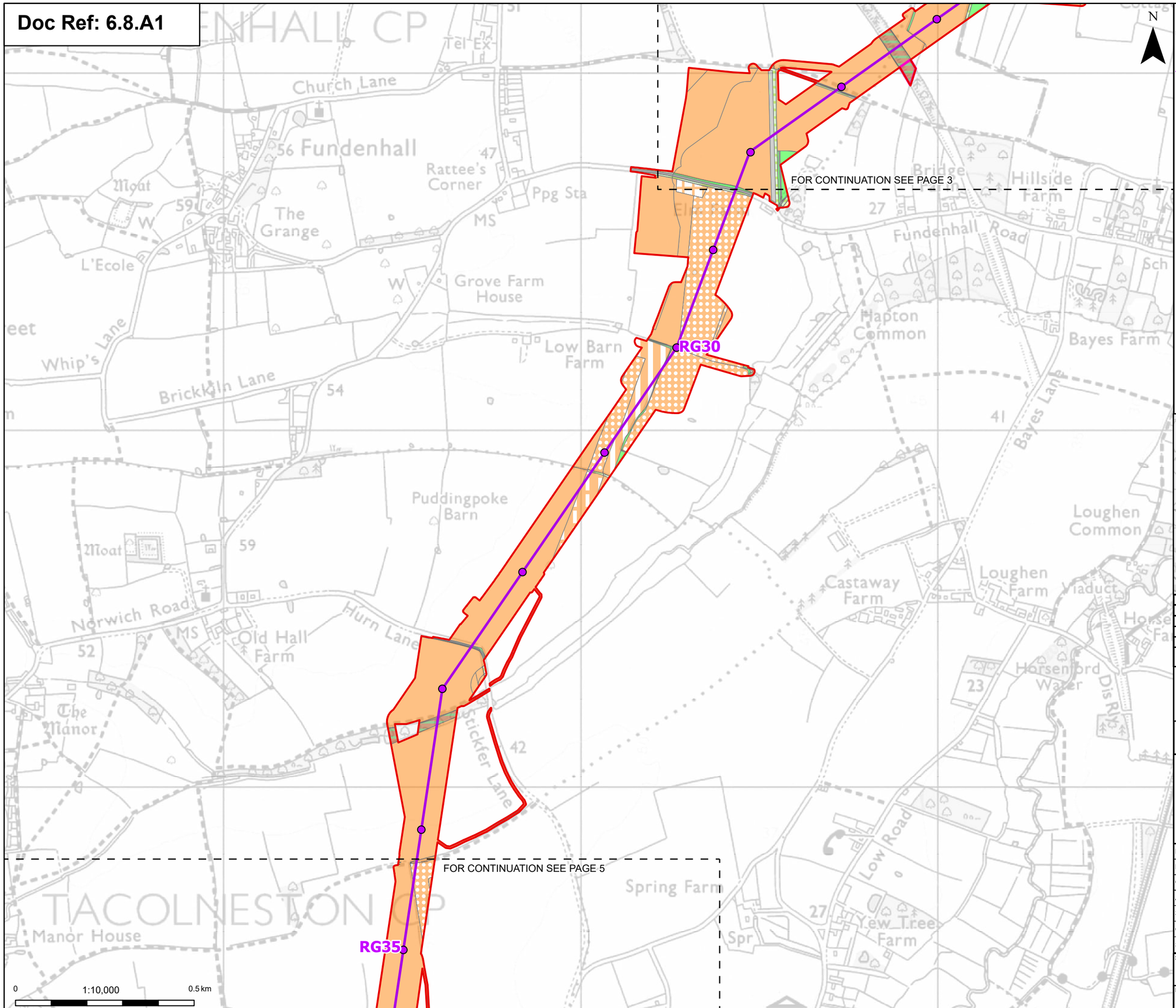
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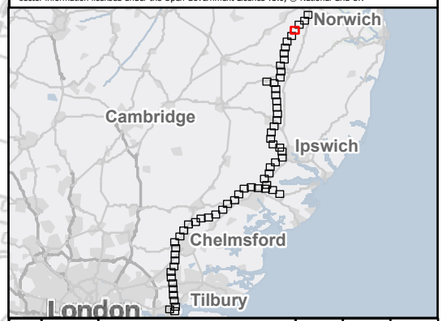
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble
- Modified grassland
- Other neutral grassland
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 4 of 63

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

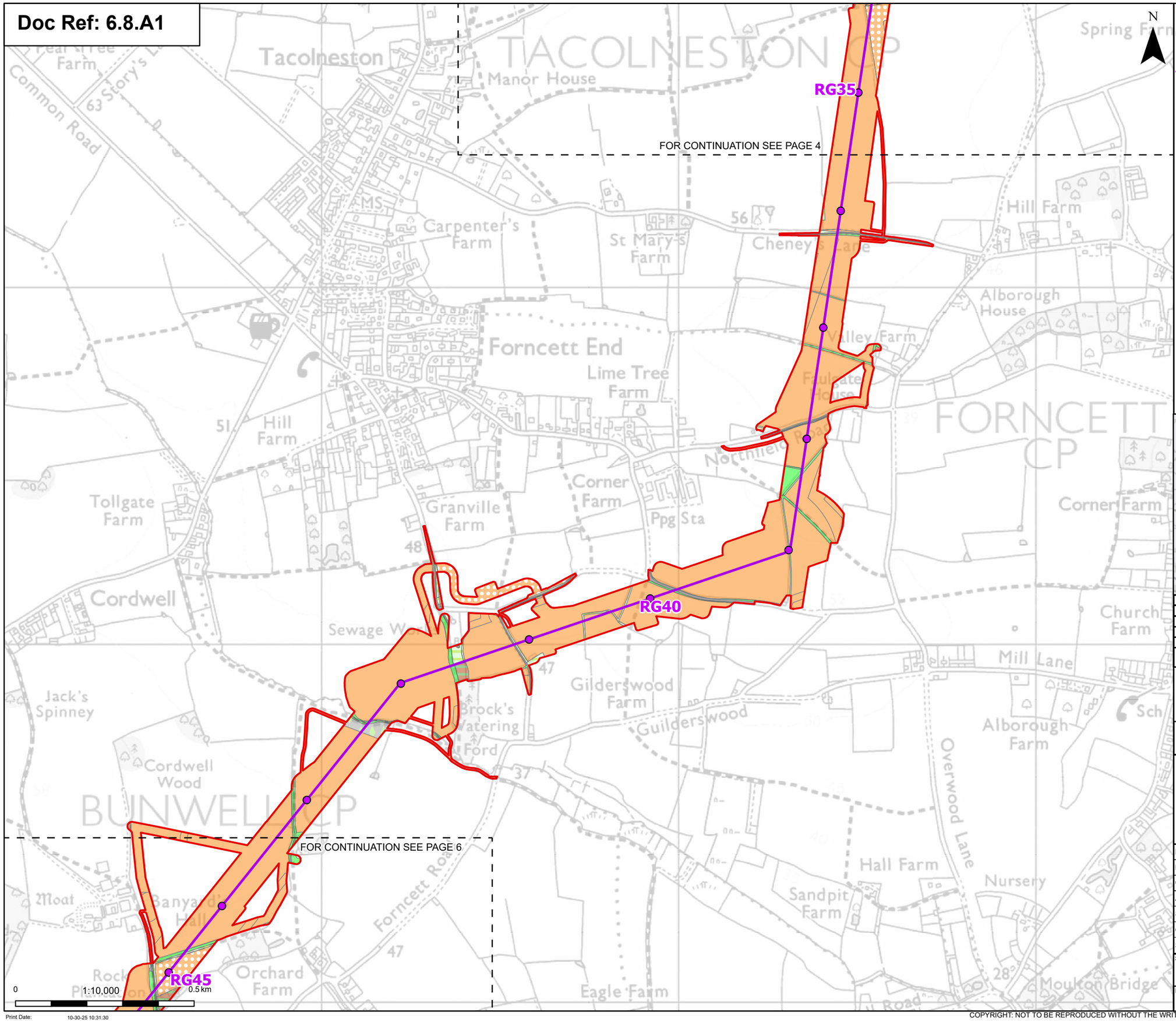
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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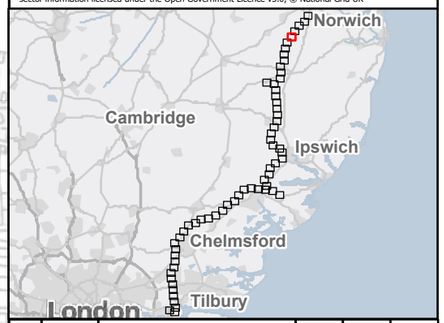
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 5 of 63

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

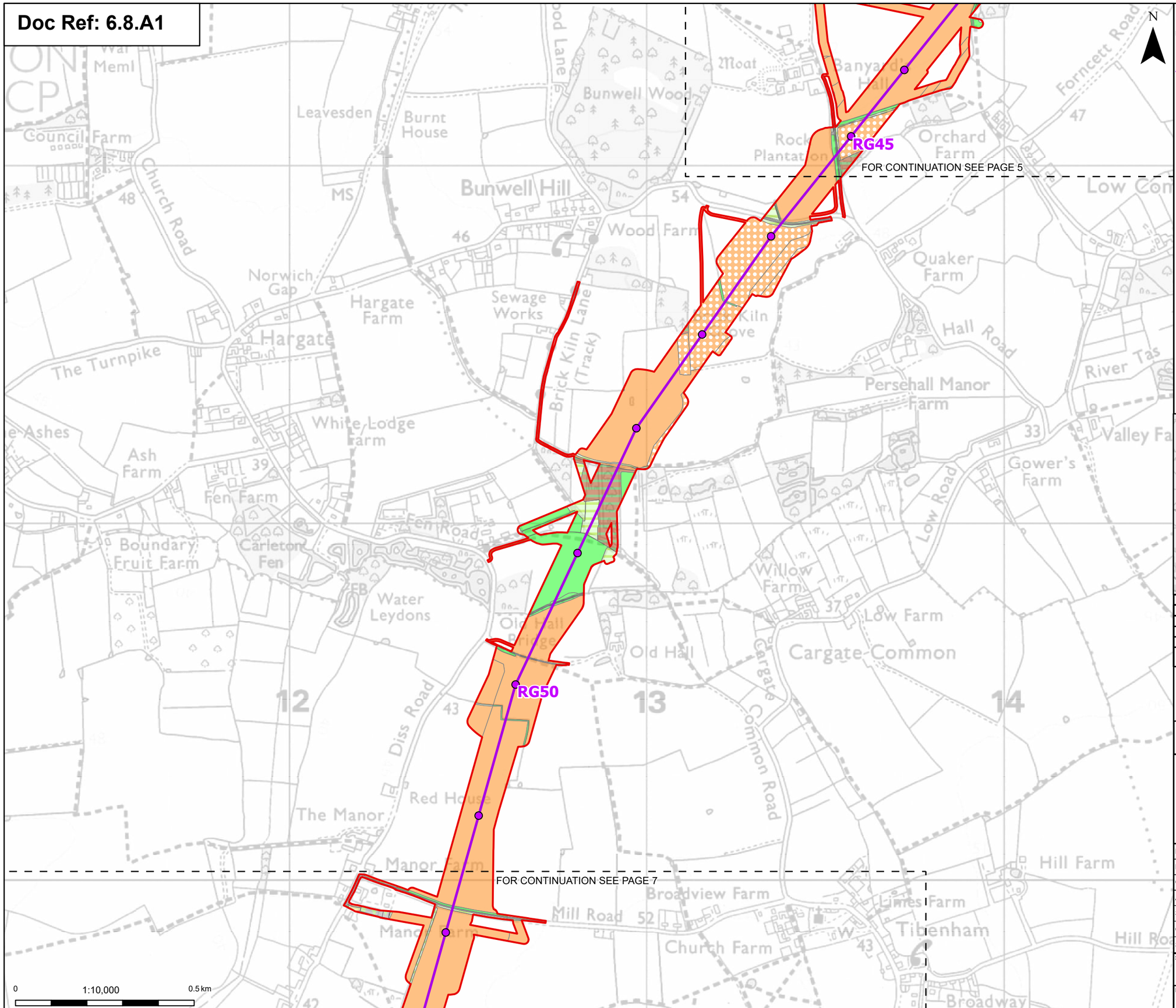
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 10:31:30

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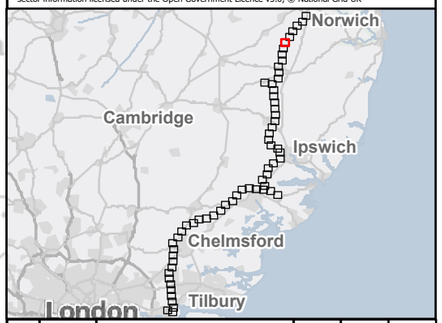
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results Section A

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

Suitability Description: Accepted as Concept Stage

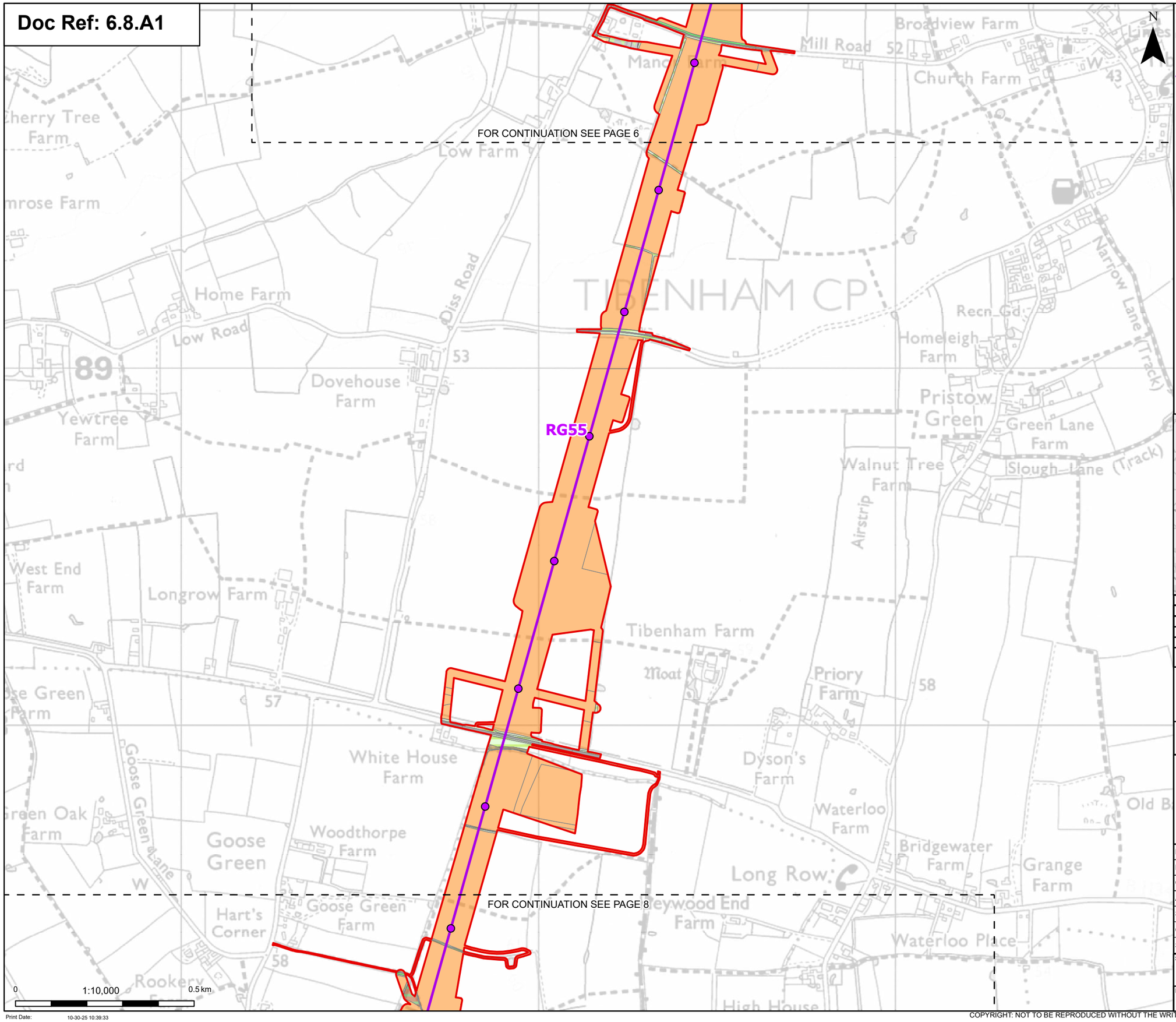
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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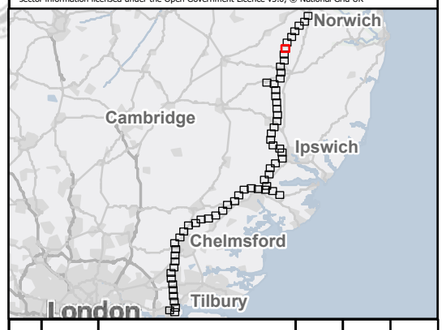
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Bare ground
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 7 of 63

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

Suitability Description:
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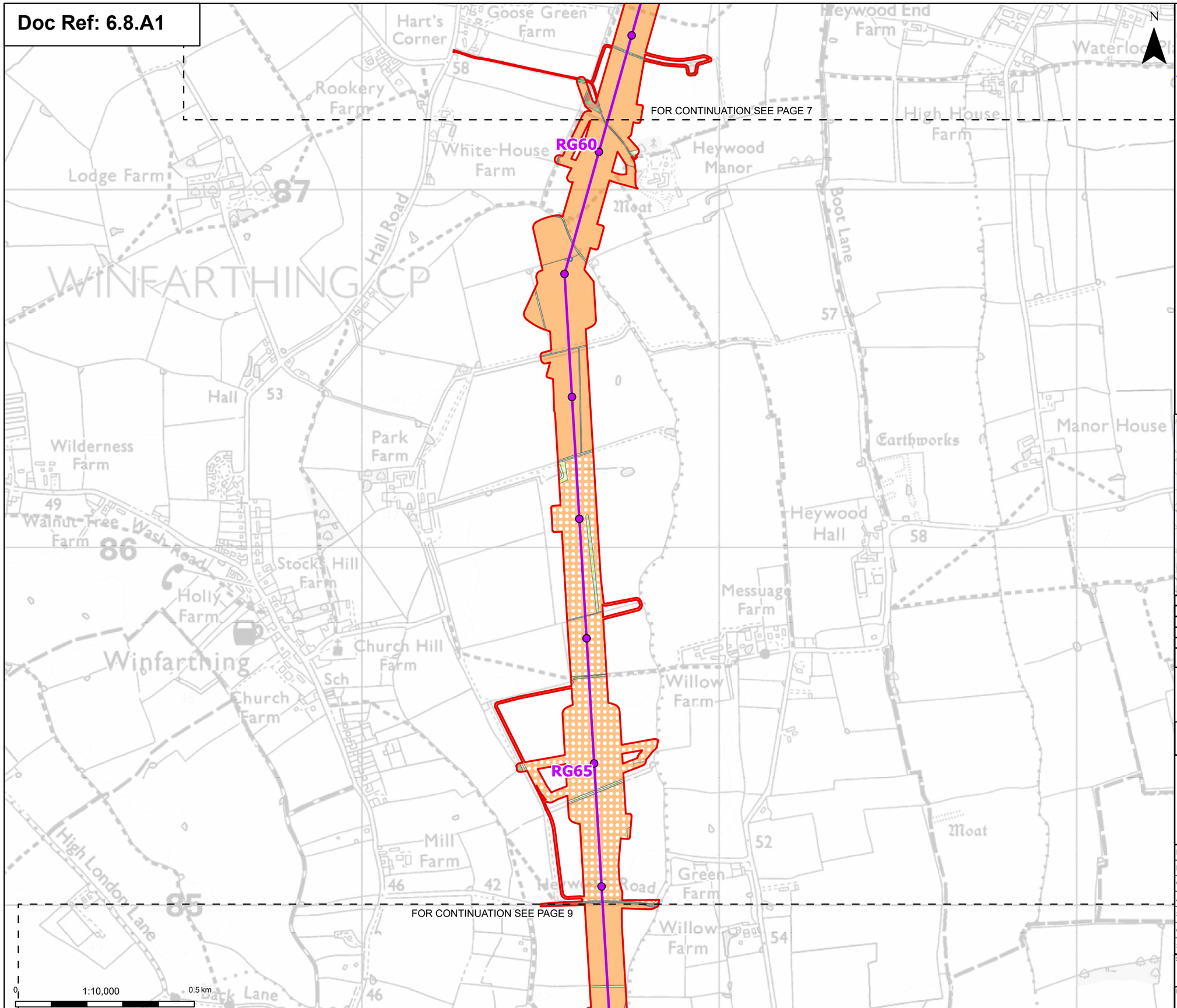
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Revision: B

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Doc Ref: 6.8.A1



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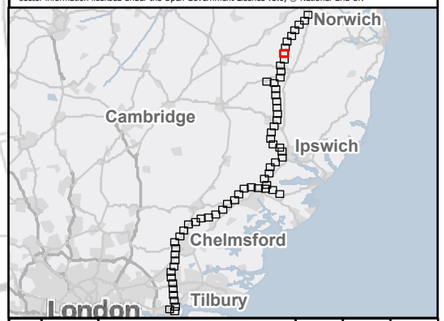
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Developed land; sealed surface
- Vegetated garden
- Ponds (priority habitat)
- Reservoirs
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 8 of 63

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

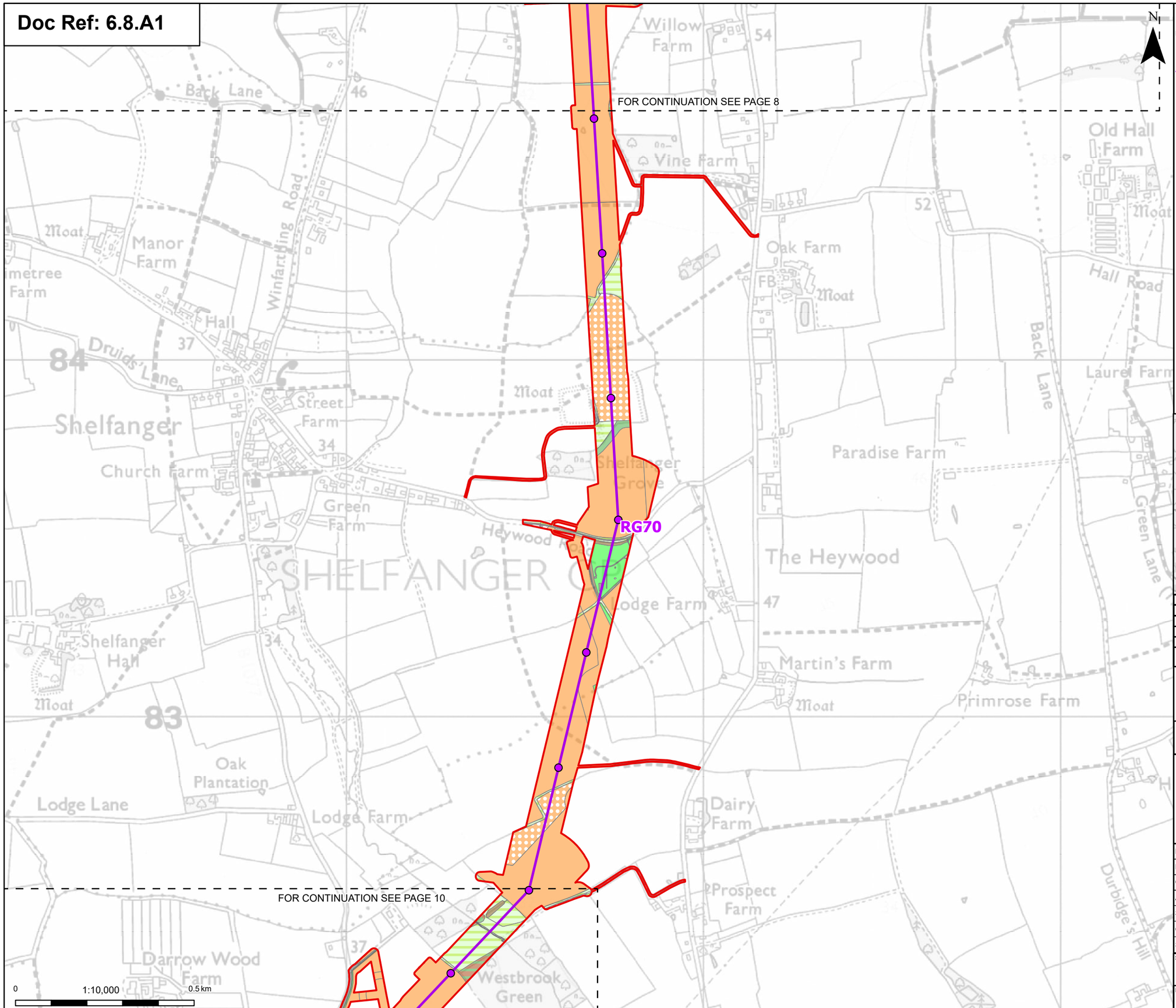
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 10:42:34

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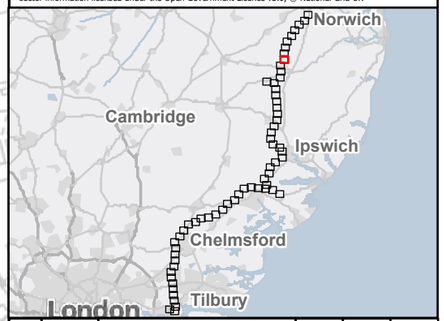
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Wet woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section A
Page 9 of 63

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

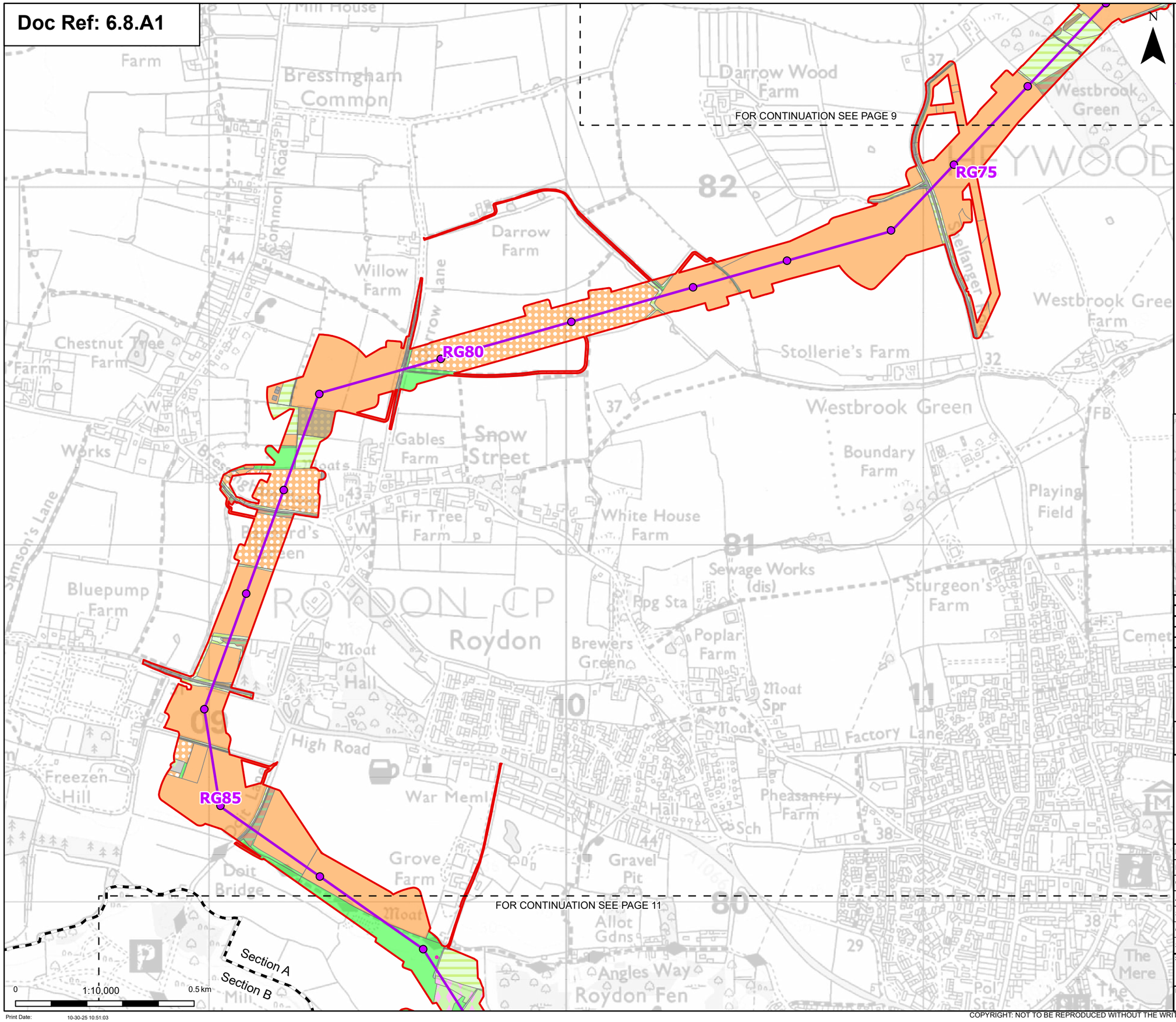
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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Doc Ref: 6.8.A1



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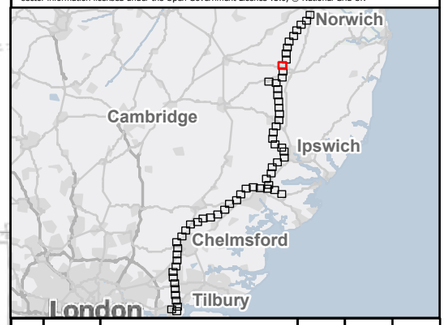
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Non-cereal crops
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Watercourse footprint
- Lowland mixed deciduous woodland
- Wet woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections A and B
Page 10 of 63

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

Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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Section A
Section B

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RG95

556 Tributary of River Waveney 2

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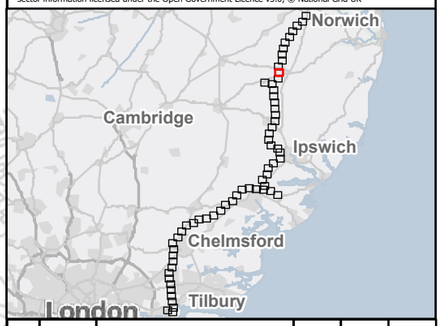
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland
- Blackthorn scrub
- Bramble scrub
- Mixed scrub
- Willow scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections A and B
Page 11 of 63

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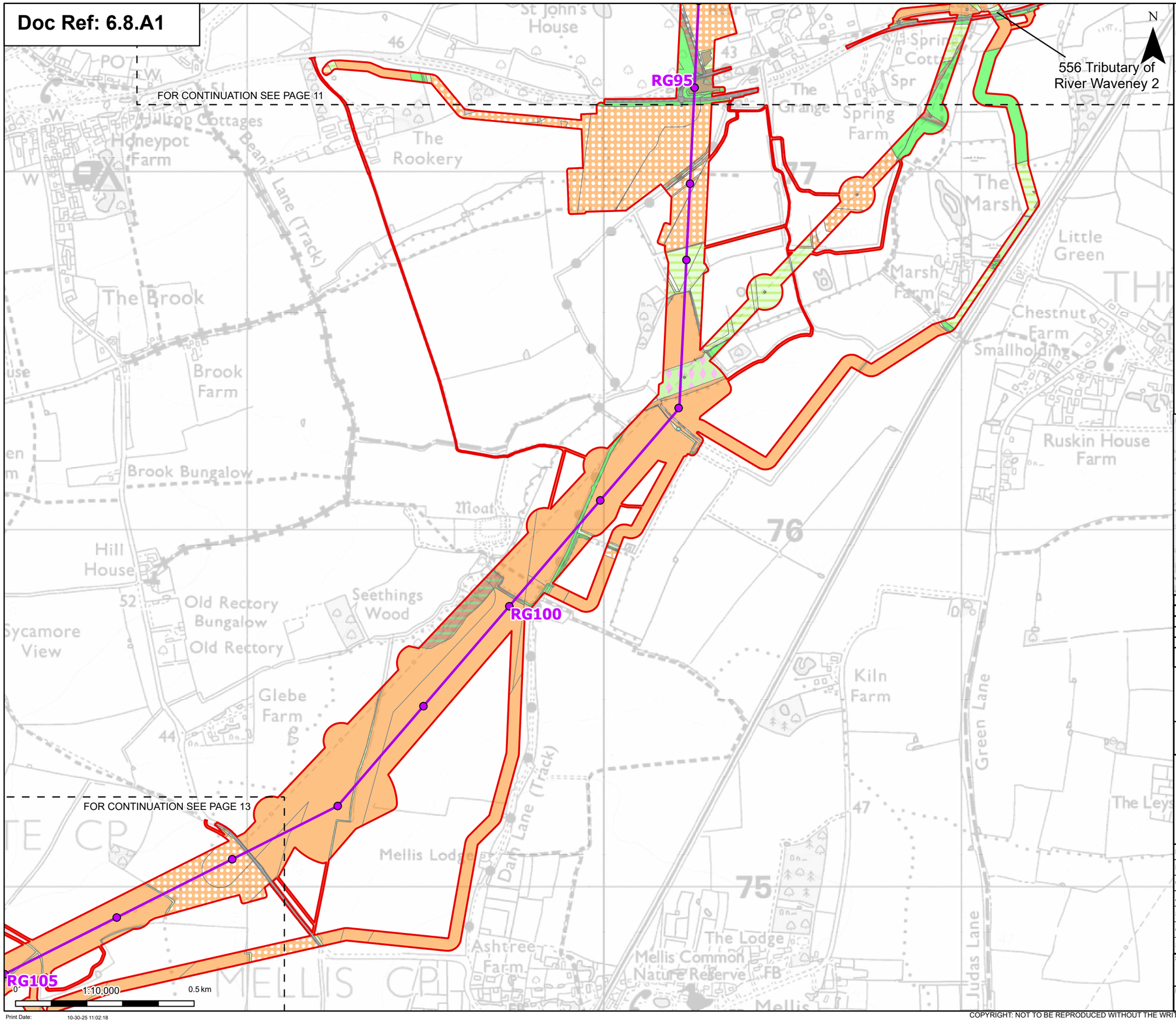
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

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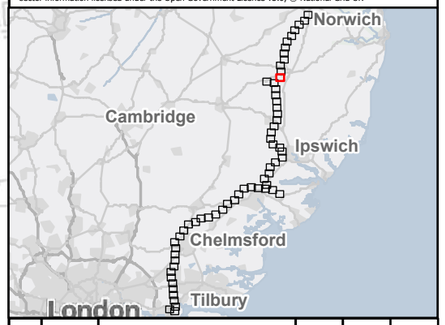
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 12 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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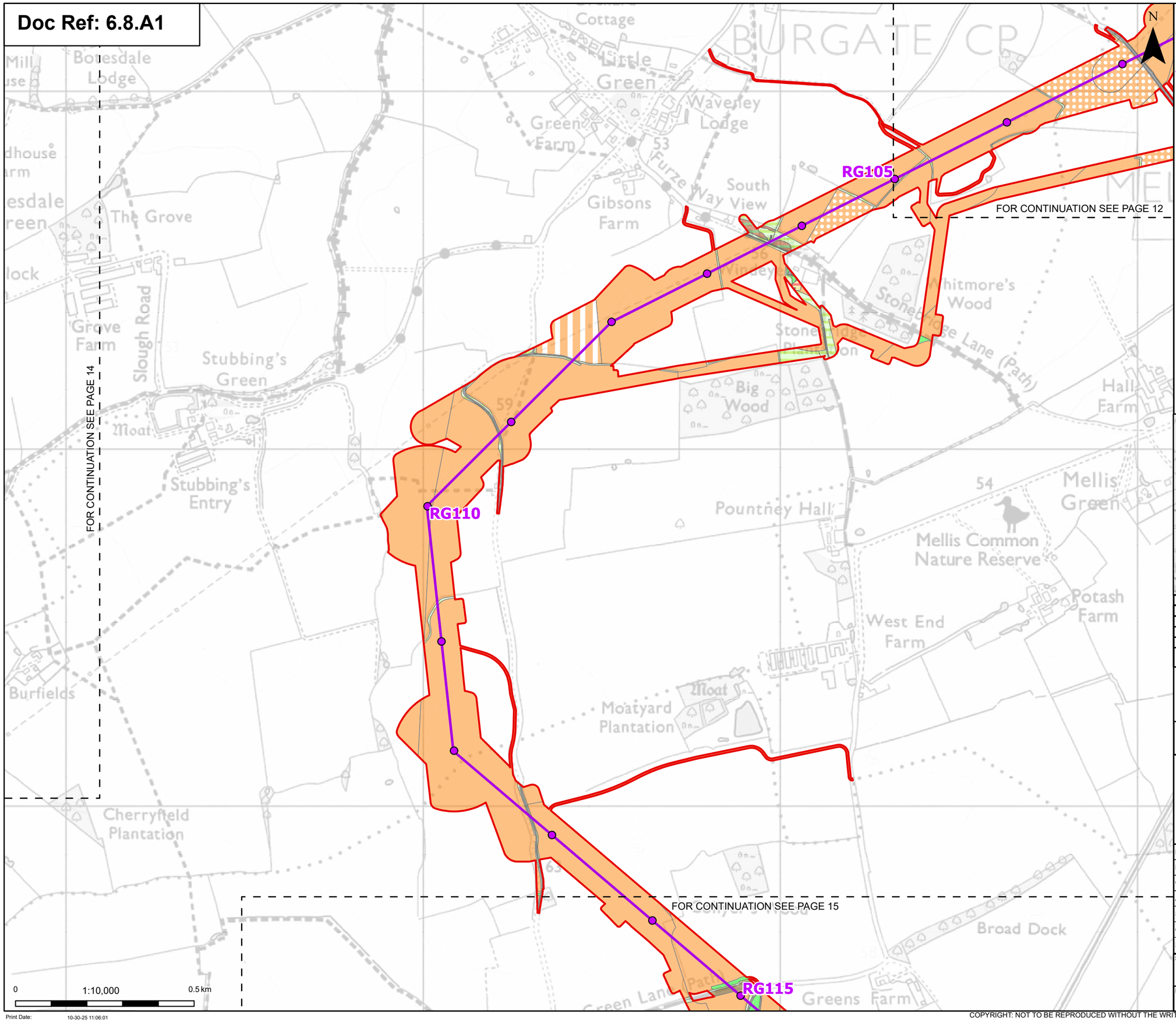
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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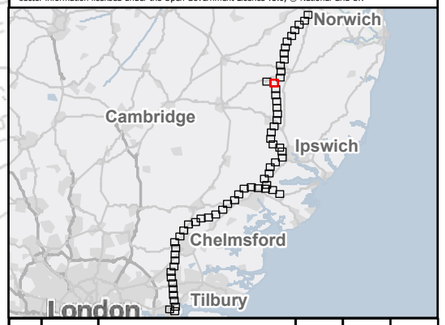
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Vegetated garden
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 13 of 63

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

Suitability Description: Accepted as Concept Stage

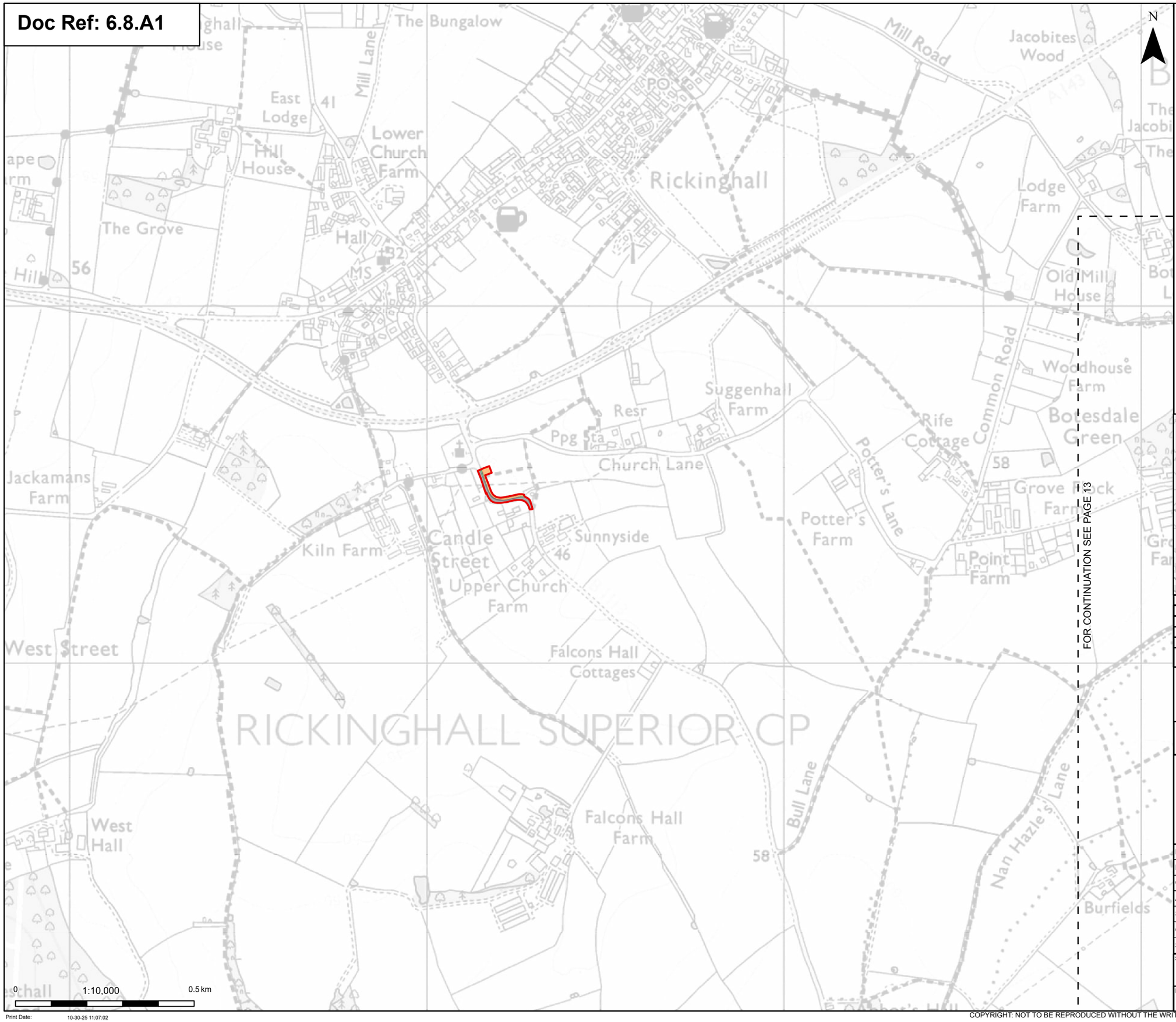
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Revision: B

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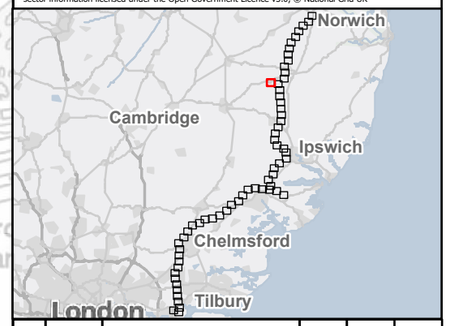


- Order limits
- Sheet index cutline
- Cereal crops
- Modified grassland
- Developed land; sealed surface
- Vegetated garden

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 14 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

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RG120

FOR CONTINUATION SEE PAGE 16

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Print Date: 10-30-25 11:11:00

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 15 of 63

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

Suitability Description:
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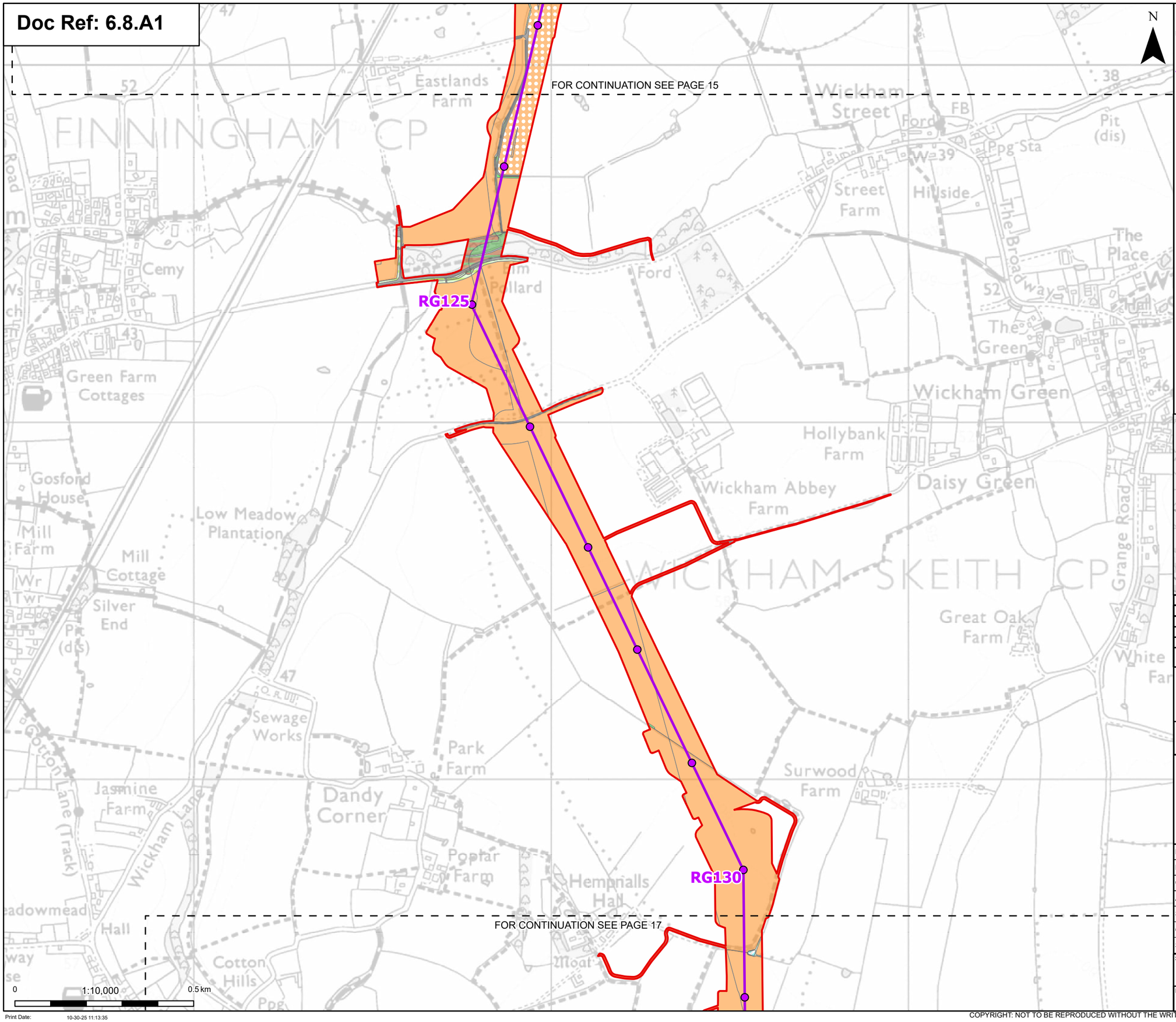
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Doc Ref: 6.8.A1

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FOR CONTINUATION SEE PAGE 17

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- Order limits
- Sheet index cutline

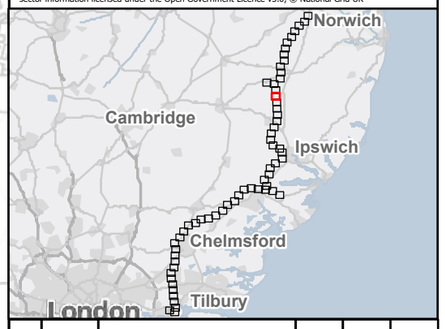
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 16 of 63

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

Suitability Description: Accepted as Concept Stage

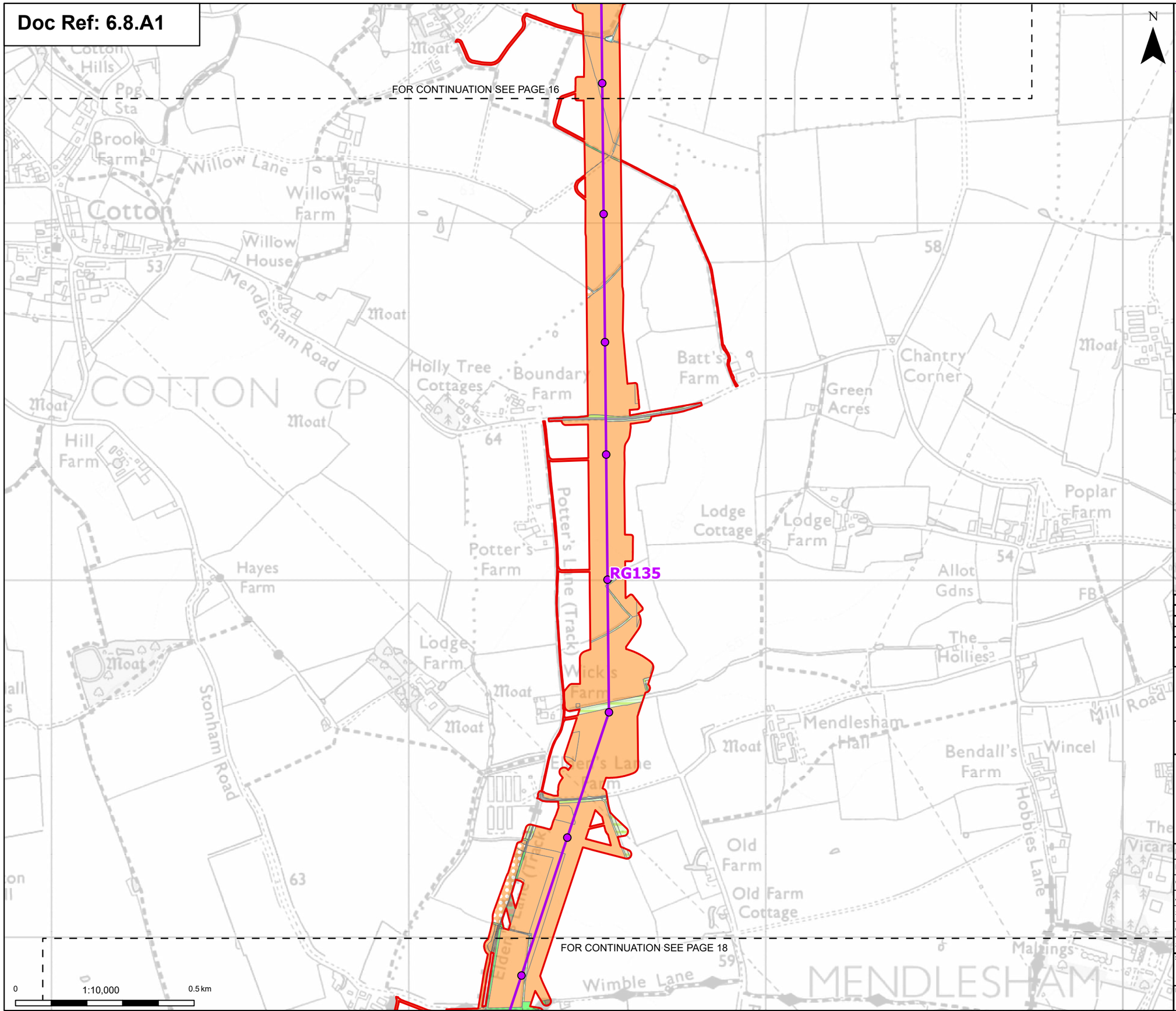
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Revision: B

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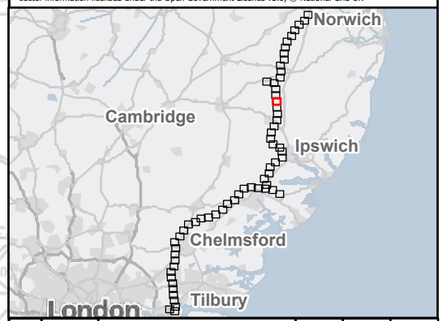
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 17 of 63

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

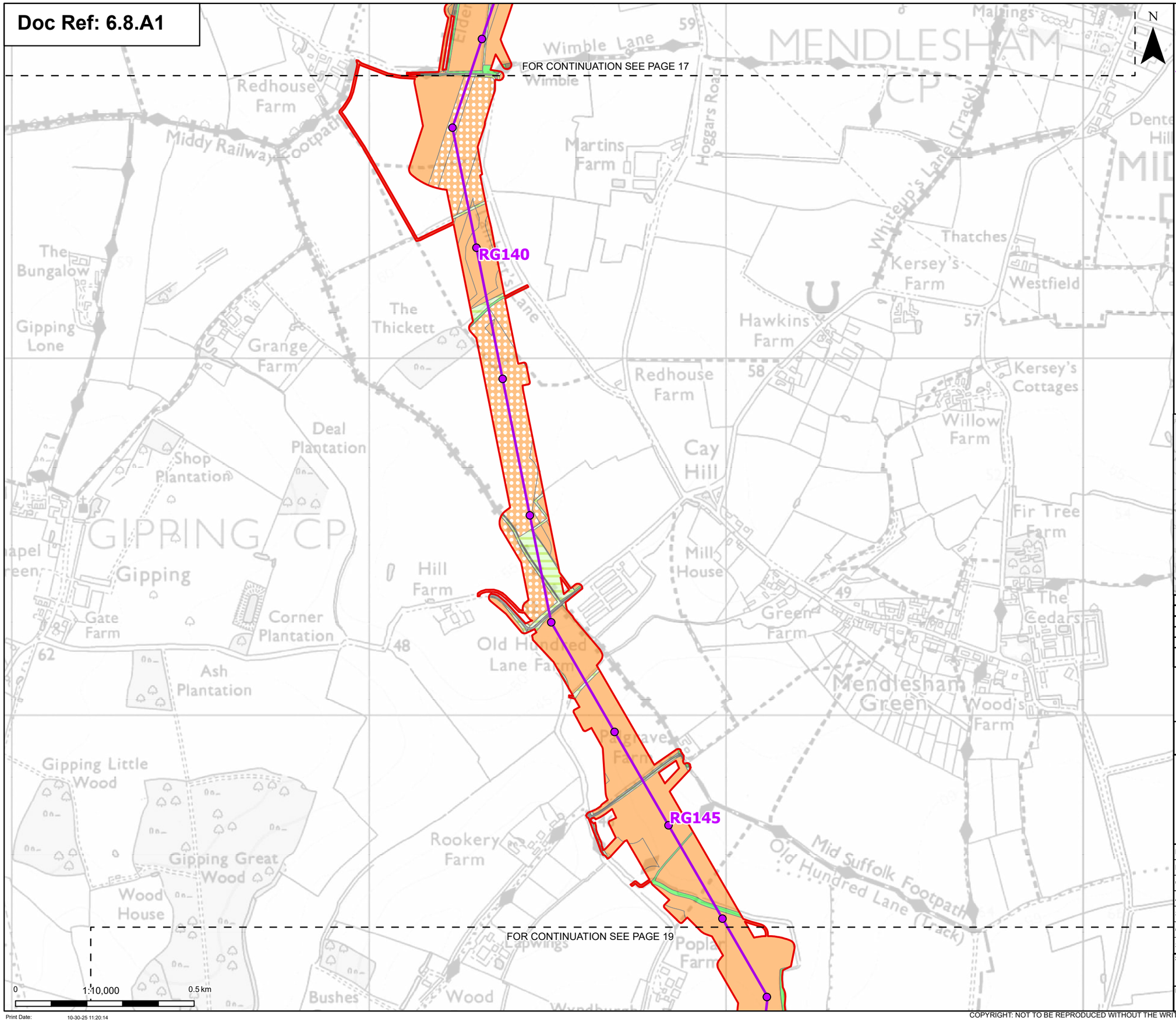
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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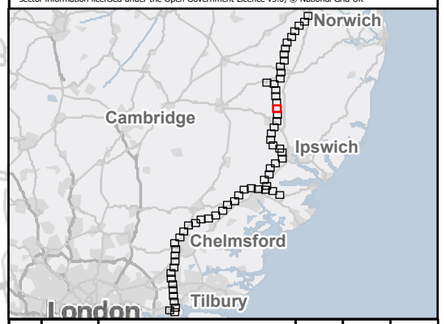
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 18 of 63

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

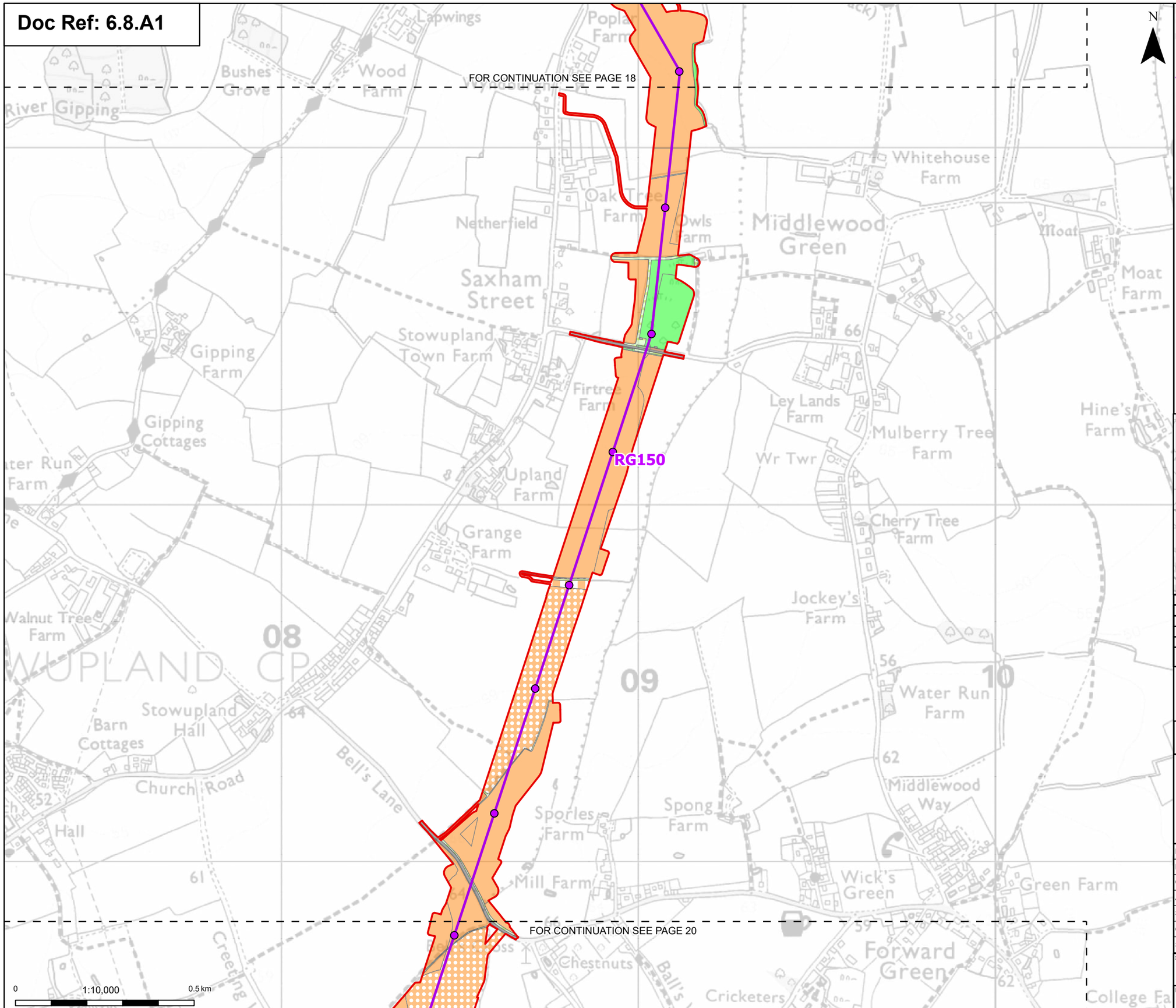
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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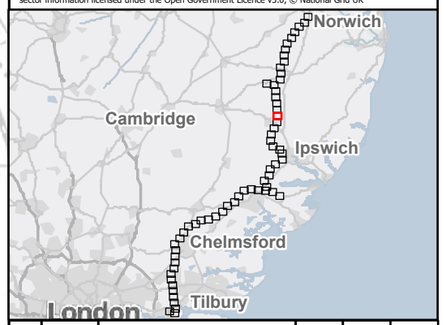
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Modified grassland
- Other neutral grassland
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Approved	K. Burrows	Date	October 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 21

RG155

RG160

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Print Date: 10-30-25 11:26:53

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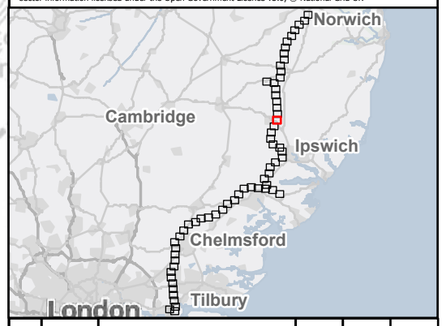
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bare ground
- Built linear features
- Developed land; sealed surface
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 20 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

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FOR CONTINUATION SEE PAGE 22

RG165

RG170

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Print Date: 10-30-25 11:32:46

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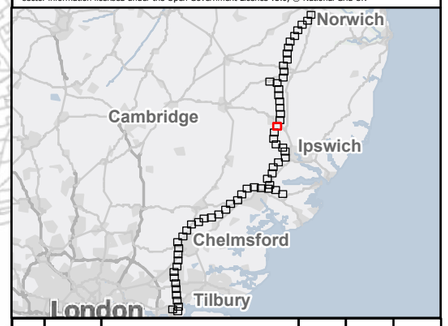
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Horticulture
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; mixed
- Wet woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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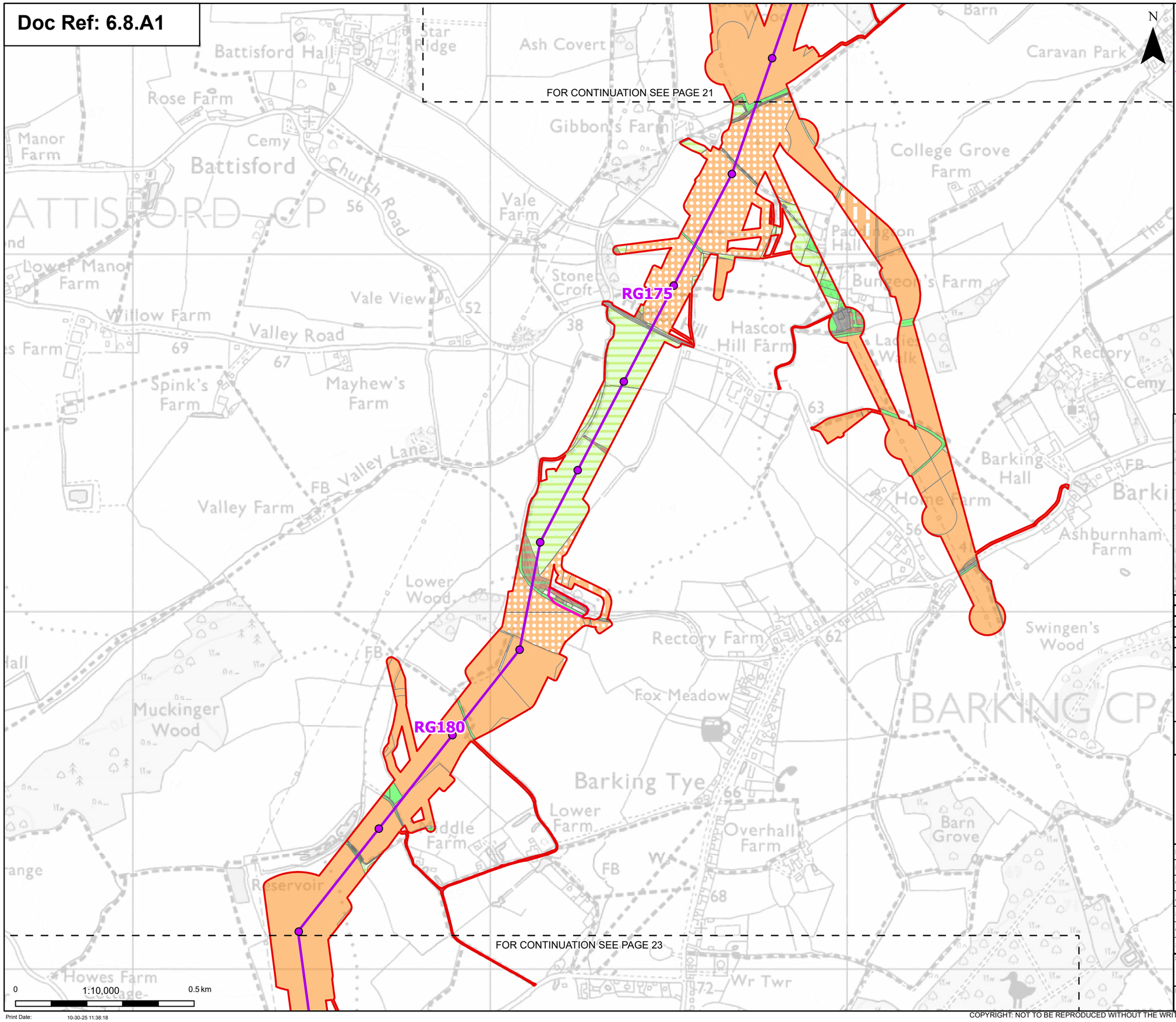
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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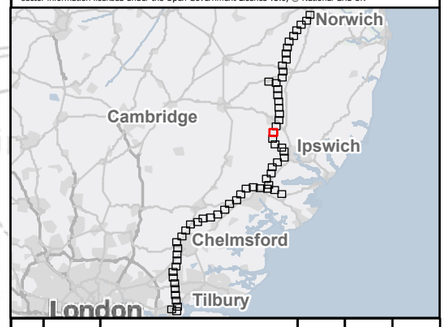
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Non-cereal crops
- Winter stubble
- Bracken
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 22 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

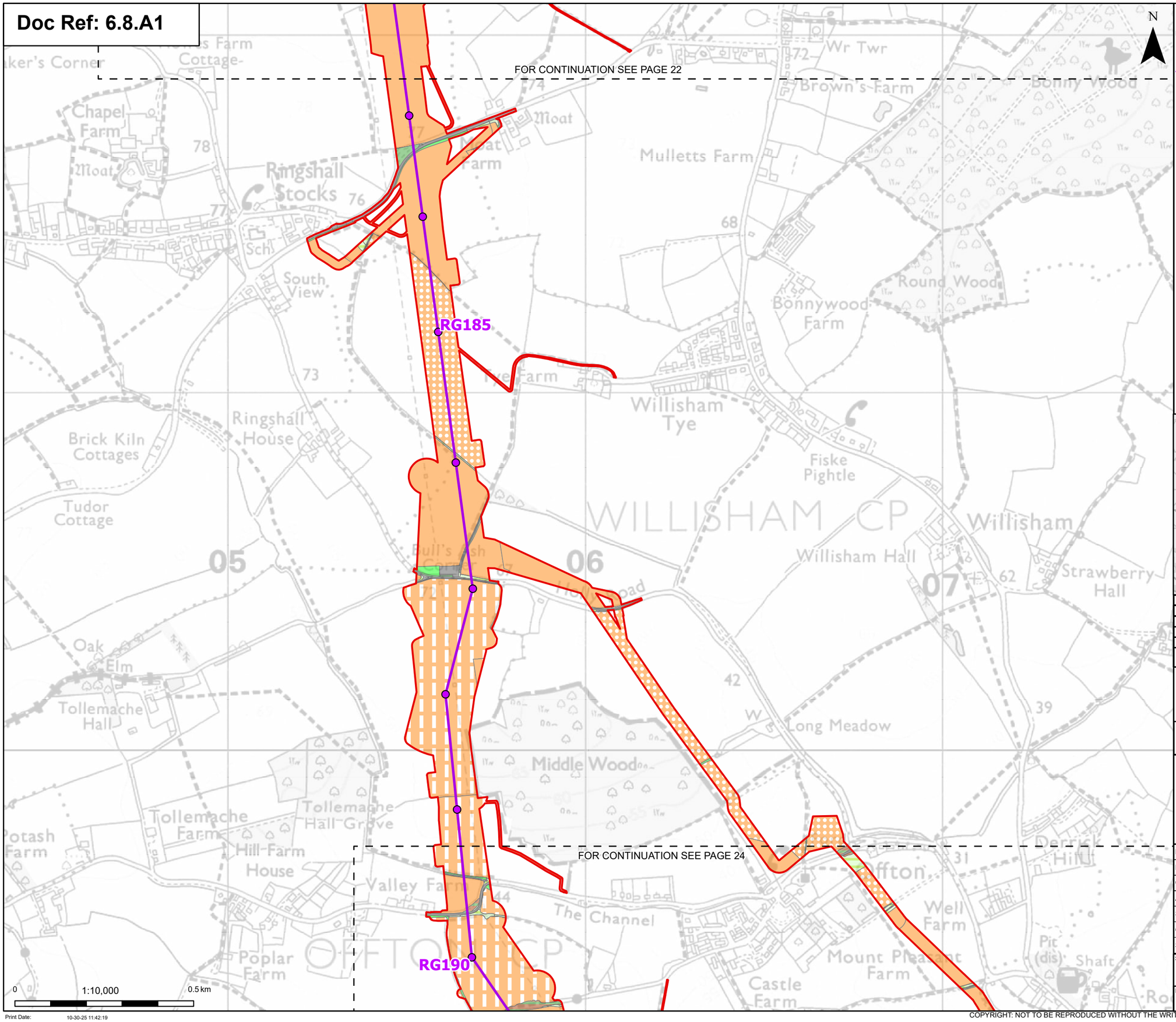
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Print Date: 10-30-25 11:38:18

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Doc Ref: 6.8.A1

FOR CONTINUATION SEE PAGE 22



FOR CONTINUATION SEE PAGE 24

Print Date: 10-30-25 11:42:19

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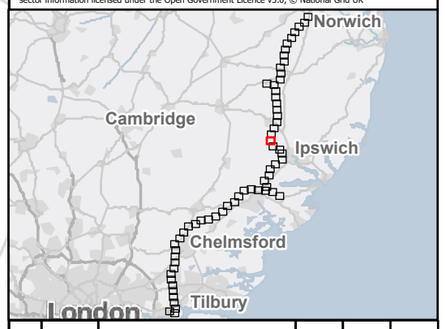
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 23 of 63

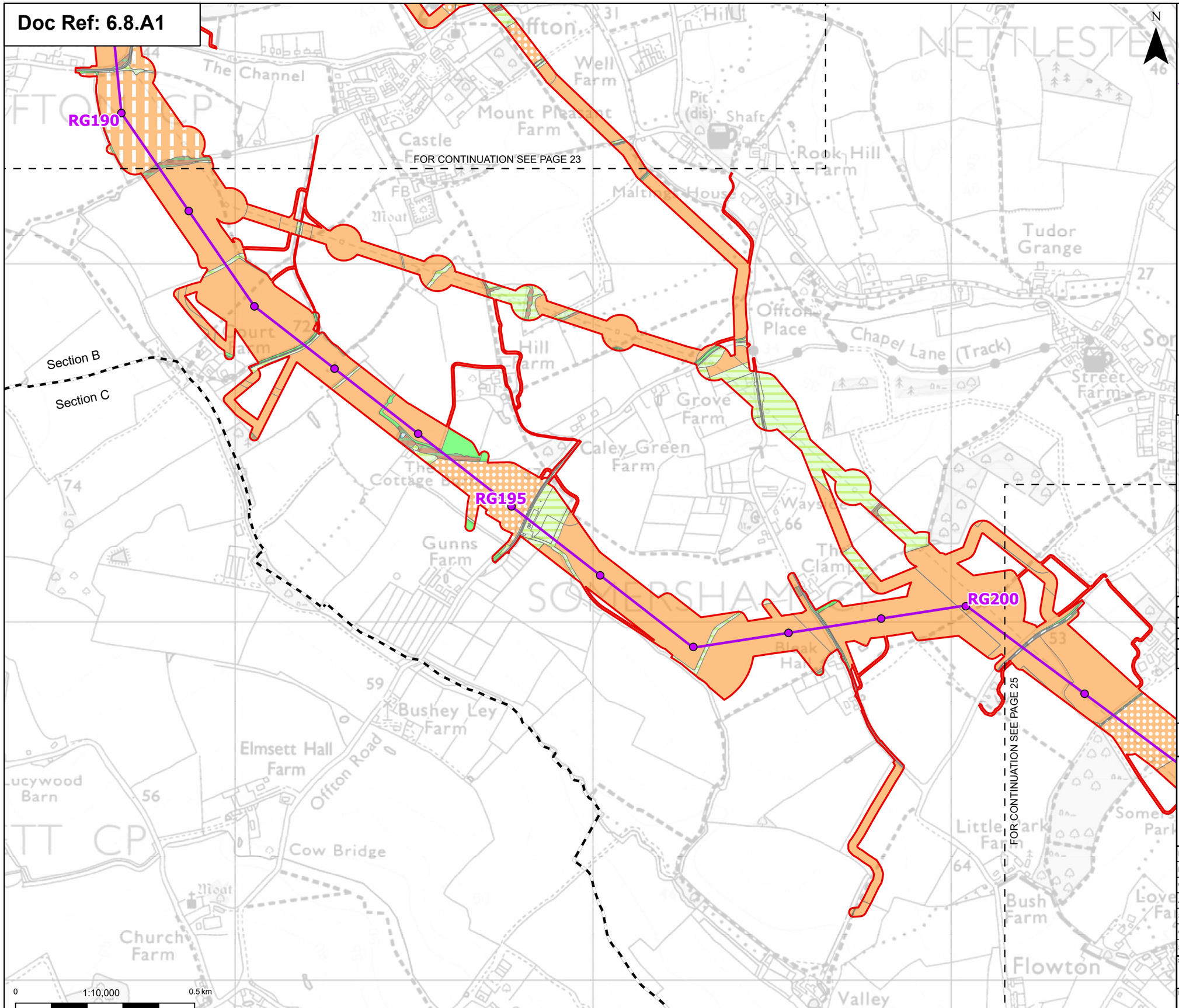
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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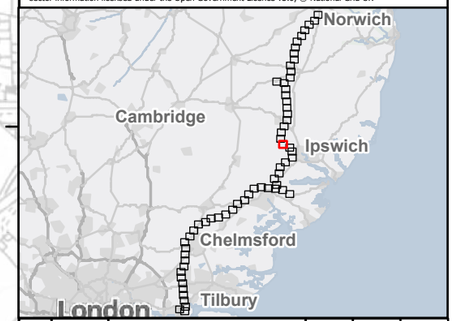
Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Arable field margins cultivated annually
Cereal crops
Non-cereal crops
Winter stubble
Modified grassland
Other neutral grassland
Bramble scrub
Mixed scrub
Artificial unvegetated, unsealed surface
Bare ground
Built linear features
Developed land; sealed surface
Vegetated garden
Ruderal/Ephemeral
Ponds (priority habitat)
Watercourse footprint
Lowland mixed deciduous woodland
Other woodland; broadleaved
Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections B and C
Page 24 of 63

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

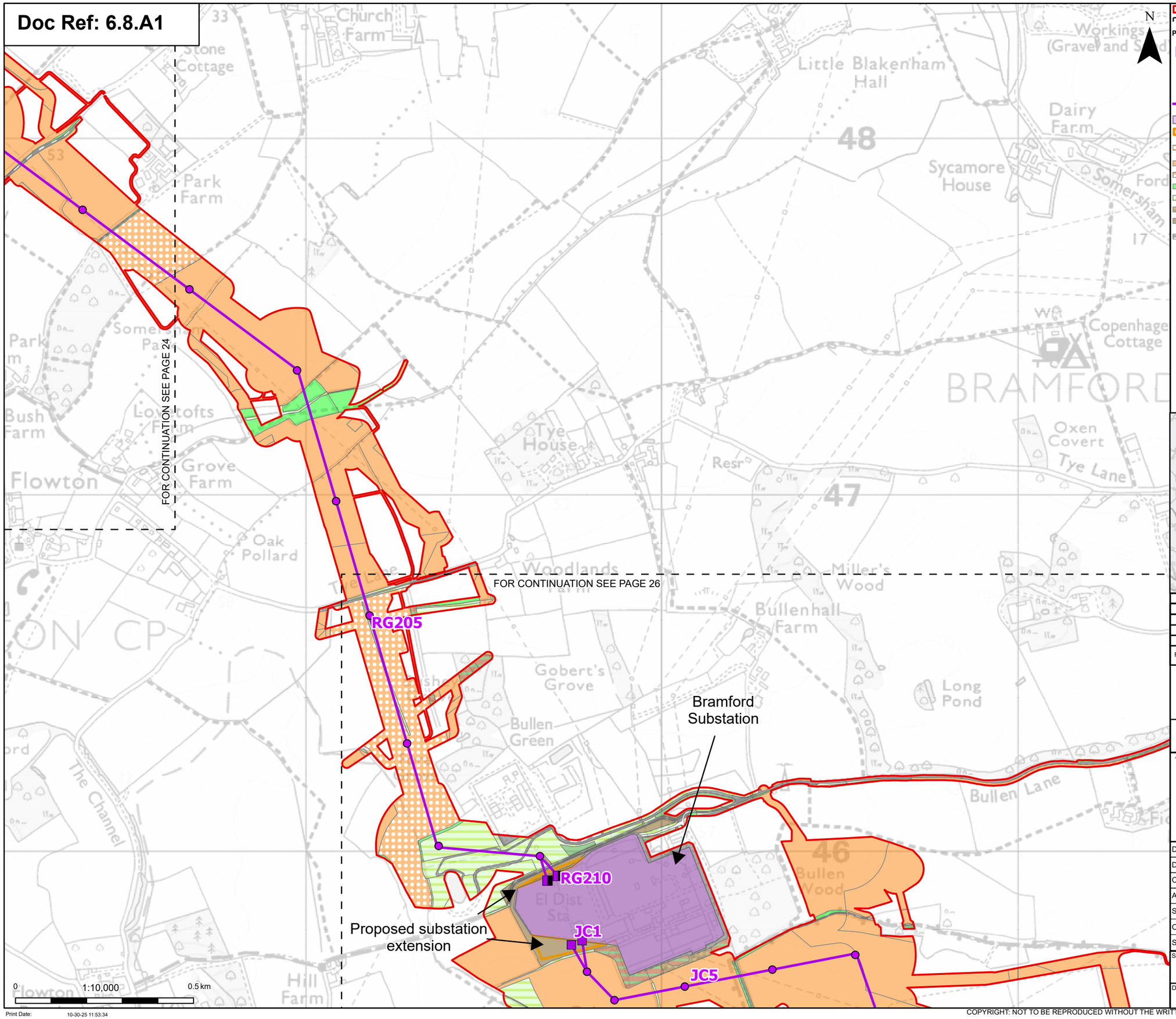
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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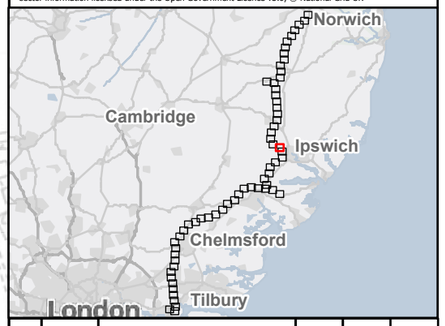
Proposed project design details

- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Bramford Substation
- Bramford Substation Extension
- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ruderal/Ephemeral
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section B
Page 25 of 63

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

Suitability Description: Accepted as Concept Stage

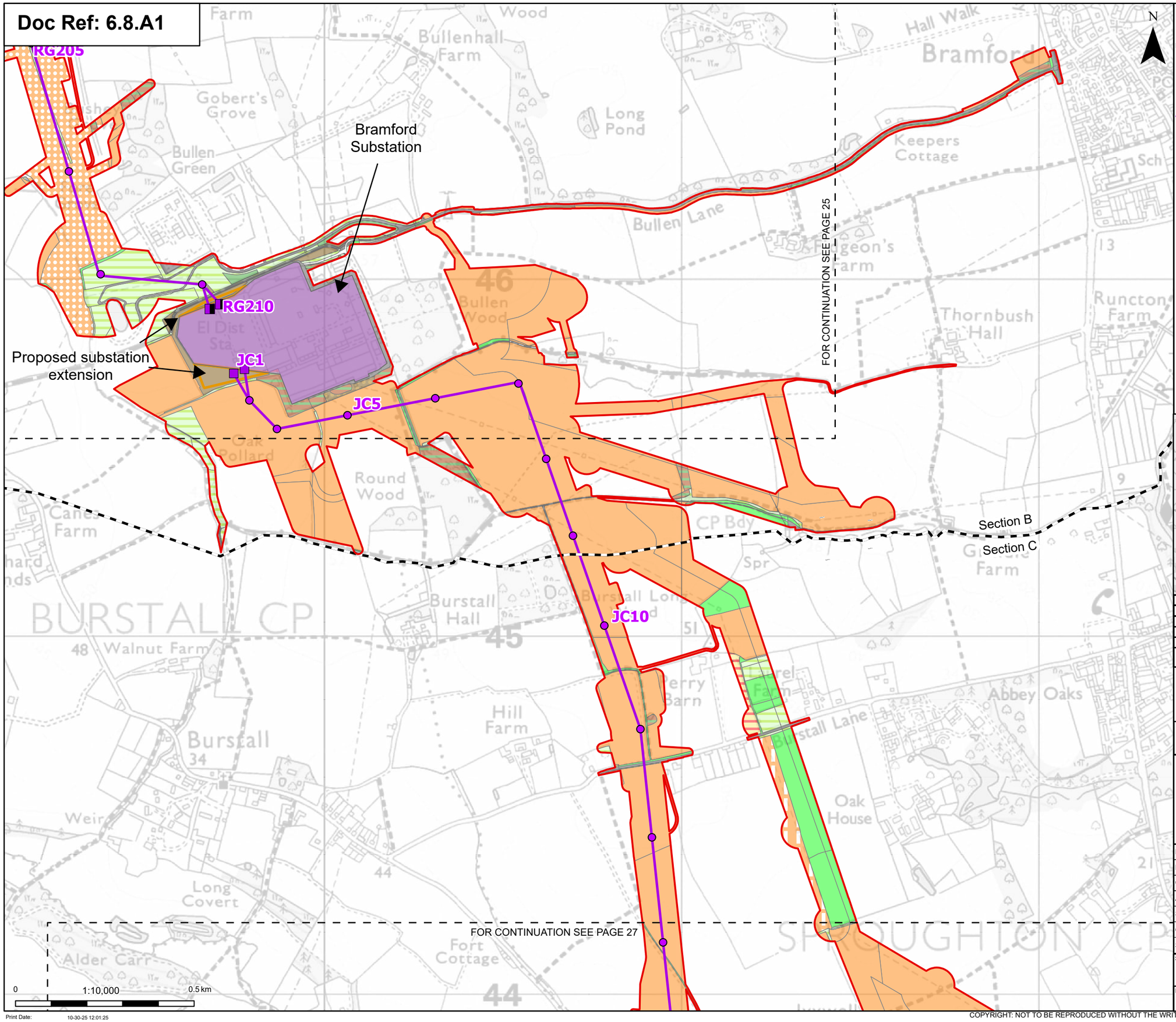
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Revision: B

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Doc Ref: 6.8.A1



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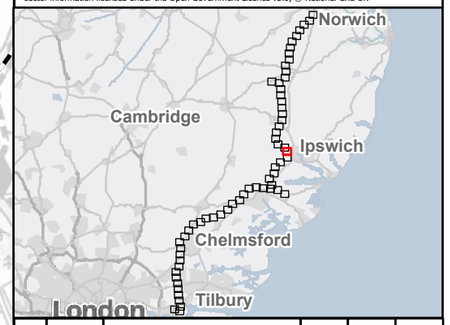
Proposed project design details

Proposed full line tension gantry
Proposed low duty gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Bramford Substation
Bramford Substation Extension
Arable field margins cultivated annually
Cereal crops
Non-cereal crops
Winter stubble
Modified grassland
Other neutral grassland
Bramble scrub
Mixed scrub
Artificial unvegetated, unsealed surface
Bare ground
Built linear features
Developed land; sealed surface
Vegetated garden
Ruderal/Ephemeral
Watercourse footprint
Lowland mixed deciduous woodland
Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections B and C
Page 26 of 63

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

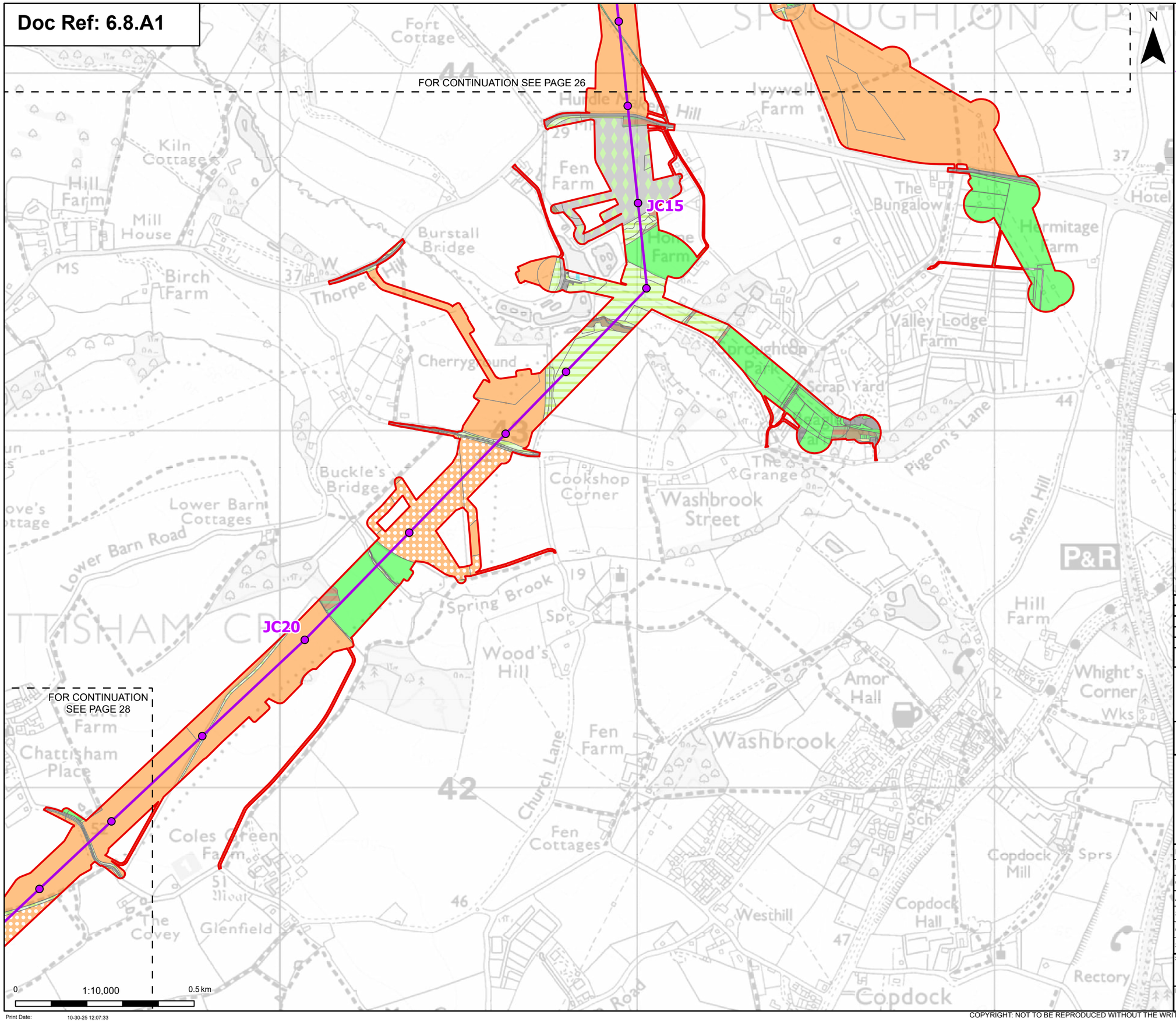
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 12:01:25

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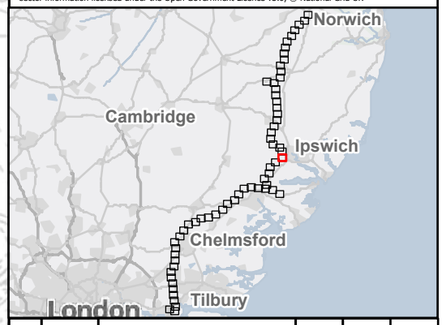
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ornamental lake or pond
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section C
Page 27 of 63

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

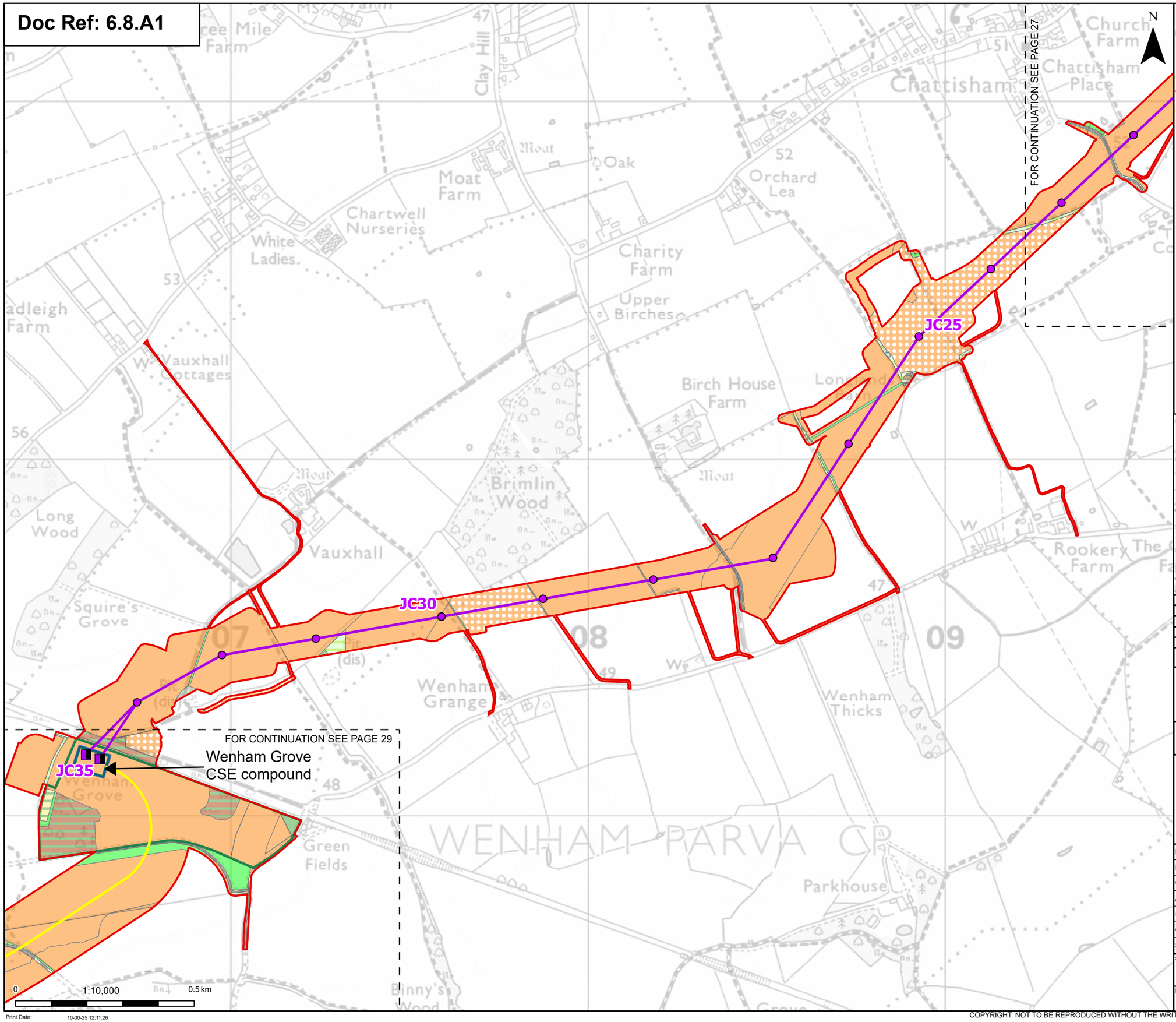
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 12:07:33

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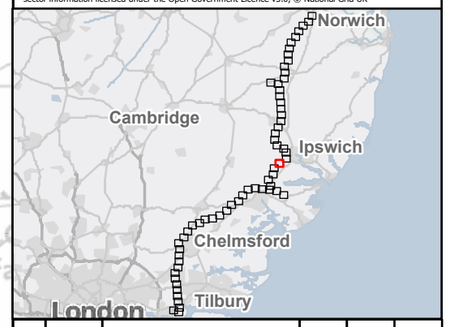
Proposed project design details

- 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
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Built linear features
- Developed land; sealed surface
- Tall forbs
- Ponds (priority habitat)
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section C
Page 28 of 63

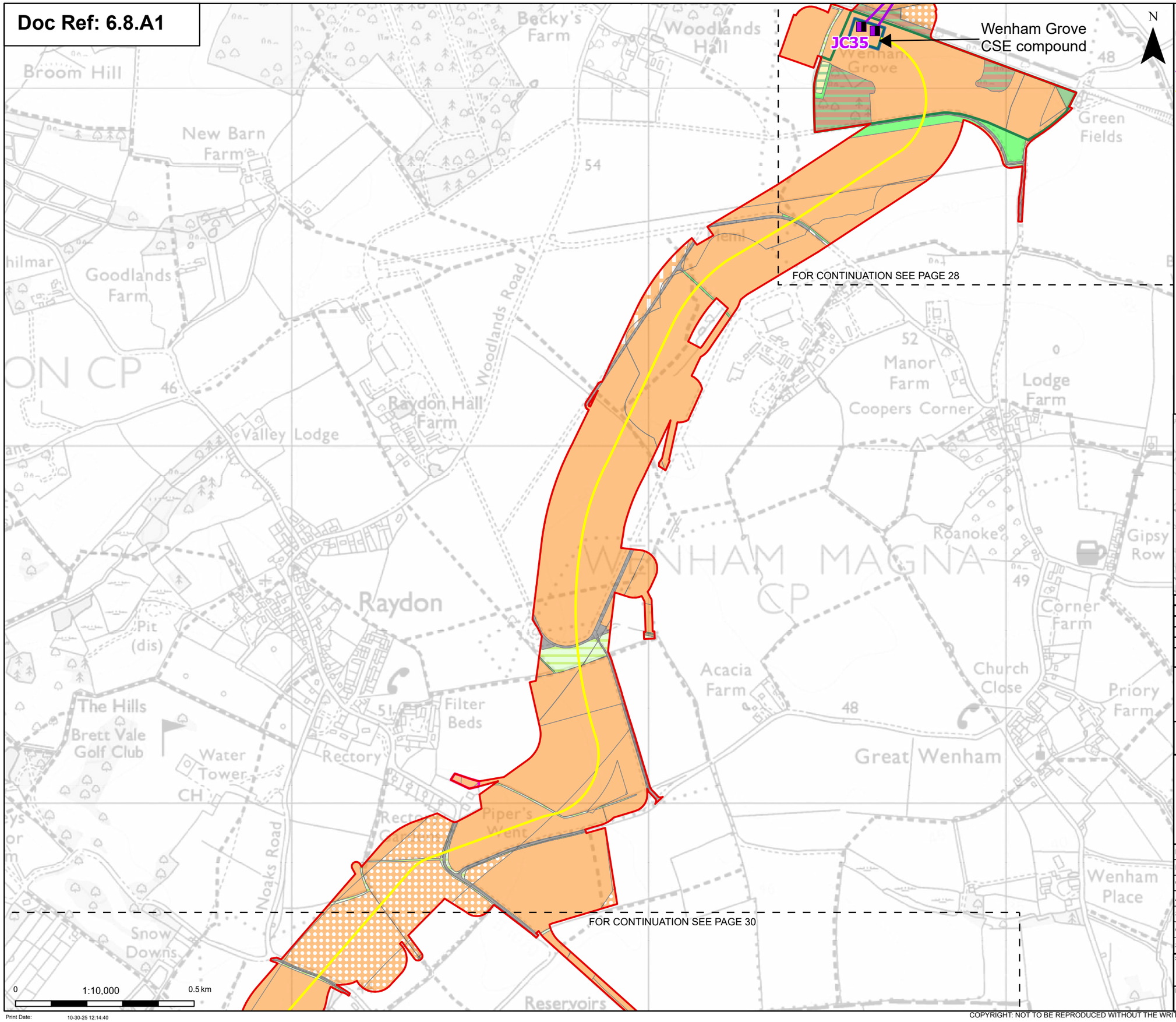
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Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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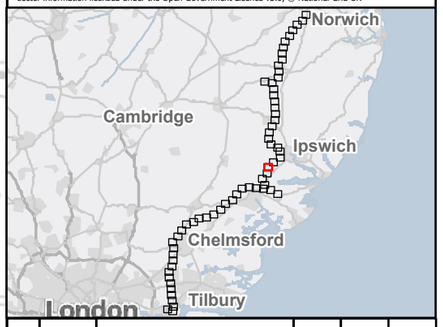
Proposed project design details

- Proposed full line tension gantry
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Cereal crops
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Built linear features
- Developed land; sealed surface
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results Section C Page 29 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

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FOR CONTINUATION SEE PAGE 29

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Print Date: 10-30-25 12:19:11

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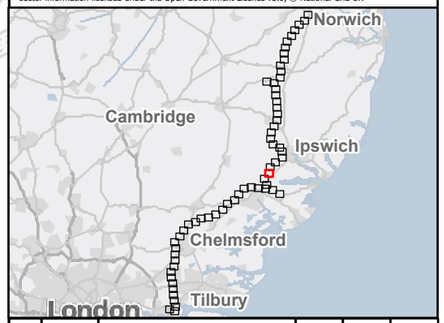
Proposed project design details

- Proposed underground cable alignment
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section C
Page 30 of 63

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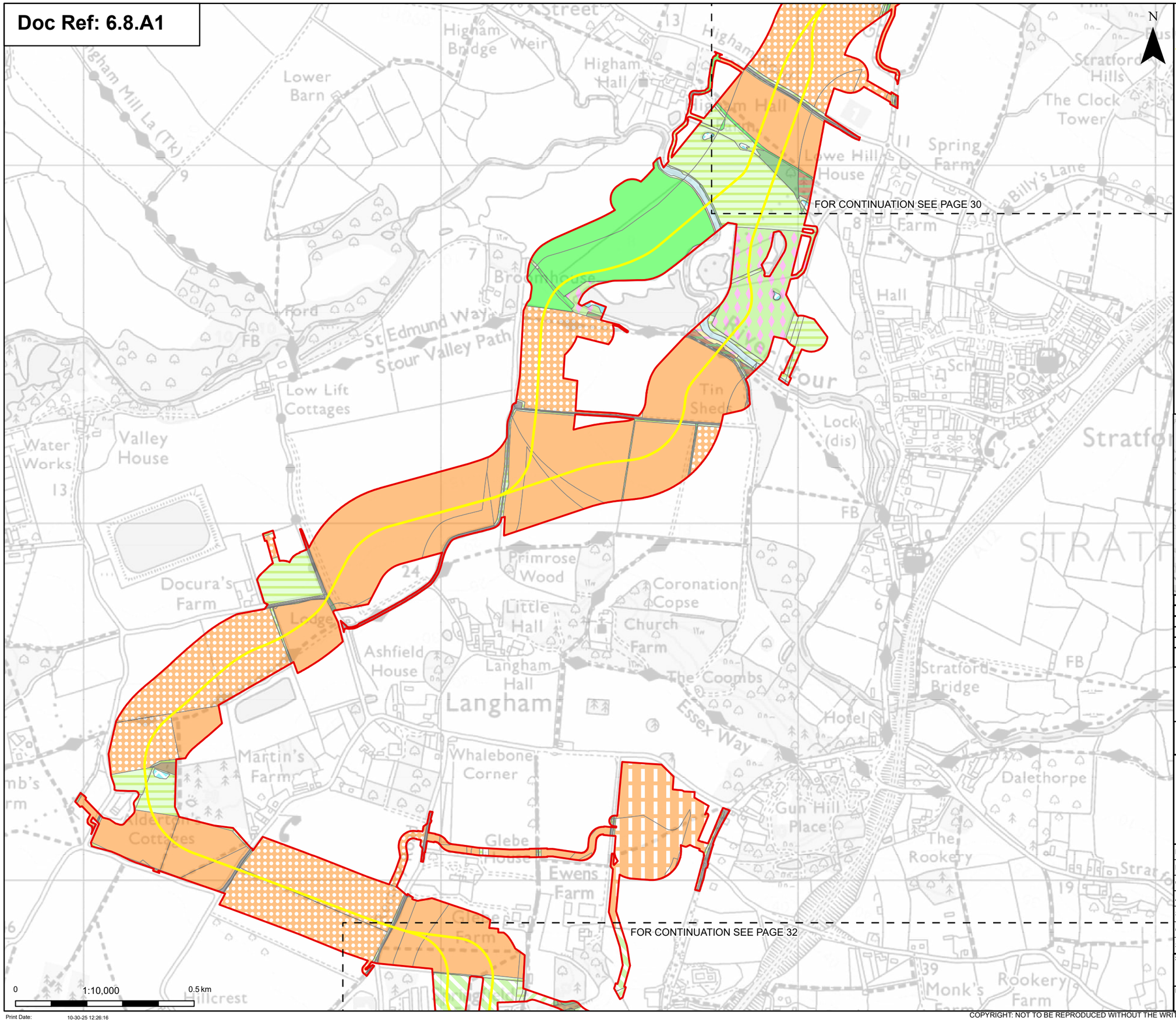
Accepted as Concept Stage

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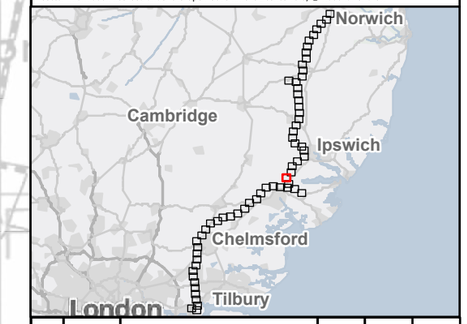
Proposed project design details

- Proposed underground cable alignment
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Winter stubble
- Bracken
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland
- Other lowland acid grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ponds (priority habitat)
- Reservoirs
- Watercourse footprint
- Reedbeds
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section C
Page 31 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

Revision: B

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FOR CONTINUATION SEE PAGE 31

FOR CONTINUATION SEE PAGE 35

FOR CONTINUATION SEE PAGE 33

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- Project section line

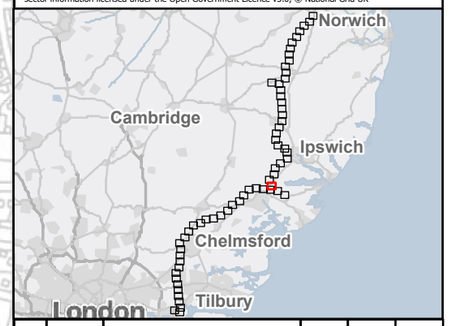
Proposed project design details

- Proposed underground cable alignment
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland
- Other lowland acid grassland
- Bramble scrub
- Mixed scrub
- Developed land; sealed surface
- Vegetated garden
- Tall forbs
- Ponds (priority habitat)
- Watercourse footprint
- Reedbeds
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results Sections C and D Page 32 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

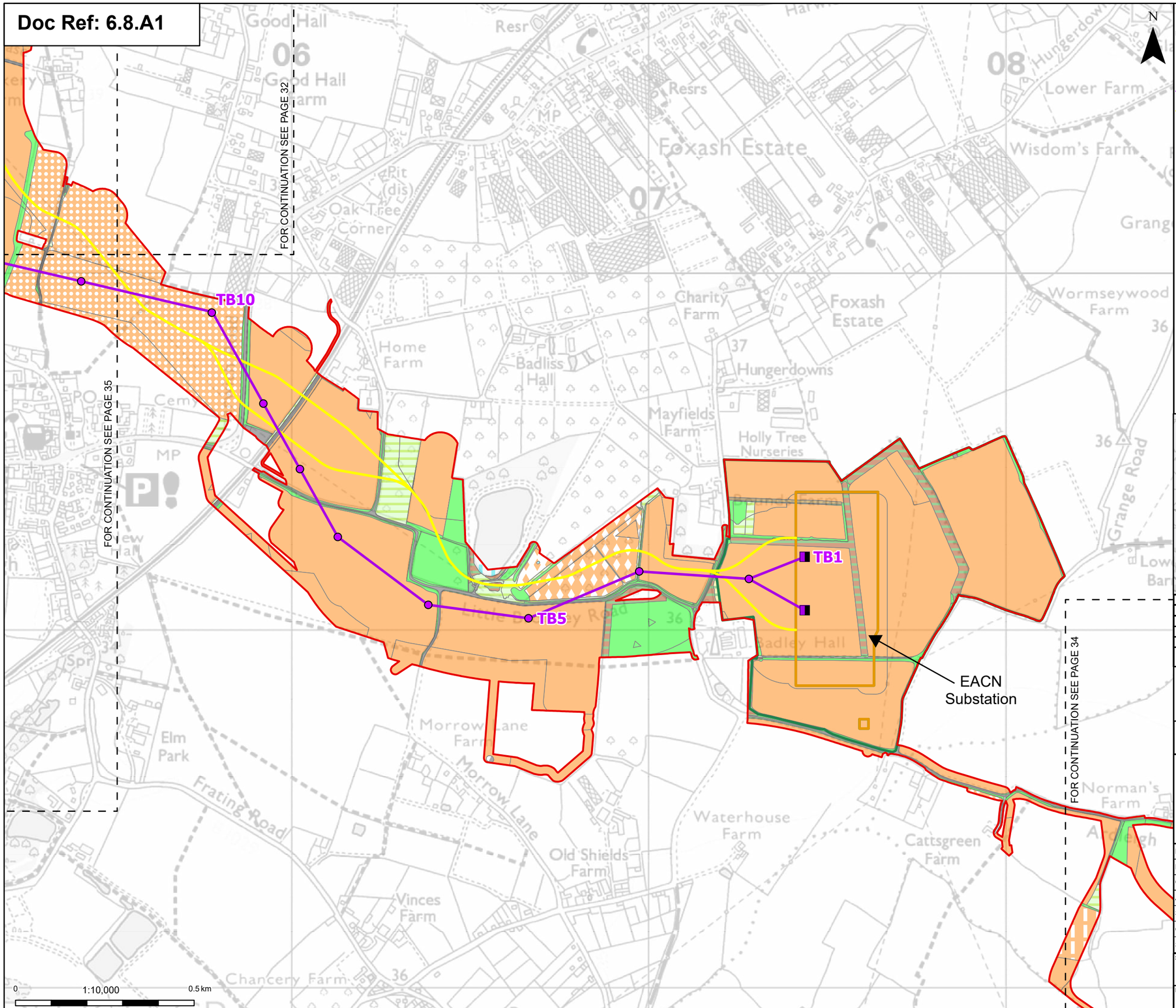
Revision: B

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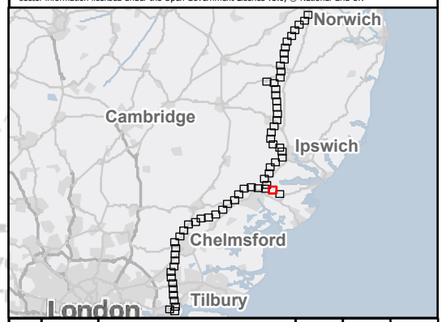
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Proposed project design details
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed DNO Substation
- Proposed East Anglia Connection Node (EACN) Substation
- Environmental area
- Cereal crops
- Horticulture
- Intensive orchards
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ornamental lake or pond
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section C
Page 33 of 63

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

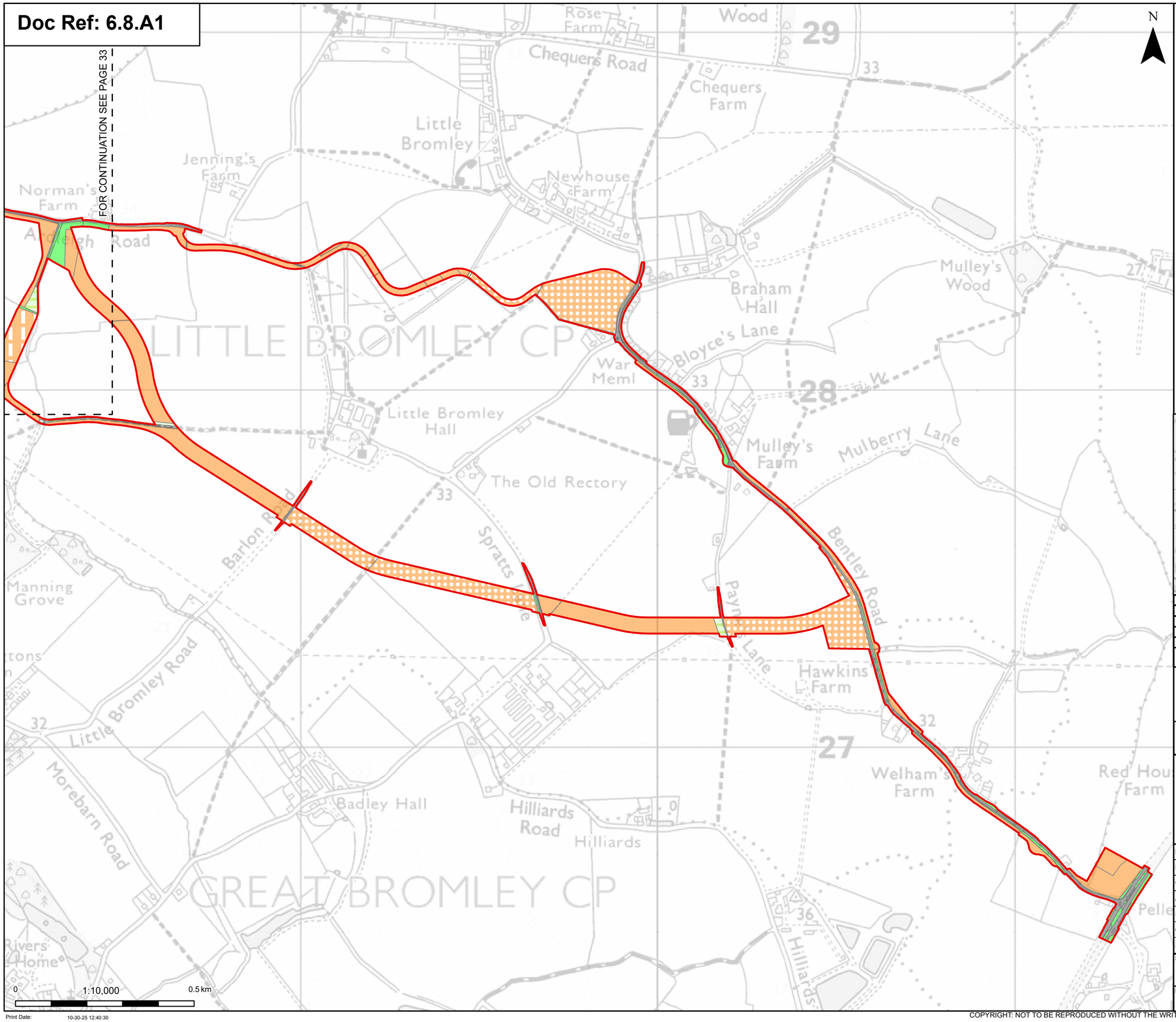
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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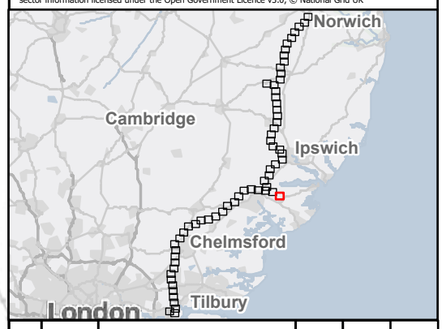


- Order limits
- Sheet index cutline
- Cereal crops
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section C
Page 34 of 63

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

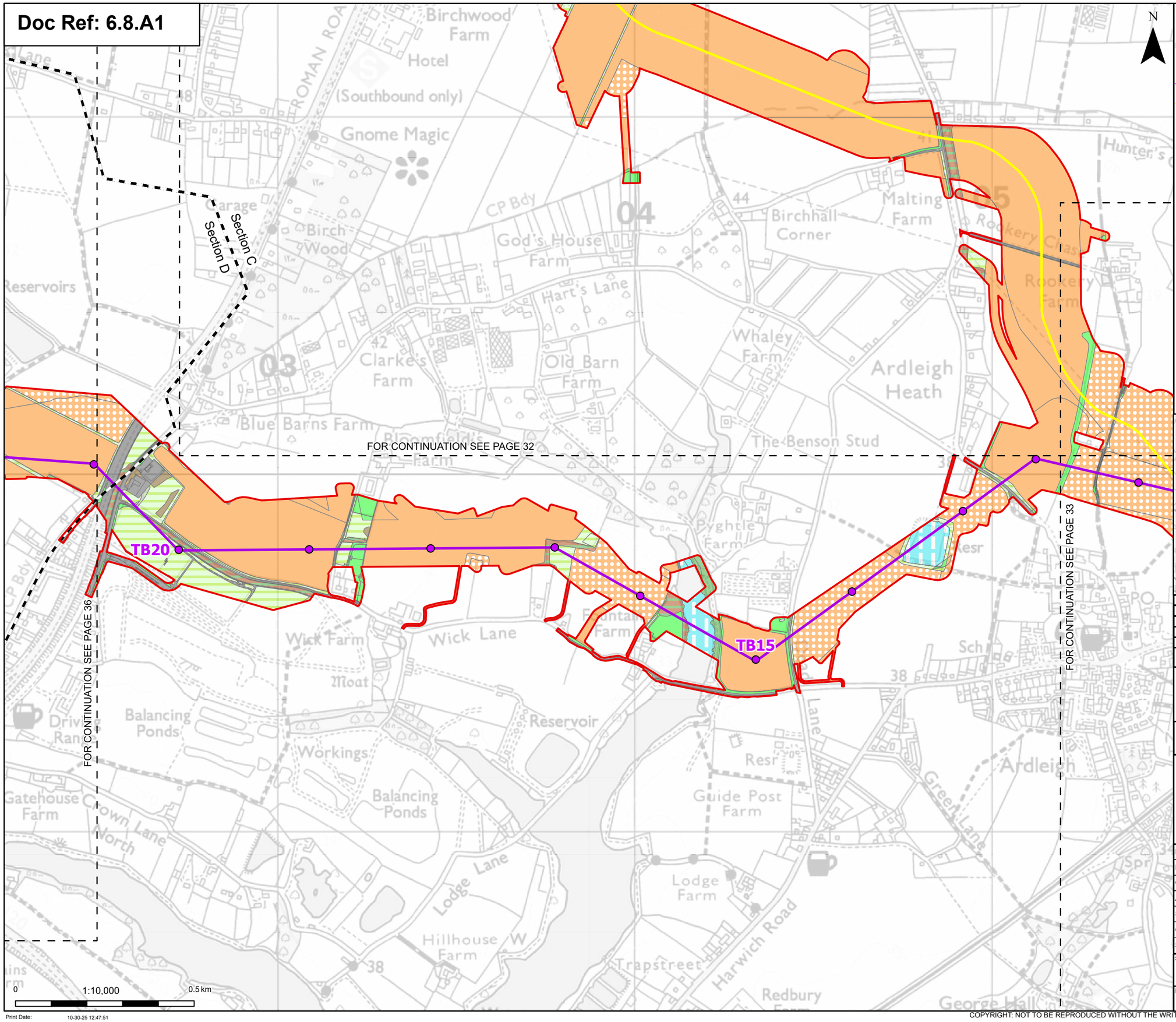
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 12:40:30

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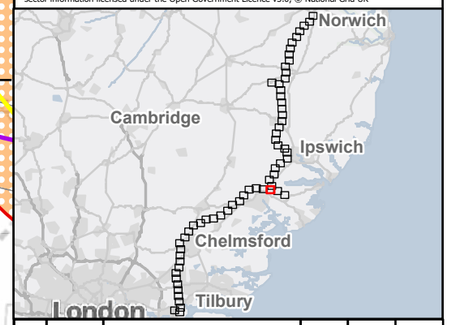
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Modified grassland
- Other neutral grassland
- Blackthorn scrub
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface
- Vegetated garden
- Tall forbs
- Reservoirs
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections C and D
Page 35 of 63

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

Suitability Description:
Accepted as Concept Stage

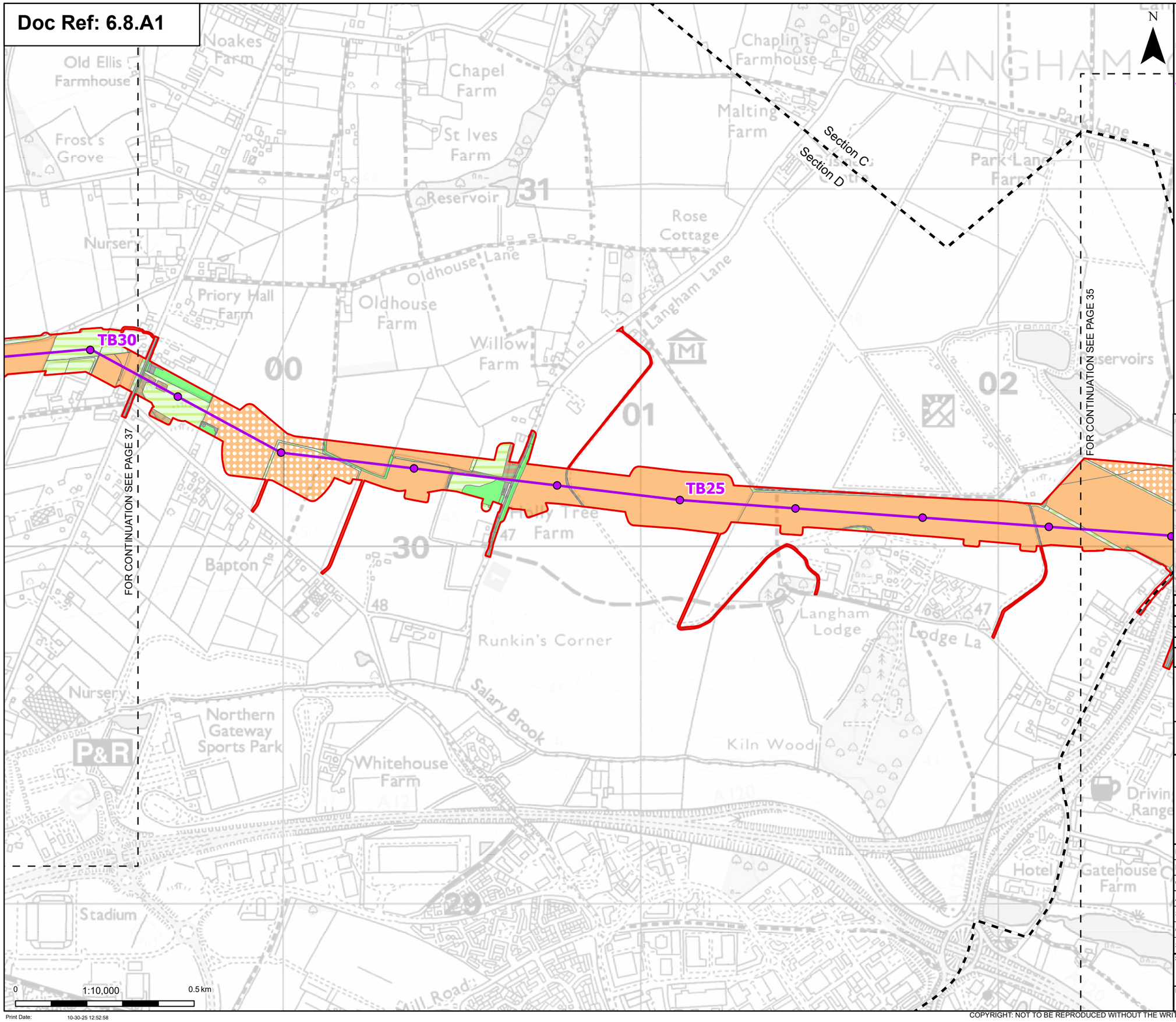
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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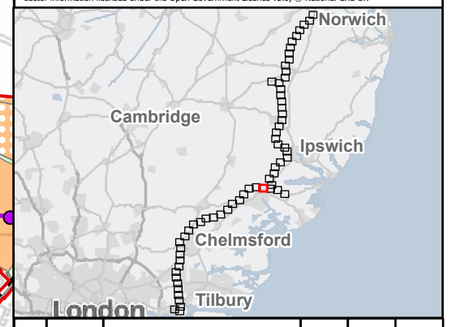
Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Cereal crops
Non-cereal crops
Bracken
Modified grassland
Other neutral grassland
Bramble scrub
Mixed scrub
Willow scrub
Allotments
Artificial unvegetated, unsealed surface
Bare ground
Developed land; sealed surface
Ruderal/Ephemeral
Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections C and D
Page 36 of 63

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

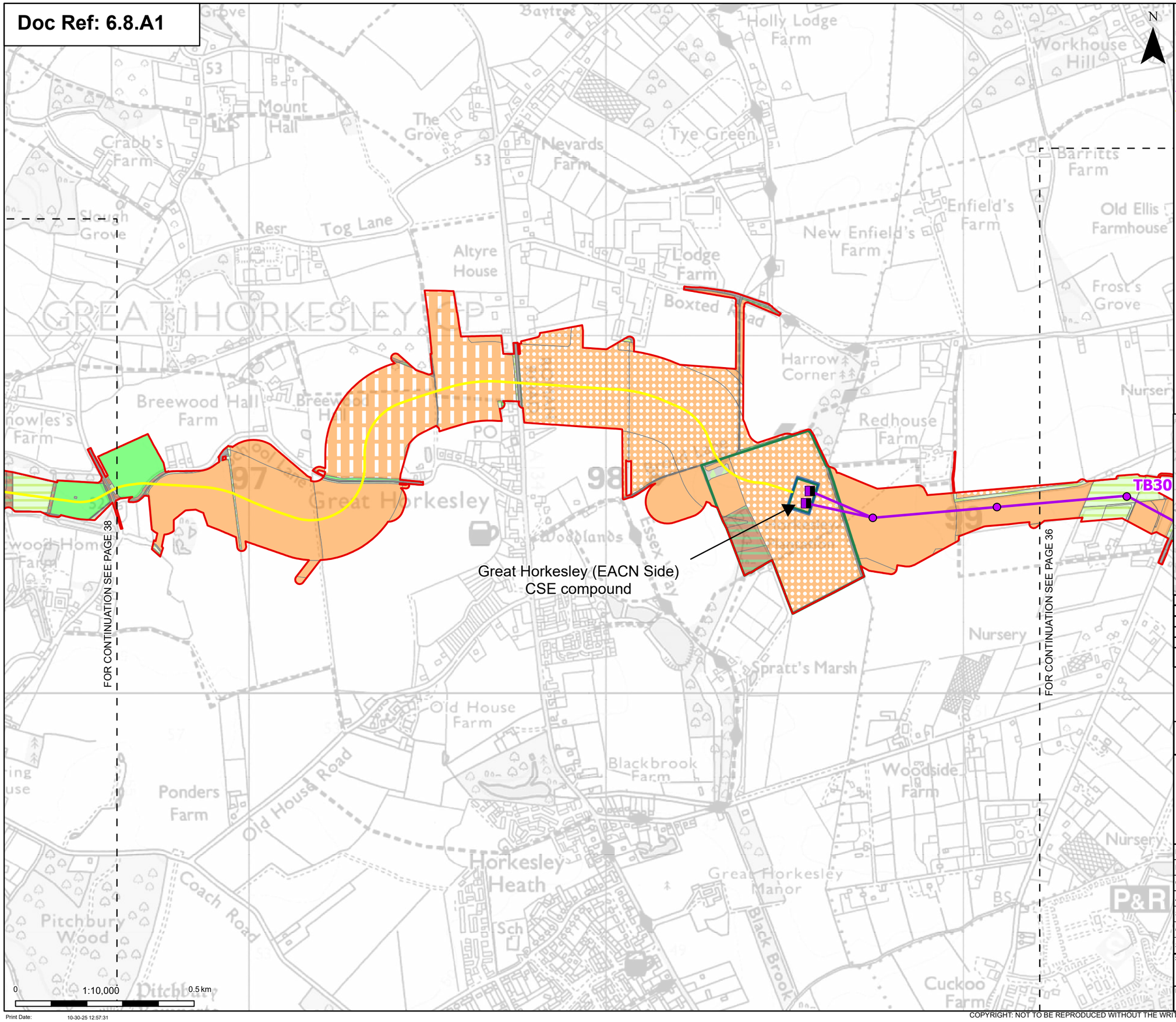
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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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
- Cereal crops
- Intensive orchards
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Allotments
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Tall forbs
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section D
Page 37 of 63

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

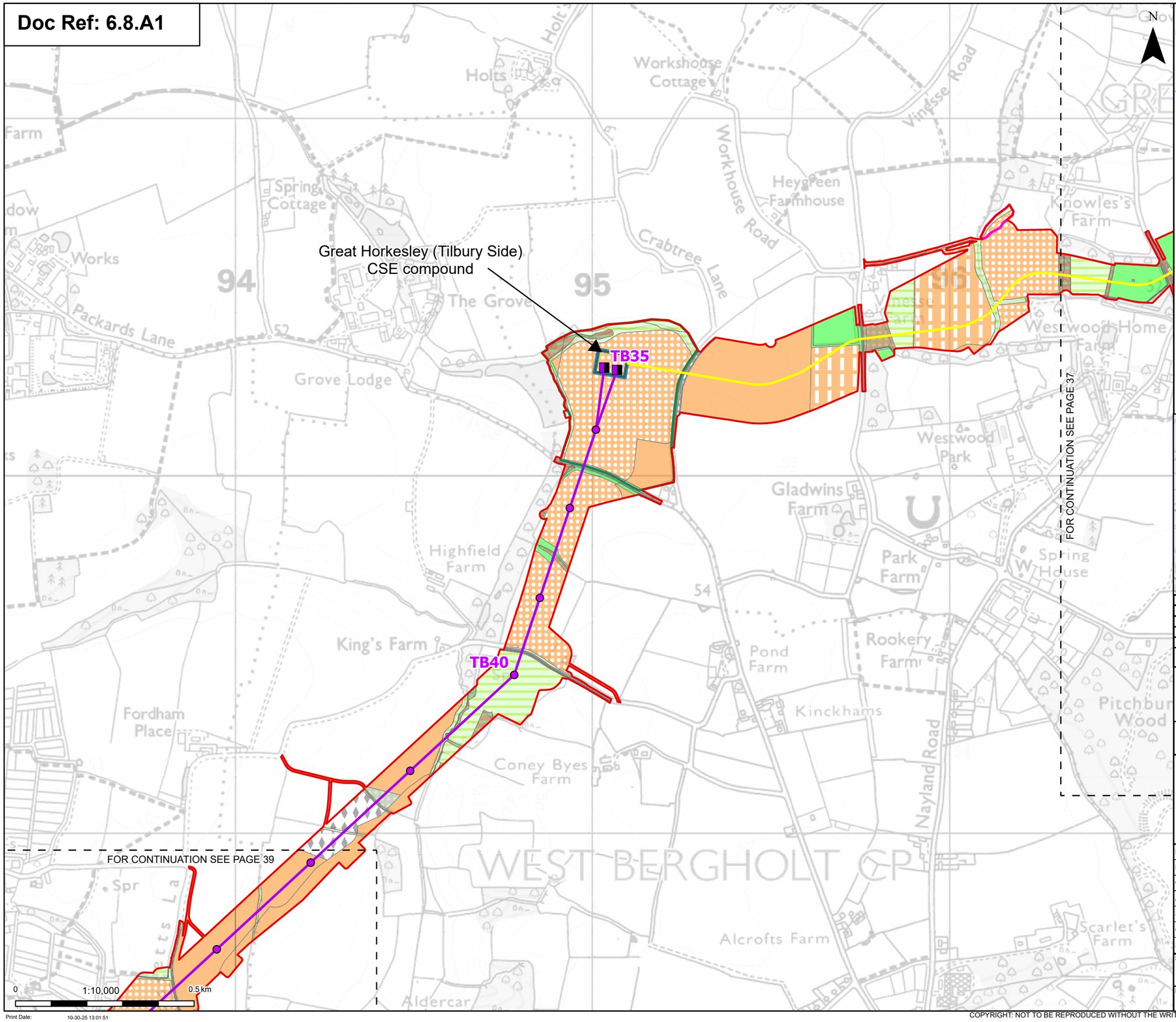
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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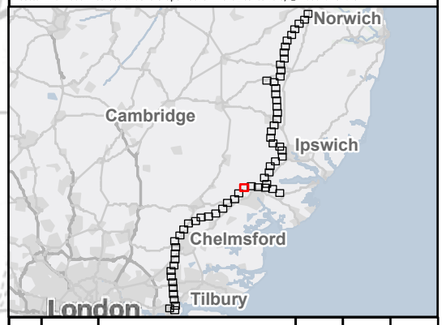
Proposed project design details

- 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
- Cereal crops
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Tall forbs
- Ornamental lake or pond
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results Section D Page 38 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

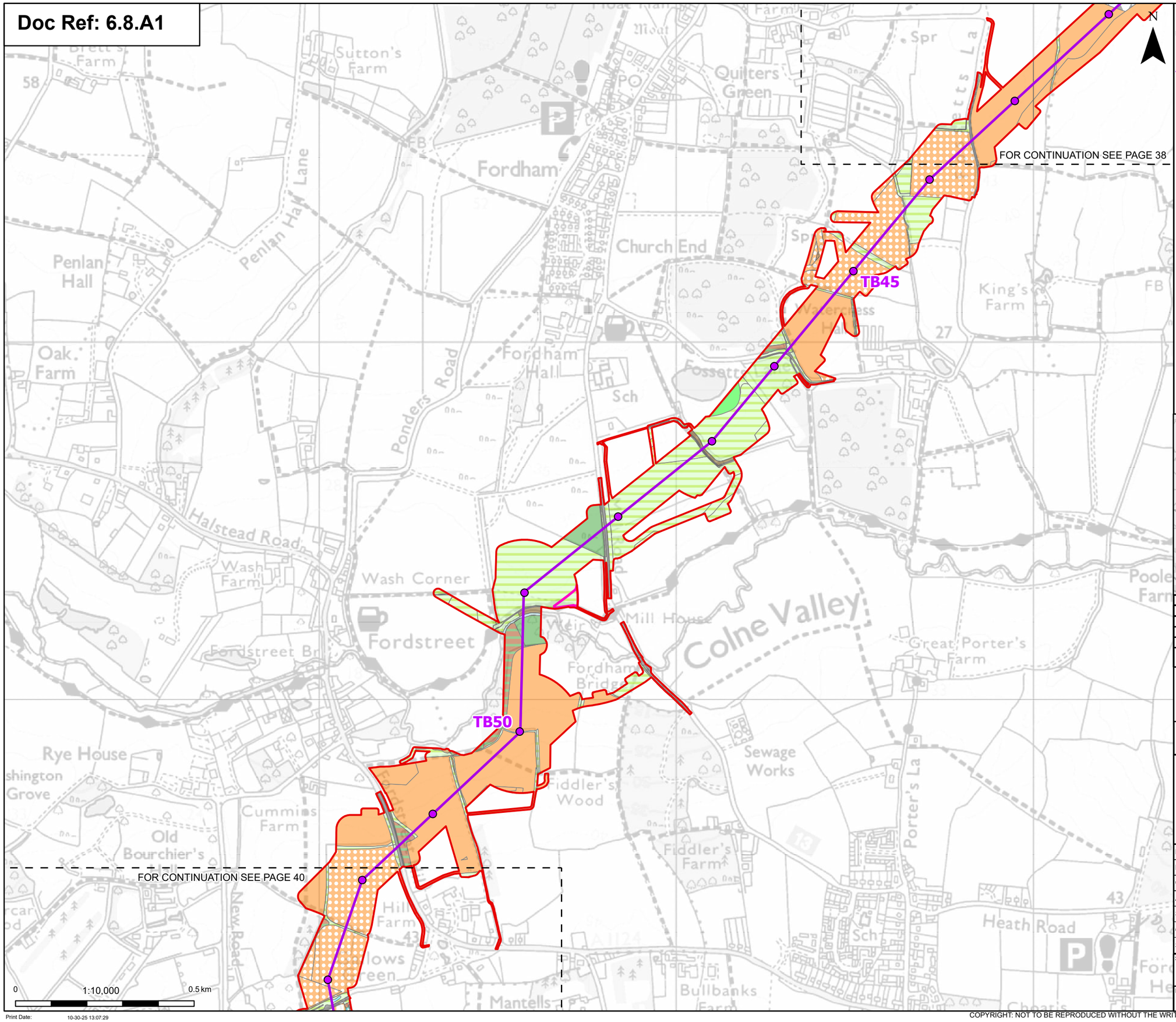
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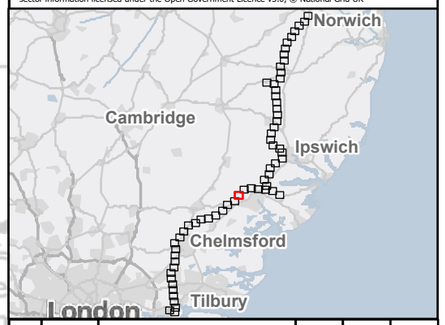
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Blackthorn scrub
- Mixed scrub
- Willow scrub
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Wet woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section D
Page 39 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Approved	K. Burrows	Date	October 25
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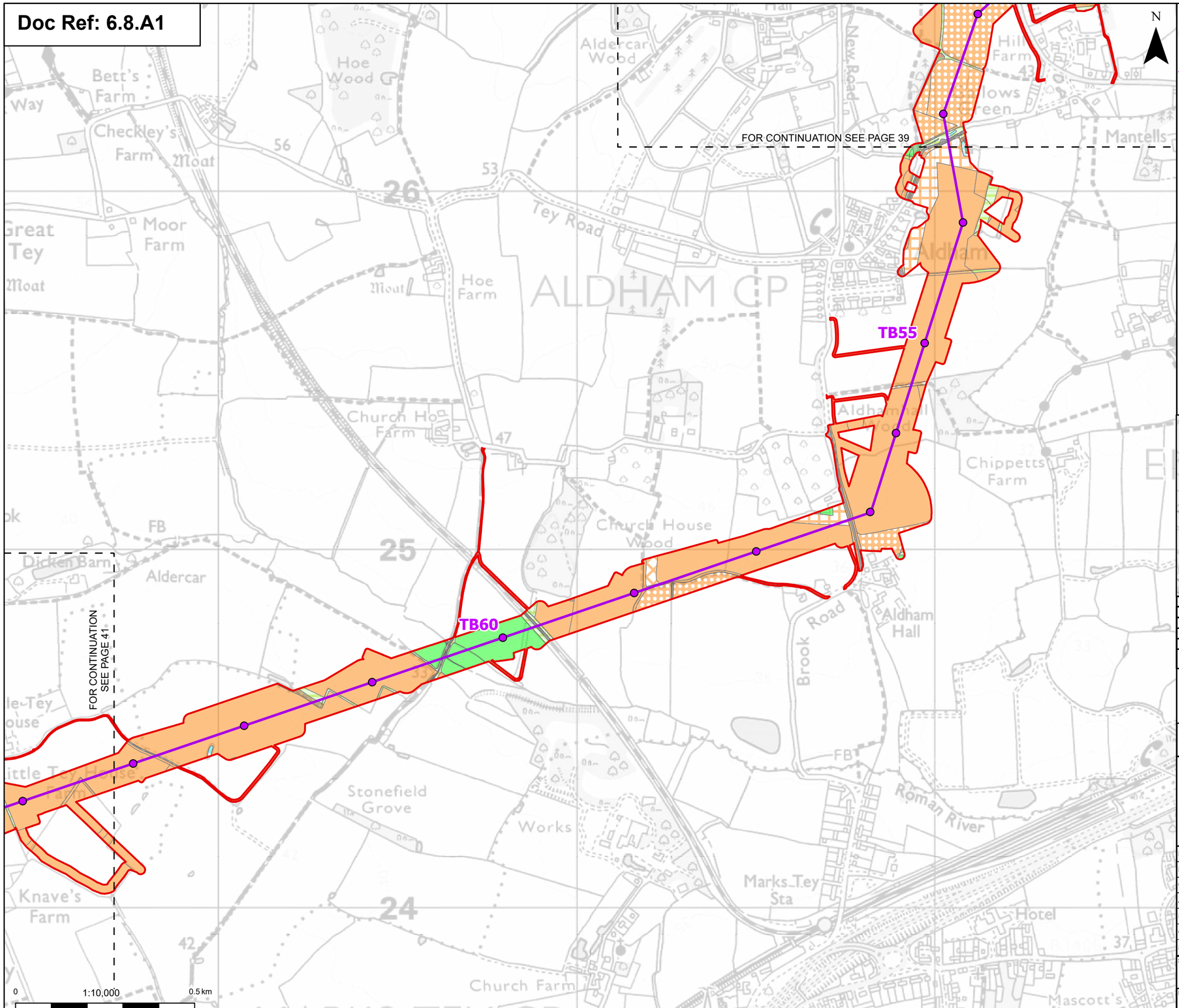
Suitability Description:
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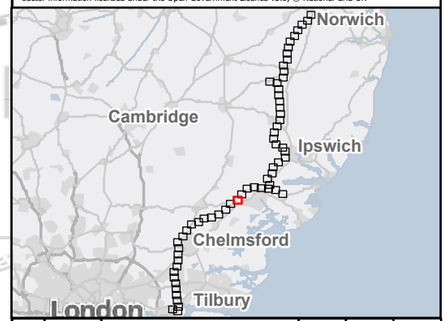
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Arable field margins game bird mix
- Arable field margins pollen and nectar
- Arable field margins tussocky
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section D
Page 40 of 63

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

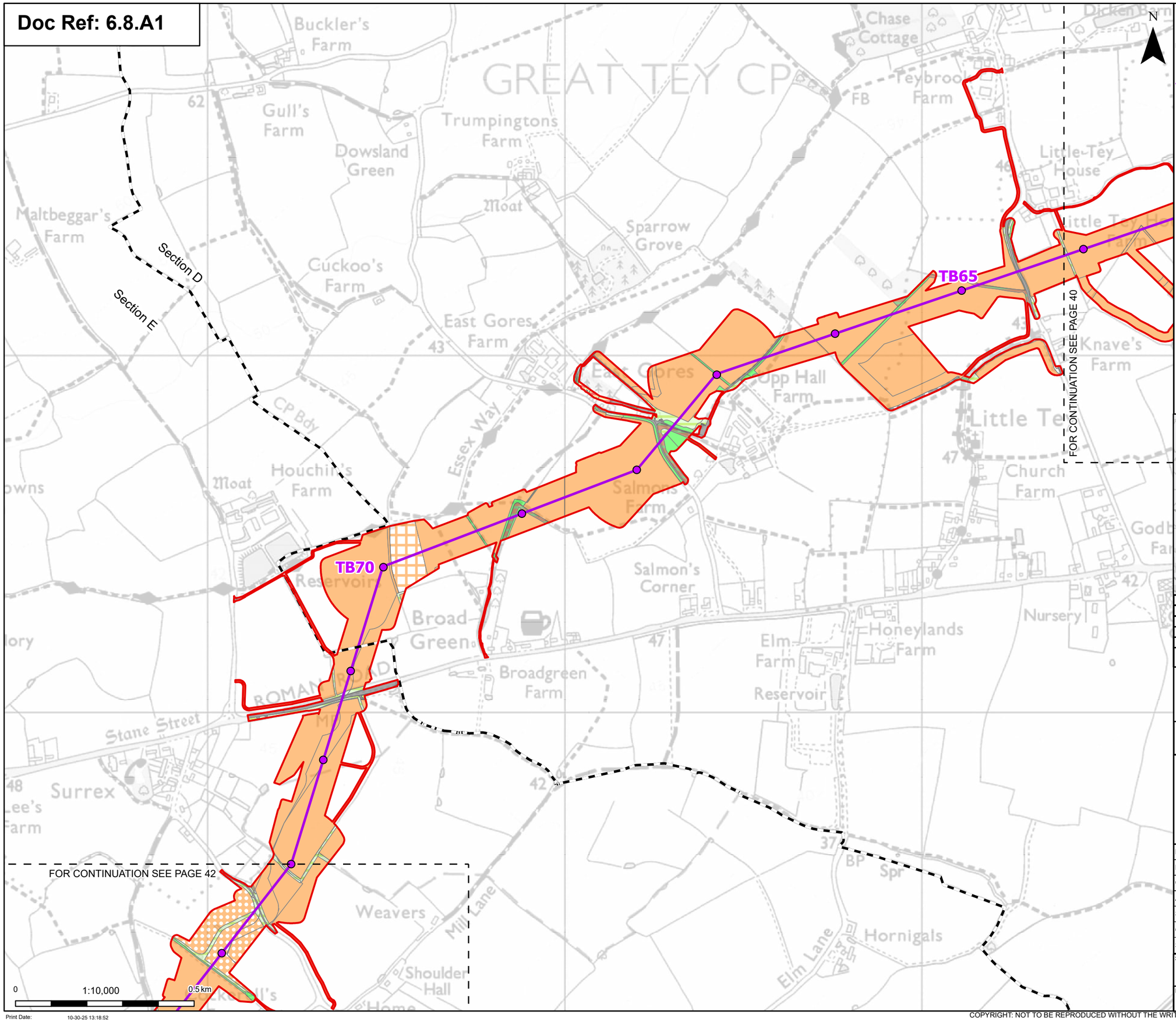
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 13:12:44

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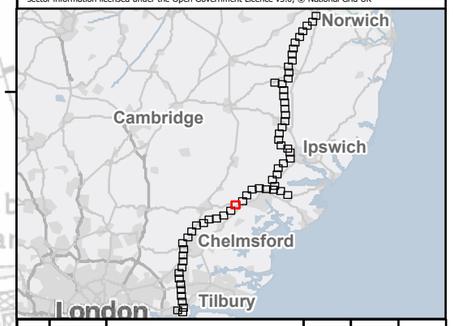
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results Sections D and E Page 41 of 63

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

Suitability Description: Accepted as Concept Stage

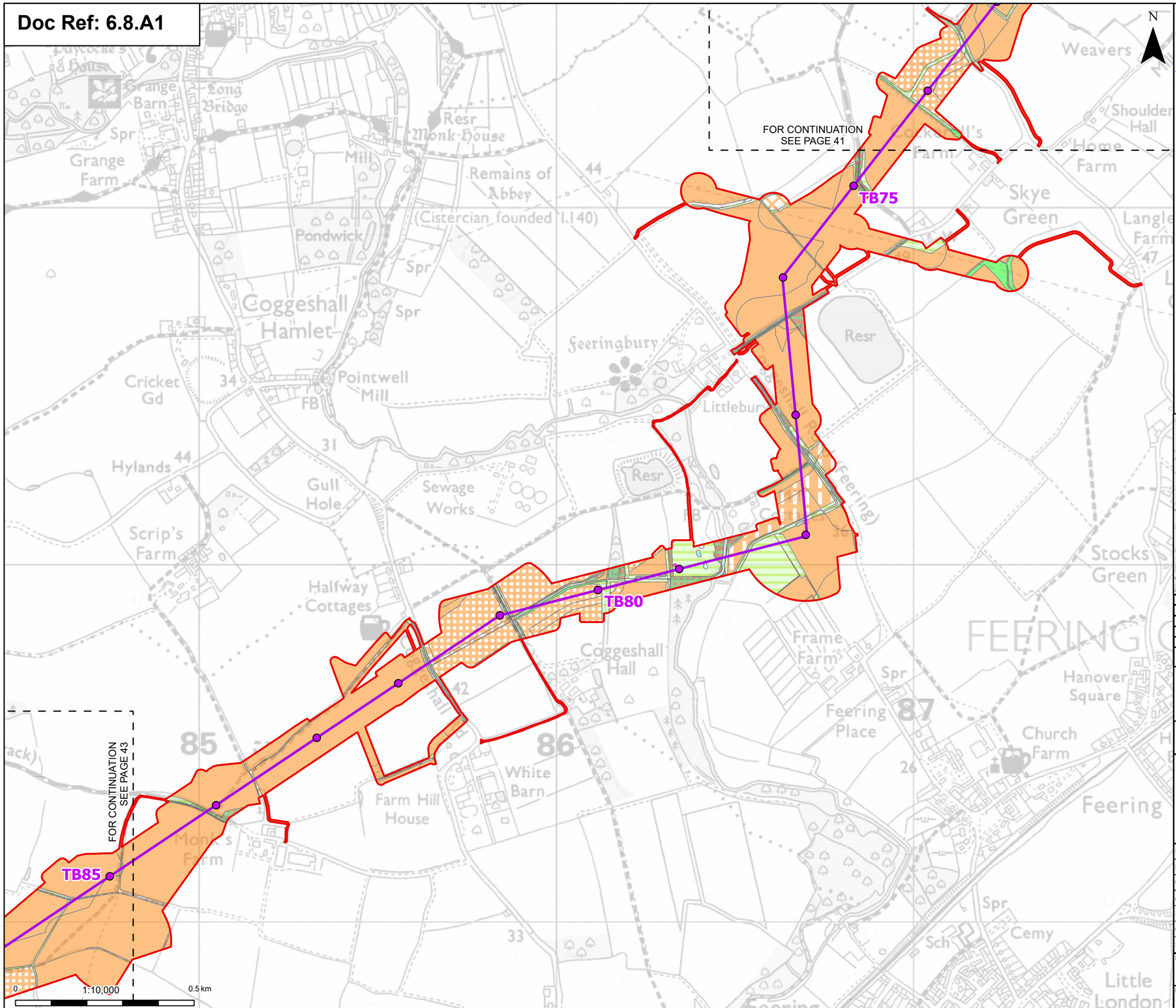
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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Doc Ref: 6.8.A1



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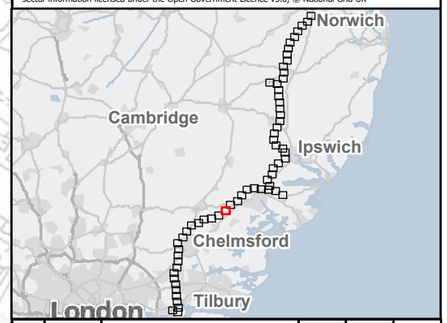
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Arable field margins cultivated annually
- Arable field margins pollen and nectar
- Cereal crops
- Intensive orchards
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vacant or derelict land
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section E
Page 42 of 63

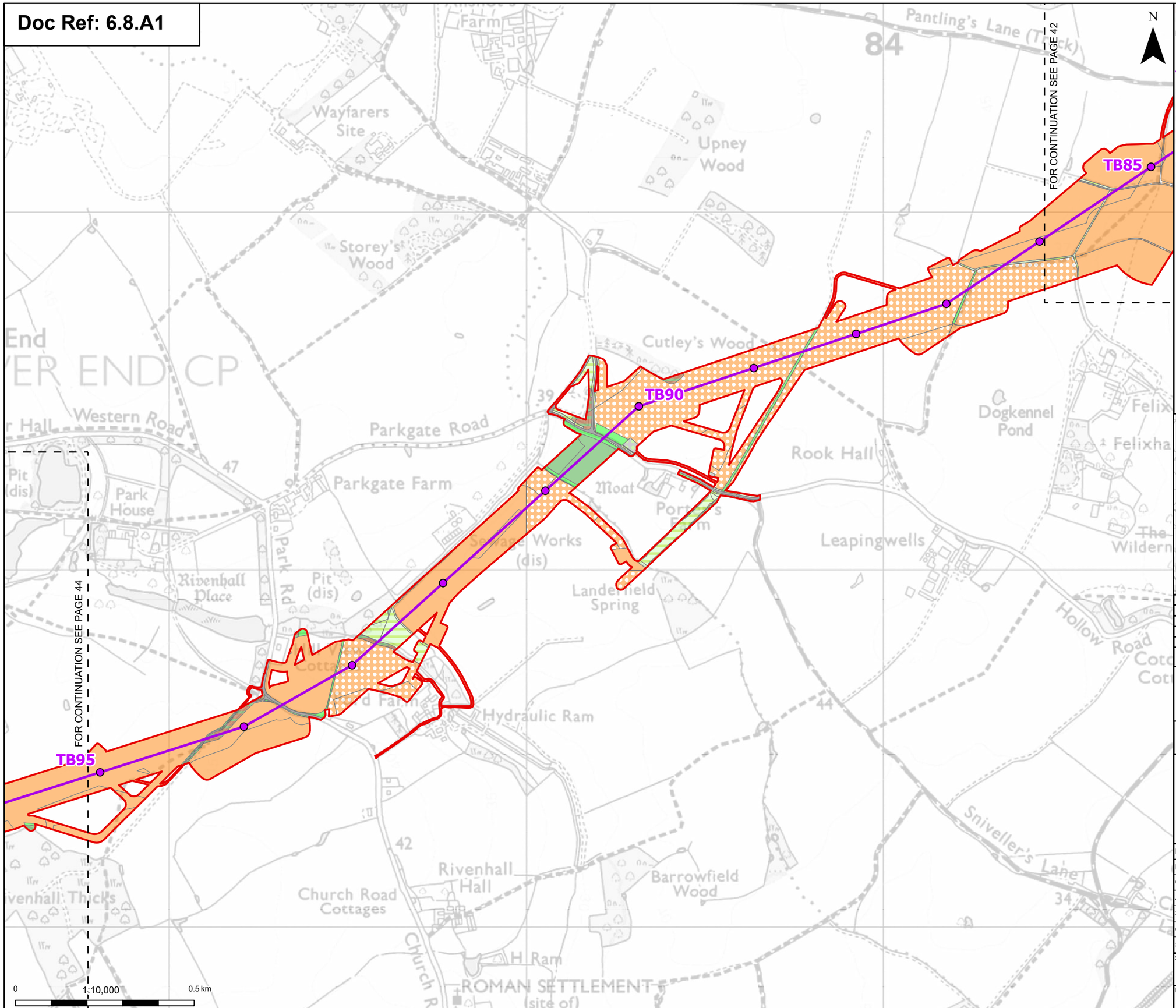
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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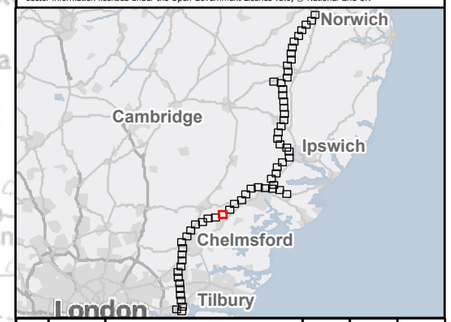
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Developed land; sealed surface
- Tall forbs
- Ponds (priority habitat)
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results Section E Page 43 of 63

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

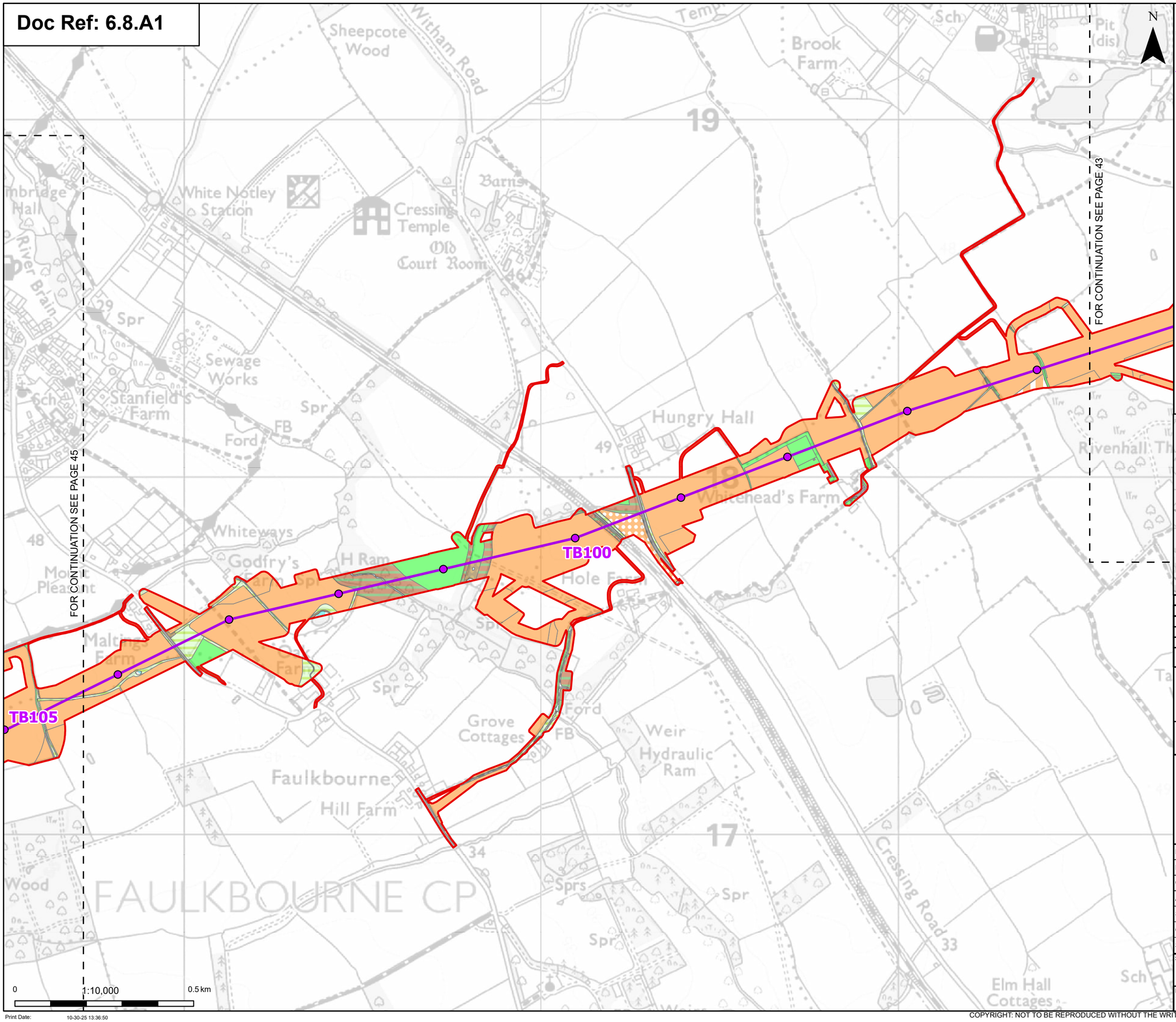
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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Doc Ref: 6.8.A1



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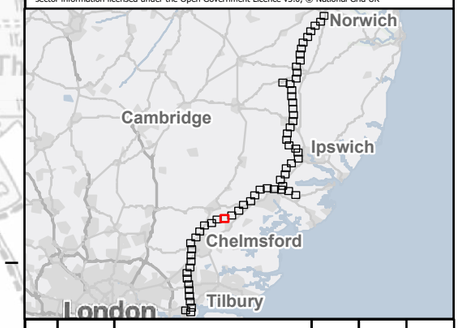
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ponds (priority habitat)
- Reservoirs
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section E
Page 44 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

Revision: B

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Fairstead (Tilbury Side) CSE compound

Fairstead (EACN Side) CSE compound

TB115

TB110

TB105

FOR CONTINUATION SEE PAGE 44

FOR CONTINUATION SEE PAGE 46

WHITE NOTLEY CP

FAIRSTEAD CP

Webb's Farm
Littlebury Farm
Lawn's Farm
Hazelton Wood
Great Walley Hall
Westock's Farm
Hill Farm
White Notley
Fambridge Hall
River Brain
Dines Hall
Moat
Hallhook Row
Galleycable Wood
Homecot
Cotmans
Beauchamps
Troys Hall
Troys Wood
Fairsteadhall Wood
Fairstead
Brickhouse Wood
Hookley Wood
Fairstead Hall Road
Fairstead Hall Farm
Resr
Phoenix Cottage
Troys Slated Cottages
Town House Cottages
Little Loyes
Blue House
Ivy Wood
Pink Lane
Mour Pleasa

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0 1:10,000 0.5 km

Print Date: 10-30-25 13:40:35

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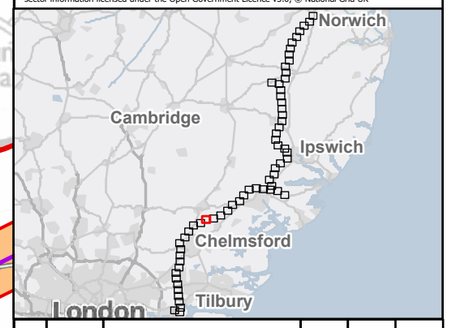
Proposed project design details

- 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
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Built linear features
- Developed land; sealed surface
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section E
Page 45 of 63

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

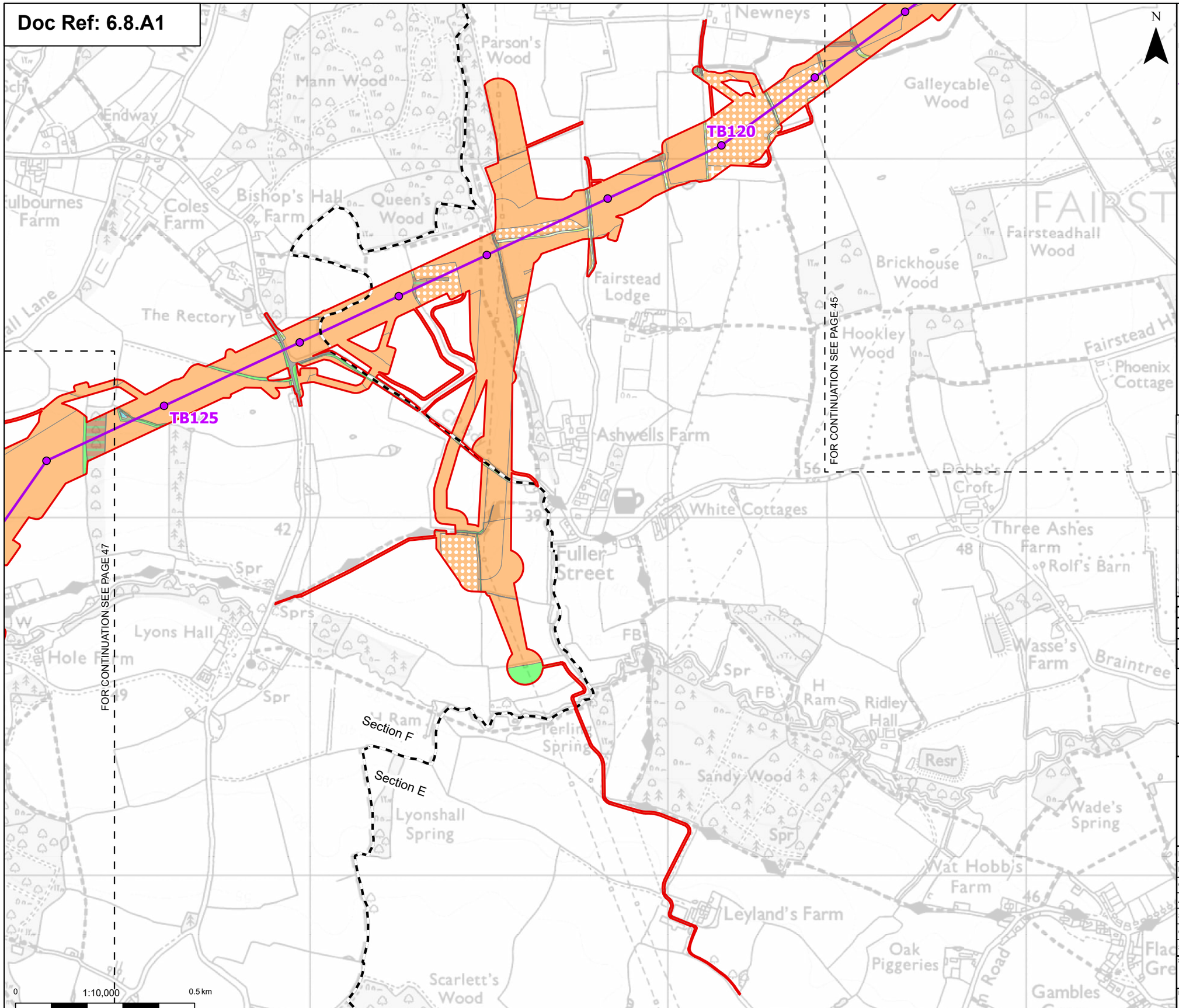
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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Doc Ref: 6.8.A1



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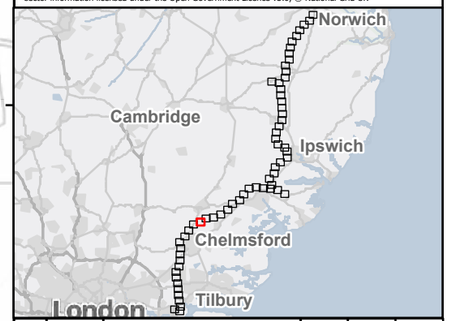
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections E and F
Page 46 of 63

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

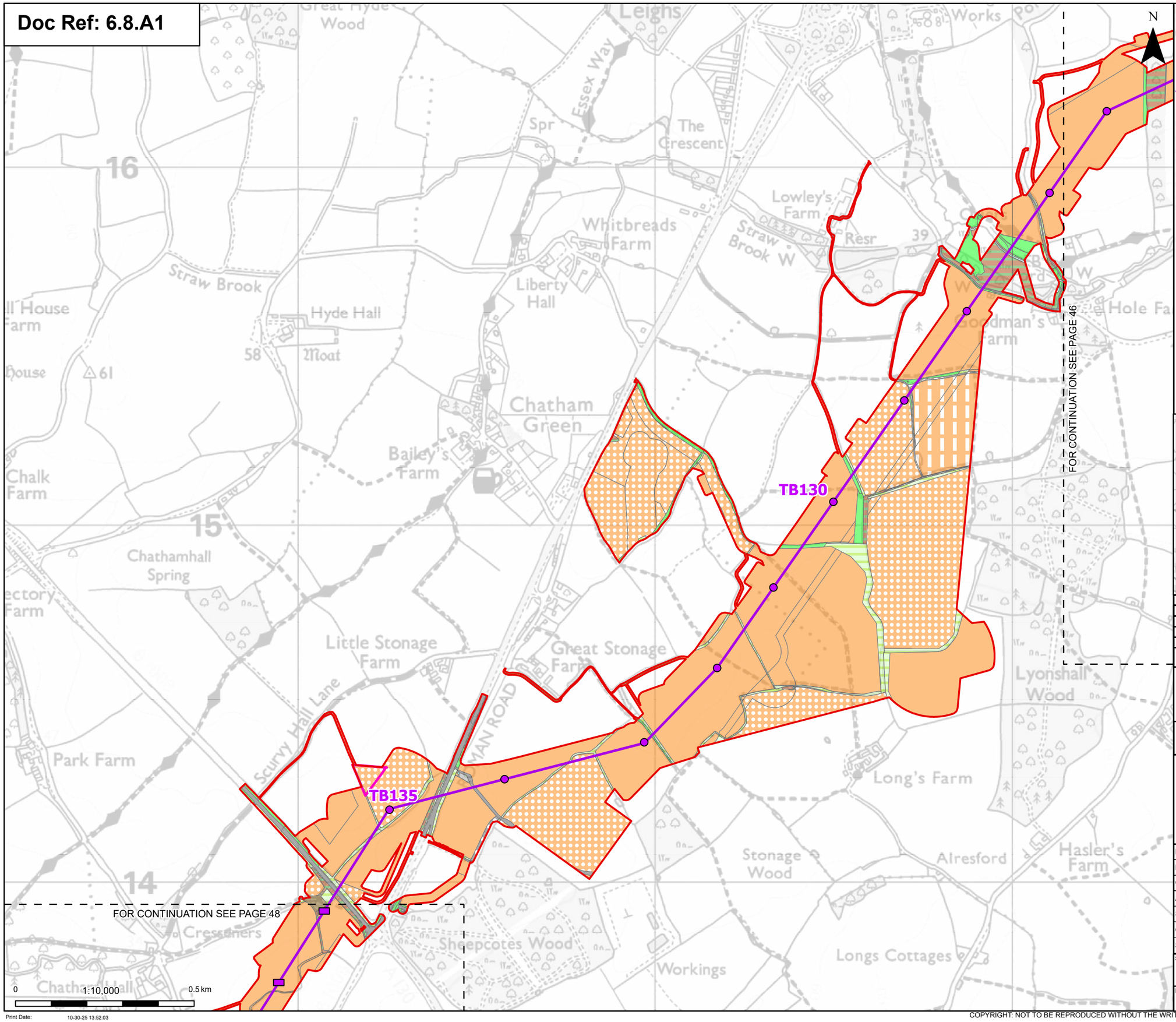
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 13:45:45

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Proposed project design details

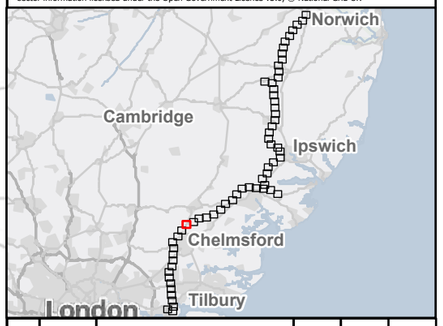
Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation

Arable field margins cultivated annually
Cereal crops
Non-cereal crops
Winter stubble
Modified grassland
Other neutral grassland
Blackthorn scrub
Bramble scrub
Artificial unvegetated, unsealed surface
Bare ground
Built linear features
Developed land; sealed surface
Ruderal/Ephemeral
Ponds (priority habitat)
Ponds (non-priority habitat)
Watercourse footprint
Lowland mixed deciduous woodland
Other woodland; broadleaved
Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section F
Page 47 of 63

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

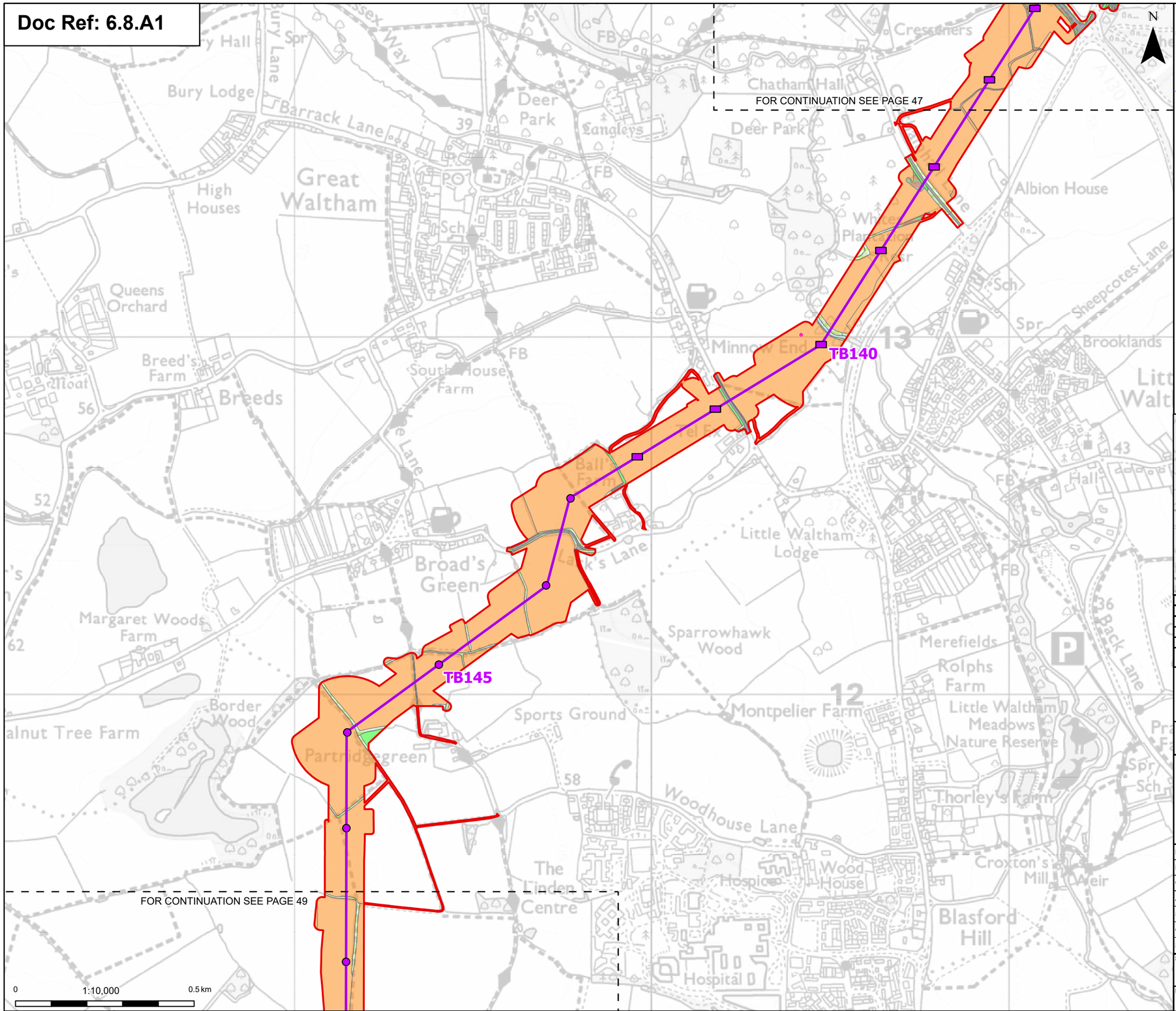
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 13:52:03

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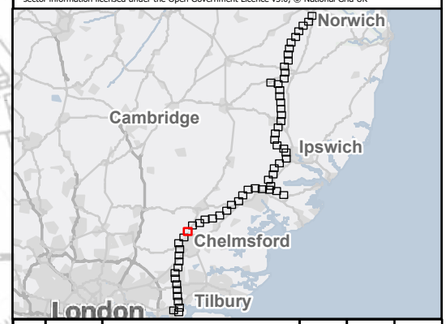
Proposed project design details

Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Cereal crops
Modified grassland
Other neutral grassland
Blackthorn scrub
Artificial unvegetated, unsealed surface
Developed land; sealed surface
Watercourse footprint
Lowland mixed deciduous woodland
Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section F
Page 48 of 63

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

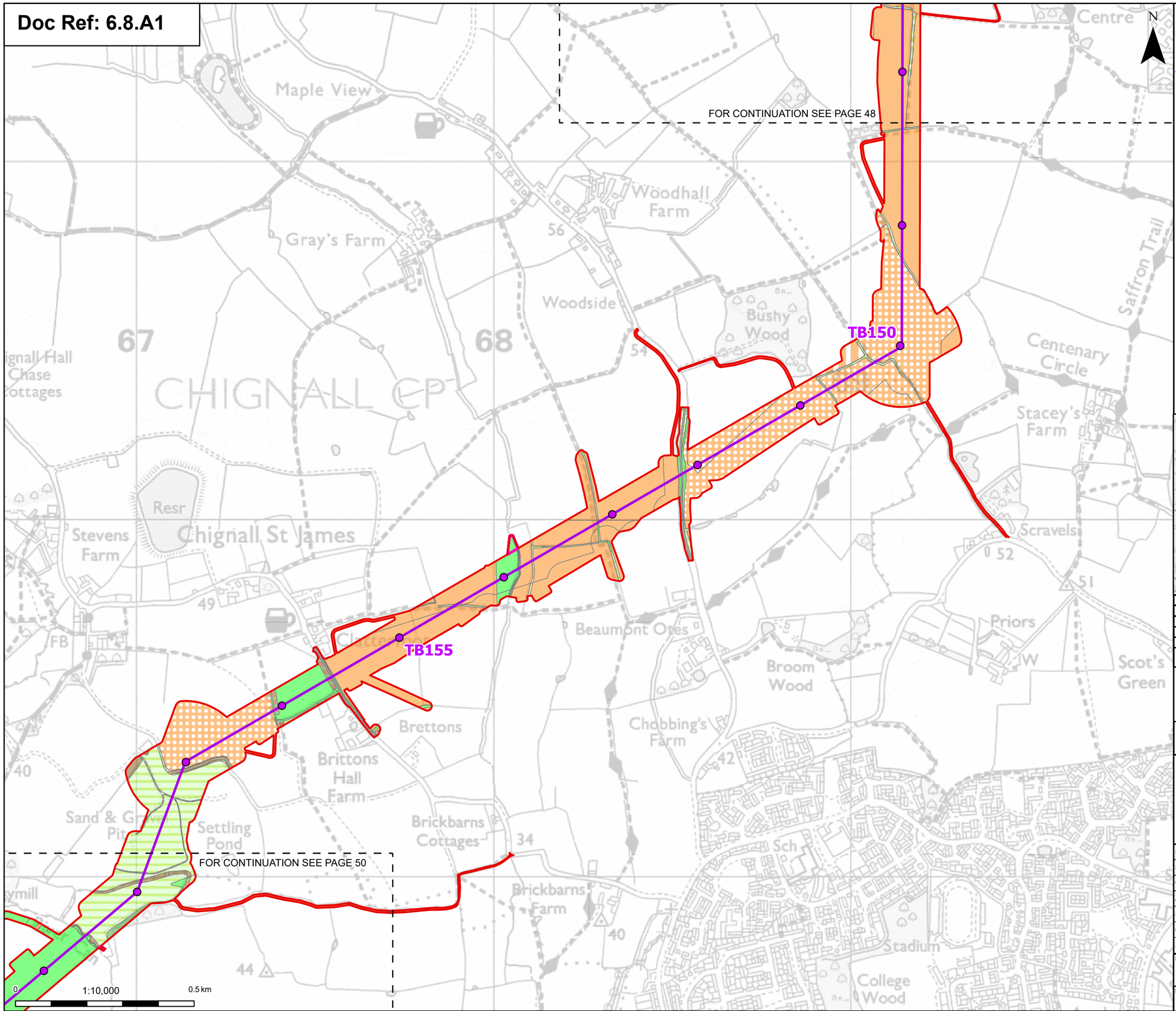
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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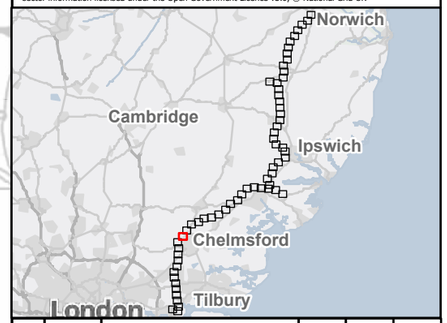
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section F
Page 49 of 63

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

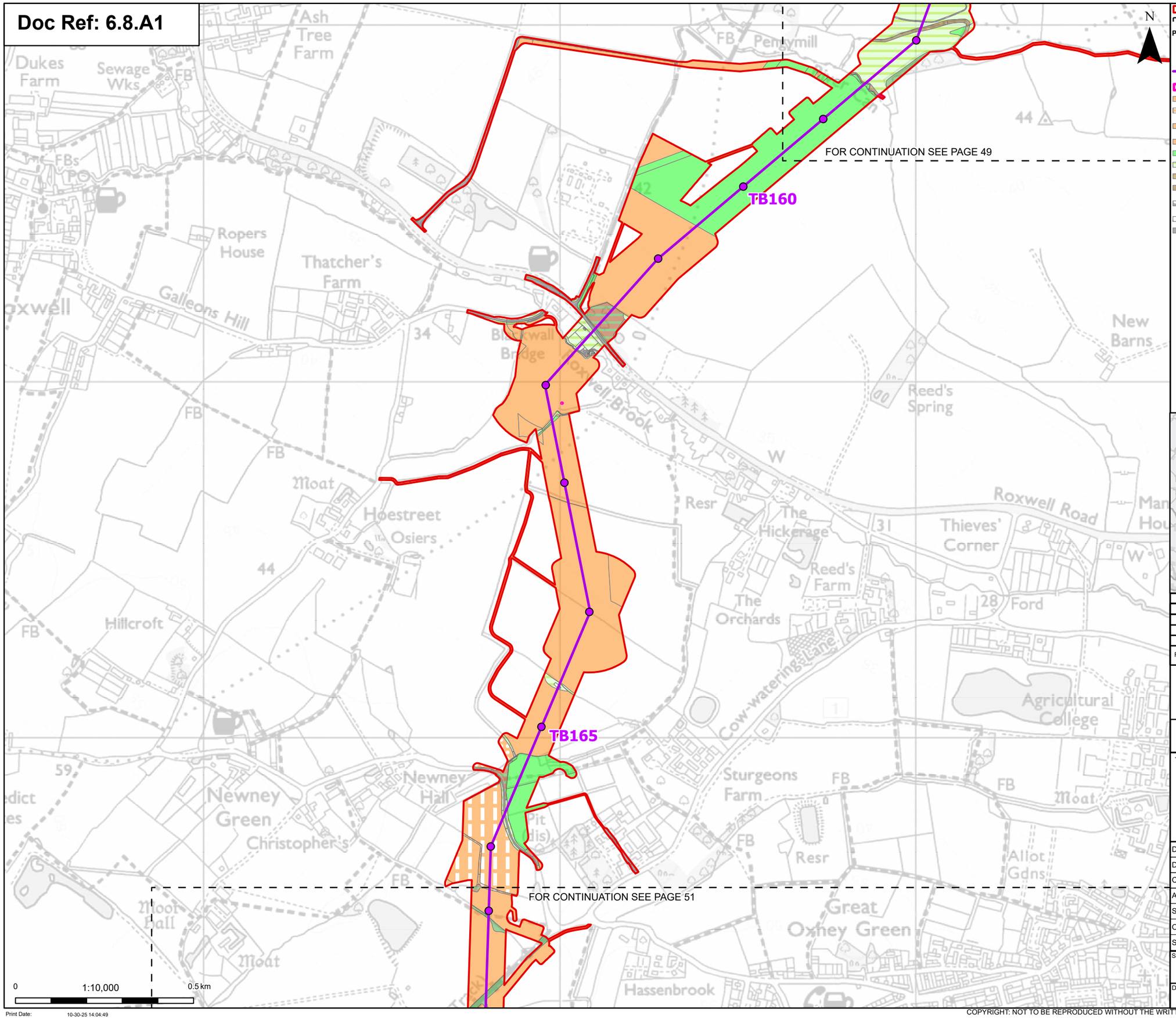
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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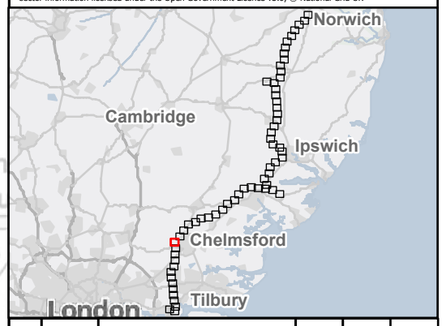
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ruderal/Ephemeral
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section F
Page 50 of 63

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

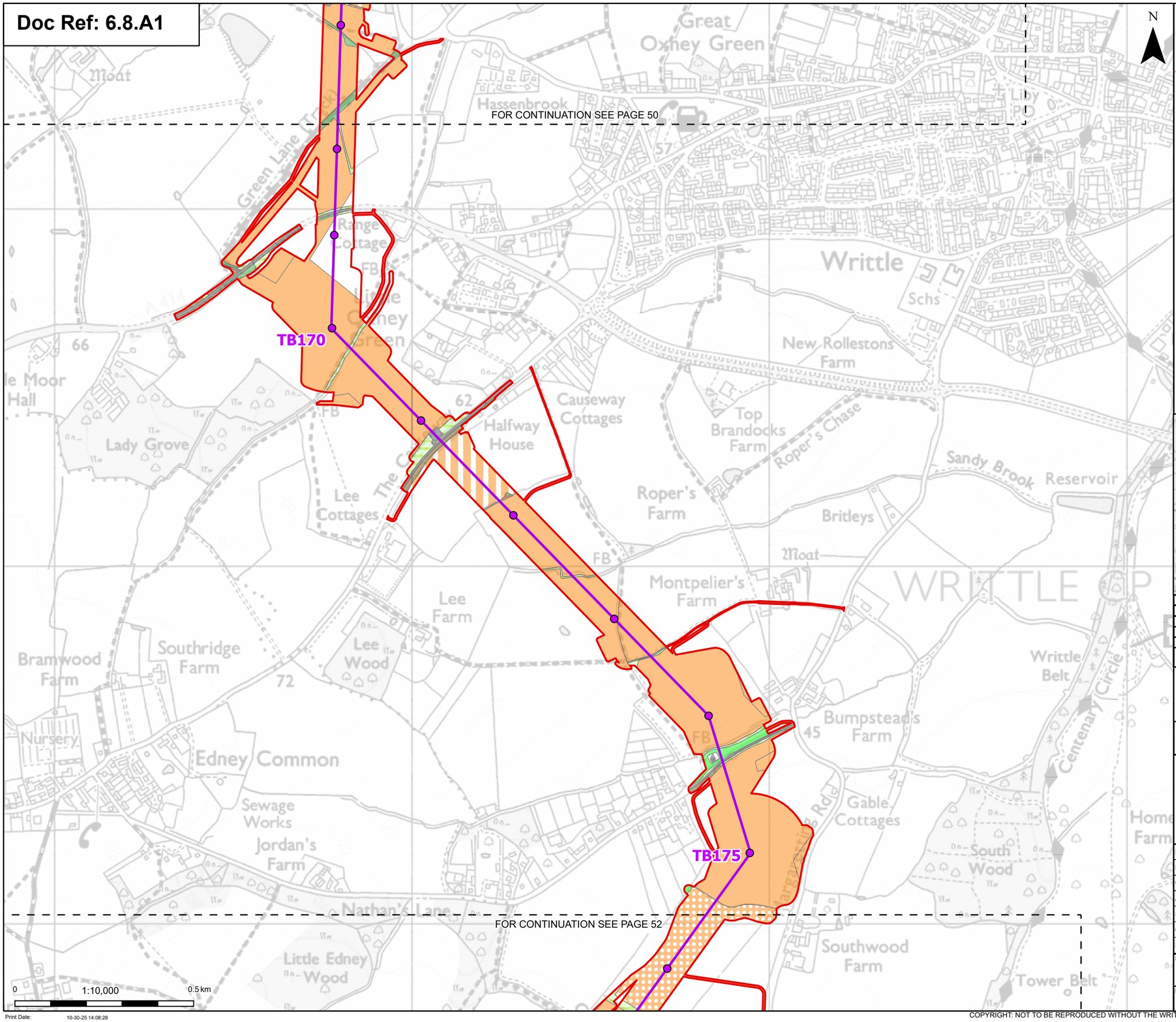
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section F
Page 51 of 63

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

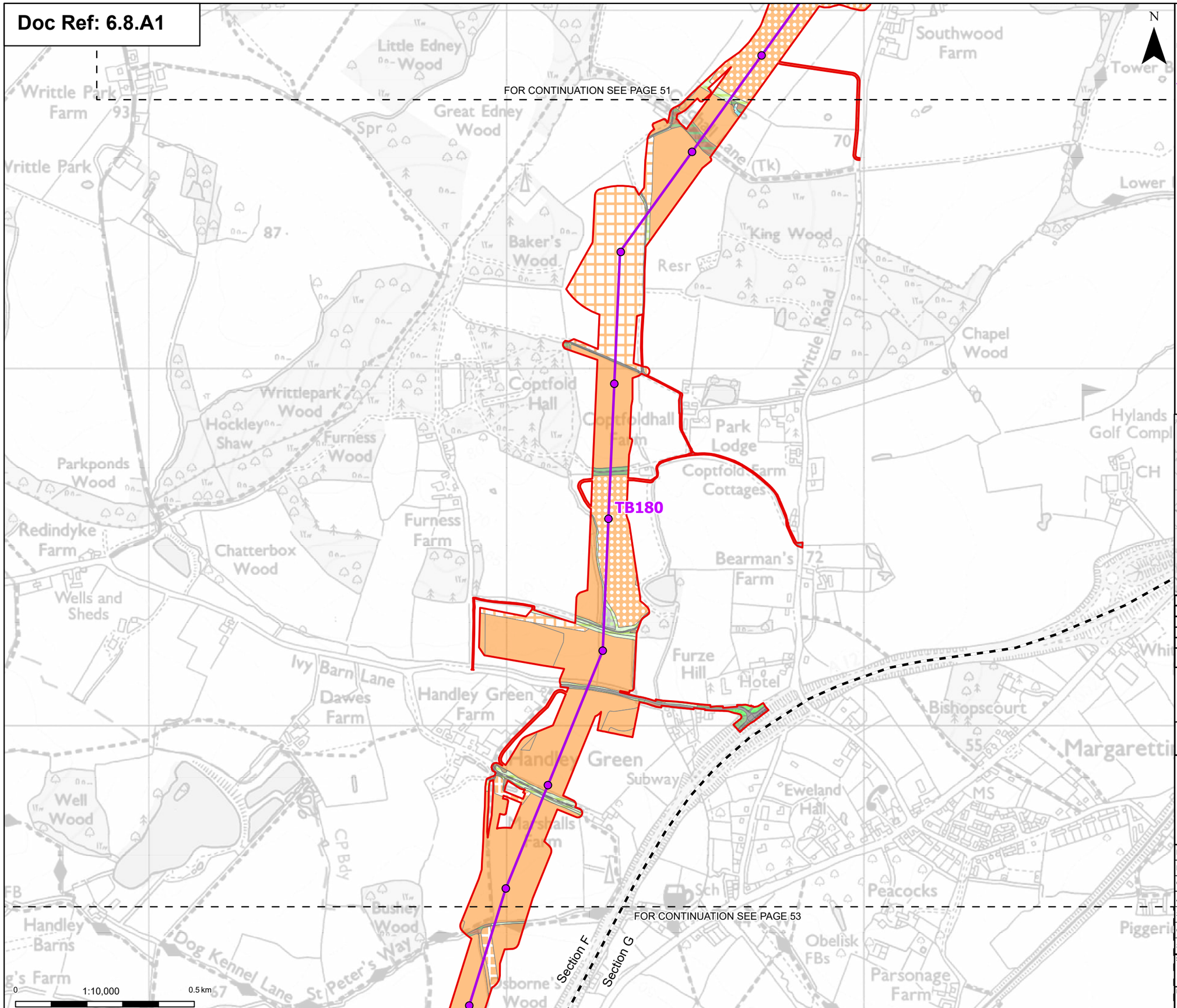
Suitability Description:
Accepted as Concept Stage

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Revision: B

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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
Arable field margins cultivated annually
Arable field margins game bird mix
Cereal crops
Non-cereal crops
Modified grassland
Other neutral grassland
Bramble scrub
Mixed scrub
Artificial unvegetated, unsealed surface
Built linear features
Developed land; sealed surface
Tall forbs
Ponds (priority habitat)
Lowland mixed deciduous woodland
Other woodland; broadleaved
Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections F and G
Page 52 of 63

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

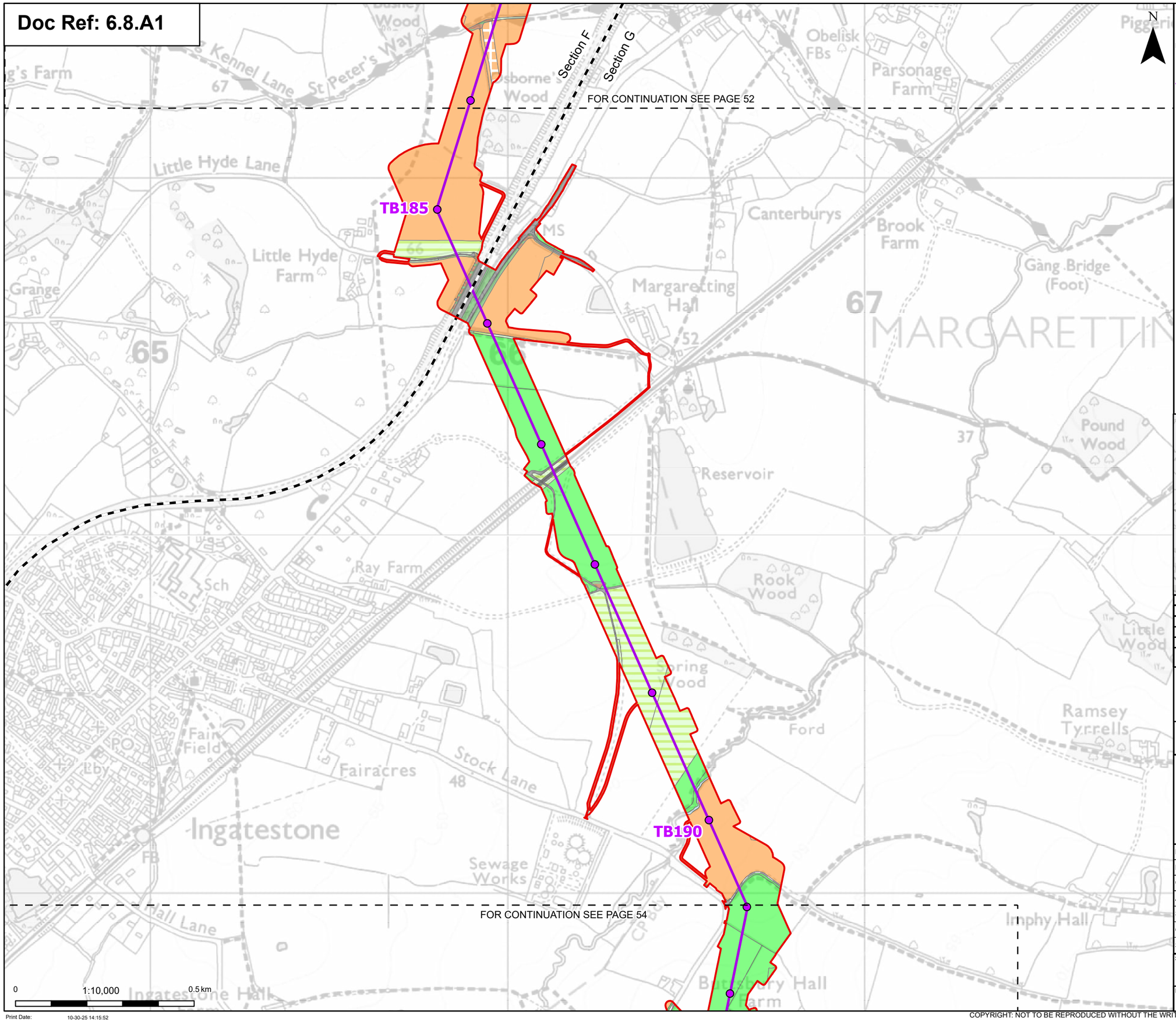
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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Doc Ref: 6.8.A1



Print Date: 10-30-25 14:15:52

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- Project section line

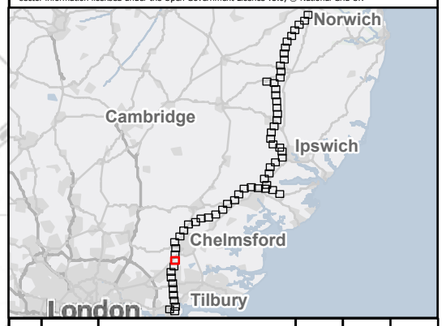
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Arable field margins cultivated annually
- Cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Bare ground
- Built linear features
- Developed land; sealed surface
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections F and G
Page 53 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

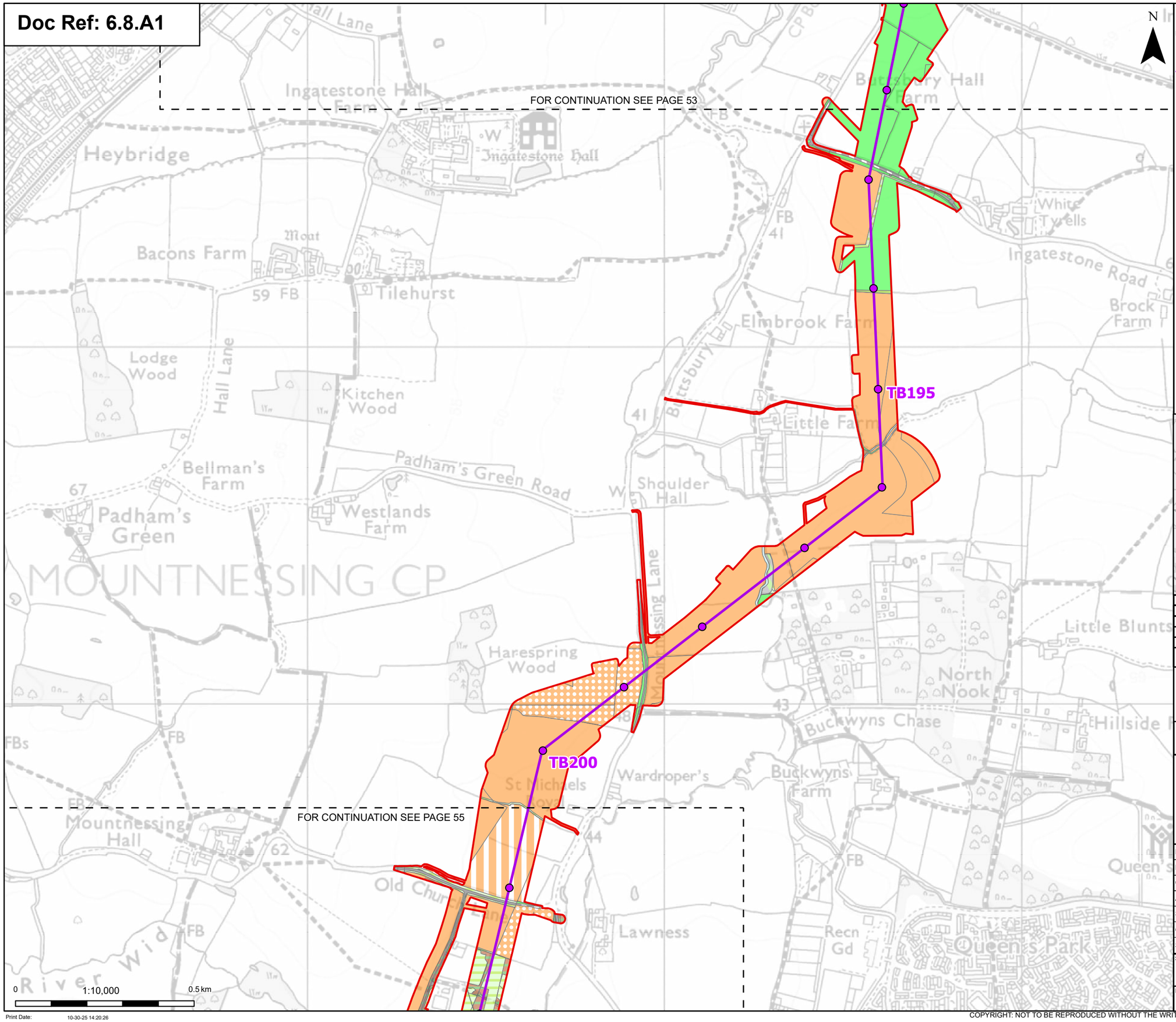
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FOR CONTINUATION SEE PAGE 53

FOR CONTINUATION SEE PAGE 55



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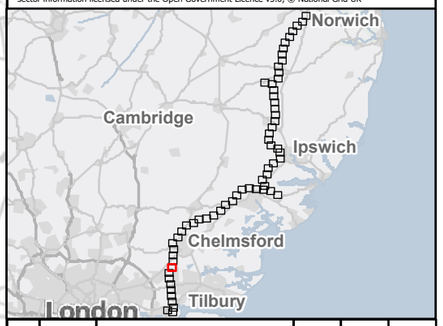
Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Cereal crops
Non-cereal crops
Temporary grass and clover leys
Modified grassland
Other neutral grassland
Blackthorn scrub
Bramble scrub
Built linear features
Developed land; sealed surface
Vegetated garden
Ruderal/Ephemeral
Watercourse footprint
Lowland mixed deciduous woodland
Other coniferous woodland
Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section G
Page 54 of 63

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

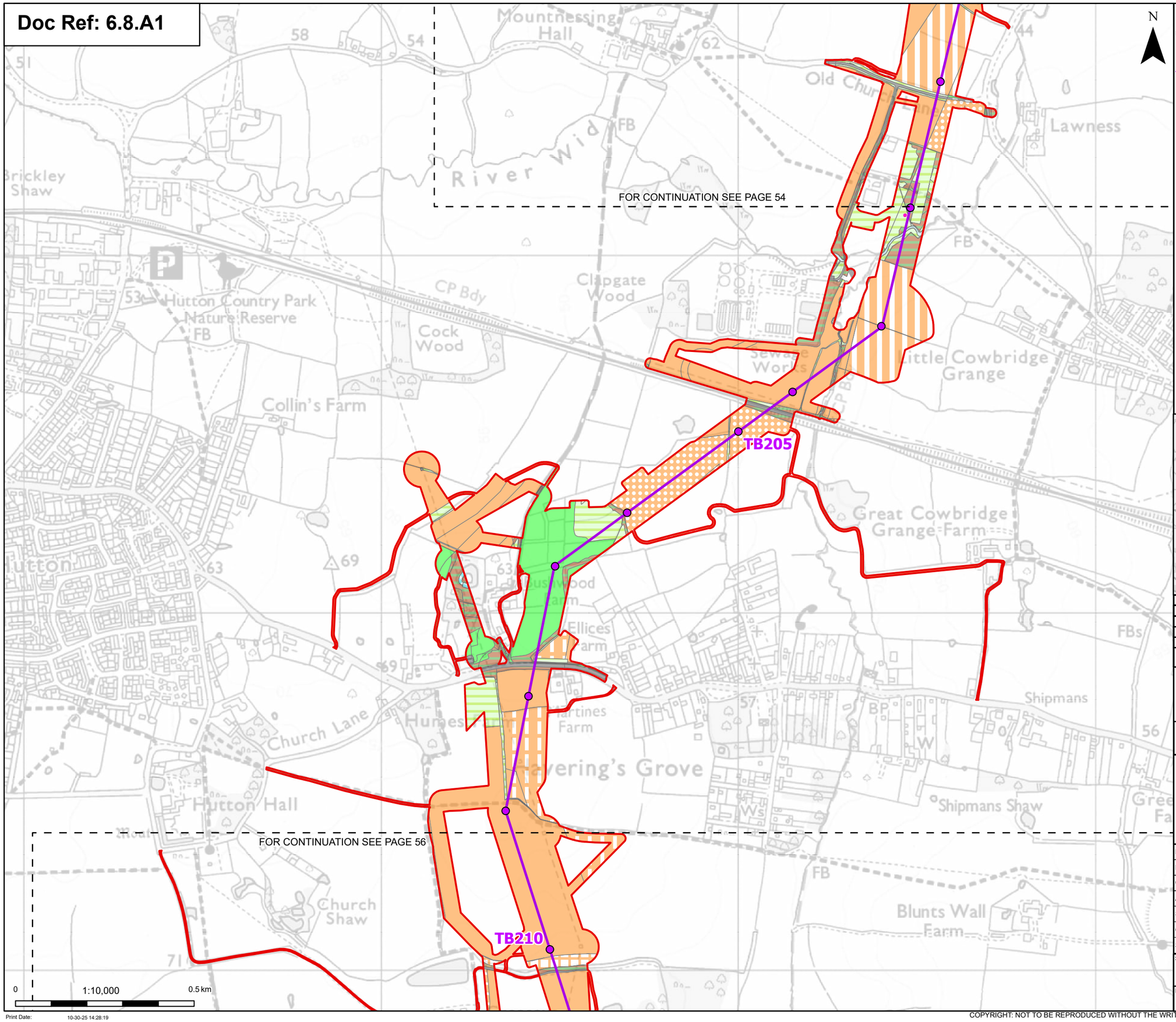
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Bare ground
- Built linear features
- Developed land; sealed surface
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Wet woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section G
Page 55 of 63

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

Suitability Description:
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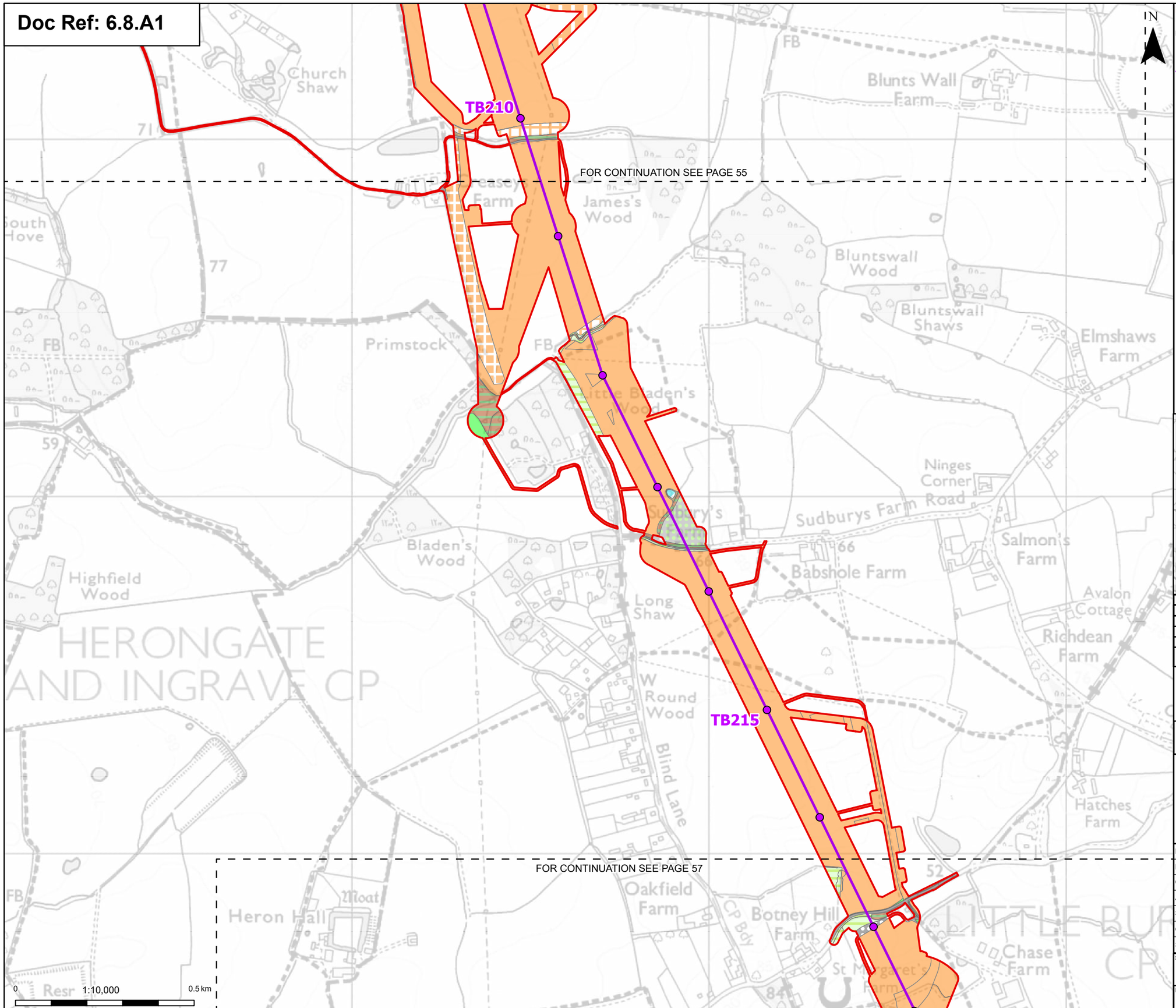
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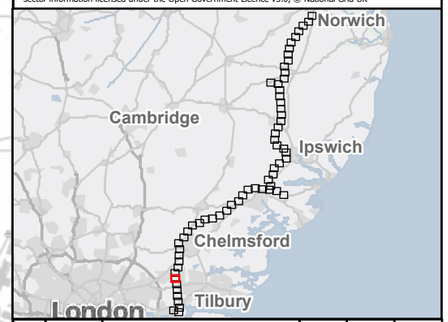
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Tall forbs
- Ponds (priority habitat)
- Watercourse footprint
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section G
Page 56 of 63

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

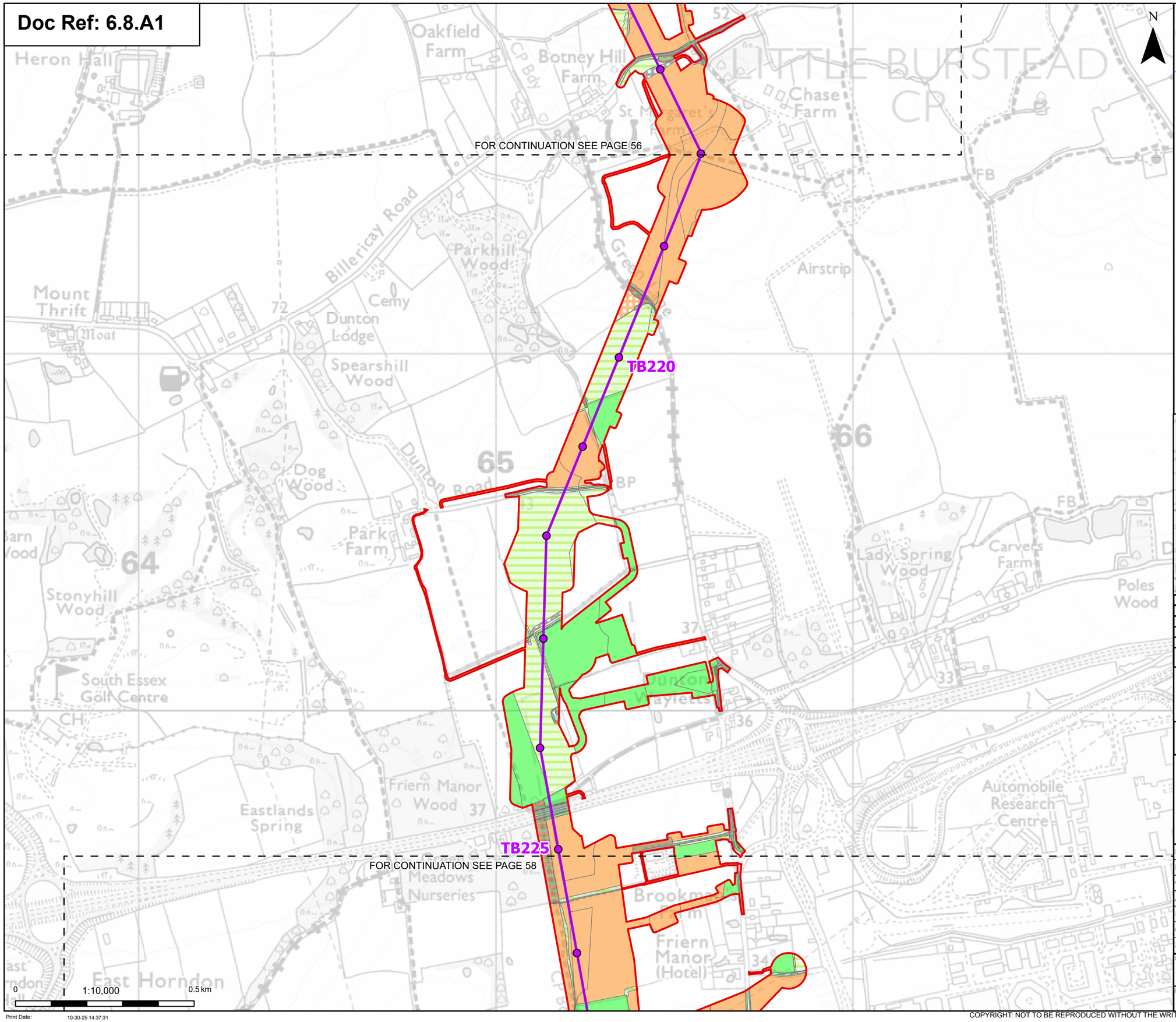
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

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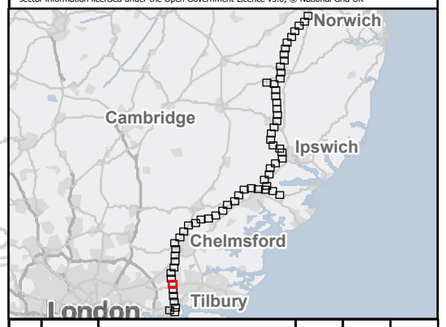
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Bramble scub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ponds (priority habitat)
- Lowland mixed deciduous woodland

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section G
Page 57 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

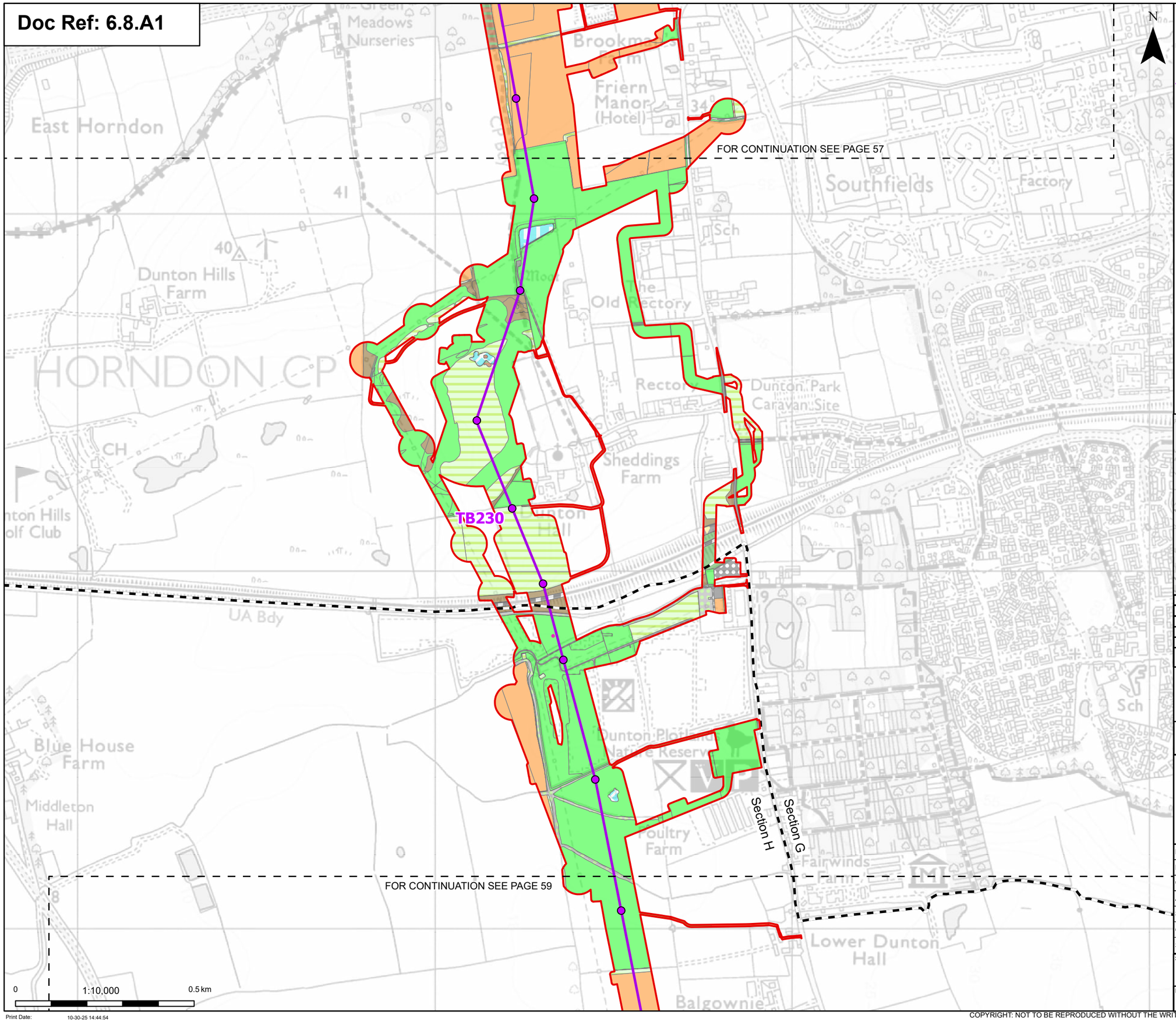
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 14:37:31

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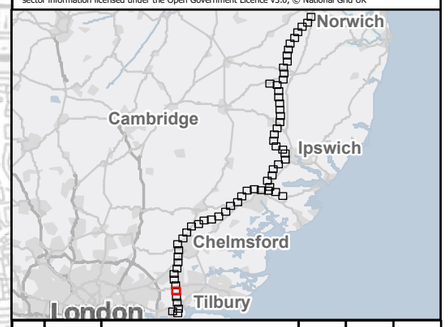
Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Cereal crops
- Modified grassland
- Other neutral grassland
- Blackthorn scrub
- Bramble scrub
- Mixed scrub
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Introduced shrub
- Vegetated garden
- Ruderal/Ephemeral
- Tall forbs
- Ponds (priority habitat)
- Reservoirs
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections G and H
Page 58 of 63

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

Suitability Description: Accepted as Concept Stage

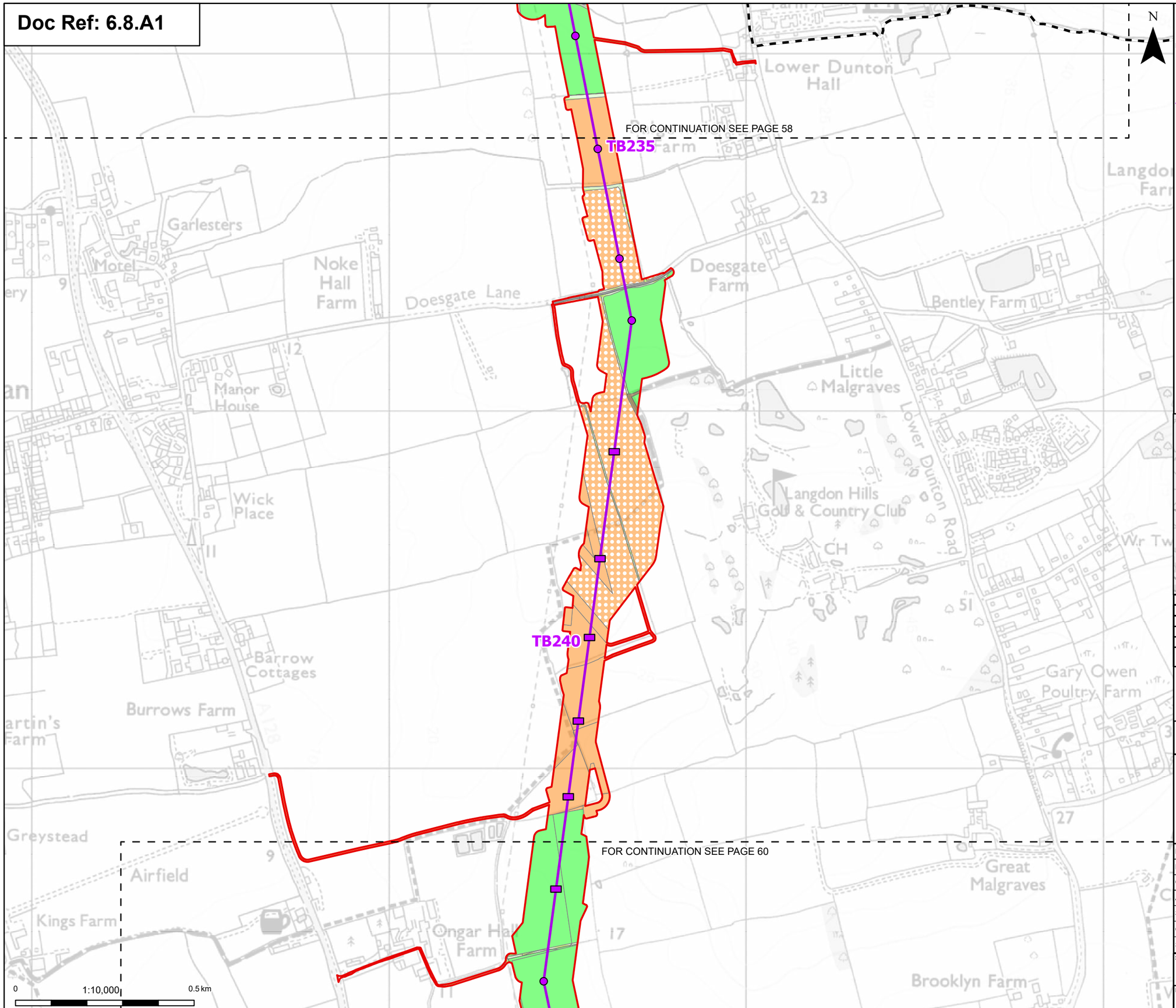
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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Doc Ref: 6.8.A1



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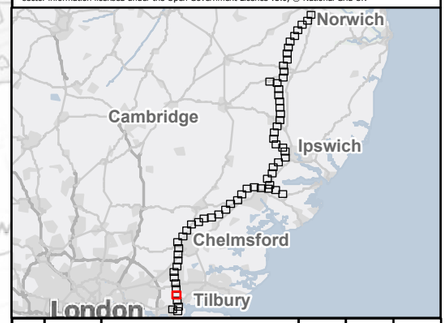
Proposed project design details

Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment
Cereal crops
Non-cereal crops
Modified grassland
Other neutral grassland
Mixed scrub
Built linear features
Developed land; sealed surface
Vegetated garden
Tall forbs
Watercourse footprint
Lowland mixed deciduous woodland
Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Sections G and H
Page 59 of 63

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

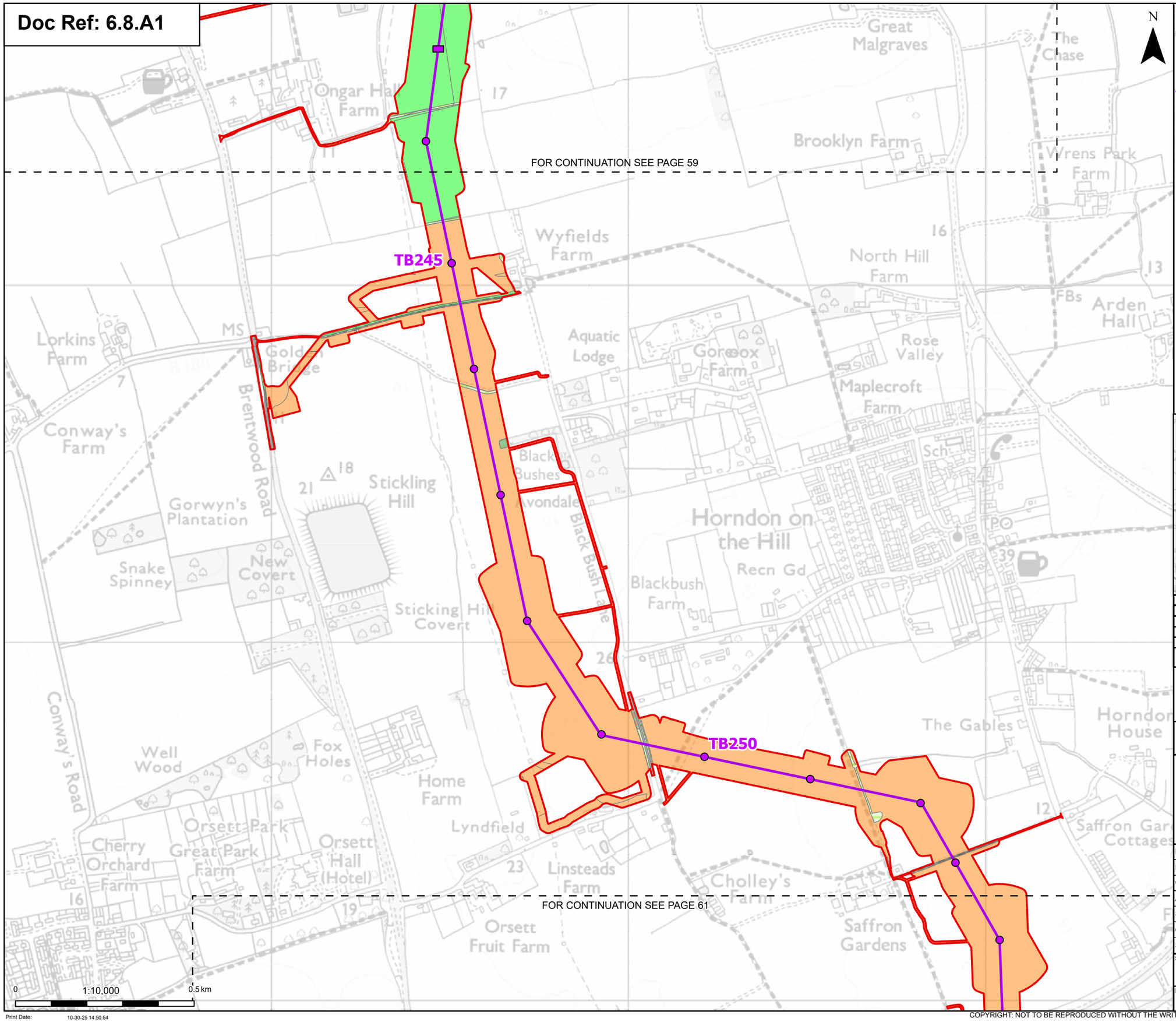
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334
Revision: B

Print Date: 10-30-25 14:47:35

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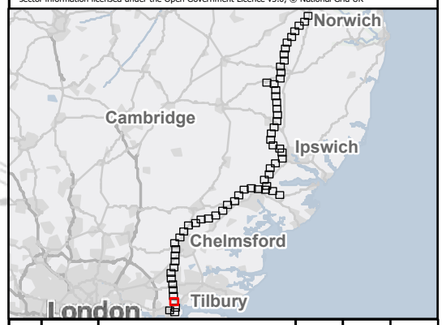
Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Cereal crops
- Intensive orchards
- Modified grassland
- Other neutral grassland
- Mixed scrub
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section H
Page 60 of 63

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

Suitability Description: Accepted as Concept Stage

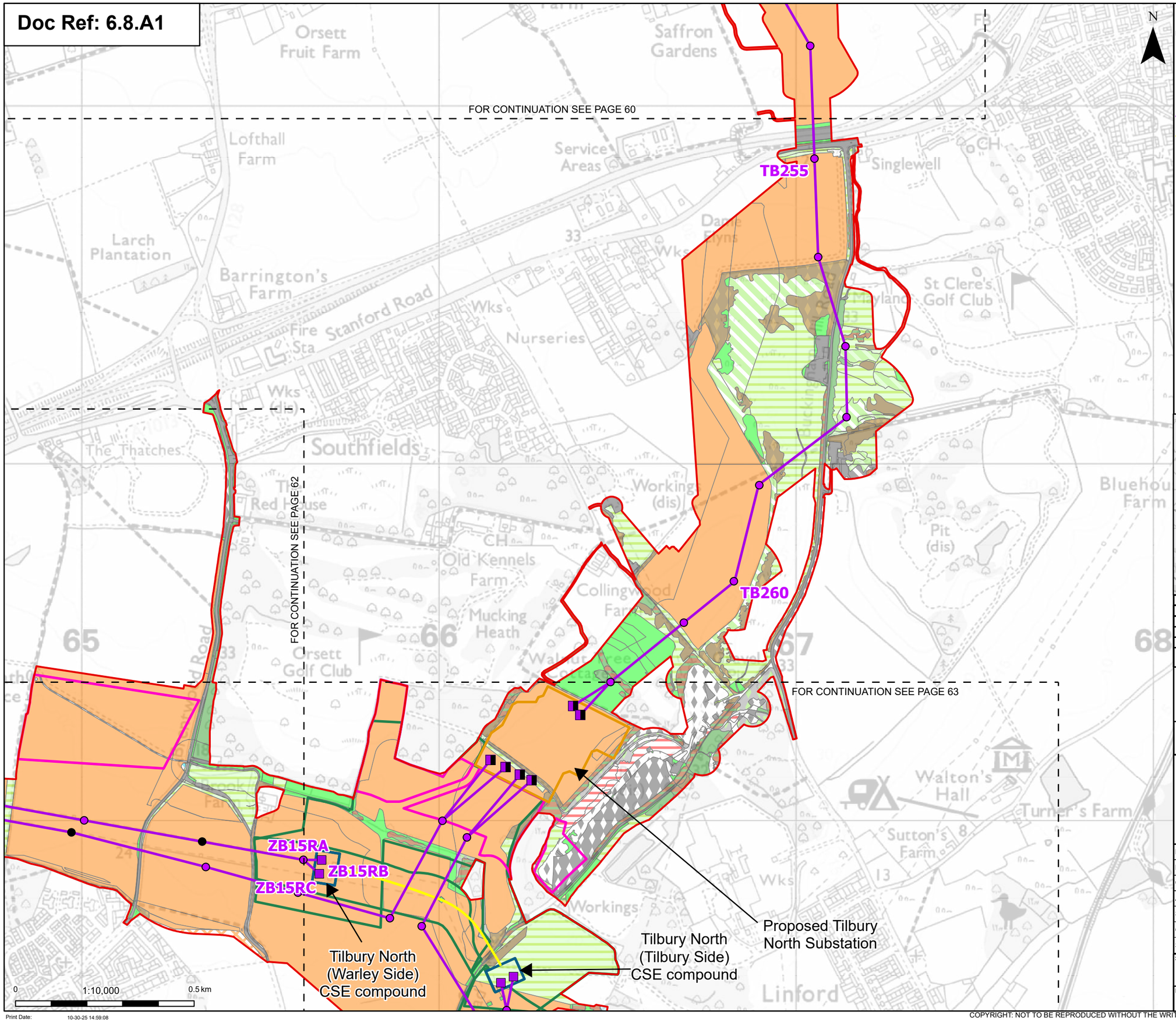
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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Doc Ref: 6.8.A1



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- 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
- Arable field margins pollen and nectar
- Cereal crops
- Non-cereal crops
- Lowland dry acid grassland
- Lowland meadows
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Gorse scrub
- Hawthorn scrub
- Mixed scrub
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Open mosaic habitats on previously developed land
- Vacant or derelict land
- Vegetated garden
- Ruderal/Ephemeral
- Tall forbs
- Ponds (priority habitat)
- Reservoirs
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other Scots pine woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section H
Page 61 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

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FOR CONTINUATION SEE PAGE 63

FOR CONTINUATION SEE PAGE 61

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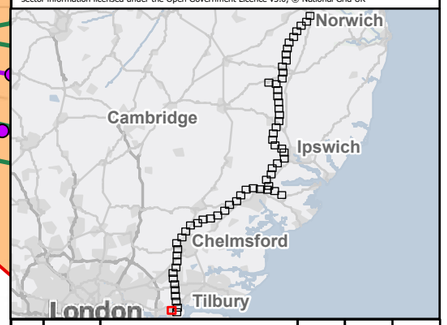
Proposed project design details

- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area
- Environmental mitigation
- Arable field margins pollen and nectar
- Cereal crops
- Non-cereal crops
- Winter stubble
- Modified grassland
- Other neutral grassland
- Other lowland acid grassland
- Bramble scrub
- Mixed scrub
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden
- Ruderal/Ephemeral
- Ponds (priority habitat)
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section H
Page 62 of 63

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

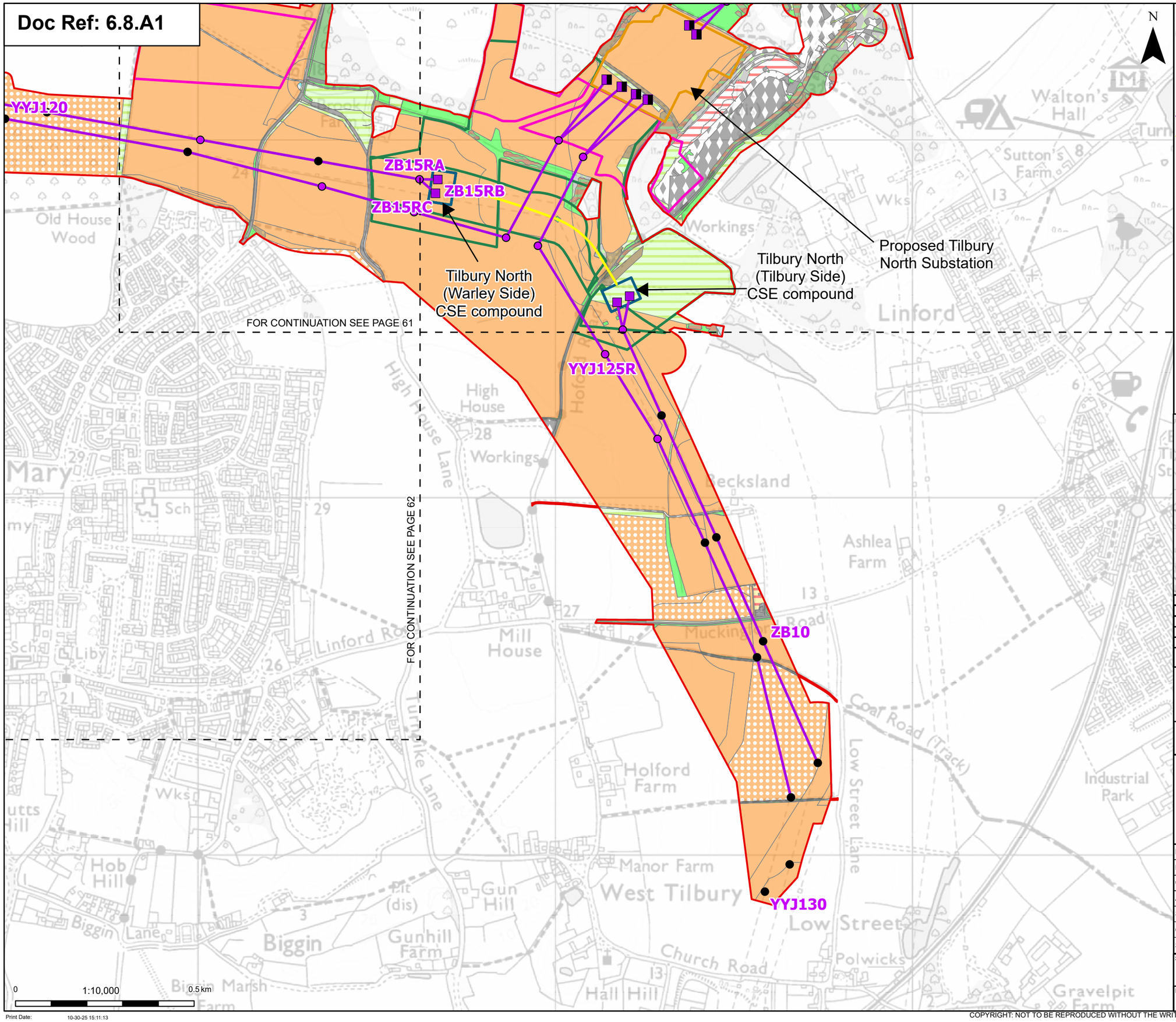
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00334

Revision: B

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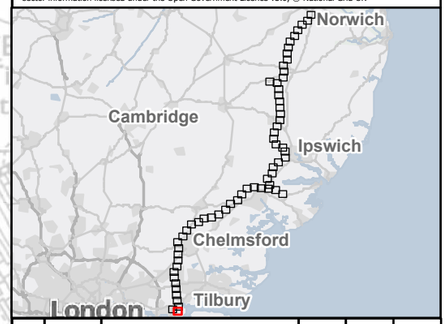
Proposed project design details

- 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
- Arable field margins pollen and nectar
- Cereal crops
- Non-cereal crops
- Modified grassland
- Other neutral grassland
- Bramble scrub
- Hawthorn scrub
- Mixed scrub
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Open mosaic habitats on previously developed land
- Vacant or derelict land
- Vegetated garden
- Ruderal/Ephemeral
- Tall forbs
- Ponds (priority habitat)
- Reservoirs
- Watercourse footprint
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

Note: Some habitats, such as vegetated gardens, under 900 m² are not shown due to map scale limitations. Due to the volume of this habitat, including them within an inset page would reduce overall figure clarity and readability. They are, however, fully included within BNG and UKHab calculations.

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.1 - Ecology and Biodiversity - UK Habitat Survey Results
Section H
Page 63 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00334

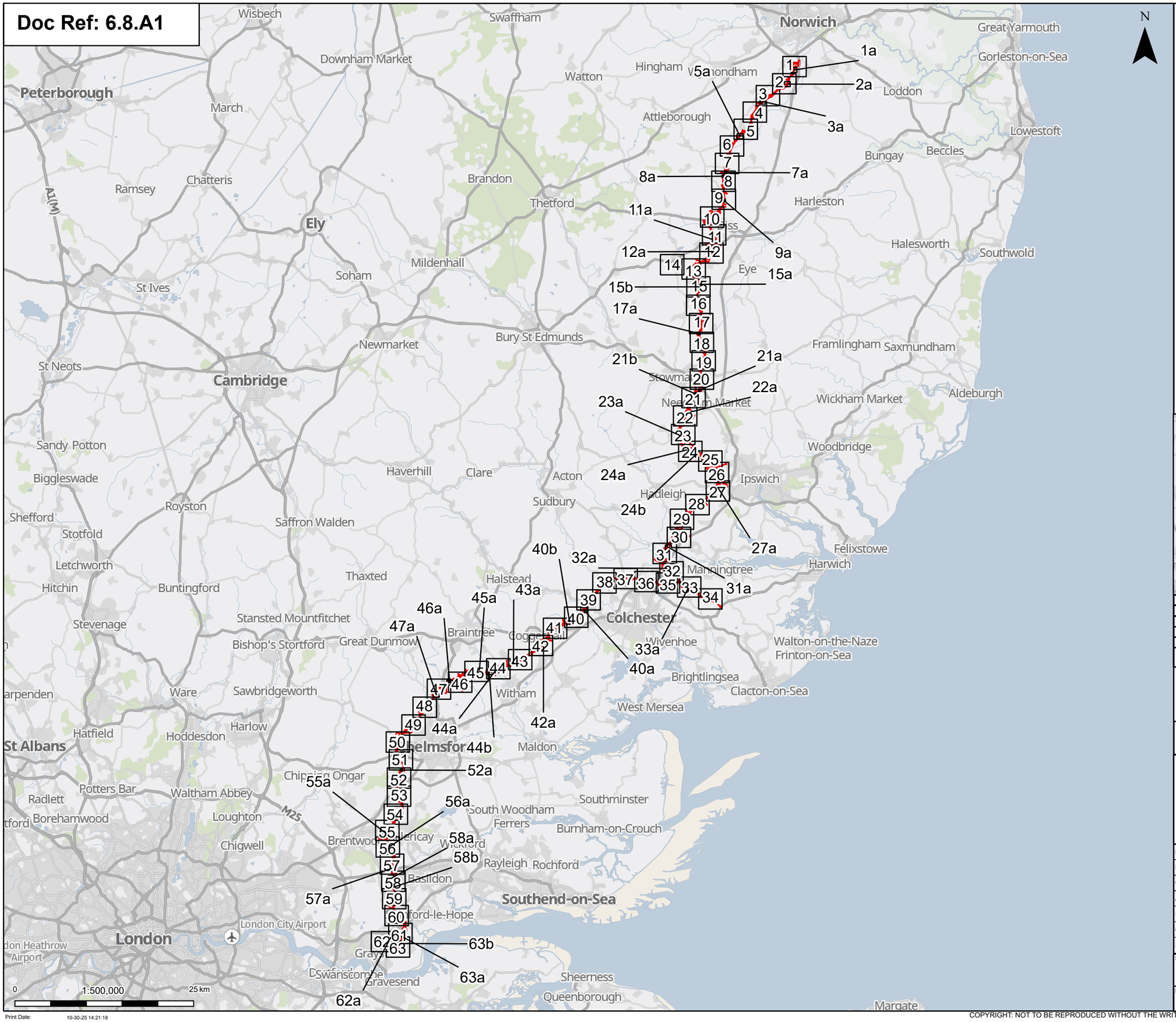
Revision: B

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Figure A8.1.2 - Habitats of Principal Importance (Rev B)

Doc Ref: 6.8.A1



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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Overview

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:500,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

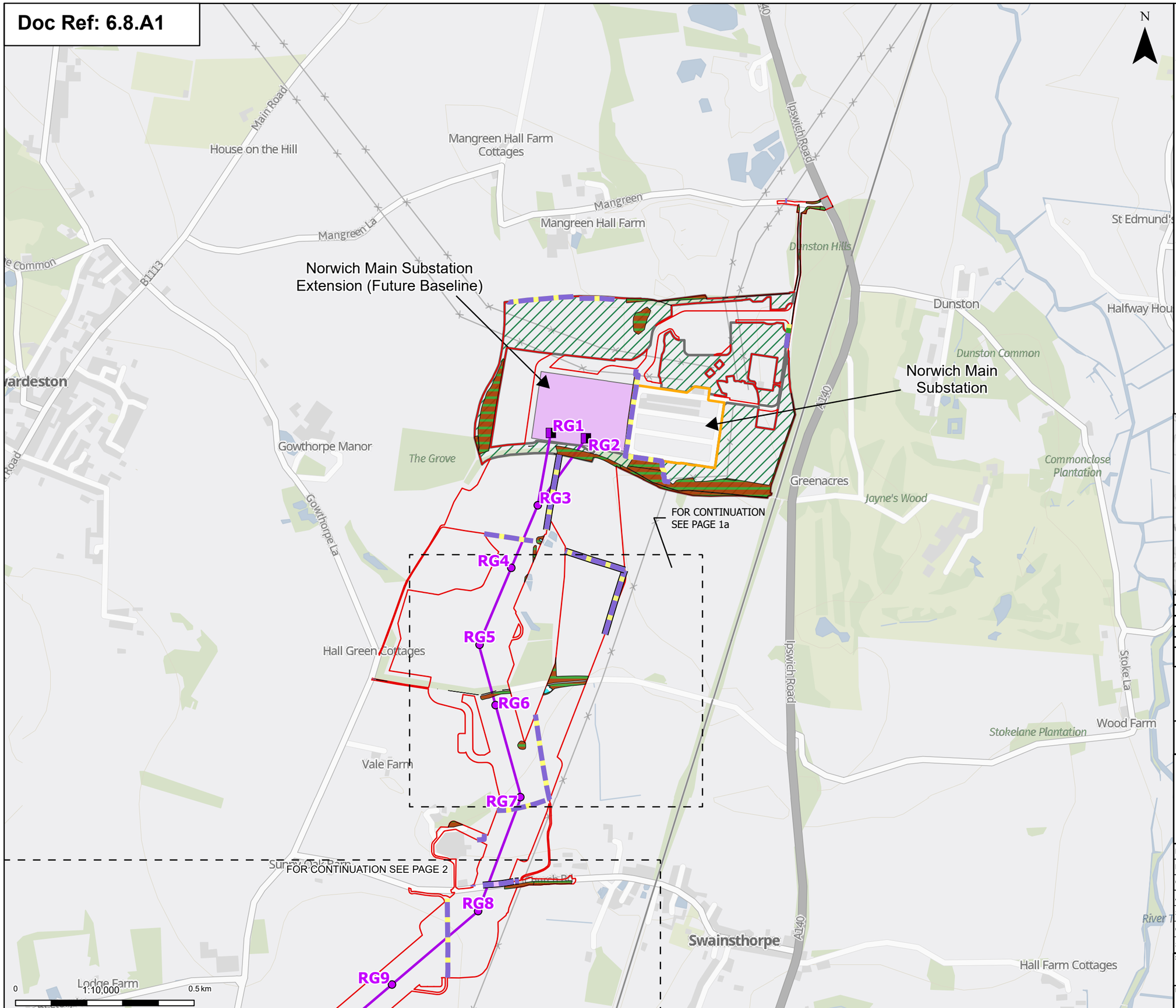
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

Print Date: 10-30-25 14:21:18

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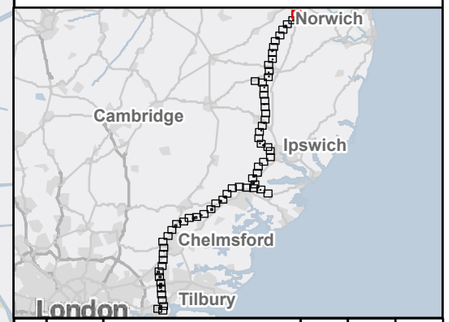
Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Norwich Main Substation
Norwich Main Substation Extension (future baseline)
Environmental area

Discipline specific constraints

Habitats of Principal Importance (HPI)
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Species-rich native hedgerow - associated with bank or ditch
Lowland mixed deciduous woodland
Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 1 of 63

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

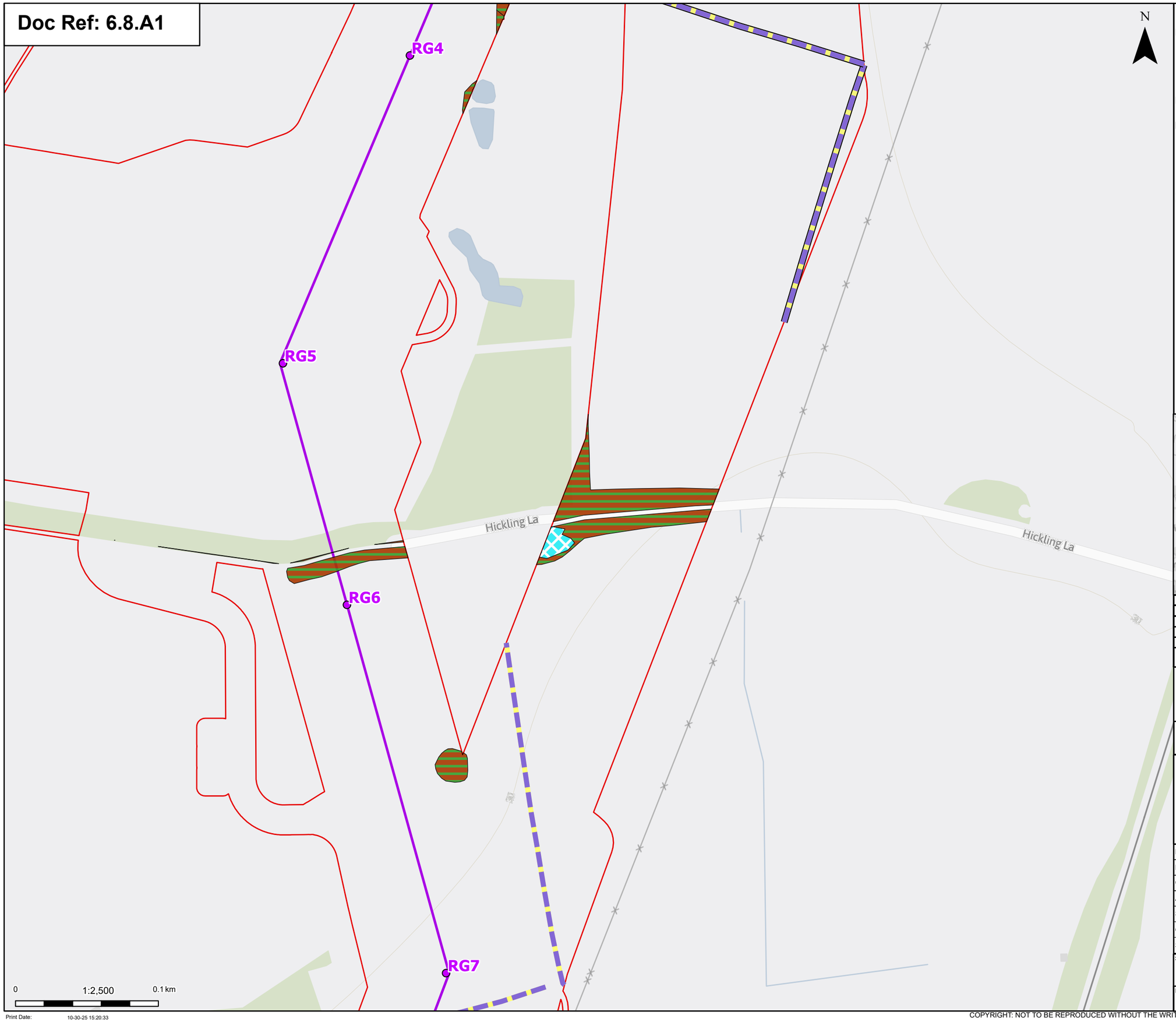
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 1a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

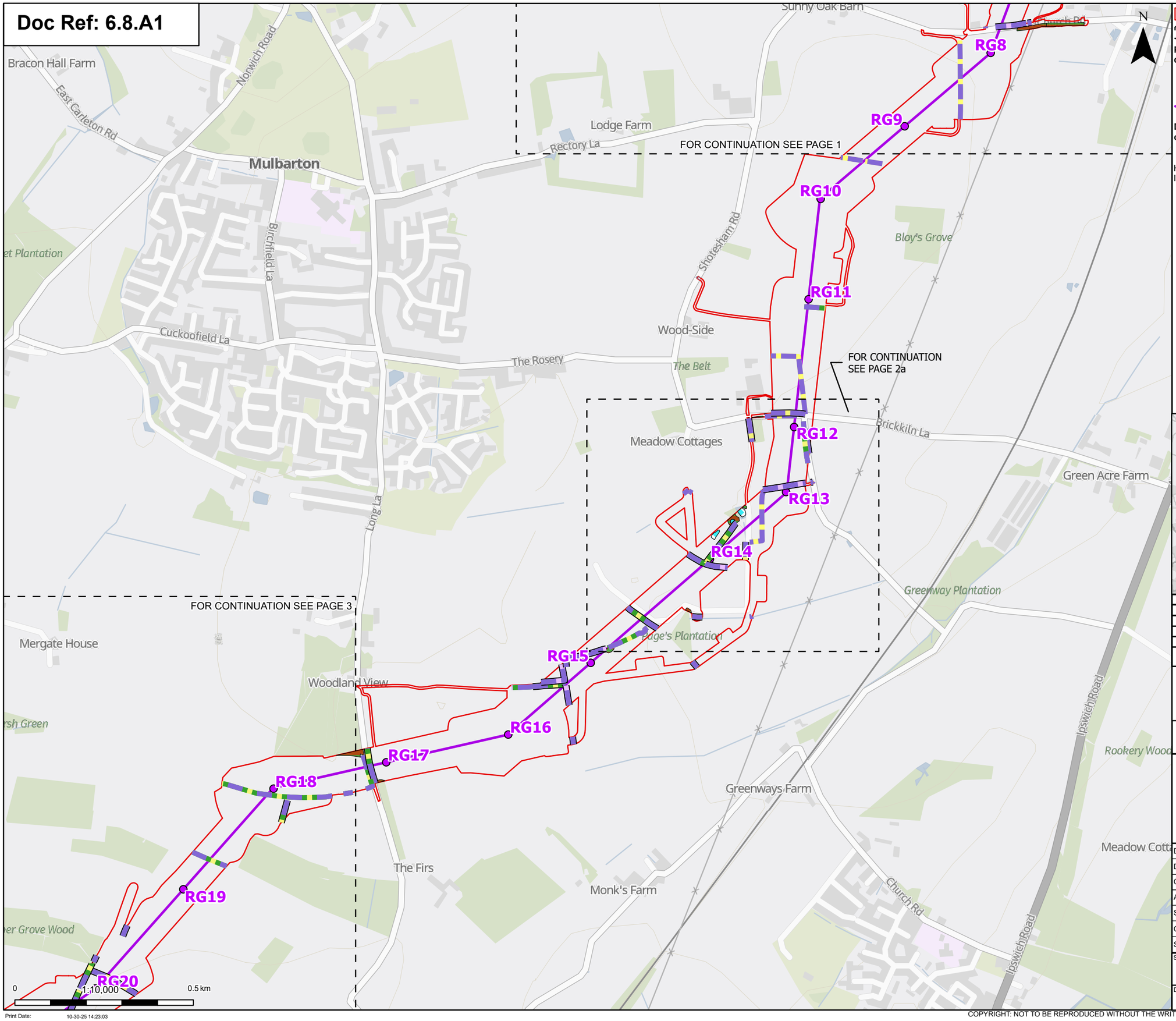
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Print Date: 10-30-25 14:23:03

Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow - associated with bank or ditch

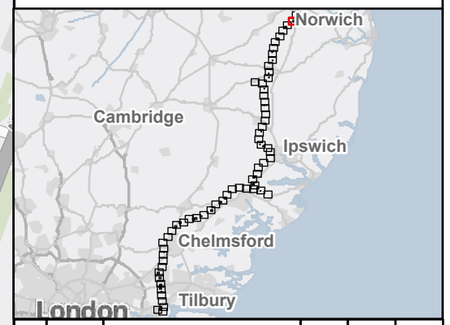
Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 2 of 63

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

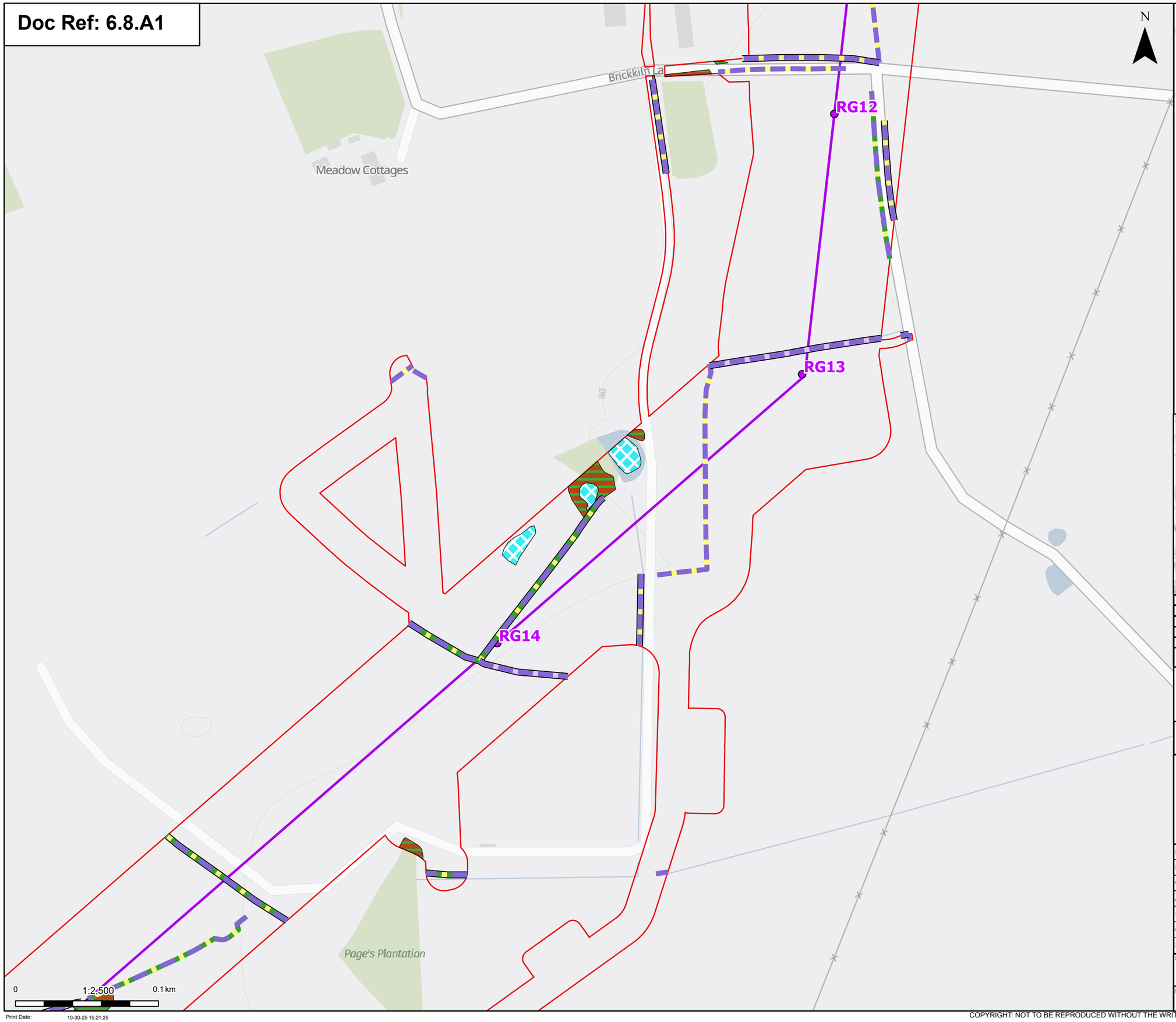
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

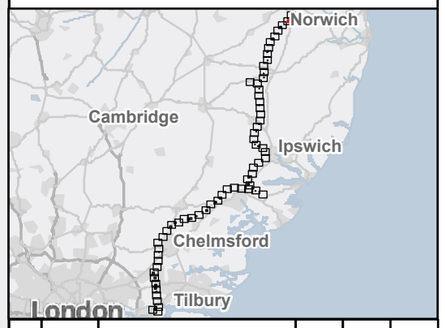
Species-rich native hedgerow - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section A

Designed	A. Pinkney	Date	October 25
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Suitability Description: Accepted as Concept Stage

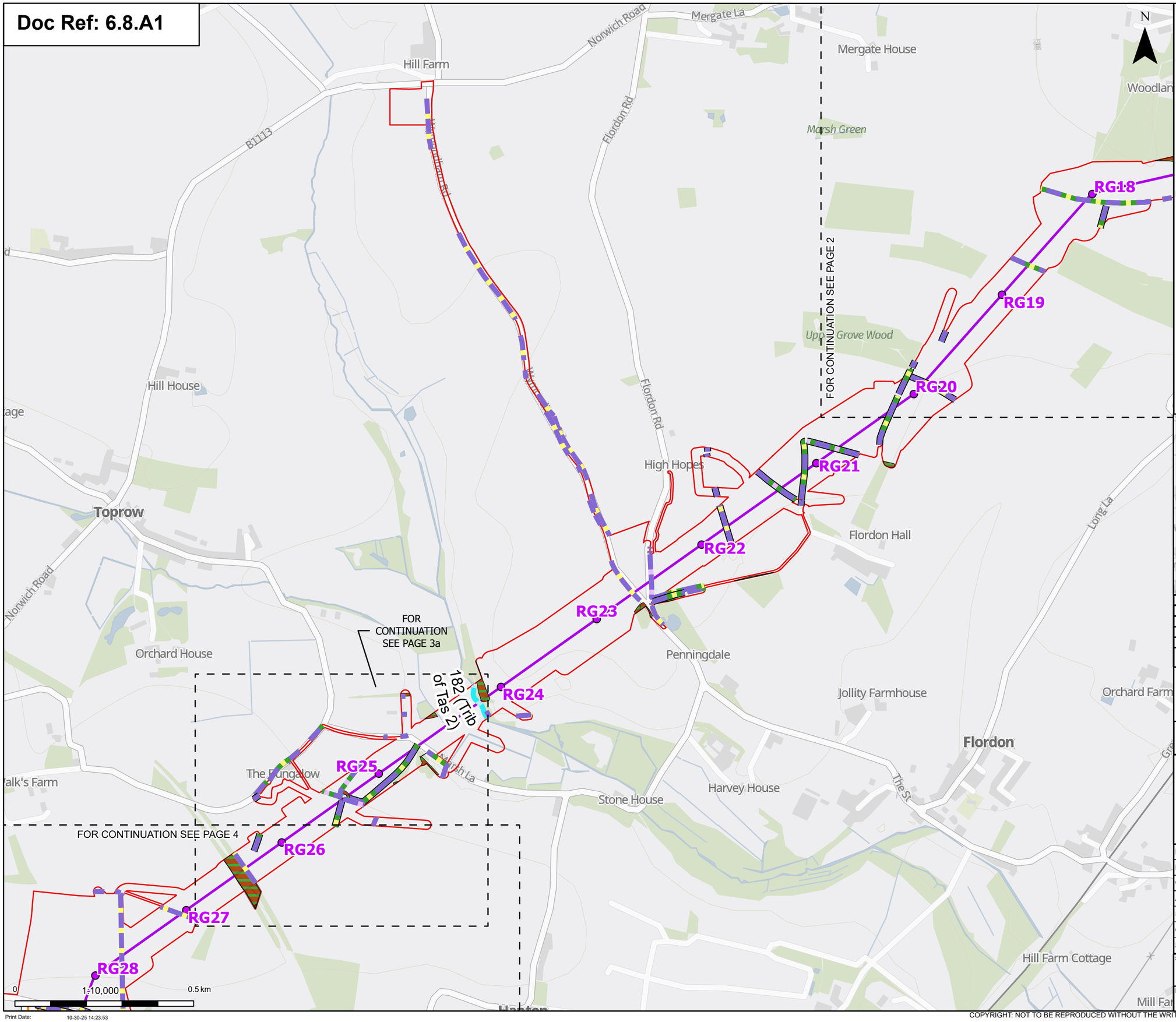
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Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow

Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

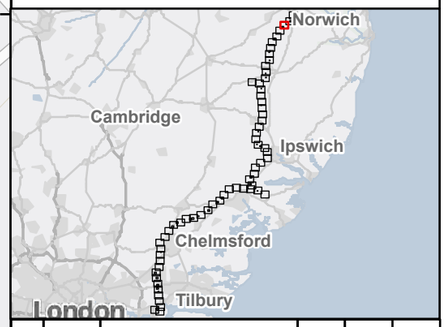
Arable field margins game bird mix

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 3 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Original Size:	A3	Grid:	OS
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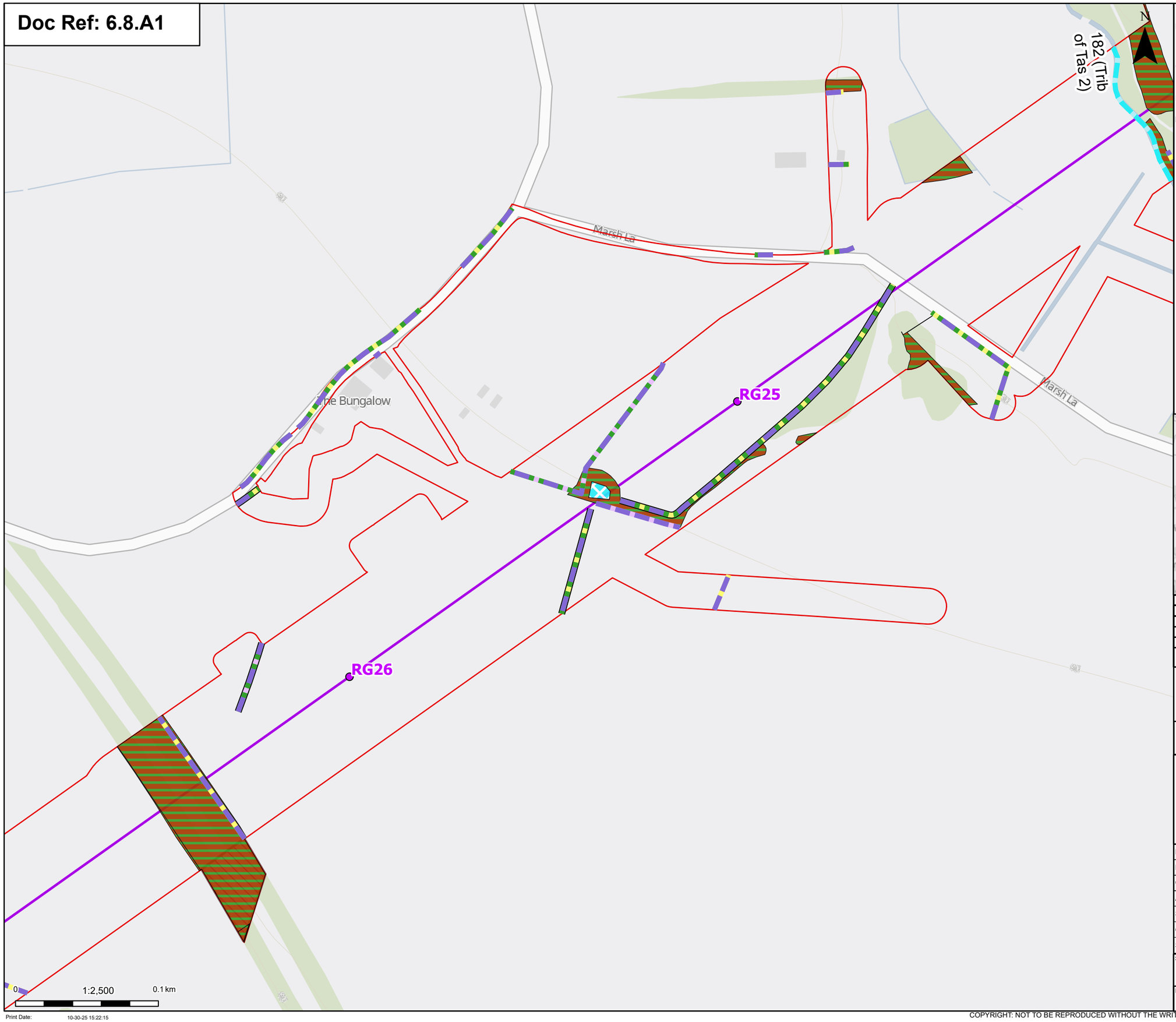
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow

Species-rich native hedgerow with trees

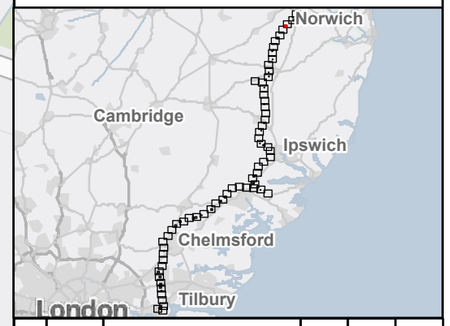
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 3a of 63

Designed	A. Pinkney	Date	October 25
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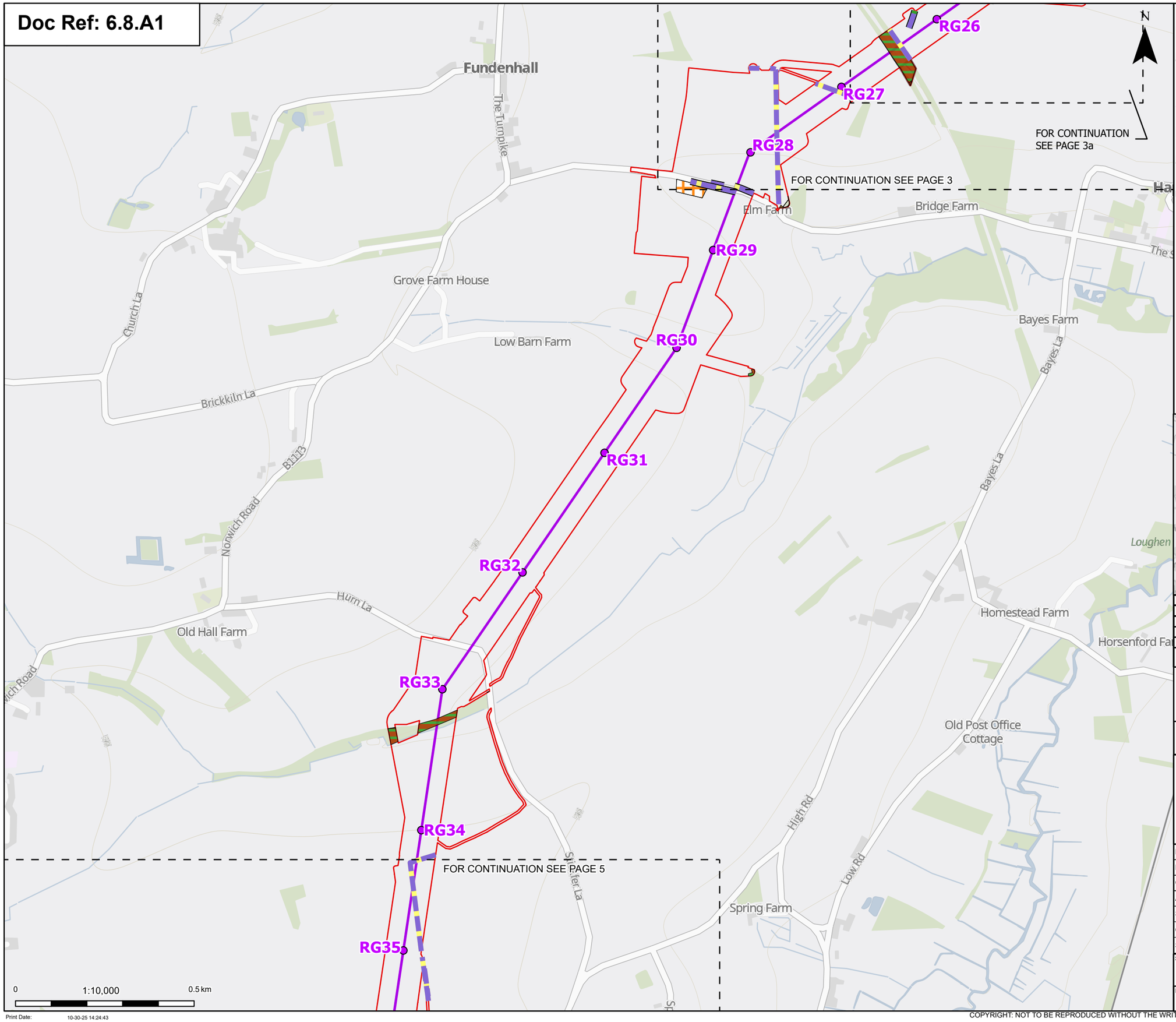
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees - associated with bank or ditch

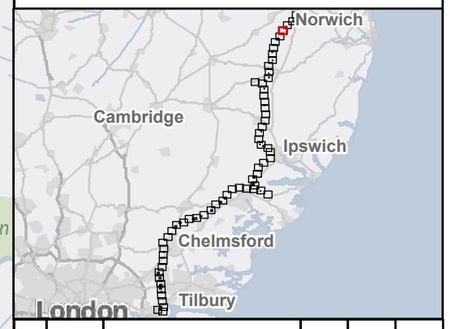
Species-rich native hedgerow with trees - associated with bank or ditch

Arable field margins game bird mix

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section A
Page 4 of 63

Designed	A. Pinkney	Date	October 25
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Approved	K. Burrows	Date	October 25
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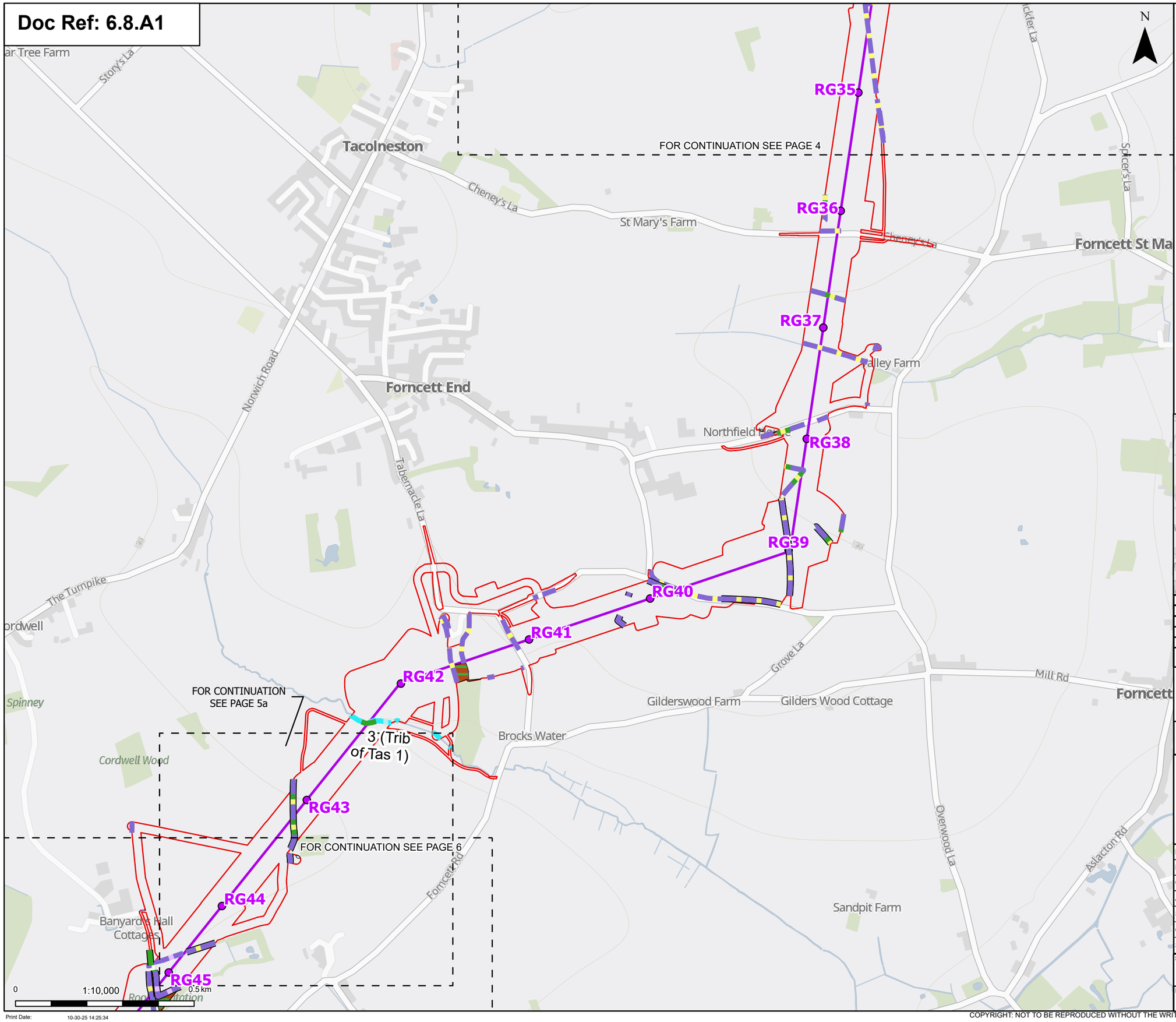
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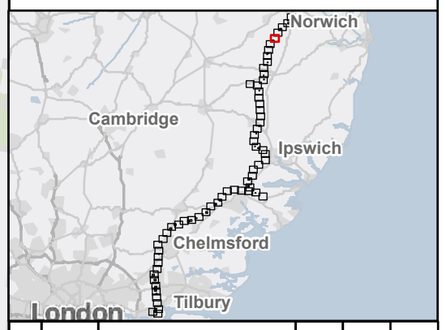
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Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow - associated with bank or ditch
Lowland mixed deciduous woodland
Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

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Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section A
Page 5 of 63

Designed	A. Pinkney	Date	October 25
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Scale:	1:10,000	Datum:	AOD
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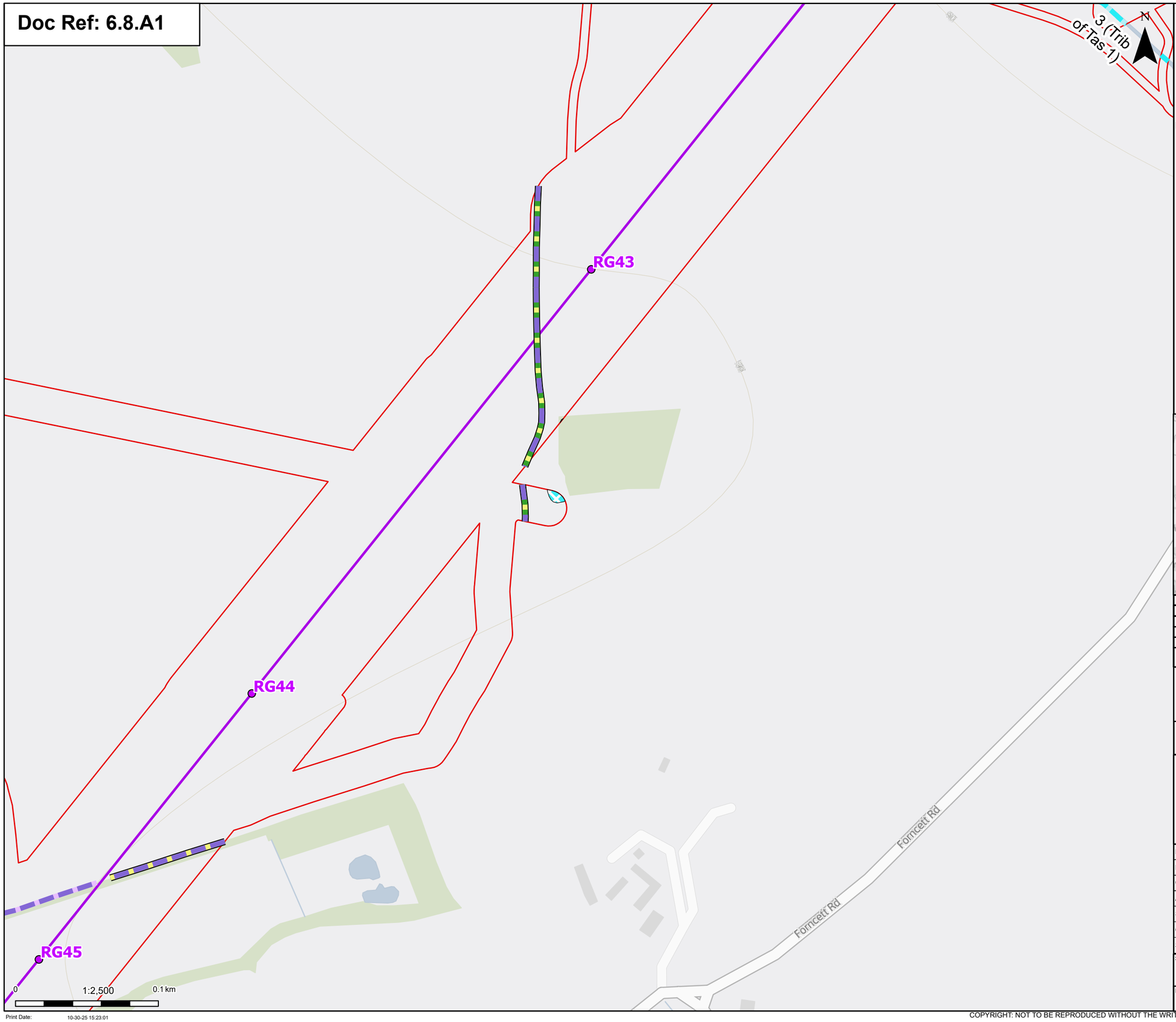
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

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Native hedgerow with trees - associated with bank or ditch

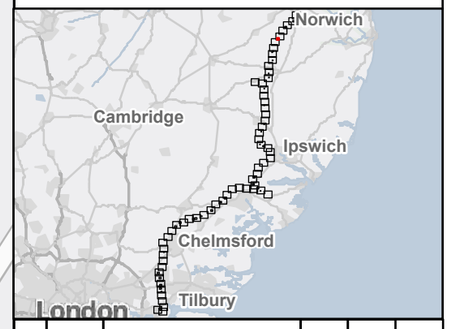
Species-rich native hedgerow

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 5a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Scale:	1:2,500	Datum:	AOD
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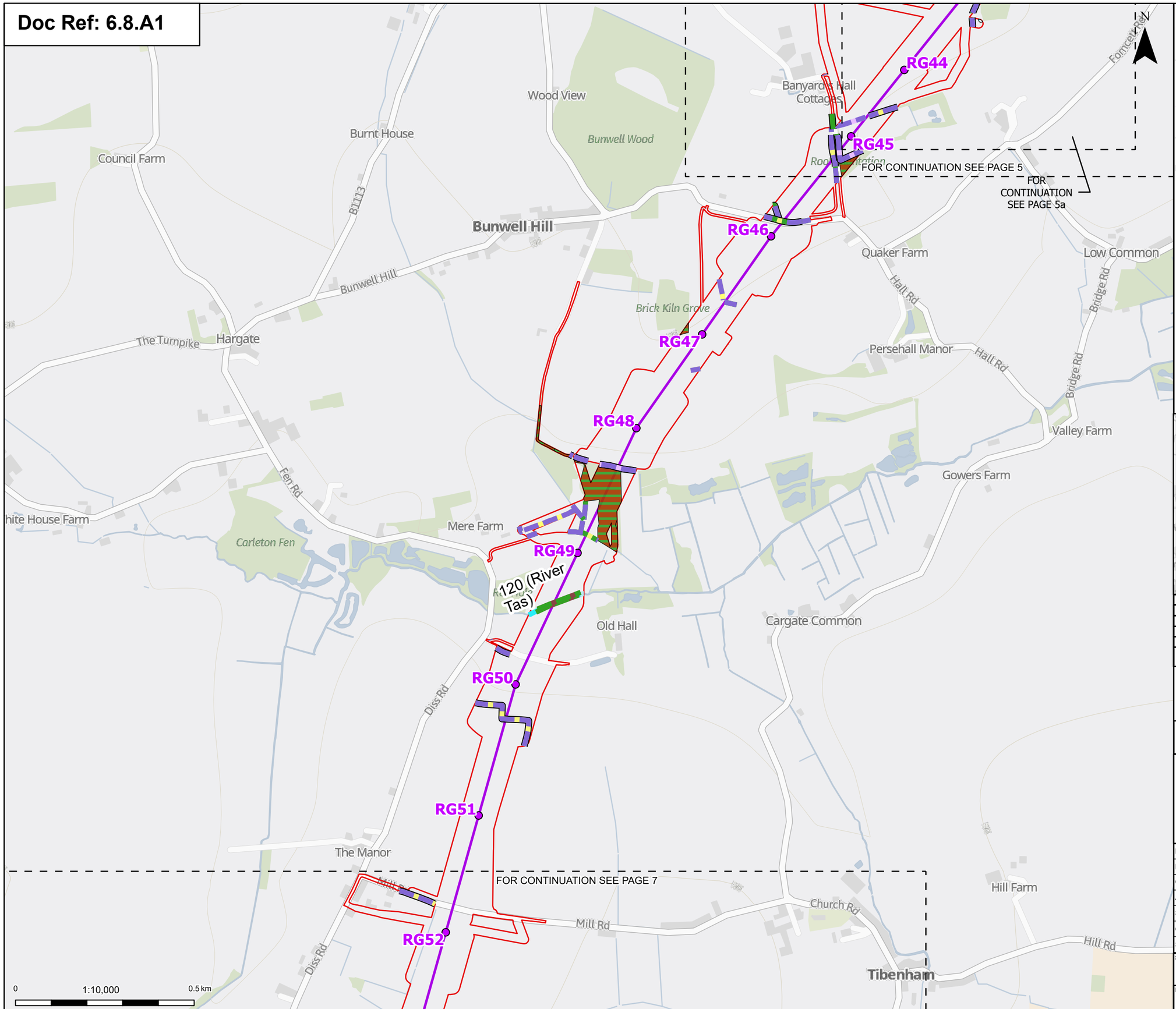
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

Ecologically valuable line of trees - associated with bank or ditch

Species-rich native hedgerow

Species-rich native hedgerow - associated with bank or ditch

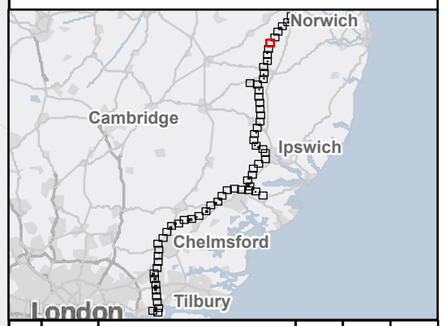
Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 6 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Description:
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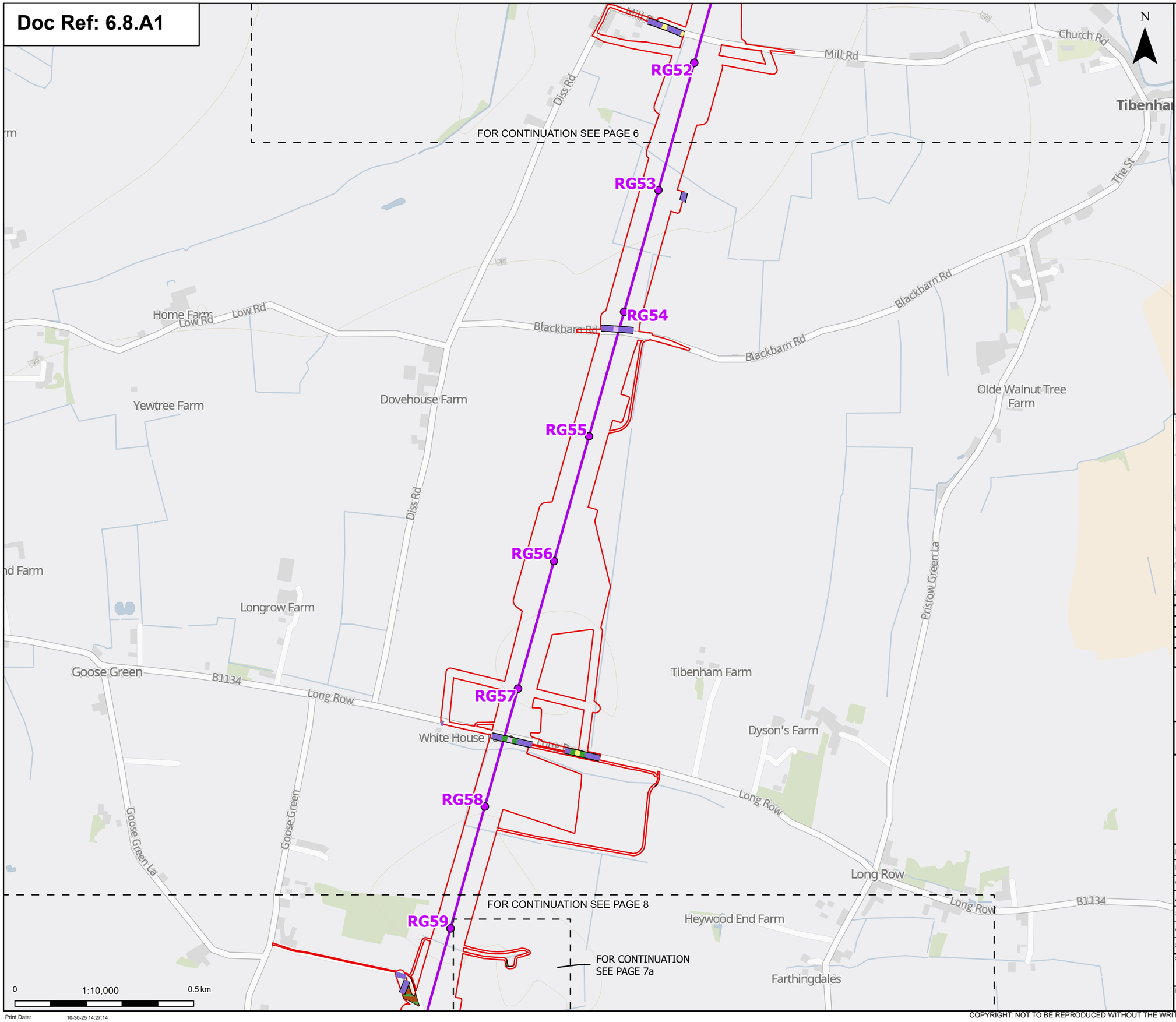
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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

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Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow - associated with bank or ditch

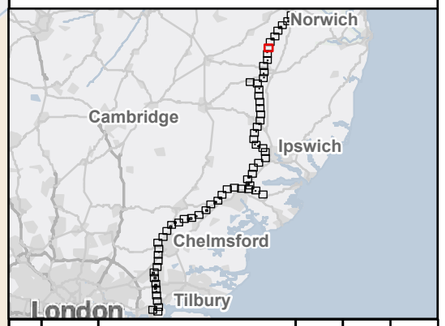
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section A
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Approved	K. Burrows	Date	October 25
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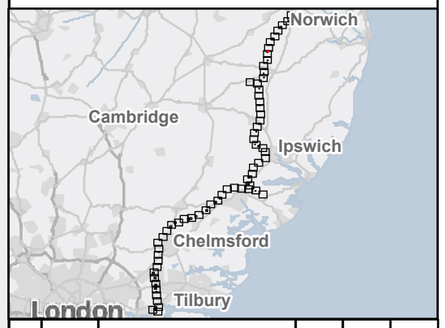
Habitats of Principal Importance (HPI)

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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FOR CONTINUATION SEE PAGE 7a
FOR CONTINUATION SEE PAGE 7
FOR CONTINUATION SEE PAGE 8a
FOR CONTINUATION SEE PAGE 9

Heywood End Farm
Farthingdales
Haywood End
Thatched Cottage
Lodge Farm
Park Farm Cottage
Manor Farm
Short Green
Park Farm
Becky's Wood or Tracey's Wood
Heywood Hall
The Heywood
Church La
Winfarthing
Willow Bough Farm
B1077
Mill Road
Silver Birch
Green Dragon Farm
Whitegate Lodge Farm
The Downs
Plantation Farm

N

0 1:10,000 0.5 km

Print Date: 10-30-25 14:28:05

Order limits
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Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

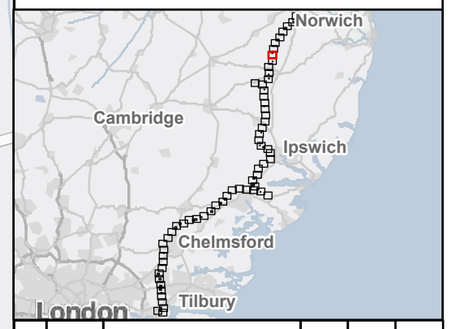
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow with trees - associated with bank or ditch
Lowland mixed deciduous woodland
Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section A Page 8 of 63

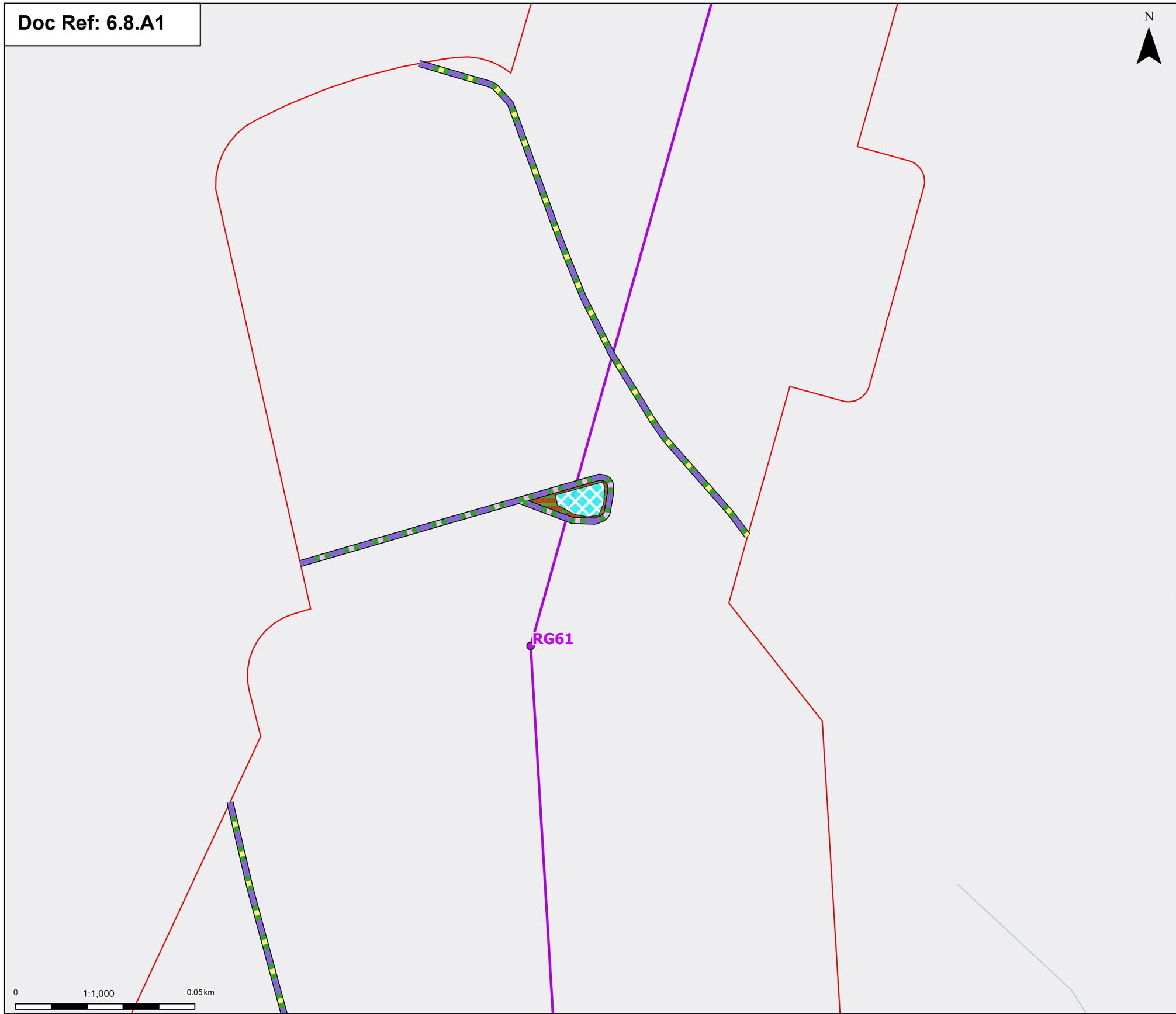
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow with trees - associated with bank or ditch

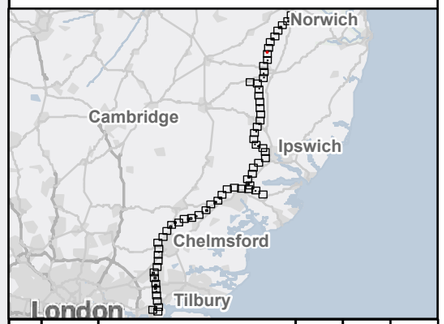
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 8a of 63

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

Suitability Description:
Accepted as Concept Stage

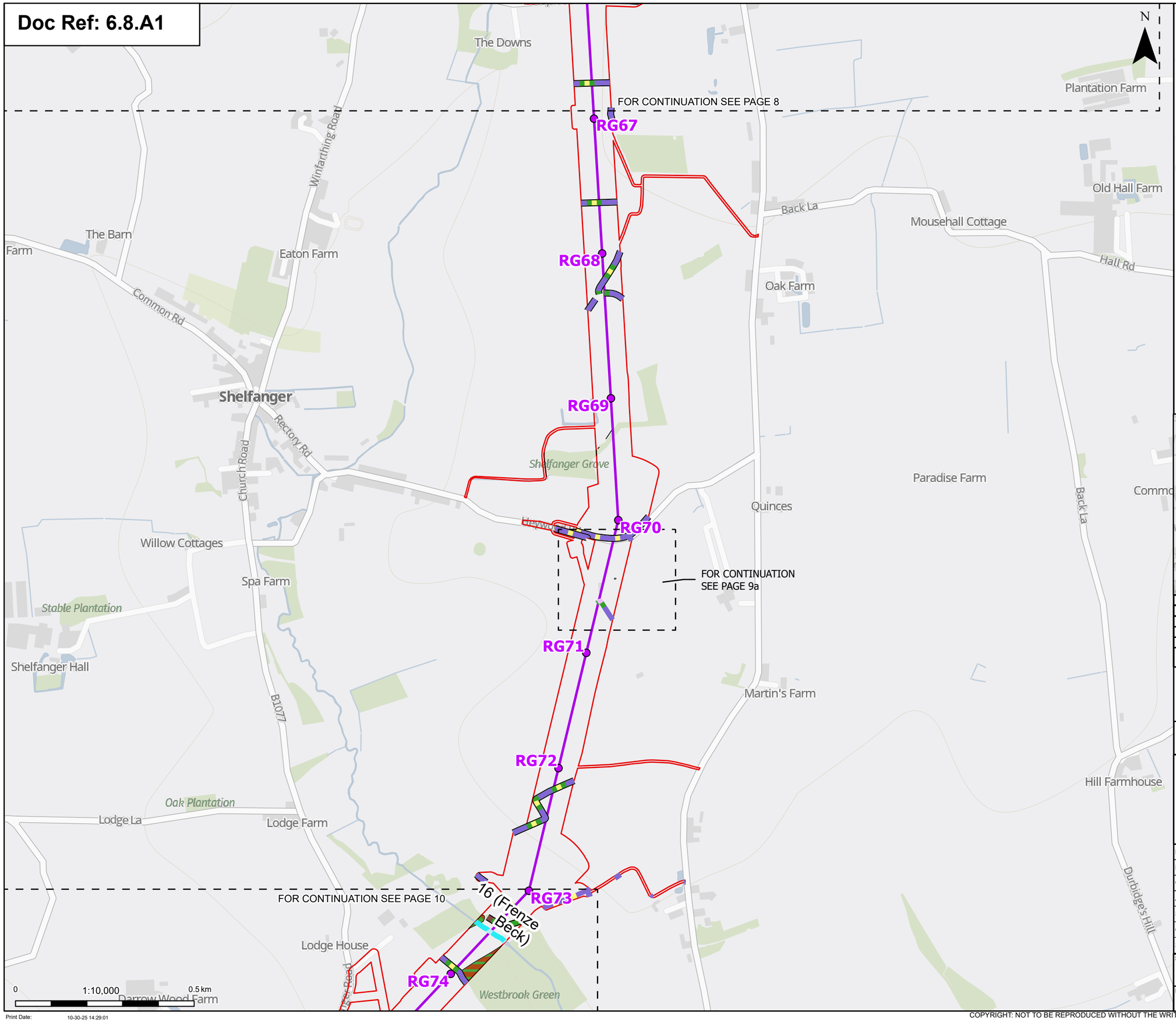
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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees - associated with bank or ditch

Species-rich native hedgerow with trees

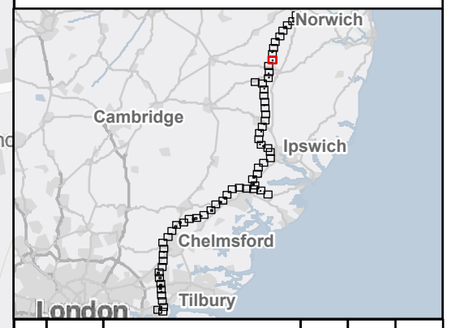
Lowland mixed deciduous woodland

Ponds (priority habitat)

Wet woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section A
Page 9 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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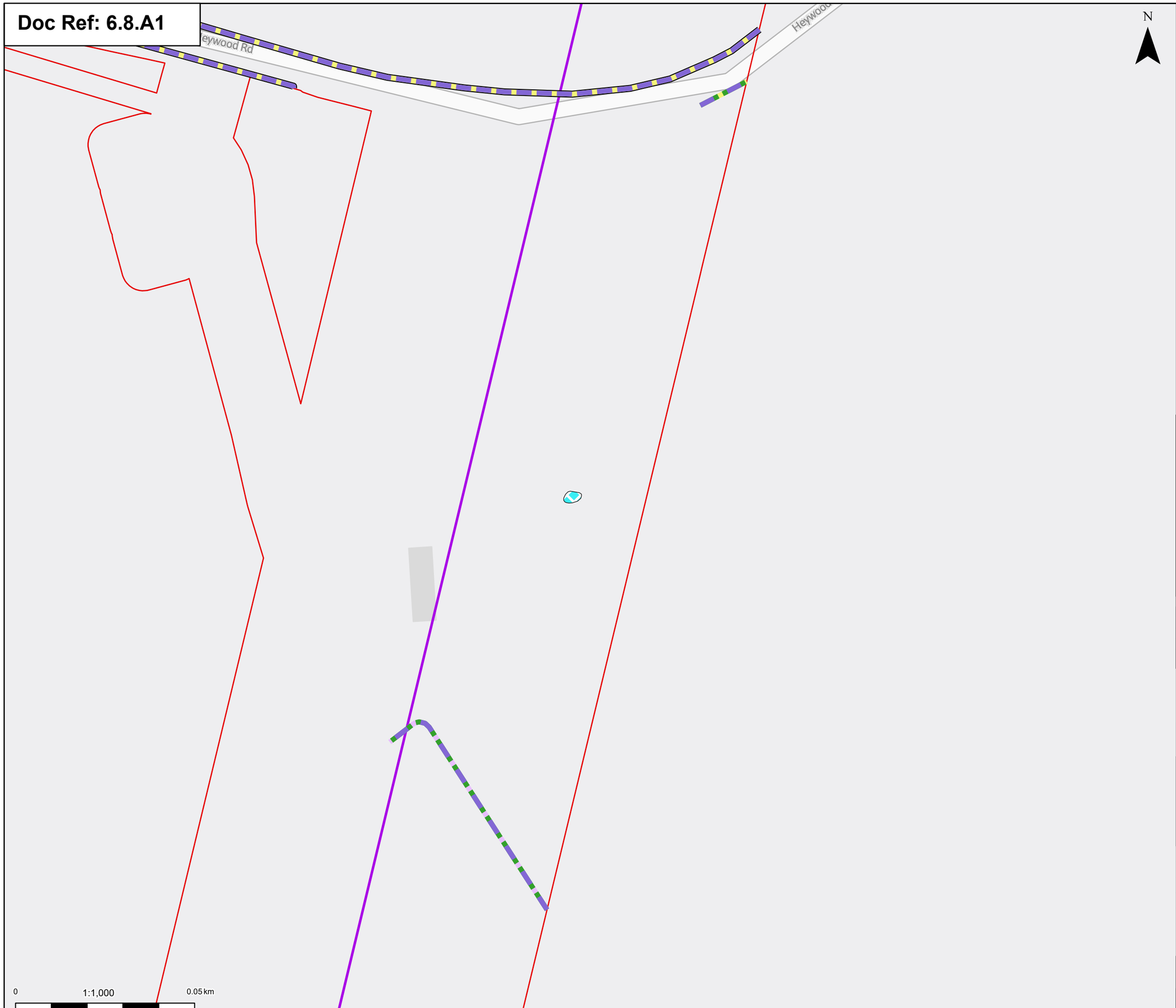
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Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow - associated with bank or ditch

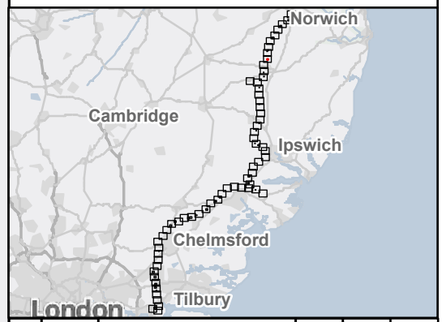
Native hedgerow with trees

Species-rich native hedgerow with trees

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section A
Page 9a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:1,000	Datum:	AOD
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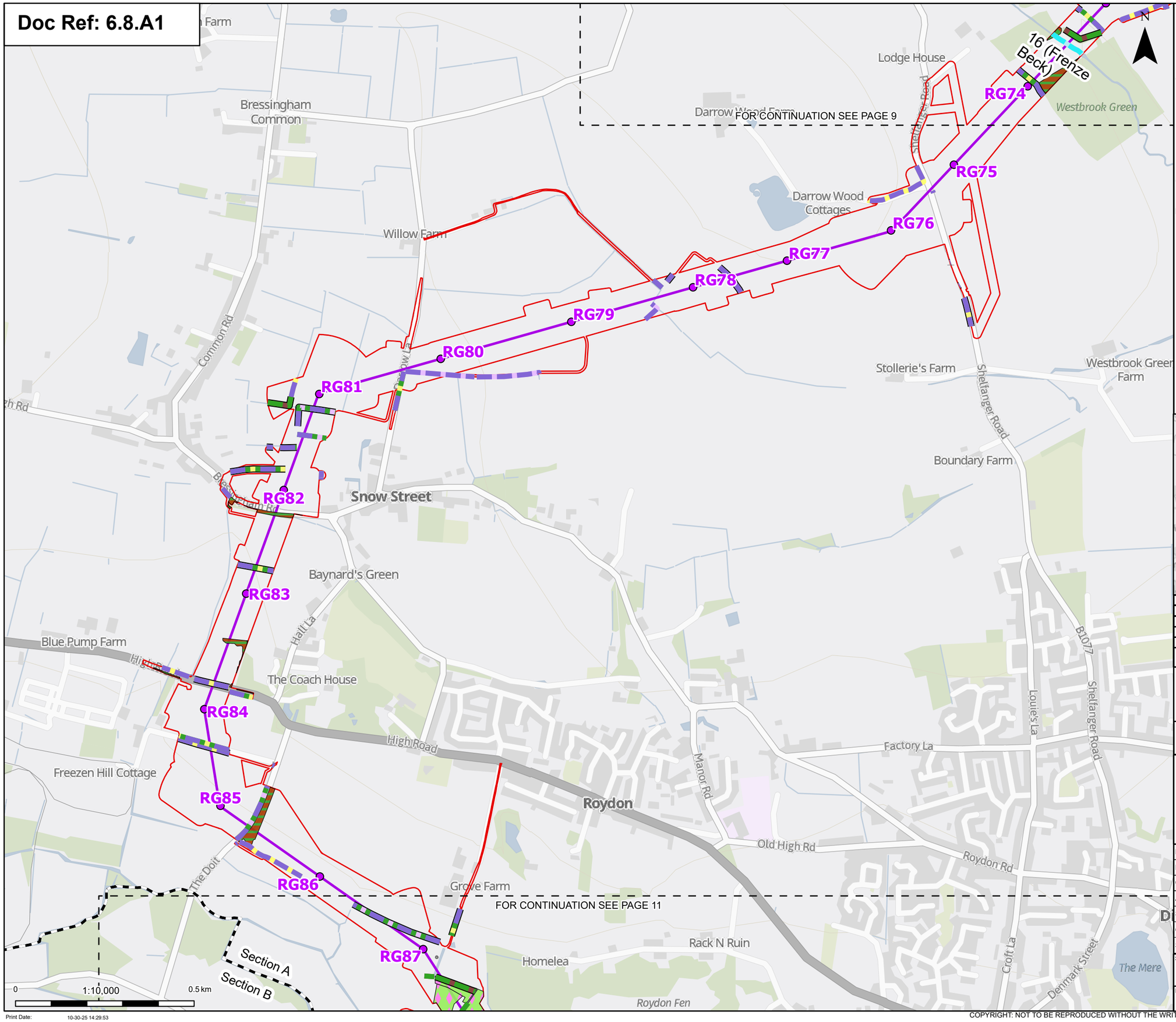
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Proposed overhead line alignment
Environmental mitigation

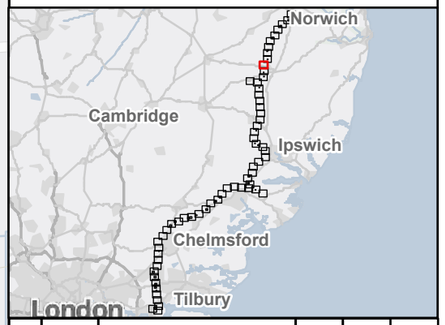
Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Floodplain wetland mosaic and coastal floodplain grazing marsh
Lowland mixed deciduous woodland
Wet woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections A and B
Page 10 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

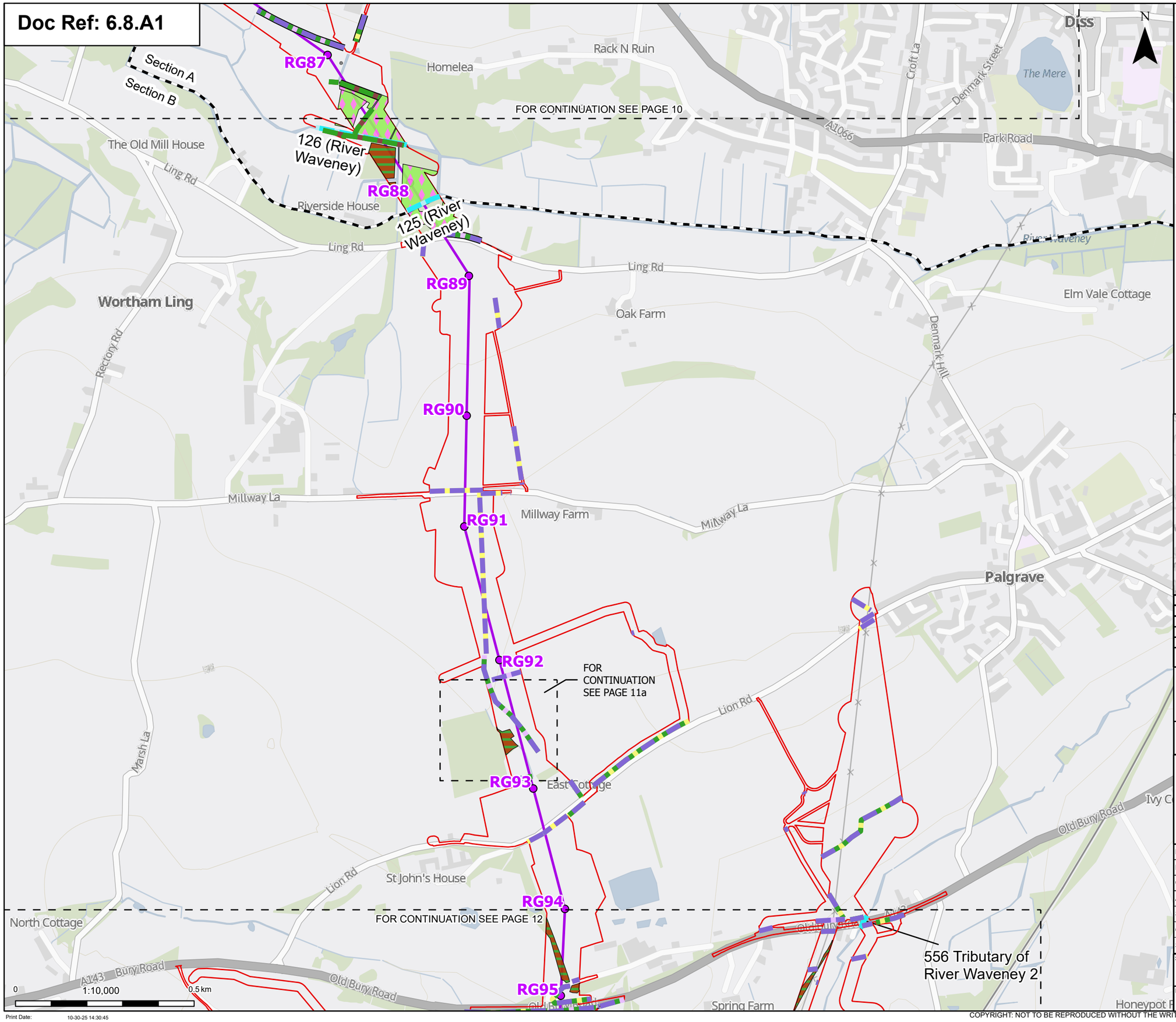
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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Doc Ref: 6.8.A1



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Proposed overhead line alignment
Environmental mitigation

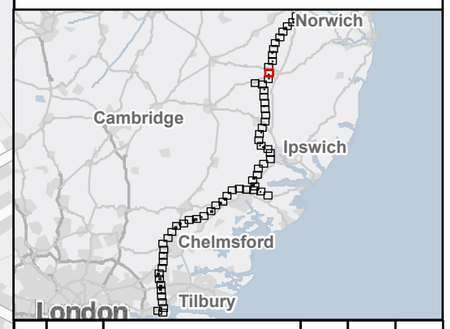
Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat
Native hedgerow
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Floodplain wetland mosaic and coastal floodplain grazing marsh
Lowland mixed deciduous woodland
Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections A and B
Page 11 of 63

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

Suitability Description: Accepted as Concept Stage

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Revision: B

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Print Date: 10-30-25 15:25:56

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Proposed project design details

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Species-rich native hedgerow

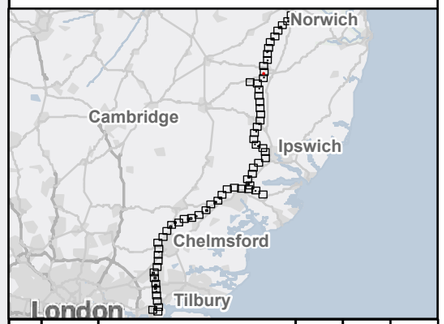
Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 11a of 63

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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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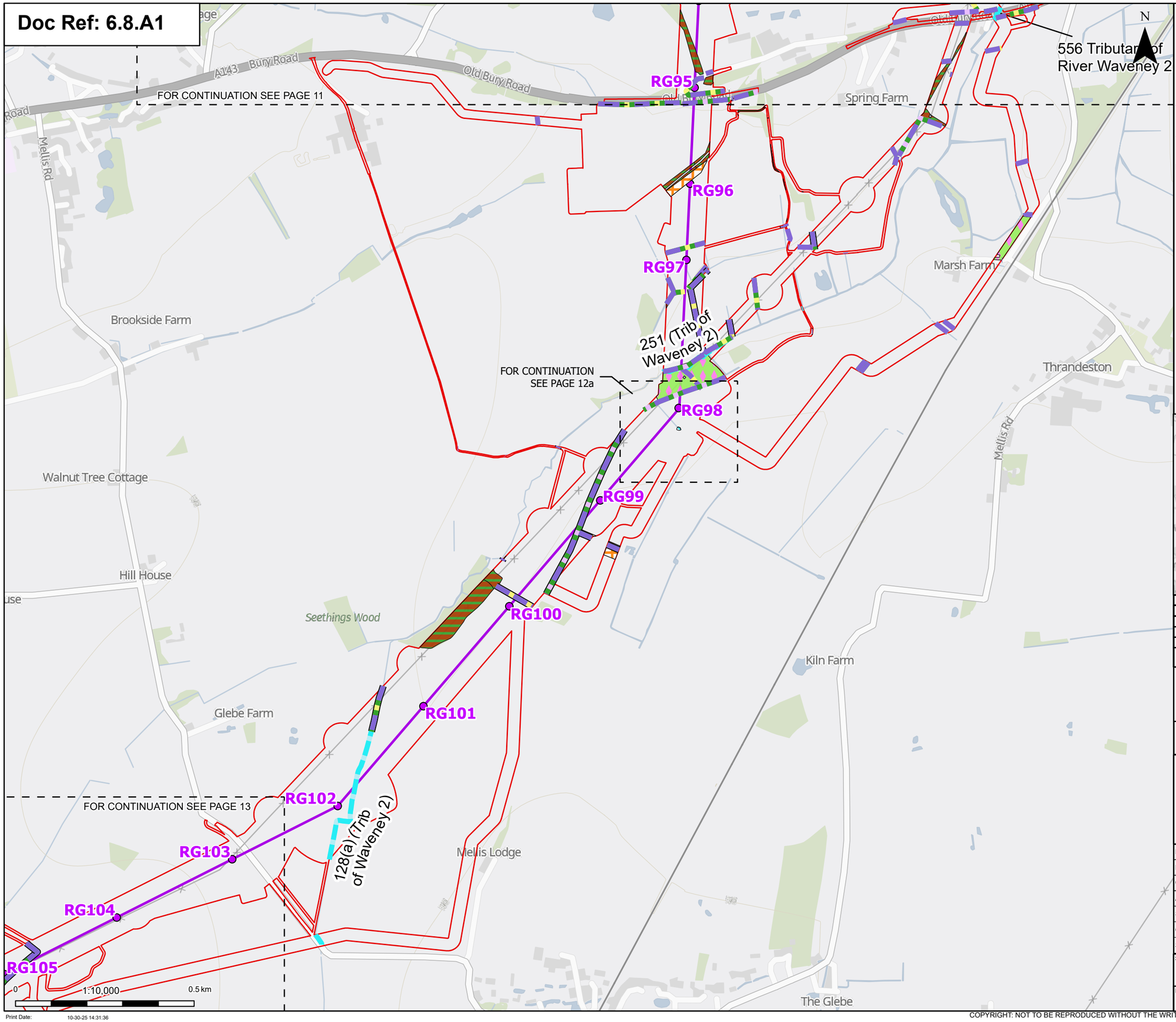
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



Order limits

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow

Species-rich native hedgerow - associated with bank or ditch

Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Arable field margins game bird mix

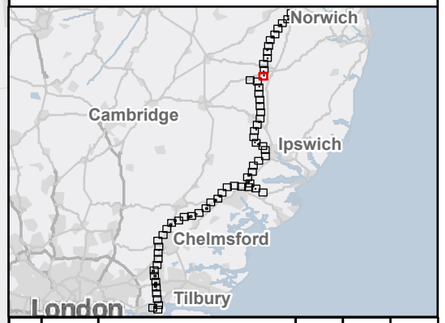
Floodplain wetland mosaic and coastal floodplain grazing marsh

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 12 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Description:
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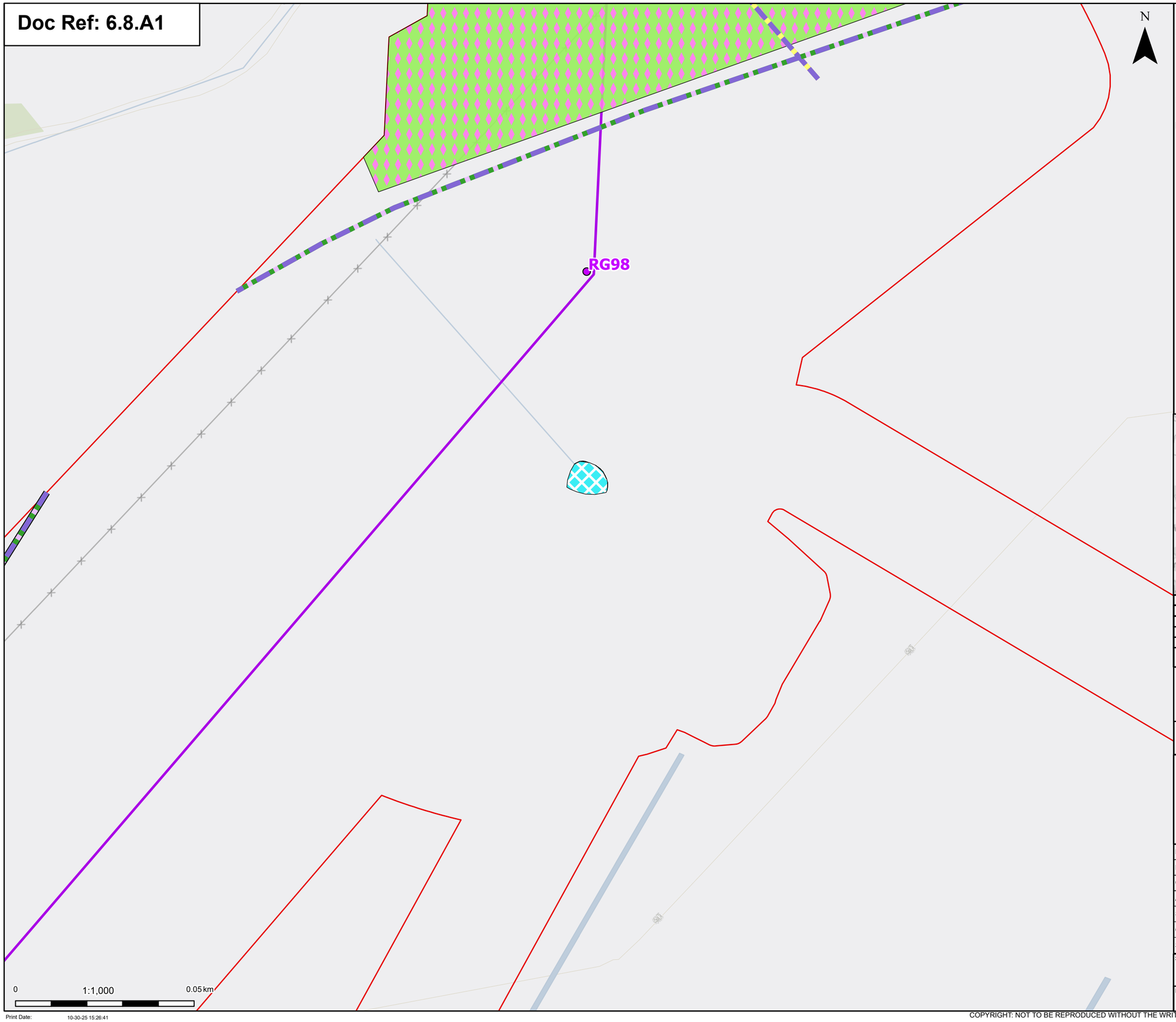
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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Species-rich native hedgerow with trees

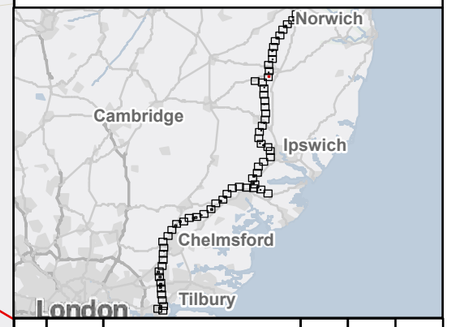
Species-rich native hedgerow with trees - associated with bank or ditch

Floodplain wetland mosaic and coastal floodplain grazing marsh

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 12a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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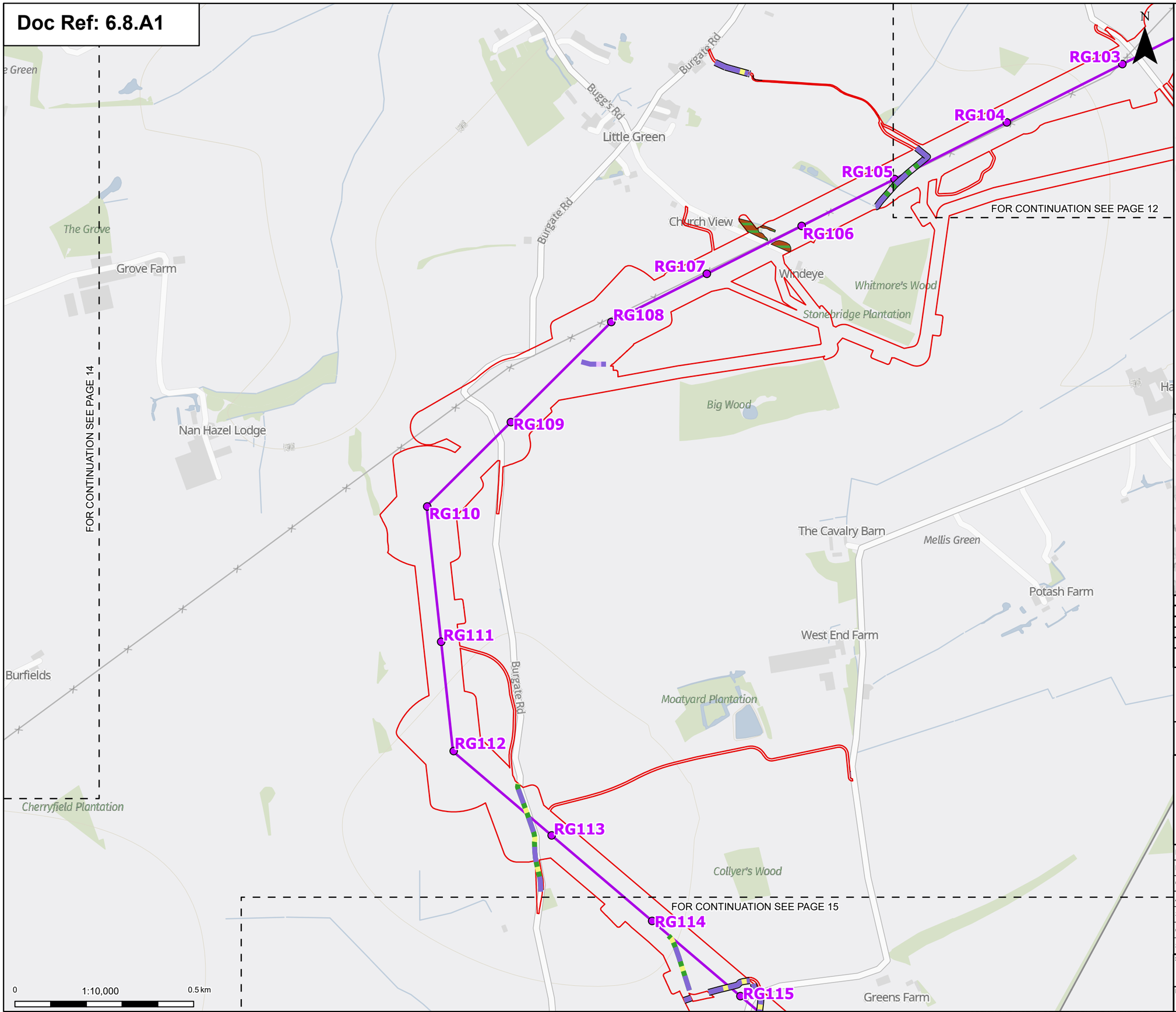
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Doc Ref: 6.8.A1



Order limits

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Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

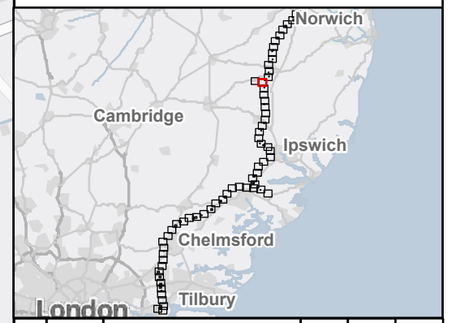
Species-rich native hedgerow

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 13 of 63

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

Suitability Description:
Accepted as Concept Stage

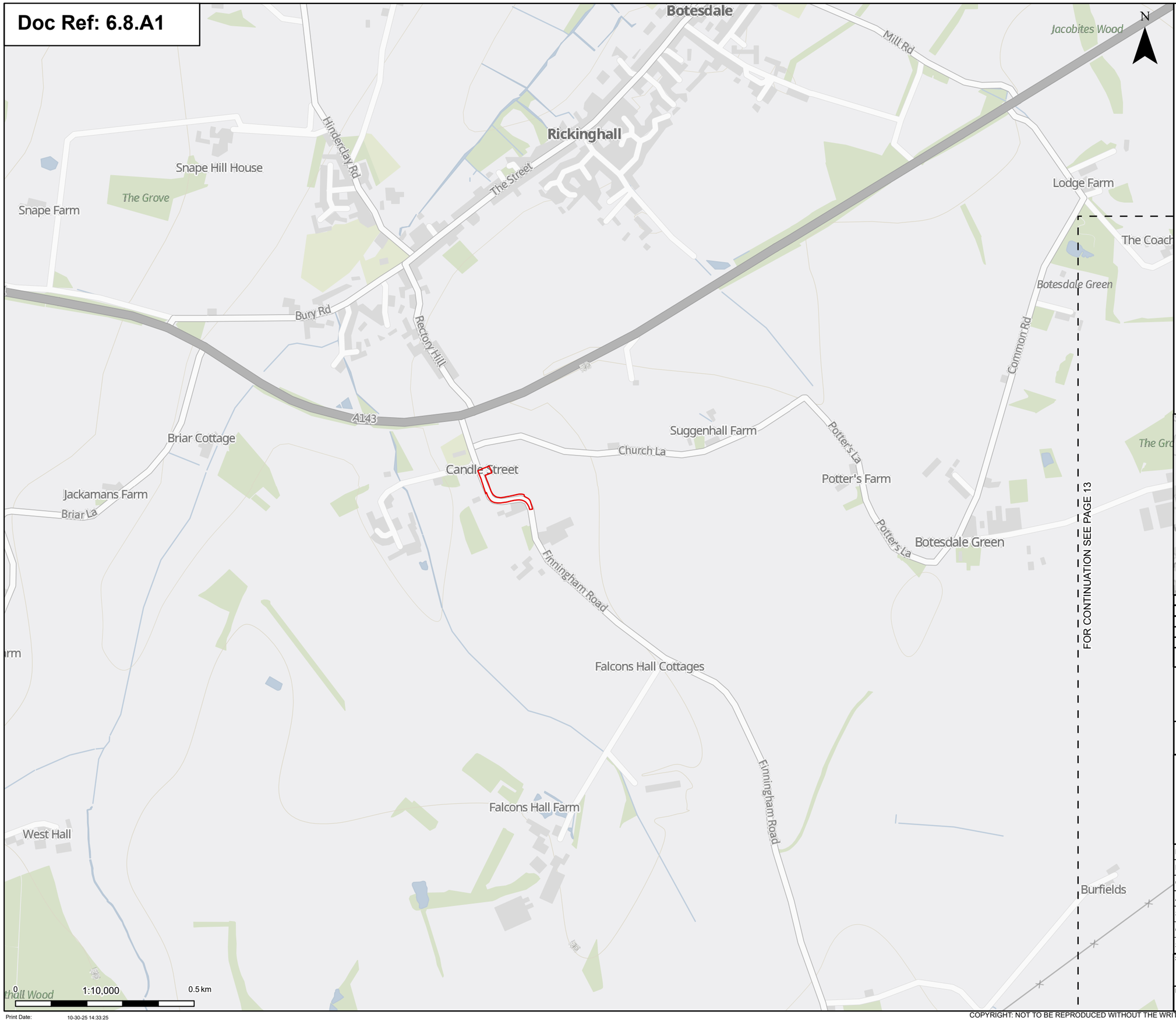
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Revision: B

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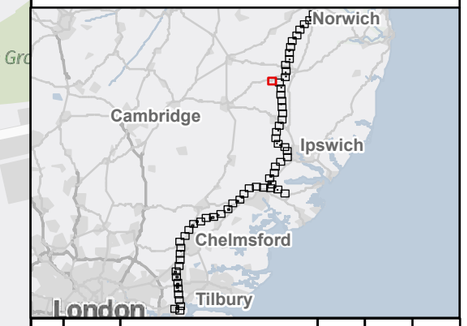


Order limits

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Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 14 of 63

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

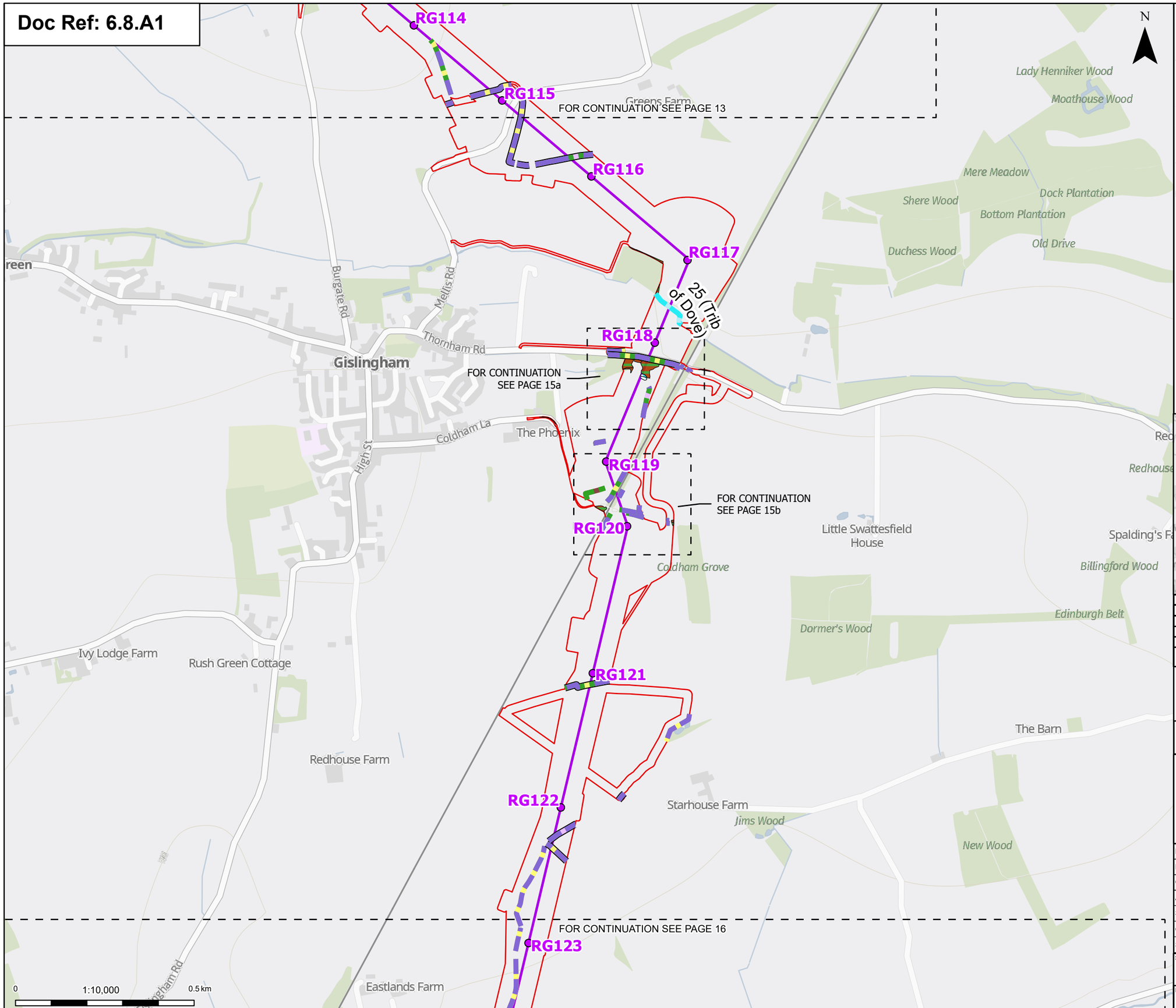
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

Species-rich native hedgerow - associated with bank or ditch

Species-rich native hedgerow with trees

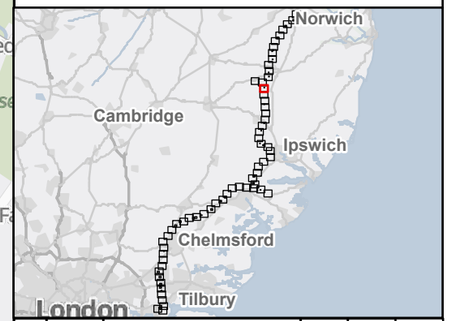
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section B
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Designed	A. Pinkney	Date	October 25
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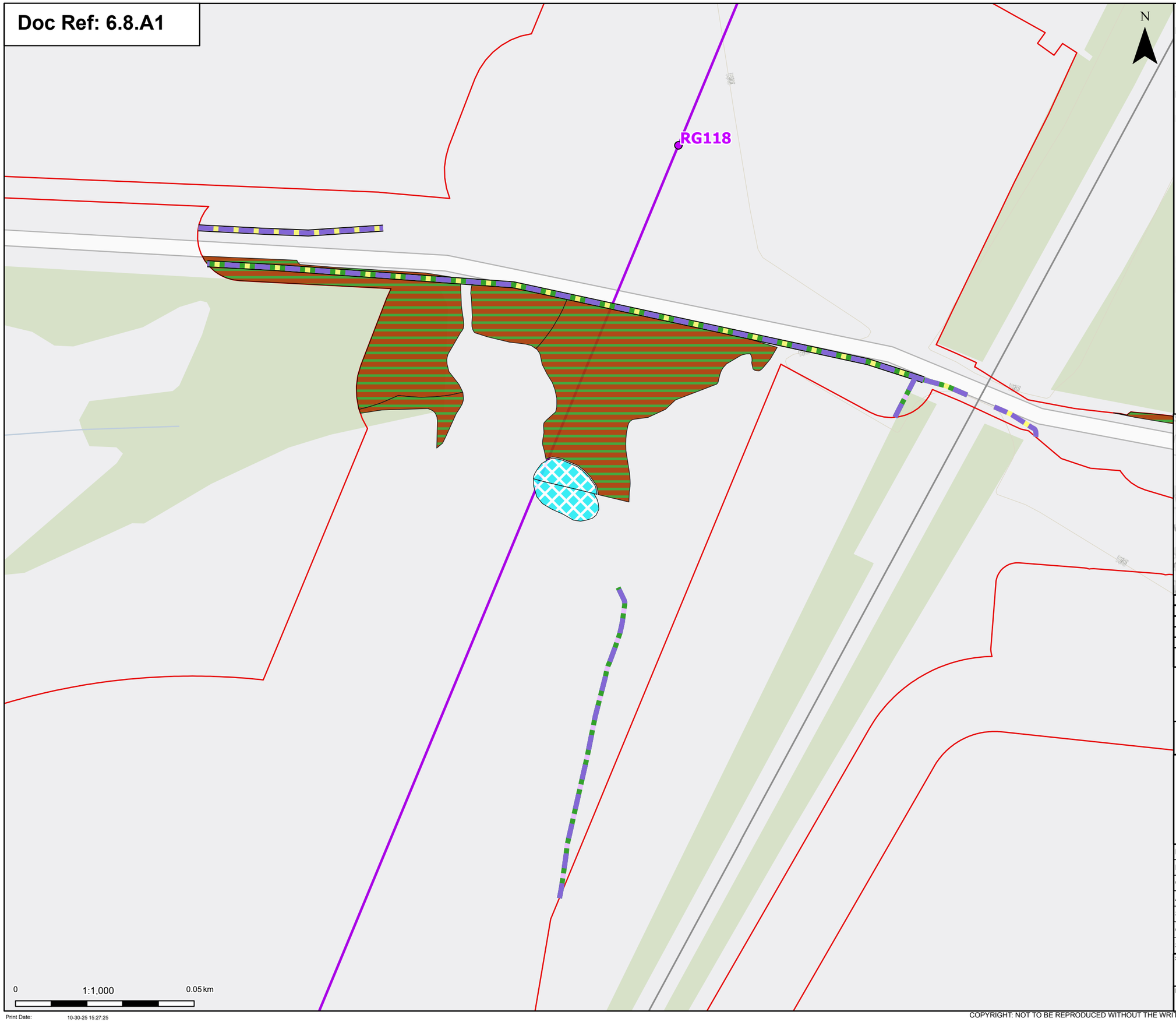
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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
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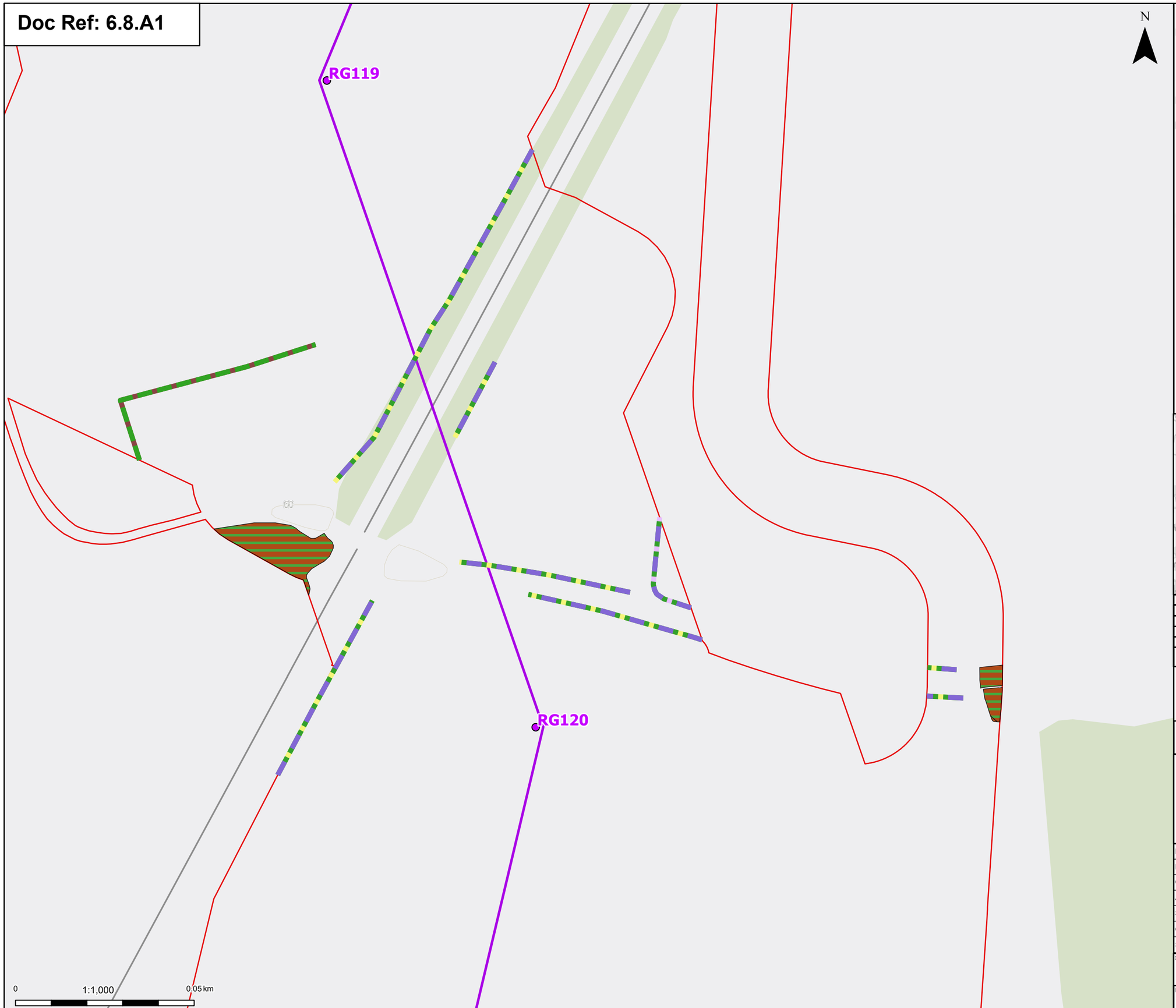
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow with trees

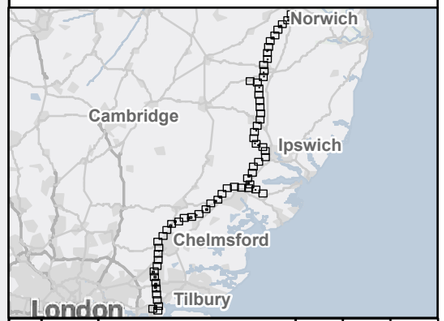
Ecologically valuable line of trees

Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
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Planning Inspectorate App Number: EN020027
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Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
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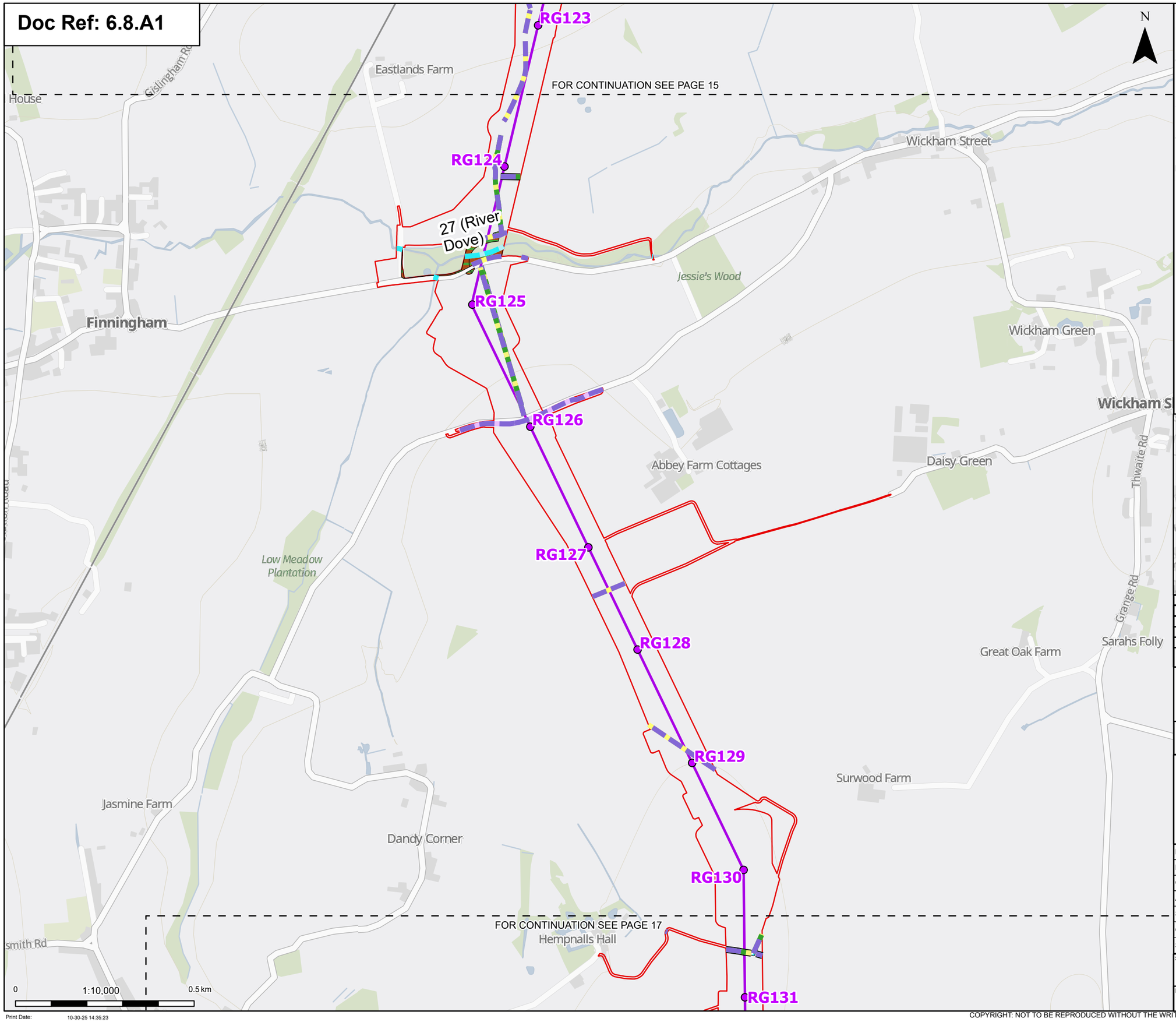
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow

Species-rich native hedgerow with trees

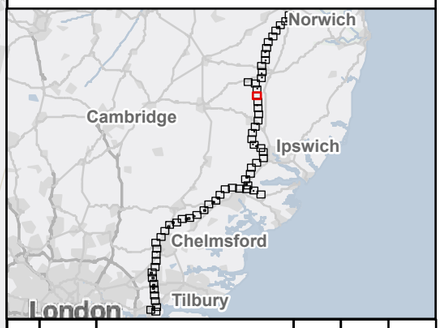
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
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Designed	A. Pinkney	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

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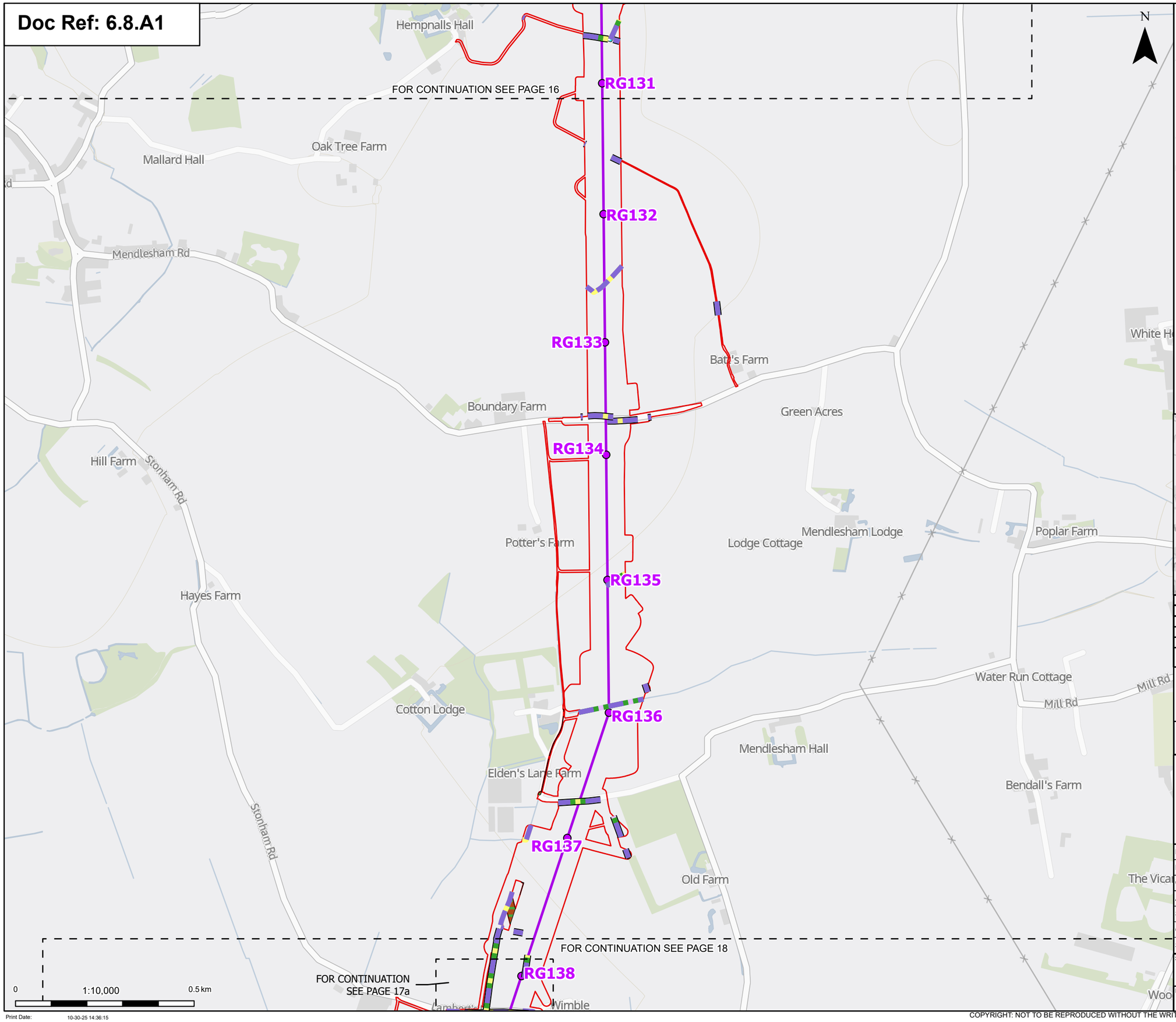
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Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

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Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow with trees

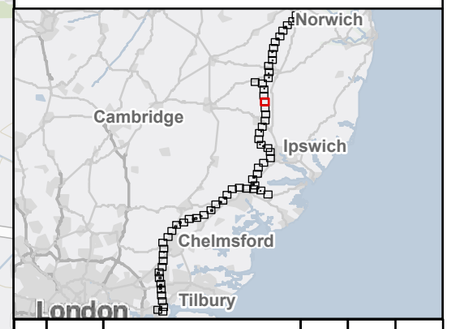
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
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Designed	A. Pinkney	Date	October 25
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Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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Suitability Description: Accepted as Concept Stage

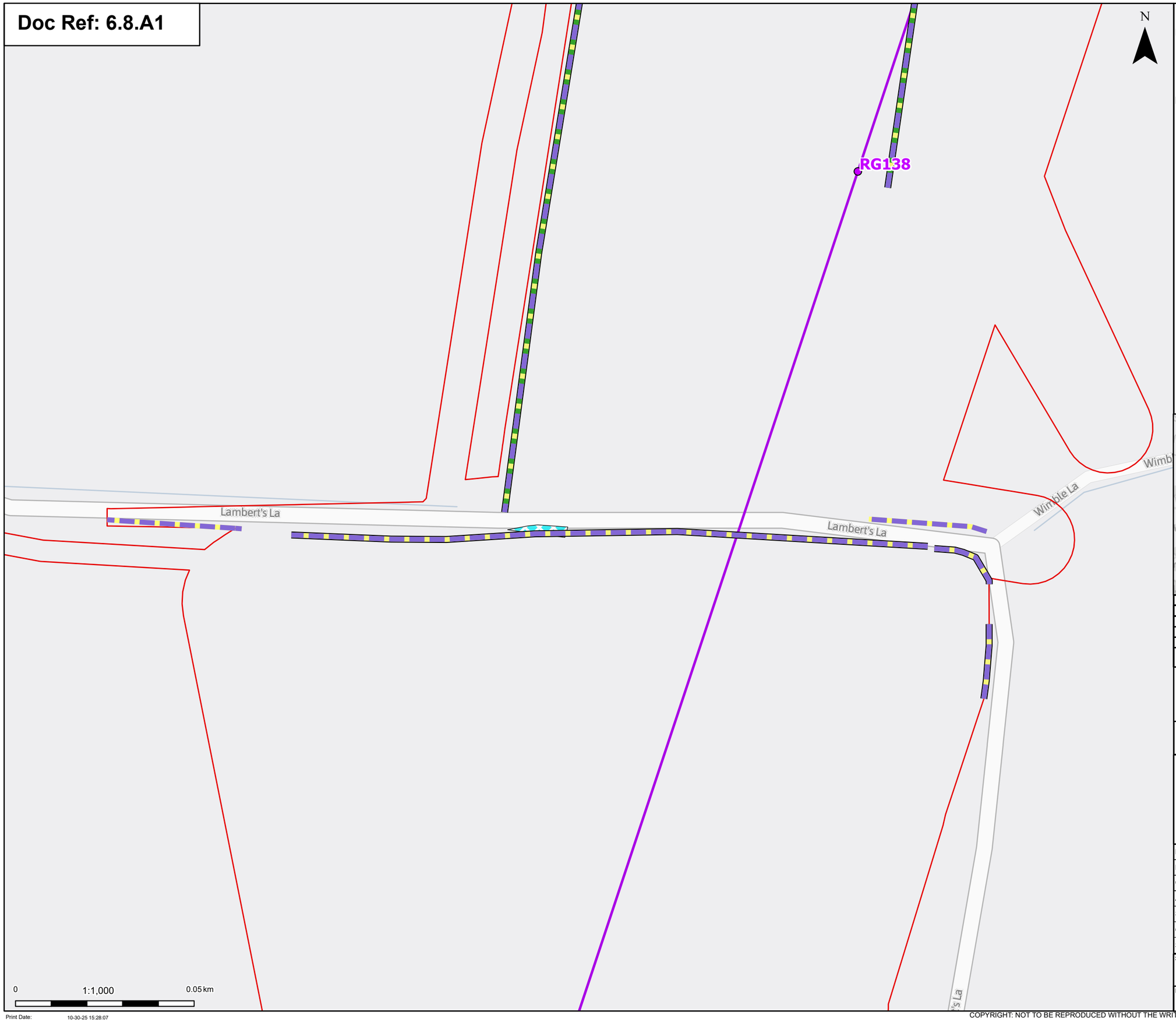
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Proposed standard lattice pylon location

Proposed overhead line alignment

Habitats of Principal Importance (HPI)

Native hedgerow

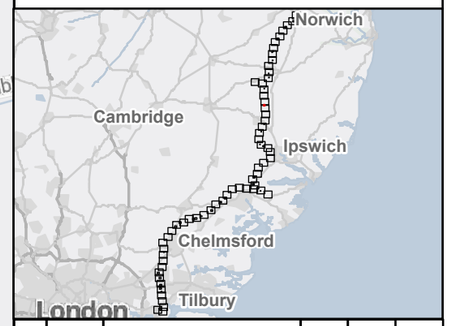
Native hedgerow - associated with bank or ditch

Native hedgerow with trees - associated with bank or ditch

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
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Approved	K. Burrows	Date	October 25
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Suitability Description:
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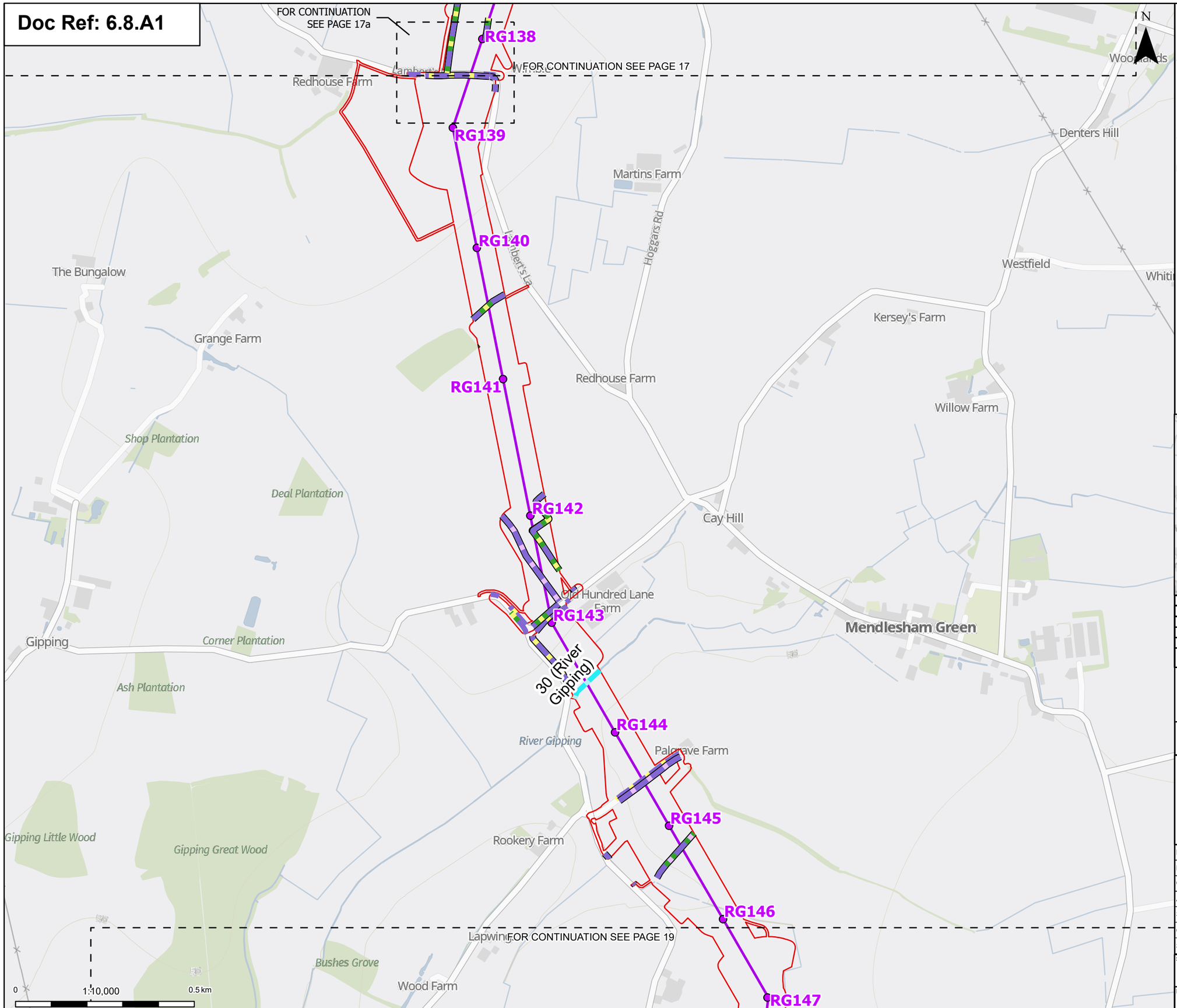
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow - associated with bank or ditch

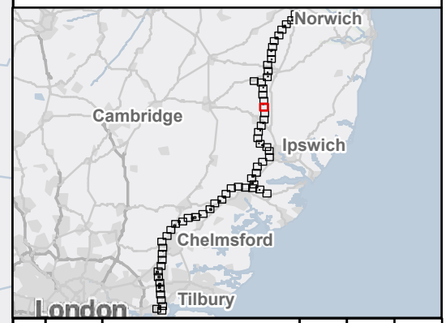
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section B
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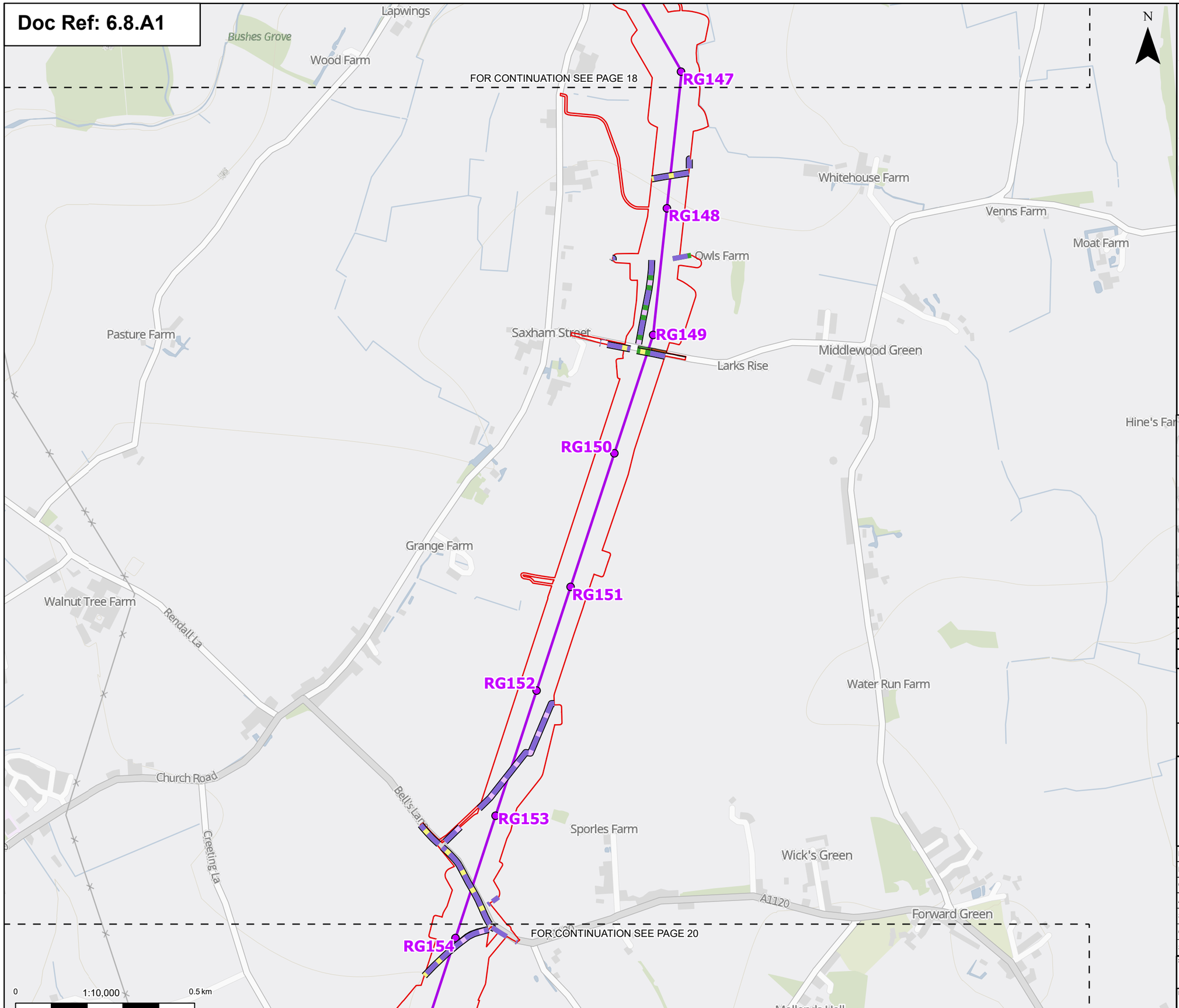
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Discipline specific constraints

Habitats of Principal Importance (HPI)

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Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

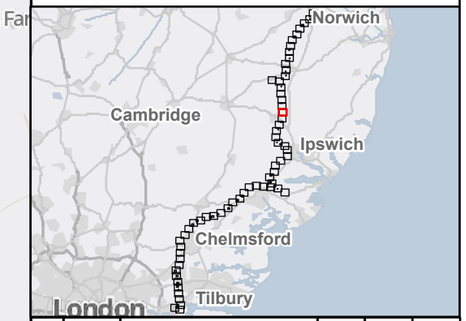
Species-rich native hedgerow - associated with bank or ditch

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
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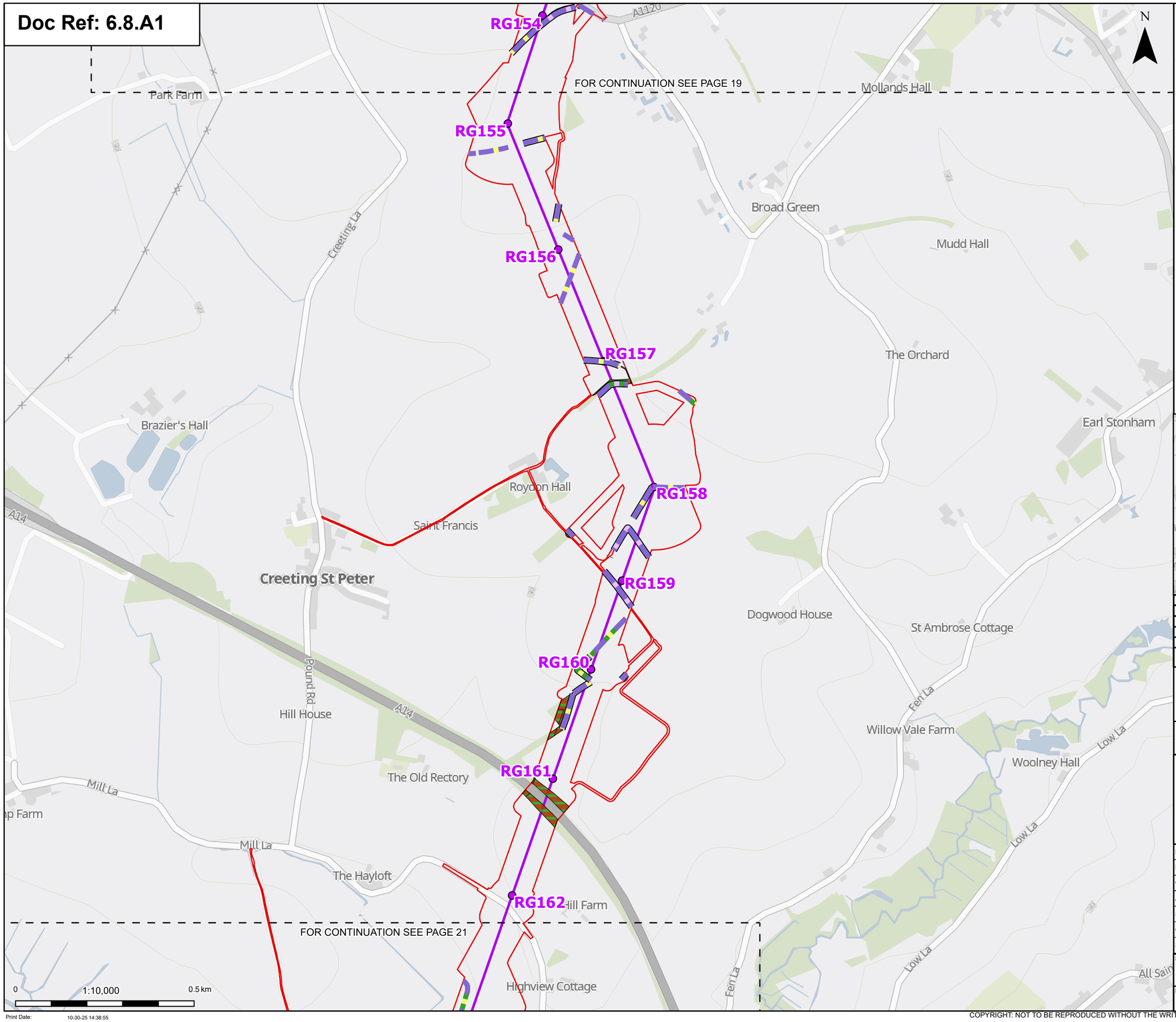
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Discipline specific constraints

Habitats of Principal Importance (HPI)

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Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

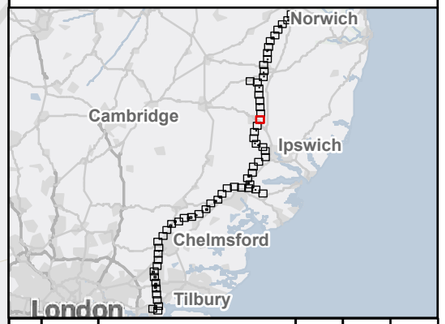
Species-rich native hedgerow - associated with bank or ditch

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 20 of 63

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

Suitability Description:
Accepted as Concept Stage

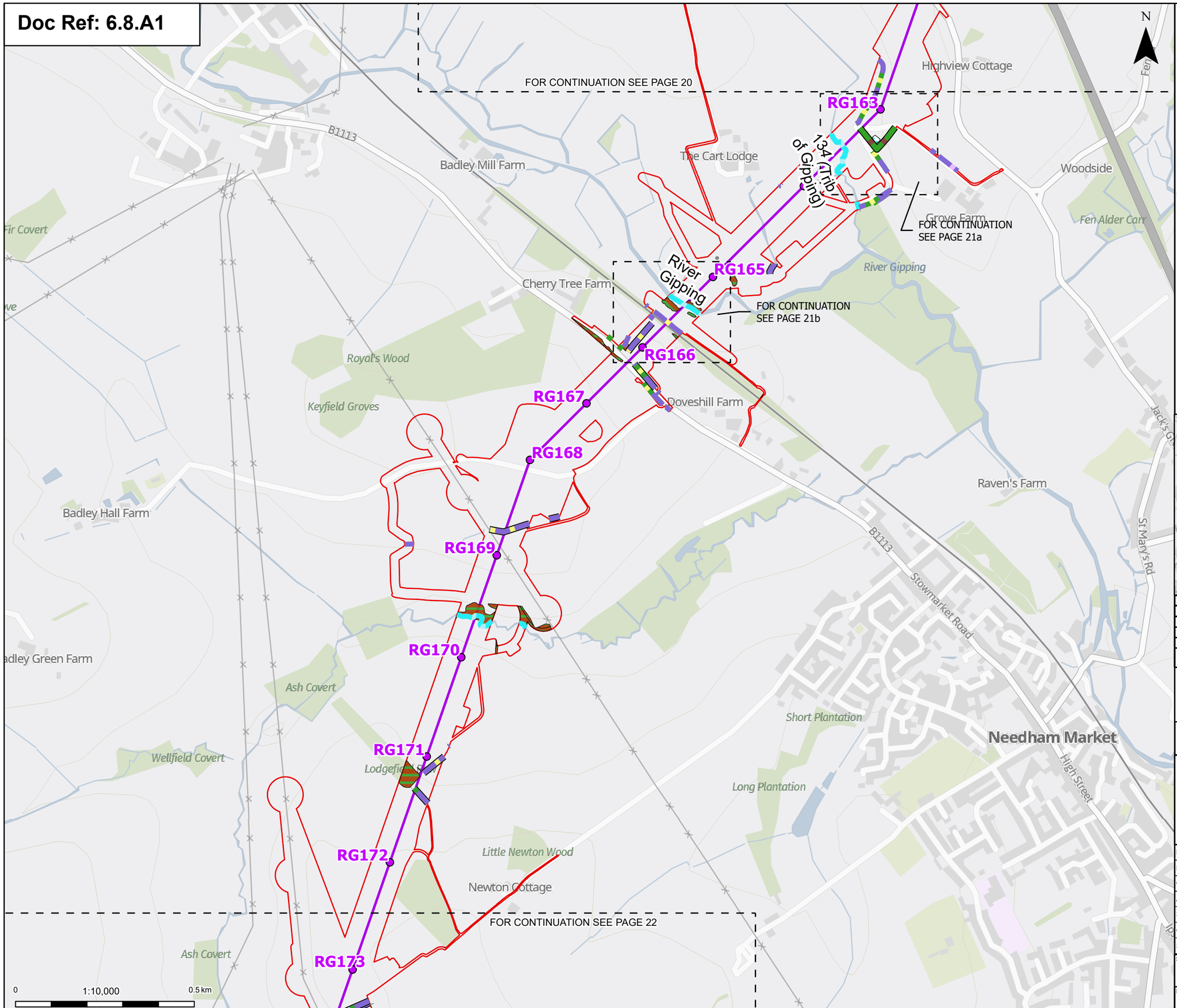
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Revision: B

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Doc Ref: 6.8.A1



Print Date: 10-30-25 14:39:45

Order limits
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Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation

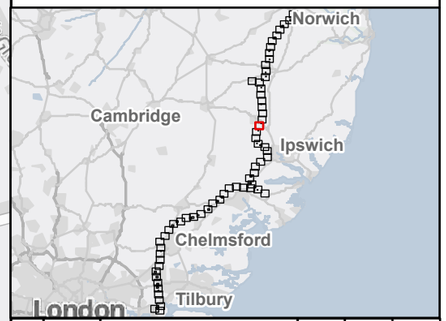
Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow with trees - associated with bank or ditch
Lowland mixed deciduous woodland
Ponds (priority habitat)
Wet woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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)&(I)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 21 of 63

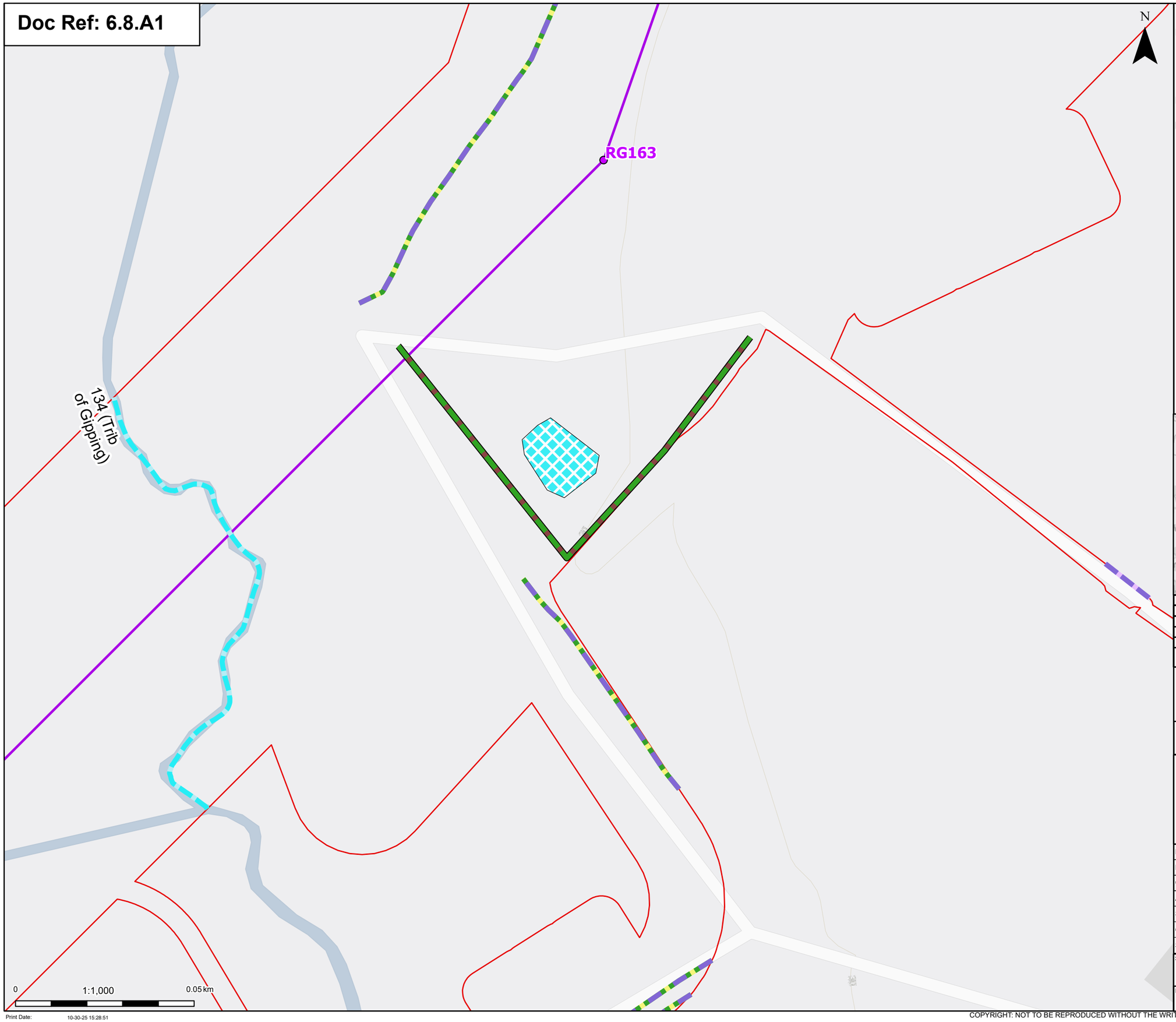
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335 | Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow with trees

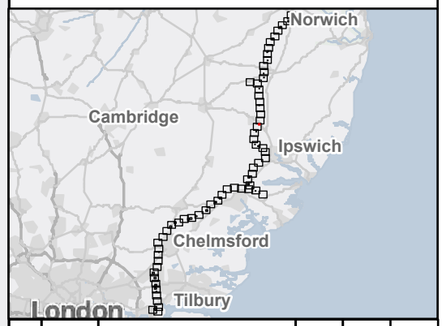
Ecologically valuable line of trees - associated with bank or ditch

Species-rich native hedgerow

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section B
Page 21a of 63

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

Suitability Description:

Accepted as Concept Stage

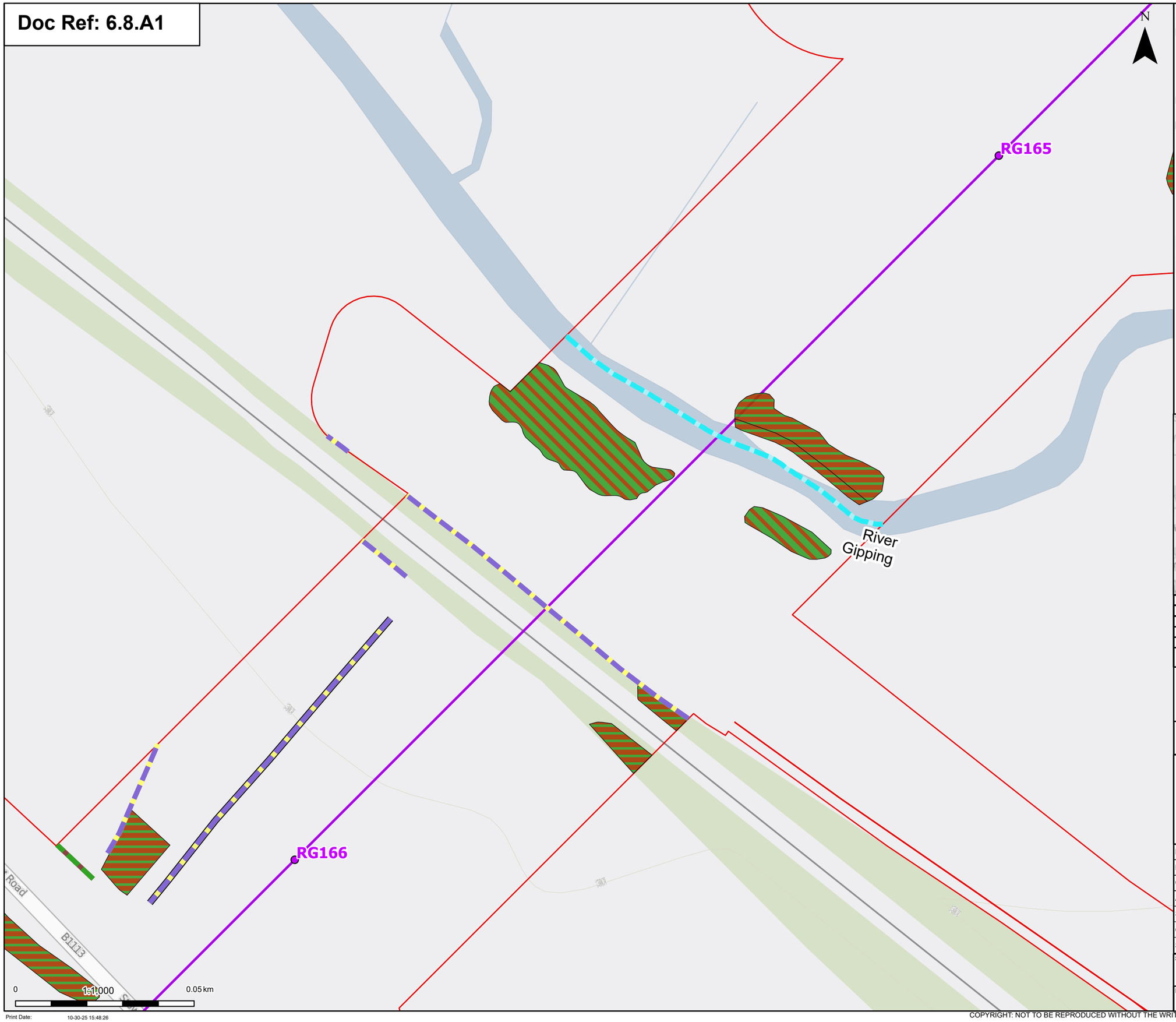
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Revision: B

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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Ecologically valuable line of trees

Lowland mixed deciduous woodland

Wet woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 21b of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
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Scale:	1:1,000	Datum:	AOD
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Suitability Description:
Accepted as Concept Stage

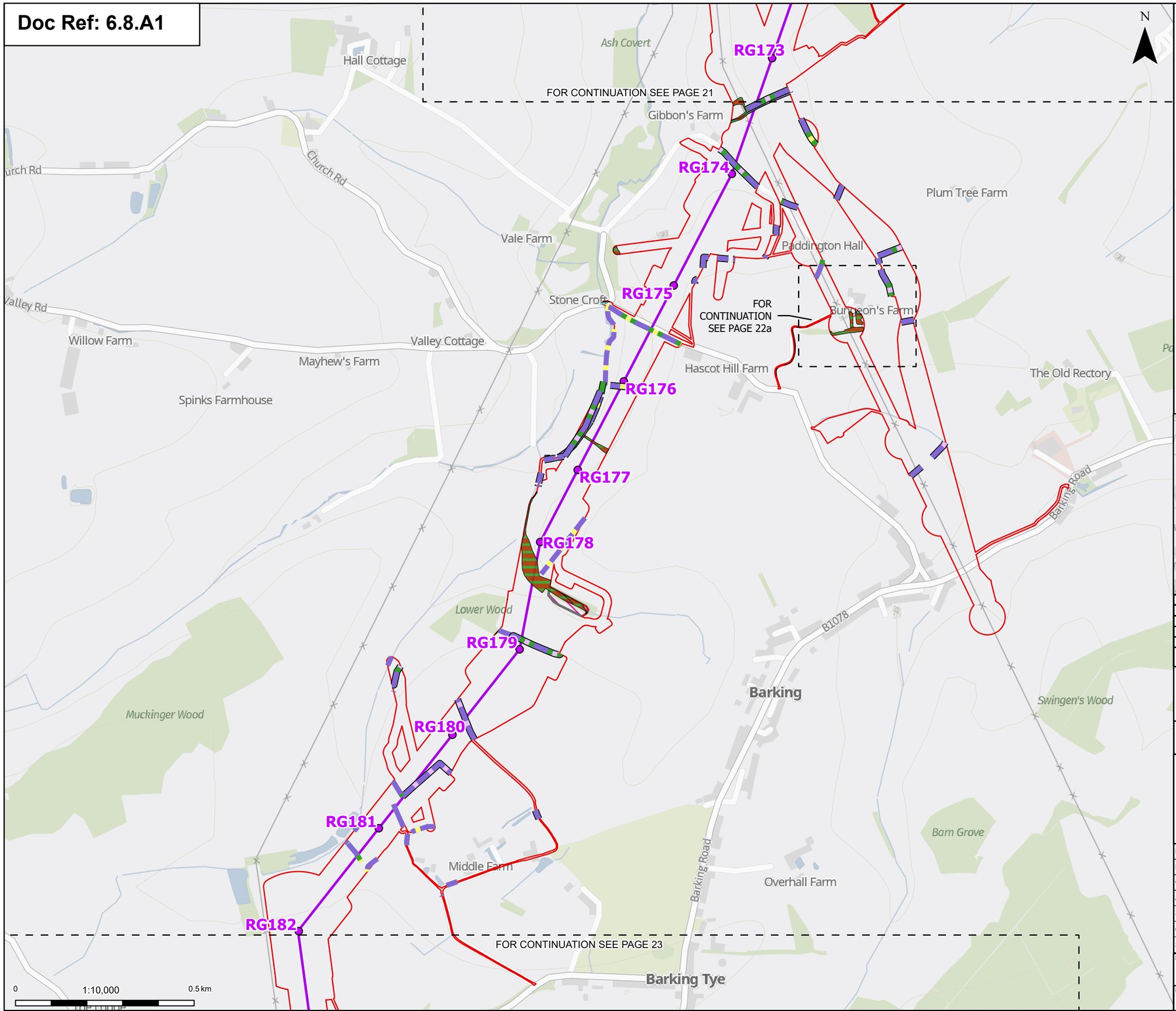
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Revision: B

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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees - associated with bank or ditch

Species-rich native hedgerow - associated with bank or ditch

Species-rich native hedgerow with trees

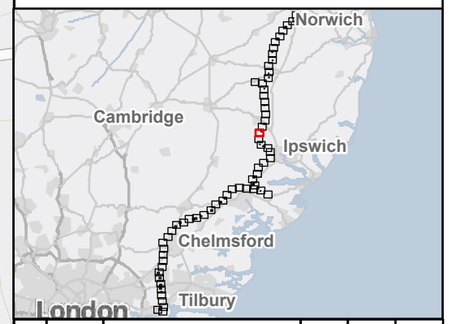
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 22 of 63

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

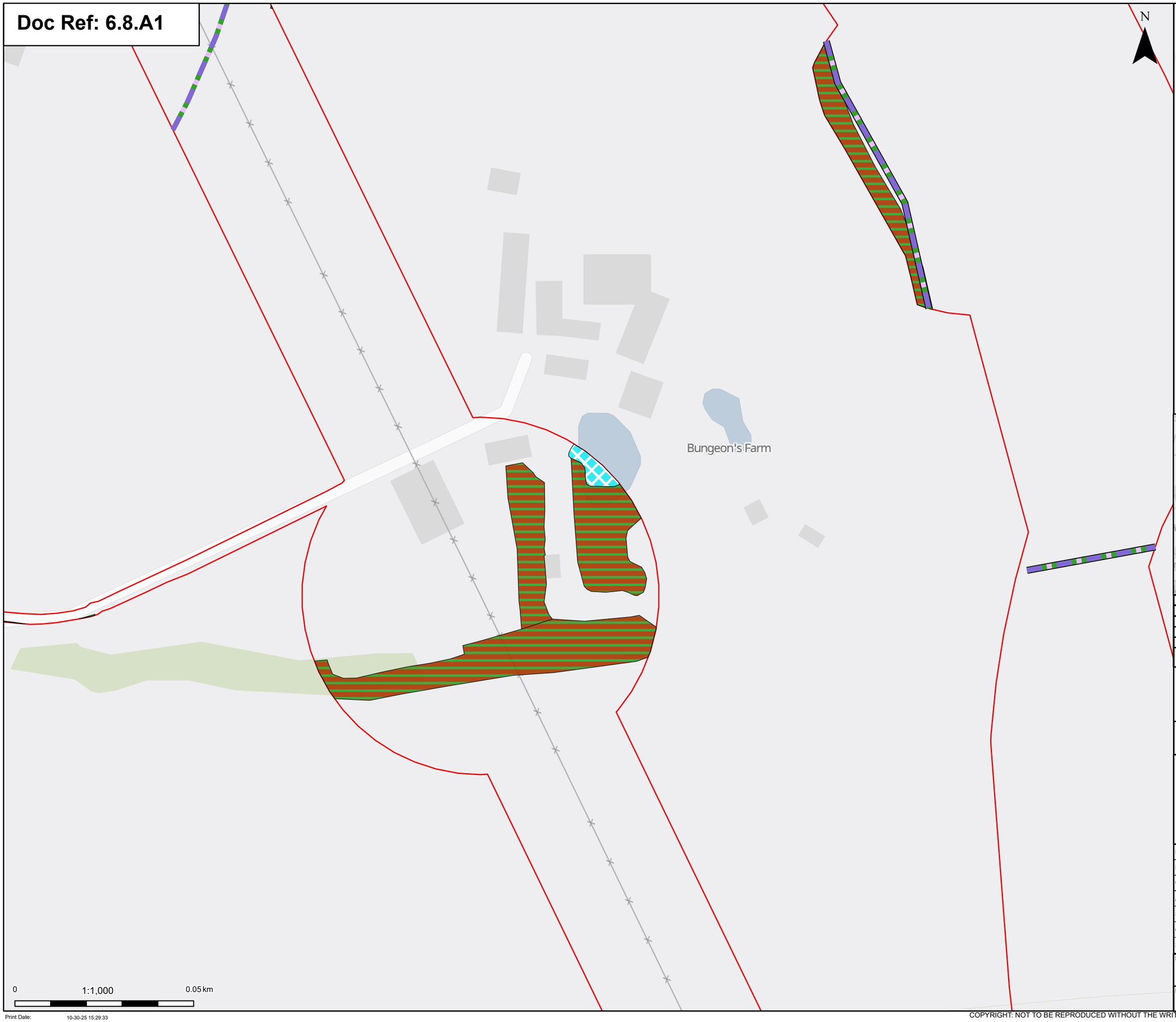
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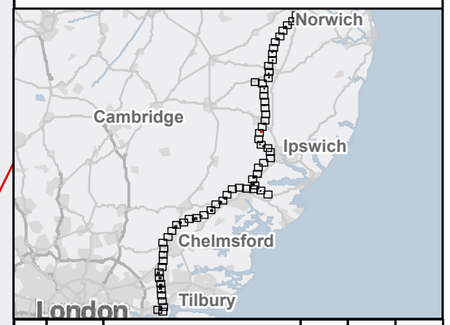
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 22a of 63

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

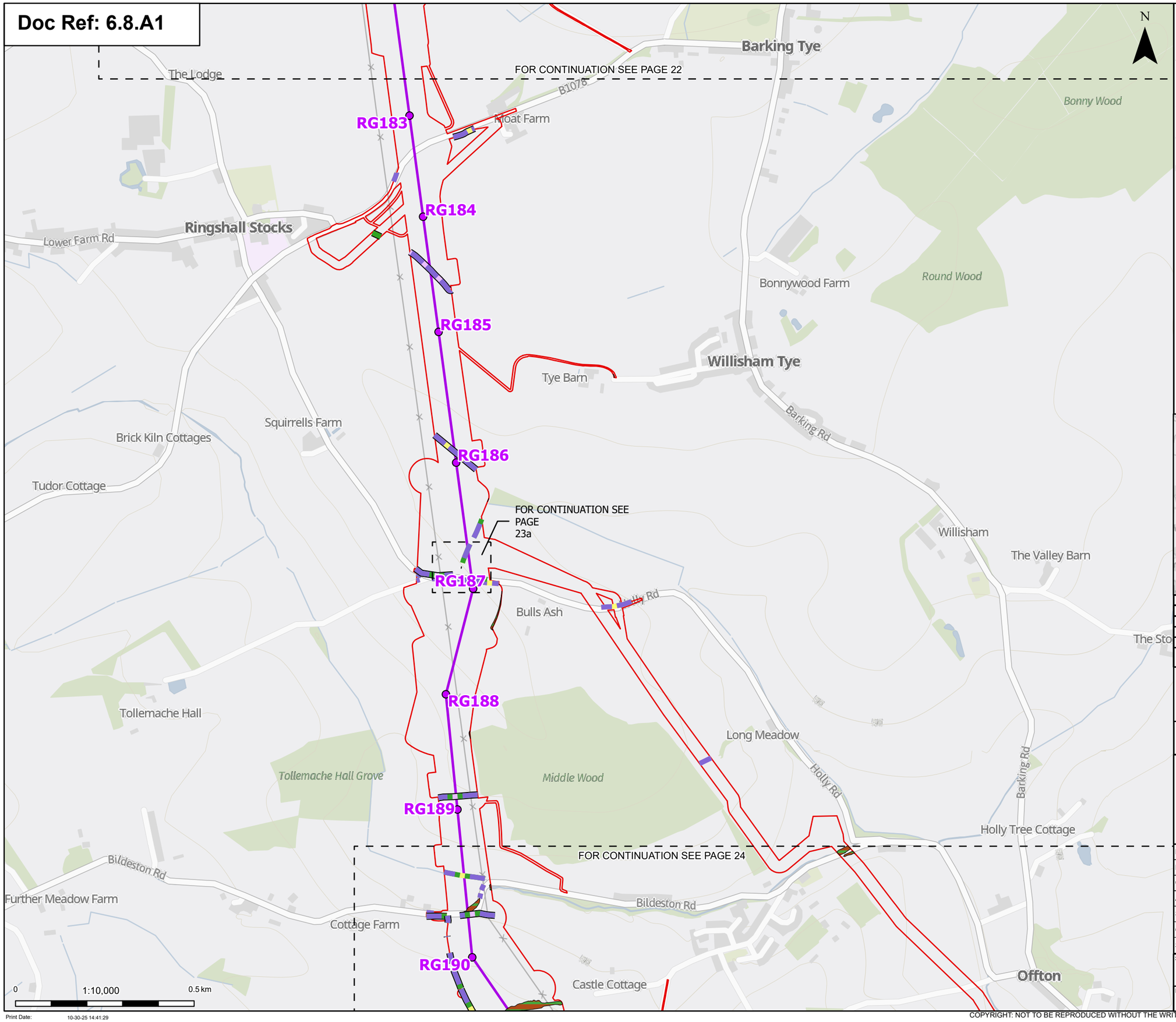
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Revision: B

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Print Date: 10-30-25 14:41:29

Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Lowland mixed deciduous woodland
Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section B
Page 23 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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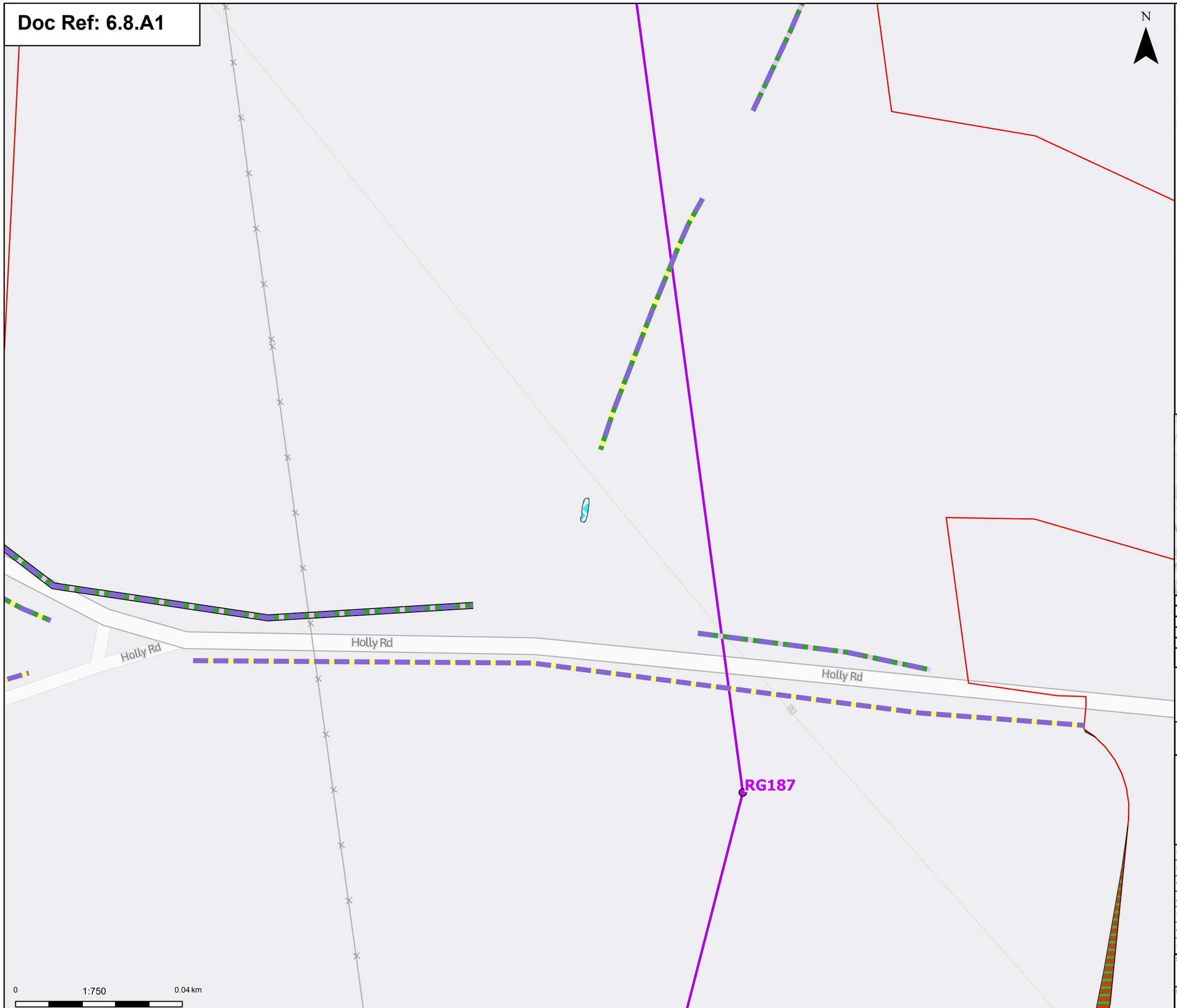
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Revision: B

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Doc Ref: 6.8.A1



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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow with trees

Species-rich native hedgerow with trees

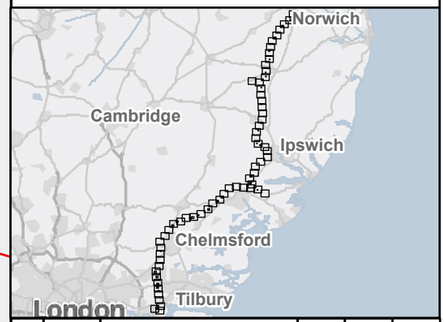
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section B
Page 23a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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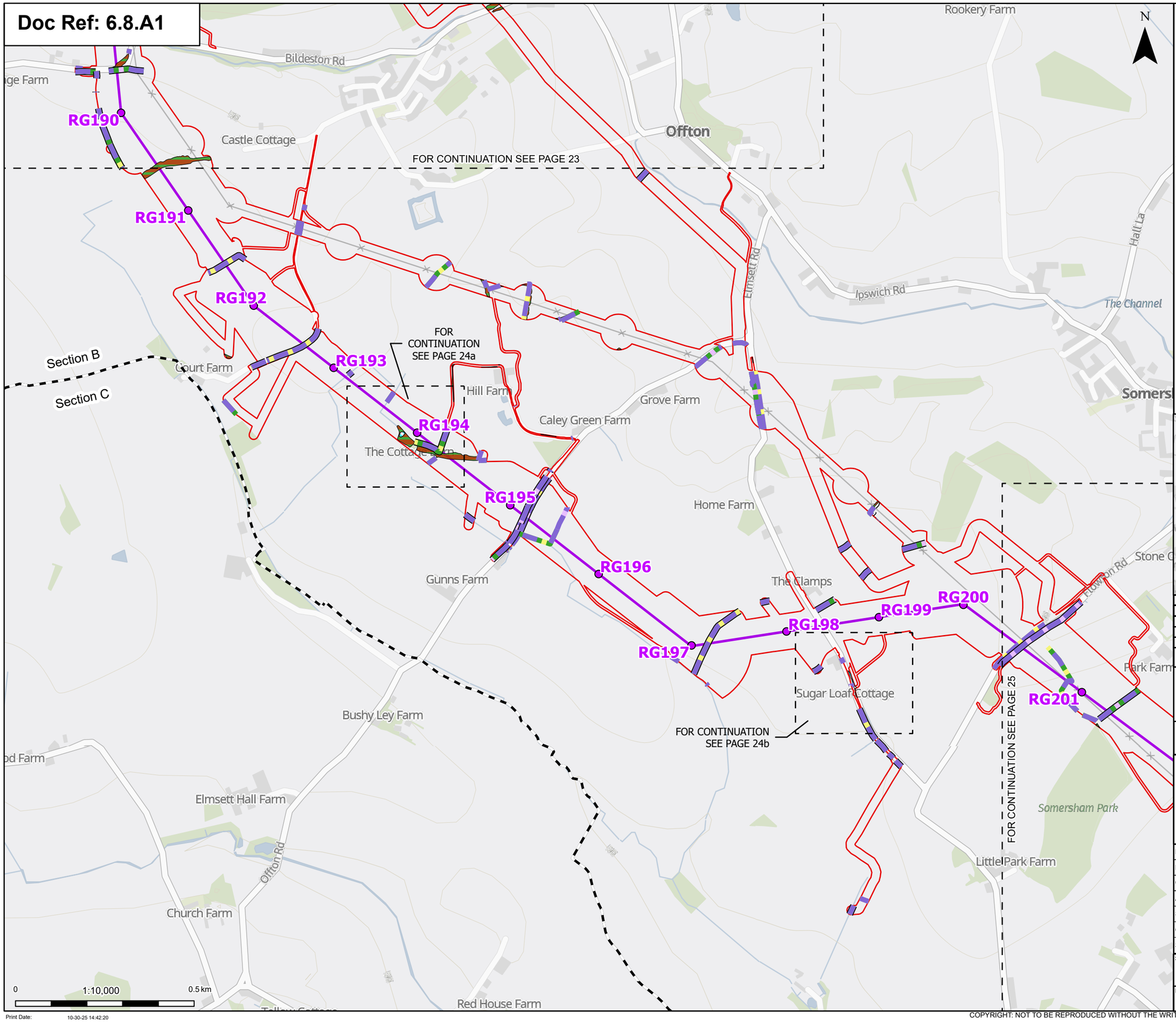
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Order limits
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Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

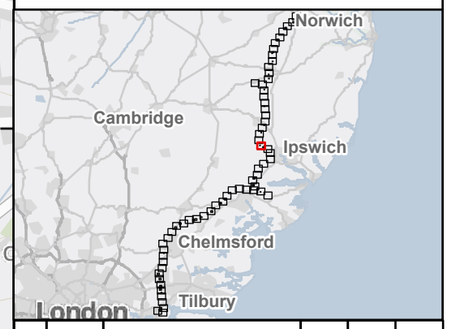
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Arable field margins cultivated annually
Lowland mixed deciduous woodland
Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections B and C Page 24 of 63

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

Suitability Description: Accepted as Concept Stage

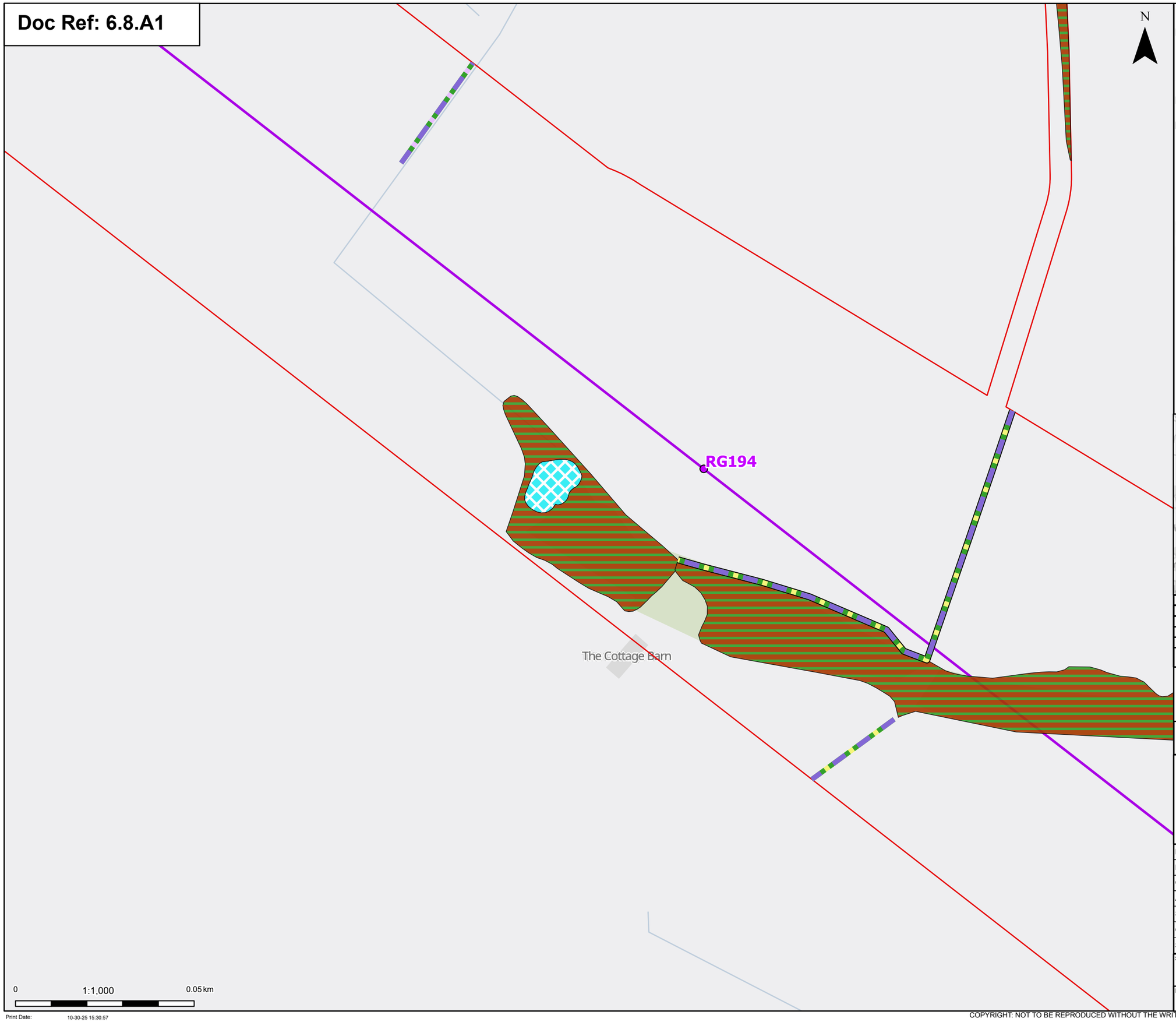
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Revision: B

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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

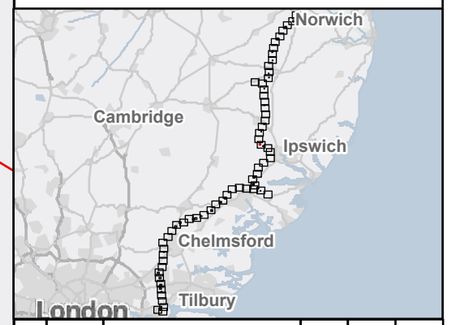
Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections B and C
Page 24a of 63

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

Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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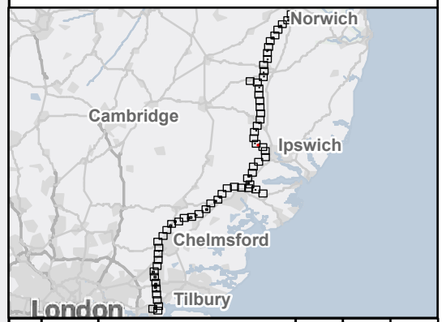
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow - associated with bank or ditch
- Species-rich native hedgerow
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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)&(I)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections B and C
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

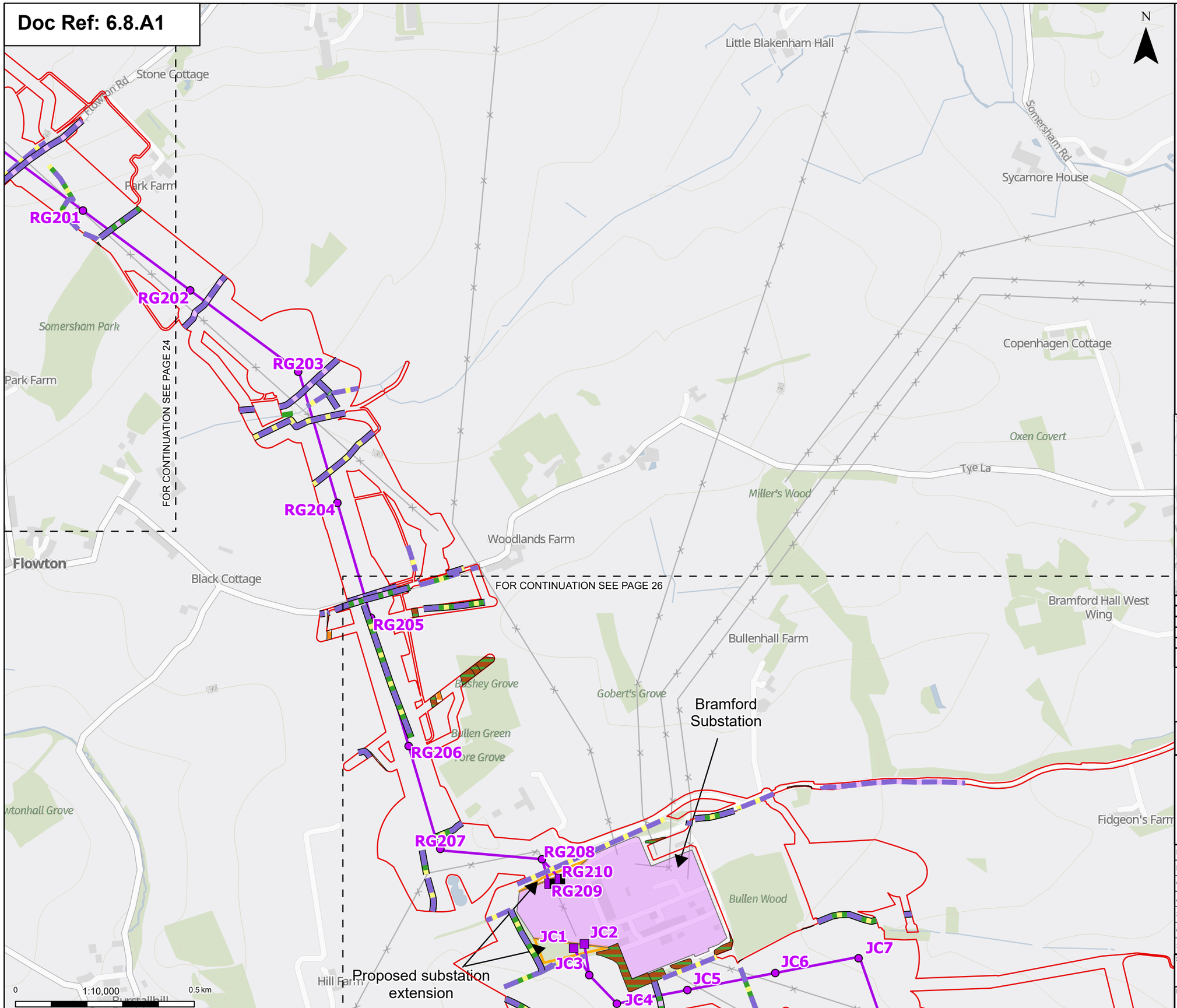
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Order limits

Sheet index cutline

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

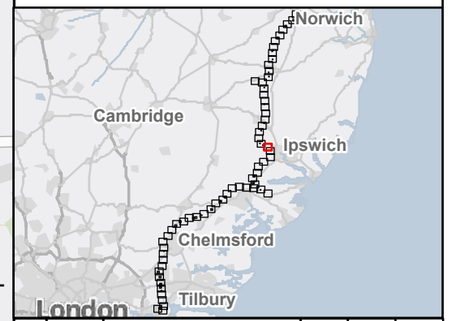
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees - associated with bank or ditch
- Arable field margins cultivated annually
- Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section B
Page 25 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00335

Revision: B

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JC1
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JC3
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JC11
JC12
JC13

Bramford Substation

Proposed substation extension

Bramford Hall West Wing
Bullenhall Farm
Bushey Grove
Gobert's Grove
Bullen Green
Fore Grove
Keepers Cottage
B1113
Fidgeon's Farm
Bullen Wood
Thornbush Hall
Runcton Cottage
Loraine Way
Round Wood
Elms Grove
Church Hill
Section B
Section C
Grove Farm
Wayside Cottage
Burstall Long Wood
Burstall Hall Barn
Perry Barn Cottage
Sproughton
Rose Cottage
Burstall Hall Cottages
Laurel Farm
Burstall
Abbey Oaks Farmhouse
Long Covert
Berrishill Covert
Alder Carr
Bungalow Farm
Ivywell Cottage
Berrishill

FOR CONTINUATION SEE PAGE 25
FOR CONTINUATION SEE PAGE 27

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0 1:10,000 0.5 km

Print Date: 10-30-25 14:44:03

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

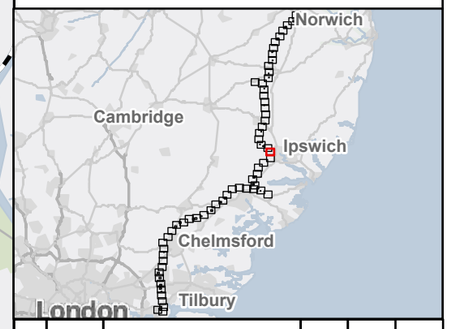
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Arable field margins cultivated annually
Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections B and C
Page 26 of 63

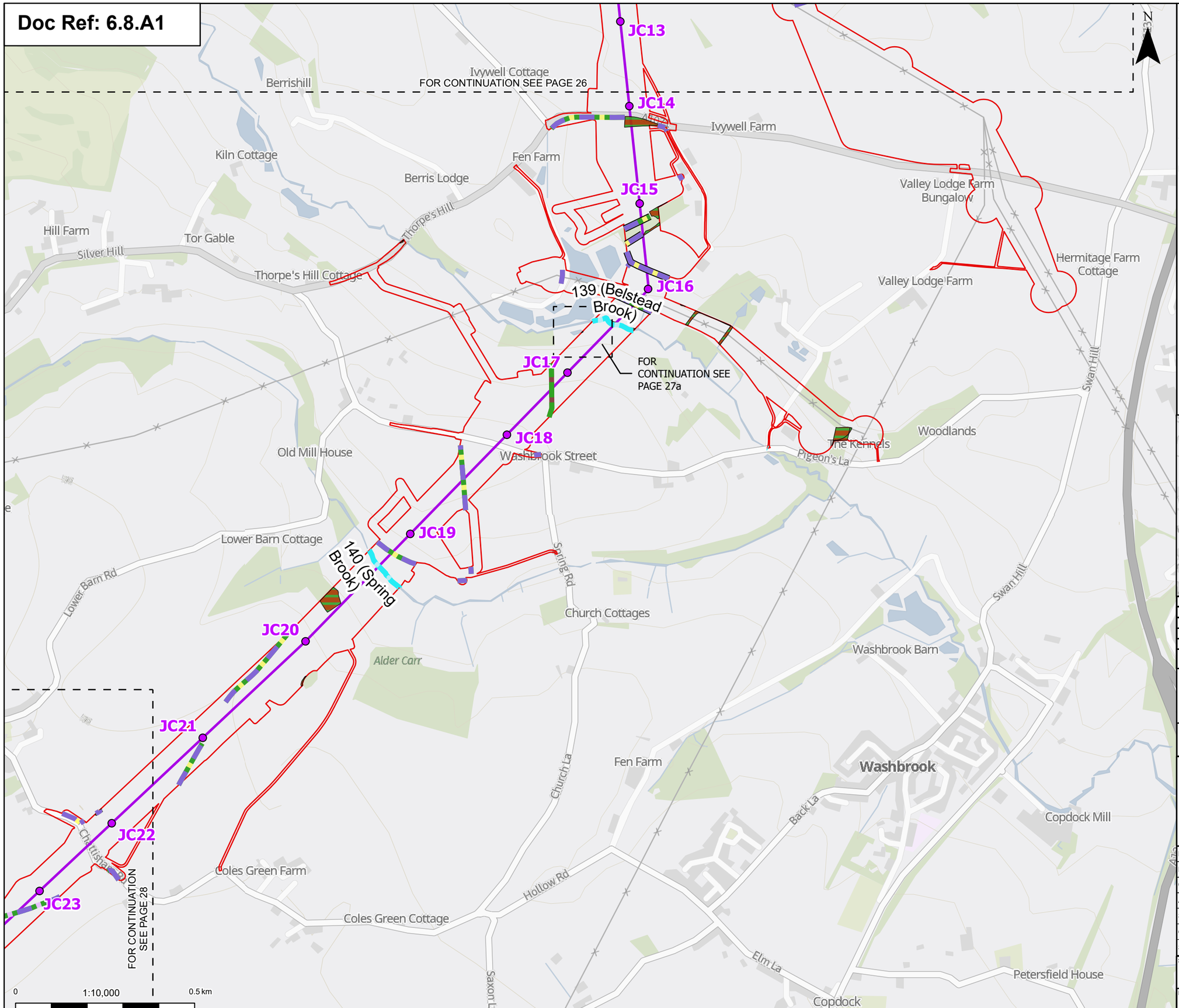
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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Doc Ref: 6.8.A1



Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

Ecologically valuable line of trees - associated with bank or ditch

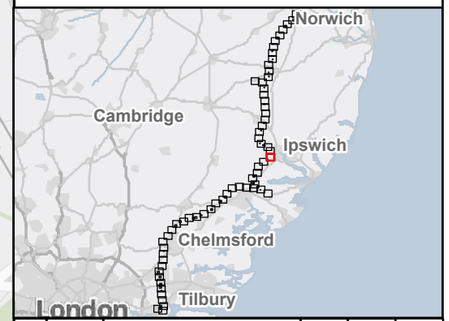
Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 27 of 63

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

Suitability Description: Accepted as Concept Stage

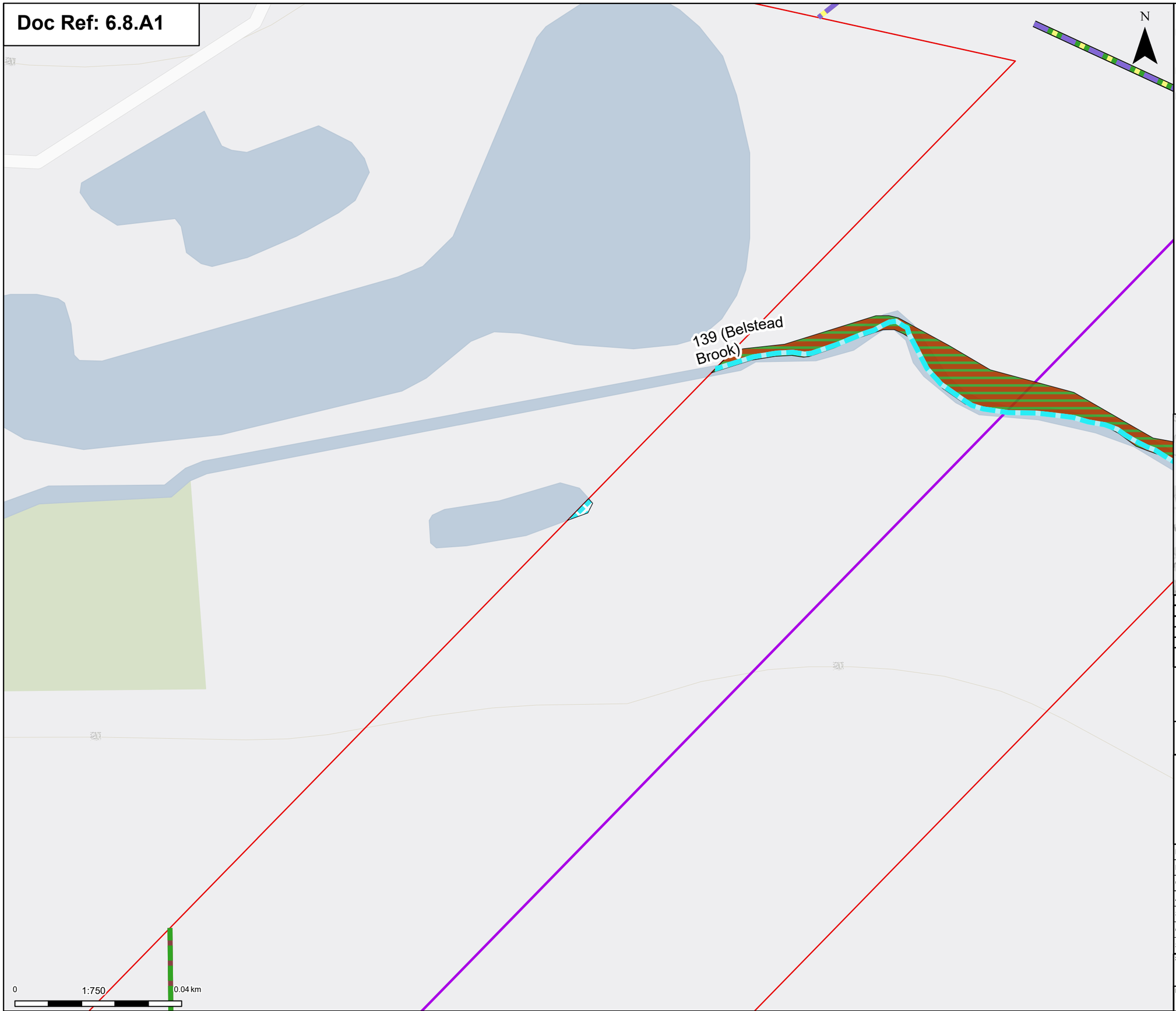
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Revision: B

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Doc Ref: 6.8.A1



Print Date: 10-30-25 15:32:22

Order limits

Proposed project design details

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow with trees - associated with bank or ditch

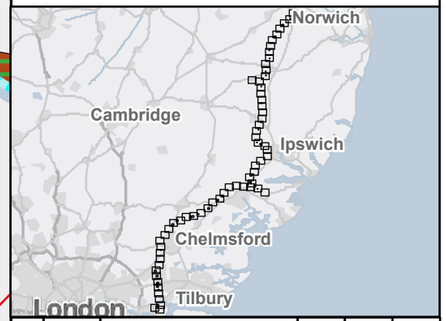
Ecologically valuable line of trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 27a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

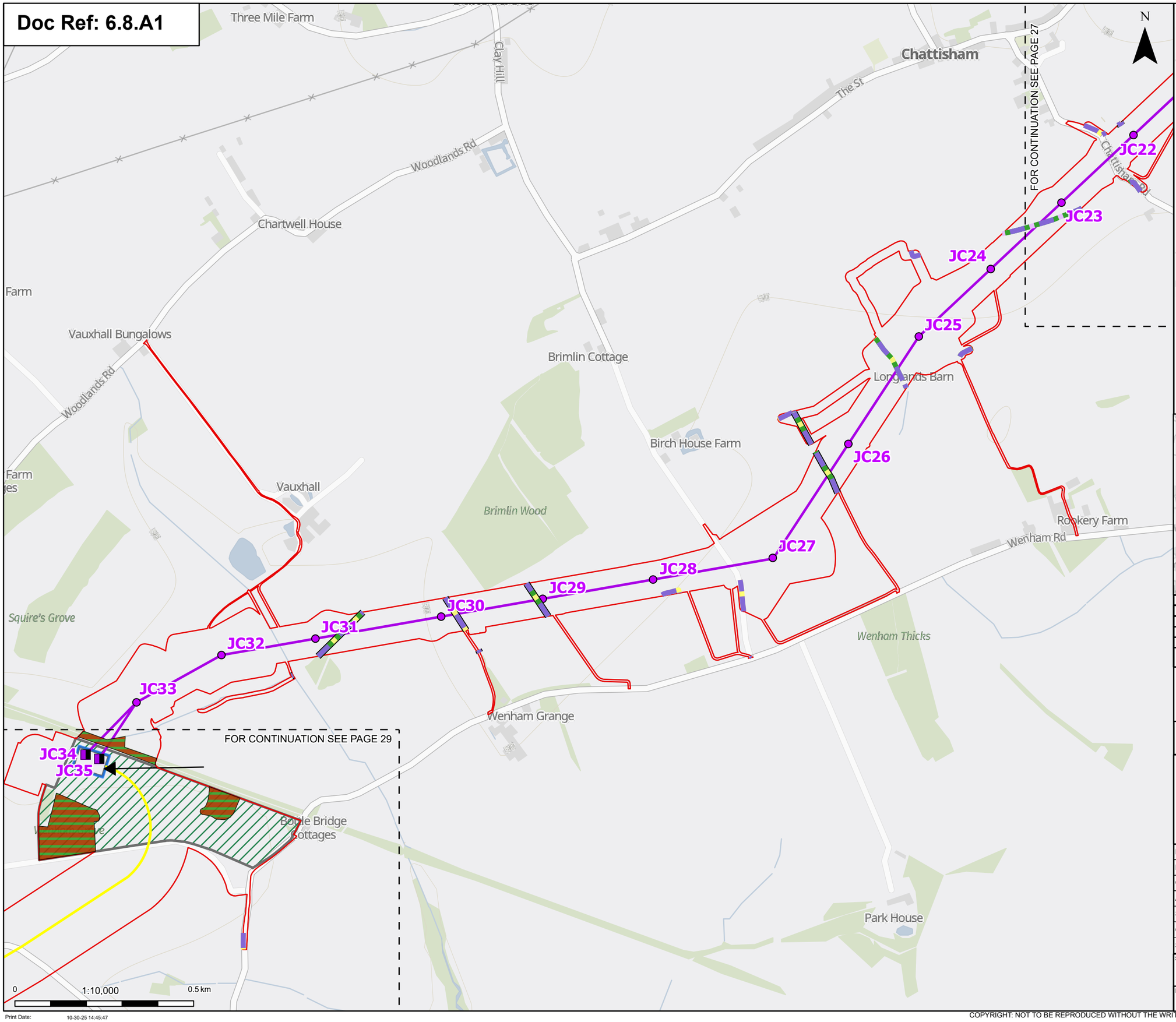
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



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- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area

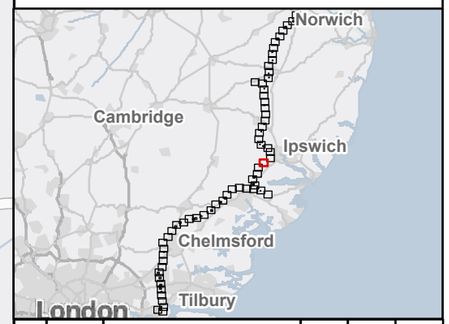
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(I)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 28 of 63

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

Suitability Description:
Accepted as Concept Stage

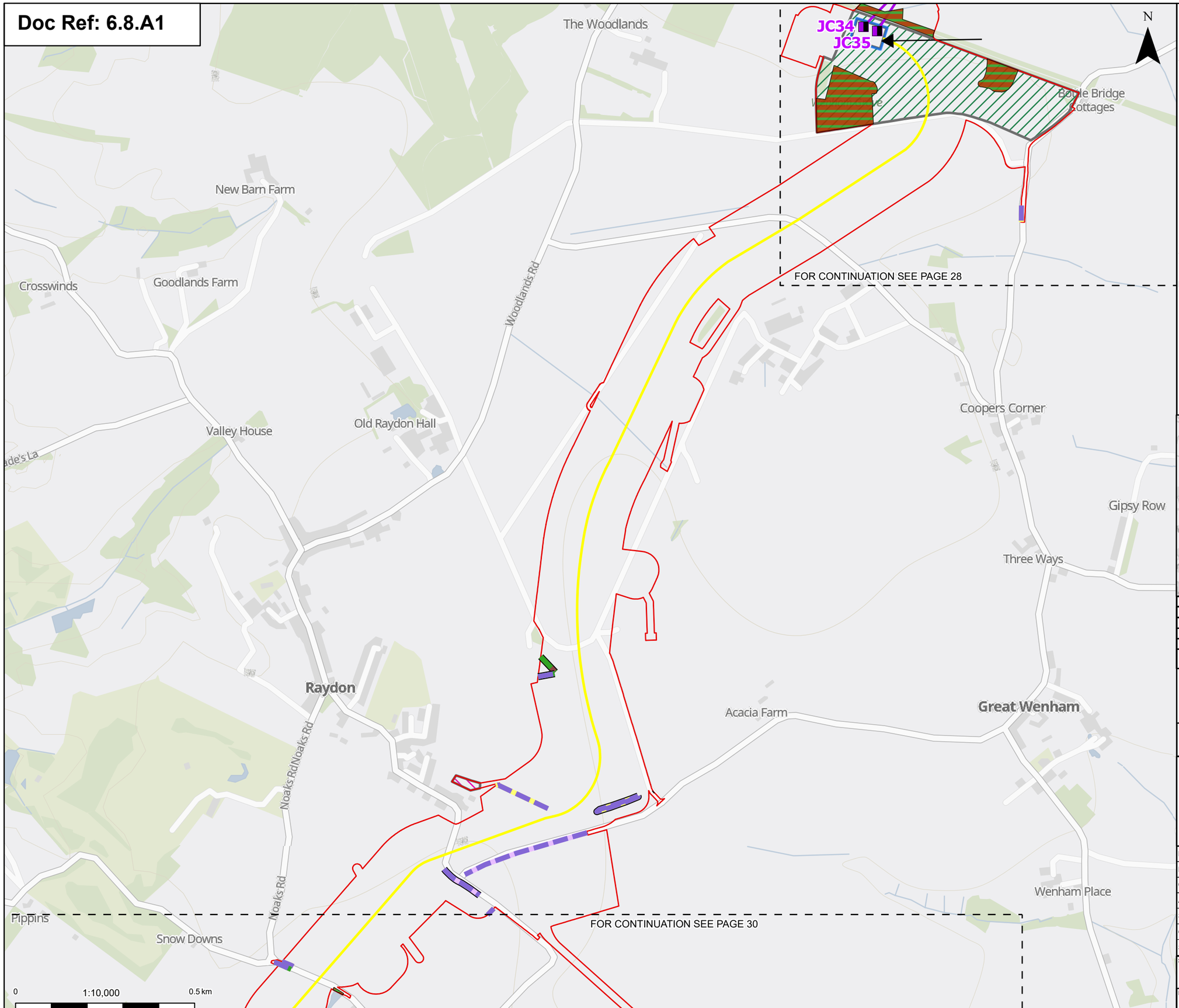
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Order limits

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- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation

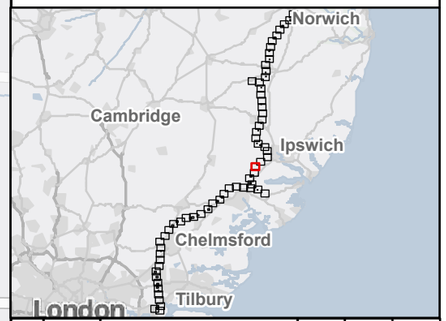
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Ecologically valuable line of trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees - associated with bank or ditch
- Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 29 of 63

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

Suitability Description: Accepted as Concept Stage

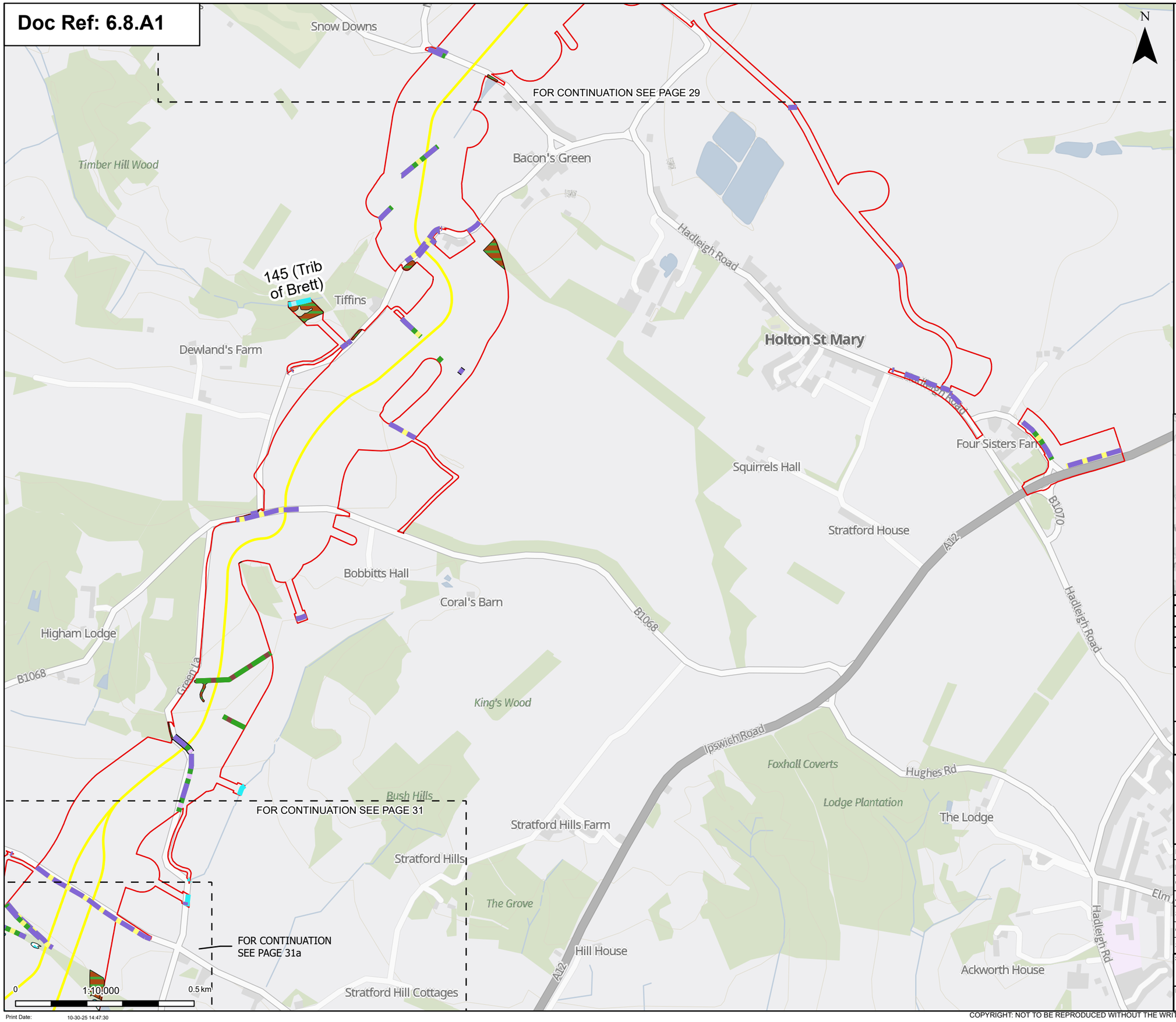
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Revision: B

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Order limits

Sheet index cutline

Proposed project design details

Proposed underground cable alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Ecologically valuable line of trees

Species-rich native hedgerow with trees

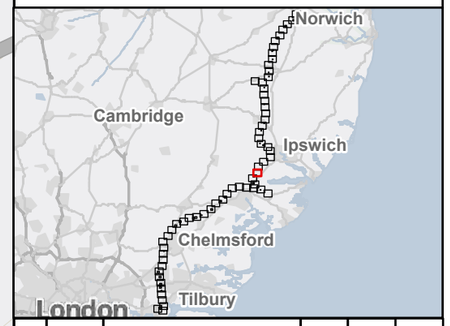
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 30 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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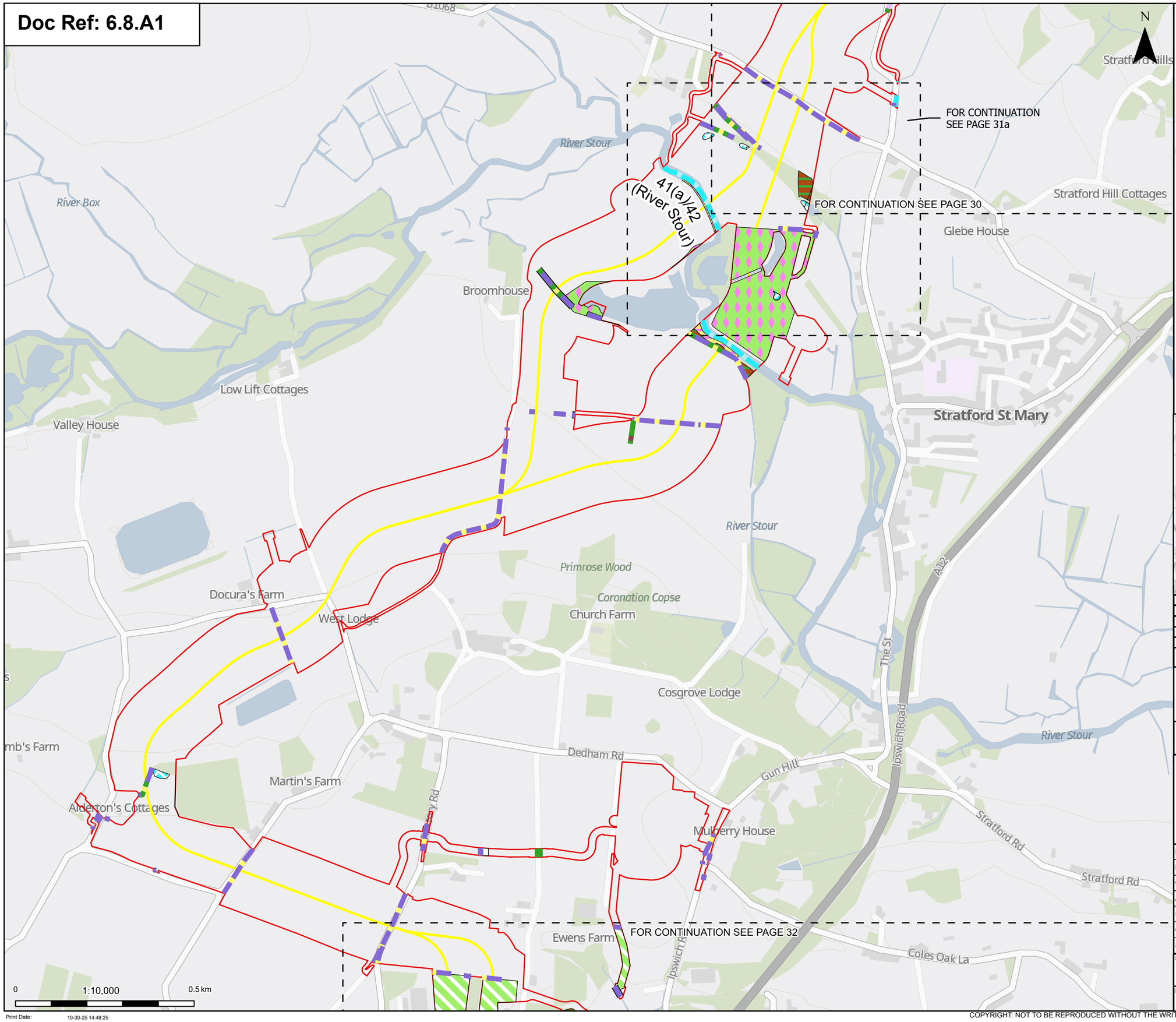
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Doc Ref: 6.8.A1



Order limits

Sheet index cutline

Proposed project design details

Proposed underground cable alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

Species-rich native hedgerow with trees

Arable field margins game bird mix

Floodplain wetland mosaic and coastal floodplain grazing marsh

Lowland dry acid grassland

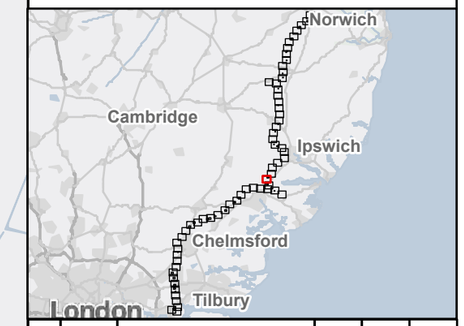
Lowland mixed deciduous woodland

Ponds (priority habitat)

Reedbeds

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 31 of 63

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

Suitability Description:

Accepted as Concept Stage

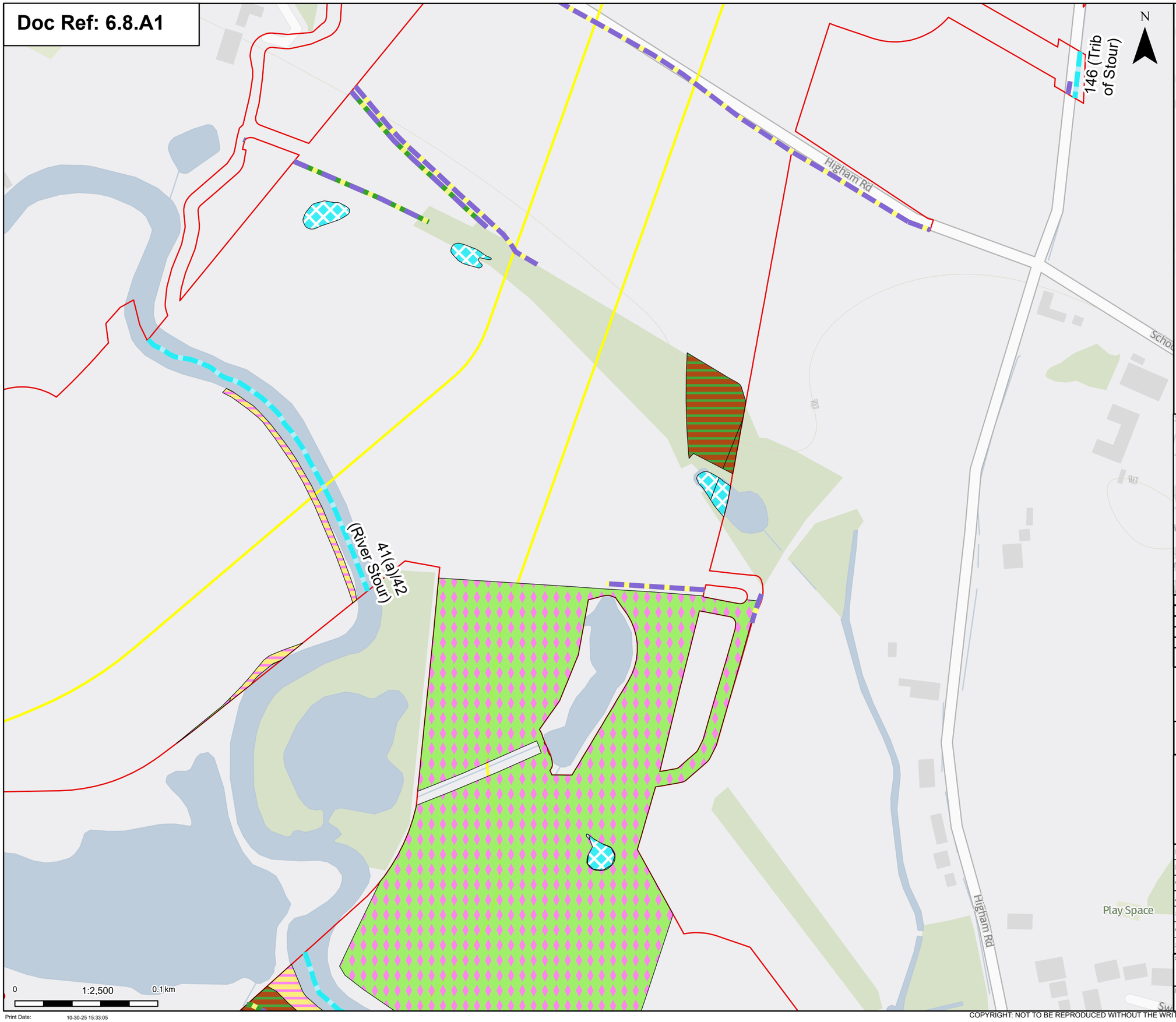
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Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed underground cable alignment

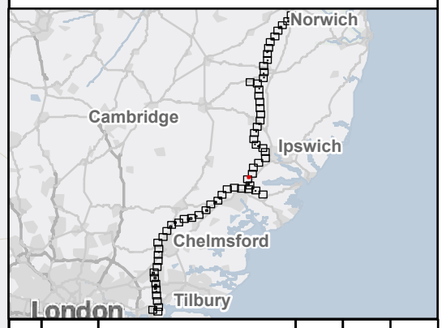
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow with trees
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Lowland mixed deciduous woodland
- Ponds (priority habitat)
- Reedbeds

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 31a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

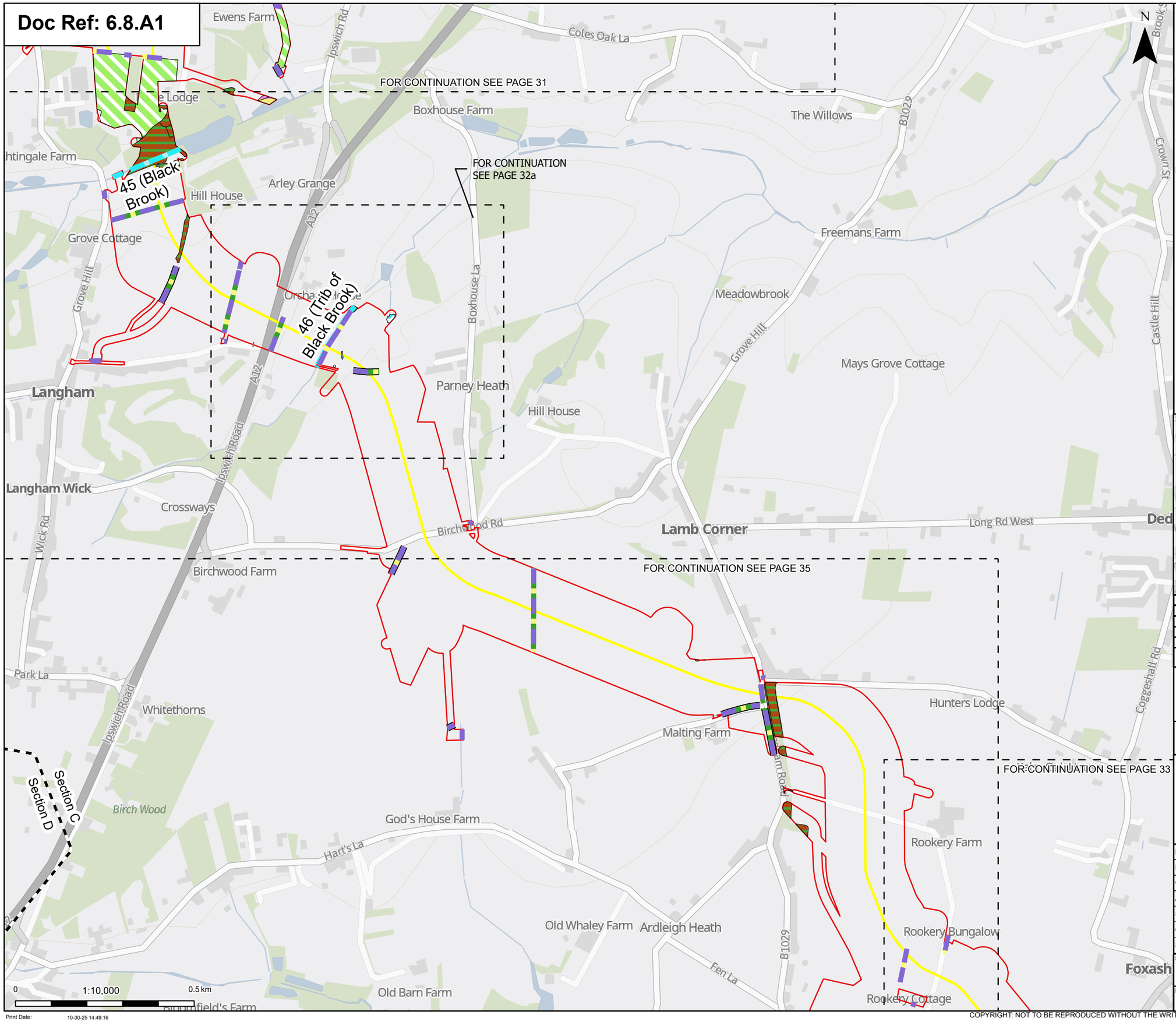
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Revision: B

Print Date: 10-30-25 15:33:05

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Doc Ref: 6.8.A1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed underground cable alignment

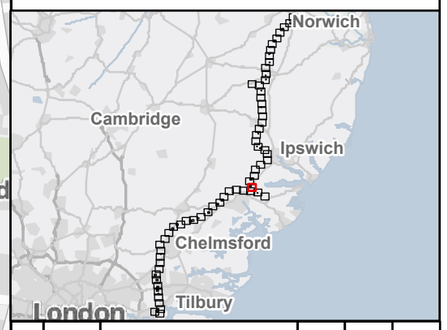
Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Lowland dry acid grassland
Lowland mixed deciduous woodland
Ponds (priority habitat)
Reedbeds

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections C and D
Page 32 of 63

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

Suitability Description: Accepted as Concept Stage

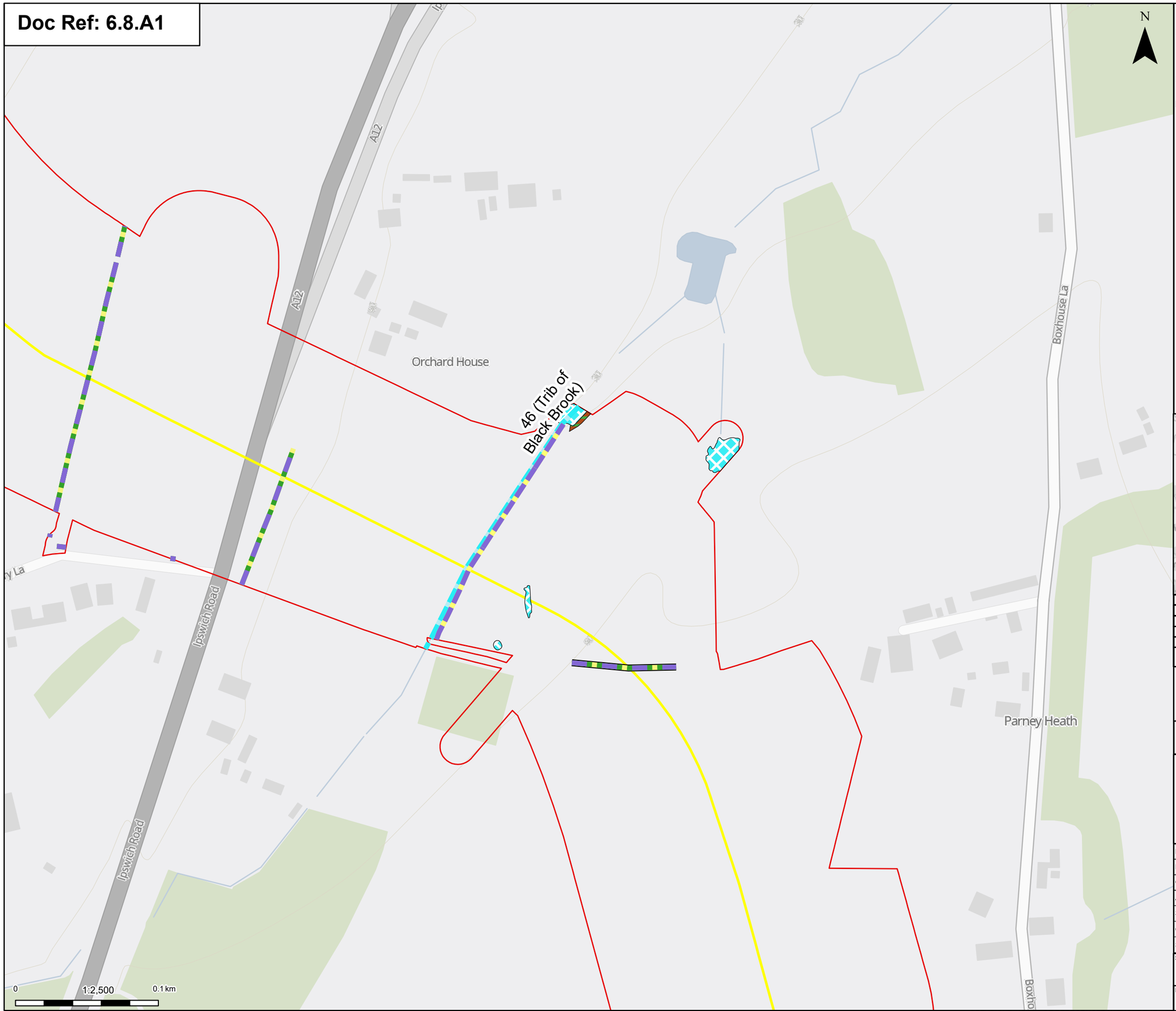
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Revision: B

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N

Order limits

Proposed project design details

Proposed underground cable alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 32a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

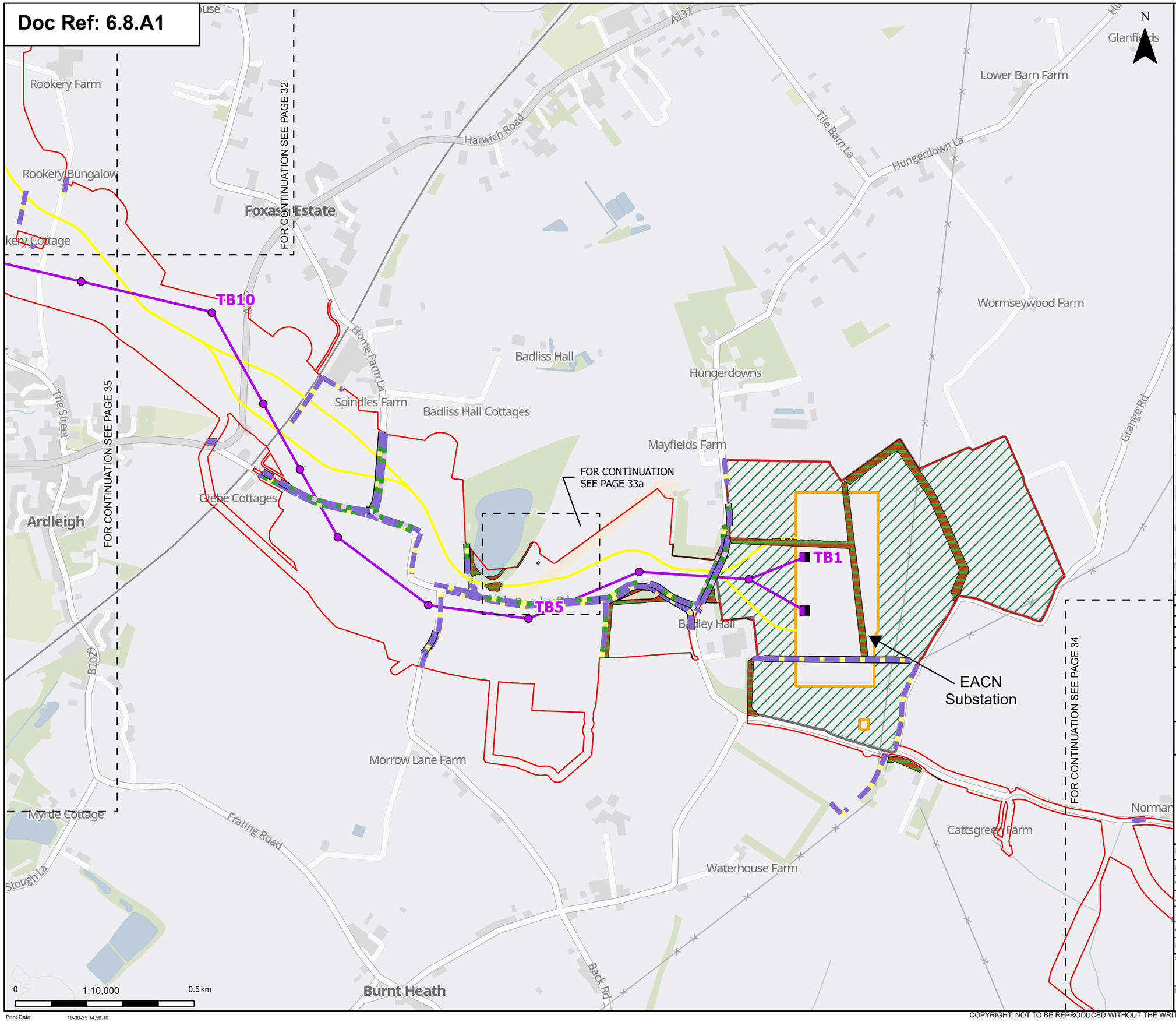
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Revision: B

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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 DNO Substation
- Proposed East Anglia Connection Node (EACN) Substation
- Environmental area

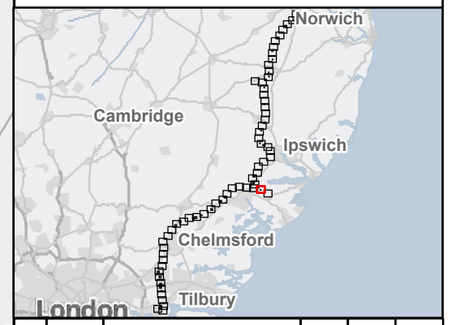
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 33 of 63

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

Suitability Description:
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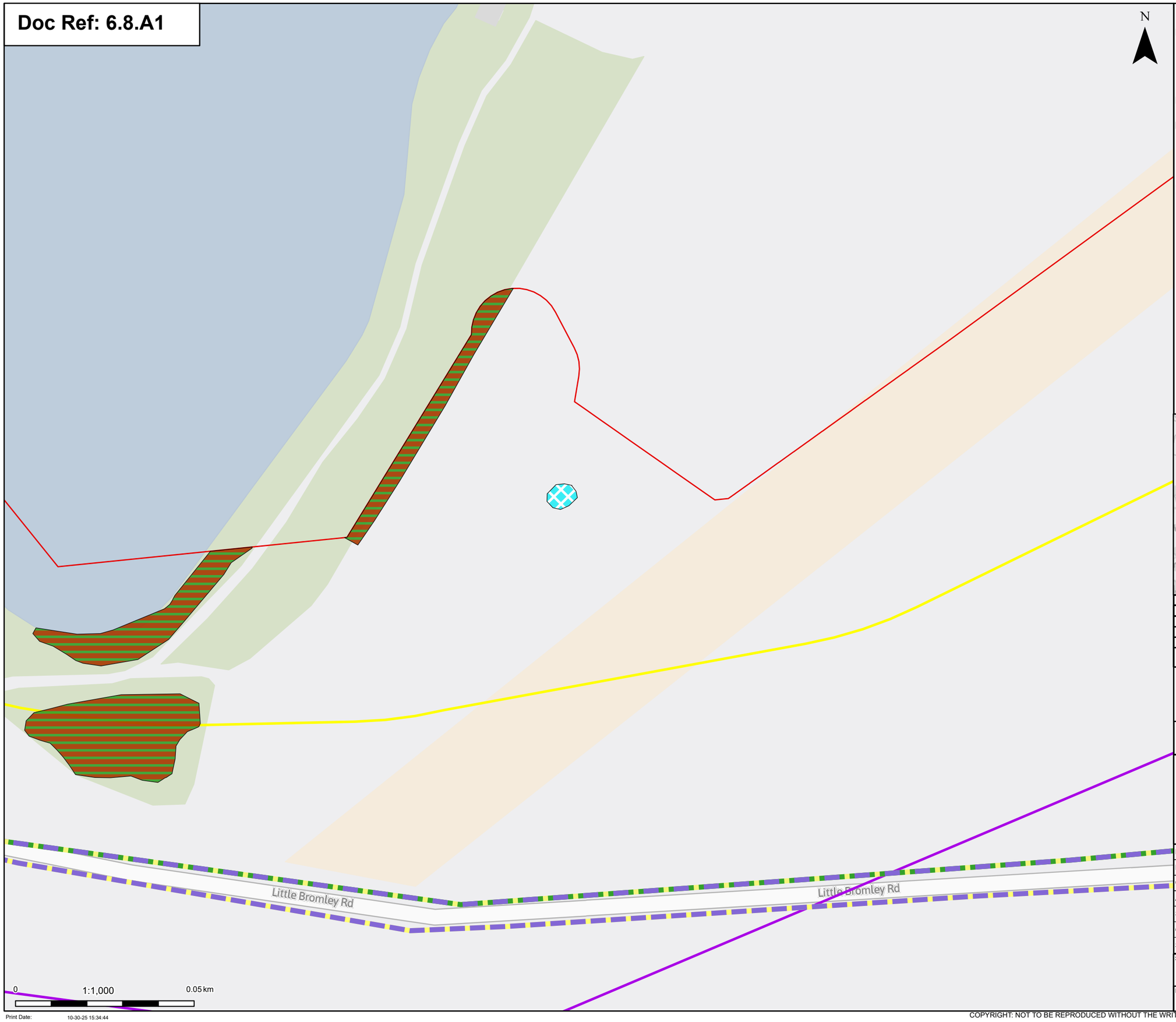
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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed overhead line alignment

Proposed underground cable alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

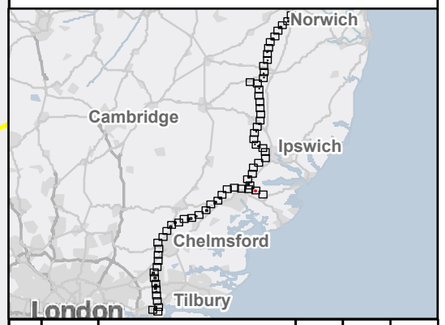
Native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(I)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 33a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:1,000	Datum:	AOD
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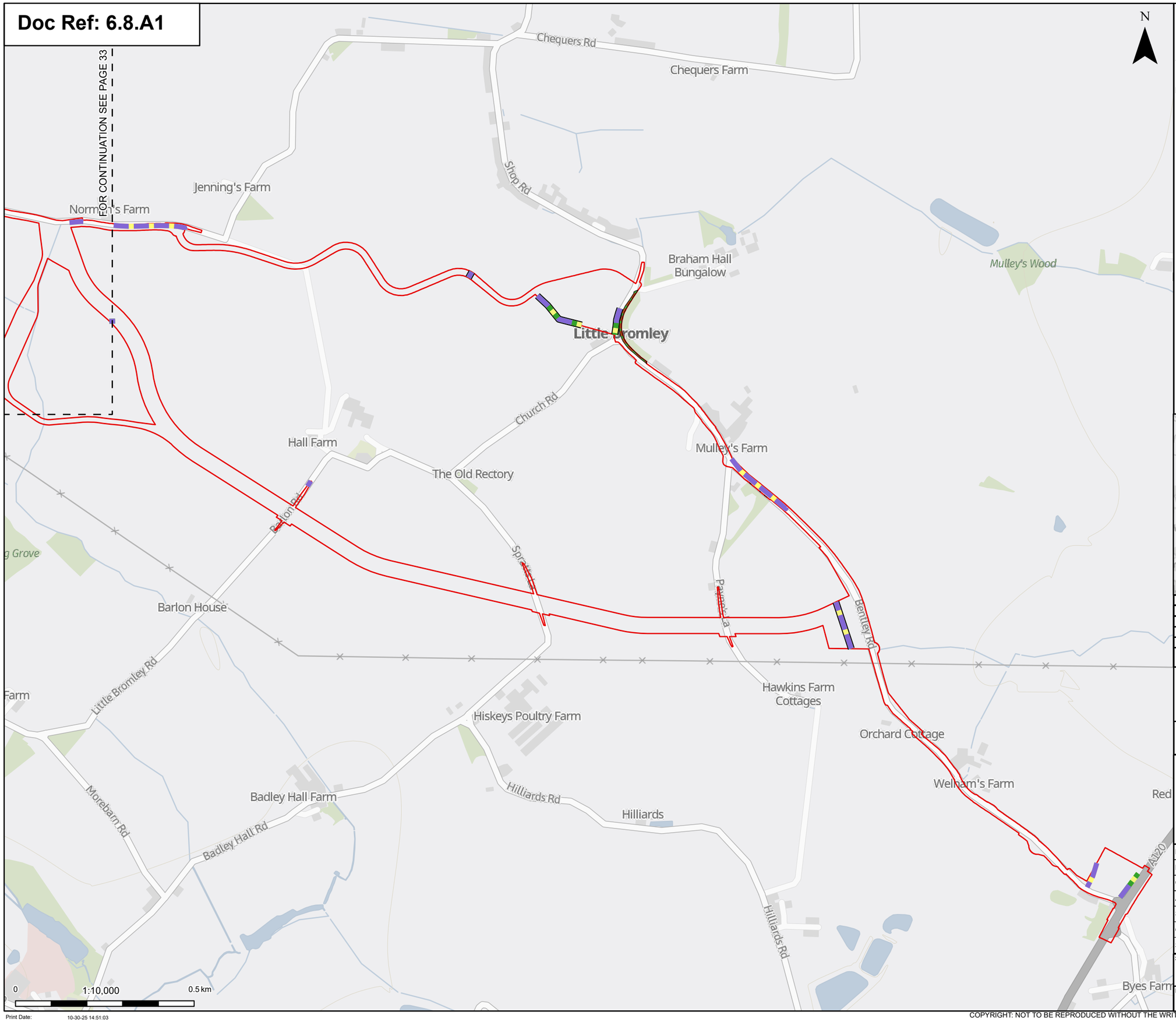
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Doc Ref: 6.8.A1



Print Date: 10-30-25 14:51:03

Order limits

Sheet index cutline

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section C
Page 34 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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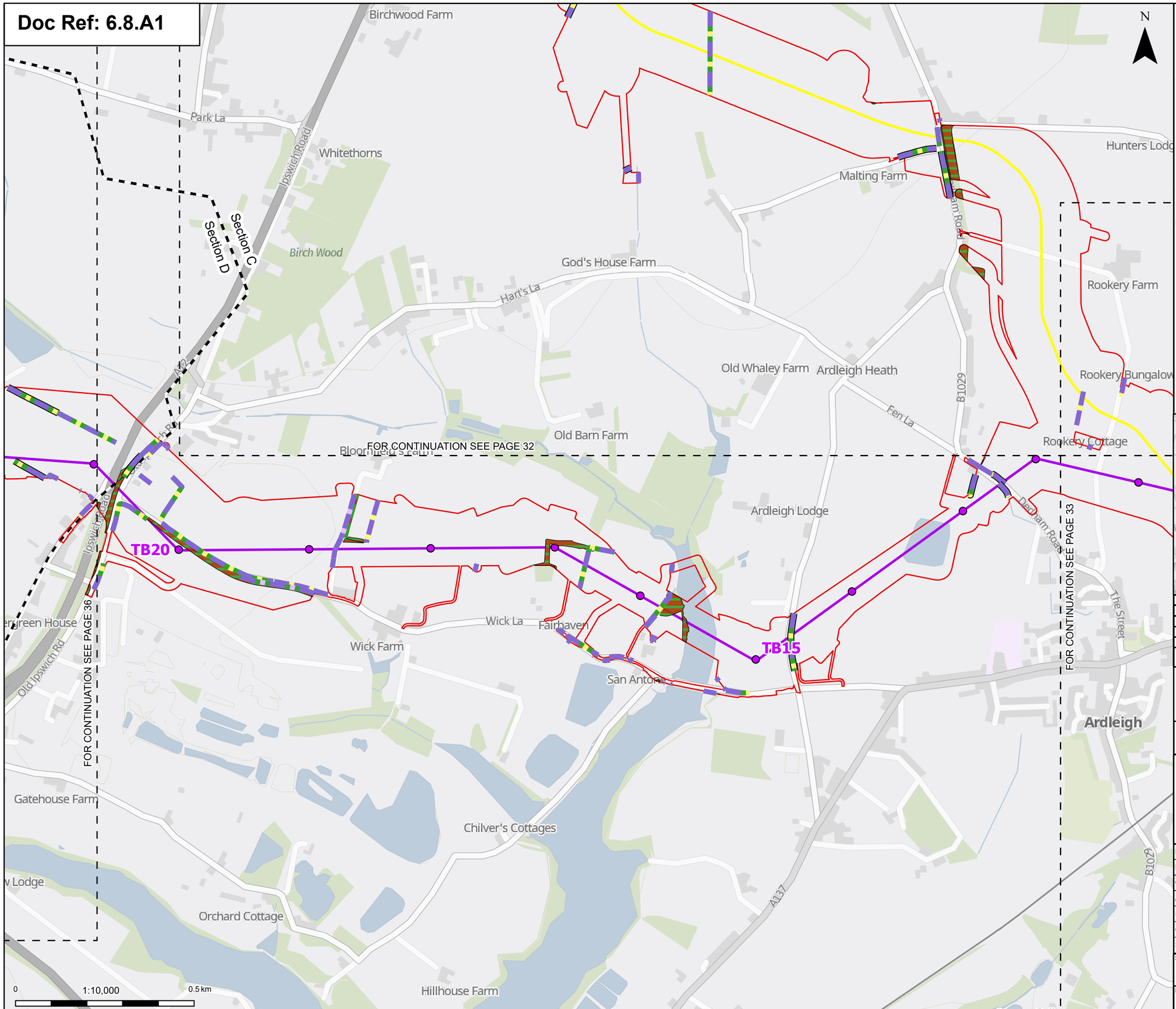
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Doc Ref: 6.8.A1



Order limits
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Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment

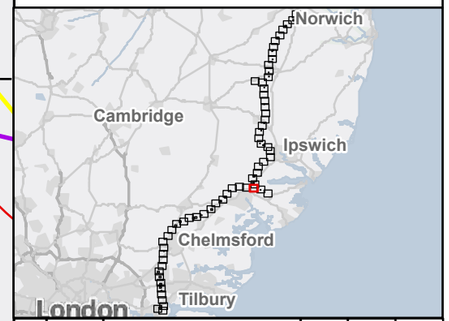
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Species-rich native hedgerow
Species-rich native hedgerow with trees
Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections C and D
Page 35 of 63

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

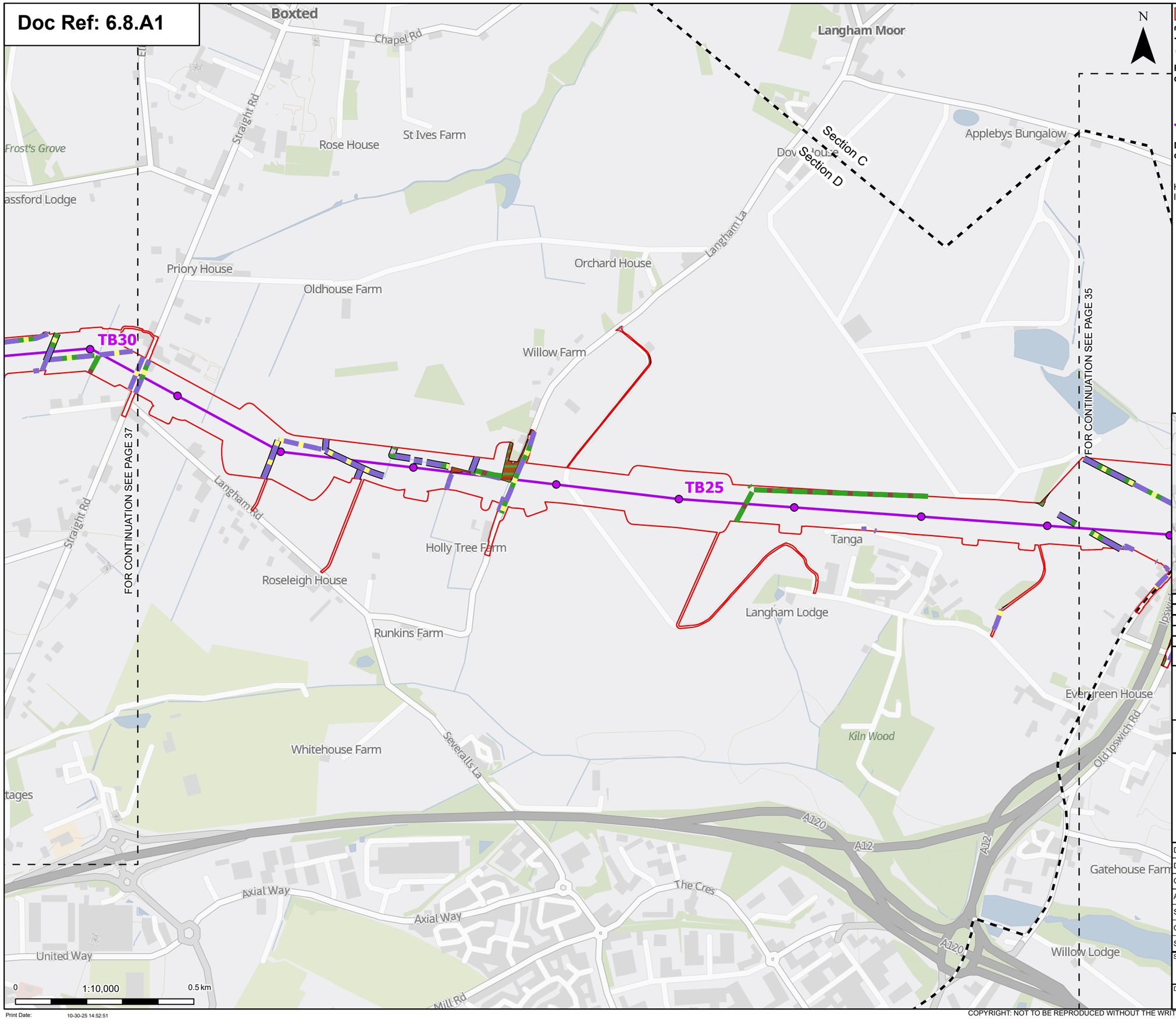
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
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Print Date: 10-30-25 14:52:00

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Order limits
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Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

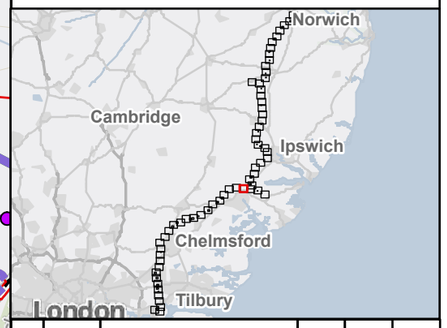
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Species-rich native hedgerow with trees - associated with bank or ditch
Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections C and D
Page 36 of 63

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

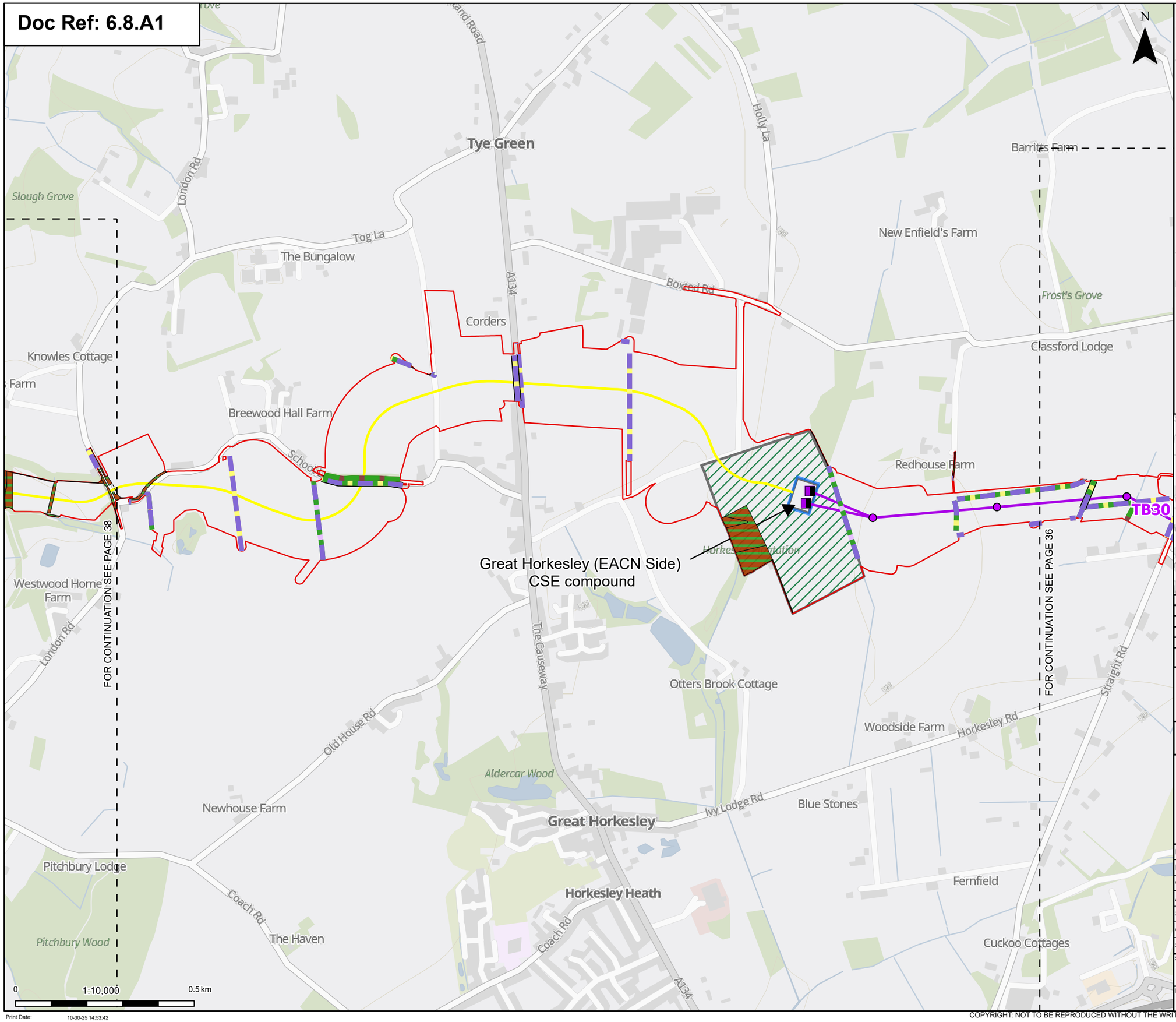
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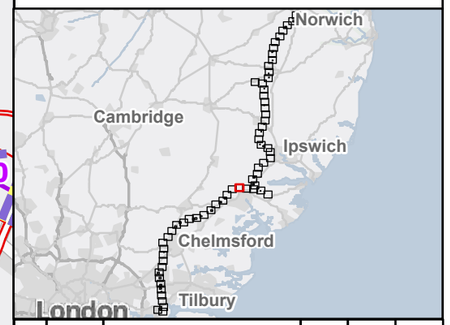
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Revision: B

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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

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees
- Species-rich native hedgerow with trees
- Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section D
Page 37 of 63

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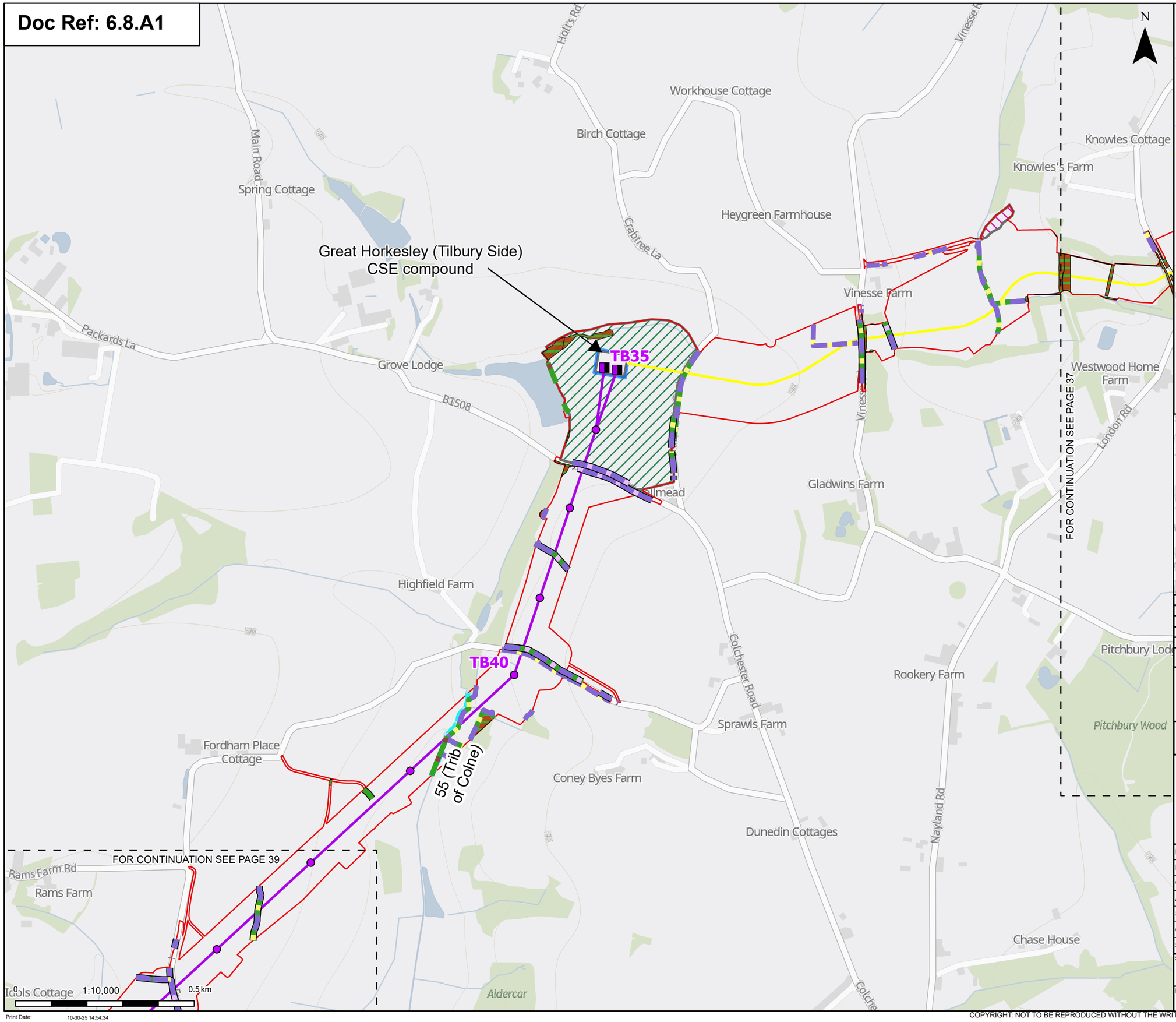
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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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

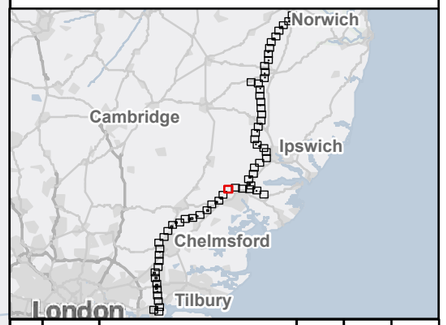
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees - associated with bank or ditch
- Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section D
Page 38 of 63

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

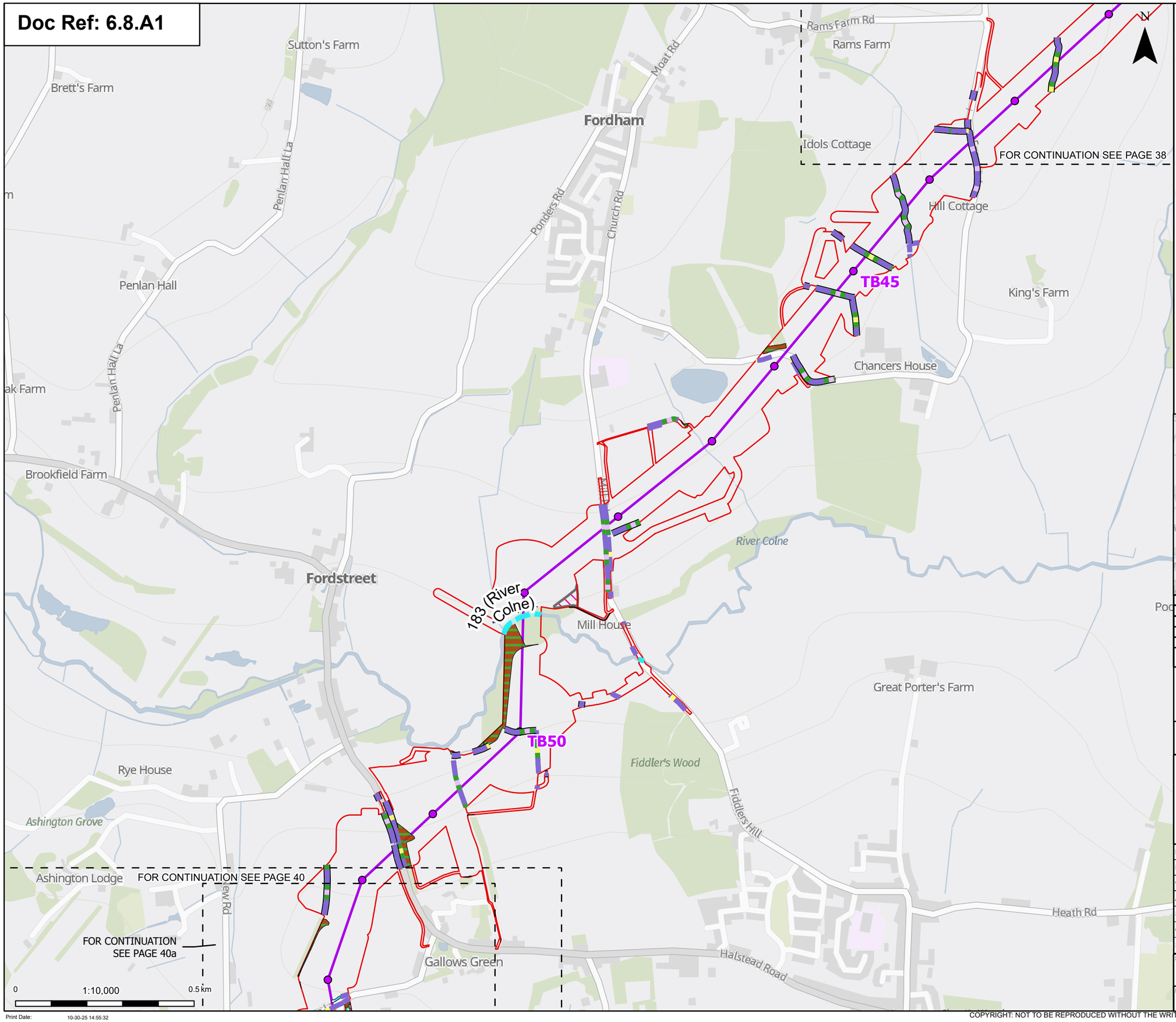
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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Order limits

Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation

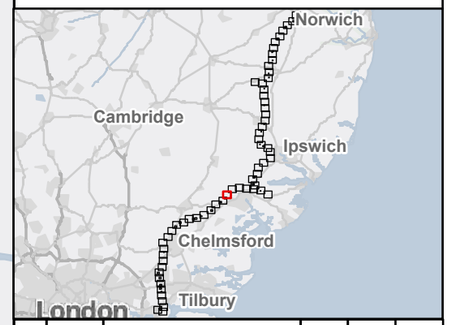
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Arable field margins game bird mix
- Lowland mixed deciduous woodland
- Ponds (priority habitat)
- Wet woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section D
Page 39 of 63

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

Suitability Description: Accepted as Concept Stage

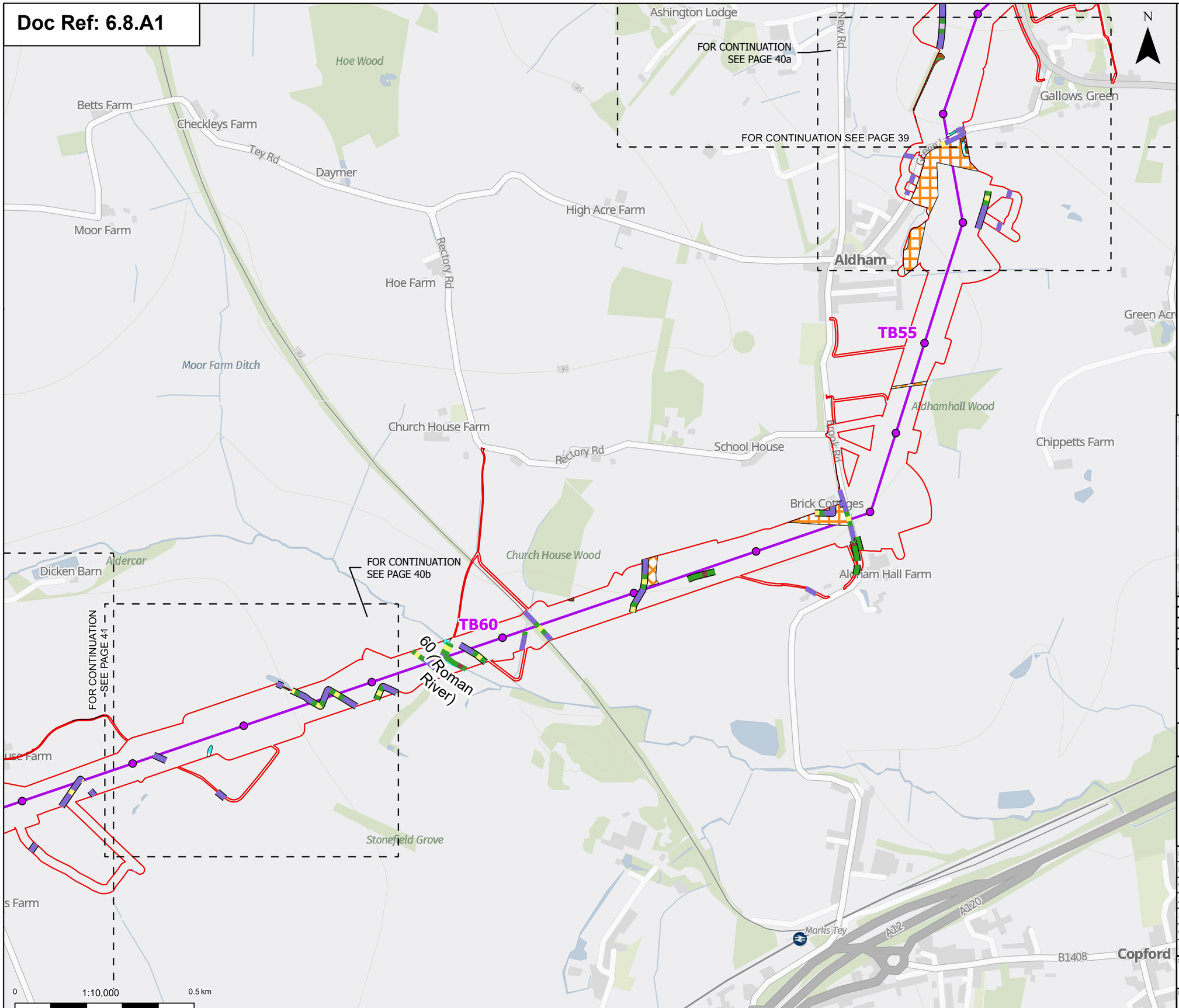
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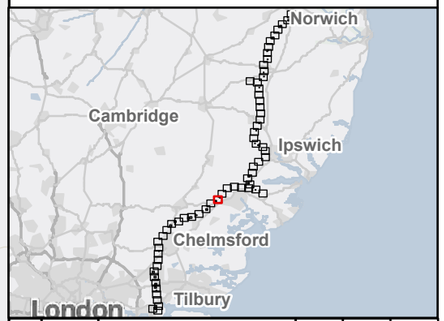
Revision: B

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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

Ecologically valuable line of trees - associated with bank or ditch

Species-rich native hedgerow with trees - associated with bank or ditch

Arable field margins game bird mix

Arable field margins pollen and nectar

Arable field margins tussocky

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section D
Page 40 of 63

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

Suitability Description: Accepted as Concept Stage

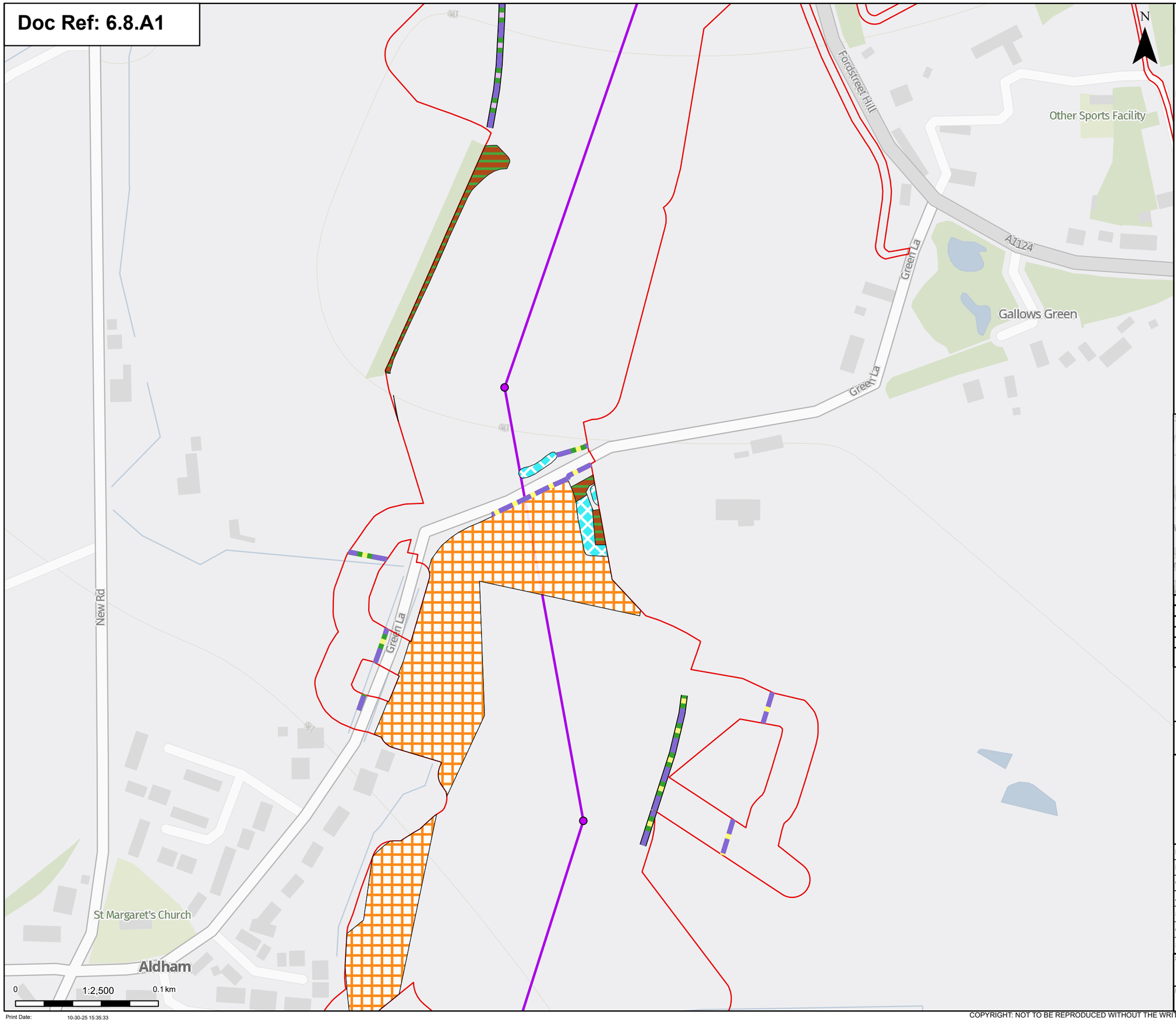
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow with trees - associated with bank or ditch

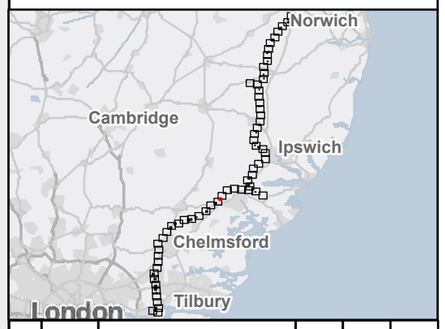
Arable field margins game bird mix

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)

Section D
Page 40a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

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Print Date: 10-30-25 15:36:23

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow - associated with bank or ditch

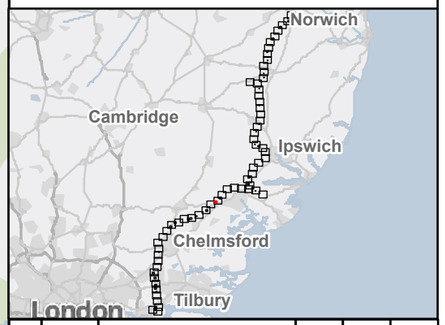
Native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section D
Page 40b of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

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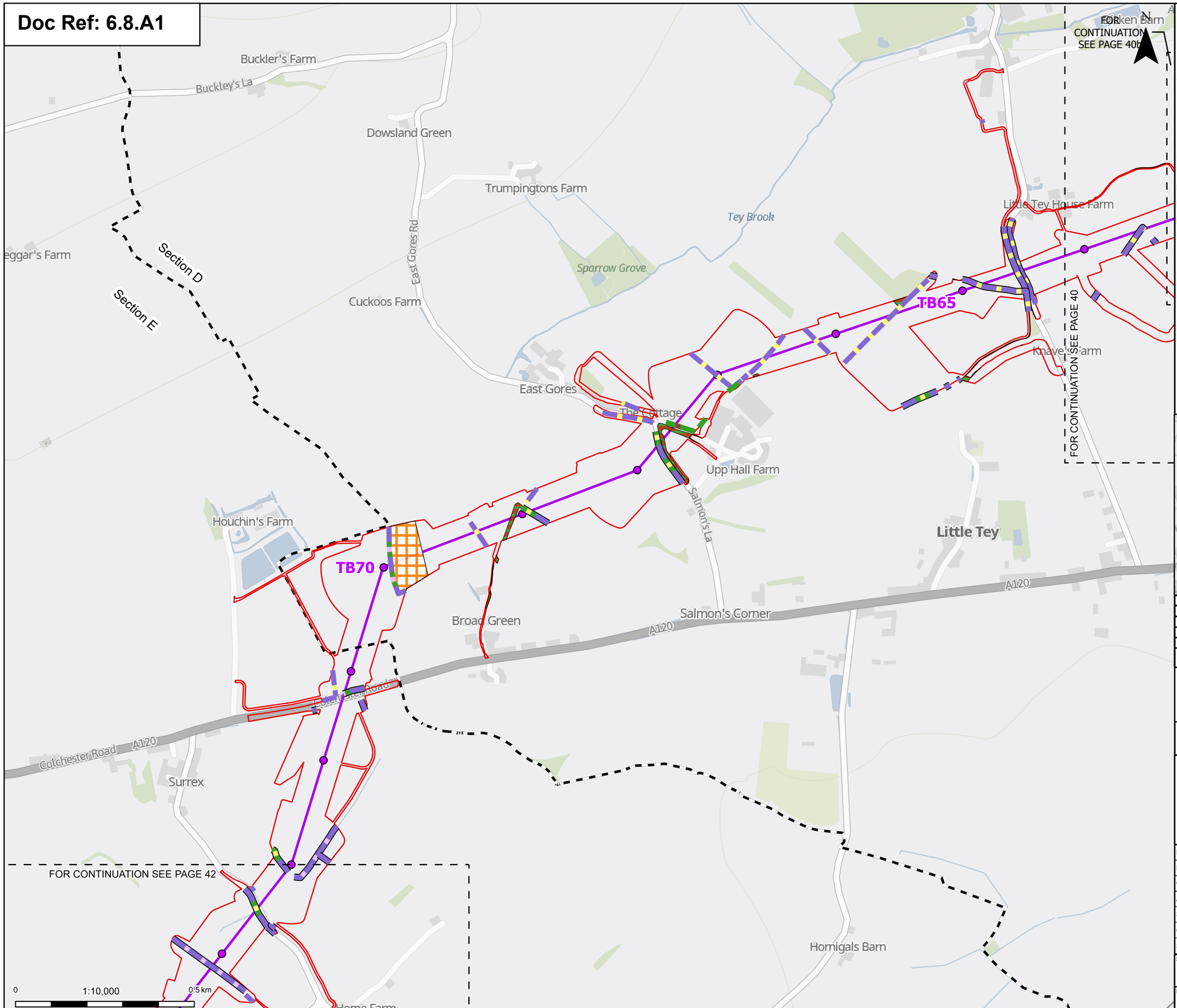
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Order limits
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Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

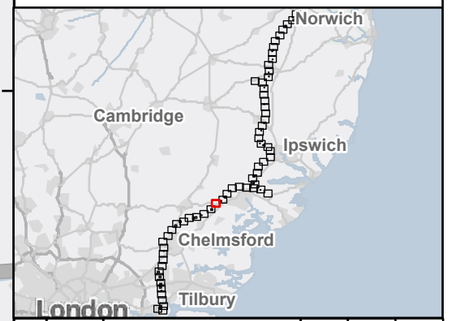
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Arable field margins game bird mix
Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
nationalgrid Norwich to Tilbury

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

Title:
Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections D and E
Page 41 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

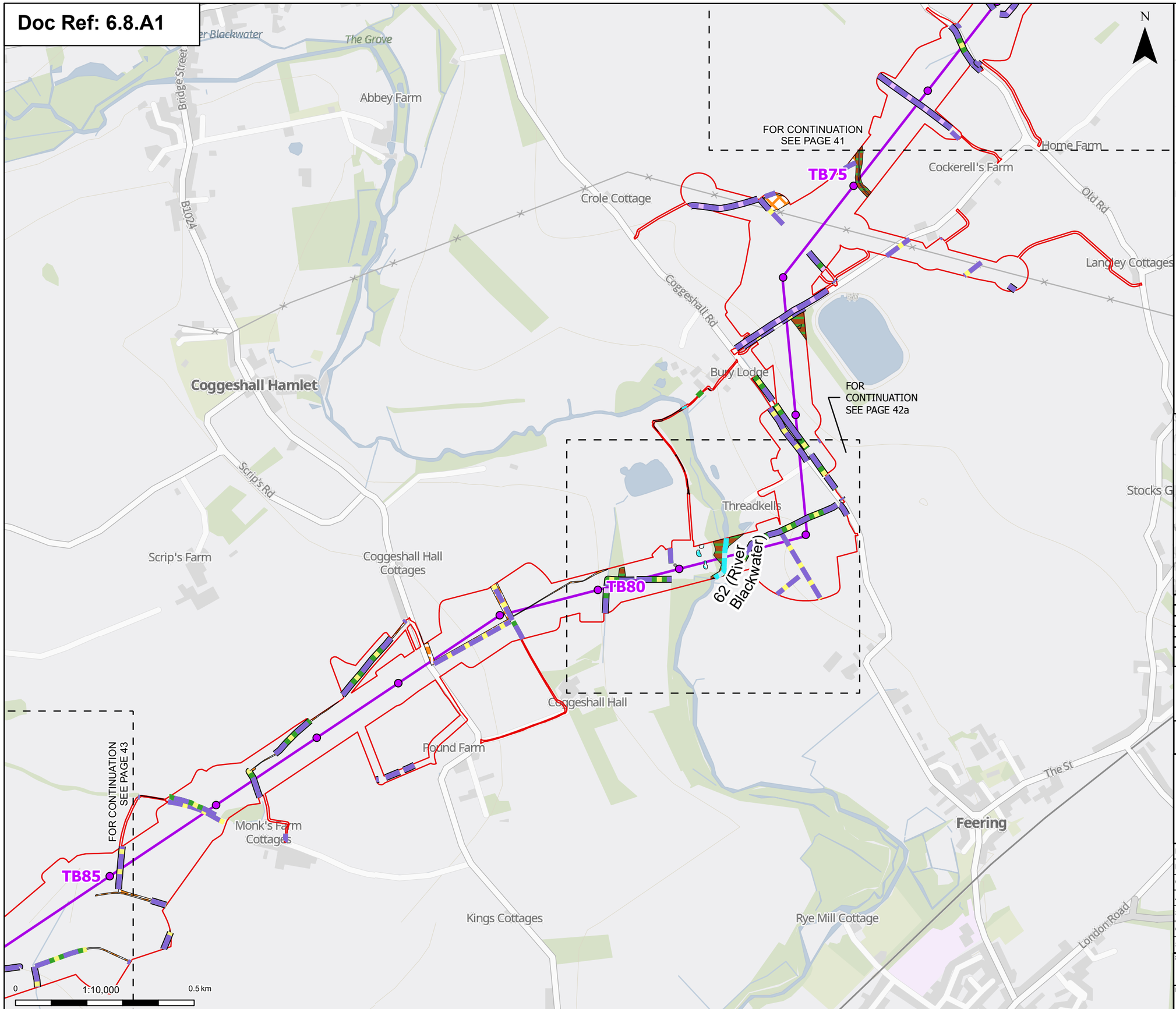
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

Print Date: 10-30-25 14:57:21

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Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation

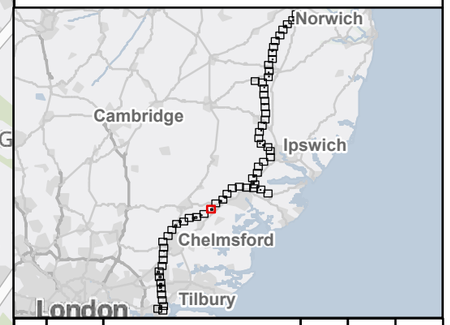
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Arable field margins cultivated annually
- Arable field margins pollen and nectar
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
Page 42 of 63

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

Suitability Description: Accepted as Concept Stage

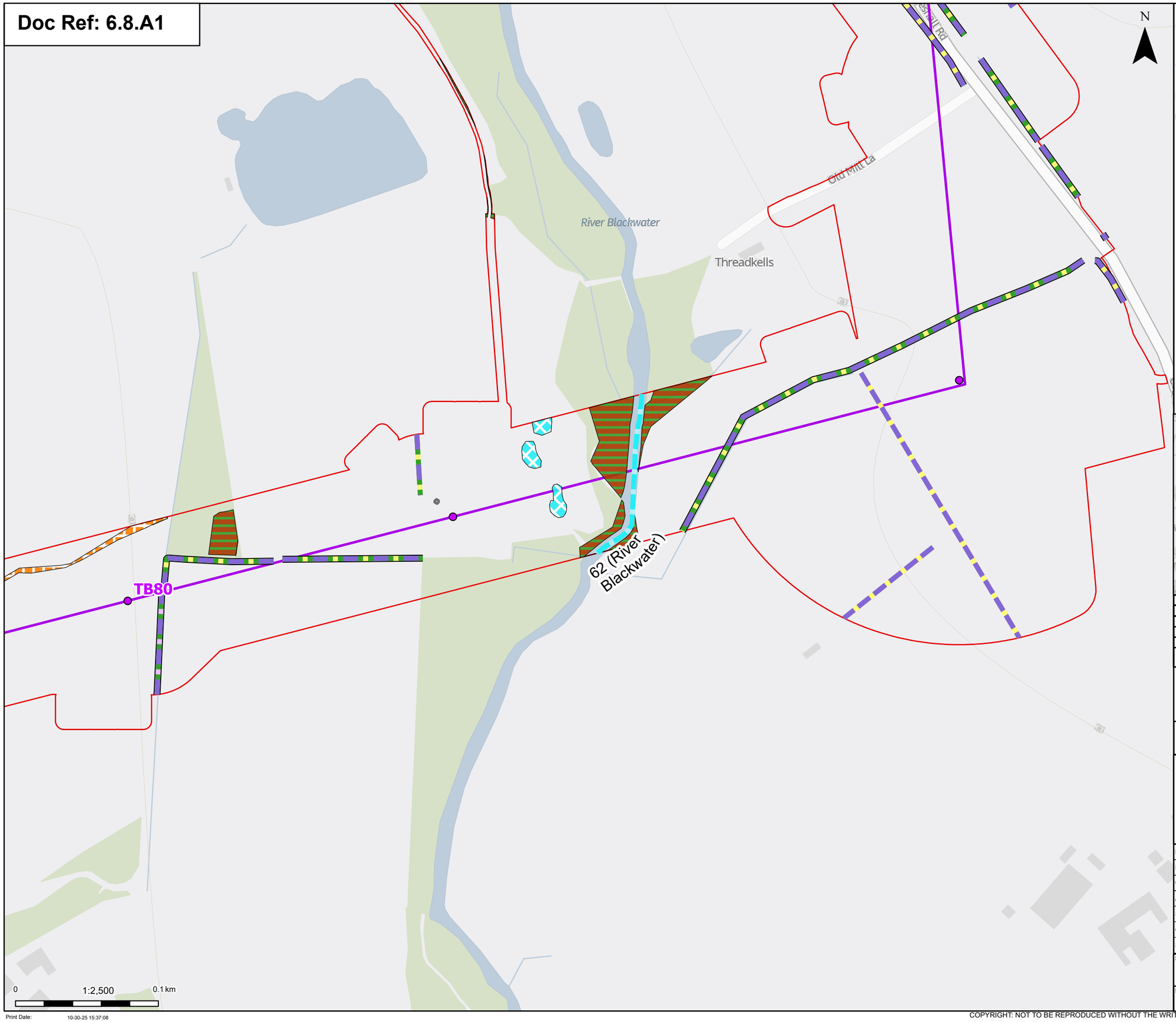
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

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- Proposed overhead line alignment
- Environmental mitigation

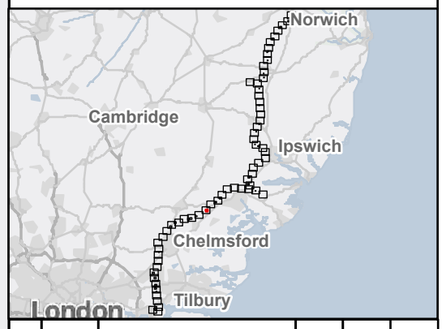
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees - associated with bank or ditch
- Arable field margins cultivated annually
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
Page 42a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

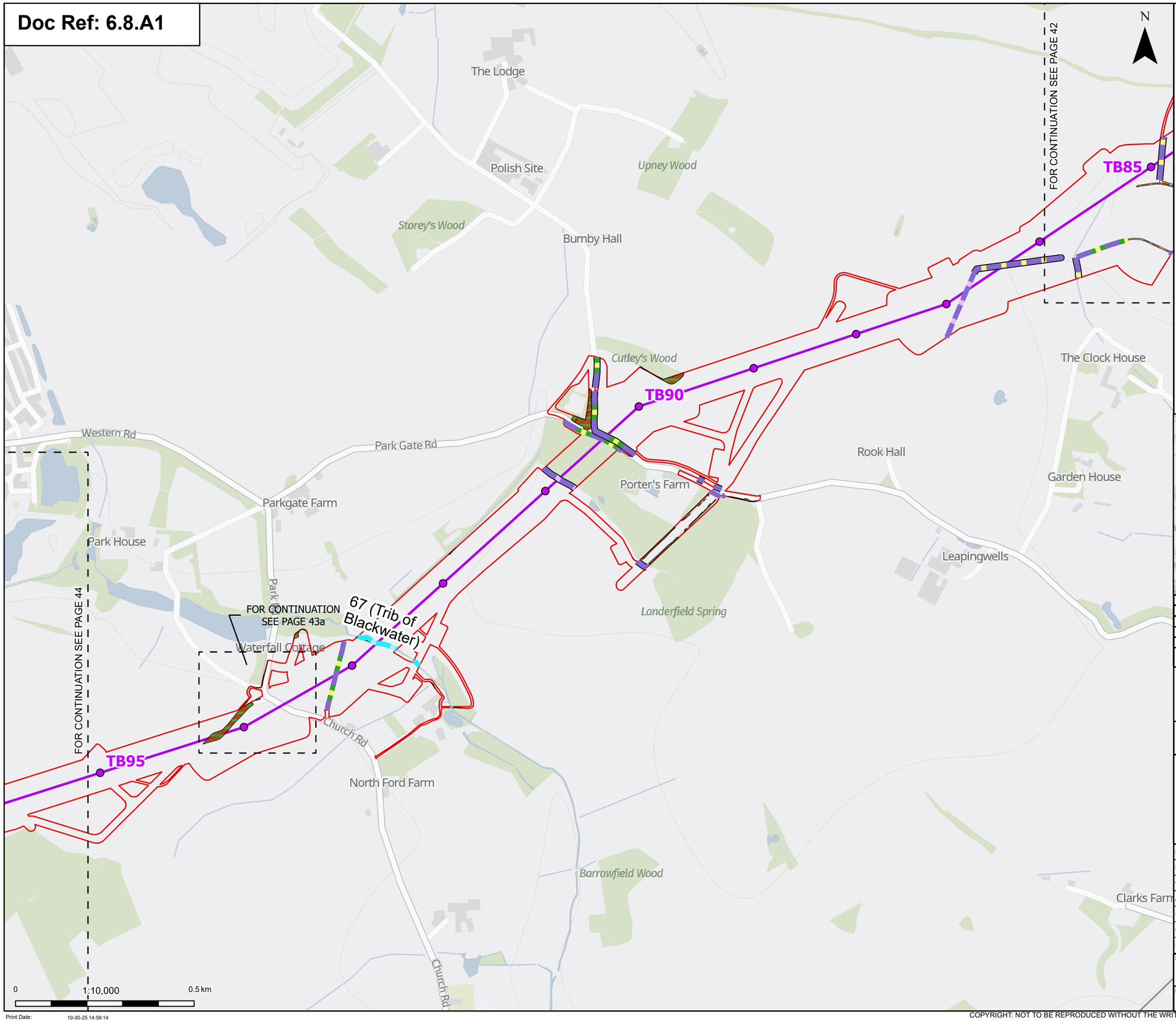
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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow

Species-rich native hedgerow - associated with bank or ditch

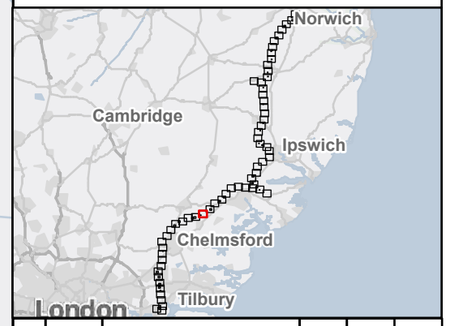
Arable field margins cultivated annually

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
Page 43 of 63

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

Suitability Description:
Accepted as Concept Stage

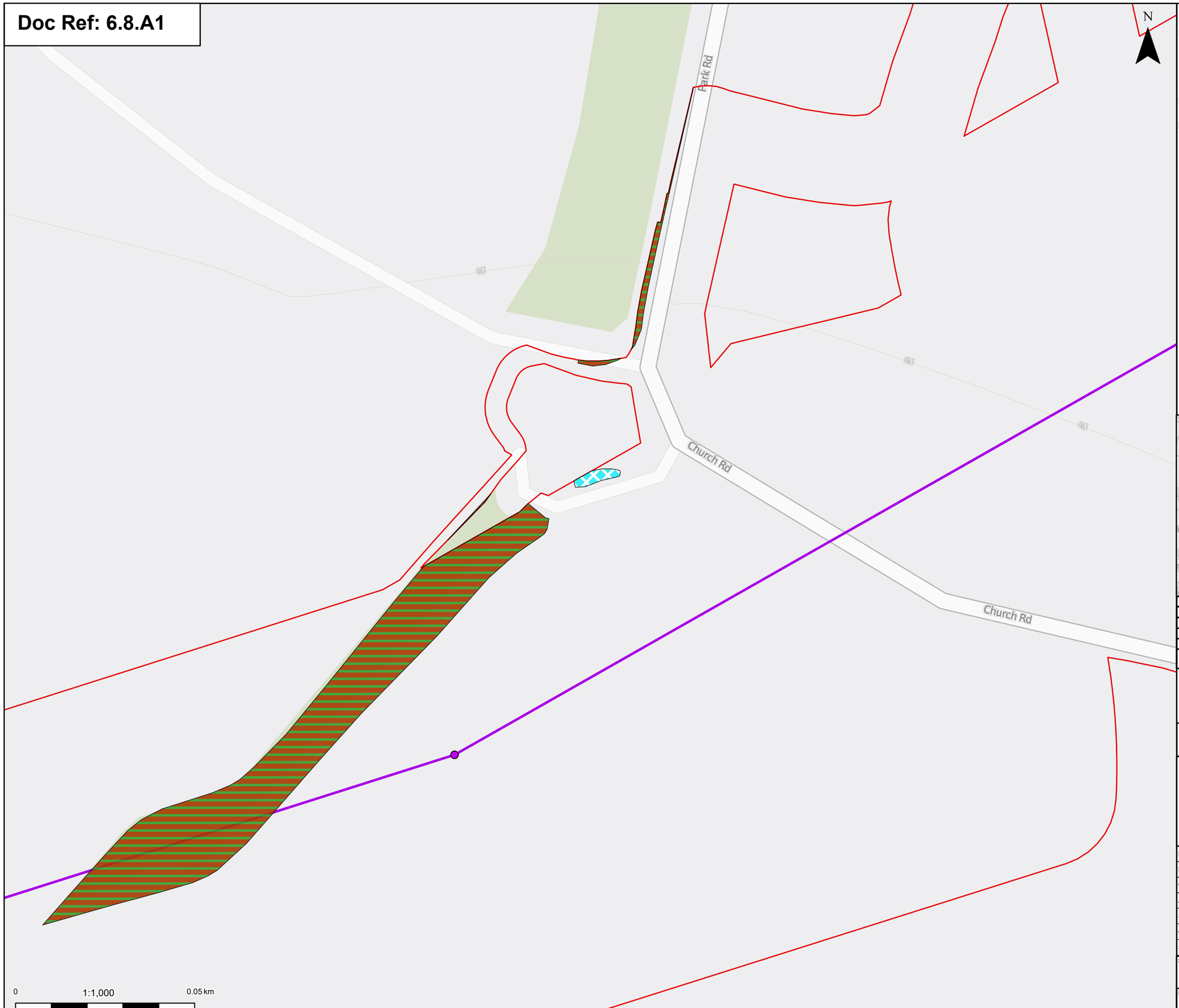
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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
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Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

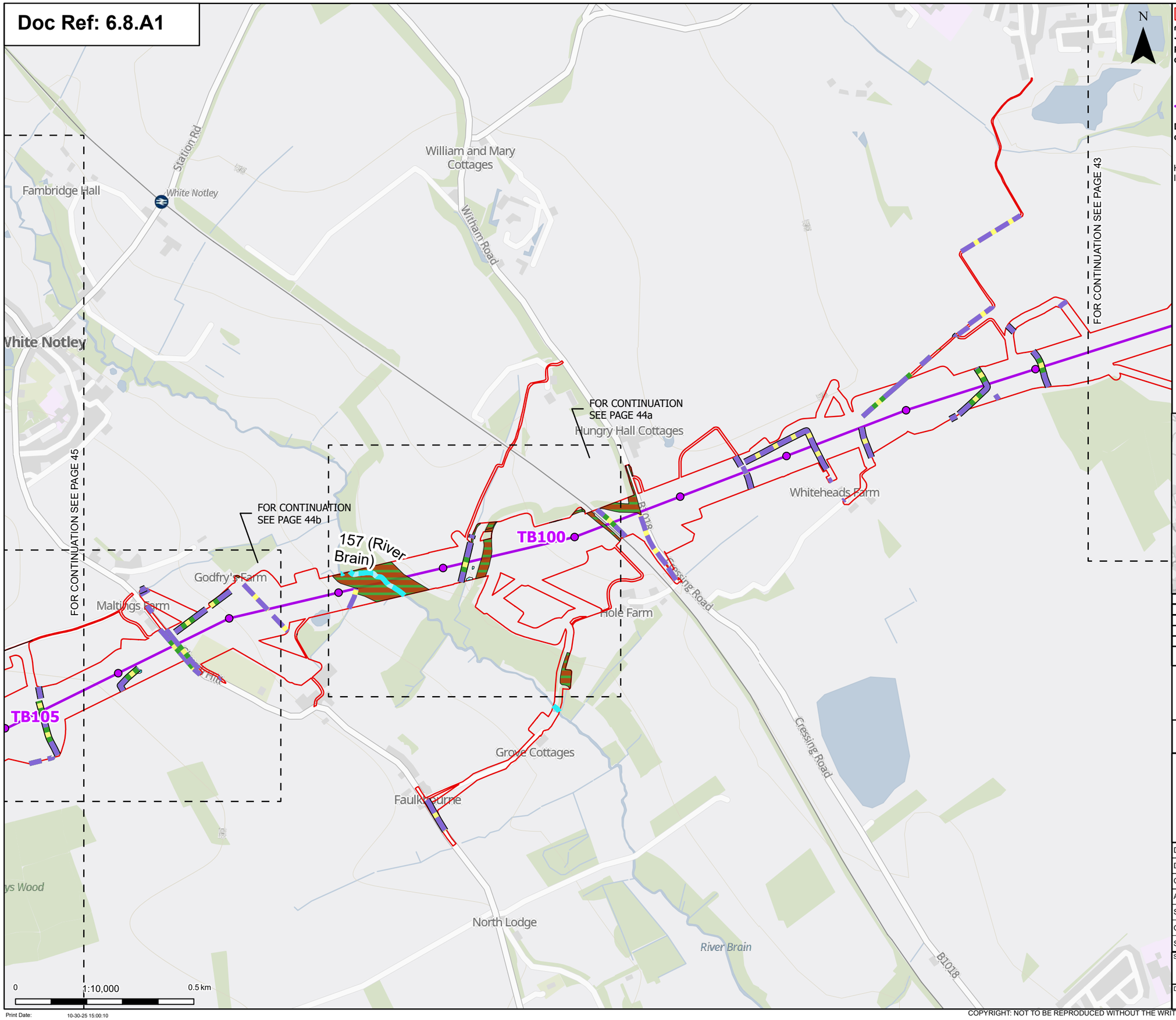
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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

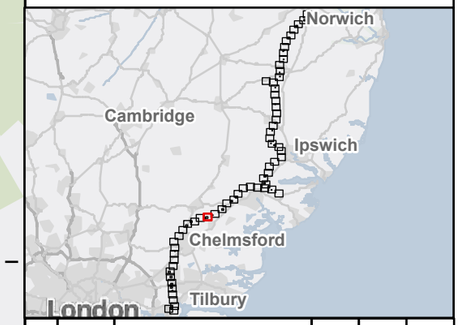
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section E
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

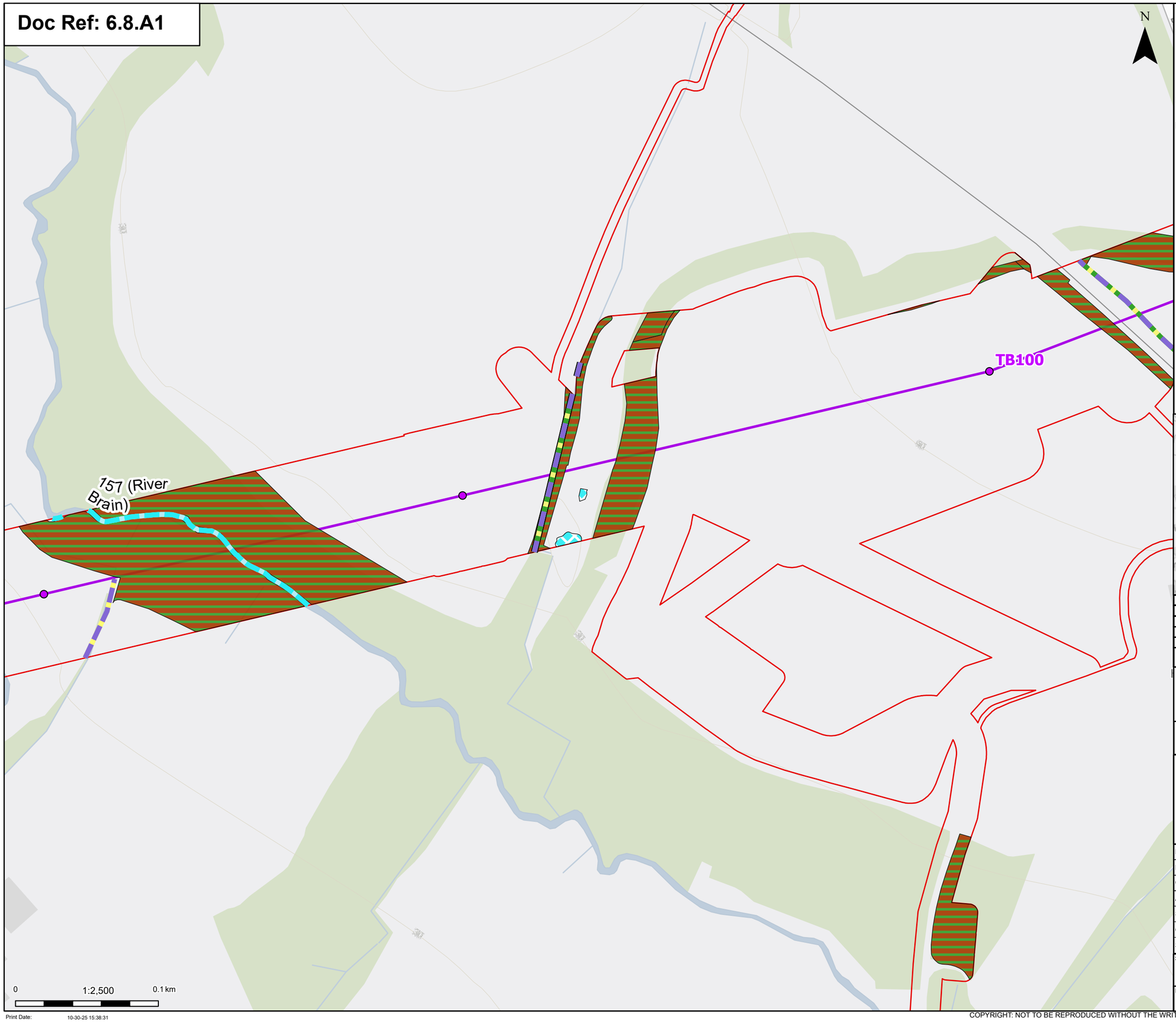
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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow with trees

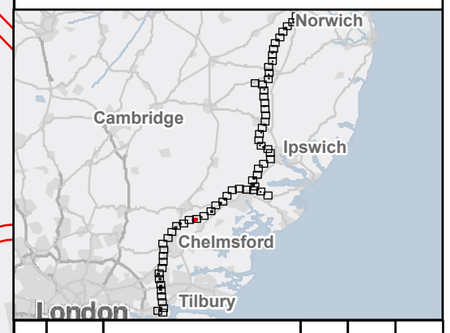
Native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
Page 44a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

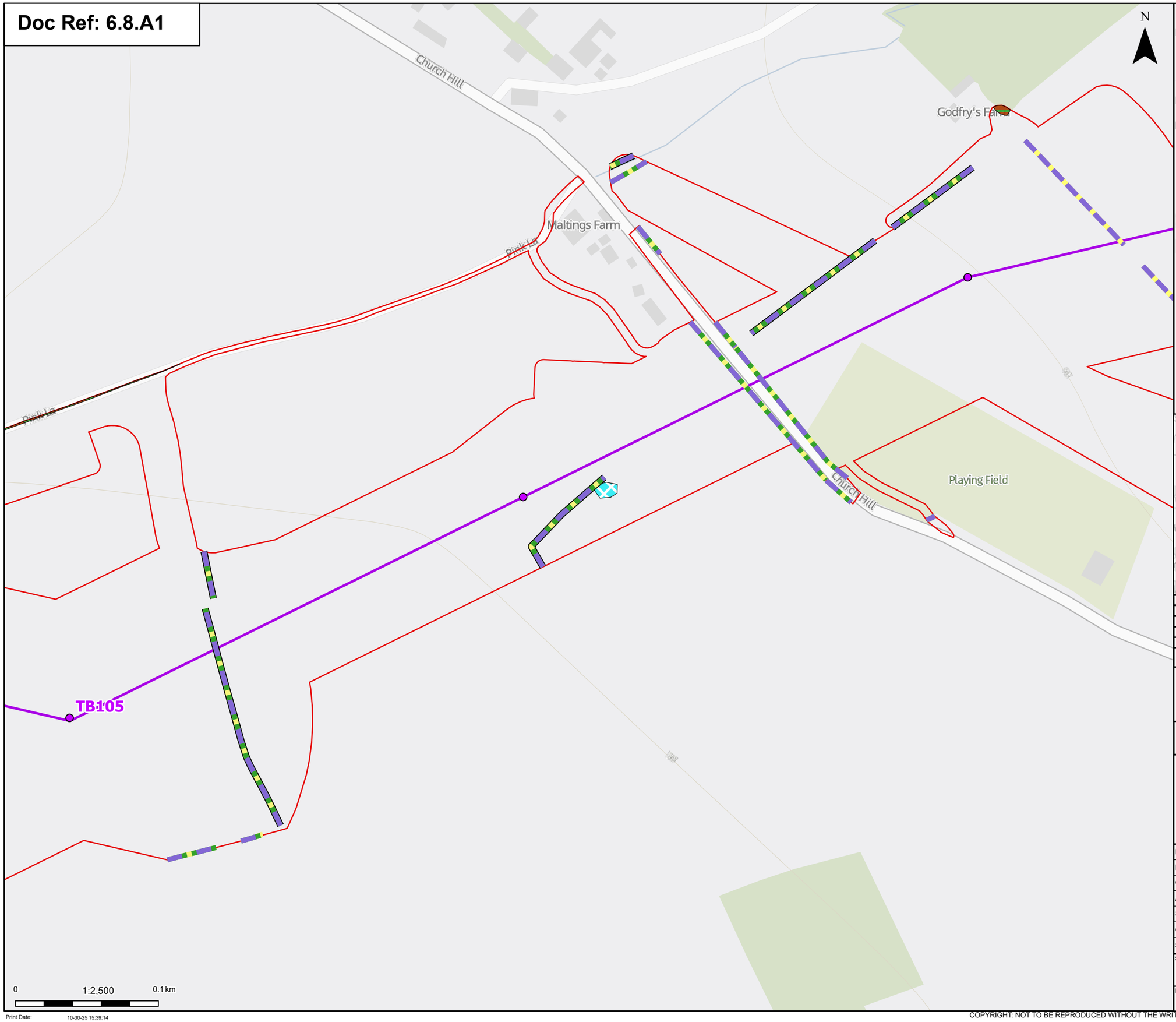
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Revision: B

Print Date: 10-30-25 15:38:31

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow with trees

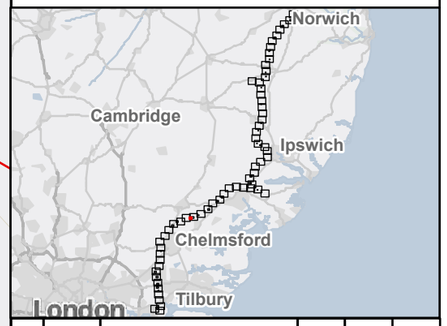
Native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
Page 44b of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

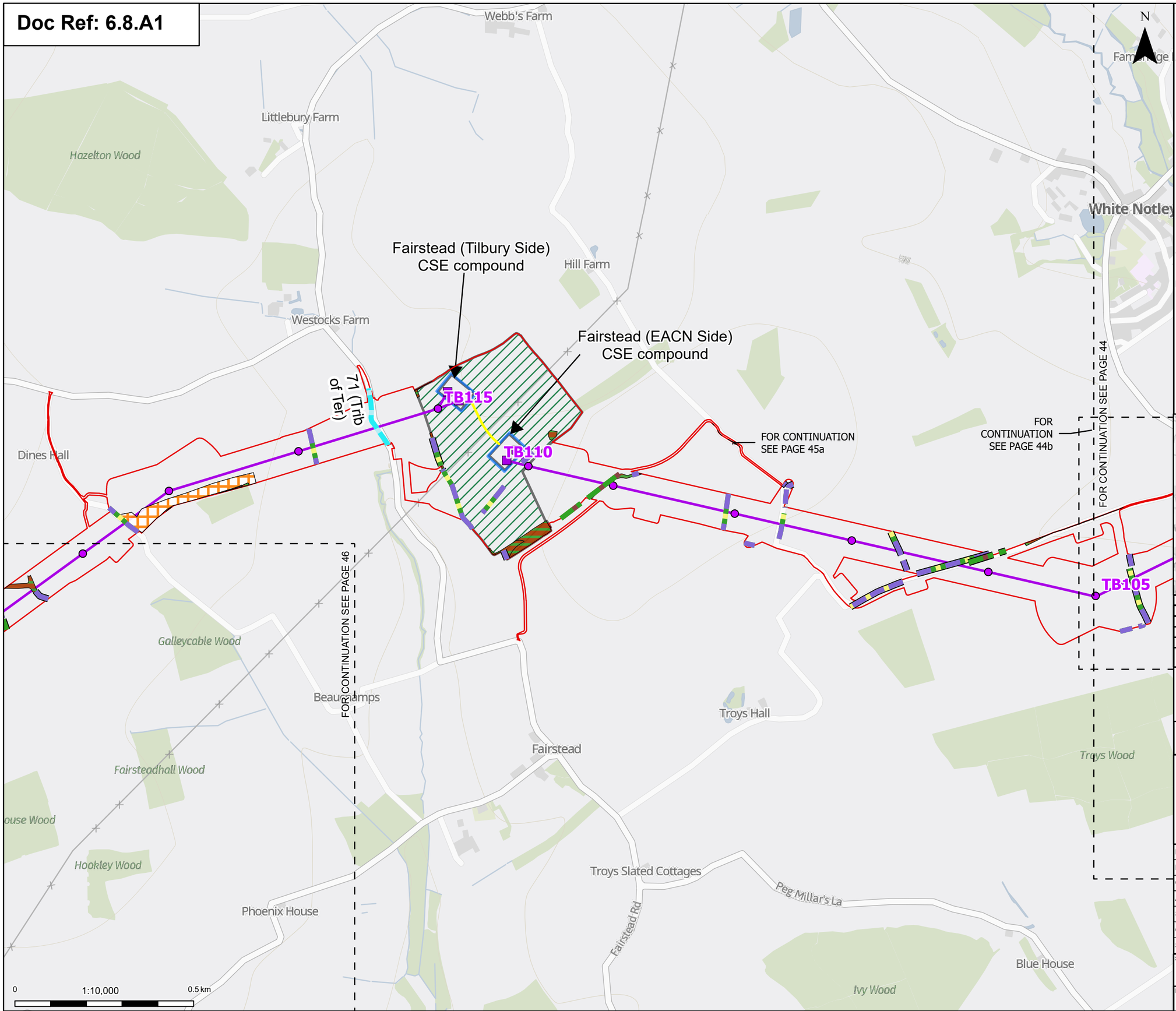
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Revision: B

Print Date: 10-30-25 15:39:14

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Doc Ref: 6.8.A1



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

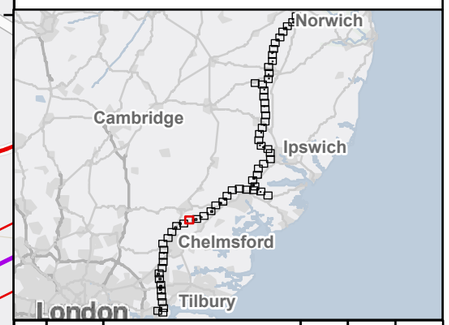
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Arable field margins game bird mix
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
Page 45 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1

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Print Date: 10-30-25 15:39:56

Order limits

Discipline specific constraints

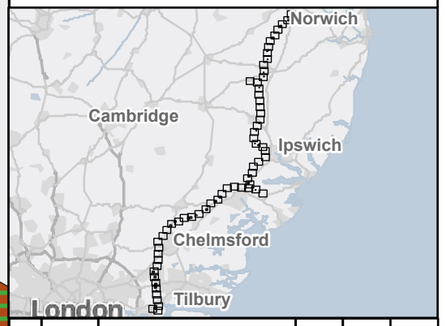
Habitats of Principal Importance (HPI)

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section E
Page 45a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:20	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

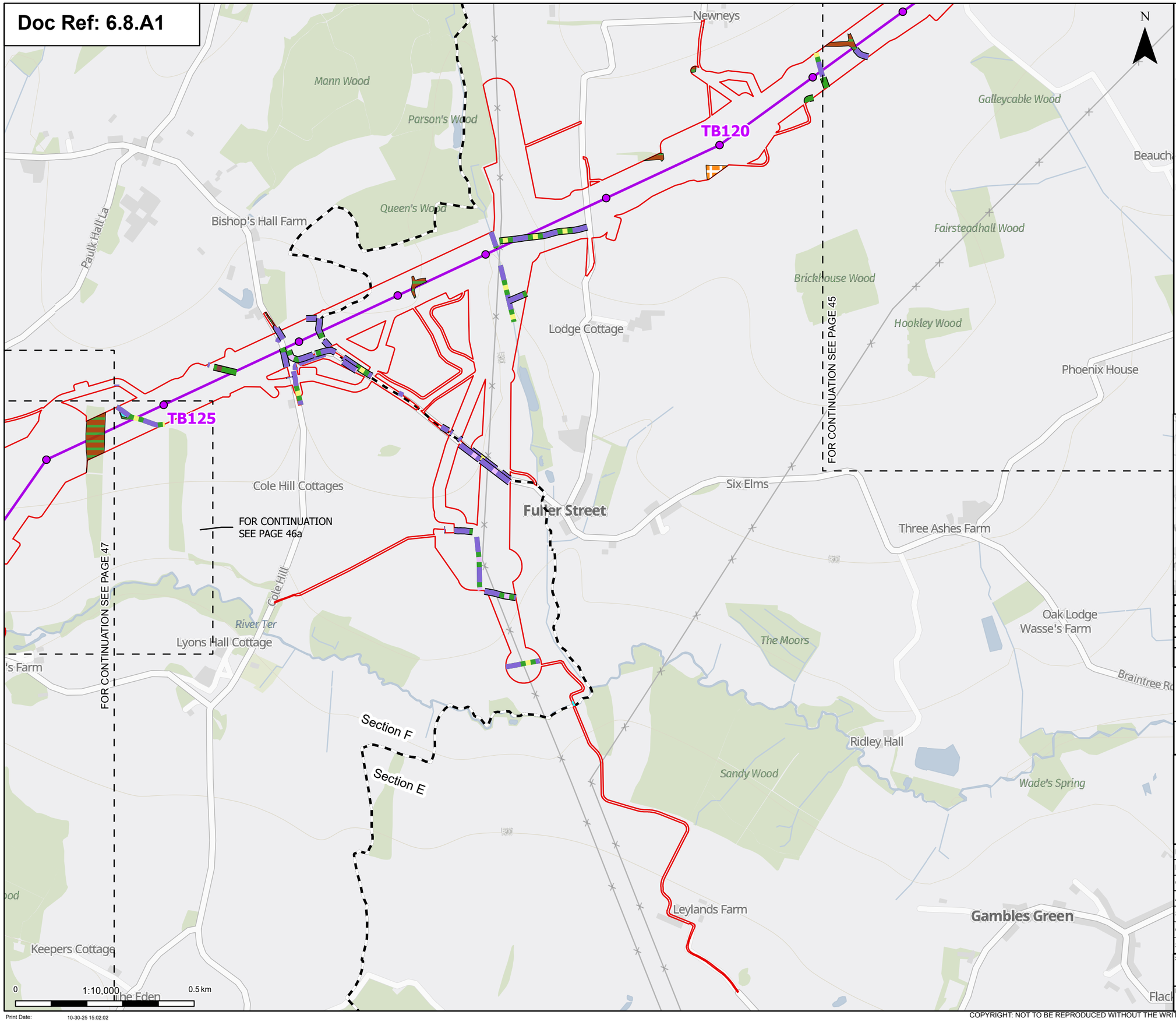
Suitability Description:
Accepted as Concept Stage

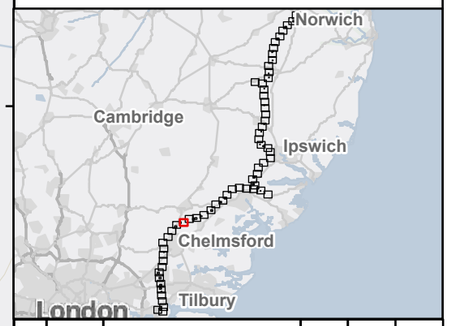
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Doc Ref: 6.8.A1





- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Arable field margins cultivated annually
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections E and F
Page 46 of 63

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

Suitability Description: Accepted as Concept Stage

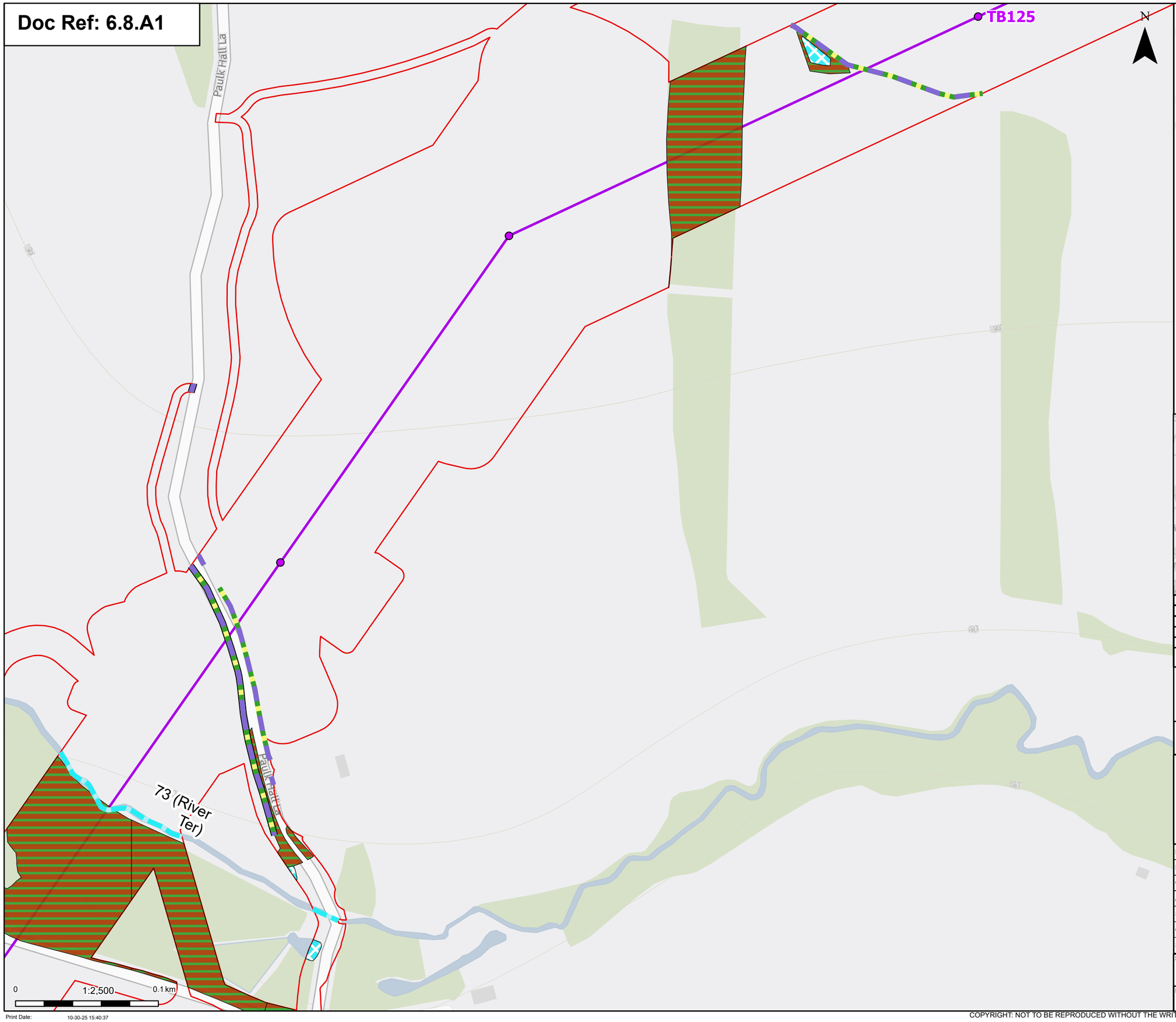
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Revision: B

Print Date: 10-30-25 15:02:02

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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow with trees

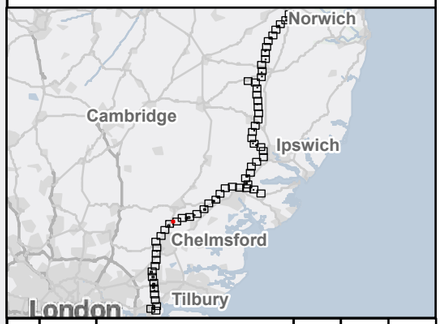
Native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section F
Page 46a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

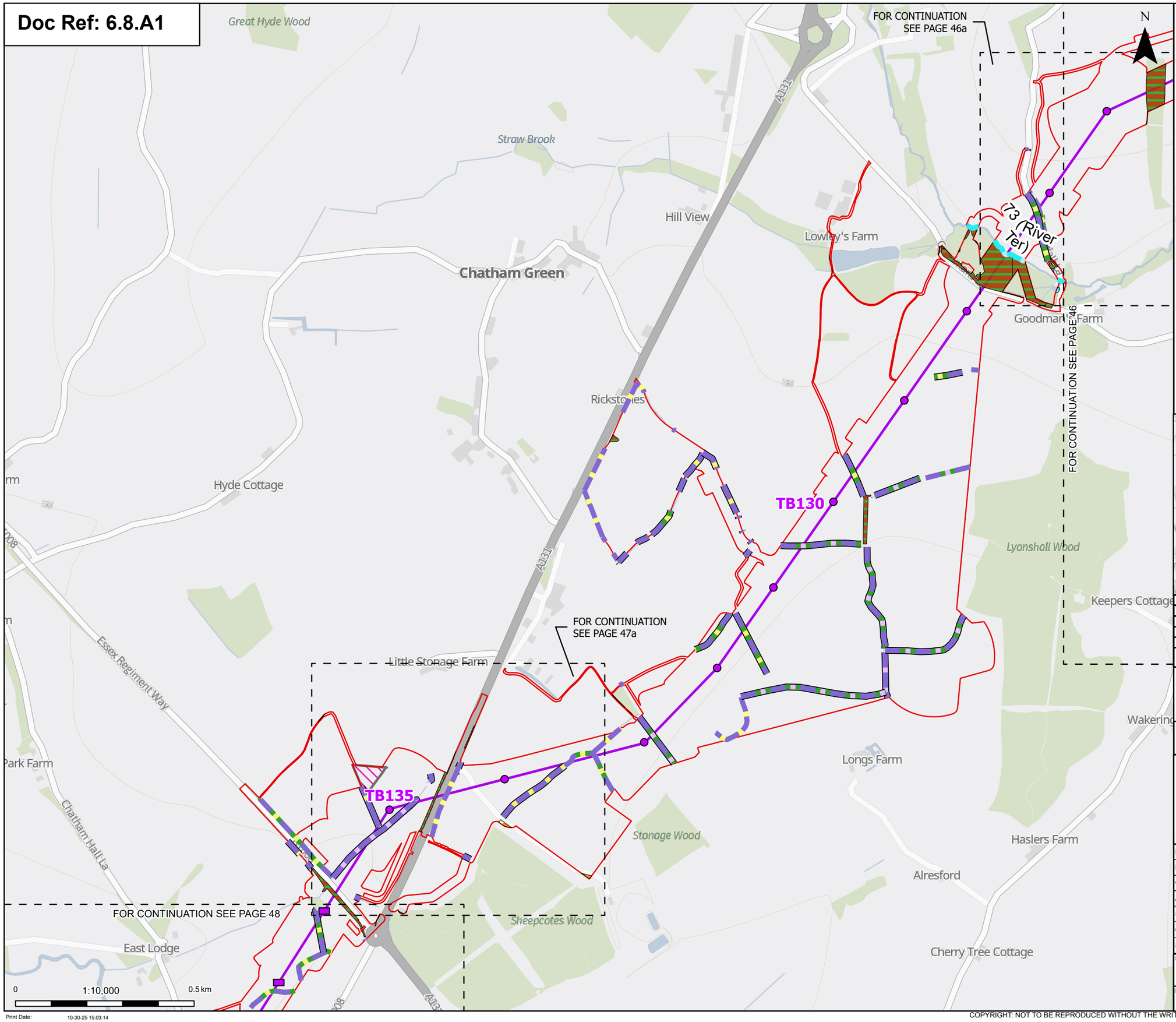
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Revision: B

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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

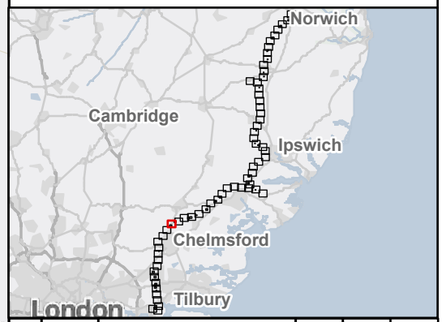
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Arable field margins cultivated annually
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section F
Page 47 of 63

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

Suitability Description:
Accepted as Concept Stage

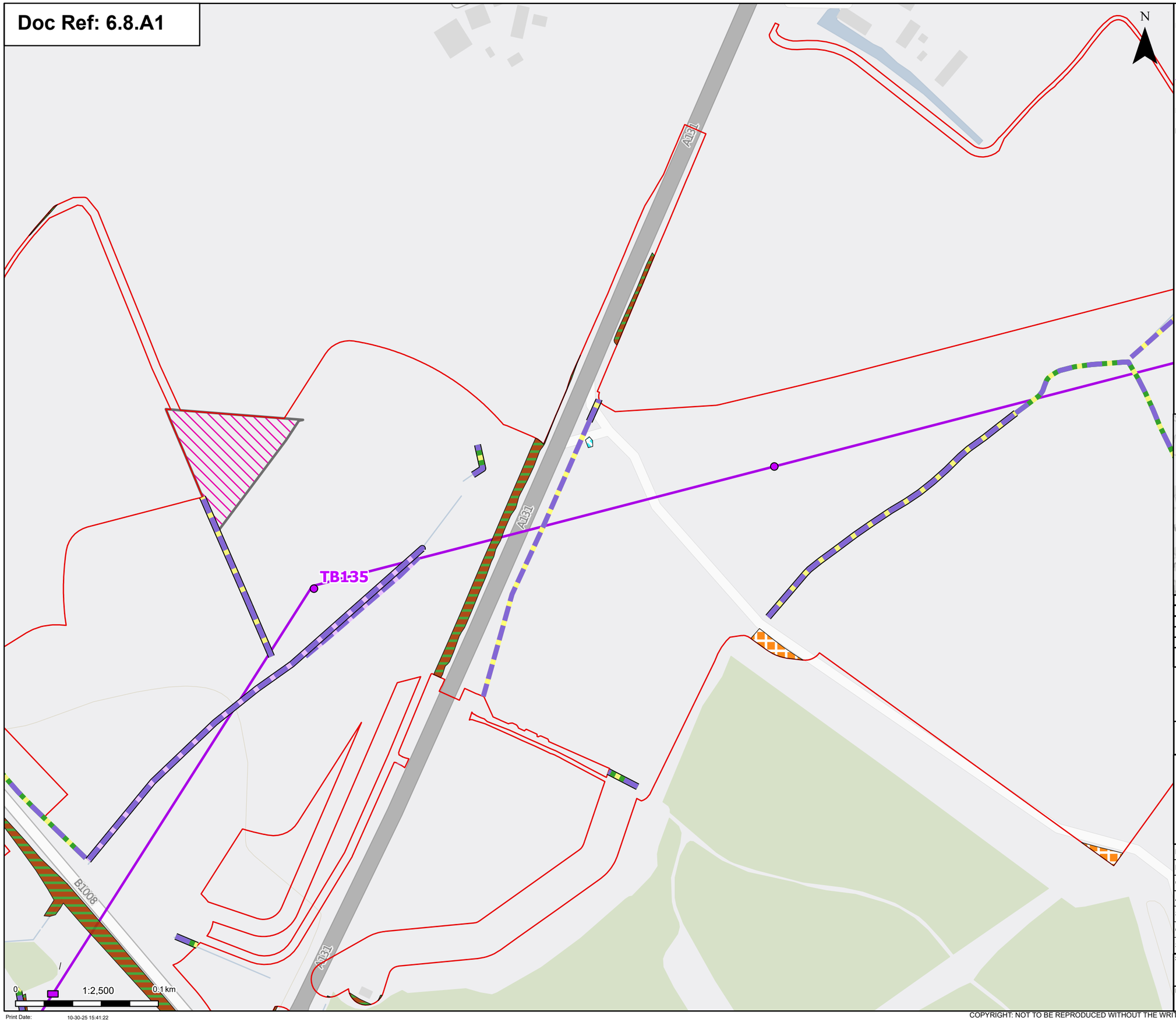
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Revision: B

Print Date: 10-30-25 15:03:14

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Doc Ref: 6.8.A1



Order limits

Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation

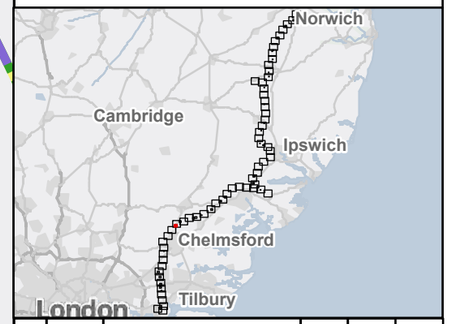
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Arable field margins cultivated annually
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section F
Page 47a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

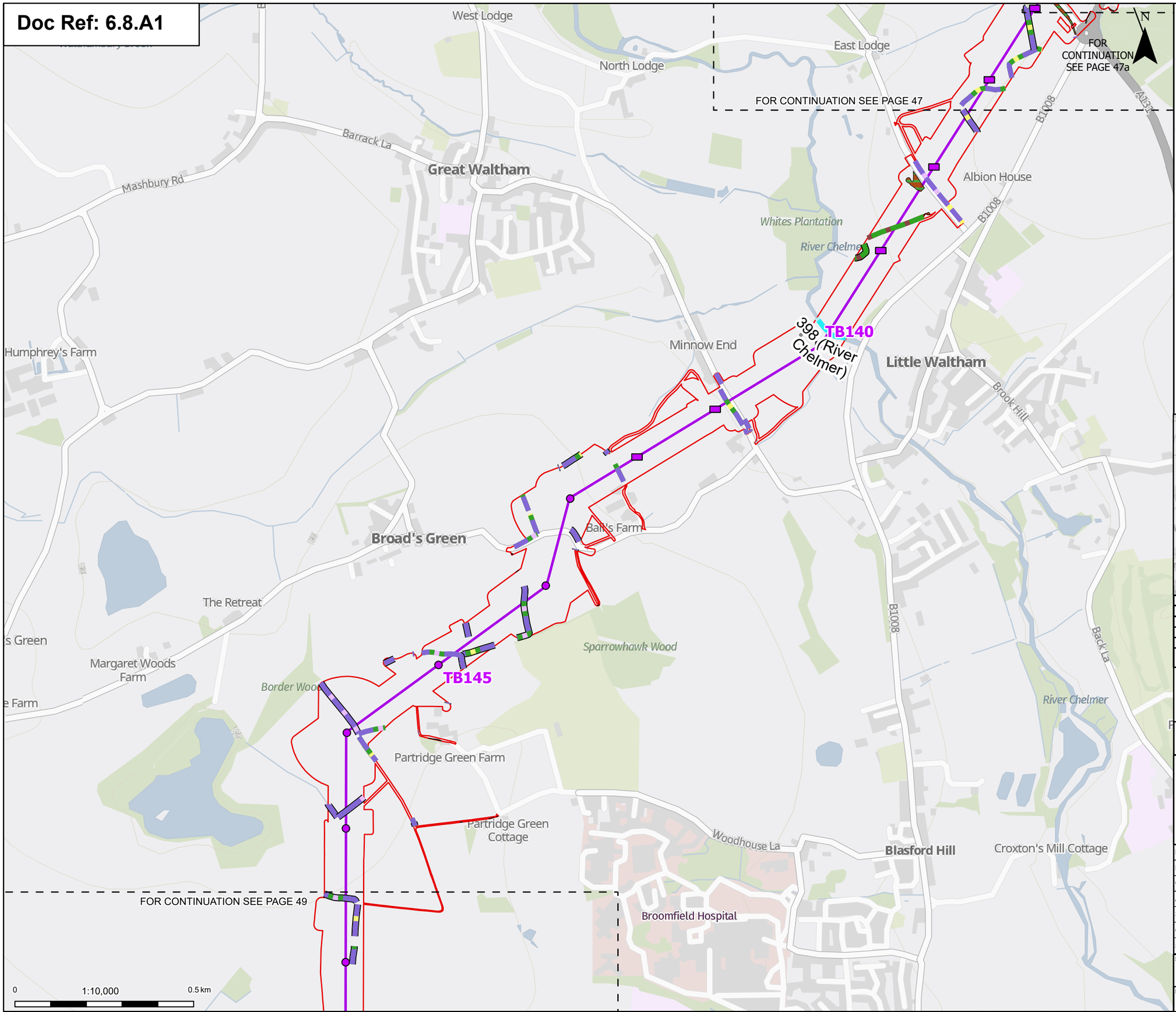
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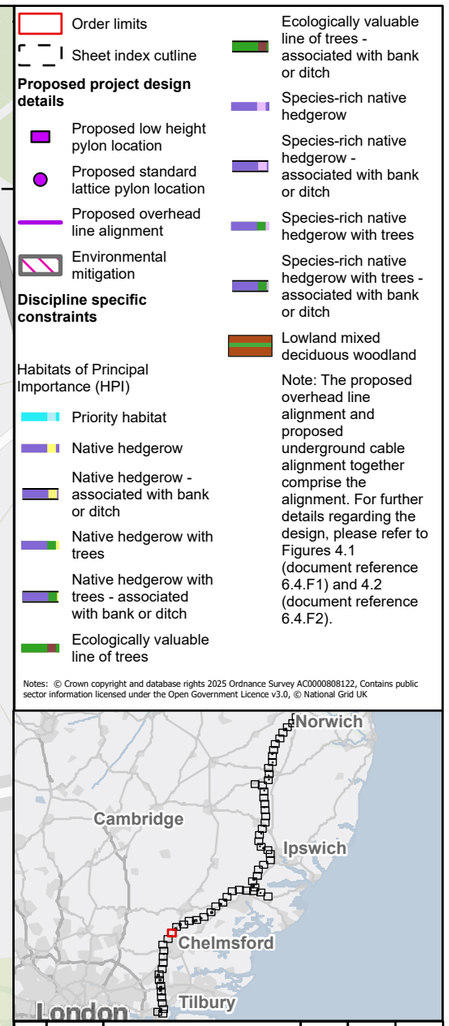
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Order limits
Sheet index cutline

Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section F

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

Suitability Description: Accepted as Concept Stage

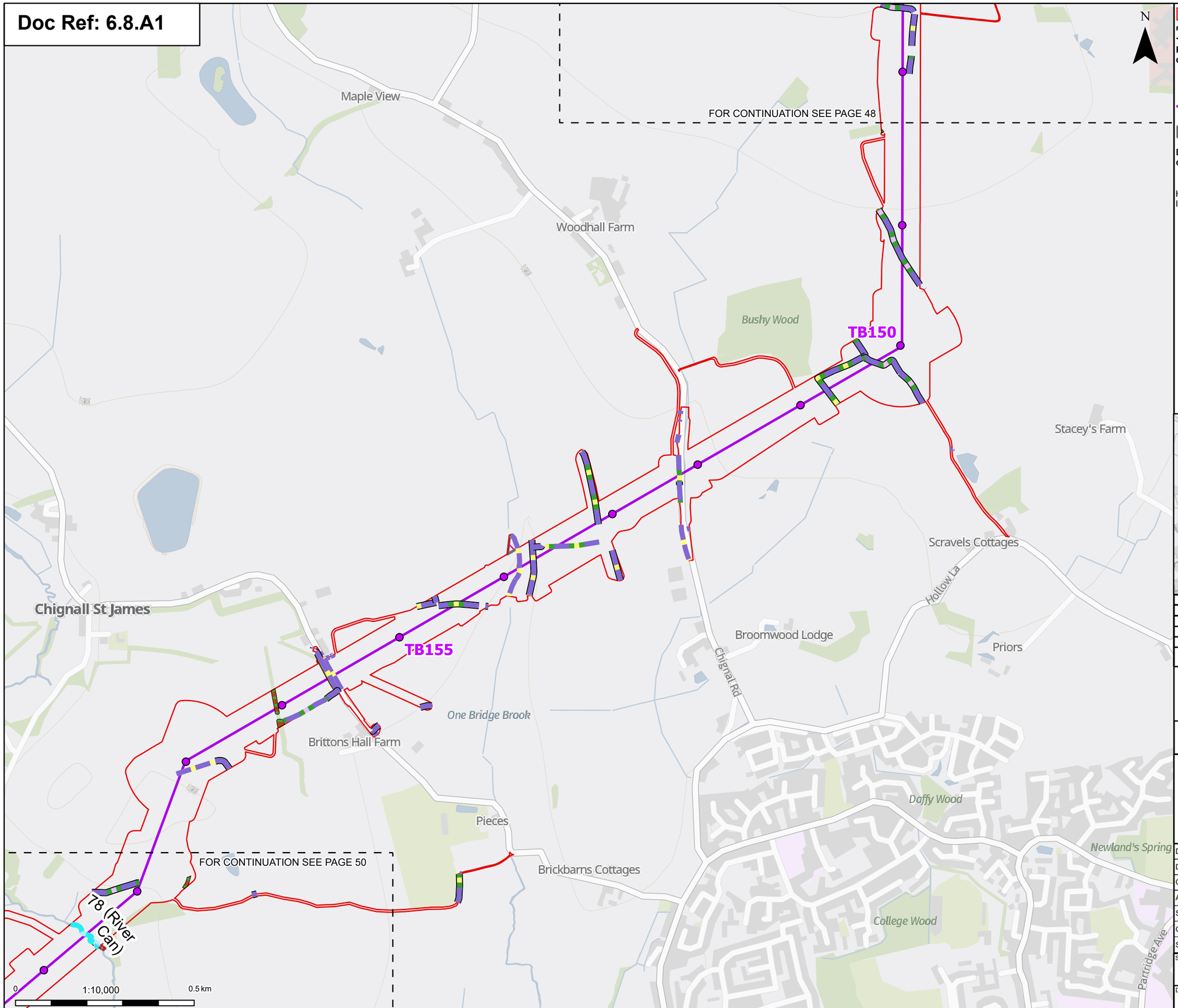
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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow - associated with bank or ditch

Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section F
Page 49 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Description:
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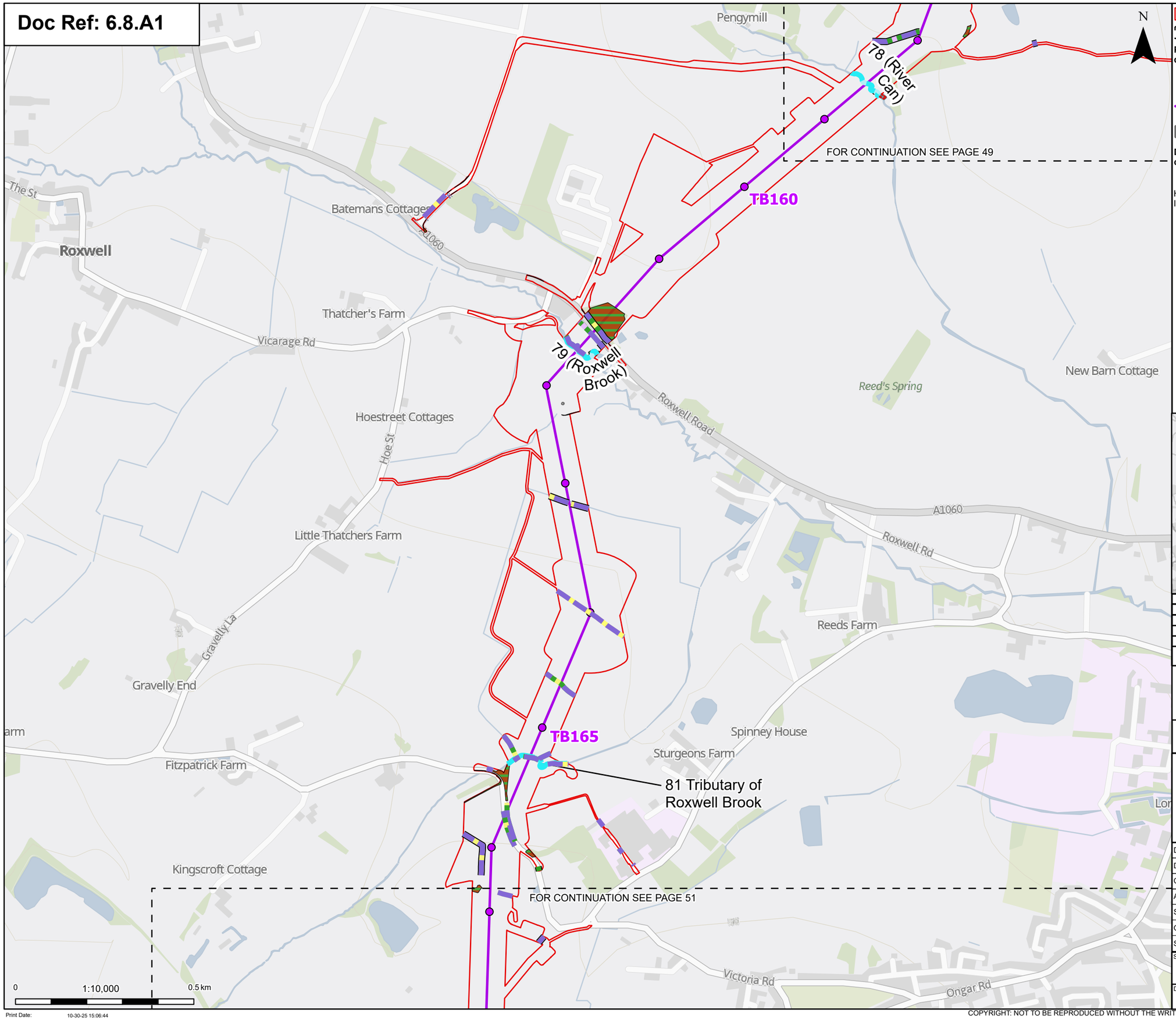
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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees - associated with bank or ditch

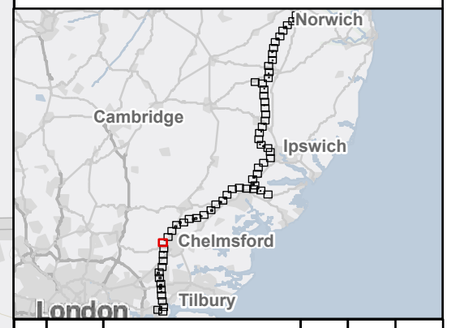
Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section F
Page 50 of 63

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

Suitability Description:
Accepted as Concept Stage

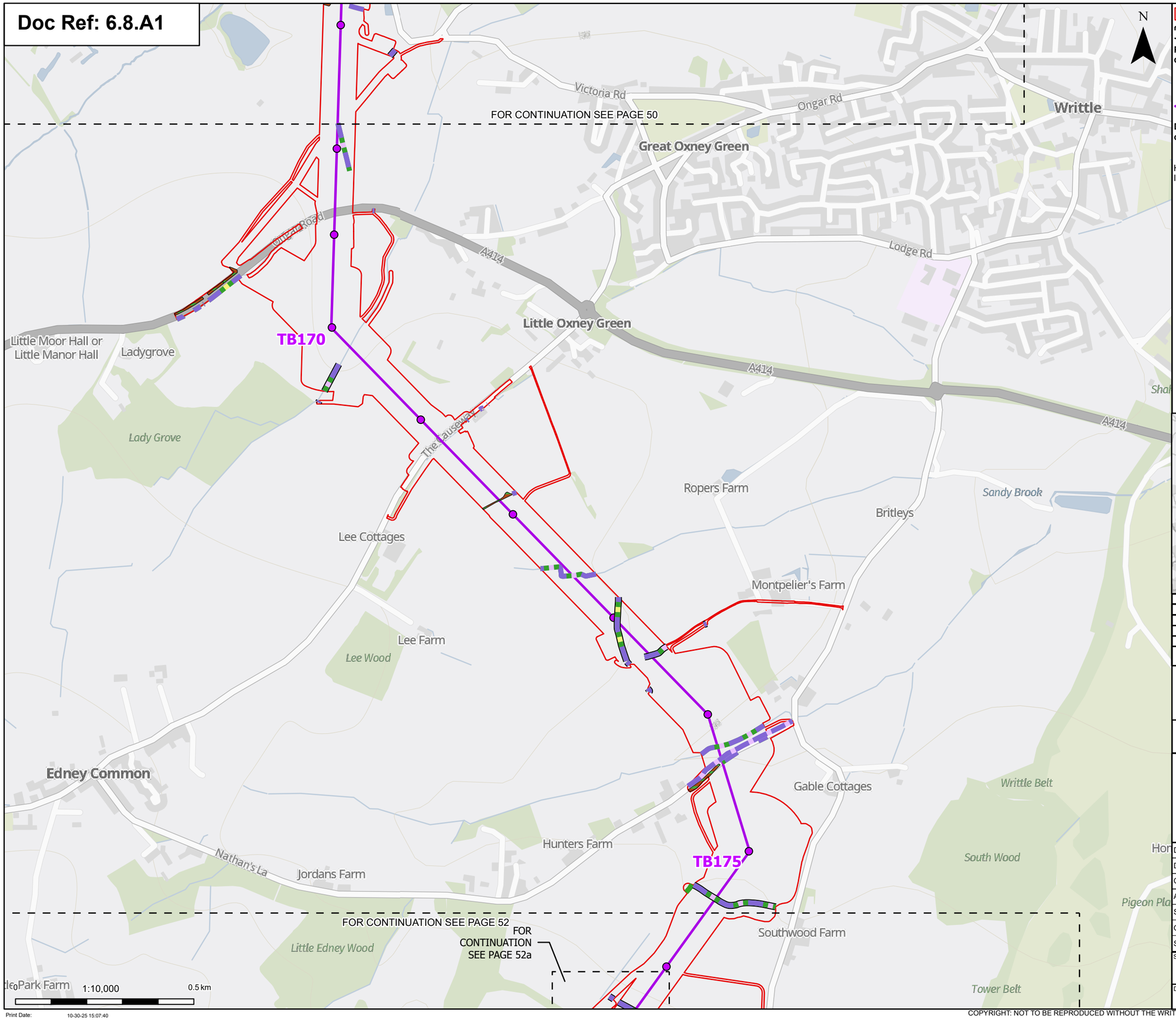
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

Species-rich native hedgerow

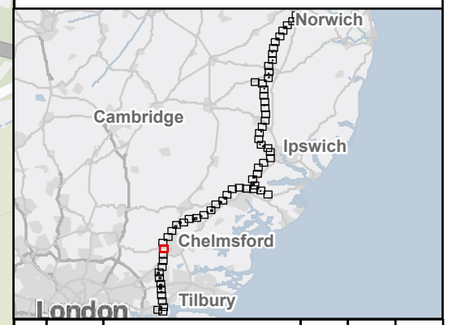
Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section F
Page 51 of 63

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

Suitability Description:
Accepted as Concept Stage

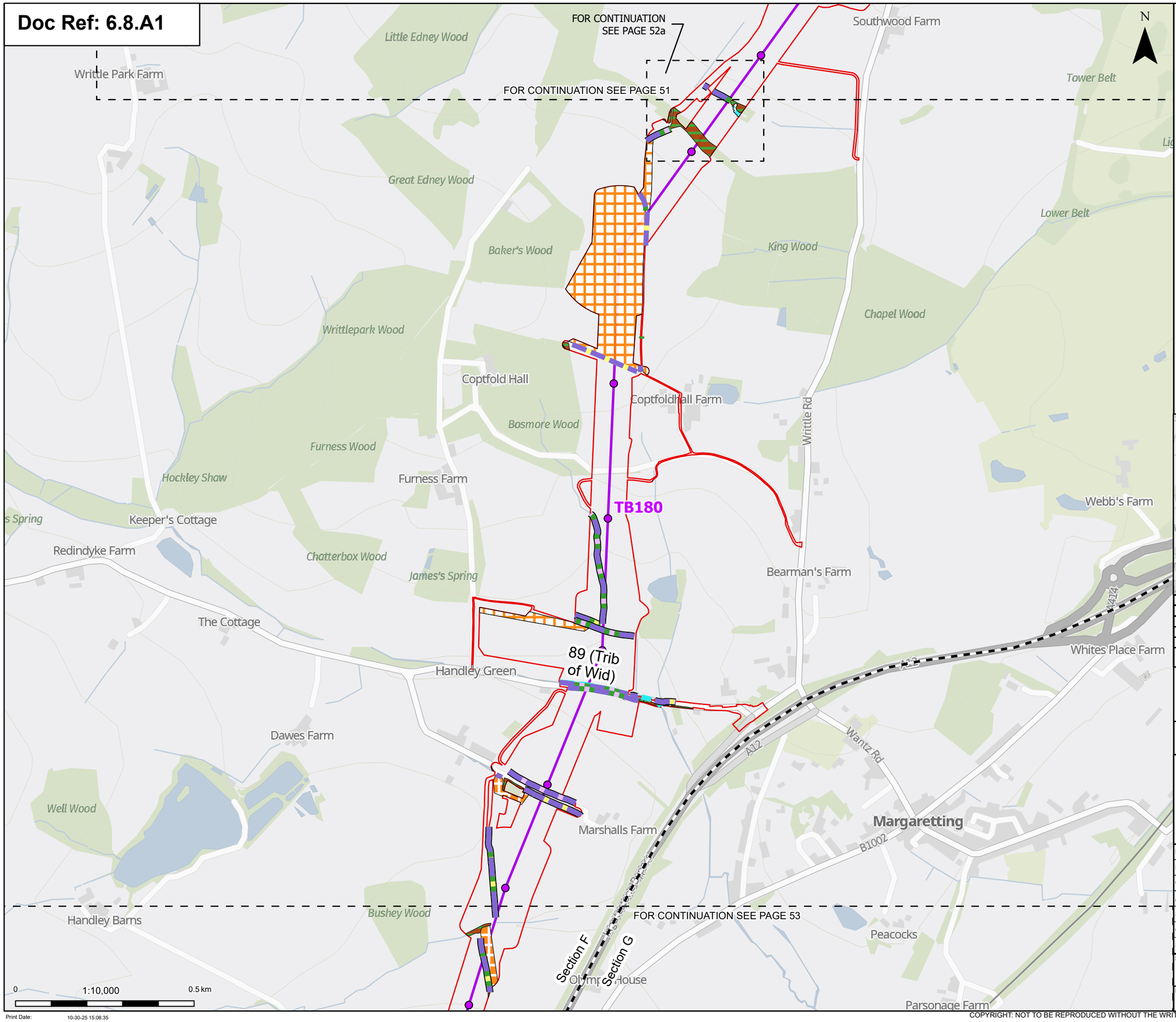
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Revision: B

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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

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Priority habitat
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ecologically valuable line of trees
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Species-rich native hedgerow with trees - associated with bank or ditch
- Arable field margins cultivated annually
- Arable field margins game bird mix
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections F and G
Page 52 of 63

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

Suitability Description: Accepted as Concept Stage

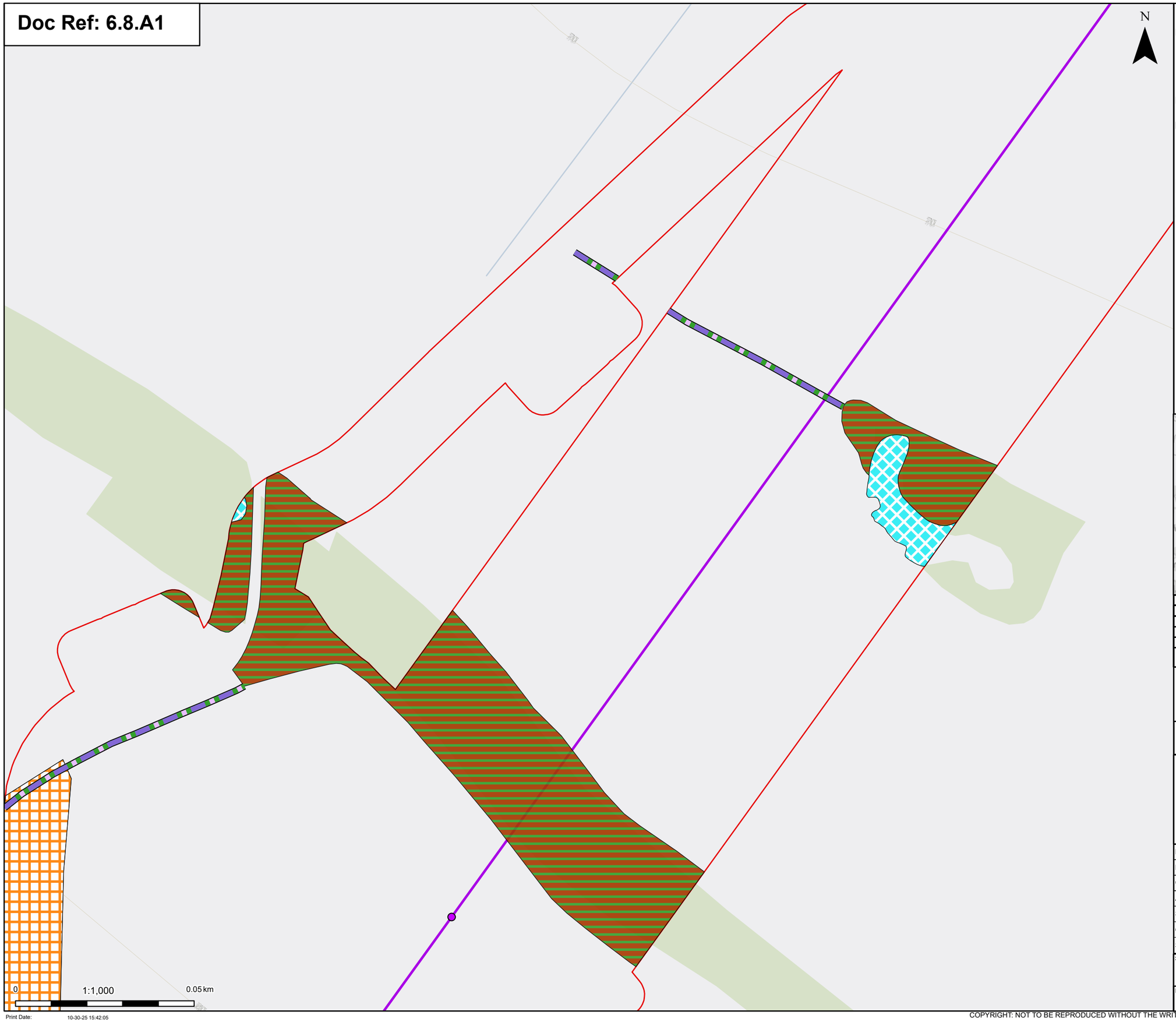
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Print Date: 10-30-25 15:42:05

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Species-rich native hedgerow with trees - associated with bank or ditch

Arable field margins game bird mix

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section F
Page 52a of 63

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

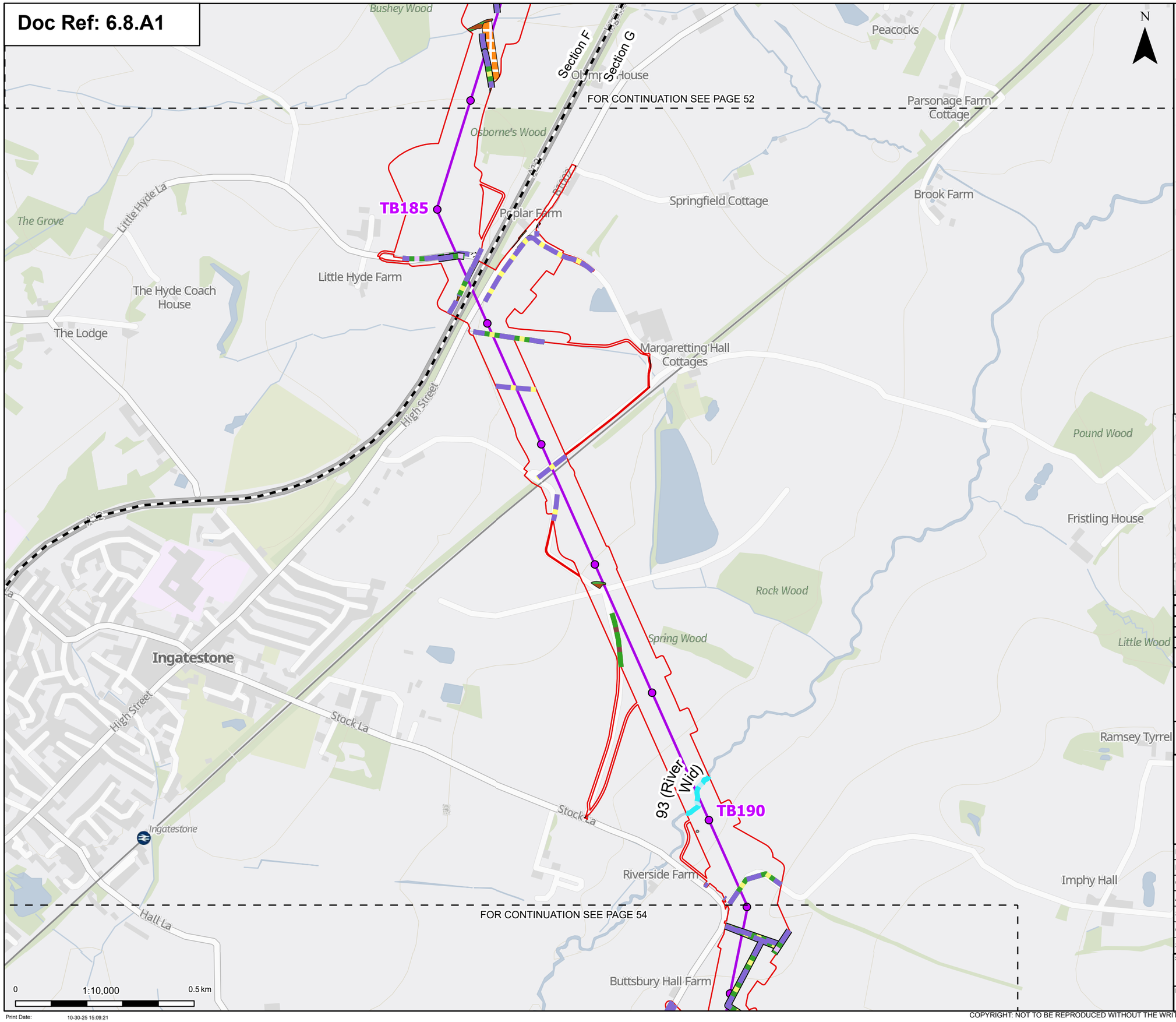
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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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

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat
Native hedgerow
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Ecologically valuable line of trees
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Arable field margins cultivated annually
Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections F and G Page 53 of 63

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

Suitability Description: Accepted as Concept Stage

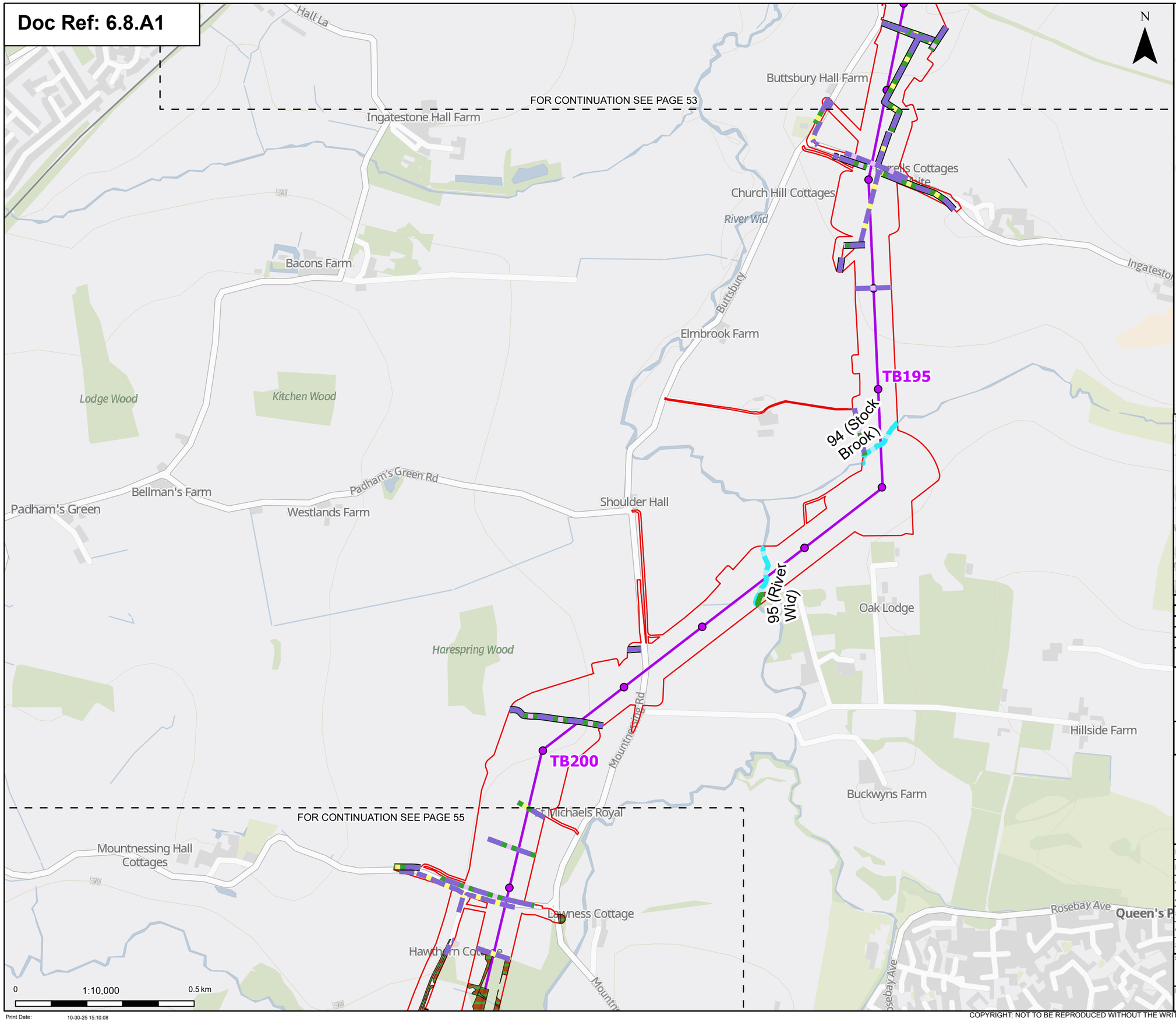
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Ecologically valuable line of trees

Species-rich native hedgerow

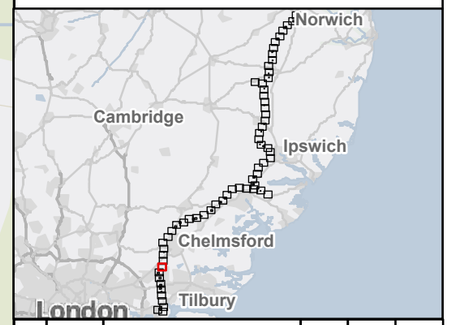
Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section G
Page 54 of 63

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

Suitability Description:
Accepted as Concept Stage

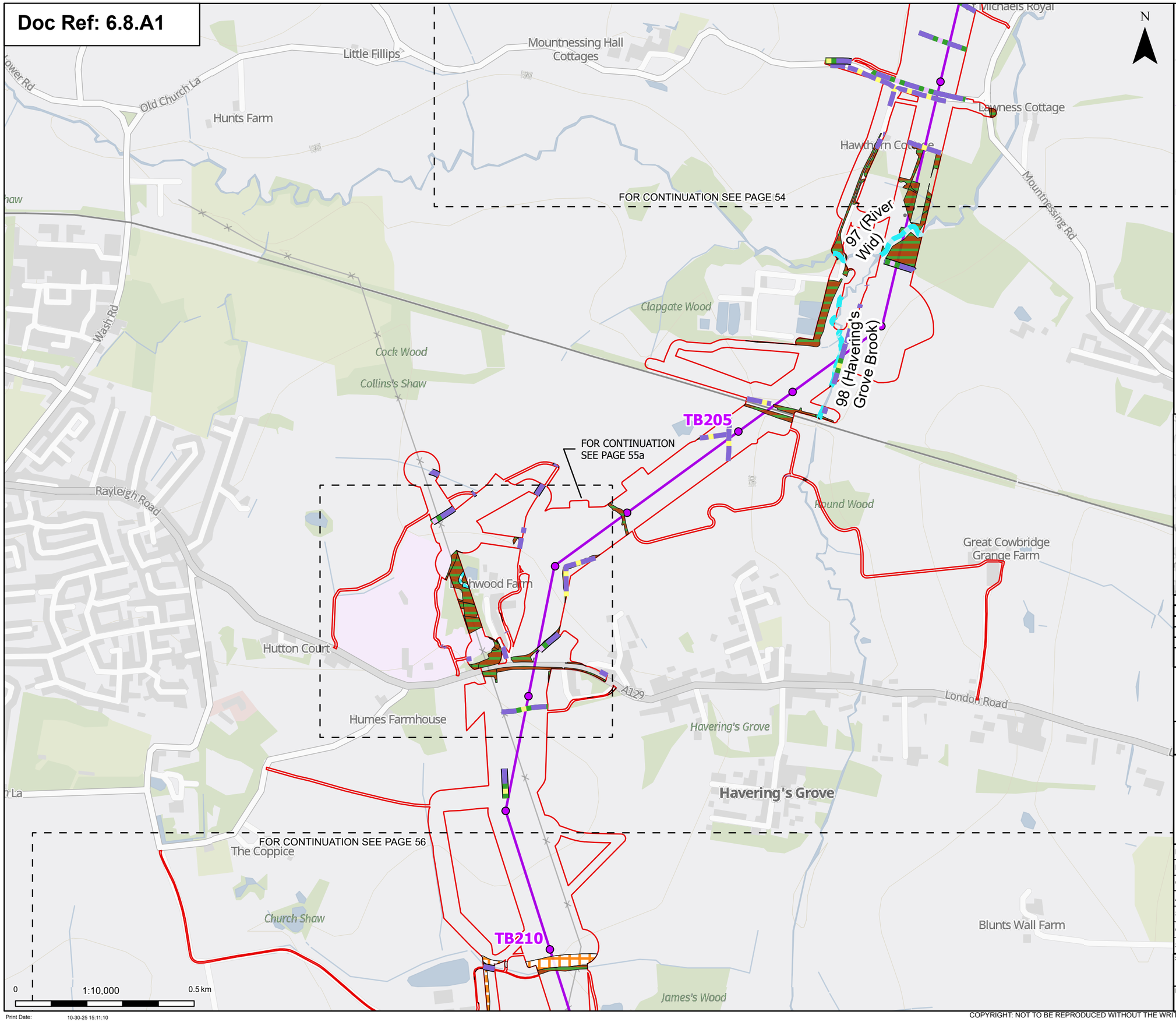
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Print Date: 10-30-25 15:11:10

Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Arable field margins cultivated annually
Arable field margins game bird mix
Lowland mixed deciduous woodland
Ponds (priority habitat)
Wet woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section G
Page 55 of 63

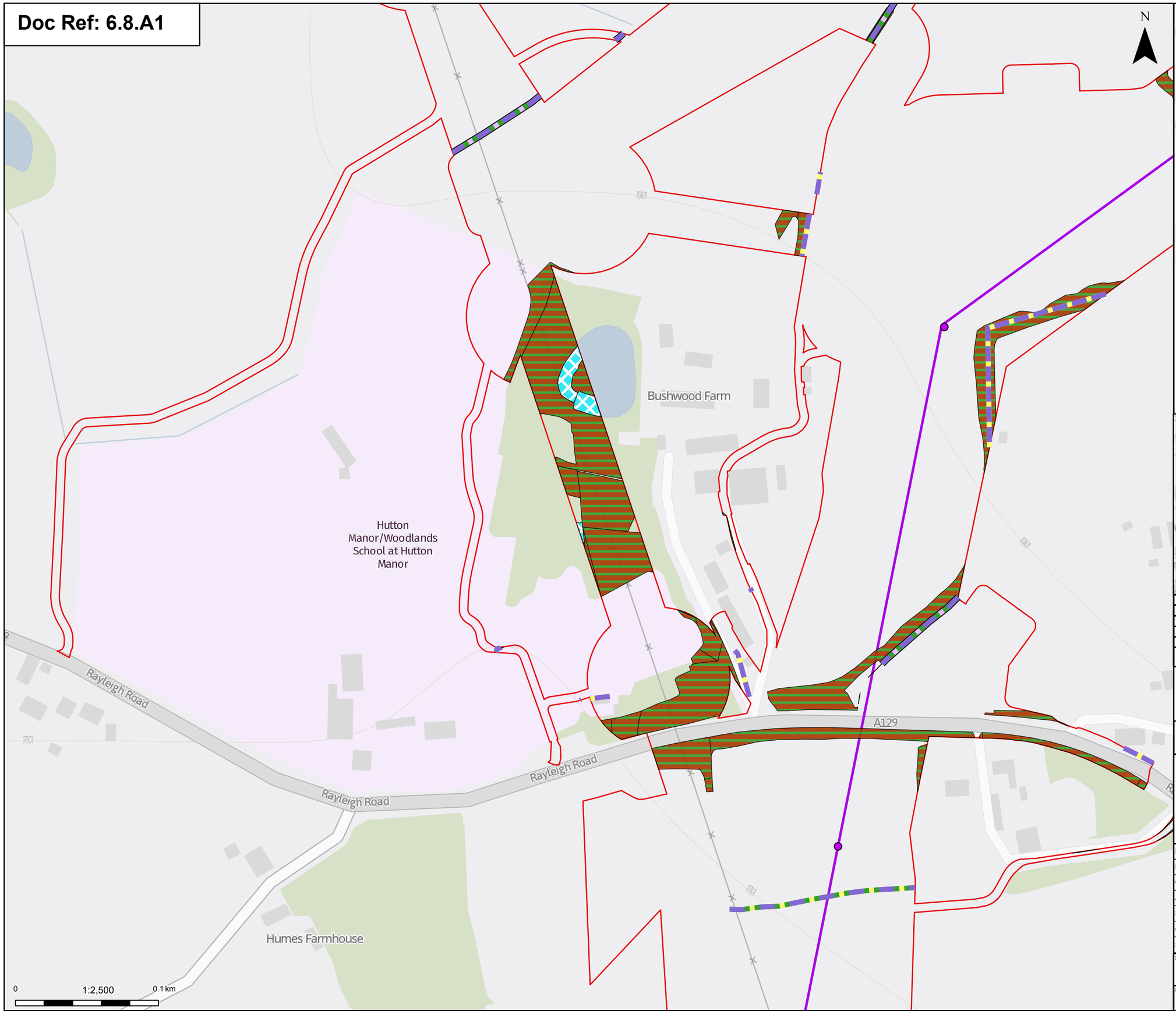
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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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)&(I)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section G
Page 55a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
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Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

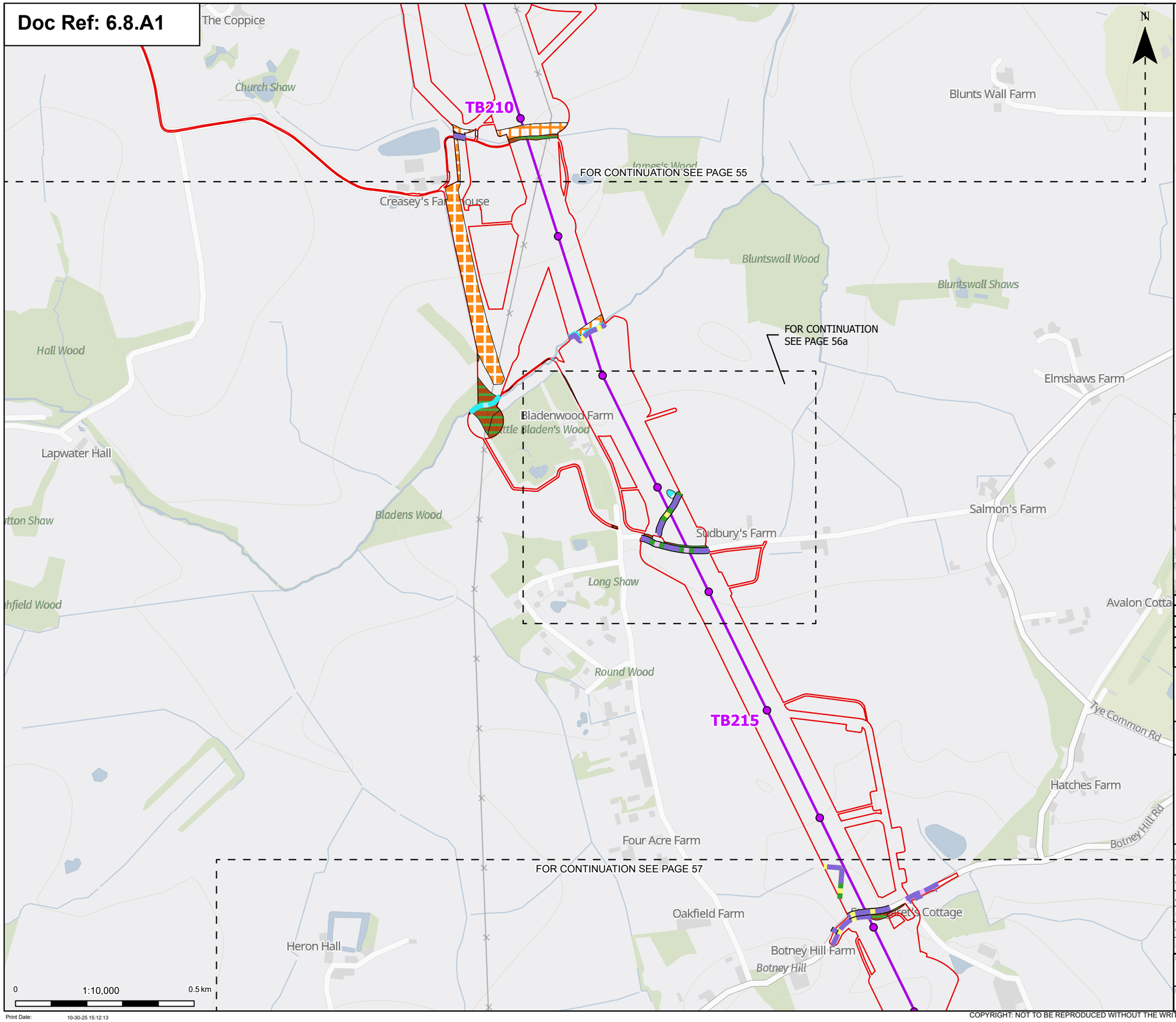
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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Priority habitat

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow

Species-rich native hedgerow with trees - associated with bank or ditch

Arable field margins cultivated annually

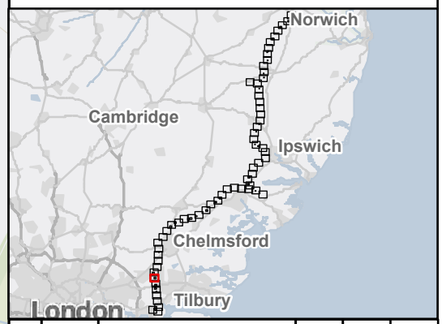
Arable field margins game bird mix

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section G
Page 56 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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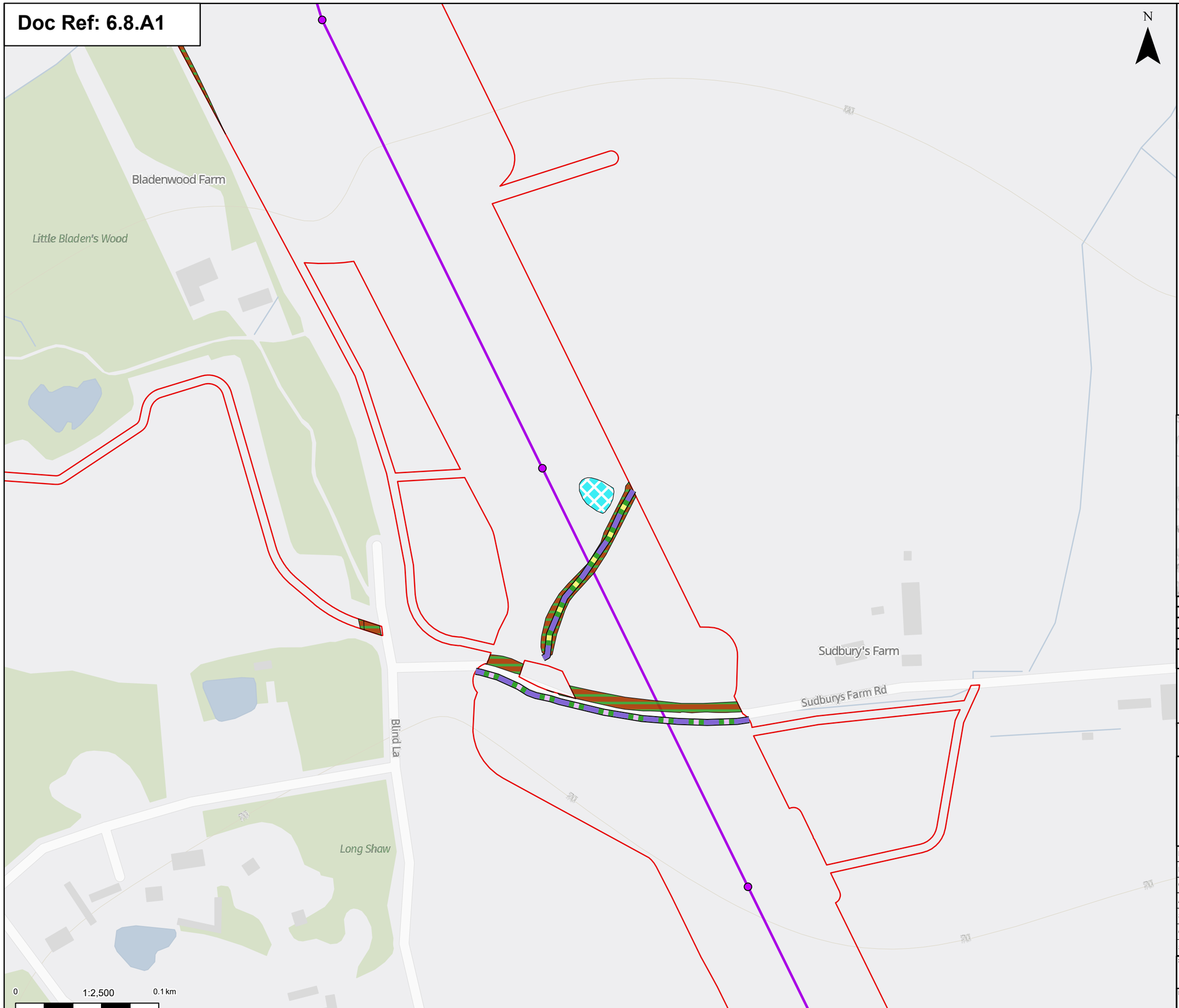
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section G
Page 56a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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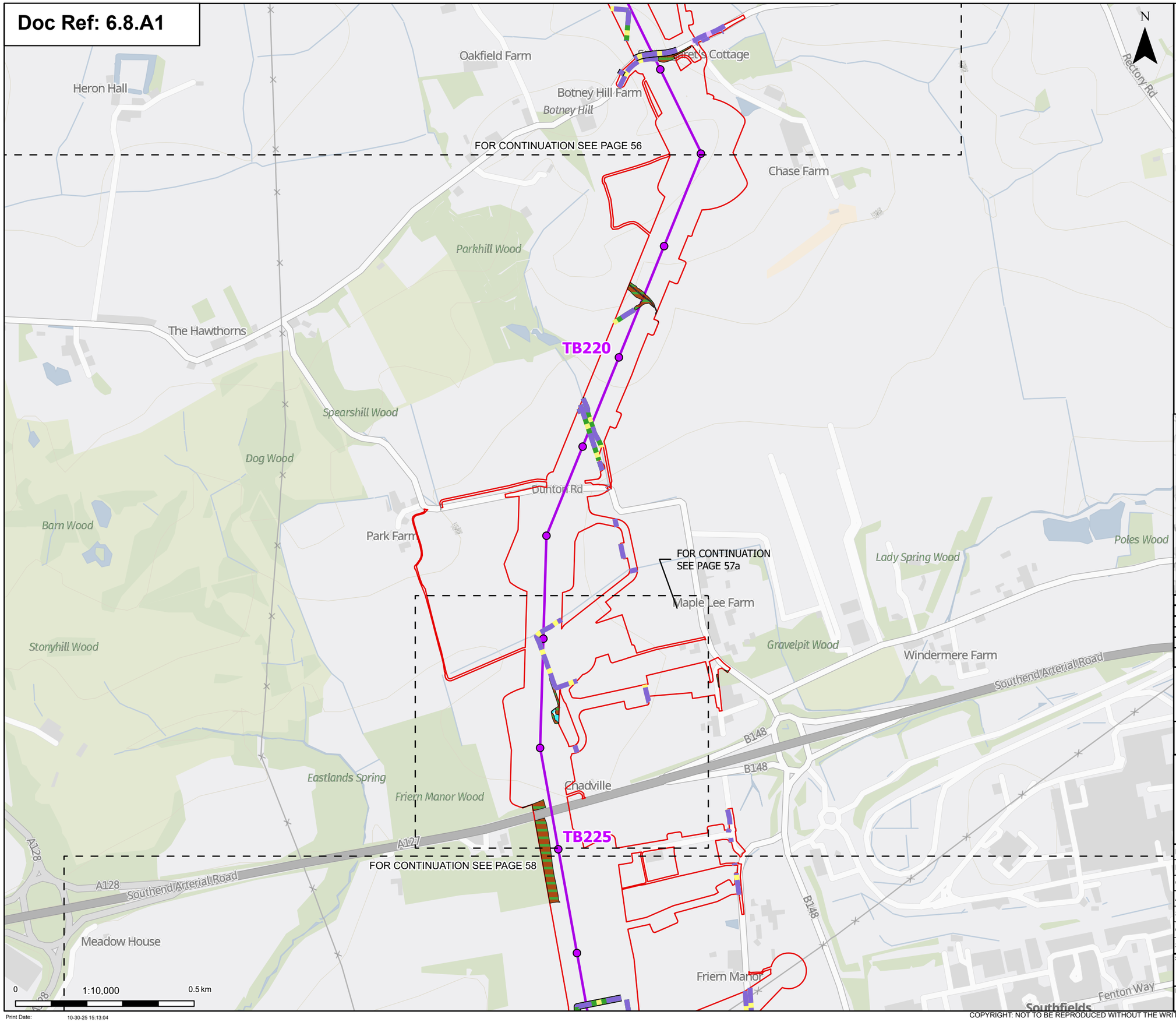
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Order limits

Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

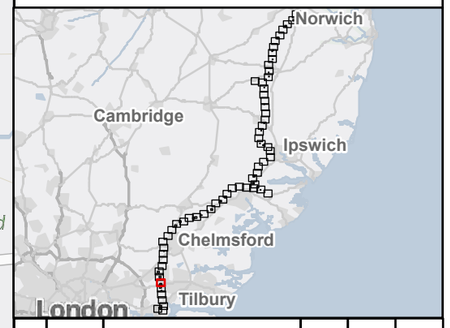
Species-rich native hedgerow

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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)&(l)(ii)

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section G
Page 57 of 63

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

Suitability Description:
Accepted as Concept Stage

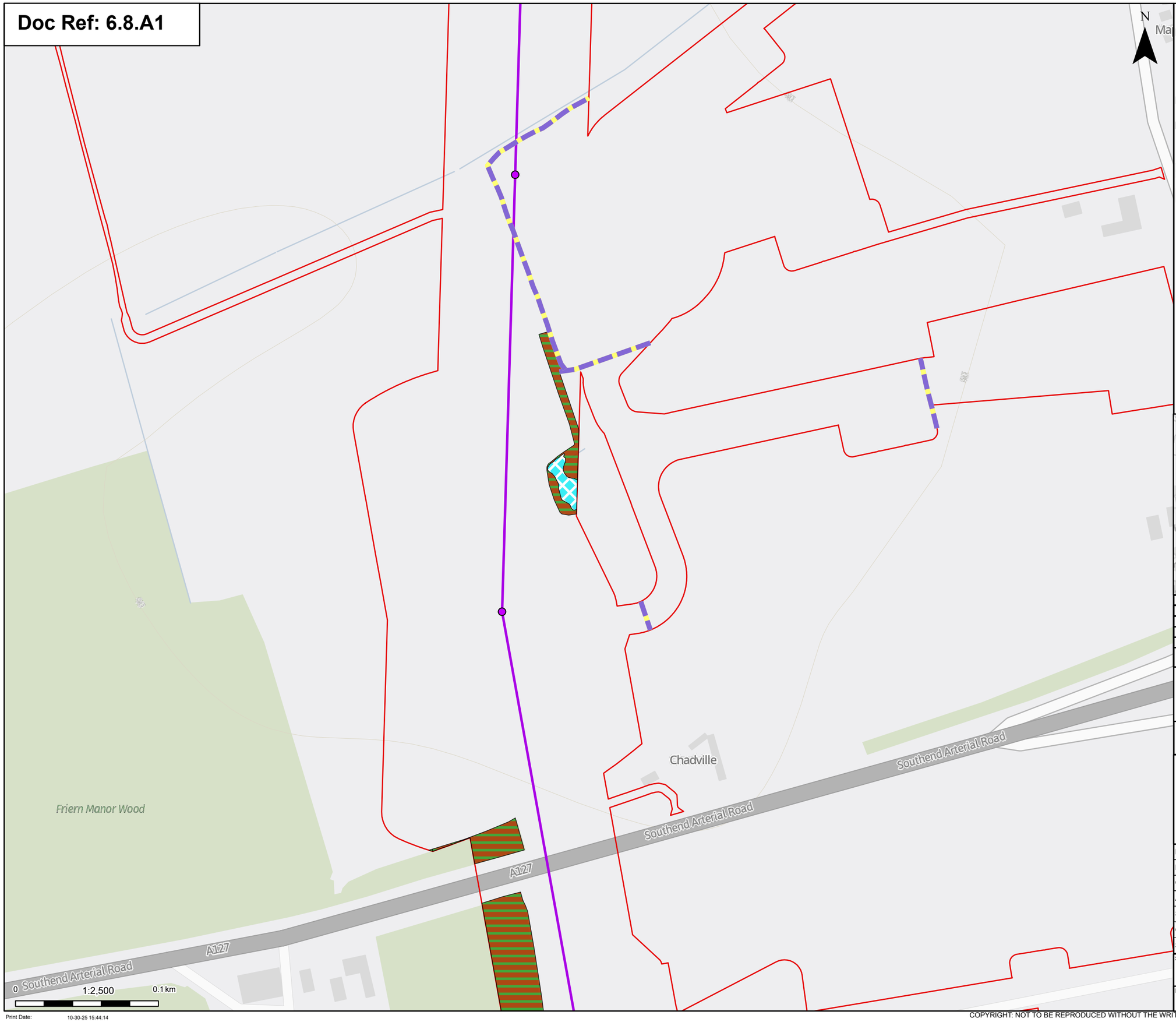
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Revision: B

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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section G
Page 57a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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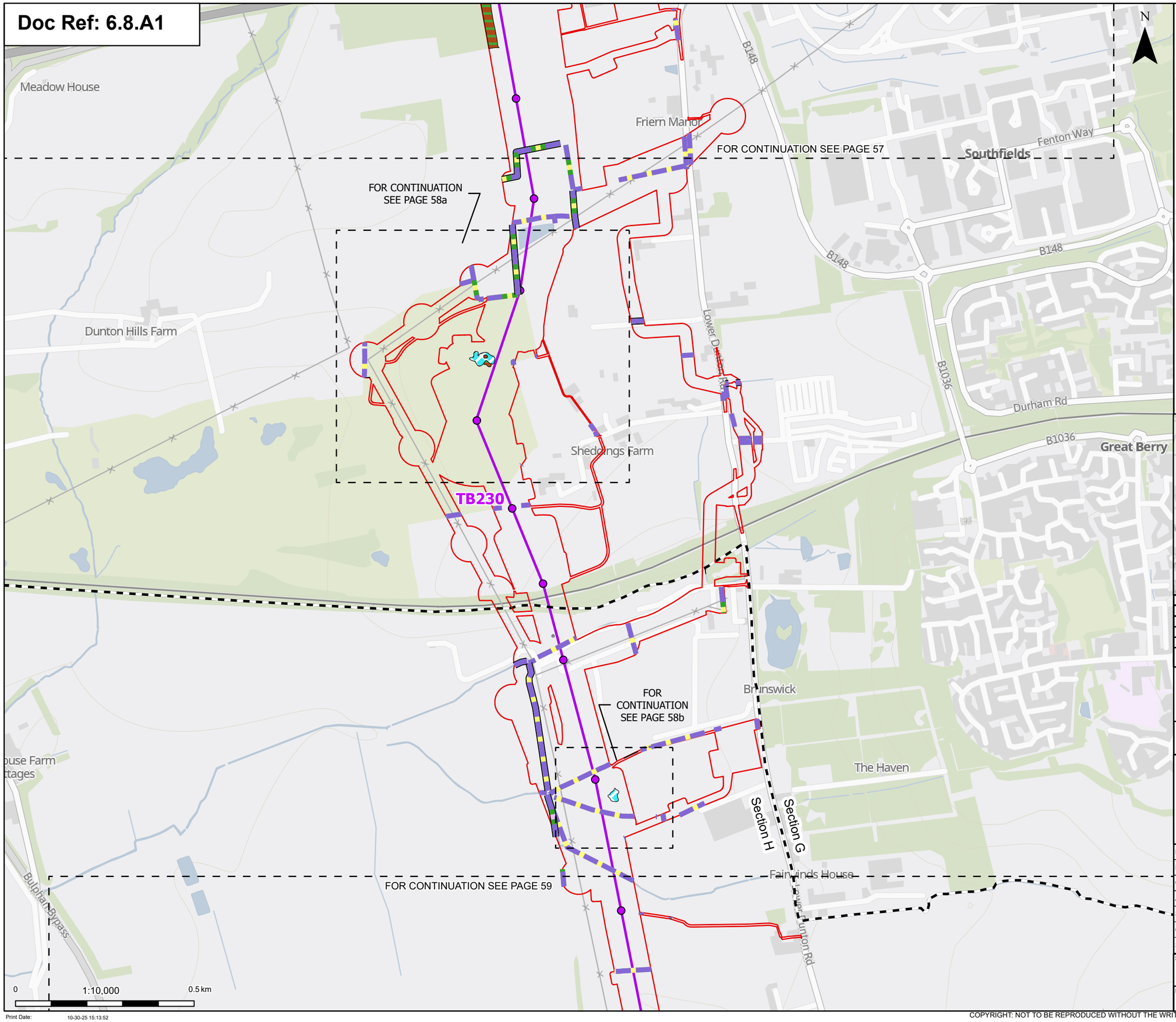
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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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

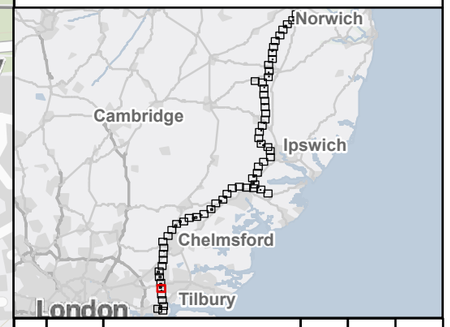
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Lowland mixed deciduous woodland
Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections G and H Page 58 of 63

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

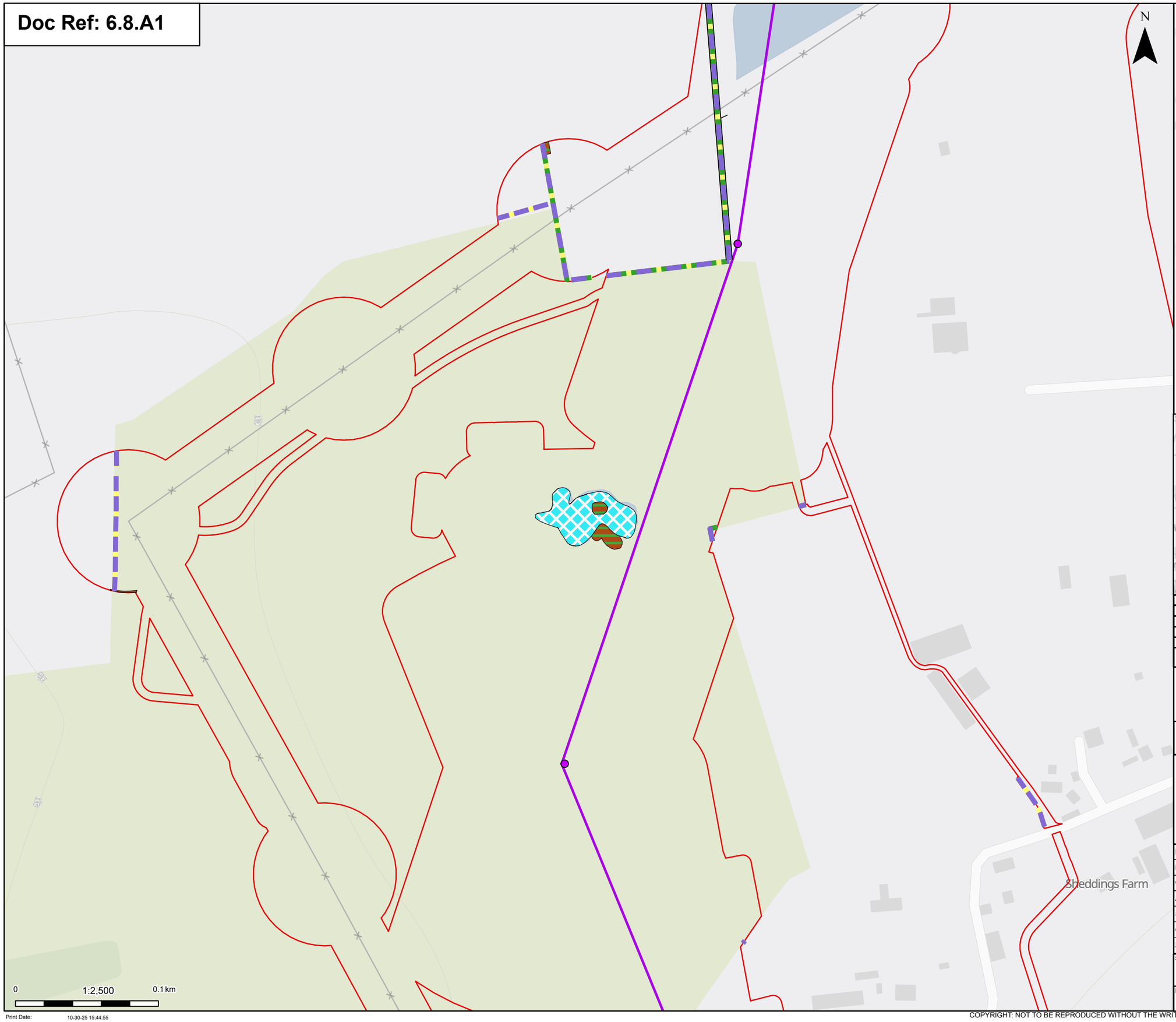
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Species-rich native hedgerow with trees

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section G
Page 58a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow with trees

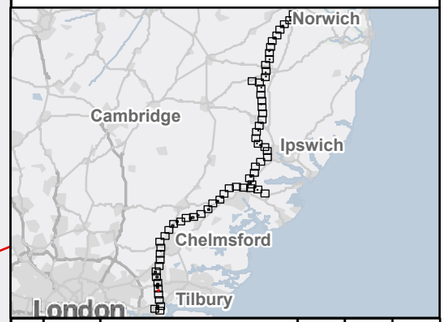
Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections G and H
Page 58b of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Approved	K. Burrows	Date	October 25
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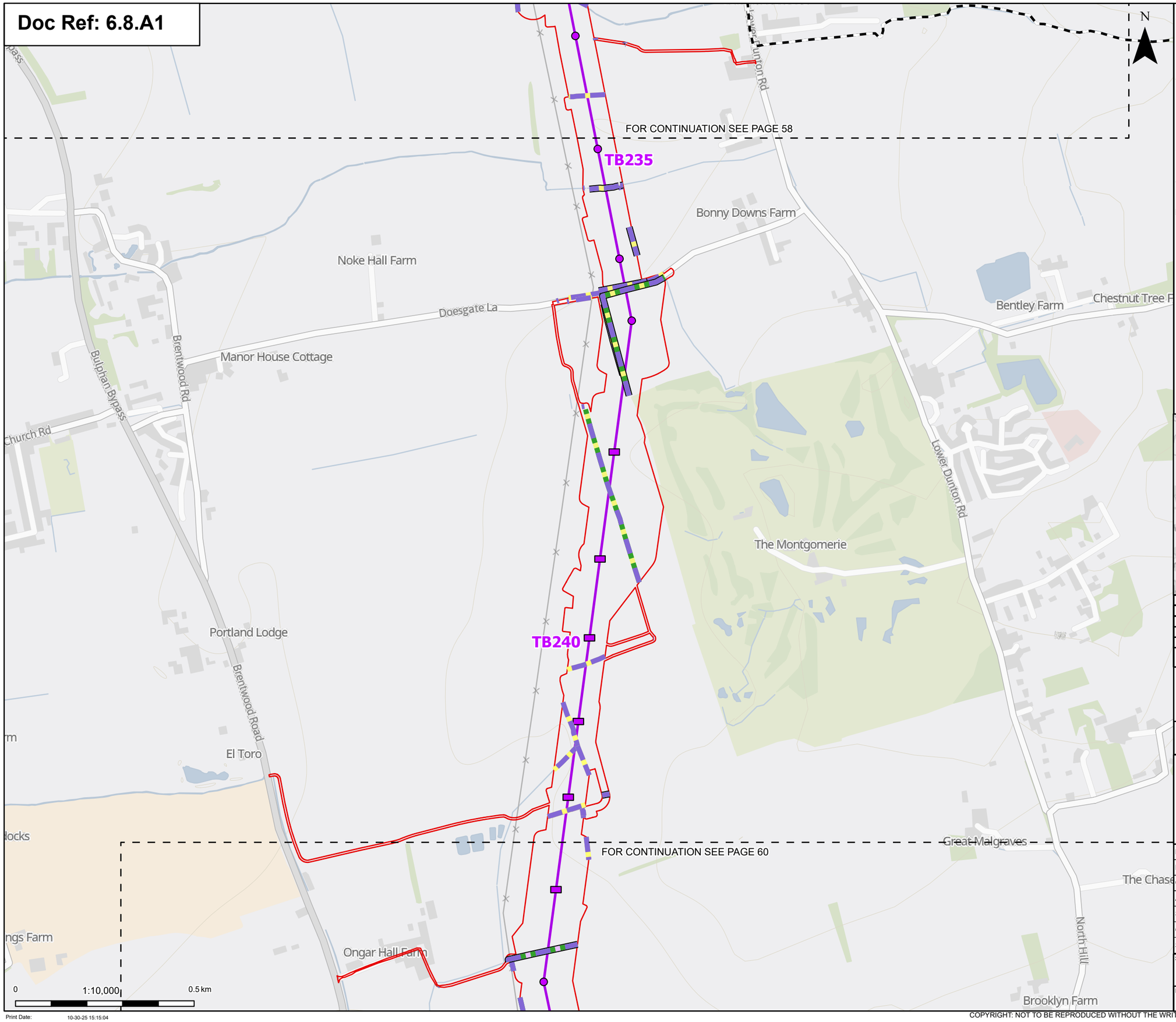
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Order limits
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Project section line

Proposed project design details

Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment

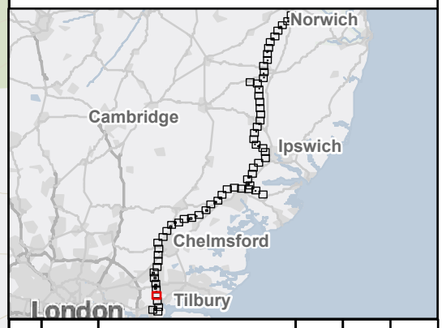
Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow with trees - associated with bank or ditch
Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Sections G and H
Page 59 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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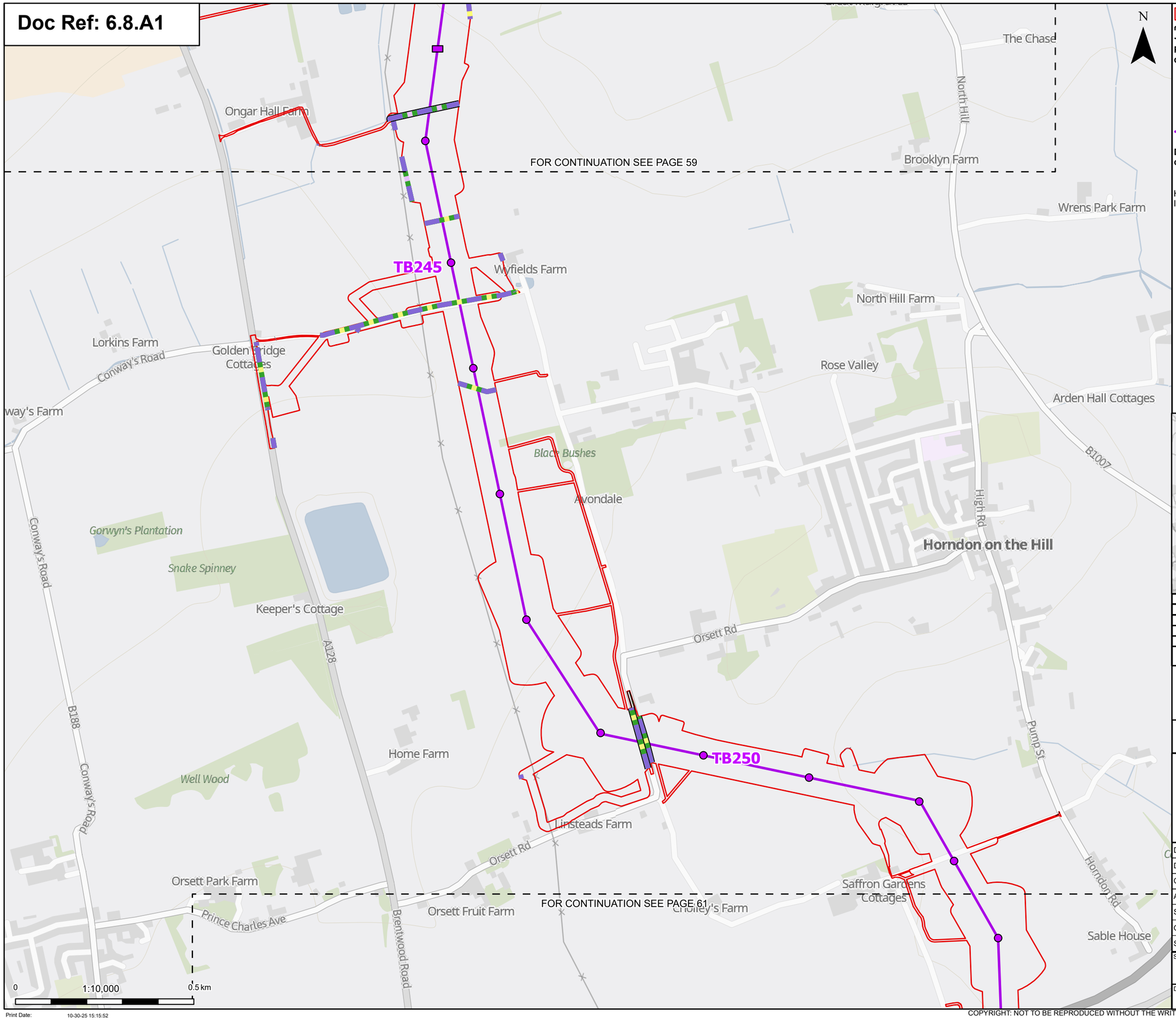
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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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

Discipline specific constraints

Habitats of Principal Importance (HPI)

Native hedgerow

Native hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

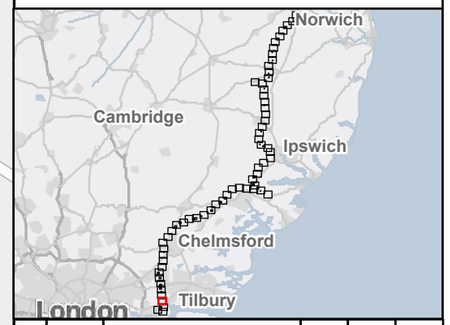
Species-rich native hedgerow with trees

Species-rich native hedgerow with trees - associated with bank or ditch

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section H
Page 60 of 63

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

Suitability Description:
Accepted as Concept Stage

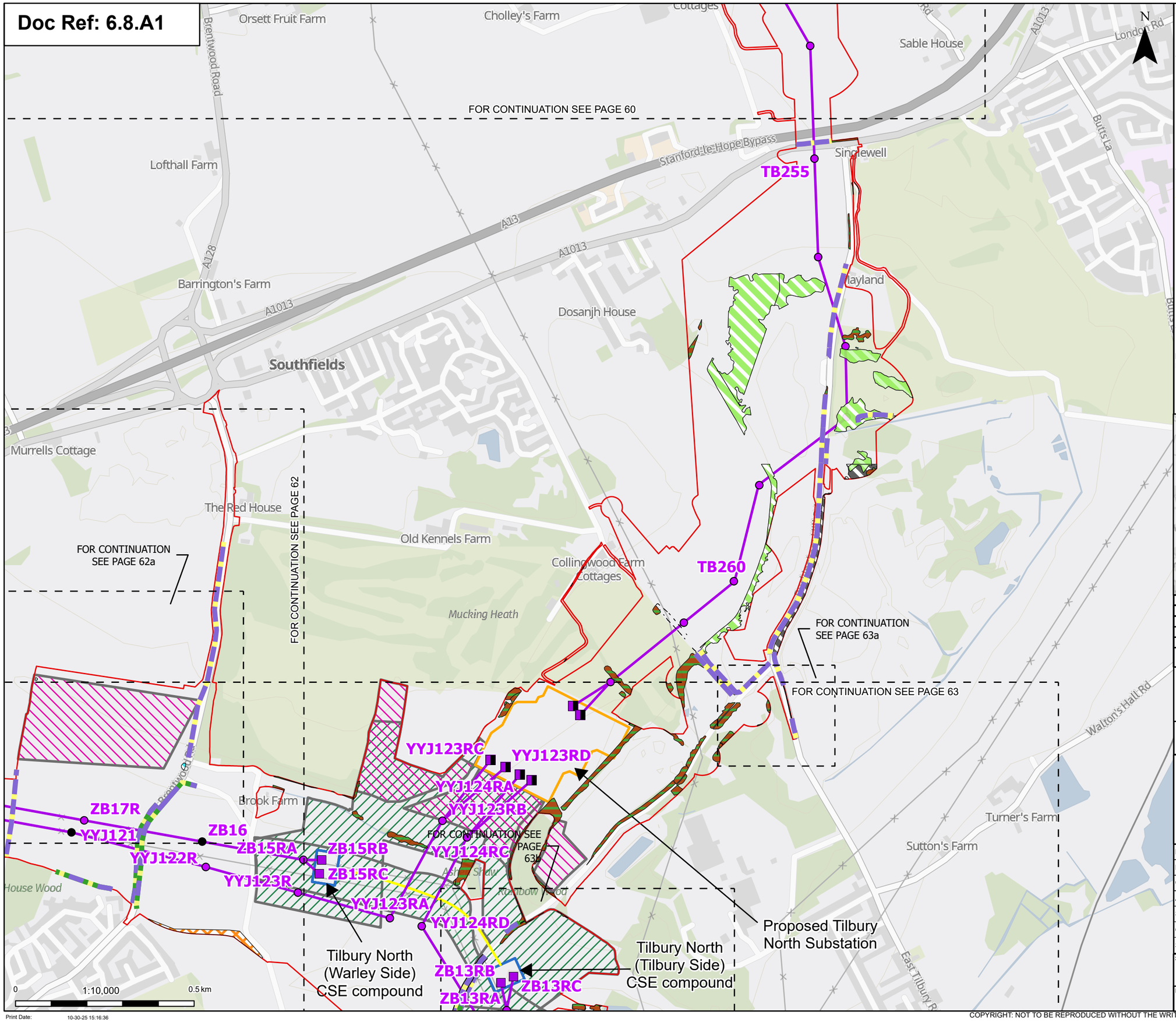
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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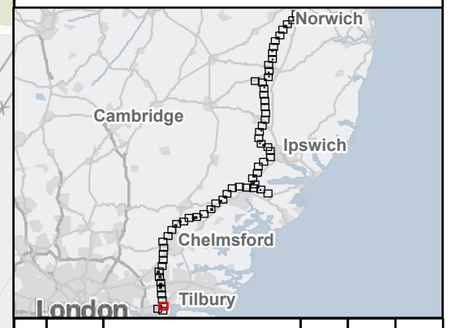
Proposed project design details
- Proposed full line tension gantry
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end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

Discipline specific constraints

Habitats of Principal Importance (HPI)
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Arable field margins pollen and nectar
- Lowland dry acid grassland
- Lowland meadow
- Lowland mixed deciduous woodland
- Open mosaic habitat on previously developed land
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:
Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section H
Page 61 of 63

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

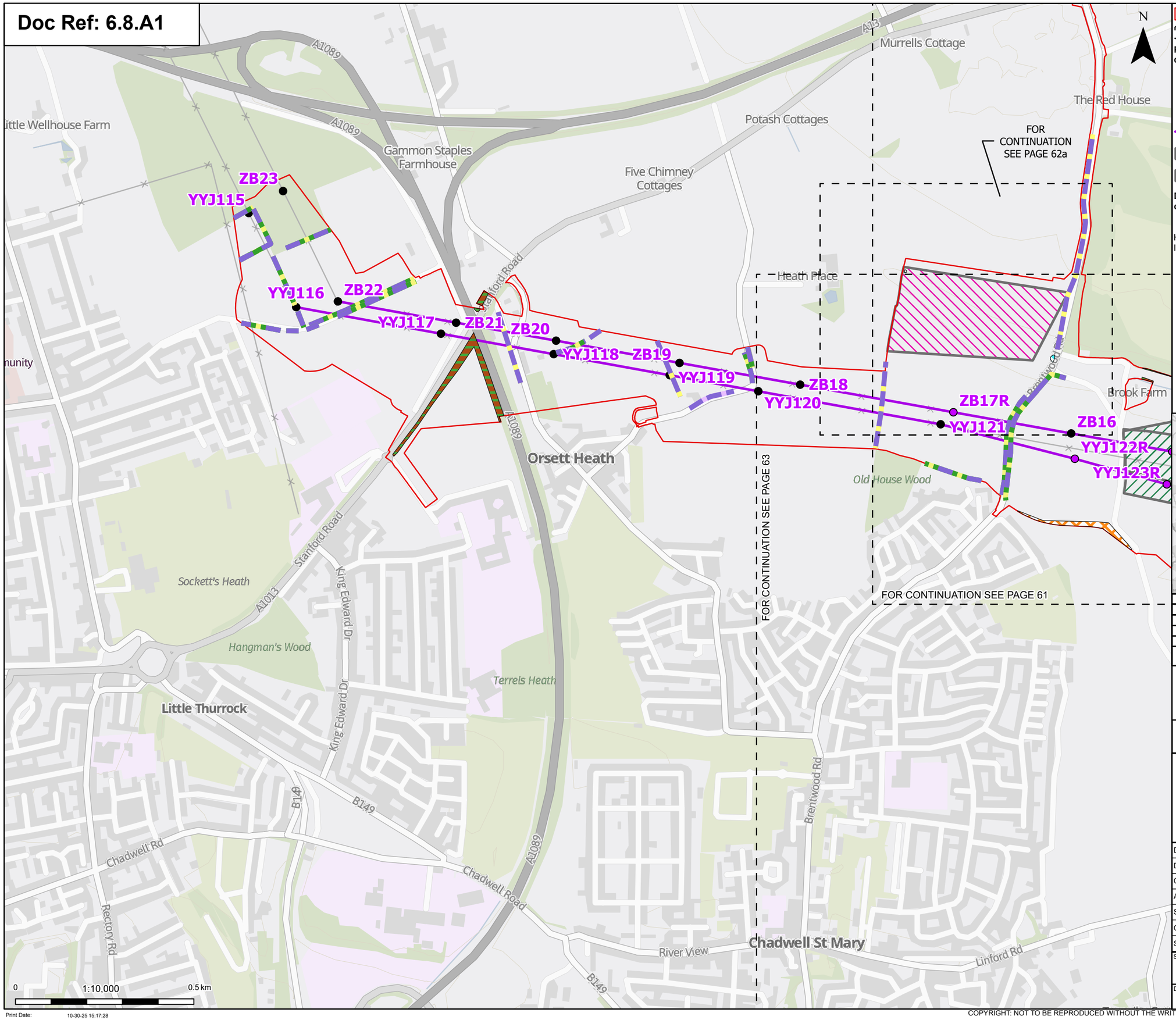
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335
Revision: B

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Order limits

Sheet index cutline

Proposed project design details

- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area
- Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow with trees
- Species-rich native hedgerow
- Arable field margins pollen and nectar
- Lowland mixed deciduous woodland
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI) Section H
Page 62 of 63

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

Suitability Description: Accepted as Concept Stage

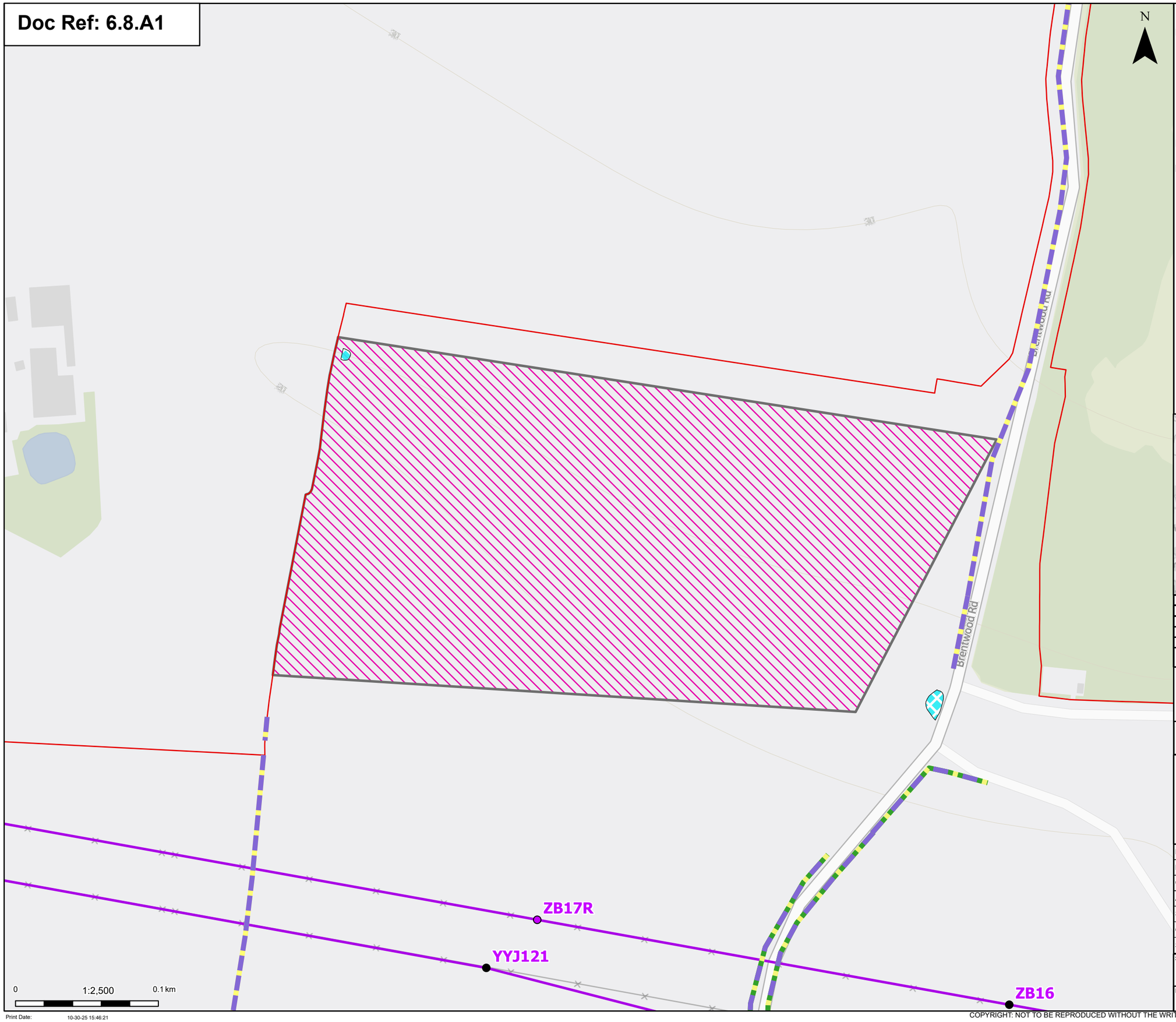
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Order limits

Proposed project design details

- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow with trees
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section H
Page 62a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Scale:	1:2,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

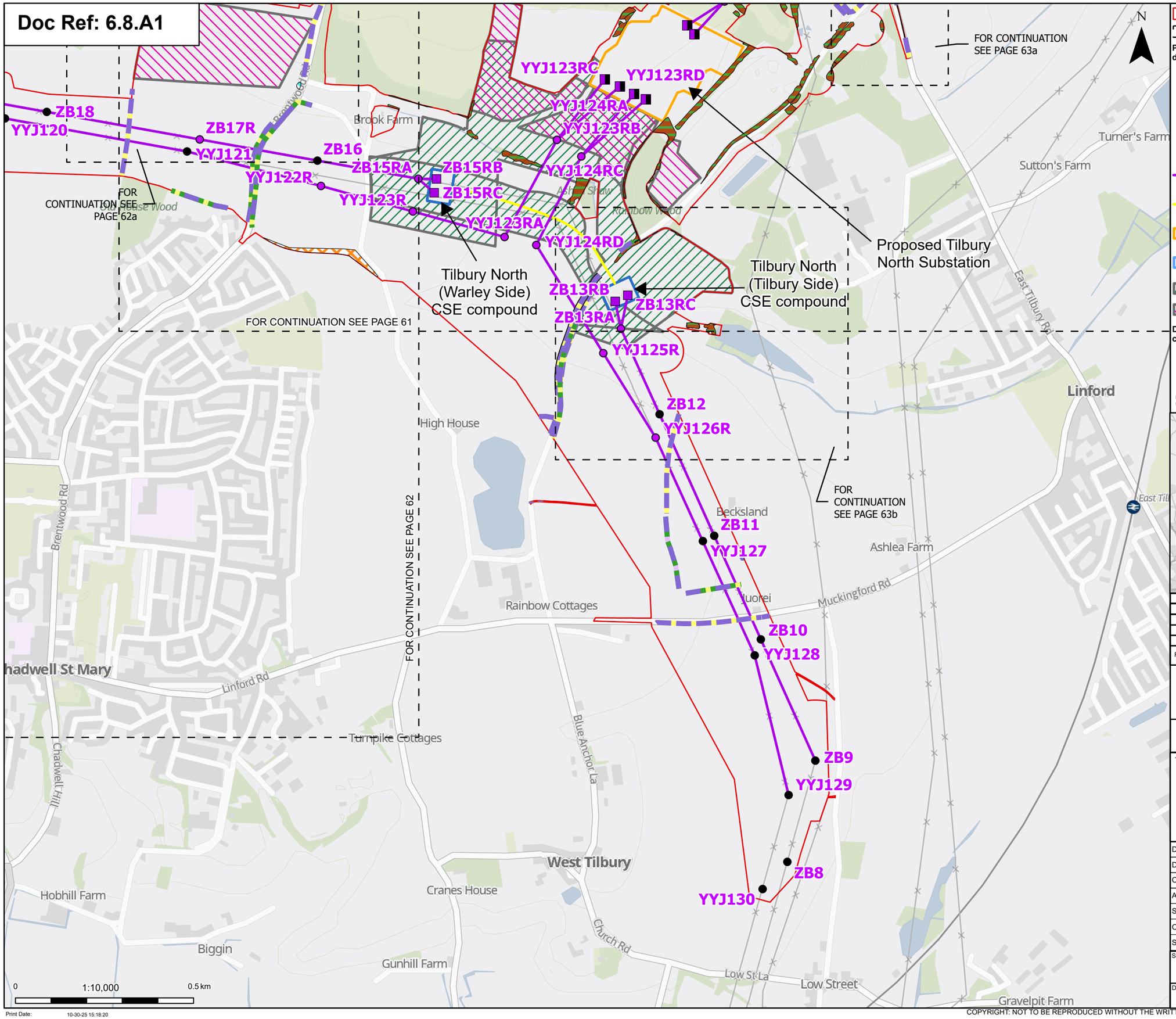
Suitability Description:
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Order limits
Sheet index cutline

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

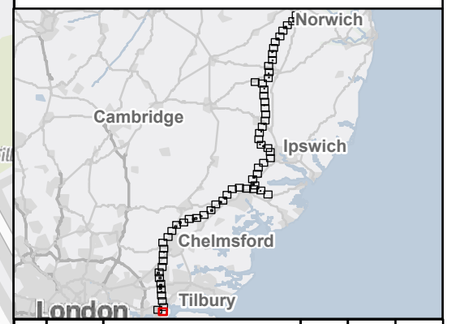
Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Species-rich native hedgerow with trees
- Arable field margins pollen and nectar
- Lowland mixed deciduous woodland
- Open mosaic habitat on previously developed land
- Ponds (priority habitat)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section H
Page 63 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



N

Order limits

Discipline specific constraints

Habitats of Principal Importance (HPI)

- Native hedgerow
- Lowland mixed deciduous woodland
- Open mosaic habitat on previously developed land

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section H
Page 63a of 63

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

Suitability Description:
Accepted as Concept Stage

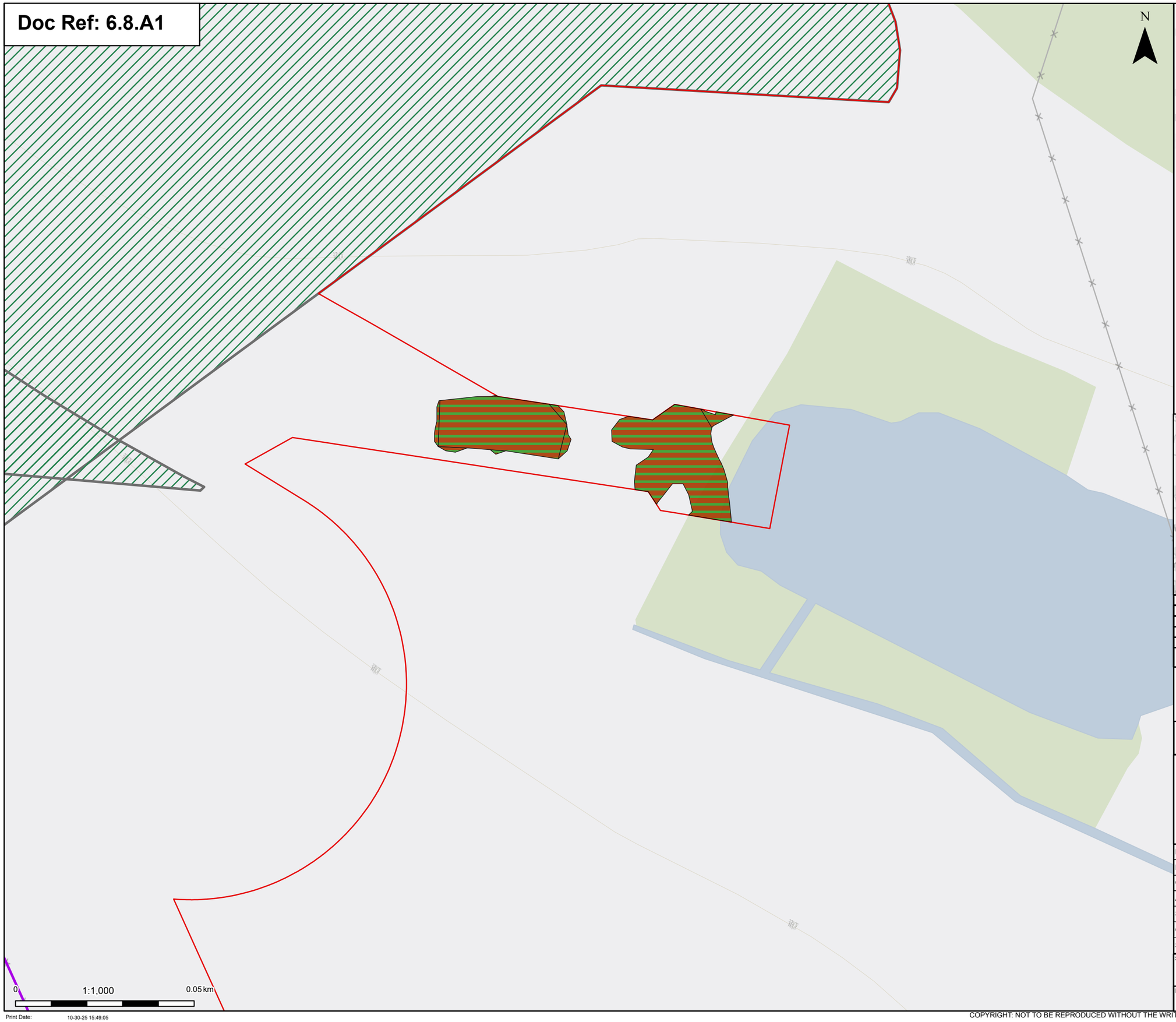
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

Revision: B

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Doc Ref: 6.8.A1



Print Date: 10-30-25 15:49:05

Order limits

Proposed project design details

Proposed overhead line alignment

Environmental area

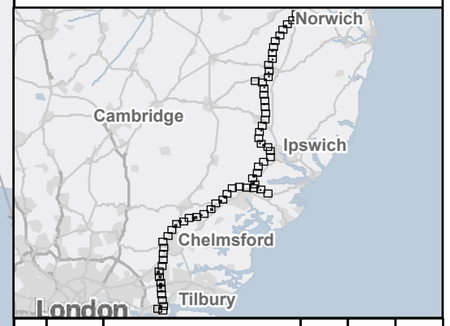
Discipline specific constraints

Habitats of Principal Importance (HPI)

Lowland mixed deciduous woodland

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	KF	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.2 - Ecology and Biodiversity - Habitats of Principal Importance (HPI)
Section H
Page 63b of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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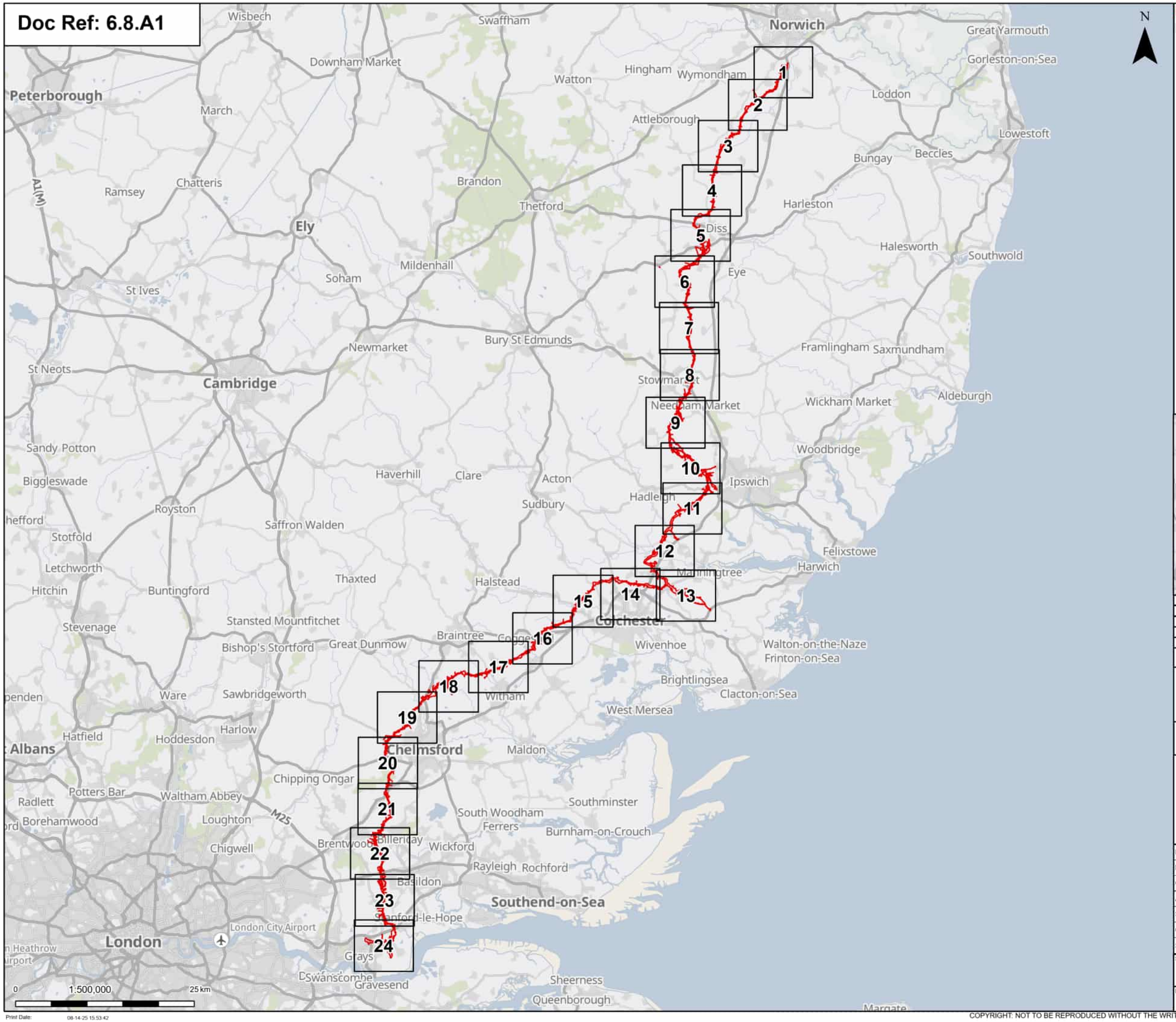
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00335

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Figure A8.1.3 - Ancient Woodland Locations

Doc Ref: 6.8.A1



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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations Overview

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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Scale:	1:500,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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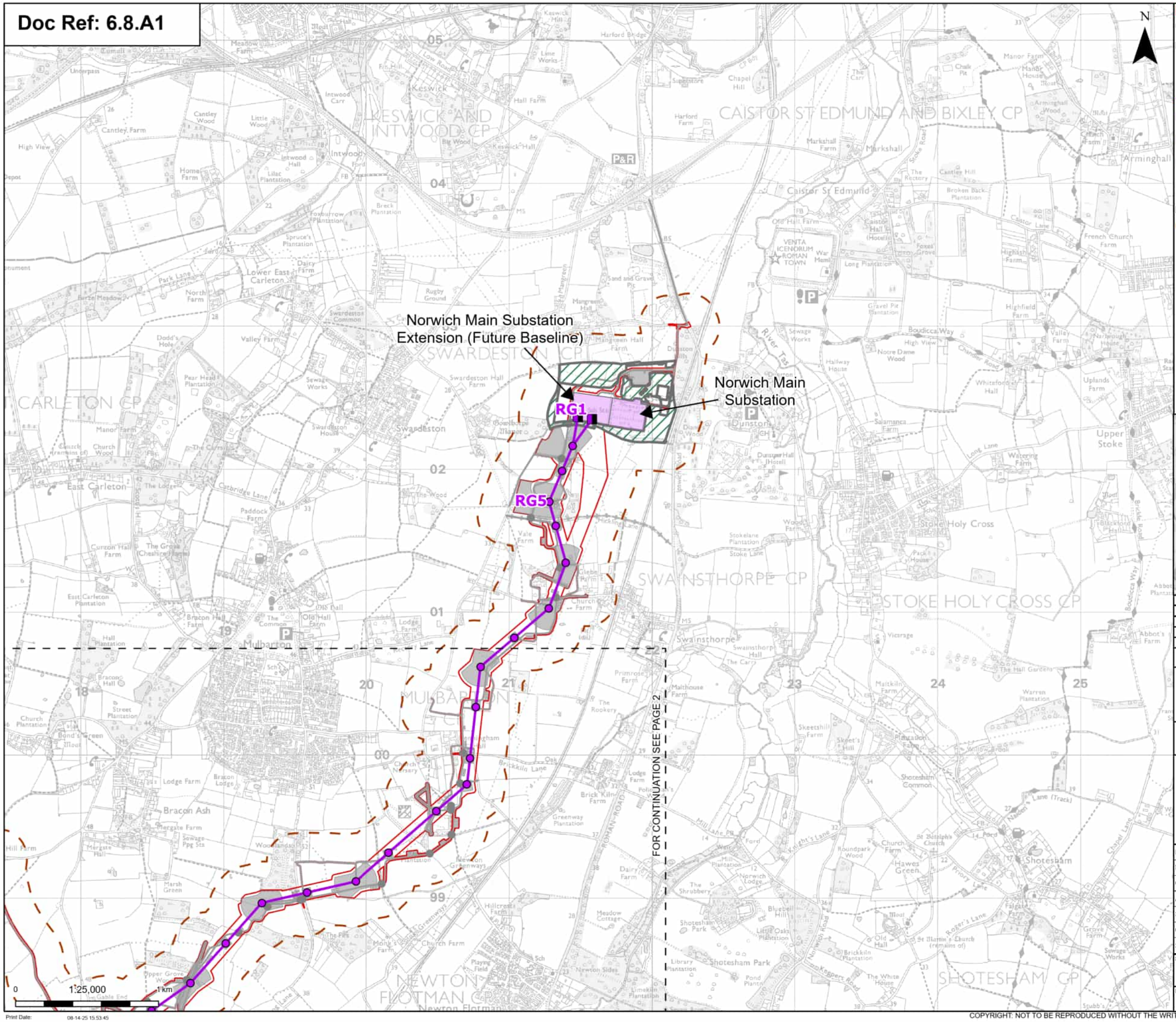
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Revision: A

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Doc Ref: 6.8.A1



N

Order limits
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
- 200 m Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 1 of 24

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

Suitability Description: Accepted as Concept Stage

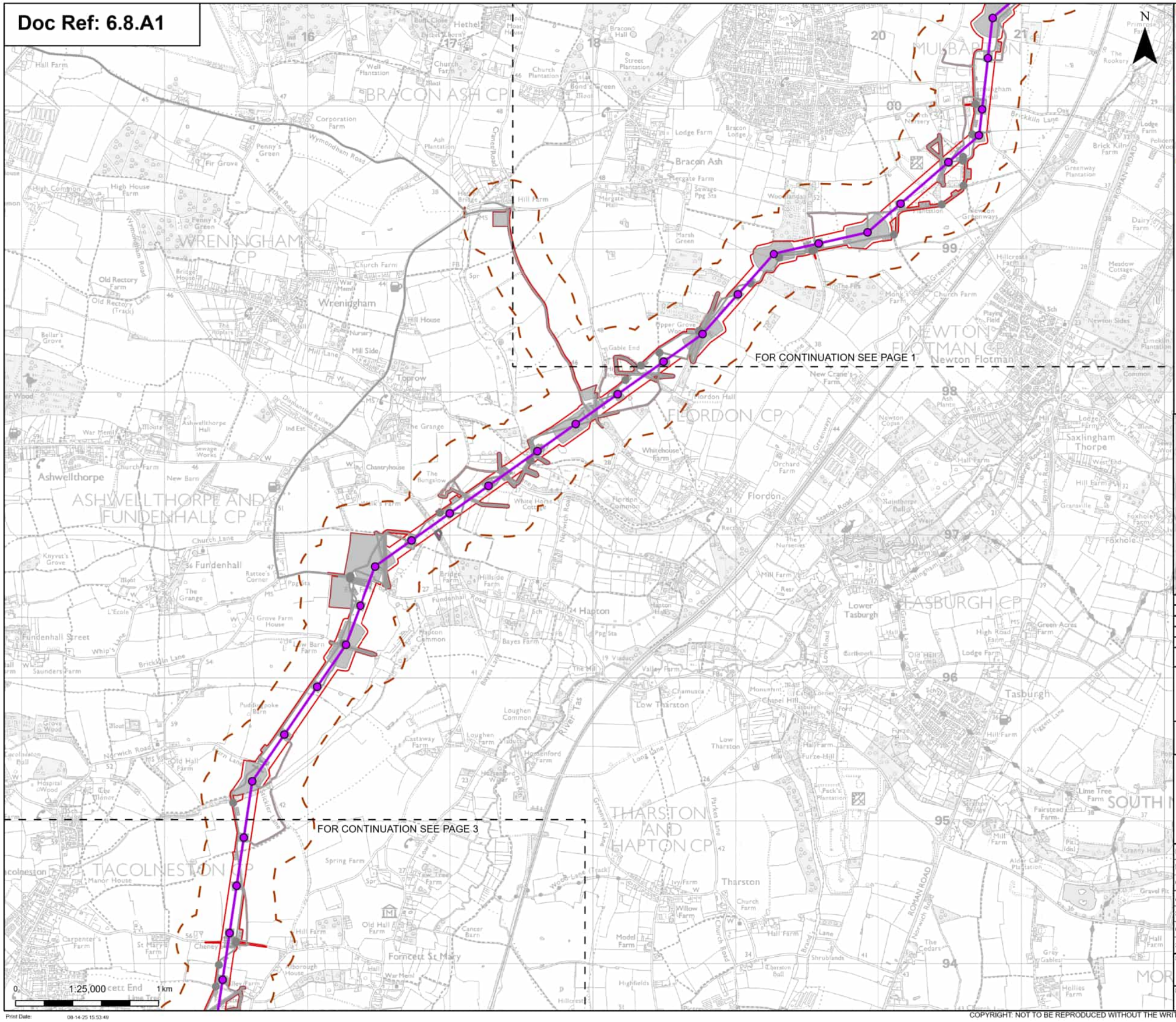
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Order limits

Sheet index cutline

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

200 m Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 2 of 24

Designed	A. Pinkney	Date	21 Aug 25
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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

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BUNWELL WOOD

FOR CONTINUATION SEE PAGE 2

FOR CONTINUATION SEE PAGE 4

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Order limits
Sheet index cutline

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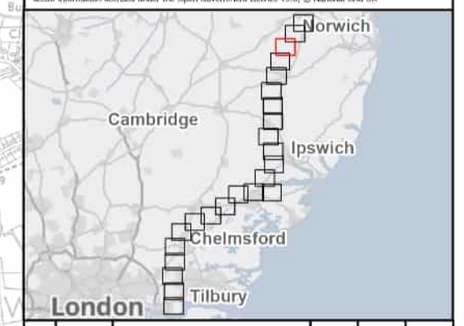
Proposed standard lattice pylon location
Proposed overhead line alignment
Other temporary and permanent construction and operational works

Discipline specific constraints

200 m Study Area
Ancient Woodland Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 3 of 24

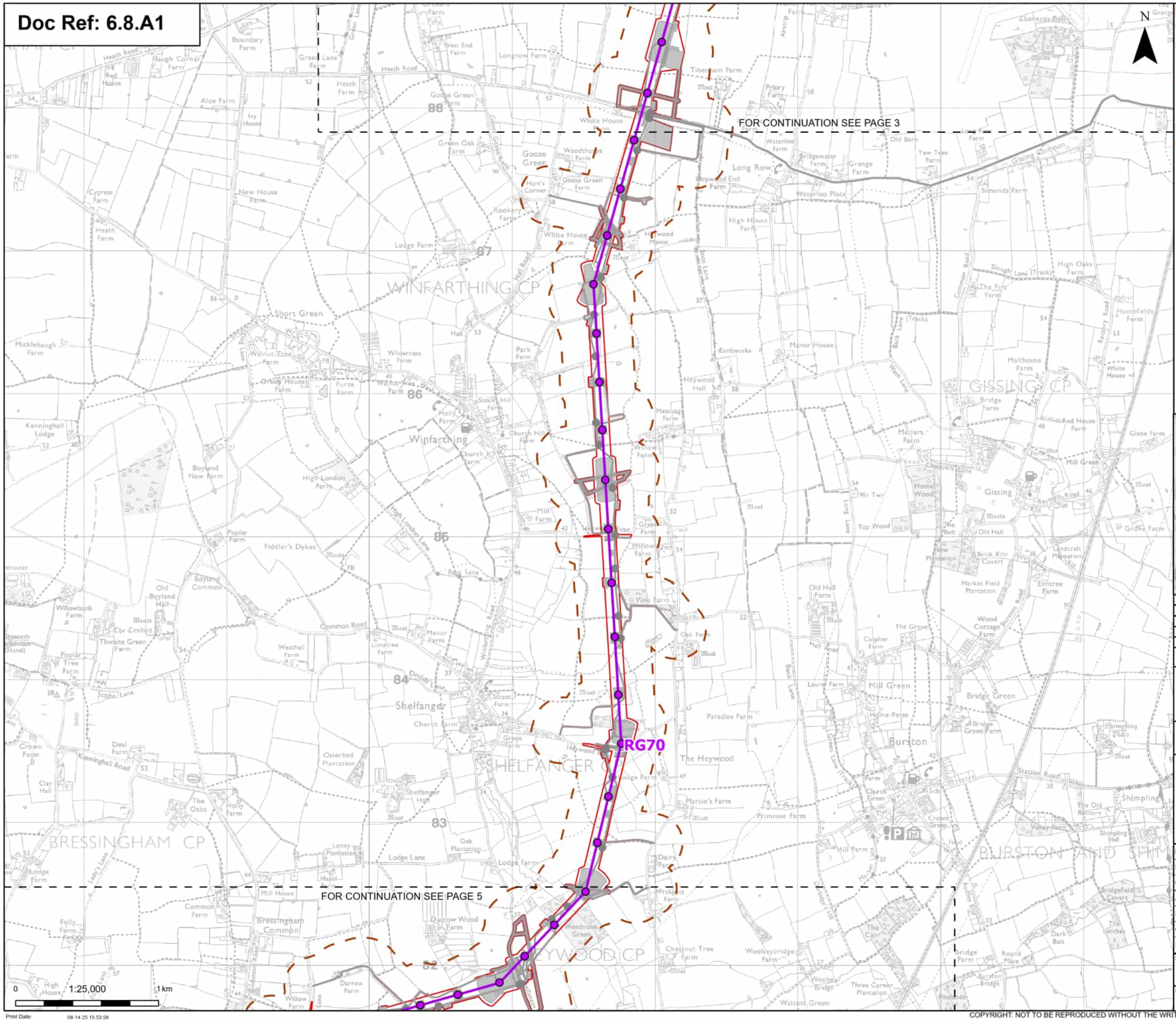
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Suitability Description: Accepted as Concept Stage

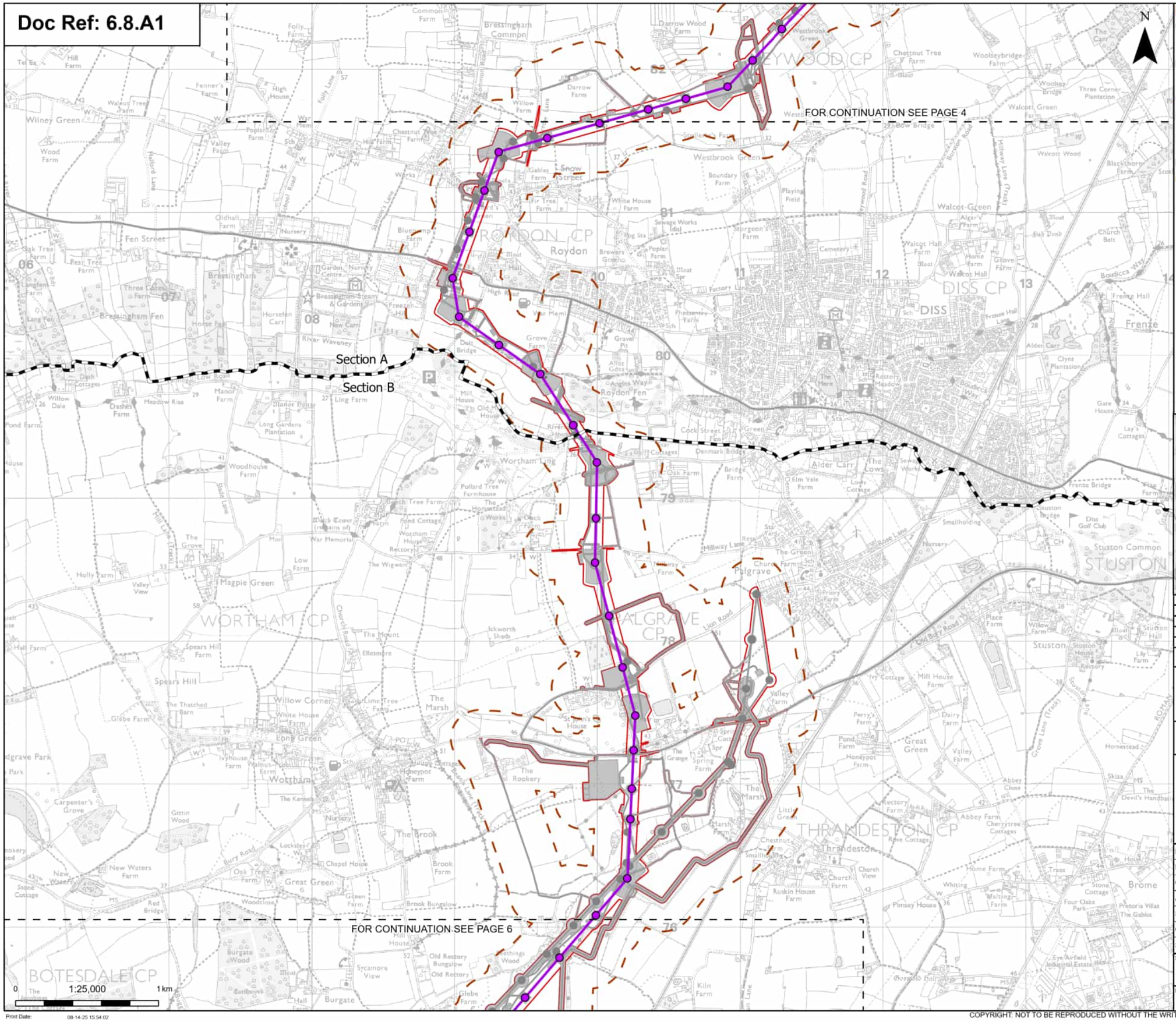
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FOR CONTINUATION SEE PAGE 3
FOR CONTINUATION SEE PAGE 5
CRG70
WINFARTHING CP
SHELFANGER CP
BRESSINGHAM CP
GISSING CP
BURSTON AND SHIMPLING CP
Winfarthing
Shelfanger
Burston
Gissing
Goose Green
Short Green
Bressingham Common
Mill Green
Bridge Green
Heywood Hall
Manor House
Primrose Farm
Martin's Farm
Paradise Farm
Woolseybridge Farm
Chestnut Tree Farm
Darrow Wood Farm
Darrow Farm
Westbrook Green
Waicott Green
Three Corner Plantation
Dairy Farm
Church Farm
Lodge Farm
Mill Farm
Hall Farm
Bridge Farm
Malthouse Farm
Manor Farm
Oak Farm
Vine Farm
Green Farm
Willow Farm
Messing Farm
Park Farm
Earthworks
Moat
Pond
Wr Twr
Fb
Sch
Church
Hall
Mill
Bridge
Ford
Meeting House
Post Office
Public House
Petrol Station
Tourist Information Centre
Place of Worship
Cemetery
Camping Site
Caravan Site
Golf Course
Recreation Ground
Theatre
Museum
Library
Community Centre
Fire Station
Police Station
Bus Station
Hospital
Surgery
Toilet
Shop
Information
Park
Viewpoint
Tumulus
Roman Road
Roman Camp
Castle
Historic Battlefield
Fort
Boundary Stone
Windmill
Wind Pump
Water Tower
Pumping Station
Telephone Exchange
Heath Road
Green Lane
Boundary Farm
Haugh Corner Farm
Red House
Aloe Farm
Ivy House
Heath Farm
Goose Green Farm
White House
Woodthorpe Farm
Green Oak Farm
Hart's Corner
Rookery Farm
Cypress Farm
New House Farm
Lodge Farm
Hell Road
Micklehaugh Farm
Kenninghall Lodge
Walnut Tree Farm
Green House Farm
Furze Farm
Wilderness Farm
Holly Farm
Stock Hill Farm
Church Hill Farm
Boyland New Farm
High London Farm
Poplar Farm
Fiddler's Dykes
Old Boyland Hall
Willowbank Farm
Thwaite Green Farm
Poplar Tree Farm
Limetree Farm
Westhall Farm
Crest Farm
Osierbed Plantation
Crown Farm
Desl Farm
Clay Hall
The Oaks
Holly Farm
Loney Plantation
Oak Plantation
Hazel
Folly Farm
Common Farm
Mill House
Willow Farm
Darrow Farm
Chanons Hall
Abrahams Farm
Tiberham Farm
Priory Farm
Waterloo Farm
Bridgewater Farm
Grange Farm
Old Barn
Yew Tree Farm
Heywood End Farm
Waterloo Place
Long Row
Simonds Farm
Gissing Common
High House Farm
Heywood Manor
Boot Lane
Common Road
Slough Lane (Track)
The Firs Farm
High Oaks Farm
Homefields Farm
Rectory Road
Back Lane (Track)
Malthouse Farm
White House
Red House Farm
Glebe Farm
Mariers Farm
Cheavers Lane
Home Wood
Top Wood
Old Hall
Brick Kiln Covert
Market Field Plantation
Elmtree Farm
Wood Cottage Farm
The Grove
Culpher Farm
Laurel Farm
Home Farm
Bridge Green Farm
Shimpling Place
Station Road
The Old Rectory
Shimpling Hall
Hill Farm
Bridgefield Covert
Dark Belt
Round Place
Burston Bridge
Grove Farm
Lodge Lane
Back Lane
Green Lane
Church Lane
Hell Road
Common Road
Limetree Road
Windmill Road
Burston Road
Station Road
Recovery Road
Slough Lane (Track)
Back Lane (Track)
Beck Lane (Track)
Green Lane (Track)
Church Lane (Track)
Lodge Lane (Track)
Scole Lane
Kenninghall Road
Ladys Lane
Bressingham Common Road
Willow Lane
Long Lane
Wash Lane
Chequers Lane
Mill Green
Gissing Road
Rectory Road
Audrey End
Dark Belt
Hill Road
Back Lane
Green Lane (Track)
Church Lane (Track)
Lodge Lane (Track)
Beck

Doc Ref: 6.8.A1


FOR CONTINUATION SEE PAGE 4
Section A
Section B
FOR CONTINUATION SEE PAGE 6
ROYDON CP
DISS CP
WORTHAM CP
PALGRAVE CP
THRANDESTON CP
STUSTON
BOTESDALE CP
Roydon
DISS
Palgrave
Thrandeston
Wortham
Stuston
Walcot Green
Bressingham
Bressingham Fen
Roydon Fen
Great Green
Frenze
Brome
Westbrook Green
Wilney Green
Spears Hill
Fen Street
Cock Street
Snow Street
Lion Road
Old Bury Road
Mill Hill
Mill Lane
Fair Green
Valley Farm
Mill House Farm
Dairy Farm
Great Green
Abbey Farm
Rectory Farm
Church Farm
Ruskin House Farm
Pimsey House
Place Farm
Stuston House
Stuston Hall
Lily Farm
Pond Farm
Honeypot Farm
Spring Farm
The Grange
The Rookery
The Marsh
Litty Green
Abbey Close
Cherrytree Cottages
Rose Cottage
Home Farm
Whiting
Malting Farm
Four Oaks Park
Pretoria Villas
The Gables
Brook Farm
Brook Bungalow
Chapel House
Nursery
Woodcock
Red Bridge
Gittin Wood
Burgate Wood
Sycamore View
Old Rectory Bungalow
Old Rectory
Methings Wood
Kiln Farm
Glebe Farm
Burgate
Hall Farm
Ickworth Sheds
Stone Cottage
New Waters Farm
Carpenter's Grove
Ivyhouse Farm
Walnut Tree Farm
Honeypot Farm
Long Green
Willow Corner
White House Farm
Glebe Farm
The Thatched Barn
Lime Tree Farm
The Marsh
Spears Hill Farm
Ellesmere
The Mount
Holly Farm
Valley View
Magpie Green
Low Farm
The Wigwam
The Grove
Pond Cottage
Wortham House
Rectory
Church Tree Farm
Hill House

Doc Ref: 6.8.A1

FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 7

RG120

RG125

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Proposed project design details

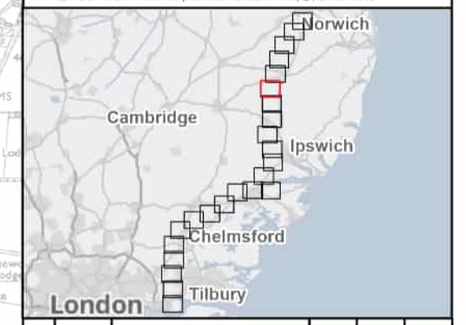
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 6 of 24

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

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00336

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RG1250

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 8

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Print Date: 08-14-25 15:54:11

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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

- 200 m Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 7 of 24

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

Suitability Description: Accepted as Concept Stage

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FOR CONTINUATION SEE PAGE 7

FOR CONTINUATION SEE PAGE 9

RG155

KEYFIELD GROVES

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Print Date: 08-14-25 15:54:16

- 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

- 200 m Study Area
- Ancient Woodland Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Regulation 5(2)(a)&(I)(ii)

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 8 of 24

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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KEYFIELD GROVES

FOR CONTINUATION SEE PAGE 8

LITTLE NEWTON WOOD

GREAT NEWTON WOOD

LOWER WOOD

MIDDLE WOOD

FOR CONTINUATION SEE PAGE 10

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Print Date: 08-14-25 15:54:20

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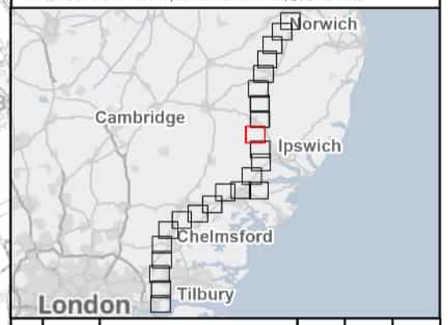
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Regulation 5(2)(a)&(I)(ii)

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 9 of 24

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

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00336

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Doc Ref: 6.8.A1

MIDDLE WOOD

FOR CONTINUATION SEE PAGE 9

Section B

Section C

SOMERSHAM PARK

MILLERS WOOD

BULLEN WOOD

RG210

JC1

JC5

JC15

Bramford Substation

Proposed substation extension

ELM'S GROVE

ROUND WOOD

BURSTALL LONG WOOD

FOR CONTINUATION SEE PAGE 11

0 1:25,000 1 km

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

N

- 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

- 200 m Study Area
- Ancient Woodland Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 10 of 24

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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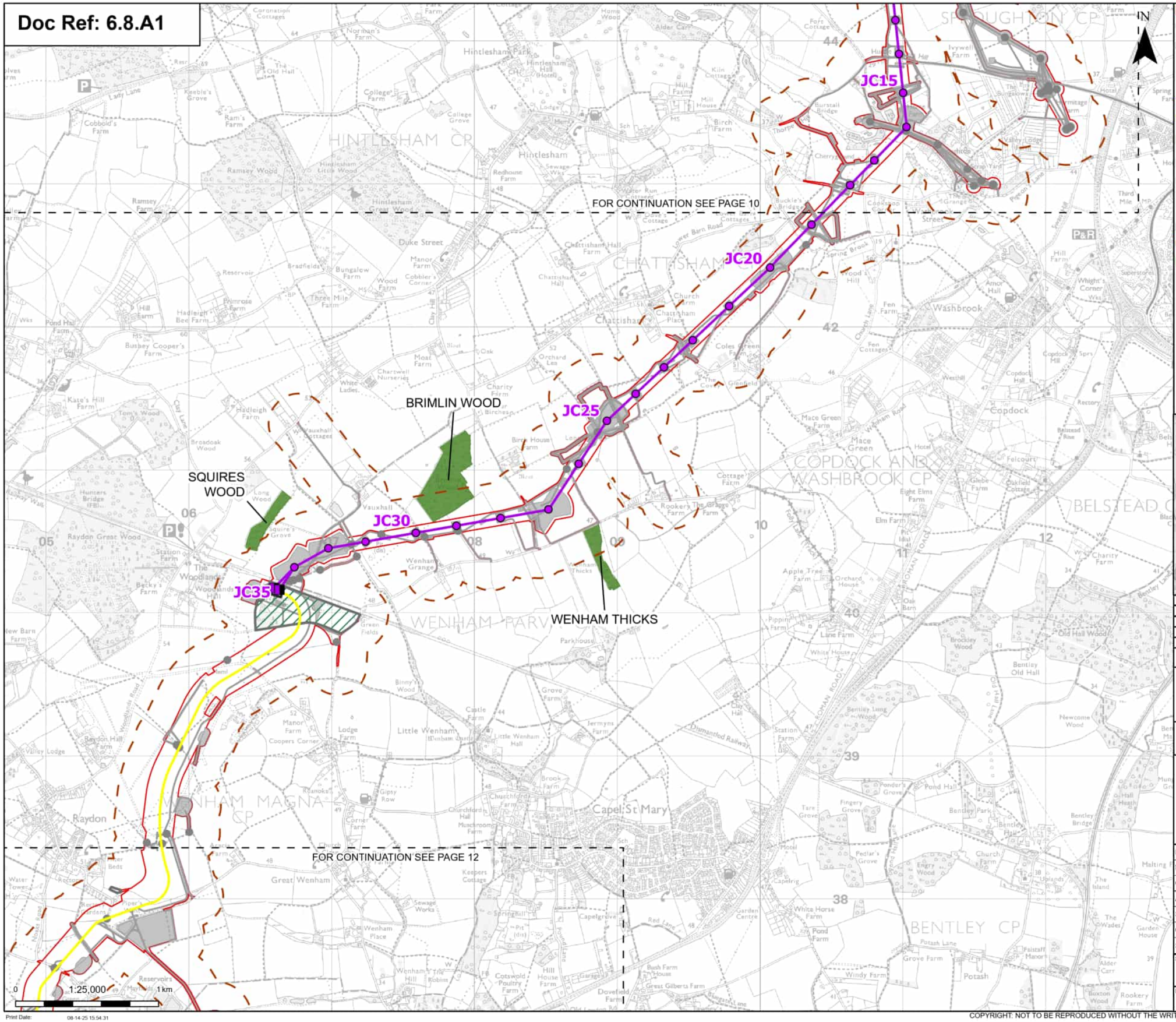
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00336

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JC15
JC20
JC25
JC30
JC35
BRIMLIN WOOD
SQUIRES WOOD
WENHAM THICKS
FOR CONTINUATION SEE PAGE 10
FOR CONTINUATION SEE PAGE 12
HINTLESHAM CP
CHATTISHAM CP
COPDOCK AND WASHBROOK CP
BELSTEAD CP
BENTLEY CP
WENHAM PARVA CP
WENHAM MAGNA CP
SPROUGHTON CP
Hintlesham
Chattisham
Washbrook
Copdock
Capel St Mary
Little Wenham
Great Wenham
Raydon
Duke Street
Lower Barn Road
Woodhall Road
Dismantled Railway
Lane Farm
Old Hall Wood
Bentley Old Hall
Bentley Park
Bentley Hall
Pond Hall
Bentley Bridge
Bentley Long Wood
Newcome Wood
Brockley Wood
Grove Farm
Jermyns Farm
Castle Farm
Manor Farm
Lodge Farm
Wenham Hill
Wenham Place
Wenham Grange
Cotswold Poultry Farm
Hill House Farm
Bush Farm
Great Gilberts Farm
Dovefield Farm
Churchford Hall
Churchford Farm
Brook Farm
Gipsy Row
Corner Farm
Keepers Cottage
Sewage Works
Springhill
Capelgrove
Red Lane
Potash Lane
Potash
Windy Farm
Faistaff Manor
Grove Farm
Pond Farm
White Horse Farm
Elm Farm
Eight Elms Farm
Apple Tree Farm
Orchard House
Oak Barn
Pippins Farm
Lane Farm
White House
Brockley Wood
Old Hall Wood
Bentley Old Hall
Bentley Long Wood
Newcome Wood
Bentley Park
Bentley Hall
Pond Hall
Bentley Bridge
Ponder's Grove
Fingery Grove
Tare Grove
Pedlar's Grove
Capelrig
Engry Wood
Church Farm
The Island
The Wades
Garden House
Alder Carr
Rookery Farm
Buxton Wood
Windy Farm
Potash
Grove Farm
Faistaff Manor
Bentley Bridge
Malting Farm
Hall Heath
Pond Hall
Bentley Park
Bentley Hall
Church Farm

Doc Ref: 6.8.A1

Trenchless Crossing: Higham Road

Trenchless Crossing: River Stour (north part)

Trenchless Crossing: River Stour (south part)

Trenchless Crossing: A12 highway crossing

FOR CONTINUATION SEE PAGE 11

FOR CONTINUATION SEE PAGE 14

FOR CONTINUATION SEE PAGE 13

Section C
Section D

0 1:25,000 1 km

Print Date: 08-14-25 15:54:36

N

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed underground cable alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 12 of 24

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	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

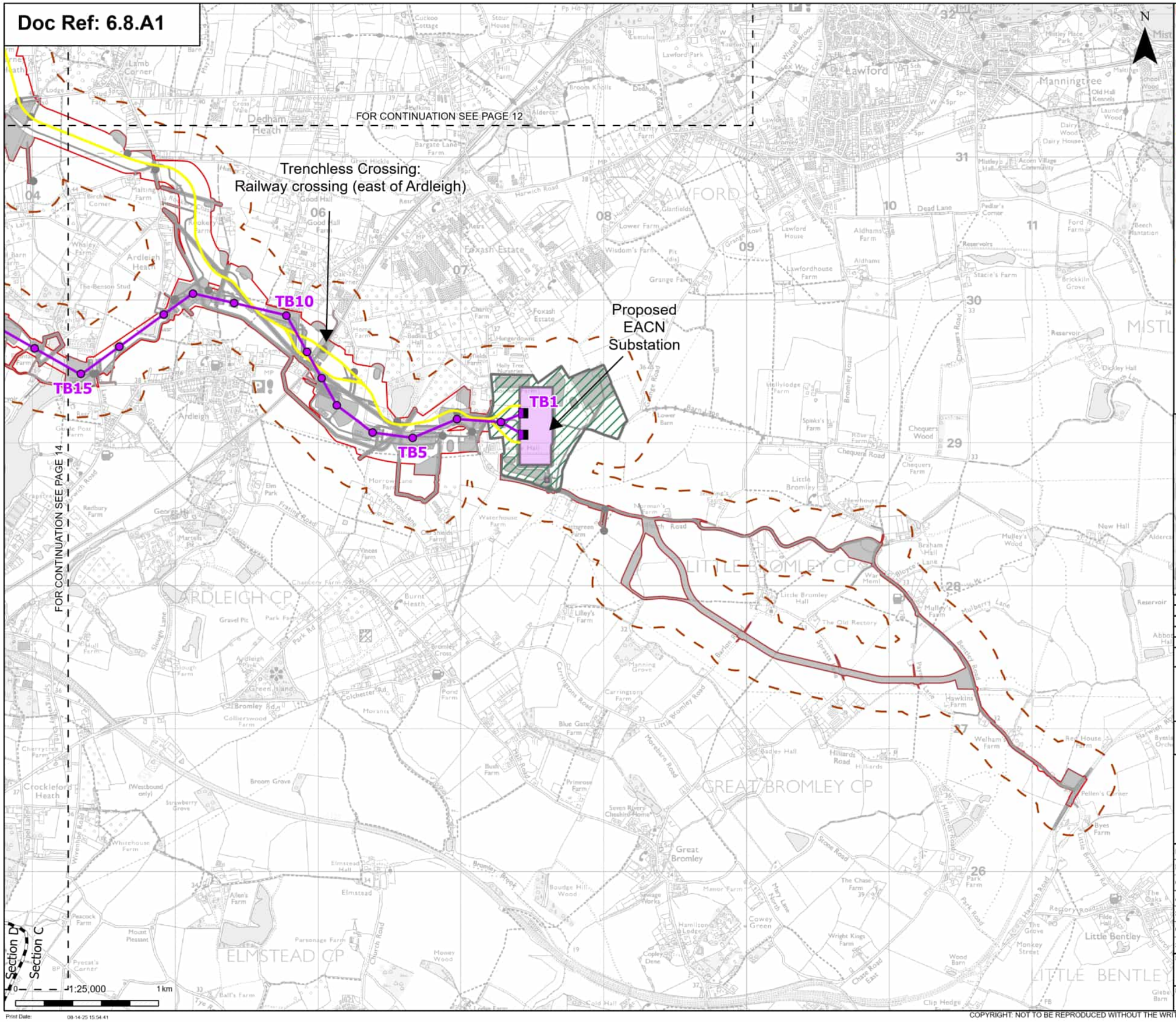
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00336

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Doc Ref: 6.8.A1



- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

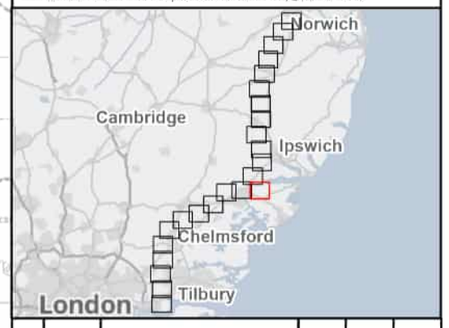
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed DNO Substation
- Proposed East Anglia Connection Node (EACN) Substation
- Environmental area
- Other temporary and permanent construction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

Discipline specific constraints

- 200 m Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 13 of 24

Designed	A. Pinkney	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00336

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HARROW WOOD

TB30

TB25

TB20

Trenchless Crossing: A12 highway crossing

Section C
Section D

FOR CONTINUATION SEE PAGE 12

FOR CONTINUATION SEE PAGE 15

FOR CONTINUATION SEE PAGE 13

N

0 1:25,000 1 km

Print Date: 08-14-25 15:54:46

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

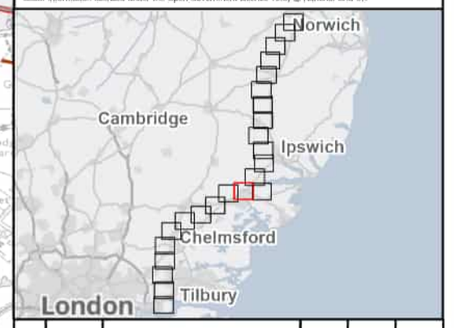
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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Designed	A. Pinkney	Date	21 Aug 25
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TB35

TB40

TB45

TB50

TB55

TB60

FIDDLER'S WOOD

CHURCH HOUSE WOOD

ALDAMHALL WOOD

STONEFIELD STRIP

FOR CONTINUATION SEE PAGE 16

FOR CONTINUATION SEE PAGE 14

0 1:25,000 1 km

Print Date: 08-14-25 15:54:50

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- Order limits
- Sheet index cutline

Proposed project design details

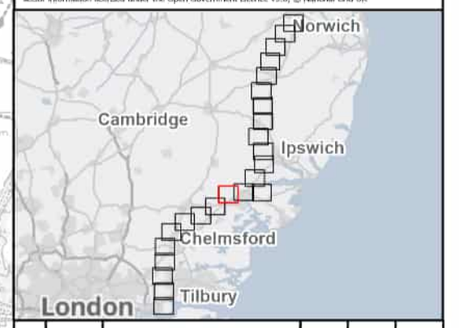
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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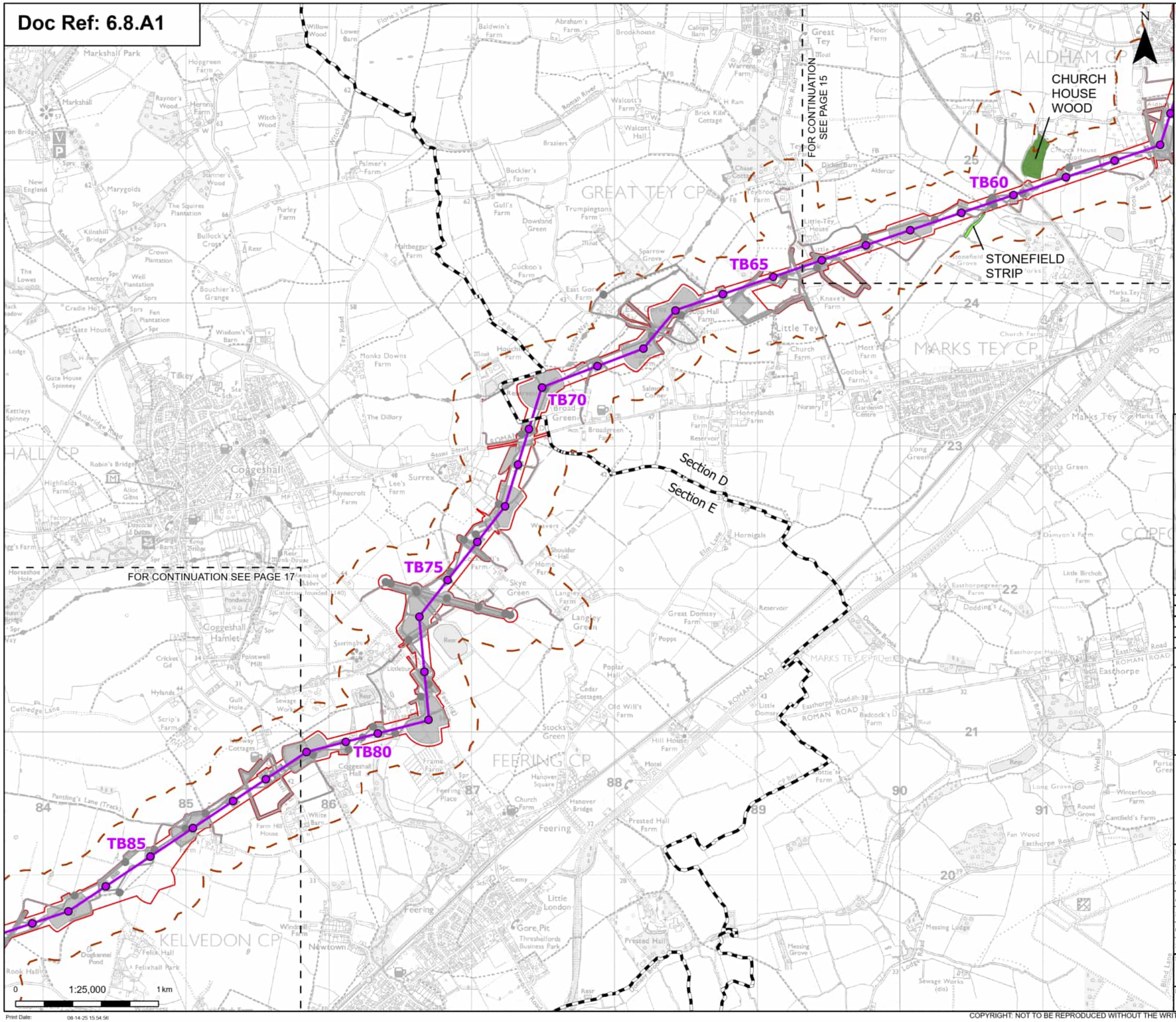
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00336 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

- 200 m Study Area
- Ancient Woodland Sites
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 16 of 24

Designed	A. Pinkney	Date	21 Aug 25
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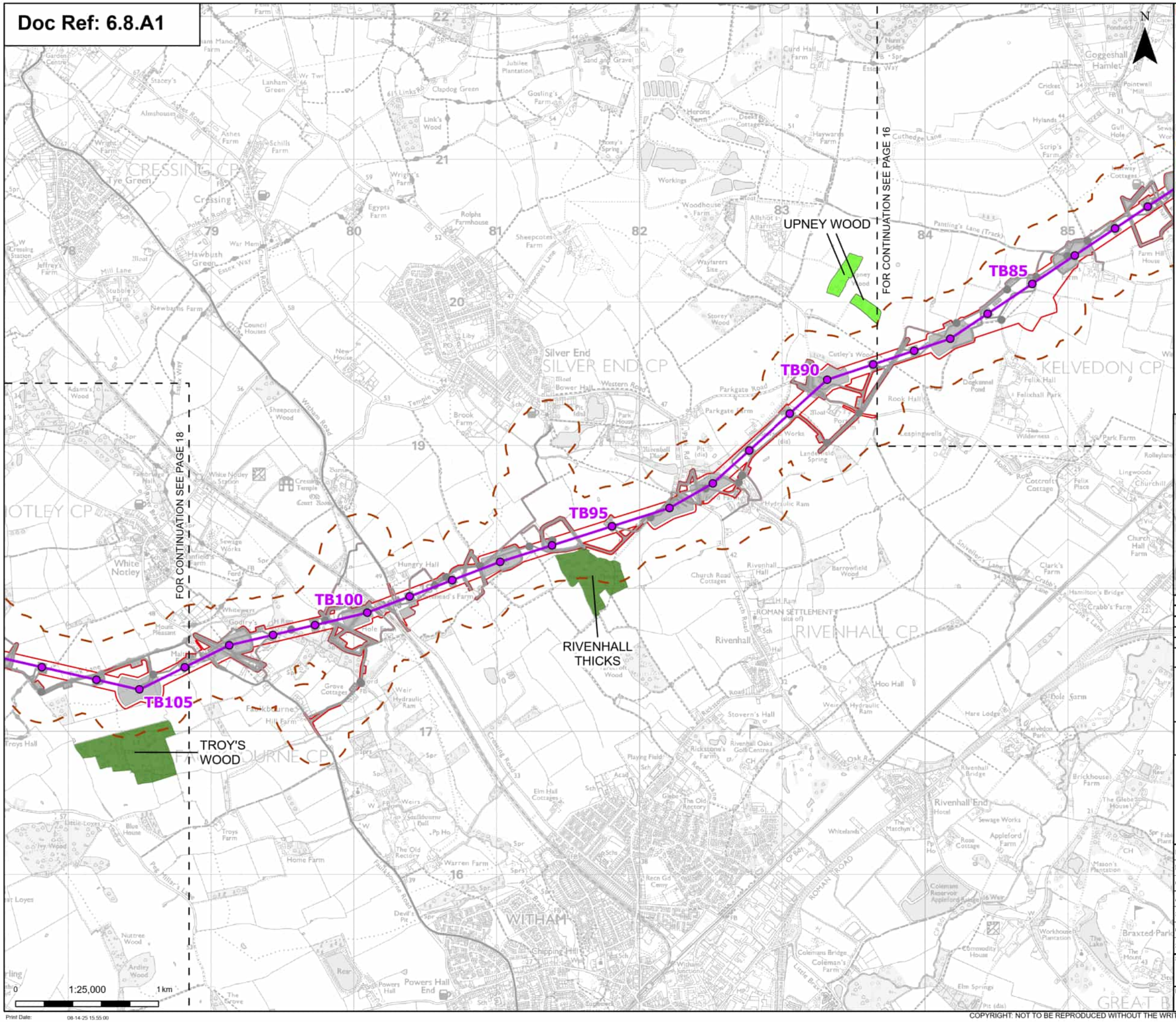
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N

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

200 m Study Area

Ancient Woodland Sites

Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Regulation 5(2)(a)&(l)(ii)

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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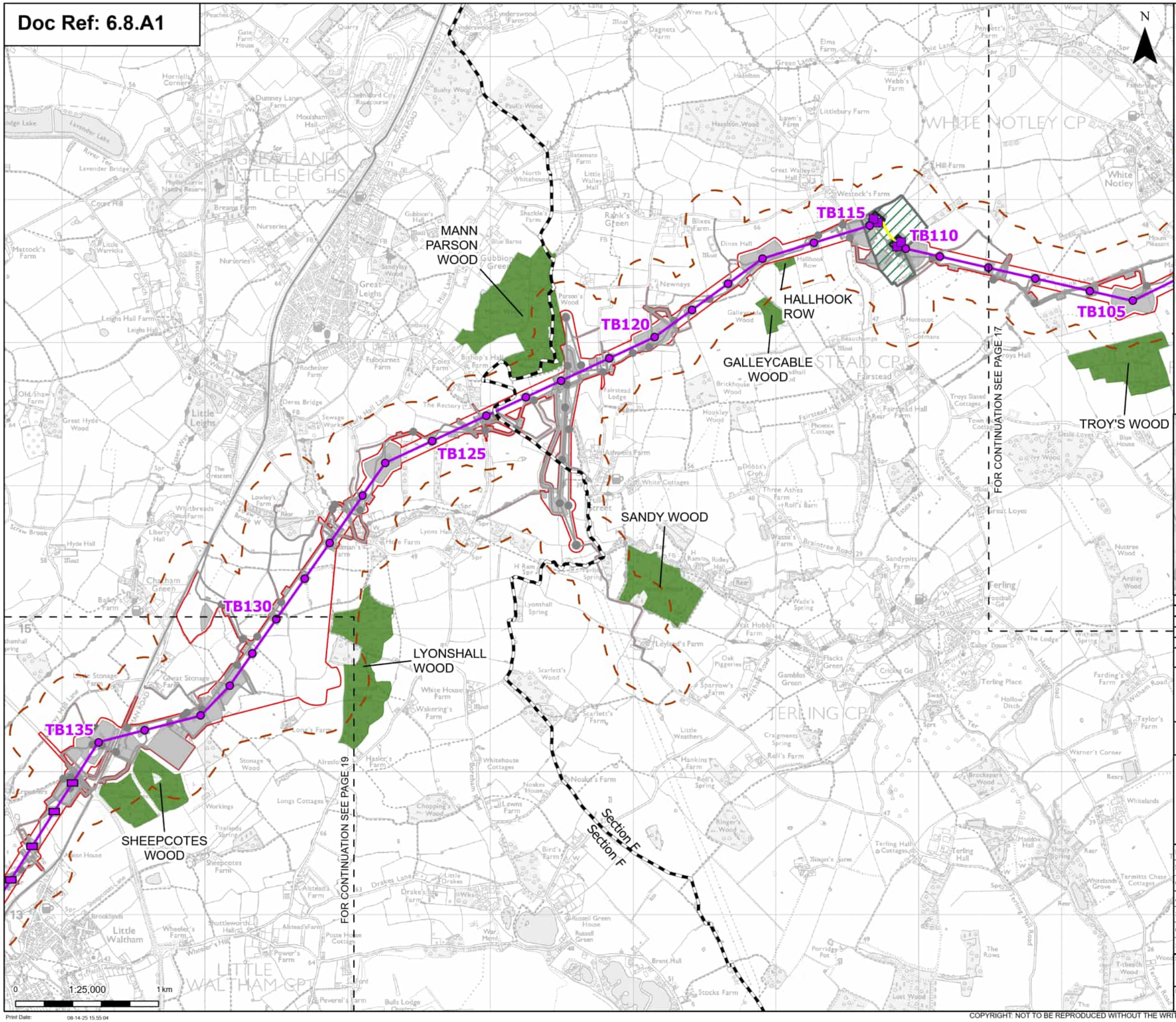
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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

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

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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Designed	A. Pinkney	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

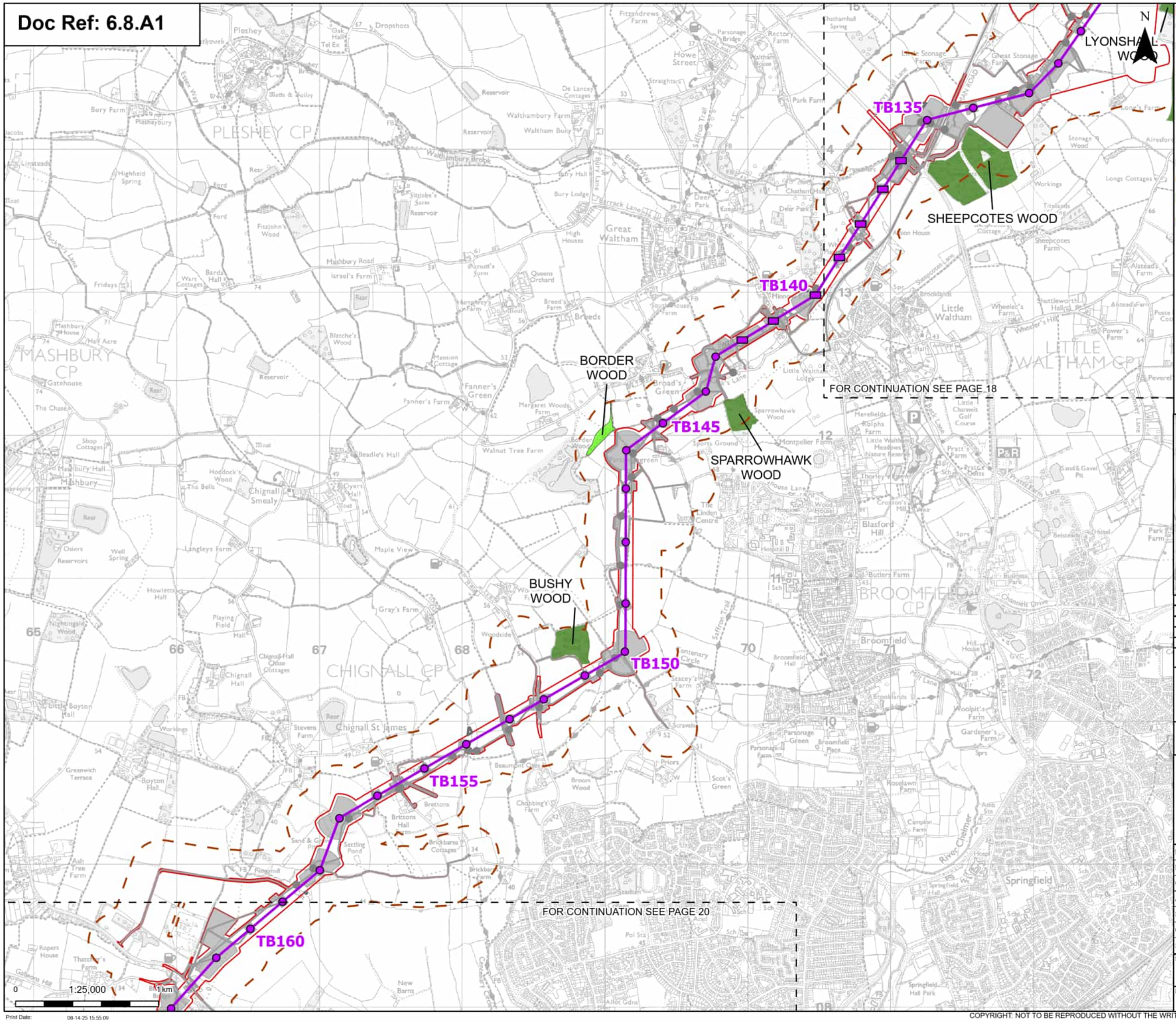
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Order limits

Sheet index cutline

Proposed project design details

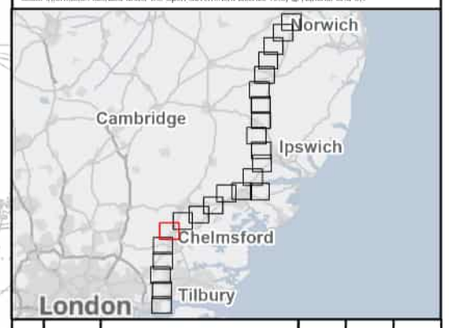
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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Designed	A. Pinkney	Date	21 Aug 25
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TB160

FOR CONTINUATION SEE PAGE 19

TB165

TB170

LADY GROVE

TB175

WRITTLE-WRITTLEPARK WOOD

CHAPEL WOOD

TB180

WRITTLE-JAMES SPRING

FOR CONTINUATION SEE PAGE 21

0 1:25,000 1km

Print Date: 08-14-25 15:55 13

N

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
200 m Study Area
Ancient Woodland Sites

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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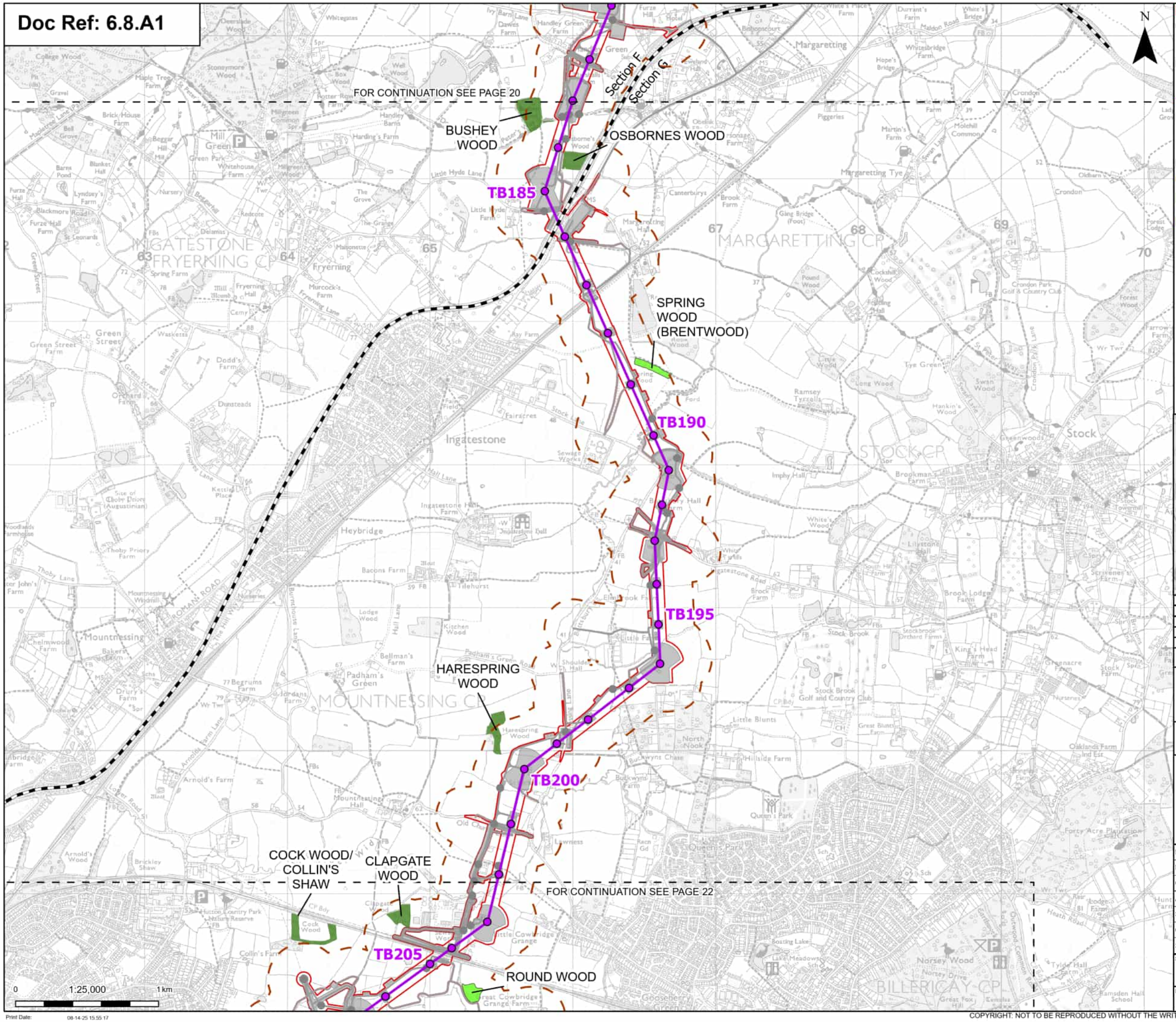
Suitability Description: Accepted as Concept Stage

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N

- 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

- 200 m Study Area
- Ancient Woodland Sites
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	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
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CLAPGATE WOOD

COCK WOOD/
COLLIN'S SHAW

TB205

ROUND
WOOD

FOR CONTINUATION SEE PAGE 21

TB210

JAME'S
WOOD

PRIMSTOCK

LITTLE
BLADEN'S
WOOD

TB215

ST MARGARET'S
WOOD AND LANE

BOTNEYHILL
WOOD

PARKHILL
WOOD

TB220

FRIERN
MANOR
WOOD

TB225

FOR CONTINUATION SEE PAGE 23

0 1:25,000 1 km

N

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

200 m Study Area
Ancient Woodland Sites
Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory
St Margaret's Wood and Lane LWS extent

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 22 of 24

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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FOR CONTINUATION SEE PAGE 22

TB230

TB235

TB240

TB245

TB250

Section G

Section H

FOR CONTINUATION SEE PAGE 24

0 1:25,000 1 km

Print Date: 08-14-25 15:55:25

N

- 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

- 200 m Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
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Designed	A. Pinkney	Date	21 Aug 25
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FOR CONTINUATION SEE PAGE 23

TB250

TB255

TB260

Proposed Tilbury North Substation

YYJ115

ZB20

YYJ120

ZB15RA

RAINBOW WOOD

ASHEN SHAW

ZB10

YYJ130

N

0 1:25,000 1 km

Print Date: 08-14-25 15:55:29

Proposed project design details

- Order limits
- Sheet index cutline
- Proposed full line tension gantry
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.3 - Ecology and Biodiversity - Ancient Woodland Locations
Page 24 of 24

Designed	A. Pinkney	Date	21 Aug 25
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Figure A8.1.4 - Groundwater Dependant Terrestrial Ecosystems

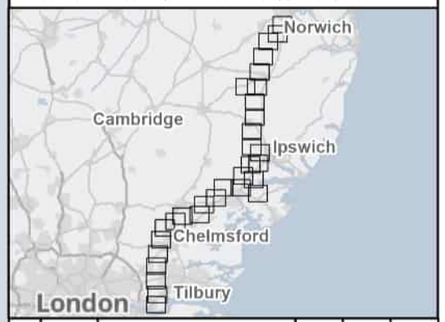
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PROJECT:
Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE) Overview

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0 1:500,000 25 km

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Norwich Main Substation Extension (Future Baseline)

DUNSTON COMMON CWS

SWARDESTON COMMON CWS

THE CARRS WOODLAND CWS

Norwich Main Substation

THE GROVE CWS

MULBARTON COMMON CWS

FOR CONTINUATION SEE PAGE 2

HETHEL POND AND 'THE DRIFT' CWS

BRACON HALL LAKE CWS

BRACON ASH COMMON CWS

FLORDON MEADOW (WEST) CWS

FLORDON MEADOW (EAST) CWS

RG1 RG5 RG10 RG15 RG20

0 1:25,000 1 km

Print Date: 08-14-25 16:01:12

N

- Order limits
- 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

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Designed	A. Pinkney	Date	21 Aug 25
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THE GROVE CWS
BRACON HALL LAKE CWS
MULBARTON COMMON CWS
HETHEL POND AND 'THE DRIFT' CWS
BRACON ASH COMMON CWS
FLORDON MEADOW (WEST) CWS
FLORDON MEADOW (EAST) CWS
WRENINGHAM MARSH CWS
THE GRANGE, WRENINGHAM CWS
FLORDON COMMON SSSI
BAYES MEADOW CWS
HAPTON COMMON CWS
HORSEFORD MEADOW CWS
SPRING MEADOW CWS

RG10
RG15
RG20
RG25
RG30
RG35

FOR CONTINUATION SEE PAGE 1
FOR CONTINUATION SEE PAGE 3

0 1:25,000 1 km

Print Date: 08-14-25 16:01:17

N

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

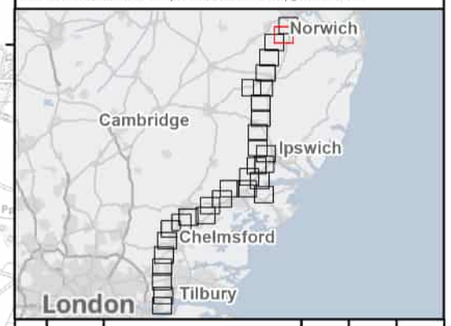
Discipline specific constraints

2 km Study Area
GWDTE that are hydrologically linked to the project
GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site
SSSI - Sites of Special Scientific Interest

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Designed	A. Pinkney	Date	21 Aug 25
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THE GRANGE, WRENINGHAM CWS

FLORDON COMMON SSSI

BAYES MEADOW CWS

HAPTON COMMON CWS

HORSEFORD MEADOW CWS

SPRING MEADOW CWS

TAS VALLEY CWS

MUIR LANE MEADOW CWS

FORNCETT MEADOWS SSSI

BROCK'S WATERING CWS

BUNWELL FEN CWS

EAGLE FARM POND CWS

TAS POND CWS

ASLACTON PARISH LAND SSSI

CARLTON RODE FEN CWS

BRICK KILN LANE, BUNWELL HILL CWS

RG25

RG30

RG35

RG40

RG45

FOR CONTINUATION SEE PAGE 2

FOR CONTINUATION SEE PAGE 4

N

0 1 1:25,000 1 km

Print Date: 08-14-25 18:01:24

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

2 km Study Area

GWDTE that are hydrologically linked to the project

GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

SSSI - Sites of Special Scientific Interest

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 3 of 31

Designed	A. Pinkney	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

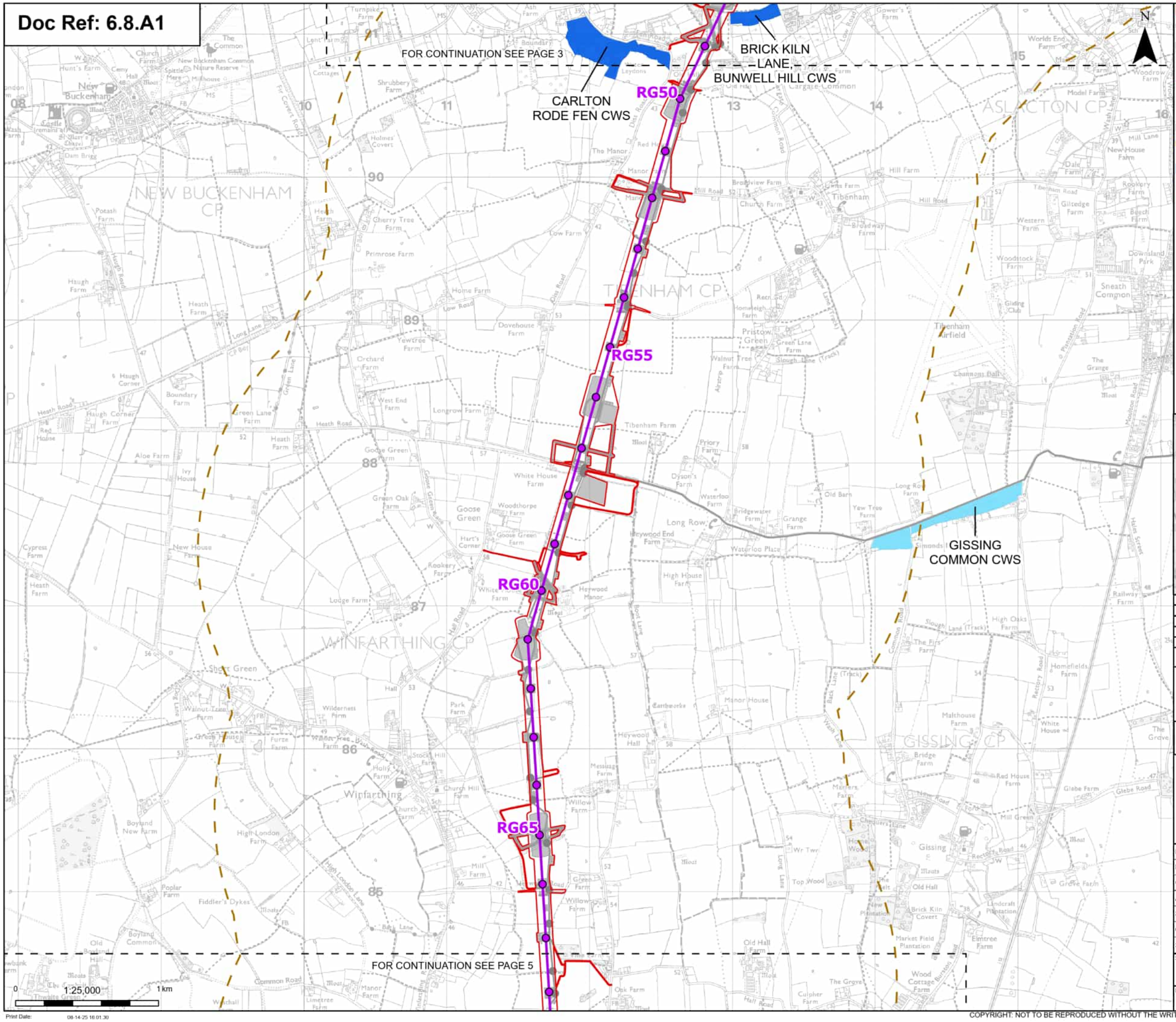
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Order limits

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

2 km Study Area

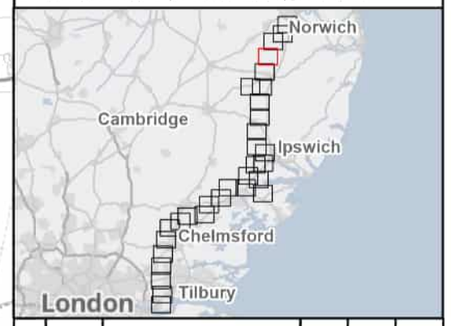
GWDTE that are hydrologically linked to the project

GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Designed	A. Pinkney	Date	21 Aug 25
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FOR CONTINUATION SEE PAGE 4

FOR CONTINUATION SEE PAGE 7

FOR CONTINUATION SEE PAGE 6

RG70

RG75

RG80

RG85

RG90

SHELFANGER MEADOWS SSSI

THE CARR CWS

BREWER'S GREEN CWS

BRESSINGHAM FEN CWS

HORSE FEN CWS

ROYDON FEN LNR

HALL FARM MEADOW CWS

RIVER WAVENEY CWS

Section A

Section B

THE MARSH CWS

GYPSY CAMP MEADOWS, THRANDESTON SSSI

RAILWAY MEADOWS CWS

0 1:25,000 1 km

Print Date: 08-14-25 16:01:35

N

- 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

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

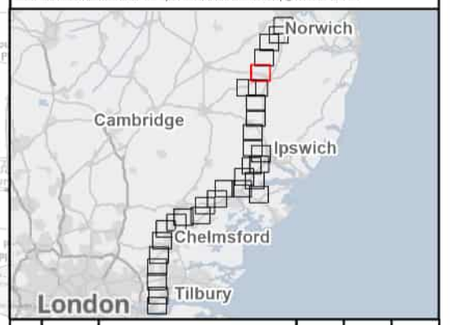
CWS - County Wildlife Site

LNR - Local Nature Reserve

SSSI - Sites of Special Scientific Interest

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Designed	A. Pinkney	Date	21 Aug 25
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GYPSY CAMP MEADOWS, THRANDESTON SSSI

RAILWAY MEADOWS CWS

FOR CONTINUATION SEE PAGE 5

THE MARSH CWS

RG95

THRANDESTON MARSH CWS

BURGATE GREAT GREEN CWS

RG100

BURGATE LITTLE GREEN CWS

MELLIS COMMON CWS

RG110

THORNHAM ESTATE WOODS CWS

FOR CONTINUATION SEE PAGE 7

RG115

RG120

FOR CONTINUATION SEE PAGE 8

THORNHAM ESTATE WOODS CWS

BOTESDALE CP

BURGATE CP

MELLIS CP

YAXLEY CP

THORNHAM PARVA CP

GISLINGHAM CP

BRAISEWORTH CP

STOKE ASH CP

1:25,000 1 km

Print Date: 08-14-25 16:01:40

N

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

2 km Study Area

GWDTE that are hydrologically linked to the project

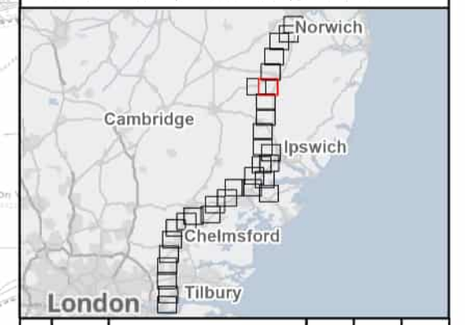
GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

SSSI - Sites of Special Scientific Interest

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Designed	A. Pinkney	Date	21 Aug 25
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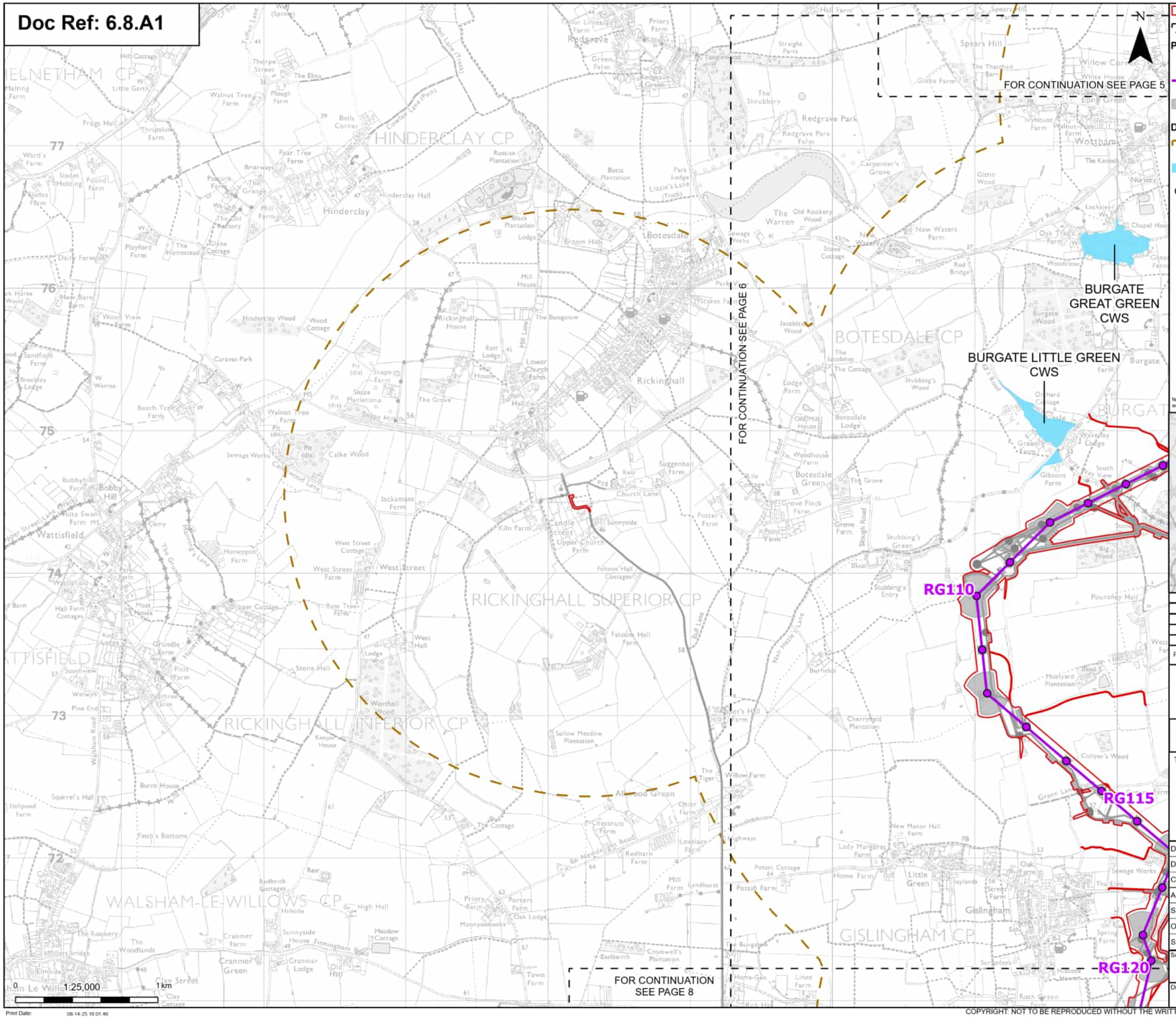
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- Order limits
- Sheet index cutline

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 7 of 31

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	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-EBD-ZZ-DR-ZZ-00337

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FOR CONTINUATION SEE PAGE 6

THORNHAM ESTATE WOODS CWS

TOPCROFT FARM MEADOWS CWS

RG125

RG130

RG135

RG140

FOR CONTINUATION SEE PAGE 9

0 1:25,000 1 km

Print Date: 08-14-25 16:01:52

N

- 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

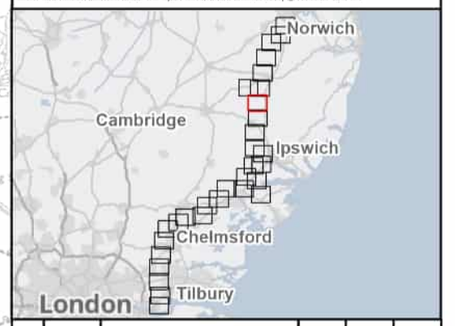
Discipline specific constraints

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 8 of 31

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Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00337 Revision: A

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Doc Ref: 6.8.A1

RG140

FOR CONTINUATION SEE PAGE 8

RG145

RG150

RG155

RG160

FORROLD MEADOW CWS

FOR CONTINUATION SEE PAGE 10

0 1:25,000 1 km

Print Date: 08-14-25 16:01:59

N

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

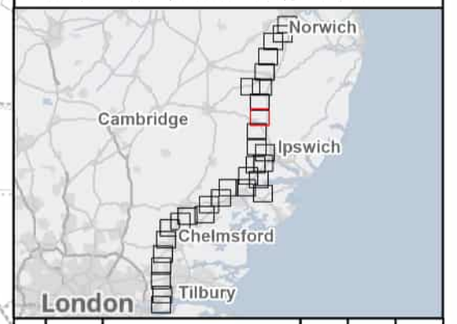
2 km Study Area

GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00337

Revision: A

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Doc Ref: 6.8.A1

RG160

FOR CONTINUATION SEE PAGE 9

CREETING ST MARY MEADOWS CWS

RG165

FEN ALDER CARR LNR

RG170

RIVER GIPPING CWS

ST JOHN'S GROVE CWS

NEEDHAM LAKE LNR

RG175

RG180

RG185

FOR CONTINUATION SEE PAGE 11

0 1:25,000 1 km

Print Date: 08-14-25 16:02:07

N

- 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

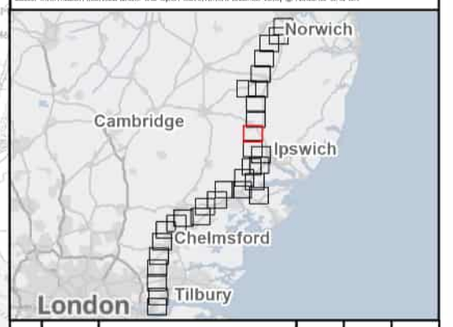
- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

LNR - Local Nature Reserve

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Suitability Description: Accepted as Concept Stage

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Revision: A

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Doc Ref: 6.8.A1

FOR CONTINUATION SEE PAGE 10

FOR CONTINUATION SEE PAGE 12

RG185

RG190

RG195

RG200

RG205

RG210

JC1

JC5

JC10

BUSHEY LEY FARM CWS

Bramford Substation

Proposed substation extension

Section B

Section C

BAYLHAM CP

WILLISHAM CP

NETTLESTEAD CP

SOMERSHAM CP

ELMSETT CP

FLOWTON CP

BURSTALL CP

GREAT BRICETT CP

LITTLE BRICETT CP

N

0 1:25,000 1 km

Print Date: 08-14-25 16:02:12

Proposed project design details

- Order limits
- Sheet index cutline
- Project section line
- 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

- 2 km Study Area
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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RG200
RG205
RG210
JC1
JC5
JC10
JC15
JC20
BUSHEY LEY FARM CWS
Bramford Substation
Proposed substation extension
RIVER GIPPING CWS
BRAMFORD MEADOWS LNR
CHANTRY PARK, BEECHWATER AND MEADOW CWS
Section B
Section C
FOR CONTINUATION SEE PAGE 11
FOR CONTINUATION SEE PAGE 13
FOR CONTINUATION SEE PAGE 14
SOMERSHAM CP
FLOWTON CP
BRAMFORD CP
BURSTALL CP
HINTLESHAM CP
CHATTISHAM CP
SPROUGHTON CP
WHITTON CP
0 1:25,000 1 km

Print Date: 08-14-25 16:02:16

- 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

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

LNR - Local Nature Reserve

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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JC15
JC20
JC25
JC30
JC35

CHANTRY PARK, BEECHWATER AND MEADOW CWS

ROYDON GREAT WOOD CWS

SPRINGHILL MEADOWS CWS

FOR CONTINUATION SEE PAGE 12
FOR CONTINUATION SEE PAGE 14
FOR CONTINUATION SEE PAGE 15

HINTLESHAM CP
CHATTISHAM CP
COPDOCK AND WASHBROOK CP
BELSTEAD CP
WENHAM PARVA CP
BENTLEY CP

0 1:25,000 1 km

Print Date: 08-14-25 16:02:21

N

- 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 (CSE) compound
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 13 of 31

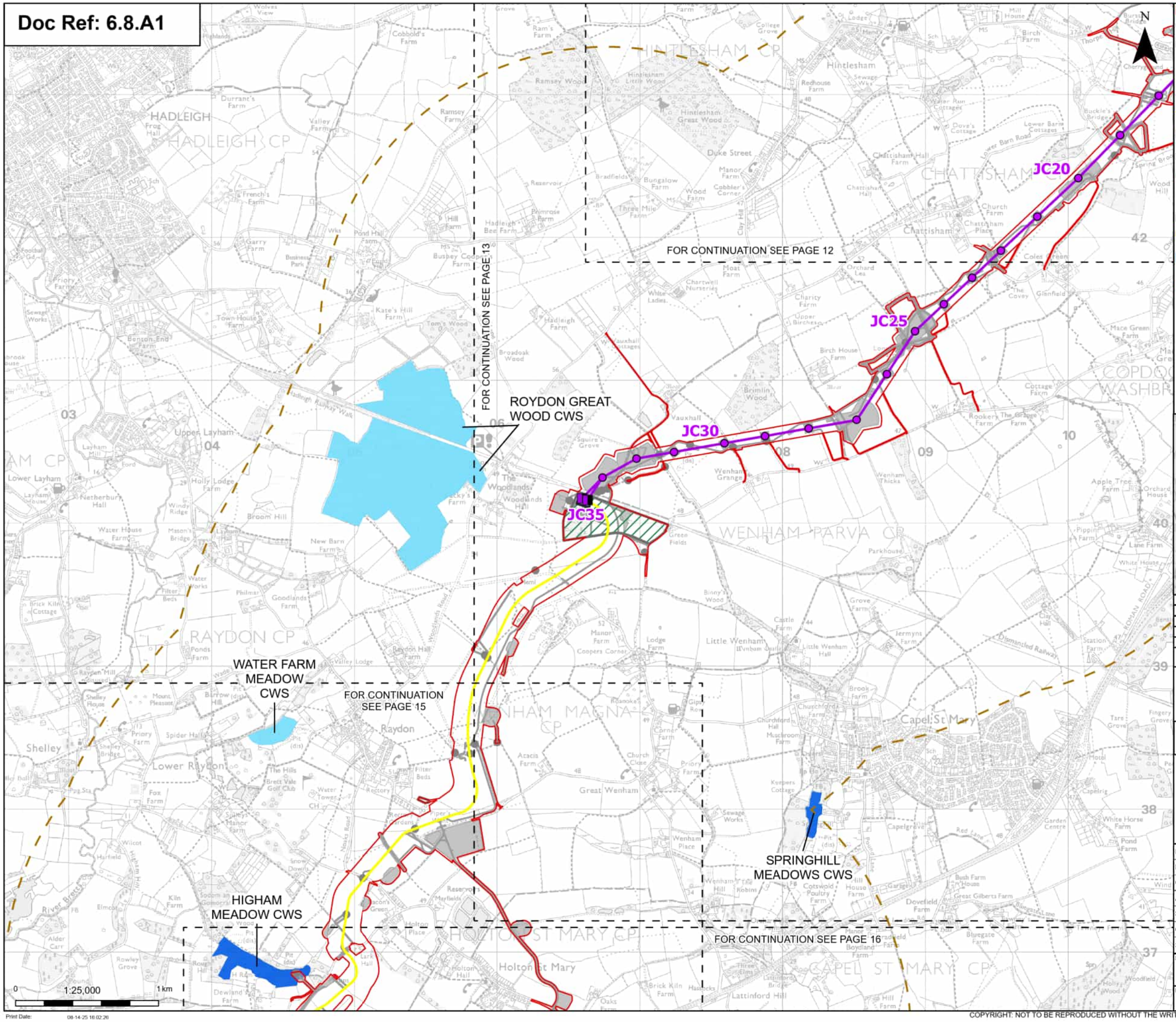
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Order limits

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 (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

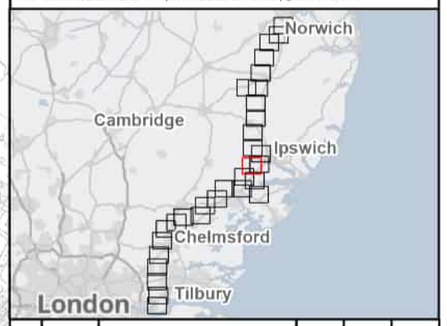
Discipline specific constraints

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 14 of 31

Designed	A. Pinkney	Date	21 Aug 25
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WATER FARM MEADOW CWS

HIGHAM MEADOW CWS

FOR CONTINUATION SEE PAGE 13

FOR CONTINUATION SEE PAGE 14

FOR CONTINUATION SEE PAGE 16

RIVER BRETT (SECTIONS) CWS

THORINGTON STREET PIT & RESERVOIR CWS

WASSES MARSHES CWS

Trenchless Crossing: River Stour (north part)

Trenchless Crossing: Higham Road

LANGHAM WATER WORKS LWS

Trenchless Crossing: River Stour (south part)

THE COOMBS LWS

BRIDGES FARM LWS

FOR CONTINUATION SEE PAGE 18

GUN HILL PLACE LWS

BLACK BROOK LWS

BLACK BROOK LWS

Trenchless Crossing: A12 highway crossing

Section C

Section D

0 1 km

1:25,000

N

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed underground cable alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

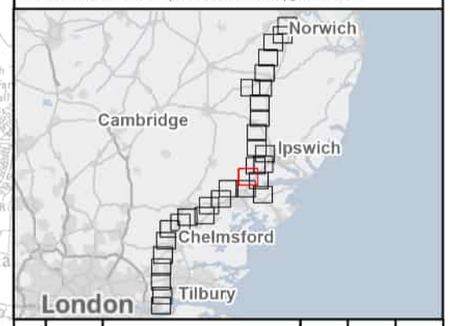
- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

CWS - County Wildlife Site

LWS - Local Wildlife Site

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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HIGHAM MEADOW CWS

Trenchless Crossing: Higham Road

THE COOMBS LWS

BRIDGES FARM LWS

GUN HILL PLACE LWS

WIGNALL BROOK GRASSLANDS LWS

FOR CONTINUATION SEE PAGE 14

FOR CONTINUATION SEE PAGE 15

FOR CONTINUATION SEE PAGE 18

FOR CONTINUATION SEE PAGE 17

0 1:25,000 1 km

Print Date: 08-14-25 16:02:36

N

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed underground cable alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

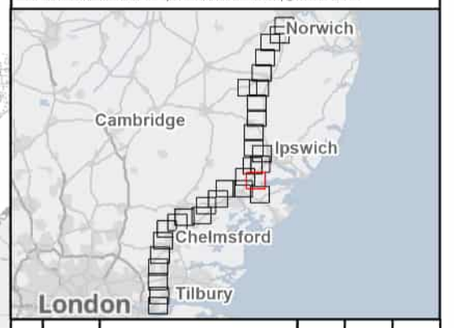
CWS - County Wildlife Site

LWS - Local Wildlife Site

SSSI - Sites of Special Scientific Interest

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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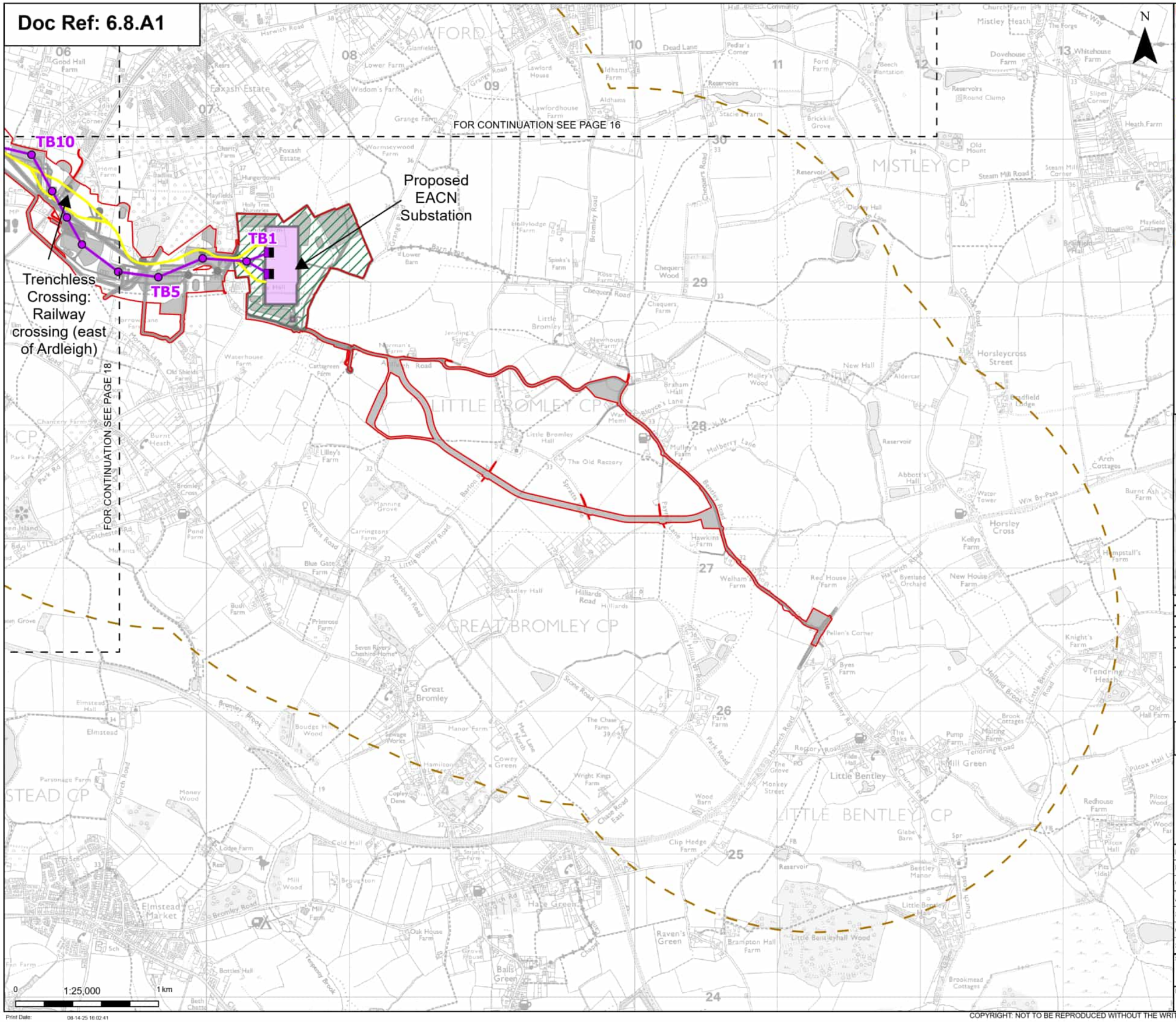
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- Sheet index cutline

Proposed project design details

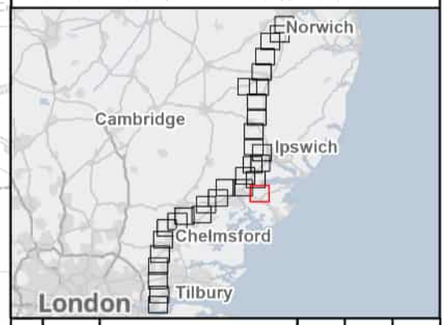
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed DNO Substation
- Proposed East Anglia Connection Node (EACN) Substation
- Environmental area
- Other temporary and permanent construction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

Discipline specific constraints

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Doc Ref: 6.8.A1

BLACK BROOK LWS

GUN HILL PLACE LWS

BRIDGES FARM LWS

BLACK BROOK LWS

Trenchless Crossing: A12 highway crossing

FOR CONTINUATION SEE PAGE 15

Section C

Section D

TB30

TB25

TB20

TB15

TB10

LANGHAM ROAD GRASSLAND LWS

ARDLEIGH RESERVOIR GRASSLAND LWS

WALL'S WOOD LWS

Trenchless Crossing: Railway crossing (east of Ardleigh)

FOR CONTINUATION SEE PAGE 19

FOR CONTINUATION SEE PAGE 16

FOR CONTINUATION SEE PAGE 17

N

0 1:25,000 1 km

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 (CSE) compound
Environmental area
Other temporary and permanent construction and operational works

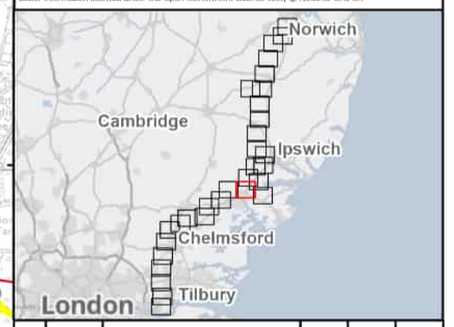
Discipline specific constraints

2 km Study Area
GWDTE that are hydrologically linked to the project
GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 18 of 31

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

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00337

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ALDERCAR, WORMINGFORD LWS

WEST BERGHOLT ALDERWOODS LWS

SPRING WOOD LWS

FORDHAM BRIDGE MEADOW LWS

TB35

TB40

TB45

TB50

FOR CONTINUATION SEE PAGE 18

FOR CONTINUATION SEE PAGE 20

0 1:25,000 1 km

Print Date: 08-14-25 16:03:01

- 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 (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

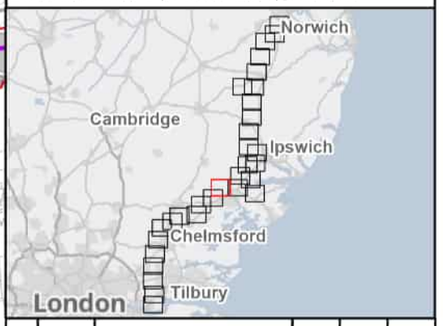
Discipline specific constraints

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- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

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PROJECT: Norwich to Tilbury

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Doc Ref: 6.8.A1

TB45
TB50
TB55
TB60
TB65
TB70

WEST BERGHOLT ALDERWOODS LWS
FORDHAM BRIDGE MEADOW LWS
SPRING WOOD LWS
SEVEN STAR GREEN LWS
MARKS TEY BRICK PIT LWS

FOR CONTINUATION SEE PAGE 19
FOR CONTINUATION SEE PAGE 21

CHAPPEL CP
ALDHAM CP
GREAT TEY CP
MARKS TEY CP
BIRCH & BIRCH GREEN CP
COPFORD CP
STANWAY CP

Section D
Section E

0 1:25,000 1 km

Print Date: 08-14-25 16:03:07

N

- 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

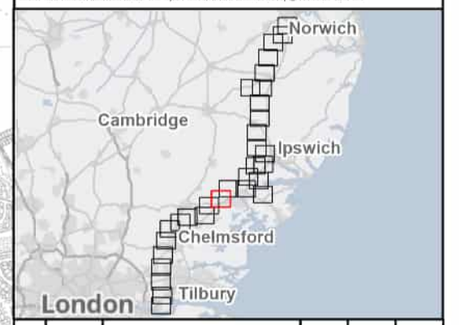
Discipline specific constraints

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- GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

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PROJECT: Norwich to Tilbury

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

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 20 of 31

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Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00337 Revision: A

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BUCKLER'S FARM WOOD LWS

TILKEY ROAD, COGGESHALL LWS

BLACKWATER PLANTATION LWS

COGGESHALL HALL FARM LWS

FEERING MARSH LWS

TB65

TB70

TB75

TB80

TB85

TB90

Section D

Section E

FOR CONTINUATION SEE PAGE 20

FOR CONTINUATION SEE PAGE 22

GREAT TEY CP

COGGESHALL CP

FEERING CP

KELVEDON CP

N

0 1km

1:25,000

Print Date: 08-14-25 16:03:16

- 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

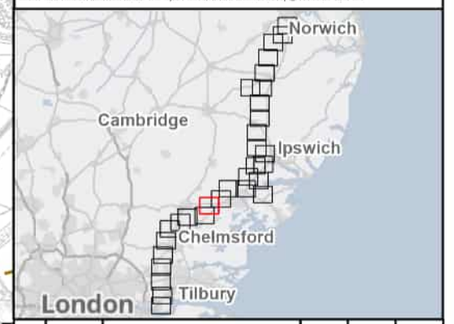
Discipline specific constraints

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LWS - Local Wildlife Site

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 21 of 31

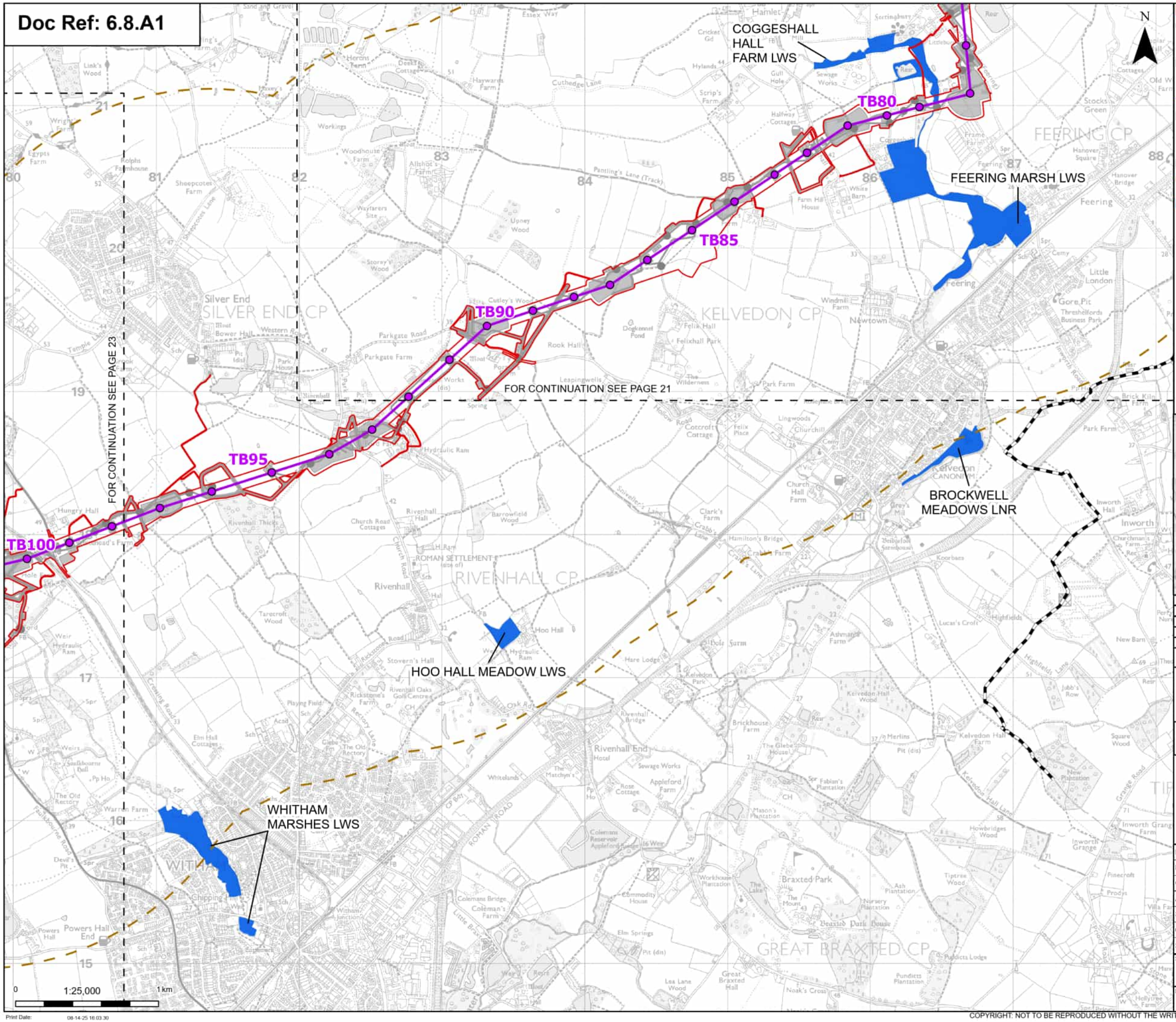
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00337 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

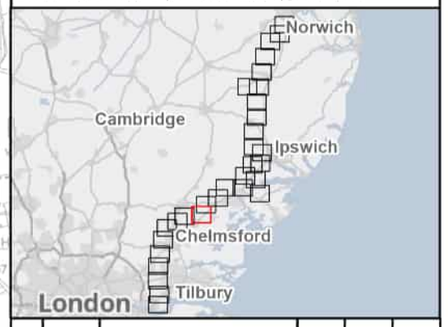
- 2 km Study Area
- GWDTE that are hydrologically linked to the project

LNR - Local Nature Reserve

LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 22 of 31

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

Suitability Description: Accepted as Concept Stage

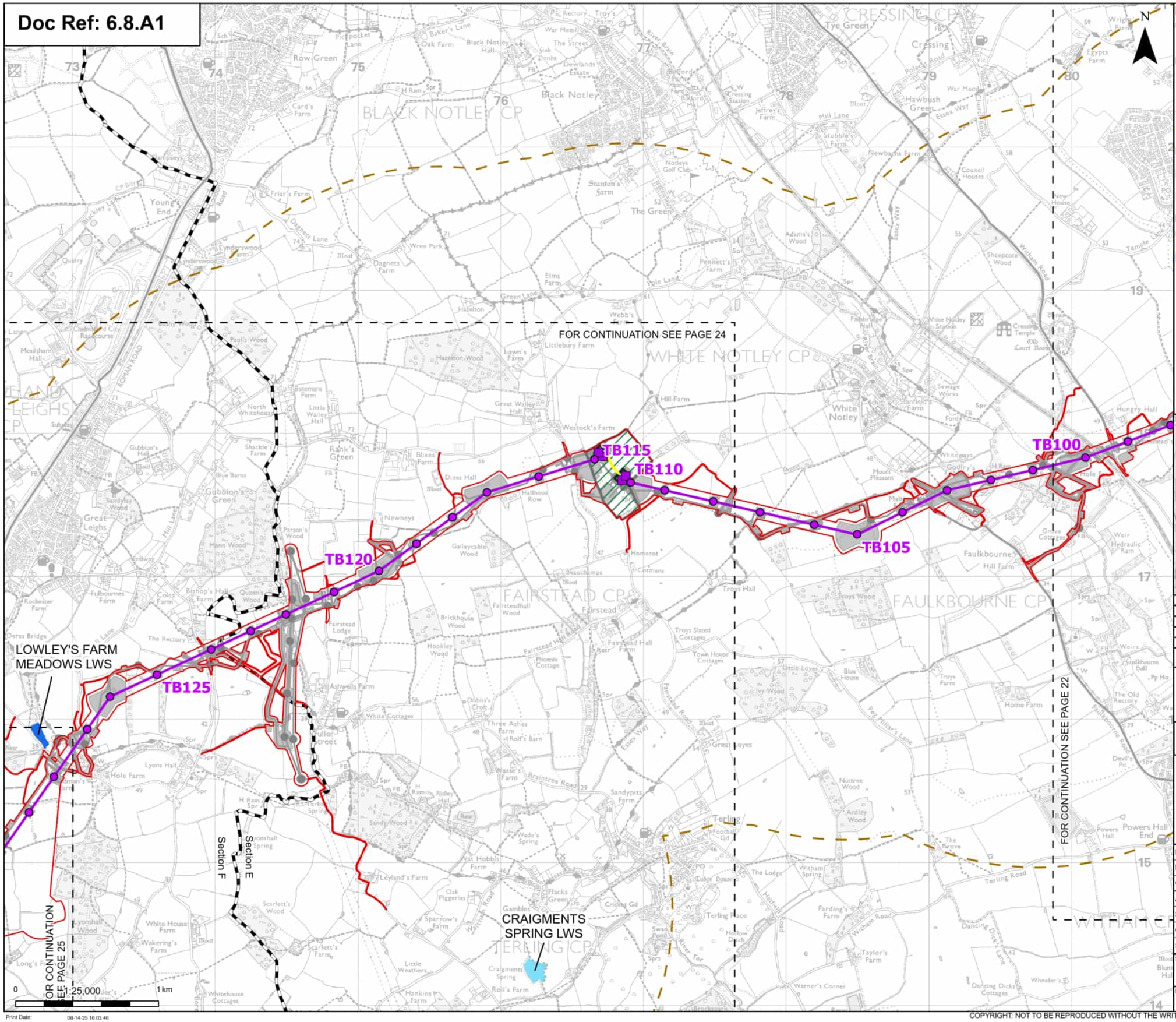
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Doc Ref: 6.8.A1



- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

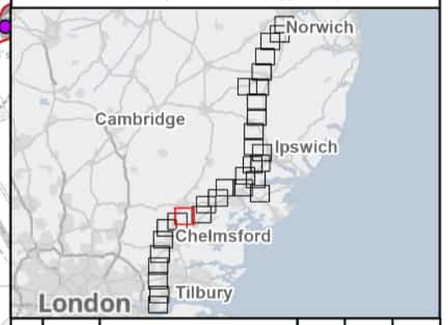
- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end (CSE) compound
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project
- LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 23 of 31

Designed	A. Pinkney	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

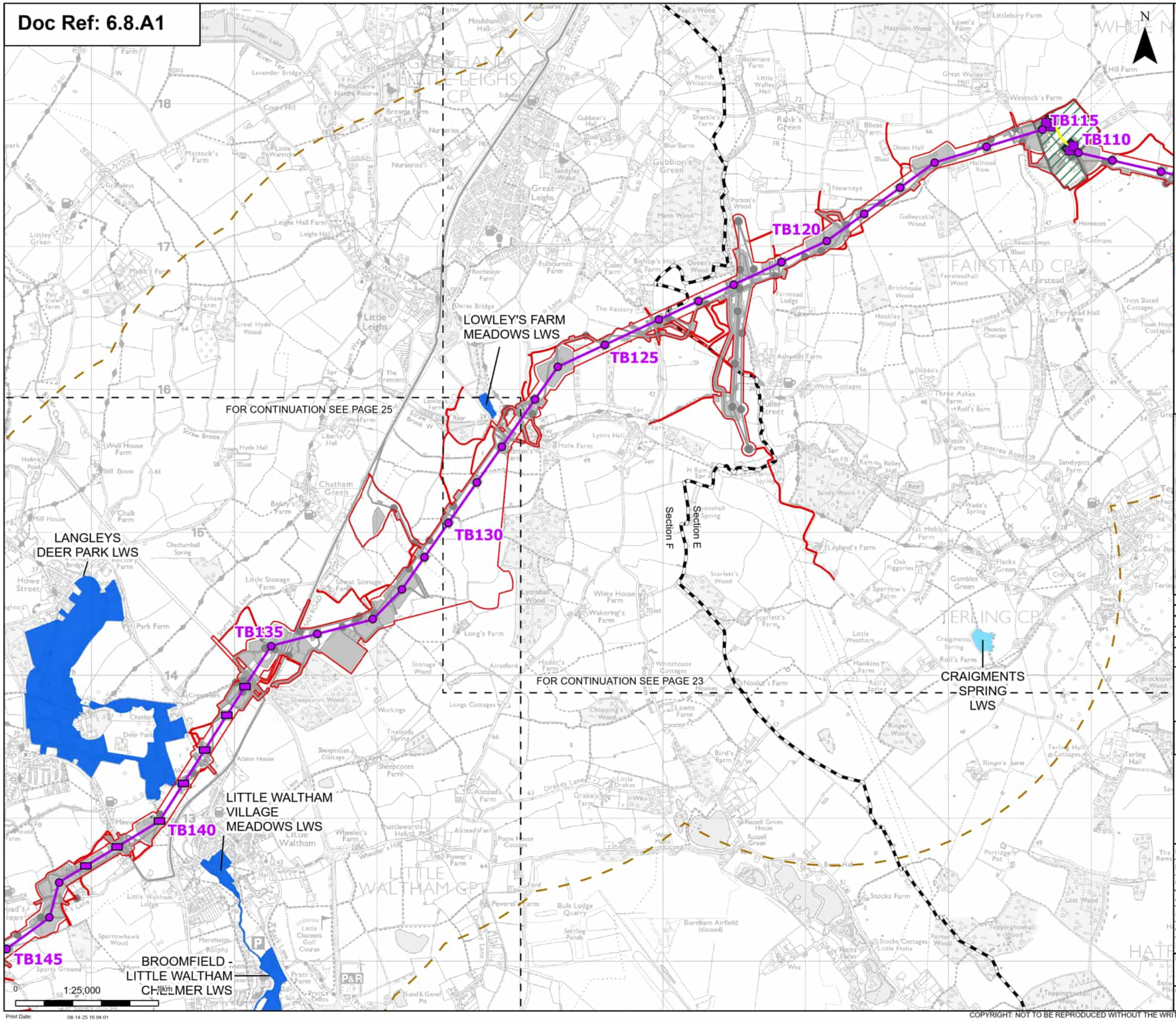
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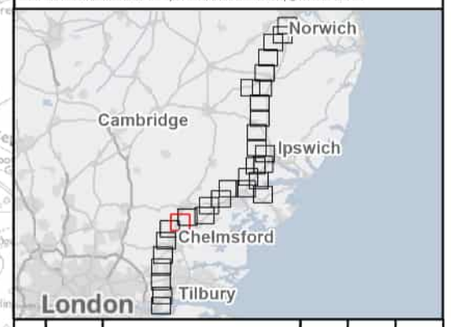
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00337 | Revision: A

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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

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TB130

TB135

TB140

TB145

TB150

TB155

LANGLEYS DEER PARK LWS

LITTLE WALTHAM VILLAGE MEADOWS LWS

BORDER WOOD LAKE LWS

BROOMFIELD - LITTLE WALTHAM CHELMER LWS

CHELMER VALLEY RIVERSIDE LNR

FOR CONTINUATION SEE PAGE 23

FOR CONTINUATION SEE PAGE 24

FOR CONTINUATION SEE PAGE 26

PLESHEY CP

MASHBURY CP

CHIGNALL CP

LITTLE WALTHAM CP

BROOMFIELD CP

0 1:25,000 1 km

Print Date: 08-14-25 16:04:14

N

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

2 km Study Area

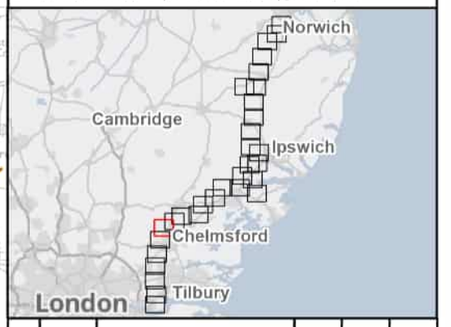
GWDTE that are hydrologically linked to the project

LNR - Local Nature Reserve

LWS - Local Wildlife Site

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Page 25 of 31

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Doc Ref: 6.8.A1

TB150

TB155

TB160

TB165

TB170

TB175

FOR CONTINUATION SEE PAGE 25

FOR CONTINUATION SEE PAGE 27

CHELMER VALLEY RIVERSIDE LNR

WRITTLE BRIDGE MEADOWS LWS

N

0 1:25,000 1 km

Print Date: 08-14-25 18:04:29

- 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

- 2 km Study Area
- GWDTE that are hydrologically linked to the project

LNR - Local Nature Reserve

LWS - Local Wildlife Site

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Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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Suitability Description: Accepted as Concept Stage

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TB175

TB180

TB185

TB190

TB195

FOR CONTINUATION SEE PAGE 26

FOR CONTINUATION SEE PAGE 28

Section F

Section G

STOCK BROOK MEADOW LWS

HARESPRING WOOD LWS

0 1:25,000 1 km

Print Date: 08-14-25 16:05:00

N

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

2 km Study Area

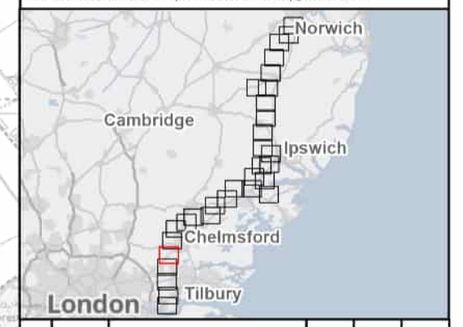
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GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

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Section F

Section G

TB195

TB200

TB205

TB210

TB215

STOCK BROOK MEADOW LWS

HARESPRING WOOD LWS

HUTTON COUNTRY PARK LWS

BLUNTSWALL SHAWS LWS

THE WILDERNESS LWS

LITTLE BURSTEAD COMMON LWS

LITTLE BURSTEAD WOOD LWS

FOR CONTINUATION SEE PAGE 27

FOR CONTINUATION SEE PAGE 29

0 1:25,000 1 km

Print Date: 08-14-25 16:05:34

N

- 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

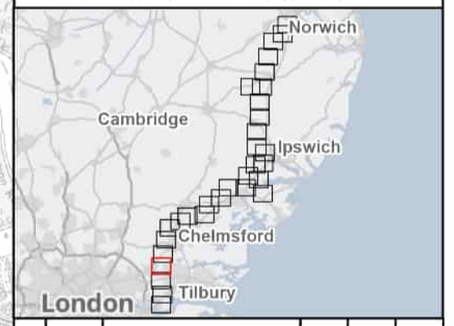
Discipline specific constraints

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 28 of 31

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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TB215

TB220

TB225

TB230

TB235

THE WILDERNESS LWS

LITTLE BURSTEAD COMMON LWS

PARKHILL WOOD LWS

LITTLE BURSTEAD WOOD LWS

POLES WOOD LWS

FOR CONTINUATION SEE PAGE 28

FOR CONTINUATION SEE PAGE 30

Section G

Section H

0 1:25,000 1 km

Print Date: 08-14-25 16:05:58

N

- 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

- 2 km Study Area
- GWDTE that are hydrologically linked to the project
- GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
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FOR CONTINUATION SEE PAGE 31

TB240

TB245

TB250

TB255

TB260

YYJ115

ZB20

YYJ120

ZB15RA

Proposed Tilbury North Substation

VICTORIA ROAD GRASSLAND, STANFORD-LE-HOPE LWS

MUCKING CREEK WETLANDS LWS

WARREN LAKES LWS

LINFORD WOOD LWS

THURROCK THAMESIDE NATURE PARK, MUCKING LWS

Section G

Section H

N

0 1:25,000 1 km

Print Date: 08-14-25 16:06:18

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

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

Discipline specific constraints

- 2 km Study Area
- GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 30 of 31

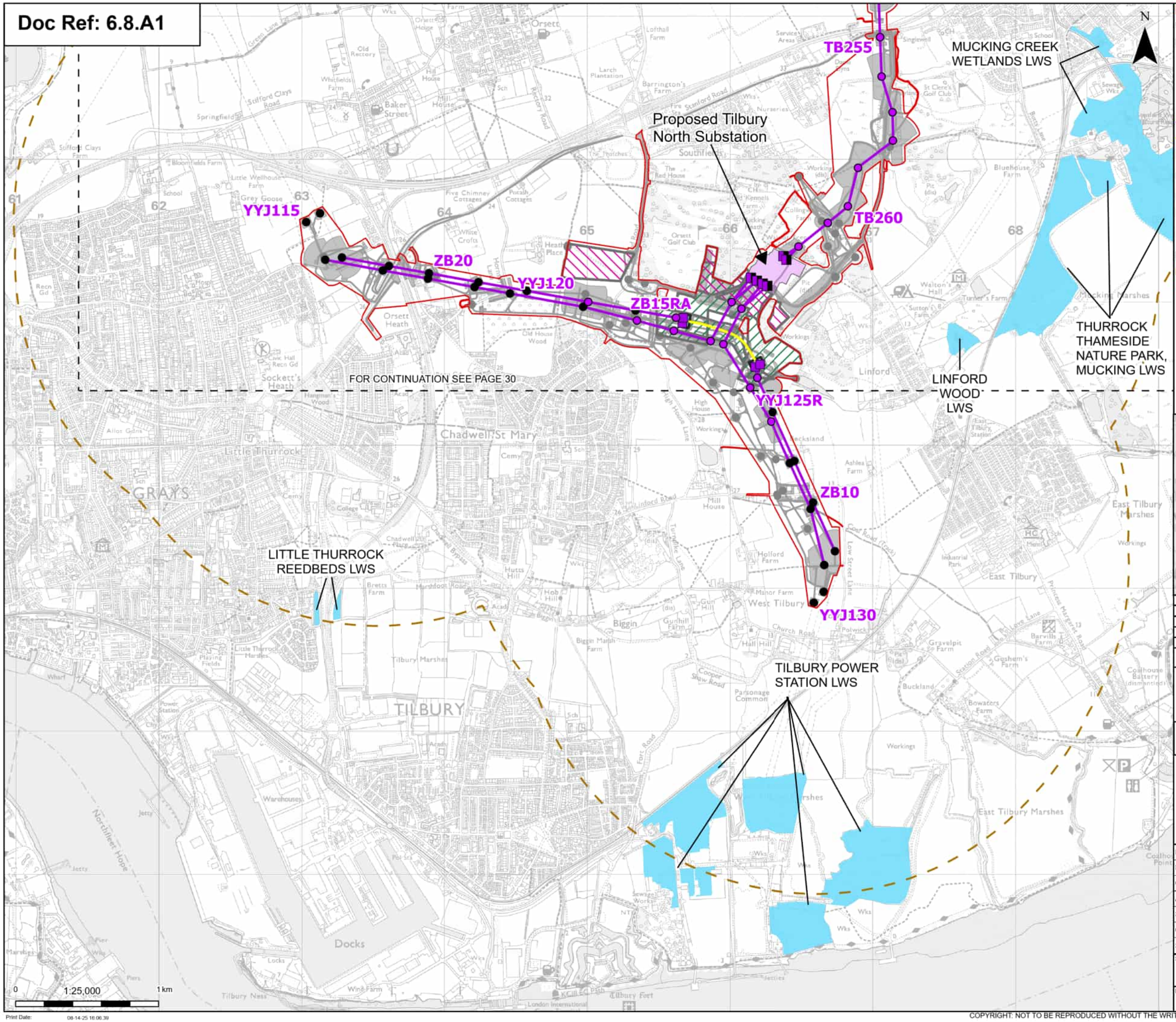
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

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N

- 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 (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- GWDTE with no hydrological linkage to the project

LWS - Local Wildlife Site

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.4 - Ecology and Biodiversity - Groundwater Dependent Terrestrial Ecosystems (GWDTE)
Page 31 of 31

Designed	A. Pinkney	Date	21 Aug 25
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Suitability Description: Accepted as Concept Stage

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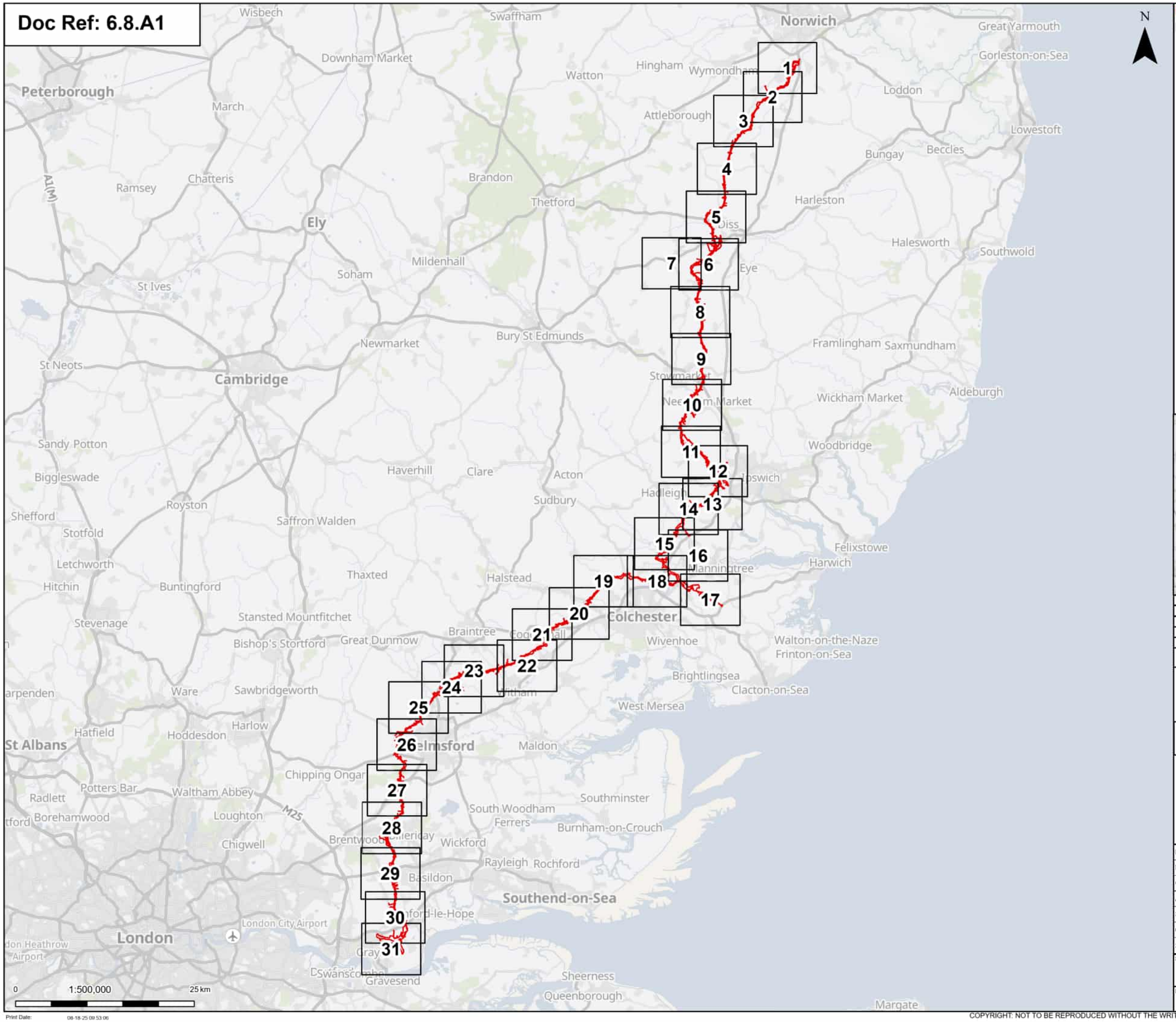
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Figure A8.1.5 - Protected/ Notable Plant Species

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species Overview

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Norwich Main Substation Extension (Future Baseline)

Norwich Main Substation

Jersey cudweed

RG1

RG5

RG10

RG15

RG20

FOR CONTINUATION SEE PAGE 2

N

0 1:25,000 1 km

Print Date: 08-18-25 09:53:09

Order limits

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

2 km Study Area

Protected / notable plant species (field survey record)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 1 of 31

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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RG10
RG15
RG20
RG25
RG30
RG35

Sandy Stilt Puffball

FOR CONTINUATION SEE PAGE 1
FOR CONTINUATION SEE PAGE 3

0 1:25,000 1 km

Print Date: 08-18-25 09:53:12

N

- 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

- 2 km Study Area
- Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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RG25
RG30
RG35
RG40
RG45

FOR CONTINUATION SEE PAGE 2

FOR CONTINUATION SEE PAGE 4

0 1:25,000 1 km

Print Date: 08-18-25 09:53:16

Order limits
Sheet index cutline

Proposed project design details

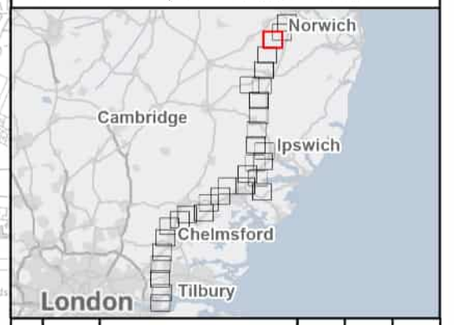
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 3 of 31

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

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FOR CONTINUATION SEE PAGE 3

RG50

RG55

RG60

RG65

FOR CONTINUATION SEE PAGE 5

0 1:25,000 1 km

Print Date: 08-18-25 09:53:19

N

- Order limits
- Sheet index cutline

Proposed project design details

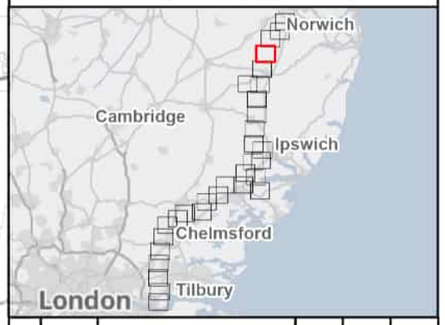
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 4 of 31

Designed	A. Pinkney	Date	21 Aug 25
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FOR CONTINUATION SEE PAGE 4

RG70

RG75

RG80

RG85

RG90

Heather

Heath dog-violet

Heath dog-violet

Shepherd's cress

Heath dog-violet

Heather

Heather

Harebell

Section A

Section B

Quaking-grass

Heather

Shepherd's cress

Field pepperwort

Marsh speedwell

Common cudweed

Hoary plantain

Potentilla erecta subsp. erecta

FOR CONTINUATION SEE PAGE 7

FOR CONTINUATION SEE PAGE 6

0 1:25,000 1 km

Print Date: 08-18-25 09:53:23

N

- 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

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Regulation 5(2)(a)&(I)(ii)

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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FOR CONTINUATION SEE PAGE 5

RG95

RG100

RG110

RG115

RG120

Tormentil

Marsh pennywort

Lesser spearwort

Mat-grass

Tortula schimperi

Bluebell

Quaking-grass

Spiny restharrow

Tortula schimperi

Sulphur clover

Green-winged orchid

Green-winged orchid

Lesser spearwort

Quaking-grass

Tormentil

Green-winged orchid

Sulphur clover

Chicory

Wild strawberry

Green-winged orchid

Quaking-grass

Stinking chamomile

Quaking-grass

Ranunculus flammula subsp. flammula

Marsh speedwell

Crosswort

Wild strawberry

Dwarf spurge

FOR CONTINUATION SEE PAGE 8

FOR CONTINUATION SEE PAGE 7

0 1:25,000 1 km

Print Date: 08-18-25 09:53:27

N

- Order limits
- Sheet index cutline

Proposed project design details

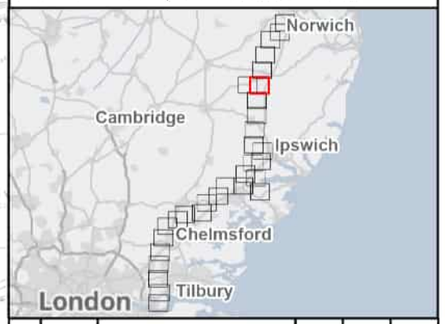
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (desk study records)
- Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Quaking-grass

Common cudweed

Heather

FOR CONTINUATION SEE PAGE 5

Marsh pennywort

Tormentil

Mat-grass

Tortula schimperi

Lesser spearwort

Bluebell

Quaking-grass

Spiny restharrow

Chicory

RG110

Wild strawberry

RG115

Dwarf spurge

RG120

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 8

0 1:25,000 1 km

Print Date: 08-18-25 09:53:31

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

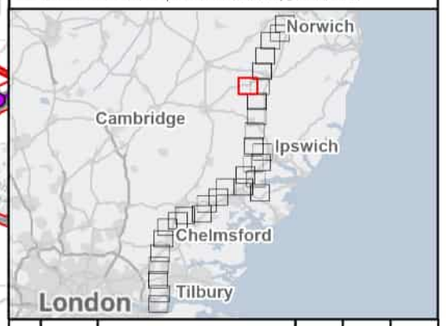
2 km Study Area

Protected / notable plant species (desk study records)

Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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FOR CONTINUATION SEE PAGE 6

Field scabious

RG125

Stinking chamomile

Chicory

RG130

RG135

Tortula schimperi

RG140

FOR CONTINUATION SEE PAGE 9

0 1:25,000 1 km

Print Date: 08-18-25 09:53:35

N

- 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

- 2 km Study Area
- Protected / notable plant species (desk study records)
- Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 8 of 31

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	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

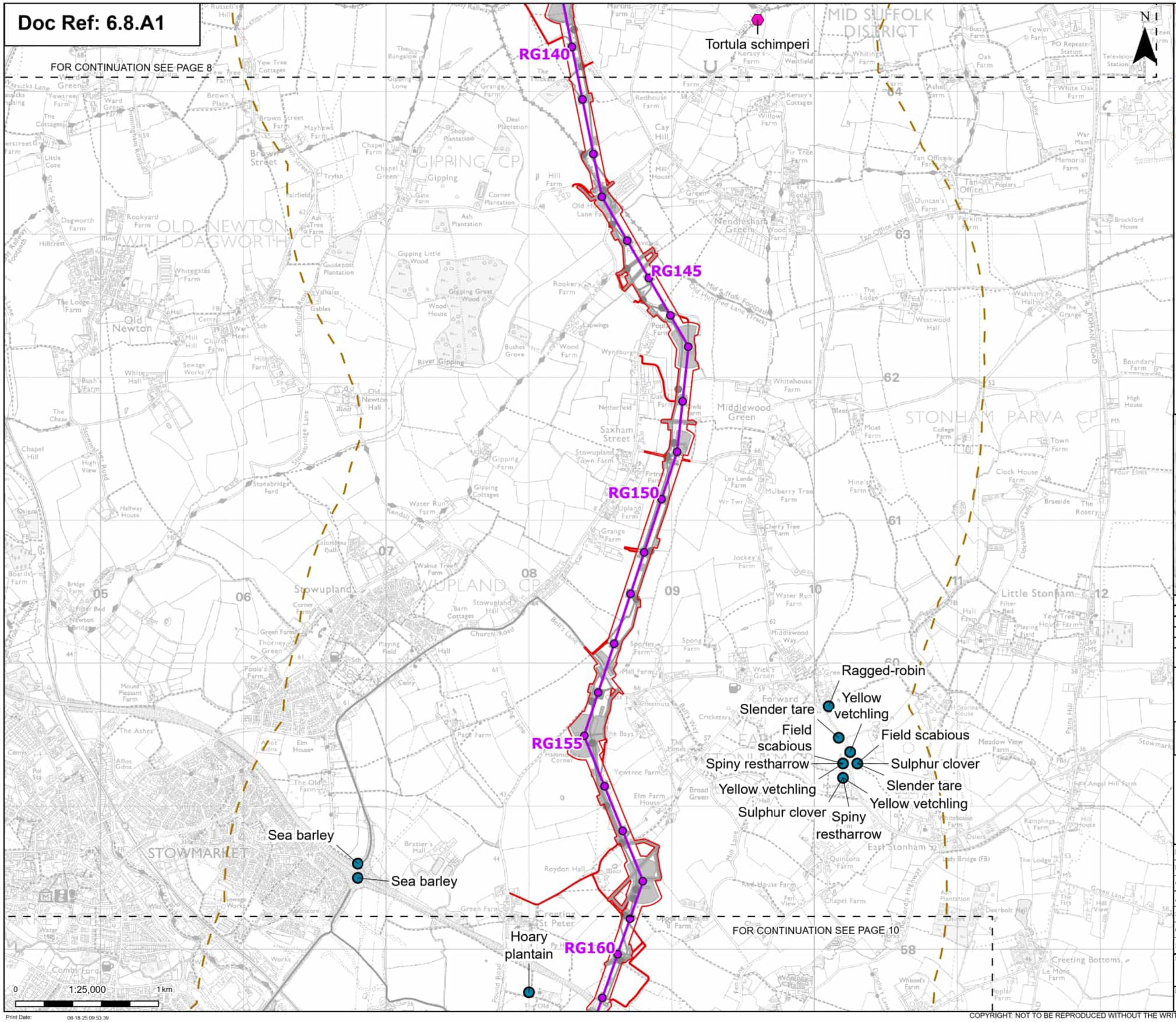
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00338

Revision: A

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FOR CONTINUATION SEE PAGE 8



FOR CONTINUATION SEE PAGE 10

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

2 km Study Area

Protected / notable plant species (desk study records)

Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 9 of 31

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
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RG160
RG165
RG170
RG175
RG180
RG185

Hoary plantain
Quaking-grass
Hoary plantain
Field scabious
Bluebell
Hoary plantain
Hound's-tongue
Slender bird's-foot-trefoil
Cornflower
Ragged-robin
Wild pansy
Carline thistle
Corn marigold
Marsh-mallow
Quaking-grass
Chicory
Field scabious
Hound's-tongue
Hound's-tongue
Crosswort
Crosswort
Dwarf spurge
Common cudweed
Carline thistle
Field scabious
Common cudweed
Wild pansy
Yellow vetchling
Sulphur clover
Bluebell
Bluebell
Wild strawberry
Wild strawberry
Rye brome
Tortula schimperi
Bluebell
Common cow-wheat
Common cow-wheat
Common cow-wheat

FOR CONTINUATION SEE PAGE 9
FOR CONTINUATION SEE PAGE 11

COMBS CP
BADLEY CP
CREETING ST PETER CP
CREETING ST MARY CP
BATTISFORD CP
RINGSHALL CP
BARKING CP
DARMSDEN CP
BAYLHAM CP
NEEDHAM MARKET

0 1:25,000 1 km

Print Date: 08-18-25 09:53:44

N

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

2 km Study Area
Protected / notable plant species (desk study records)
Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 10 of 31

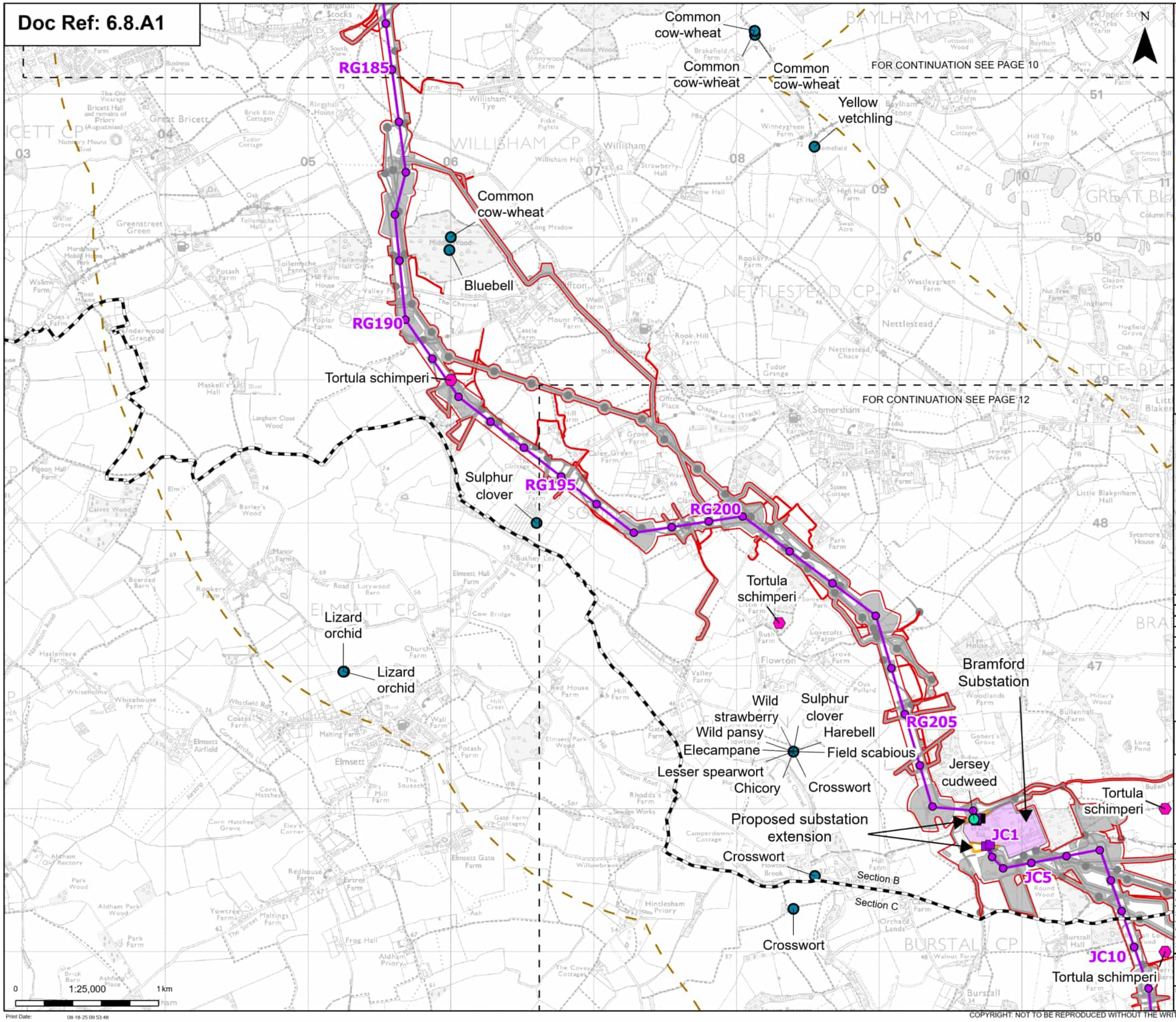
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Checked	A. Fell	Date	21 Aug 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00338
Revision: A

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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

- 2 km Study Area
- Protected / notable plant species (field survey record)
- Protected / notable plant species (desk study records)
- Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Suitability Description: Accepted as Concept Stage

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RG200
RG205
JC1
JC5
JC10
JC15
JC20
Tortula schimperi
Bramford Substation
Wild strawberry
Sulphur clover
Wild pansy
Harebell
Elecampane
Field scabious
Lesser spearwort
Chicory
Crosswort
Jersey cudweed
Proposed substation extension
Section B
Section C
Wild clary
Bluebell
Hoary plantain
Oak-leaved goosefoot
FOR CONTINUATION SEE PAGE 11
FOR CONTINUATION SEE PAGE 13
FOR CONTINUATION SEE PAGE 14
0 1:25,000 1 km
Print Date: 08-18-25 09:53:53

N

- 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

- 2 km Study Area
- Protected / notable plant species (field survey record)
- Protected / notable plant species (desk study records)
- Protected / notable species of mosses or fungi (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
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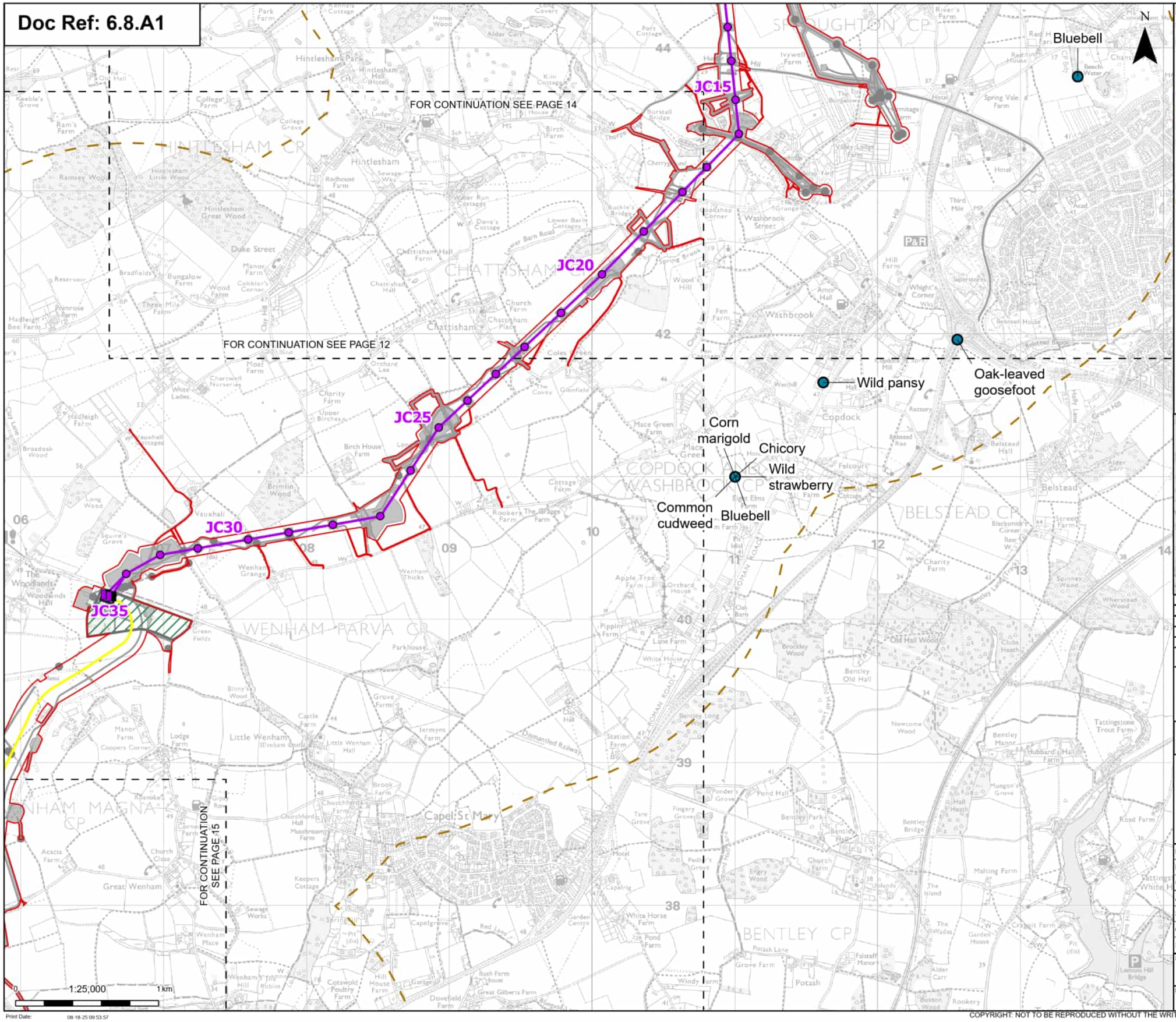
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00338

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Doc Ref: 6.8.A1



- Order limits
- Sheet index cutline

Proposed project design details

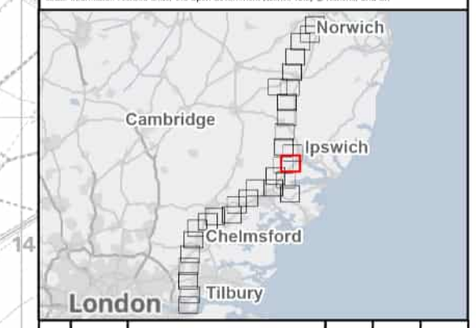
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end (CSE) compound
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 13 of 31

Designed	A. Pinkney	Date	21 Aug 25
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Heath speedwell

Ragged-robin

Bluebell

JC20

JC25

JC30

JC35

FOR CONTINUATION SEE PAGE 12

FOR CONTINUATION SEE PAGE 15

FOR CONTINUATION SEE PAGE 13

FOR CONTINUATION SEE PAGE 16

0 1:25,000 1 km

Print Date: 08-18-25 09:54:01

N

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 (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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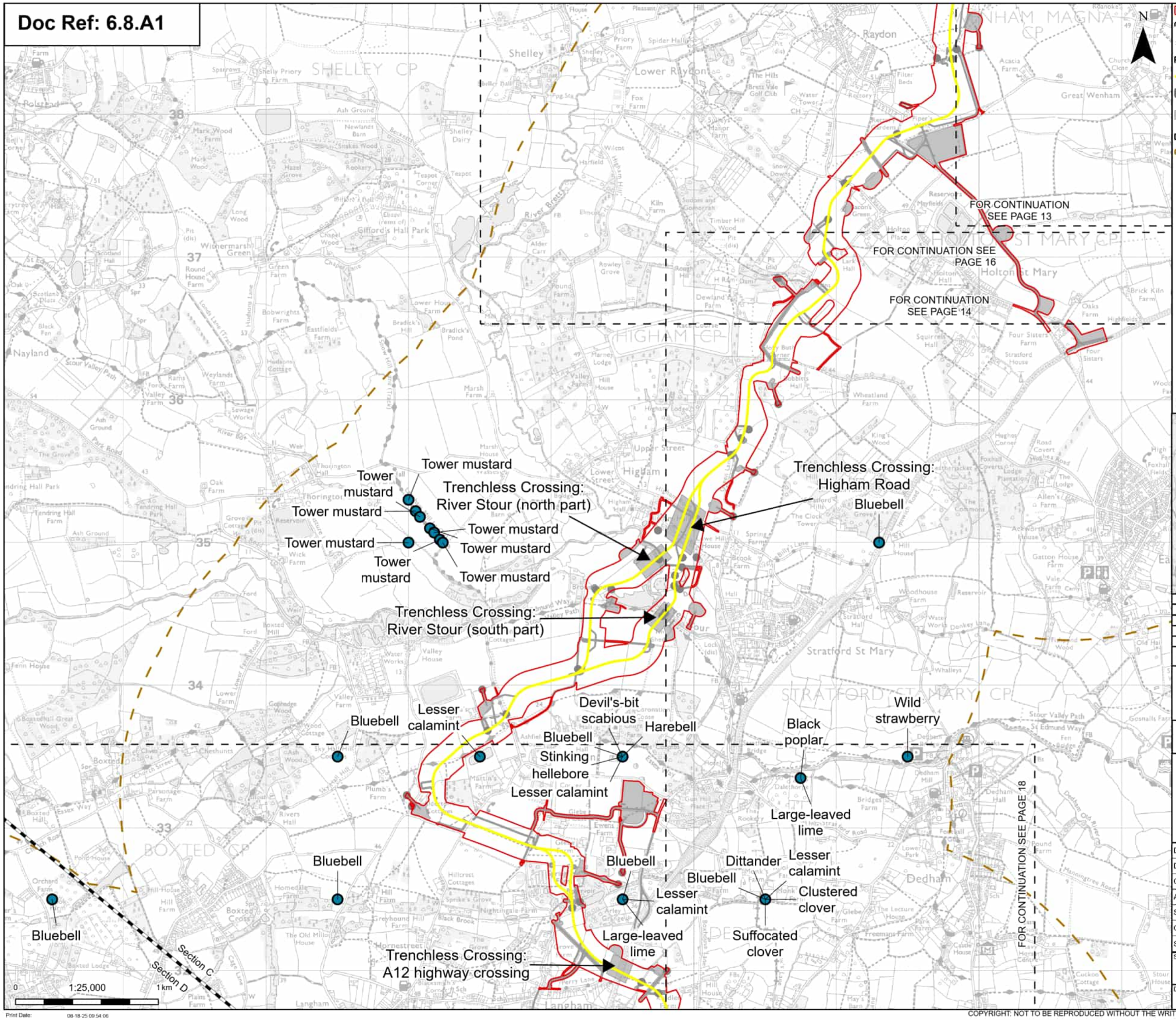
Suitability Description: Accepted as Concept Stage

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Order limits
Sheet index cutline
Project section line

Proposed project design details

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

Discipline specific constraints

2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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FOR CONTINUATION SEE PAGE 14

FOR CONTINUATION SEE PAGE 15

FOR CONTINUATION SEE PAGE 18

FOR CONTINUATION SEE PAGE 17

Trenchless Crossing: Higham Road

Bluebell

Wild strawberry

Black poplar

Large-leaved lime

Clustered clover

Lesser calamint

Bluebell

Dittander

Suffocated clover

Bluebell

Field scabious

Wood-sorrel

Black poplar

Field scabious

Early meadow-grass

Harebell

0 1:25,000 1 km

Print Date: 08-18-25 09:54:09

N

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed underground cable alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Regulation 5(2)(a)&(I)(ii)

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Field scabious

Harebell

FOR CONTINUATION SEE PAGE 16

TB10

Jersey cudweed

Jersey cudweed

Early meadow-grass

Proposed EACN Substation

TB1

TB5

Jersey cudweed

Trenchless Crossing: Railway crossing (east of Ardleigh)

Early meadow-grass

Early meadow-grass

FOR CONTINUATION SEE PAGE 18

Early meadow-grass

Dittander

0 1:25,000 1 km

Print Date: 08-18-25 09:54:13

N

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 DNO Substation
Proposed East Anglia Connection Node (EACN) Substation
Environmental area
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area
Protected / notable plant species (field survey record)
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Bluebell
Lesser calamint
Bluebell
Stinking hellebore
Harebell
Lesser calamint
Large-leaved lime
Wild strawberry
Black poplar
Bluebell
Bluebell
Dittander
Lesser calamint
Clustered clover
Bluebell
Lesser calamint
Large-leaved lime
Suffocated clover
Trenchless Crossing: A12 highway crossing
Early meadow-grass
Harebell
Small cudweed
Jersey cudweed
Jersey cudweed
Bluebell
Dittander
Trenchless Crossing: Railway crossing (eas of Ardleigh)
Tormentil

TB30
TB25
TB20
TB15
TB10

FOR CONTINUATION SEE PAGE 19
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Section C
Section D

BOXTED CP
LANGHAM CP
ARDLEIGH CP
Dedham
Dedham Heath
Langham
Boxted
Mile End
Ardleigh Heath
Ardleigh Reservoir
Crockleford Heath

N

0 1:25,000 1 km

Print Date: 08-18-25 09:54:17

- 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 (CSE) compound
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (field survey record)
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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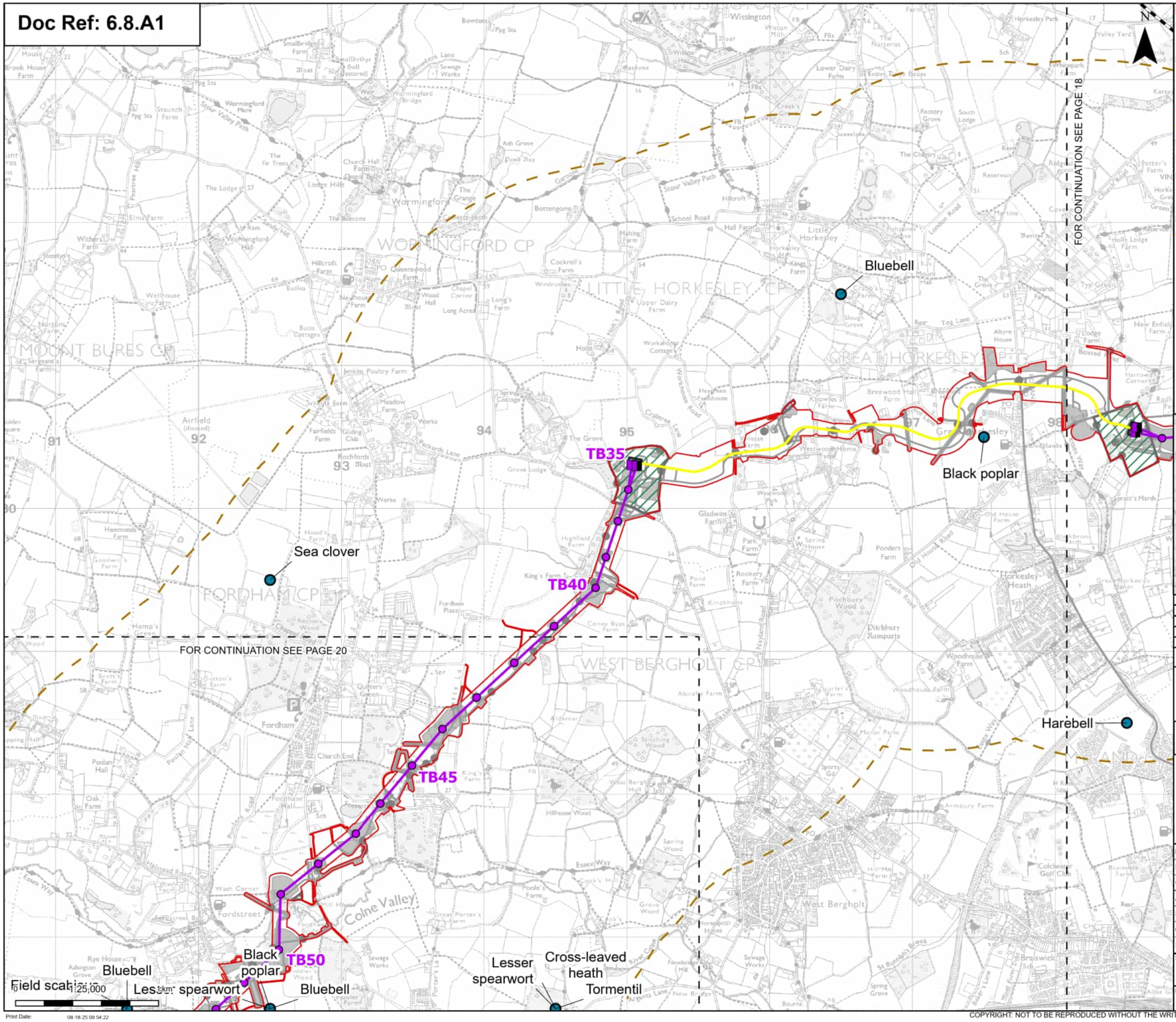
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- Sheet index cutline
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Proposed project design details

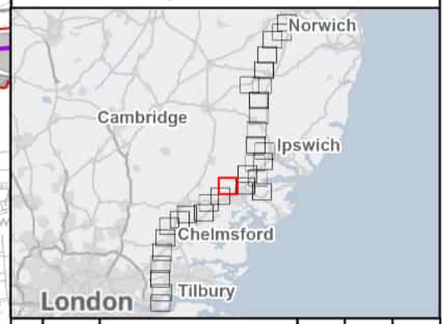
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 19 of 31

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

Suitability Description: Accepted as Concept Stage

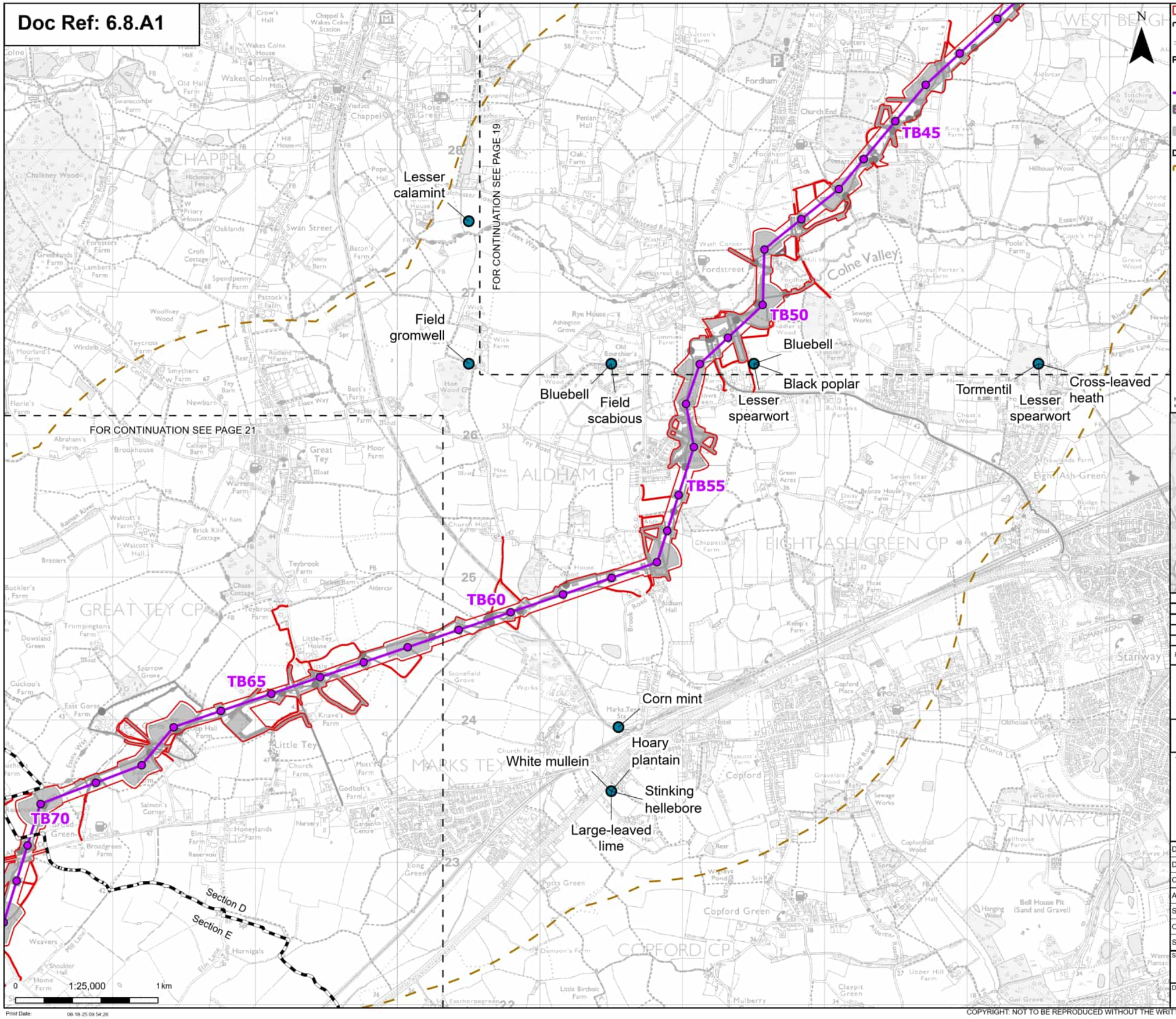
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Revision: A

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Order limits
Sheet index cutline
Project section line

Proposed project design details

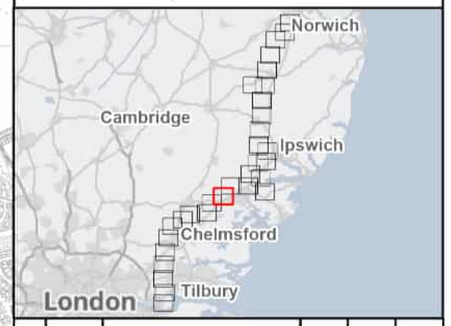
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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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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Wild strawberry

Bluebell

Long-headed clover

Field scabious

Hoary plantain

Large-leaved lime

Long-headed clover

Hoary plantain

Field scabious

Field scabious

Field scabious

TB65

TB70

TB75

TB80

TB85

TB90

Section D

Section E

FOR CONTINUATION SEE PAGE 20

FOR CONTINUATION SEE PAGE 22

GREAT TEY CP

COGGESHALL CP

FEERING CP

KELVEDON CP

0 1:25,000 1km

Print Date: 08-18-25 09:54:30

N

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

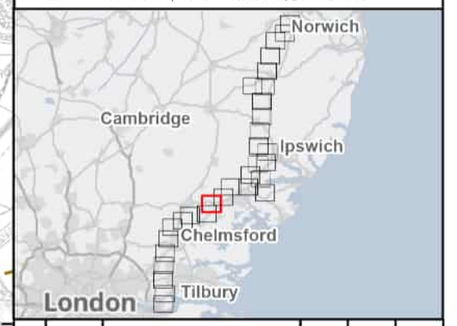
Discipline specific constraints

2 km Study Area

Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Suitability Description: Accepted as Concept Stage

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Revision: A

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Field scabious
Hoary plantain
Large-leaved lime
Long-headed clover
TB80
Small cudweed
Field scabious
Hoary plantain
Field scabious
TB85
Field scabious
FOR CONTINUATION SEE PAGE 23
Corn spurrey
Hoary plantain
Field scabious
TB90
FOR CONTINUATION SEE PAGE 21
Dittander
Marsh-mallow
Woad
Hoary plantain
White horehound
Field scabious
TB95
TB100
Hoary plantain
Field scabious
ROMAN SETTLEMENT (site of)
RIVENHALL CP
SILVER END CP
KELVEDON CP
FEERING CP
WITHAM
GREAT BRAXTED CP
ROMAN ROAD
0 1:25,000 1 km

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

2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Norwich
Cambridge
Ipswich
Chelmsford
Tilbury
London

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

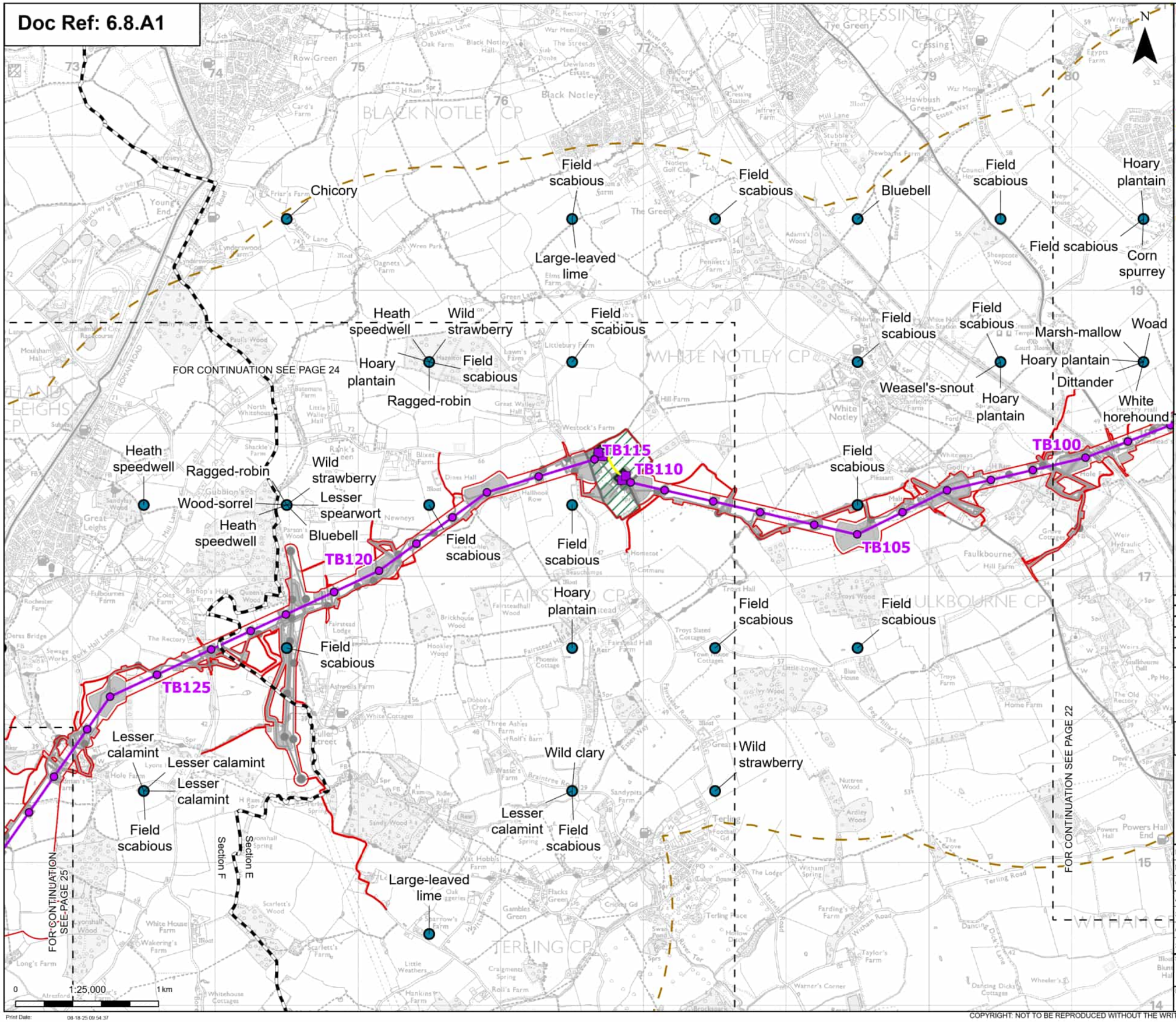
Suitability Description: Accepted as Concept Stage

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Doc Ref: 6.8.A1



N

- 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 (CSE) compound
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Ragged-robin
Wild strawberry
Hoary plantain
Heath speedwell
Field scabious
Field scabious
Heath speedwell
Heath speedwell
Wild strawberry
Wood-sorrel
Lesser spearwort
Ragged-robin
Bluebell
TB115
TB110
TB120
Field scabious
Field scabious
Field scabious
Hoary plantain
Field scabious
Field scabious
Field scabious
Field scabious
Large-leaved lime
TB125
Field scabious
Lesser calamint
Lesser calamint
Lesser calamint
Field scabious
Lesser calamint
Wild clary
Wild strawberry
Field scabious
Field scabious
Hoary plantain
Bluebell
Field scabious
TB130
Section F
Section E
FOR CONTINUATION SEE PAGE 23
FOR CONTINUATION SEE PAGE 25
Large-leaved lime
Field scabious
TB135
Hoary plantain
Field scabious
TB140
Hoary plantain
Lesser calamint
Lesser calamint
Black poplar
TB145
0 1:25,000 1 km
Print Date: 08-18-25 09:54:42

N

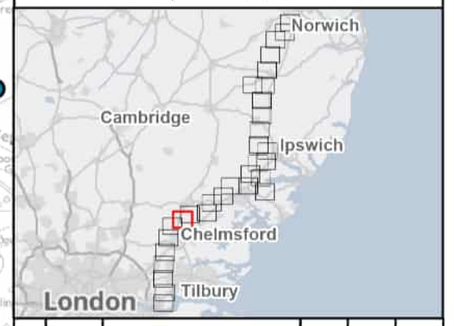
Order limits
Sheet index cutline
Project section line

Proposed project design details
Proposed low duty gantry
Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end (CSE) compound
Environmental area
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints
2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00338
Revision: A

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Field scabious
Field scabious
Bluebell
Field scabious
Hoary plantain
Field scabious
Field scabious
Hoary plantain
Field scabious
Bluebell
Hoary plantain
Field scabious
Lesser calamint
Lesser calamint
Black poplar
Field scabious
Lesser calamint
Ragged-robin

TB130
TB135
TB140
TB145
TB150
TB155

FOR CONTINUATION SEE PAGE 23
FOR CONTINUATION SEE PAGE 24
FOR CONTINUATION SEE PAGE 26

PLESHEY CP
MASHBURY CP
CHIGNALL CP
LITTLE WALTHAM CP
BROOMFIELD CP

0 1:25,000 1 km

Print Date: 08-18-25 09:54:46

N

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

2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 25 of 31

Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	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-EBD-ZZ-DR-ZZ-00338
Revision: A

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Field scabious

Ragged-robin

Field scabious

Lesser calamint

Field scabious

Field scabious

Hoary plantain

Field pepperwort

Hoary plantain

TB150

TB155

TB160

TB165

TB170

TB175

FOR CONTINUATION SEE PAGE 25

FOR CONTINUATION SEE PAGE 27

0 1:25,000 1 km

N

- 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

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

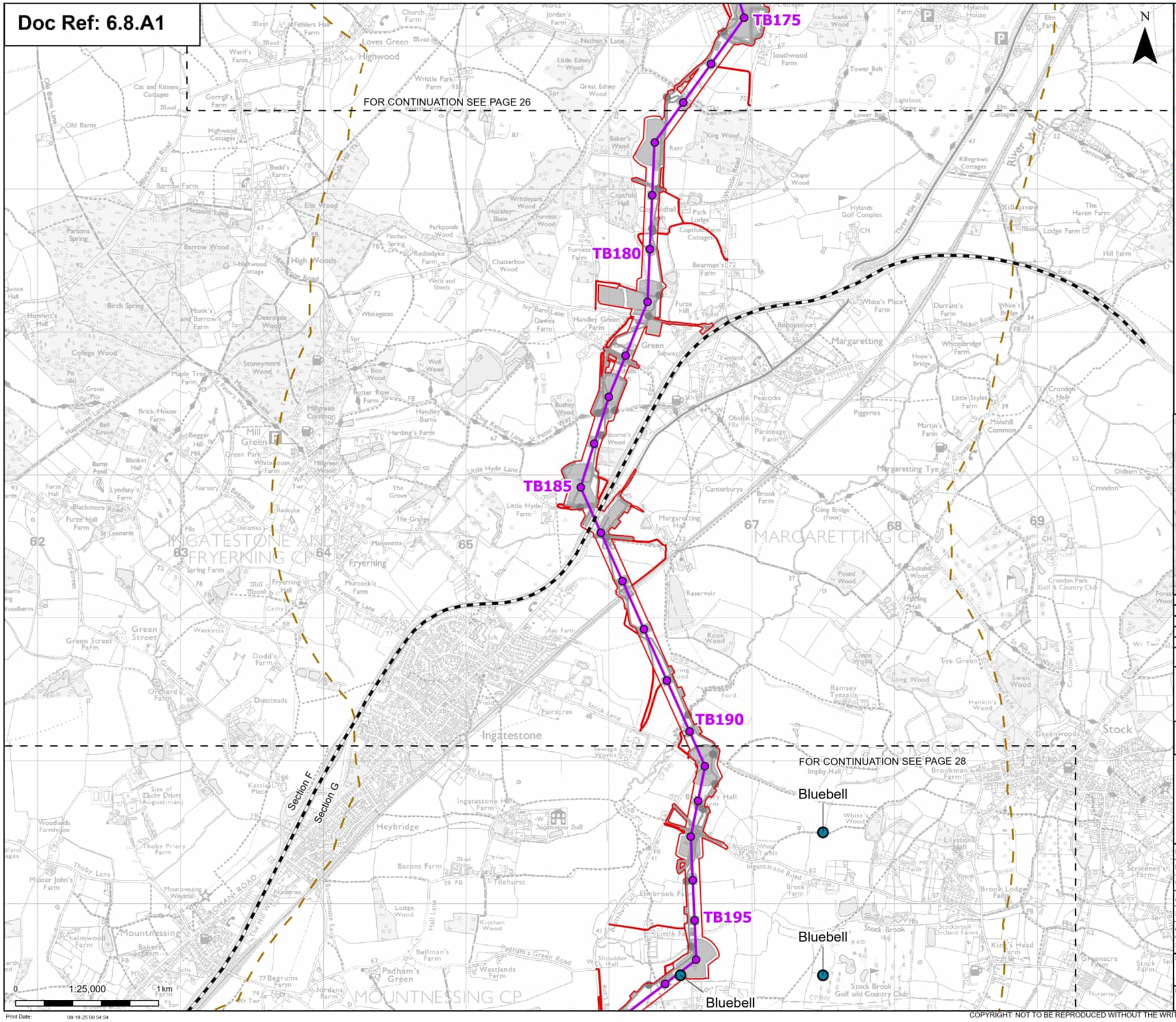
Suitability Description: Accepted as Concept Stage

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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

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
Drawn	S. Sarkar	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

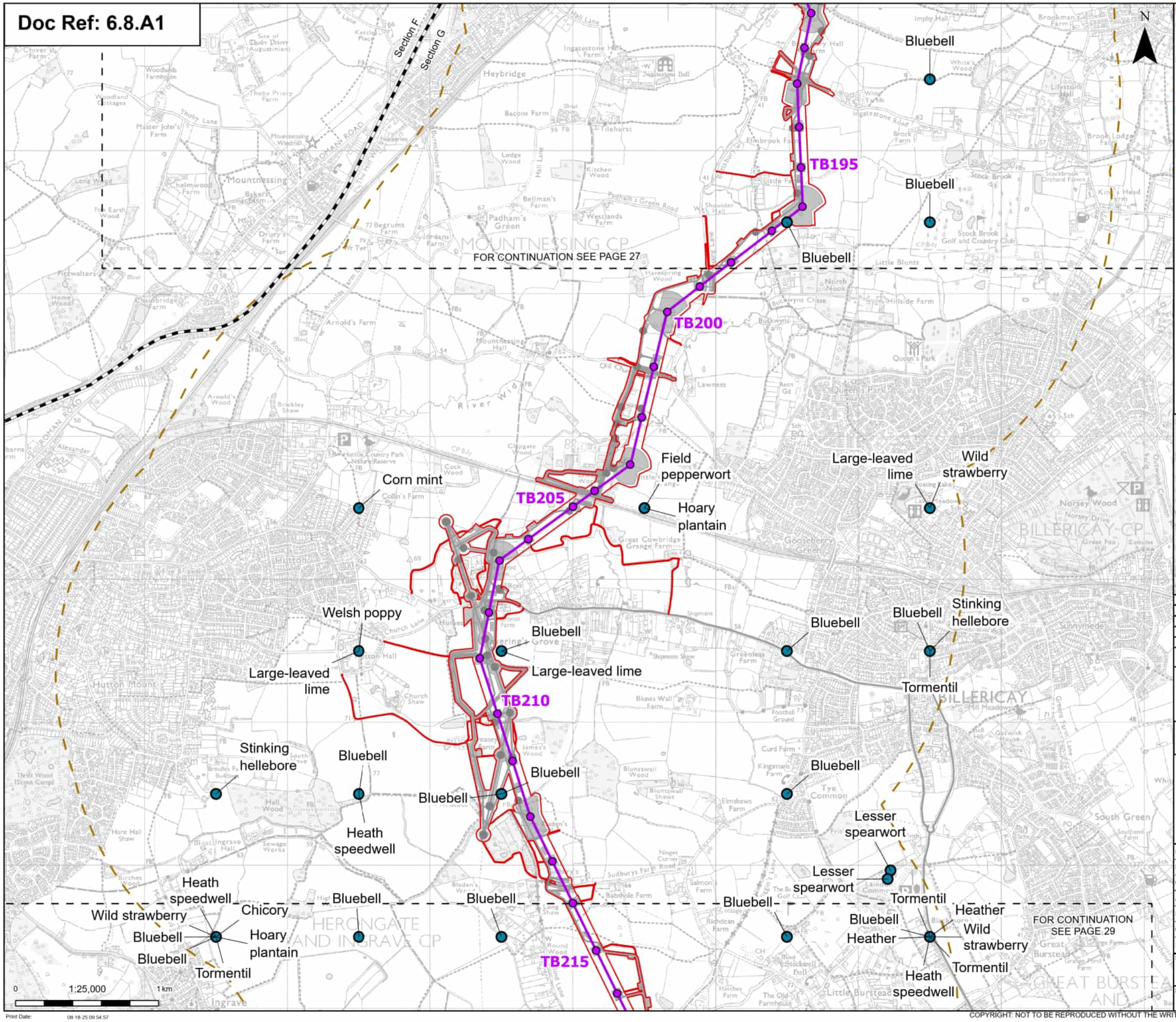
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Order limits
Sheet index cutline
Project section line

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

2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
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Designed	A. Pinkney	Date	21 Aug 25
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Original Size:	A3	Grid:	OS
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Chicory
Wild strawberry
Bluebell
Bluebell
Bluebell
Bluebell
Bluebell
Bluebell
Wild strawberry
Heather
Tormentil
Bluebell
Heather
Tormentil

FOR CONTINUATION SEE PAGE 28

Hoary plantain

TB215
TB220
TB225
TB230
TB235

Bluebell
Bluebell
Bluebell
Hoary plantain
Carline thistle
Treacle-mustard
Goldenrod
Black poplar
Field pepperwort
Bluebell
Annual beard-grass
Frogbit
Quaking-grass
Common eyebright
Chives
Bluebell
Bluebell
Bloody crane's-bill
Wood-sorrel

FOR CONTINUATION SEE PAGE 30

Section G
Section H

0 1:25,000 1 km

Print Date: 08-18-25 09:55:02

N

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

2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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Regulation 5(2)(a)&(I)(ii)

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 29 of 31

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FOR CONTINUATION SEE PAGE 29

FOR CONTINUATION SEE PAGE 31

Chives
Bluebell
Bluebell
Wood-sorrel
Bloody crane's-bill
Section G
Section H
Harebell
Bluebell
Black poplar
TB240
Field pepperwort
Bluebell
Bluebell
Dyer's greenweed
Bluebell
Corn spurrey
Field pepperwort
TB245
Chives
Welsh poppy
Bloody crane's-bill
Large-leaved lime
Field scabious
Dittander
Field pepperwort
Bloody crane's-bill
Jersey cudweed
Bluebell
Annual beard-grass
TB250
Wild clary
Field pepperwort
Chicory
Dittander
TB255
Lesser calamint
Loose silky-bent
Stinking hellebore
Annual beard-grass
Four-leaved allseed
Field scabious
Lesser calamint
Bluebell
Chicory
Four-leaved allseed
Chicory
Field scabious
Clustered clover
Clustered clover
Proposed Tilbury North Substation
Small cudweed
Field scabious
Chicory
YYJ115
Annual beard-grass
Stinking hellebore
Dittander
Clustered clover
Bluebell
Field pepperwort
Field scabious
Bluebell
Field scabious
Chicory
TB260
Wild clary
Carline thistle
Small cudweed
Field pepperwort
Corn spurrey
Smooth cat's-ear
Annual beard-grass
Dittander
Autumn squill
Field pepperwort
ZB20
YYJ120
ZB15RA
Clustered clover
Bluebell
Hoary plantain
Sand
soft-brome
Sea-buckthorn
Field pepperwort
Hoary plantain
Bluebell
Clustered clover
Clustered clover
Bluebell
Clustered clover
Bluebell

0 1:25,000 1 km

Print Date: 08-18-25 09:55:06

N

Order limits
Sheet index cutline
Project section line

Proposed project design details

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

Discipline specific constraints

2 km Study Area
Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 30 of 31

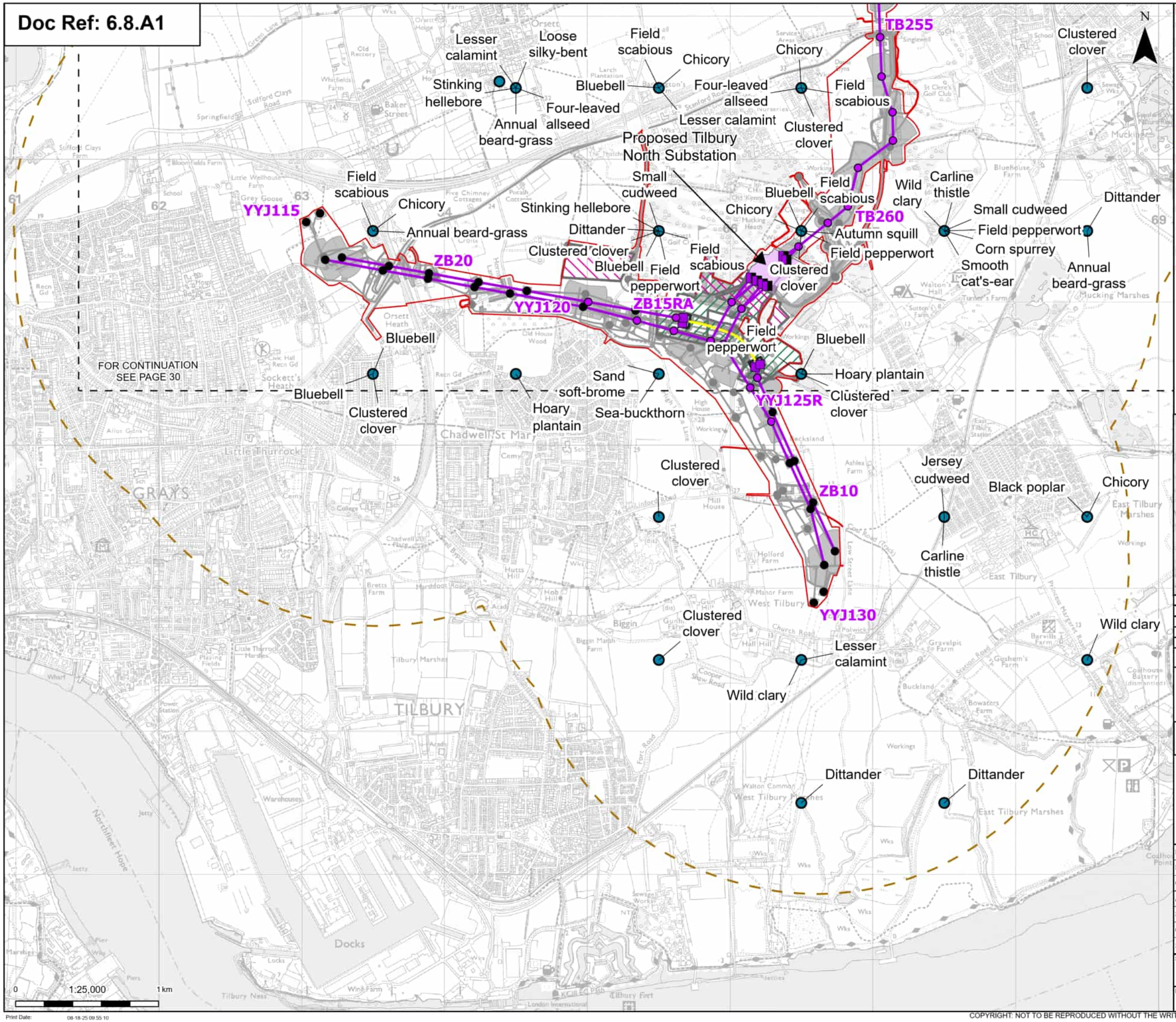
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Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

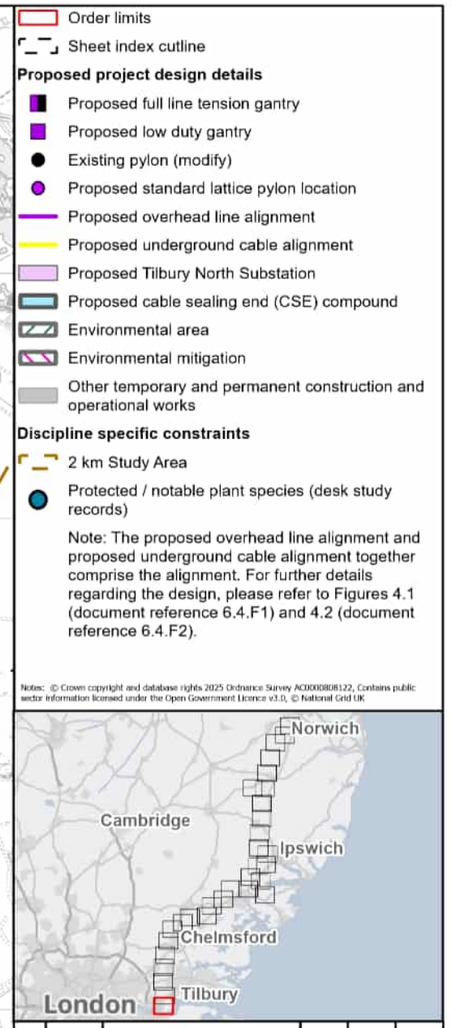
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00338 Revision: A

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Doc Ref: 6.8.A1





N

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 (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Protected / notable plant species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.5 - Ecology and Biodiversity - Protected / Notable Plant Species
Page 31 of 31

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

Suitability Description: Accepted as Concept Stage

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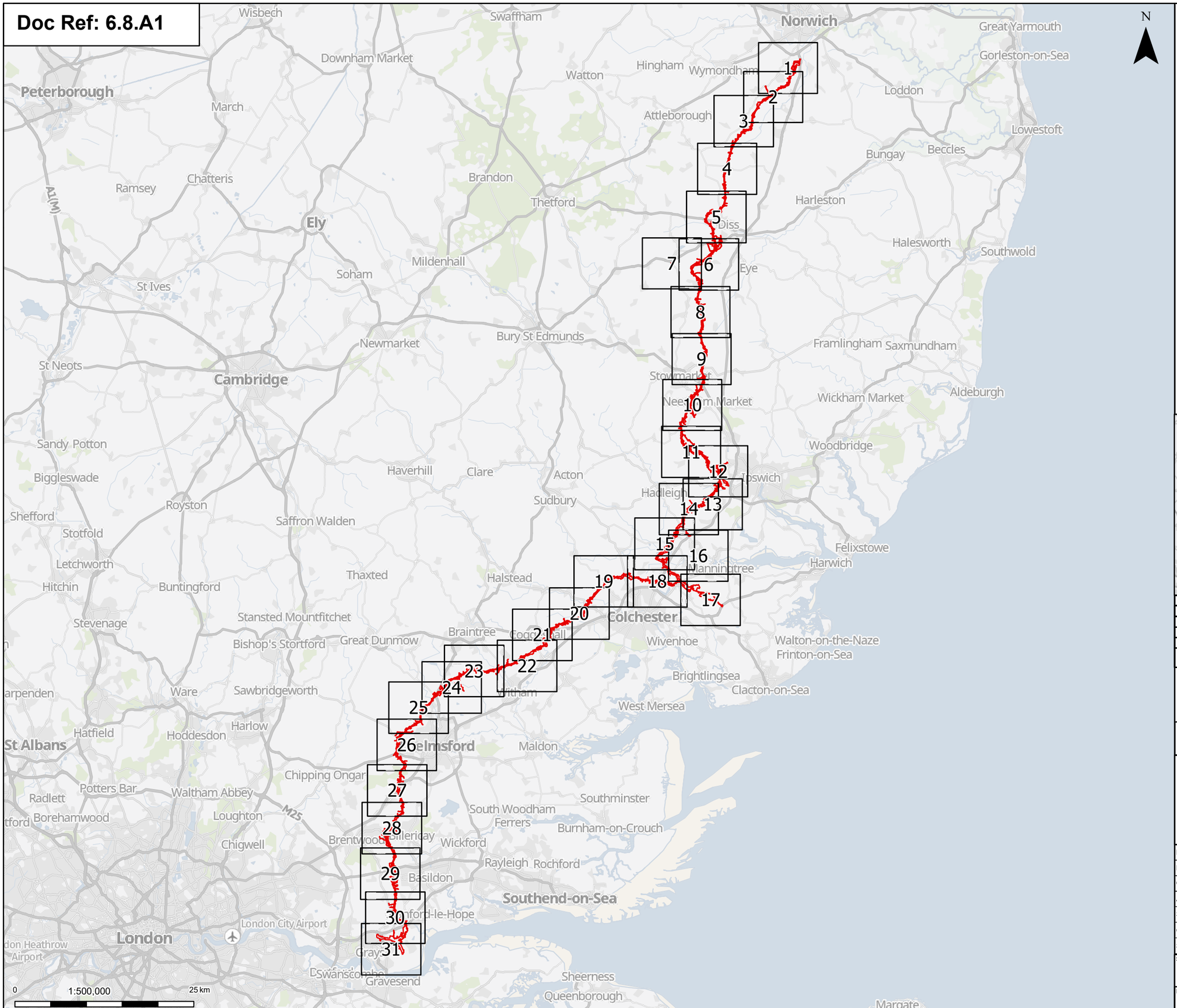
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Figure A8.1.6 - Invasive Plant Species (Rev B)

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species Overview

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
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Norwich Main Substation Extension (Future Baseline)

Norwich Main Substation

RG1

RG5

RG10

RG15

RG20

FOR CONTINUATION SEE PAGE 2

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Print Date: 10-13-25 16:57:14

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Proposed project design details

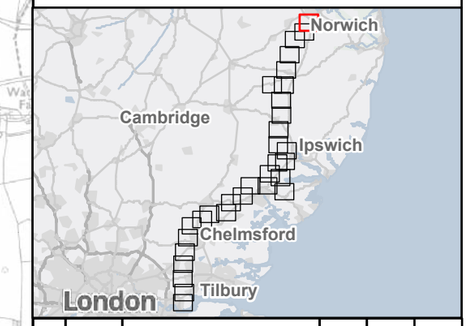
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Norwich Main Substation
- Norwich Main Substation Extension (future baseline)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 1 of 31

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

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RG10
RG15
RG20
RG25
RG30
RG35

FOR CONTINUATION SEE PAGE 1
FOR CONTINUATION SEE PAGE 3

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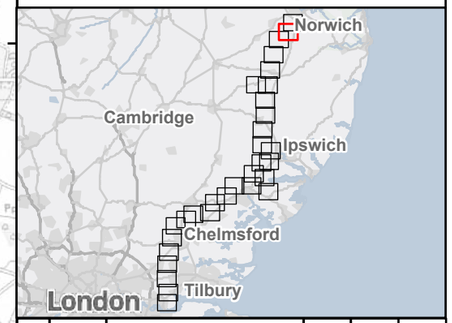
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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

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RG25

RG30

RG35

RG40

RG45

FOR CONTINUATION SEE PAGE 2

FOR CONTINUATION SEE PAGE 4

N

0 1:25,000 1 km

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Order limits

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Environmental mitigation

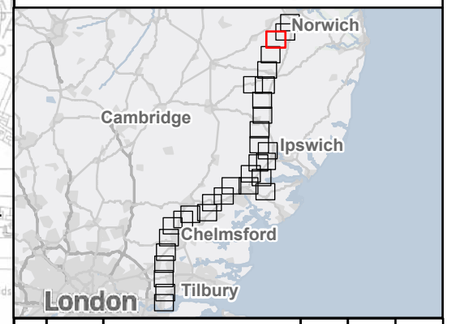
Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 3 of 31

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

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FOR CONTINUATION SEE PAGE 5

RG50

RG55

RG60

RG65

N

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Print Date: 10-13-25 16:57:31

Order limits

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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

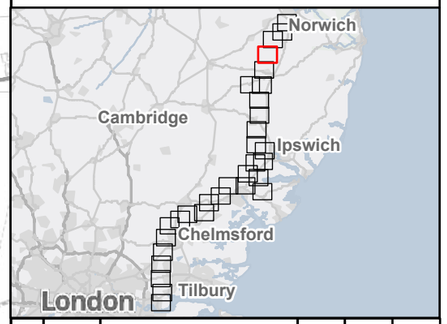
Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 4 of 31

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Description: Accepted as Concept Stage

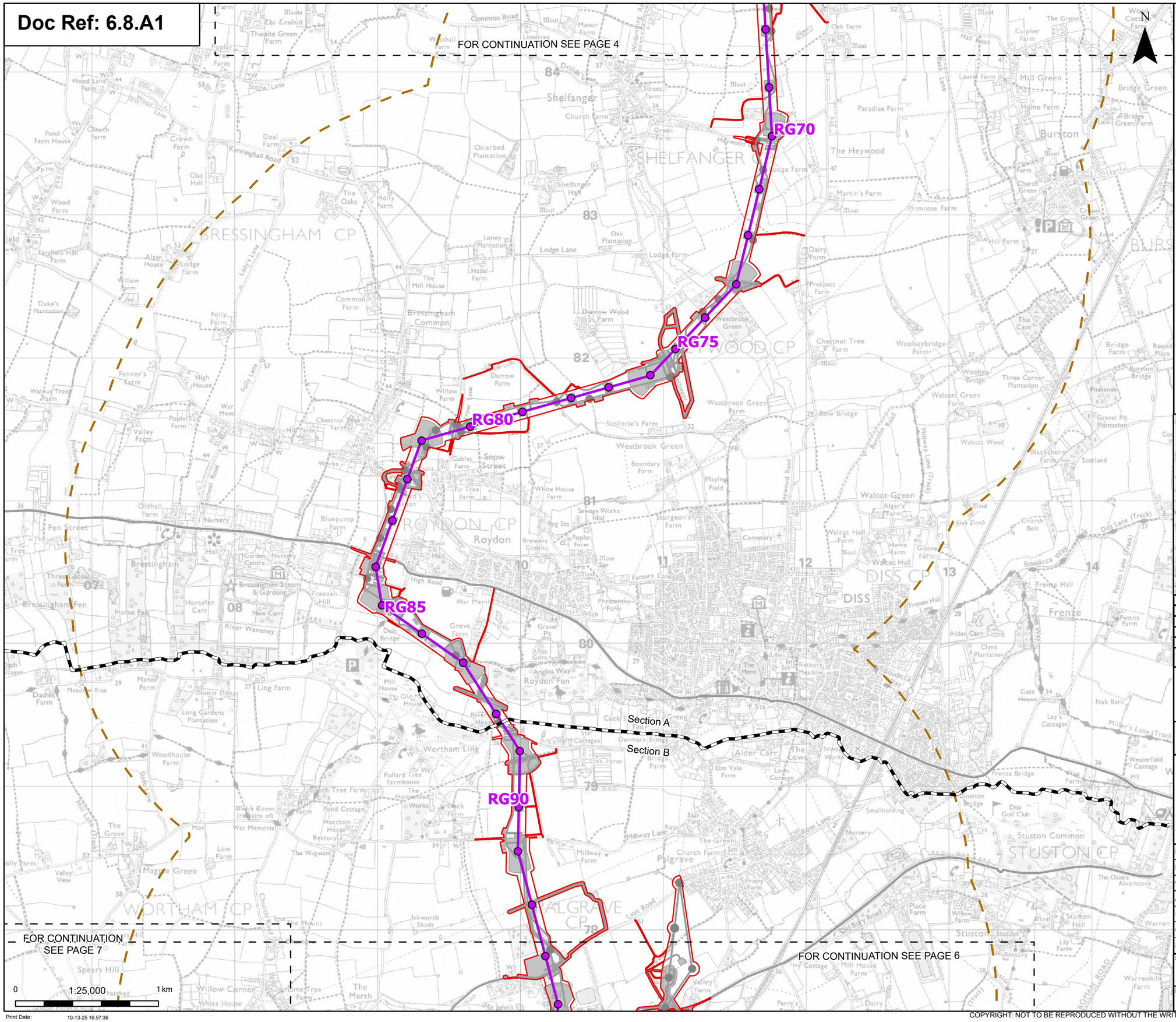
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FOR CONTINUATION SEE PAGE 7

FOR CONTINUATION SEE PAGE 6

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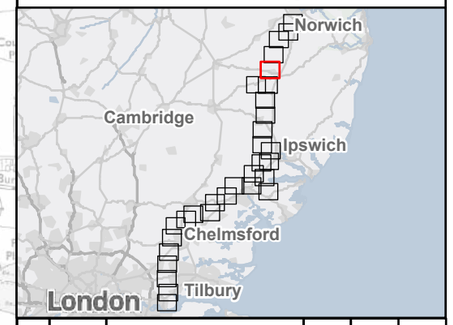
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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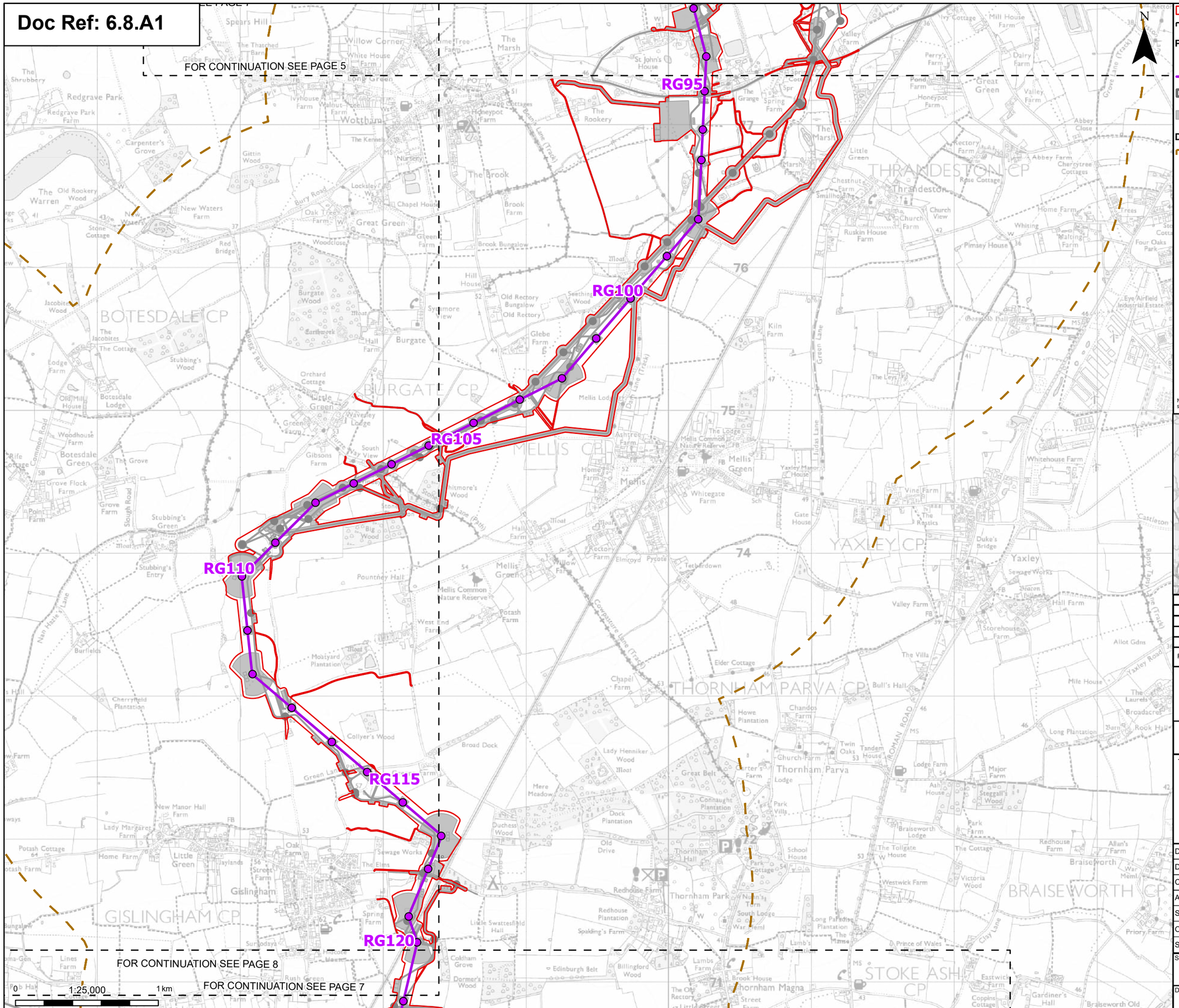
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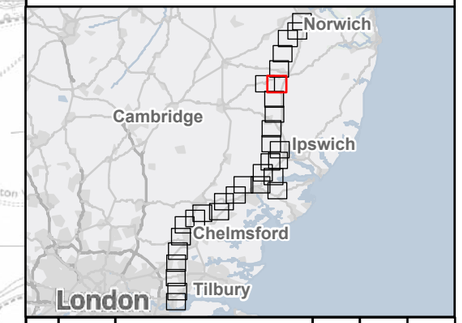
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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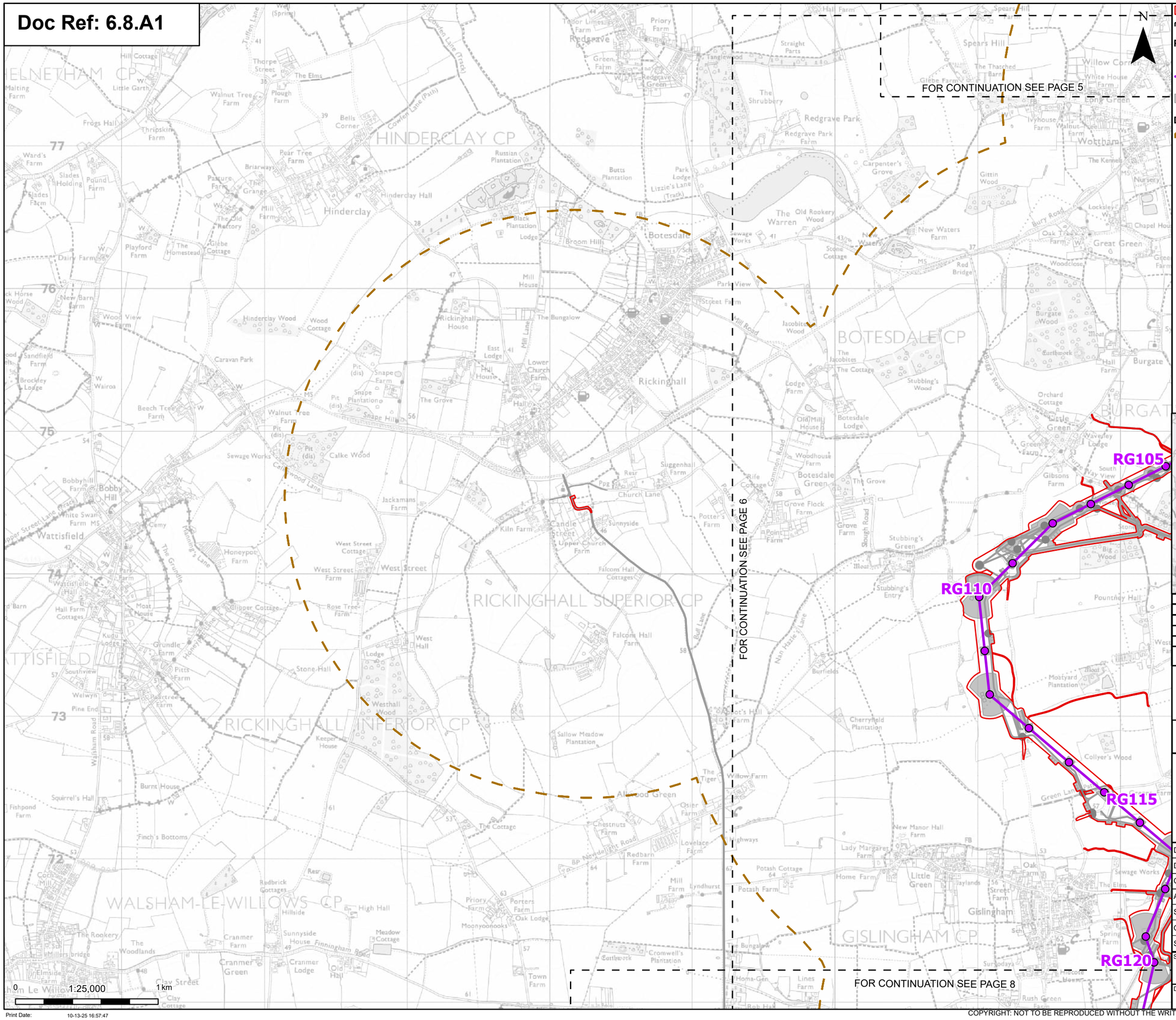
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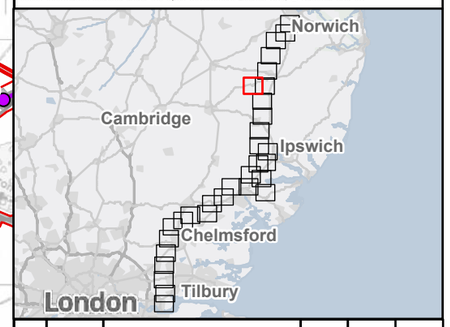
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Drawn	K. Fischer	Date	October 25
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FOR CONTINUATION SEE PAGE 6

N

RG125

RG130

RG135

RG140

FOR CONTINUATION SEE PAGE 9

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Print Date: 10-13-25 16:57:52

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

2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

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Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
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Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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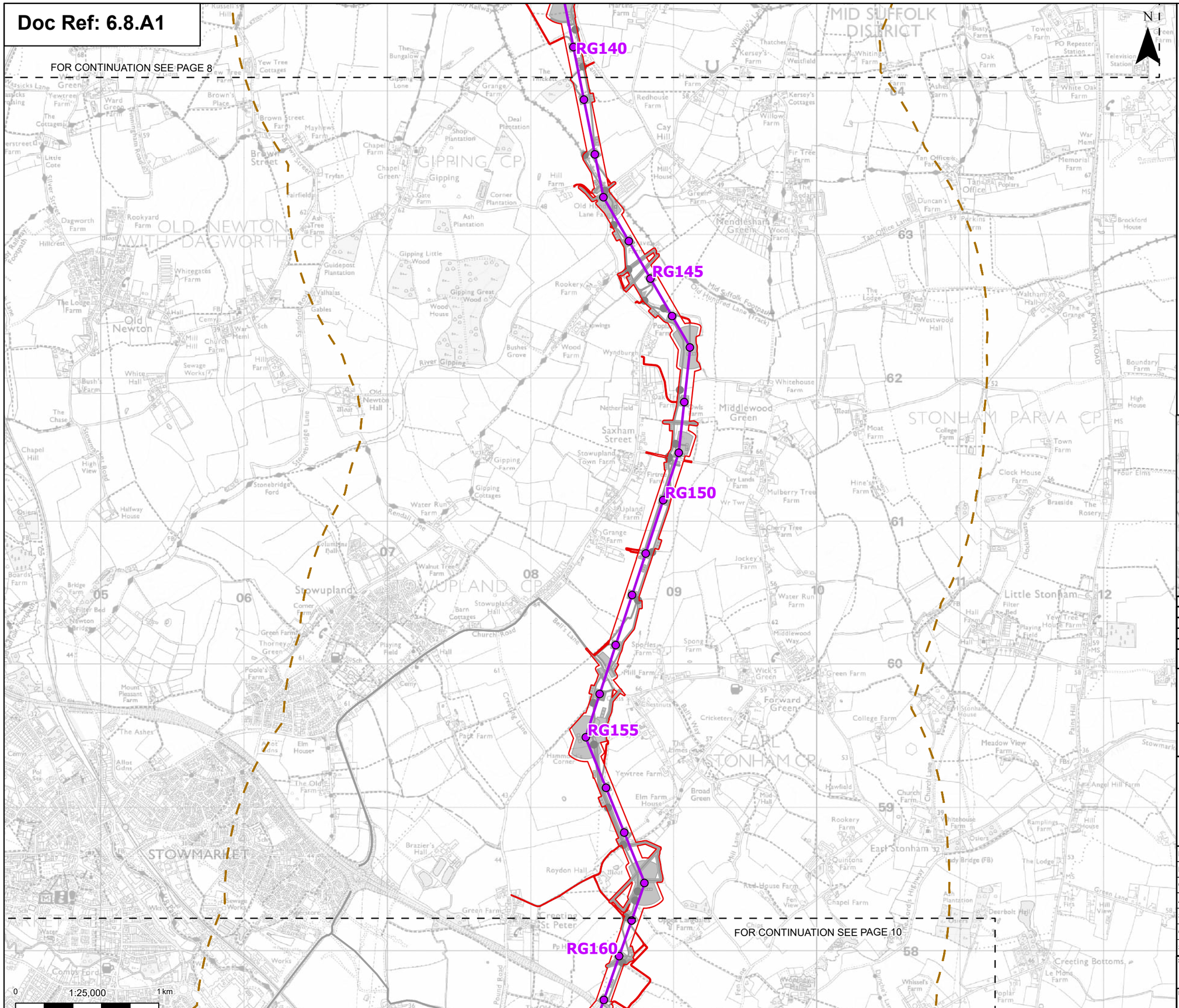
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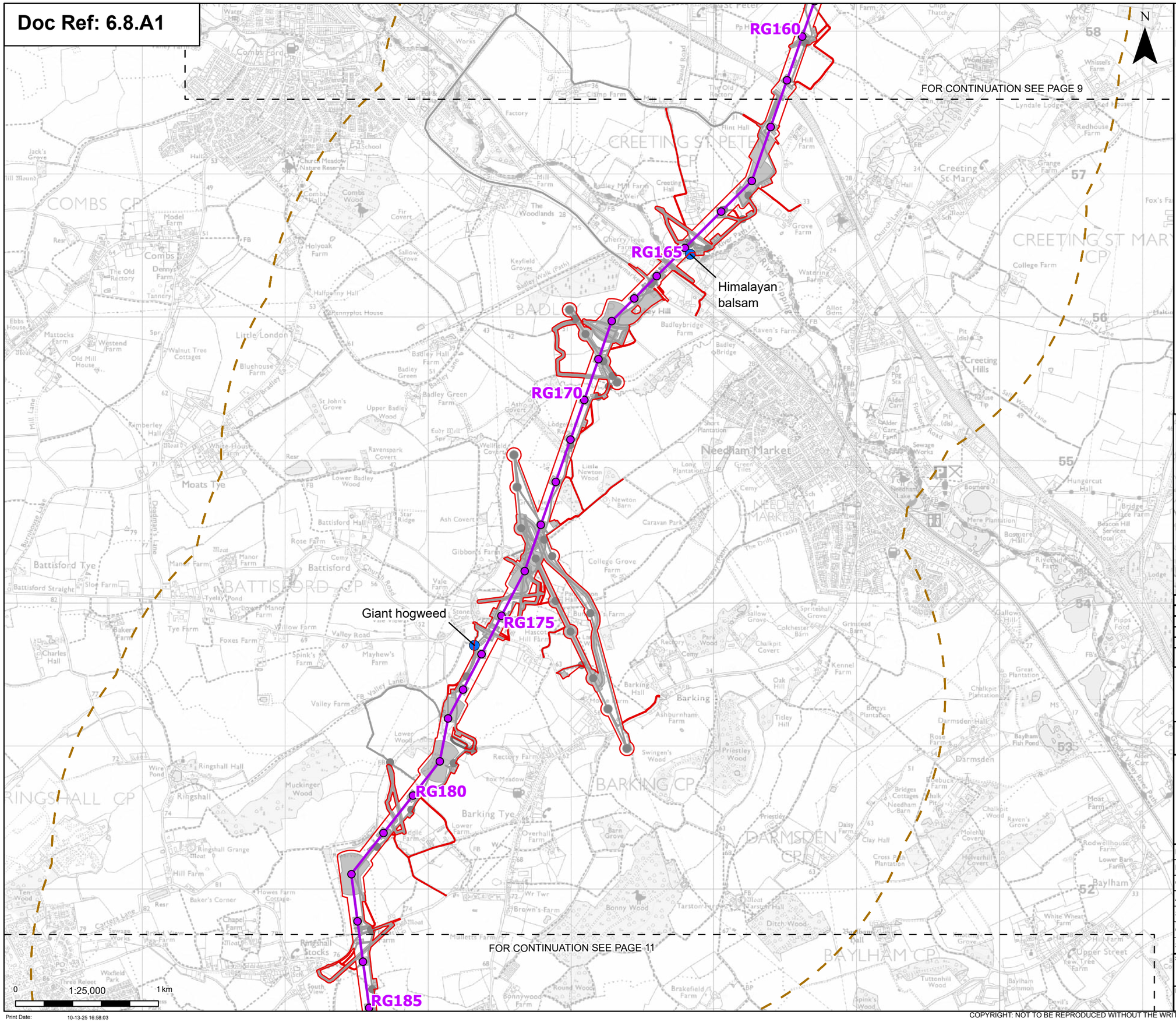
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FOR CONTINUATION SEE PAGE 8


RG140
RG145
RG150
RG155
RG160
GIPPING CP
OLD NEWTON WITH DAGWORTH CP
STOWUPLAND CP
EARL STONHAM CP
STONHAM PARVA CP
MID SUFFOLK DISTRICT
Gipping
Old Newton
Stowupland
Saxham Street
Middlewood Green
Mendlesham Green
Forward Green
Little Stonham
Creeting St Peter
Creeting Bottoms
STOWMARKET
Mid Suffolk Footpath
Old Hundred Lane (Track)
River Gipping
Gipping Great Wood
Gipping Little Wood
Shop Plantation
Deal Plantation
Corner Plantation
Ash Plantation
Stonebridge Lane
Sandford Road
Tan Office Lane
Pakins Lane
Church Lane
Hill Lane
Rendall Lane
Pound Road
Bells Lane
Creeting Lane
Green Lane
Ipswich Road
Old Newton Hall
Stowupland Hall
Tan Office
Tan Office Farm
Mill Hill
Church Farm
Sewage Works
Water Run Farm
Walnut Tree Farm
Upland Farm
Grange Farm
Cherry Tree Farm
Jockey's Farm
Spong Farm
Wick's Green
Green Farm
College Farm
Meadow View Farm
Angel Hill Farm
Hawfield
Broad Green
Elm Farm House
Yewtree Farm
Hammond Corner
Roydon Hall
Red House Farm
Fen View
Chapel Farm
Deerbolt Hill
Quintons Farm
Ramplings Farm
Whitehouse Farm
Earl Stonham
Clock House Farm
Braeside
The Rosery
Le Mons Farm
Poplar Farm
Whissel's Farm
Fen Lane
Chips
Opper Langdales Farm
Pp
Works
Comus Ford
Halfway House
Boards Farm
Bridge Farm
Filter Bed
Newton Bridge
Mount Pleasant Farm
The Ashes
Allot Gdns
Pol Sta
Cemy
Elm House
The Old Farm
Brazier's Hall
Roydon Hall
Thorney Green
Poole's Farm
Playing Field
Barn Cottages
Walnut Tree Farm
Columbine Hall
Rookery Farm
Wood Farm
Wyndburgh
Netherfield
Stowupland Town Farm
Firtree Farm
Ley Lands Farm
Mulberry Tree Farm
Wr Twr
Hine's Farm
Moat Farm
Town Farm
Four Elms
High House
Boundary Farm
Westwood Hall
Waltham Hall
The Grange
Brockford House
Memorial Farm
War Meml
Duncan's Farm
Ashes Farm
White Oak Farm
Oak Farm
Busty Farm
PO Repeater Station
Television Station
Tower Farm
Kersey's Farm
Whitings Farm
Westfield
Harkins Farm
Thatches
The Bungalow
Yew Tree Cottages
Yewtree Farm
Brown's Place
Brown Street Farm
Maylews Farm
Chapel Farm
Chapel Green
Tryfan
Fairfield
Gate Farm
Hill Farm
Old Lane Farm
Mills House
Cay Hill
Redhouse Farm
Willow Farm
Kersey's Cottages
Fir Tree Farm
The Cedars
Green Farm
Poplars
Rookyard Farm
Dagworth Farm
Hillcrest
Whitegates Farm
The Lodge Farm
Guidepost Plantation
Valhalas
Gables
Ash Tree Farm
Lapwings
Bushes Grove
Wood House
Gipping Cottages
Water Run
Rendall Lane
Cherry Tree Farm
Grange Farm
Upland

Doc Ref: 6.8.A1



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

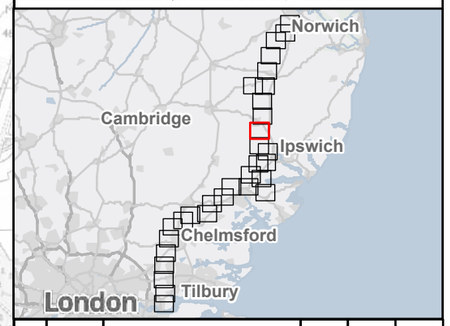
Discipline specific constraints

2 km Study Area

Invasive species (field survey records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 10 of 31

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

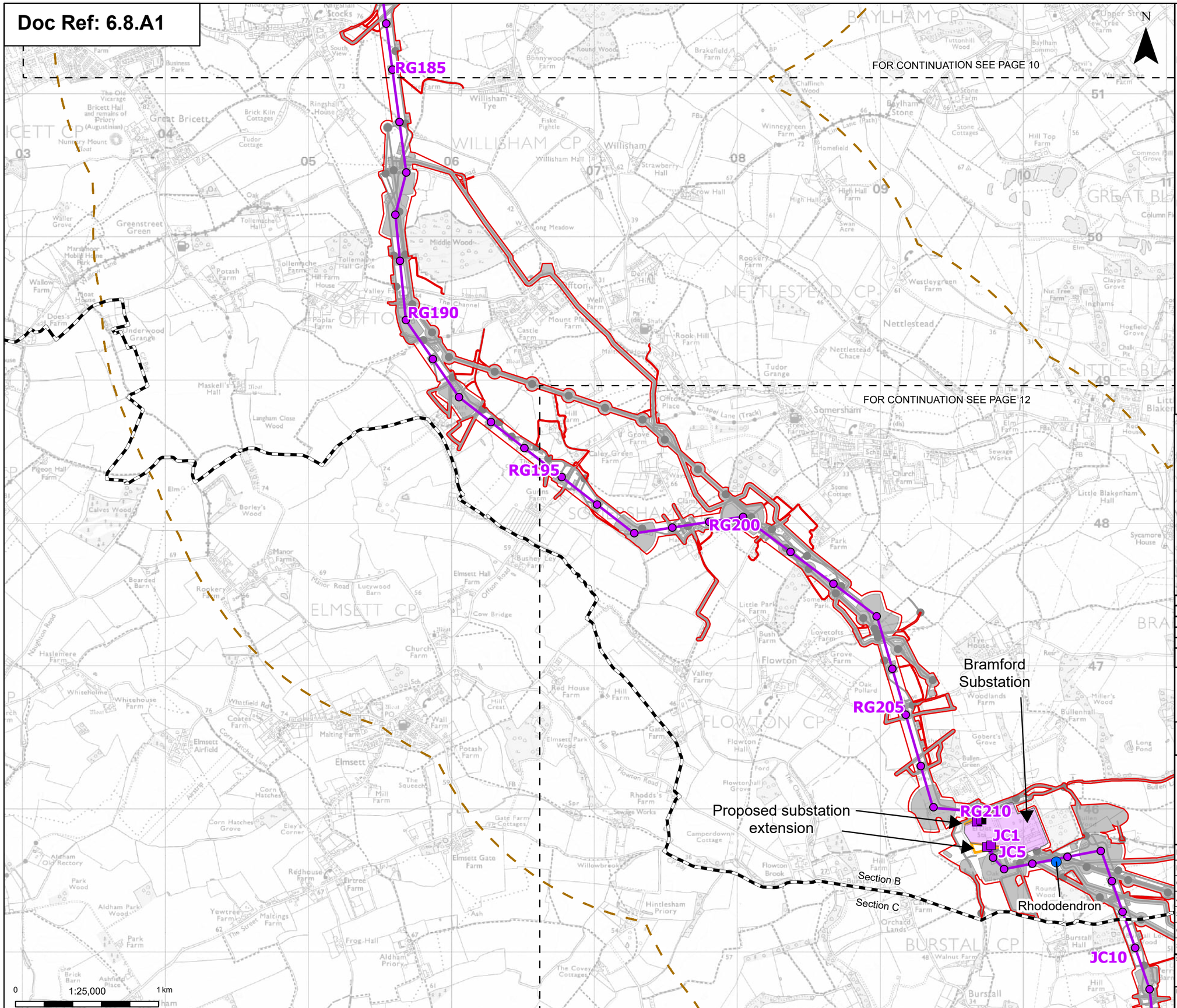
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399

Revision: B

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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

- 2 km Study Area
- Invasive species (field survey records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Suitability Description: Accepted as Concept Stage

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RG195
RG200
RG205
RG210
JC1
JC5
JC10
JC15
JC20
Bramford Substation
Proposed substation extension
Rhododendron
Section B
Section C
FOR CONTINUATION SEE PAGE 11
FOR CONTINUATION SEE PAGE 13
FOR CONTINUATION SEE PAGE 14
BRAMFORD CP
FLOWTON CP
BURSTALL CP
SPROUGHTON CP
HINTLESHAM CP
CHATTISHAM CP
WHITTON CP
0 1:25,000 1 km
Print Date: 10-13-25 16:58:14

N

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

2 km Study Area
Invasive species (field survey records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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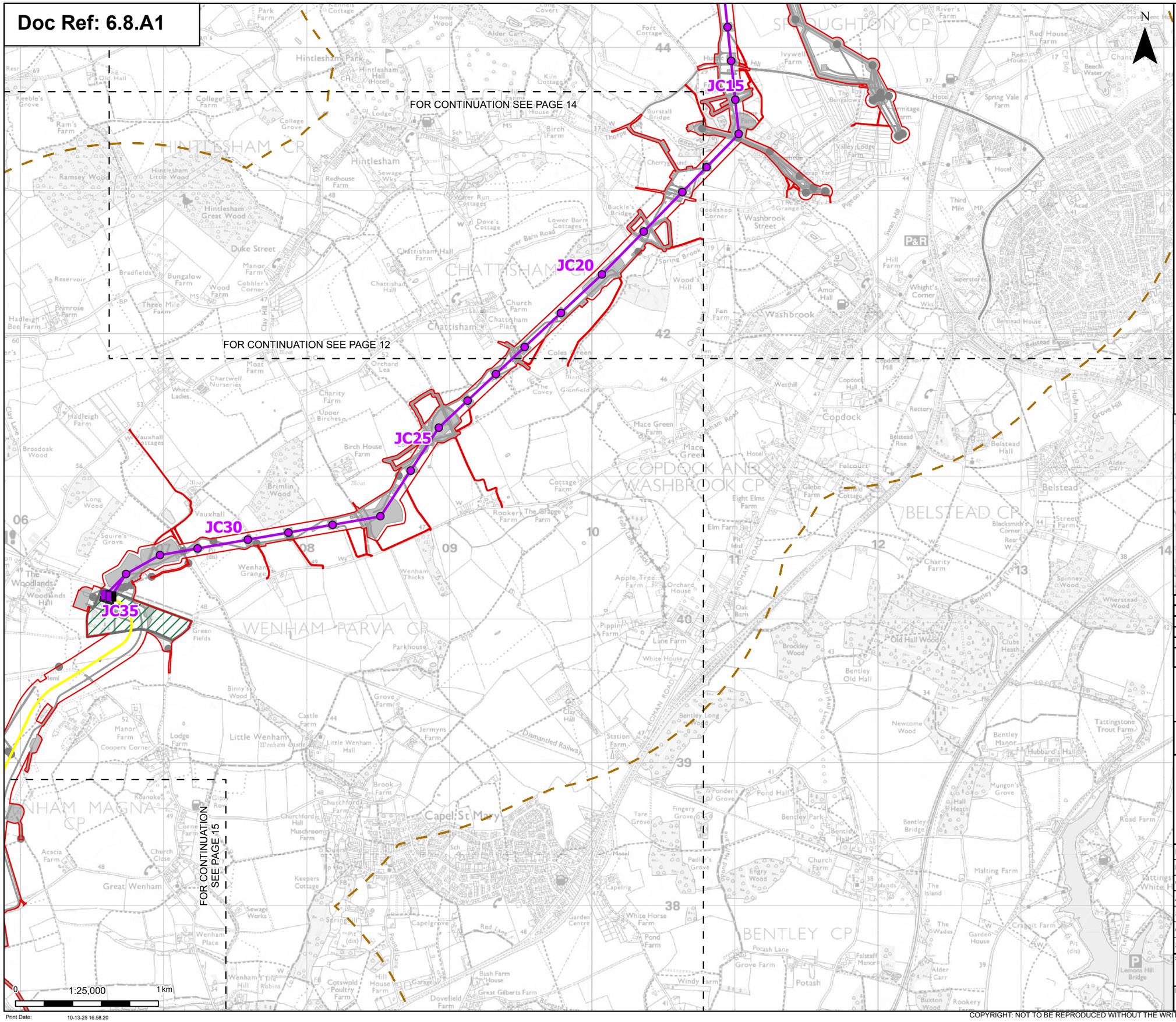
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

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- Order limits
- Sheet index cutline

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

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
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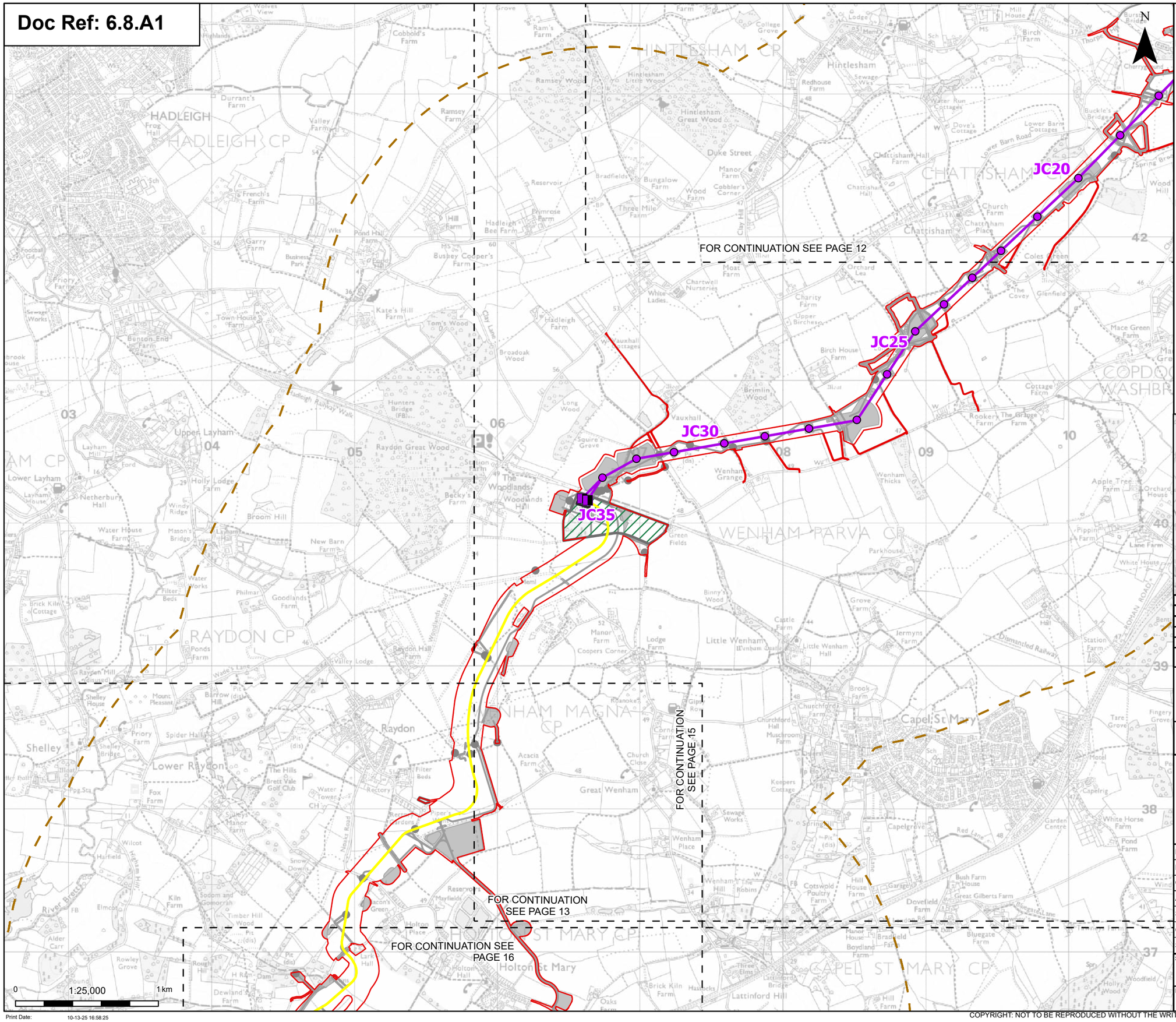
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Doc Ref: 6.8.A1



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- Order limits
- Sheet index cutline

Proposed project design details

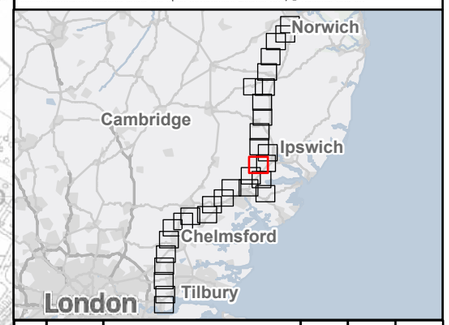
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

Discipline specific constraints

- 2 km Study Area

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Suitability Description:
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Trenchless Crossing: River Stour (north part)

Trenchless Crossing: Higham Road

Trenchless Crossing: River Stour (south part)

Trenchless Crossing: A12 highway crossing

FOR CONTINUATION SEE PAGE 13

FOR CONTINUATION SEE PAGE 16

FOR CONTINUATION SEE PAGE 14

FOR CONTINUATION SEE PAGE 18

Lesser bulrush

Evergreen oak

Least duckweed

Rhododendron

Japanese knotweed

Spanish bluebell

Himalayan balsam

Butterfly bush

Nuttall's waterweed

Alexanders

Giant butterbur

Japanese rose

Evergreen oak

Least duckweed

Italian alder

False-acacia

Spanish bluebell

Least duckweed

Butterfly bush

Rhododendron

Section C

Section D

0 1:25,000 1 km

N

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed underground cable alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Invasive species (field survey records)
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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FOR CONTINUATION SEE PAGE 14

FOR CONTINUATION SEE PAGE 15

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Trenchless Crossing: Higham Road

Least Evergreen oak

Least duckweed

Italian alder

False-acacia

Spanish bluebell

Least duckweed

Butterfly bush

Nuttall's waterweed

Rhododendron

Monkeyflower

0 1:25,000 1 km

Print Date: 10-13-25 16:58:37

N

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed underground cable alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

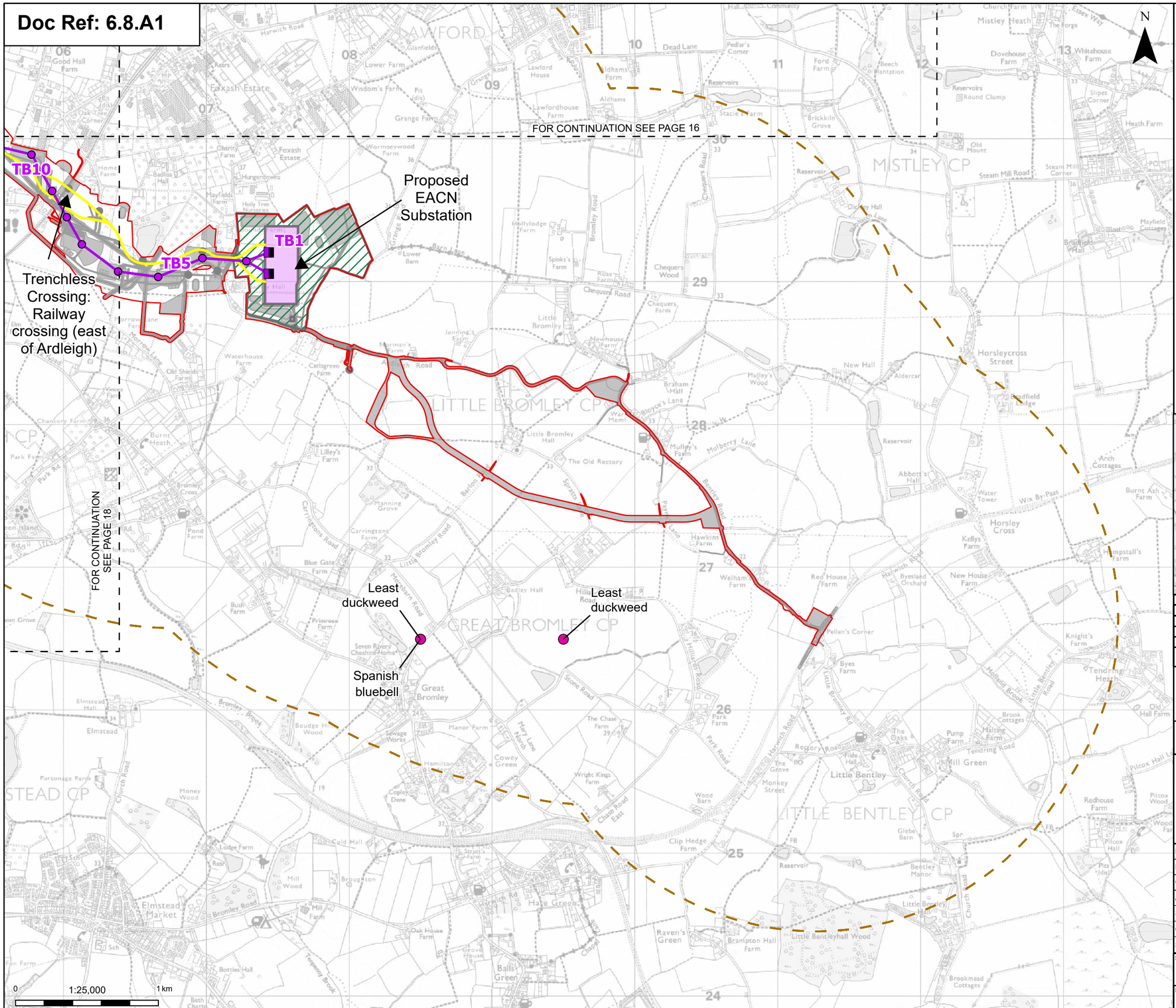
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399

Revision: B

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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 DNO Substation
- Proposed East Anglia Connection Node (EACN) Substation
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
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Evergreen oak
Rhododendron
Spanish bluebell
Japanese knotweed
Least duckweed
Evergreen oak
False-acacia
Least duckweed
Spanish bluebell
Italian alder
Lesser bulrush
Least duckweed
Himalayan balsam
Butterfly bush
Nuttall's waterweed
Least duckweed
Butterfly bush
Evergreen oak
Japanese rose
Giant butterbur
Alexanders
Rhododendron
Trenchless Crossing: A12 highway crossing
Turkey oak
TB30
Italian alder
Common ragwort
TB25
TB20
Russian-vine
Butterfly bush
TB15
Turkey oak
New Zealand pigmyweed
TB10
Winter heliotrope
Canadian waterweed
Least duckweed
Turkey oak
Least duckweed
Evergreen oak
New Zealand pigmyweed
Turkey oak
Alexanders
Evergreen oak
Turkey oak
Least duckweed
Canadian waterweed
Evergreen oak
Rhododendron
New Zealand pigmyweed
Rhododendron
Alexanders
Trenchless Crossing: Railway crossing (east of Ardleigh)

FOR CONTINUATION SEE PAGE 19
FOR CONTINUATION SEE PAGE 15
Section C
Section D
FOR CONTINUATION SEE PAGE 16
FOR CONTINUATION SEE PAGE 17

0 1:25,000 1 km

Print Date: 10-13-25 16:58:49

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
Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area
Invasive species (field survey records)
Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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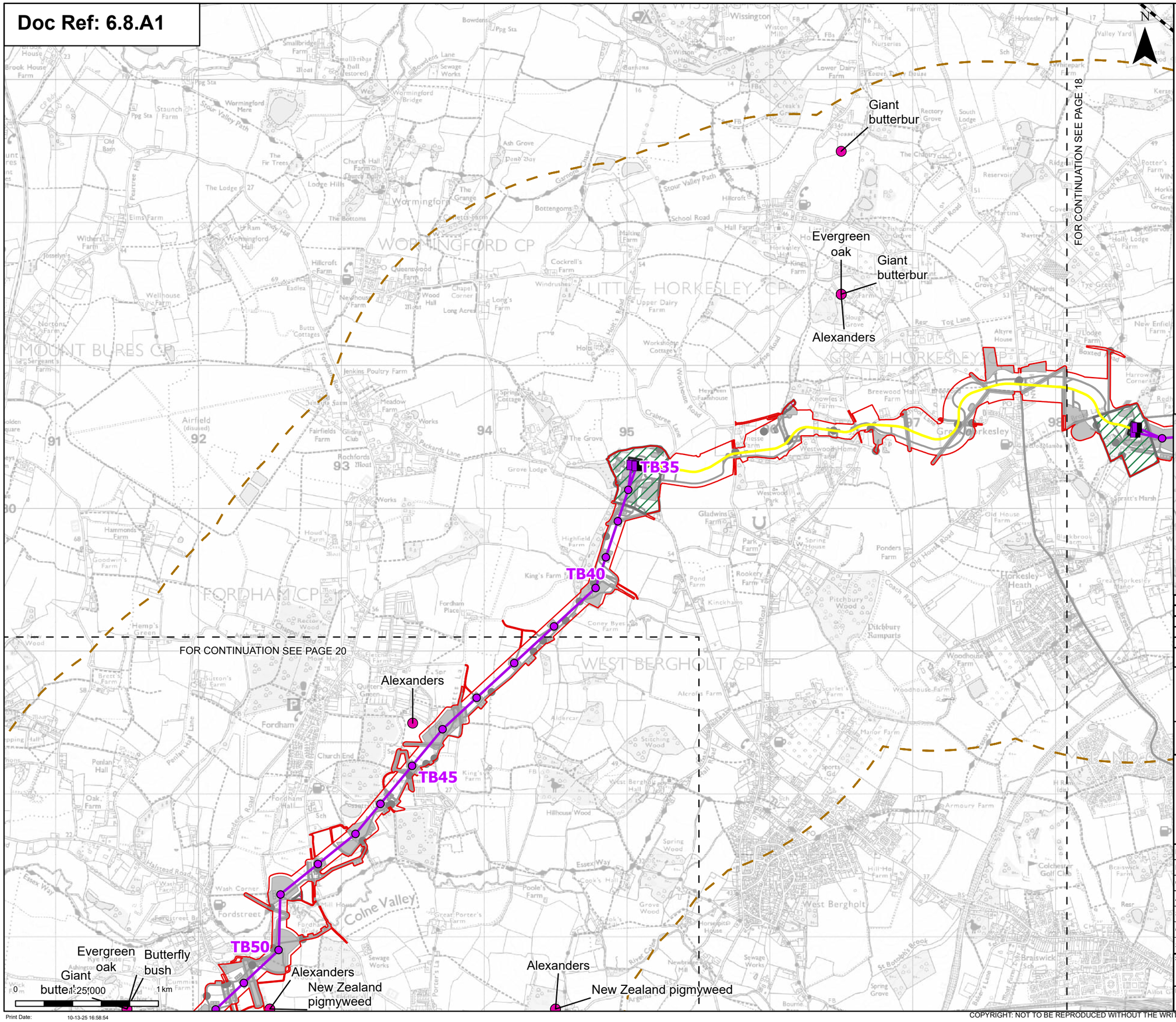
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Checked	A. Fell	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399
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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

2 km Study Area
Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
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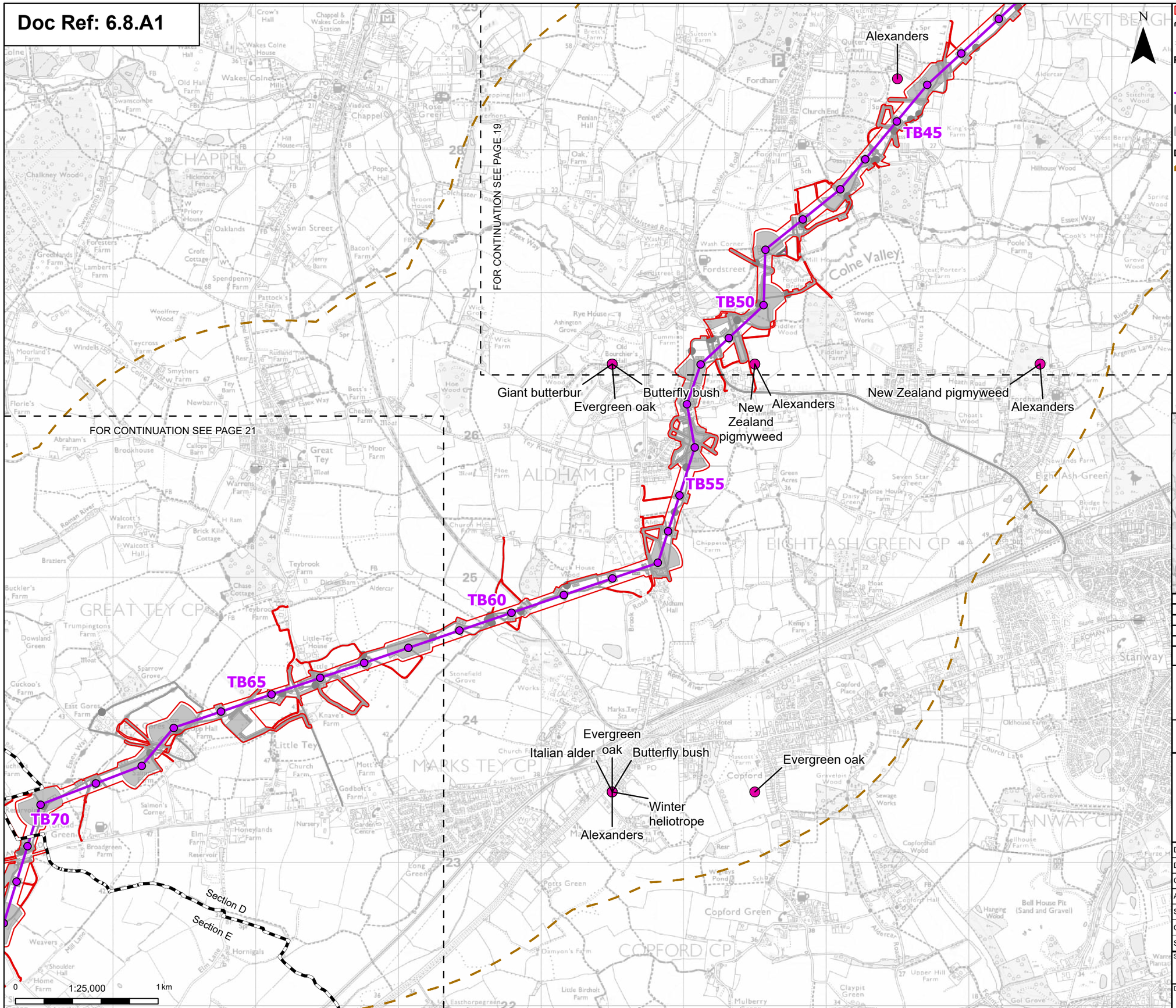
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399
Revision: B

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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

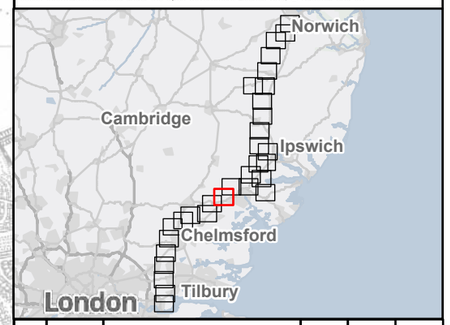
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 20 of 31

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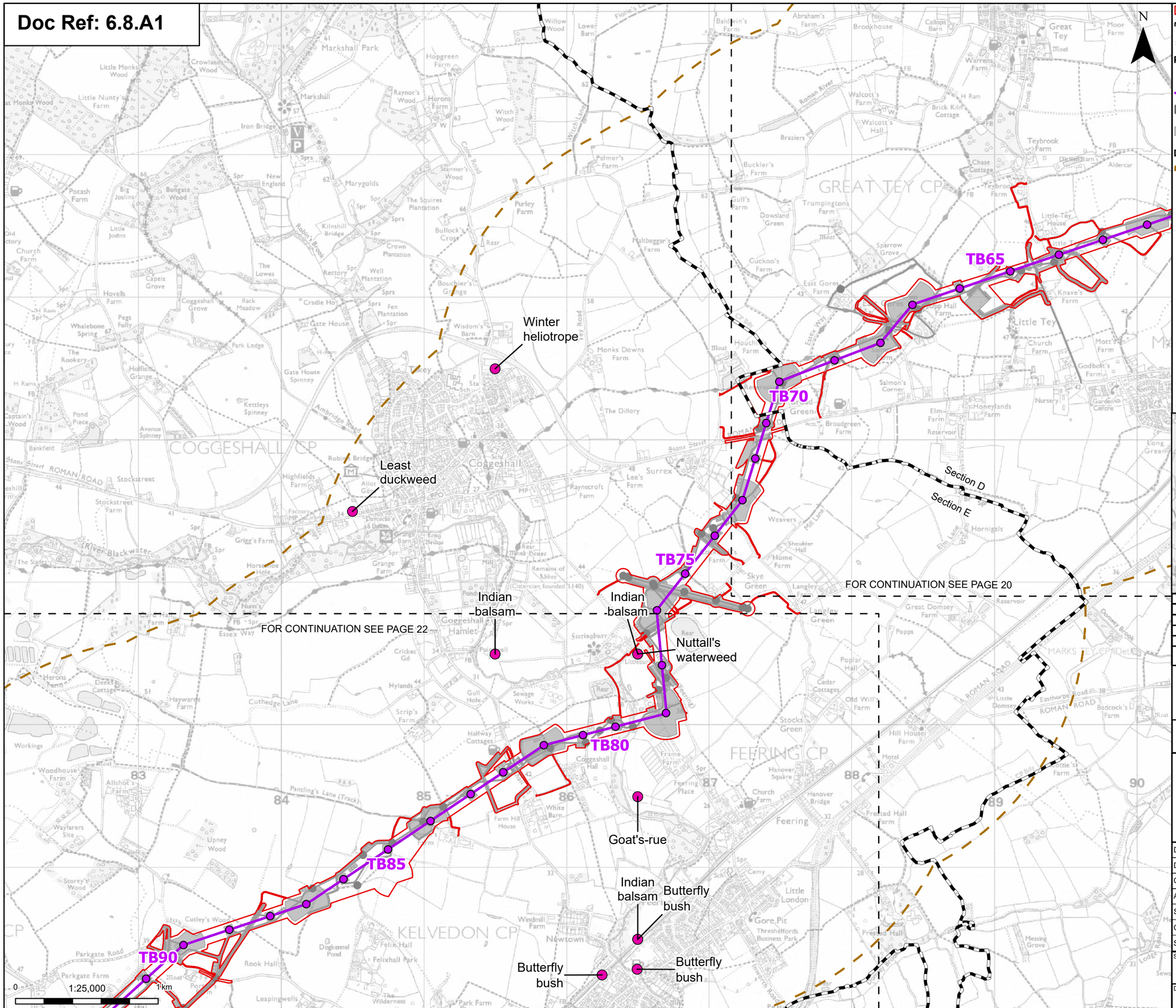
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399

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- Order limits
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Proposed project design details

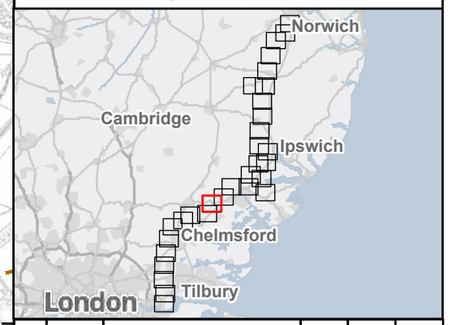
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- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:25,000	Datum:	AOD
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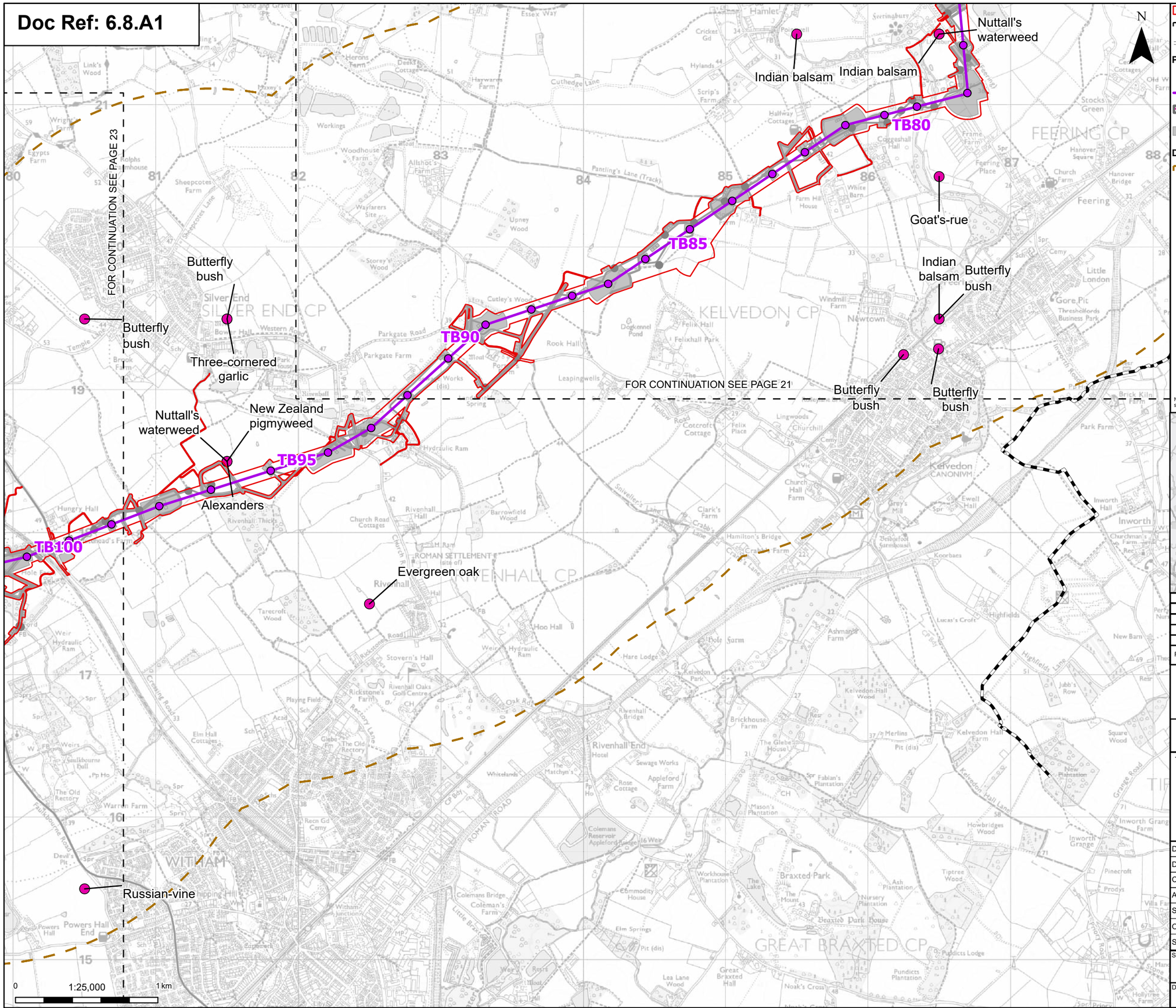
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Order limits
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Project section line

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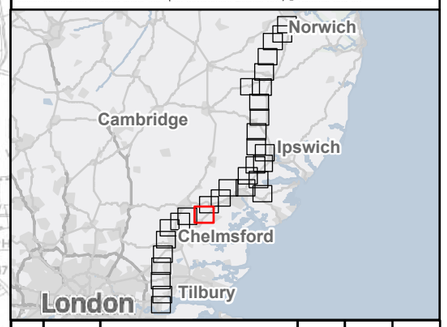
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Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

2 km Study Area
Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

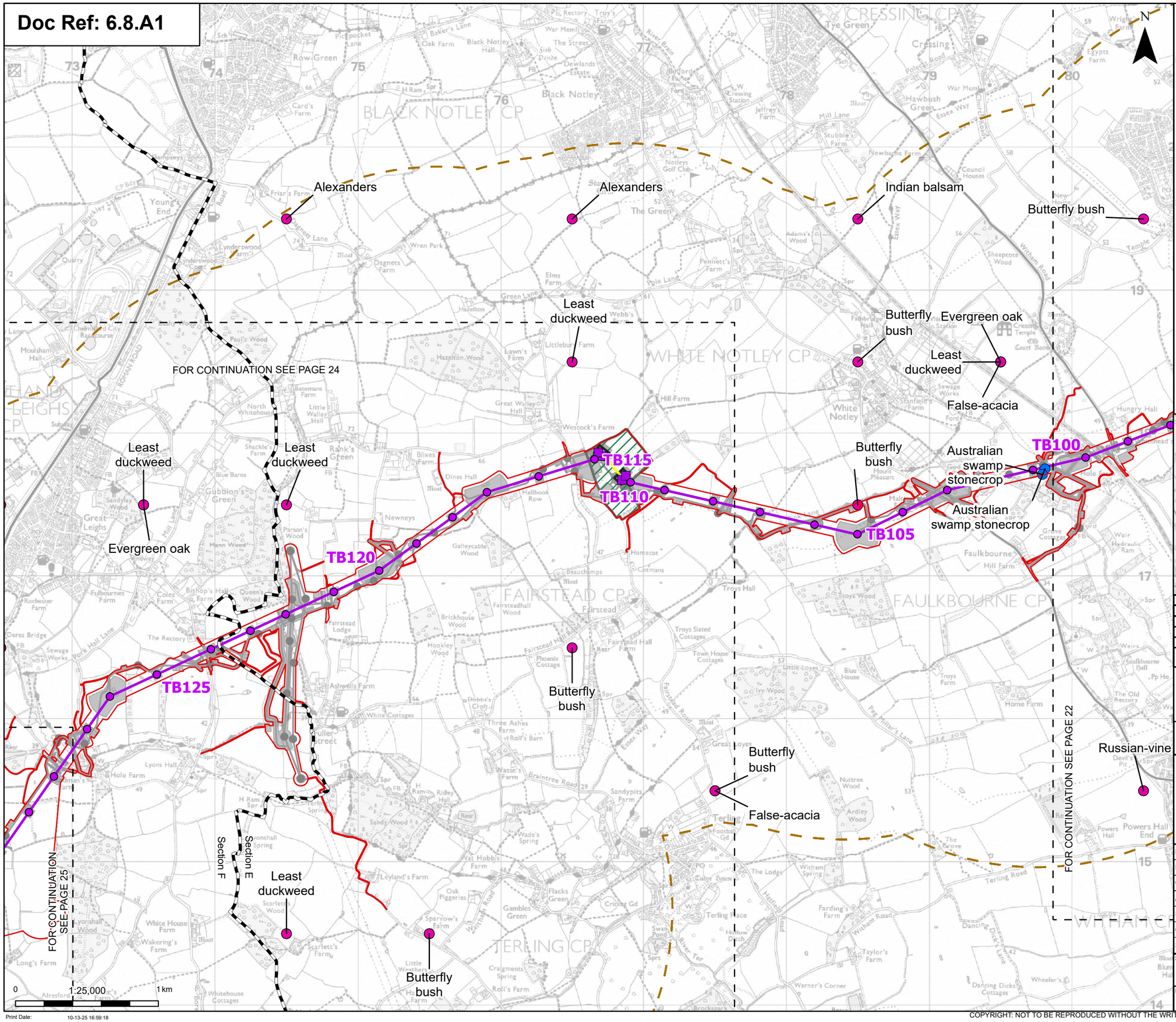
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- Project section line

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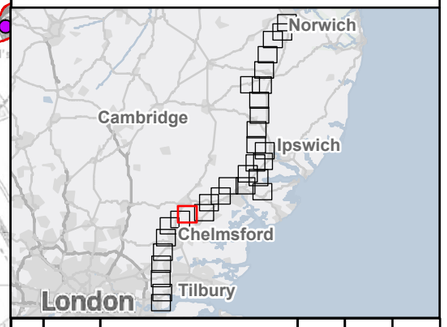
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- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 2 km Study Area
- Invasive species (field survey records)
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 23 of 31

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:25,000	Datum:	AOD
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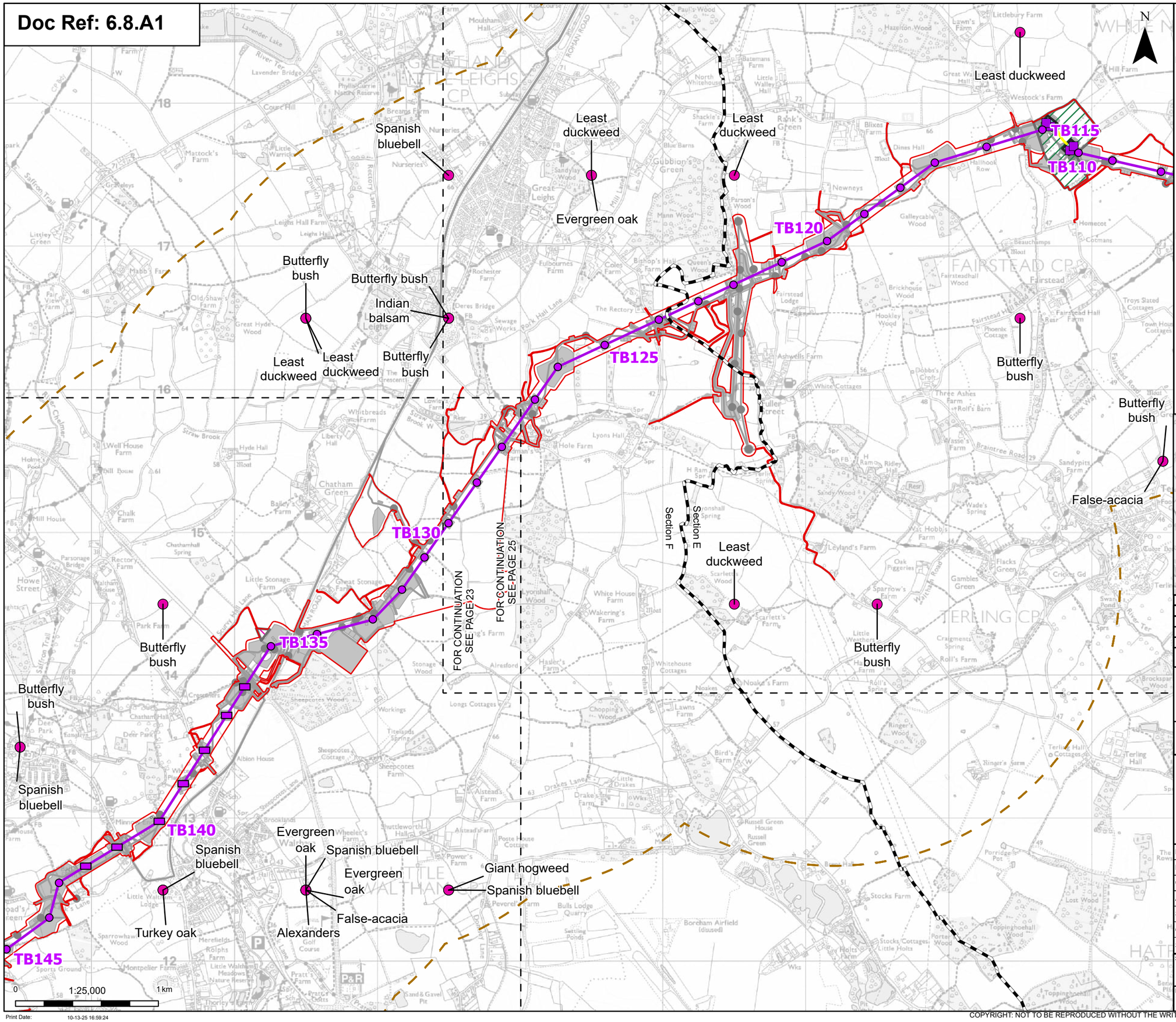
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- Order limits
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- Project section line

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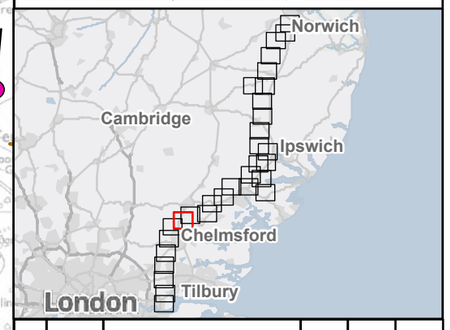
- Proposed low duty gantry
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent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

Discipline specific constraints

- 2 km Study Area
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
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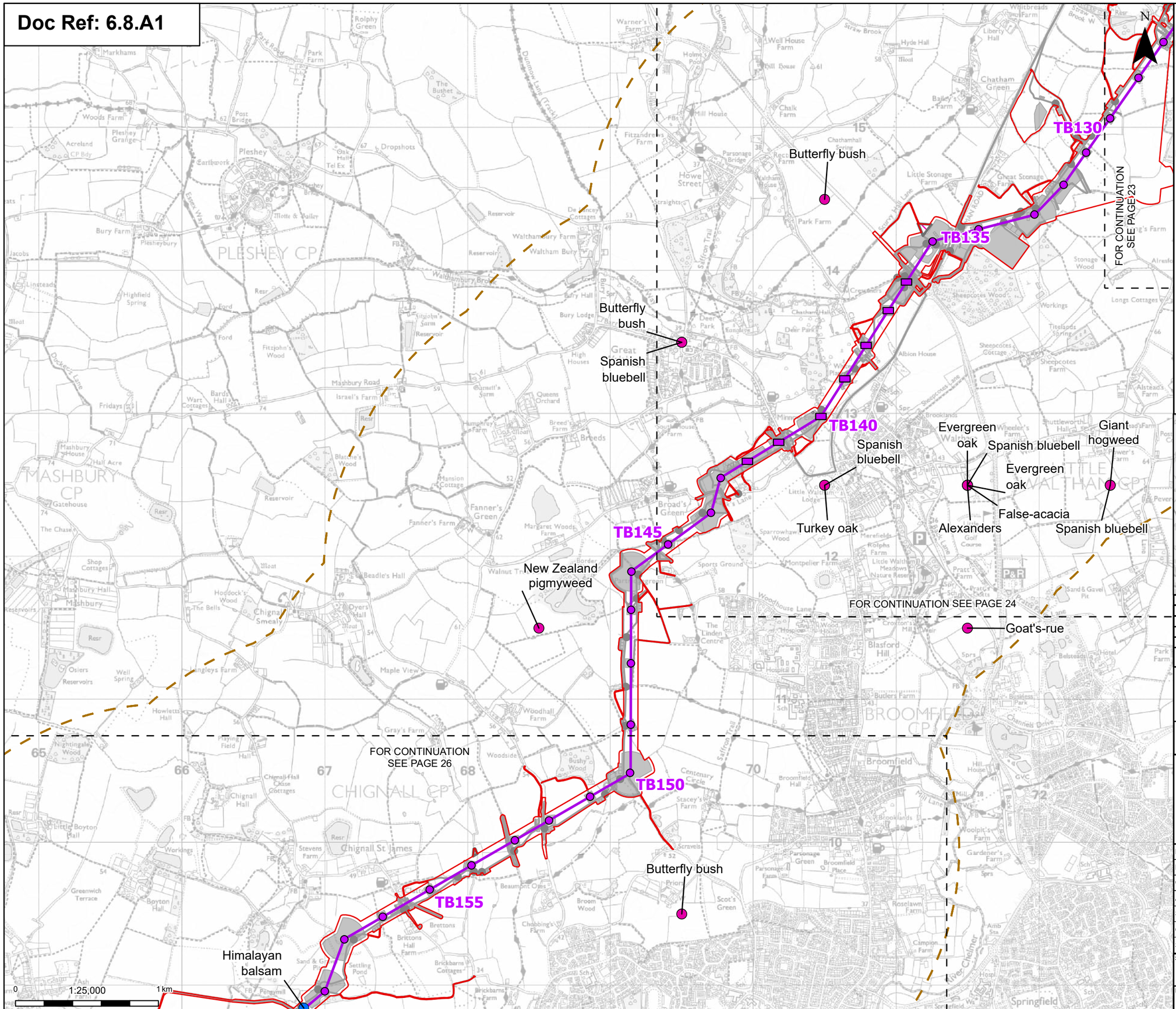
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Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399
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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

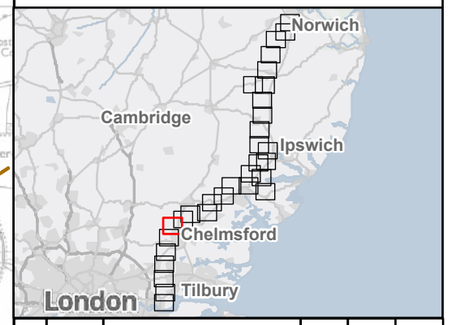
2 km Study Area

Invasive species (field survey records)

Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 25 of 31

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

Suitability Description:
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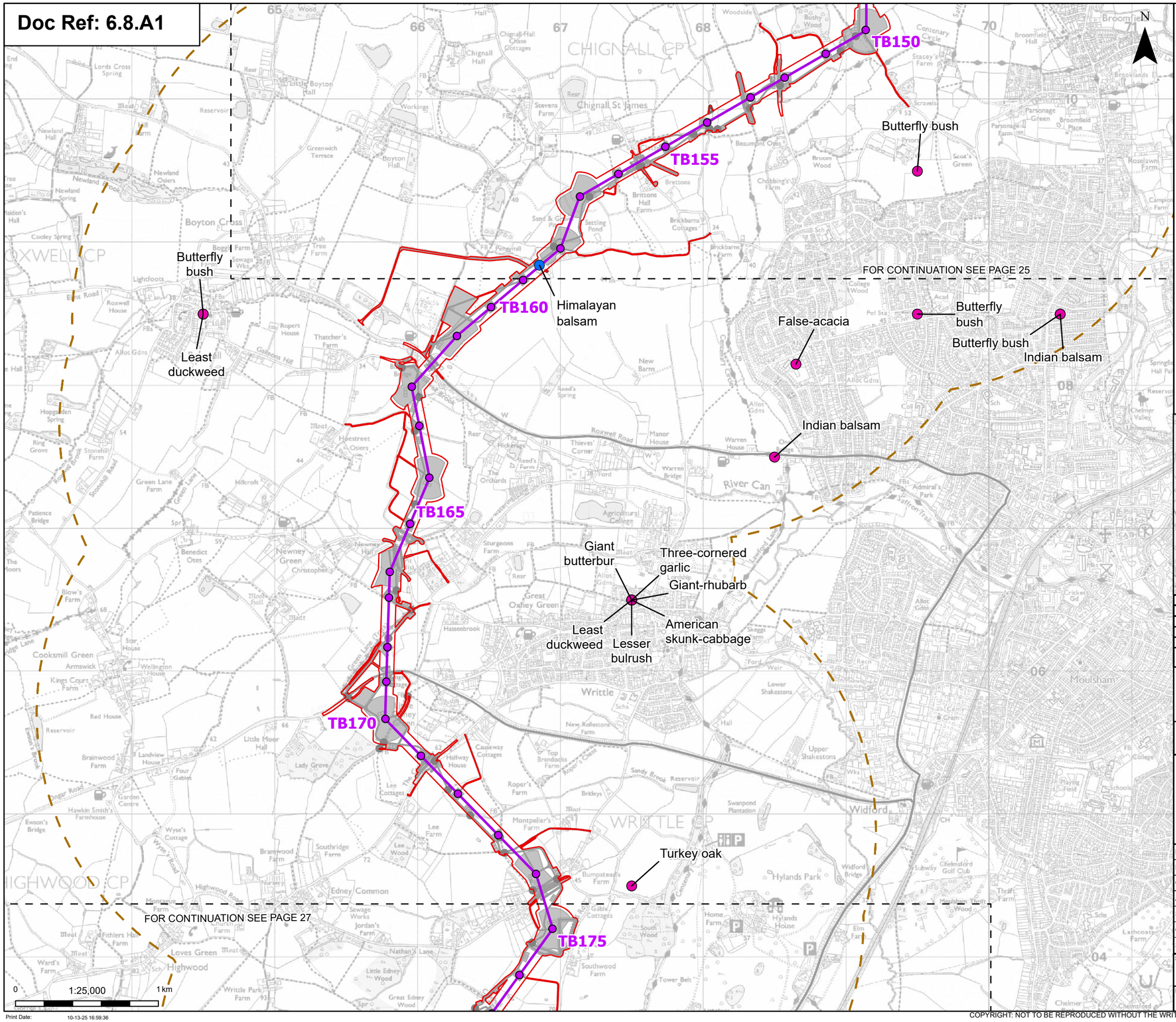
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Order limits

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

- 2 km Study Area
- Invasive species (field survey records)
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 26 of 31

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

Suitability Description: Accepted as Concept Stage

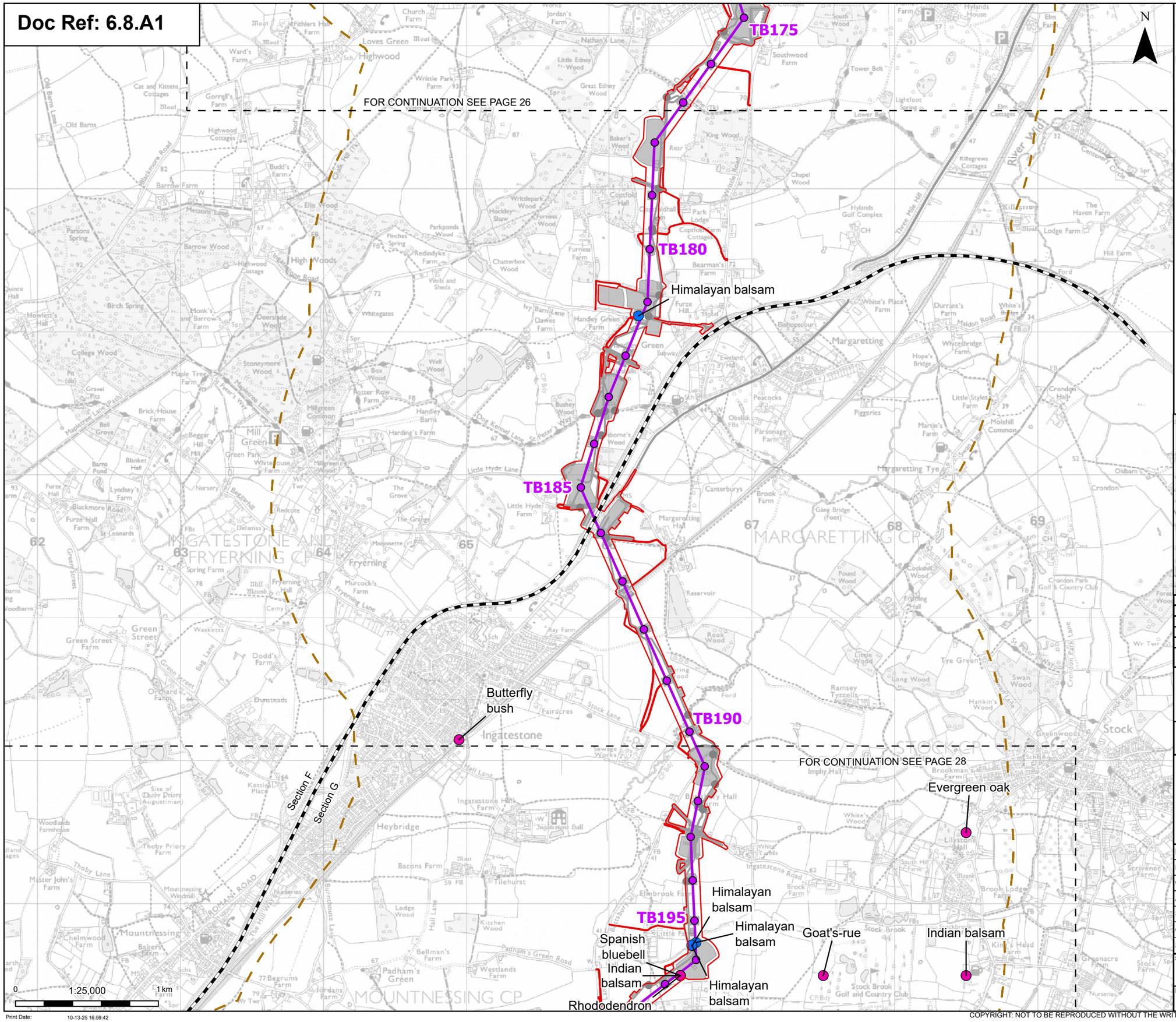
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- Order limits
- Sheet index cutline
- Project section line

Proposed 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

- 2 km Study Area
- Invasive species (field survey records)
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 27 of 31

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:25,000	Datum:	AOD
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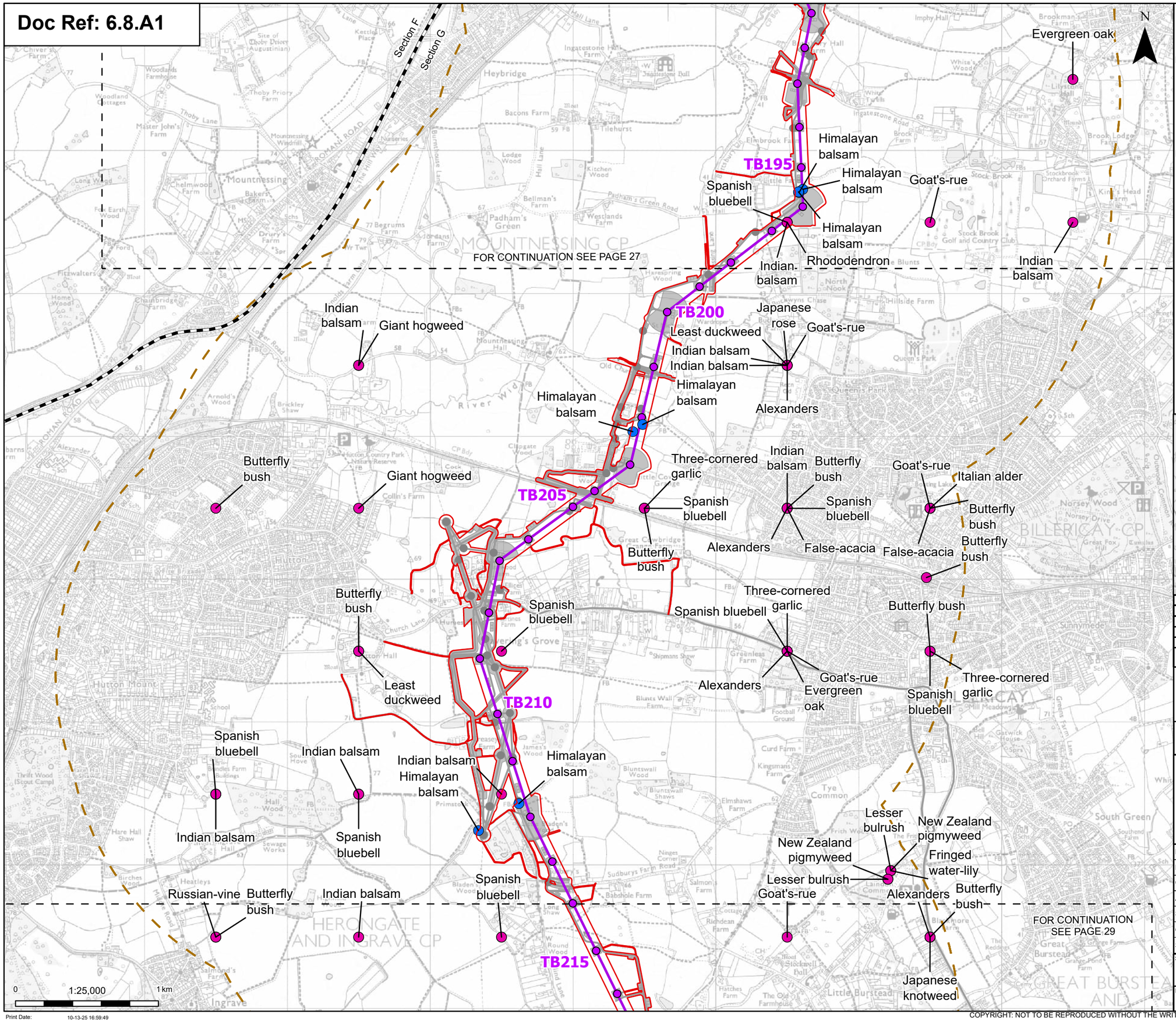
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- Order limits
- Sheet index cutline
- Project section line

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

- 2 km Study Area
- Invasive species (field survey records)
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 28 of 31

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

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FOR CONTINUATION SEE PAGE 28

Russian-vine
Indian balsam
Spanish bluebell
Goat's-rue
Japanese knotweed
Butterfly bush
Alexanders

TB215

Butterfly bush
Russian-vine
False-acacia
False-acacia
Japanese knotweed
Goat's-rue

TB220

Turkey oak
Evergreen oak
Turkey oak

Butterfly bush
Goat's-rue
Turkey oak

TB225

Least duckweed
New Zealand pigmyweed
Goat's-rue
Russian-vine
New Zealand pigmyweed
Least duckweed
Lesser bulrush
Goat's-rue

Lesser bulrush
Three-cornered garlic
Nuttall's waterweed
Goat's-rue
New Zealand pigmyweed
Russian-vine
Goat's-rue

TB230

Goat's-rue
Goat's-rue

Canadian goldenrod
Alexanders
Goat's-rue
Least duckweed
Winter heliotrope

TB235

Alexanders
Least duckweed
Goat's-rue
Goat's-rue
Turkey oak
Butterfly bush
Pale galingale
Rhododendron

Section G
Section H

FOR CONTINUATION SEE PAGE 30

0 1:25,000 1 km

Print Date: 10-13-25 16:59:55

N

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
2 km Study Area
Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 29 of 31

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399
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FOR CONTINUATION SEE PAGE 29

FOR CONTINUATION SEE PAGE 31

TB240 TB245 TB250 TB255 TB260 YYJ115 ZB20 YYJ120 ZB15RA ZB15RB ZB15RC

Proposed Tilbury North Substation

Section G Section H

N

0 1:25,000 1 km

Print Date: 10-13-25 17:00:03

Order limits
- Sheet index cutline
- Project section line

Proposed project design details
- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed low height pylon location
- 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
- 2 km Study Area
- Invasive species (field survey records)
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 30 of 31

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

Suitability Description: Accepted as Concept Stage

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Revision: B

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Proposed Tilbury North Substation

TB255
TB260
YYJ115
ZB20
YYJ120
ZB15RA
ZB15RB
ZB15RC
YYJ125R
ZB10
YYJ130

Butterfly bush
False-acacia
Goat's-rue
Evergreen oak
Russian-vine
Alexanders
Japanese knotweed
Australian swamp stonecrop
Least duckweed
Italian alder
Indian balsam
Turkey oak
Japanese rose
Spanish bluebell

FOR CONTINUATION SEE PAGE 30

N

0 1:25,000 1 km

Print Date: 10-13-25 17:00:10

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
- 2 km Study Area
- Invasive species (field survey records)
- Invasive species (desk study records)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.6 - Ecology and Biodiversity - Invasive Plant Species
Page 31 of 31

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

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00399
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Figure A8.1.7 - Linear Habitat Survey Results (Rev B)

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Overview

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:500,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

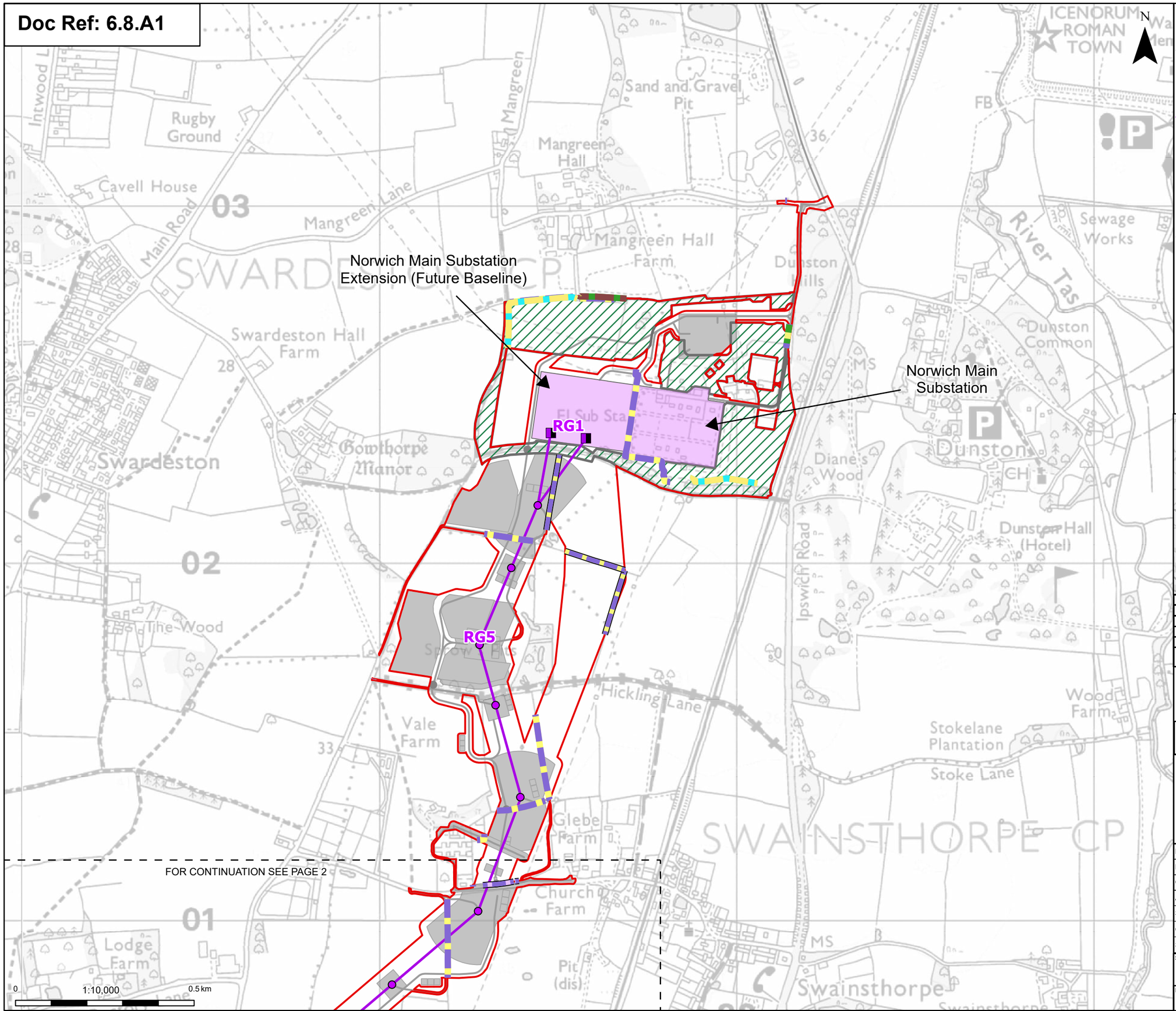
Revision: B

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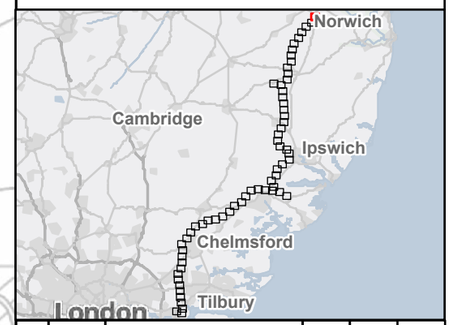
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Norwich Main Substation
- Norwich Main Substation Extension (future baseline)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Species-rich native hedgerow - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Section A Page 1 of 63

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

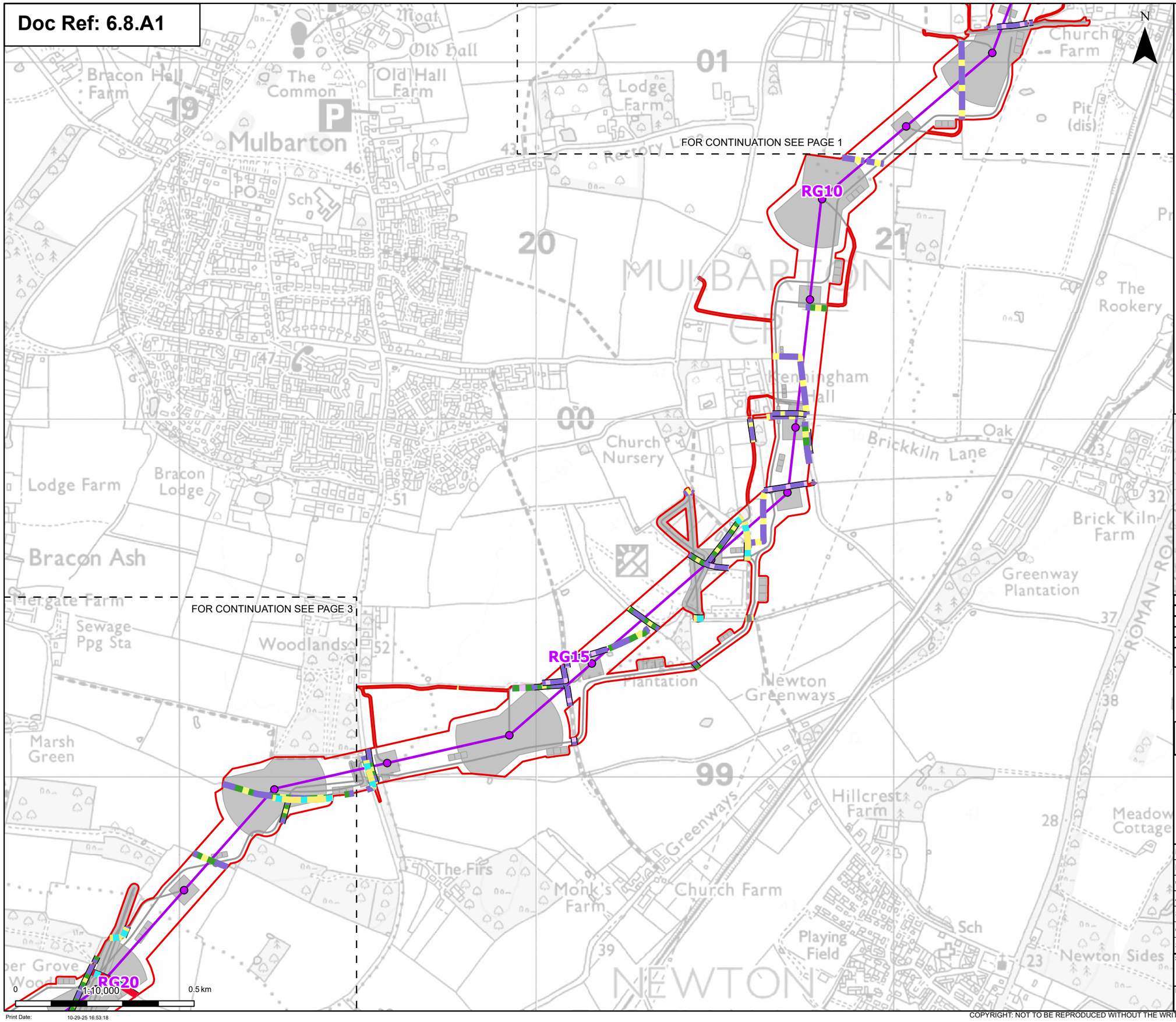
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Order limits
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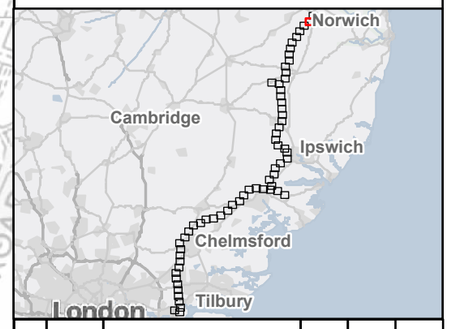
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Culvert
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section A
Page 2 of 63

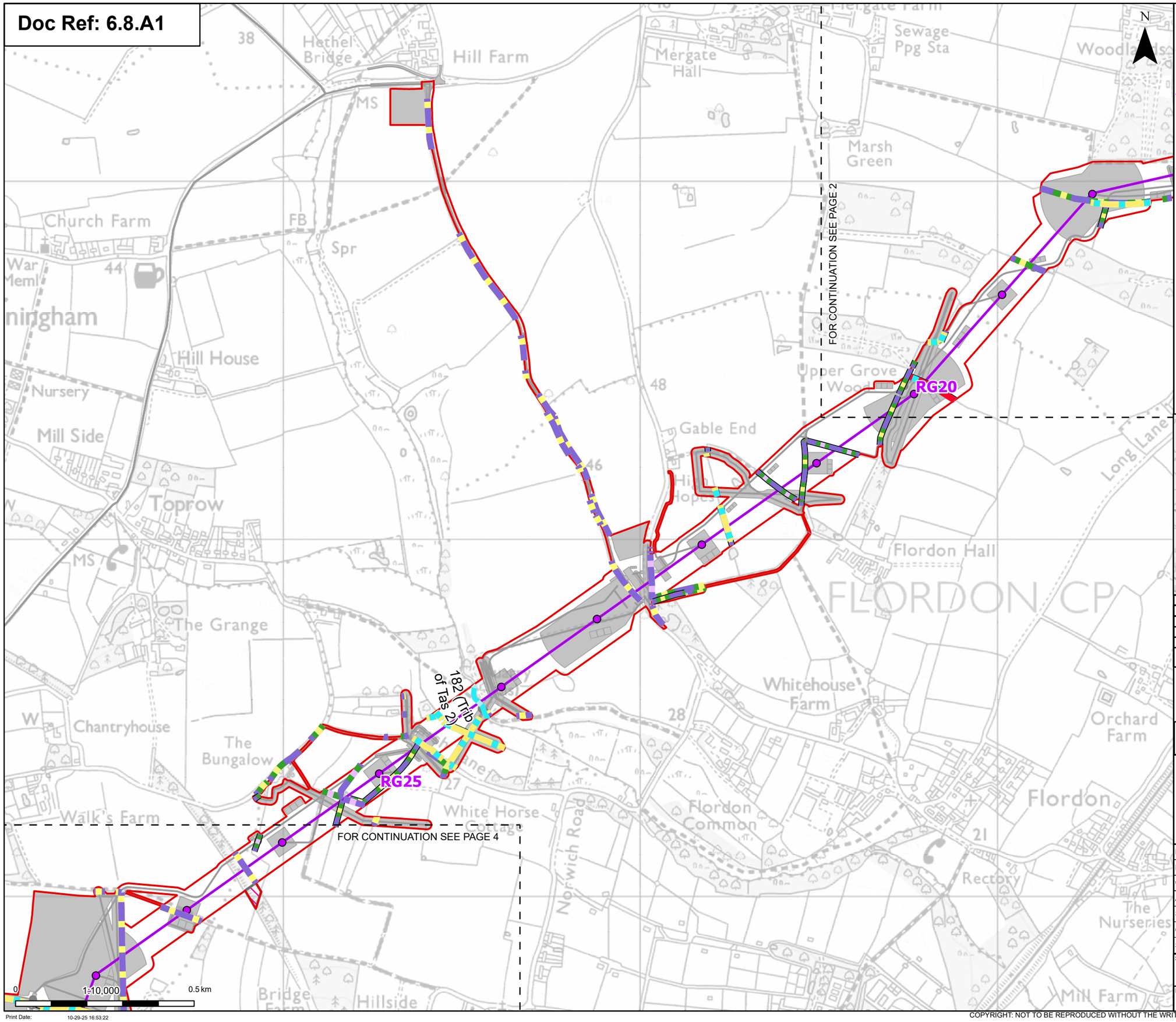
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410 | Revision: B

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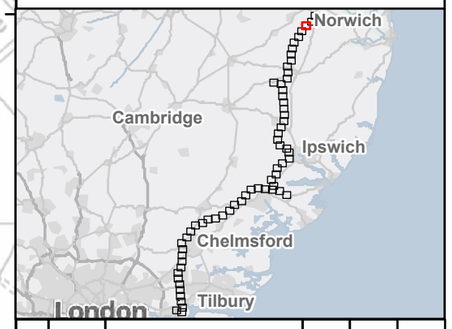
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Culvert
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section A
Page 3 of 63

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

Suitability Description: Accepted as Concept Stage

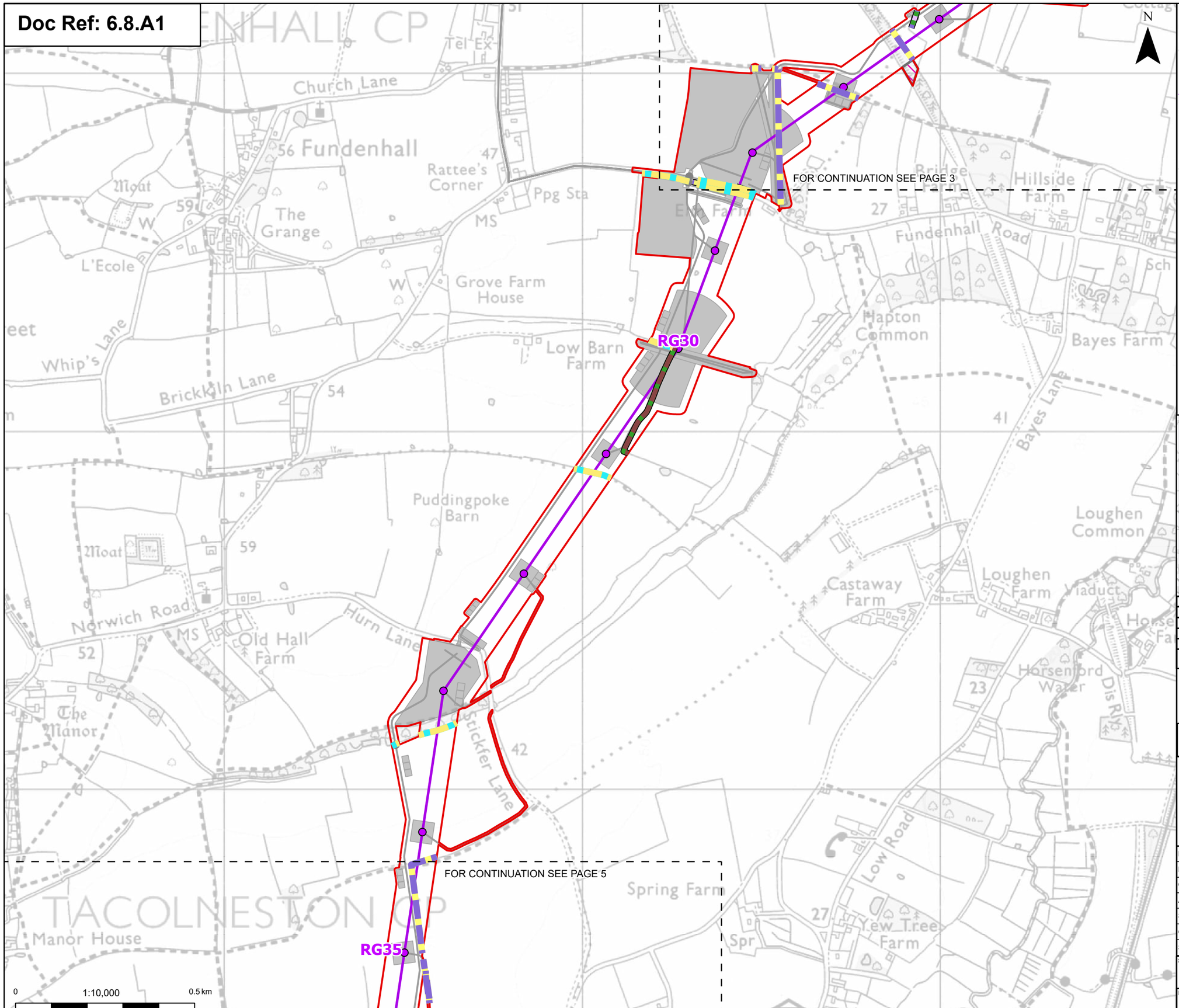
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Proposed project design details

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

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees - associated with bank or ditch
- Line of trees - associated with bank or ditch
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Section A Page 4 of 63

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

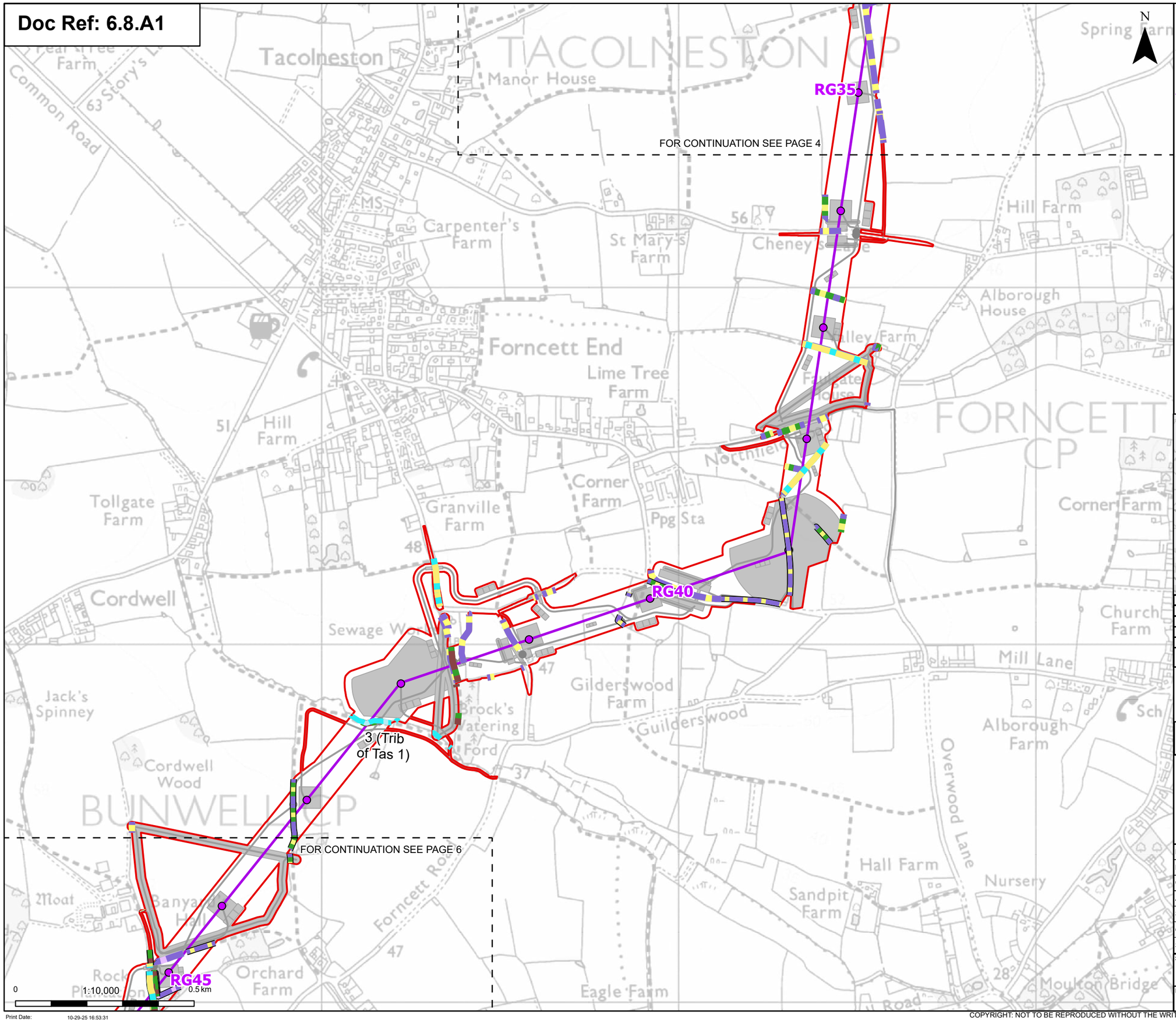
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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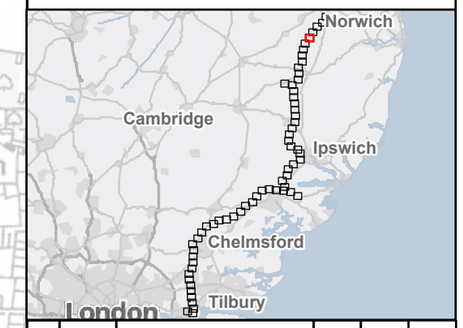
Order limits
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Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section A
Page 5 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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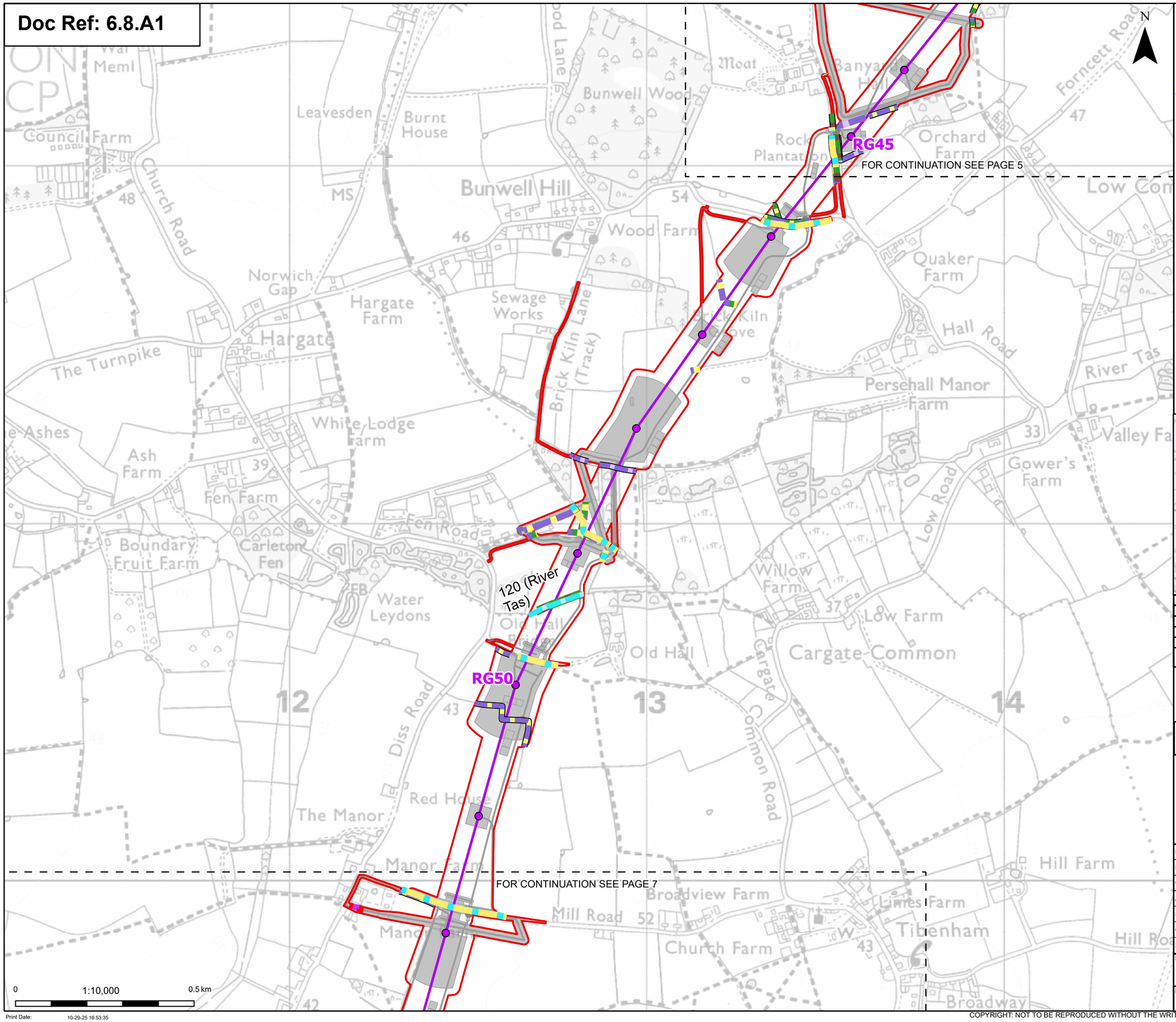
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
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Sheet index cutline

Proposed project design details

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

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Section A Page 6 of 63

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

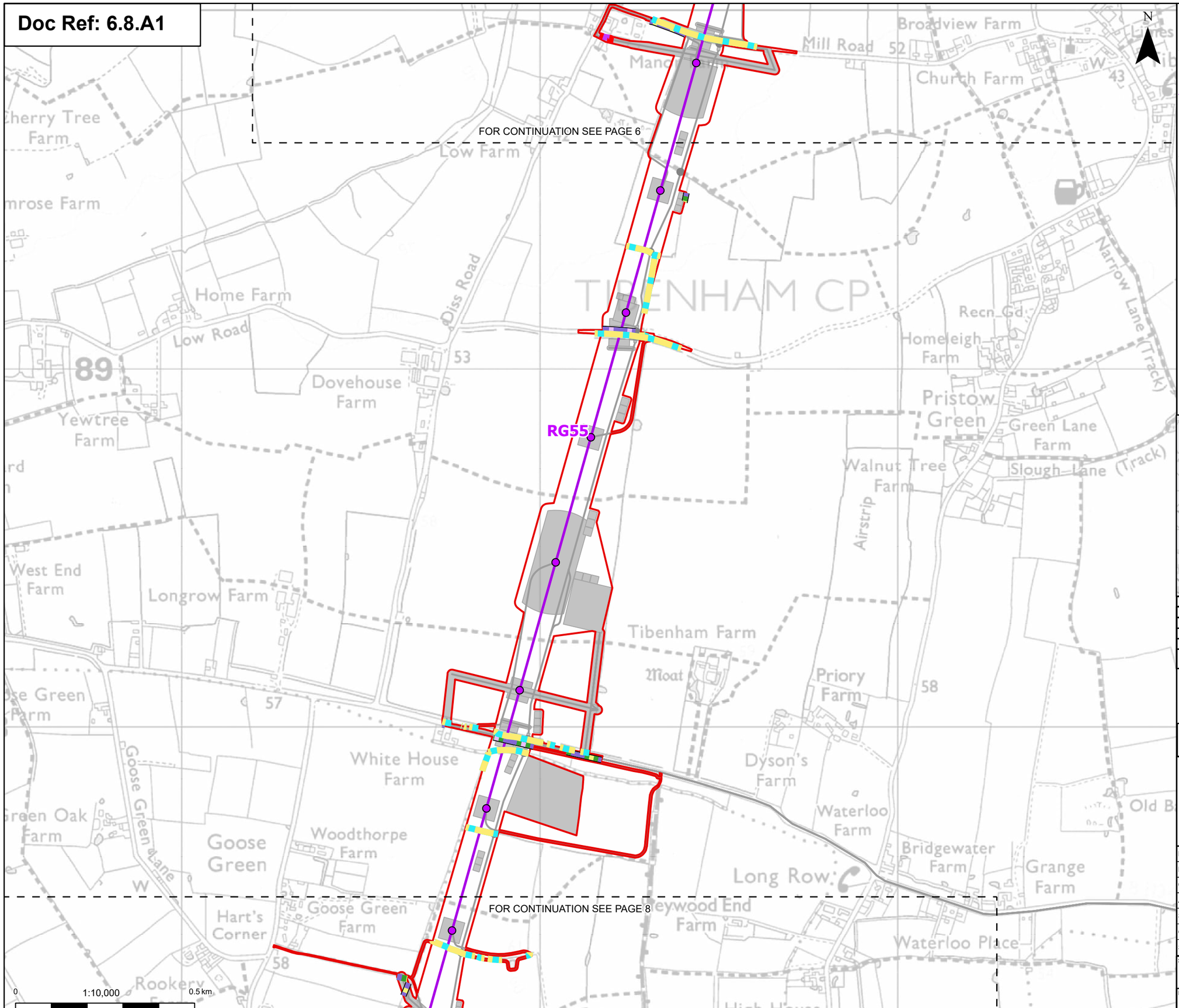
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Sheet index cutline

Proposed project design details

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

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section A
Page 7 of 63

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

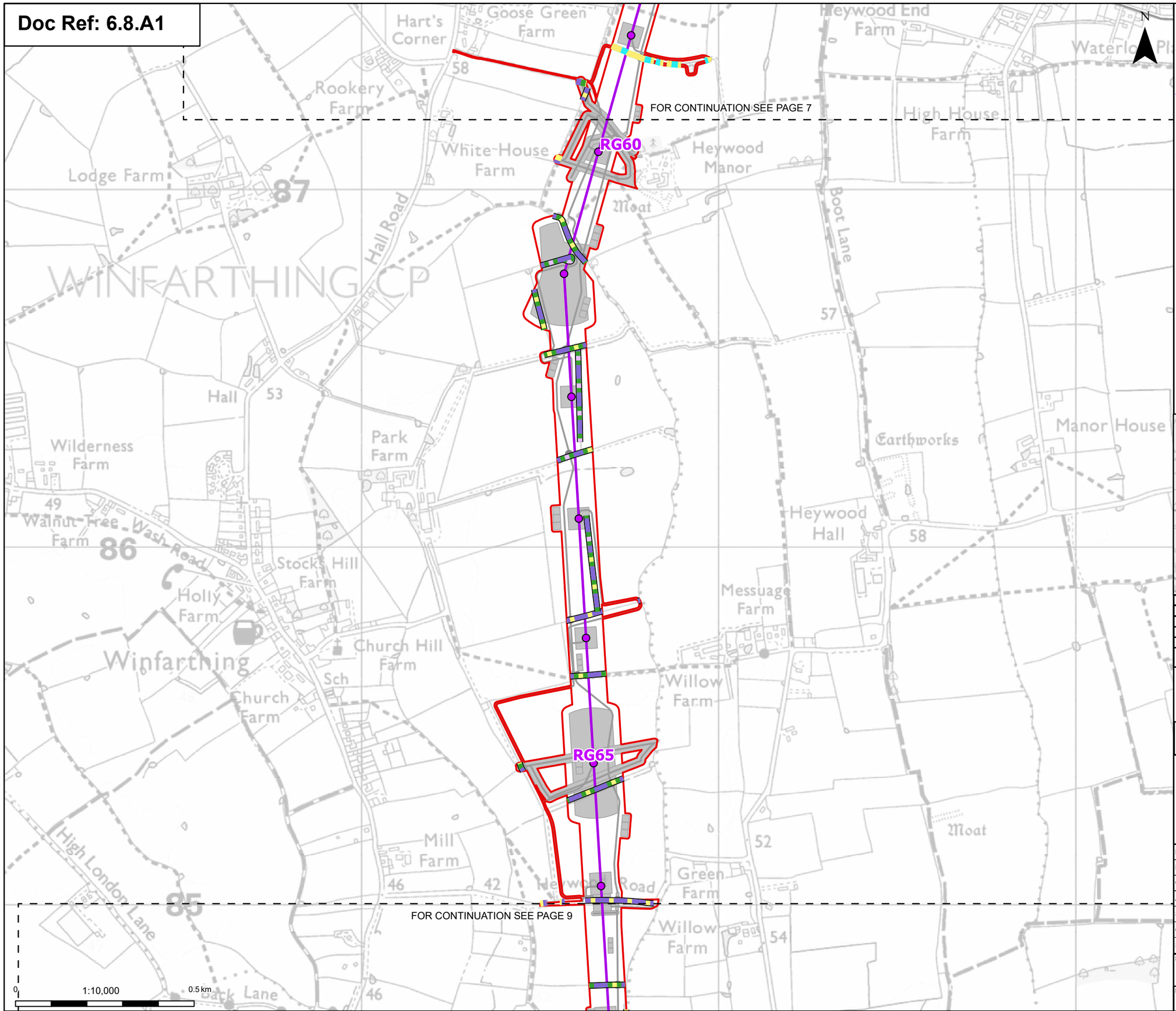
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

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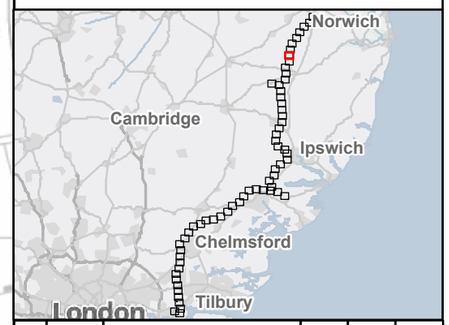
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section A
Page 8 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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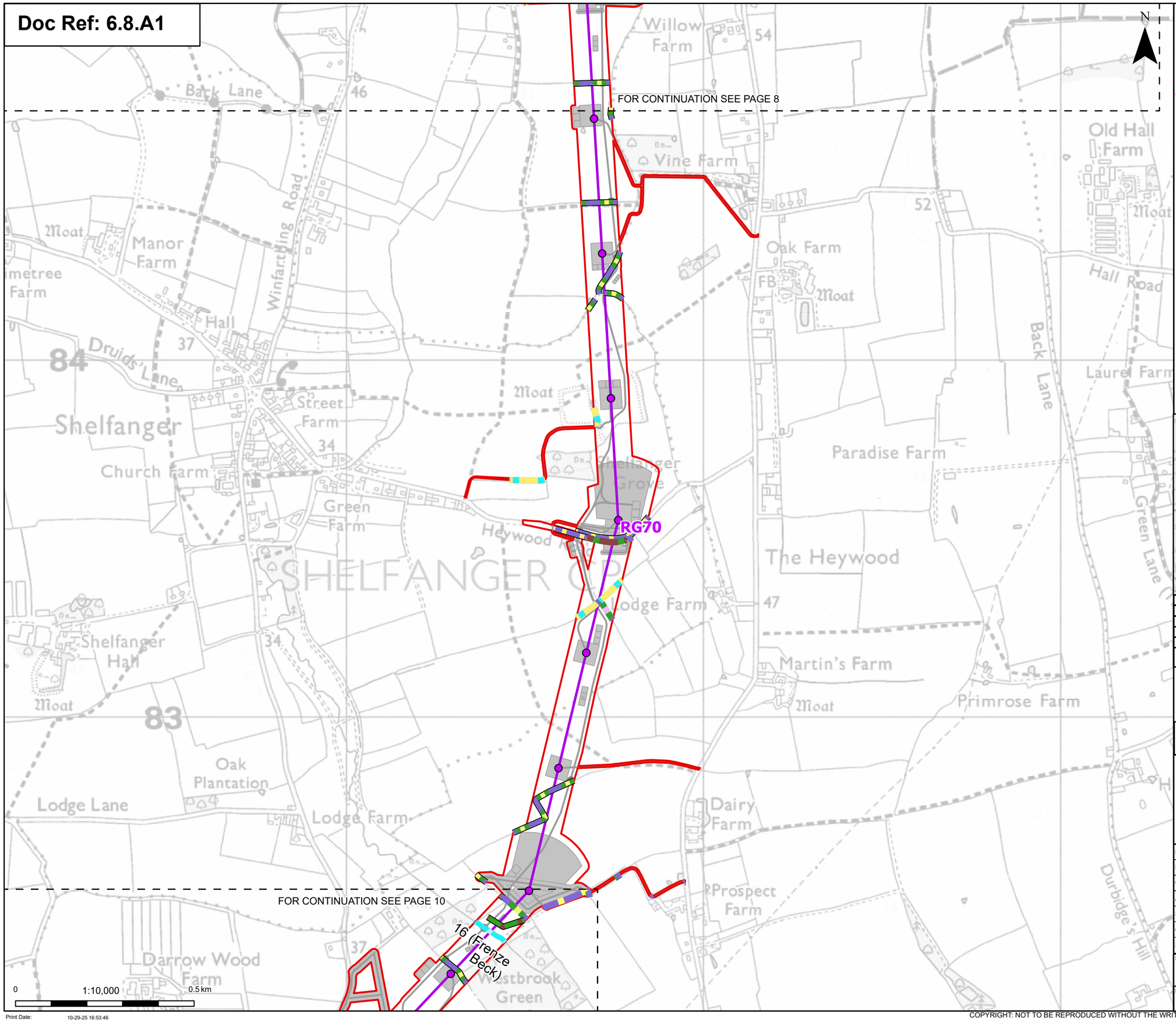
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Sheet index cutline

Proposed project design details

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

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section A
Page 9 of 63

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

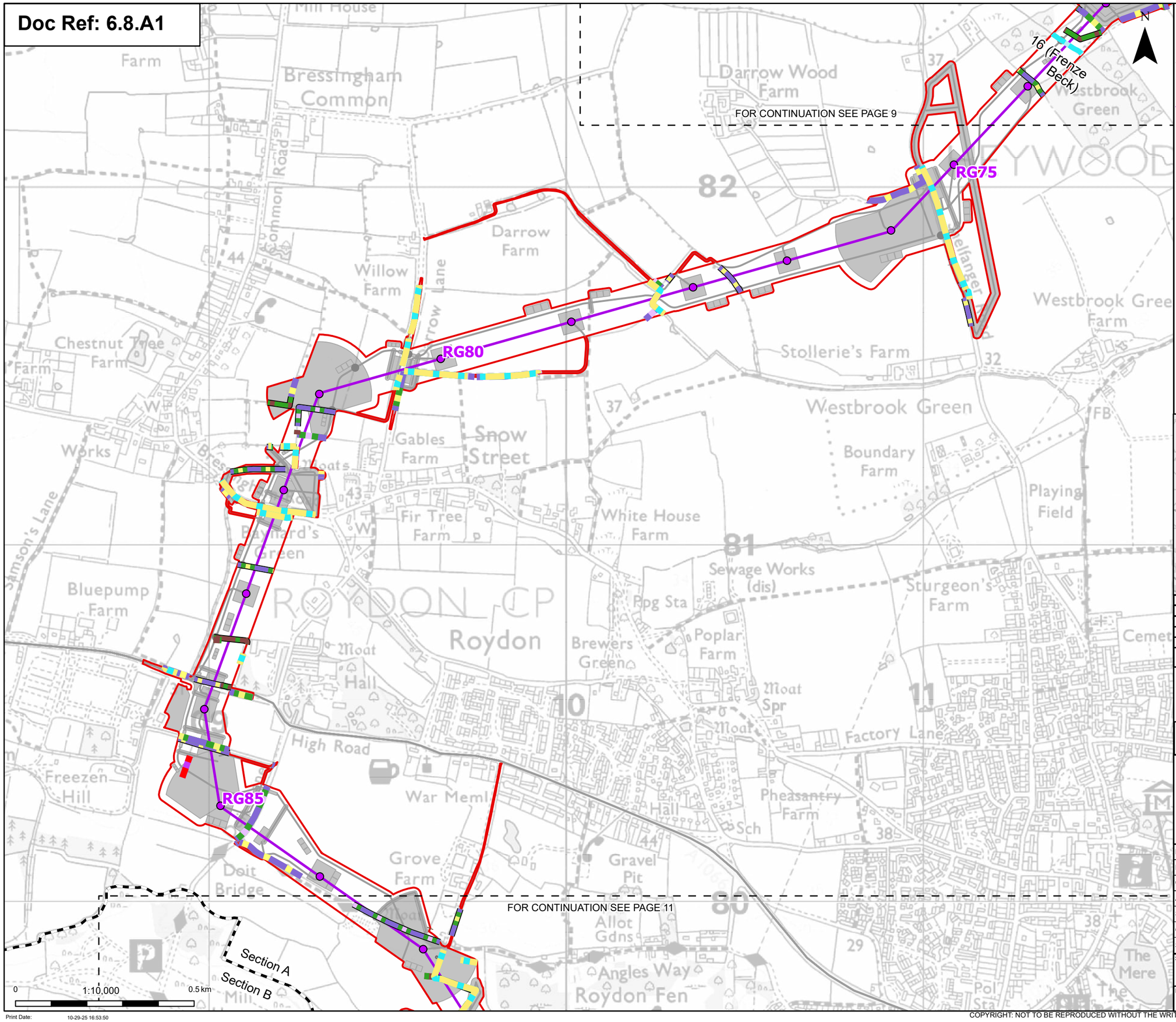
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

Print Date: 10-29-25 16:53:46

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Order limits
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Project section line

Proposed project design details

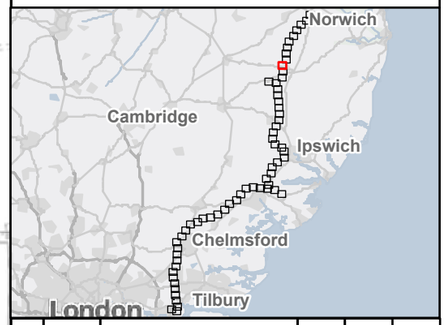
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections A and B Page 10 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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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Section A
Section B

FOR CONTINUATION SEE PAGE 10

126 (River Waveney)
125 (River Waveney)
RG90
RG95
556 Tributary of River Waveney 2

FOR CONTINUATION SEE PAGE 12

0 1:10,000 0.5 km

N

- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections A and B
Page 11 of 63

Designed	A. Pinkney	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

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FOR CONTINUATION SEE PAGE 11

FOR CONTINUATION SEE PAGE 13

RG95

RG100

RG105

556 Tributary of River Waveney 2

251 (Trib of Waveney 2)

128(a) (Trib of Waveney 2)

N

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Print Date: 10-29-25 16:53:59

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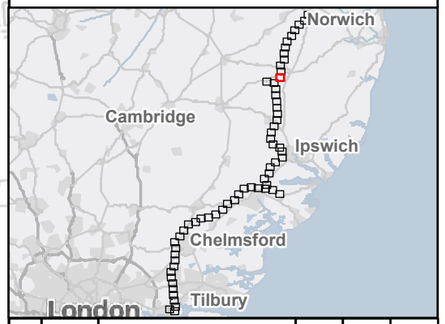
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Proposed overhead line alignment
Other temporary and permanent construction and operational works

Discipline specific constraints

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Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Line of trees - associated with bank or ditch
Line of trees
Ditch
Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 12 of 63

Designed	A. Pinkney	Date	October 25
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Original Size:	A3	Grid:	OS
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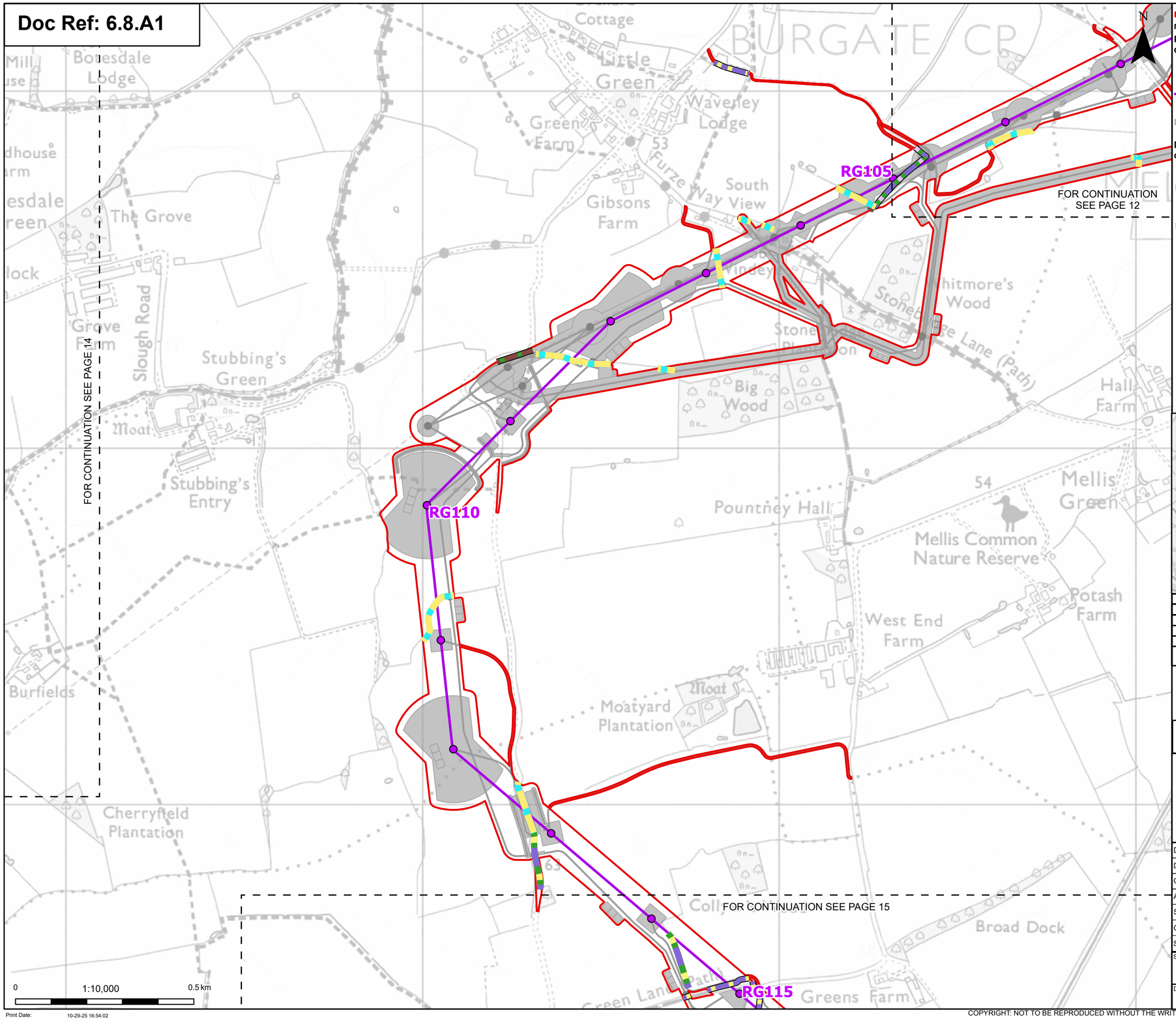
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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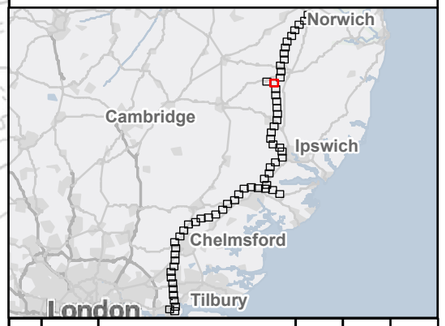
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Species-rich native hedgerow
- Line of trees - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Section B Page 13 of 63

Designed	A. Pinkney	Date	October 25
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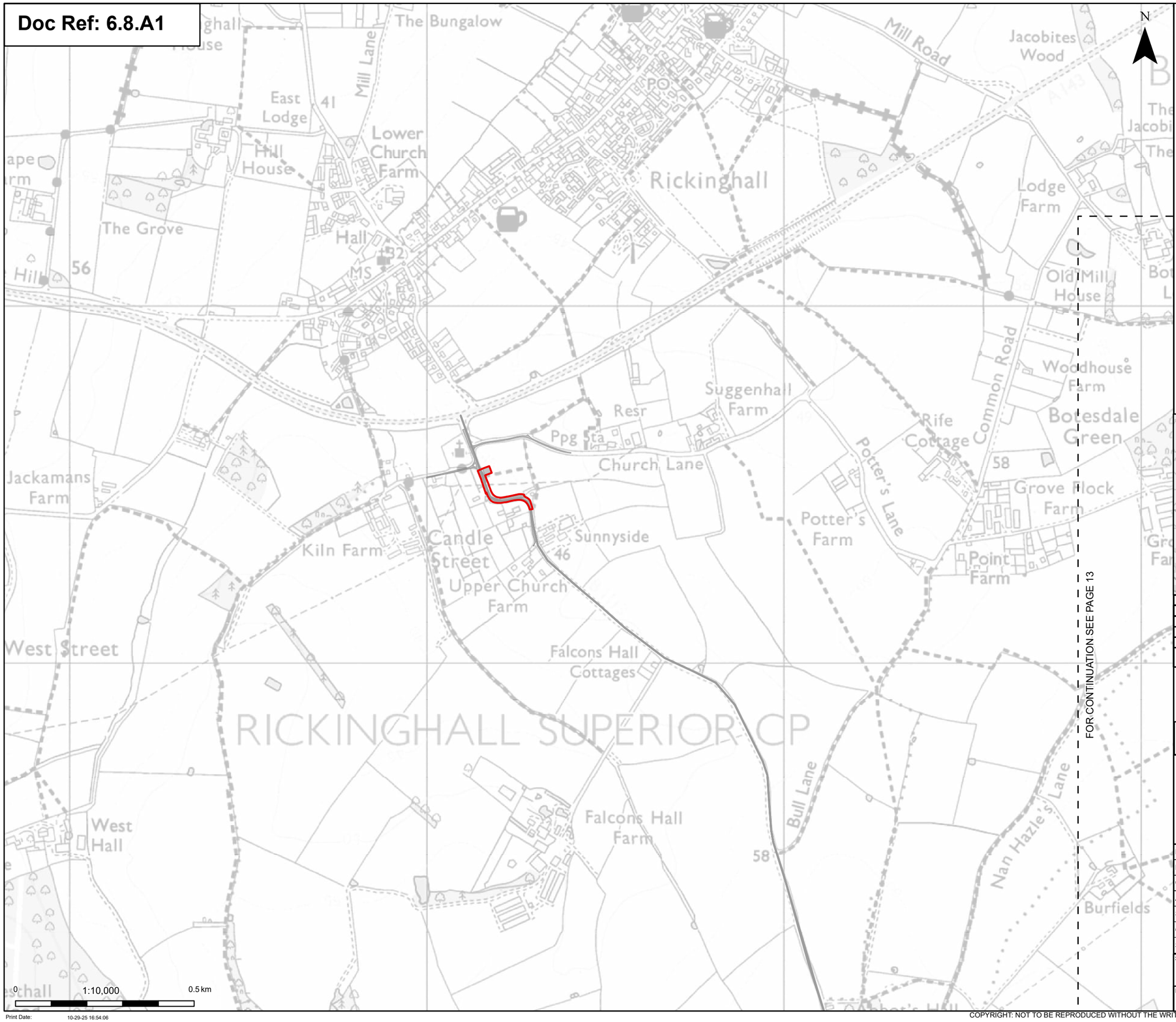
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N

- Order limits
- Sheet index cutline

Proposed project design details

- Other temporary and permanent construction and operational works

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 14 of 63

Designed	A. Pinkney	Date	October 25
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Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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Suitability Description: Accepted as Concept Stage

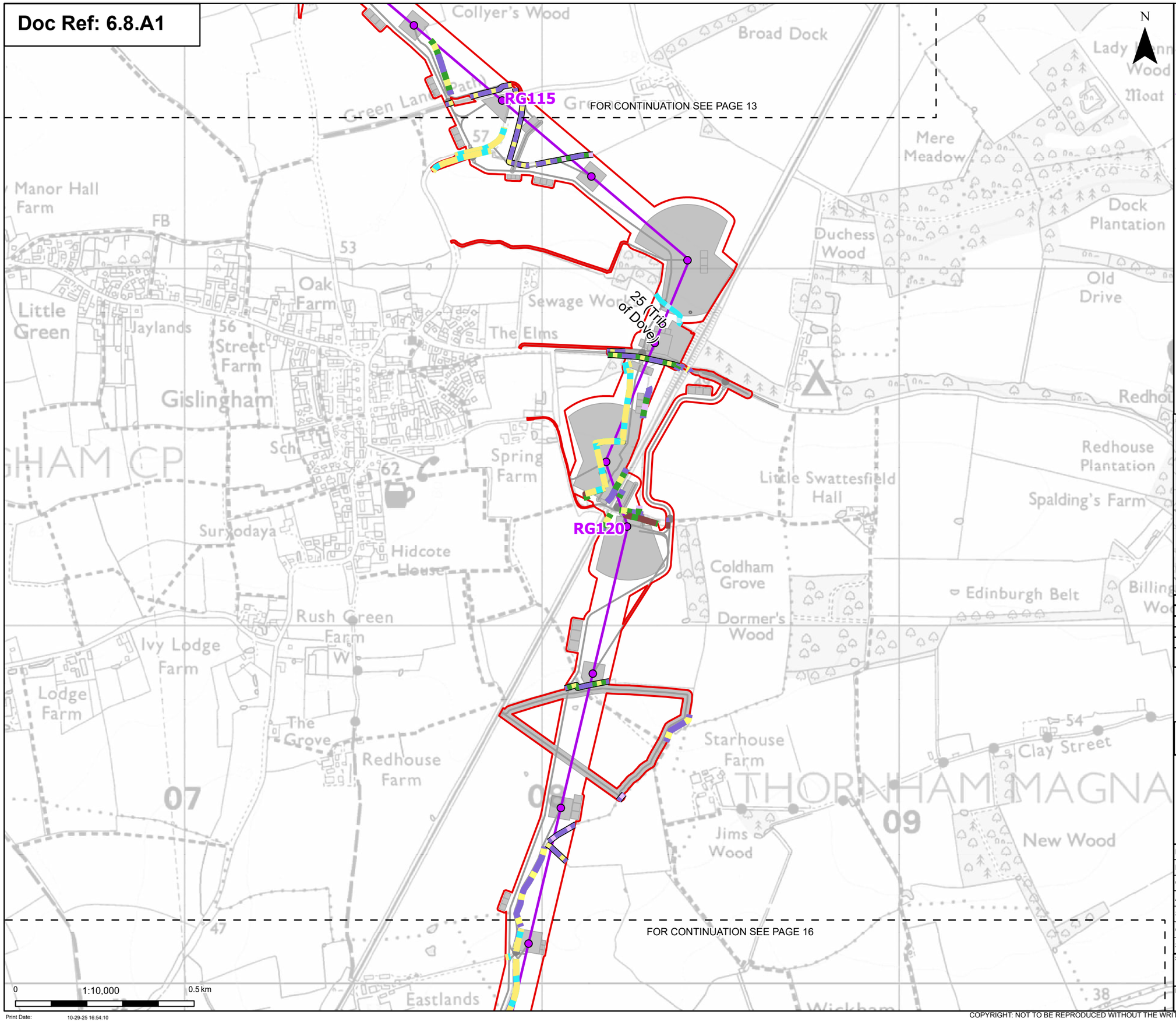
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Revision: B

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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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 15 of 63

Designed	A. Pinkney	Date	October 25
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Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

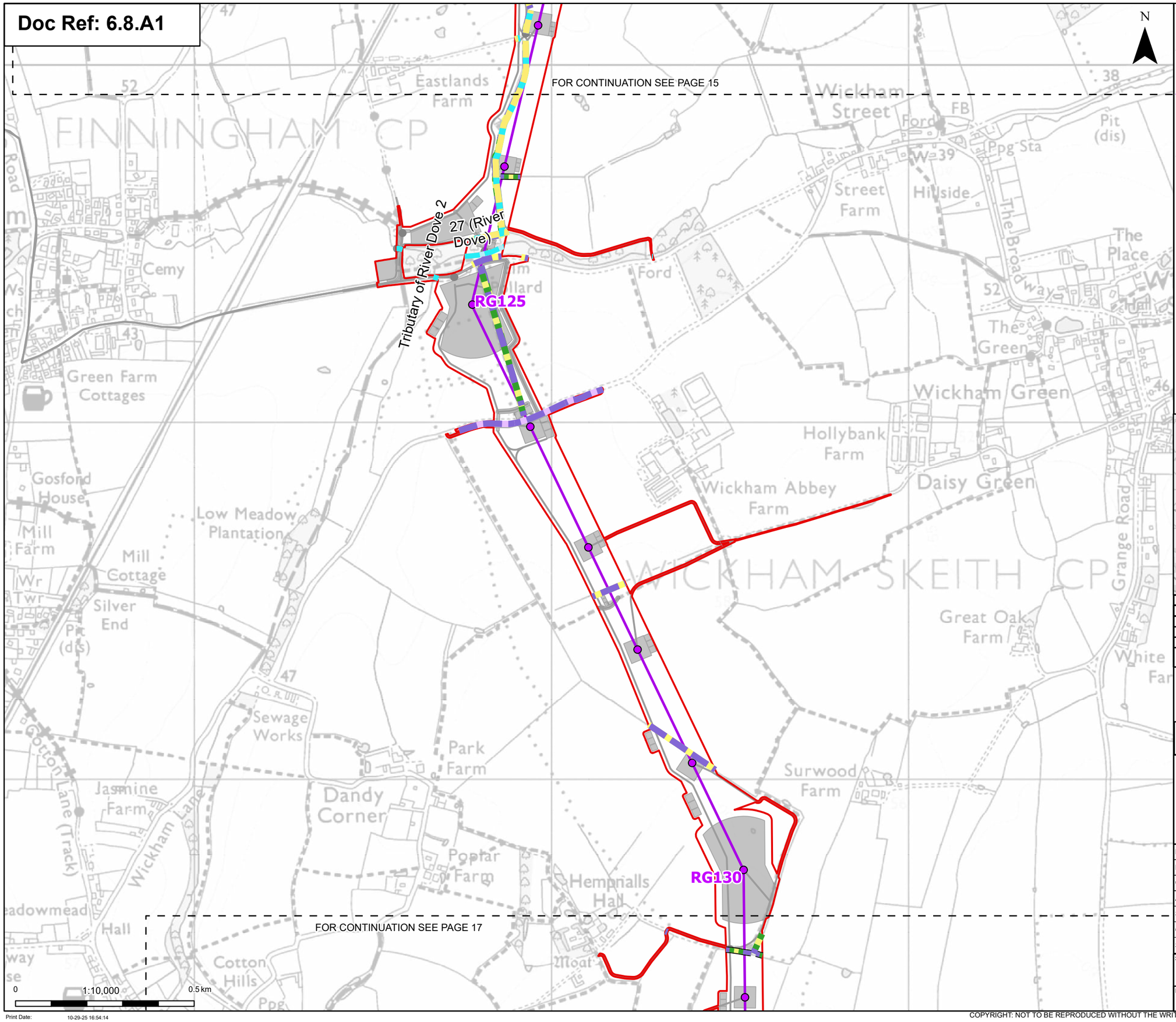
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

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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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow with trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 16 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

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FOR CONTINUATION SEE PAGE 16

FOR CONTINUATION SEE PAGE 18

RG135

N

0 1:10,000 0.5 km

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- Order limits
- Sheet index cutline

Proposed project design details

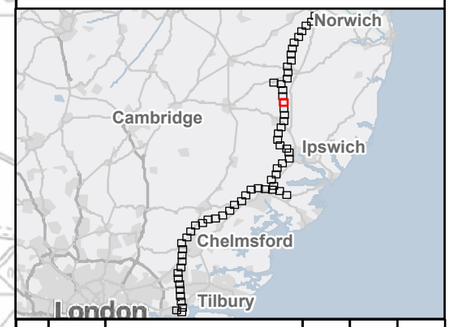
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 17 of 63

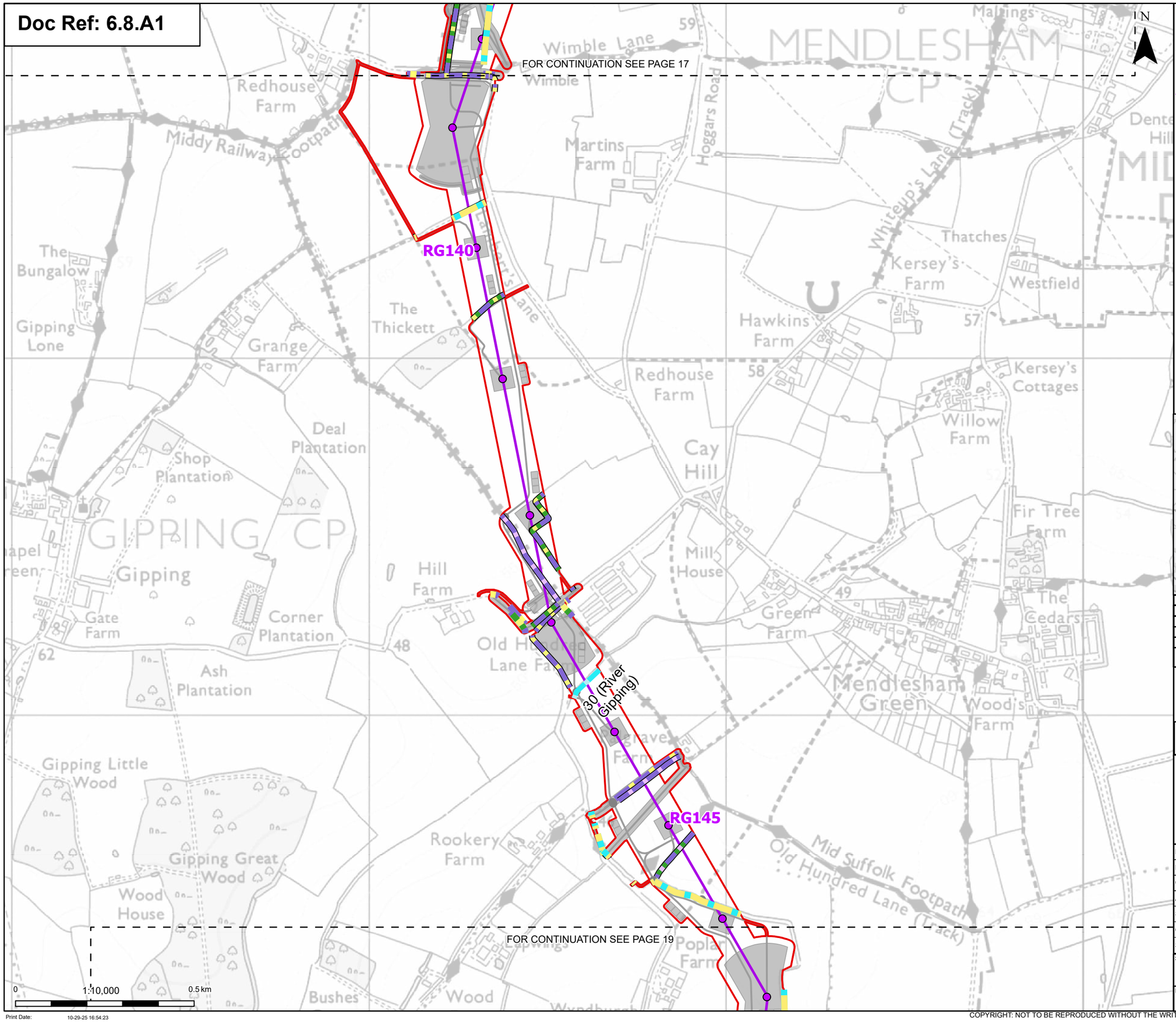
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Suitability Description: Accepted as Concept Stage

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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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Line of trees - associated with bank or ditch
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 18 of 63

Designed	A. Pinkney	Date	October 25
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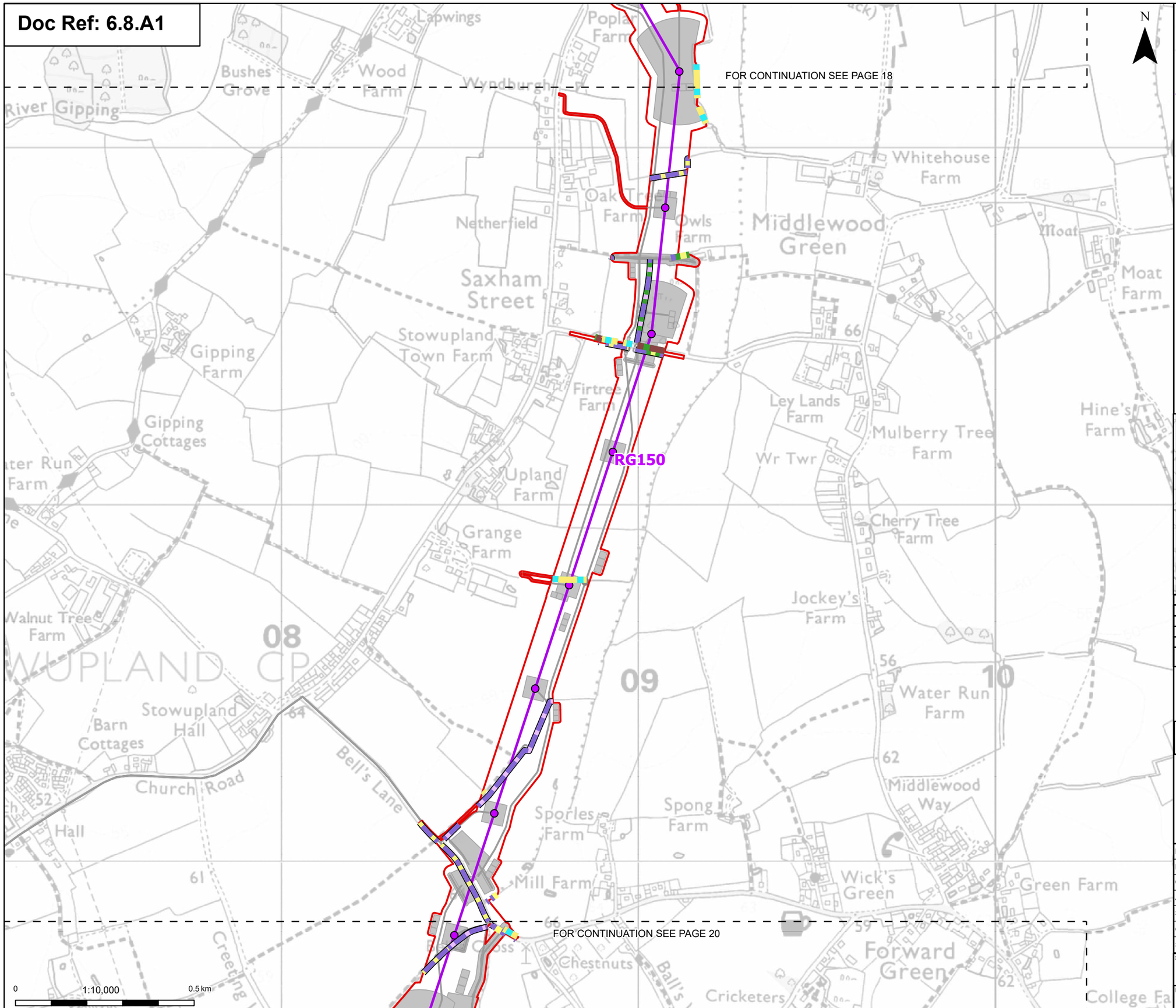
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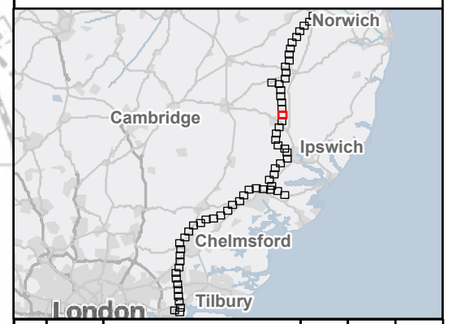
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
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- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Line of trees
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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 19 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-EBD-ZZ-DR-ZZ-00410
Revision: B

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FOR CONTINUATION SEE PAGE 19

FOR CONTINUATION SEE PAGE 21

RG155

RG160

N

0 1:10,000 0.5 km

Print Date: 10-29-25 16:54:30

- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 20 of 63

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

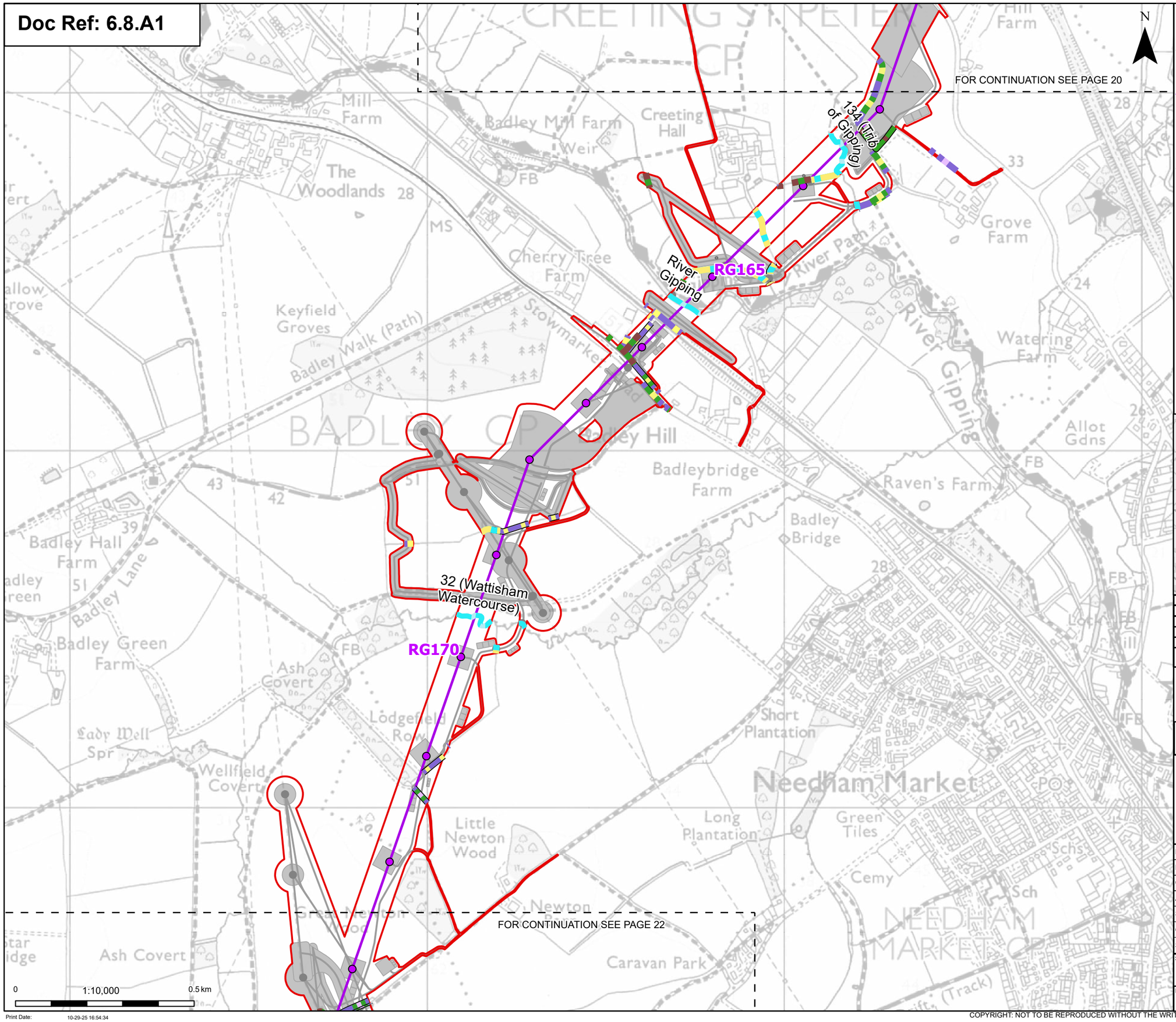
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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Doc Ref: 6.8.A1



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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 21 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00410

Revision: B

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FOR CONTINUATION SEE PAGE 21

FOR CONTINUATION SEE PAGE 23

RG175

RG180

32 (Wattisham Watercourse)

N

0 1:10,000 0.5 km

Print Date: 10-29-25 16:54:37

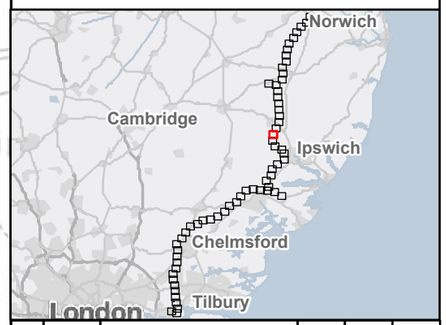
Order limits
Sheet index cutline

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
- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Section B Page 22 of 63

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

Suitability Description: Accepted as Concept Stage

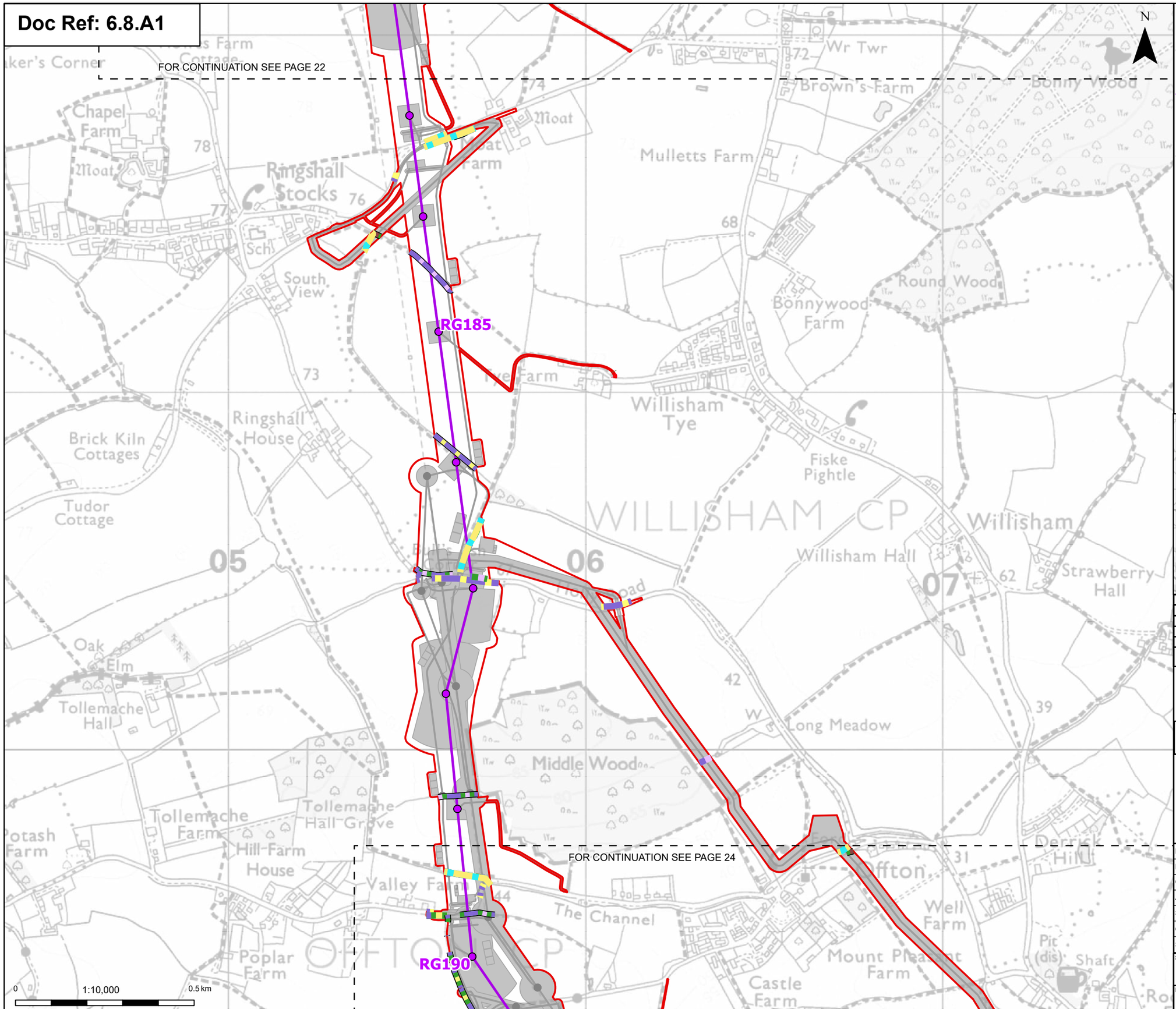
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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FOR CONTINUATION SEE PAGE 22



FOR CONTINUATION SEE PAGE 24

Print Date: 10-29-25 16:54:41

Order limits
Sheet index cutline

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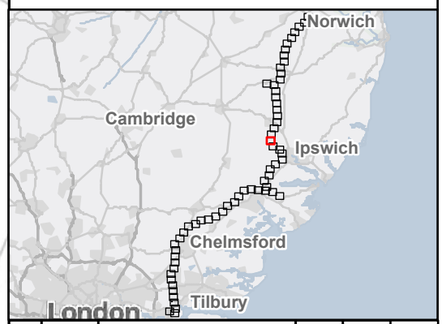
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 23 of 63

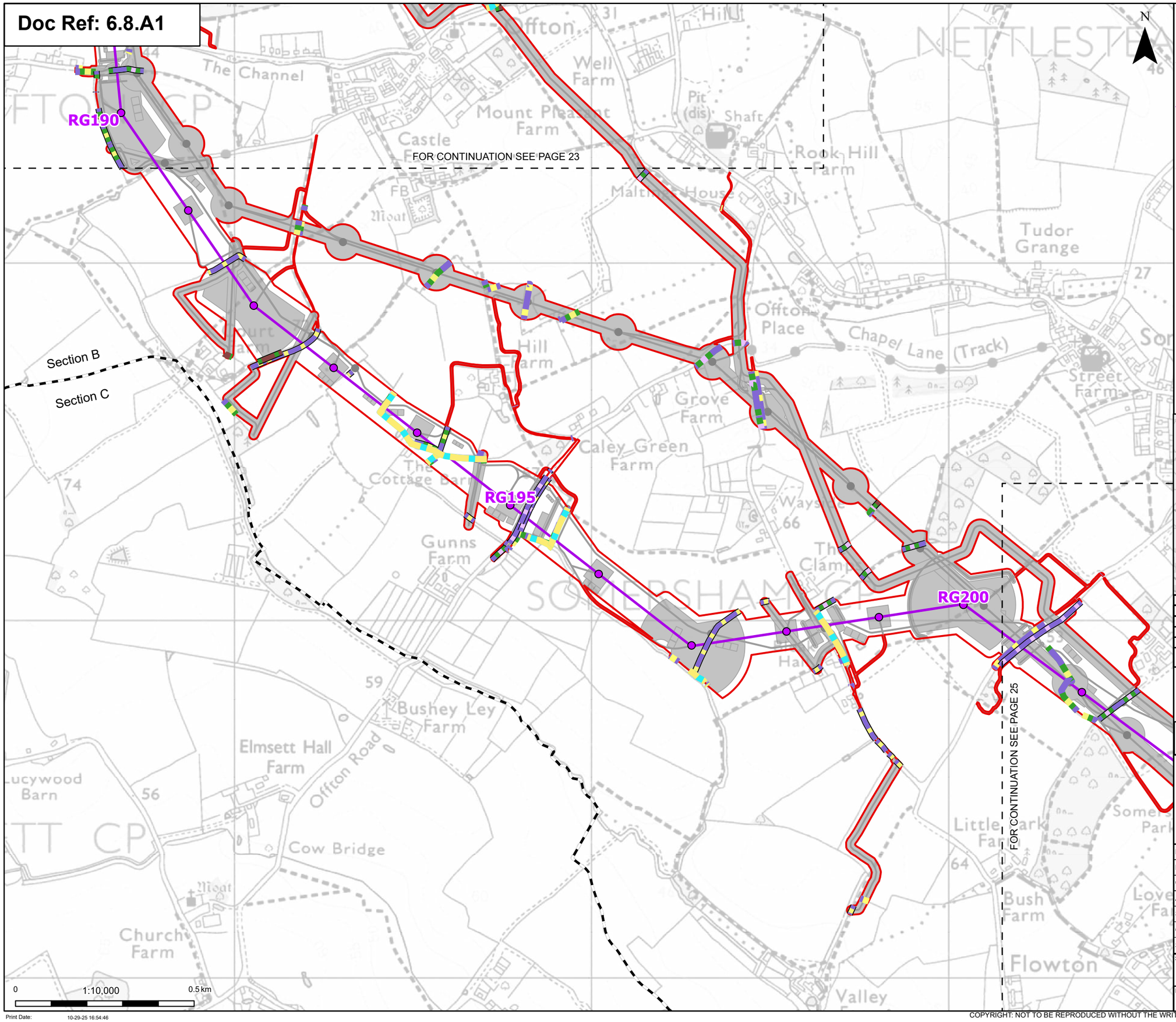
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

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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
Other temporary and permanent construction and operational works

Discipline specific constraints

Species-rich native hedgerow with trees - associated with bank or ditch
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow
Species-rich native hedgerow - associated with bank or ditch
Species-rich native hedgerow with trees
Line of trees - associated with bank or ditch
Line of trees
Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections B and C
Page 24 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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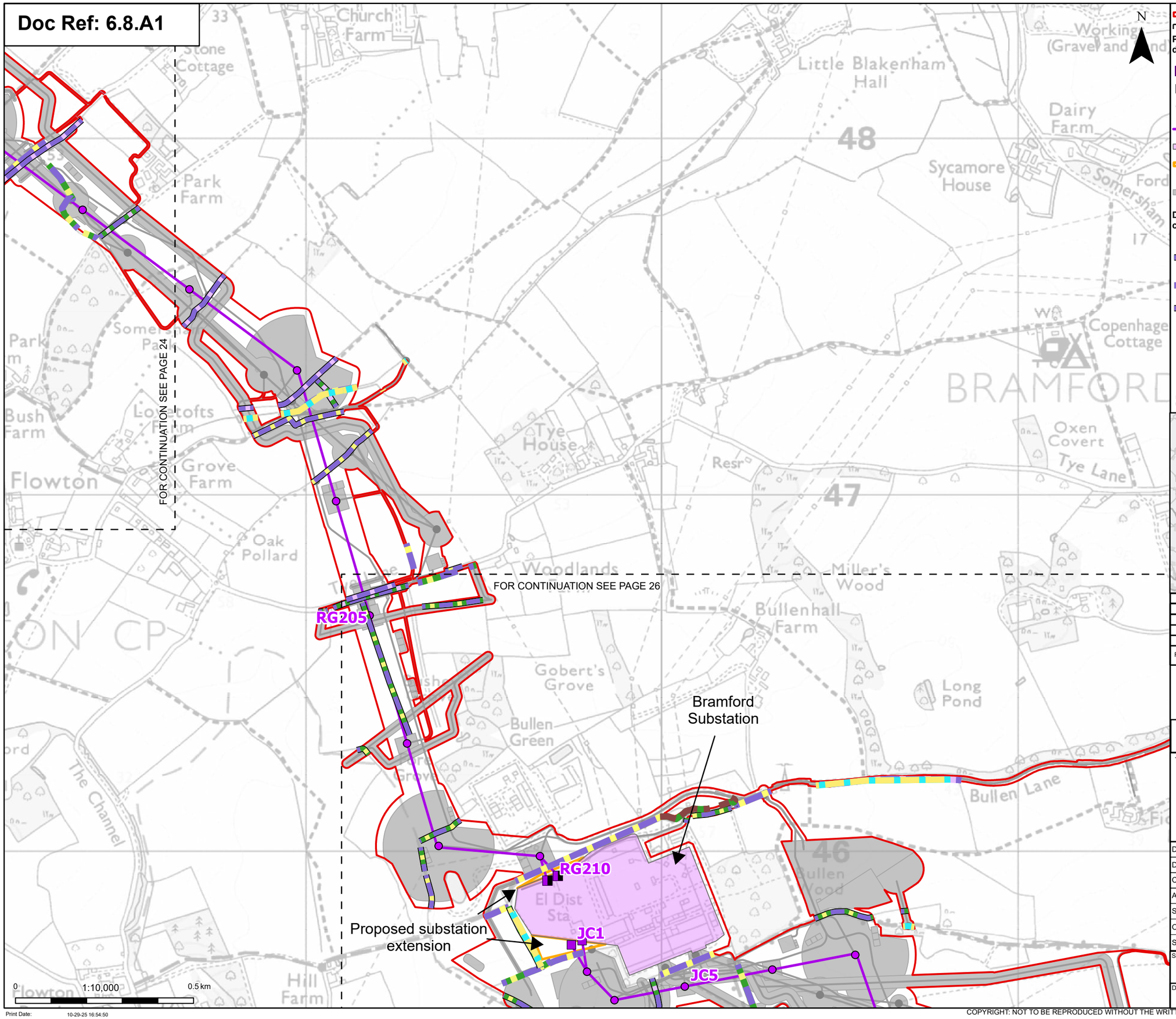
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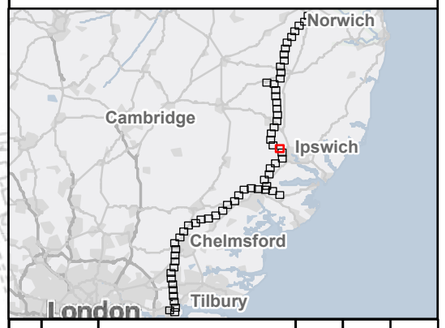
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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- Order limits
- Sheet index cutline

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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Ecologically valuable line of trees
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section B
Page 25 of 63

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

Suitability Description: Accepted as Concept Stage

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RG205

Bramford Substation

RG210

Proposed substation extension

JC1

JC5

JC10

FOR CONTINUATION SEE PAGE 25

FOR CONTINUATION SEE PAGE 27

Section B

Section C

N

0 1:10,000 0.5 km

Print Date: 10-29-25 16:54:54

- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Sections B and C
Page 26 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00410

Revision: B

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FOR CONTINUATION SEE PAGE 26

FOR CONTINUATION SEE PAGE 28

JC15

JC20

139 (Belstead Brook)

140 (Spring Brook)

N

0 1:10,000 0.5 km

Print Date: 10-29-25 16:54:58

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
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Culvert
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section C
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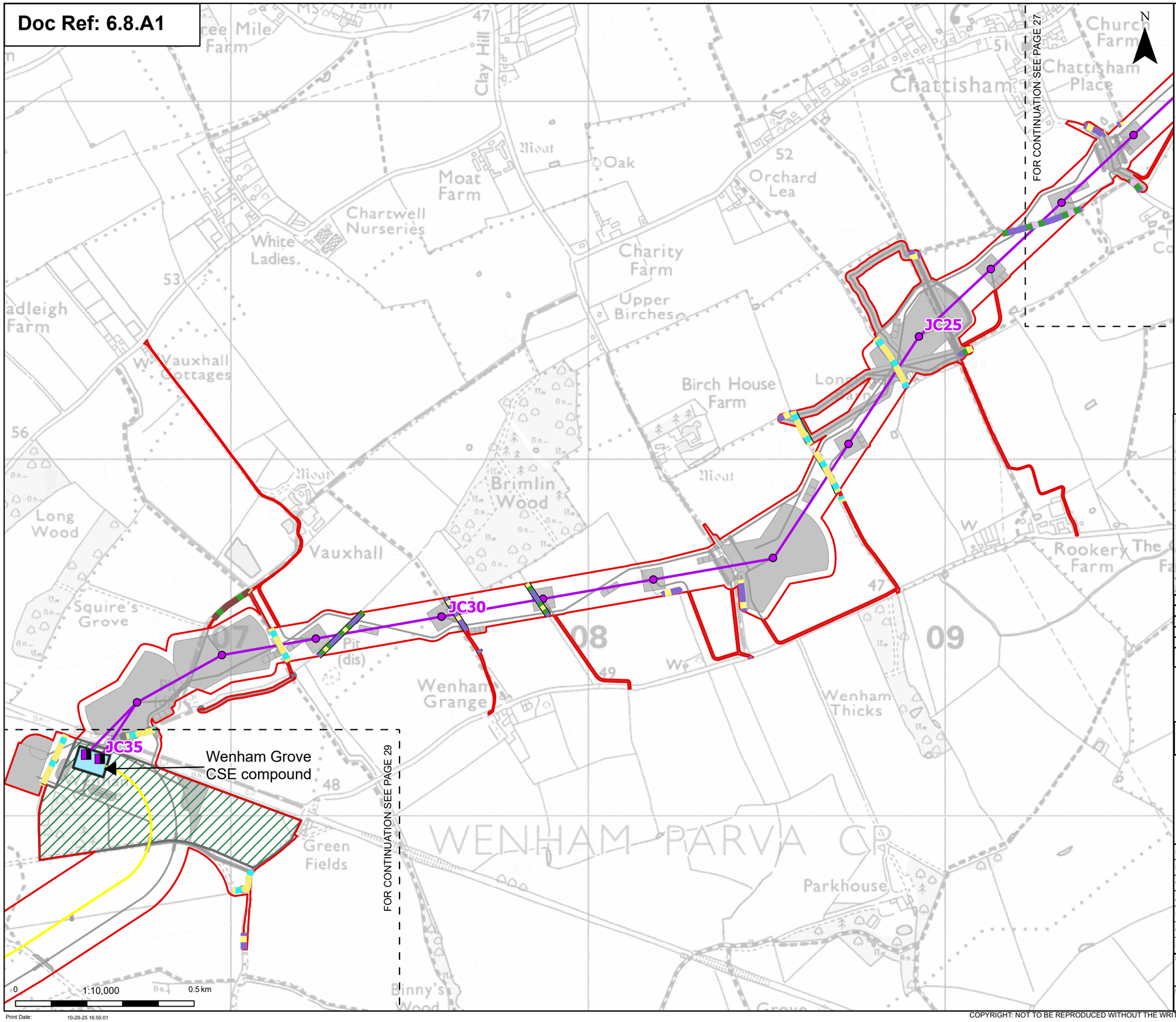
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

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Doc Ref: 6.8.A1



Order limits
Sheet index cutline

Proposed project design details

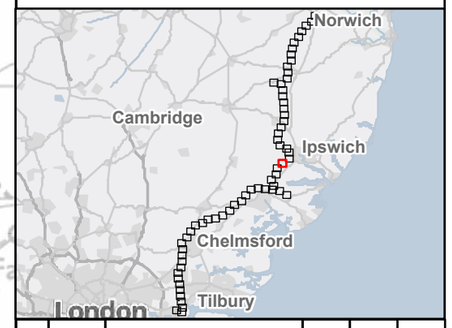
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section C
Page 28 of 63

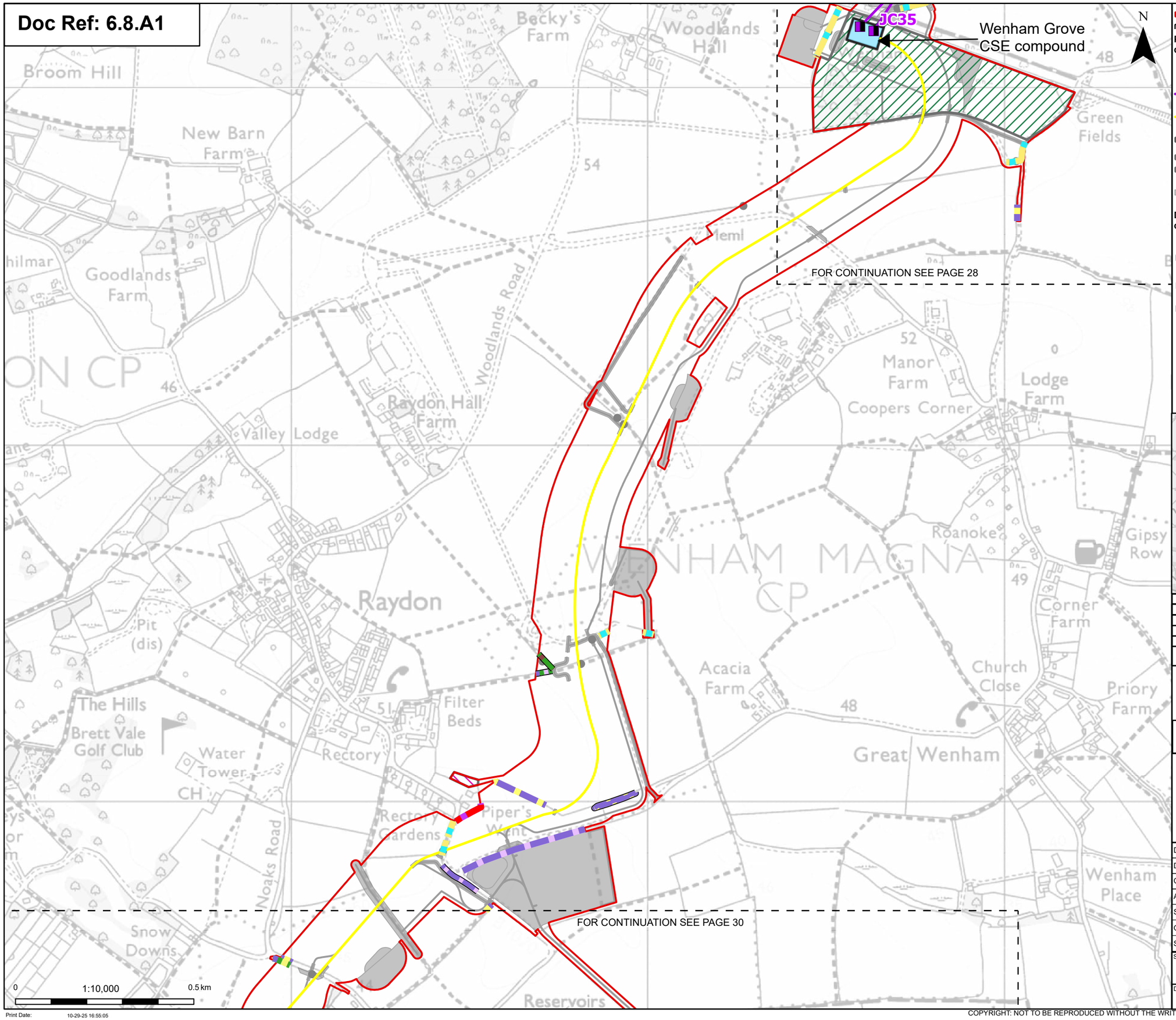
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Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
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Doc Ref: 6.8.A1



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- Sheet index cutline

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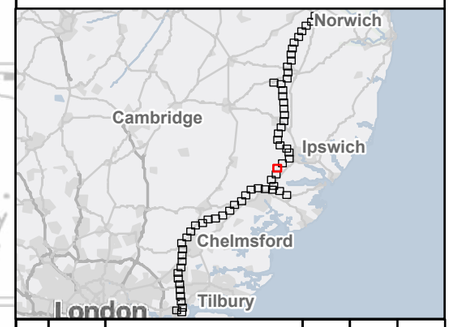
- Proposed full line tension gantry
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Non-native and ornamental hedgerow
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Ecologically valuable line of trees - associated with bank or ditch
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section C
Page 29 of 63

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

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FOR CONTINUATION SEE PAGE 29

FOR CONTINUATION SEE PAGE 31

145 (Trib of Brett)

146 (Trib of Stour)

0 1:10,000 0.5 km

Print Date: 10-29-25 16:55:09

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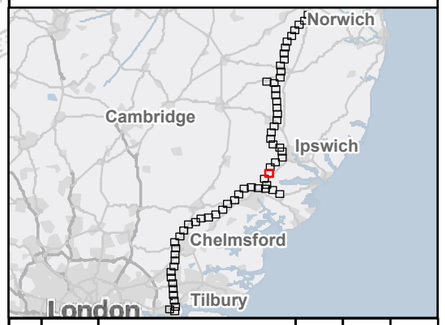
Order limits
Sheet index cutline
Proposed project design details
Proposed underground cable alignment
Other temporary and permanent construction and operational works

Discipline specific constraints

Species-rich native hedgerow with trees - associated with bank or ditch
Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Species-rich native hedgerow with trees
Ecologically valuable line of trees
Line of trees
Ditch
Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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B	Oct 2025	FOR DCO APPLICATION	KF	AF	KB
A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section C
Page 30 of 63

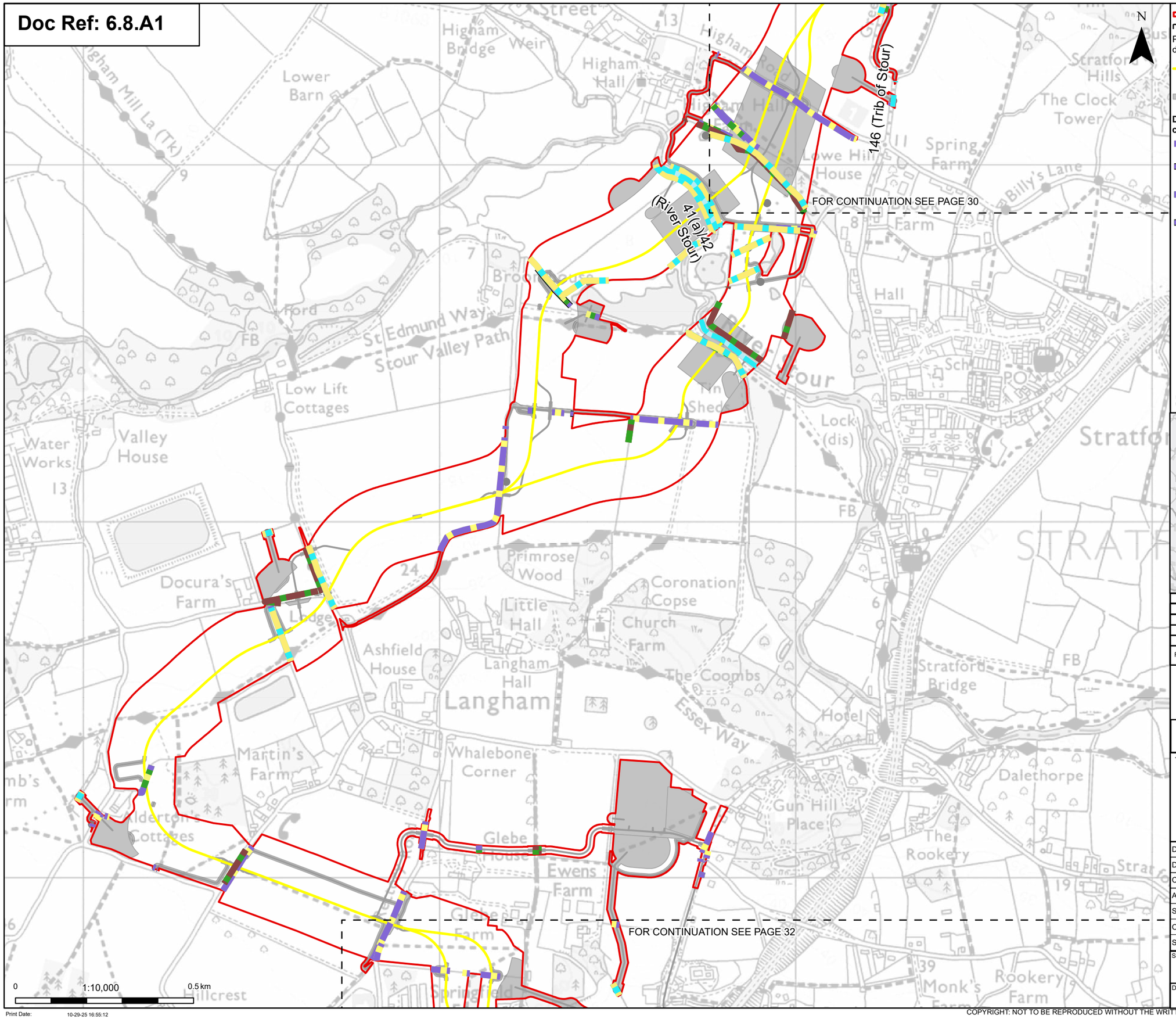
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Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
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- Order limits
- Sheet index cutline

Proposed project design details

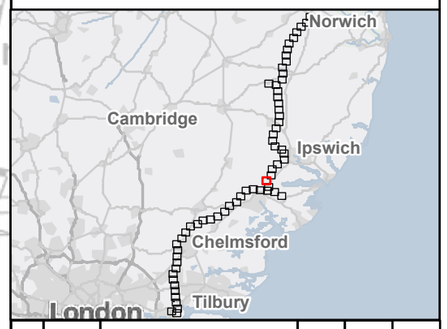
- Proposed underground cable alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section C
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

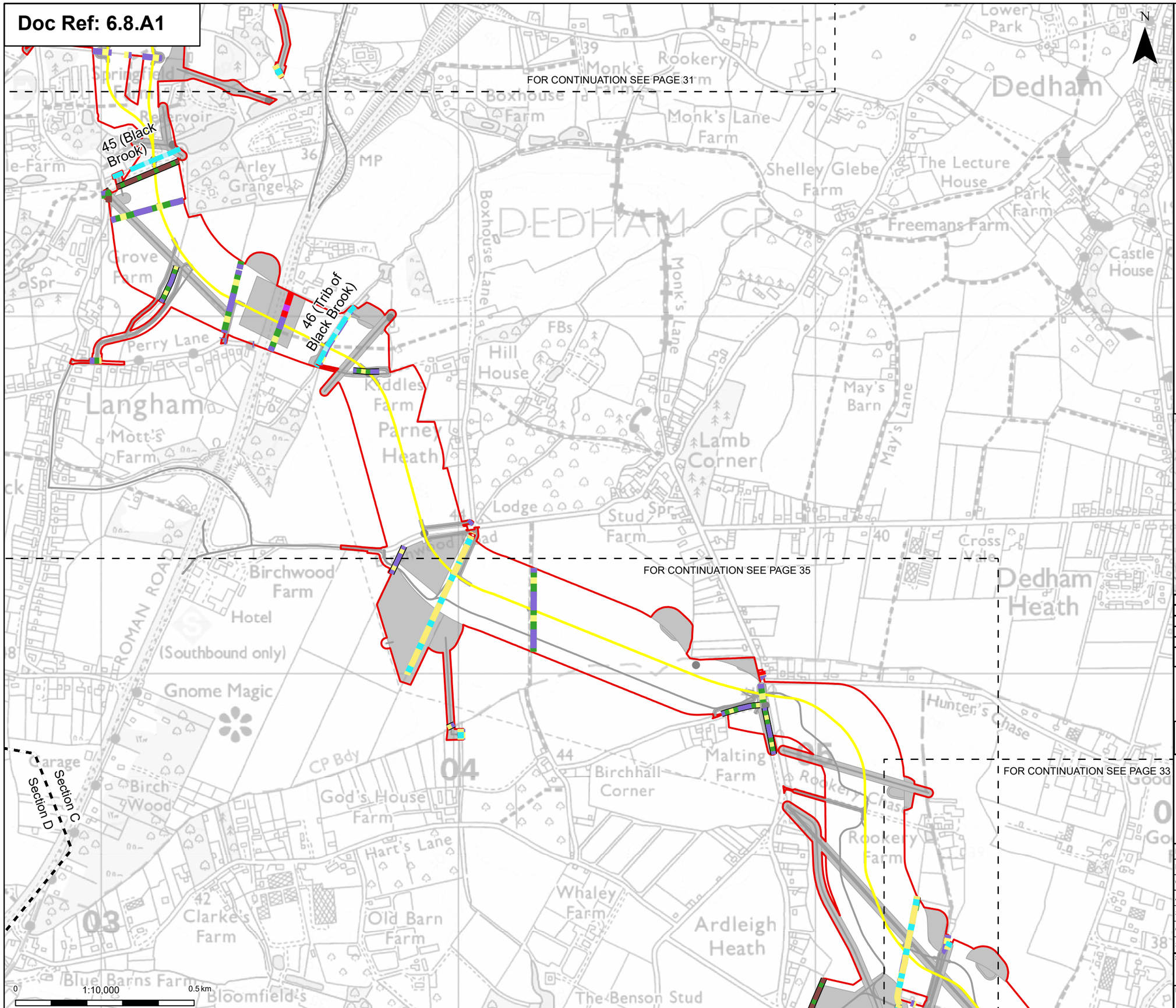
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Order limits
Sheet index cutline
Project section line

Proposed project design details

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

Discipline specific constraints

Native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Native hedgerow with trees - associated with bank or ditch
Non-native and ornamental hedgerow
Line of trees - associated with bank or ditch
Line of trees
Ditch
Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections C and D Page 32 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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Suitability Code:	A2	Project Number:	10059280

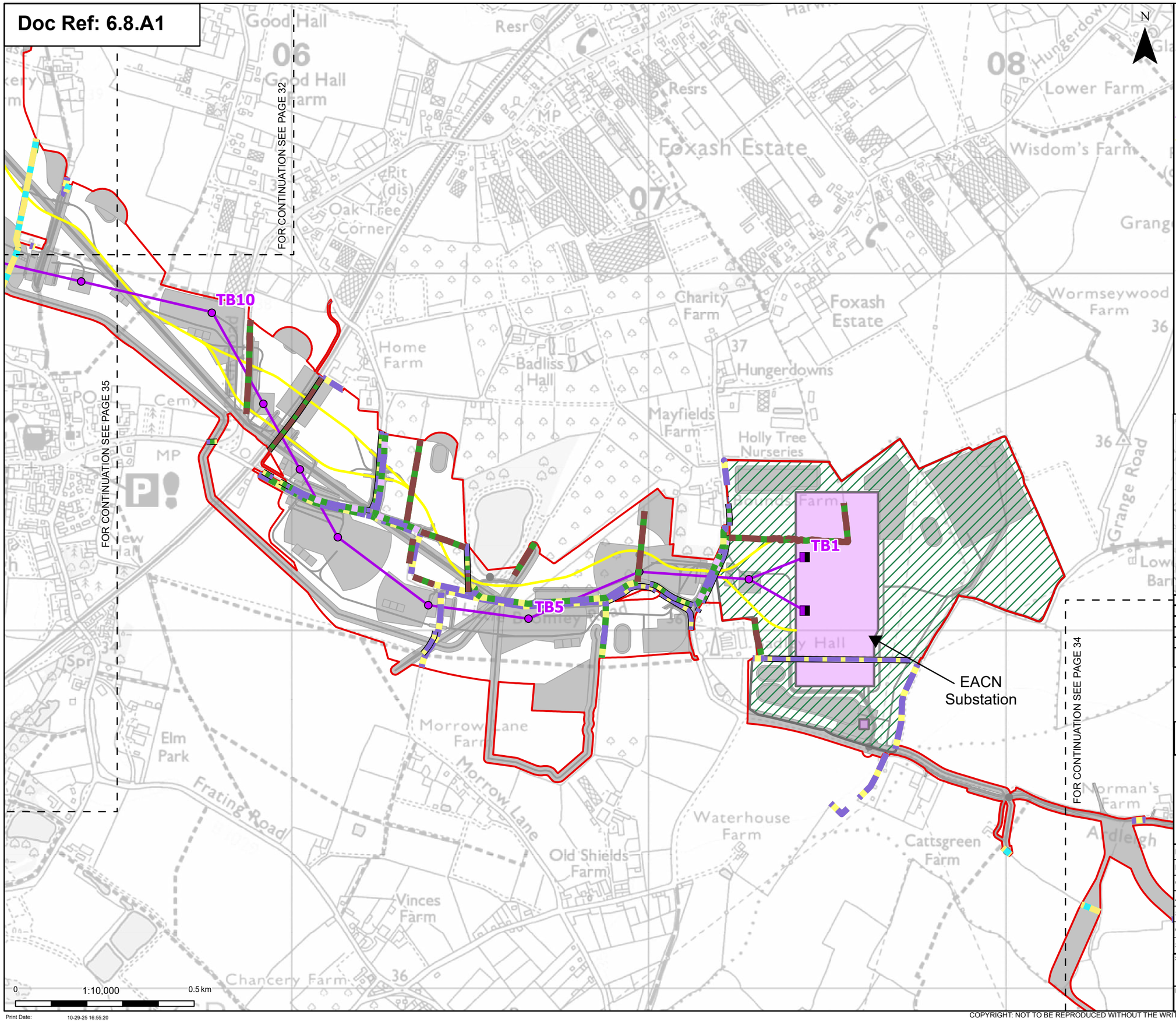
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Order limits
Sheet index cutline

Proposed project design details

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

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Section C Page 33 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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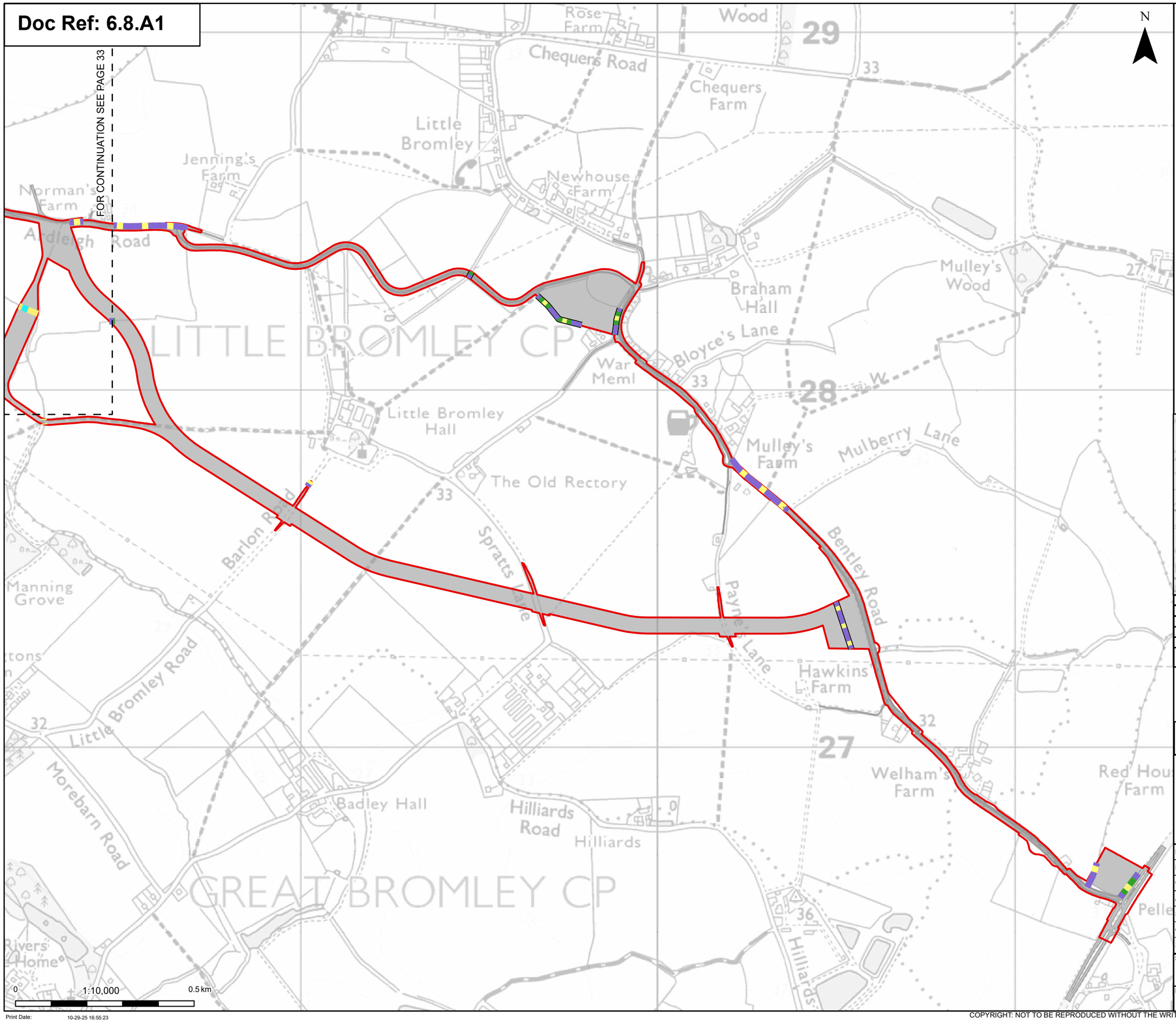
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Revision: B

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- Order limits
- Sheet index cutline

Proposed project design details

- Other temporary and permanent construction and operational works

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section C
Page 34 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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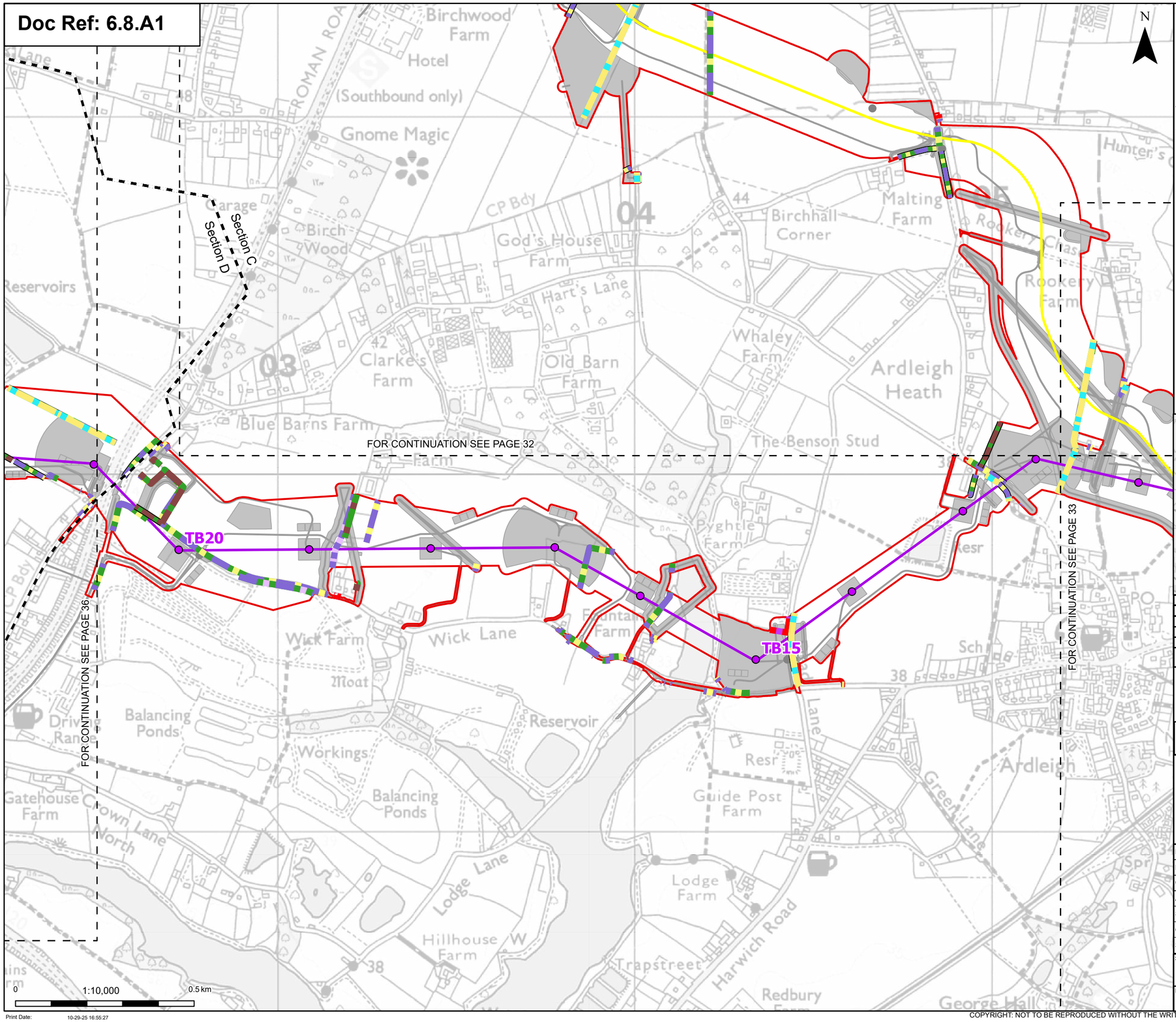
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Order limits
Sheet index cutline
Project section line

Proposed project design details

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

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Sections C and D
Page 35 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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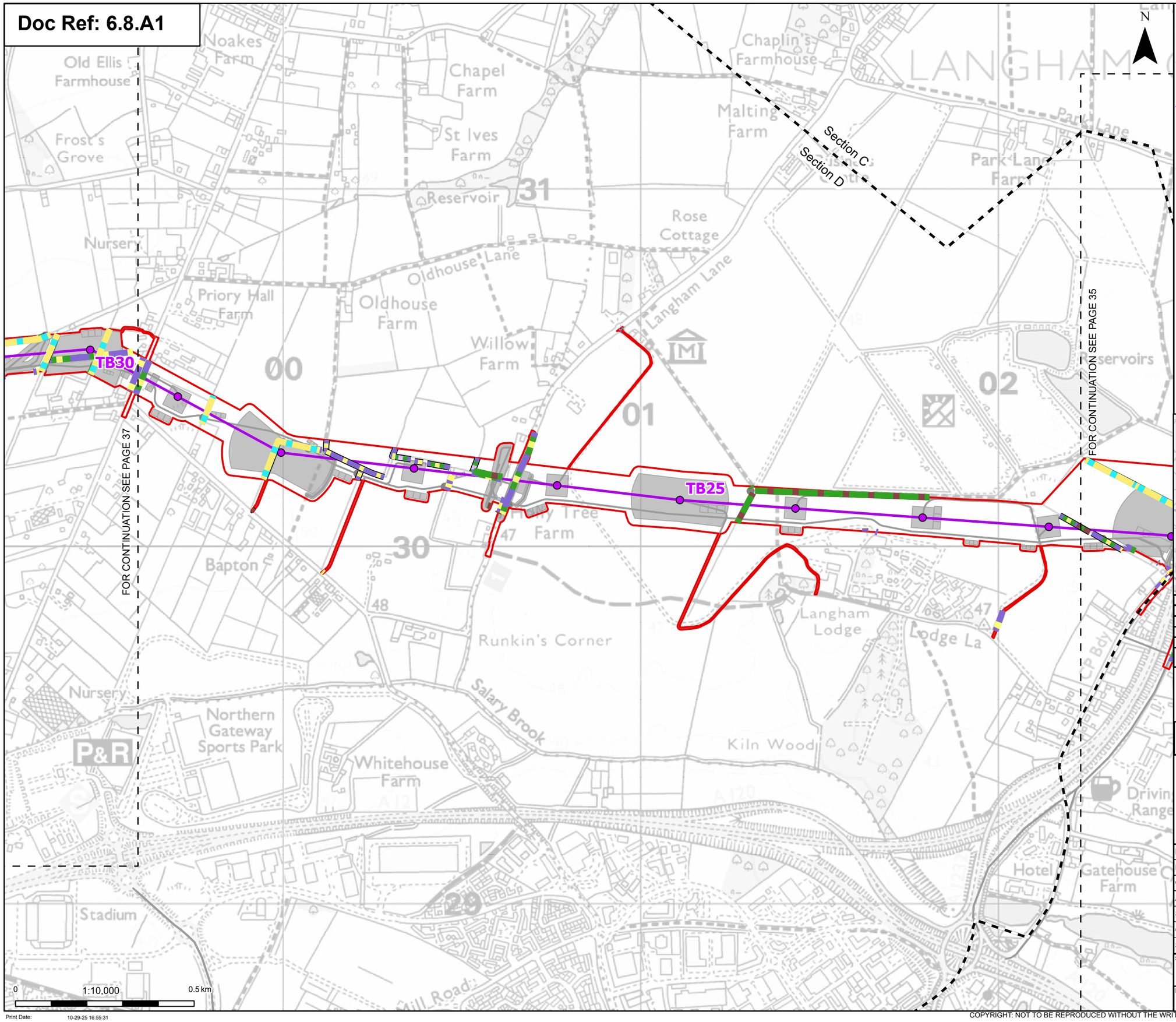
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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

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

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
nationalgrid Norwich to Tilbury

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

Title:
Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections C and D
Page 36 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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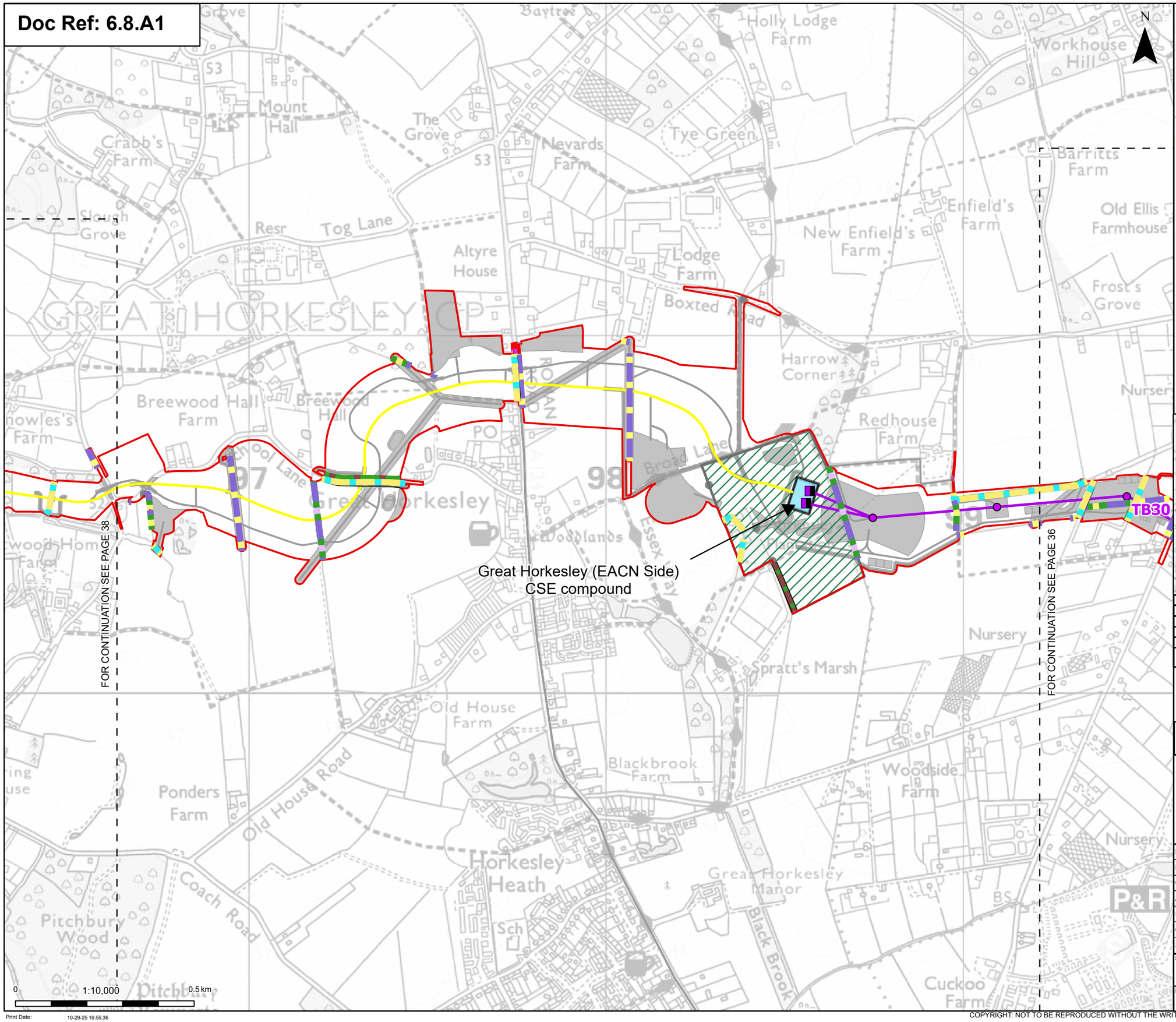
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Order limits
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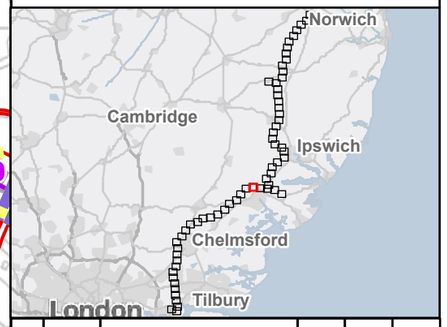
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section D
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00410

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Great Horkesley (Tilbury Side)
CSE compound

TB35

TB40

55 (Trib of Colne)

FOR CONTINUATION SEE PAGE 37

FOR CONTINUATION SEE PAGE 39

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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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section D
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
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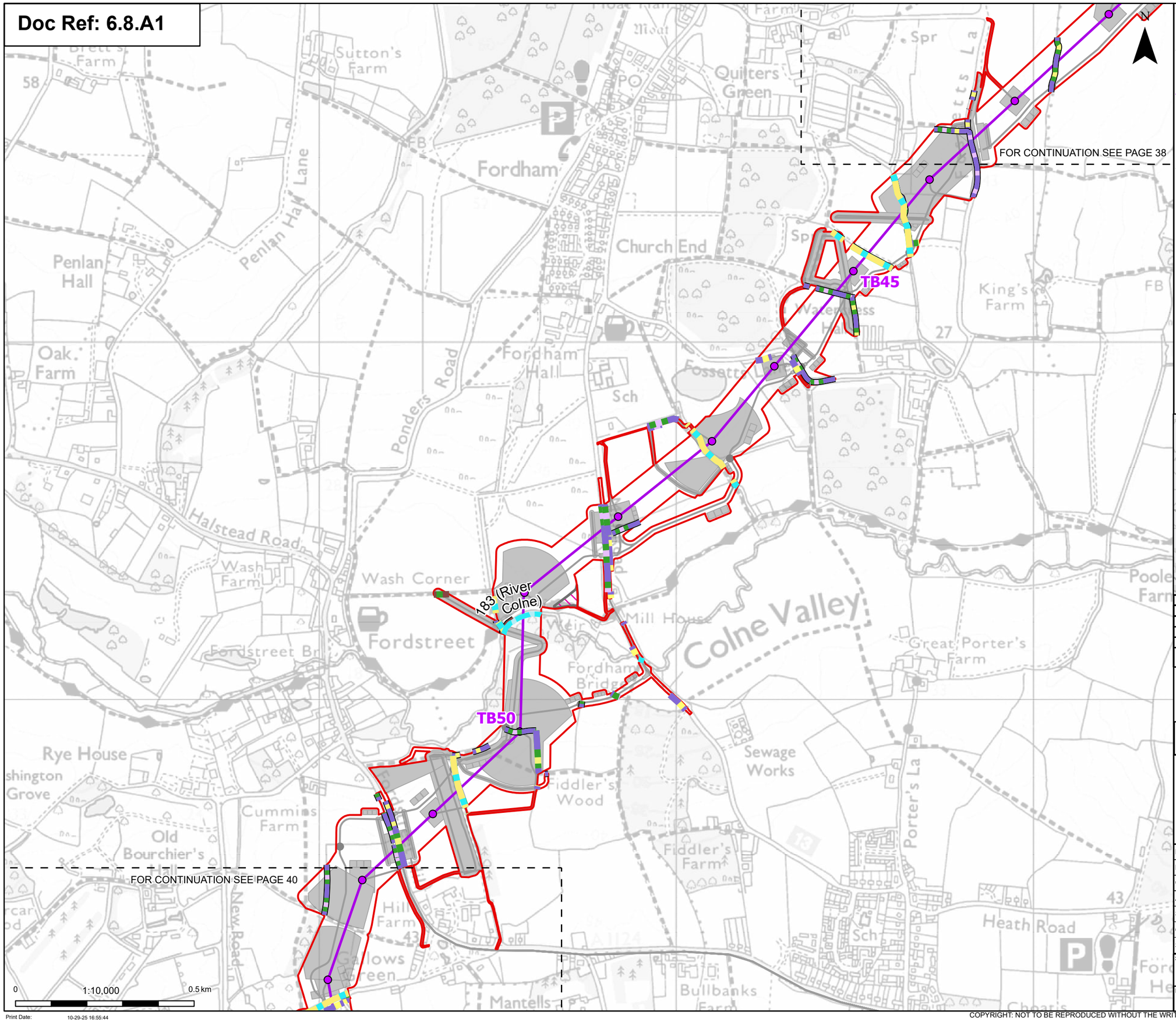
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

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- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section D
Page 39 of 63

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

Suitability Description: Accepted as Concept Stage

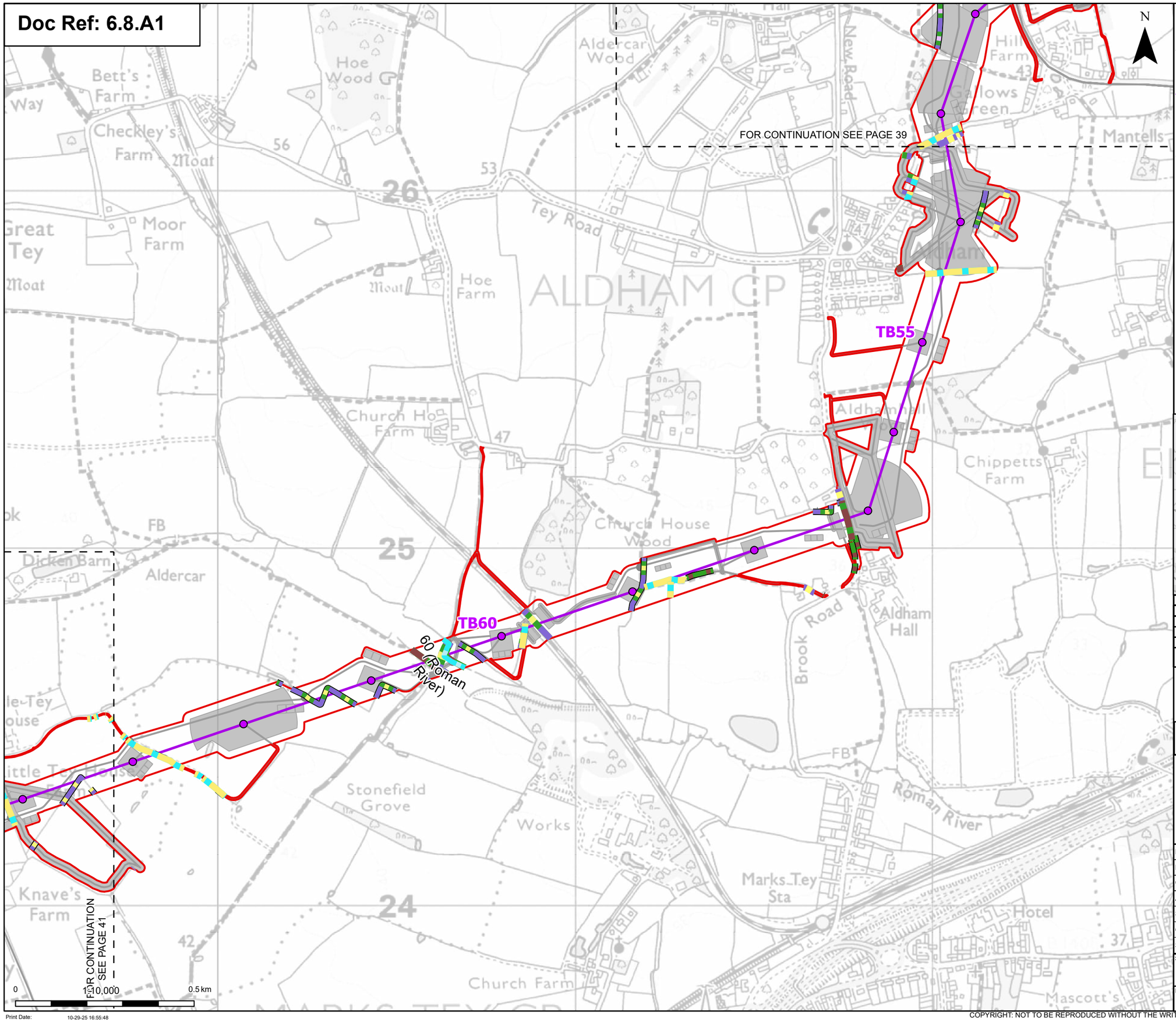
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Order limits
Sheet index cutline

Proposed project design details

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

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section D
Page 40 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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Scale:	1:10,000	Datum:	AOD
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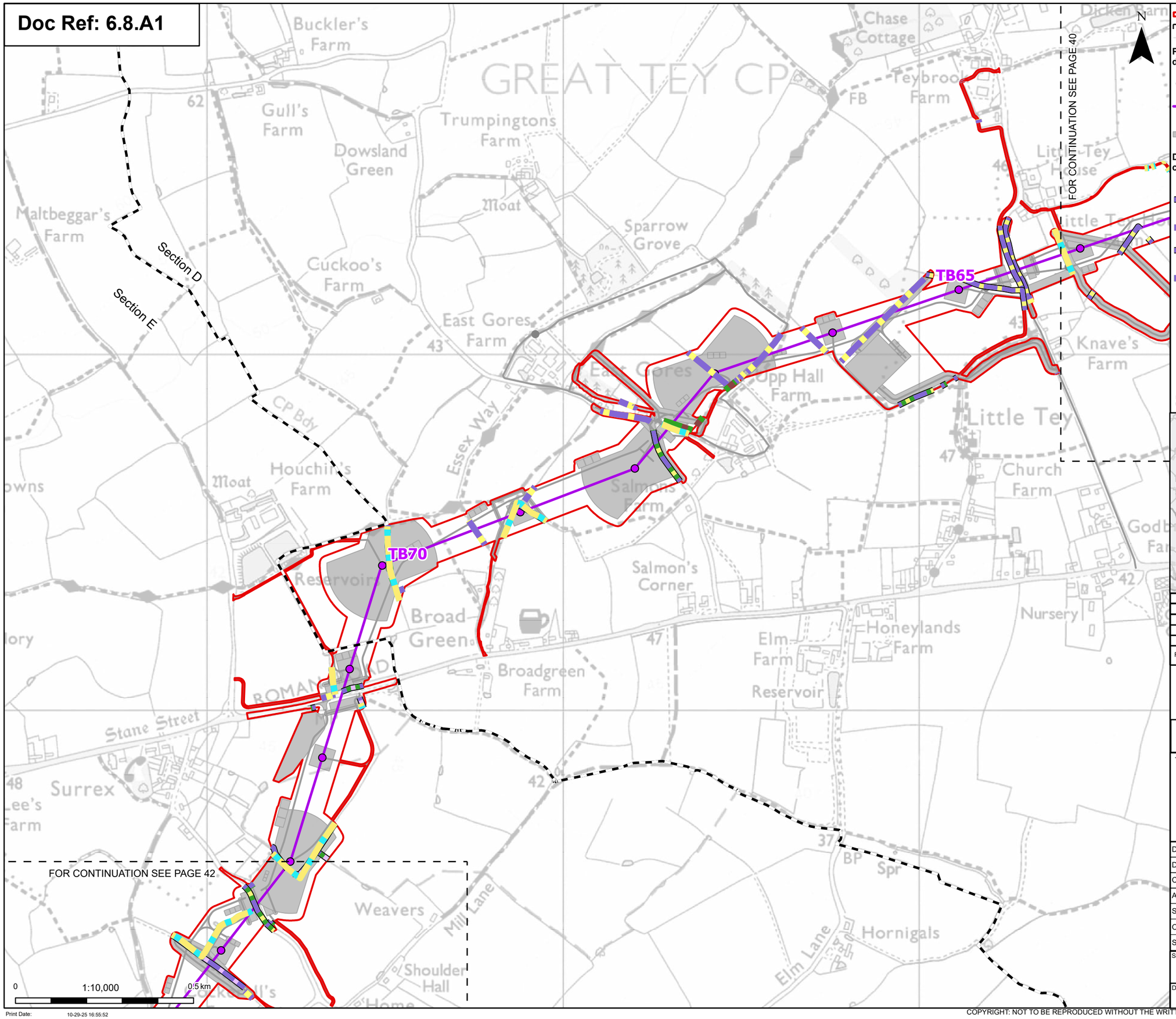
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

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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
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections D and E Page 41 of 63

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

Suitability Description: Accepted as Concept Stage

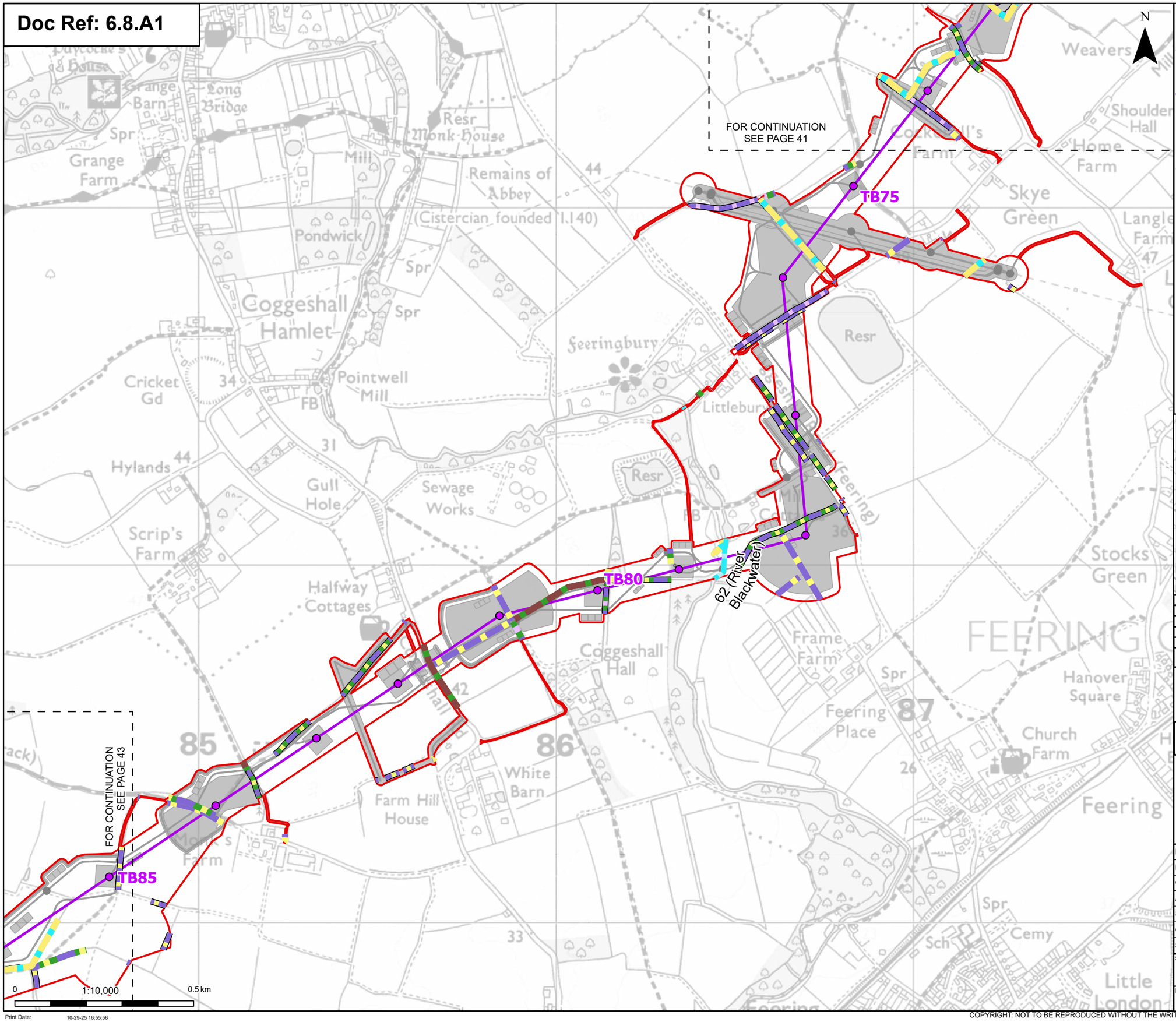
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Revision: B

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- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Section E Page 42 of 63

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

Suitability Description: Accepted as Concept Stage

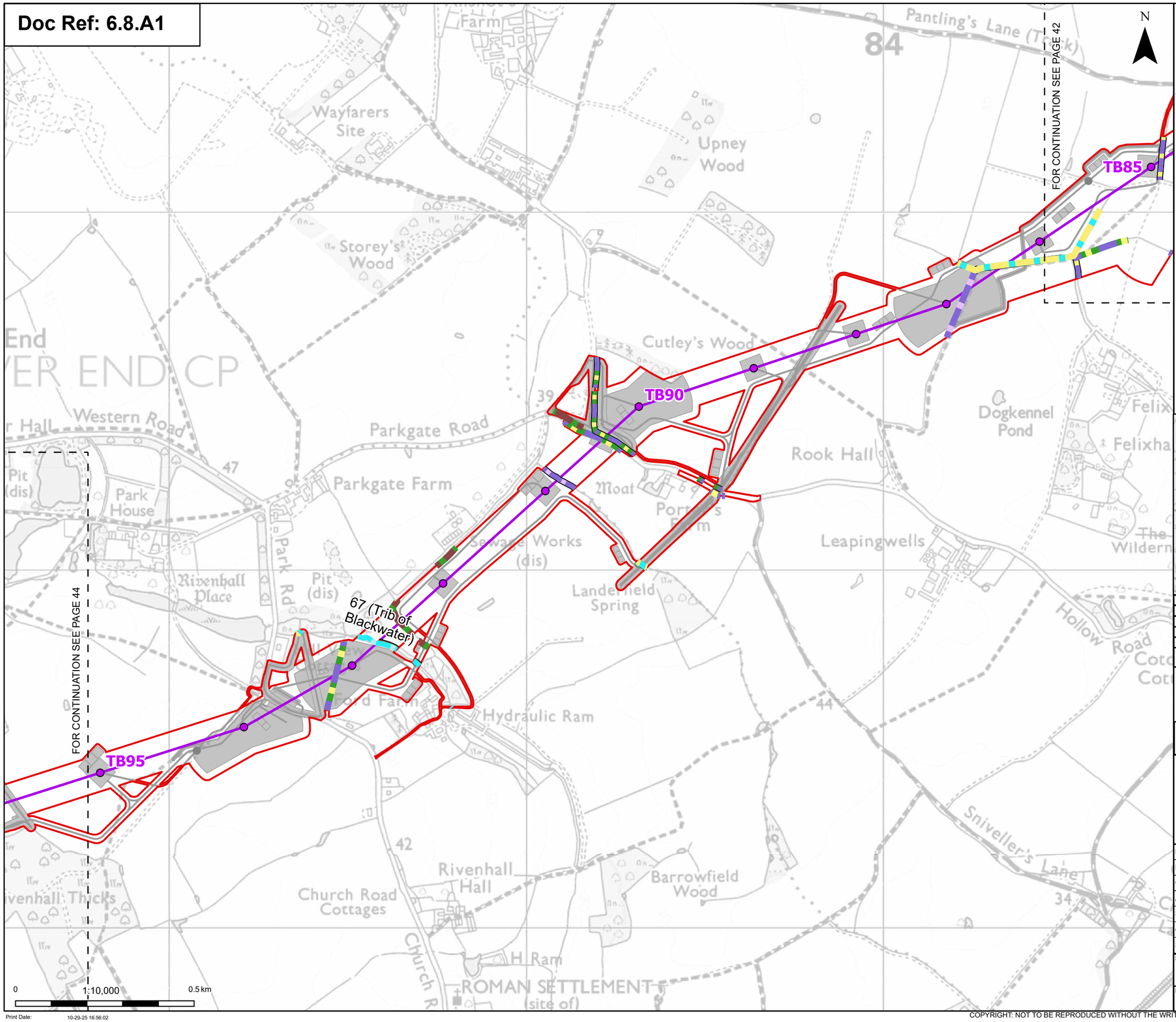
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Revision: B

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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
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:
Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section E
Page 43 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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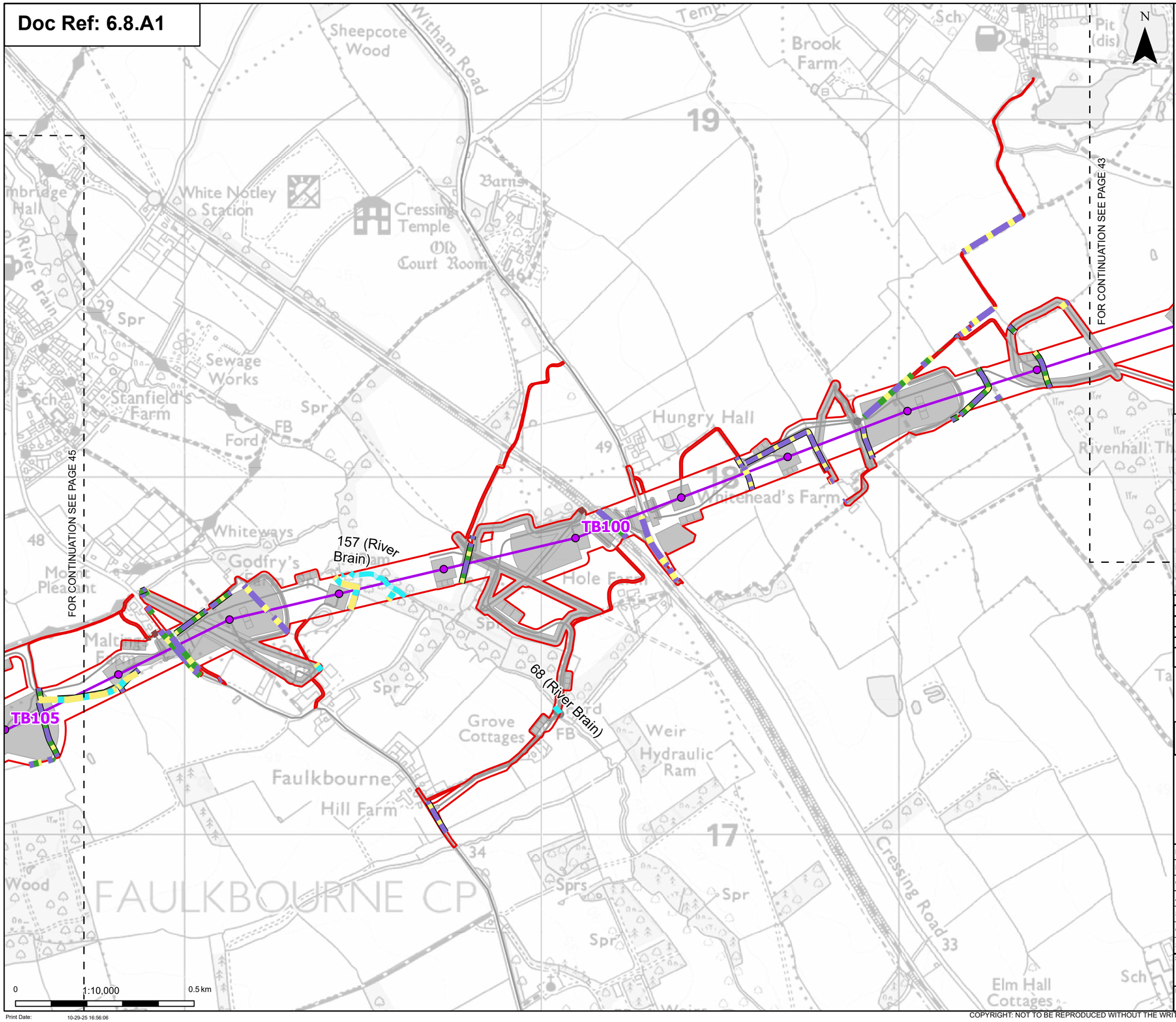
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

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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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section E
Page 44 of 63

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

Suitability Description:
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Fairstead (Tilbury Side) CSE compound

Fairstead (EACN Side) CSE compound

TB115

TB110

TB105

71 (Trib of Ter)

FOR CONTINUATION SEE PAGE 44

FOR CONTINUATION SEE PAGE 46

0 1:10,000 0.5 km

Print Date: 10-29-25 16:56:10

N

- 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

- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section E
Page 45 of 63

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

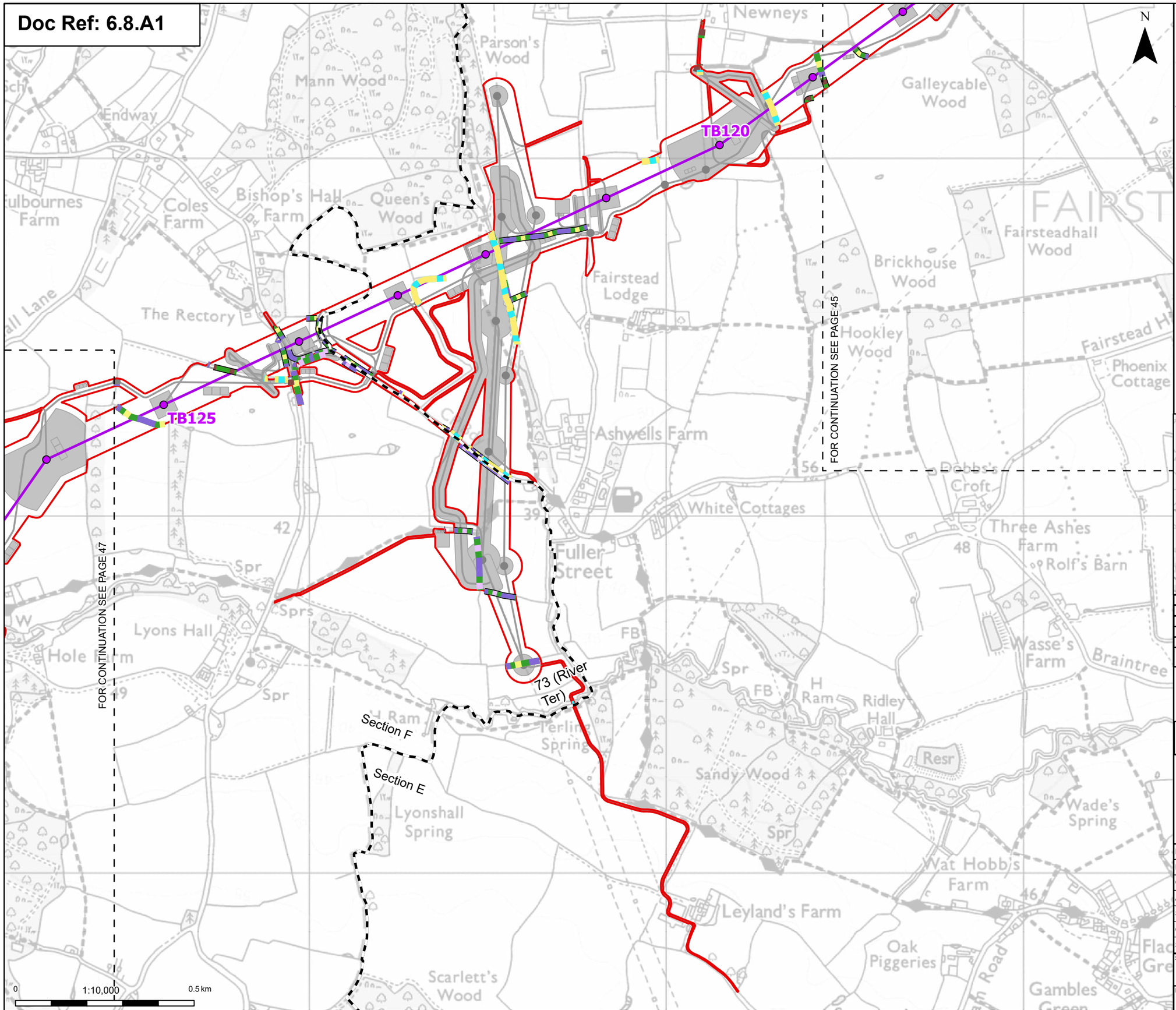
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

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Doc Ref: 6.8.A1



- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

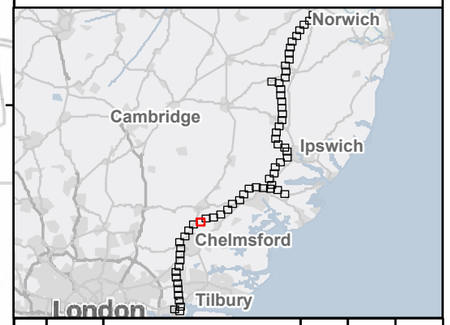
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections E and F
Page 46 of 63

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

Suitability Description: Accepted as Concept Stage

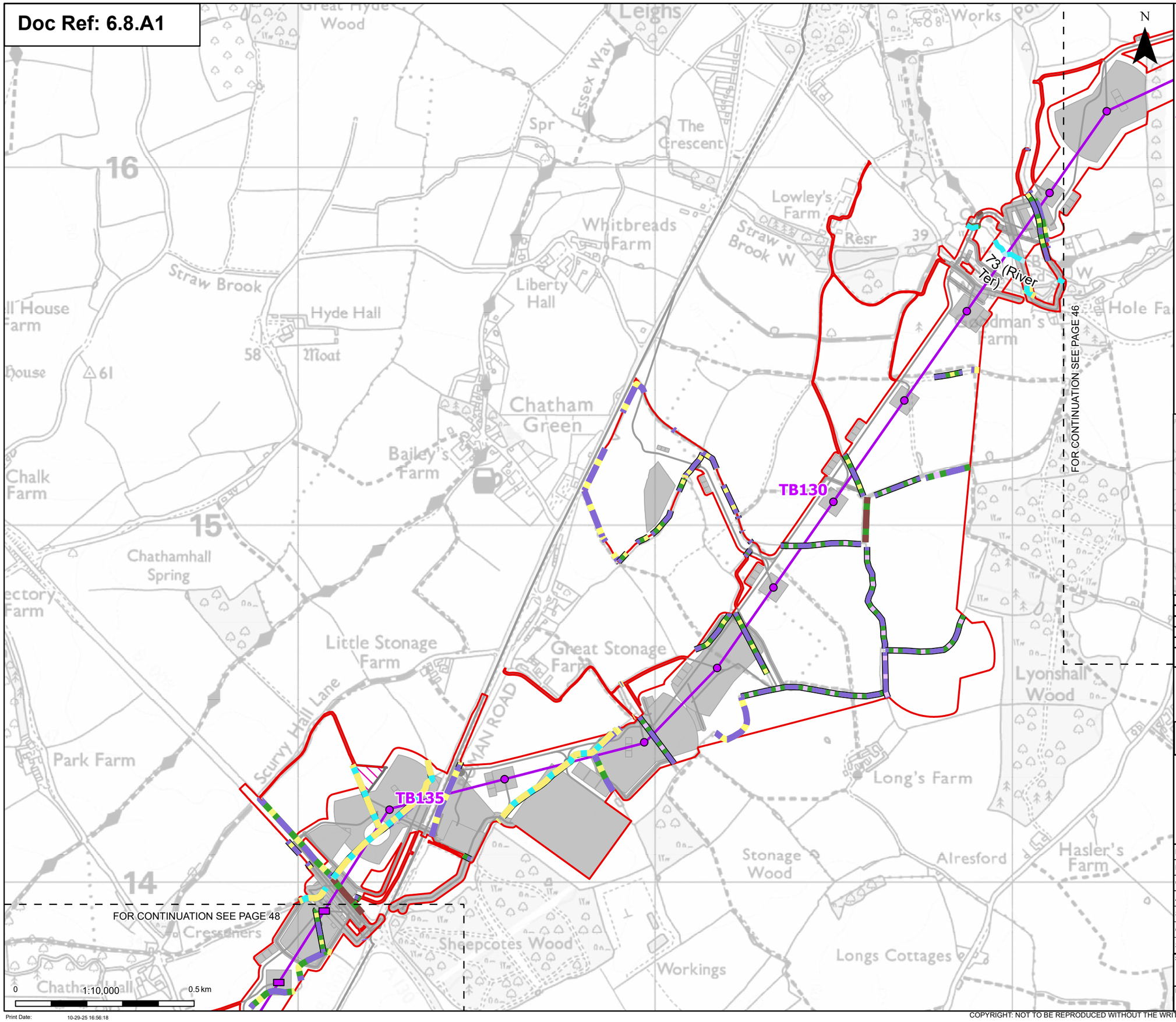
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Order limits
Sheet index cutline

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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section F
Page 47 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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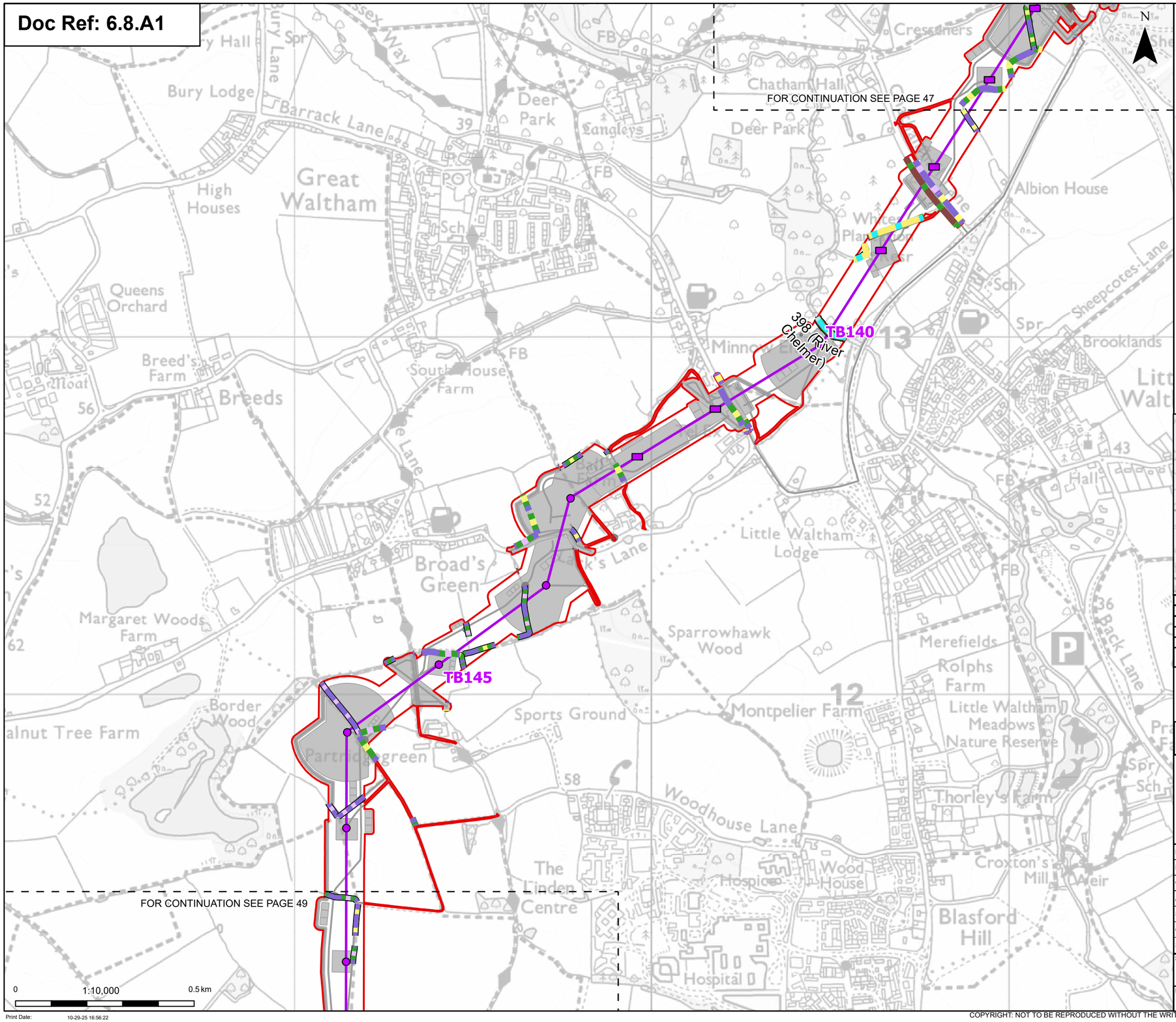
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- Order limits
- Sheet index cutline

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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section F
Page 48 of 63

Designed	A. Pinkney	Date	October 25
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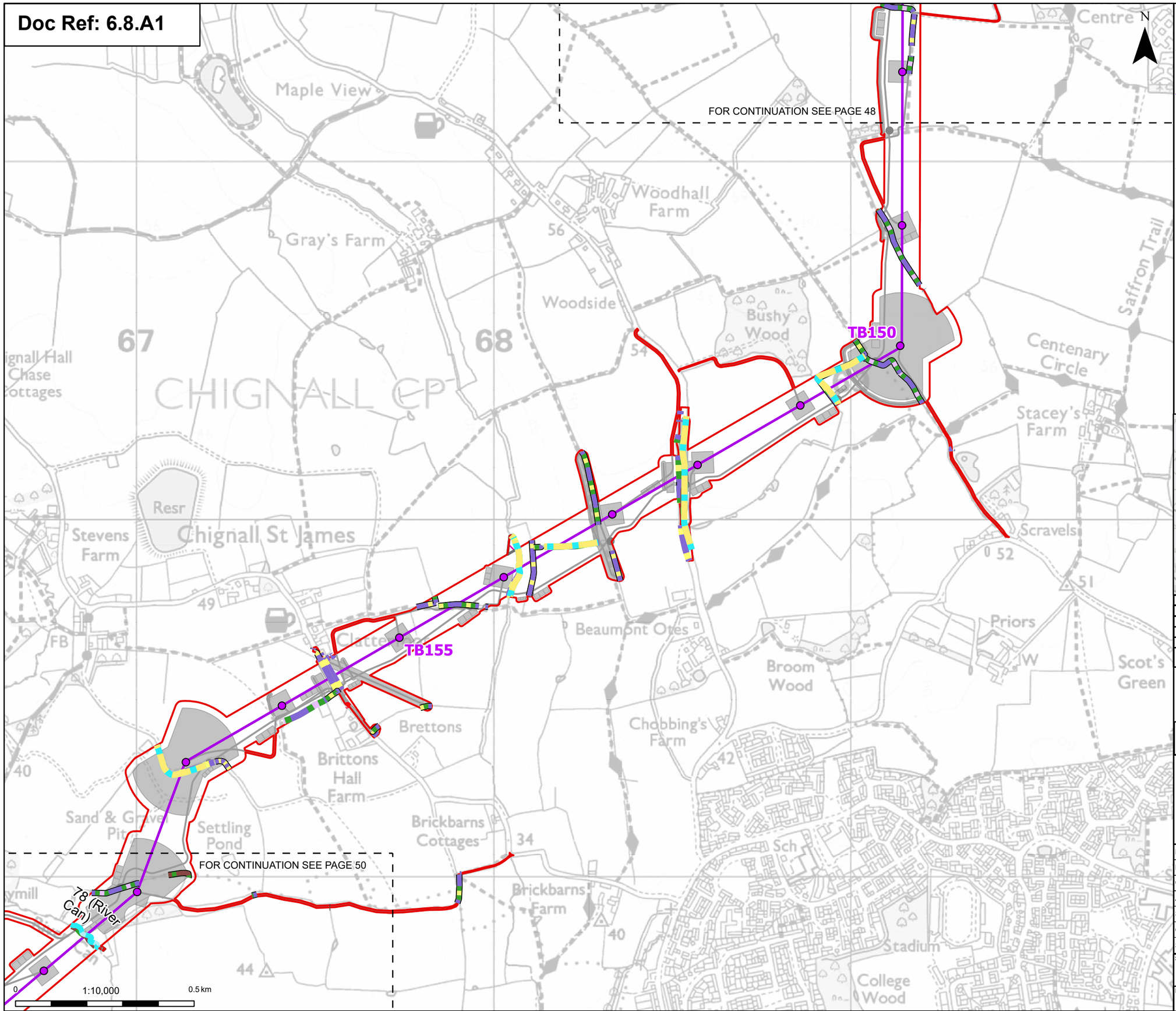
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Order limits
Sheet index cutline

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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section F
Page 49 of 63

Designed	A. Pinkney	Date	October 25
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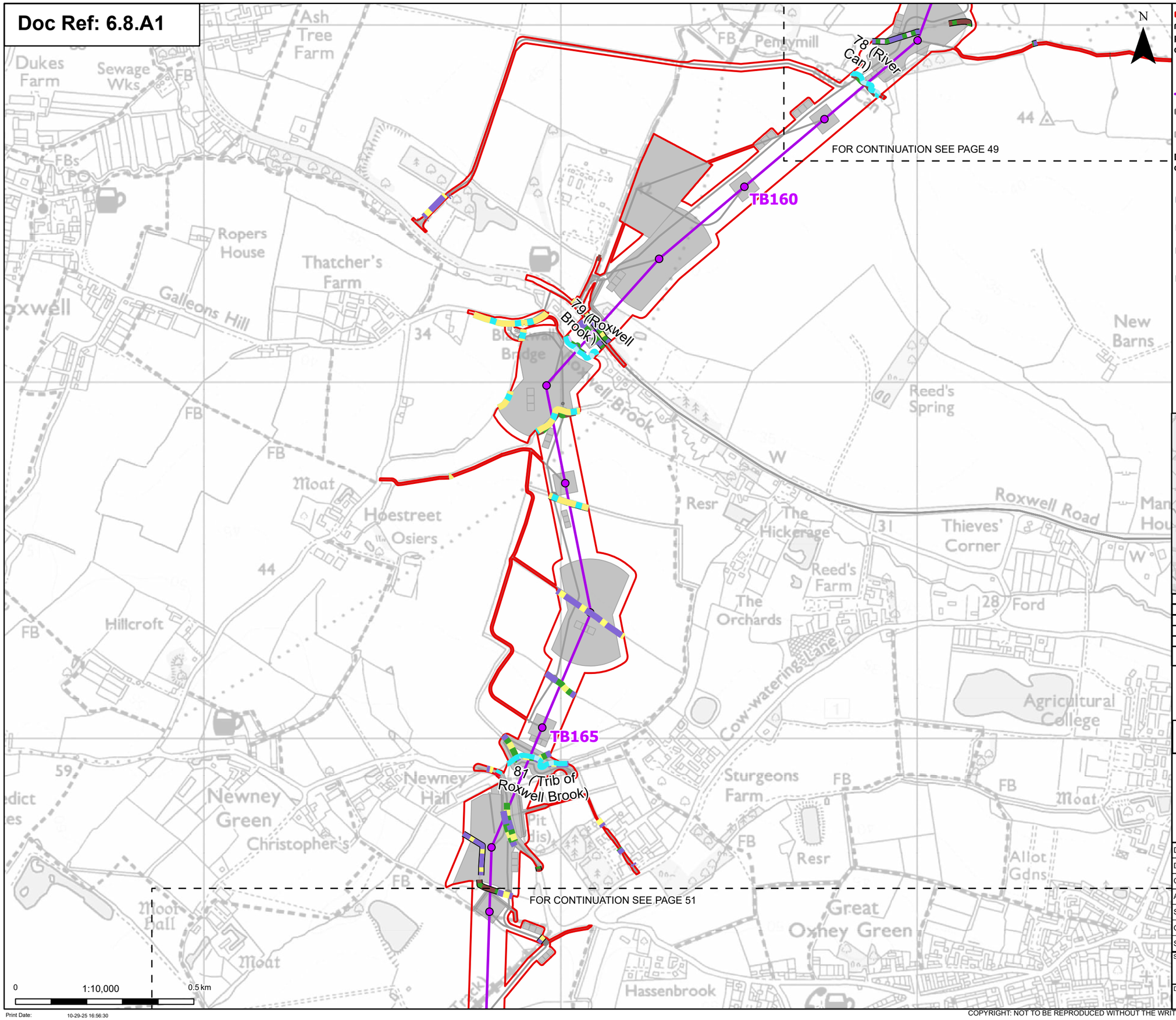
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Order limits
Sheet index cutline

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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees - associated with bank or ditch
- Line of trees
- Culvert
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:
Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section F
Page 50 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
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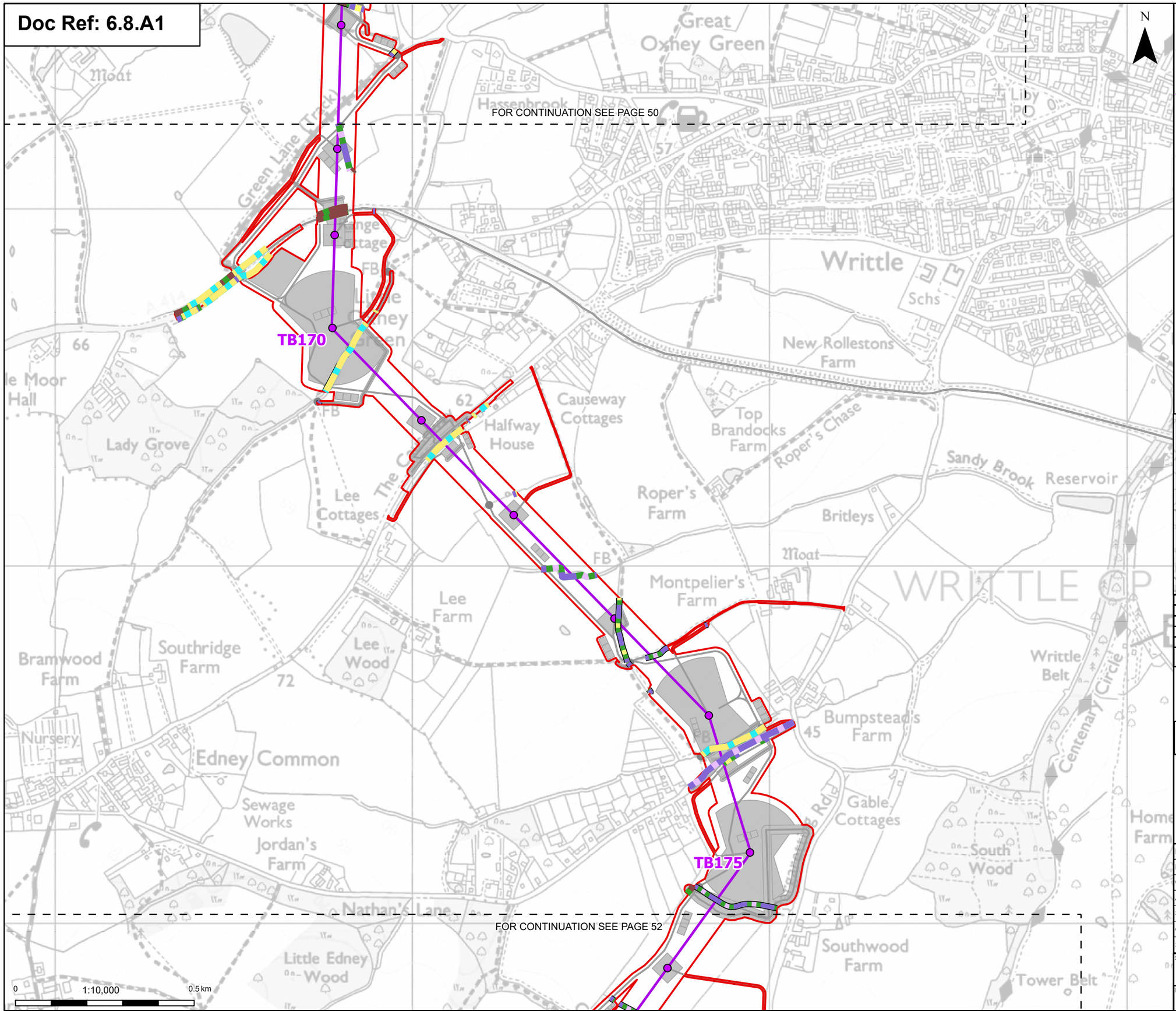
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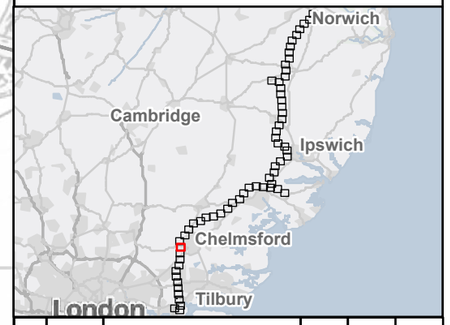
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Ecologically valuable line of trees
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section F
Page 51 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00410
Revision: B

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Doc Ref: 6.8.A1

FOR CONTINUATION SEE PAGE 51

FOR CONTINUATION SEE PAGE 53

TB180

89 (Trib of Wid)

Section F

Section G

N

0 1:10,000 0.5 km

Print Date: 10-29-25 16:56:38

Order limits
- Sheet index cutline
- Project section line

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

Discipline specific constraints
- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections F and G
Page 52 of 63

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

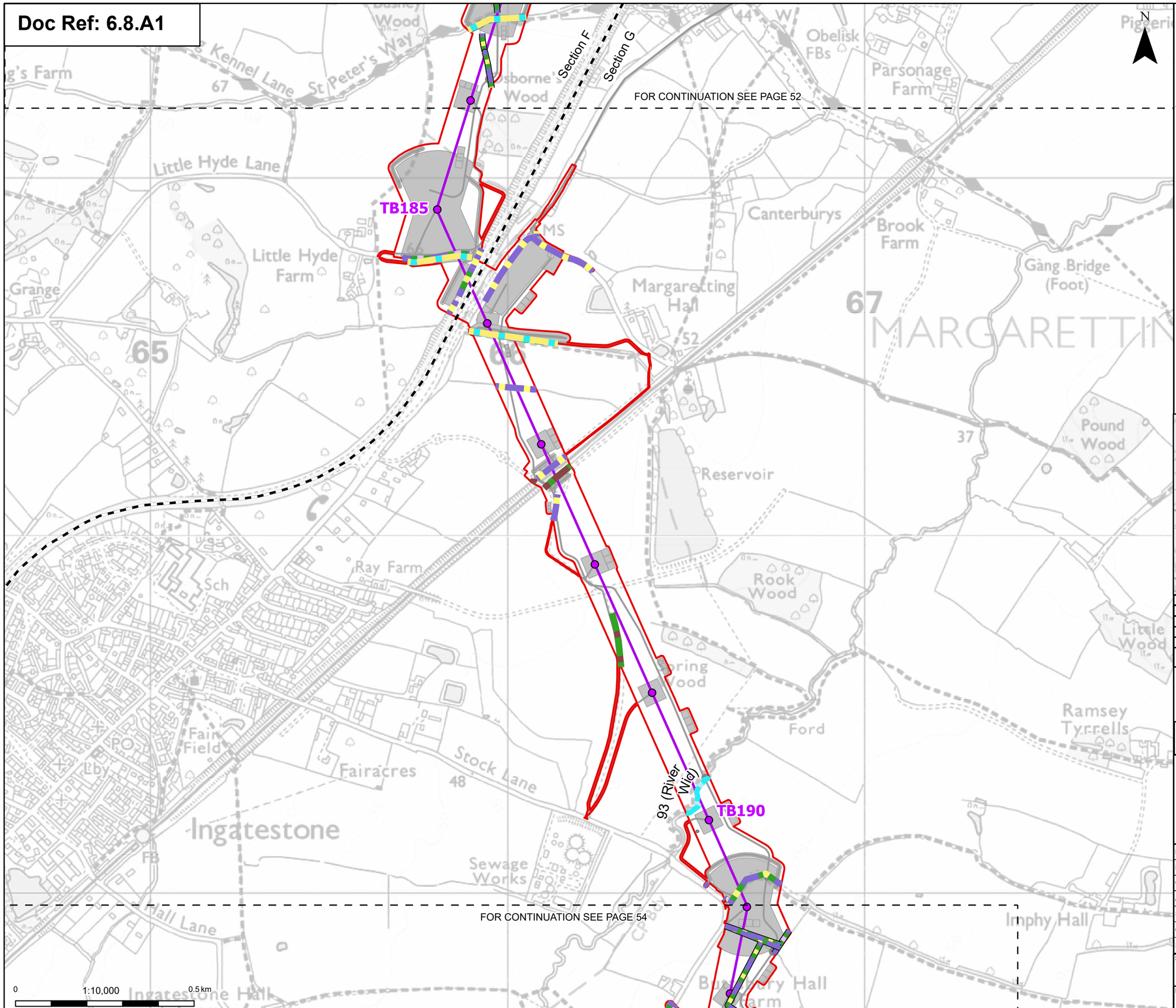
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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Doc Ref: 6.8.A1



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N

- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Sections F and G
Page 53 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 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-EBD-ZZ-DR-ZZ-00410

Revision: B

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Doc Ref: 6.8.A1

FOR CONTINUATION SEE PAGE 53

FOR CONTINUATION SEE PAGE 55

TB195

TB200

94 (Stock Brook)

95 (River Wid)

N

0 1:10,000 0.5 km

Print Date: 10-29-25 16:56:47

- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Species-rich native hedgerow with trees
- Ecologically valuable line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section G
Page 54 of 63

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

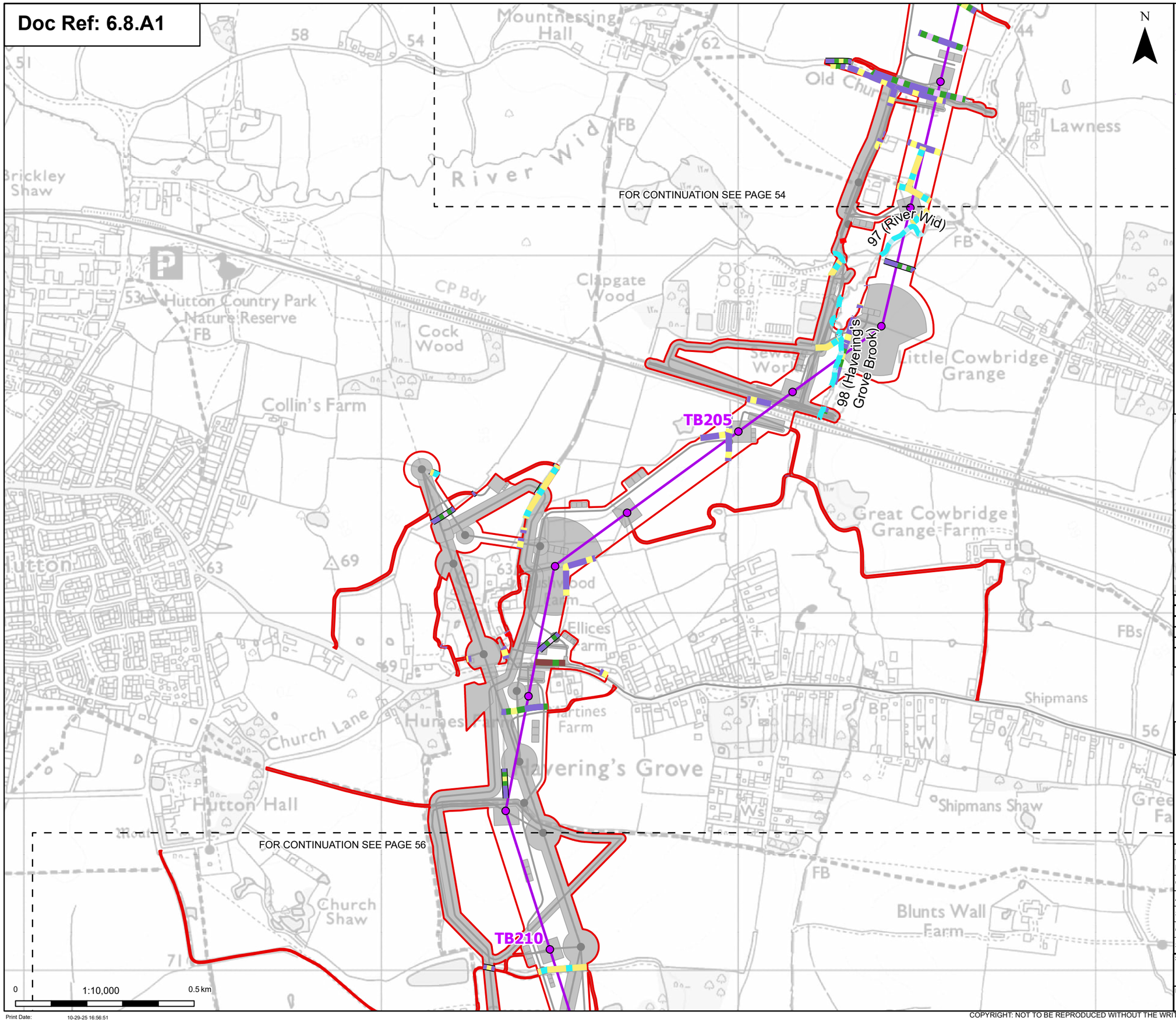
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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Doc Ref: 6.8.A1



N

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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section G
Page 55 of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
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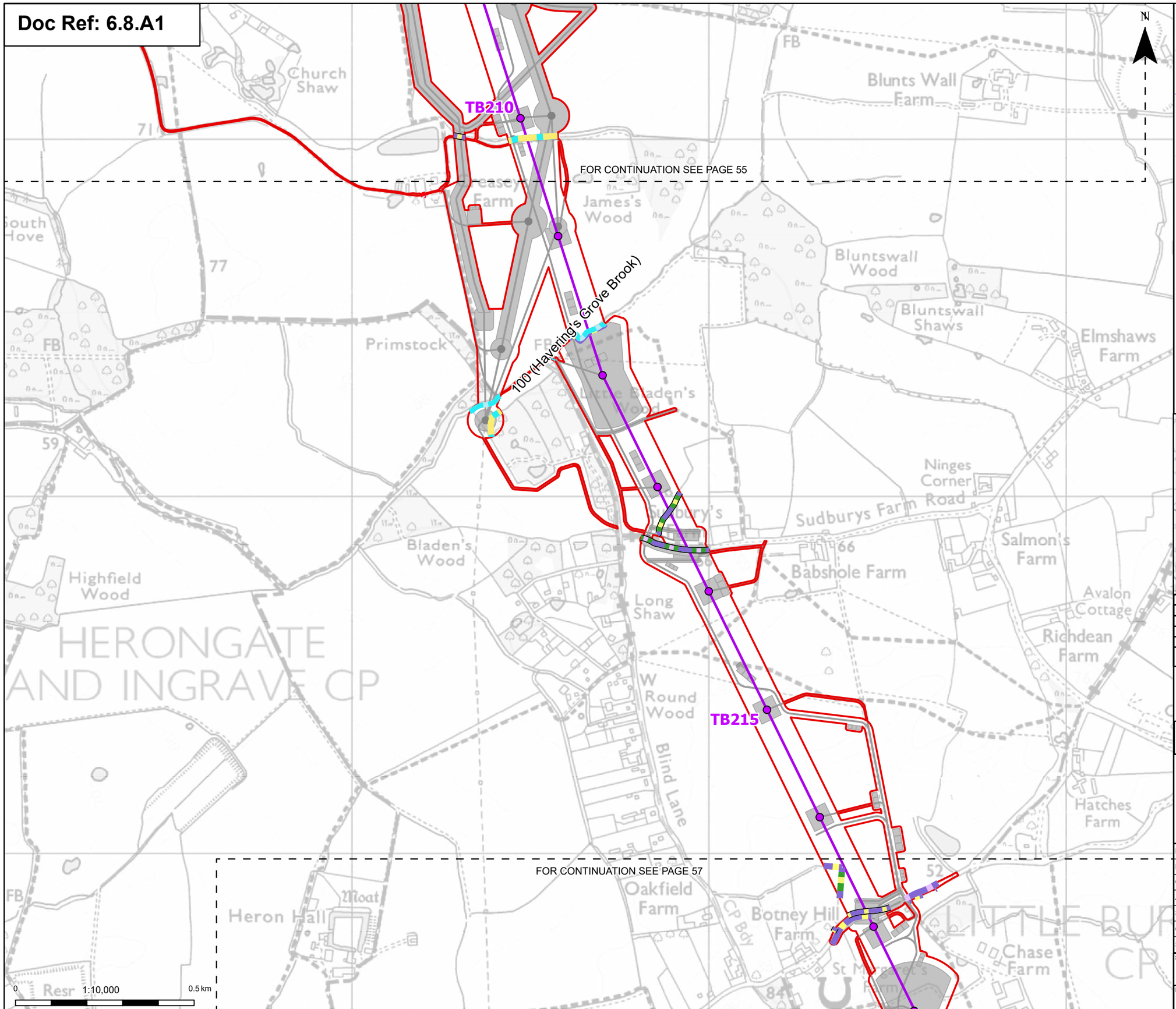
Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
Revision: B

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Print Date: 10-29-25 16:56:55

N

- 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

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow
- Ditch
- Priority habitat

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section G
Page 56 of 63

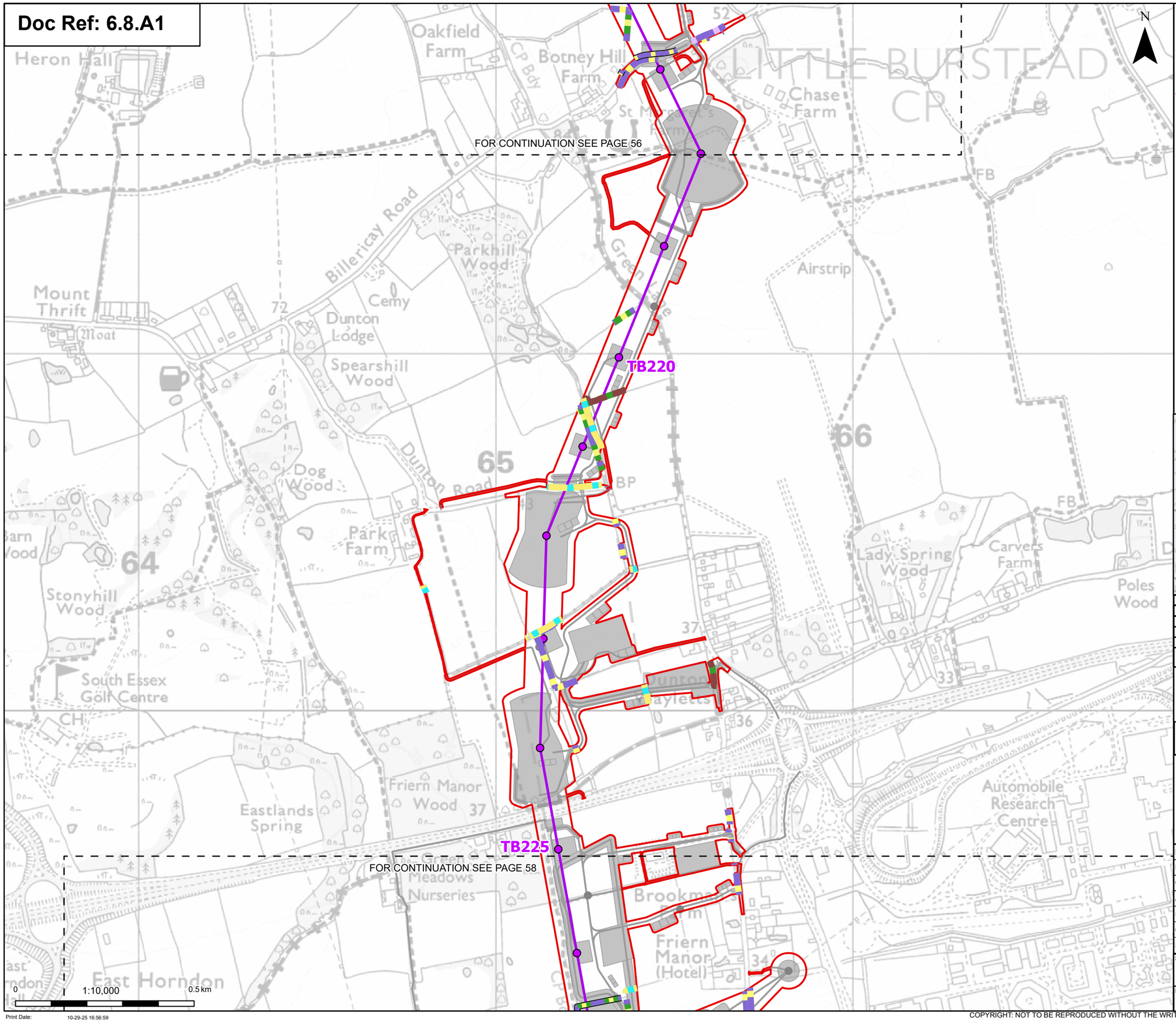
Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410
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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

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section G
Page 57 of 63

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

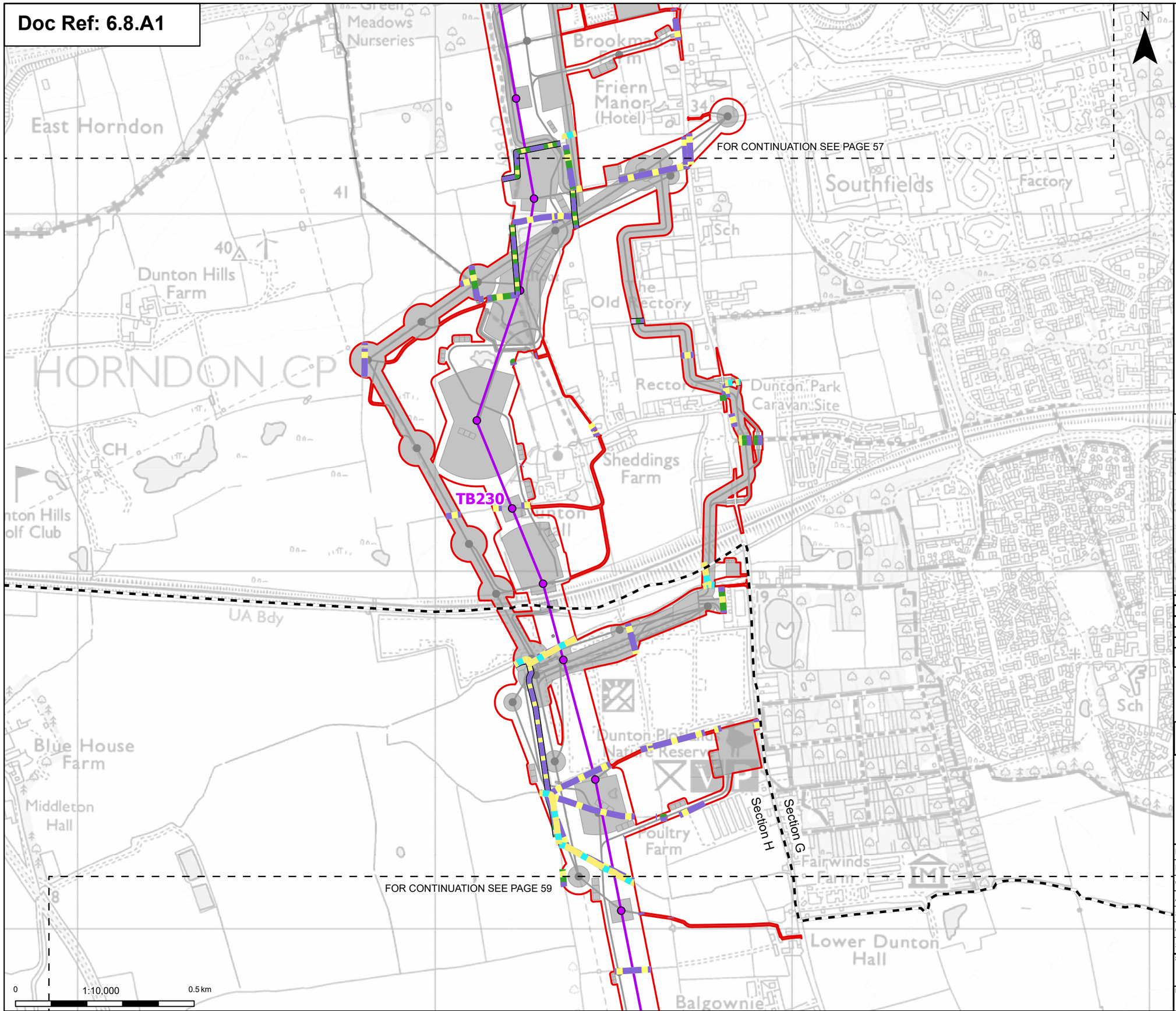
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

Revision: B

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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

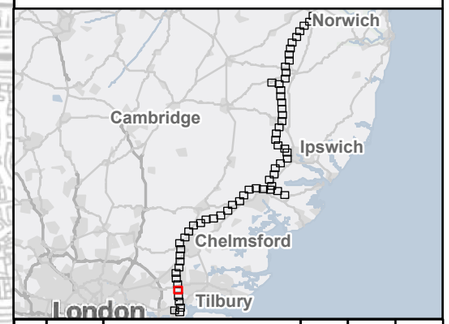
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow - associated with bank or ditch
- Species-rich native hedgerow with trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections G and H
Page 58 of 63

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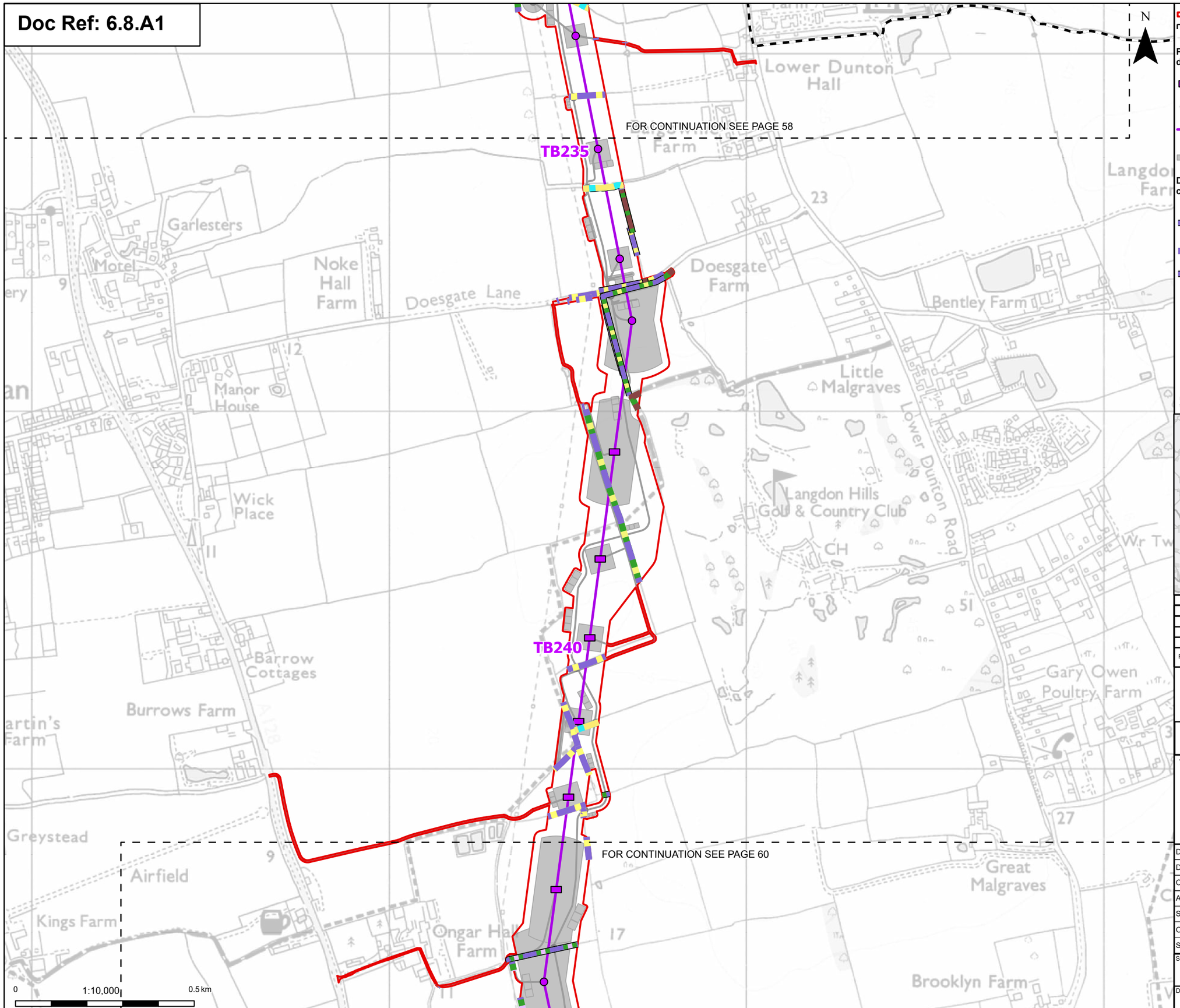
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410 | Revision: B

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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
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Species-rich native hedgerow with trees
- Line of trees - associated with bank or ditch
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results Sections G and H

Page 59 of 63

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

Suitability Description: Accepted as Concept Stage

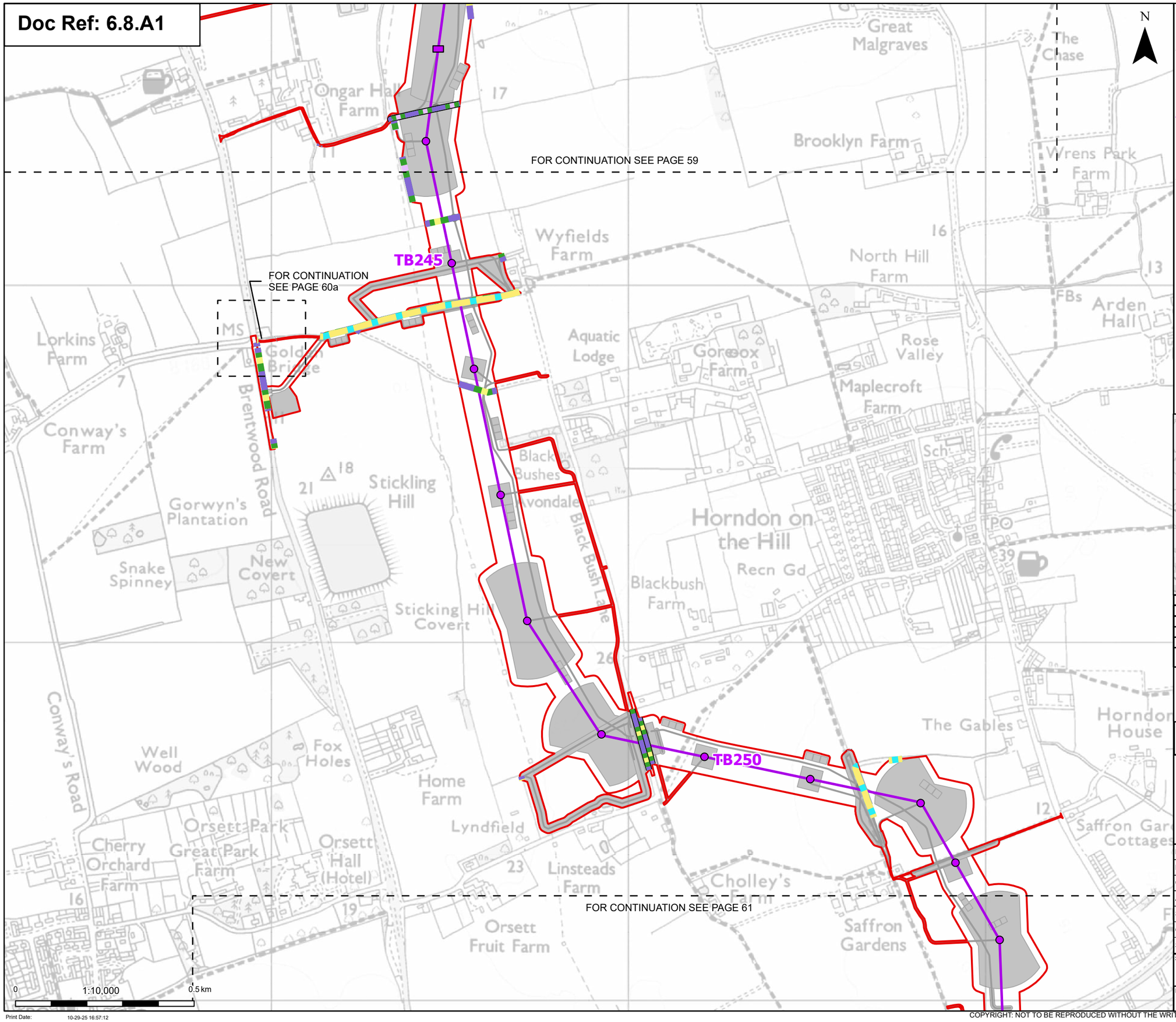
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Revision: B

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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
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Species-rich native hedgerow with trees - associated with bank or ditch
- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Native hedgerow with trees - associated with bank or ditch
- Non-native and ornamental hedgerow
- Species-rich native hedgerow with trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section H
Page 60 of 63

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

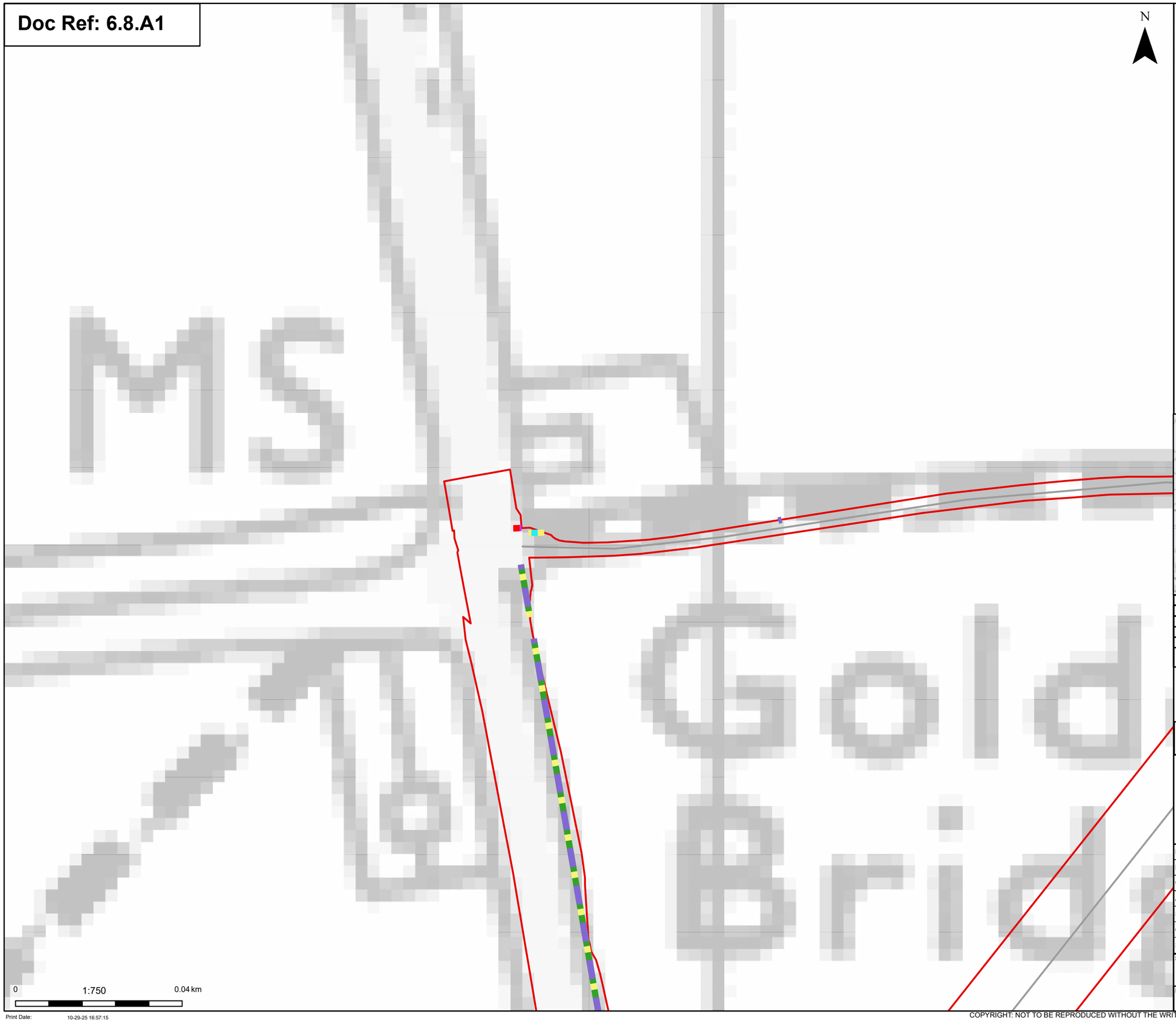
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Doc Ref: 6.8.A1



Order limits

Sheet index cutline

Discipline specific constraints

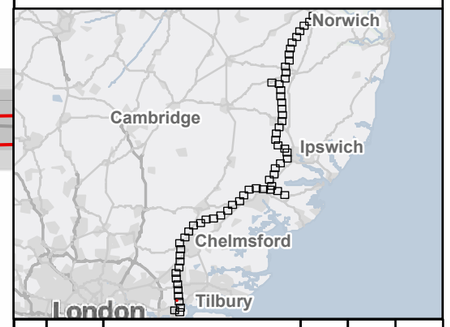
Native hedgerow with trees

Non-native and ornamental hedgerow

Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT:
Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section H
Page 60a of 63

Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:750	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

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FOR CONTINUATION SEE PAGE 60

FOR CONTINUATION SEE PAGE 62

FOR CONTINUATION SEE PAGE 63

TB255

TB260

ZB15RA ZB15RB

ZB15RC

Tilbury North (Warley Side) CSE compound

Tilbury North (Tilbury Side) CSE compound

Proposed Tilbury North Substation

Orsett Fruit Farm
Saffron Gardens
Lofthall Farm
Service Areas
Singlewell
Larch Plantation
Barrington's Farm
Fire Sta
Stanford Road
Nurseries
Dane Elyns
St Clere's Golf Club
Southfields
The Thatches
Red House
Workings (dis)
Old Kennels Farm
Mucking Heath
Orsett Golf Club
Collingwood Farm
Walnut Tree Cottages
Brook Farm
Pit (dis)
Walton's Hall
Turner's Farm
Sutton's Farm
Linford
Bluehouse Farm

0 1:10,000 0.5 km

Print Date: 10-29-25 16:57:19

N

Order limits
Sheet index cutline

Proposed project design details

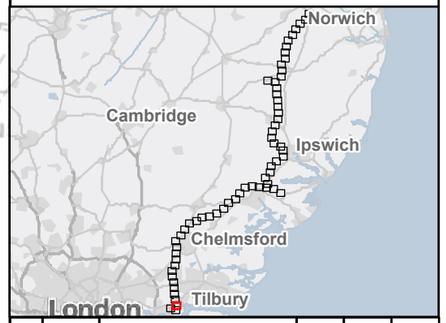
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- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Environmental area
- Environmental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

Discipline specific constraints

- Native hedgerow
- Native hedgerow - associated with bank or ditch
- Native hedgerow with trees
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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

Title:

Figure A8.1.7 - Ecology and Biodiversity - Linear Habitat Survey Results
Section H
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Designed	A. Pinkney	Date	October 25
Drawn	K. Fischer	Date	October 25
Checked	A. Fell	Date	October 25
Approved	K. Burrows	Date	October 25
Scale:	1:10,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

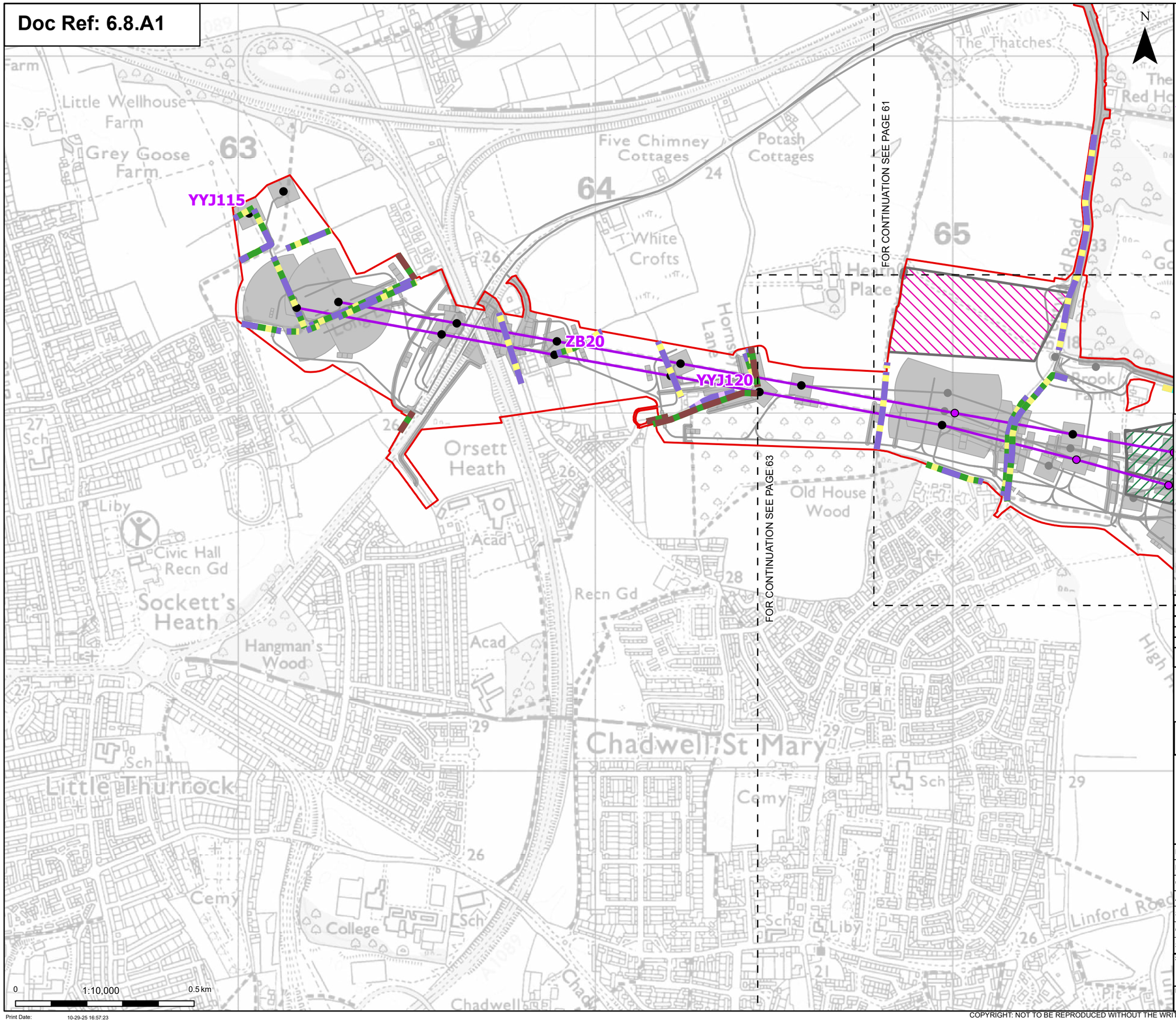
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00410

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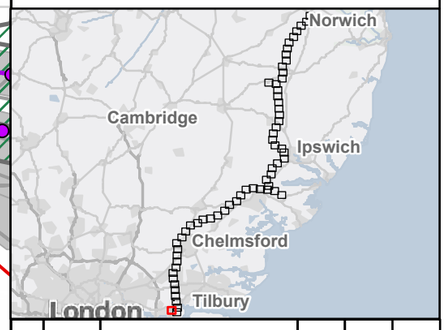
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- Other temporary and permanent construction and operational works

Discipline specific constraints

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- Native hedgerow with trees
- Species-rich native hedgerow
- Line of trees
- Ditch

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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PROJECT: Norwich to Tilbury

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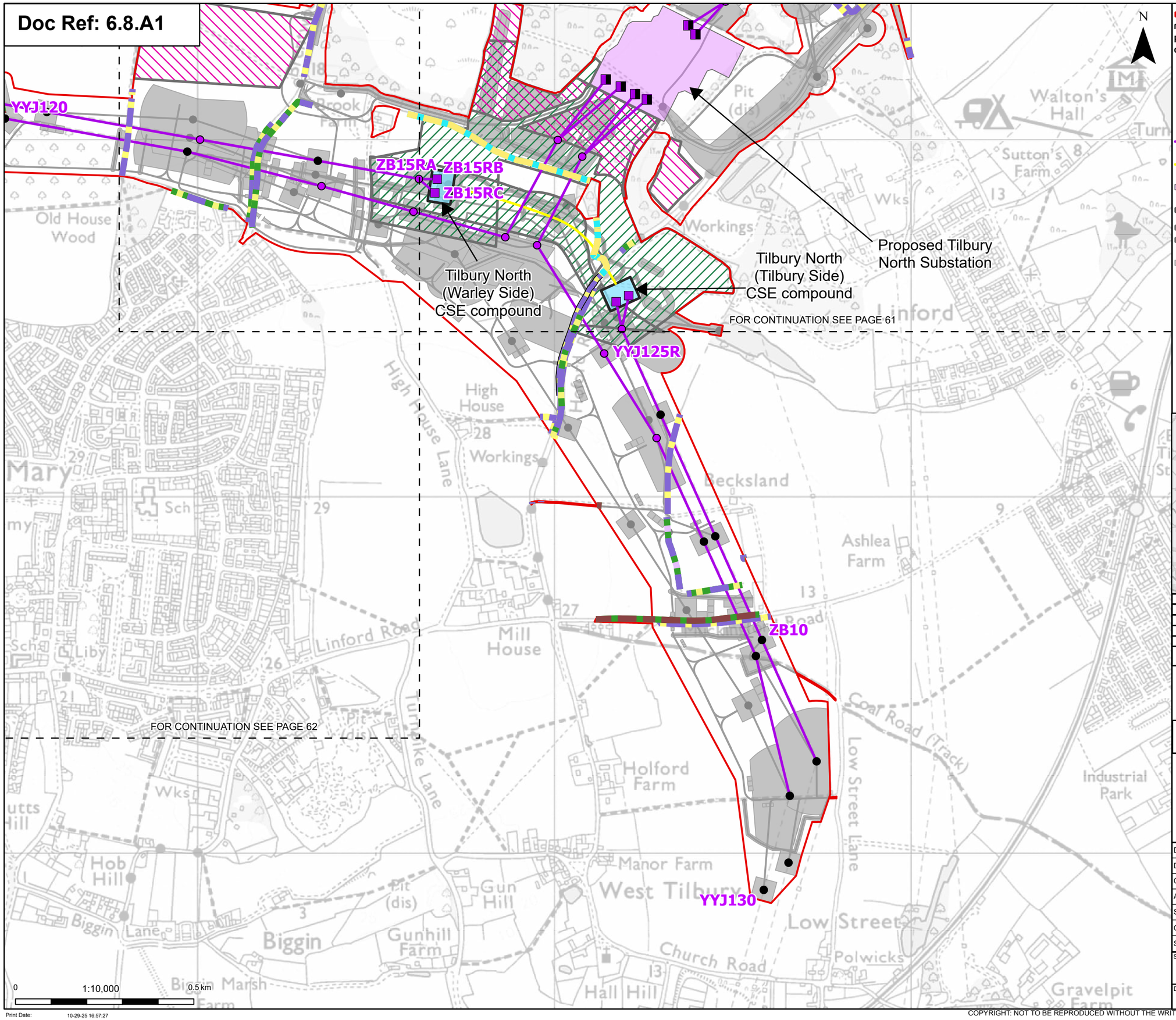
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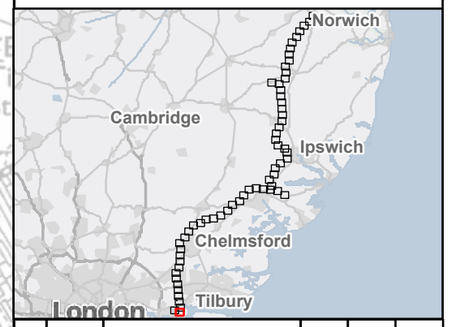
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Discipline specific constraints

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- Species-rich native hedgerow with trees
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Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2).

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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Annex B. Desk Study Records for Protected/Notable and Invasive Plant Species

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Annex B: Desk Study Records for Protected/Notable and Invasive Plant Species

Table A8.1.13 Desk study records for protected/notable and invasive plant species

Common Name	Taxon Name	Designated Status
Fungi		
Sandy Stilt Puffball	*Battarrea phalloides*	Section 41 WCA Schedule 8
Protected/Notable Plants		
Annual Beard-grass	*Polypogon monspeliensis*	Nationally Scarce
Autumn Squill	*Scilla autumnalis*	Nationally Scarce
Black Poplar	*Populus nigra subsp. betulifolia*	Essex Bap
Bloody Cranes's-bill	*Geranium sanguineum*	England Red Listed: Near Threatened
Bluebell	*Hyacinthoides non-scripta*	WCA Schedule 8 (sale only) England Red Listed: Least Concern
Carline Thistle	*Carlina vulgaris*	England Red Listed: Near Threatened
Chicory	*Cichorium intybus*	England Red Listed: Vulnerable
Chives	*Allium schoenoprasum*	Nationally Scarce
Clustered Clover	*Trifolium glomeratum*	Nationally Scarce
Common Cow-wheat	*Melampyrum pratense*	England Red Listed: Near Threatened
Common Cudweed	*Filago vulgaris*	England Red Listed: Near Threatened
Common Eyebright	*Euphrasia nemorosa*	England Red Listed: Near Threatened
Common Rock-rose	*Helianthemum nummularium*	England Red Listed: Near Threatened
Common Sea-lavender	*Limonium vulgare*	England Red Listed: Near Threatened
Common Valerian	*Valeriana officinalis*	England Red Listed: Near Threatened
Corn Marigold	*Glebionis segetum*	England Red Listed: Vulnerable
Corn Mint	*Mentha arvensis*	England Red Listed: Near Threatened
Corn Spurrey	*Spergula arvensis*	England Red Listed: Vulnerable
Cornflower	*Centaurea cyanus*	Section 41
Cross-leaved Heath	*Erica tetralix*	England Red Listed: Near Threatened
Crosswort	*Cruciata laevipes*	

Common Name	Taxon Name	Designated Status
Curved Hard-grass	*Parapholis incurva*	Nationally Scarce
Devil's-bit Scabious	*Succisa pratensis*	England Red Listed: Near Threatened
Dittander	*Lepidium latifolium*	Nationally Scarce
Dwarf Spurge	*Euphorbia exigua*	England Red Listed: Vulnerable
Dyer's Greenweed	*Genista tinctoria*	England Red Listed: Vulnerable
Early Meadow-grass	*Poa infirma*	Nationally Scarce
Elecampane	*Inula helenium*	England Red Listed: Near Threatened
Field Gromwell	*Lithospermum arvense*	England Red Listed: Endangered
Field Pepperwort	*Lepidium campestre*	England Red Listed: Near Threatened
Field Scabious	*Knautia arvensis*	England Red Listed: Near Threatened
Four-leaved Allseed	*Polycarpon tetraphyllum*	Nationally Rare
Frogbit	*Hydrocharis morsus-ranae*	England Red Listed: Vulnerable
Goldenrod	*Solidago virgaurea*	England Red Listed: Near Threatened
Golden-samphire	*Inula crithmoides*	Nationally Scarce
Green-winged Orchid	*Anacamptis morio*	England Red Listed: Vulnerable
Harebell	*Campanula rotundifolia*	England Red Listed: Near Threatened
Heath Dog-violet	*Viola canina*	England Red Listed: Vulnerable
Heath Speedwell	*Veronica officinalis*	England Red Listed: Near Threatened
Heather	*Calluna vulgaris*	England Red Listed: Near Threatened
Hoary Plantain	*Plantago media*	England Red Listed: Near Threatened
Hound's-tongue	*Cynoglossum officinale*	England Red Listed: Near Threatened
Jersey Cudweed	*Gnaphalium luteoalbum*	WCA Schedule 8
Large Leaved Lime	*Tilia platyphyllos*	Nationally Scarce
Lesser Calamint	*Clinopodium calamintha*	Nationally Scarce
Lesser Spearwort	*Ranunculus flammula*	England Red Listed: Vulnerable
Lizard Orchid	*Himantoglossum hircinum*	Nationally Scarce WCA Schedule 8
Long-headed Clover	*Trifolium incarnatum subsp. molinerii*	Nationally Rare
Loose Silky-bent	*Apera spica-venti*	England Red Listed: Near Threatened
Marsh Pennywort	*Hydrocotyle vulgaris*	England Red Listed: Near Threatened
Marsh Speedwell	*Veronica scutellata*	England Red Listed: Near Threatened
Marsh-mallow	*Althaea officinalis*	Nationally Scarce England Red Listed: Near Threatened

Common Name	Taxon Name	Designated Status
Mat-grass	*Nardus stricta*	England Red Listed: Near Threatened
Oak-leaved Goosefoot	*Chenopodium glaucum*	Nationally Scarce England Red Listed: Vulnerable
Quaking Grass	*Briza media*	England Red Listed: Near Threatened
Ragged-Robin	*Silene flos-cuculi*	England Red Listed: Near Threatened
Rye Brome	*Bromus secalinus*	Nationally Scarce England Red Listed: Near Threatened
Saltmarsh Goosefoot	*Chenopodium chenopodioides*	Nationally Scarce
Sand Soft-brome	*Bromus hordeaceus subsp. thominei*	Nationally Scarce
Sea Barley	*Hordeum marinum*	Nationally Scarce England Red Listed: Vulnerable Section 41
Sea Clover	*Trifolium squamosum*	Nationally Scarce
Sea-buckthorn	*Hippophae rhamnoides*	Nationally Scarce
Shepherd's Cress	*Teesdalia nudicaulis*	England Red Listed: Near Threatened
Slender Bird's-foot-trefoil	*Lotus angustissimus*	Nationally Scarce England Red Listed: Near Threatened
Slender Tare	*Vicia parviflora*	Nationally Scarce England Red Listed: Vulnerable
Small Cudweed	*Filago minima*	England Red Listed: Near Threatened
Smooth Cat's-ear	*Hypochaeris glabra*	England Red Listed: Vulnerable
Spiny Restharrow	*Ononis spinosa*	England Red Listed: Near Threatened
Stiff Saltmarsh-grass	*Puccinellia rupestris*	Nationally Scarce
Stinking Chamomile	*Anthemis cotula*	England Red Listed: Vulnerable
Stinking Hellebore	*Helleborus foetidus*	Nationally Scarce
Suffocated Clover	*Trifolium suffocatum*	Nationally Scarce
Sulphur Clover	*Trifolium ochroleucon*	Nationally Scarce England Red Listed: Vulnerable
Tormentil	*Potentilla erecta*	England Red Listed: Near Threatened
Tower Mustard	*Arabis glabra*	Nationally Scarce England Red Listed: Endangered Section 41
Treacle-mustard	*Erysimum cheiranthoides*	England Red Listed: Near Threatened
Weasel's-snout	*Misopates orontium*	England Red Listed: Vulnerable
Welsh Poppy	*Meconopsis cambrica*	Nationally Scarce

Common Name	Taxon Name	Designated Status
White Horehound	*Marrubium vulgare*	Nationally Scarce
White Mullein	*Verbascum lychnitis*	Nationally Scarce
Wild Clary	*Salvia verbenaca*	England Red Listed: Near Threatened
Wild Pansy	*Viola tricolor*	England Red Listed: Near Threatened
Wild Strawberry	*Fragaria vesca*	England Red Listed: Near Threatened
Woad	*Isatis tinctoria*	Nationally Scarce
Wood-sorrel	*Oxalis acetosella*	England Red Listed: Near Threatened
Yellow Vetchling	*Lathyrus aphaca*	Nationally Scarce England Red Listed: Vulnerable
Bryophytes		
N/A	*Tortula schimperi*	Nationally Rare
Invasive Species		
Canadian Waterweed	*Elodea canadensis*	Wildlife and Countryside Act Schedule 9
Giant Knotweed	*Fallopia sachalinensis*	Wildlife and Countryside Act Schedule 9
Giant-rhubarb	*Gunnera tinctoria*	Wildlife and Countryside Act Schedule 9
Giant Hogweed	*Heracleum mantegazzianum*	Wildlife and Countryside Act Schedule 9
Japanese Knotweed	*Fallopia japonica*	Wildlife and Countryside Act Schedule 9
New Zealand Pigmyweed	*Crassula helmsii*	Wildlife and Countryside Act Schedule 9
Rhododendron	*Rhododendron ponticum*	Wildlife and Countryside Act Schedule 9
Three-cornered Garlic	*Allium triquetrum*	Wildlife and Countryside Act Schedule 9
Alexanders	*Smyrnium olusatrum*	Wildlife and Countryside Act Schedule 9
American Skunk-cabbage	*Lysichiton americanus*	Other Invasive Species
Butterfly-bush	*Buddleja davidii*	Other Invasive Species
Canadian Goldenrod	*Solidago canadensis*	Other Invasive Species
Common Cord-grass	*Spartina anglica*	Other Invasive Species
Evergreen Oak	*Quercus ilex*	Other Invasive Species
False acacia	*Robinia pseudoacacia*	Other Invasive Species
Fringed Water-lily	*Nymphoides peltata*	Other Invasive Species

Common Name	Taxon Name	Designated Status
Giant Butterbur	*Petasites japonicus*	Other Invasive Species
Goat's-rue	*Galega officinalis*	Other Invasive Species
Indian Balsam	*Impatiens glandulifera*	Other Invasive Species
Italian Alder	*Alnus cordata*	Other Invasive Species
Japanese Rose	*Rosa rugosa*	Other Invasive Species
Least Duckweed	*Lemna minuta*	Other Invasive Species
Lesser Bulrush	*Typha angustifolia*	Other Invasive Species
Nuttall's Waterweed	*Elodea nuttallii*	Other Invasive Species
Pale Galingale	*Cyperus eragrostis*	Other Invasive Species
Russian vine	*Fallopia baldschuanica*	Other Invasive Species
Spanish Bluebell	*Hyacinthoides hispanica*	Other Invasive Species
Turkey Oak	*Quercus cerris*	Other Invasive Species
Winter Heliotrope	*Petasites fragrans*	Other Invasive Species

Annex C. Groundwater Dependant Terrestrial Ecosystems (Sites of Special Scientific Interest)

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Annex C: Groundwater Dependant Terrestrial Ecosystems (Sites of Special Scientific Interest)

Table A8.1.14 Groundwater dependant terrestrial ecosystems (Sites of Special Scientific Interest)

Project Section	Site Name	GWDTE	Location in Relation to Project
A	Aslacton Parish Land	Wet marsh grassland and fen grassland	3 km downstream of the Project where the River Tas (which feeds the site) is crossed by overhead line and haul road.
A	Forncett Meadows	Marshy grassland	4 km downstream of the Project where the River Tas (which feeds the site) is crossed by overhead line and haul road.
A	Flordon Common also part of the Norfolk Valley Fens SAC	Calcareous fen	0.5 km downstream of the Project where the River Tas (which feeds the fen) is crossed by overhead line.
A	Shelfanger Meadows	Flower rich hay meadows	0.3 km upstream of the Project where a watercourse is crossed by the haul road and overhead line.
B	Gypsey Camp Meadows, Thrandeston	Wet meadow	No hydrological connection to the Project.

Annex D. Groundwater Dependant Terrestrial Ecosystems (Local Nature Reserves)

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Annex D: Groundwater Dependant Terrestrial Ecosystems (Local Nature Reserves)

Table A8.1.15 Groundwater dependant terrestrial ecosystems (Local Nature Reserves)

Project Section	Site Name	GWDTE	Location in Relation to Project
A	Roydon Fen	Wet woodland and lowland fen	0.2 km downstream of where River Waveney is crossed by overhead line [also a CWS].
B	Bramford Meadows	Grassland and scrub alongside river	More than 4.5 km downstream of location where the haul road and overhead line cross the watercourse [also CWS].
B	Fen Alder Carr	Open water, tall fen and wet woodland	No direct hydrological connection between this site and the watercourses that are crossed by the Project [also a CWS].
B	Needham Lake	Lake and marsh	2.5 km downstream of location where overhead line crosses the River Gipping that feeds this LNR.
E	Brockwell Meadows	Water meadow on banks of River Blackwater	3.5 km downstream of location where overhead line crosses the River Blackwater that feeds this LNR
F	Chelmer Valley Riverside	Ponds on banks of River Chelmer	5.9 km downstream of location where the haul road and overhead line cross the River Chelmer that feeds this LNR.
G	Hutton Country Park	Marshy and wetland habitat	1.98 km upstream of location where the haul road crosses the River Wid [also a LWS].

Annex E. Groundwater Dependant Terrestrial Ecosystems (County Wildlife Sites)

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Annex E: Groundwater Dependant Terrestrial Ecosystems (County Wildlife Sites)

Table A8.1.16 Groundwater dependant terrestrial ecosystems (County Wildlife Sites)

Project Section	Site Name	GWDTE	Location in Relation to Project
A	Bayes Meadow	Marshy grassland	No hydrological connection to Project.
A	Roydon Fen	Wet woodland and lowland fen	0.2 km downstream of where River Waveney is crossed by overhead line [also LNR]
B	Bramford Meadows	Grassland and scrub alongside river	More than 4.5 km downstream of location where the haul road and overhead line cross the watercourse [also LNR].
A	Bracon Ash Common	Pond and wet ditch	No hydrological connection to Project.
A	Bressingham Fen	Wet woodland	3 km upstream of location where overhead line crosses the River Waveney.
A	Brewers Green	Ponds	No hydrological connection to Project.
A	Brick Kiln Lane, Bunwell Hill	Ponds and marshy grassland	0.6 km downstream of location where overhead line and haul road crosses the River Tas that feeds this CWS.
A	Brock's Watering	Wet grassland and stream	0.4 km downstream of location where overhead line and haul road crosses the watercourse which feeds this CWS.
A	Bunwell Fen	Wet woodland	2.3 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Carlton Rode Fen	Marshy grassland and fishing ponds	0.3 km upstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Dunston Common	Small pond	Over 15 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.

Project Section	Site Name	GWDTE	Location in Relation to Project
A	Eagle Farm Pond	Large pond	No hydrological connection to the Project.
A	Flordon Meadow (East)	Marshy grassland	0.5 km upstream of location where overhead line crosses a watercourse which is tributary to the River Tas.
A	Flordon Meadow (West)	Marshy grassland	0.3 km upstream of location where overhead line crosses a watercourse which is tributary to the River Tas.
A	Gissing Common	Patches of marshy grassland	No hydrological connection to the Project.
A	Hapton Common	Marshy grassland and fast-flowing stream	1.6 km downstream of location where overhead line crosses a watercourse which is tributary to the River Tas.
A	Hethel Pond and 'The Drift'	Pond	No hydrological connection to the Project.
A	Horseford Meadow	Seasonally flooded grassland during winter	More than 7 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Muir Lane Meadow	Small area of marshy grassland	4 km upstream of location where overhead line and haul road crosses the River Tas which feeds this CWS.
A	Mulbarton Common	Small area of marshy grassland	No hydrological connection to the Project.
A	Spring Meadow	Marshy grassland	No hydrological connection to the Project.
A	Bracon Hall Lake	Lake	No hydrological connection to the Project.
A	Swardeston Common	Three ponds	No hydrological connection to the Project.
A	Tas Pond	Pond	3km downstream of location where overhead line and haul road crosses the River Tas which may feed this CWS.
A	Tas Valley	Marshy Grassland	5.7 km downstream of location where overhead line and haul road crosses the River Tas which feeds this CWS. There is also a tributary watercourse of the River Tas which the Project Crosses 4.3 km downstream of this CWS.
A	The Carr	Damp grassland and swamp	2.8 km and 3.6 km (respectively) downstream of locations where

Project Section	Site Name	GWDTE	Location in Relation to Project
			overhead line and haul road crosses two watercourses which confluence and feed this CWS.
A	The Carrs Woodland	Damp woodland, swamp, marshy grassland, ponds, ditches including a species rich chalky ditch and flowing stream	No hydrological connection to the Project.
A	The Grange, Wreningham	Large pond	1.6 km upstream of location where overhead line crosses a watercourse which is a tributary to the River Tas.
A	The Grove	Lake	No hydrological connection to the Project.
A	Wreningham Marsh	Marshy grassland and wet meadow	2 km upstream of location where overhead line crosses a watercourse which is a tributary to the River Tas.
B	Burgate Great Green	Three large ponds	No hydrological connection to the Project.
B	Burgate Little Green	Pond	No hydrological connection to the Project.
B	Creeting St Mary Meadows	Wet meadows	No hydrological connection to the Project.
B	Forrold Meadow	Two ponds	No hydrological connection to the Project.
B	Hall Farm Meadow	Wet meadow	2 km upstream of location where overhead line crosses the River Waveney.
B	Horse Fen	Wet grassland	2.7 km upstream of location where overhead line crosses the River Waveney.
B	Mellis Common	Ponds	No hydrological connection to the Project.
B	Railway Meadows	Wet meadows	No hydrological connection to the Project.
B	River Gipping (Sections)	River	The Project directly crosses the River Gipping with an overhead line.
B	River Waveney (Sections)	River	The Project directly crosses the River Waveney with an overhead line.
B	St John's Grove	Pond	No hydrological connection to the Project.

Project Section	Site Name	GWDTE	Location in Relation to Project
B	The Marsh	Marshy grassland	No hydrological connection to the Project.
B	Thornham Estate Woods	Ponds	No hydrological connection to the Project.
B	Thrandeston Marsh	Marshy grassland	1.1 km downstream of location where overhead line, haul road and area where UK Power Networks (UKPN) overhead line mitigation works would cross a watercourse that feeds this CWS and then confluences the River Waveney.
B	Topcroft Farm Meadows	Wet woodland and marshy grassland	3 km upstream of location where overhead line crosses a watercourse which feeds this CWS.
B, C	Bushey Ley Farm	Stream	No hydrological connection to the Project.
C	Chantry Park, Beechwater and Meadow	Fishing pond	No hydrological connection to the Project.
C	Higham Meadow	Wet meadow and stream	The Project's sustainable drainage system outfalls into Higham Meadow watercourse.
C	Raydon Great Wood	Over thirty ponds	No hydrological connection to the Project.
C	River Brett (Sections)	River	The River Brett is a tributary to the River Stour and they confluence prior to the Project crossing the River Stour at two locations via directional drilling for underground cabling.
C	Springhill Meadows	Stream	2.8 km downstream of location where overhead line crosses a watercourse which feeds this CWS.
C	Thorington Street Pit and Reservoir	Reservoir	No hydrological connection to the Project.
C	Wasses Marshes	Grazing marsh	0.4 km upstream of location where the Project crosses the River Stour via directional drilling for underground cabling.
C	Water Farm Meadow	Wet meadow, open water and stream	No hydrological connection to the Project.

Annex F. Groundwater Dependant Terrestrial Ecosystems (Local Wildlife Sites)

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Annex F: Groundwater Dependant Terrestrial Ecosystems (Local Wildlife Sites)

Table A8.1.17 Groundwater dependant terrestrial ecosystems (Local Wildlife Sites)

Project Section	Site Name	GWDTE	Location in Relation to Project
C	Ardleigh Reservoir Grassland	Reservoir edge and wet woodland species	1.5 km away along reservoir edge from location where overhead line crosses Ardleigh Reservoir.
C	Black Brook	Wet woodland	West section of LWS 0.1 km upstream of location where underground cable and haul road crosses the Black Brook and east section of LWS is 0.2 km downstream. East section is also the location of two surface water and attenuation drainage lines.
C	Bridges Farm	Alluvial floodplain pastures	2.2 km downstream of location where the underground cable crosses the River Stour that feeds this LWS via trenchless crossing.
C	Gun Hill Place	Lake	No hydrological connection to Project.
C	Langham Water Works	Wet woodland, lakes and water courses	2 km upstream of location where the underground cable crosses the River Stour, via trenchless crossing.
C	The Coombs	Wet stream valley and wet woodland	1 km downstream of location where the underground cable crosses the River Stour, via trenchless crossing.
C	Wall's Wood	Wet woodland and Salary Brook	2.2 km upstream of location where overhead line crosses Ardleigh Reservoir.
C	Wignall Brook Grasslands	Marshy grassland	No hydrological connection to Project.
D	Aldercar, Wormingford	Wet woodland	No hydrological connection to Project.
D	Fordham Bridge Meadow	River floodplain with swamp habitat	0.9 km downstream of location where overhead line crosses the River Colne.
D	Langham Road Grassland	Pond	No hydrological connection to Project.

Project Section	Site Name	GWDTE	Location in Relation to Project
D	Marks Tey Brick Pit	Wet woodland, marsh, open water habitats	0.4 km downstream of location where the haul road and overhead line crosses the Roman River.
D	Seven Star Green	Pond	No hydrological connection to Project.
D	Spring Wood (West Bergholt)	Marshy vegetation	No hydrological connection to Project.
D	West Bergholt Alderwoods	Wet woodland	0.7 km downstream along a tributary of the River Colne from where haul road and overhead line cross the waterbody.
E	Blackwater Plantation	Marsh and river	3.2 km upstream of location where overhead line and haul road cross the River Blackwater.
E	Buckler's Farm Wood	Stream	4.3 km upstream of location where the overhead line and haul road cross the Roman River.
E	Coggeshall Hall Farm	Lowland fen vegetation and complex riverine habitat	LWS intersected in the middle by overhead line and haul road where they cross the River Blackwater.
E	Craigments Spring	Pond	No hydrological connection to Project.
E	Feering Marsh	Marshy grassland	1.2 km downstream of location where the overhead line and haul road cross the River Blackwater.
E	Hoo Hall Meadows	Wet marshy grassland and stream	1.7 km downstream of location where the overhead line and haul road cross a River Blackwater tributary.
E	Tilkey Road, Coggeshall	Tall-herb marsh and brook	4.1 km upstream (on tributary) of location where the overhead line and haul road cross the River Blackwater.
E	Witham Marsh	Sedge-beds, rough marshy grassland, springs, river	1.9 km downstream of location where the haul road crosses the River Brain. 2.5 km downstream of location where overhead line crosses the River Brain.
F	Border Wood Lake	Lake and wet woodland	0.3 km stream connecting the LWS to where the overhead line passes.
F	Broomfield – Little Waltham Chelmer	Riverine habitat	0.9 km downstream of location where the overhead line crosses the River Chelmer.

Project Section	Site Name	GWDTE	Location in Relation to Project
F	Langleys Deer Park	Coastal and Floodplain Grazing Marsh and River	0.1 km upstream of location where the overhead line crosses the River Chelmer.
F	Little Waltham Village Meadows	Floodplain Grazing Marsh	0.5 km downstream of location where the overhead line crosses the River Chelmer.
F	Lowley's Farm Meadow	Coastal floodplains	0.06 km upstream of location where the haul road crosses River Ter, and 0.2 km upstream of location where overhead line crosses River Ter.
F	Writtle Bridge Meadow	Floodplain meadow	3.3 km downstream of location where the overhead line crosses the River Can.
G	Bluntswall Shaws	Pond and damp hollows	No hydrological connection to Project.
G	Harespring Wood	Wet woodland	No hydrological connection to Project.
G	Hutton Country Park	Marshy and wetland habitat	1.98 km upstream of location where the haul road crosses the River Wid. [also a LNR]
G	Little Burstead Common	Pond	No hydrological connection to Project.
G	Little Burstead Wood	Stream	3.6 km downstream of location where the overhead line crosses the River Crouch.
G	Parkhill Wood	Ponds	No hydrological connection to Project.
G	Poles Wood	Pond	No hydrological connection to Project.
G	Stock Brook Meadow	Damp meadow	1.8 km upstream of location where the overhead line and haul road crosses Stock Brook.
G	The Wilderness	Wet woodland and stream	3.4 km downstream of tributary of the River Crouch and then 2.4 km upstream of location where the haul road and overhead line crosses.
H	Linford Wood	Wet woodland	No hydrological connection to Project.
H	Little Thurrock Reedbeds	Reedbed	No hydrological connection to Project.
H	Mucking Creek Wetlands	Reedbed and mosaic wetland habitat	No hydrological connection to Project.

Project Section	Site Name	GWDTE	Location in Relation to Project
H	Thurrock Thameside Nature Park, Mucking	Lake and reeds	No hydrological connection to Project.
H	Tilbury Power Station	Reed, mosaic of wetland habitats, grazing marsh	No hydrological connection to Project.
H	Victoria Road Grassland, Stanford-le-Hope	Floodplain meadow	No hydrological connection to Project.
H	Warren Lakes	Lakes, wet woodland, reed	No hydrological connection to Project.

National Grid plc
National Grid House,
Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

Registered in England and Wales
No. 4031152
nationalgrid.com