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Norwich to Tilbury

Volume 7: Other Documents

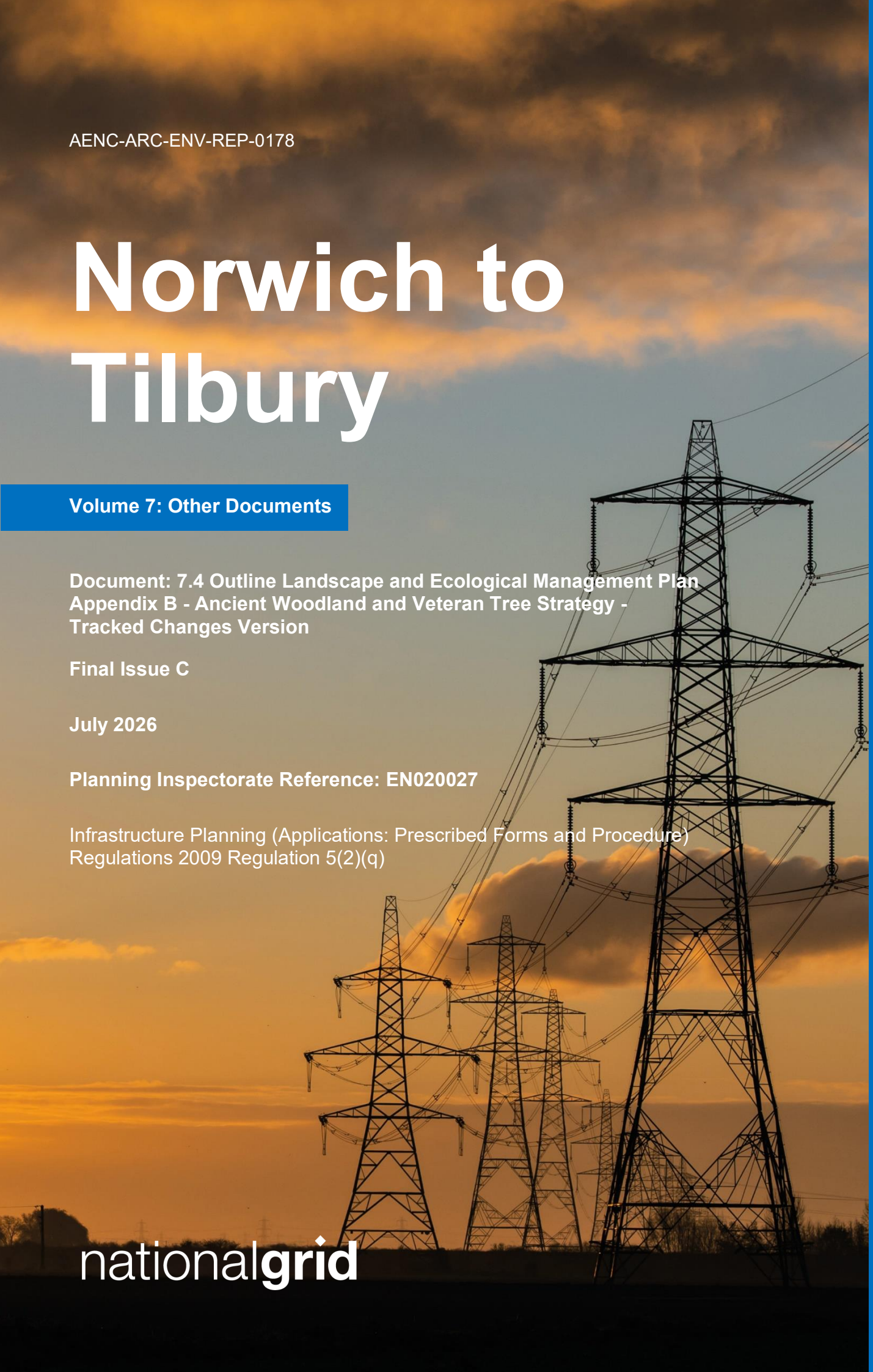
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Revision History

Version	Date	Submitted at
A	29 August 2025	DCO Application
B	10 April 2026	Updates following: • Natural England updated their ancient woodland inventory in July 2025 (Essex) and November 2025 (Suffolk). Updates to this document are as a result of those updates which could not be included within the DCO submission documents due to the dates they were updated i.e. just before the DCO submission (Essex) and post DCO submission (Suffolk).
C	July 2026	Updates following: • Engagement with Natural England. • A review of the document by the Main Works Contractor(s) following further design work

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Executive Summary

National Grid Electricity Transmission plc ('National Grid') owns and maintains the national high voltage electricity transmission network throughout England and Wales. National Grid has developed plans for Norwich to Tilbury (the 'Project'). The Project would support the UK's net zero target through the connection of new low carbon energy generation in East Anglia and by reinforcing the transmission network.

The Project comprises reinforcement of the transmission network between the existing Norwich Main Substation in Norfolk and Tilbury Substation in Essex, via Bramford Substation, the new East Anglia Connection Node (EACN) Substation and the new Tilbury North Substation.

This Ancient Woodland and Veteran Tree Strategy aims to outline the principal measures that are required to help avoid, minimise, and compensate for the potential ecological effects of the Project on ancient woodland and veteran trees, during and post construction, as per the mitigation hierarchy. Due to the nature of both ancient woodland and veteran trees being 'irreplaceable habitat', additional and bespoke mitigation, which comprises measures over and above any embedded and standard mitigation measures, has been developed which considers each ancient/ or veteran feature independently. This strategy also describes the embedded mitigation which has influenced the Project design in order to avoid and/or reduce impacts to ancient woodland and/or veteran trees for completeness.

Specific Project commitments have been made as standard mitigation, to remove impacts to ancient woodlands and veteran tree and these are detailed within the Outline Code of Construction Practice (document reference 7.2) (Revision ~~C~~F).

Complete removal of impacts to ten ancient woodlands (Lodgefield Row, Bushey Grove, Round Wood, Rivenhall Thicks, Writtle-Writtlepark Wood, Clapgate Wood, Horkesley Plantation, Edney Woods, North-east of Bladen's Wood, and Little Bladen's Wood) and/or the associated 15 m ancient woodland buffer are unavoidable, as the proposed works relate to drainage, an existing track to be used as a haul road, and the removal, undergrounding or modification of existing third-party infrastructure (11 kV, 33 kV, 132 kV), with the existing assets already located within the associated woodland or 15 m ~~RPA~~ancient woodland buffer. Horkesley Plantation, and an additional ancient woodland known as Wenham Grove, will also be subject to woodland enhancement measures associated with the landscape proposals at the relevant Environmental Area. This adjacent woodland planting and enhancement of the woodlands are~~is~~ expected to deliver a long-term significant benefit to the woodlands. Mitigation measures associated with each of these ancient woodland sites have been proposed to ensure no significant long term residual effects on ancient woodland are encountered as a result of the Project.

A total of 112 trees and four groups have been surveyed within the Project Study Area as veterans. ~~Four individual veteran~~One veteran tree~~s~~ require removal, while two veteran groups and 1~~75~~ veteran trees require crown management. A hierarchy of mitigation/compensation measures have been included within this report. The final mitigation/compensation measures, remediation works and long-term monitoring will be agreed at detailed design stage with the Project arboriculturist and the relevant landowners on a case-by-case basis.

1 Introduction

1.1 Summary

1.1.1 National Grid Electricity Transmission plc ('National Grid') owns and maintains the national high voltage electricity transmission network throughout England and Wales. National Grid has developed plans for Norwich to Tilbury (the 'Project'). The Project would support the UK's net zero target through the connection of new low carbon energy generation in East Anglia and by reinforcing the transmission network.

1.1.2 The Project comprises reinforcement of the transmission network between the existing Norwich Main Substation in Norfolk and Tilbury Substation in Essex, via Bramford Substation, the new East Anglia Connection Node (EACN) Substation and the new Tilbury North Substation.

1.1.3 This Ancient Woodland and Veteran Tree Strategy aims to outline the principal measures that are required to help avoid, minimise, and compensate for the potential ecological effects of the Project on ancient woodland and veteran trees, during and post construction, as per the mitigation hierarchy. Due to the nature of both ancient woodland and veteran trees being 'irreplaceable habitat', additional and bespoke mitigation, which comprises measures over and above any embedded and standard mitigation measures, has been developed which considers each ancient/ or veteran feature independently. This strategy also describes the embedded mitigation which has influenced the Project design in order to avoid and/or reduce impacts to ancient woodland and/or veteran trees for completeness.

1.1.4 The physical extent of each ancient woodland along the Project, has been mapped based on a combination of aerial imagery and based on information obtained from the ground truthing woodland surveys. The precise boundary of each affected ancient woodland will be accurately mapped during pre-construction surveys, to ensure an accurate woodland boundary is determined. This updated information will be incorporated into the Final Landscape and Ecological Management Plan (LEMP), with an updated version of this report as required.

1.1.5 Veteran trees have been surveyed using a combination of data sources. The sources included The Woodland Trust Ancient Tree Inventory (ATI) database, a ground-based survey within the Order Limits plus up to 30 m beyond the Order Limits, aerial imagery (APEM, 2022) – Project commissioned imagery captured using fixed-wing aircraft at a resolution of 3 cm, and open-source aerial imagery.

1.1.6 This Ancient Woodland and Veteran Tree Strategy sits alongside the Outline LEMP (document reference 7.4) (Revision ~~D~~F), which details mitigation and compensation measures for the potential ecological, landscape and visual effects of the Project during and post construction, as well as set out how the land, vegetation and habitats would be reinstated following construction.

1.1.7 Standard mitigation measures are included within the Outline Code of Construction Practice (CoCP) (document reference 7.2) (Revision F~~C~~) and should also be read in conjunction with this document. The Ancient Woodland and Veteran Tree strategy is based on the Project description as submitted with the application for development consent (Environmental Statement (ES) Chapter 4: Project Description (document reference 6.4)). It is recognised that there may be minor refinements through the examination process as part of the application for development consent.

1.2 Purpose of the Strategy

1.2.1 The Ancient Woodland and Veteran Tree Strategy has been produced to detail the environmental measures that would be implemented to avoid, minimise, mitigate and compensate the ancient and/ or veteran features likely to be impacted during construction and operation, as reported in ES Chapter 8: Ecology and Biodiversity (document reference 6.8) (Revision B), ES Chapter 13: Landscape and Visual (particularly in relation to Tree Preservation Orders and veteran trees) (document reference 6.13) as well as the Outline LEMP (document reference 7.4) (Revision FD) and Arboricultural Impact Assessment (AIA) (document reference 6.13.A6).

1.2.2 This Ancient Woodland and Veteran Tree Strategy works within the parameters of 'ancient woodland' and 'veteran tree' as defined by Natural England's 'Ancient Woodland Inventory Handbook for England' (2018) and 'Veteran Trees: A guide to good management (IN13)' (2000):

- **Ancient woodland:** is any area that's been wooded continuously since at least 1600 AD. It includes:
  - Both ancient semi-natural woodland and plantations on ancient woodland sites, these can be sub-classified as either ancient semi-natural woodland (ASNW), ancient wood pasture and parkland (AWPP), infilled ancient wood pasture and parkland (IAWPP) or plantation on ancient woodland sites (PAWs)
  - The term 'ancient woodland' does not represent any particular type of vegetation, nor is it defined explicitly by its ecological or cultural features, but rather encapsulates a broad legacy of characteristically rich, interesting and valuable wooded habitats
- **Veteran trees:** A tree which, because of its age, size and condition, is of exceptional biodiversity, cultural or heritage value. All ancient trees are veteran trees. Not all veteran trees are old enough to be ancient but are old relative to other trees of the same species. Very few trees of any species reach the ancient life-stage.

1.2.3 As described above, 'ancient woodland' and 'veteran trees' are a broad characterisation of distinctive, diverse, and ecologically valuable wooded habitats and as such, a blanket compensation approach may not be effective in protecting these features during and post-construction. This strategy offers a bespoke mitigation/ compensation approach which considers each ancient/ or veteran feature independently. This strategy also describes the embedded mitigation where environmental constraints to ancient woodland and/or veteran trees have been avoided and/or impacts reduced through changes to Project design. The Main Works Contractor(s) would be responsible for implementing the measures outlined within this strategy and associated management plans.

1.2.4 The Project has considered the Forestry Commission and Natural England Standing Advice (2022) which states that '*For ancient woodlands, you should have a buffer zone of at least 15 m to avoid root damage…*'. A 15 m buffer from ancient woodland has therefore been considered an appropriate offset to protect the potential rooting area of the root protection zone (RPZ) for trees within ancient woodlands.

1.2.5 The measures detailed in this Ancient Woodland and Veteran Tree Strategy should be read alongside the Outline LEMP (document reference 7.4) (Revision FD) and ES

Chapter 8: Ecology and Biodiversity (document reference 6.8) (Revision B), ES Chapter 13: Landscape and Visual (document reference 6.13) and the measures described in the Outline CoCP (document reference 7.2) (Revision FC).

1.2.6 The objectives of this strategy are as follows:

- Demonstrate how National Grid has sought to avoid effects on ancient woodland and veteran trees as identified in ES Chapter 8: Ecology and Biodiversity (document reference 6.8) (Revision B) and ES Chapter 13: Landscape and Visual (document reference 6.13)
- Detail the location of the ancient woodland ~~and veteran trees,~~ and the associated 15 m ancient woodland buffer relevant to the Project
- Detail the location of the veteran trees and the associated Root Protection Area (RPA)
- Set out the specific Project construction impacts on ancient woodland and veteran trees and/or the associated 15 m ancient woodland buffer
- Set out the specific Project construction impacts on veteran trees and/or the associated RPA
- Prescribe suitable mitigation measures where impacts to ancient woodland and veteran trees are unavoidable
- To provide a mechanism for the delivery of bespoke ancient woodland and veteran tree mitigation that sits outside of Biodiversity Net Gain (BNG)
- To ensure that legislation and best practice is adhered to by the Project.

1.3 Structure of the Strategy

1.3.1 The structure of this document is set out in Table 1.1.

Table 1.1 Structure and outline of the Ancient Woodland and Veteran Tree Strategy

Chapter/ Appendix	Content
1. Introduction	This sets out the purpose of the Ancient Woodland and Veteran Tree Strategy and how it is structured.
2. Ancient Woodland and Veteran Tree Surveys	This section details the ancient woodland and veteran tree surveys.
3. Ancient Woodland	This section covers the ancient woodland that is within 15 m of the Project Order Limits and considers potential impacts and the mitigation strategy.
4. Ancient Woodland Conclusion	This section summarises the results and the strategy for ancient woodland across the Project.
5. Veteran Trees	This section covers the survey findings and mitigation hierarchy to be implemented for veteran trees. It also provides a range of compensation / remediation options to be agreed upon and implemented on a tree-by-tree basis.

Chapter/ Appendix	Content
6. Veteran Trees Conclusion	This section summarises the veteran tree survey results and the mitigation hierarchy for veteran trees.
Annex A	Figures
Annex B	Other Ancient Woodland within 15 m of the Order Limits
Annex C	Ancient Woodland with Proposed Mitigation in relation to the Project
Annex D	Veteran Features within the Study Area

1.4 Project Commitments

1.4.1 The Project design is a result of an iterative design process that has taken into account environmental considerations from the Project inception. Knowledge gained through the Environmental Impact Assessment (EIA) process, following baseline surveys and assessment of impacts, along with consultation with interested parties have influenced the Project design. Where practicable key environmental constraints have been avoided and/or impacts reduced. These measures are considered embedded mitigation as they are intrinsic to and built into the Project design. Embedded mitigation measures relevant to ecology are set out in ES Chapter 8: Ecology and Biodiversity (document reference 6.8) (Revision B) those relevant to Tree Preservation Orders and veteran trees are set out in ES Chapter 13: Landscape and Visual (document reference 6.13).

1.4.2 Embedded and standard mitigation measures, comprising management activities and techniques, would be implemented during construction of the Project to limit effects through adherence to good site practices and achieving legal compliance. The Outline CoCP (document reference 7.2) (Revision FC) contains relevant standard / good practice mitigation measures relating specifically to landscape, ecology and biodiversity.

1.4.3 Additional mitigation comprises measures over and above any embedded and standard mitigation measures to further reduce significant environmental effects. This includes landscape proposals within the Environmental Areas, where habitat creation and enhancement measures are proposed.

2 Ancient Woodland and Veteran Tree Surveys

2.1 Ancient Woodland

2.1.1 A desk study was undertaken to determine the locations of all known ancient woodlands, located within 200 m of the Project Order Limits. This desk study included a review of Natural England's Ancient Woodland Inventory (AWI) using the most recent updates of the County of Essex in July 2025 and the County of Suffolk in October 2025) and Suffolk Biodiversity Information Service (BIS) ancient woodland inventory.

2.1.2 Ancient Woodlands that were illustrated on Natural England's AWI are woodlands that cover more than 2 ha and are shown on maps on, or before, the year 1600 (Natural England, 2018). Smaller woodlands less than 2 ha are reflected within the Suffolk BIS AWI.

2.1.3 A review of the citations for all statutory and non-statutory designated sites was undertaken, to identify any ancient woodlands (including those of less than 2 ha), whereby their designated site description indicated ancient woodland features.

2.1.4 Habitat surveys have been undertaken across the Order Limits between 2023 and 2025. These surveys included UK Habitat (UKHab) surveys, habitat condition assessment surveys and National Vegetation Classification (NVC) woodland surveys.

2.1.5 Within the Study Area (the Order Limits plus a 200 m buffer), 73 blocks of ancient woodland were identified, these are located in every Project Section as follows:

- Section A – South Norfolk Council (one site)
- Section B – Mid-Suffolk District Council (16 sites, and one on the boundary between Section B and C)
- Section C – Babergh District Council, Colchester City Council and Tendring District Council (seven sites)
- Section D – Colchester City Council (10 sites)
- Section E – Braintree District Council (nine sites, and one on the boundary between Section E and F)
- Section F – Chelmsford City Council and Brentwood District Council (13 sites)
- Section G – Basildon Borough Council and Brentwood Borough Council (and part of Chelmsford City Council) (14 sites)
- Section H – Thurrock Council (one site).

2.1.6 Figure B.A.1 (Revision B) in Annex A shows the location of these ancient woodlands in relation to the Project and the associated Project Section.

2.1.7 Five of the 73 ancient woodlands identified are not mapped as ancient woodland on Natural England's AWI, but their Local Wildlife Site (LWS) description indicates they contain ancient woodland features. Even though these sites are not officially listed on the AWI, the Project has classified them as ancient woodland on a precautionary basis and they have been afforded the same levels of protection and mitigation as a listed ancient woodland site.

2.1.8 In addition, the AWI amendments resulted in the revised boundaries for the following ancient woodlands:

- **Middle Wood (Offton) (Section B)**: this woodland is located within Middle Wood (Offton) Site of Special Scientific Interest. Previously the ancient woodland boundary was 15 m north-east of the Order Limits, however because of the change in the AWI the ancient woodland boundary is now adjacent to the Order Limits
- **Mann/ Parson's Woods (Section E / F):** this woodland is designated as an LWS. Previously the ancient woodland boundary was adjacent to the Order Limits, however because of the change in the AWI the ancient woodland boundary is now approximately 25 m west of the Order Limits at its closest point
- **Lady Grove (Section F):** previously the ancient woodland boundary was approximately 191 m from the Order Limits, however because of the change in the AWI the ancient woodland is now approximately 7 m south-west of the Order Limits
- **Sparrowhawk Wood (Section F):** Previously the ancient woodland boundary was approximately 12 m south-east of the Order Limits, however because of the change in the AWI the ancient woodland boundary is now adjacent to the Order Limits.

2.2 Veteran Trees

2.2.1 A desk study was undertaken to determine the location of veteran trees recorded within 30 m of the Order Limits. The Woodland Trust were contacted for access to their Ancient Tree Inventory (ATI) database. This database was referred to throughout the arboricultural survey process and all efforts were made to validate the locations of these trees. As the ATI data is collected on a voluntary basis, the data is prone to inaccuracies in spatial location, and in some instances the trees could not be verified. However, the Project is accepting the veteran trees defined within the ATI dataset to be accurate and is not challenging the methodology of the existing dataset.

2.2.2 A list of the ATI veteran trees is found in the AIA (dDocument reference 6.13.A6). The ATI database has been manually reviewed since the initial dataset was provided and new veteran trees that have been added within the survey timeframe up until 30 May 2025 have been included.

2.2.3 The arboricultural baseline survey was undertaken between May 2023 and May 2025. New trees that were surveyed as veterans were assessed using the Recognition of Ancient, Veteran and Notable Trees (RAVEN2) survey methodology, produced by Forbes Laird Arboricultural Consultancy (FLAC) (2023).

2.2.4 A total of 112 veteran trees and four veteran tree groups have been identified within the Study Area, of which 108 veteran trees and all veteran tree groups will be

retained with appropriate mitigation measures in place. Four veteran trees require removal and 15 veteran trees and two veteran groups require crown management to facilitate construction of the Project.

2.3 Full Results

2.3.1 Full results for the surveys listed above are provided in their respective documents, a as listed in Table 2.1.

Table 2.1 Surveys and studies supporting the Ancient Woodland and Veteran Tree Strategy

Survey / Desk Study	Document Reference
Baseline Arboricultural Survey	Arboricultural Impact Assessment (document reference 6.13.A6)
Phase 1 and UK Habitat Classification survey	ES Appendix 8.1: Habitat Report (document reference 6.8.A1) (Revision B)
Ancient woodland desk study	ES Appendix 8.1: Habitat Report (document reference 6.8.A1) (Revision B)
National Vegetation Classification survey	ES Appendix 8.2: National Vegetation Classification Report (document reference 6.8.A2)
Designated sites review	ES Appendix 8.16: Designated Sites Report (document reference 6.8.A16)

3 Ancient Woodland

3.1 Potential Impact Pathways

3.2 Construction Phases

3.2.1 The Project includes several construction elements which have the potential to impact ancient woodland. The following key construction elements are considered in terms of the ancient woodland impact assessment:

- Overhead line/ underground cable alignment and construction swathe
- Temporary haul road for construction traffic
- Temporary construction compounds
- Construction works areas
- Third party mitigation of existing assets
- Permanent access routes.

3.3 Impact Pathways

3.3.1 This section details the potential impact pathways (direct and indirect) with potential to affect ancient woodland associated with the above construction elements.

3.3.2 The Project has considered the Forestry Commission and Natural England Standing Advice (2022) which states that '*For ancient woodlands, you should have a buffer zone of at least 15 m to avoid root damage*…'.

3.3.3 Different elements of constructions work may impact an ancient woodland through specific pathways and as such the impacts of works can be variable. Often these specific impact pathways will interlink to more generic impacts, but in the context of the typical works associated with the Project, they can be broadly categorised:

- Canopy loss:
  - Microclimate**:** The tree canopy plays a vital role in regulating the woodland's microclimate. Loss of canopy can lead to increased sunlight and temperature, disrupting the balance of shade-dependent flora and fauna
  - Exposure: Canopy loss increases wind penetration, which can dry out soils, damage understorey vegetation, and make the woodland more vulnerable to further structural damage
  - Soil degradation: Loss of rainwater interception leads to soil erosion and reduced fertility
  - Structural fragmentation: Ancient woodlands have a multi-layered structure, including a canopy, understorey, shrub layer, and ground flora. Canopy loss disrupts this layering, causing shifts in species composition and ecological function

- Ecosystem instability: Ancient woodlands have developed over centuries and are highly specialised ecosystems. Canopy loss can destabilise the ecosystem, making it more vulnerable to further disturbances such as pests, diseases, or extreme weather events. Unlike younger woodlands, ancient woodlands recover very slowly, if at all, from canopy loss due to their unique composition and the long timescales required for tree and habitat regeneration. This is why they are classified as irreplaceable habitat

- **Soil compaction:**
  - Reduced soil aeration: Compaction compresses soil particles, reducing the spaces that hold air and water. This limits oxygen availability to plant roots and soil organisms, such as fungi, bacteria, and invertebrates, which are critical for nutrient cycling. Trees and plants in ancient woodlands often have extensive root systems that require well-aerated soil. Compaction can suffocate roots, impairing growth and survival
  - Reduced soil permeability: Compacted soil reduces the rate at which water can infiltrate, leading to increased surface runoff. This can cause soil erosion and flooding in and around the woodland
  - Restricted growth: Compacted soil creates a physical barrier that prevents roots from expanding freely, limiting the tree's ability to anchor itself and access deeper soil layers
  - Loss of soil biodiversity**:** Soil compaction reduces habitat availability for microorganisms, fungi, and invertebrates that play essential roles in decomposition, nutrient cycling, and soil health
  - Decline in sensitive species: Species adapted to loose well-aerated soils may decline, while those tolerant of compacted conditions (often invasive species) may dominate
- **Soil excavation / open cutting:**
  - Physical root damage: much of these impacts are like soil compaction, but excavation could sever tree roots, which are essential for water and nutrient uptake, anchorage, and tree stability
  - Tree stress / mortality: damage to roots can lead to tree dieback, increased susceptibility to pests and diseases, or outright tree death, particularly for ancient or veteran trees with extensive root systems
  - Change to water drainage patterns: Excavation / compaction can disrupt the natural drainage and infiltration patterns within the woodland, leading to waterlogging in some areas and drying out in others
- **Contamination from construction run-off:**
  - Chemical pollution: Construction run-off often contains harmful substances such as concrete washings, hydrocarbons (e.g., oil, fuel), heavy metals, and other chemicals. These can alter soil chemistry, making it toxic to plants, fungi, and soil organisms. If soil is infiltrated within a woodland or ~~tree root protection area (RPA)~~ancient woodland buffer, this may cause tree mortality or increase susceptibility to disease

- **Other pollutants:**
  - Dust and noise pollution: Construction activities such as soil storage, excavation, operating machinery and steelworks can damage an ancient woodland by disrupting plant photosynthesis, altering soil chemistry, and disturbing wildlife behaviour, leading to long-term ecological imbalance
  - Light spill: Temporary lighting during construction works can impact ancient woodland by disrupting the natural behaviours of nocturnal fauna, disorientate key pollinator species and interfere with the growth cycles of valuable flora associated with ancient woodland interiors
- **Introduction of foreign flora:**
  - Invasive, non-native species (INNS): These may be introduced to a woodland through the movement of contaminated soil, machinery, or materials, as well as by creating disturbed ground that provides ideal conditions for their establishment and growth. These species will often outcompete native flora associated with ancient woodland because they grow faster, tolerate a wide range of conditions, or lack natural predators in the introduced environment
- **Poor housekeeping:**
  - Litter stockpiling: Stockpiling litter in construction work areas can compact soil, cause harm to fauna by entrapment or ingestion, or result in run-off of chemical pollutants into woodland waterways or soil. Litter can also change the micro-habitats present within a woodland or alter the thermal properties of the forest floor which could impact organisms dependant on stable or specific conditions
- **Edge effects:**
  - Edge effects: Any of the above can create 'edge effects', which in ancient woodlands refer to the changes in environmental conditions, ecological processes, and species composition that occur at or near the boundary (or 'edge') of the woodland, as opposed to its interior. These effects are typically caused by external influences such as light, wind, temperature, noise, pollution, and human activity, which penetrate the woodland from the surrounding landscape. Ancient woodlands, which are highly sensitive and often small or fragmented, are particularly vulnerable to edge effects, which can lead to significant ecological degradation.

3.4 Summary of Potential Impact Pathways

3.4.1 Table 3.1 describes the construction elements associated with the Project and provides explanation of the potential pathways that could affect ancient woodland (hypothetical, this is not an impact assessment for the Project). For a more comprehensive description of these construction elements please see ES Chapter 4: Project Description (document reference 6.4).

Table 3.1 Construction elements and their potential impact on Ancient Woodland

Construction Element	Description	Impact to Ancient Woodland (Hypothetical)
400 kV Overhead Line	**Vegetation removed (to ground level or sufficient height to meet electrical clearances plus an allowance for growth):** A 40 m wide swathe of removed vegetation to allow for the construction and operation (and maintenance) of the overhead line (to include all physical infringements to conductor, including conductor swing (45° blown-out conductor); i.e., 20 m either side of each overhead line centreline. **Vegetation affected / managed:** An additional up to 8 m of vegetation either side of the 40 m may then need to be managed during construction and operation (and maintenance) to allow for electrical clearance from the conductor to be maintained (assumes a generalised allowance of 0.5 m growth per year over a 5-year period. **Total:** 56 m (excluding Limits of Deviation (LoD)). **Vegetation potentially affected:** A further, up to 22 m of vegetation either side of the 8 m would be potentially affected, which includes allowances for design flexibility as per the proposed lateral LoD. The base of the pylons would involve the excavation of the soil. Piling (which may include percussive) would be required at some pylon locations, subject to the ground conditions.	In worst case, permanent loss of a portion or entirety of irreplaceable habitat resulting in total or partial biodiversity loss. In areas where vegetation is affected / managed, pruning of trees may result in canopy loss.
400 kV Underground cable	A 120 m swathe of vegetation removal around route centreline as standard is applied to the whole route and mitigated (pinched) where necessary. The 120 m width includes the temporary haul road, soil storage, pre-construction drainage areas, communications cables and typically six cable trenches for 18 cables (three cables per phase) assumed to be to a typical minimum depth of 1.2 m and suitably spaced apart to allow for the required heat dissipation between cables and circuit phases. Cables are installed typically using open cut techniques. A further (up to) 50 m of vegetation either	In worst case, permanent loss of a portion or entirety of irreplaceable habitat resulting in total or partial biodiversity loss. If open-cut excavation occurs within the 15 m ancient woodland buffer, damage to ~~RPA~~ roots can be expected which may compromise woodland health. Soil compaction from temporary haul road or soil storage could damage RPA through altered water draining

Construction Element	Description	Impact to Ancient Woodland (Hypothetical)
	side of the maximum 120 m swathe would be potentially affected during construction, allowing for the LoD (50 m either side).	patterns and reduced soil aeration / water permeability. Drainage could run-off into woodland and contaminate the soils contributing to poor woodland health and edge effects.
Temporary haul road for construction traffic	A 12 m swathe of vegetation removal allowing for 8 m wide haul road and 2 m either side for two-way vehicular movement and drainage, shallow excavation for the laying of aggregate and then shape / levelling of the road to create the desired road profile which would typically include sloping for drainage. A further 4 m buffer is applied either side.	In worst case, permanent loss of a portion or entirety of irreplaceable habitat resulting in total or partial biodiversity loss. Soil disturbance from excavation works and compaction from movement of heavy plant and machinery could damage ~~RPA~~ rooting environment through altered water draining patterns and reduced soil aeration/ water permeability. Drainage could run off into woodland and contaminate the soils contributing to poor woodland health and edge effects.
Temporary construction compounds	Land would also be required temporarily for construction activities including, for example, construction working areas, storage areas for construction equipment and machinery, site offices, welfare, materials and temporary construction access. It is assumed that the water supply needs of the Project during construction would be sourced either from mains water supply or in remote locations, where this option may not be available, water would be tankered in.	In worst case, permanent loss of a portion or entirety of irreplaceable habitat resulting in total or partial biodiversity loss. If within ~~a~~the 15 m ancient woodland buffer ~~buffer of the woodland~~, disturbance such as light pollution, noise and dust, soil compaction from storage/ manoeuvring of heavy plant or poor housekeeping resulting in the stockpiling of litter, vehicular movement and temporary cabins can lead to edge effects and / or damage to ~~RPA~~ the rooting environment through altered water draining patterns and reduced soil aeration/ water permeability.

Construction Element	Description	Impact to Ancient Woodland (Hypothetical)
Third party mitigation of existing assets	Includes works to remove, underground and divert, existing 132 kV lattice pylon overhead line. The installation of underground cable diversions is assumed to be in a single trench typically up to 3 m in width and 1.2 m in depth to the cover (worst-case for deep ploughing). An underground cable LoD of 35 m has been applied, it is assumed that any vegetation within the LoD would be removed during construction and reinstated where practicable following the works. There is also third-party mitigation to remove, underground and divert existing electricity overhead lines (132 kV, 33 kV and 11 kV-) and Openreach wood pole infrastructure along the overhead line alignment. The installation of underground cable diversions is assumed to be in a single trench typically up to 1 m in width and 1.2 m in depth to the cover (worst-case for deep ploughing). These would be routed either within the existing highway, highway verges or across farmland (using existing gaps through hedgerows where practicable). An underground cable LoD of 25 m has been applied.	In worst case, permanent loss of a portion or entirety of irreplaceable habitat resulting in total or partial biodiversity loss. Dismantling of existing pylons within an ancient woodland would be considered to be of long-term positive benefit. However, any intrusive/ ground-breaking works could damage a woodland's ~~RPA~~ root system and therefore impact root vitality and spread. Soil compaction from excavation works, soil storage, high noise and dust levels, heavy machinery or vehicle movement could alter water drainage patterns and reduce aeration / water permeability of the soil thus compromising woodland health. This disturbance could lead to edge effects.
Permanent access routes	There would be no physical works associated with permanent access routes to pylons or underground cables. They are proposed rights of access only to allow for any maintenance or refurbishment required.	No impact.

3.5 Impact Assessment

3.6 Summary of Impacts

3.6.1 The Project design process has carefully considered ancient woodland from the Project inception, with the design intended to avoid impacts on ancient woodland and the associated 15 m ~~root protection zone~~ ancient woodland buffer where practicable. The mitigation hierarchy has been applied throughout the design process.

3.6.2 The tables below identify the potential impacts, in the absence of additional mitigation, on specific ancient woodland parcels:

- Table 3.2 describes construction elements and associated impacts where works are proposed within ten ancient woodlands

- Table 3.3 describes construction elements and associated impacts where works are proposed within the 15 m ancient woodland buffer of seven ancient woodlands.

3.6.3 Annex C includes a series of figures (Figure B.C.1 to Figure B.C.9) that show each ancient woodland identified within Table 3.2 and Table 3.3 with the construction elements.

3.6.4 In addition, Table 3.4 describes the habitat enhancement proposals associated with two ancient woodlands.

Other Ancient Woodlands

3.6.5 It is important to distinguish the difference between distance to the Project Order Limits and distance to proposed construction works, as the Order Limits are not necessarily mutually exclusive with impact to, or loss of, habitat. While in theory the Limits of Deviation (LoD) on the proposed alignment could bring works into the 15 m buffer, a Project commitment, as detailed within the Outline CoCP (document reference 7.2) (Revision FC), will ensure that the avoidance of ancient woodland and its 15 m buffer is a priority in practice. Table B.1 within Annex B details the other ancient woodlands that specifically need to be considered during detailed design but are not currently impacted by the Project.

Table 3.2 Works proposed within ancient woodland

Project Section	Ancient Woodland Name and Description[1]	Impact	Figure Ref
B	**Lodgefield Row** Lodgefield Row is a plantation woodland approximately 1.34 ha in total and appears to be managed for game. The tree canopy supported ash *Fraxinus excelsior*, field maple *Acer campestre*, oak *Quercus sp.,* and beech *Fagus sylvatica*. The understorey was dominated by hazel *Corylus avellana* and elder *Sambucus nigra* with dog's mercury *Mercurialis perennis* in the ground flora.	**Non-Excavation Works** This plantation woodland is approximately 2 m north-west of the current alignment for the 400 kV overhead line (RG Route) between towers RG171 and RG172. Approximately 0.07 ha of woodland may require topping of upper canopy branches to maintain sufficient electrical clearance (20 m either side of the centreline plus an additional 8 m of vegetation managed). Some trees may require coppicing to just above ground level where they interact with the working area for overhead line installation. The woodland is sparse in tree cover and constrained by limited age diversity, with additional damage resulting from game management practices, particularly along its edges where impacts will be greatest. No ancient or veteran trees, nor ancient woodland soils or ground flora, will be affected by the proposed works, as impacts will be primarily concentrated within the upper canopy layer. **Excavation Works** A temporary haul road is proposed 12 m east of the woodland at its closest point, with associated vegetation clearance between 5 and 15 m from the woodland. Surfacing works of the road and vegetation clearance, which appears to be mostly arable habitat, will require some (albeit minor) excavation to facilitate construction.	**Figure B.C.12** (Annex C)
B	**Bushey Grove (part of Fore and Bushey Groves CWS)** Bushey Grove is an ancient woodland which at one time it may have been joined with Fore Grove (also ancient woodland), but a track now separates them. Most of the wood has a	**Excavation Works** Approximately 0.25 ha of Bushey Grove is within the Order Limits to facilitate the dismantling and subsequent undergrounding of 97m of a third-party 33 kV overhead line. The overhead line is an existing asset within the woodland and to maintain sufficient electrical clearance, the woodland is already managed around the conductors	**Figure B.C.13** (Annex C)

[1] Woodland descriptions were taken from Local Wildlife Site citations as published by the relevant Local Authority.

Project Section	Ancient Woodland Name and Description[1]	Impact	Figure Ref
	uniform structure of field maple and hazel coppice with ash standards. Notable ground flora includes dog's mercury, primrose *Primula vulgaris* and lord's-and-ladies *Arum maculatum*.	and cables. Undergrounding of the 33 kV overhead line will require excavation (albeit minor) directly underneath the footprint of the current alignment. Excavation works are required to remove the reinforced concrete foundation of 33 kV towers to 1.2 m below ground level.	
B	**Round Wood** Round Wood is an ancient woodland bordered by a medieval bank, ditch and hedgerows. Dominant trees include pedunculate oak *Quercus robur* and ash *Fraxinus excelsior* with hazel *Corylus avellana* coppice. There is a good diversity of uncommon woody species including midland hawthorn *Crataegus laevigata*, guelder-rose *Viburnum opulus*, crab apple *Malus sylvestris*, spindle *Euonymus europaeus*, early-purple orchid *Orchis mascula*, wood anemone *Anemone nemorosa*, early dog-violet *Viola reichenbachiana*, sanicle *Sanicula europaea* and stinking iris *Iris foetidissima*. The woodland also supports woodland birds, particularly warblers.	**Non-Excavation Works** The existing third party 132 kV line (PHB line) passes through the northern section of the woodland. This section of the 132 kV PHB line is to be removed as part of the Project. Pylon PHB30, located within the north-eastern corner of the ancient woodland, is to be dismantled. The proposed works area is subject to ongoing vegetation management around the existing pylon and overhead line. **Excavation Works** Excavation works will be required to remove the reinforced concrete foundation of pylon PHB30 to 1.2 m below ground level. While there will be a small area of temporary habitat loss within the woodland to allow for this excavation, the impact affect shrub and ground flora only and will not require the removal of mature trees. Bespoke mitigation will still apply.	**Figure B.C.1** (Annex C).
B	**Miller's Wood** Miller's Wood is a patch of ancient woodland enclosed by a woodbank, 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	**Non-Excavation Works** Partially within Order Limits for primary access route H10-A2, H11-A1 and visibility splay. The visibility splay runs past the southern edge of the woodland which is approximately 365 m on the existing Bullen Lane. As the visibility splay is situated on a pre-existing road, it is expected that there is likely already some degree of roadside management of vegetation in-place. Potential requirement to prune back overhanging vegetation.	**Figure B.C.5** (Annex C).

Project Section	Ancient Woodland Name and Description[1]	Impact	Figure Ref
	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 beech *Fagus sylvatica*. The ground flora is reasonably varied Sanicle *Sanicla eurpaea*, violet *Viola* spp., wood spurge *Euphorbia amygdaloides* and hairy St John's-wort *Hypericum hirsutum* are amongst the more uncommon plants on the species list.	No direct loss of woodland is expected.	
D	**Horkesley Plantation** Horkesley Plantation is approximately 1.39 ha in size and supported alder Alnus glutinosa trees with ash, elder Sambucus nigra, hazel Corylus avellana and blackthorn Prunus spinosa. The south and south-west portions of the woodland supported willow Salix sp. and oak Quercus sp. Bluebell Hyacinthoides non-scripta and greater stitchwort Stellaria holostea were present throughout. Approximately 1.2 ha of this ancient woodland is located within the Order Limits. The ditch located on the woodland edge is used for agricultural drainage with approximately four buried pipes discharging into it, there was a narrow (c. 0.5 m) opening consisting of bare ground leading toward the drainage ditch. The surrounding area was dominated by nutrient-enriched edge vegetation, including nettle, cleaver, and bramble scrub. Immediately	**Non-excavation Works** This woodland is partially within the Order Limits. it's less than 10 m from the 400 kV underground cable LoD, however is 15 m from the edge of the cable swathe and therefore no impacts to the ancient woodland or the 15 m ~~RPA~~ ancient woodland buffer are anticipated. **Excavation Works** Drainage from a proposed permanent attenuation system would discharge into an existing drainage ditch located at the edge of the woodland. The outfall design comprises a small diameter buried pipe (less than 300 mm in diameter) and a modest outfall structure integrated into the bank of the ditch.	**Figure B.C.14** (Annex C)

Project Section	Ancient Woodland Name and Description[1]	Impact	Figure Ref
	south-east of the opening, one semi-mature to mature oak, willow, and alder were recorded.		
E	**Rivenhall Thicks** Rivenhall Thicks is a large, important ancient woodland that has an exceptionally rich flora. The structure of the wood is primarily old, coppiced hazel and ash with standards of pedunculate oak. The woodland is extremely diverse, with 28 species of trees and shrubs recorded. There are many plants indicative of ancient woodland in the ground flora.	**Non-Excavation Works** The very edge of a standard works area for the existing third party 33 kV overhead line, which requires dismantling of one wood pole and subsequent undergrounding, lies just within the woodland. **Excavation Works** The existing 33 kV overhead line will be undergrounded on the same route will require excavation (albeit minor) to install the cable 3 m from the woodland edge. A 100 m section of temporary haul road would be located within the 15 m buffer (8 m at closest point, 14 m at farthest point) to the north of the woodland. The haul road has a 4 m buffer either side and further 2 m either side for two-way vehicular movement and drainage.	**Figure B.C.2** (Annex C)
F	**Writtle – Writtlepark Woods** The Writtlepark complex consists of Writtlepark Wood, Bosmore Wood, Baker's Wood and Chatterbox Wood. Writtlepark Wood. It is dominated by coppiced sweet chestnut and hornbeam *Carpinus betulus*. Pedunculate oak standards are found throughout. These woodlands form an integral part of the historic landscape of Writtle Forest. There is good documentary evidence to suggest an ancient status, which is also borne out by the structure and composition.	**Non-Excavation Works** Writtle-Writtlepark Woods lies just within the Order Limits. An existing 11 kV overhead line with one wood pole lies within the north-east corner of Bosmore Wood (part of the Writtlepark Wood complex). This 11 kV overhead line is to be dismantled and undergrounded as part of this Project. Removal of this single wood pole will cause minimal temporary loss of shrub vegetation and ground flora and will not require the removal of mature trees. **Excavation Works** The proposed subsequent undergrounding lies just 4 m into the woodland on the same alignment as the existing overhead line. While there will be a direct impact to the woodland, this is measured as low as the woodland is already managed to provide electrical	**Figure B.C.3** (Annex C)

Project Section	Ancient Woodland Name and Description[1]	Impact	Figure Ref
		clearance around the overhead line. Bespoke mitigation will still apply.	
F	**Edney Woods** Edney Woods is part of the Great/ Little Edney Woods LWS and is comprised of pedunculate oak trees, with hornbeam and sweet chestnut coppice. The diverse ground flora included several ancient woodland indicator species. Majority of the woodland within the Project Order Limits is comprised of a surfaced track and woodland edge habitat with a single mature pedunculate oak tree approximately 2 m from the track.	**Excavation Works** A 30 m section of temporary haul road would be located within the ancient woodland; this haul road would use the existing access track. Widening and resurfacing of the track may be required to accommodate construction traffic. A temporary sustainable drainage system (SuDS) would be 10 m south-east of the woodland.	**Figure B.C.15** (Annex C)
G	**Unnamed woodland north-east of Bladen's Wood (hereafter called 'North-east of Bladen's Wood')[2]** North-east of Bladen's Wood is a plantation woodland which supports ash trees (dominant), with occasional oak, and rare occurrences of silver birch *Betula pendula* and sweet chestnut. Tree age ranged from ash saplings to young oaks and early mature ash, with an average canopy height of 18 to 20 m. The understorey was relatively sparse with frequent hornbeam, occasional sweet chestnut, elder, and blackthorn along the woodland edge. The ground layer was also relatively sparse with frequent ground ivy	**Non-Excavation Works** The existing third-party 132 kV overhead line (UK Power Networks (UKPN) PUB line), which currently crosses the ancient woodland at its narrowest point, will be temporarily realigned eastward to span the woodland's corner. Following this, the line will be decommissioned and replaced with a permanent overhead alignment situated approximately 15 m west of the original route before being undergrounded further north. Habitat management of the trees beneath the newly proposed route will be required for electrical clearance.	**Figure B.C.16** (Annex C)

[2] North-east of Bladen's Wood ancient woodland is not subject to any statutory or non-statutory designations, and therefore no formal description is available. The habitat description provided is based on field survey data collected in 2025.

Project Section	Ancient Woodland Name and Description[1]	Impact	Figure Ref
	Glechoma hederacea in shaded areas, becoming more nutrient rich (with bramble and cleavers *Galium aparine*) toward the woodland edge.		
G	**Little Bladen's Wood** This LWS comprises a large but partially grubbed out wood and a detached section to the south. The main wood is almost pure hornbeam coppice with very little shrub layer or ground flora beneath. The ground flora contains plants indicative of ancient woodland including bluebell *Hyacinthoides non-scripta* and wood meadow-grass *Poa nemoralis*.	**Non-Excavation Works** Little Bladen's Wood lies within the Order Limit. The Project includes the removal and undergrounding of part of an existing 132 kV overhead line which currently crosses the western corner. Pylon PUB40 sits in the northern fringe of the woodland and will require modification (not removal) to facilitate the undergrounding of the 132 kV further north. An access route lies 13 m into the woodland to access pylon PUB40 for these modification works. This will make use of the existing route used for ongoing maintenance to the existing line and no further works to this access road are required. While no excavation works are proposed within 15 m of the woodland, works areas do fall within the 15 m ancient woodland buffer.	**Figure B.C.10** (Annex C)

Table 3.3 Works proposed within 15 m buffer of ancient woodland [3].

Project Section	Ancient Woodland Name and Description[4]	Impact	Figure
B	**Middle Wood (Offton)** Middle Wood is a complete medieval wood with eastern and western extensions of ancient secondary woodland and also designated as a SSSI. The wood contains seminatural stands of several different wood types and is predominantly of coppice-with-standards structure; several hectares to the south are still within a coppice rotation. The main stand-type is ash-maple on wet boulder clay. Oak is the dominant standard and shows an unusually wide range of age structure (from 35–300 years old). The wood has a diverse ground flora with many species typical of ancient woodland, including locally rare grass wood barley *Hordelymus europaeus*.	**Non-Excavation Works** The ancient woodland boundary for Middle Wood (Offton) has moved 60 m westward. The ancient woodland is now adjacent to the works area to dismantle the existing 132 kV overhead line (PI Route) and approximately 29 m from pylon PI35 which requires dismantling. The woodland is also 8 m east of the pulling location for the proposed location of 400 kV pylon RG188. The woodland is over 100 m from the designed location for the pylon.	**Figure B.C.17** (Annex C)
C	**Wenham Grove** Wenham Grove is approximately 2.02 ha in total, with the full extent of this woodland located within the Order Limits. It is a plantation woodland that appears to be managed for pheasant. The tree	**Non-Excavation Works** Wenham Grove is approximately 12 m from the works area for a permanent access road leading to Wenham Grove CSE compound. The access road could lead to soil compaction and create a physical barrier which limits species movement and dispersal.	**Figure B.C.18** (Annex C)

[3] The ancient woodland boundary for Mann/ Parson's Wood has changed due to revisions to the AWI in July 2025, particularly on the eastern edge of the woodland which was previously adjacent to the Order Limits. The ancient woodland is now approximately 25 m from the Order Limits at its closest point.

[4] Woodland descriptions were taken from Local Wildlife Site reviews as published by the relevant Local Authority.

Project Section	Ancient Woodland Name and Description[4]	Impact	Figure
	supported ash, poplar (*Populus* spp.), pedunculate oak and field maple. Its understorey supported hawthorn, blackthorn *Prunus spinosa*, and hazel. Ground flora included burdock *Arctium* spp., agrimony *Agrimonia eupatoria*, traveller's-joy *Clematis vitalba*, bramble *Rubus fruticosus* agg., common nettle *Urtica dioica*, cow parsley *Anthriscus sylvestris*, St John's-wort *Hypericum* spp., and brome *Bromus* spp.		
D	**Stonefield Strip (LWS)** The woodland is a narrow strip dominated by tall ash and field maple coppice in the canopy, with a scattered shrub layer and ground flora including ancient woodland indicators. Although this strip is too small to be listed on the ancient woodland inventory, a wood bank and ditch on the west edge of the wood combined with the general woodland structure and flora indicate that this is an ancient wood.	**Non-Excavation Works** The northern tip of the woodland is 8 m south of the 400 kV overhead line LoD extent but sits over 54 m from the current alignment and therefore no direct loss of woodland habitat expected. The woodland lies 12 m from the haul road works area, but it is 16 m from any excavation works to facilitate the haul road. No direct loss of woodland expected and no excavation within the 15 m ~~RPA~~ ancient woodland buffer is expected.	**Figure B.C.6** (Annex C)
D	**Unnamed Woodland (north-west of Great Horkesley) (hereafter referred to as 'North-west of Great Horkesley')** The woodland is not subject to any statutory or non-statutory designations,	**Non-excavation Works** Temporary attenuation drainage and outfall LoD is 10 m from the woodland boundary, with the drainage 20 m from the woodland boundary in the current Project design. The woodland is 10 m from the	**Figure B.C.19** (Annex C)

Project Section	Ancient Woodland Name and Description[4]	Impact	Figure
	and therefore no formal description is available.	400 kV underground cable LoD and 17 m from the edge of the cable swathe and so no impacts are anticipated. **Excavation Works** The working area for the cable bypass haul road is 10 m from the woodland at its closest point (6 m long section). Excavation works and soil storage may be required to facilitate the construction of the cable bypass haul road within the 15 m ancient woodland buffer~~the 10 to 15 m buffer from the woodland~~.	
F	**Sheepcotes Wood** Sheepcotes Wood is a small, neglected woodland comprising pedunculate oak, ash, and field maple, with a hazel and hawthorn *Crataegus monogyna* shrub layer. Dog's mercury *Mercurialis perennis* is abundant in the ground flora.	**Non-Excavation Works** Sheepcotes Wood lies outside the Order Limits. The woodland is 10 m south-east at the closest point from permanent access route (right of access only) for maintenance of the 400 kV overhead line. No construction works are required for the permanent access. The woodland lies 40 m south-west of the main TB-route compound. Utility (electricity and water) connections to the compound are proposed to run along the north of the woodland, with a 15 m buffer applied to the works areas for flexibility. At one point the water pipeline goes slightly closer (15 m) as it ties into an existing structure, which sits between the ancient woodland and the proposed water connection. While the water pipe itself would be outside the 15 m ancient woodland buffer the standard works area (which provides flexibility) lies within 4 m at one specific point. No excavation works are proposed within 15 m of the woodland and no loss of woodland anticipated, but the works area lies just within the 15 m ancient woodland buffer.	**Figure B.C.8** (Annex C)
G	**Clapgate Wood** Clapgate Wood is an area of ancient woodland where ash, sweet chestnut and	**Non-Excavation Works** A standard working area of 25 m has been applied across the Project for 11 kV works, this works area lies adjacent to the woodland at its closest point.	**Figure B.C.4** (Annex C)

Project Section	Ancient Woodland Name and Description[4]	Impact	Figure
	silver birch form the main structure, with hazel in the understory.	**Excavation Works** Along the edge of the very southern corner of the woodland (12 to 15 m away), is a proposed underground cable for a third party 11 kV. This is mitigation for the dismantling of an existing overhead line further south. No direct loss of woodland.	
G	**Botneyhill Wood** Botneyhill Wood is a LWS which has been added to the ancient woodland inventory following a review in July 2025.It comprises a canopy dominated by neglected hornbeam coppice with occasional standards of pedunculate oak and ash. The site supports key indicator species of ancient woodland.	**Non-Excavation Works** The western corner of the woodland is approximately 9 m from the haul road works area. The woodland is separated from the haul road by the existing Chase Farm Road which may already have minimised the ~~RPA~~ potential rooting area of the woodland.	**Figure B.C.9** (Annex C)

Table 3.4 Enhancement of ancient woodland

Project Section	Ancient Woodland Name and Description	Impact	Figure
C	**Wenham Grove** Wenham Grove is approximately 2.02 ha in total, with the full extent of this woodland located within the Order Limits. It is a plantation woodland that appears to be managed for pheasant. The tree supported ash, poplar (*Populus* spp.), pedunculate oak and field maple. Its understorey supported hawthorn, blackthorn *Prunus spinosa*, and hazel. Ground flora included burdock *Arctium* spp., agrimony *Agrimonia eupatoria*,	This woodland is within the Order Limits and forms part of an Environmental Area designated for landscape enhancement and BNG. This will involve both habitat creation and ongoing habitat management. Enhancement of Wenham Grove will ~~include~~ prioritise natural regeneration and appropriate management interventions, such as thinning, as the default approach within the woodland. S~~s~~upplementary planting of native trees and shrubs within the existing woodland will only be undertaken where this can be strongly justified as delivering a habitat-specific net benefit to the woodland. Planting of native trees and shrubs will also be undertaken~~and~~ within the~~the 0 to~~ 15 m ~~RPA~~ ancient woodland	**Figure B.C.18** (Annex C)

Project Section	Ancient Woodland Name and Description	Impact	Figure
	traveller's-joy *Clematis vitalba*, bramble *Rubus fruticosus* agg., common nettle *Urtica dioica*, cow parsley *Anthriscus sylvestris*, St John's-wort *Hypericum* spp., and brome *Bromus* spp.	buffer surrounding Wenham Grove, alongside. Nnative hedgerows, scrubby edge habitats and individual native trees will be planted to enhance habitat connectivity.	
D	**Horkesley Plantation** Horkesley Plantation is approximately 1.39 ha in size and supported alder *Alnus glutinosa* trees with ash, elder *Sambucus nigra*, hazel *Corylus avellana* and blackthorn *Prunus spinosa*. The south and south-west portions of the woodland supported willow *Salix sp*. and oak *Quercus sp.* Bluebell *Hyacinthoides non-scripta* and greater stitchwort *Stellaria holostea* were present throughout. Approximately 1.2 ha of this ancient woodland is located within the Order Limits. The ditch located on the woodland edge is used for agricultural drainage with approximately four buried pipes discharging into it, there was a narrow (c. 0.5 m) opening consisting of bare ground leading toward the drainage ditch. The surrounding area was dominated by nutrient-enriched edge vegetation, including nettle, cleaver, and bramble scrub. Immediately south-east of the opening, one semi-mature to mature oak, willow, and alder were recorded.	The woodland forms part of an Environmental Area designated for landscape enhancement and Biodiversity Net Gain (BNG). This will involve both habitat creation and ongoing habitat management. Enhancement of Horkesley Plantation will include prioritise natural regeneration and appropriate management interventions, such as thinning, as the default approach within the woodland. excavation works through the Ssupplementary planting of native trees and shrubs within the existing woodland will only be undertaken where this can be strongly justified as delivering a habitat-specific net benefit to the woodland. Planting of native trees and shrubs will also be undertaken. Wwithin the 0 to 15 m ancient woodland buffer RPA surrounding Horkesley Plantation, native hedgerows, three new native woodland parcels with scrubby edge habitats, and individual native trees will be planted to enhance habitat connectivity.	**Figure B.C.14** (Annex C)

3.7 Interactions with other projects

3.7.1 There will be some interaction with the Norwich to Tilbury Project ('the Project') and the Lower Thames Crossing (LTC) project (assuming LTC proceeds to construction). Specifically associated with ancient woodland, the two schemes geographically overlap at the Tilbury North Substation and land to the south. While the Norwich to Tilbury Project does not directly impact existing ancient woodland it does affect an area of tree planting required as part of the LTC project to mitigate for the loss of ancient woodland. Further details are provided within Table 3.5 below.

Table 3.5 Lower Thames Crossing scenario

Project Section	Ancient Woodland Name and Description	Impact	Figure
H	**Ashen Shaw and Rainbow Wood (LWS)** Rainbow Wood appears to be a small ancient woodland fragment. It is an overgrown sweet chestnut coppice, with hazel, field maple and a canopy of pedunculate oak, wild cherry *Prunus avium* and ash. Ashen Shaw has a canopy mainly comprising pedunculate oak, ash and field maple. Hornbeam coppice found on the edge of the wood has old coppice stools that suggest the woodland is old. The structure and floristic composition of these woods suggest that they are both ancient in origin, though they are not listed on the AWI.	**Loss of proposed compensation land** Removal of part of this woodland block (Ashen Shaw) is required under the LTC project proposals. The Project proposals will not impact the remaining part of this woodland, with no excavation works proposed within 15 m of woodland. The Project will impact LTC's proposed location for replacement ancient woodland planting. The proposed Tilbury North Substation covers part of this 'proposed mitigation area' and the overhead lines coming into the substation to the south place restrictions on tree planting. At the time of writing this strategy LTC's ancient woodland planting had not been undertaken, and National Grid are in consultation with the LTC team regarding proposed work timetables.	**Figure B.C.11** (Annex C)

3.8 Mitigation Strategy

Overarching Principles of the Strategy

3.8.1 As per the mitigation hierarchy, avoidance of impacts on ancient woodland is the principal aim of the strategy and is achieved through embedded mitigation.

3.8.2 Where it is not possible to completely avoid impacts, the Project seeks to minimise impacts through design changes or modifications to working methodology. Standard mitigation measures, comprising management activities and techniques, would be implemented during construction of the Project to limit effects through adherence to good site practices and achieving legal compliance. The Outline CoCP (document reference 7.2) (Revision FC) contains relevant standard / good practice mitigation measures relating specifically to landscape, ecology and biodiversity along with commitments made by National Grid.

3.8.3 In most cases, the above avoidance, embedded and standard mitigation measures are adequate to avoid impacts to ancient woodland. However, where this is not the case, additional mitigation, comprising measures over and above any embedded and standard mitigation measures, are proposed to further avoid significant environmental effects. Compensation is a last resort and is not currently proposed within this strategy.

Embedded/ Standard Mitigation

3.8.4 Embedded/ standard mitigation are National Grid commitments which have been applied to all ancient woodlands as standard across the Project, as included within the Outline CoCP (document reference 7.2) (Revision CF).

National Grid Commitment

3.8.5 National Grid are dedicated to undertaking sensitive construction practices to avoid impact to ancient woodland. Integrating this principle into the Project design process has been a core part of the process. As such, National Grid have committed to no physical works or breaking ground within 15 m of any ancient woodland or within ancient woodland where at all possible (commitment B17 of the Outline CoCP (document reference 7.2) (Revision FC)). The 15 m buffer is to protect the Root Protection Area (RPA)potential rooting area of the ancient woodland; a 15 m distance is based on guidance from Natural England and the Forestry Commission (2022).

3.8.6 At detailed design stage (post-consent) this commitment to a 15 m buffer from ancient woodland will be fundamental constraint to the design process.

3.8.7 In addition to the standard ancient woodland mitigation commitment, National Grid have also made specific Project commitments associated with restrictions to works areas and changes to working methods within/within 15 m of certain ancient woodlands. These commitments remove all impacts to seven ancient woodlands (Middle Wood (Offton), Stonefield Strip, Sheepcote's wood, Wenham Grove, Botneyhill Wood, North-west of Great Horkesley and Miller's Wood) and reduce impacts to the remaining ten, these are also detailed within the Outline CoCP (document reference 7.2) (Revision CF):

- B20 - All works (including all excavation works) associated with the 132 kV PSB cable sealing end platform, will stay out of the 15 m buffer from Parson's and Queen's Wood Local Wildlife Site (LWS)

- B21 - The temporary construction haul roads and associated working area will be micro-sited to avoid the 15 m ~~root protection area~~ ancient woodland buffer from Stonefield Strip Ancient Woodland
- B22 - The works area for flexibility to install utility connections to compounds TB-CC07/TB-Main will avoid the 15 m buffer from the ancient woodland known as Sheepcote's Wood
- B23 - The working area for the haul road will be micro-sited to avoid the 15 m ancient woodland buffer~~root protection area~~ from the ancient woodland associated with Botneyhill Wood LWS
- B24 - Commitment to only manage trees/ vegetation from the southern side of Bullen Lane as part of the visibility splay to avoid impacts on Millers Wood Local Wildlife Site and associated ancient woodland
- B25 - Commitment to micro-site haul road outside the 15 m ancient woodland buffer from Rivenhall Thicks Ancient Woodland or use no-dig construction methods for the short stretch of haul road located within 15 m ancient woodland buffer
- B27: Commitment to micro-site the drainage outfall within Horkesley Plantation ancient woodland to minimise the loss of large trees and valuable woodland ground flora species, which makes use of an existing opening in the woodland
- B28: The working area for the underground cable haul road and drainage tunnel will be micro-sited to avoid the 15 m ancient woodland buffer~~root protection area~~ from the unnamed ancient woodland, referred to as North-west of Great Horkesley
- B29: Commitment to use the existing track in its existing state through Edney Woods ancient woodland, if practicable. Any required widening will be undertaken to the east, outside of the ancient woodland extent and will use no-dig construction methods
- B30: The extent of all works (including all excavation works) associated with the 132 kV PUB re-alignment, will be minimised as far as practicable within the unnamed ancient woodland referred to as North-east of Bladen's Wood
- B31: The working area for the temporary haul road will be micro-sited to avoid the 15 m ancient woodland buffer ~~root protection area~~ where practicable from the edge of Lodgefield Row ancient woodland. Any required works within the 15m buffer will use no-dig construction methods
- B32: Commitment to remove / minimise impacts on Lodgefield Row ancient woodland through detailed design of the 400 kV overhead line, including only coppicing where absolutely necessary for electrical clearance
- B33: The working area for the PI-Route 132 kV mitigation works and pulling location for pylon RG188, will be micro-sited to avoid the 15 m ancient woodland buffer~~root protection area~~ from Middle Wood (Offton) ancient woodland
- B34: The working area for the permanent access road leading to Wenham Grove Cable Sealing End (CSE) compound will be micro-sited to avoid the 15 m ancient woodland buffer~~root protection area~~ for Wenham Grove ancient woodland
- B35: The extent of all works associated with the 33 kV overhead line dismantling and undergrounding, will be minimised as far as practicable within Bushey Grove

ancient woodland. Precise excavation methods will be used when excavating within the woodland and its 15 m buffer.

Woodland Demarcation

3.8.8 Ancient woodlands can be difficult to identify without ecological expertise in woodland identification and could be mistaken for a woodland which is not classified as irreplaceable habitat.

3.8.9 It's important that all site operators are aware when there is ancient woodland within 15 m of the Project. Daily site briefings can help to negate the risk of a site operative accidentally breaching an ancient woodland buffer ~~15 m buffer~~, but clear demarcation which marks the boundary of the woodland with definitive signage is an extra precautionary measure that National Grid has committed to undertaking to confidently ensure the ~~buffer~~ ancient woodland buffer is not breached. This will be constructed of self-supporting Heras fencing (or similar), so that it does not penetrate the ground to avoid damage to ~~the woodland RPA.~~the potential rooting area of the woodland.

3.8.10 To prevent inhibiting the free movement of mammals to and from the woodland, fencing will only be installed on the side of the woodland which faces the Order Limits. Fencing will also be installed with minimum of 15-20 cm gap at the base to allow for continued movement of small mammals during construction.

3.8.11 All ancient woodlands requiring demarcation have been identified within Table 3.6. In some instances, there may be vegetation, which is adjacent or connected to the woodland, that is not part of the ancient woodland site boundary; the Project will take a case-by-case approach on whether the whole area of vegetation will be demarcated or only the ancient woodland area. This decision on the extent of demarcation will be determined jointly by the ArbCoW and ECoW and informed by the pre-construction surveys.

Sensitive Construction Practices

3.8.12 Where works within the 15 m ancient woodland buffer cannot be avoided, sensitive construction practices will be adopted, such as:

- **Micro-siting,** in construction this refers to the fine-tuning or adjustment of the exact location of infrastructure, equipment, or project components within a pre-defined area to account for local conditions and minimise impacts. It involves precise decision-making based on real-time observations and assessments of the site, often in response to unexpected challenges or features encountered during construction
- **Non-excavation techniques,** in construction this refer to methods that minimise or entirely avoid the need for traditional soil excavation, they reduce soil disturbance, erosion, and damage to root systems or underground features. There are different methods to this, such as:
  - **No-dig path construction:** Haul roads or access routes are constructed without excavating the soil by using materials that sit directly on the surface. It works by laying geotextiles, cellular confinement systems, or permeable membranes on the ground to distribute weight and protect the soil. Aggregates, recycled materials, or other load-bearing surfaces are then placed on top

- **Delicate or precise excavation methods** are used when ground-breaking works cannot be avoided and seek to minimise disruption to the soil such as:
  - **Use of an air lance or air spade:** This provides a concentrated air flow in a high velocity stream jet which penetrates and dislodges the soil without damage to roots. An air compressor is used to power the lance/spade. An experienced operator will be able to effectively dislodge the soil around the roots for removal. This method may be used with a vacuum excavation wagon which is a method of removing small amounts of soil or debris using suction rather than digging in accordance with clause 7.2.1 of BS 5837:2012. The soil displaced during excavation can be stored to use later for reinstatement activities. It can be used for precise excavation near tree roots, utility lines, or archaeological features.

Vegetation Pruning

3.8.13 A visibility splay is a clear, unobstructed area at the junctions or intersections of haul roads or primary access routes. Vegetation pruning is often a necessary requisite along a visibility splay to allow for safe vehicular access and manoeuvring. Vegetation pruning may also be necessary in areas where there are third-party mitigation works to existing assets required to facilitate the Project. All pruning of ancient woodland is assessed on a case-by-case basis and avoided where practicable and will be all supervised by a suitably qualified ArbCoW.

Soil Contamination

3.8.14 Contamination to the ground soil within the rooting environment ~~an~~ of ancient woodland~~'s~~ ~~RPA~~ will be avoided through standard mitigation measures as outlined in ES Chapter 8: Ecology and Biodiversity (document reference 6.8) (Revision B) and the Outline CoCP (document reference 7.2) (Revision F~~C~~).

Additional Mitigation

3.8.15 Additional mitigation is mitigation that is bespoke, it relates to a particular construction elements as detailed in Table 3.1 and is only applied to ancient woodland sites where there are direct impacts to either the woodland or land within 15 m that may negatively impact the woodland structure or ~~RPA~~potential rooting area.

3.8.16 Table 3.6 discusses each ancient woodland in turn and the standard or additional mitigation measures proposed in line with the above approach. The locations of these ancient woodlands are shown on Figure B.A.2 (Revision B) in Annex A.

Table 3.6 Mitigation measures on affected ancient woodlands

Project Section	Woodland Name	Pathway to Impact	Mitigation
B	Round Wood	Excavation works are required for UKPN 132 kV to remove the reinforced concrete foundation of pylon PHB30 to 1.2 m below ground level in the north-eastern corner of the woodland.	**Supervision:** All excavation works within 15 m of the woodland will be supervised by the Arboricultural Clerks of Works (ArbCoW). **Micro-siting:** The works area will be reduced as far as practical within the woodland, using the adjacent arable fields instead of the woodland. **Working methods:** Where feasible, any steel work will be broken up outside of the woodland to reduce disturbance and prolonged presence of heavy plant and machinery within the 15 m buffer. **Precise excavation methods:** Robust machinery will be required to break up the concrete foundation and therefore techniques such as hand-digging are not appropriate. To remove the concrete foundation, the excavation will need to extend slightly around its periphery. Whilst there is not expected to be prominent root structures immediately adjacent to PHB30, any excavation not involved with the breaking of concrete will use small machinery under supervision of the ArbCoW **Soil Storage:** Disturbed topsoil (with ancient woodland ground flora seed stock) will be stored separately to other soil piles, clearly demarcated with signage, and carefully reinstated upon the removal of the concrete foundation to return the woodland ground flora seed bank. **Demarcation:** The Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary. **Replacement planting:** On removal of the existing pylon from the woodland, the default approach will be to allow natural regeneration within the resulting gap. Supplementary planting of tree saplings of species' which supports the same or similar biodiversity will only be undertaken where it can be clearly demonstrated that this will deliver a net-benefit to the woodland over natural regeneration, taking into account the sensitivity of soils and RPArooting environment.~~planted within the gap.~~ The woodland ground flora would be expected to establish naturally from the existing seed bank, and therefore no specific ground flora planting is proposed.

Project Section	Woodland Name	Pathway to Impact	Mitigation
B	Lodgefield Row	Approximately 0.07 ha of upper canopy trees within the ancient woodland will be managed (topping or coppicing) to facilitate the 400 kV overhead line. No impact to ancient woodland ground flora, soil and understorey is expected. Excavation works and vegetation clearance (albeit minor) 12 m from the woodland to facilitate construction of a temporary haul road.	**Supervision**: All excavation works within 15 m of the woodland, and all management of trees will be supervised by the Arboricultural Clerks of Works (ArbCoW). **Micro-siting:** The works area for the temporary haul road will be reduced as far as practicable within 15 m of the woodland, using the adjacent arable fields for storage of heavy plant and machinery during haul road construction. No material stockpiling will be permitted within 15 m of the woodland. At detailed design the haul road will consider the presence of ancient woodland as a key constraint and will aim to move the haul road further east from its current alignment to outside the 15m buffer. The works area for the 400 kV overhead line will be reduced as far as practicable within the woodland. **Working methods:** The working area for the temporary haul road will be micro-sited to avoid the 15 m ~~root protection area~~ancient woodland buffer where practicable from the edge of Lodgefield Row ancient woodland. Any required works within the 15m buffer will use no-dig construction methods (commitment B31 in the Outline CoCP (document reference 7.2 (Revision F~~C~~)). Impacts associated with the 400 kV overhead line will be minimised by only coppicing trees where absolutely necessary for electrical clearance (commitment B32 in the Outline CoCP (document reference 7.2) (Revision ~~C~~F))). **Replacement planting:** Whilst trees and shrubs beneath the overhead line would be expected to regenerate from coppiced stools, the default approach will be to allow this natural regeneration to establish. ~~t~~The Project ~~will~~ may provide compensatory planting of native understorey shrub species if the extent of edge coppicing is deemed to increase risk of windthrow susceptibility for interior woodland trees, and where it can be clearly demonstrated that this will deliver a net-benefit to the woodland over natural regeneration, taking into account the sensitivity of soils and ~~RPA~~rooting environment. Deer protection will be added to all coppiced stools to ensure no failure in re-growth due to excessive browsing pressure. **Demarcation:** The Project will demarcate the edge of the ~~woodland RPA~~ancient woodland buffer to ensure no accidental encroachment during haul road

Project Section	Woodland Name	Pathway to Impact	Mitigation
			construction. The edge of the 28 m working area for overhead line vegetation management will be demarcated to ensure no accidental encroachment further into the woodland.
B	Bushey Grove	Approximately 0.25 ha of Bushey Grove is within the Order Limits to facilitate the dismantling and subsequent undergrounding of c. 97m of a third-party 33 kV overhead line. Underground cabling will require excavation (albeit minor) directly underneath the footprint of the current alignment. Excavation works will be required to remove the reinforced concrete foundation of existing towers to 1.2 m below ground level.	**Supervision:** All excavation works within 15 m of the woodland will be supervised by the Arboricultural Clerks of Works (ArbCoW). **Micro-siting:** Works areas will be located outside the woodland and where practicable outside the 15 m ancient woodland buffer ~~RPA~~ (commitment B35 in the Outline CoCP (document reference 7.2) (Revision FC~~)~~). **Working methods:** Use of precise construction methods, when excavating within the woodland and its 15 m buffer (commitment B35 in the Outline CoCP (document reference 7.2) (Revision ~~C~~F~~)~~). **Soil Storage:** Disturbed topsoil (with ancient woodland ground flora seed bank) will be stored separately to other soil piles, clearly demarcated with signage, and carefully reinstated within the woodland area disturbed by the works. **Demarcation:** the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary. **Replacement planting:** No tree loss is likely as the woodland is managed around the existing overhead line. The woodland ground flora would be expected to establish naturally from the existing seed bank, and therefore no specific ground flora planting is proposed.
B	Miller's Wood	Miller's Wood is situated within a visibility splay and therefore additional mitigation is proposed to minimise impact from de-vegetation works. As the splay is situated on a pre-existing road, it is expected that there is likely already some degree of	**Supervision:** All works within 15 m of the woodland will be supervised by the ArbCoW **Working methods:** National Grid have committed to only managing trees/vegetation from the southern side of Bullen Lane as part of the visibility splay (commitment B24 in the Outline CoCP (document reference 7.2) (Revision FC~~)~~). This means that vegetation management for the visibility splay will only occur on the other side of the road from the ancient woodland and will have no direct impact on the ancient woodland. Light pruning of the trees that overhang Bullen Lane from

Project Section	Woodland Name	Pathway to Impact	Mitigation
		roadside management of vegetation in-place.	the woodland may be required but this is considered in line with existing highway management works.
B	Middle Wood (Offton)	Following an extension to the ancient woodland boundary, ancient woodland is now adjacent to the works area for third-party mitigation to dismantle an existing 132 kV overhead line (PI Route). The woodland is also 8 m east of the pulling location for the proposed location of 400 kV pylon RG188, and over 100m from the proposed location for the pylon.	**Micro-siting:** The works area for the PI-Route mitigation and pylon RG188 pulling location will consider the presence of ancient woodland as a key constraint, reducing the size of the works area within 15 m of the woodland as far as practicable (commitment B33 in the Outline CoCP (document reference 7.2) (Revision FC)). No material stockpiling or storage of heavy plant and machinery will be permitted within 15 m of the woodland. **Demarcation:** The Project will demarcate around the edge of the construction work area to ensure no works encroach into the 15 m ~~RPA.~~ancient woodland buffer.
C	Wenham Grove	The works area for a permanent access road leading to Wenham Grove CSE compound is located 12 m from the woodland. Supplementary tree planting for mitigation and BNG enhancement will require breaking ground within the woodland and within 15m (albeit minor).	**Supervision:** All works that break ground within 15 m of the woodland will be supervised by the Arboricultural Clerks of Works (ArbCoW). **Micro-siting:** The works area for the permanent access road will be reduced as far as practicable within 15 m of the woodland (commitment B34 in the Outline CoCP (document reference 7.2) (Revision FC)). **Woodland enhancement:** At detailed design, the presence of Wenham Grove ancient woodland will be a key consideration when finalising planting and enhancement plans. Enhancement within Wenham Grove will prioritise natural regeneration and appropriate management interventions, such as thinning where the woodland may be dense, as the default approach to enhance woodland structure and composition. Accordingly, supplementary planting of native trees and shrubs within the woodland will only be taken forward where it can be demonstrated to deliver a clear net ecological benefit, taking into account the sensitivity of soils and ~~RPA~~rooting environment.

Project Section	Woodland Name	Pathway to Impact	Mitigation
			Precise excavation methods: as the excavation which may be required to plant trees and hedges are minor, hand tools and only small machinery are proposed within the woodland (where appropriate and justified) and 15 m ancient woodland buffer ~~its RPA~~ to protect root structures. **Demarcation:** The Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary.
D	Horkesley Plantation	Drainage from a proposed permanent attenuation system would discharge into an existing drainage ditch located at the edge of Horkesley Plantation. identified, likely serving the adjacent arable field. The proposed works will required excavation, albeit minor, for outfall pipe installation. A 3 to 5 m works area requiring vegetation clearance is assumed as a worst-case scenario. Supplementary tree planting for mitigation and BNG enhancement will require breaking ground within the woodland and within 15m.	**Supervision:** All excavation works within 15 m of the woodland will be supervised by the Arboricultural Clerks of Works (ArbCoW). **Working methods:** Use of delicate or precise construction methods, such as an air spade, when excavating within the ~~woodland's 15 m~~15 m ancient woodland buffer. **Micro-siting:** The works area will be reduced as far as practicable within the woodland, using the adjacent arable fields instead of the woodland. The outfall location will be adjusted, as far as practicable, to minimise the loss of large trees and valuable ground flora. The works will make use of an existing opening in the woodland to avoid further encroachment into the woodland (commitment B27 in the Outline CoCP (document reference 7.2) (Revision FC)). **Woodland enhancement:** At detailed design, the presence of Horkesley Plantation ancient woodland will be a key consideration when finalising planting and enhancement plans. Enhancement within the woodland will prioritise natural regeneration and appropriate management interventions, such as thinning where the woodland may be dense, as the default approach to enhance woodland structure and composition. Accordingly, supplementary planting of native trees and shrubs within Horkesley Plantation will only be taken forward where it can be demonstrated to deliver a clear net ecological benefit, taking into account the sensitivity of soils and ~~RPA~~rooting environment. **Precise excavation methods**: as the excavation which may be required to plant trees and hedges, as well as install the outfall, are minor, only hand tools or small

Project Section	Woodland Name	Pathway to Impact	Mitigation
			machinery are proposed within the woodland (where appropriate and justified) and ~~it's RPA to~~15 m ancient woodland buffer to protect root ~~structures~~. **Soil Storage:** Disturbed topsoil (with ancient woodland ground flora seed bank) will be stored separately to other soil piles, clearly demarcated with signage, and carefully reinstated within the woodland area disturbed by the works. **Demarcation:** The Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary. **Replacement planting:** No tree loss is likely. The woodland ground flora would be expected to establish naturally from the existing seed bank, and therefore no specific ground flora planting is proposed.
D	North-west of Great Horkesley	A 6 m long stretch of the haul road is 17 m from the woodland boundary in the current Project design. The 12 m swathe of vegetation removal associated with this haul road encroaches by 4 m into the ~~woodland root protection area (RPA)~~15 m ancient woodland buffer. Temporary attenuation drainage and outfall LoD is 10 m from the woodland boundary, but the drainage is 20 m from the boundary in the current Project design. The 400 kV underground cable LoD is 10 m from the woodland boundary, and 70 m	**Micro-siting:** The 6 m length of haul road which is within the 15 m ancient woodland buffer ~~woodland RPA~~ will be moved 4 m north to avoid breaking ground within 15 m of the woodland boundary, and the LoD for the SuDs will be restricted. No stockpiling of materials will be permitted within 15 m of the woodland. At detailed design the haul road, attenuation drainage and underground cable will consider the presence of ancient woodland as a key constraint (restriction in LoD) (commitment B28 in the Outline CoCP (document reference 7.2) (Revision FC~~)~~). **Demarcation:** The Project will demarcate the edge of the ~~woodland RPA~~15 m ancient woodland buffer to ensure no accidental encroachment.

Project Section	Woodland Name	Pathway to Impact	Mitigation
		away in the current Project design.	
D	Stonefield Strip (LWS)	Stonefield Strip is 12 m at its closest point from the haul road buffer and 15 m from haul road construction itself.	**Supervision:** All works within 15 m of the woodland will be supervised by the ArbCoW. **Micro-siting:** at detailed design the overhead line will consider the presence of ancient woodland as a key constraint (restrictions within the LoD) and the 15 m buffer from the woodland will be avoided where practicable. The haul road and associated working area is to be restricted to outside the 15 m buffer from the ancient woodland (Project commitment). The edge of the 15 m ancient woodland buffer would be demarcated to ensure no accidental (commitment B21 in the Outline CoCP (document reference 7.2) (Revision FC)). **Demarcation:** the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary.
E	Rivenhall Thicks	Existing 33 kV pole on corner of woodland requires dismantling. No additional tree loss anticipated as vegetation already managed under existing line. Short-term minimal impact to shrub and ground flora within the ancient woodland (at the base of the wood pole) during removal works. The proposed works within the RPA 15 m ancient woodland buffer of Rivenhall Thicks will require excavation works, albeit minor, to dismantle and underground a	**Supervision:** All excavation works within 15 m of the woodland will be supervised by the ArbCoW **Micro-siting:** the works area will be reduced as far as practical within the woodland, using the adjacent arable fields instead of the woodland. Where there is less than 15 m between the woodland and haul road works area, this land would be excluded from being utilised for soil storage or drainage, resulting in no direct impacts on the woodland. For the works area for the undergrounding of the 33 kV overhead line, works will seek to minimise extent of excavations within the 15 m buffer and heavy plant and machinery will only be present within the 15 m ancient woodland buffer for the duration of use, storage of plant and machinery overnight will be prohibited in these areas. **Working methods:** where there is less than 15 m between the woodland and haul road itself, the Project will use no-dig construction methods along the 100 m section to minimise impact to RPAwithin the 15 m ancient woodland buffer (commitment B25 in the Outline CoCP (document reference 7.2) (Revision FC)). The impacted areas of the woodland RPAancient woodland buffer would be at

Project Section	Woodland Name	Pathway to Impact	Mitigation
		pre-existing third-party overhead line (33 kV). A short section of temporary haul road is 10 m from woodland edge, ~~-~~and so within 15 m of the woodland's northern edge.	minimum 12 m away and therefore secondary impacts from soil compaction are considered low. **Precise excavation methods:** as the excavation works required to underground the 33 kV cable are considered minor, small machinery only is proposed within the ~~woodland RPA~~15 m ancient woodland buffer to protect root structures. The long-term impact of underground cabling within the ~~RPA~~ ancient woodland buffer are considered low as it is such a small cable/ area. **Demarcation:** the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary.
Mann / Parson's Wood	Section E / F	The ancient woodland boundary for Mann/ Parson's Wood has changed due to revisions to the AWI in July 2025, particularly on the eastern edge of the woodland which was previously adjacent to the Order Limits. The ancient woodland is now approximately 25 m from the Order Limits at its closest point. No direct impact / loss of woodland is expected.	No site-specific standard / additional mitigation is required for Mann / Parson's Wood ancient woodland besides National Grid's overarching commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached[5].
F	Edney Woods	A 30 m section of temporary haul road would be located within the ancient woodland;	**Supervision:** All excavation works within 15 m of the woodland will be supervised by the ArbCoW. If pruning of the mature oak to the west of the access track is required, this will also be under ArbCoW supervision.

[5] Mitigation is still in place to protect the Parson and Queens Wood LWS adjacent to the Order Limits (Commitment B20 in the Outline Code of Construction Practice (document reference 7.2) (Revision C).

Project Section	Woodland Name	Pathway to Impact	Mitigation
		this haul road would use an existing access track. The access track is approximately 4 m in width at its narrowest point and widens into two 10 m bellmouth junctions to the north and south. It is formed of bare ground and overlaid with fine shingle / gravel. A temporary SuDS would be 10 m south-east of the woodland.	**Micro-siting:** The works area will be reduced as far as practicable within the woodland, using the adjacent arable fields for storage of heavy plant and machinery during haul road construction. No material stockpiling will be permitted within 15 m of the woodland. At detailed design the haul road and associated SUDS will consider the presence of ancient woodland as a key constraint, and the locations of any SUDs will be moved to outside the 15 m ~~woodland RPA~~ancient woodland buffer. **Working methods:** The existing track through Edney Woods would be used for the haul road, if practicable (commitment B29 in the Outline CoCP (document reference 7.2~~)~~) (Revision F~~C~~)). **Precise excavation methods:** as the excavation which may be required to remove a small number of trees are minor, only small machinery are proposed within the ~~woodland RPA~~15 m ancient woodland buffer to protect root structures. The long-term impact of underground cabling within the ~~RPA~~ ancient woodland buffer is considered low as it is such a small cable/ area. **Soil Storage:** Disturbed topsoil (with ancient woodland ground flora seed bank) will be stored separately to other soil piles, clearly demarcated with signage, and carefully reinstated upon the removal of any temporary features to return the woodland ground flora seed bank. **Demarcation:** the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary. **Replacement planting:** No tree loss is likely. The woodland ground flora would be expected to establish naturally from the existing seed bank, and therefore no specific ground flora planting is proposed.
F	Sheepcote's Wood	A construction works area for utility connection is 4 m from the woodland at one specific point	**Supervision:** All works within 15 m of the woodland will be supervised by the ArbCoW **Micro-siting:** standard work areas to install utility connection (for flexibility only) to temporary construction compounds will avoid the 15 m ancient woodland buffer ~~from the woodland~~. No works will be undertaken within 15 m of the ancient

Project Section	Woodland Name	Pathway to Impact	Mitigation
			woodland (commitment B22 in the Outline CoCP (document reference 7.2) (Revision FC)). **Working methods:** any heavy plant / machinery will be restricted to only being within 15 m of the woodland for as short a period as possible to avoid soil compaction. **Demarcation:** the Project will demarcate the woodland area to ensure no works encroach into the ~~woodland RPA~~15 m ancient woodland buffer.
F	Writtle – Writtlepark Wood	Excavation works are necessary as part of the dismantling of existing 11 kV overhead line and subsequent undergrounding 4 m into the woodland. Removal of wood pole will cause minimal temporary loss of shrubs and ground flora within the woodland and undergrounding will only extend 4 m into the woodland where the trees are already managed due to the presence of the existing line.	**Supervision:** All excavation works within 15 m of the woodland will be supervised by the ArbCoW **Micro-siting:** the works area will be reduced as far as practical within the woodland, using the adjacent fields for works area **Working methods:** any heavy plant/ machinery will be restricted to only being within 15 m of the woodland for as short a period as possible to avoid soil compaction. Storage of plant and machinery will be prohibited in these areas. **Precise excavation methods:** as the excavation works required to underground the 11 kV cable are considered minor, only small machinery are proposed within the ~~woodland RPA~~ woodland and 15 m ancient woodland buffer to protect root structures. The long-term impact of underground cabling within the ~~RPA~~ woodland are considered low as it is such a small cable/ area. **Soil Storage:** disturbed topsoil and seed stock will be stored separately to other soil piles, clearly demarcated with signage, and carefully reinstated upon the removal of the foundation to return the woodland ground flora seed bank. If soil is stored for longer than one~~1~~ day, or if works are being undertaken in spring / summer when temperatures are milder and there has been a lack of rainfall for over five consecutive days, soil heaps will be covered in shade cloths or, where practicable, in areas where there is sufficient natural shade. This is to prevent drying out of soil and seedstock, which could encourage pioneering and competitive grass / weed species to propagate and outcompete ancient woodland ground flora making reinstatement unsuccessful.

Project Section	Woodland Name	Pathway to Impact	Mitigation
			Demarcation: the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary. **Replacement planting:** On removal of the existing wood pole and undergrounding of the 11 kV cable from the woodland, the default approach will be to allow natural regeneration within the resulting gap. ~~s~~Sweet chestnut and hornbeam tree saplings will only be planted where it can be clearly demonstrated that this will deliver a net-benefit to the woodland over natural regeneration, taking into account the sensitivity of soils and ~~RPA~~rooting environment. ~~.within the gap. The~~The woodland ground flora would be expected to establish naturally from the existing seed bank, and therefore no specific ground flora planting is proposed.
G	Clapgate Wood	Excavations works within 15 m of the woodland (12 to 15 m away) is required to underground cabling for a third-party 11 kV overhead line mitigation.	**Supervision:** All excavation works within 15 m of the woodland will be supervised by the ArbCoW **Micro-siting:** where feasible, works areas will be located outside the ~~woodland RPA.~~ 15 m ancient woodland buffer. A standard working area of 25 m has been applied across the Project for 11 kV works, this works area lies adjacent to the woodland at its closest point. However, due to the small-scale of the 11 kV underground cable works, this will be minimised to be either outside 15 m buffer completely or at least 12 m away to minimise impacts. **Working methods:** any heavy plant / machinery will be restricted to only being within 12 to 15 m of the woodland for as short a period as possible to avoid soil compaction. The storage of plant and machinery will be prohibited in these areas. **Precise excavation methods:** as the excavation works required to underground the 11 kV cable are considered minor, only small machinery are proposed within the ~~woodland RPA~~15 m ancient woodland buffer to protect root structures. The long-term impact of underground cabling within the ~~RPA~~ 15m ancient woodland buffer are considered low as it is such a small cable/ area. **Demarcation:** the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary.
G	Botneyhill Wood	The western corner of the woodland is approximately 9	**Supervision:** All works within 15 m of the woodland will be supervised by the ArbCoW (if cannot be completely avoided).

Project Section	Woodland Name	Pathway to Impact	Mitigation
		m from the haul road works area. The woodland is separated from the haul road by the existing Chase Farm Road, which may already have minimised the ~~RPA~~ potential rooting area of the woodland.	**Micro-siting:** at detailed design the haul road will consider the presence of ancient woodland as a key constraint and the 15 m ancient woodland buffer from the woodland will be avoided where practicable. The haul road working area currently lies within the 9 to 15 m buffer from the woodland, this area would be excluded from being utilised for soil storage or drainage (commitment B23 in the Outline CoCP (document reference 7.2) (Revision FC~~)~~). No direct impacts to the roots within the ~~RPA anticipated~~15 m ancient woodland buffer are anticipated. **Working methods:** if works cannot be micro-sited outside the 15 m ancient woodland buffer ~~RPA~~, any heavy plant / machinery will be restricted to only being within 15 m of the woodland for as short a period as possible to avoid soil compaction. The storage of plant and machinery will be prohibited in these areas. **Demarcation:** the Project will demarcate the edge of the works area to ensure no works encroach into the ~~woodland RPA.~~15 m ancient woodland buffer.
G	North-east of Bladen's Wood	The existing third-party 132 kV overhead line (UK Power Networks PUB line), which currently crosses the ancient woodland at its narrowest point, will be temporarily realigned eastward to span the woodland's corner. Following this, the line will be decommissioned and replaced with a permanent overhead alignment situated approximately 15 metres west of the original route. Trees underneath the new alignment will require ongoing management to ensure	**Supervision:** All works within 15 m of the woodland will be supervised by the ArbCoW **Micro-siting:** works areas will be located outside the woodland and where practicable outside the ~~woodland RPA~~15 m ancient woodland buffer (commitment B30 in the Outline CoCP (document reference 7.2) (Revision FC~~)~~). **Working methods:** the existing access route used for maintenance of the UKPN line will be used for the modification works. Any heavy plant / machinery will be restricted to only being within the woodland for as short a period as possible, such as only for the duration of use, and storage of plant and machinery overnight will be prohibited within the woodland and the~~a~~ 15 m ancient woodland buffer. **Soil Storage:** Disturbed topsoil (with ancient woodland ground flora seed stock) will be stored separately to other soil piles, clearly demarcated with signage, and carefully reinstated to return the woodland ground flora seed bank. **Demarcation:** the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary.

Project Section	Woodland Name	Pathway to Impact	Mitigation
		electrical clearance is maintained between the trees and line.	**Replacement planting:** It is anticipated that trees and shrubs that were beneath the overhead line would regenerate from the coppiced stools with measures implemented to protect from deer browsing. The trees and shrubs beneath the new alignment of the overhead line would be regularly coppiced in a similar manner to the existing line and no new planting should be required.
G	Little Bladen's Wood	The modification of existing Pylon PUB40 within the northern fringe of the woodland will result in a construction works area within 15 m of woodland but no excavation.	**Supervision:** All works within 15 m of the woodland will be supervised by the ArbCoW **Micro-siting:** works areas will be located outside the woodland and where practicable outside the ~~RPA~~15 m ancient woodland buffer. **Working methods:** the existing access route used for pylon maintenance will be used for the modification works. Any heavy plant / machinery will be restricted to only being within 15 m of the woodland for as short a period as possible, such as only for the duration of use and storage of plant and machinery overnight will be prohibited in these areas. The works are considered minimally invasive to the woodland with no direct impact. **Demarcation:** the Project will demarcate around the edge of the construction work area to ensure no works encroach further into the woodland than is necessary.

4 Conclusion (Ancient Woodland)

4.1.1 This strategy has sought to detail the potential impact pathways associated with ancient woodland parcels along the Project route and has identified any necessary mitigation measures (embedded, standard and/or additional) that are required as per the mitigation hierarchy to ensure no long-term impacts on ancient woodland are encountered because of the Project.

4.1.2 Potential impacts (excavation and non-excavation), in the absence of mitigation, were identified at 17 ancient woodland parcels (ten within ancient woodlands themselves and seven within the 15 m ~~buffer RPA~~ancient woodland buffer).

4.1.3 Specific Project commitments have been made as standard mitigation, to remove impacts to ancient woodlands. As a result of these Project commitments impacts associated with seven ancient woodlands have been completely removed (Middle Wood (Offton), Stonefield Strip, Sheepcote's Wood, Wenham Grove, Botneyhill Wood, North-west of Great Horkesley and Millers Wood). No works will be undertaken (in line with Project commitments B21 to B24, B28, B33 and B34 set out within the Outline CoCP (document reference 7.2) (Revision F~~C~~)) within or within 15 m of these ancient woodlands.

4.1.4 While impacts have been minimised where practicable, complete removal of impacts to ten ancient woodlands are unavoidable, as the proposed works relate to either:

- The removal, undergrounding or modification of existing third-party infrastructure (11 kV, 33 kV, 132 kV), with the existing assets already located within the associated woodland or 15 m ~~RPA~~ ancient woodland buffer (Bushey Grove (Section B), Round Wood (Section B), Rivenhall Thicks (Section E), Writtle-Writtlepark Woods (Section F), North-east of Bladen's Wood (Section G), Little Bladen's Wood (Section G) and Clapgate Wood (Section G))
- The use of an existing feature to be used by the Project, such as an existing drainage ditch or existing track (Horkesley Plantation (Section D) and Edney Woods (Section F)), or
- The implementation and maintenance of sufficient electrical clearance associated with the 400 kV overhead line, the alignment of which is constrained by other ancient woodland to the east (Lodgefield Row (Section B)).

4.1.5 Horkesley Plantation (Section D), and an additional ancient woodland known as Wenham Grove (Section C), will also be subject to woodland enhancement measures associated with the landscape proposals at the relevant Environmental Area. This adjacent woodland planting and enhancement of the woodlands are ~~is~~ expected to deliver a long-term significant benefit to the woodlands at Wenham Grove (Section C) and Horkesley Plantation (Section D).

4.1.6 Mitigation measures associated with these sites have been proposed to ensure no significant long term residual effects on ancient woodland are encountered as a result of the Project (commitments B25, B27, B29, B30-B32, and B35 to be set out within the Outline CoCP (document reference 7.2) (Revision F~~C~~)).

4.1.7 Rainbow Wood and Ashen Shaw is affected by the LTC project. The Norwich to Tilbury Project will have no direct effects on Rainbow Wood and Ashen Shaw ancient woodland, the Project will affect the area of proposed the LTC Development Consent Order mitigation planting. An alternative tree planting area has been included within the Project Order Limits, which will provide space for this ancient woodland mitigation to be undertaken by LTC adjacent to the retained areas of Rainbow Wood LWS. Management of any replacement ancient woodland compensatory replanting will be undertaken pursuant to the management regime contained in LTC's control documents.

5 Veteran Trees

5.1 Introduction to Veteran Trees

5.1.1 This section is a preliminary assessment and contains measures which could be implemented on an outline basis. The Outline LEMP (document reference 7.4) (Revision FD) will be fully developed based on detailed design and construction methodology information to be provided by the Main Works Contractor(s). The Final LEMP and associated Ancient Woodland and Veteran Tree Strategy will detail which measures have been agreed with relevant landowners and are therefore implementable and proportionate to the impacts attributed to the final detailed design of the Project.

5.1.2 This section focuses on the veteran trees surveyed and identified for retention within the Order Limits, together with veteran trees located outside of the Order Limits that may be impacted based on their calculated buffer RPA, and the following items to be addressed include:

- The hierarchy to avoid, minimise, rectify, and compensate
- Trees identified for removal/management
- Compensation for veteran trees being removed/ managed
- Management options i.e. soil decompaction, exclusion fencing/zones, deadwood management, and veteranisation of other trees
- Mitigation methods, remediation works, and monitoring.

5.1.3 The RPA for veteran trees is defined in accordance with Natural England and Forestry Commission Standing Advice (2022)[6] as a precautionary buffer extending to a radius of at least 15 times stem diameter at breast height (DBH), or 5 metres beyond the canopy edge (whichever is greater), within which soil disturbance and harmful activities must be avoided to prevent deterioration of the tree and its rooting environment.

5.2 Limitations and Exclusions

5.2.1 The intention of this section of the Ancient Woodland and Veteran Tree Strategy is to outline actionable measures that are achievable and measurable which may require agreement with landowners to deliver. Therefore, the options to deliver as part of a compensation package are considered based on the practicalities of implementing such measures in collaboration with the landowners. Subject to landowner agreements further enhancements could be explored to incorporate in a Final Strategy.

[6] Natural England and Forestry Commission, *Ancient woodland, ancient trees and veteran trees: advice for making planning decisions* (Standing Advice, updated 14 January 2022), GOV.UK.

5.2.2 Based on the existing overhead line alignments without considering the LoD this is an initial assessment of veteran tree removals and impacts, and all attempts should be made during detailed design to retain veteran trees where practicable (see commitment B18 in the Outline CoCP (document reference 7.2) (Revision FC)).

5.3 Mitigation Hierarchy

5.3.1 Table 5.1 outlines the order of hierarchy priorities for veteran trees. Each veteran tree within the Order Limits has been assigned a hierarchy category from the below list. All veteran trees within the Order Limits and the associated primary outcome are listed out in Annex D.

5.3.2 Remedial works under the 'Rectify' heading should be used in all instances where a veteran tree is affected by the Project but are subject to agreements between National Grid, and the relevant landowners and the Local Planning Authority.

Table 5.1 Mitigation hierarchy

Order of Hierarchy	Outcome
Avoid	• Design refined to avoid buffer zonesthe RPA of veteran trees. • Protective measures during construction (as set out in the Outline CoCP (document reference 7.2) (Revision CF)) to ensure health and vitality of trees is maintained, addressing the rooting and above-ground environments of trees, together with ongoing monitoring and maintenance for the duration of construction. Protective measures may include construction methodologies, micro-siting, use of fencing to exclude construction traffic from buffer zones
Minimise	• Same protective measures as above, as well as ground, stem and limb protection. Assumes that avoidance is not possible and protective measures will not fully mitigate impacts. • May include targeted facilitation pruning, so as to minimise uncontrolled damage to above ground components of trees. Pruning techniques adopted for veteran trees will be in accordance with best practice,(i.e. coronet cuts, retrenchment pruning, fracture pruning) as to be advised by Project Arboriculturist / ArbCoW • Where excavation within the RPA occurs, where practicable consideration will be given to the use of low impact methods of excavation (i.e. vacuum excavation, air spade, directional drilling) • Where excavation within buffer zones occurs, RRoot pruning / severance may be specified to minimise uncontrolled damage caused unintentionally during the process (to be specified by Project Arboriculturist / ArbCoW)
Rectify	• Will primarily focus on post construction remediation works (i.e. soil improvements, competition removal, halo pruning) to be specified by Project Arboriculturist / ArbCoW • Remedial pruning works may be required following unforeseen mechanical damage during construction. Pruning to be specified by the Project Arboriculturist / ArbCoW

Order of Hierarchy	Outcome
Compensate	●● Where avoid, minimise or rectify are not suitable options then suitable compensation is required. Different compensation options are available and should be specified on a ~~case by case~~case-by-case basis by the Project Arboriculturist / ArbCoW. These may include but are not limited to the below and may be used in conjunction with each other: ●● Phased tree surgery appropriate for tree species and subject to individual tree assessments. ●● Veteranisation of nearby mature trees to maintain habitat continuity. ●● Genetic Conservation: To preserve the genetic heritage of the veteran trees identified for removal, seeds could be collected before any clearing begins (generally between September and November). This seed collection would focus on gathering a diverse range of native tree and understory species, ensuring that the genetic material from the original tree can be used for propagation in the new planting areas, thereby maintaining a direct ecological link to the lost habitat. Sapling relocation where appropriate ●● Compensation Planting: Veteran trees are acknowledged as being irreplaceable, therefore full compensation is unachievable. Compensation Planting will include a combination of new planting, sapling relocation, seed bank for local provenance, and financial contributions to local tree planting organisations to plant and maintain new areas of planting off-site. • The Applicant commits to a compensation ratio of 30:1 for any removal of veteran trees and maintain and monitor compensation measures for 30 years.

5.4 Impacts to Veteran Trees

5.4.1 Annex D outlines the individual veteran trees/ groups within the Study Area and their associated impacts in relation to the Project.

5.4.2 Section 3.1 outlines impacts to ancient woodland, these impacts are also applicable to veteran trees.

Table 5.2 Definitions of Project activities

Project Activity	Definition
Excavations	Construction activities that break the soil surface.
Overhead Lines	Construction activities associated with the stringing and final strung locations of conductors.
Temporary Construction	All temporary access routes / haul roads, any works that will not remain post construction.

5.5 Veteran Tree~~s~~ to be Removed

5.5.1 ~~There are four veteran trees that have~~One veteran tree has been identified as requiring removal due to the Project. These are listed below in Table 5.3. ~~Veteran trees~~ The veteran tree to be removed will still provide essential habitats for the local flora and fauna. Where practical, after being felled, ~~each~~the tree should be laid as close as possible to ~~their~~ its original location ~~as possible~~, or near existing woodland to provide a deadwood habitat. ~~area~~. The material to be left should be as intact as is practicable.

~~5.5.1~~5.5.2 Where practical, the stump of the removed veteran tree will be retained in situ to prevent unnecessary disturbance to any associated ground flora and fauna.

Table 5.3 Veteran features to be removed

Feature ID	Species
~~T296~~	~~English oak~~
~~T328~~	~~English oak~~
~~T329~~	~~English oak~~
T566	English oak

~~5.5.2~~5.5.3 There are ~~15~~17 veteran trees and two veteran groups that have been identified for management/ pruning as per clearance requirements for the overhead line are shown in Table 5.4 below. Pruning specifications are to be confirmed and agreed with a suitably qualified arboriculturist, with ~~VetCert~~VETcert qualifications and undertaken to best industry standards i.e. BS 3998:2010. The trees identified for management/ pruning are listed in Table 5.4.

Table 5.4 Veteran trees to be pruned

Feature ID	Species	~~Buffer Zone~~Root Protection Area (m)
T61	English oak	15.75
T70	English oak	18.00
T107	English oak	18.00
T195	Field maple	14.00
T247	Ash	18.00
T286	English oak	16.50
T296	English oak	12.00
T319	English oak	19.50
T328	English oak	13.20
T390	English oak	16.50
T473	Field maple	15.30

Feature ID	Species	~~Buffer Zone~~Root Protection Area (m)
T759	English oak	18.00
T775	English oak	19.50
T782	English oak	23.25
T970	Hornbeam	13.50
T1064	English oak	24.75
T1113	English oak	18.00
VG404	Alder	24.75
VG406	English oak	0.00

5.6 Mitigation Methods

5.6.1 Specifications for fencing are outlined in Section 7.3 of the Outline LEMP (document reference 7.4) (Revision F~~D~~) and should be in accordance with clause 6.2 of BS 5387:2012. Barriers and / or ground protection will be used to safeguard RPA on site of veteran trees to be retained. A precautionary RPA has been provided around groups of trees with the RPA reflecting the maximum calculated extent. In accordance with clause 6.2.1.1 of BS 5387:2012, all barriers and ground protection will be installed prior to construction at each relevant location and remain in place until construction has ceased.

5.6.2 There are several commitments from National Grid directly relating to trees found in the Outline CoCP (document reference 7.2) (Revision F~~C~~) These commitments are set out below:

- GG06 - A record of condition will be carried out (photographic and descriptive) of the working areas that may be affected by the construction activities, including trees and hedgerows. This record will be available for comparison following reinstatement after the works have been completed to ensure that the standard of reinstatement at least meets that recorded in the pre-condition survey
- GG08 - Where features are to be retained where practicable), (including veteran trees, ancient woodland and high, medium and low value trees and hedgerows~~-~~), an appropriate protective area or protection mechanisms will be established using appropriate equipment or fencing and signage and will be inspected, repaired, and replaced as necessary
- GG14 - Following detailed design and prior to construction (of relevant parts of the Project), relevant surveys will be undertaken of arboricultural features that may be impacted or need to be removed to ensure any tree/ hedgerow removal is reduced as far as practicable
- GG18 - Appropriate site layout and housekeeping measures will be implemented by the Main Works Contractor(s) at all construction sites. This will include but not be limited to:

- Preventing pests and vermin control and treating any infestation promptly, including arrangements for the proper storage and disposal of waste produced on site
- Inspecting and collecting any waste or litter found on site
- Locating or designing site offices and welfare facilities to prevent the overlooking of residential properties except where otherwise agreed with the owner of the impacted property
- Locating designated smoking/vaping areas to avoid nuisance to neighbours
- Managing staff/vehicles entering or leaving site, especially at the beginning and end of the working day and for 24 hour working
- Managing potential off-site contractor and visitor parking to ensure they are safe
- Appropriate protection of existing vegetation and appropriate layout to avoid damage to existing vegetation.

- GG31 - Stockpiles, material storage, vehicle tracking, and soil bunds will be located away from trees and hedgerows, where practical, to ensure no damage occurs to these features and works remain outside of the ~~root protection zone~~Root Protection Area (RPA) of the features. Works that cannot be undertaken without entering into an ~~root protection zone~~RPA will be addressed in a bespoke way (within an Arboricultural Method Statement (AMS)) to ensure all appropriate measures are in place to protect the area (unless otherwise agreed with the relevant LPA)
- B07 - Construction Exclusion Zones (CEZ) will be established prior to construction to define working areas and ensure protection of retained habitats throughout the Project. A minimum buffer of 10 m (where practicable) will be retained around priority habitats (including watercourses) to reduce any potential direct or indirect effects on the habitats and species associated with them and the CEZ may need to be extended beyond 10 m for certain biodiversity receptors, such as woodlands and trees for example, to protect ~~root protection zones~~Root Protection Areas
- B08 - All hedgerows, shrubs, trees or dense vegetation will be retained as far as is practicable. Where these measures are not practicable and works are needed to be carried out during the bird breeding season, all areas to be affected will be checked by the ECoW for evidence of nesting birds 24 hours (as standard) prior to the vegetation modification or removal or tree felling works taking place. There may be some instances where 24 hours is not practical, therefore a maximum period of 48 hours is permitted with contractors having a duty of care to look out for birds prior to removal. If any active bird nests are discovered these will be given a minimum standoff of 5 m (this may increase depending on species, proposed works and location) where no potentially disturbing works will take place until the young have fledged and the nest is vacated. A second nesting bird check would then be undertaken to ensure the tree or vegetation does not contain any further active nests prior to felling or removal works taking place
- B19 - The Project is also committed to adopting a sustainable approach to development by proactively taking measures to ensure that the Project leaves the environment in a better condition than it was before development (including but

not limited to delivering 10% BNG with environmental and societal benefits). The Project will seek to provide strategic habitat enhancement and creation, aiming to identify and implement opportunities to improve habitat quality and connectivity and align with national nature recovery objectives and projects. Such measures may include specific habitat creation and enhancement measures and additional receptor-specific measures such as the creation of habitat piles and installation of bird and bat boxes.

5.7 Remediation Works

5.7.1 Once construction has been completed in a specific area surrounding the RPA of a retained veteran tree, remediation works should be agreed with the Project Arboriculturist. If required, remediation works should be undertaken with ArbCoW supervision to ensure that rooting conditions are favourable for the trees longevity.

- Remediation works may include the need for the following operations:
- Mulching
- Soil decompaction
- Soil improvement additives
- Halo pruning
- Remediation pruning
- Establishment of a permanent exclusion zone
- Installation of fencing or dead hedge
- Land management changes
- Companion/shelter planting
- Habitat creation.

5.7.2 Further assessment will be undertaken five years after initial intervention (e.g. pruning, remediation works) to veteran trees, in order to evaluate the trees' physiological response, structural condition, and continued management requirements.

5.8 Monitoring

5.8.1 To assess and ensure the effectiveness of the above remediation works, a monitoring programme extending for the 30 year~~w~~ period will be agreed and adopted by National Grid. The purpose of this is to assess the results of remediation works and adapt or amend as necessary on a case-by-case basis.

5.8.2 Due to the ecological significance of veteran trees, the monitoring programme will cover a ~~minimum of a~~ 30 ~~-~~year period which aligns with Paragraph 10.4.2 of the Outline LEMP (document reference 7.4) (Revision F~~D~~).

6 Conclusion (Veteran Trees)

6.1.1 A total of 112 trees and four groups have been surveyed within the Project Study Area as veterans. ~~Four~~ One~~individual~~ veteran tree~~s~~ require removal, while 17~~5~~ veteran trees and two veteran groups require crown management.

6.1.2 ATI veteran trees are expanded on in the AIA (document reference 6.13.A6).

6.1.3 Project commitments relating to veteran trees are listed within the Outline CoCP (document reference 7.2) (Revision F~~C~~) and shown in Table 6.1.

6.1.4 A list of veteran trees and their position within the hierarchy is shown in Annex D.

6.1.5 The final mitigation measures, remediation works and long-term monitoring are to be agreed at detailed design stage with the Project arboriculturist, ~~and the~~ relevant landowners and Local Planning Authorities on a case-by-case basis, and in line with the final LEMP(s).

6.1.6 All management options discussed for veteran trees need to be achievable and therefore will need landowner consent and agreement with National Grid.

6.1.7 Trees to be removed are to be left as close as possible to their original location as intact as practicable.

6.1.8 Trees identified for pruning in Section 5.6 would need to be undertaken by a suitably qualified arborist with ~~Vetcert~~ VETcert qualifications and experience in undertaking works on veteran trees.

6.1.9 Protection measures are to be in place prior to the commencement of construction or pre-construction works and require sign off by the Project Arboriculturist.

Abbreviations

Abbreviation	Definition
AC	Alternating Current
ArbCoW	Arboricultural Clerk of Works
AIA	Arboricultural Impact Assessment
AIS	Air Insulated Switchgear
AOD	Above Ordnance Datum
AONB	Area of Outstanding Natural Beauty
APFP	Applications: Prescribed Forms and Procedure
ATI	Ancient Tree Inventory (Woodland Trust)
BIS	Biodiversity Information Service
BNG	Biodiversity Net Gain
BS	British Standards
BT	British Telecommunications
CoCP	Code of Construction Practice
CSE	Cable Sealing End
CWS	County Wildlife Sites
DCO	Development Consent Order
DLL	District Level Licence
EACN	East Anglia Connection Node
EcOW	Ecological Clerk of Works
EIA	Environmental Impact Assessment
EN-1	Overarching National Policy Statement for Energy
EnvCoW	Environmental Clerk of Works
EPS	European Protected Species
FLAC	Forbes Laird Arboricultural Consultancy
FRAP	Flood Risk Activity Permit
GCN	Great Crested Newt
GIS	Gas Insulated Switchgear
HRA	Habitat Regulations Assessment

Abbreviation	Definition
INNS	Invasive, non-native species
kV	Kilovolt
LCA	Landscape Character Area
LCoW	Landscape Clerk of Works
LCT	Landscape Character Type
LEMP	Landscape and Ecological Management Plan
LoD	Limit of Deviation
LPA	Local Planning Authority
LTC	Lower Thames Crossing
LWS	Local Wildlife Sites
MoRPh	Modular River Physical
NG	National Grid
NSIP	Nationally Significant Infrastructure Project
NVC	National Vegetation Classification
OHL	Overhead Lines
OL	Order Limits
PRF- I	Preliminary Roost Features – Individual
PRF - M	Preliminary Roost Features – Maternity
PRoW	Public Rights of Way
RAMs	Reasonable Avoidance Measures
RPA	Root Protection Area
SAC	Special Areas of Conservation
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest
UG	Underground
UKHab	UK Habitat Classification Surveys
UKPN	UK Power Networks
VP	Vantage Point

Glossary

Term	Description
Additional mitigation	Additional mitigation refers to measures implemented beyond the initial Project design to further reduce or manage environmental impacts identified during the planning or construction phases. These measures are bespoke to the specific site and its unique constraints, ensuring they address the particular challenges and sensitivities of the location effectively.
Ancient woodland	Land that has been continually wooded since at least 1600 in England. Regarded as 'irreplaceable habitat' in national planning policy and guidance. Ancient woodland greater than 2 ha is recorded on the Natural England Ancient Woodland Inventory.
Ancient woodland buffer	~~A defined area~~A 15 m buffer surrounding ancient woodland within which development is restricted to prevent direct and indirect impacts, including root damage, changes in hydrology, pollution, and disturbance of habitats.
Ancient Woodland Inventory	A dataset managed by Natural England to identify and record information about ancient woodland sites in England.
Annex 1 Priority habitat	Annex 1 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.
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.
Biodiversity Net Gain	Biodiversity Net Gain (BNG) is a concept introduced by the Environment Act 2021. It requires developers to ensure their projects not only minimise environmental damage but also actively enhance biodiversity by creating or improving habitats, resulting in a net positive impact on the natural environment of at least 10%.
BS 3998:2010 Tree work - Recommendations.	This is a British Standard that provides recommendations for tree work, covering a wide range of tree care activities, including pruning, tree felling, and tree health assessments. It is a comprehensive guide for managing established trees, including those in urban and rural landscapes.
BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations	This is a British Standard that provides recommendations for trees in relation to design, demolition and construction. It focuses on achieving a harmonious and sustainable relationship between trees and structures, and it is relevant to a wide range of professionals including arboriculturists, construction workers, and planners.

Term	Description
Cable	An insulated conductor designed for underground installation.
Cable Sealing End	Structures used to transfer transmission circuits between underground cables and overhead lines.
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.
Cable Sealing End platform	Electrical infrastructure used as the transition point between overhead lines and underground cables. A platform on the pylon acts as the principal transition point.
County Wildlife Site	Non-designated areas of land important for their wildlife and nature conservation value.
Construction Exclusion Zone (CEZ)	An area within which all site clearance and construction activities, access and storage of materials are prohibited.
Ecosystem	A dynamic complex of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit.
Embedded mitigation	Embedded mitigation refers to the proactive incorporation of design features and construction practices within a project to inherently minimise environmental and social impacts from the outset.
European Protected Species	Animals and plants listed under the Habitats Directive and protected under the Conservation of Habitats and Species Regulations 2017, as amended.
Fauna	All the animals in a given area.
Final LEMP	The Final Landscape and Ecological Management Plan is produced post-consent by individual Main Works Contractor(s) in a specified area. It is a comprehensive and detailed document that provides management actions, responsibilities, and timelines for implementing landscape and ecological measures which respond directly to the environmental constraints in that specific area.
Flora	The plants within a particular habitat or region.
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 s41 of the Natural Environment and Rural Communities Act 2006, formerly listed in the UK Biodiversity Action Plan.
Haul route	Another term used for the temporary access route, which is a temporary route built to carry construction vehicles within the Order Limits.

Term	Description
Invasive Non-Native Species (INNS)	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 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.
Nationally Significant Infrastructure Projects (NSIPs)	The UK government considers these projects to be of national significance due to their size, impact, and potential benefits to the wider community and economy.
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.
Outline LEMP	The Outline Landscape and Ecological Management Plan outlines the intentions and overarching principles which support the DCO application.
Overhead line	Conductor (wire) carrying electric current, strung from pylon to pylon.
Root Protection Area (RPA)	Layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's vitality.
Sites of Special Scientific Interest (SSSIs)	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.
Standard mitigation	Mitigations included within the Code of Construction Practice which are considered industry best practice and applied as standard across the Project to ensures legislative compliance.
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.
UK Power Networks (UKPN)	UK Power Networks (Operations) Limited (registered company number 03870728) and/or its affiliate Eastern Power Networks plc (registered company number 02366906) as applicable.

Term	Description
Underground cable	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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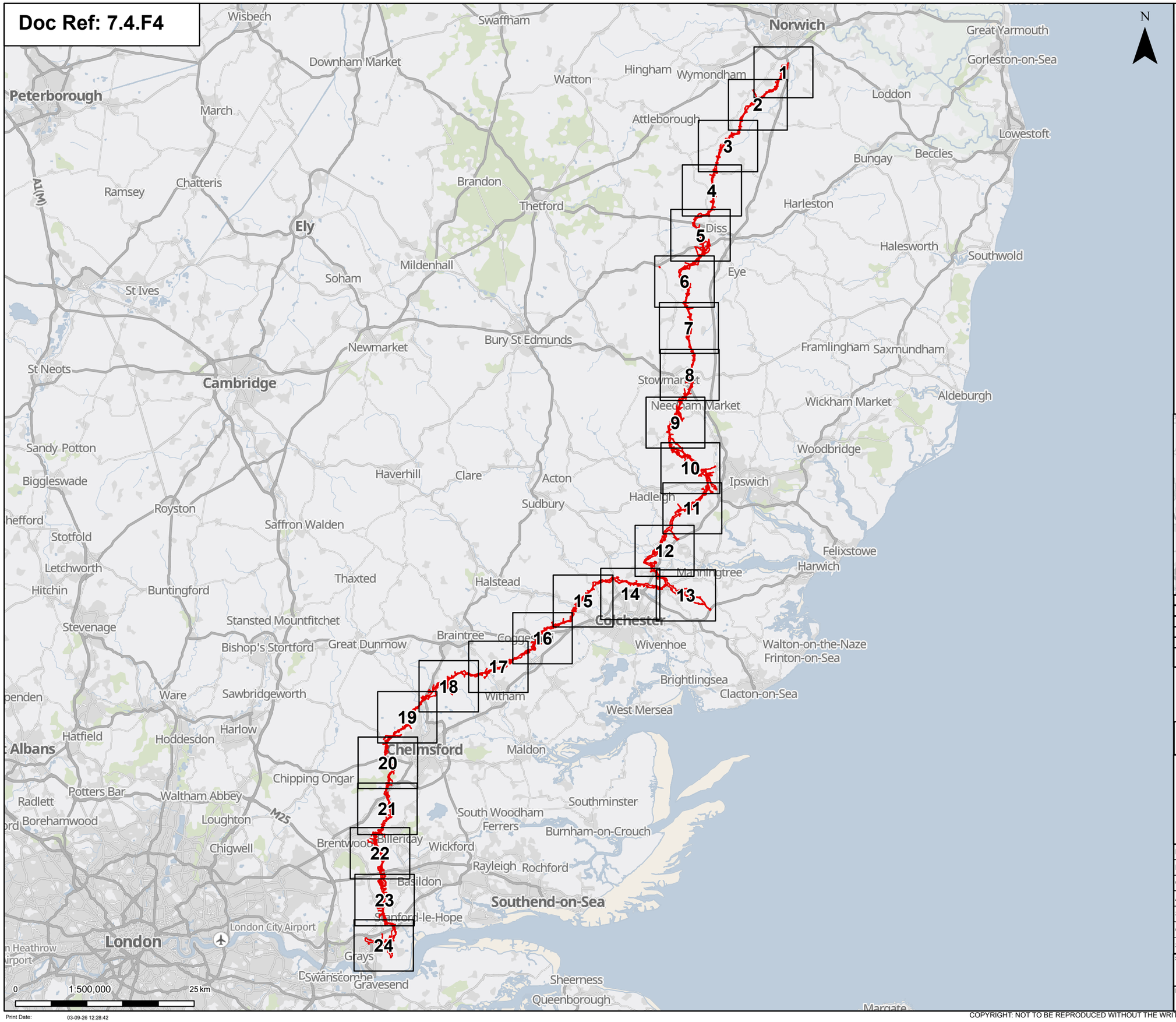
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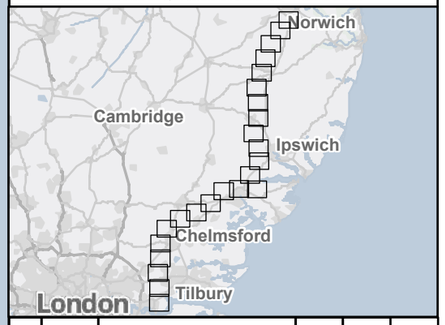
Annex A. Figures

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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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area) Overview

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:500,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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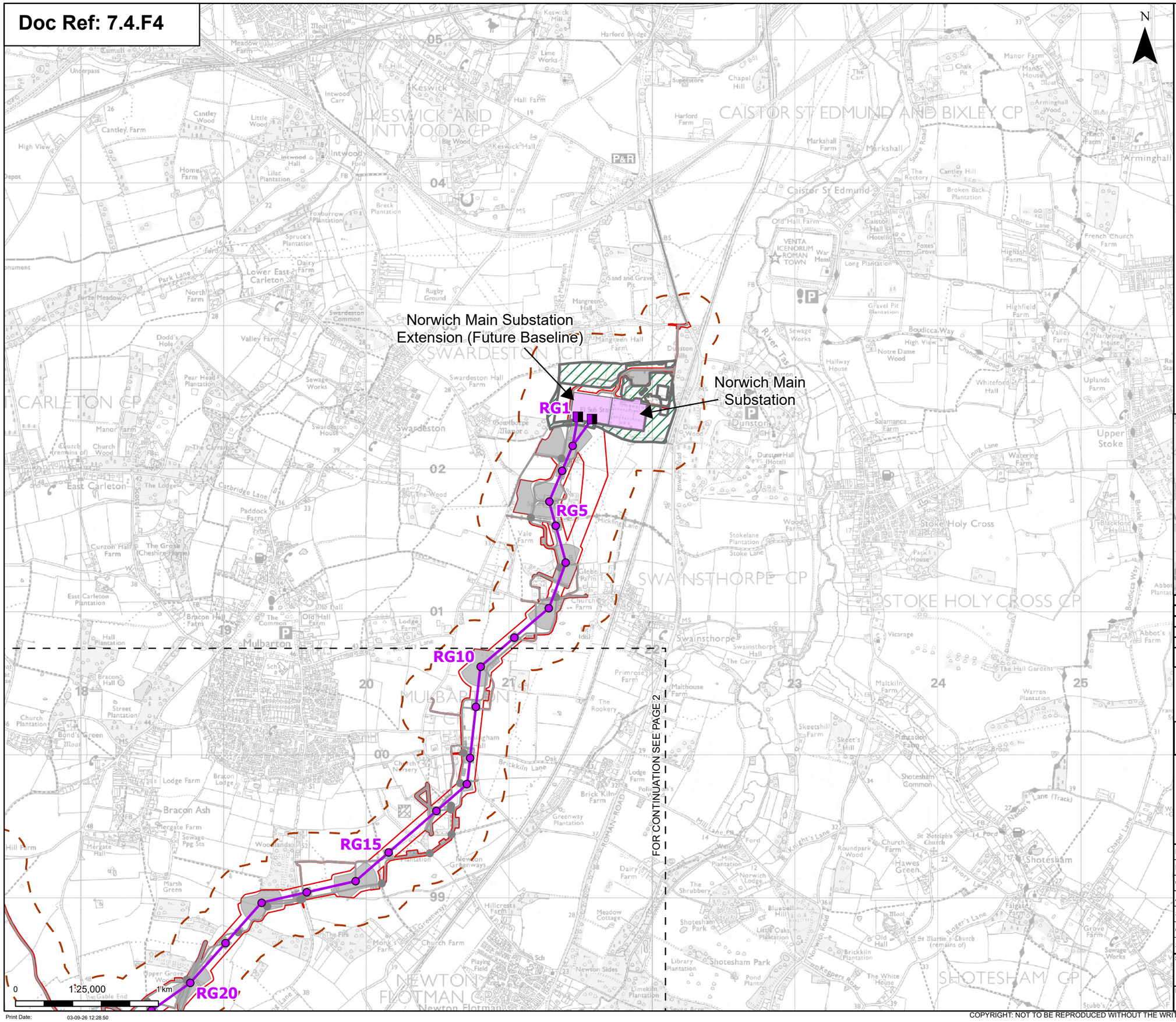
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Order limits

Sheet index cutline

Proposed project design details

Proposed full line tension gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Norwich Main Substation

Norwich Main Substation Extension (future baseline)

Environmental area

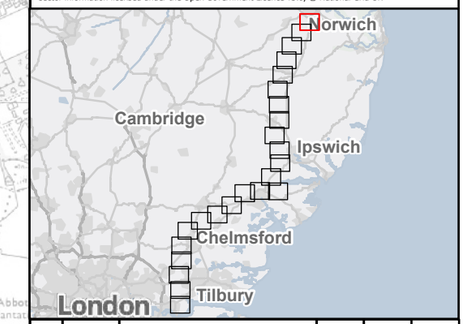
Other temporary and permanent construction and operational works

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)&(I)(ii)

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Page 1 of 24

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Approved	K. Burrows	Date	March 26
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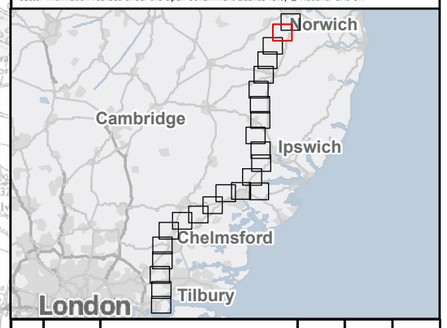
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Proposed overhead line alignment
Environmental mitigation
Other temporary and permanent construction and operational works

Discipline specific constraints

200 m Study Area

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PROJECT: Norwich to Tilbury

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

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Page 2 of 24

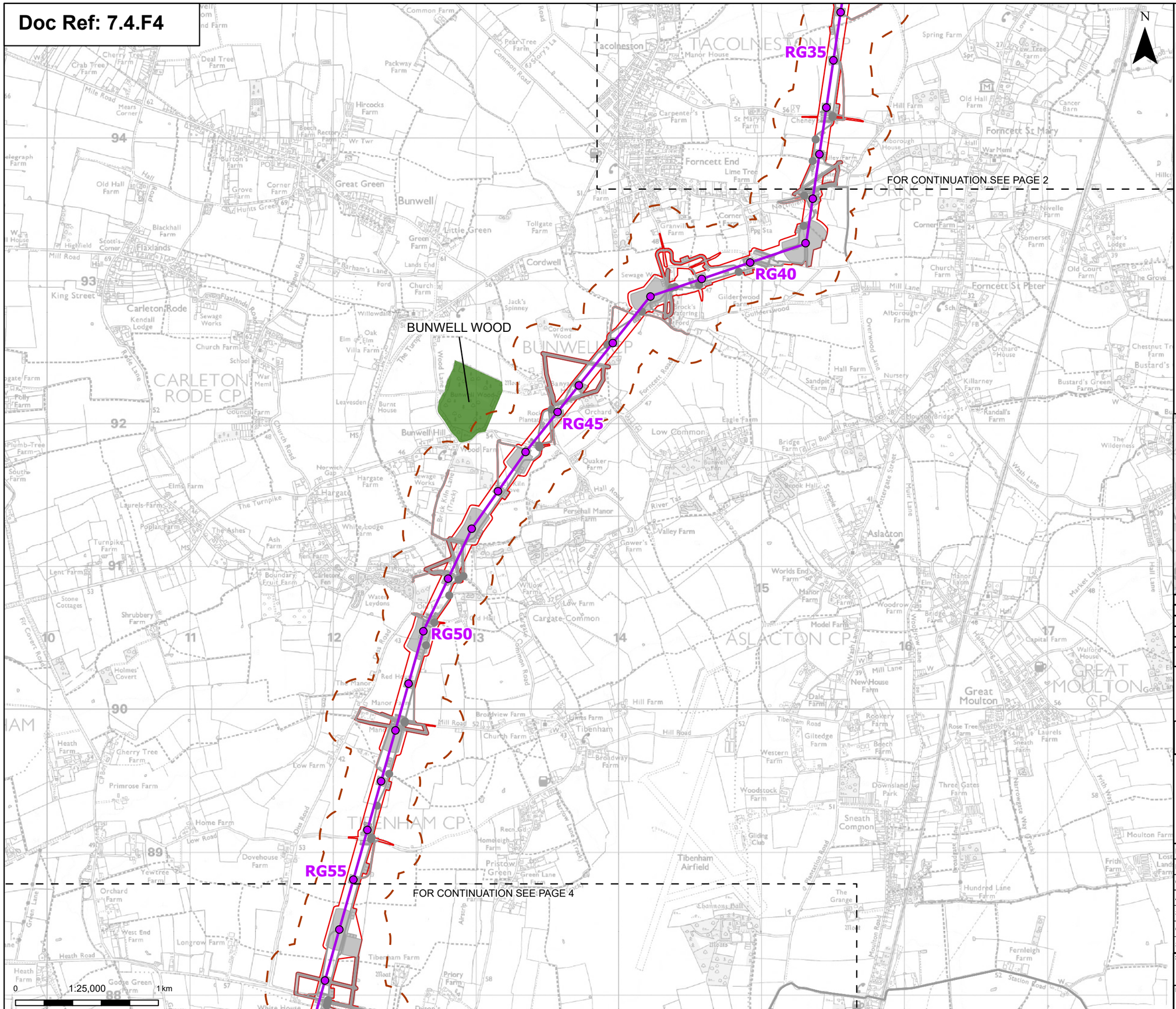
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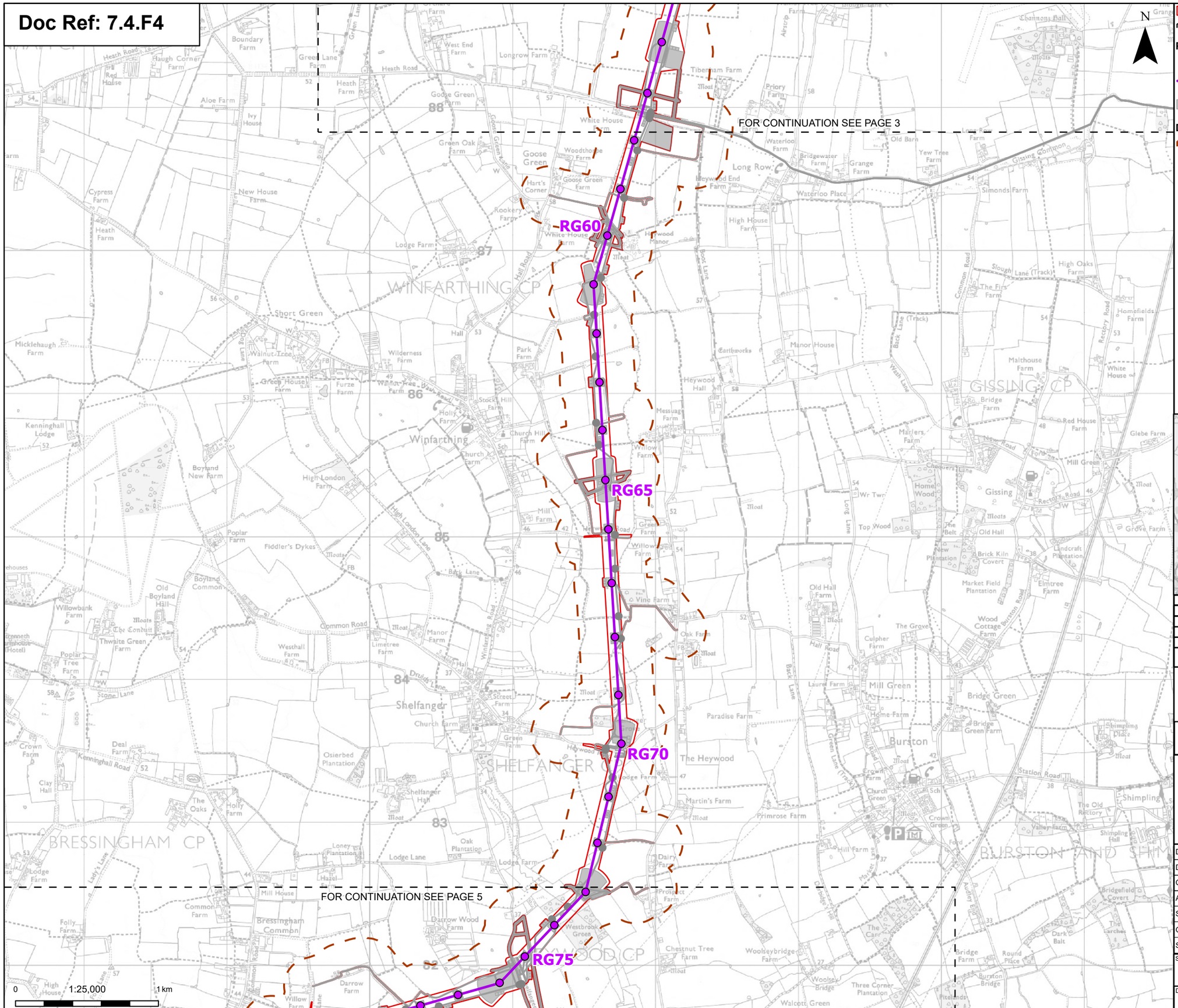
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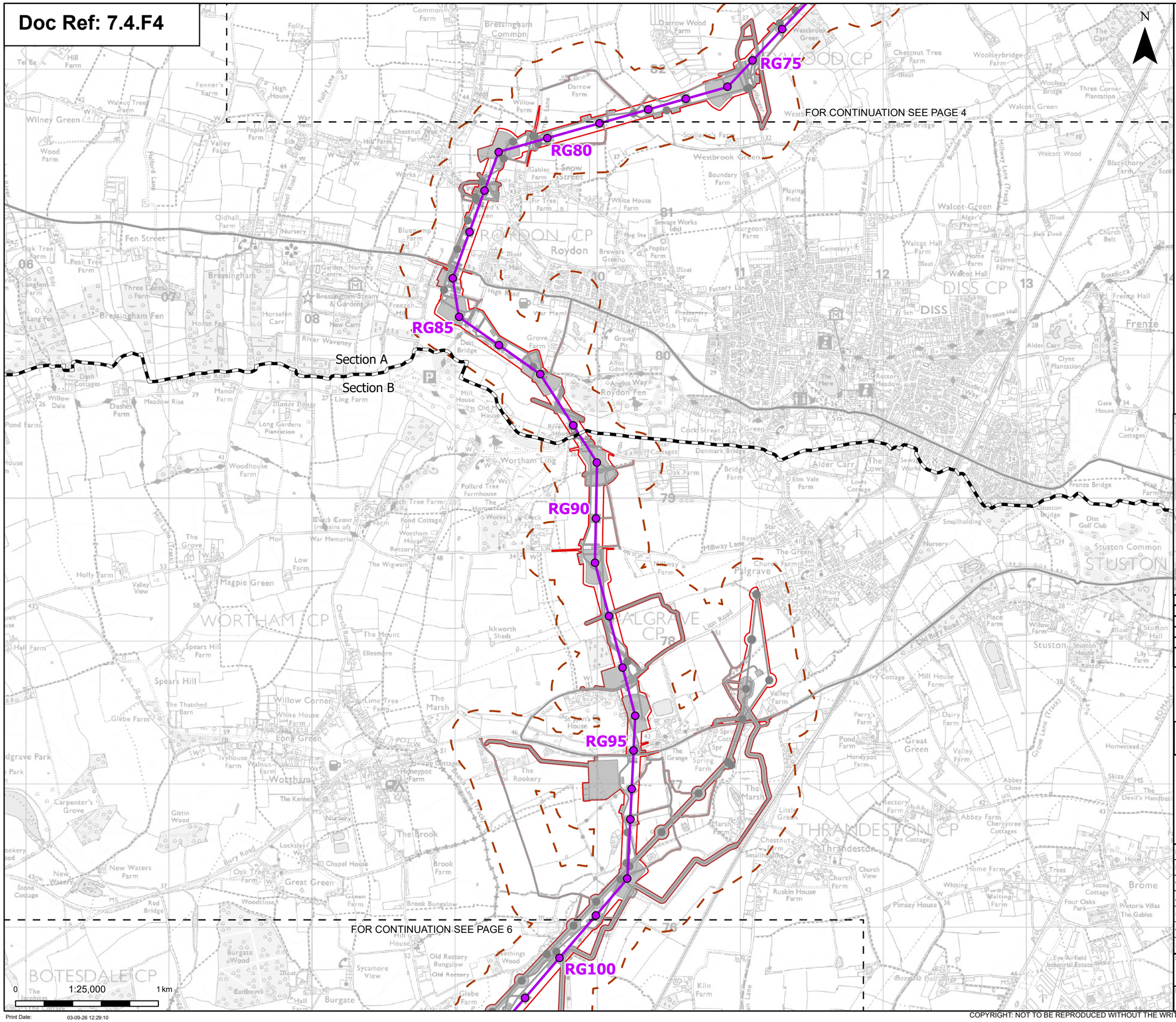
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FORNCETT CP
BUNWELL CP
CARLETON RODE CP
ASLACTON CP
TIBENHAM CP
GREAT MOULTON CP
Great Green
Bunwell
Carleton Rode
Forncett End
Forncett St Mary
Forncett St Peter
Tibenham
Great Moulton
Aslacton
Tibenham Airfield
Sneath Common
Low Common
Cargate Common
Pristow Green
Bunwell Hill
Cordwell
Tacolneston
Norwich Gap
Hargate
Hall Road
Church Road
Low Road
Mill Road
King Street
Mill Lane
Lime Tree Farm
Forncett Road
Bunwell Road
Moulton Road
Tibenham Road
Broadway Farm
Hill Farm
Church Farm
Manor Farm
Eagle Farm
Sandpit Farm
Hall Farm
Orchard House
Killarney Farm
Randall's Farm
Bustard's Green Farm
Chestnut Tree Farm
Old Court Farm
Somerset Farm
Nivelle Farm
Piper's Lodge
Spring Farm
Old Hall Farm
Cancer Barn
Albrough House
Albrough Farm
Gilderswood Farm
Granvill Farm
Tollgate Farm
Little Green
Green Farm
Blackhall Farm
Flaxlands
Scott's Corner
Kendall Lodge
Sewage Works
Council Farm
Elm Villa Farm
Oak Farm
Jack's Spinney
Cordwell Wood
Bunwell Wood
Rock Plantation
Orchard
Quaker Farm
Personhall Manor Farm
Valley Farm
Gower's Farm
Willow Farm
Low Farm
Worlds End Farm
Manor Farm
Woodrow Farm
Model Farm
New House Farm
Dale Farm
Rookery Farm
Beech Farm
Giltedge Farm
Western Farm
Woodstock Farm
Downland Park
Three Gates Farm
Rose Tree Farm
Laurels Farm
Sneath Farm
Capital Farm
Walford House
Hillcrest
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Wash Lane
Market Lane
Hall Lane
Overwood Lane
Broadgate Lane
Fifth Way
Narrowgate Way
Fernleigh Farm
Hundred Lane Farm
Frith Farm
Moulton Farm
Station Road
Gliding Club
Recn Gd
Homeleigh Farm
Channons Hall
The Grange
Moats
Priory Farm
Tibenham Farm
Longrow Farm
West End Farm
Heath Farm
Primrose Farm
Cherry Tree Farm
Dovehouse Farm
Yewtree Farm
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Green Lane
Heath Road
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Poplar Farm
The Ashes
Ash Farm
Turnpike Farm
Lent Farm
Stone Cottages
Shrubbery Farm
Holmes' Covert
Boundary Fruit Farm
Carleton Fen
White Lodge Farm
Fen Farm
Water Leydons
Red House
The Manor
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Hames Farm
Church Farm
Low Farm
Home Farm
Dove Road
Dies Road
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Brick Kiln Lane (Track)
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Wood Lane
Wood Farm
Bunwell Fen
Bunwell Fen Rd
Brook Hall
Scarle Lane
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Wash Lane
Woodrow Lane
Hillcrest Lane
Fifth Way
Narrowgate Way
Broadgate Line
Overwood Lane
Hall Lane
Mill Lane
Forncett Road
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Moulton Road
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Hill Road
Church Road
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Mill Road
King Street
Flaxlands Road
Chapel Road
Barham's Lane
Lands End
Ford
Willowdale
Leavesden
Burnt House
Elm
The Turnpike
Wood Lane
Brick Kiln Lane (Track)
Kiln Drove
Common Road
Story's Ln
Pear Tree Farm
Common Farm
Packway Farm
Hircocks Farm
Beech Farm
Rectory Farm
Wr Twr
Burton's Farm
Grove Farm
Corner Farm
Hunts Green
Crab Tree Farm
Cherry Tree Farm
Deal Tree Farm
Mile Road
Mears Corner
Old Hall Farm
Hall Farm
Highfield
Mill Road
Flaxlands
Blackhall Farm
Scott's Corner
Kendall Lodge
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Church Farm
School
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Bunwell Wood
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Woodstock Farm
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Three Gates Farm
Rose Tree Farm
Laurels Farm
Sneath Farm
Capital Farm
Walford House
Hillcrest
Hillcrest Lane
Wash Lane
Market Lane
Hall Lane
Overwood Lane
Broadgate Line

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SHELFANGER CP
BRESSINGHAM CP
GISSING CP
BURSTON AND SHIMPLING CP
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Shelfanger
Gissing
Burston
Goose Green
Short Green
Bressingham Common
Boyland Common
Mill Green
Bridge Green
Heath Road
Kenninghall Road
Common Road
Long Row
Station Road
Lodge Lane
Hall Road
Boot Lane
Back Lane
Church Farm
Manor Farm
Heywood Hall
Manor House
Primrose Farm
Paradise Farm
Darrow Wood Farm
Mill Farm
Willow Farm
Vine Farm
Oak Farm
Dairy Farm
Lodge Farm
Green Farm
Hall Farm
Park Farm
Rookery Farm
Woodthorpe Farm
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Hart's Corner
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Grange Farm
Yew Tree Farm
Simonds Farm
Waterloo Place
High House Farm
Heywood End Farm
Channons Hall
Tibenham Farm
Priory Farm
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Aloe Farm
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Heath Farm
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New House Farm
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Walnut Tree Farm
Wilderness Farm
Furze Farm
Green House Farm
Holly Farm
Stocks Hill Farm
Church Hill Farm
Messuage Farm
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Boyland New Farm
High London Farm
Poplar Farm
Fiddler's Dykes
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Dairy Farm
Hill Farm
Laurel Farm
Home Farm
Culpher Farm
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Market Field Plantation
Elmtree Farm
Old Hall Farm
Brick Kiln Covert
Landcraft Plantation
New Plantation
The Belt
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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

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PROJECT: Norwich to Tilbury

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

Title:
Figure B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 5 of 24

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Drawn	K. Fischer	Date	March 26
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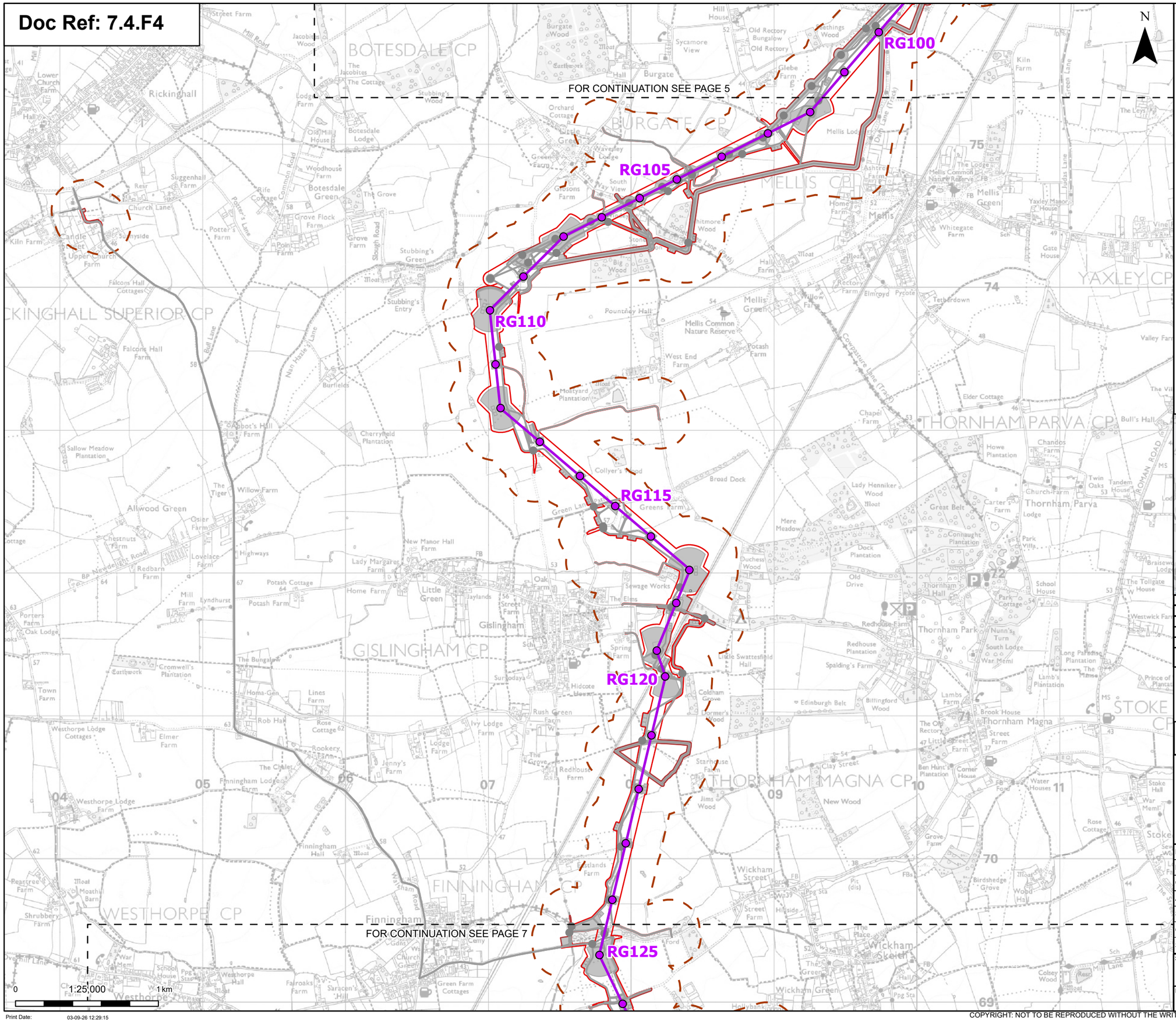
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Page 6 of 24

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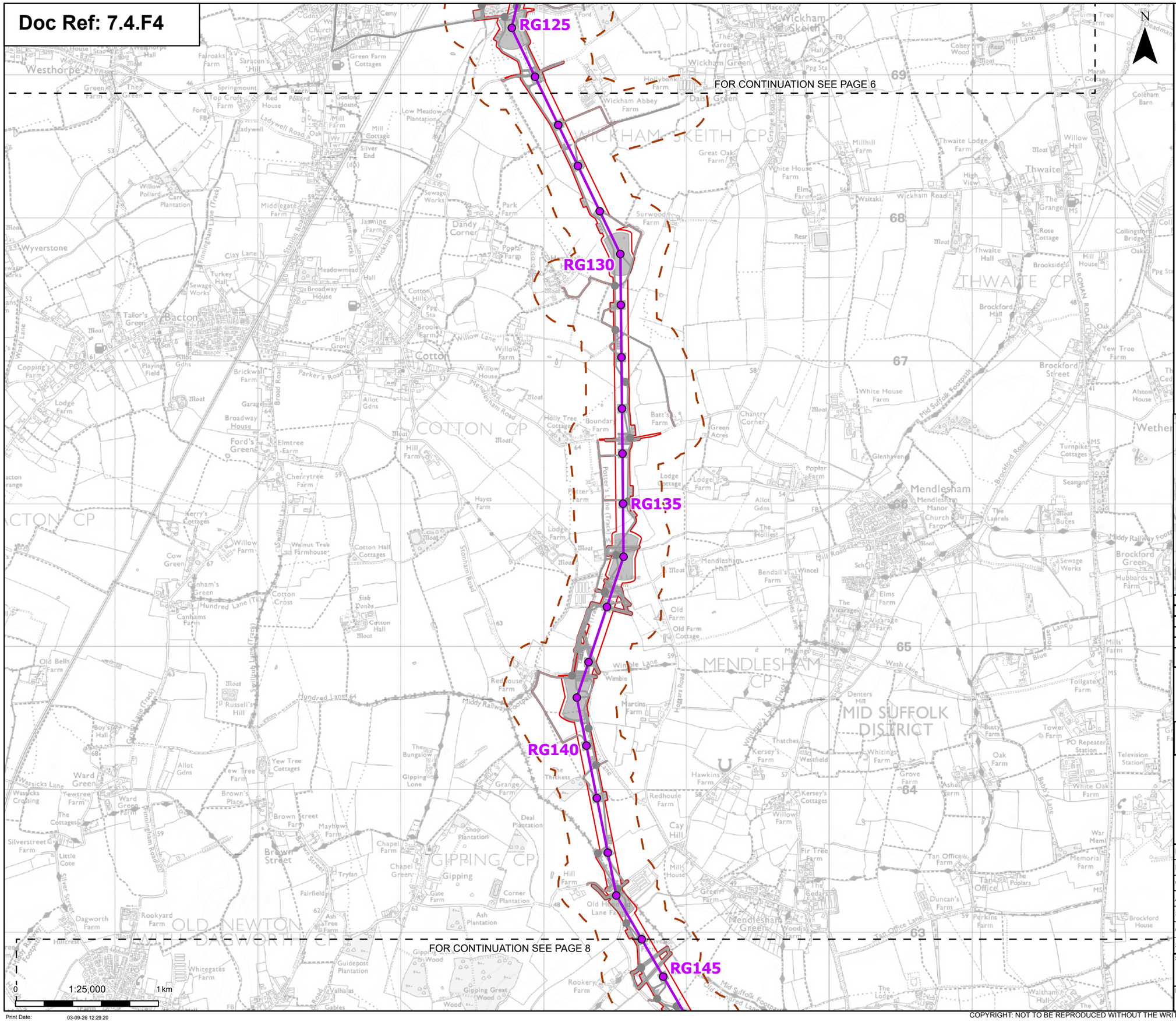
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Proposed overhead line alignment

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Page 7 of 24

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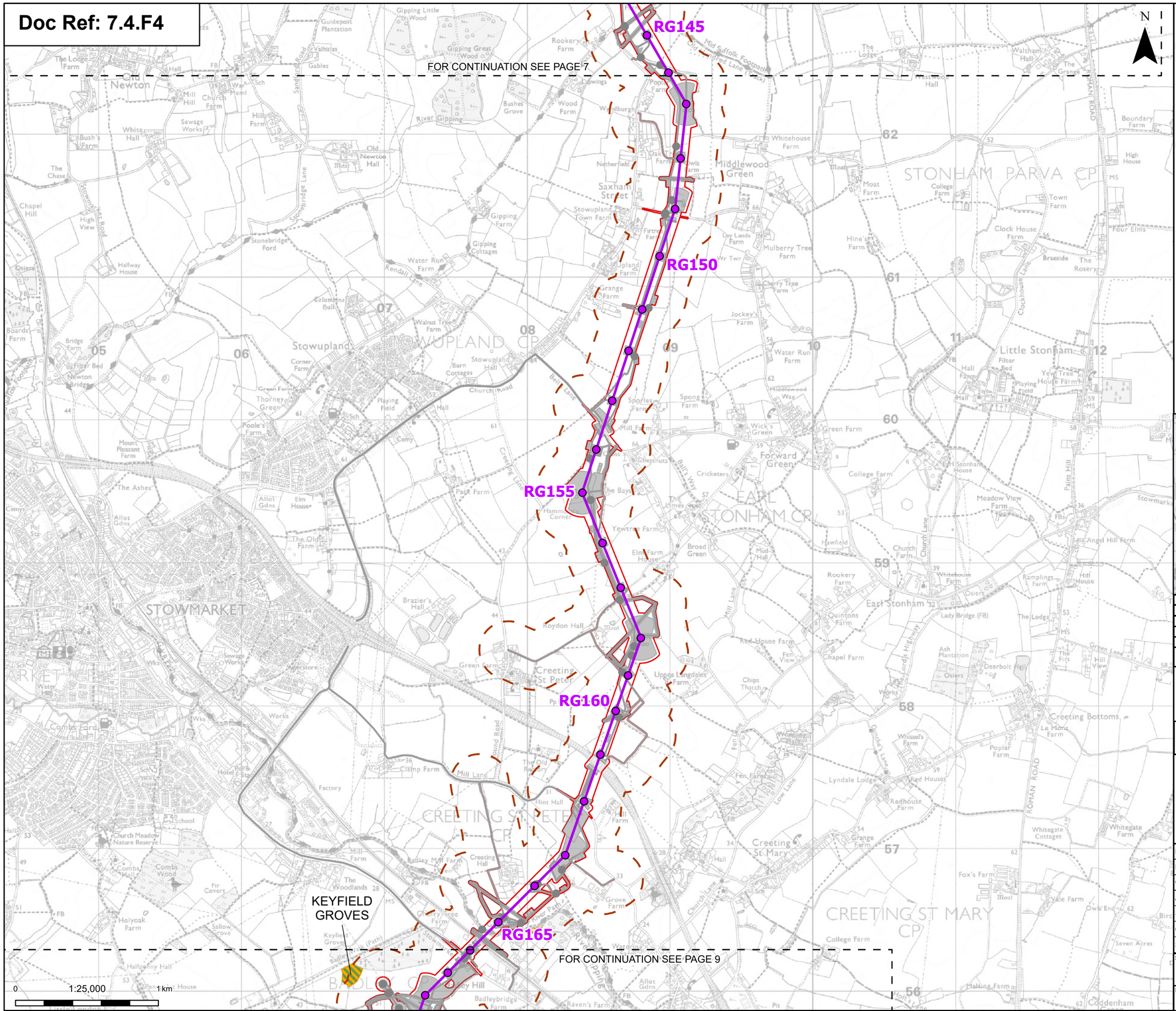
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Discipline specific constraints

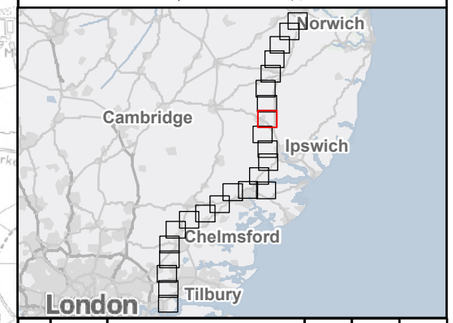
200 m Study Area

Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)

Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

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B	Mar 2026	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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 8 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

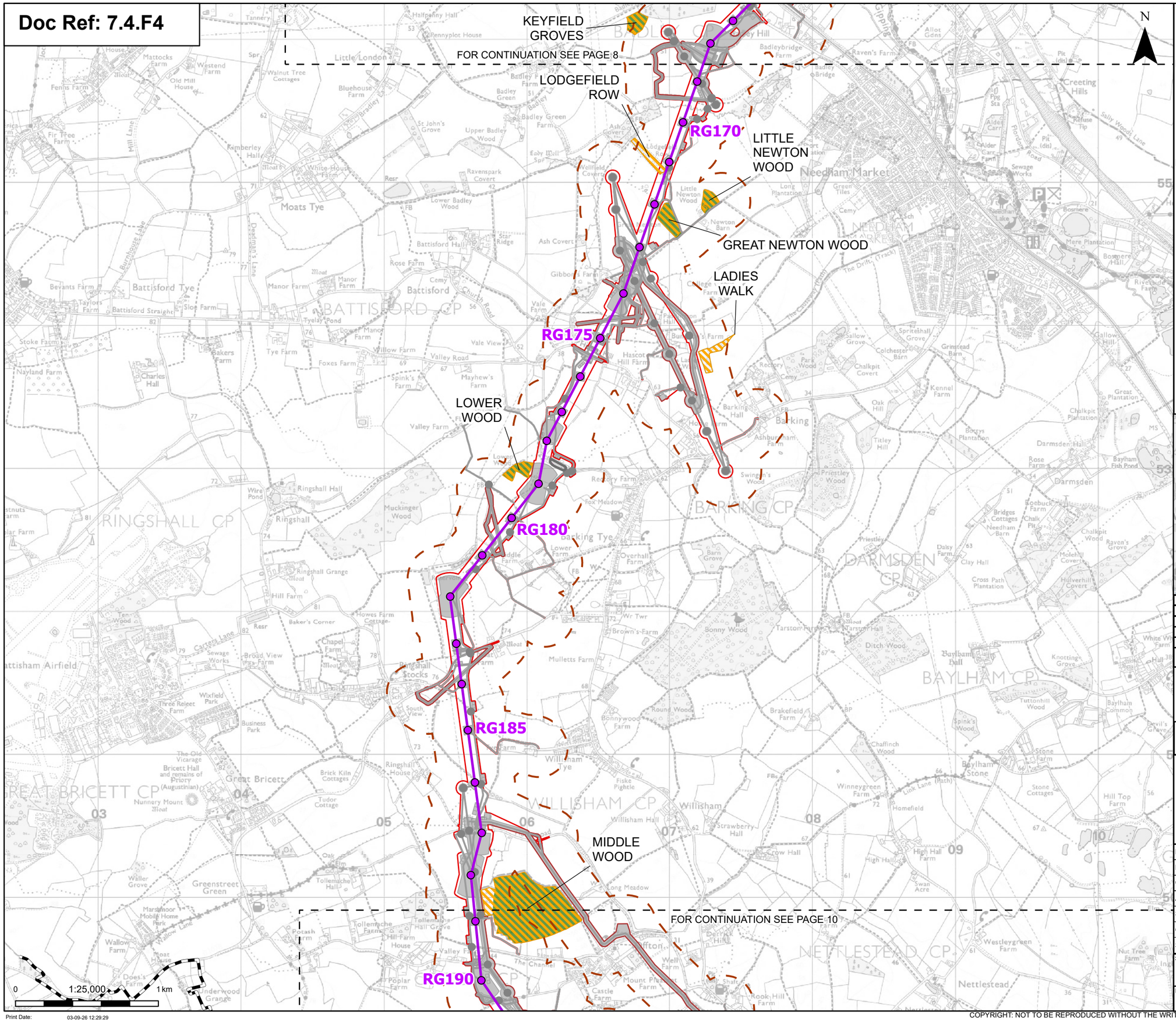
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10059280-ARC-EBD-ZZ-DR-ZZ-00846

Revision:
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Print Date: 03-09-26 12:29:24

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Doc Ref: 7.4.F4



- 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 Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 9 of 24

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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-00846
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Doc Ref: 7.4.F4

RG190
RG195
RG200
RG205
RG210
JC1
JC5
JC10
JC15
MIDDLE WOOD
FOR CONTINUATION SEE PAGE 9
Section B
Section C
DARMSDEN BUSHES
SOMERSHAM PARK
BUSHEY GROVE
FORE GROVE
MILLERS WOOD
BULLEN WOOD
Bramford Substation
ELM'S GROVE
Proposed substation extension
ROUND WOOD
BURSTALL LONG WOOD
FOR CONTINUATION SEE PAGE 11
NETTLESTEAD CP
SOMERSHAM CP
ELMSETT CP
FLOWTON CP
LITTLE BLAKENHAM CP
BRAMFORD CP
HINTLESHAM CP
SPROUGHTON CP
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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

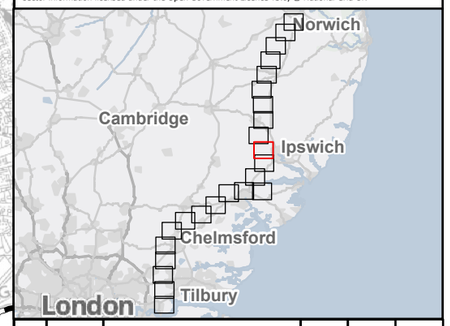
- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Bramford Substation
- Bramford Substation Extension
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 10 of 24

Designed	A. Pinkney	Date	March 26
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

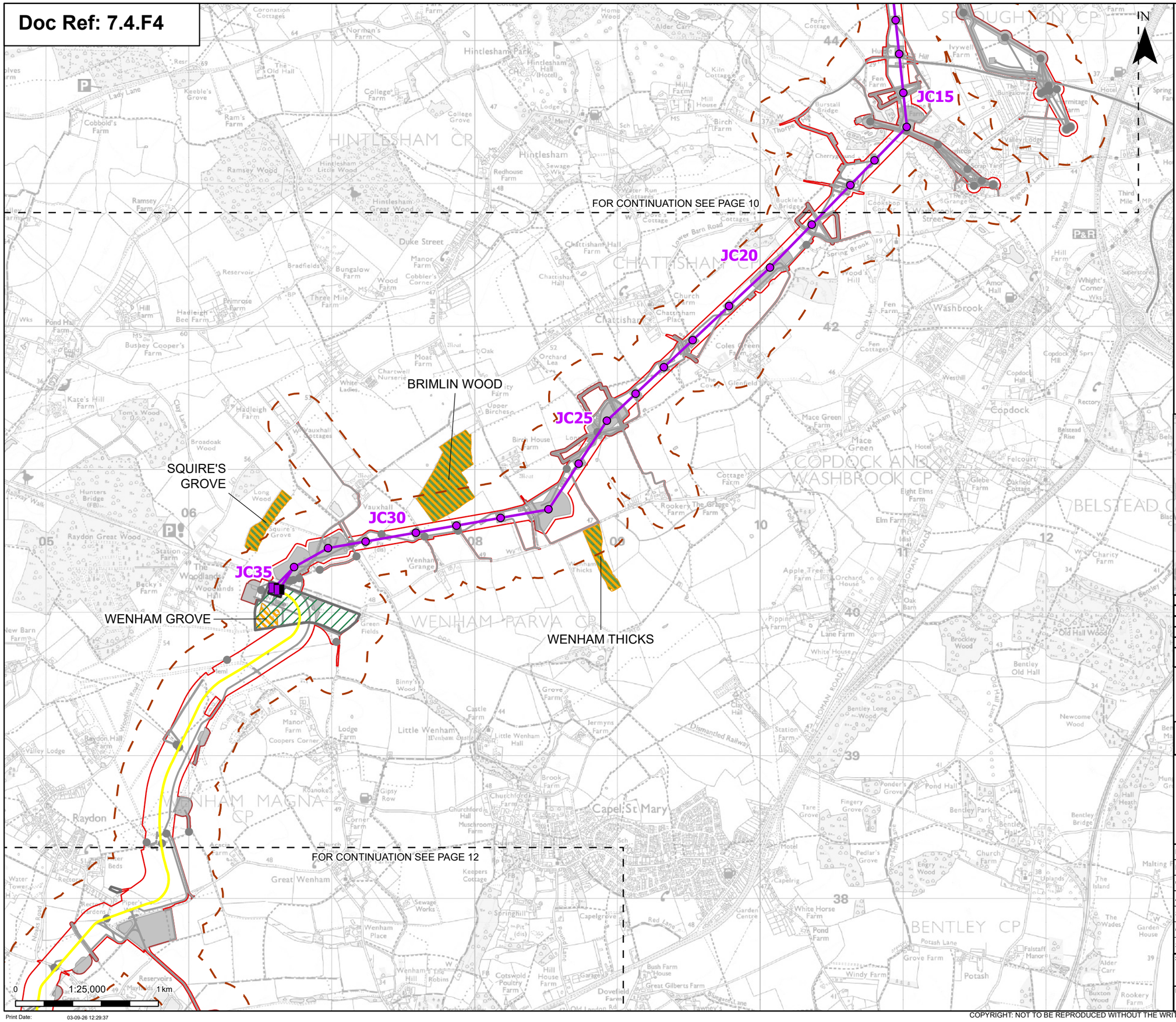
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00846
Revision: B

Print Date: 03-09-26 12:29:33

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Doc Ref: 7.4.F4



- 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 Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 11 of 24

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Suitability Description: Accepted as Concept Stage

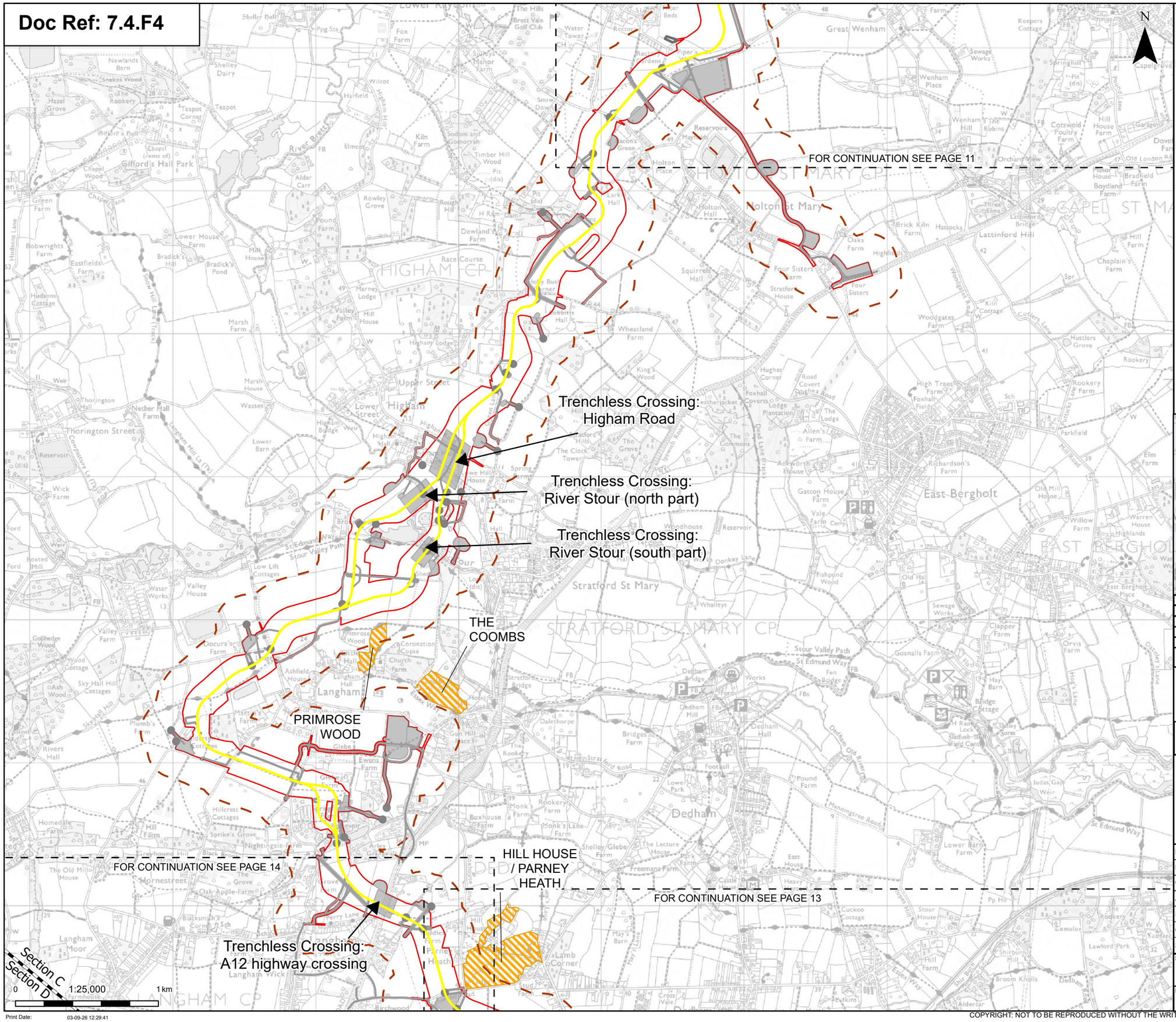
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Revision: B

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Doc Ref: 7.4.F4



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
Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 12 of 24

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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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HILL HOUSE / PARNEY HEATH

FOR CONTINUATION SEE PAGE 12

FOR CONTINUATION SEE PAGE 14

Trenchless Crossing: Railway crossing (east of Ardleigh)

Proposed EACN Substation

TB1

TB5

TB10

TB15

Section D

Section C

0 1:25,000 1 km

Print Date: 03-09-26 12:29:45

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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

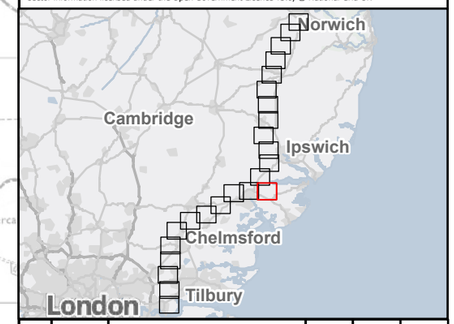
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed DNO Substation
- Proposed East Anglia Connection Node (EACN) Substation
- Environmental area
- Other temporary and permanent construction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

Discipline specific constraints

- 200 m Study Area
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 13 of 24

Designed	A. Pinkney	Date	March 26
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Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00846

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HARROW CORNER

UNNAMED WOODLAND (NORTH - WEST OF GREAT HORKESLEY)

HORKESLEY PLANTATION

TB30

TB25

TB20

UNNAMED WOODLAND (NEAR PYLONS TB23 AND TB24)

Trenchless Crossing: A12 highway crossing

HILL HOUSE / PARNEY HEATH

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: 03-09-26 12:29:50

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

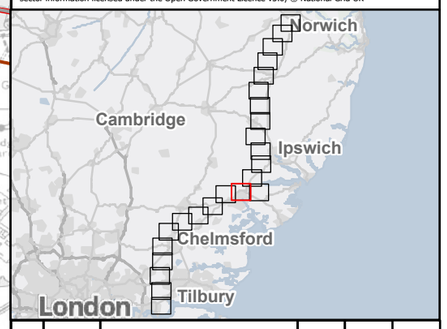
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end (CSE) compound
- Environmental area
- Environmental mitigation
- Other temporary and permanent construction and operational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

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 14 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
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-00846

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TB35
TB40
TB45
TB50
TB55
TB60

UNNAMED WOODLAND (NORTH - WEST OF GREAT HORKESLEY)

UNNAMED WOODLAND (EAST OF FORDHAM)

FIDDLERS WOOD

CHURCHHOUSE WOOD

ALDAMHALL WOOD

STONEFIELD STRIP

FOR CONTINUATION SEE PAGE 14

FOR CONTINUATION SEE PAGE 16

0 1:25,000 1 km

N

- Order limits
- Sheet index cutline

Proposed project design details

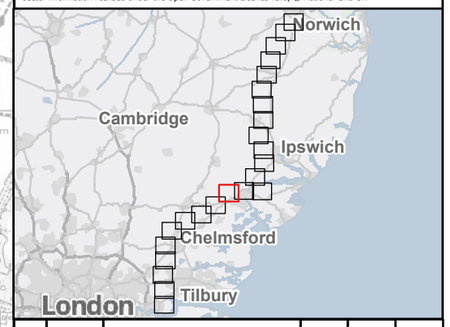
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Discipline specific constraints

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PROJECT: Norwich to Tilbury

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Regulation 5(2)(a)&(l)(ii)

Title: Figure B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area) Page 15 of 24

Designed	A. Pinkney	Date	March 26
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Scale:	1:25,000	Datum:	AOD
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Suitability Code:	A2	Project Number:	10059280

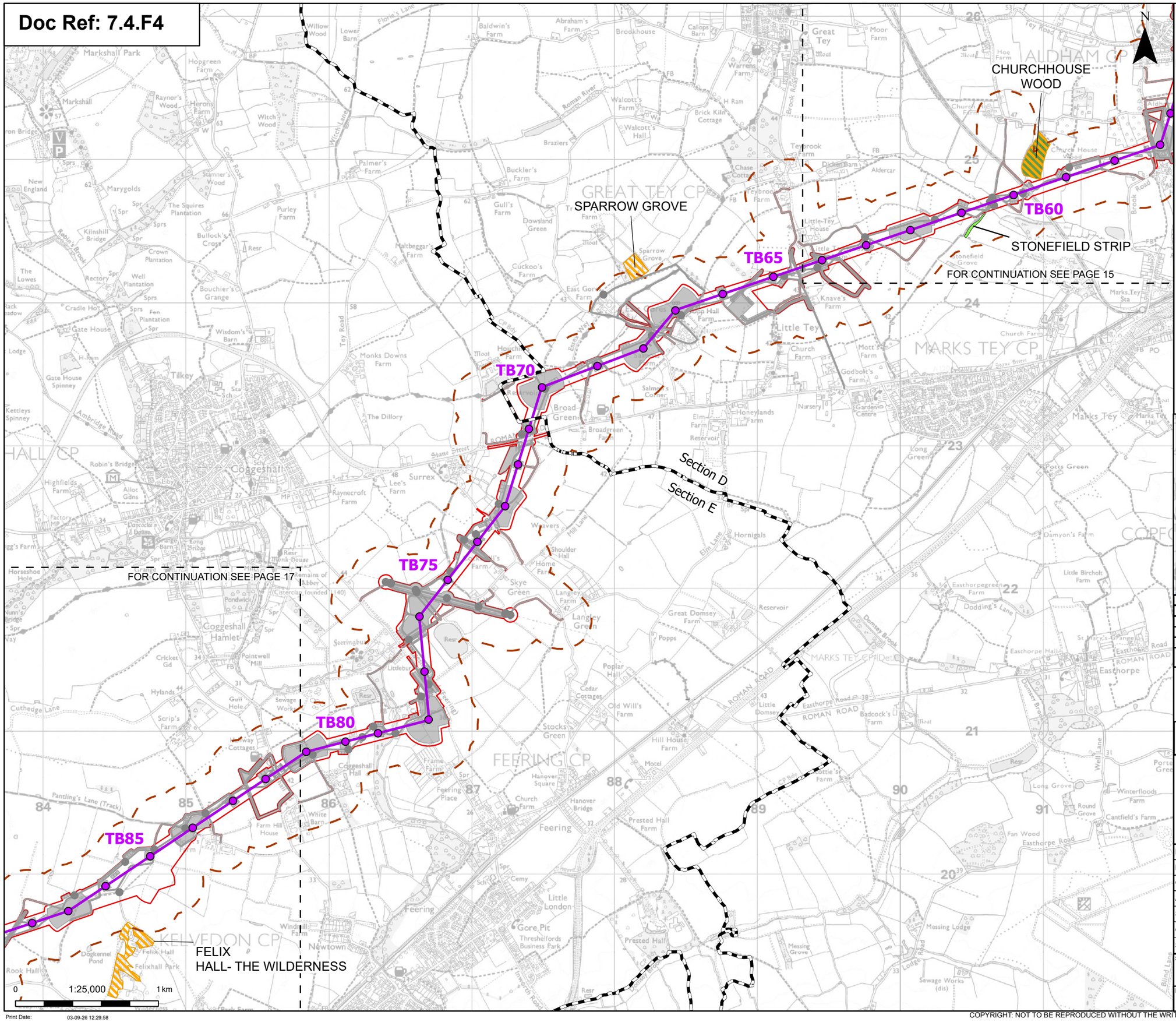
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- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

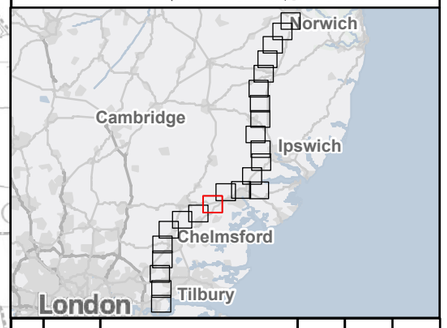
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
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PROJECT: Norwich to Tilbury

Planning Inspectorate App Number: EN020027
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Title: Figure B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 16 of 24

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Suitability Description: Accepted as Concept Stage

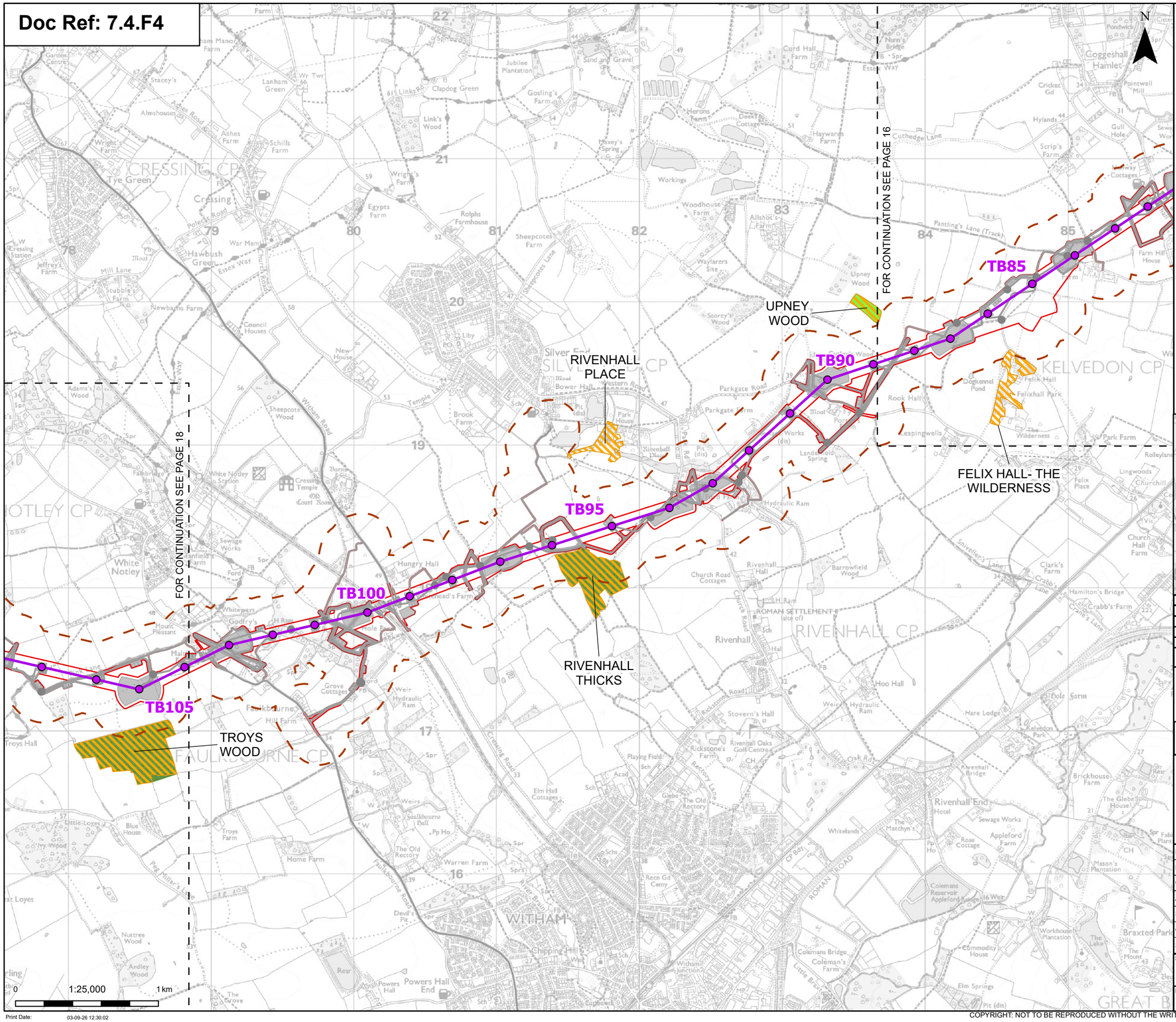
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Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

200 m Study Area

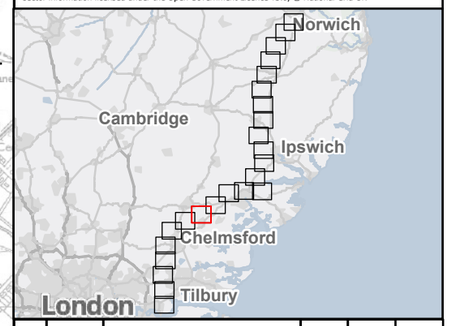
Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)

Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)

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PROJECT: Norwich to Tilbury

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

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Page 17 of 24

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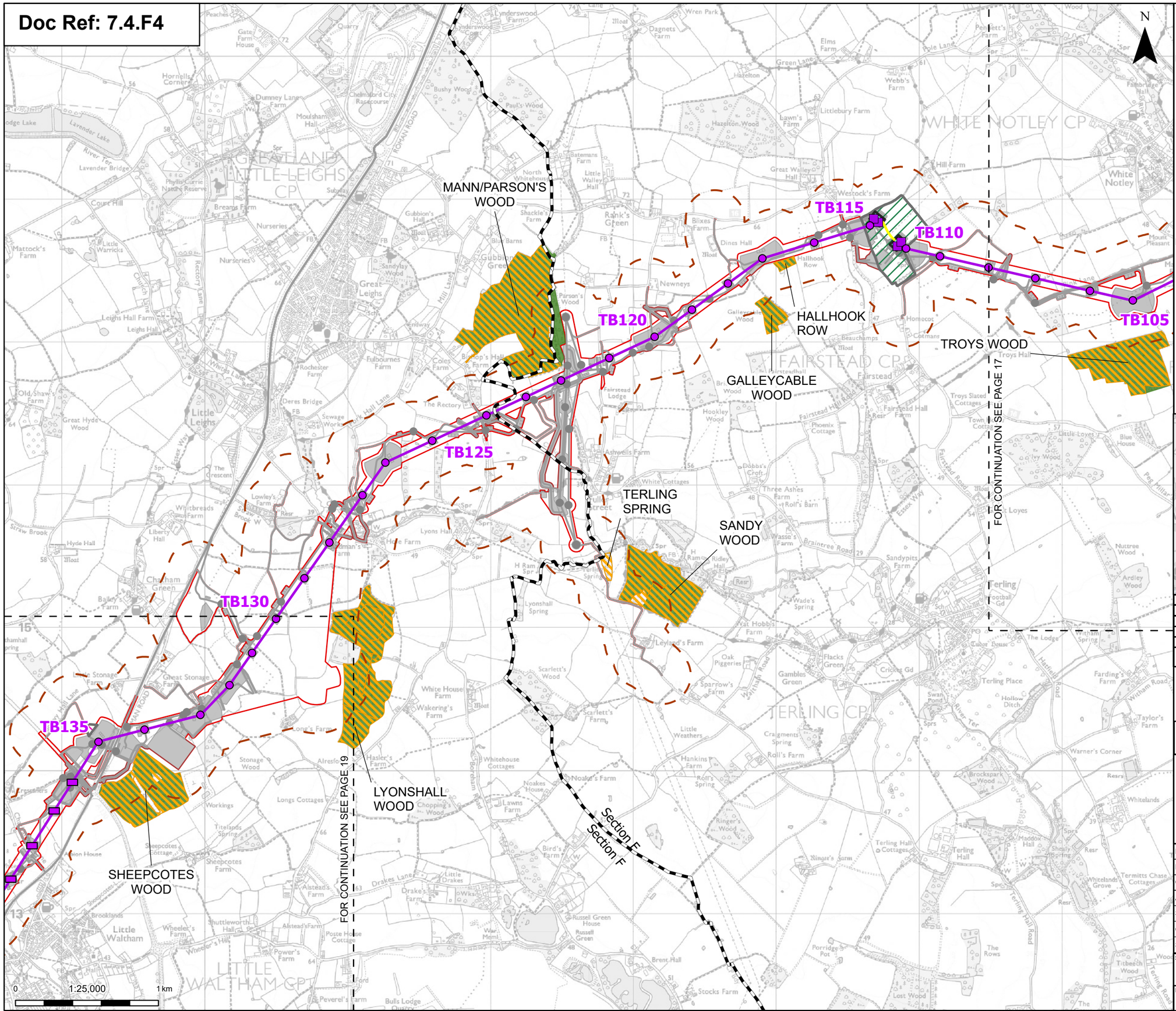
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Revision: B

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Order limits
Sheet index cutline
Project section line

Proposed project design details

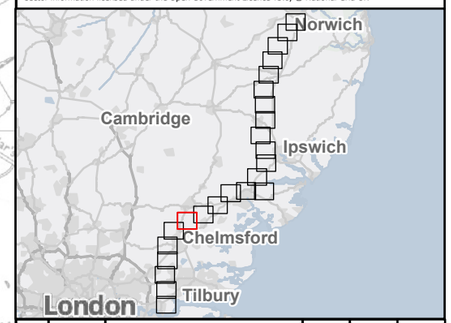
Proposed low duty gantry
Proposed low height pylon location
Proposed standard lattice pylon location
Proposed overhead line alignment
Proposed underground cable alignment
Proposed cable sealing end (CSE) compound
Environmental area
Environmental mitigation
Other temporary and permanent construction and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

Discipline specific constraints

200 m Study Area
Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 18 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

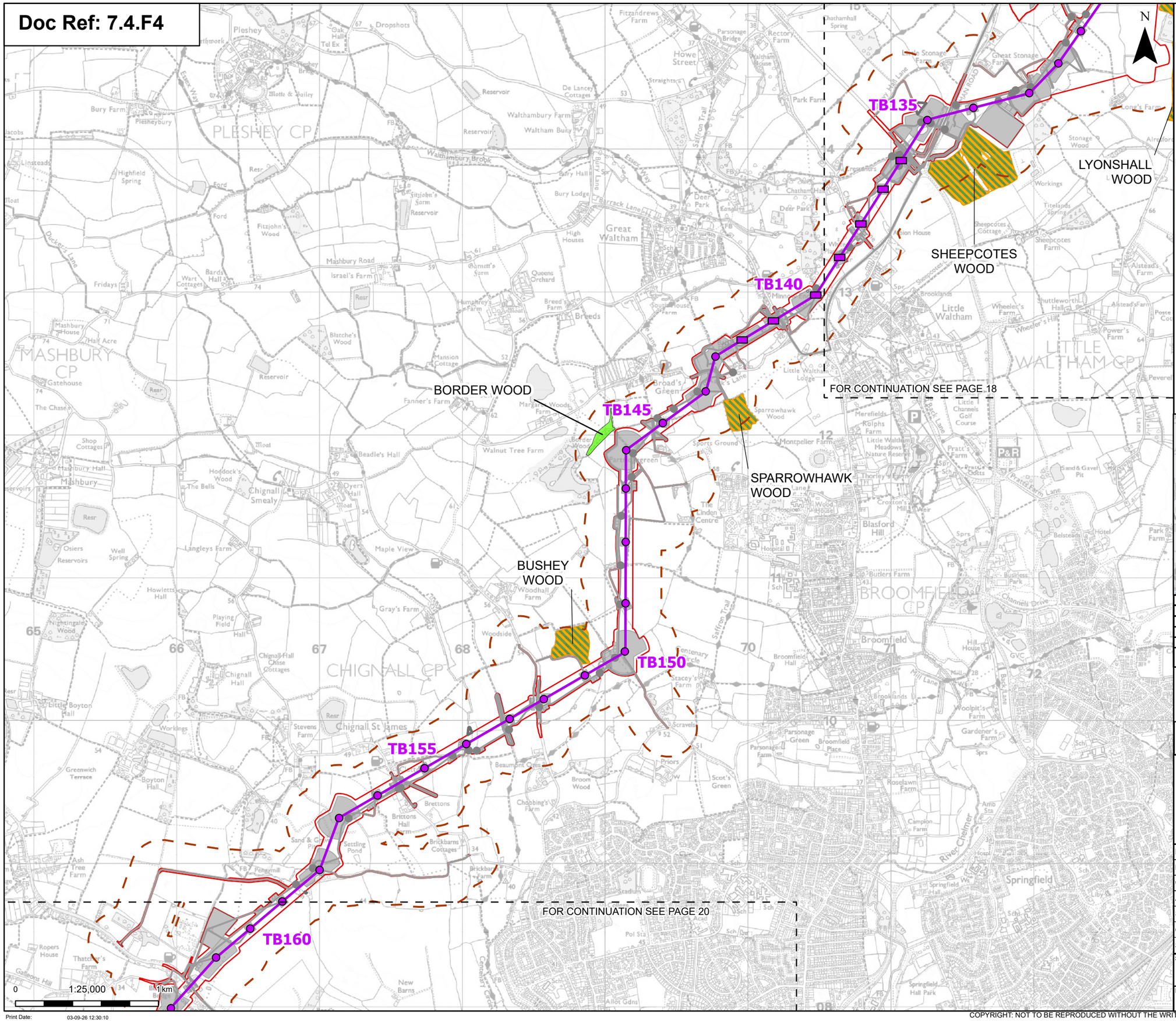
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00846
Revision: B

Print Date: 03-09-26 12:30:06

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Order limits

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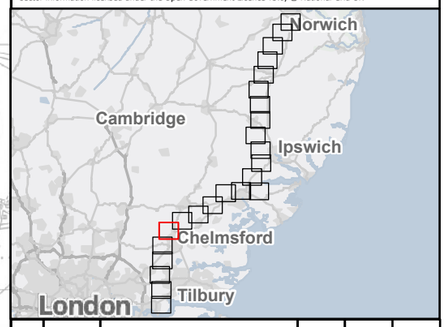
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 200 m Study Area
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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	Mar 2026	FOR DCO APPLICATION	KF	AF	KB
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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 19 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

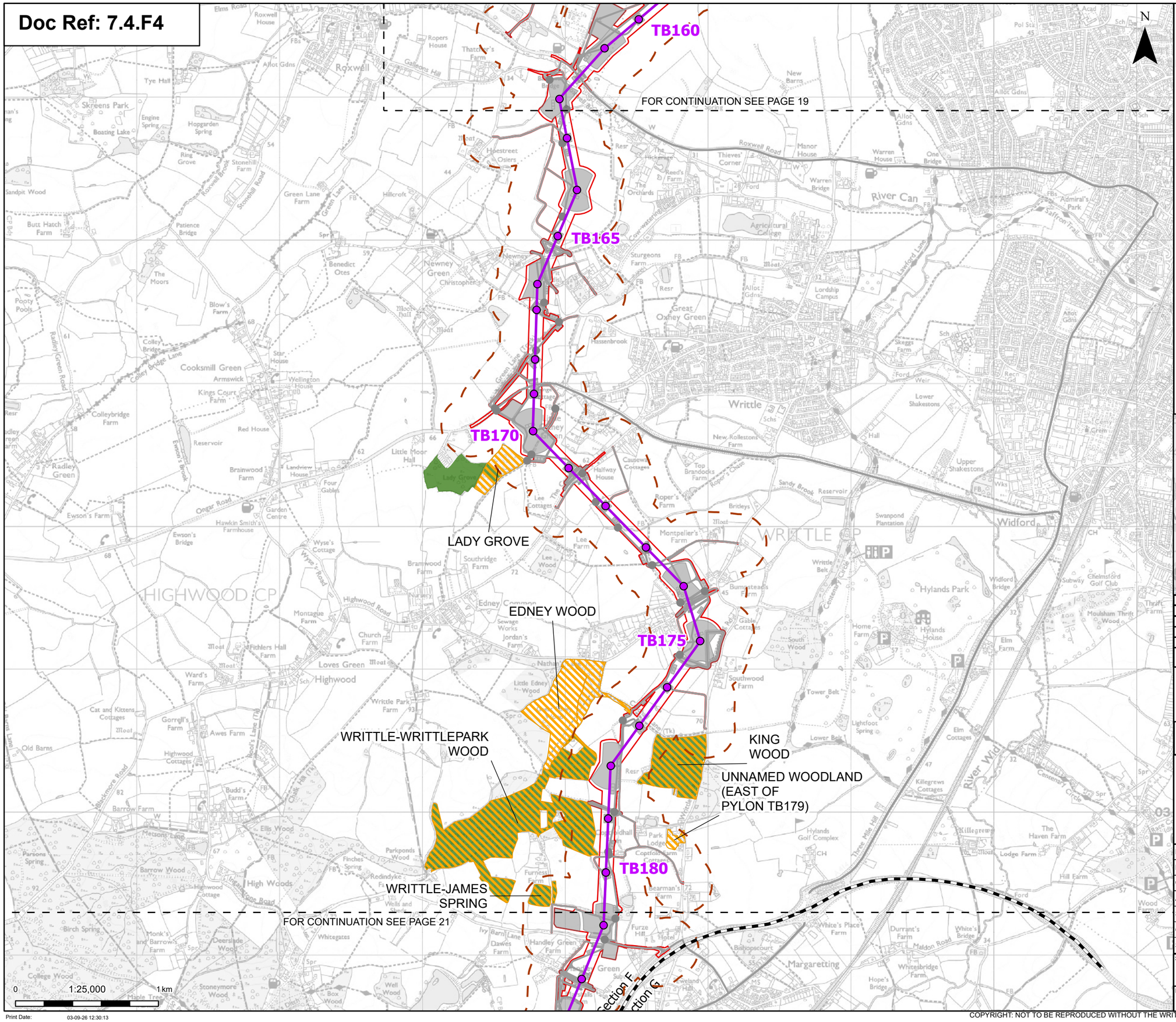
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Revision: B

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- 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 Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 20 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

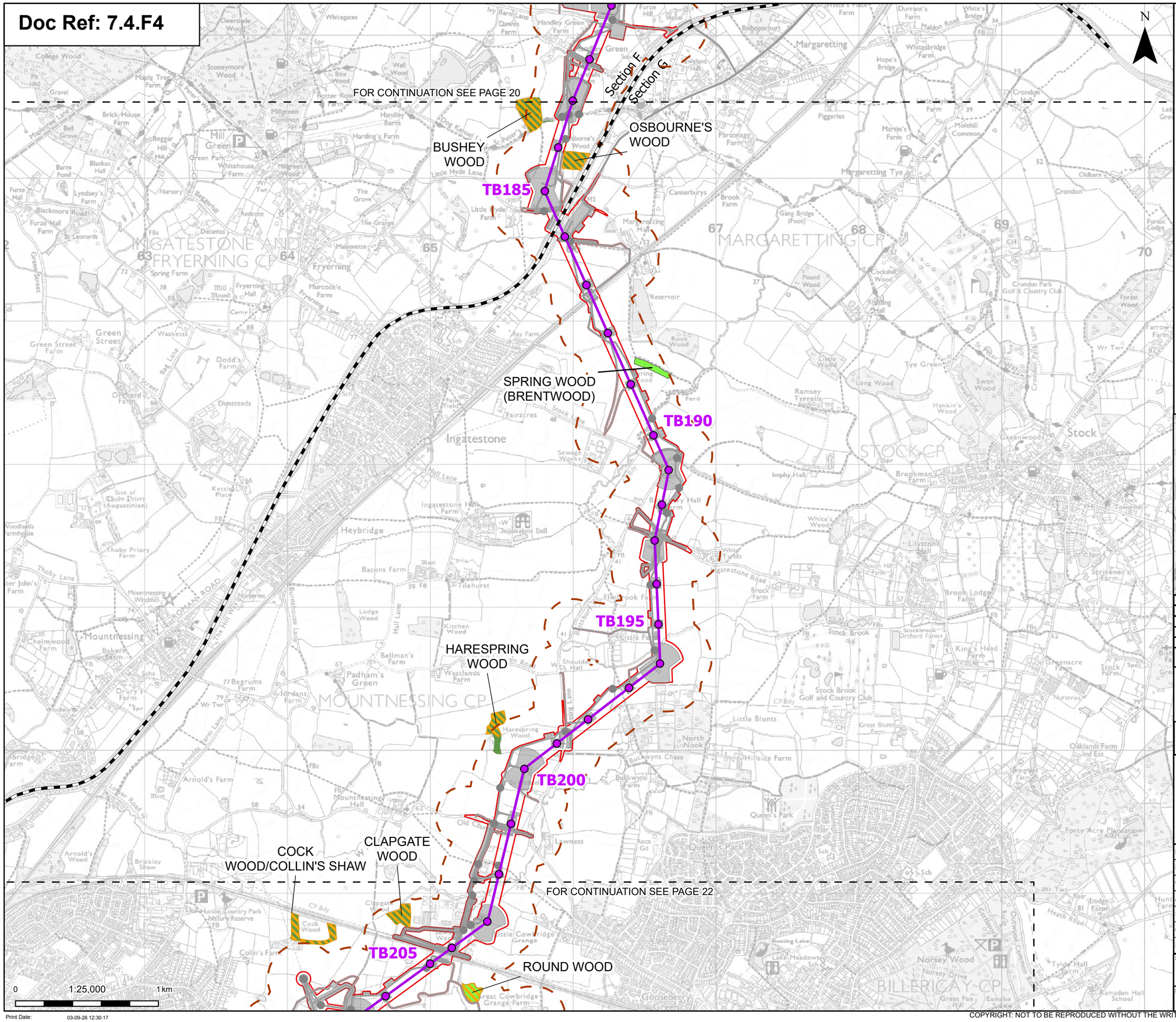
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Doc Ref: 7.4.F4



- 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 Inventory as per DCO Submission)
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 21 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

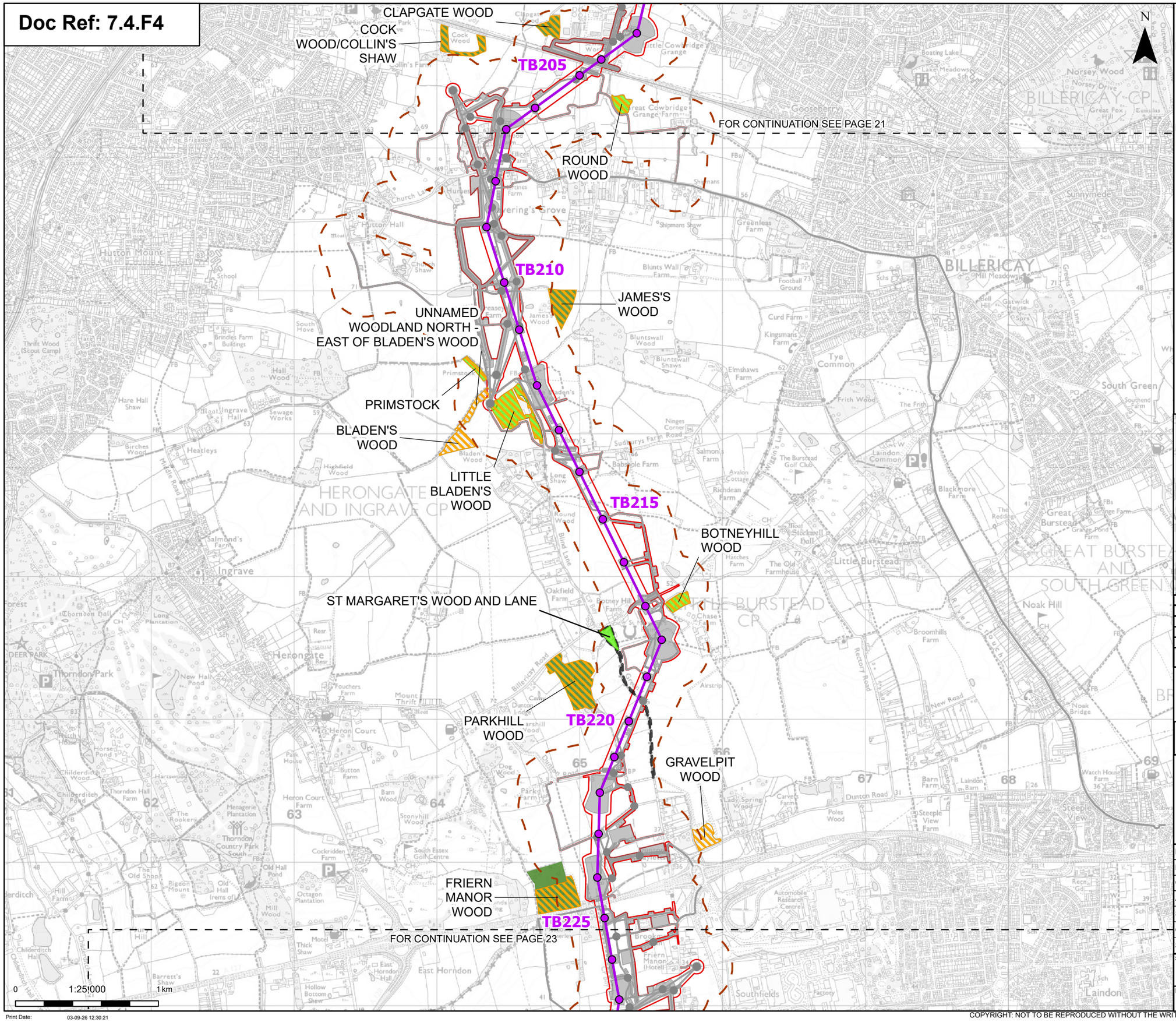
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Order limits

Sheet index cutline

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 Inventory as per DCO Submission)

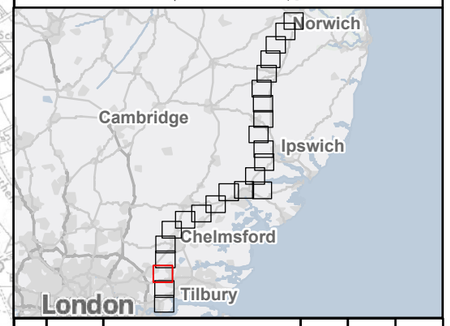
Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)

Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

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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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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 22 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

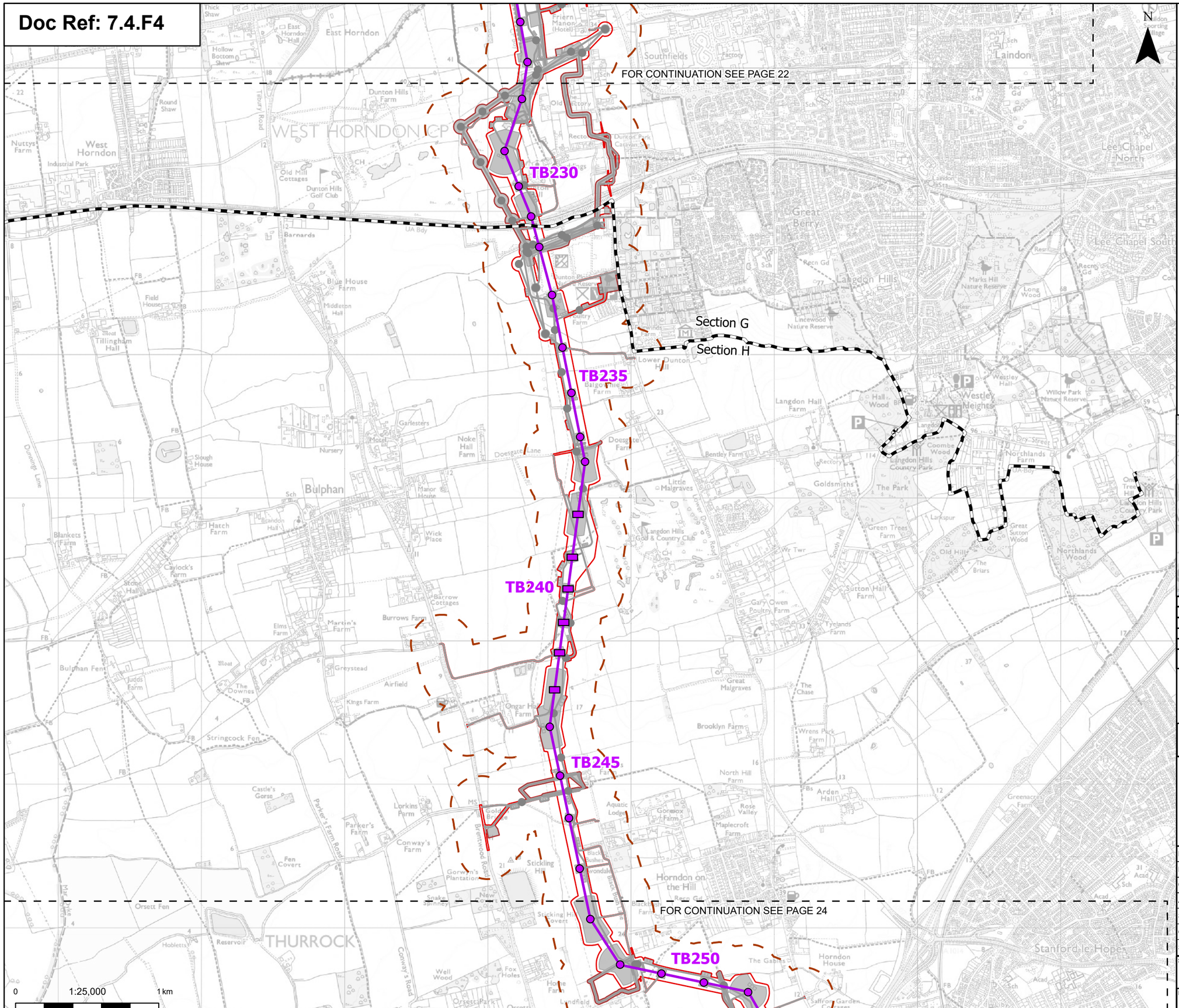
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Doc Ref: 7.4.F4



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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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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 23 of 24

Designed	A. Pinkney	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:25,000	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-00846

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FOR CONTINUATION SEE PAGE 23

TB250
TB255
TB260
YYJ115
ZB20
YYJ120
ZB15RA
ZB15RC
YYJ125R
ZB10
YYJ130
Proposed Tilbury North Substation
RAINBOW WOOD
ASHEN SHAW

N

0 1:25,000 1 km

Print Date: 03-09-26 12:30:29

- 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

- 200 m Study Area
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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 B.A.1 - Outline Landscape and Ecological Management Plan - Ancient Woodland Locations (within Study Area)
Page 24 of 24

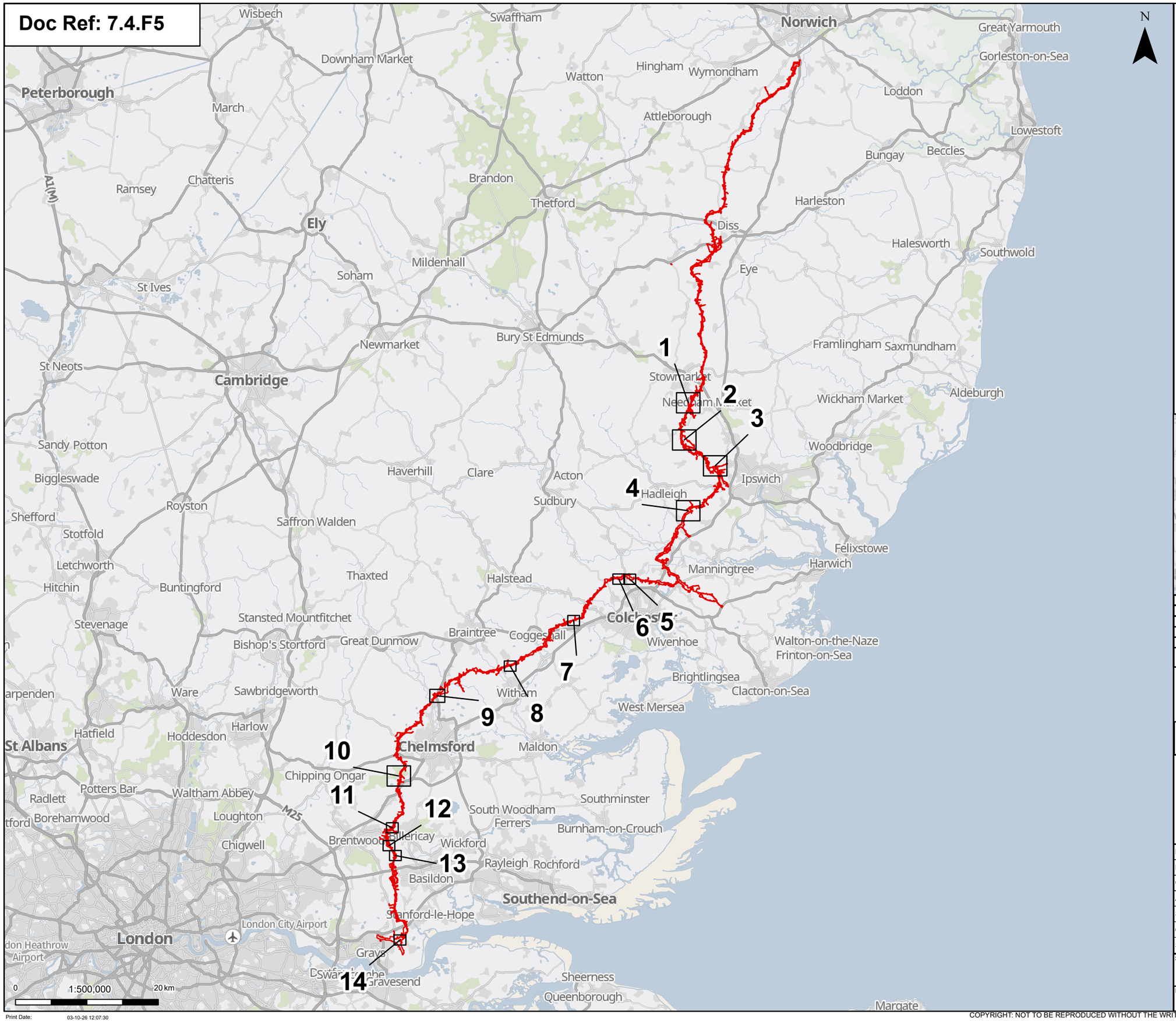
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Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
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Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00846
Revision: B

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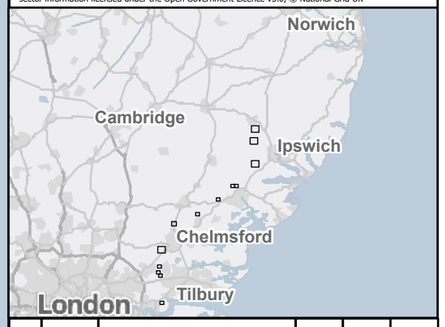
Doc Ref: 7.4.F5



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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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Overview

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:500,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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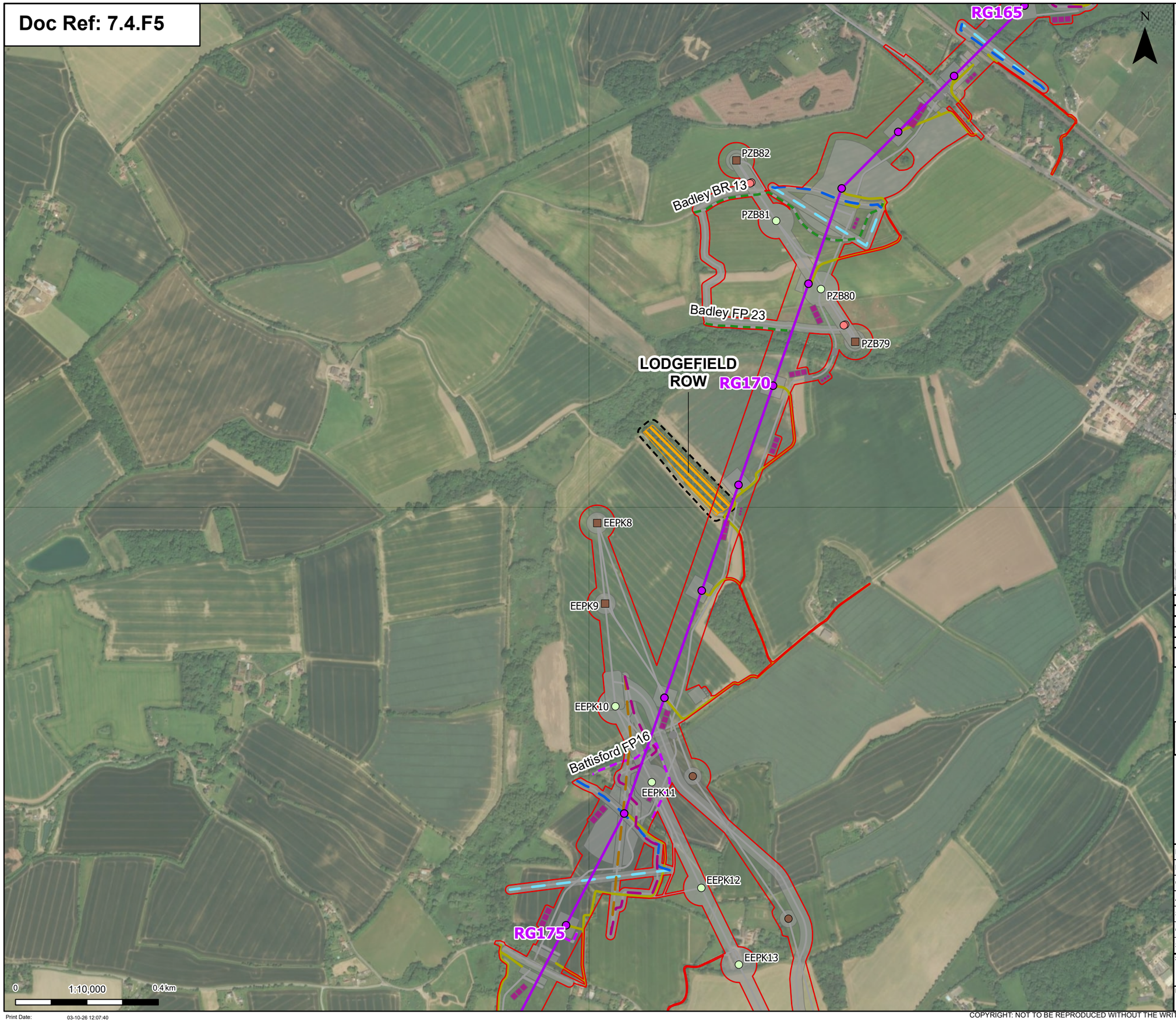
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Revision: B

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Doc Ref: 7.4.F5



Order limits

Proposed project design details

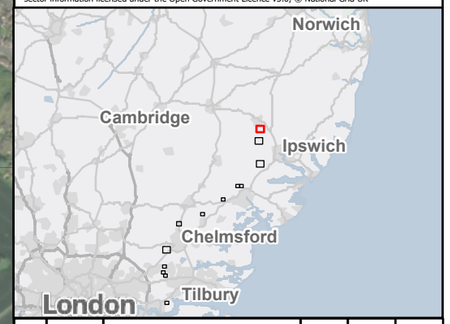
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN OHL New H Pole
- Proposed UKPN overhead line temporary structure (only angles)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Lodgefield Row (Section B) Page 1 of 14

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

Suitability Description:

Accepted as Concept Stage

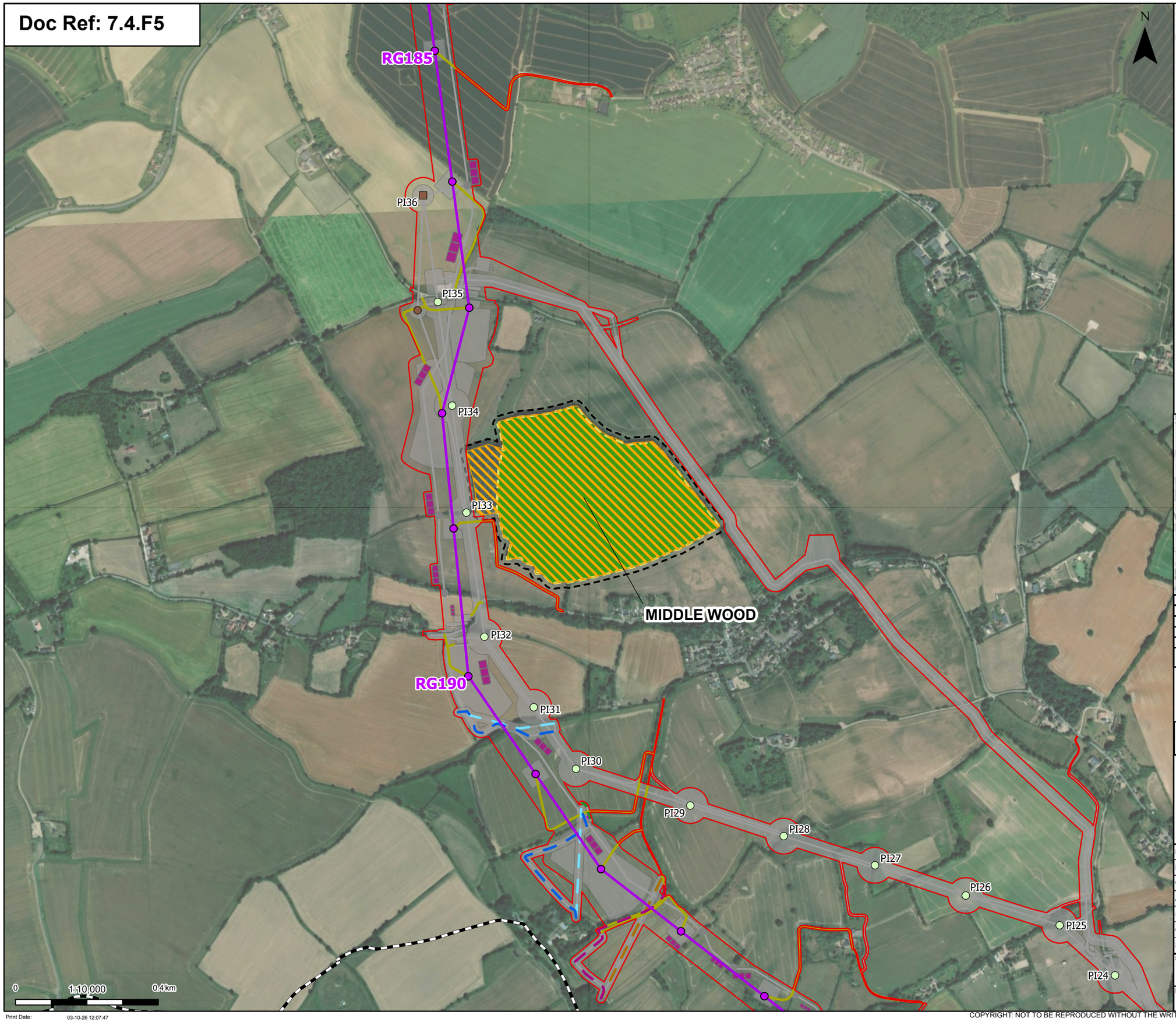
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Proposed project design details

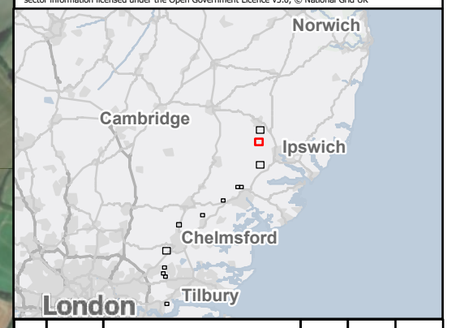
- Order limits
- Project section line
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN overhead line temporary structure (only angles)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Middle Wood (Section B)
Page 2 of 14

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

Suitability Description:
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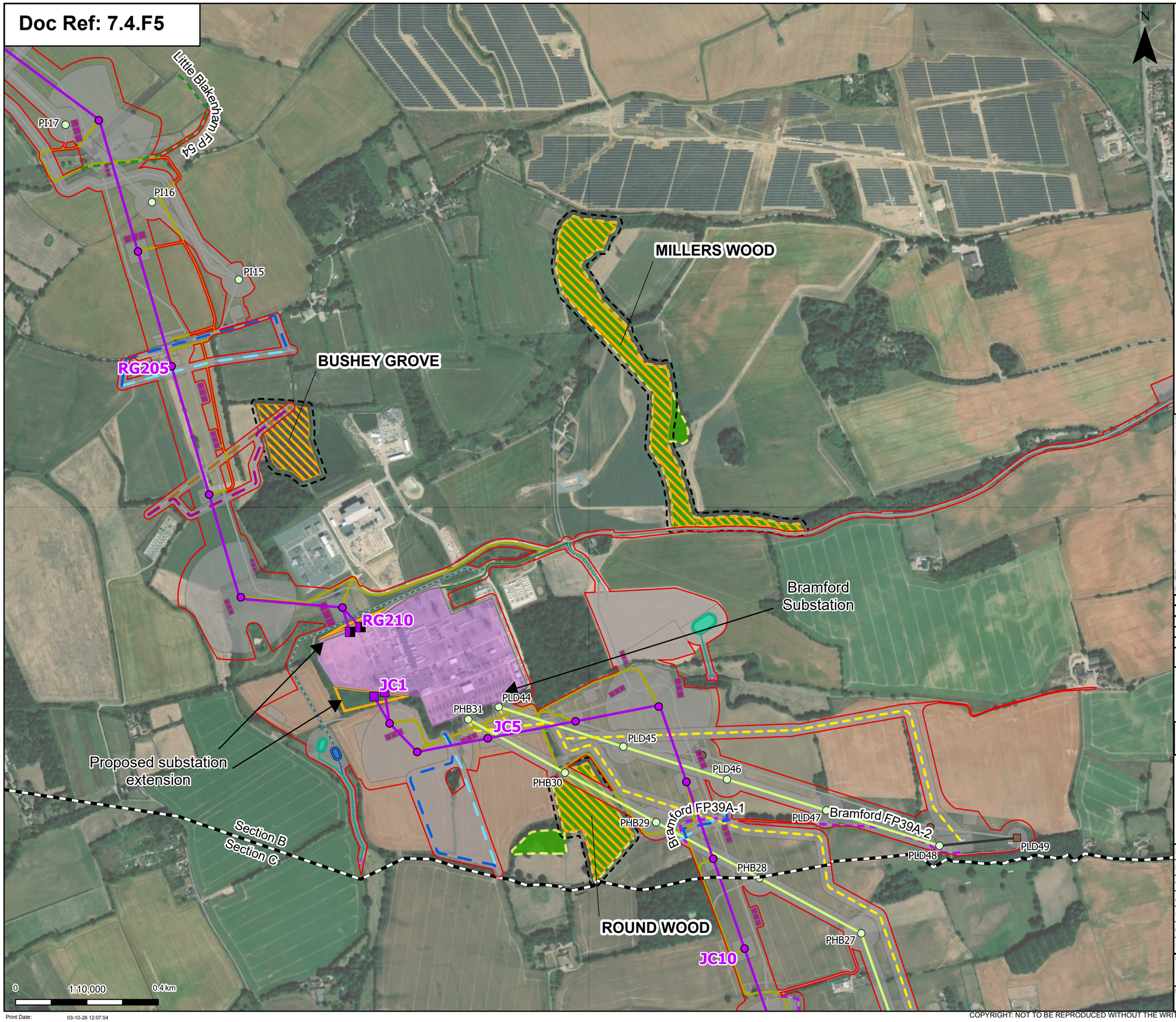
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- Order limits
- Project section line

Proposed project design details

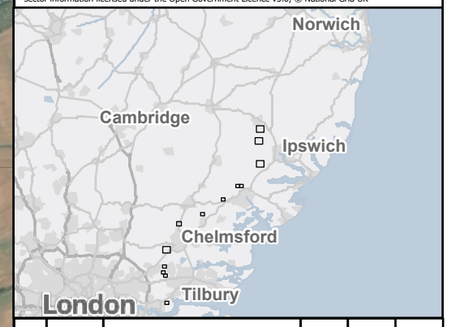
- Proposed full line tension gantry
- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Bramford Substation
- Bramford Substation Extension
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN overhead line temporary structure (only angles)
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Proposed UKPN dismantle centreline
- Proposed UKPN exisiting centreline (modified)
- Proposed UKPN Cable Centreline
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
- Proposed permanent access (no physical works)
- Proposed permanent drainage access route
- Proposed overhead line construction SuDS basin
- Proposed outfall location
- Proposed temporary attenuation drainage
- Proposed temporary attenuation drainage
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Proposed bypass haul road
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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	Mar 2026	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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Miller's Wood, Bushey Grove and Round Wood (Section B)
Page 3 of 14

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

Suitability Description:
Accepted as Concept Stage

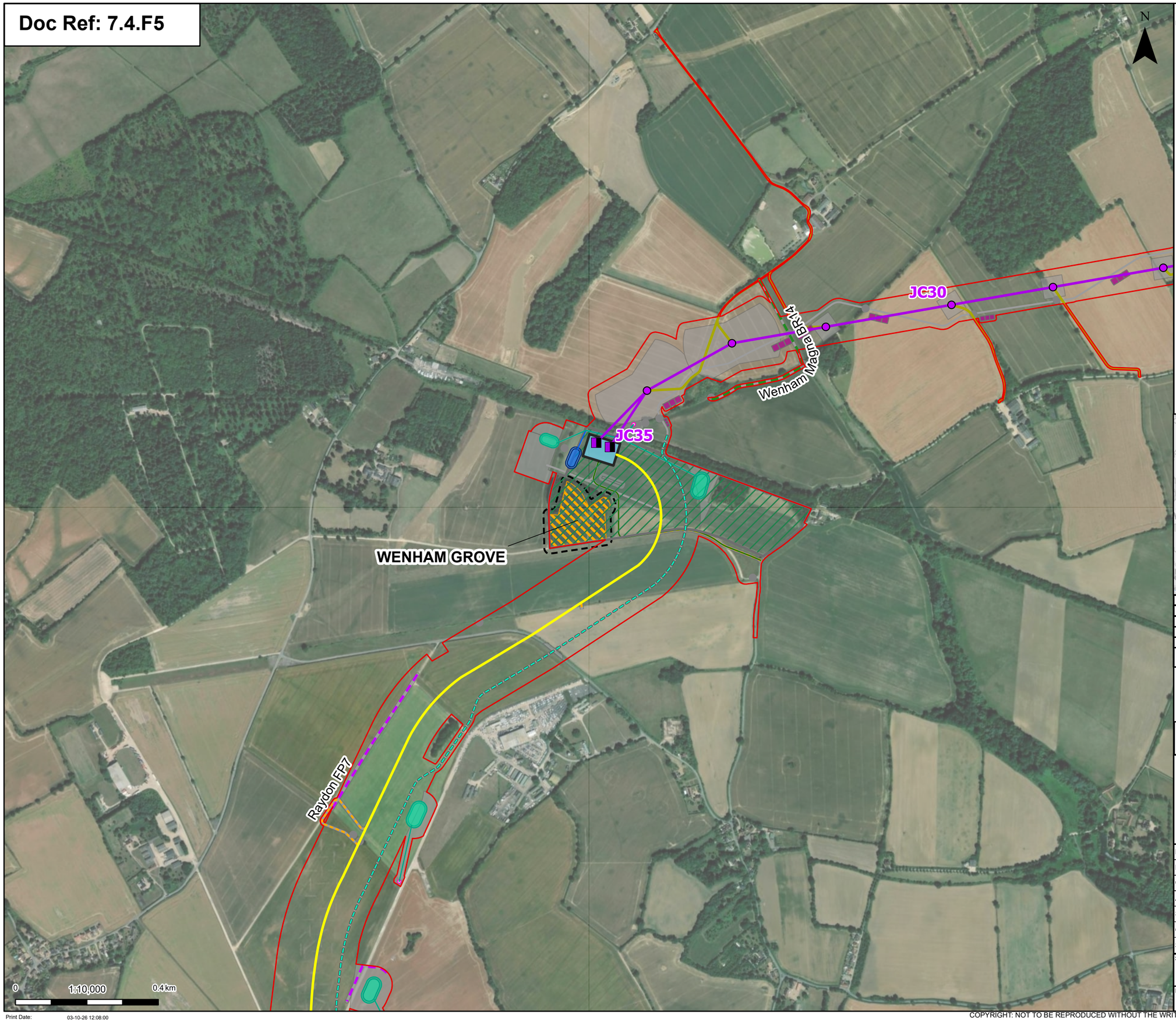
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

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Order limits

Proposed project design details

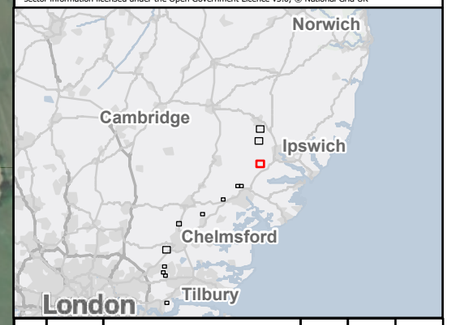
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed cable sealing end compound (CSEC)
- Proposed environmental and mitigation area
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
- Proposed permanent access (no physical works)
- Proposed cable permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed outfall location
- Proposed temporary attenuation drainage
- Proposed temporary attenuation drainage
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Proposed bypass haul road
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Wenham Grove (Section B)
Page 4 of 14

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

Suitability Description:
Accepted as Concept Stage

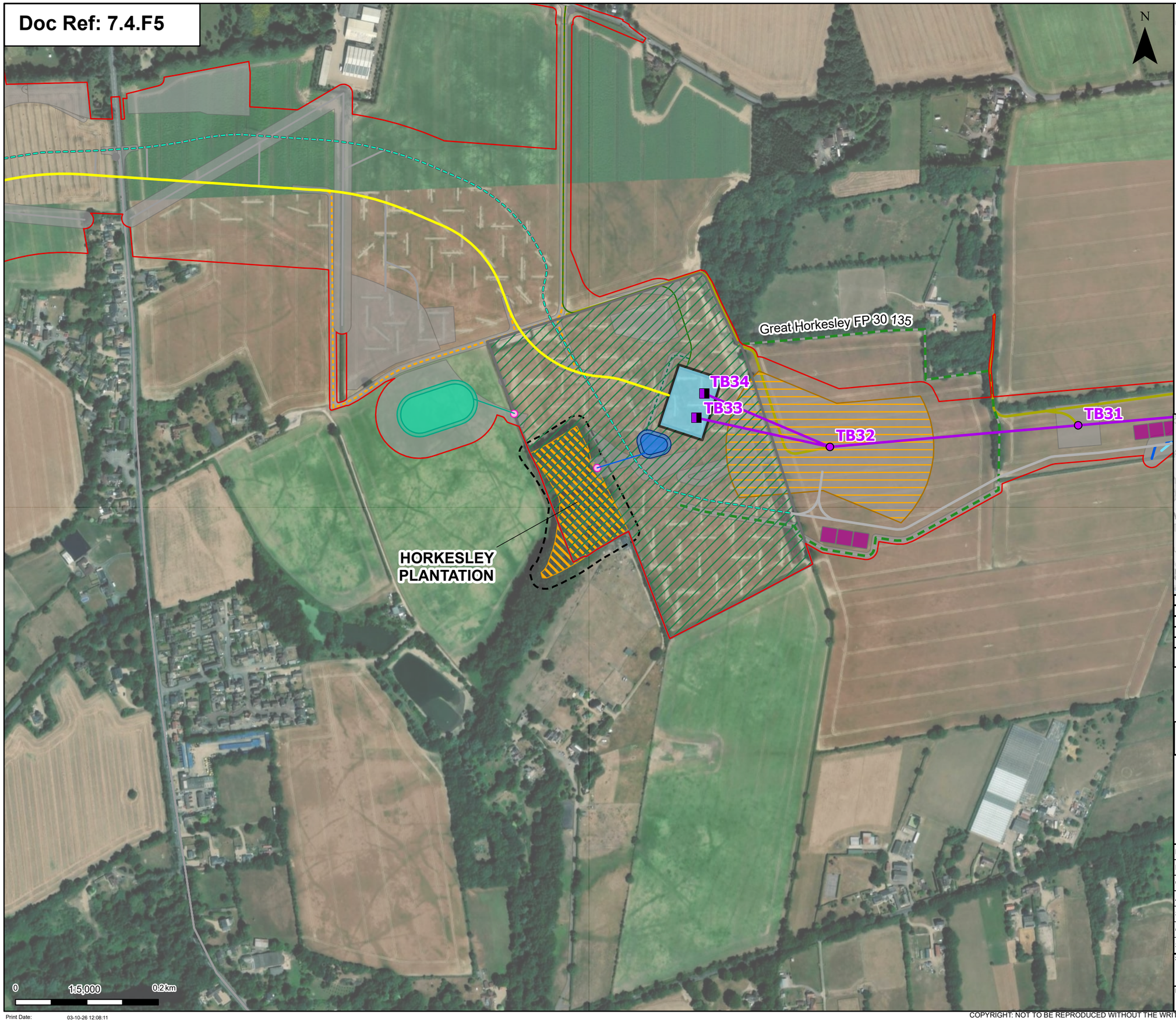
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

Print Date: 03-10-26 12:08:00

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Doc Ref: 7.4.F5



Proposed project design details

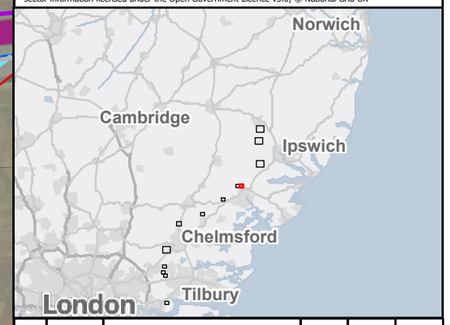
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- OHL Construction Access Routes
- Proposed cable sealing end compound (CSEC)
- Proposed environmental and mitigation area
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
- Proposed permanent access (no physical works)
- Proposed cable permanent access (no physical works)
- Order limits
- Proposed permanent drainage access route
- Proposed overhead line construction SuDS basin
- Proposed outfall location
- Proposed temporary attenuation drainage
- Proposed temporary attenuation drainage
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Proposed bypass haul road
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Horkesley Plantation (Section D)
Page 5 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

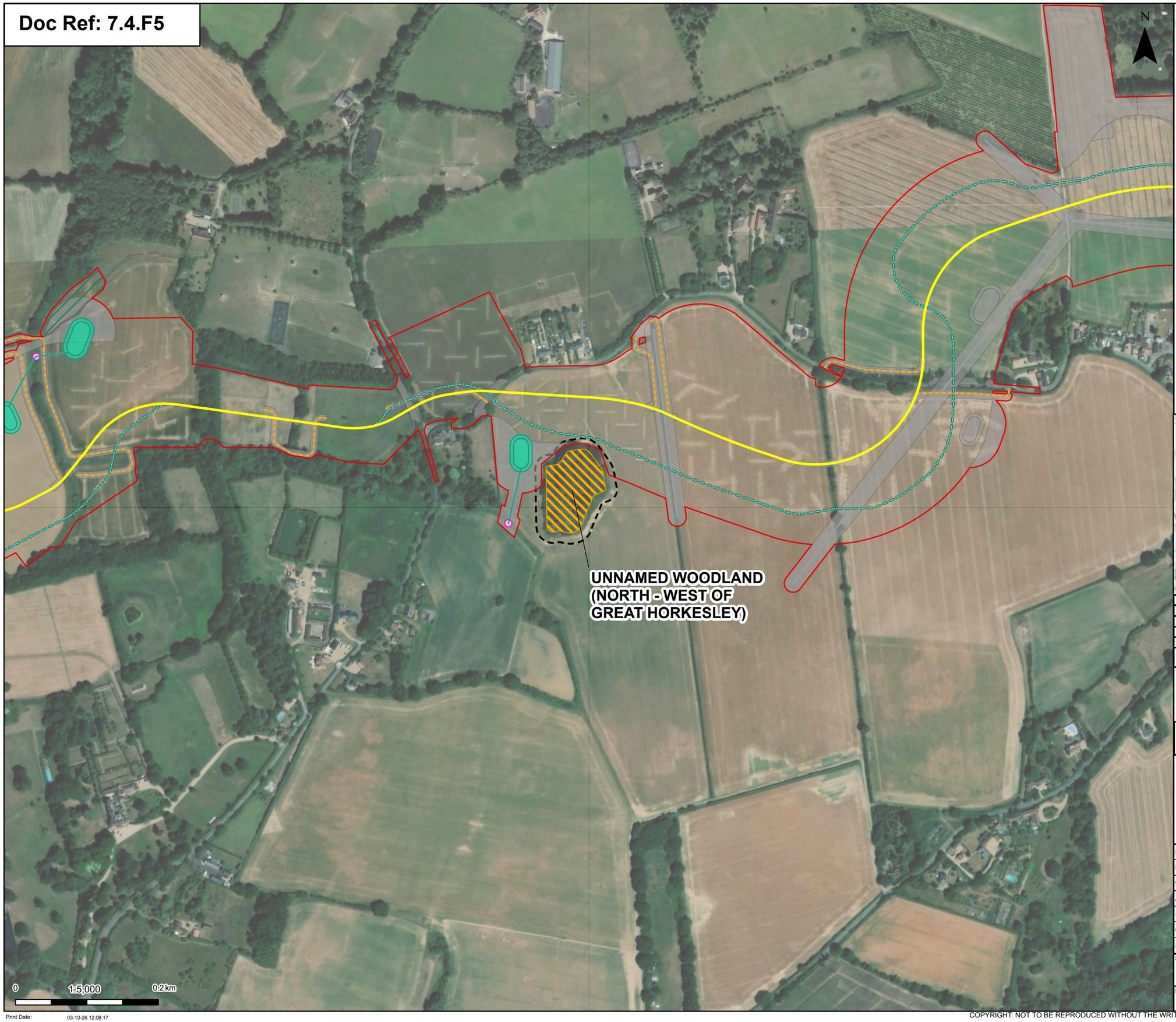
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

Print Date: 03-10-26 12:08:11

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Proposed project design details

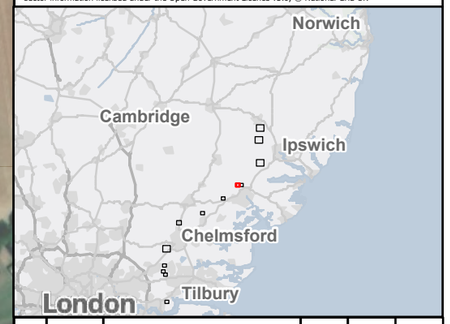
- Order limits
- Proposed underground cable alignment
- Proposed environmental and mitigation area
- Proposed cable permanent access (no physical works)
- Proposed outfall location
- Proposed temporary attenuation drainage
- Proposed temporary attenuation drainage
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Proposed bypass haul road
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:
Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Unnamed Woodland North-West of Great Horkesley Great Horkesley (Section D)
Page 6 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

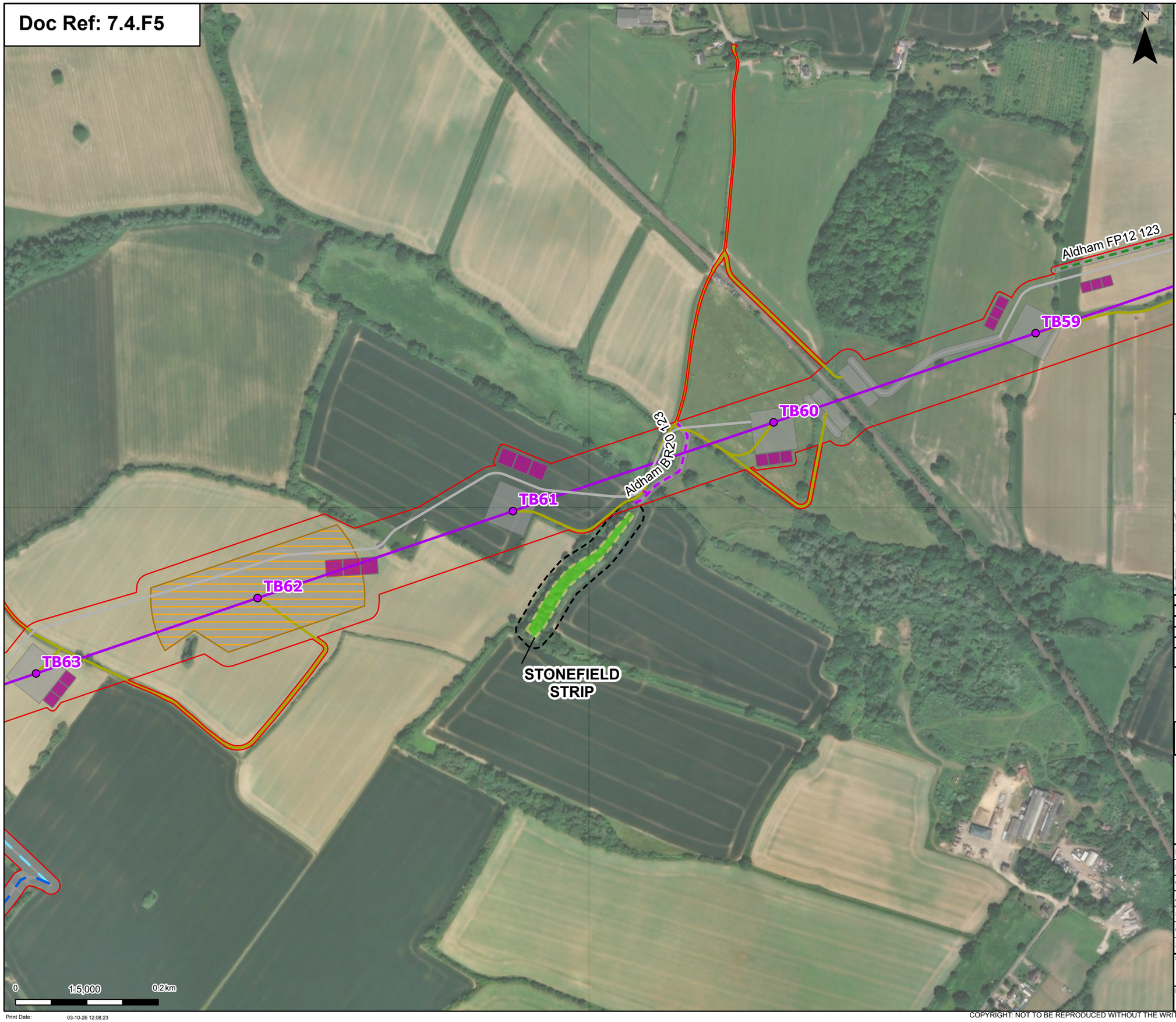
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844
Revision: B

Print Date: 03-10-26 12:08:17

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Doc Ref: 7.4.F5



- Order limits

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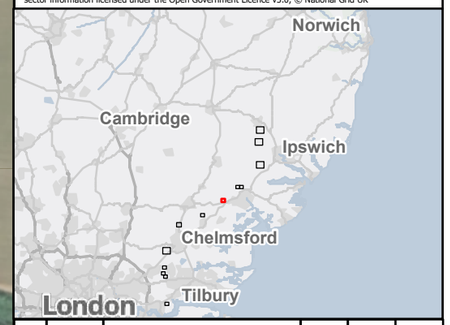
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Stonefield Strip (Section D)
Page 7 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

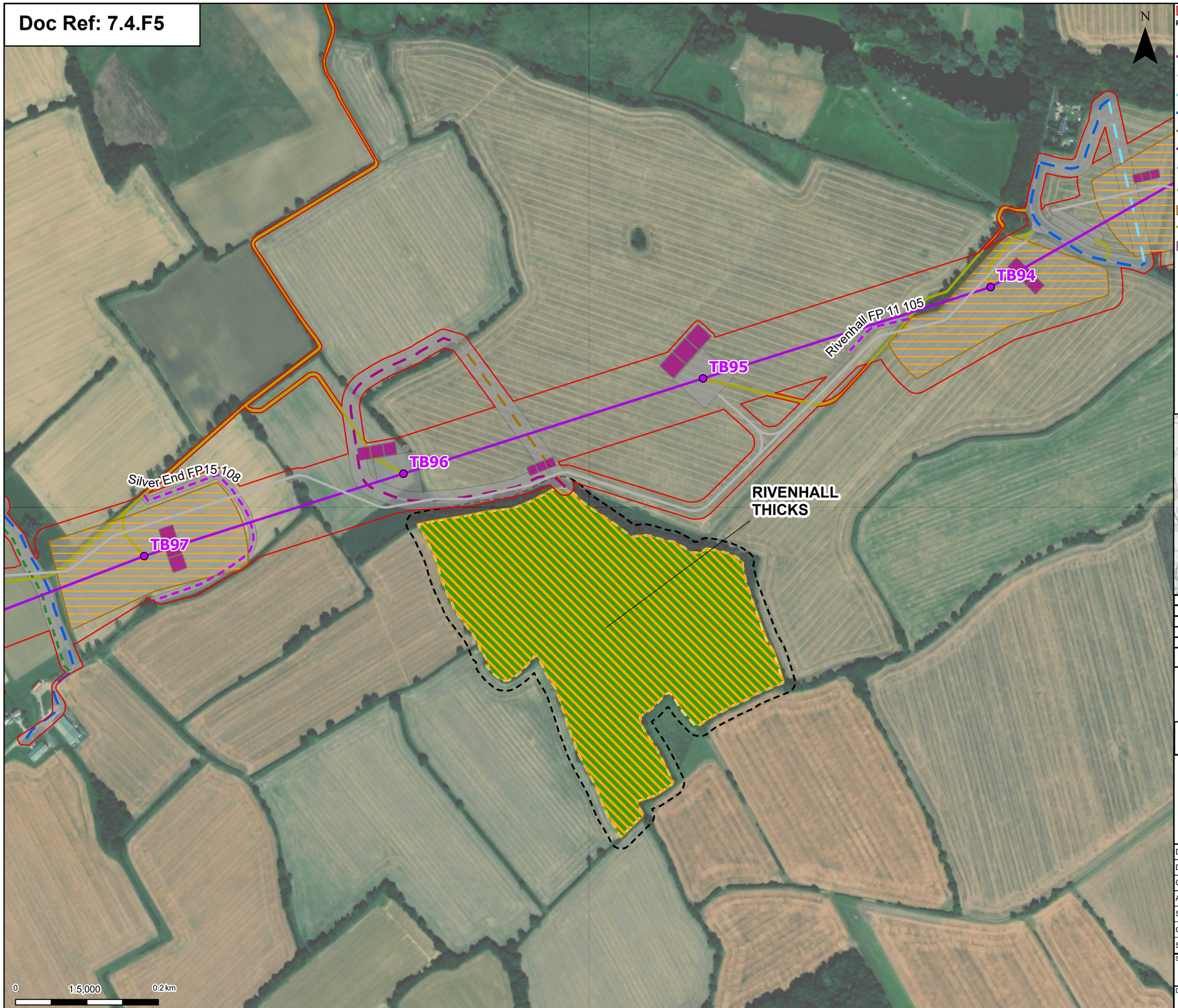
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

Print Date: 03-10-26 12:08:23

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Order limits

Proposed project design details

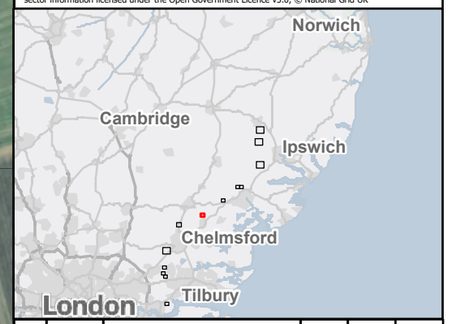
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Rivenhall Thicks (Section E)
Page 8 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

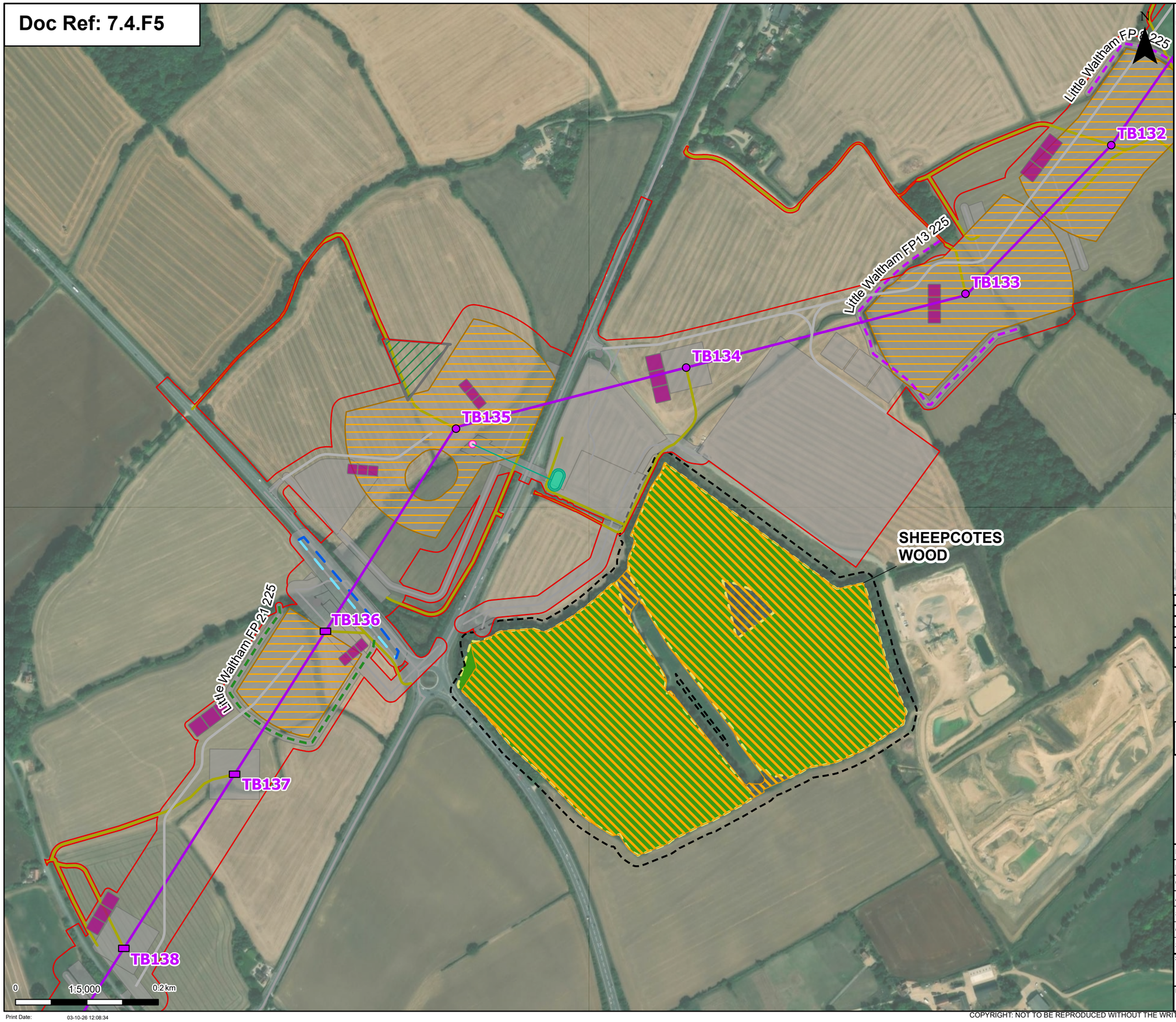
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

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Doc Ref: 7.4.F5



Order limits

Proposed project design details

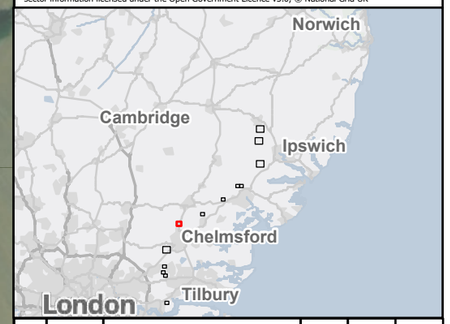
- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Proposed environmental and mitigation area
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed outfall location
- Proposed temporary attenuation drainage
- Proposed temporary attenuation drainage
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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	Mar 2026	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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Sheepcote's Wood (Section F)
Page 9 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

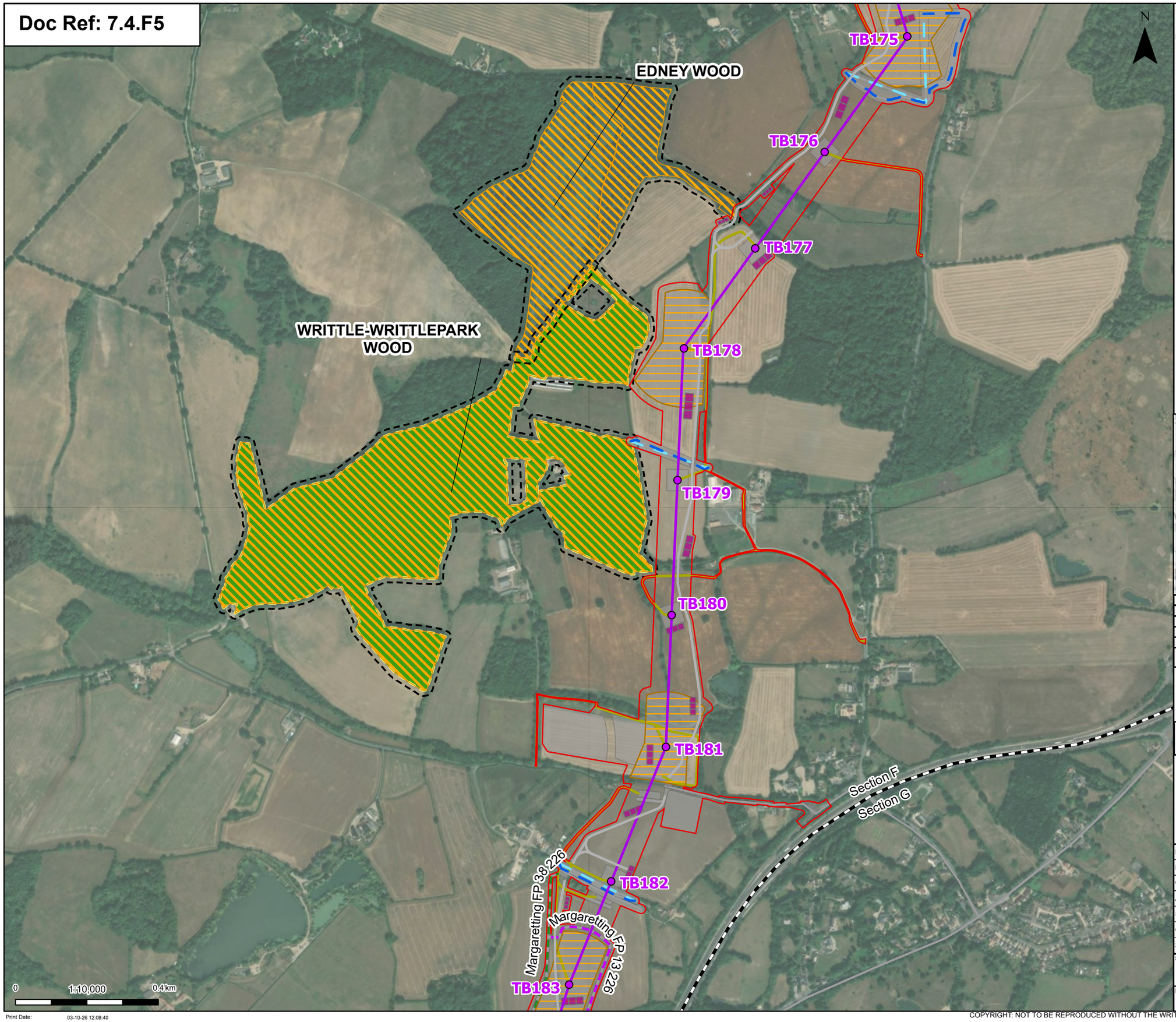
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

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- Order limits
- Project section line

Proposed project design details

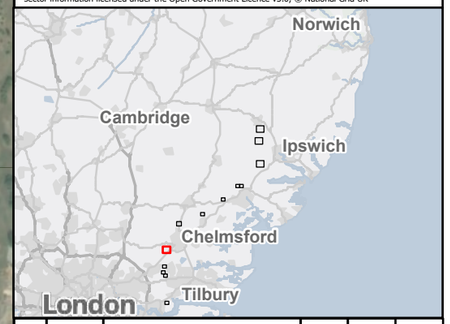
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Edney Wood and Writtle-Writtlepark Woods (Section F)
Page 10 of 14

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

Suitability Description: Accepted as Concept Stage

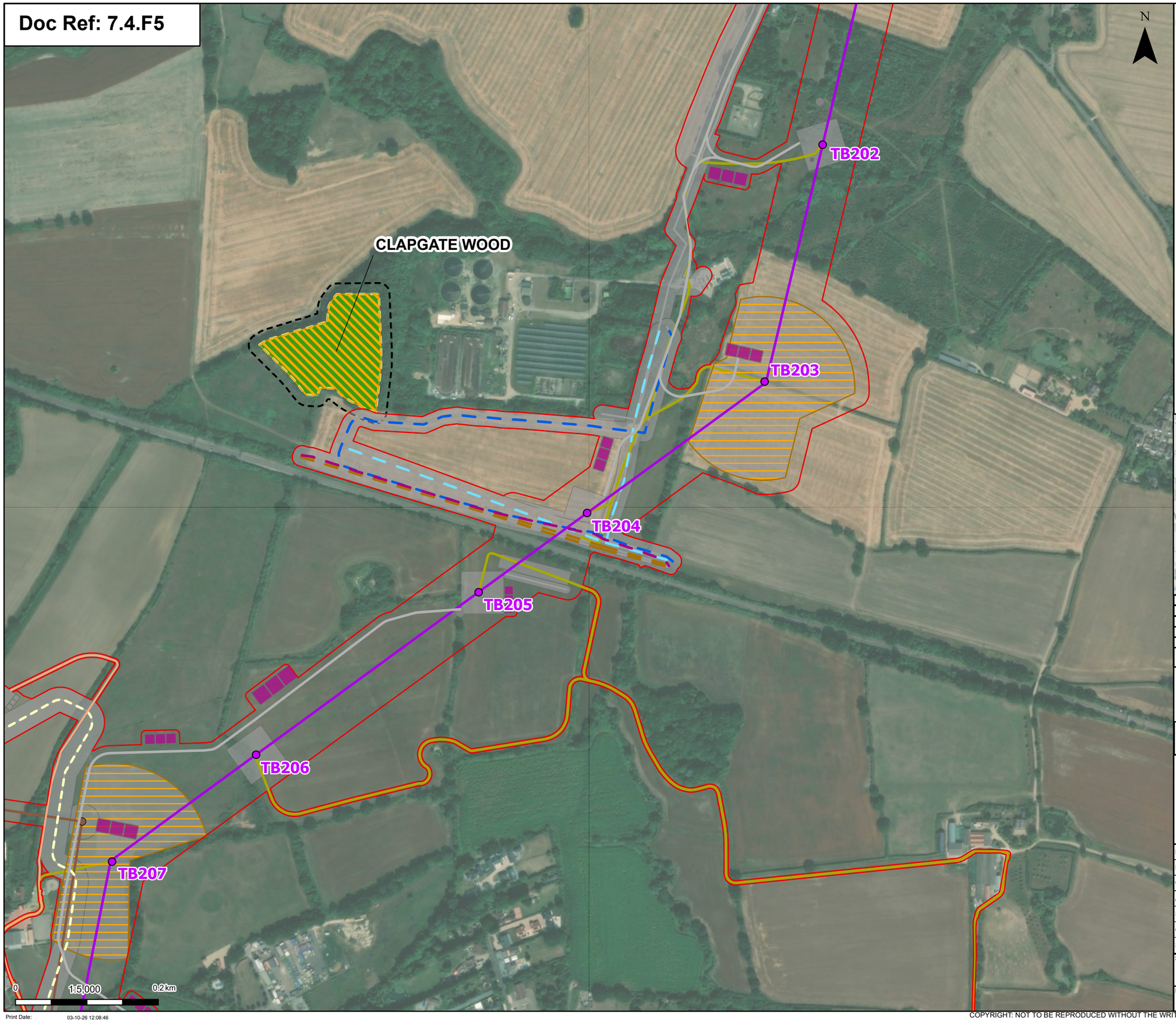
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

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Proposed project design details

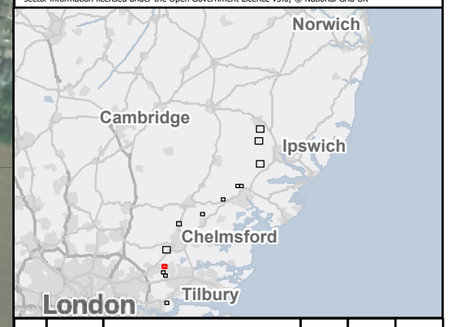
- Order limits
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Proposed environmental and mitigation area
- Proposed UKPN overhead line temporary structure (only angles)
- UKPN Cable Centreline
- UKPN Temp Diversion Centreline
- UKPN Tower Access
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites (Ancient Woodland Inventory as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Clapgate Wood (Section G)
Page 11 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

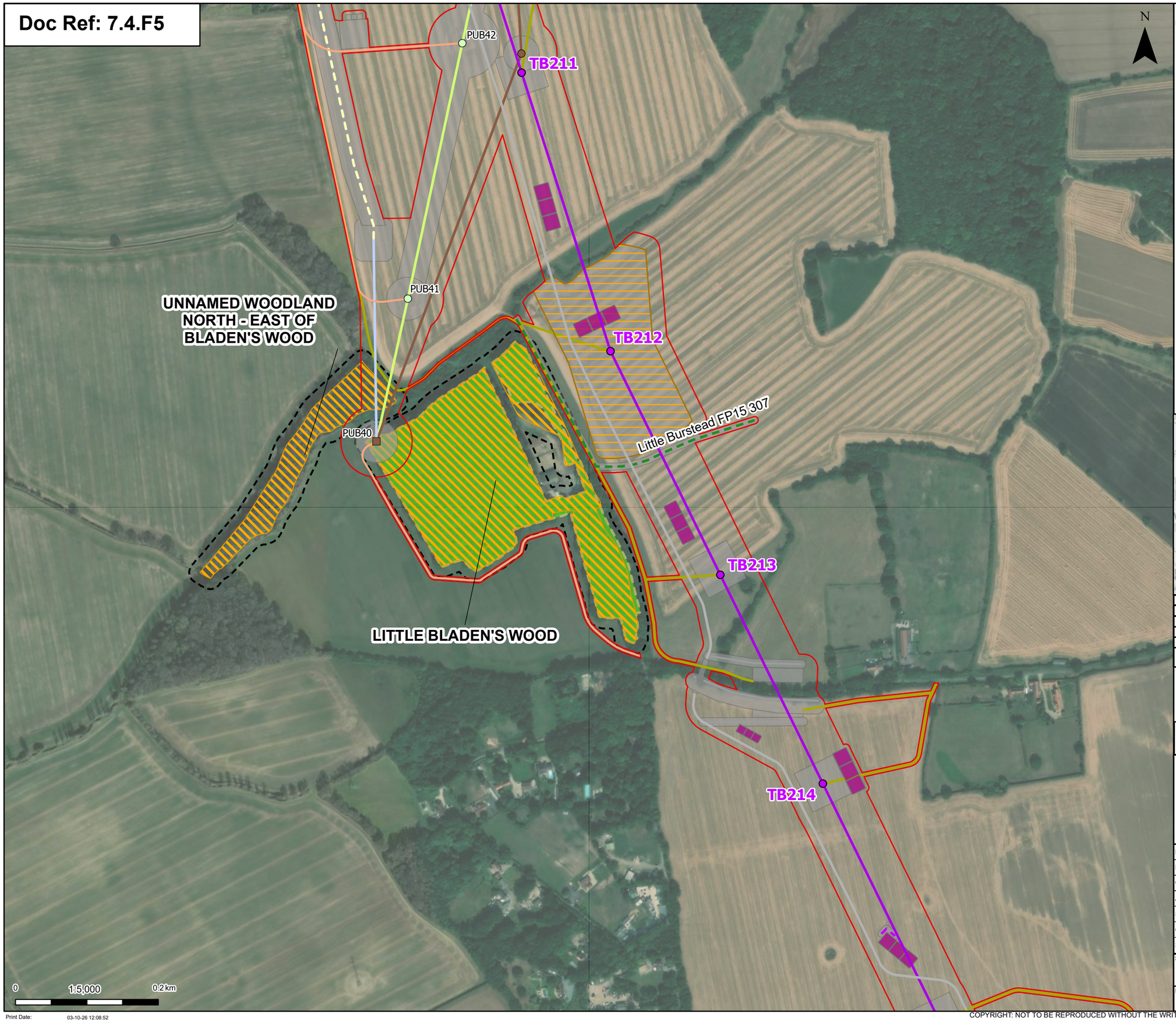
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Revision: B

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- Order limits

Proposed project design details

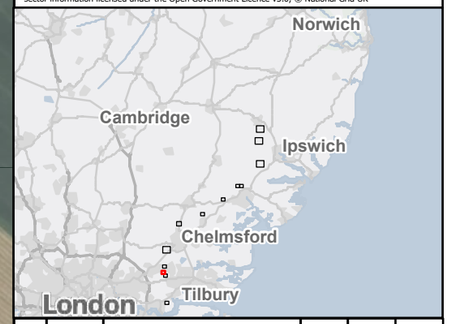
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN overhead line temporary structure (only angles)
- UKPN Cable Centreline
- UKPN Dismantle Centreline
- UKPN New Centreline
- UKPN Temp Diversion Centreline
- UKPN Tower Access
- Public Right of Way Temporary Diversion
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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	Mar 2026	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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Unnamed Woodland North-East of Bladen's Wood and Little Bladen's Wood (Section G)
Page 12 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

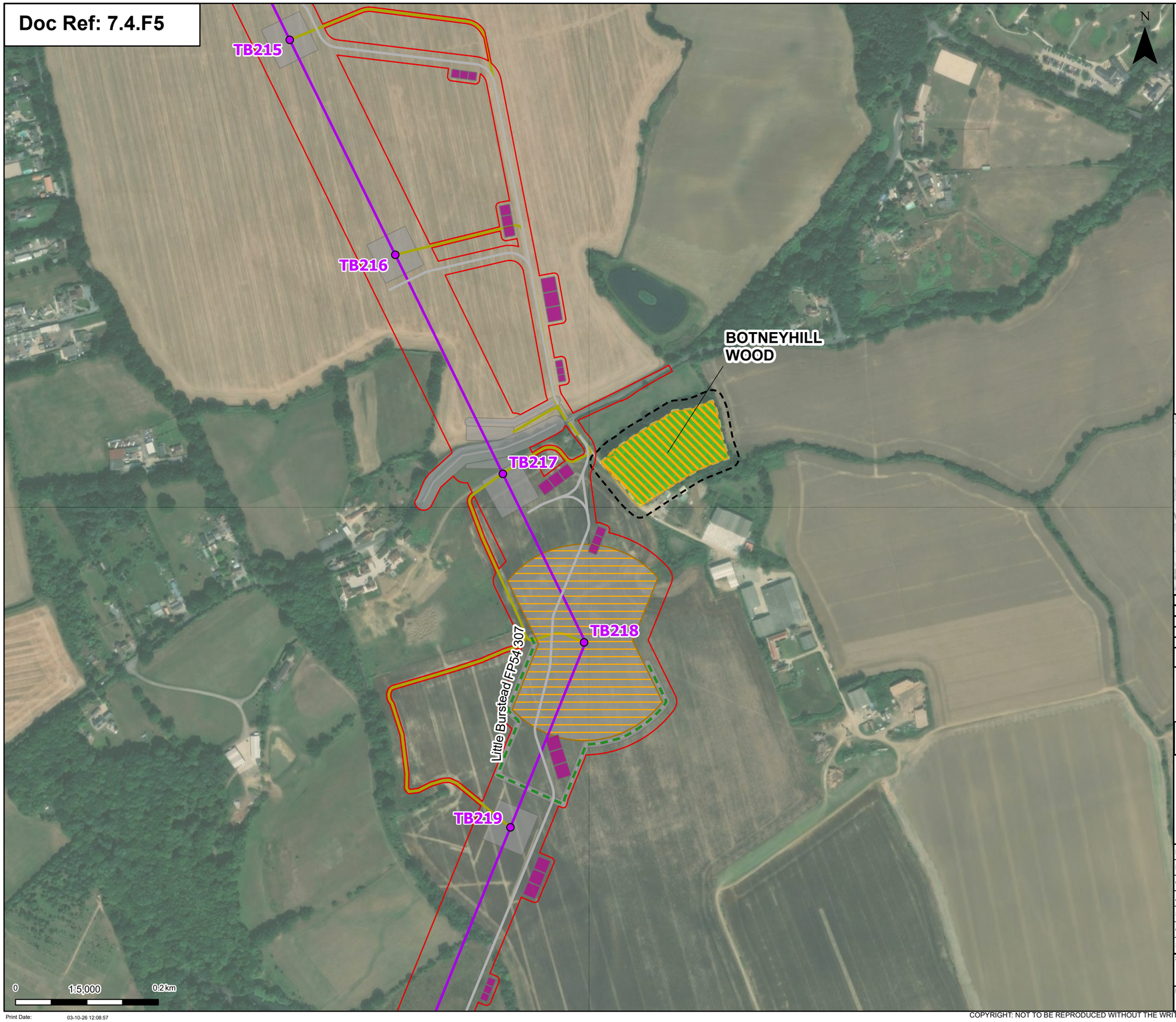
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

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Doc Ref: 7.4.F5



Order limits

Proposed project design details

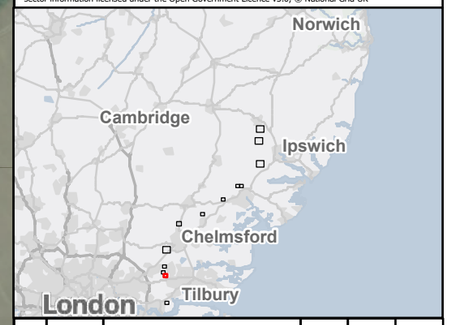
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed overhead line construction SuDS basin
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)
- Updated Ancient Woodland Sites (Ancient Woodland Inventory as per October 2025)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Botneyhill Wood (Section G)
Page 13 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

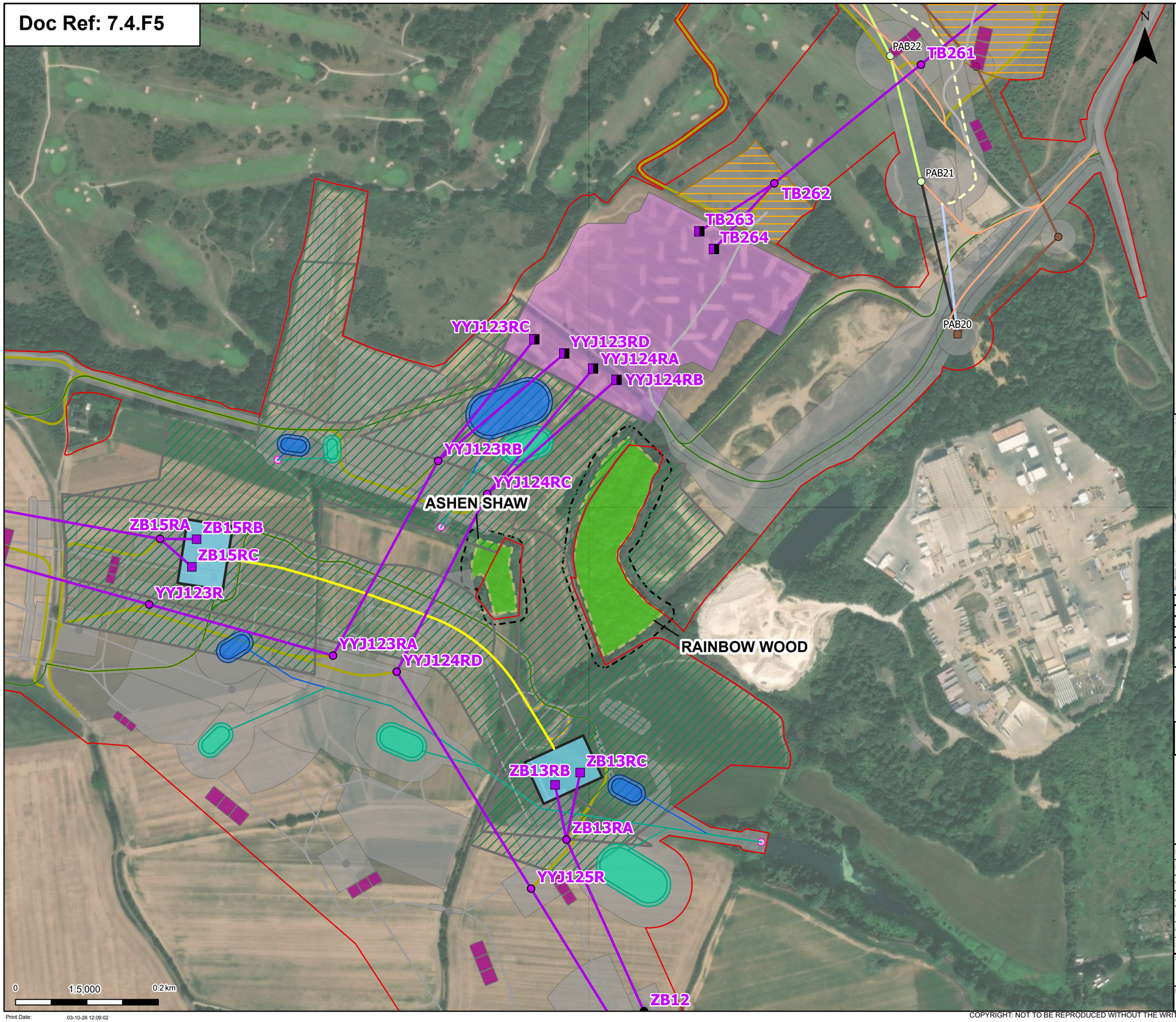
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

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Doc Ref: 7.4.F5



- Order limits

Proposed project design details

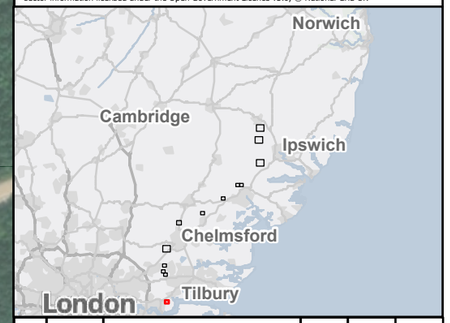
- Proposed full line tension gantry
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- OHL Construction Access Routes
- Proposed Tilbury North Substation
- Proposed cable sealing end compound (CSEC)
- Proposed environmental and mitigation area
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN overhead line temporary structure (only angles)
- UKPN Cable Centreline
- UKPN Dismantle Centreline
- UKPN New Centreline
- UKPN Existing Centreline (Modified)
- UKPN Temp Diversion Centreline
- UKPN Tower Access
- Pulling locations
- Proposed Substation / Cable Sealing End (CSE) compound permanent access routes
- Proposed permanent access (no physical works)
- Proposed cable permanent access (no physical works)
- Proposed permanent drainage access route
- Proposed overhead line construction SuDS basin
- Proposed outfall location
- Proposed temporary attenuation drainage
- Proposed temporary attenuation drainage
- Proposed permanent attenuation drainage channel
- Proposed permanent attenuation drainage pond
- Other temporary and permanent construction and operational works

Discipline specific constraints

- 15m buffer
- Ancient Woodland Sites that are not shown on the Ancient Woodland Inventory (as per DCO Submission)

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the 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)

Title:

Figure B.A.2 - Outline Landscape and Ecological Management Plan - Ancient Woodland Subject to Mitigation Rainbow Wood and Ashen Shaw (Section H)
Page 14 of 14

Designed	E. Pickering	Date	March 26
Drawn	K. Fischer	Date	March 26
Checked	A. Fell	Date	March 26
Approved	K. Burrows	Date	March 26
Scale:	1:5,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

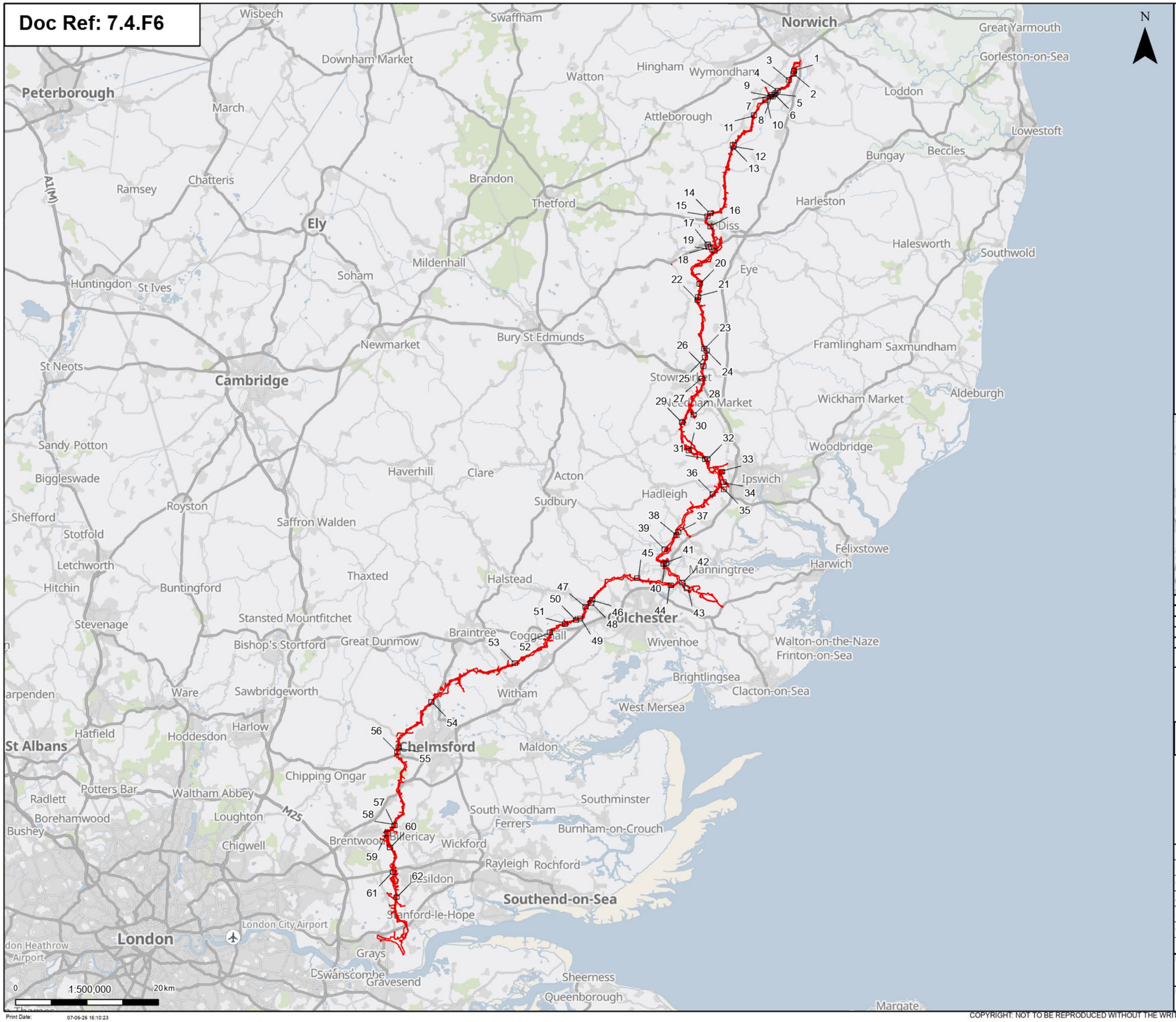
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00844

Revision: B

Print Date: 03-10-26 12:09:02

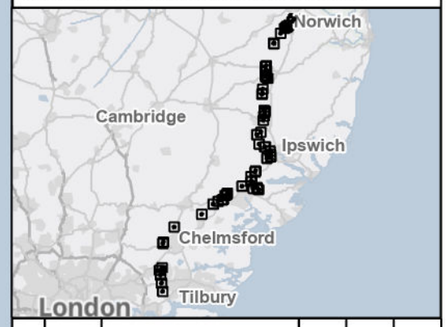
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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations Overview

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:500,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

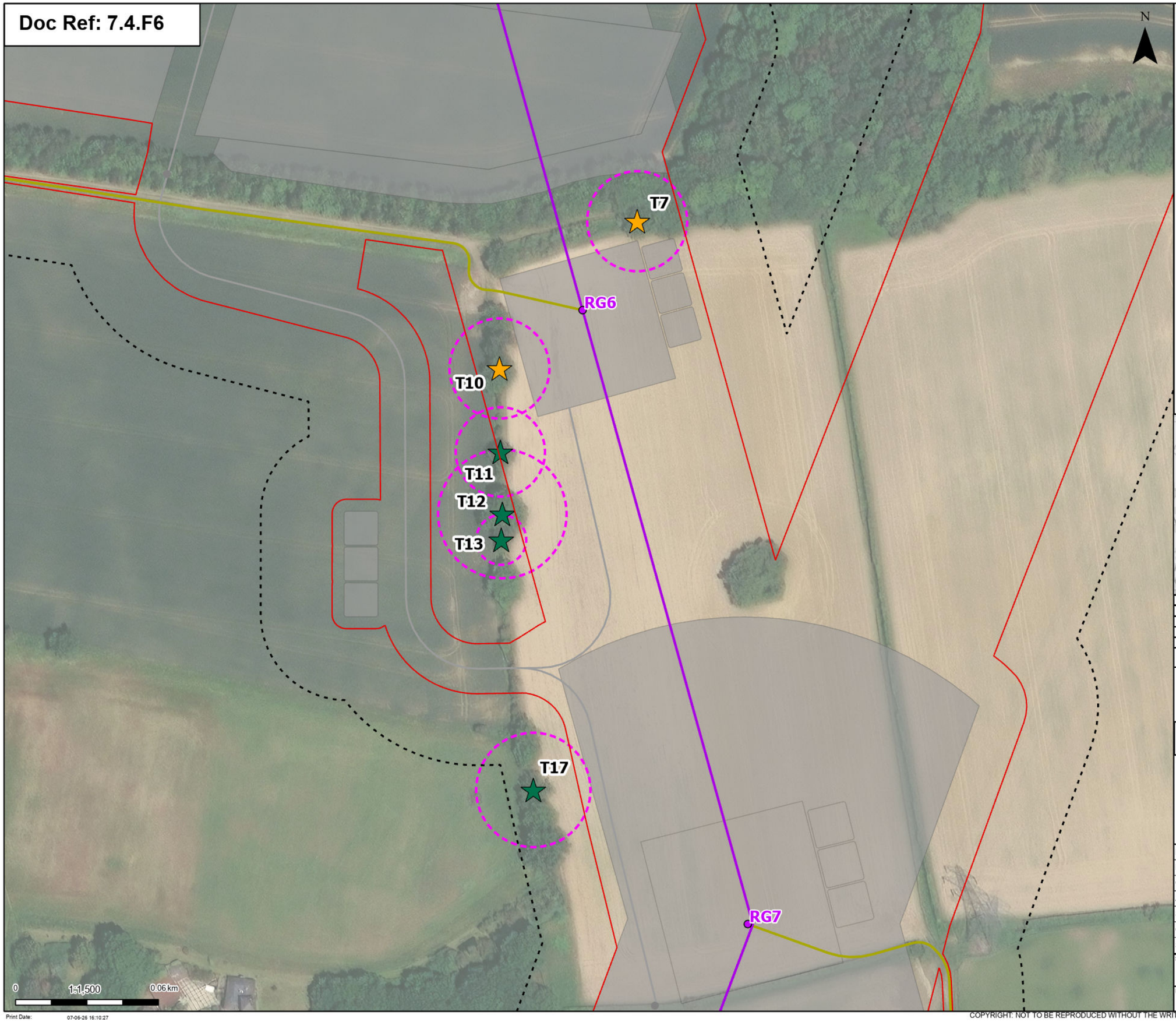
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

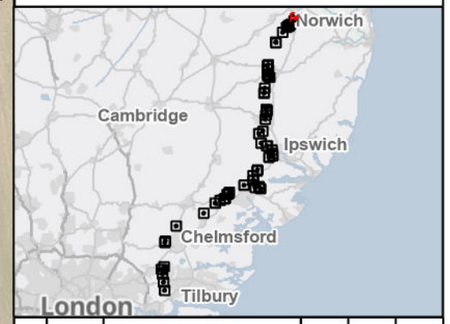
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 1 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

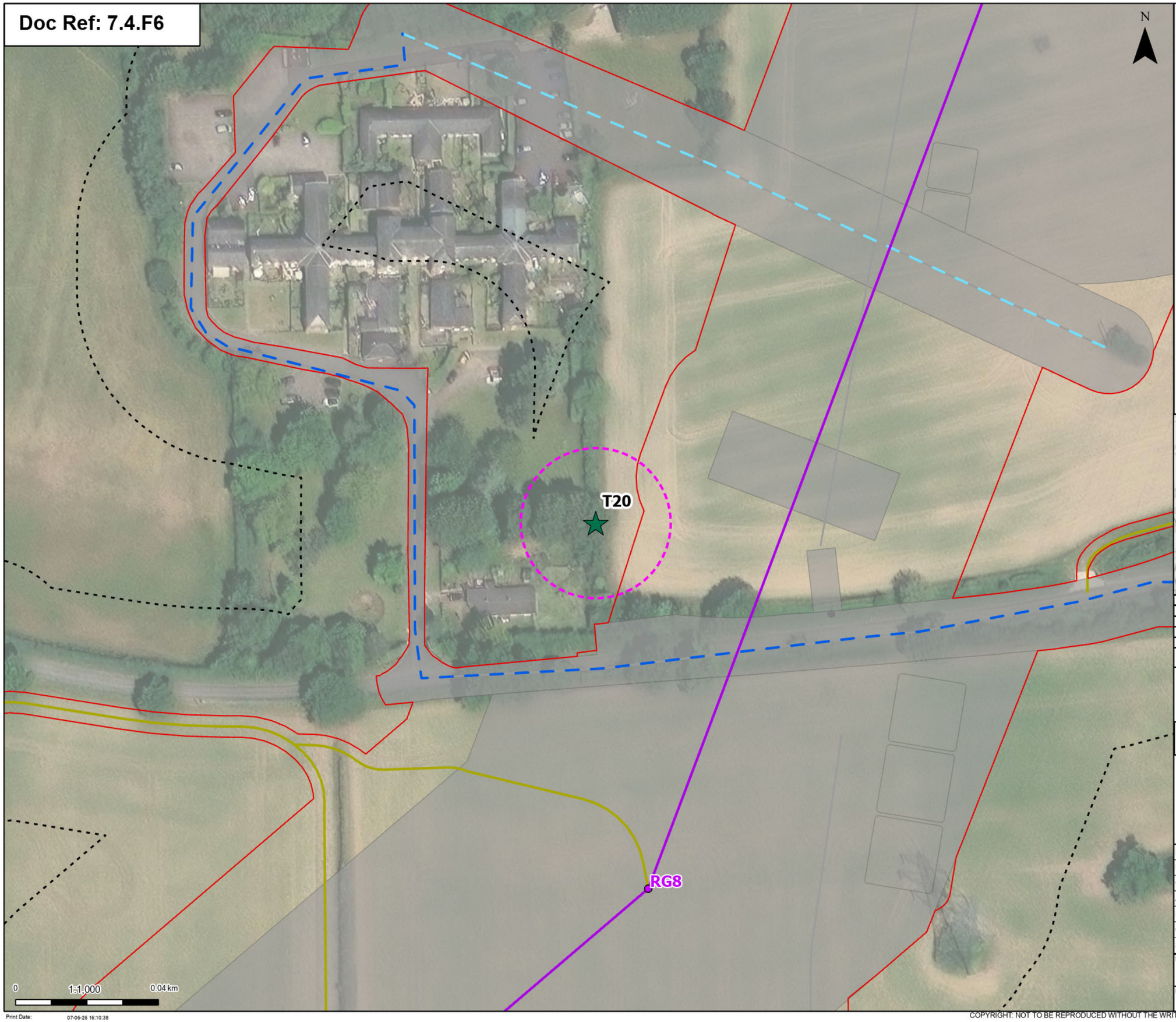
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Order limits

Proposed project design details

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

Discipline specific constraints

- Arboriculture Study Area

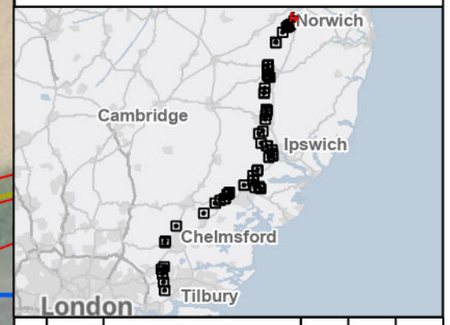
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
2 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

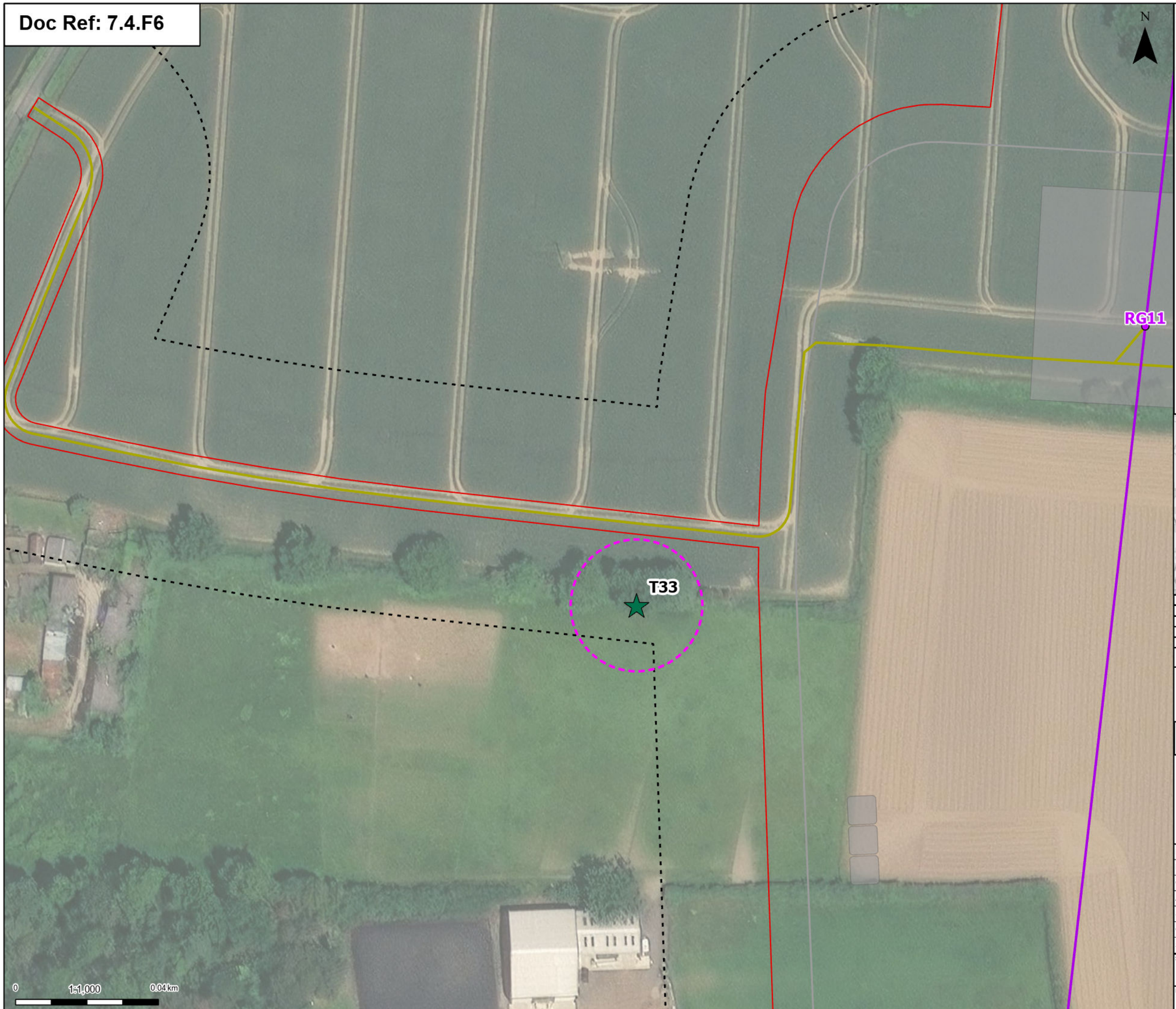
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

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Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

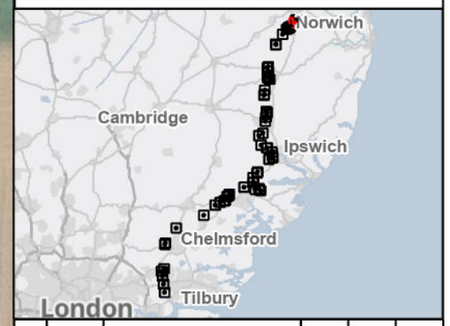
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
3 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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:
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Print Date: 07-06-26 16:10:50

Order limits

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints
- Arboriculture Study Area

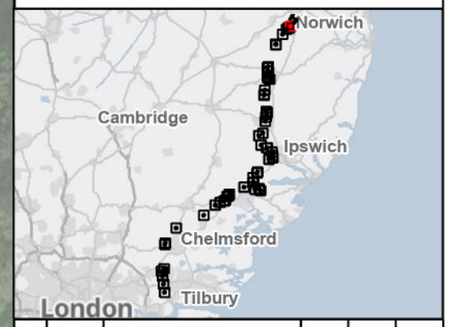
Veteran Trees

Group of trees - Impact
- Unaffected

- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
4 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

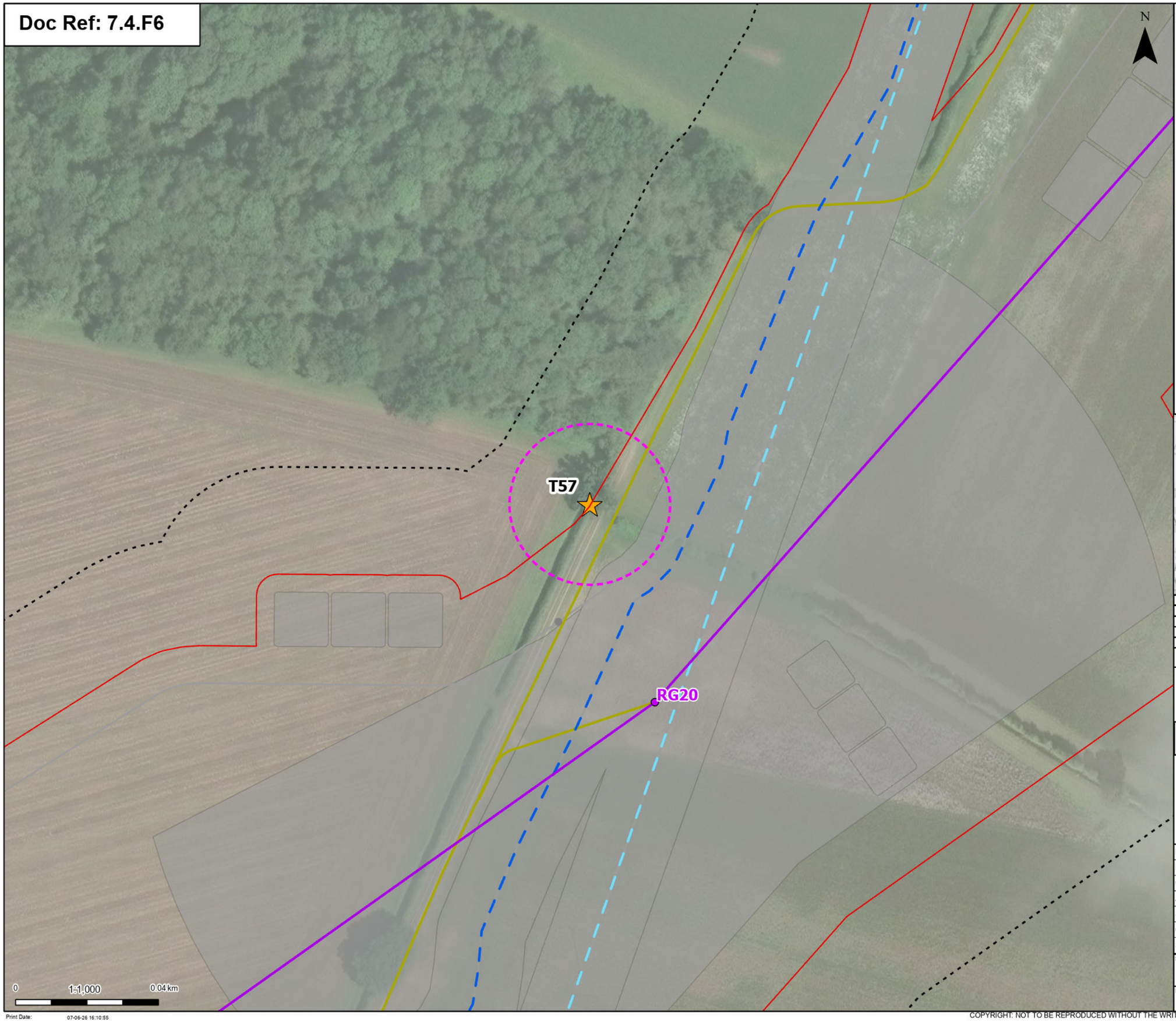
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

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Order limits

Proposed project design details

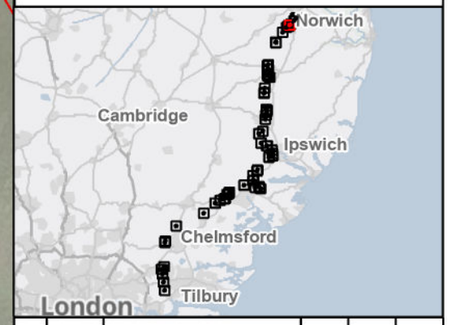
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Potentially Affected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
5 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

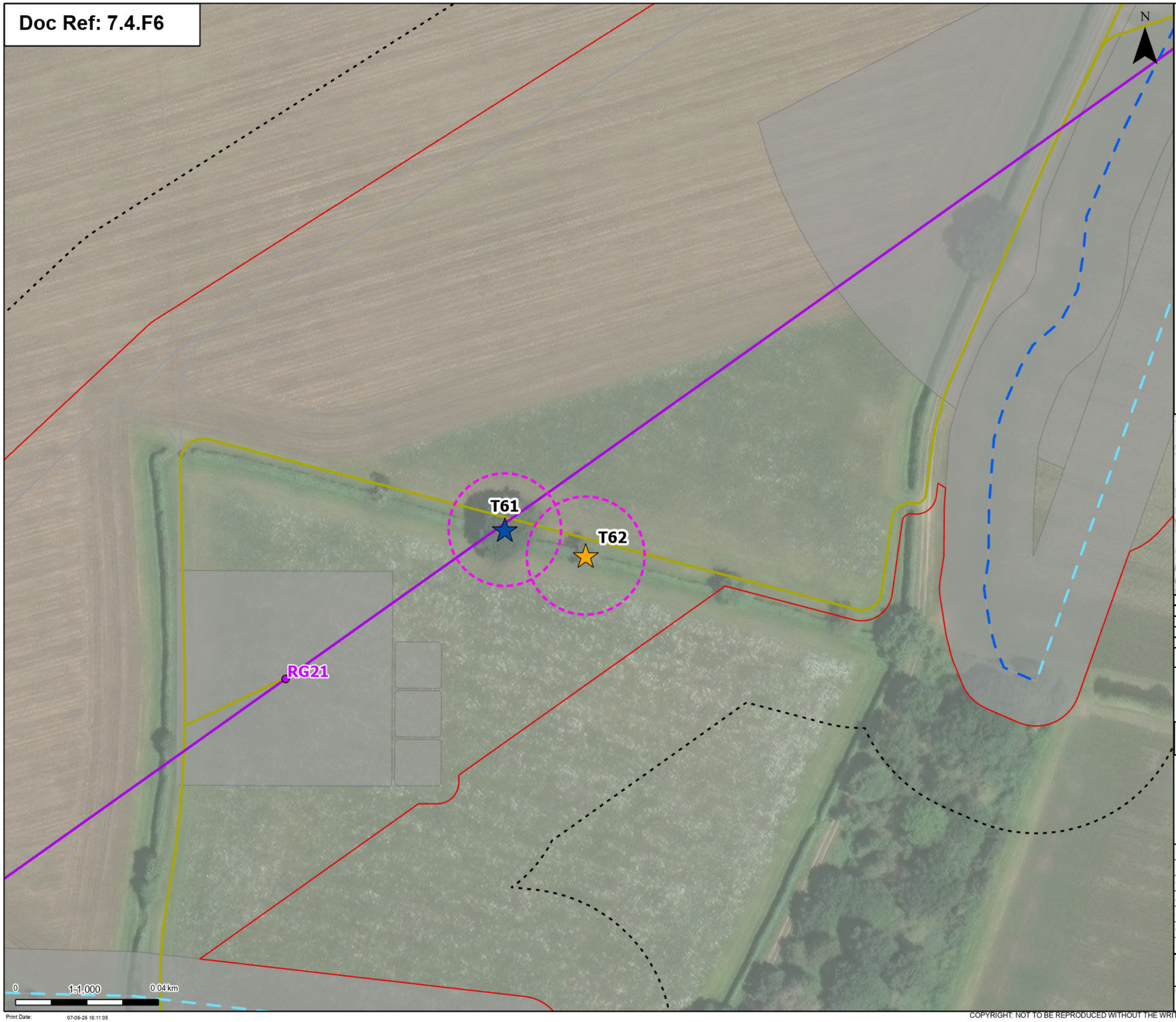
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

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Order limits

Proposed project design details

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

Discipline specific constraints

- Arboriculture Study Area

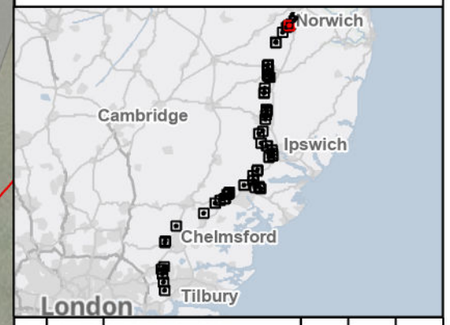
Veteran Trees

Group of trees - Impact

- Affected Managed
- Potentially Affected
- Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 6 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

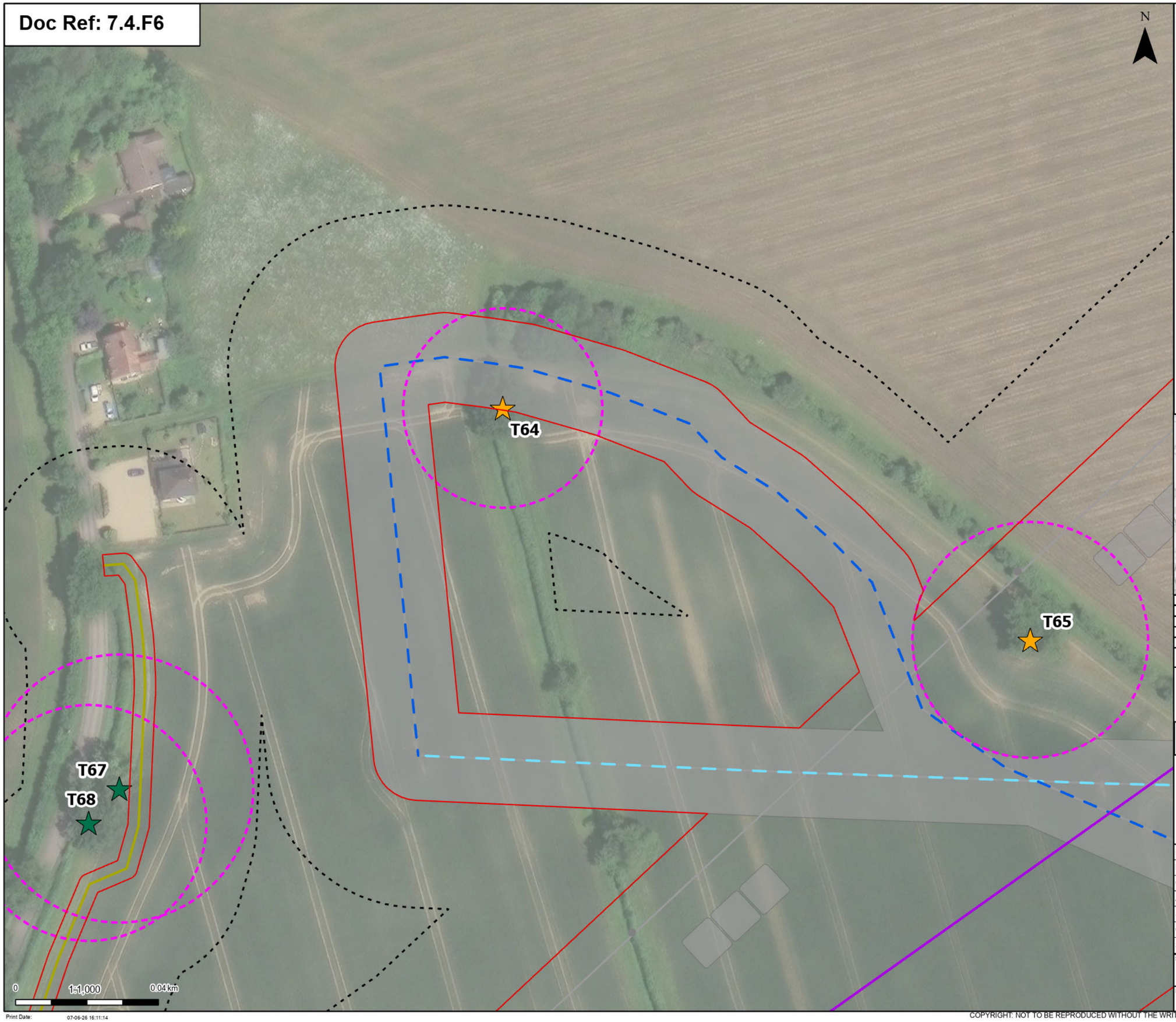
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

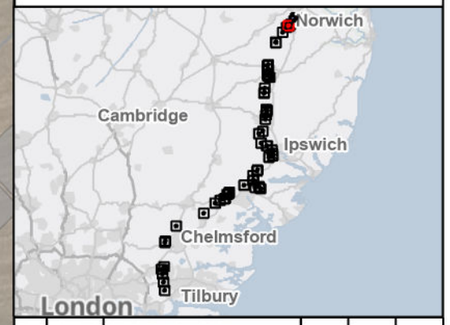
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Potentially Affected
- Unaffected
- Veteran Trees- Root protection 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	July 2026	FOR DCO APPLICATION	JAL	AF	KB
A	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 7 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

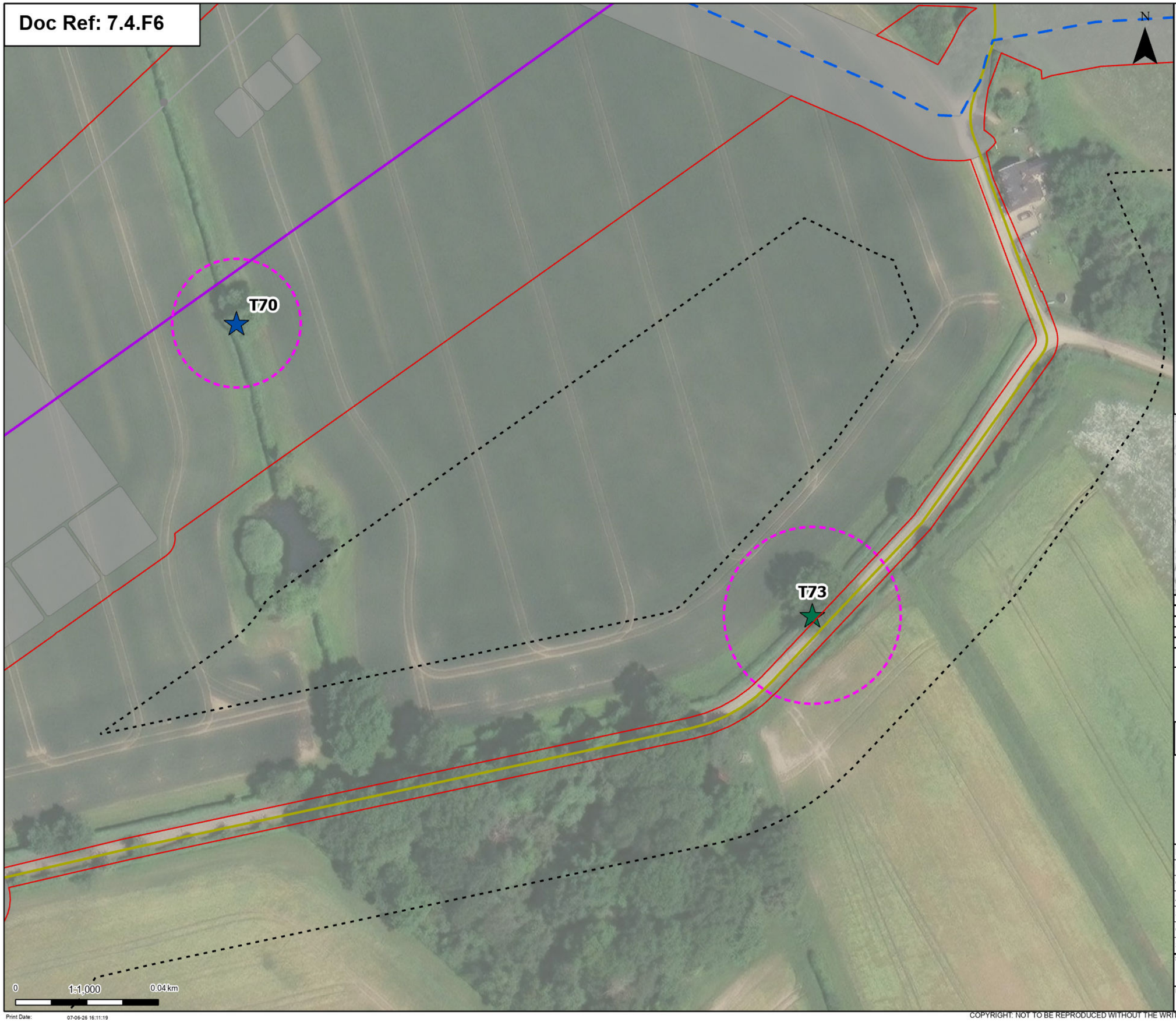
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

Print Date: 07-06-26 16:11:14

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- Proposed overhead line alignment
- Proposed 11kV underground cable alignment mitigation
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

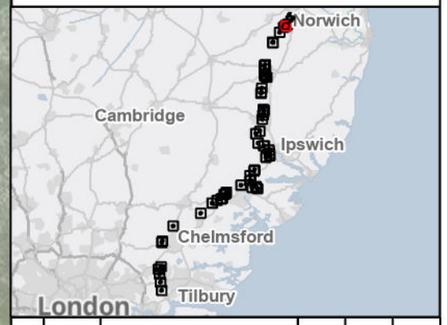
Veteran Trees

Group of trees - Impact

- Affected Managed
- Unaffected
- Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
8 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

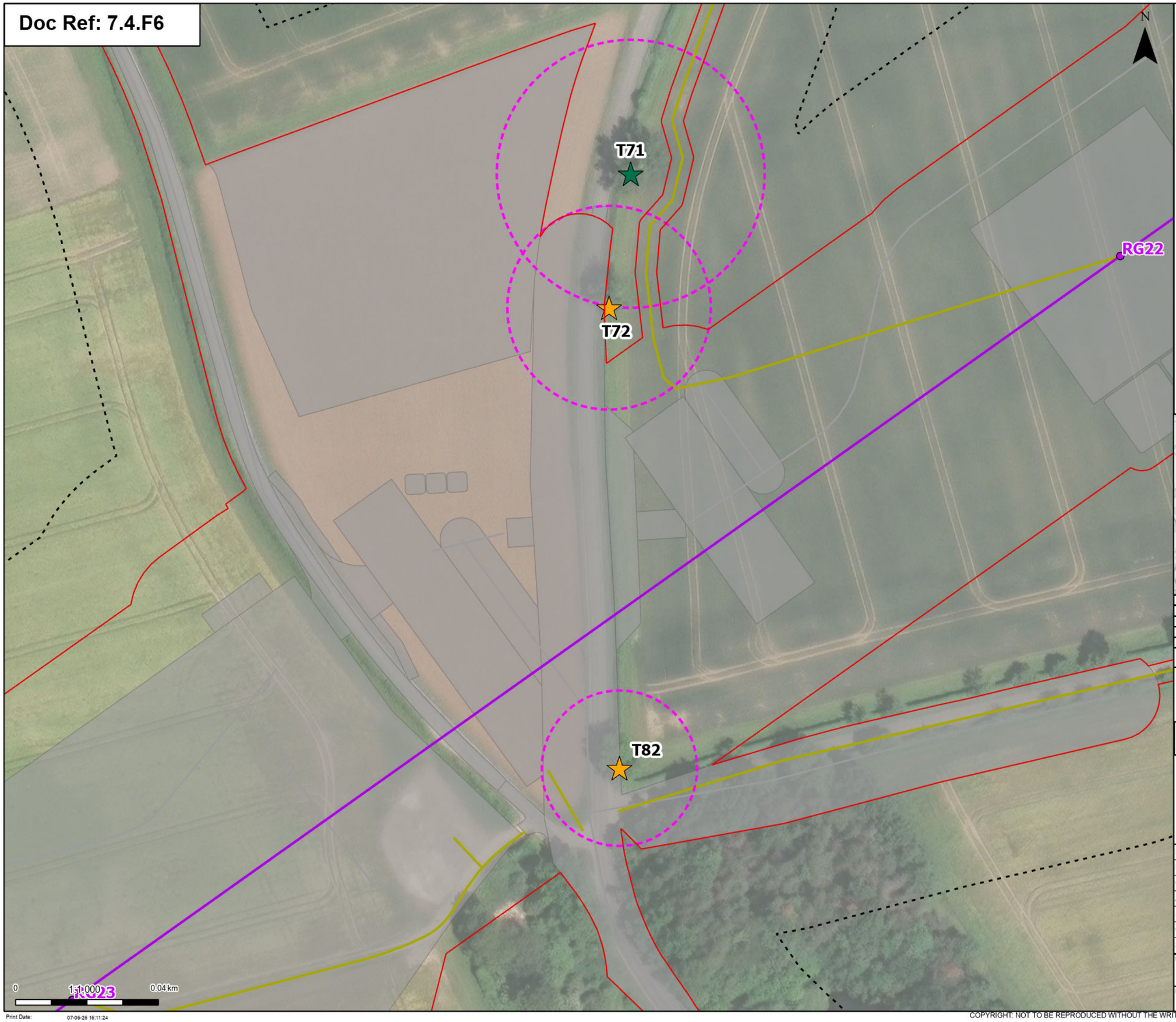
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

Print Date: 07-06-26 16:11:19

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

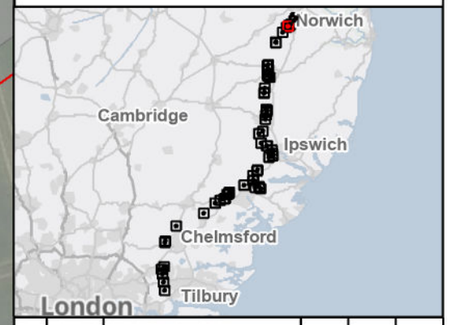
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
9 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

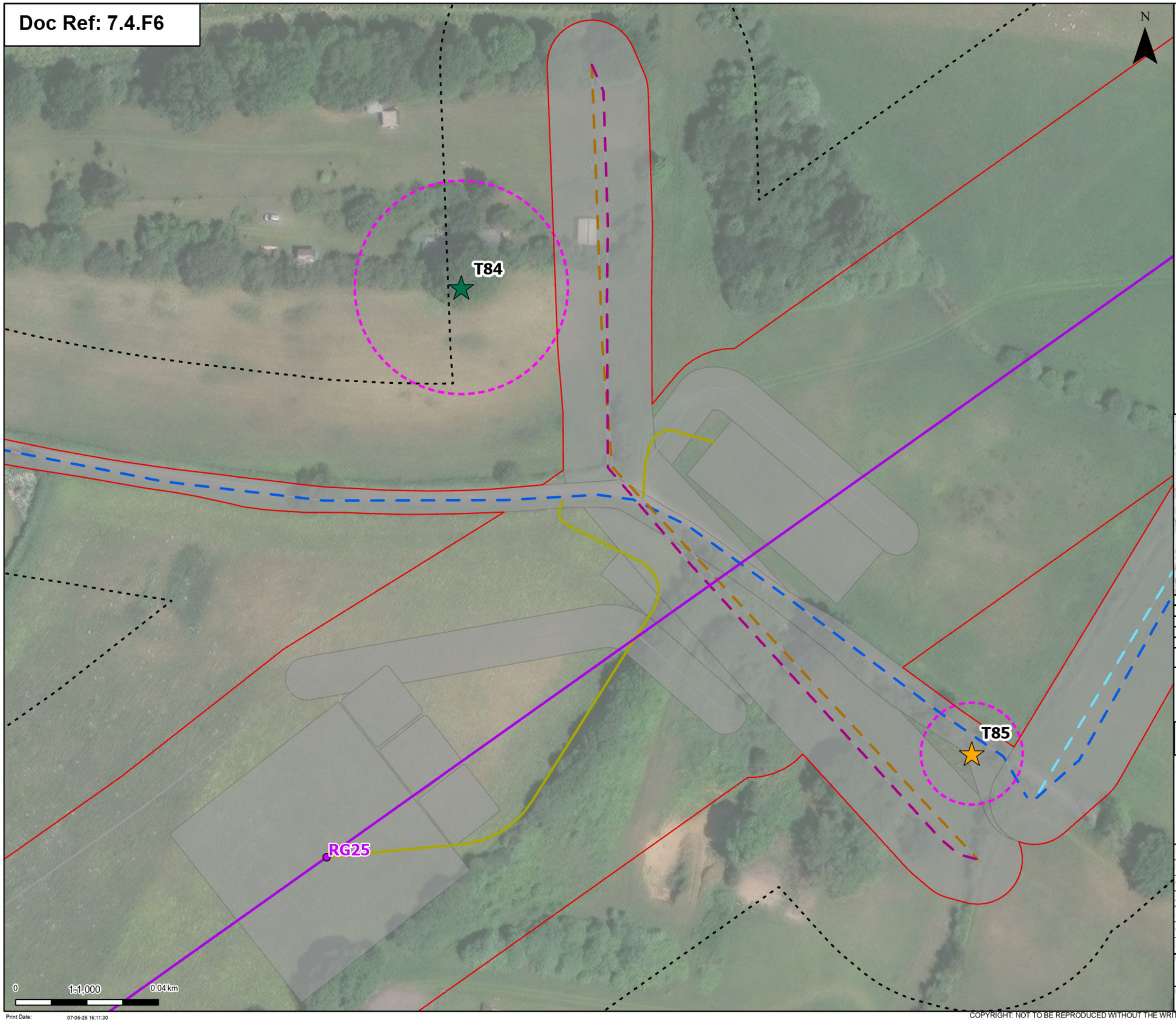
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Print Date: 07-06-26 16:11:30

- Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

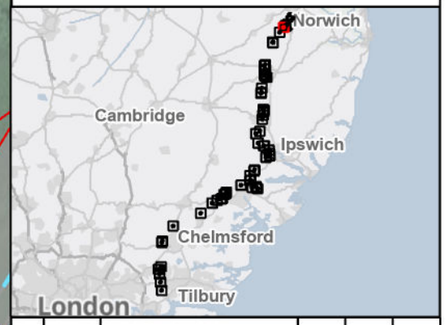
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
10 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

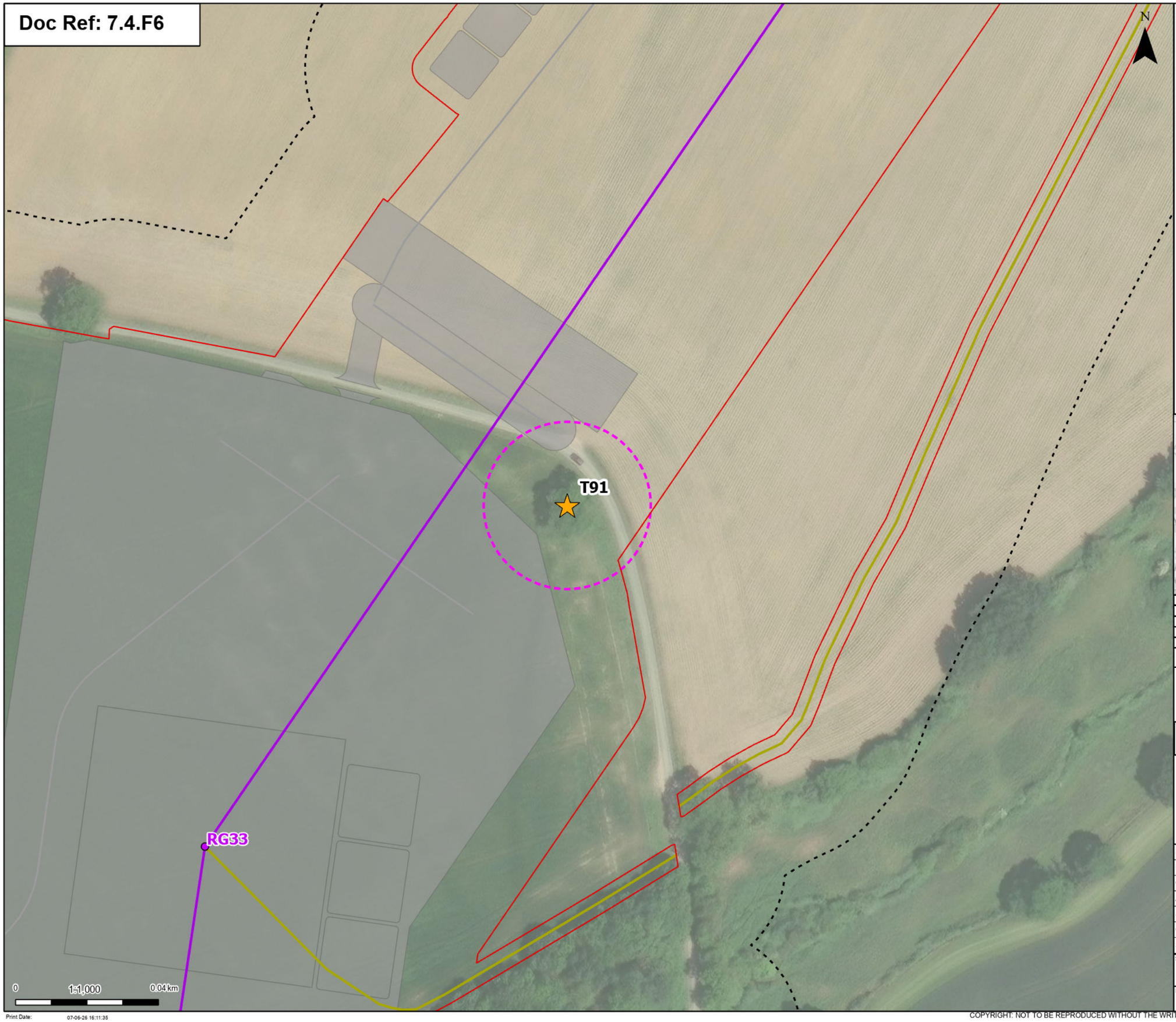
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Print Date: 07-06-26 16:11:35

Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

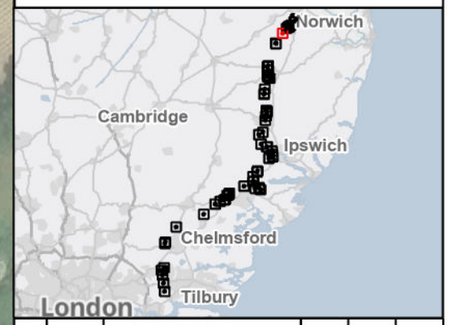
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
11 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

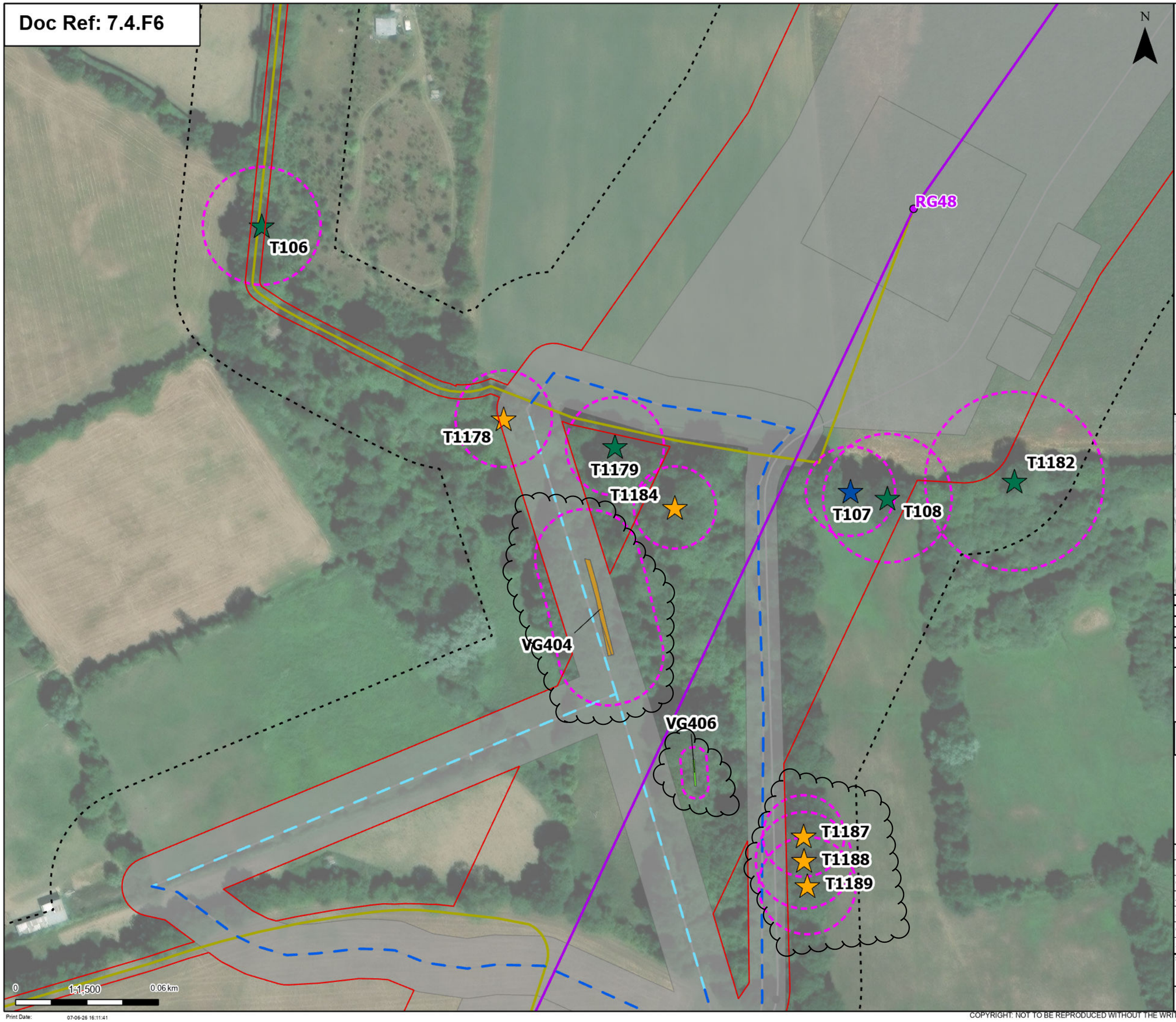
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

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

Discipline specific constraints

- Arboriculture Study Area

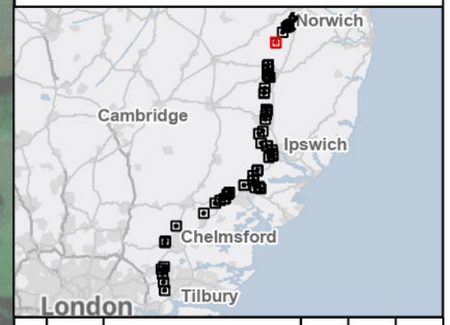
Veteran Trees

Group of trees - Impact

- Affected Managed
- Potentially Affected
- Unaffected
- Potentially Affected
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
12 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,500	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-00847

Revision: B

Print Date: 07-06-26 16:11:41

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

Proposed overhead line alignment

Other temporary and permanent construction and operational works

Discipline specific constraints

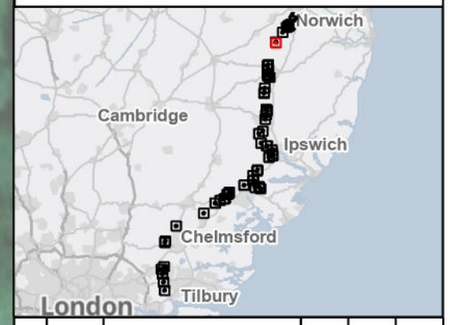
Arboriculture Study Area

Unaffected

Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
13 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

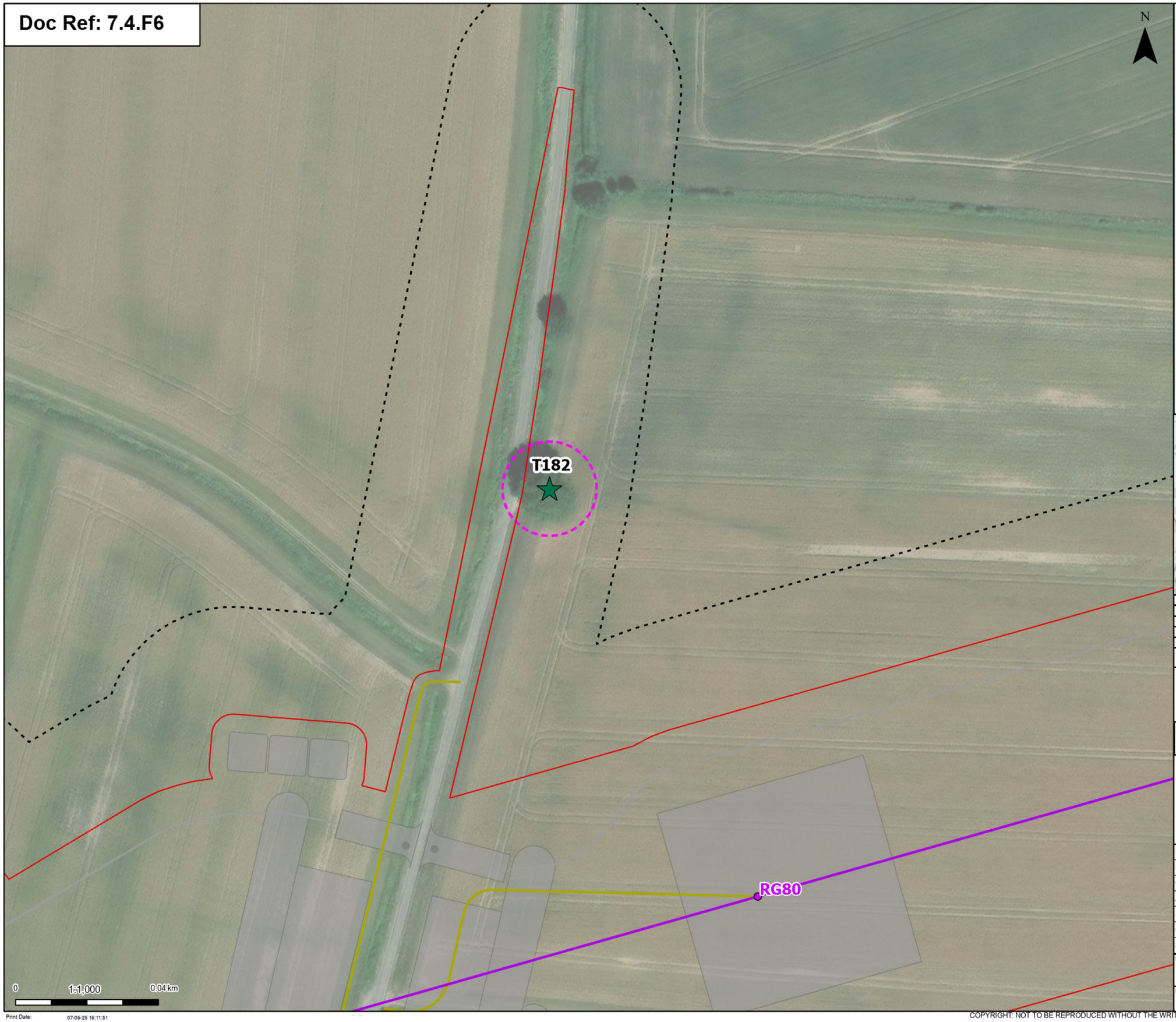
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Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

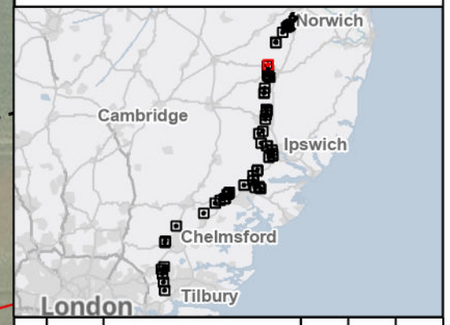
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
14 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

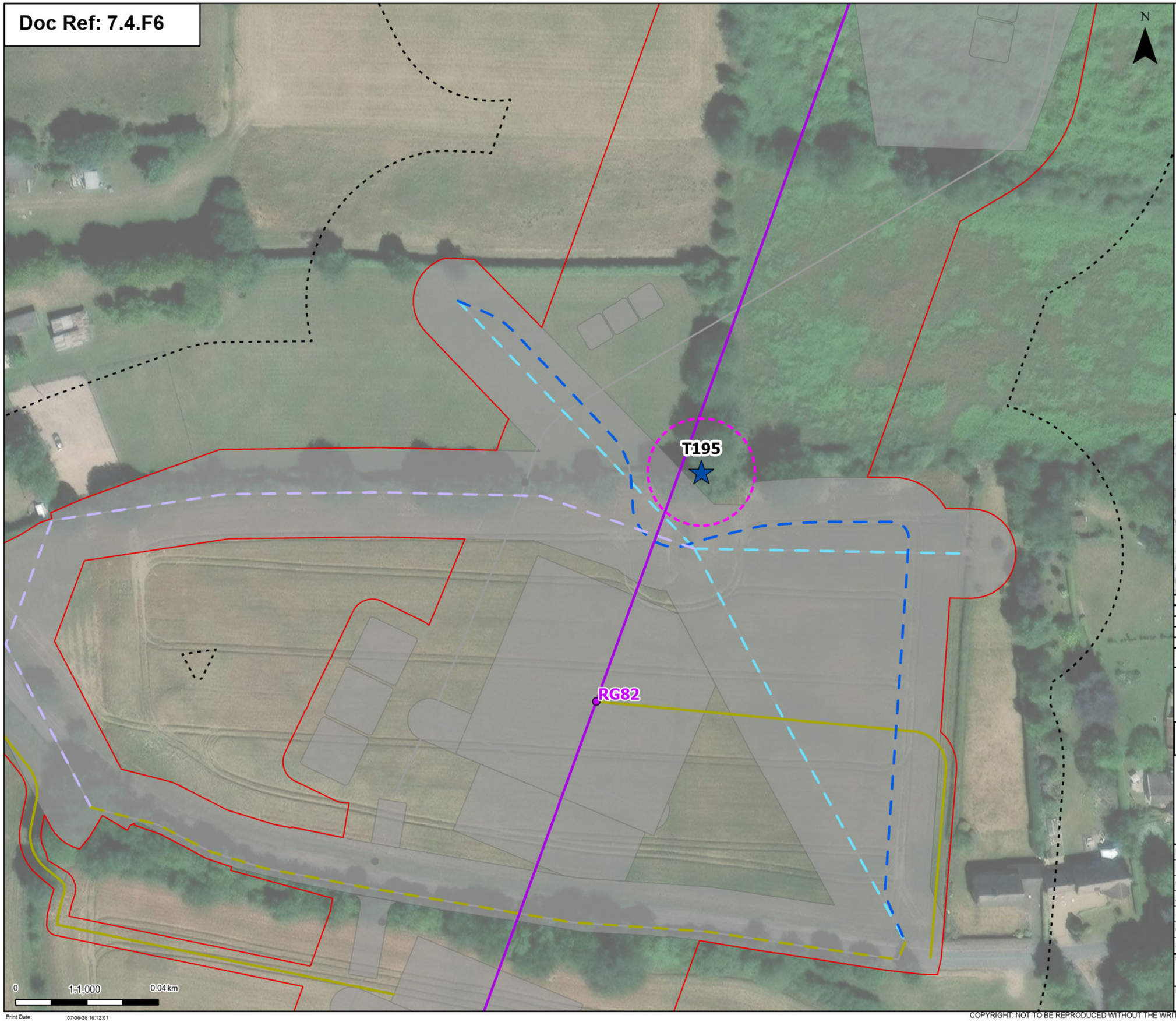
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Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

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

Discipline specific constraints

- Arboriculture Study Area

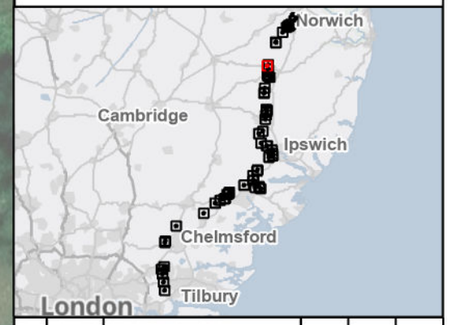
Veteran Trees

Group of trees - Impact

- Affected Managed
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 15 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

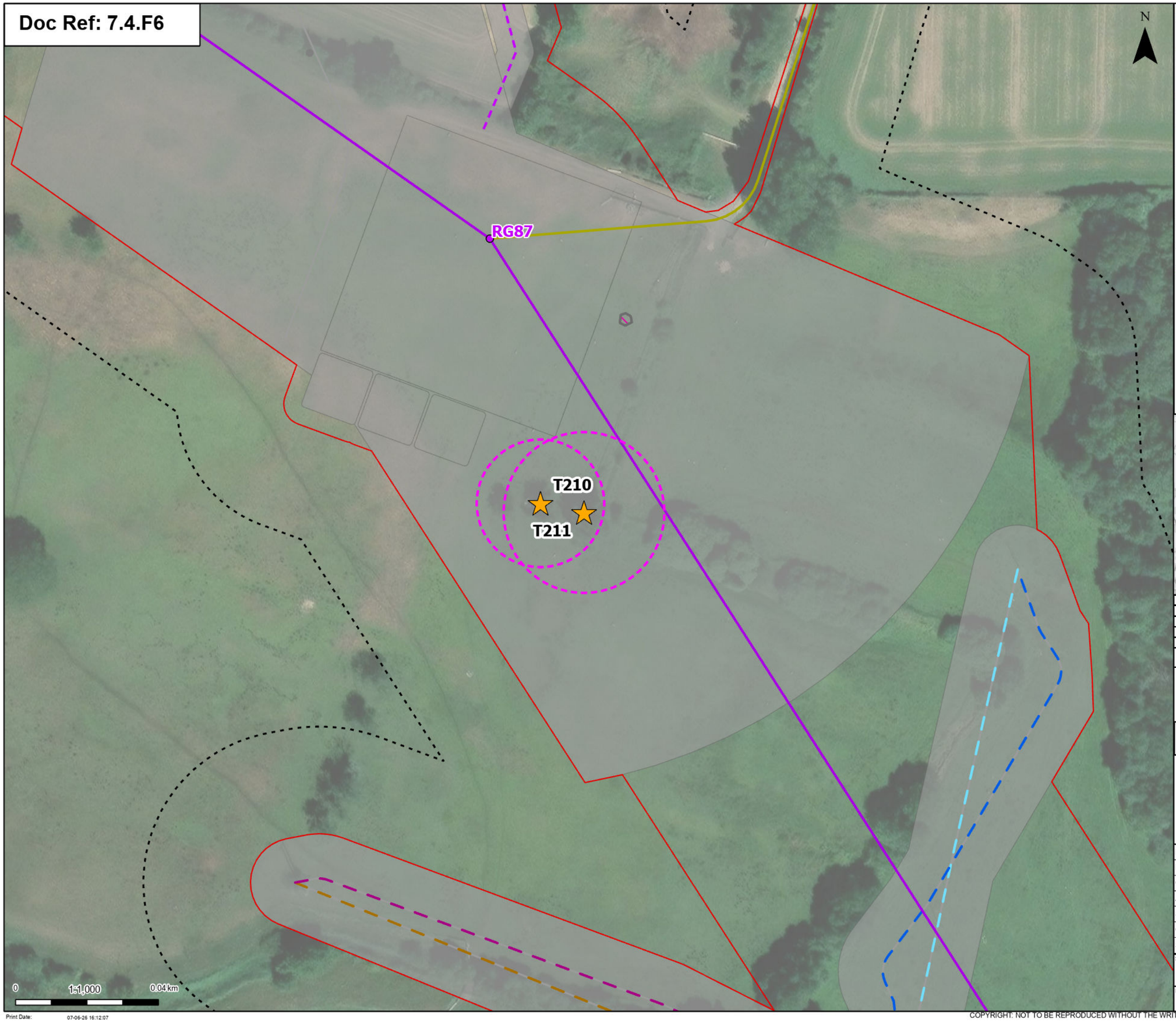
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Revision: B

Print Date: 07-06-26 16:12:01

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Doc Ref: 7.4.F6



Print Date: 07-06-26 16:12:07

Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Public Right of Way Temporary Diversion
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

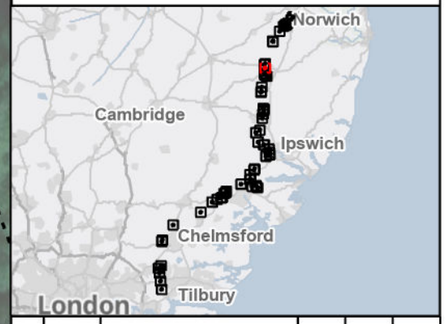
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
16 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

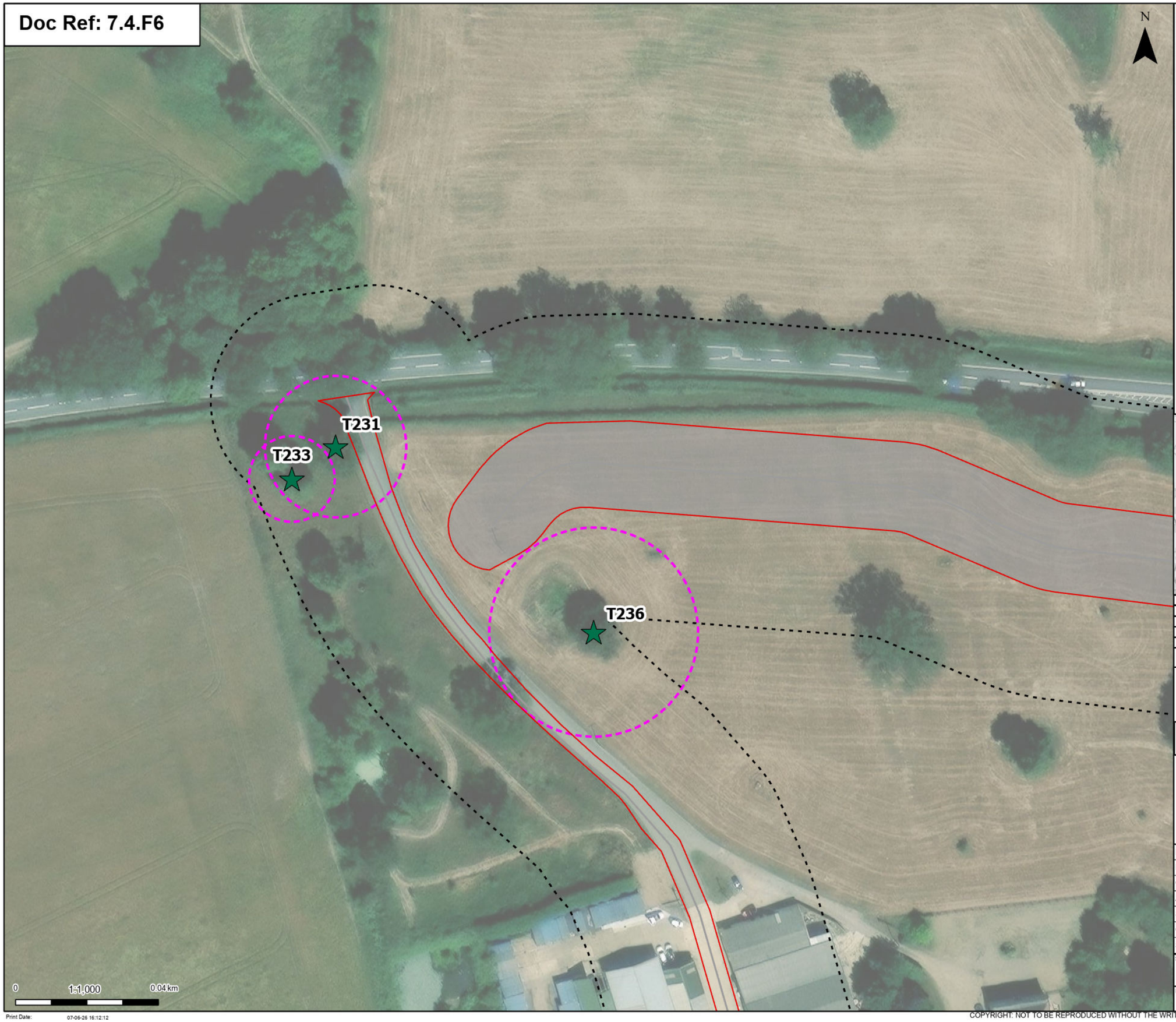
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

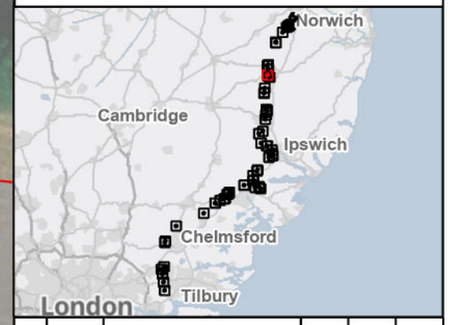
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
17 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

Revision: B

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Order limits

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

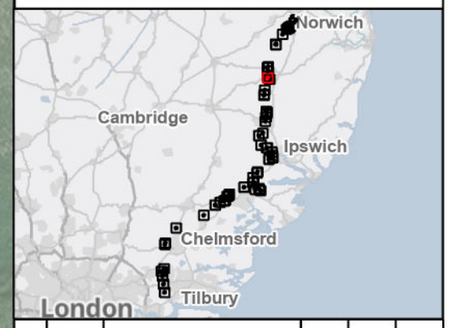
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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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nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
18 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

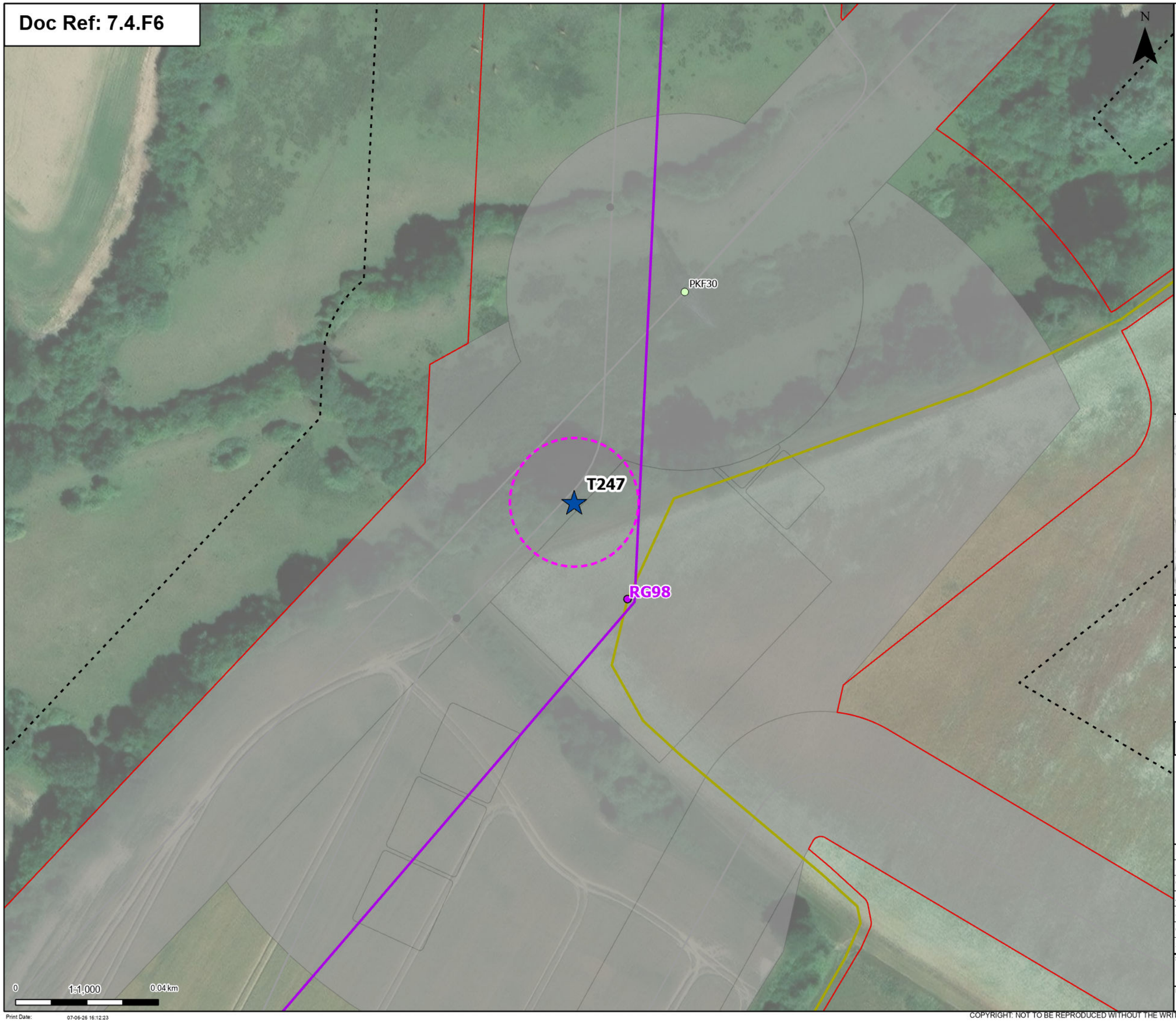
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed UKPN overhead line dismantle towers
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

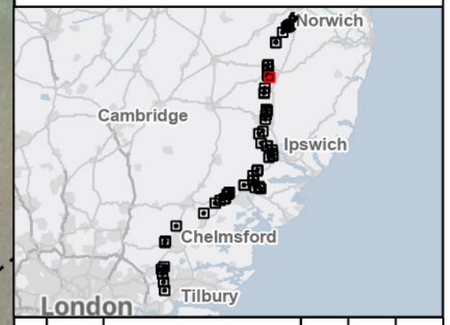
Veteran Trees

Group of trees - Impact

- Affected Managed
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
19 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	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 overhead line alignment

Proposed permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

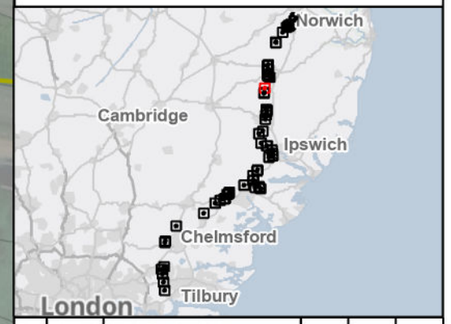
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 20 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

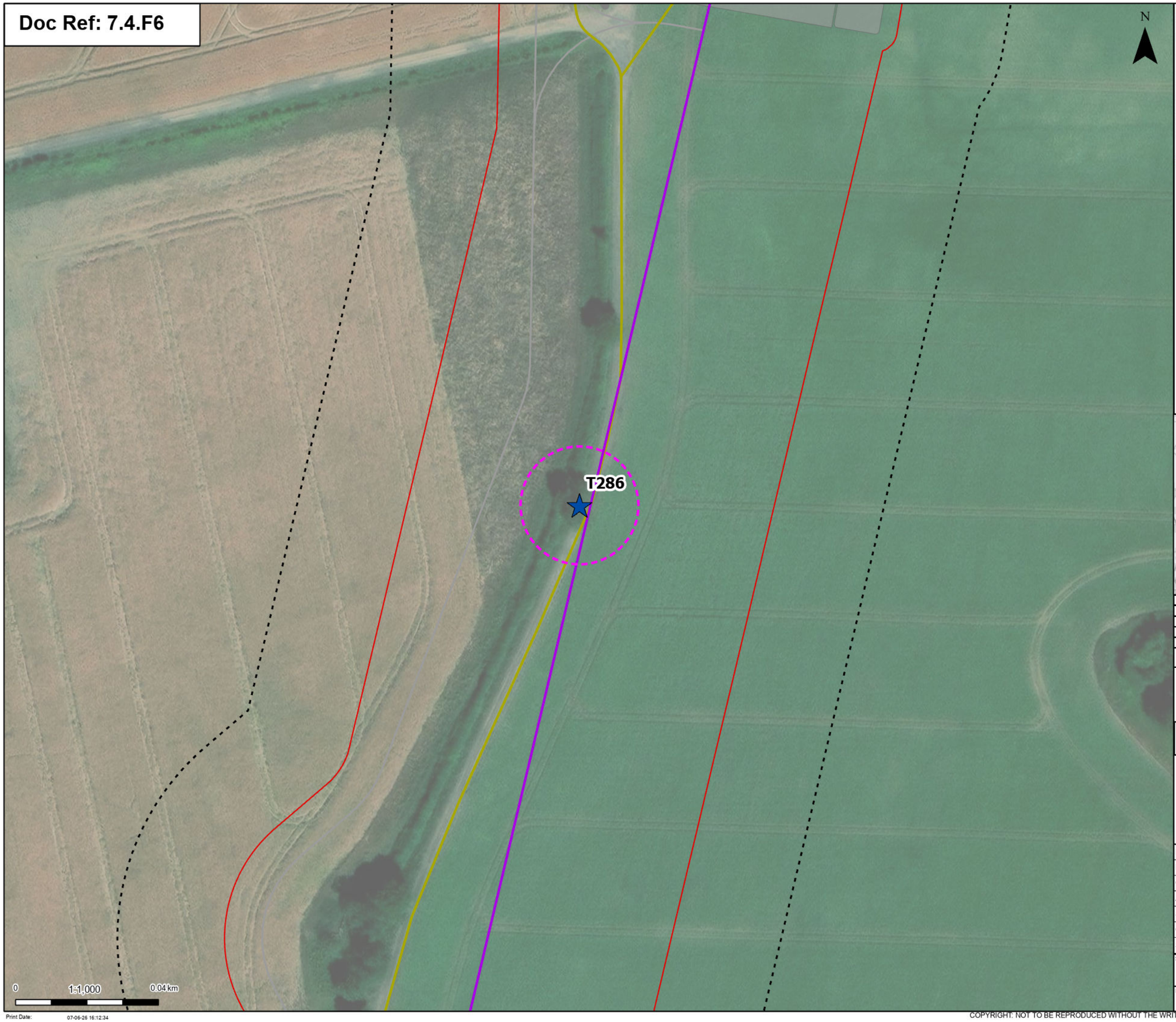
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Revision: B

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- Order limits

Proposed project design details

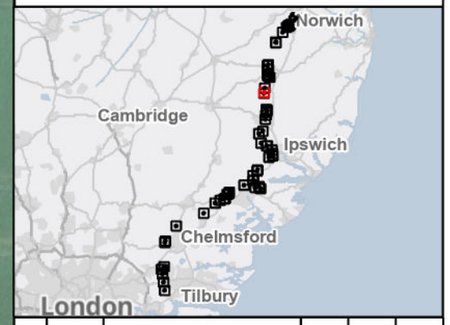
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Affected Managed
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
21 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

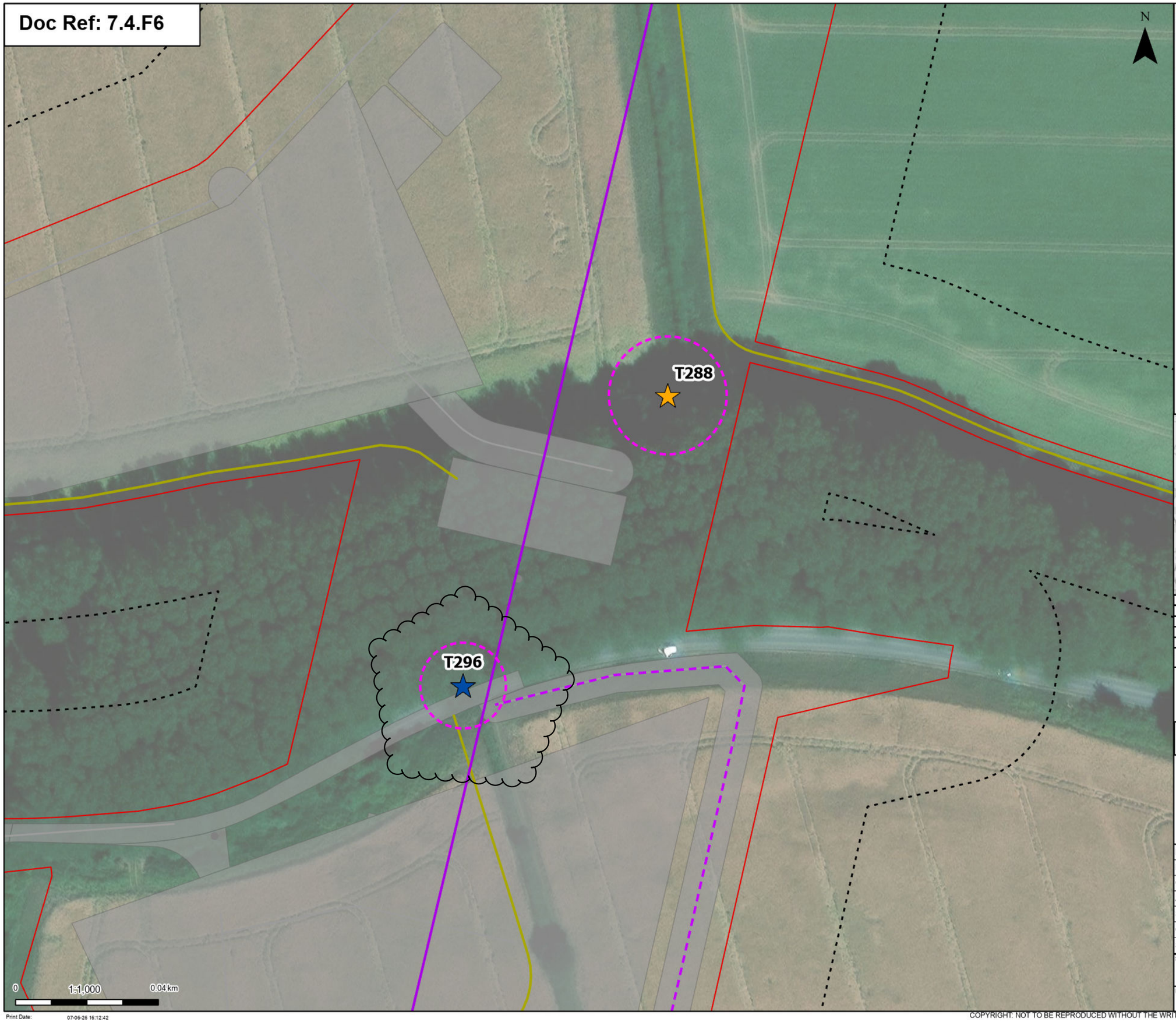
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

Proposed overhead line alignment

Public Right of Way Temporary Diversion

Proposed permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

Group of trees - Impact

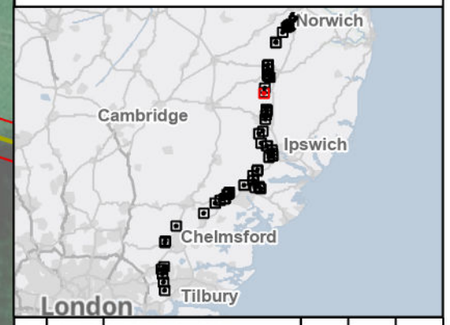
Removed

Potentially Affected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
22 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

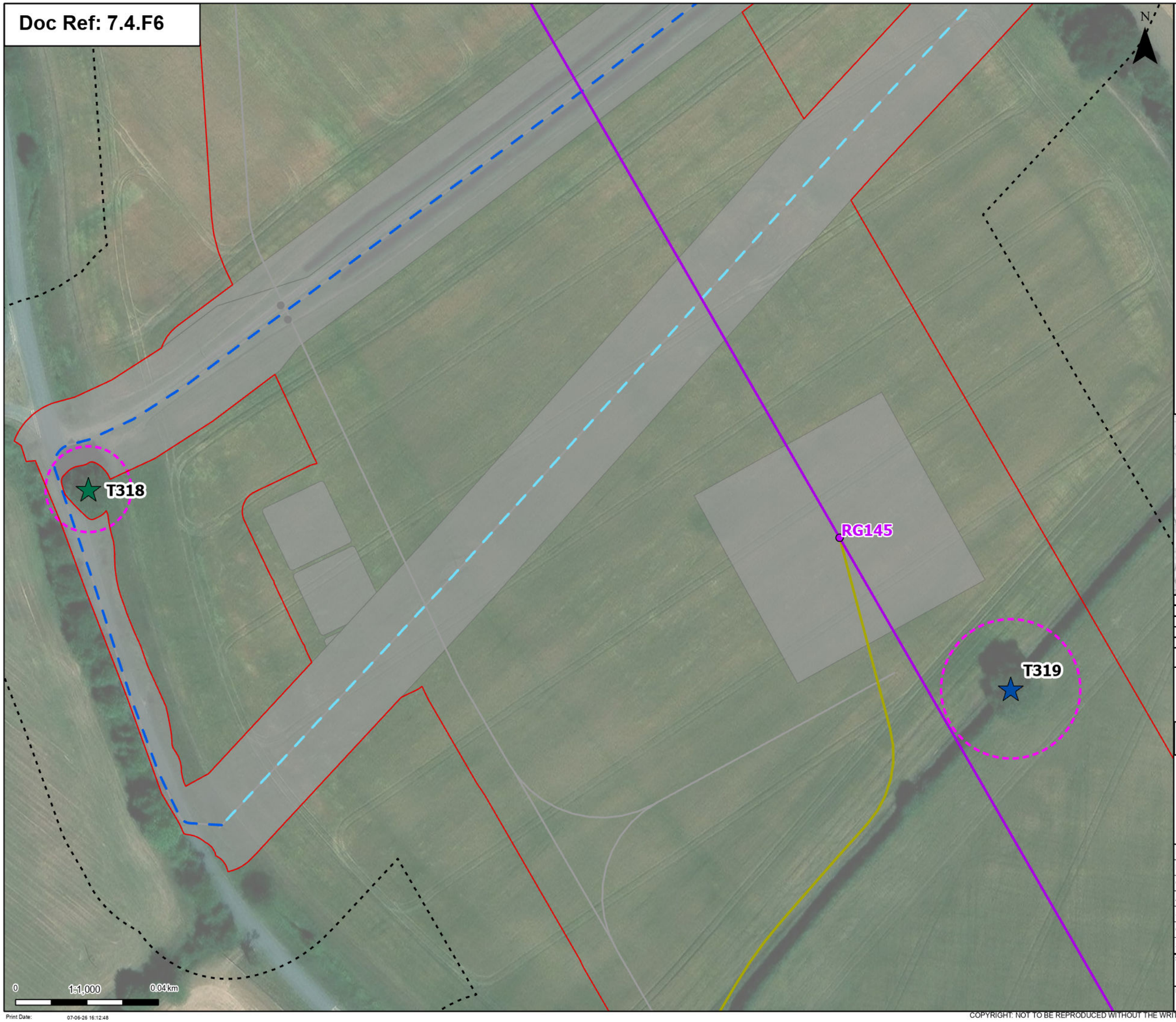
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Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

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

Discipline specific constraints

- Arboriculture Study Area

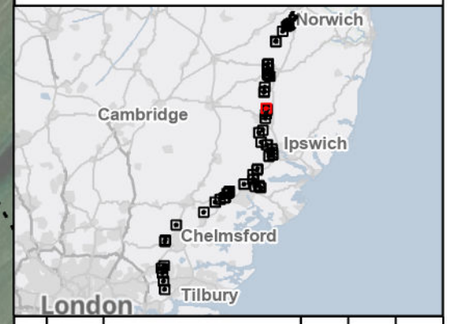
Veteran Trees

Group of trees - Impact

- Affected Managed
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
23 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

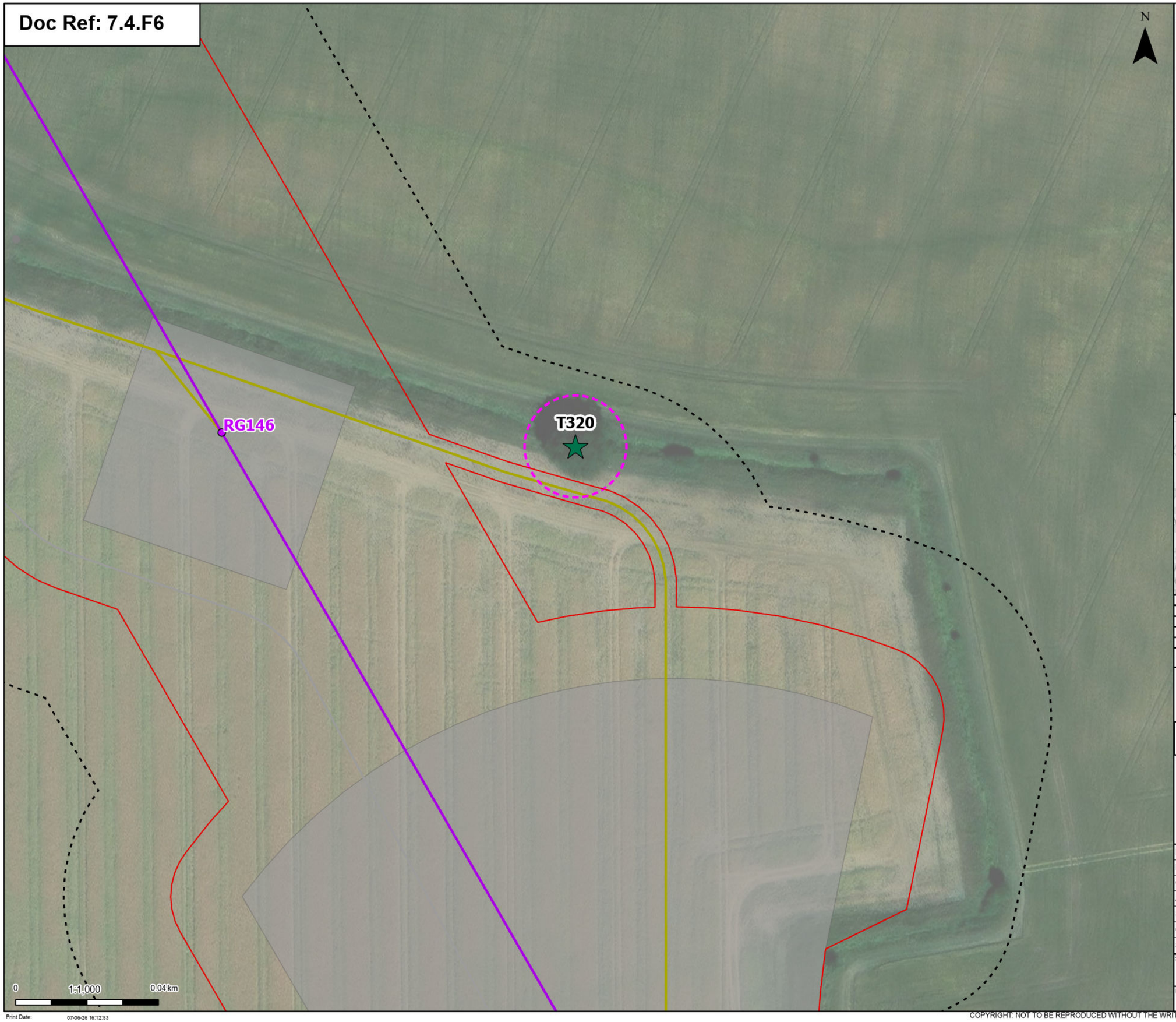
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Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

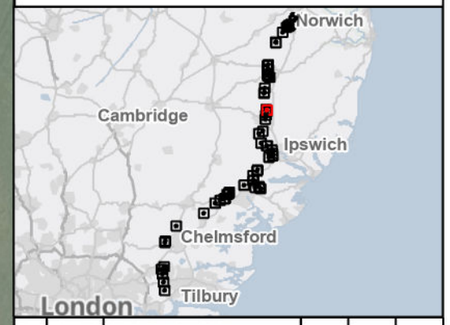
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
24 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

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Order limits

Proposed project design details

Proposed overhead line alignment

Proposed permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

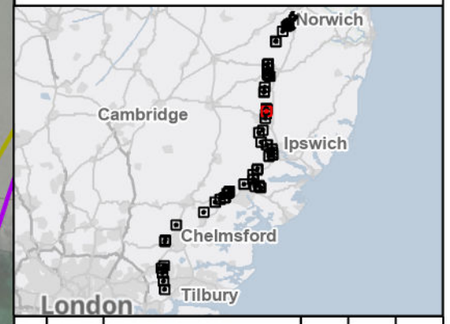
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 25 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

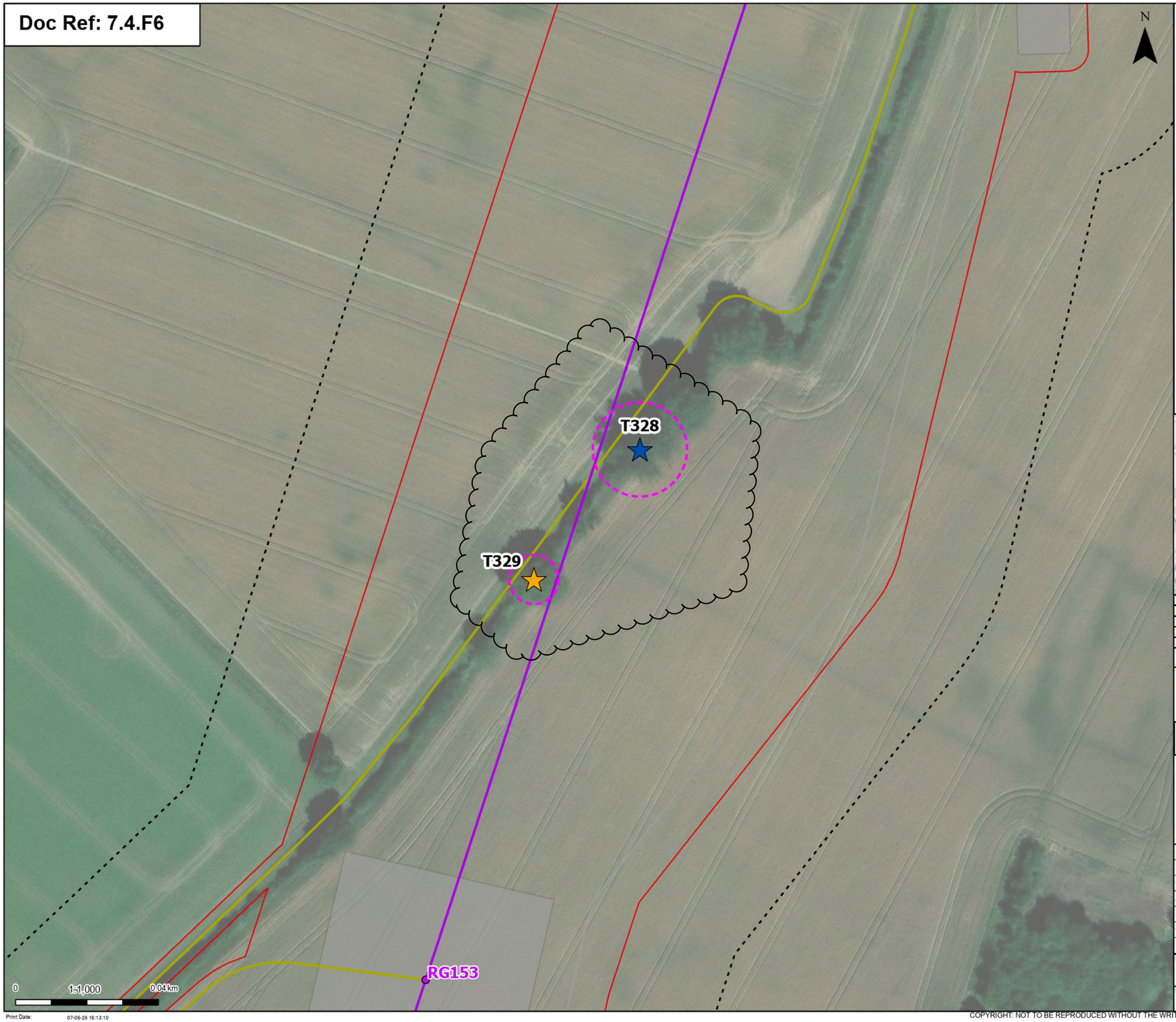
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Doc Ref: 7.4.F6



Print Date: 07-06-26 16:13:10

Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

Veteran Trees

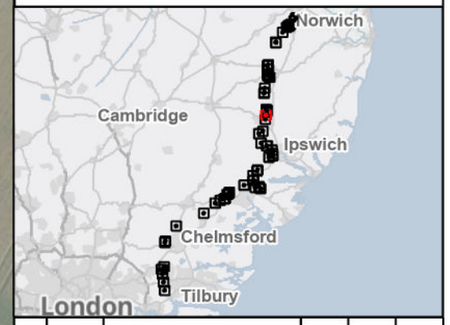
Group of trees - Impact

- Removed

- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
26 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

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Order limits

Proposed project design details

Proposed permanent access (no physical works)

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

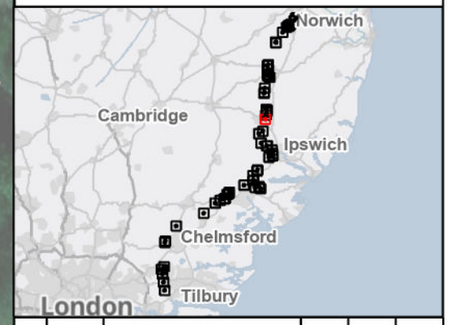
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
27 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

Revision: B

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Doc Ref: 7.4.F6



Print Date: 07-06-26 16:13:23

- Order limits

Proposed project design details

- Proposed UKPN overhead line dismantle towers
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

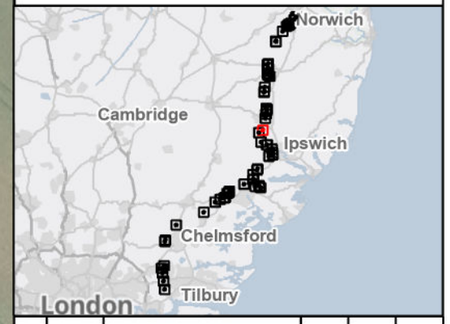
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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	July 2026	FOR DCO APPLICATION	JAL	AF	KB
A	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
28 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

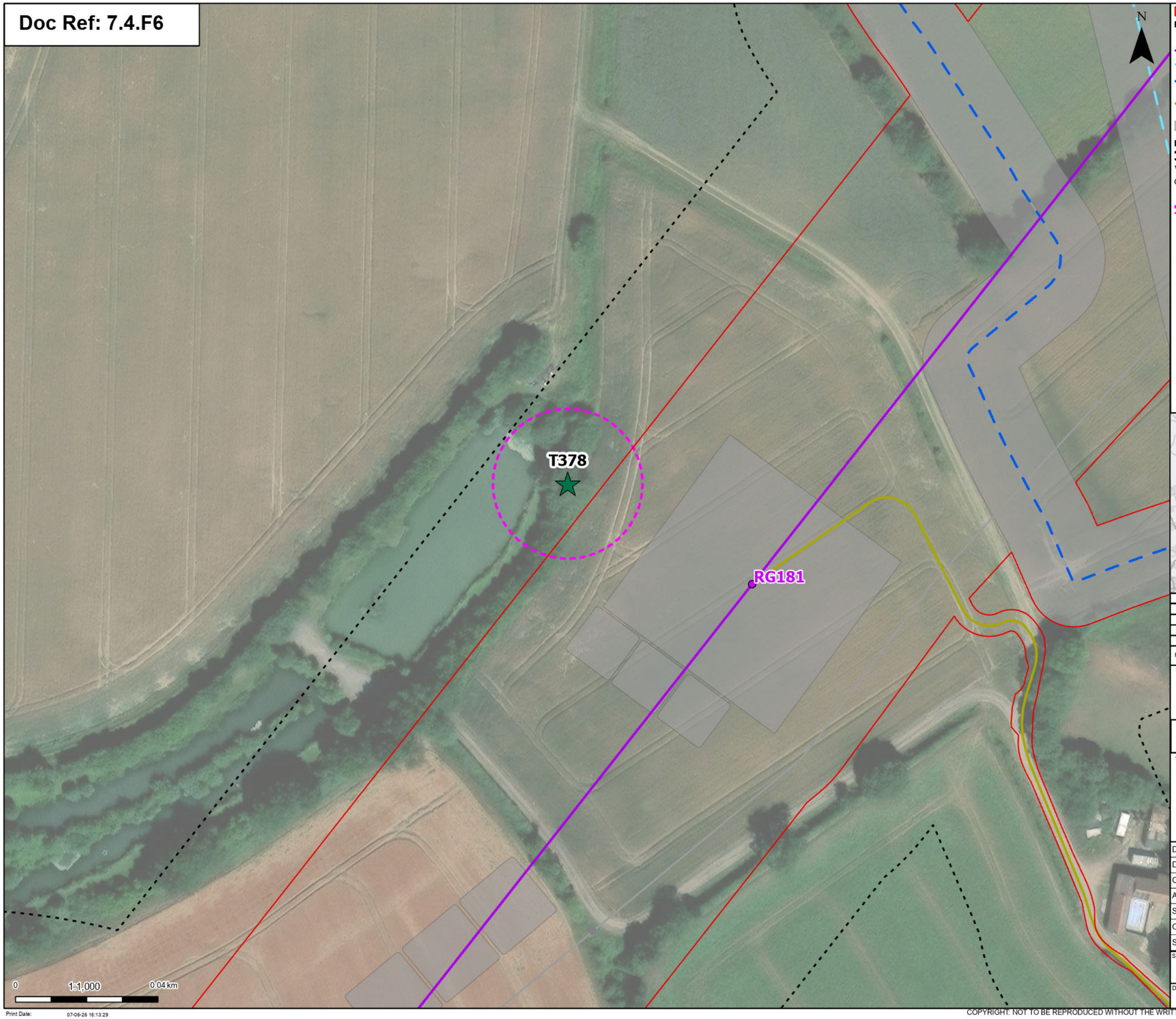
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

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

Discipline specific constraints

- Arboriculture Study Area

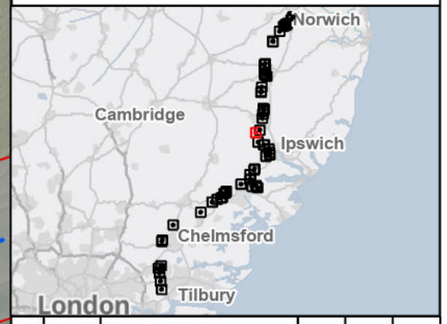
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
29 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

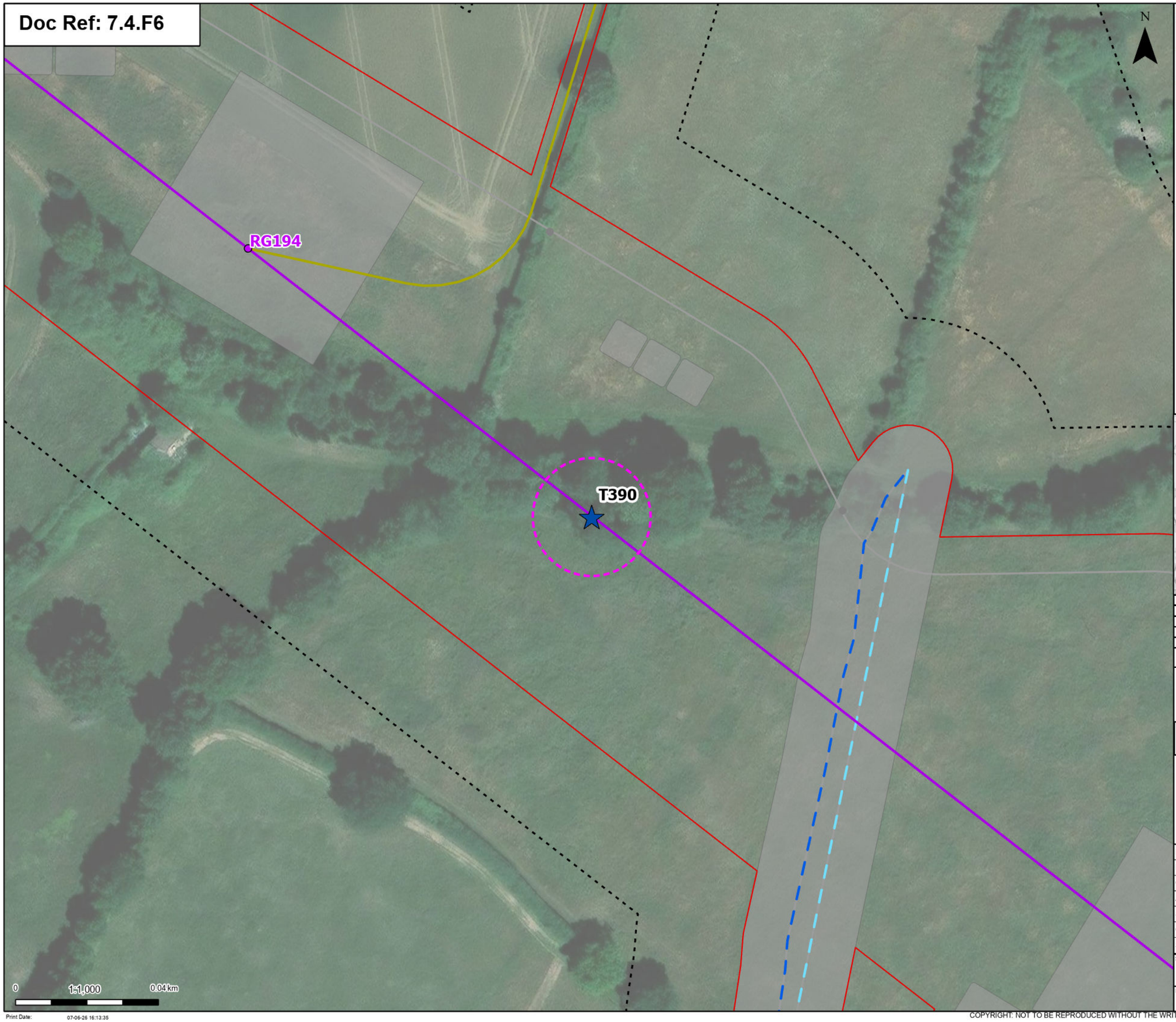
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

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Order limits

Proposed project design details

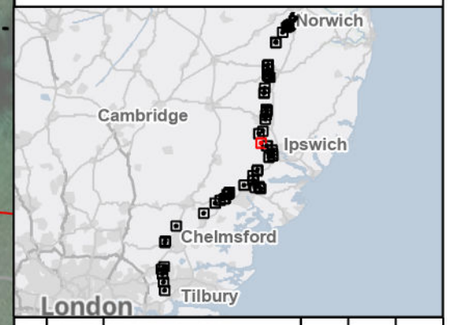
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Affected Managed
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
30 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed UKPN overhead line dismantle towers
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

Veteran Trees

Group of trees - Impact

- Potentially Affected
- Unaffected
- Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
31 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

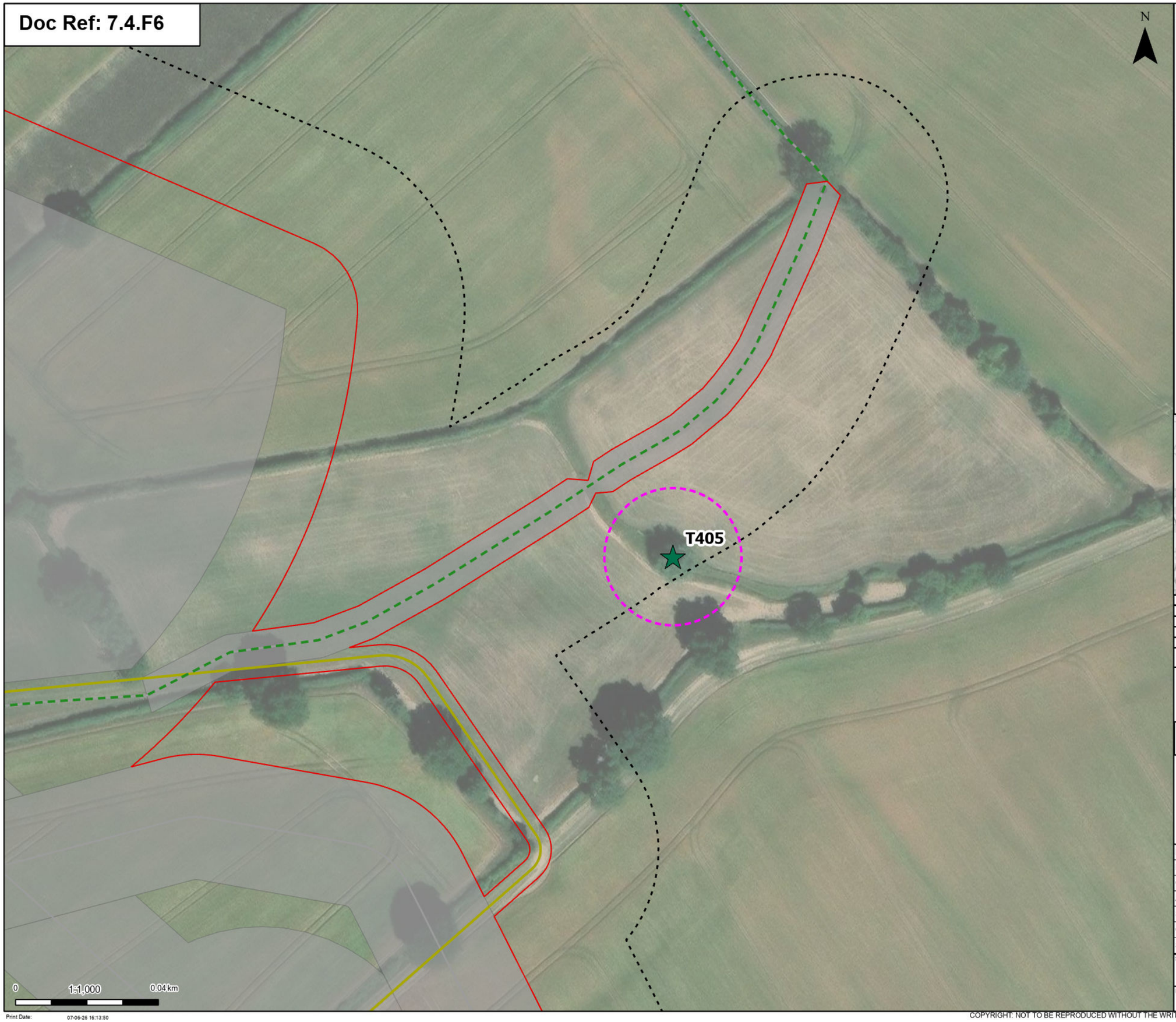
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Revision: B

Print Date: 07-06-26 16:13:44

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Order limits

Proposed project design details

Public Right of Way Temporary Diversion (DCO Boundary Change)

Proposed permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

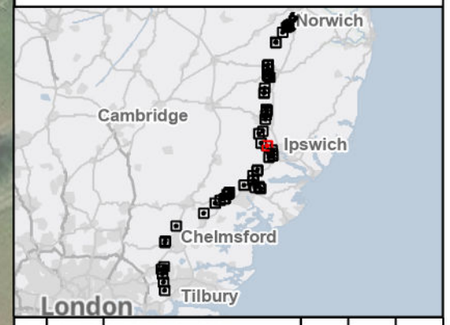
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
32 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

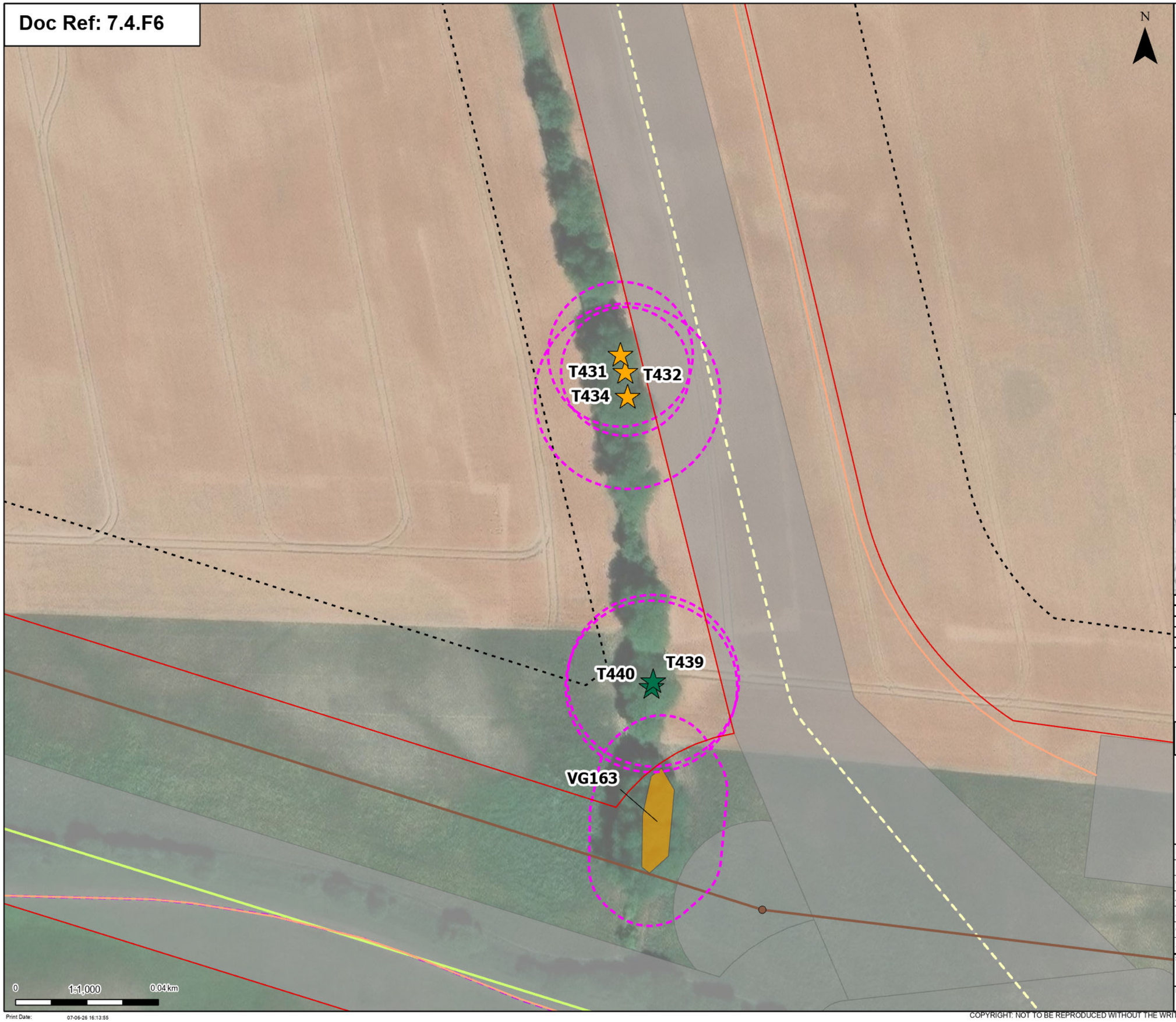
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Revision: B

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Order limits

Proposed project design details

- Proposed UKPN overhead line temporary structure (only angles)
- UKPN Cable Centreline
- UKPN Dismantle Centreline
- UKPN Temp Diversion Centreline
- UKPN Tower Access
- Proposed UKPN dismantle centreline
- Proposed UKPN Cable Centreline
- Public Right of Way Temporary Diversion
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

Veteran Trees

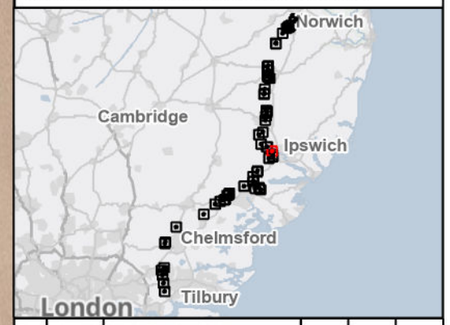
Group of trees - Impact

- Potentially Affected
- Unaffected

- Potentially Affected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
33 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

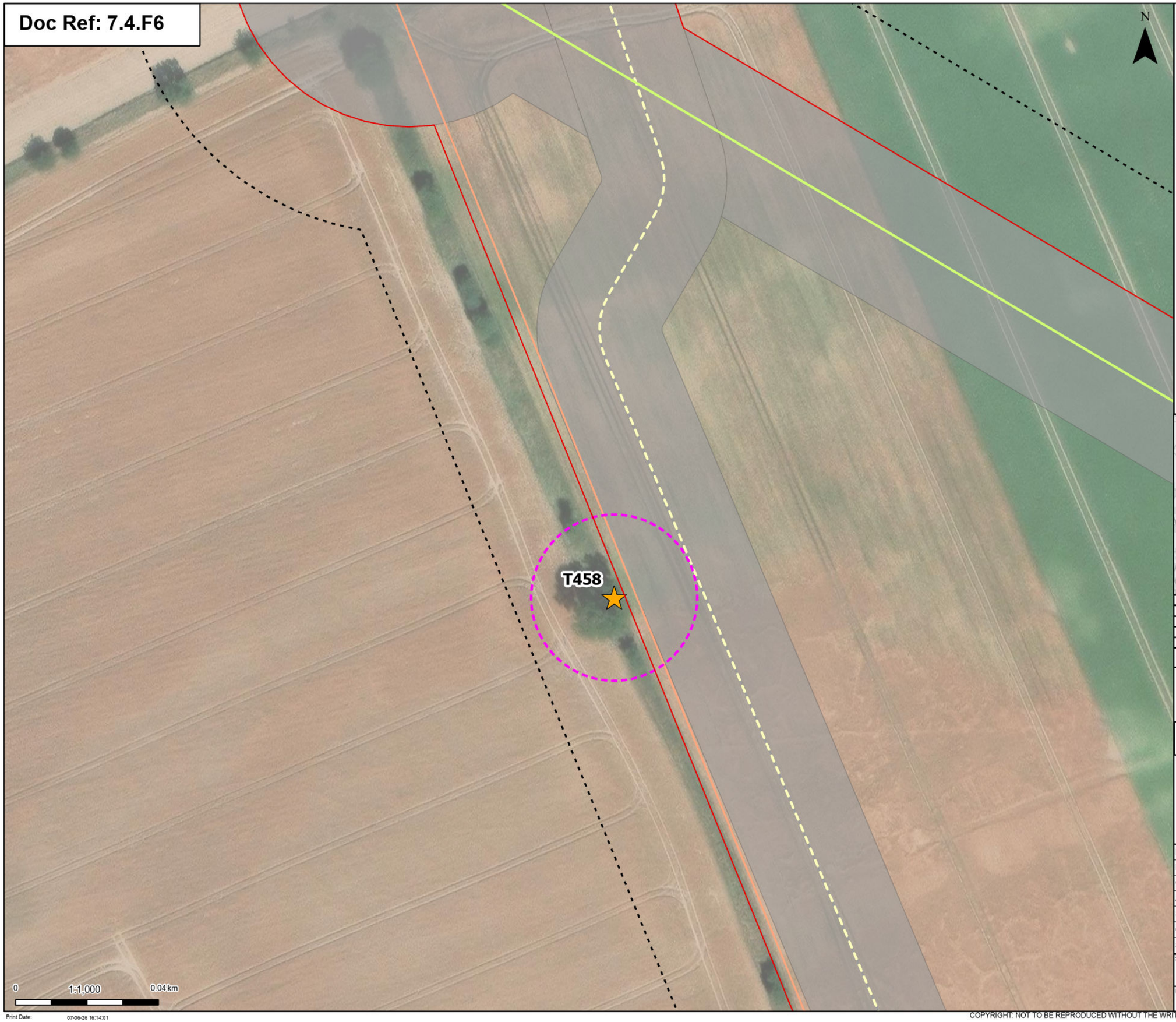
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Revision: B

Print Date: 07-06-26 16:13:55

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

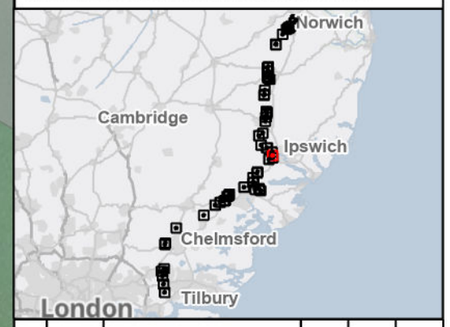
- UKPN Cable Centreline
- UKPN Dismantle Centreline
- UKPN Tower Access
- Proposed UKPN dismantle centreline
- Proposed UKPN Cable Centreline
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Potentially Affected
- Veteran Trees- Root protection 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	July 2026	FOR DCO APPLICATION	JAL	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 34 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

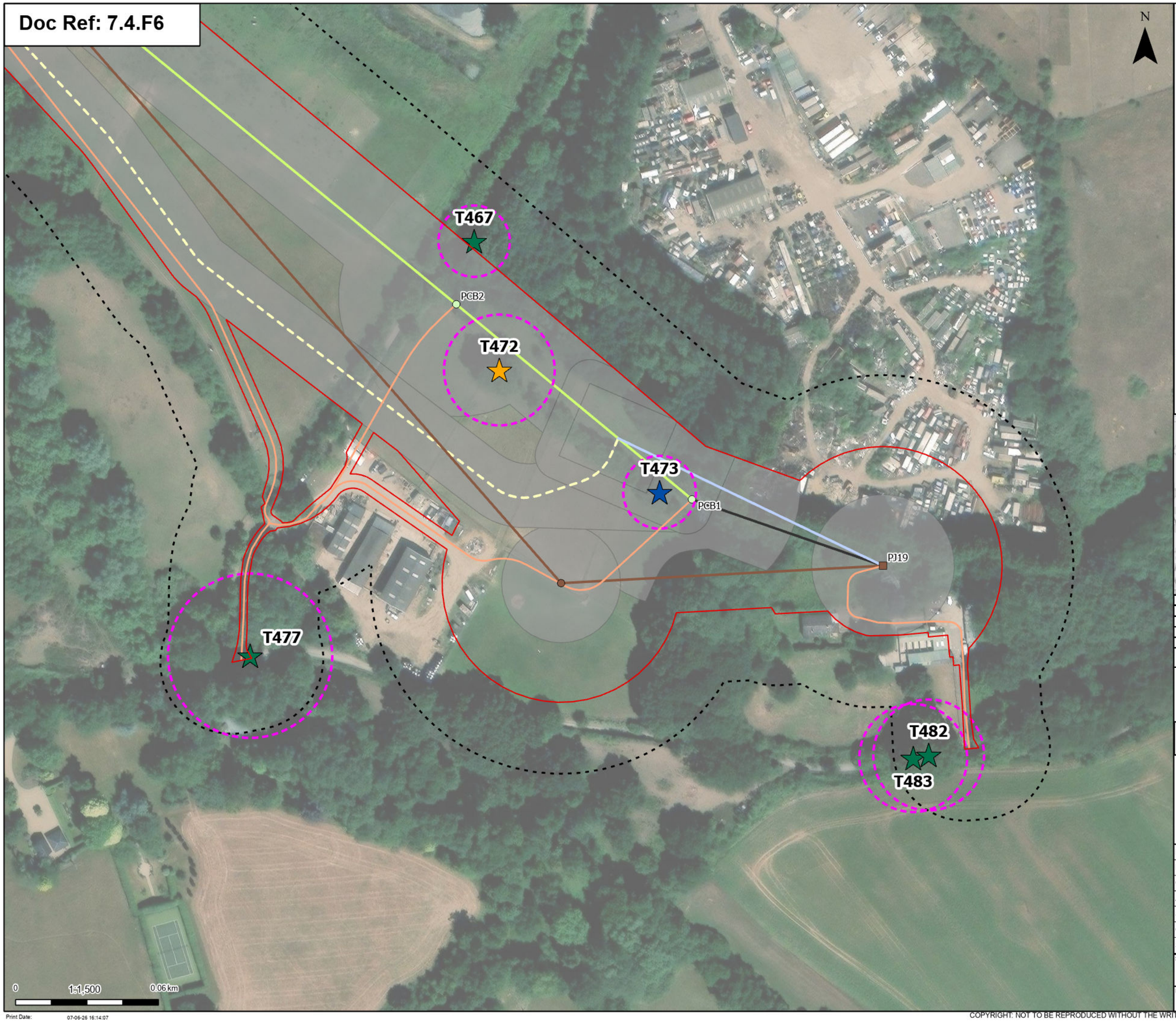
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Revision: B

Print Date: 07-06-26 16:14:01

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line existing tower (to be modified)
- Proposed UKPN overhead line temporary structure (only angles)
- UKPN Cable Centreline
- UKPN Dismantle Centreline
- UKPN Existing Centreline (Modified)
- UKPN New Centreline
- UKPN Temp Diversion Centreline
- UKPN Tower Access
- Proposed UKPN dismantle centreline
- Proposed UKPN exisiting centreline (modified)
- Proposed UKPN Cable Centreline
- Proposed UKPN New Centreline
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

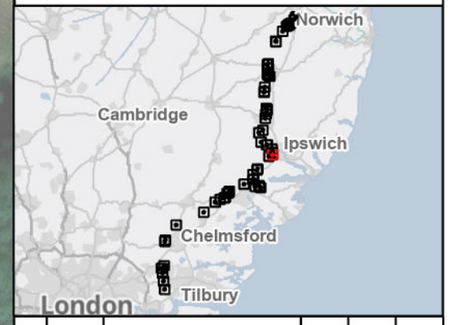
Veteran Trees

Group of trees - Impact

- Affected Managed
- Potentially Affected
- Unaffected
- Veteran Trees- Root protection area

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

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A	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 35 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- OHL Construction Access Routes
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

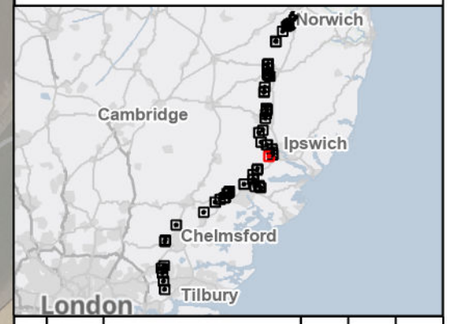
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
36 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	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 underground cable alignment

Proposed cable permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
37 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

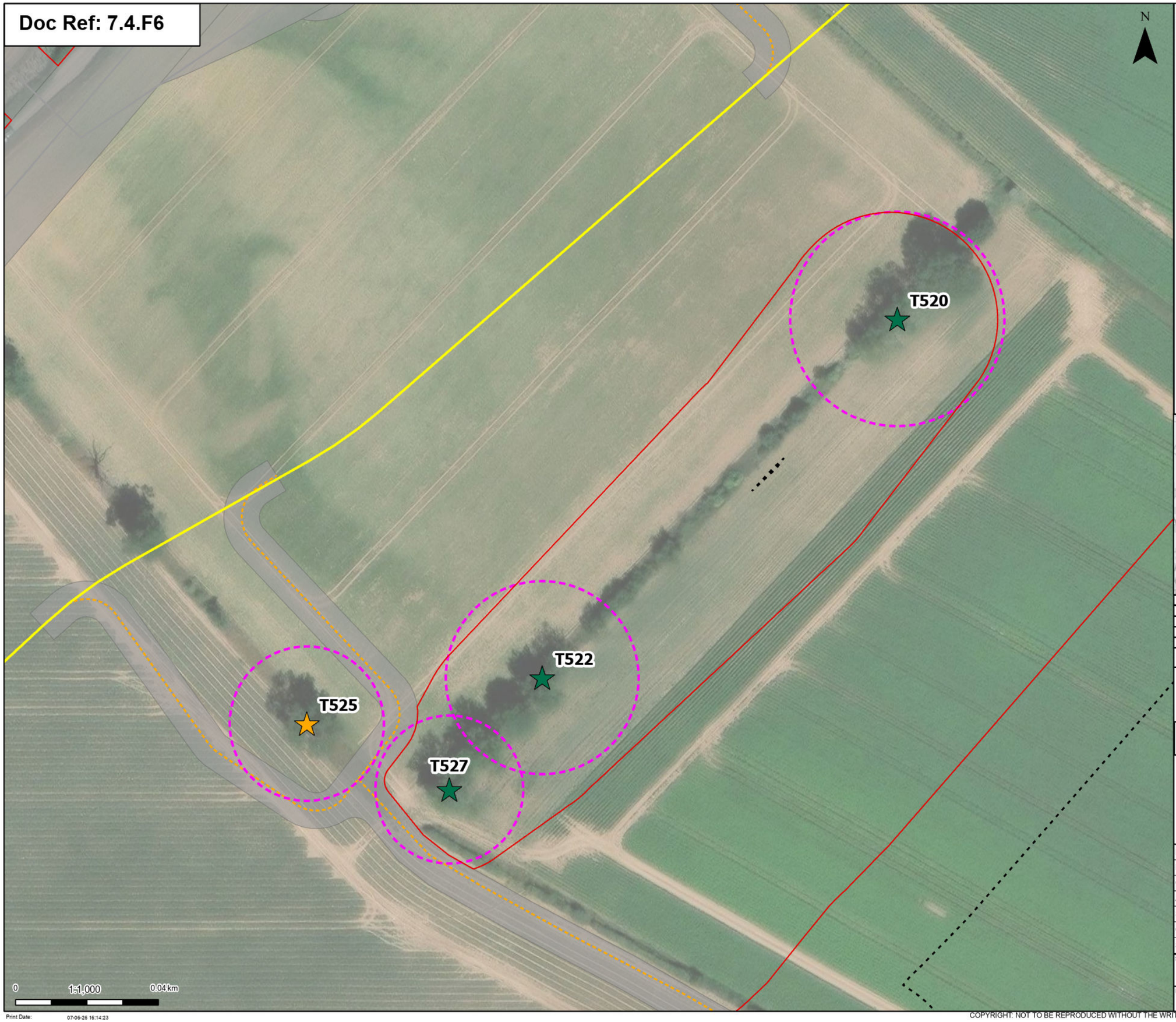
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Doc Ref: 7.4.F6



Order limits

Proposed project design details

Proposed underground cable alignment

Proposed cable permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

Group of trees - Impact

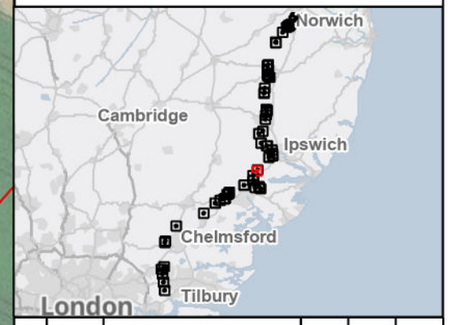
Potentially Affected

Unaffected

Veteran Trees- Root protection 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	July 2026	FOR DCO APPLICATION	JAL	AF	KB
A	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
38 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

Proposed underground cable alignment

Public Right of Way Temporary Diversion (DCO Boundary Change)

Proposed cable permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

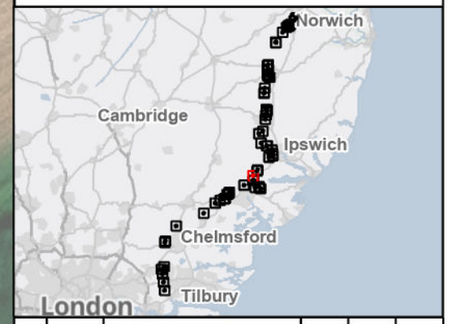
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT:
Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
39 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

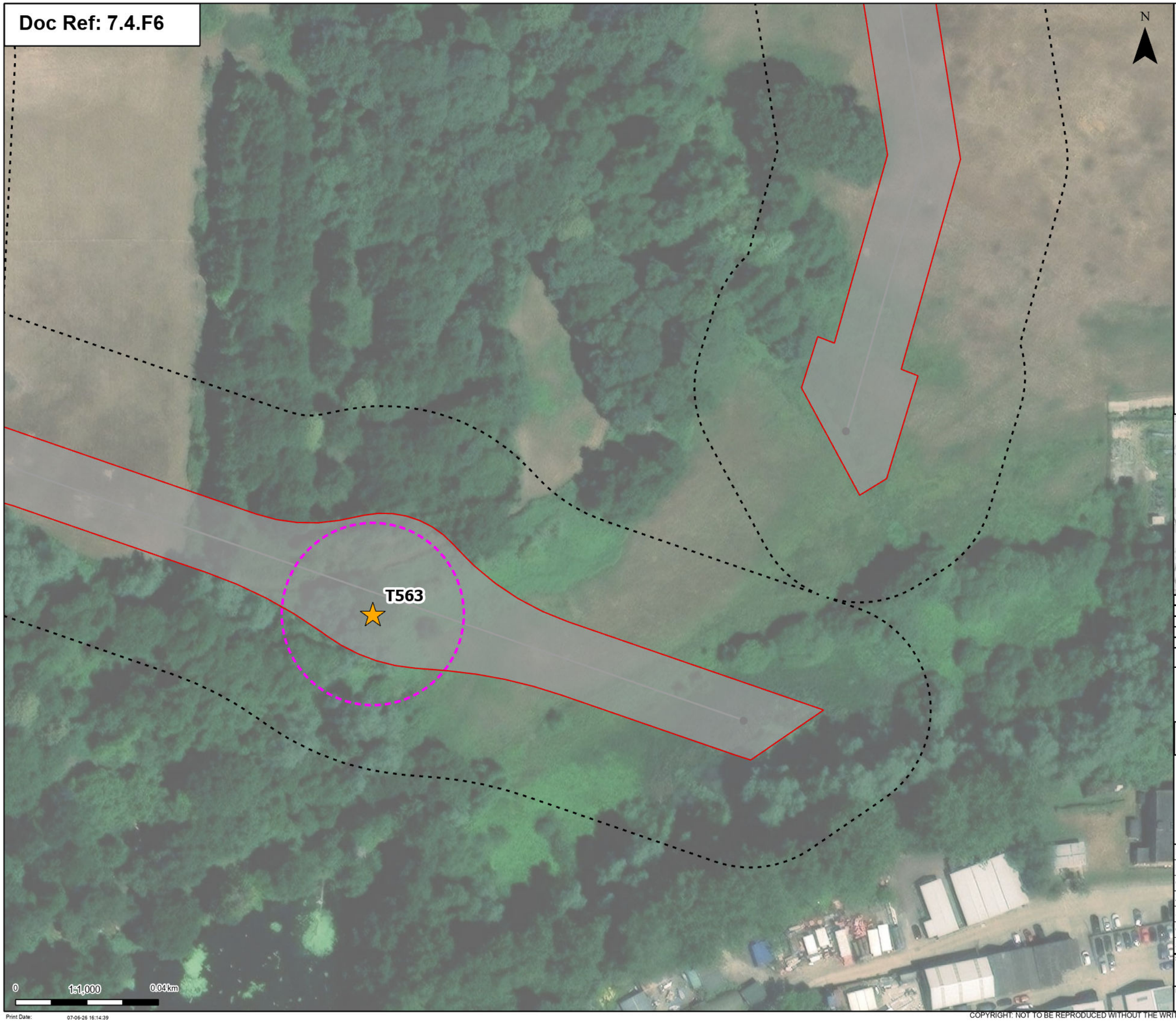
Drawing Number:
10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision:
B

Print Date: 07-06-26 16:14:31

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

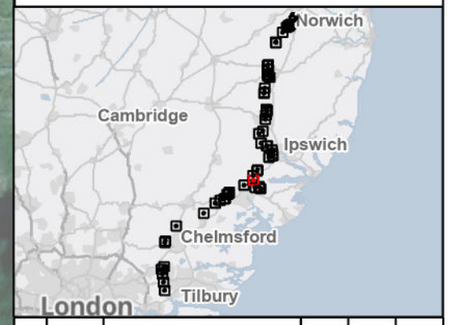
Group of trees - Impact

Potentially Affected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
40 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

Revision: B

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Order limits

Proposed project design details

Proposed underground cable alignment

Proposed cable permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

Group of trees - Impact

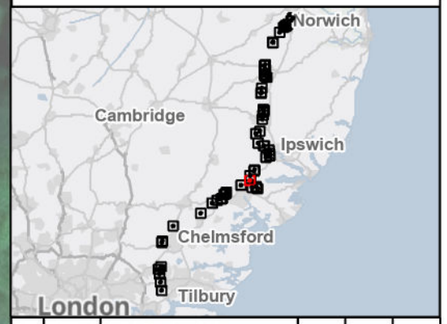
Removed

Unaffected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
41 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

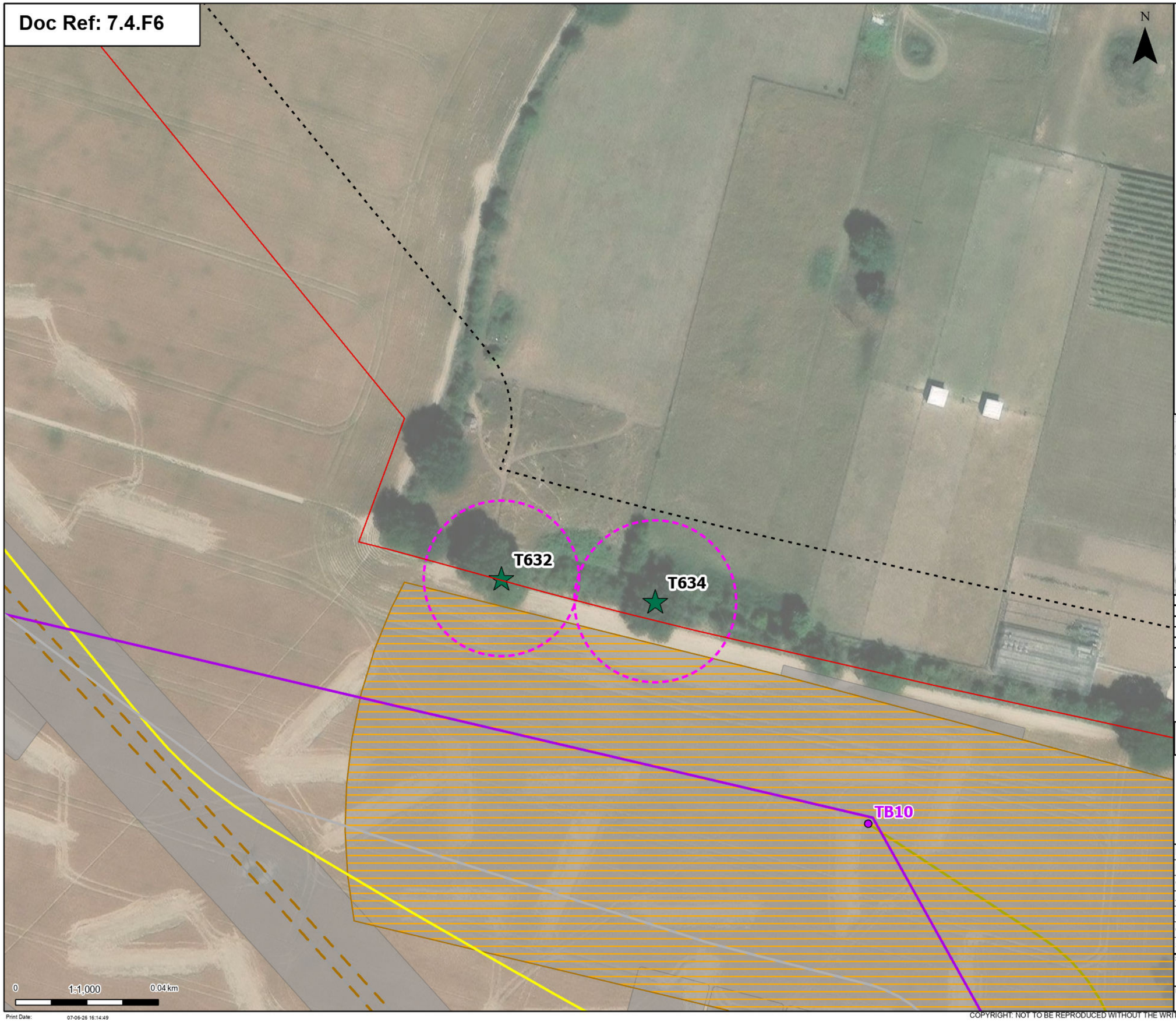
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Revision: B

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Doc Ref: 7.4.F6



Print Date: 07-06-26 16:14:49

Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed 33kV overhead line mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

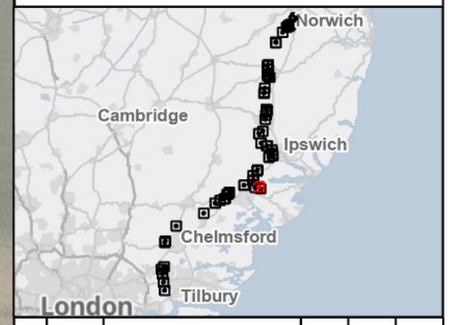
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
42 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

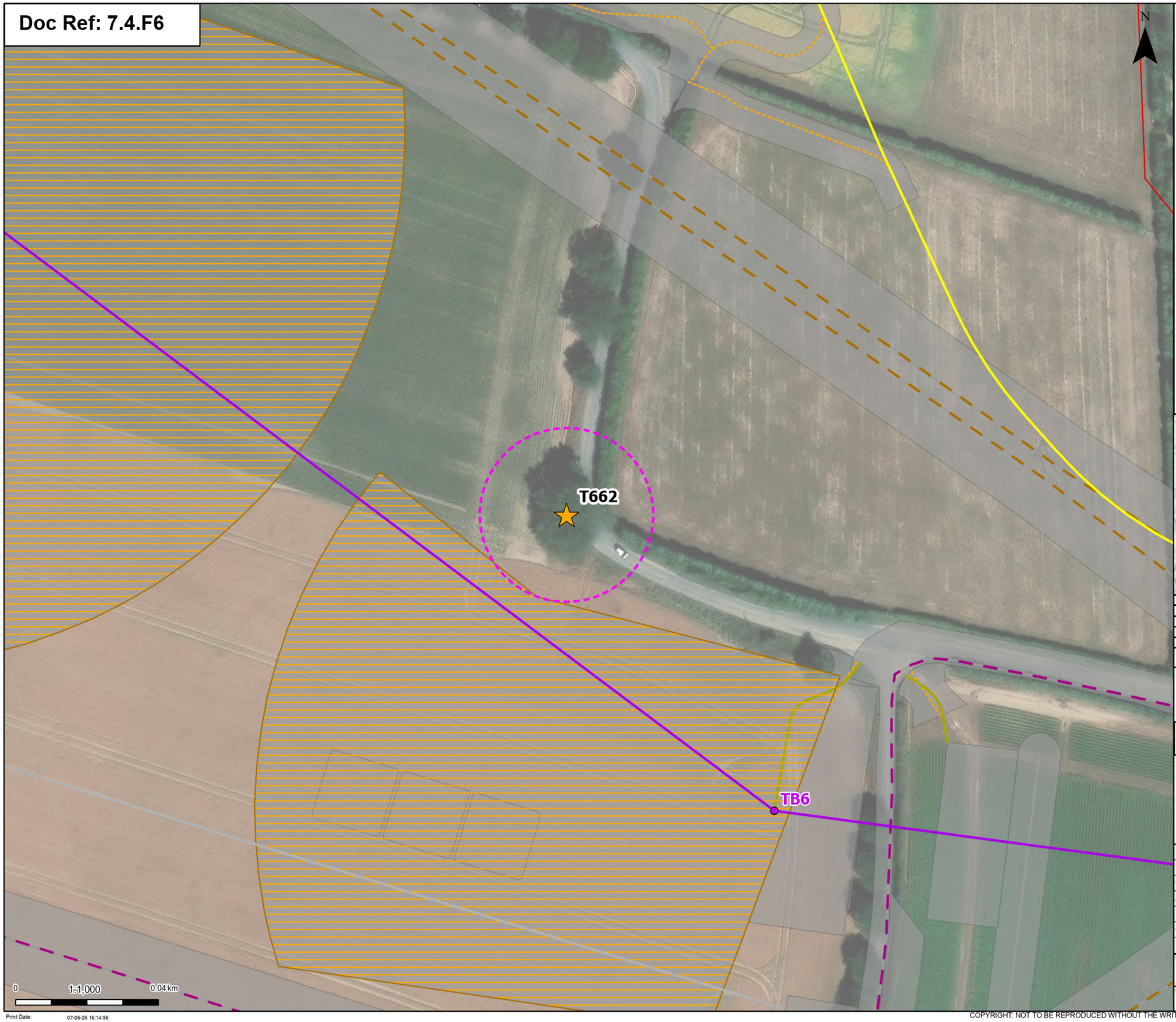
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

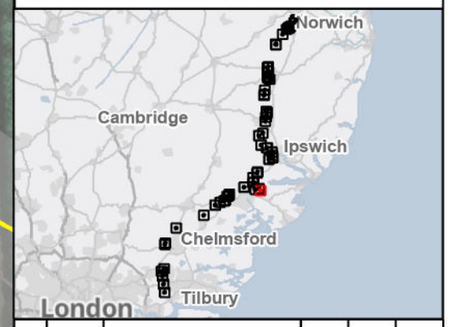
- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed underground cable alignment
- Proposed 33kV overhead line mitigation
- Proposed 33kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Proposed cable permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Potentially Affected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
43 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

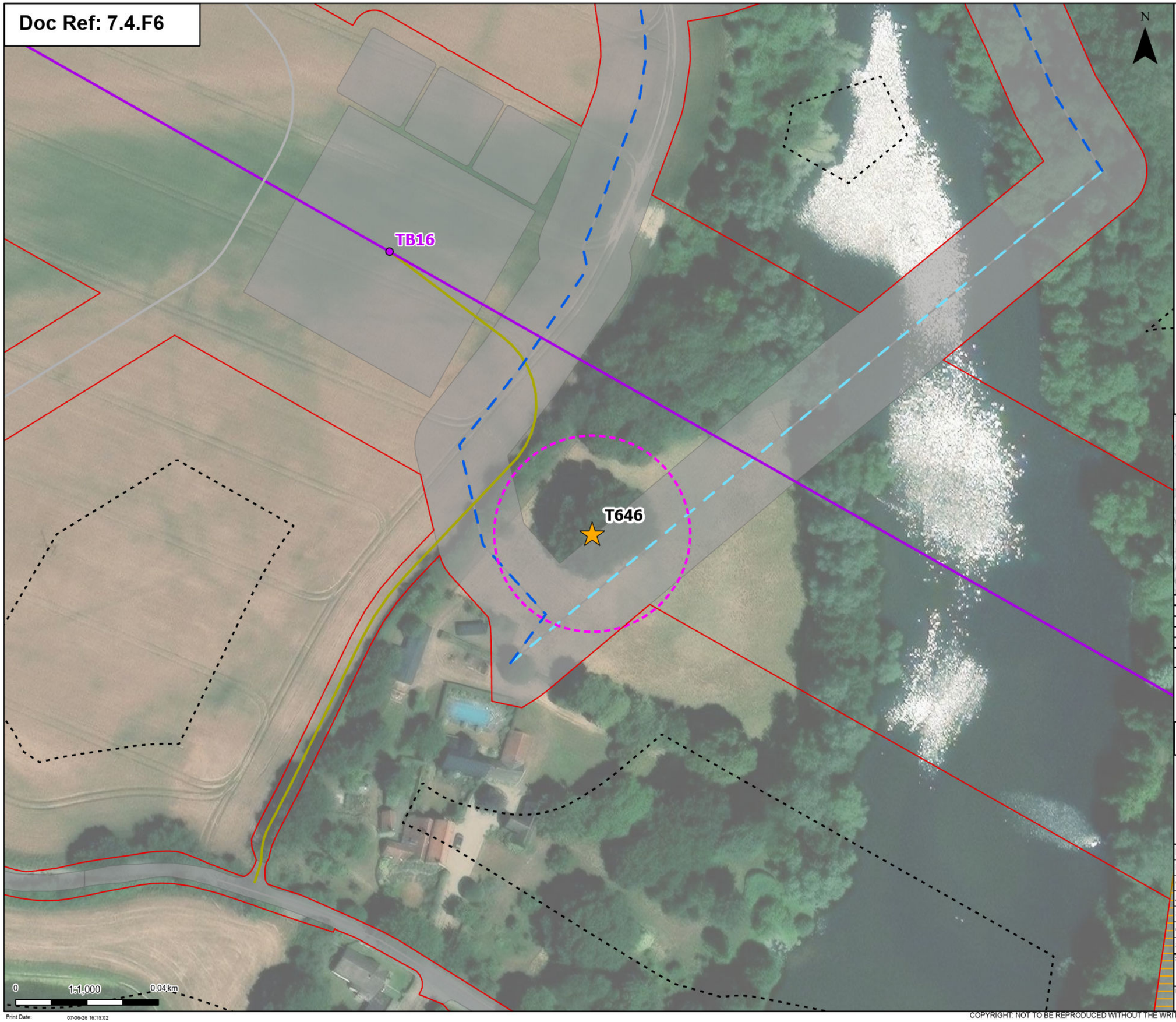
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Revision: B

Print Date: 07-06-26 16:14:56

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

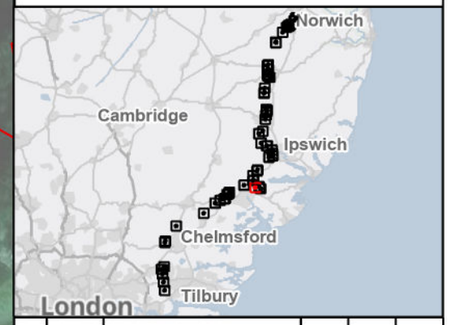
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
44 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

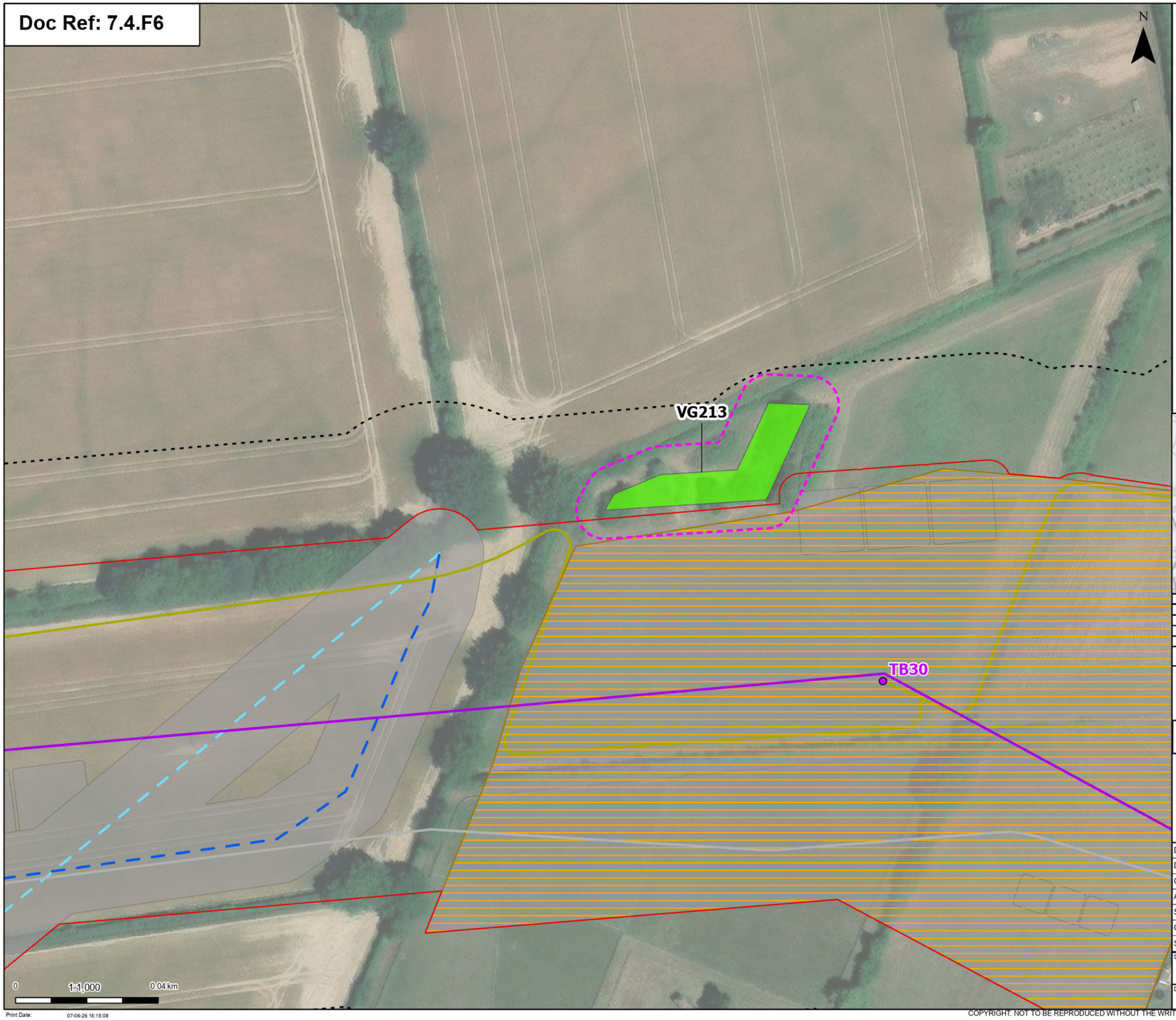
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

Print Date: 07-06-26 16:15:02

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

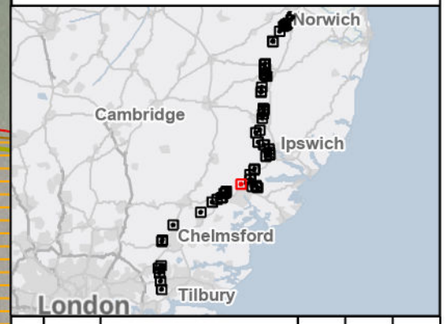
- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
45 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

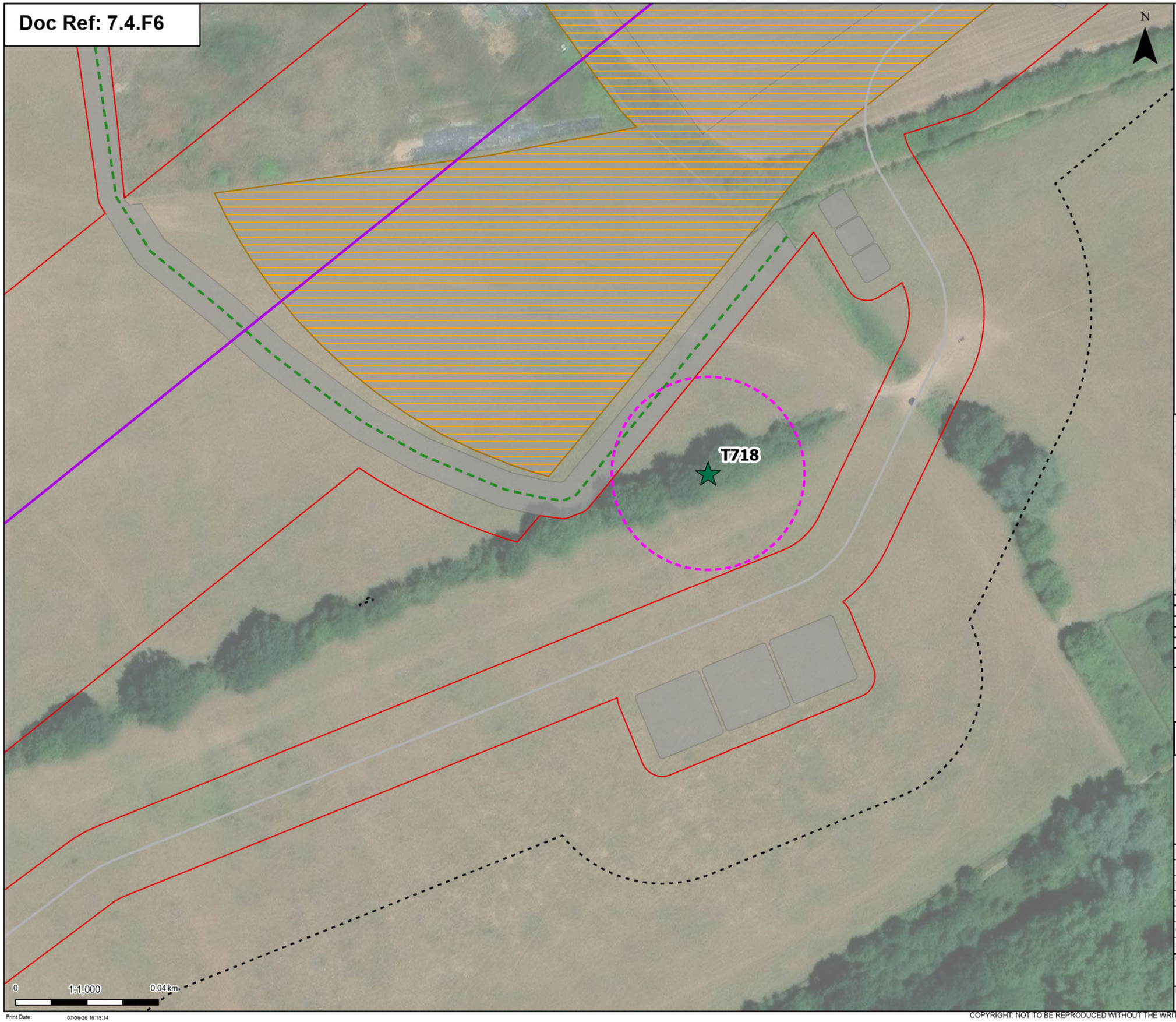
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Revision: B

Print Date: 07-06-26 16:15:08

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

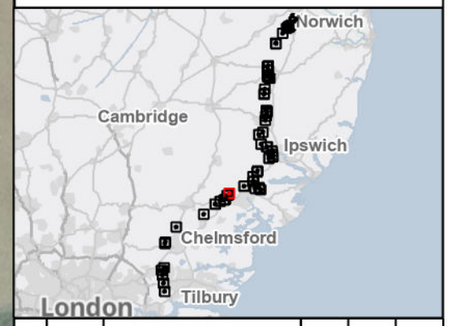
- OHL Construction Access Routes
- Proposed overhead line alignment
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Pulling locations
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
46 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

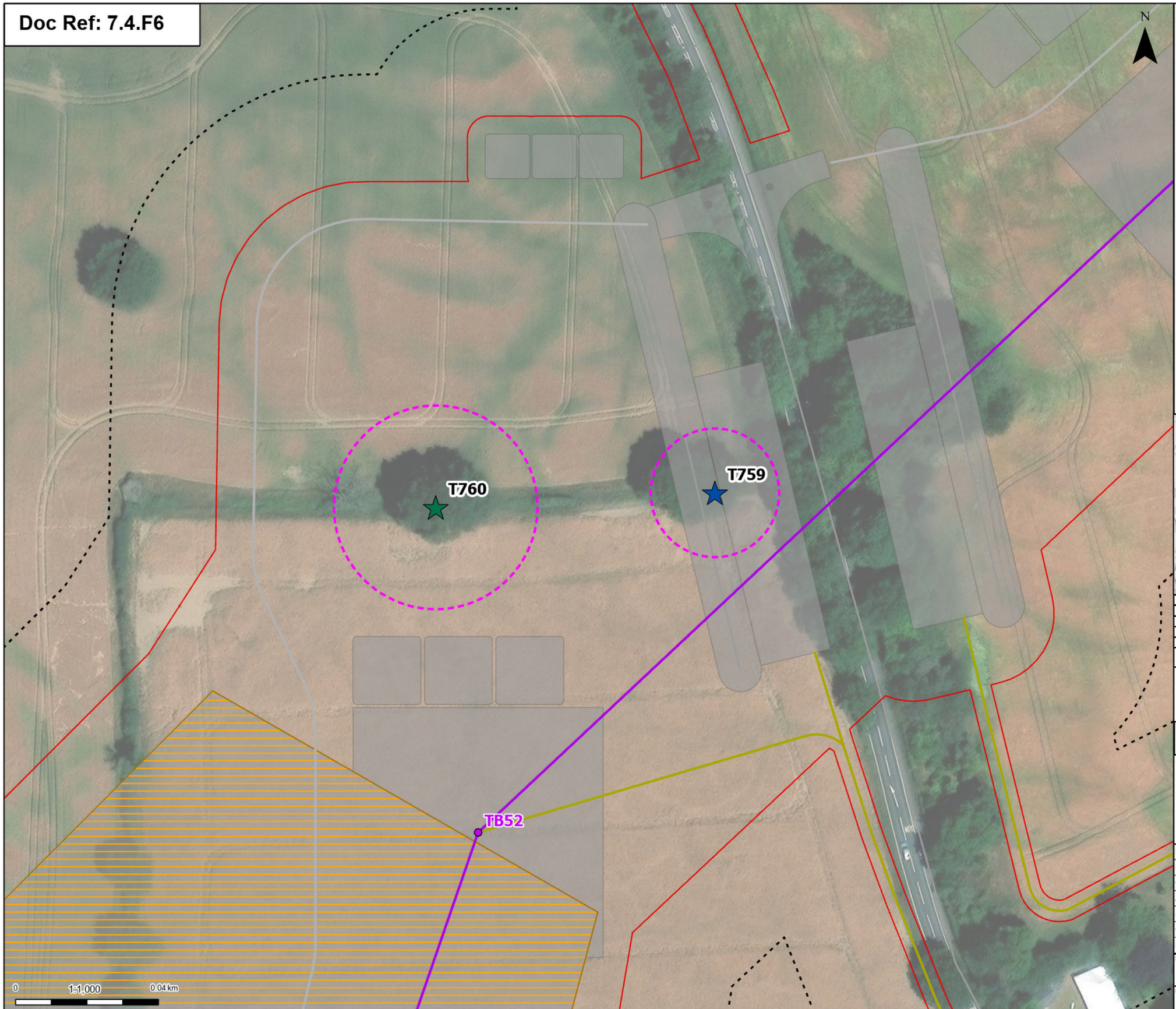
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

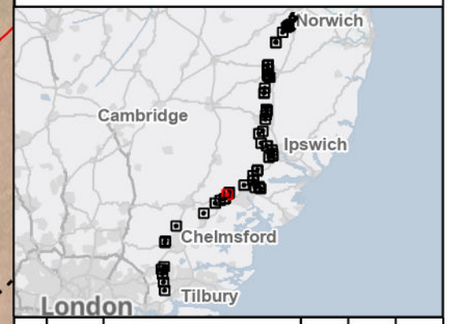
Veteran Trees

Group of trees - Impact

- Affected Managed
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
47 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

OHL Construction Access Routes

Proposed permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

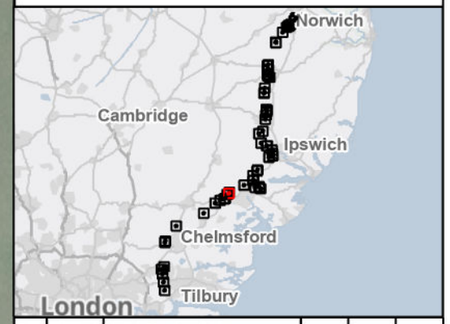
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations 48 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

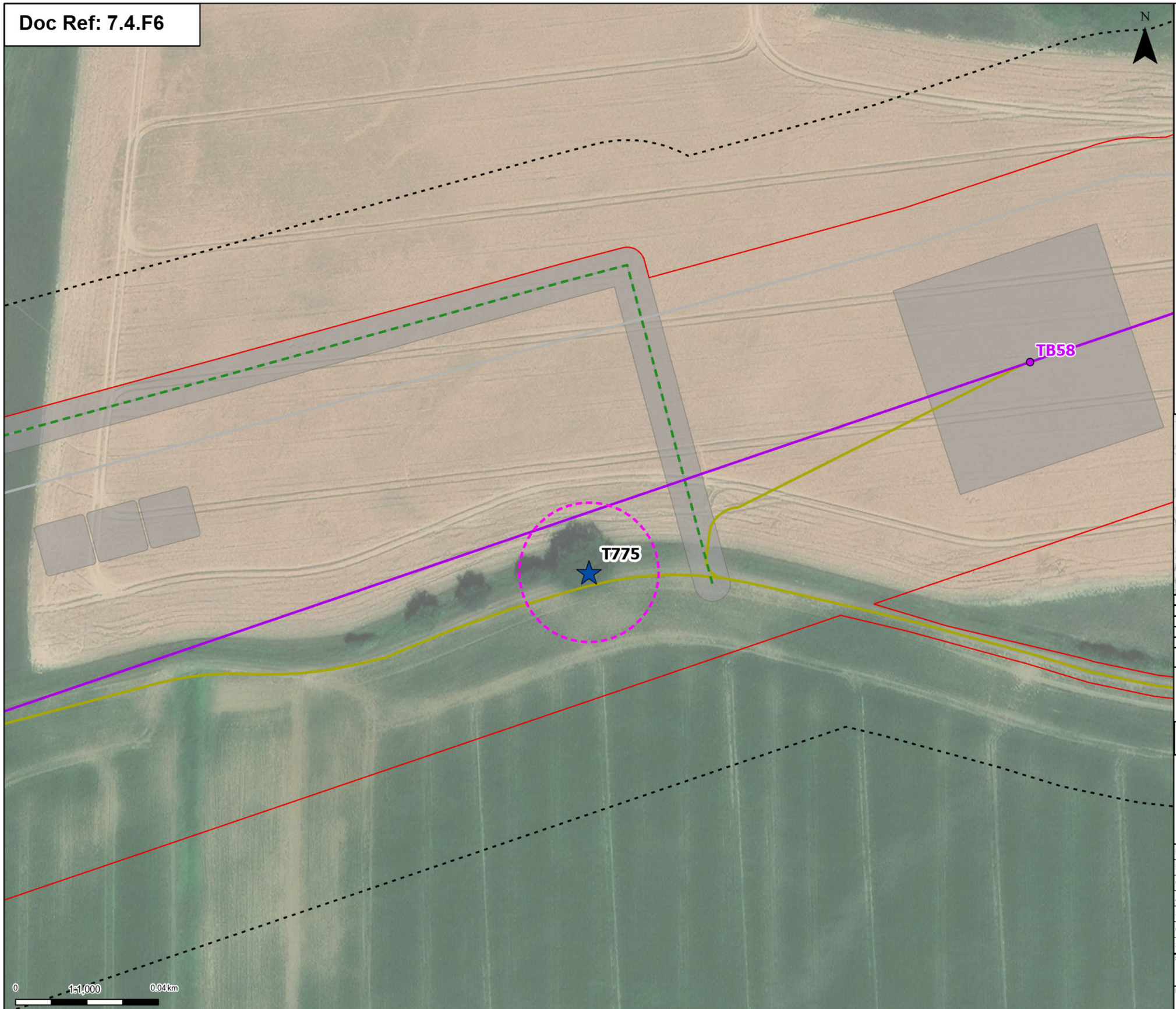
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Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Public Right of Way Temporary Diversion (DCO Boundary Change)
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

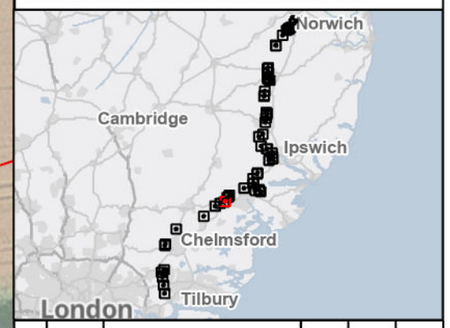
Veteran Trees

Group of trees - Impact

- Affected Managed
- Veteran Trees- Root protection 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	July 2026	FOR DCO APPLICATION	JAL	AF	KB
A	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
49 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

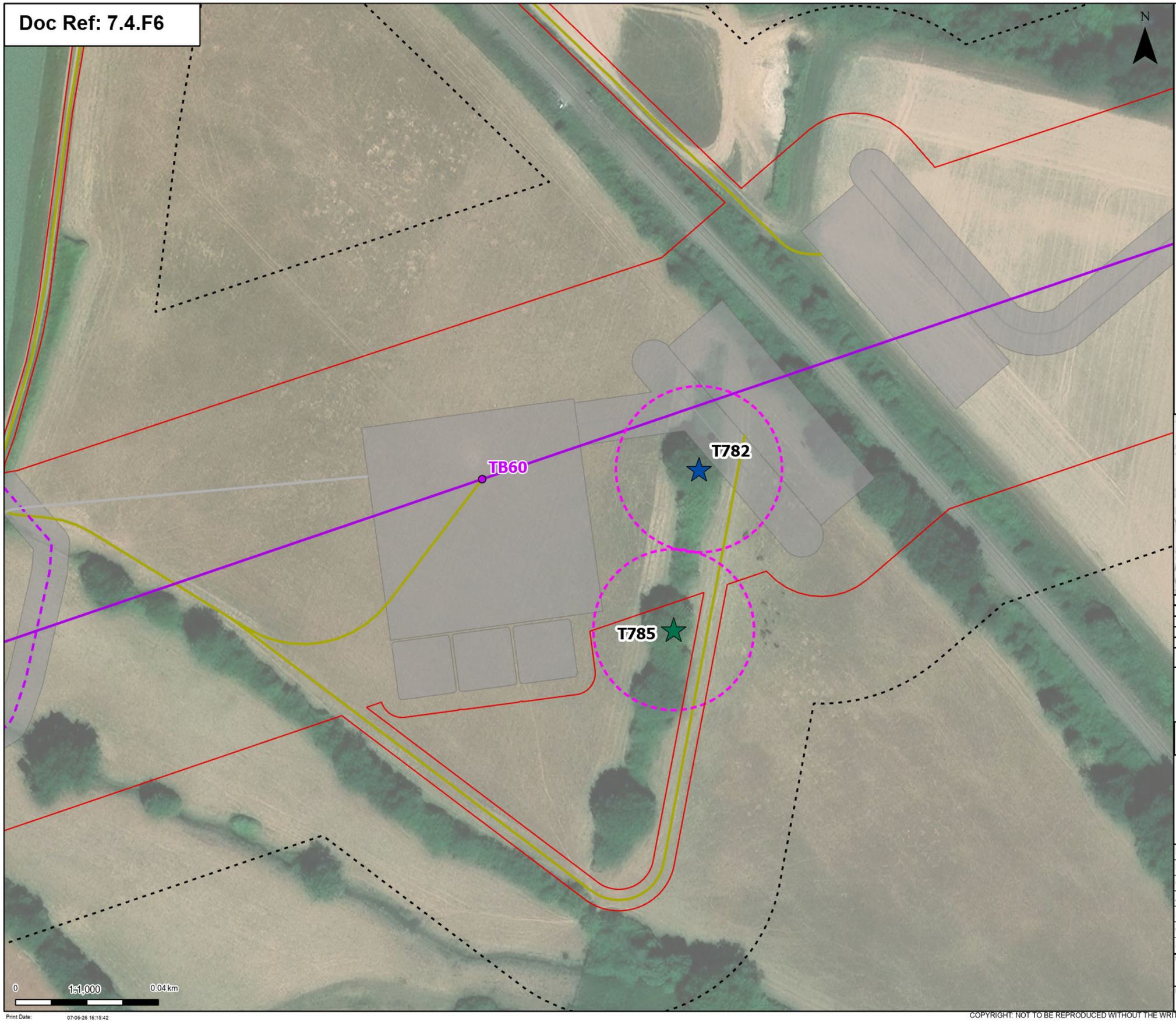
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Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Public Right of Way Temporary Diversion
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

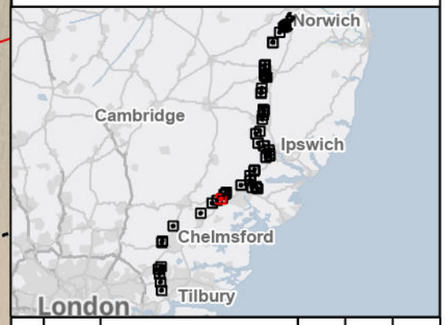
Veteran Trees

Group of trees - Impact

- Affected Managed
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
50 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

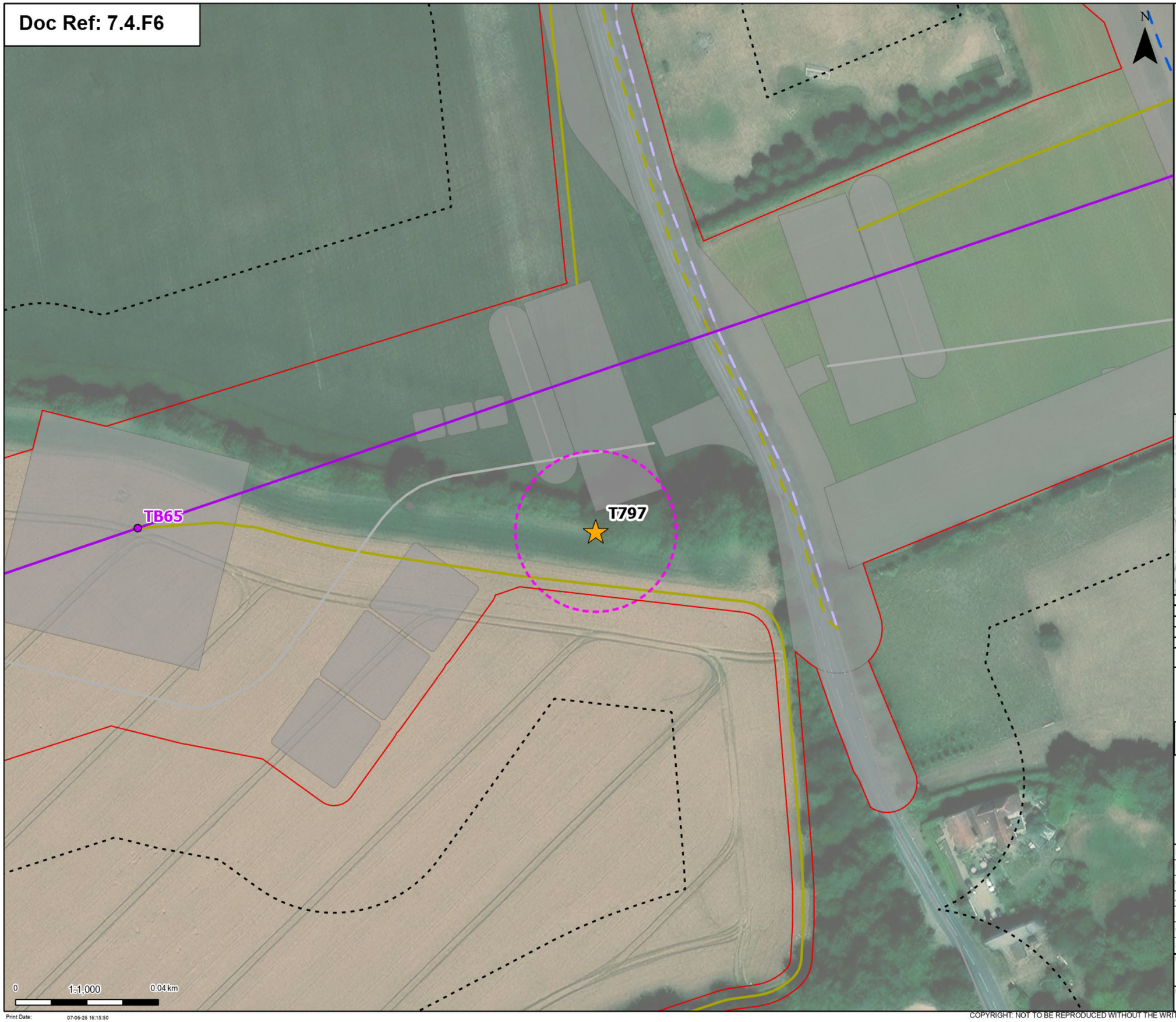
Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV underground cable alignment mitigation
- Proposed UKPN Pole Mitigation
- Proposed LV proposed underground cable alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

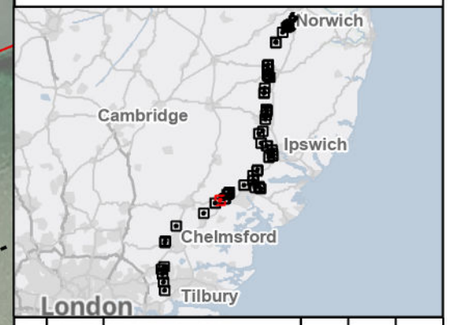
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
51 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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-00847

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

OHL Construction Access Routes

Proposed permanent access (no physical works)

Other temporary and permanent construction and operational works

Discipline specific constraints

Arboriculture Study Area

Veteran Trees

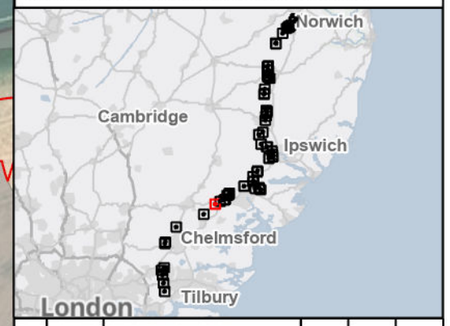
Group of trees - Impact

Unaffected

Veteran Trees- Root protection 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	Jan 2025	FOR DCO APPLICATION	MP	AF	KB

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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
52 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

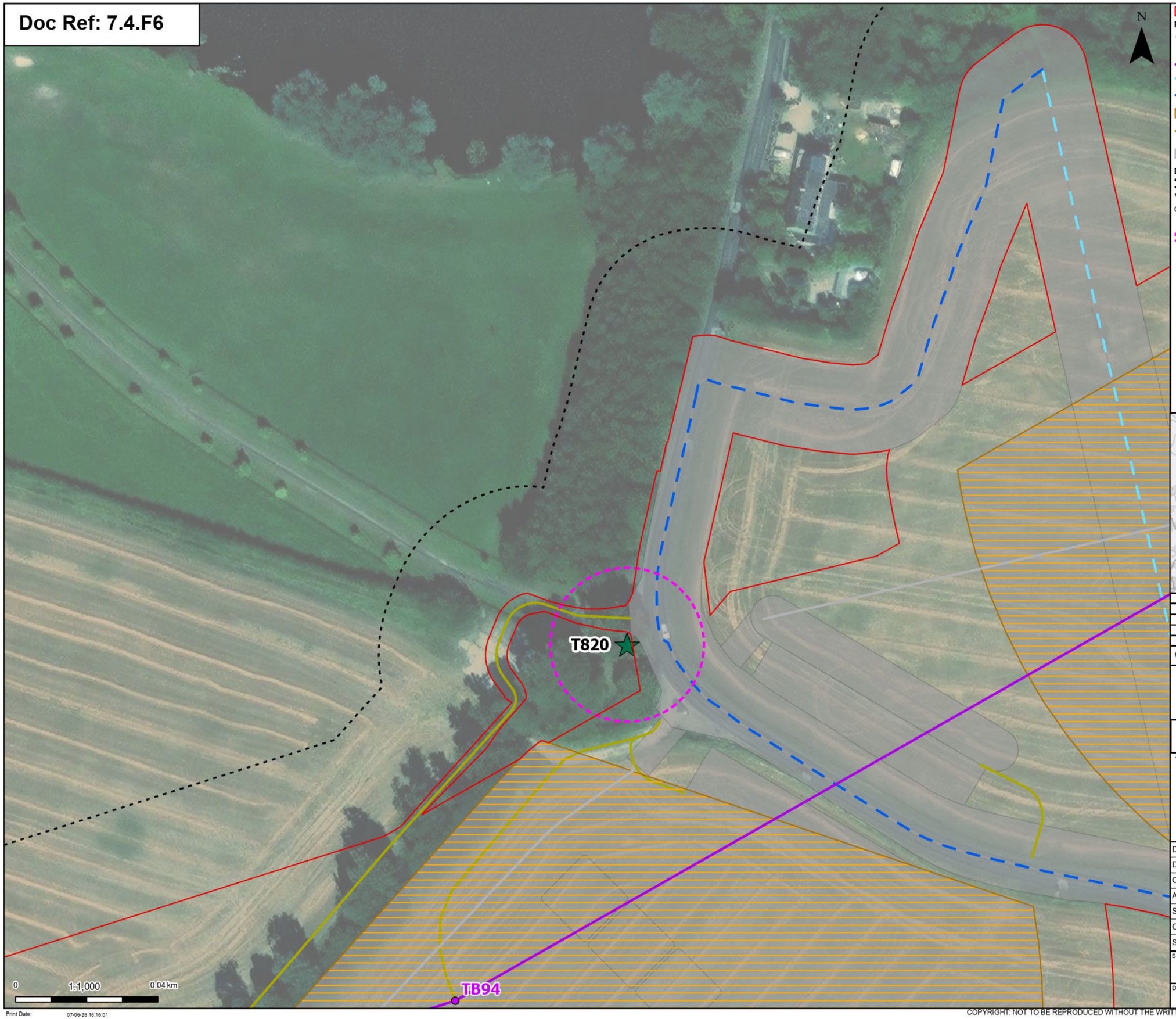
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Print Date: 07-06-26 16:15:56

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

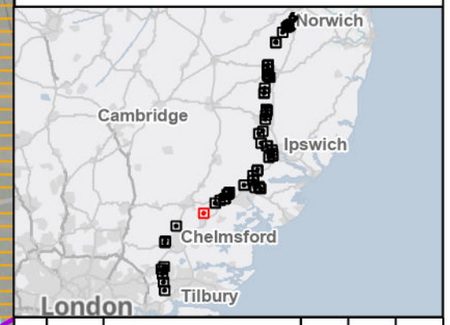
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
53 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

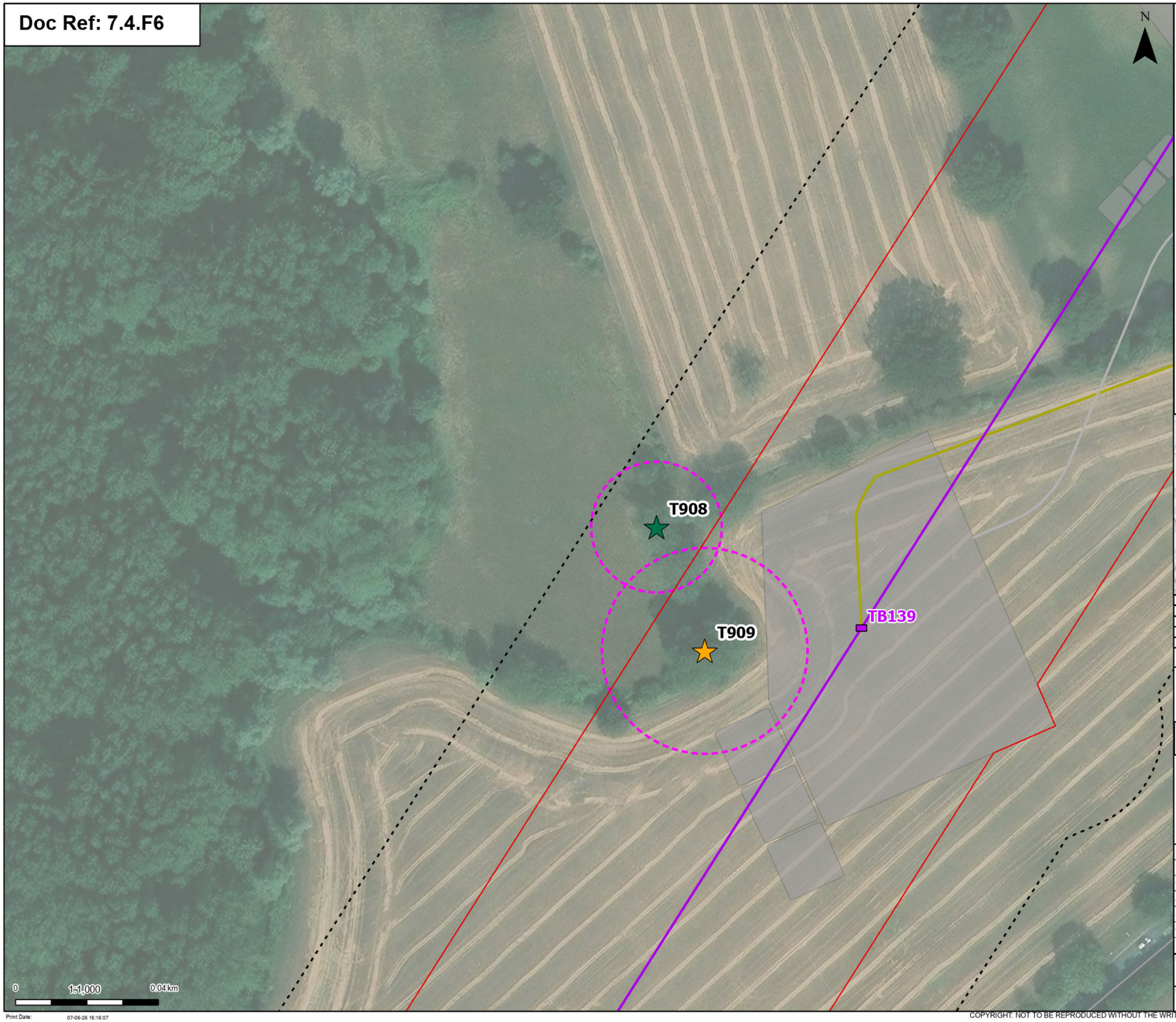
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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed low height pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

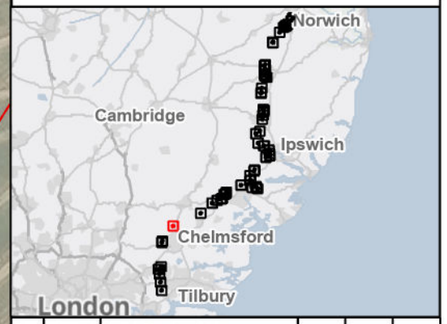
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Unaffected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
54 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

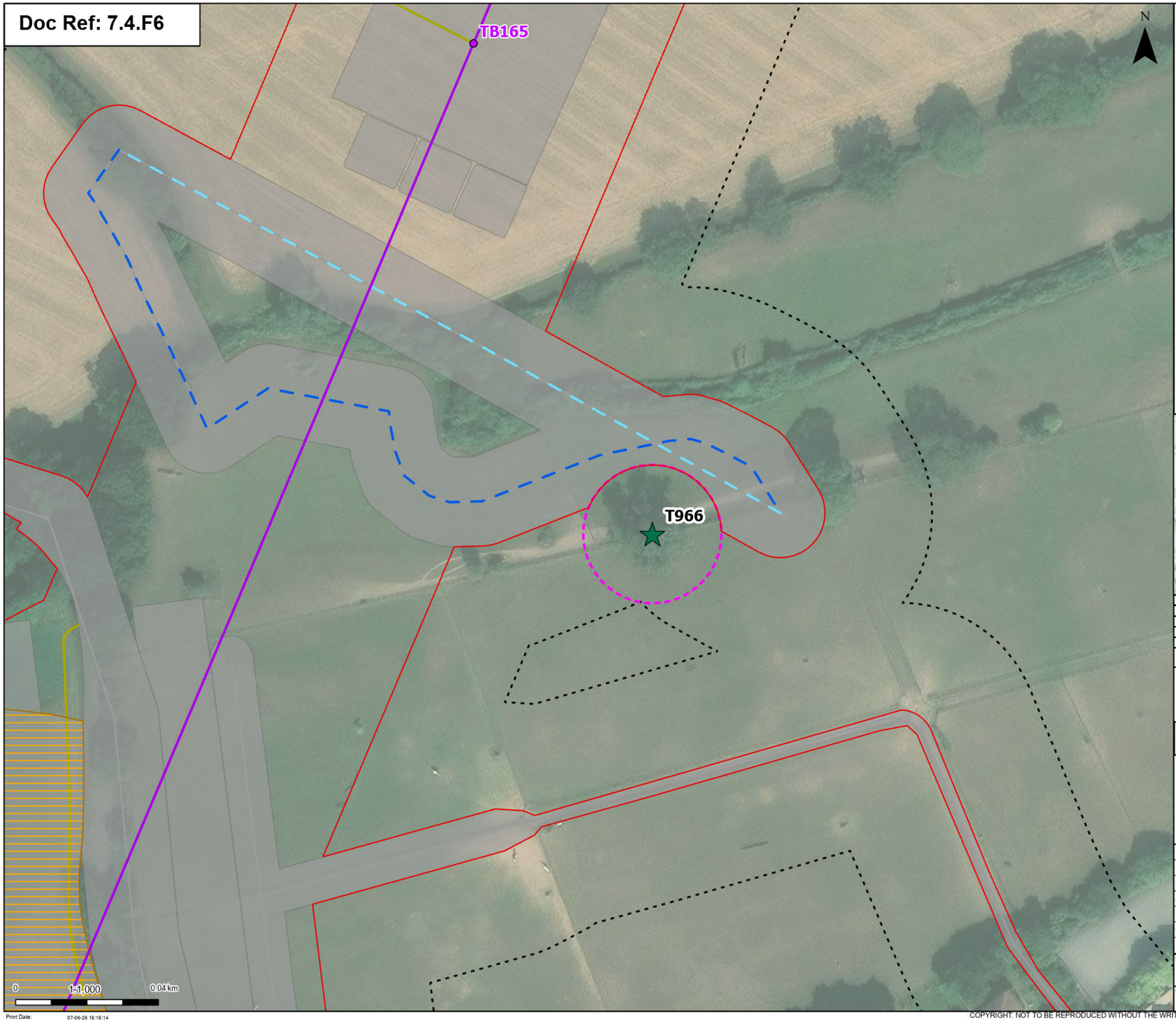
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Revision: B

Print Date: 07-06-26 16:16:07

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

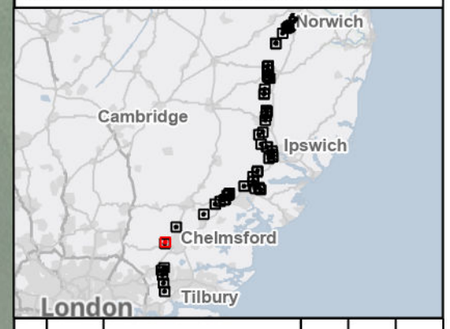
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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	July 2026	FOR DCO APPLICATION	JAL	AF	KB
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PROJECT: Norwich to Tilbury

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

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
55 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

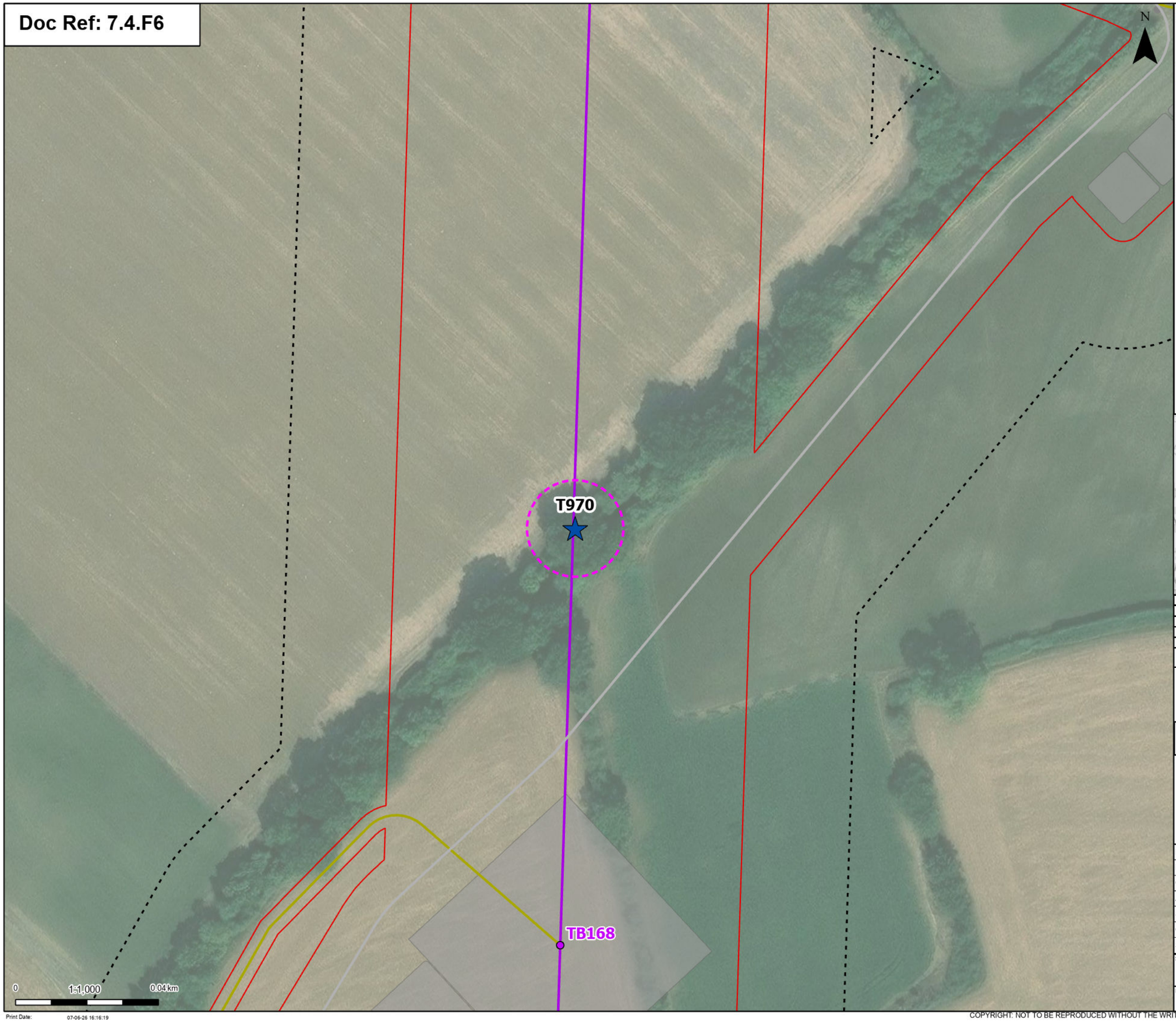
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Revision: B

Print Date: 07-06-26 16:16:14

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

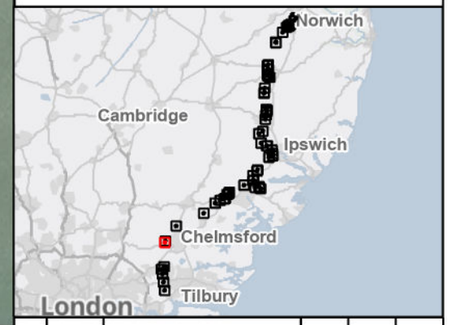
- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Affected Managed
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
56 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

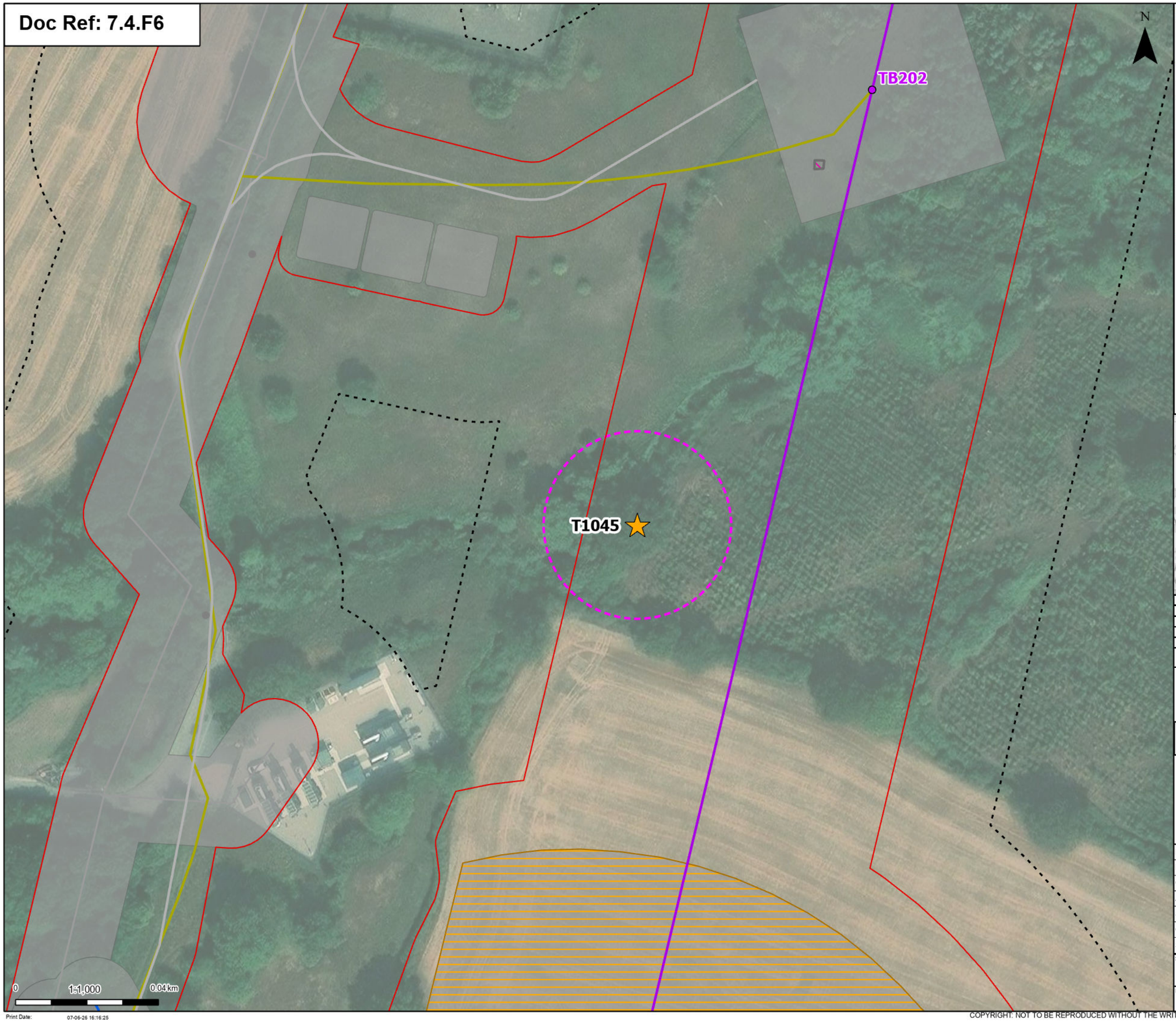
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Revision: B

Print Date: 07-06-26 16:16:19

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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Proposed 11kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

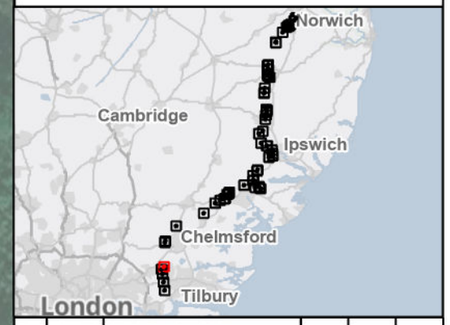
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
57 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
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Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

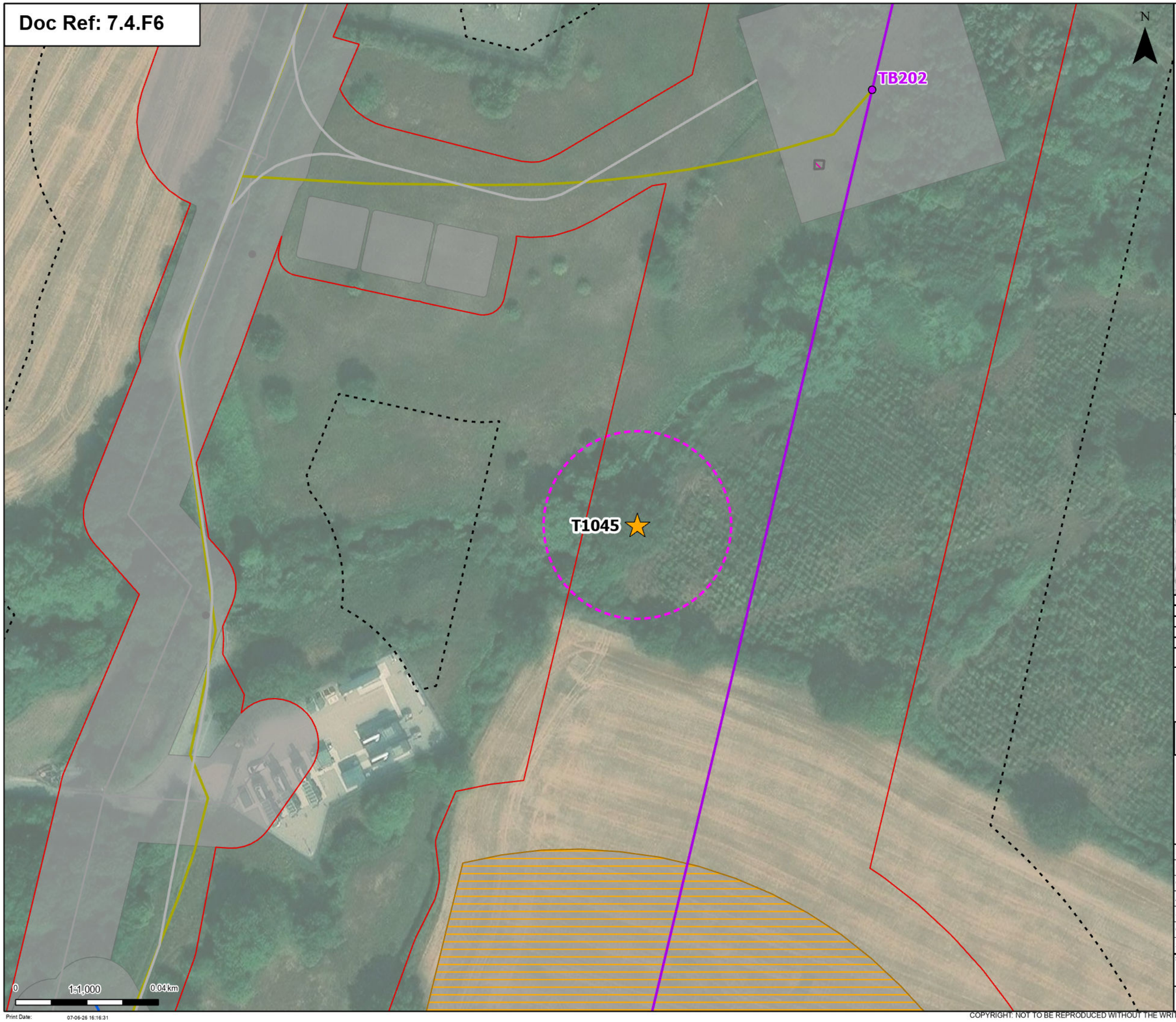
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Order limits

Proposed project design details
- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental mitigation
- Proposed 11kV underground cable alignment mitigation
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

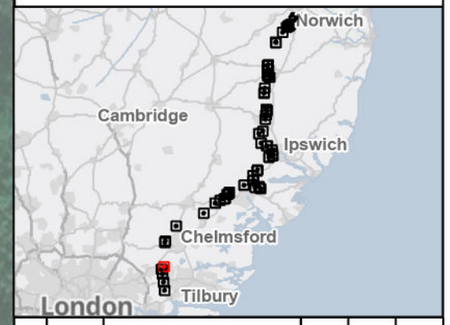
Discipline specific constraints
- Arboriculture Study Area

Veteran Trees

Group of trees - Impact
- Potentially Affected
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
58 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

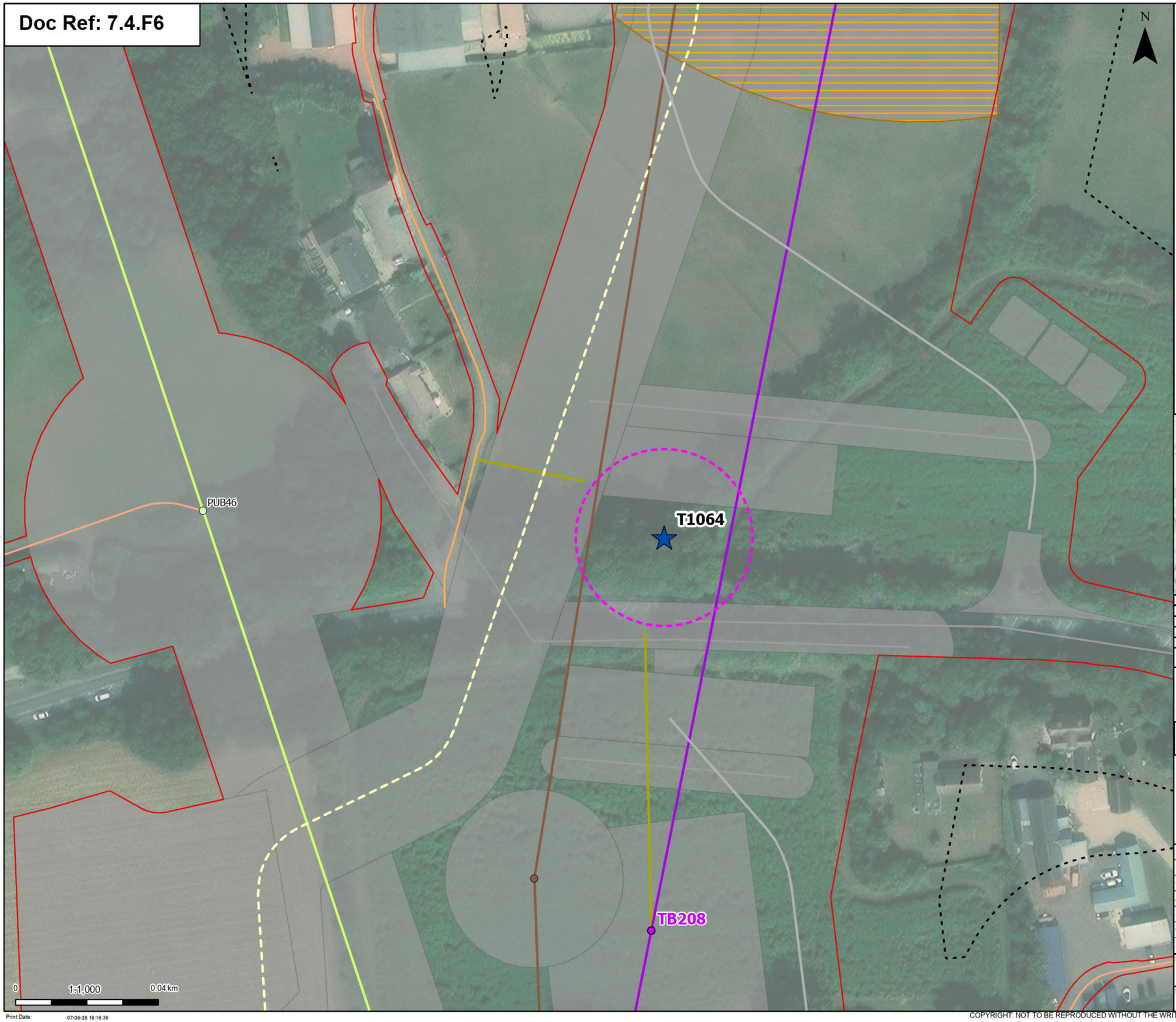
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EBD-ZZ-DR-ZZ-00847

Revision: B

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Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed UKPN overhead line dismantle towers
- Proposed UKPN overhead line temporary structure (only angles)
- UKPN Cable Centreline
- UKPN Dismantle Centreline
- UKPN Temp Diversion Centreline
- UKPN Tower Access
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

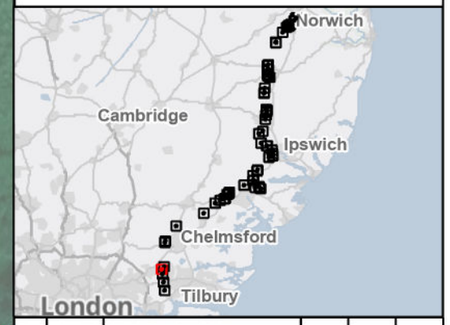
Veteran Trees

Group of trees - Impact

- Affected Managed
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
59 of 62

Designed	E. Pickering	Date	July 2026
Drawn	J. Acero Leon	Date	July 2026
Checked	A. Fell	Date	July 2026
Approved	K. Burrows	Date	July 2026
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Suitability Code:	A2	Project Number:	10059280

Suitability Description:
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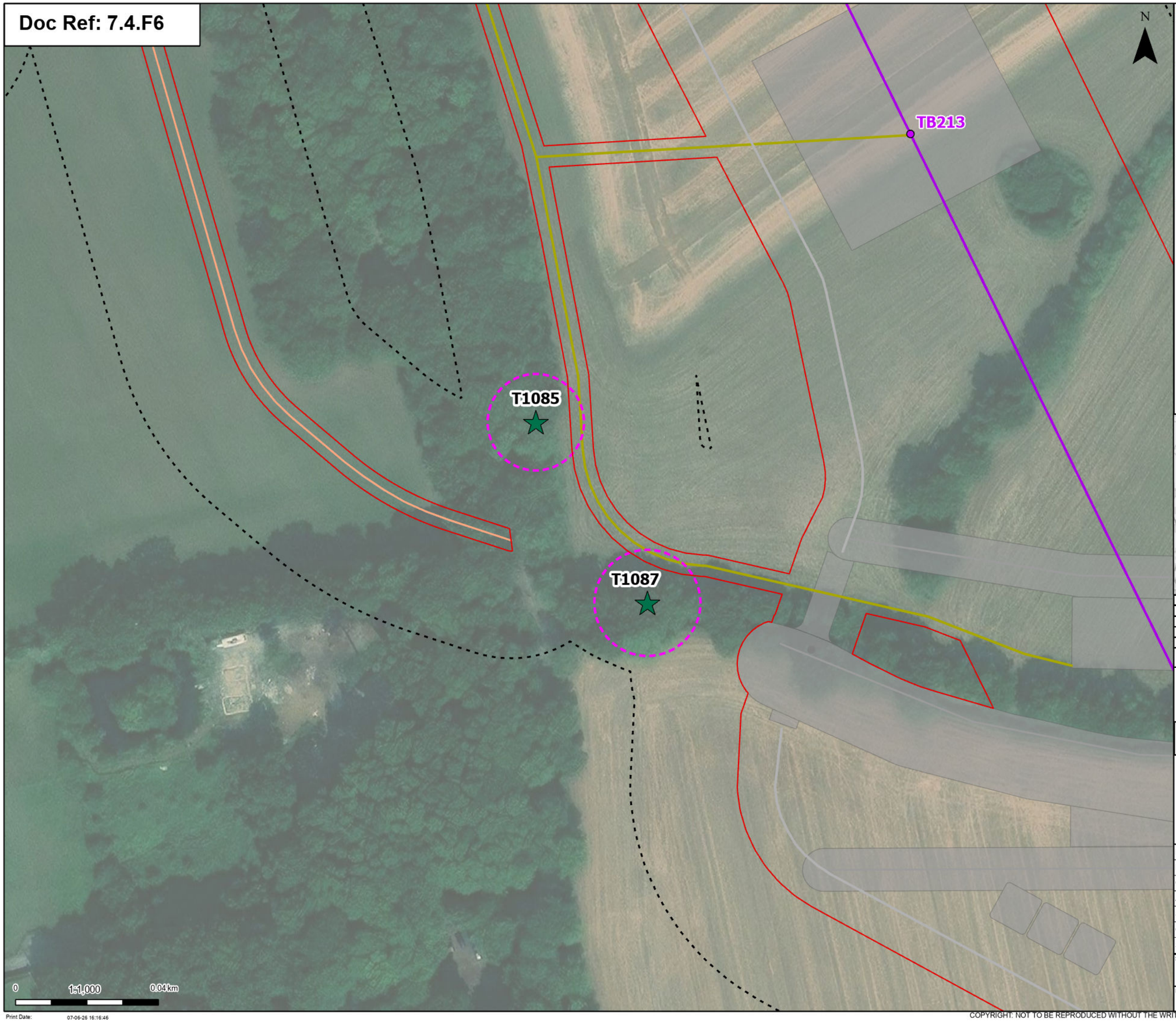
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Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- UKPN Tower Access
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

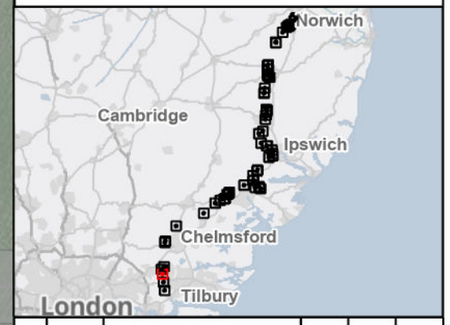
Veteran Trees

Group of trees - Impact

- Unaffected
- Veteran Trees- Root protection 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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60 of 62

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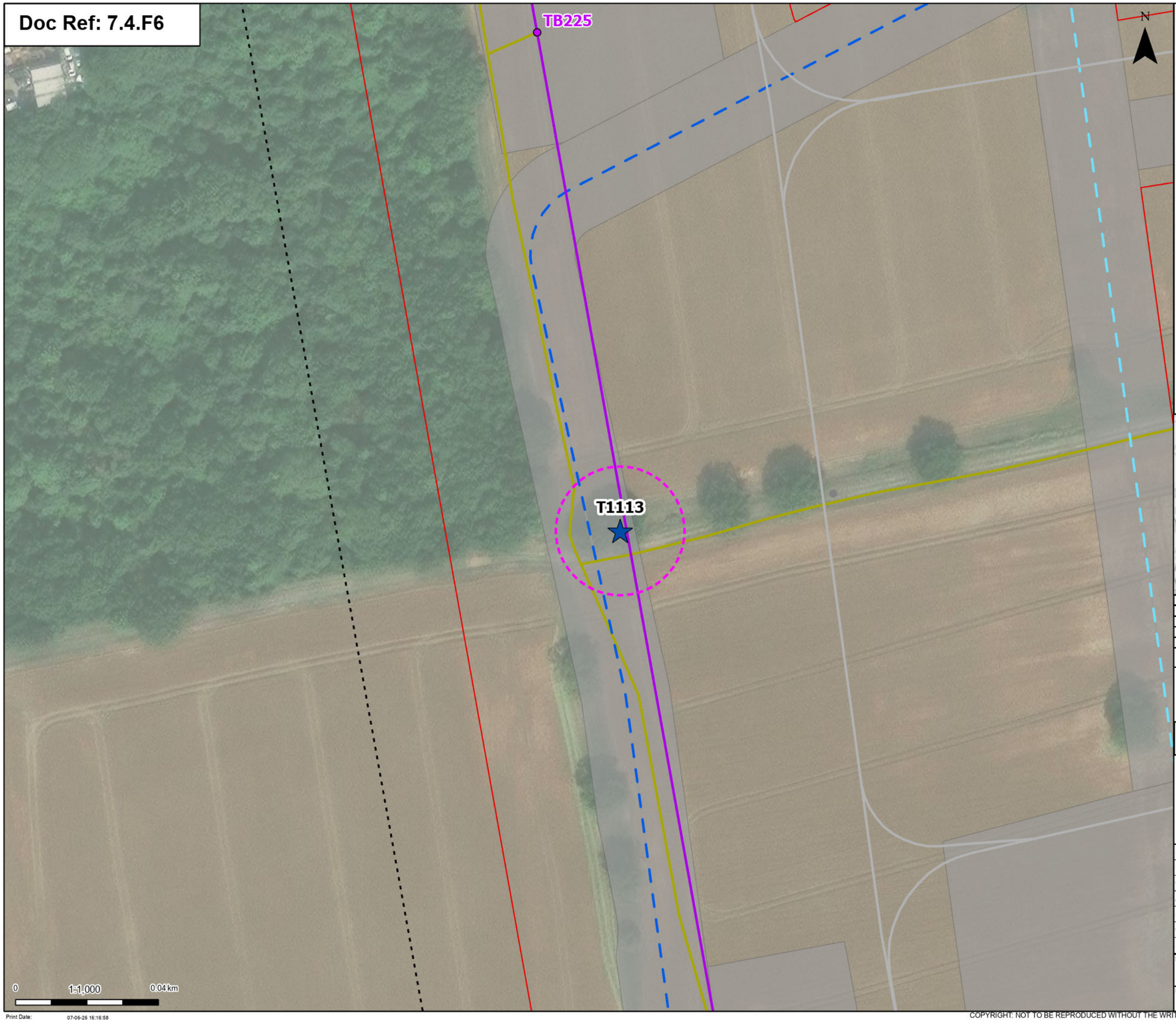
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Order limits

Proposed project design details

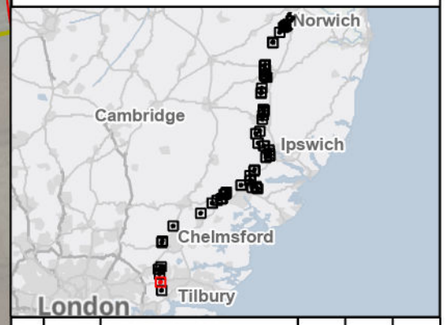
- OHL Construction Access Routes
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Proposed 11kV overhead line mitigation
- Proposed 11kV underground cable alignment mitigation
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area
- Veteran Trees
- Group of trees - Impact
- Affected Managed
- Veteran Trees- Root protection 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)

Title:

Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
61 of 62

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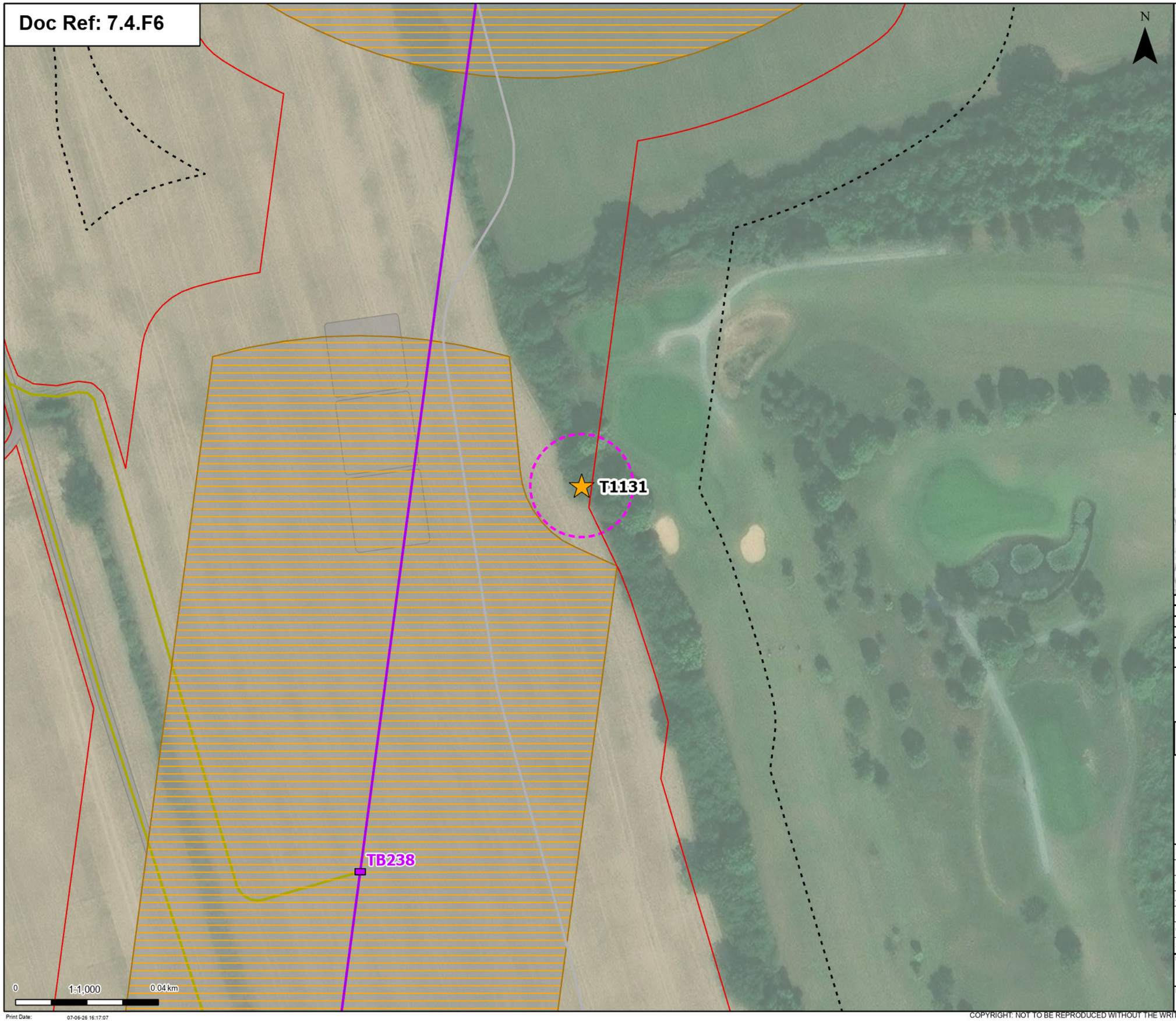
Suitability Description:
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Doc Ref: 7.4.F6



Order limits

Proposed project design details

- OHL Construction Access Routes
- Proposed low height pylon location
- Proposed overhead line alignment
- Pulling locations
- Proposed permanent access (no physical works)
- Other temporary and permanent construction and operational works

Discipline specific constraints

- Arboriculture Study Area

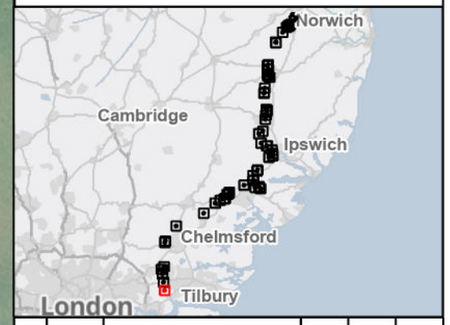
Veteran Trees

Group of trees - Impact

- Potentially Affected
- Veteran Trees- Root protection 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

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Figure B.A3 - Outline Landscape and Ecological Management Plan - Veteran Tree Locations
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Annex B. Other Ancient Woodland Within 15 m of the Order Limits

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Annex B
Other Ancient Woodland Within 15 m of the Order Limits

Table B.1 Other ancient woodlands within 15 m of Order Limits (woodlands not already captured in tables above)

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
B	Great Newton Wood	Borders Order Limit, woodland is 0 m east of 400 kV overhead line LoD extent but 43 m from current alignment. The woodland is 6 m south-west of a permanent access route for UKPN access to pylon EEPK9 as part of their 132 kV overhead line mitigation. No proposed works required for permanent access route as existing tracks (right of access only). No direct loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
B	Little Newton Wood	Woodland is 6 m south-east of closest point to permanent access route (right of access only) for UKPN access to pylon EEPK9 as part of their 132 kV overhead line mitigation. No proposed works required for permanent access route as existing road (Hill House Lane, right of access only). No works would be required for the permanent access route as an existing track would be used. No direct loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
B	Fore Grove (Part of Fore and Bushey Grove CWS)	This woodland is approximately 12 m from the Order Limits. It is approximately 21 m east of the proposed alignment of a temporary construction haul road and 15 m from the associated works	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to	No, not with additional/ embedded mitigation

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
		area, however, is 12 m from the haul road LoD. The 400 kV overhead line LoD is 14 m west of the woodland, with the current alignment designed to be approximately 65 m west.	ensure this 15 m ancient woodland buffer is not breached.	measures of minimising LoD extent where the 15 m ancient woodland~~15 m~~ buffer could be breached.
B	Ladies Walk	This woodland is 15 m from the works area (and associated vegetation removal swathe) for a 132 kV new underground cable centreline (EEPK-Route) as part of essential third-party works to facilitate the Project. The woodland is approximately 31 m from the current proposed underground cable alignment.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m buffer is not breached.	No
B	Somersham Park	Borders Order Limits. 13 m from permanent access route (right of access only) for construction of pylons RG201 and RG202 for 400 kV overhead line. No works would be required for the permanent access route as an existing track would be used. 0 m from 400 kV overhead line LoD extent but 50 m from current alignment. No direct loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland~~15 m~~ buffer could be breached.
B	Bullen Wood	Adjacent to Order Limits - directly next to Bramford Substation. Permanent existing access route 4 m to the south (right of access only) for construction of pylons JC6 and JC7 for 400 kV overhead line. No	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to	No, not with additional/ embedded mitigation

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
		works would be required for the permanent access route as an existing track would be used. South-east corner of woodland is within 8 m of 400 kV overhead line LoD extent but 52 m from current alignment. No direct loss of woodland is expected.	ensure this 15 m ancient woodland buffer is not breached.	measures of minimising LoD extent where the 15 m ancient woodland ~~15 m~~ buffer could be breached.
B	Lower Wood	Woodland is 6 m from pulling location by pylon RG179, but 84 m from pylon RG179 itself. No direct loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
B / C	Burstall Long Wood	Woodland is 6 m east at closest point from 400 kV overhead line LoD extent but 50 m from current alignment. No direct loss of woodland expected. 6 m from permanent access route (right of access only) as part of third party UKPN 132 kV overhead line mitigation. No works would be required for the permanent access route as an existing track would be used. No direct impact/ loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland~~15 m~~ buffer could be breached.
C	Wenham Thicks	Woodland is 5 m south at closest point from permanent access route (right of access only) for construction of pylons JC26 and JC27 for 400 kV overhead line. No works would be required for the	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to	

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
		permanent access route as an existing track would be used. No direct impact/ loss of woodland is expected. No direct impact/ loss of woodland is expected.	ensure this 15 m ancient woodland buffer is not breached.	
C	Brimlin Wood	Southern corner of woodland is 2 m north from 400 kV overhead line LoD extent but over 50 m from current alignment. No direct impact/ loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland~~15 m~~ buffer could be breached.
D	Terling Spring	The south-west corner of this woodland is adjacent to a third-party access track for pylon PSB38, this is part of mitigation works to UKPN's existing PSB Route (132 kV overhead line) necessary to facilitate the Project. No breaking ground is proposed within 15 m of this woodland, and no direct loss of woodland is anticipated.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
D	Fiddler's Wood	Woodland is 2 m south-west at closest point from visibility splay along Fiddlers Hill from bellmouth TB-B045. No ground excavation works within 15 m, no direct impact	Management of vegetation along road for visibility splay only in proximity to woodland, no de-vegetation of ancient woodland. No breaking ground works anticipated.	No.

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
D	Aldhamhall Wood	Woodland is 12 m east at closest point from 400 kV overhead line LoD extent but over 50 m from current alignment. No direct loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland~~15 m~~ buffer could be breached.
D	Church House Wood	South-east corner of woodland is 4 m north at closest point from 400 kV overhead line LoD extent but over 44 m from current alignment. No direct loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland~~15 m~~ buffer could be breached.
D	Harrow Corner (Harrow Wood LWS)	Not mapped as ancient woodland on the inventory but LWS description indicates ancient woodland features. Harrow Corner ancient woodland is adjacent to a permanent access route (right of access only) located on the fringes of the ancient woodland boundary, no works would be required for the permanent access route as an existing track	Commitment to no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
		would be used. An Environmental Area would be located adjacent to the woodland for habitat creation and enhancement measures only. There would be no other construction elements within 50 m. Woodland is 12 m west at closest point from overhead line LoD extent but over 150 m from current alignment and 18 m from current construction swathe. No loss of woodland is anticipated.		15 m ancient woodland ~~15 m~~ buffer could be breached.
E	Sandy Wood	Woodland is 10 m north of closest point to permanent access route (right of access only) for UKPN access to pylon PSB38 as part of their 132 kV overhead line mitigation. No works would be required for the permanent access route as an existing track would be used.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
E	Hallhook Row	Borders Order Limit. 0 m from 400 kV overhead line LoD extent but 49 m from current alignment. No direct loss of woodland is expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland ~~15 m~~ buffer could be breached.

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
F	Bushy Wood	Adjacent to Order Limits. Woodland is 3 m north at the closest point from permanent access route (right of access only) for construction of pylon TB151 for 400 kV overhead line. Woodland is 8 m north-west from 400 kV overhead line LoD extent but over 55m from current alignment. No direct loss of woodland expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland ~~15 m~~ buffer could be breached.
F	Writtle-James Spring	Woodland is 5 m north at closest point from permanent access route (right of access only) for construction of pylon TB181 for 400 kV overhead line. No direct loss of woodland expected.	Commitment for to no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
F	Sparrowhawk Wood	Woodland is 11 m south at the closest point from permanent access route (right of access only) for construction of pylon TB144 for 400 kV overhead line. No direct loss of woodland expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
F	Border Wood LWS	9 m from the Order Limits but at least 30 m from pulling location of pylon TB146 for 400 kV overhead line and 165 m from pylon itself. No direct loss of woodland expected.	Embedded mitigation during the design phase has scoped out the need for additional mitigation measures.	No

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
F	Osborne's Wood	Woodland is 5 m east from 400 kV overhead line LoD extent at closest point, but 50 m from current alignment. No direct loss of woodland expected. Woodland is 11 m east at closest point to permanent access route (right of access only) for construction of pylon TB183 for 400 kV overhead line.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No, not with additional/ embedded mitigation measures of minimising LoD extent where the 15 m ancient woodland buffer could be breached.
G	Round Wood	Round Wood ancient woodland is 5 m north at closest point to permanent access route (right of access only) for construction of pylon TB205 for 400 kV overhead line. No direct loss of woodland expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
G	Primstock	Primstock ancient woodland is 7 m west at closest point to permanent access route (right of access only) for construction of pylon TB213 for 400 kV overhead line. No direct loss of woodland expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
F	Lady Grove	The woodland is 7 m west of the Order Limits and a Public Right of Way (PRoW) diversion. This will require the temporary stop-up of a culverted footbridge along the Writtle FP66 238 existing PRoW, approximately 8 m from the south-eastern	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to	No

Project Section	Ancient Woodland Name	Woodland in Relation to the Project	Mitigation Measure/ Commitment	Breaking Ground/ Physical Works Within 15 m?
		corner of the woodland. No breaking ground is anticipated within 15 m of this woodland and no additional mitigation required.	ensure this 15 m ancient woodland buffer is not breached.	
F	Sparrowhawk Wood	Woodland is 1 m south at the closest point from permanent access route (right of access only) for construction of pylon TB144 for 400 kV overhead line. No direct loss of woodland expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No
G	St Margarets Wood and Lane LWS	St Margarets Wood and Lane is a LWS which contains a woodland which is not mapped on the inventory, but its description indicates ancient woodland features. The lane portion of the LWS passes through the Order Limits, however the woodland is approximately 30 m west at its closest point to a permanent access route (right of access only) for construction of pylon TB219 for 400 kV overhead line. No direct loss of woodland expected.	Commitment for no physical works or breaking ground within 15 m of ancient woodland where at all possible. Demarcation measures will be used to ensure this 15 m ancient woodland buffer is not breached.	No

Annex C. Ancient Woodland with Proposed Mitigation in relation to the Project

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Annex C
Ancient Woodland with Proposed Mitigation in relation to the Project

Figure B.C.1 Round Wood (Section B)



Figure B.C.2 Rivenhall Thicks (Section E)



Figure B.C.3 Writtle - Writtlepark Woods (Section F)

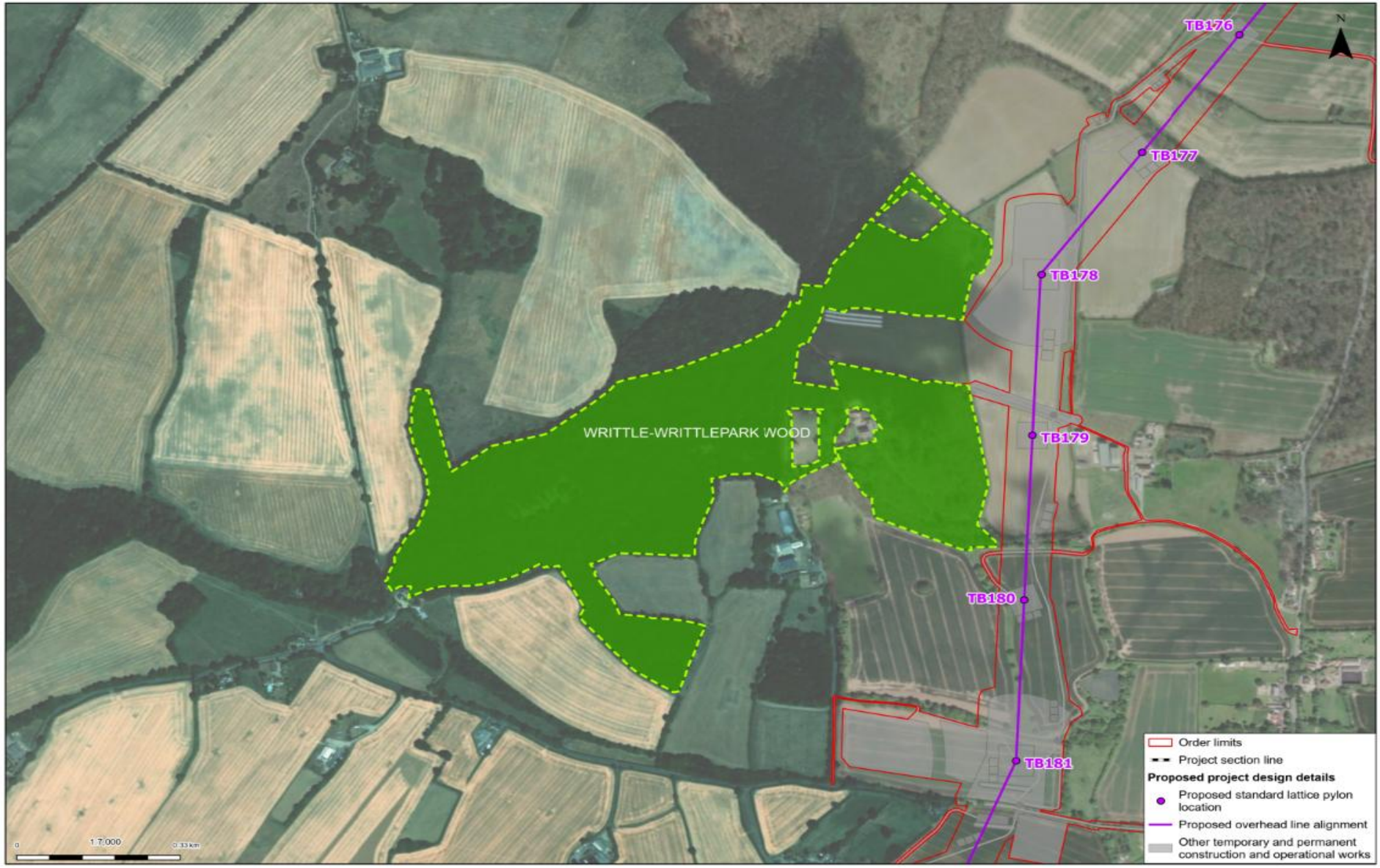


Figure B.C.4 Clapgate Wood (Section G)



Figure B.C.5 Miller's Wood (Section B)



Figure B.C.6 Stonefield Strip (LWS) (Section D)



Figure B.C.7 removed as Mann/Parson’s Wood is no longer within 15 m of proposed works.

Figure B.C.8 Sheepcote's Wood (Section F)



Figure B.C.9 Botneyhill Wood (Section G)



Figure B.C.10 Little Bladen's Wood (Section G)



Figure B.C.11 Rainbow Wood and Ashen Shaw LWS (Section H)

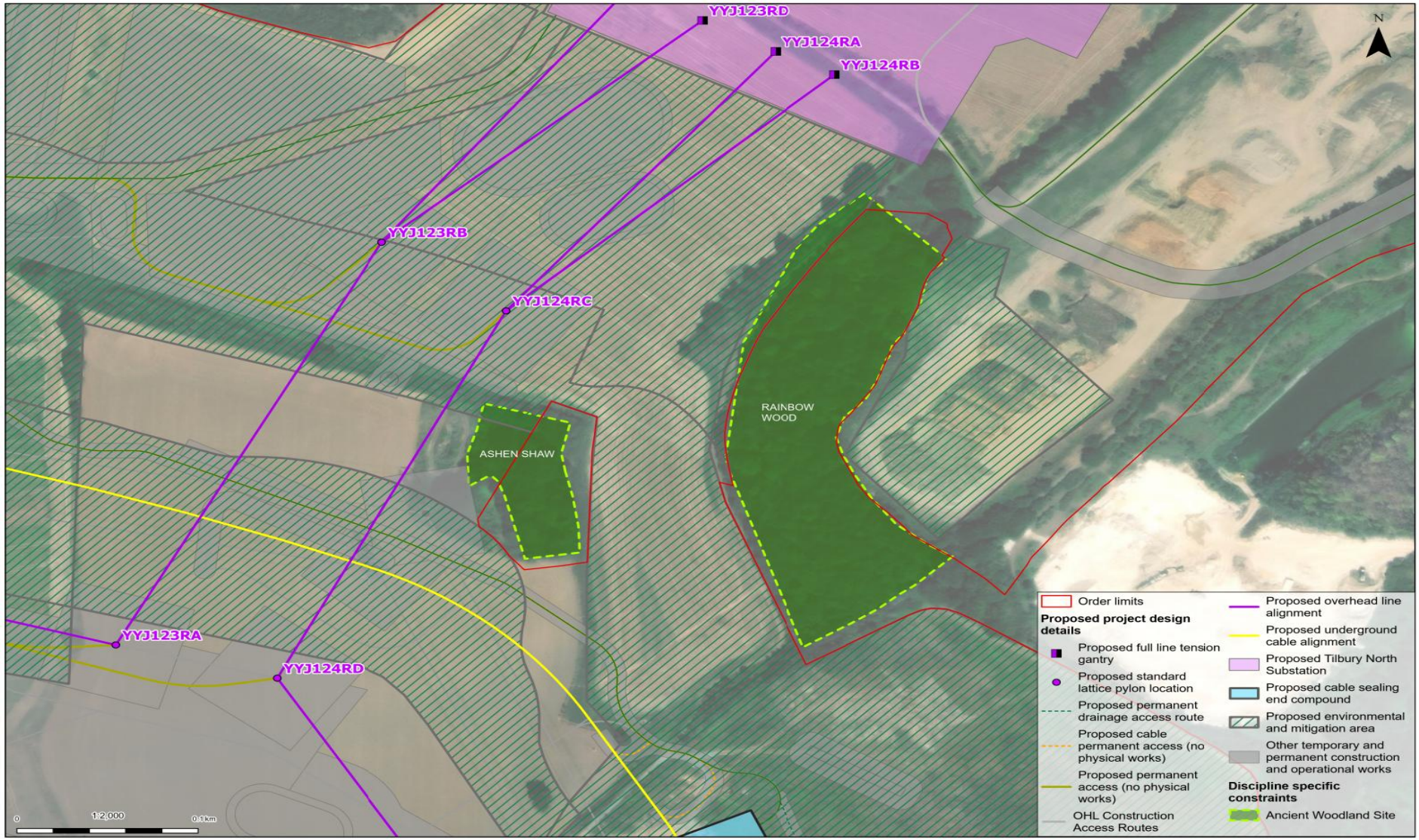


Figure B.C.12 Lodgefield Row (Section B)

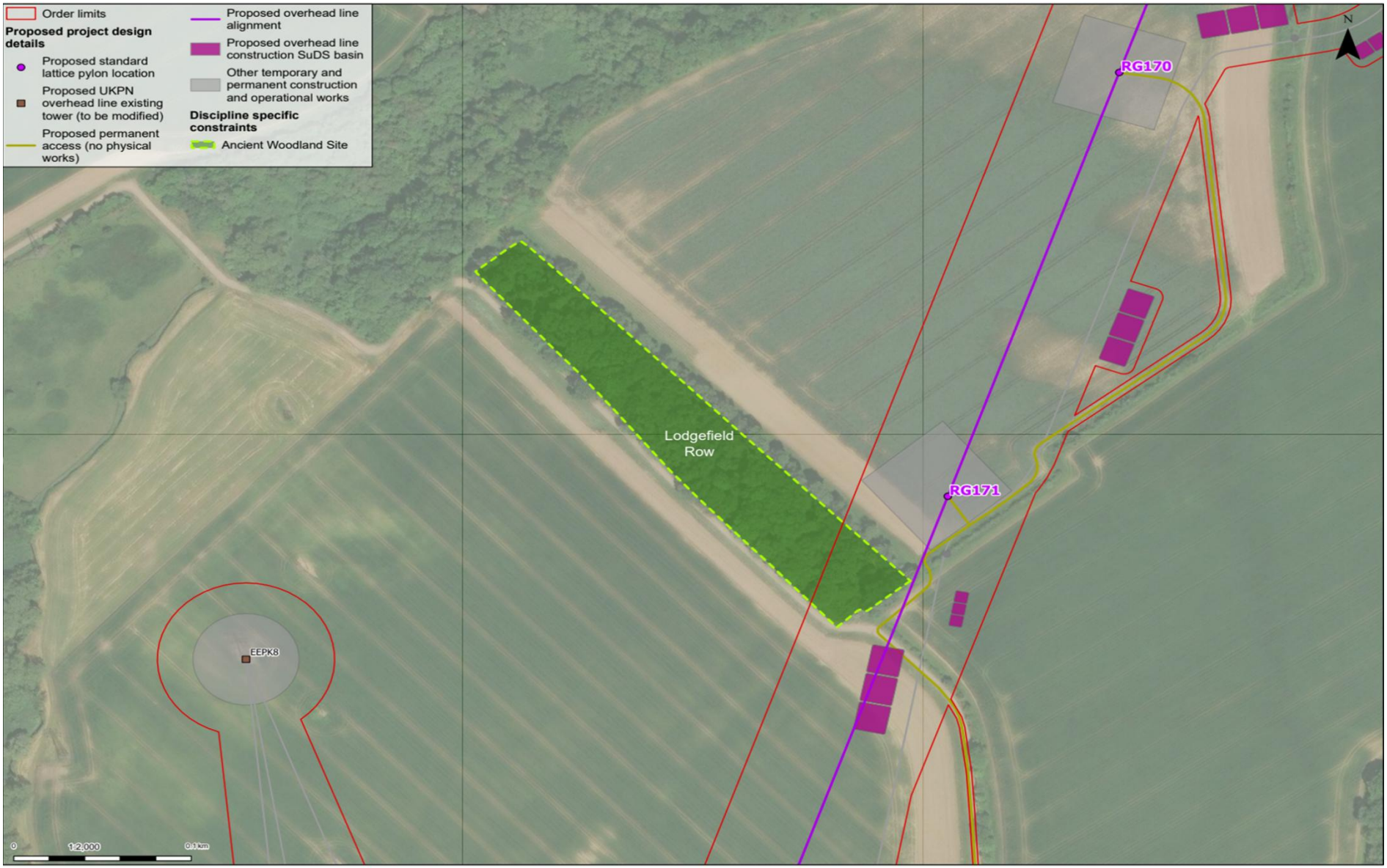


Figure B.C.13 Bushey Grove (Section B)

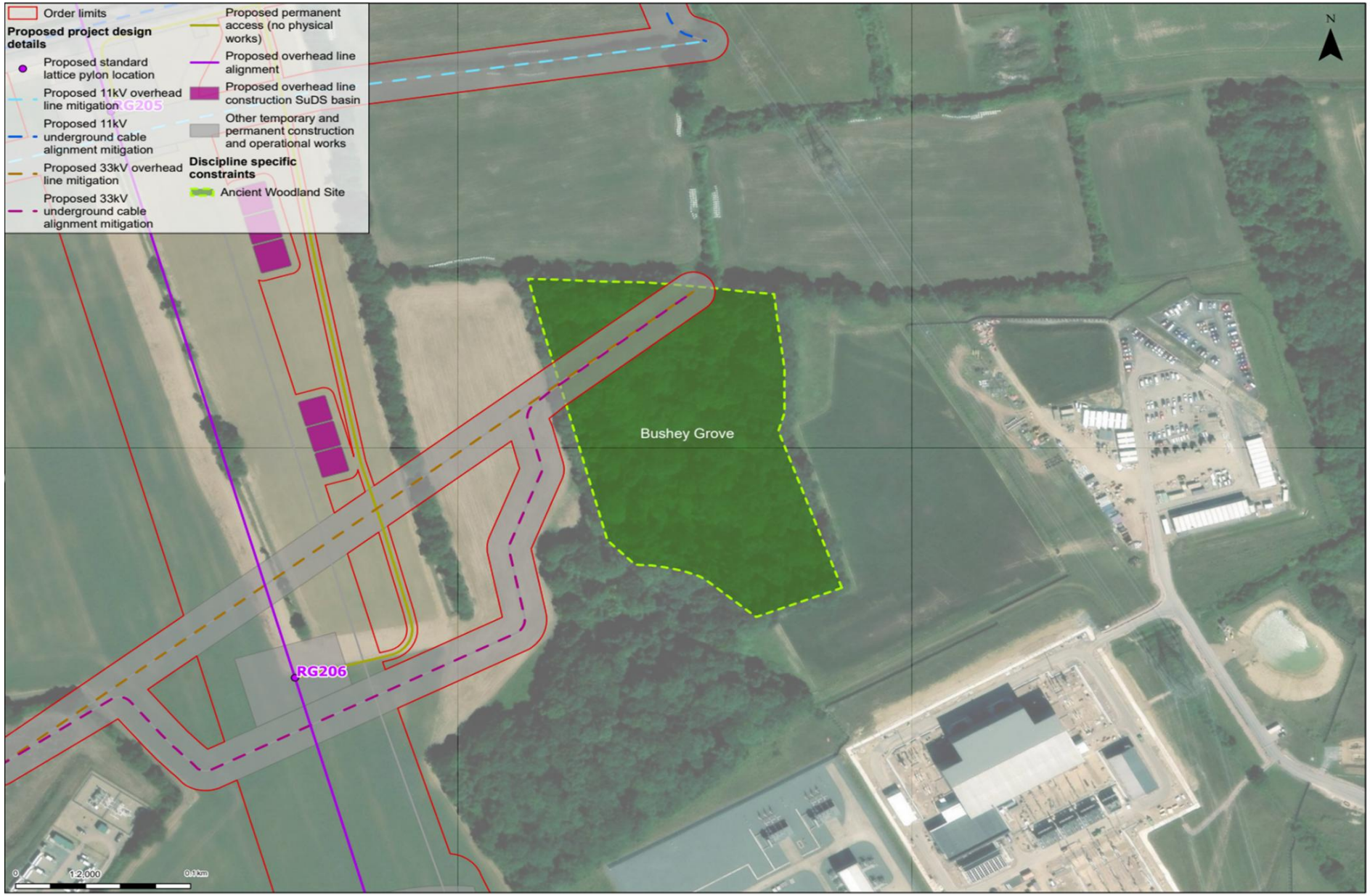


Figure B.C.14 Horkesley Plantation (Section D)

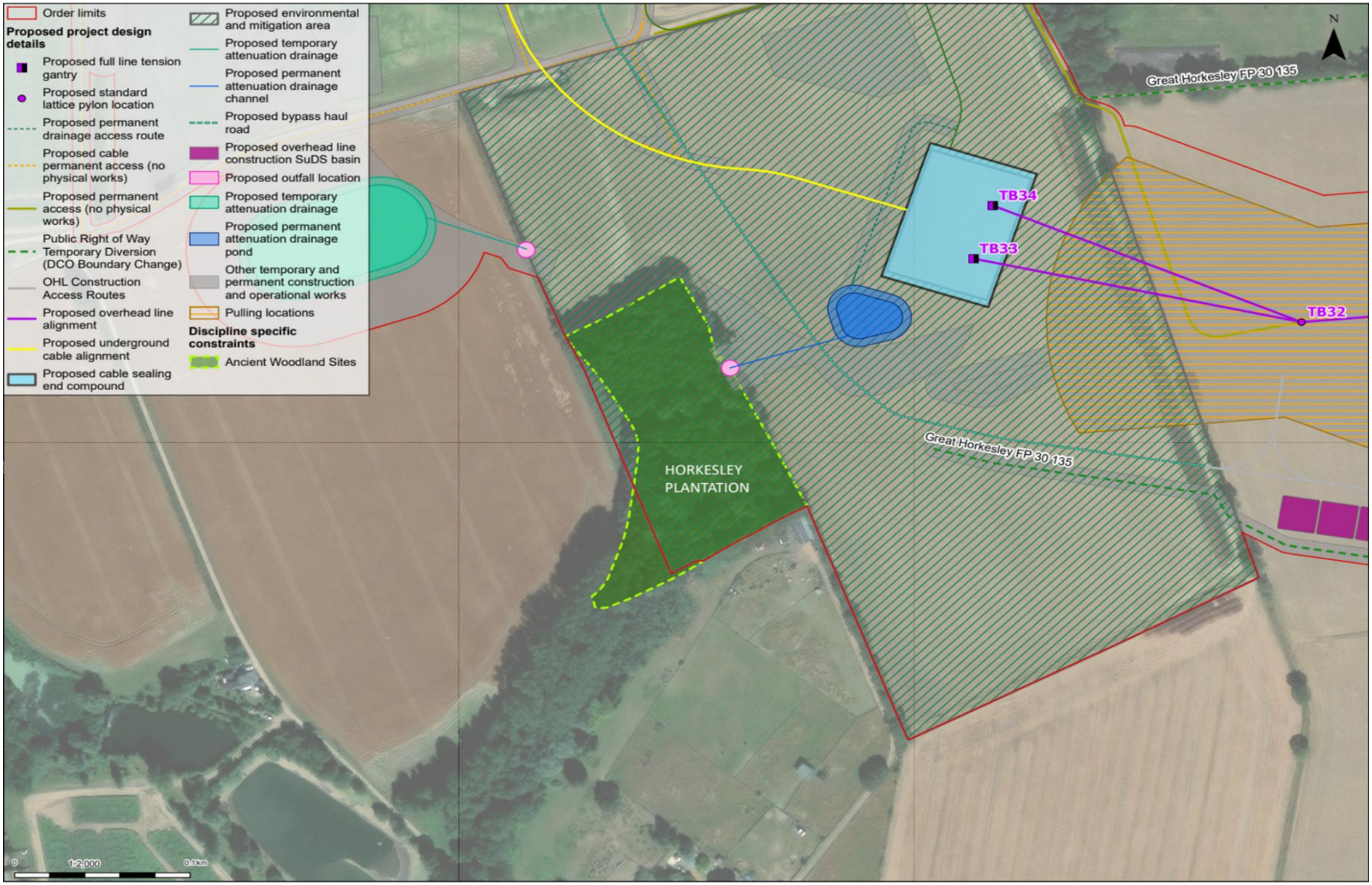


Figure B.C.15 Edney Woods (part of Little / Great Edney Woods) (Section F)

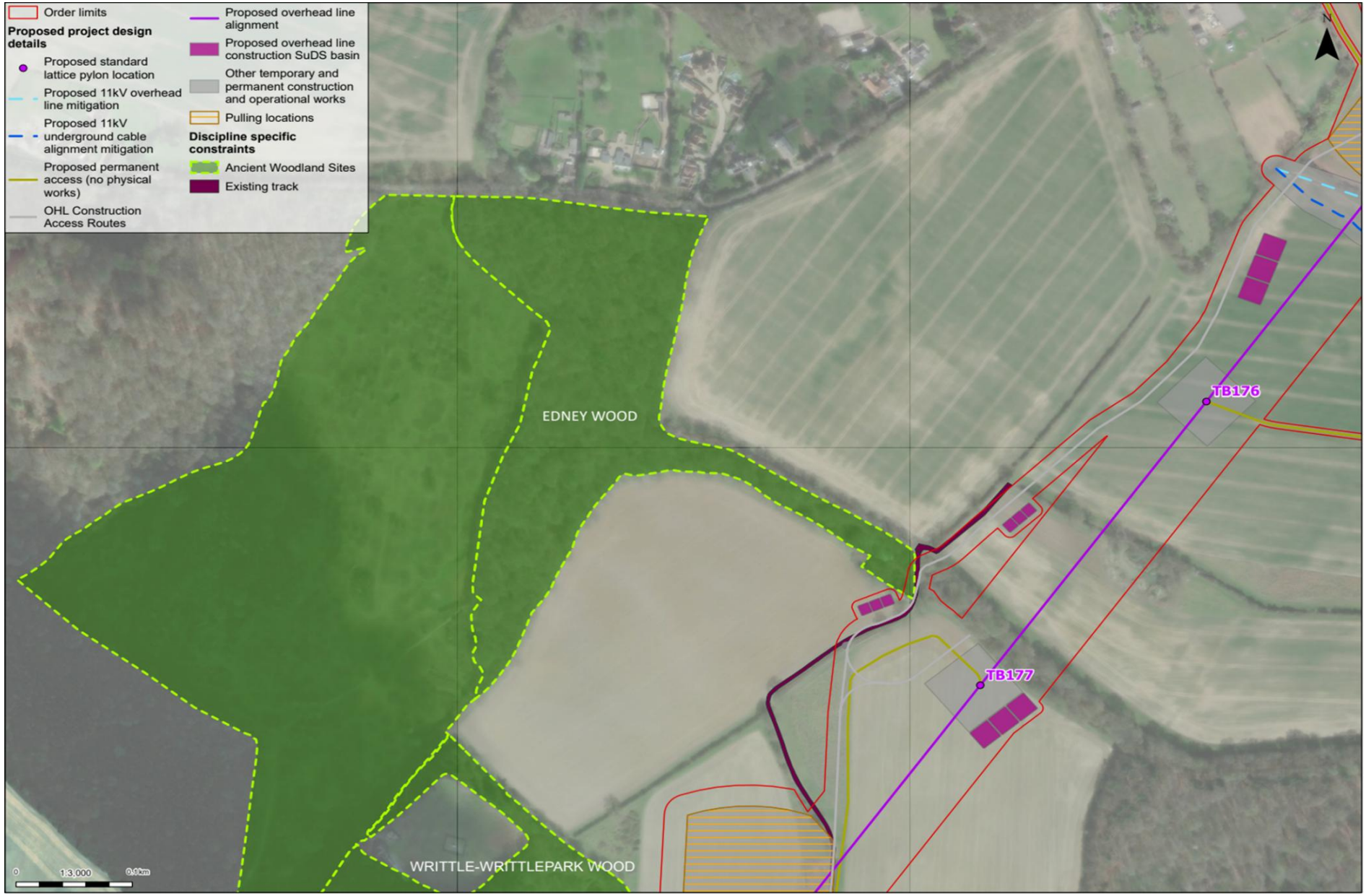


Figure B.C.16 North-east of Bladen's Wood (Section G)



Figure B.C.17 Middle Wood (Offton) (Section B)



Figure B.C.18 Wenham Grove (Section C)



Figure B.C.19 North-west of Great Horkesley (Section D)



Annex D.
Veteran Features Within the Study Area

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Annex D
Veteran Features Within the Study Area

Table D.1 Veteran features within the Study Area

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~7~~5.1 for Details)
T7	English oak	21 m	Tree within Order Limits	Excavations, Overhead Lines, Temporary Construction	Minimise
T10	English oak	21 m	Tree within Order Limits	Excavations, Overhead Lines, Temporary Construction	Minimise
T11	English oak	18.75 m	Tree within Order Limits	Excavations, Overhead Lines, Temporary Construction	Avoid
T12	English oak	27 m	~~Buffer Zone~~RPA within Order Limits	Temporary Construction	Avoid
T13	Holly	10.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T17	English oak	24 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T20	English oak	21 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T33	English oak	18.45 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~75~~.1 for Details)
T53	English oak	19.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T57	English oak	22.5 m	Tree within Order Limits	Excavations, Temporary Construction	Minimise
T61	English oak	15.75 m	Tree within Order Limits	Overhead Lines, Temporary Construction, Excavations	Minimise
T62	English oak	16.5 m	Tree within Order Limits	Overhead Lines, Temporary Construction, Excavations	Minimise
T64	English oak	27.9 m	Tree within Order Limits	Temporary Construction	Minimise
T65	English oak	33 m	Tree within Order Limits	Temporary Construction, Excavations	Minimise
T67	English oak	37.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction, Excavations	Minimise
T68	English oak	33 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction, Excavations	Minimise
T70	English oak	18 m	Tree within Order Limits	Overhead Lines	Minimise
T71	English oak	37.5 m	Tree within Order Limits	Temporary Construction, Excavations	Minimise
T72	English oak	28.5 m	Tree within Order Limits	Temporary Construction, Excavations	Minimise
T73	English oak	24.75 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	Minimise
T82	English oak	21.75 m	Tree within Order Limits	Temporary Construction, Excavations	Minimise

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~5.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~7~~5.1 for Details)
T84	English oak	29.85 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T85	Common ash	14.25 m	Tree within Order Limits	Temporary Construction, Excavations	Minimise
T91	English oak	23.4 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction, Overhead Lines	Minimise
T106	English oak	24.75 m	Tree within Order Limits	Temporary Construction	Avoid
T107	English oak	18 m	Tree within Order Limits	Overhead Lines. Temporary Construction	Minimise
T108	English oak	27 m	Tree within Order Limits	Temporary Construction, Excavations	Avoid
T182	English oak	13.2 m	Tree within Order Limits	Overhead Lines, Temporary Construction	Avoid
T195	Field maple	15 m	Tree within Order Limits	Overhead Lines, Temporary Construction	Minimise
T210	Alder	17.85 m	Tree within Order Limits	Overhead Lines, Temporary Construction	Minimise
T211	Alder	22.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Minimise
T231	Oak sp.	19.8 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T233	Oak sp.	12 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T236	English oak	29.25 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	Avoid

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~7~~5.1 for Details)
T241	English oak	14.25 m	Tree within Order Limits	Overhead Lines, Excavations, Temporary Construction	Avoid
T247	Ash	18 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	Minimise
T278	English oak	32.4 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction, Excavations	Avoid
T279	English oak	20.55 m	Tree within Order Limits	Overhead Lines, Temporary Construction	Avoid
T286	English oak	16.5 m	Tree within Order Limits	Overhead Lines	Minimise
T288	English oak	16.5 m	Tree within Order Limits	Overhead Lines	Avoid
T296	English oak	12 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	~~Compensate~~ Minimise
T318	English oak	12 m	Tree within Order Limits	Overhead Lines	Avoid
T319	English oak	19.5 m	RPA~~Buffer Zone~~ within Order Limits	Overhead Lines	Minimise
T320	English oak	14.25 m	Tree within Order Limits	Temporary Construction	Avoid
T324	English oak	10.5 m	Tree within Order Limits	Overhead Lines	Avoid
T328	English oak	13.2 m	Tree within Order Limits	Overhead Lines	~~Compensate~~Minimise
T329	English oak	6.9 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	~~Compensate~~Minimise

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~5.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~7~~5.1 for Details)
T340	Wild black poplar	23.55 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T375	English oak	32.25 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T378	Ash	21 m	Tree within Order Limits	Overhead Lines	Avoid
T390	English oak	16.5 m	Tree within Order Limits	Temporary Construction	Minimise
T405	White willow	19.2 m	Tree within Order Limits	Temporary Construction	Avoid
T408	White willow	24.75 m	Tree within Order Limits	Temporary Construction	Avoid
T410	White willow	19.5 m	Tree within Order Limits	Temporary Construction	Avoid
T411	White willow	27 m	Tree within Order Limits	Excavations	Minimise
T431	English elm	20.25 m	Tree within Order Limits	Excavations	Minimise
T432	English elm	18 m	Tree within Order Limits	Excavations	Minimise
T434	English elm	25.95 m	Tree within Order Limits	Excavations	Minimise
T439	English elm	24 m	Tree within Order Limits	Excavations	Avoid
T440	English elm	24 m	Tree within Order Limits	Excavations	Avoid
T458	English oak	23.25 m	Tree within Order Limits	Temporary Works	Minimise
T467	Ash	15 m	Tree within Order Limits	Temporary Works	Avoid
T472	English oak	23.25 m	Tree within Order Limits	Temporary Works	Minimise

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~5.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~7~~5.1 for Details)
T473	Field maple	15.3 m	Tree within Order Limits	Temporary Works	Minimise
T477	Crack willow	34.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Works	Avoid
T482	English oak	23.25 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Works	Avoid
T483	English oak	22.65 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T489	English oak	16.95 m	Tree within Order Limits	Temporary Construction	Avoid
T490	English oak	24.3 m	Tree within Order Limits	Temporary Construction, Overhead Lines	Avoid
T492	Ash	24.9 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T514	English oak	17.25 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	Avoid
T520	Ash	30 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	Avoid
T522	Ash	27 m	Tree within Order Limits	Excavations	Avoid
T525	English oak	21.6 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	Minimise
T527	Oak sp.	20.7 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction, Excavation	Avoid

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~5~~7.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~7~~5.1 for Details)
T549	English oak	21.75 m	RPA~~Buffer Zone~~ within 5 m of Order Limits	Temporary Construction	Avoid
T550	English oak	13.5 m	RPA~~Buffer Zone~~ within 5 m of Order Limits	Temporary Construction	Avoid
T552	English oak	21 m	Tree within Order Limits	Temporary Construction, Excavations	Avoid
T563	English oak	25.5 m	RPA~~Buffer Zone~~ within Order Limits	Excavations	Minimise
T565	English oak	14.85 m	Tree within Order Limits	Temporary Construction	Avoid
T566	English oak	24 m	RPA~~Buffer Zone~~ within 5 m of Order Limits	Temporary Construction, Excavations	Compensate
T632	English oak	21.75 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction, Excavation	Avoid
T634	English oak	22.65 m	Tree Within Order Limits	Temporary Construction, Overhead Lines	Avoid
T646	English oak	27.45 m	RPA~~Buffer Zone~~ within Order Limits	Excavation	Minimise
T662	English oak	24.3 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction, Excavation	Avoid
T718	Ash	27 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T727	Crack willow	36 m	Tree within Order Limits	Temporary Construction, Excavation, Overhead Lines	Avoid

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~75~~.1 for Details)
T759	English oak	18 m	Tree within Order Limits	Temporary Construction, Excavation, Overhead Lines	Minimise
T760	English oak	28.5 m	Tree within Order Limits	Temporary Construction, Excavation, Overhead Lines	Avoid
T775	Oak sp.	19.5 m	Tree within Order Limits	Temporary Construction, Excavation, Overhead Lines	Minimise
T782	English oak	23.25 m	RPA~~Buffer Zone~~ within Order Limits	Overhead Lines, Temporary Construction, Excavation	Minimise
T785	English oak	22.5 m	Tree within Order Limits	Temporary Construction, Excavation	Minimise
T797	Ash	22.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Minimise
T805	Oak sp.	18 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T820	English oak	21.6 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T908	English oak	18.3 m	Tree within Order Limits	Temporary Construction, Excavation, Overhead Lines	Avoid
T909	English oak	28.8 m	RPA~~Buffer Zone~~ within 5 m of Order Limits	Temporary Construction, Excavation	Minimise
T966	Ash	19.35 m	Tree within Order Limits	Overhead Lines, Temporary Construction,	Avoid
T970	Hornbe~~-~~am	13.5 m	Tree within Order Limits	Overhead Lines	Minimise

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~7~~5.1 for Details)
T1045	English oak	26.25 m	Tree within Order Limits	Temporary Construction, Excavation, Overhead Lines	Minimise
T1064	English oak	24.75 m	Tree within Order Limits	Temporary Construction, Excavation	Minimise
T1085	Ash	13.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T1087	English oak	14.85 m	Tree within Order Limits	Overhead Lines, Temporary Construction, Excavation	Avoid
T1113	English oak	18 m	Tree within Order Limits	Temporary Construction	Minimise
T1131	English oak	14.4 m	Tree within Order Limits	Overhead Lines, Temporary Construction	Avoid
T1178	Field maple	20.25 m	Tree within Order Limits	Temporary Construction	Minimise
T1179	English oak	20.55 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	MInimise
T1182	Ash	37.5 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Avoid
T1184	English oak	17.25 m	Tree within Order Limits	Overhead Lines, Temporary Construction	Minimise
T1187	English oak	17.1 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Minimise
T1188	English oak	20.25 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Minimise

Feature ID	Species	~~Buffer Zone~~Root Protection Area (RPA)	Location in Relation to Project	Project Activity (Refer to Table ~~57~~5.2 for Details of Impact)	Assumed Mitigation (Refer to Table ~~75~~5.1 for Details)
T1189	English oak	20.4 m	RPA~~Buffer Zone~~ within Order Limits	Temporary Construction	Minimise
VG163	Hunting~~-~~don elm	17.4 m	Group within Order Limits	Overhead Lines, Temporary Construction, Excavation	Minimise
VG213	Plum sp.	8.4 m	RPA~~Buffer zone~~ within Order Limits	Temporary Construction	Avoid
VG404	Alder	24.75 m	Group Within Order Limits	Temporary Construction	Minimise
VG406	English oak	0.00 m	Group Within Order Limits	Overhead Lines, Temporary Construction	Minimise

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