AENC-ARC-ENV-REP-0005

Norwich to Tilbury

Volume 7: Other Documents

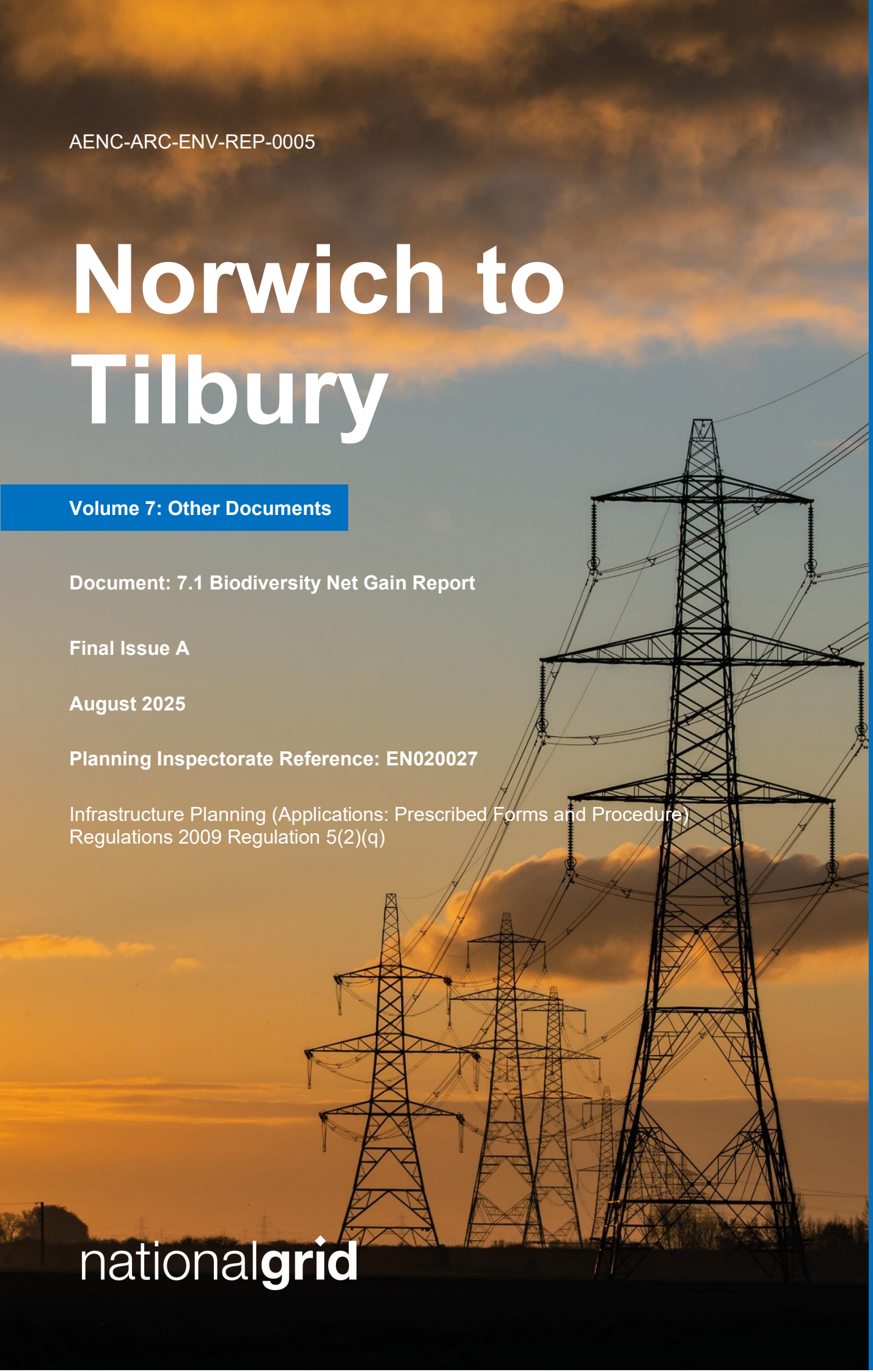
Document: 7.1 Biodiversity Net Gain Report

Final Issue A

August 2025

Planning Inspectorate Reference: EN020027

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



nationalgrid

Contents

Executive Summary 1

1. Introduction 3

1.1 Project Overview 3
1.2 Project Background 4
1.3 Brief and Objectives 4

2. Relevant Legislation and Policy 6

2.2 Key Legislation and Policy 6
2.3 Nationally Significant Infrastructure Projects 14
2.4 National Grid Commitments 14

3. Methods 18

3.1 BNG Approach and Methodology 18
3.2 Overview of Statutory Biodiversity Metric 18
3.3 Baseline 19
3.4 Post Intervention: Impacts 24
3.5 Post-Intervention: Habitat Creation and Enhancement On-Site 27
3.6 Off-Site 32
3.7 Notes and Limitations 32

4. Results 33

4.1 Biodiversity Net Gain: Baseline Results 33
4.2 Post-Development Biodiversity Net Gain 40

5. Proposed On-site Habitat Creation and Enhancement 49

6. Proposed Off-site Habitat Creation and Enhancement 55

7. Conclusion 57

Table ES1 Summary of Biodiversity Units for the Project 2
Table 2.1 Summary of key legislation and policy 6
Table 3.1 Survey timings 22
Table 3.2 Types of impacts and associated entry into the statutory metric 24
Table 3.3 Types of impact and associated entry into the statutory metric 25
Table 3.4 Habitat creation / enhancement approach 29
Table 4.1 Area Habitats and Biodiversity Units within the baseline 33
Table 4.2 Hedgerow lengths and Biodiversity Units within the baseline 38
Table 4.3 Watercourse length and Biodiversity Units within the baseline 39

Table 4.4	Post-development Area Habitats	40
Table 4.5	Post-development hedgerows	41
Table 4.6	Post-development watercourses	44
Table 4.7	Very high distinctiveness trading summary	44
Table 4.8	High distinctiveness trading summary	45
Table 4.9	Medium distinctiveness trading summary	45
Table 4.10	Low distinctiveness trading summary	47
Table 5.1	Landscape proposals for Environmental Areas	51
Table 7.1	Summary of Biodiversity Units for the Project	57
Table B1	Conversion of APEM Phase 1 habitat type to metric habitat type	B1
Table B2	Conversion of OS Master Map data to metric habitat type	B2
Table C1	BNG Metric Rule	C1
Table D1	Biodiversity Metric Principles	D1
Table E1	BNG Good Practice Principles	E1

Abbreviations 62
Glossary 65
Bibliography 69

Appendix A - Figures
Appendix B - Habitat Conversion Tables
Appendix C - BNG Metric Rule
Appendix D - Biodiversity Metric Principles
Appendix E - BNG Good Practice Principles

Executive Summary

This Biodiversity Net Gain (BNG) Report has been prepared in support of the Norwich to Tilbury project (the 'Project'), a Nationally Significant Infrastructure Project (NSIP) to support the application for development consent by National Grid.

The Environment Act 2021 introduces a mandatory requirement for 10% BNG, for new developments consented under the Town and Country Planning Act 1990 (TCPA) to ensure that they enhance biodiversity. Although not a statutory requirement for DCO projects submitted to the Planning Inspectorate prior to May 2026, National Grid has committed to deliver 10% BNG with wider environmental and societal benefits on all construction projects requiring formal planning or consent, including Norwich to Tilbury. The DCO application is anticipated be submitted in August 2025 and therefore prior to the BNG mandatory requirement for NSIP applications.

As there is no guidance for BNG on NSIPs, guidance devised for TCPA applications has been applied and modified as relevant, as agreed with Natural England. This guidance includes Statutory Biodiversity Metric: User Guide (Department for Environment, Food and Rural Affairs (Defra), 2024a) and BNG good practice principles which are described in Appendix E (Chartered Institute of Ecology and Environmental Management (CIEEM), Institute of Environmental Management and Assessment (IEMA) and Construction Industry Research and Information Association (CIRIA), 2019).

This report presents the initial (application stage) BNG calculation undertaken for the Project using the Statutory Biodiversity Metric (as of June 2025), to demonstrate how BNG could be achieved on the Project. The calculations are based on the Project described in Environmental Statement (ES) Chapter 4: Project Description (document reference 6.4). However, the location of many construction elements is not completely fixed, with limited flexibility incorporated to allow for movement anywhere within the relevant Limits of Deviation (LoD). The use of the land within the LoD could mean a change in the metric calculation. It is therefore considered that the BNG calculator and associated reporting are iterative and would be updated throughout the detailed design phases of the Project should development consent be granted. The same methodology and version of the Statutory Biodiversity Metric will be used for any subsequent updates as presented within this report.

As a result of the size of the Order Limits and following a widely used approach on linear DCO schemes, a 'maximum construction area' has been determined. The use of the 'maximum construction area' includes all works areas but excludes land within the Order Limits that is not directly affected based on the design presented in the DCO application. The use of a 'maximum construction area' for the 'on-site baseline' is considered a proportionate approach for projects of this scale.

All area based habitats within the 'maximum construction area' are included in the 'on-site' baseline. Directly impacted hedgerows / linear features and watercourses, are included in the 'on-site' baseline for this BNG assessment. The 'off-site' tab in the metric tool has been used for sections of hedgerow and line of trees that are outside the 'maximum construction area' and within the Order Limits, hereafter referred to as the 'Order Limit Hedgerows'. The Order Limit Hedgerows are to be enhanced to meet the minimum net gain requirement (+10 %) and for this reason they have also been included in the baseline.

Based on the current calculation there are 6389.56 Area Habitat Biodiversity Units (BUs), consisting of cropland (3824.16), grassland (1857.91), heathland and shrub (108.91), lakes (13.24), sparsely vegetated land (42.95), urban (37.76), wetland (2.63) and woodland (502) habitats within the maximum construction area baseline. There are also 699.49 Hedgerow BUs and 118.74 Watercourse BUs within the maximum construction area baseline. There are 309.74 Hedgerow BUs within the Order Limits Hedgerows at baseline, therefore the hedgerows provide 1009.23 Hedgerow BUs at baseline (699.49 + 309.74 = 1009.23).

Accounting for permanent and temporary habitat removal, habitat management, all proposed on-site planting and enhancement, the Project is predicted to result in an on-site -8.25 % net loss of -526.99 Area Habitat BU. The deficit in Area Habitat BU will be delivered off-site to achieve the targeted +10 % BNG for the Project.

The Project can expect to achieve a +10.00 % Net Gain of +69.96 Hedgerow BU, and +10.04 % net gain of +11.93 Watercourse BU following re-instatement, enhancement and creation interventions outlined in Section 3.5.

Table ES 1summarises the overall biodiversity unit change because of the Project and details the additional units required off-site to achieve the targeted +10% biodiversity net gain.

Table ES 1 Summary of Biodiversity Units for the Project

Habitat Type	Baseline	Post-Development BU	Net Unit Change	Total Net % Change	Offsite BU Deficit Required to achieve 10% BNG
Area Habitat Units	6389.56	5862.56	-526.99	-8.25%	1165.95
Hedgerow Units	1009.23	1079.22	+69.97	**+10.00%**	0.00
Watercourse Units	118.74	131.40	+12.60	**+10.65**	0.00

National Grid will continue to work with contractors to further reduce impact and seek ways to achieve the targeted +10% BNG target within the Project and will continue to liaise with third party stakeholders to secure any off-site measures required to deliver the BU deficit.

1. Introduction

1.1 Project Overview

1.1.1 This Biodiversity Net Gain (BNG) Report has been prepared in support of the Norwich to Tilbury project ('the Project'), a Nationally Significant Infrastructure Project (NSIP). 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.

1.1.2 As a summary, the Project comprises:

- A new 400 kilovolt (kV) electricity transmission connection of approximately 180 km overall length from Norwich Main Substation to Tilbury Substation via Bramford Substation, a new EACN Substation and a new Tilbury North Substation, including:
  - Approximately 159 km of new overhead line supported on approximately 509 pylons, either standard steel lattice pylons (approximately 50 m in height) or low height steel lattice pylons (approximately 40 m in height) and some of which would be gantries (typically up to 15 m in height) within proposed Cable Sealing End (CSE) compounds or existing or proposed substations
  - Approximately 21 km of 400 kV underground cabling, some of which would be located through the Dedham Vale National Landscape (an Area of Outstanding Natural Beauty (AONB[1])
- Up to seven new CSE compounds (with permanent access) to connect the overhead lines to the underground cables
- Modification works to connect into the existing Norwich Main Substation and a substation extension at the existing Bramford Substation
- A new 400 kV substation on the Tendring Peninsula, referred to as the EACN Substation (with a new permanent access). This is proposed to be an Air Insulated Switchgear (AIS) substation
- A new 400 kV substation to the south of Orsett Golf Course in Essex, referred to as the Tilbury North Substation (with a new permanent access). This is proposed to be a Gas Insulated Switchgear (GIS) substation
- Modifications to the existing National Grid Electricity Transmission overhead lines to facilitate the connection of the existing network into the new Tilbury North Substation to provide connection to the Tilbury Substation
- Ancillary and/or temporary works associated with the construction of the Project.

[1] National Landscape is the rebranded name of an Area of Outstanding Natural Beauty (AONB) from 22 November 2023

1.1.3 In addition, third party utilities diversions and/or modifications would be required to facilitate the construction of the Project. There would also be land required for environmental mitigation and BNG.

1.1.4 As well as the permanent infrastructure, land would also be required temporarily for construction activities including, for example, working areas for construction equipment and machinery, site offices, welfare, storage and temporary construction access.

1.1.5 A full description of the Project is detailed in ES Chapter 4: Project Description (document reference 6.4).

1.2 Project Background

1.2.1 The ecological background and scope of the BNG surveys is set out in ES Chapter 8: Ecology and Biodiversity (document reference 6.8). The methods applied in this report support the data collection for the ES and have been discussed and agreed in advance with Natural England.

1.2.2 In England, BNG is mandatory under Schedule 7A of the TCPA (as inserted by Schedule 14 of the Environment Act 2021). BNG is an approach to development ensuring that habitats for wildlife are left in a measurably better state than they were before the development. The Planning Act 2008 (as amended) ('the Planning Act') creates a separate consenting route for major infrastructure projects in the fields of energy, transport, water, wastewater, and waste – termed NSIPs. Currently BNG for a NSIP is not a mandatory requirement and is not expected to become mandatory until May 2026.

1.2.3 In the absence of a BNG metric specifically designed for NSIPs and the associated guidelines, a bespoke BNG assessment methodology has been developed for the Project. Details of the proposed BNG assessment methodology are provided within this report. In the absence of BNG guidelines for NSIPs, Natural England has been consulted on the proposed BNG assessment approach and in the absence of BNG guidelines for NSIP applications, have no objection to the approach (Natural England, 2024).

1.3 Brief and Objectives

1.3.1 This report presents the BNG metric calculation undertaken for the Project using the Statutory Biodiversity Metric currently developed for Town and Country Planning applications. It describes the methodology and limitations; presents results of the BNG calculation for the Project as currently designed and based on the information available; and provides recommendations for the Project to achieve BNG. This BNG assessment will be updated when detailed design and construction detail is available and would be finalised after construction is complete based on as-built information.

1.3.2 This BNG assessment considers the Project as a whole, with a target of +10 % net gain across the whole Project. Given the scale of the Project, a holistic approach has been adopted. Biodiversity is not physically bound by each Local Planning Authority boundary; however, the aim is to deliver a biodiversity legacy in each of the three counties the Project crosses (Norfolk, Suffolk and Essex).

1.3.3 The objective of this report is to:

- Identify the on-site baseline habitat value in Biodiversity Units (BUs), including area based habitat units, hedgerow units and watercourse units
- Quantify the BU outcomes and gain/loss percentage for the Project design, to demonstrate that the development can achieve a sufficient net gain in each unit type to meet the biodiversity metric's trading rules (where possible)
- Quantify the on and/or off-site habitat creation and enhancement that may be required for the Project to achieve a minimum +10 % biodiversity net gain
- Provide an outline of the next steps to be undertaken for the delivery of +10 % biodiversity net gain.

1.3.4 The BNG calculator and associated reporting is iterative and will be updated throughout the planning and design phases of the Project should development consent be granted.

1.3.5 The following technical reports, produced to support ES Chapter 8: Ecology and Biodiversity (document reference 6.8) should be read in conjunction with this report and serve to provide more in-depth assessment of habitats present within the Order Limits. These documents will be available to review as part of the DCO submission:

- ES Appendix 8.1 - Habitat Report (document reference 6.8.A1)
- ES Appendix 8.2 - National Vegetation Classification Report (document reference 6.8.A2)
- ES Appendix 8.3 - Hedgerows Regulations Report (document reference 6.8.A3)
- ES Appendix 8.16 - Designated Sites (document reference 6.8.A16).

2. Relevant Legislation and Policy

2.1.1 The aim of BNG requirements is to make sure that development has a measurably positive impact ('net gain') on biodiversity, compared to what was there before development (Defra, 2024a). This section sets out the government policy, legislation and guidance that applies to BNG.

2.2 Key Legislation and Policy

2.2.1 The following key legislation and policy (Table 2.1) has been considered within this report.

Table 2.1 Summary of key legislation and policy

Legislation/ Policy/ Stakeholder	Details
25 Year Environment Plan (HM Government, 2018)	The government's 25 Year Environment Plan (2018) sets out government action to help the natural world regain and retain good health. It aims to deliver cleaner air and water in cities and rural landscapes, protect threatened species and provide richer wildlife habitats.
Environmental Audit Committee Report (2021)	Parliament's Environmental Audit Committee Report (June 2021) sets out that biodiversity and well-functioning ecosystems are critical for human existence, economic prosperity, and a good quality of life. It notes that biodiversity is declining at a faster rate than at any time in human history The UK is one of the most nature-depleted countries in the world. The State of Nature 2023 report has shown that since the 1970s 41 % of all UK species surveyed have declined, while 15 % of species within the UK are threatened with extinction. The abundance of the species of greatest conservation concern (the UK's priority species) have declined by 60 %.
Environment Act 2021	The Environment Act 2021 introduces a mandatory requirement for 10 % biodiversity net gain for new developments, to ensure that they enhance biodiversity and create new green spaces for local communities to enjoy. Schedule 7A specifies that a minimum of 10 % BNG must be delivered. The legislation introduced the Statutory Biodiversity Metric which is used to measure the biodiversity value of habitats for the purposes of BNG. Whilst BNG is a legal obligation for TCPA in England, the provisions in Schedule 15 of the Environment Act 2021 to make at least 10 % BNG a legal obligation for NSIPs are not

Legislation/ Policy/ Stakeholder	Details
	yet in force. These are anticipated to be introduced for NSIPs in May 2026.
National Planning Policy Framework (Ministry of Housing, Communities and Local Government, 2024)	The National Planning Policy Framework (Dec 2024) (Ministry of Housing, Communities and Local Government) refers to net gains for biodiversity, including: Section 15 Conserving and enhancing the natural environment, paragraph 187d) states '*Planning policies and decisions should contribute to and enhance the natural and local environment by minimising impacts on and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures and incorporating features which support priority or threatened species such as swifts, bats and hedgehogs'*. Paragraph 192b) states that '*To protect and enhance biodiversity and geodiversity, plans should: promote the conservation, restoration and enhancement of priority habitats, ecological networks and the protection and recovery of priority species; and identify and pursue opportunities for securing measurable net gains for biodiversity.'* Paragraph 193d): '*When determining planning applications, local planning authorities should apply the following principles: development whose primary objective is to conserve or enhance biodiversity should be supported; while opportunities to improve biodiversity in and around developments should be integrated as part of their design, especially where this can secure measurable net gains for biodiversity or enhance public access to nature where this is appropriate.'*
Town and Country Planning Act 1990 (England)	The Biodiversity Gain Hierarchy and its effect for the purpose of the statutory framework for biodiversity net gain is set out in articles 37A and 37D of the Town and Country Planning (Development Management Procedure) (England) Order 2015 (as inserted by Schedule 14 of the Environment Act 2021). Whilst the Project is not being consented under the Town and Country Planning Act regime, the TCPA provisions for BNG provide a useful guide for how to consider BNG. The Project has sought to follow the spirit of the TCPA approach.
Overarching National Policy Statement (NPS) for Energy (EN-1) (Department for Energy Security and Net Zero, 2024a)	NPS EN-1 includes Section 4.6: Environmental and Biodiversity Net Gain, which states in paragraph 4.6.1: '*Environmental Net Gain* [ENG] *is an approach to development that aims to leave the natural environment in a measurably better state than beforehand. Projects should*

Legislation/ Policy/ Stakeholder	Details
	therefore not only avoid, mitigate and compensate harms, following the mitigation hierarchy, but also consider whether there are opportunities for enhancements.' Paragraph 4.6.1 of EN-1 confirms: *'Although achieving biodiversity net gain is not currently an obligation on applicants, Schedule 15 of the Environment Act 2021 contains provisions which, when commenced, mean the Secretary of State may not grant an application fora Development Consent Order unless satisfied that a biodiversity gain objective is met in relation to the onshore development in England to which the application relates.*' Paragraph 4.6.13 goes on to state: *'In addition to delivering biodiversity net gain, developments may also deliver wider environmental gains relevant to the local area, and to national policy priorities, such as reductions in* [greenhouse gas] *emissions, reduced flood risk, improvements to air or water quality, … increased access to natural greenspace or the enhancement, expansion or provision of trees and woodlands. The scope of potential gains will be dependent on the type, scale, and location of specific projects. Applicants should look for a holistic approach to delivering wider environmental gains and benefits through the use of nature-based solutions and Green Infrastructure.'* Paragraph 4.6.15 states: '*Applications for development consent should be accompanied by a statement demonstrating how opportunities for delivering wider environmental net gains have been considered, and where appropriate, incorporated into proposals as part of good design (including any relevant operational aspects) of the project*.'
National Policy Statement for Electricity Networks Infrastructure (EN-5) (Department for Energy Security and Net Zero, 2024b)	• NPS EN-5 includes Section 2.5: Environmental and Biodiversity Net Gain, which states in paragraph 2.5.1 that when planning and evaluating the proposed development's contribution to ENG and BNG: • *'it will be important - for both the Applicant and the Secretary of State - to supplement the generic guidance set out in EN-1 with recognition that the linear nature of electricity networks infrastructure allows excellent opportunities to:* • *reconnect important habitats via green corridors, biodiversity stepping zones, and re-establishment of appropriate hedgerows; and/or* • *connect people to the environment, for instance via footpaths and cycleways constructed in tandem with biodiversity enhancements'.*

Legislation/ Policy/ Stakeholder	Details
National Grid	In the absence of legal obligation or NSIP-specific guidance, National Grid's approach to BNG for NSIP projects is to: • Meet the policy requirements within the current NPS; • Deliver our corporate commitments to deliver at least 10% BNG with wider benefits; • Maximise the benefits and value from consumer-funded BNG; and • Use the Statutory Biodiversity Metric. For this Project, National Grid has committed to delivering 10% BNG with wider environmental and societal benefits (on a voluntary basis).
Local Planning Policy	
South Norfolk	South Norfolk Council adopted the Greater Norwich Local Plan (Norwich County City Council, Broadland District Council, South Norfolk Council, 2024) on 25 March 2024 as part of the Adopted South Norfolk Local Plan. Policy 3 - Environmental Protection and Enhancement states in paragraph 190 that: '*Reflecting the Government's 25 Year Environment Plan, the* [National Planning Policy Framework] *places great weight on protecting and enhancing Greater Norwich's rich natural environment. It seeks to ensure that development not only avoids harm to natural environmental assets, but also encourages a local plan policy approach which actively protects, promotes and enhances biodiversity, so that development results in biodiversity net gain*.' Paragraphs 193 and 194 state: '*Tools such as the Defra biodiversity metric should be used to demonstrate the expected biodiversity net gain that will be achieved through development. A holistic approach to biodiversity gain should provide a range of biodiversity improvements.* *Securing measurable gains for biodiversity is a national policy requirement and this is reflected in this policy. Any such gain needs to be significant in order to be credible which is why the policy requires a gain of at least 10 % greater than the existing situation.'*
Babergh and Mid Suffolk	Part 1 of the Joint Local Plan (Babergh District Council and Mid Suffolk District Council, 2023) was adopted by Mid Suffolk District Council on 20 November 2023 and by Babergh District Council on 21 November 2023. Strategic Policy SP09 – Enhancement and Management of the Environment states:

Legislation/ Policy/ Stakeholder	Details
	'*The Councils will require development to support and contribute to the conservation, enhancement and management of the natural and local environment and networks of green infrastructure, including landscape, biodiversity, geodiversity and the historic environment and historic landscapes….* *Through biodiversity net gain, all development will be required to protect and enhance biodiversity ensuring the measures are resilient to climate change.'* Local policy LP16 - Biodiversity and Geodiversity states: *'England Biodiversity Strategy 2020, Biodiversity Net Gain initiative and the latest published version of the Natural England Biodiversity Metric are designed to assess changes to biodiversity value as a result of development or land changes and can be an essential method to ensure net gains are achieved.* *In order to meet the biodiversity net gain initiative, development proposals will be required to meet a minimum of 10 % increase or in line with Government requirements if greater.*'
North Essex Authorities (NEAs): Colchester, Braintree and Tendring	Braintree District Council, Colchester Borough Council and Tendring District Council have worked together to address strategic planning matters across their areas and have produced the North Essex Authorities' Shared Strategic Section 1 Plan (NEAs, 2021). Policy SP 8 - Development and Delivery of a New Garden Community in North Essex states: *'Secure a smart and sustainable approach that fosters climate resilience and a 21st century environment in the design and construction of the garden community to secure net gains in local biodiversity.'* No specific BNG target is given in this strategy document.
Colchester City Council	Colchester City Local Plan 2017-2033 (Colchester City Council, 2022) Section 2, paragraph 4.8 and Policy ENV1: Environment states: *'All development proposals must comply with current requirements and best practice for measurable biodiversity net gain and Nature Recovery Strategies and Networks. As a minimum, 10 % biodiversity net gain is required or as otherwise indicated in policy and legislation. This is in addition to the requirement to follow the mitigation hierarchy. Biodiversity net gain requirements must not undermine the existing range of protections, in planning policy and legislation, for irreplaceable habitats and protected sites. As part of the planning process a calculation in line with the latest Natural England Biodiversity Metric*

Legislation/ Policy/ Stakeholder	Details
	should be submitted and strict adherence to the mitigation hierarchy should be used to ensure harm is avoided in the first instance, that provision for a minimum 10 % measurable net gain in biodiversity is made onsite wherever possible and that offsite compensation with a long-term management plan is used as a last resort'
Braintree District Council	Braintree District Council Local Plan 2013-2033 (Braintree District Council, 2022) Section 2, Policy LPP 52 Layout and Design of Development states: '*Biodiversity net gain in line with the requirements of national policy through the provision of new priority habitat where appropriate is encouraged.'* Policy LPP 63 Natural Environment and Green Infrastructure states: '*Development proposals must take available measures to ensure the protection and enhancement of the natural environment, habitats, biodiversity and geodiversity of the District and to be acceptable, also taking climate change and water scarcity into account in their design'* No specific BNG target is given in this document.
Tendring District Council	Tendring District Council Local Plan 2013-2033 (Tendring District Council, 2022) Section 2 states: '*The Local Plan's strategic objective for Biodiversity is: To provide a network of interconnected multi-functional natural green and blue spaces which secures a net gain in biodiversity and geodiversity; promotes healthy lifestyles; and enhances the quality of the natural and built environment*.' Policy PPL 4 Biodiversity and Geodiversity states: '*Where new development would harm biodiversity or geodiversity, planning permission will only be granted in exceptional circumstances, where the benefits of the development demonstrably outweigh the harm caused and where adequate mitigation or, as a last resort, compensation measures are included, to ensure a net gain, in biodiversity.'* No specific BNG target is given in this document. A 10% biodiversity net gain is only referenced specifically in Policy SAMU2 Development At Hartley Gardens, Clacton which is has a mixed allocation (housing/employment).
Chelmsford City Council	Chelmsford Local Plan Our Planning Strategy 2013 to 2036 (Chelmsford City Council, 2020), Strategic Policy S4 Conserving and Enhancing The Natural Environment states: '*The Council will plan for a multifunctional network of green infrastructure which protects, enhances and, where*

Legislation/ Policy/ Stakeholder	Details
	possible, restores ecosystems, securing a net gain in biodiversity across the Council's area.' Policy DM16 – Ecology and Biodiversity states: '*All development proposals should:.. Deliver a net gain in biodiversity where possible, by creating, restoring and enhancing habitats, and enhancing them for the benefit of species.*' No specific BNG target is given in this document.
Basildon Council	Basildon District Local Plan (Basildon Council, 2007) Saved Policies has no specific policies which refer to biodiversity net gains. Policies BAS C1, BAS C2, BAS C5, BAS C7 and BAS C13 seek to retain and enhance particular ecology factors but are specific to designated sites and species habitats (woodland and riparian habitats).
Brentwood Borough Council	Brentwood Local Plan 2016-2033 (Brentwood Borough Council, 2022) Strategic Objective 4 states: '*Deliver Beautiful, Biodiverse, Clean and a Functional Natural Environment, where resources are carefully managed to avoid adverse impact on and to provide net gains for, the borough's natural environment and biodiversity; and where our natural heritage is protected, ecosystem services are restored, enhanced and integrated back into the built environment through multi-functional green and blue infrastructure and opportunities are pursued for securing measurable net gains for biodiversity*.' Policy NE01: Protecting and Enhancing The Natural Environment states: '*The Council will require development proposals to use natural resources prudently and protect and enhance the quality of the natural environment. All proposals should, wherever possible, incorporate measures to secure a net gain in biodiversity, protect and enhance the network of habitats, species and sites (both statutory and non-statutory) and avoid negative impacts on biodiversity and geodiversity. Compensatory measures will only be considered if it is not possible fully to mitigate any impacts*.' No specific BNG target is given in this document.

Legislation/ Policy/ Stakeholder	Details
Thurrock Council	Thurrock Local Development Framework Core Strategy and Policies for Management of Development (as amended) (Thurrock Council, 2015), Policy PMD7 – Biodiversity, Geological Conservation and Development states: '*The Council will seek to achieve net gains in biodiversity where such gains would be possible, with particular reference to the desirability of re-creating priority habitats and the recovery of priority species.'* No specific BNG target is given in this document.

2025 Revisions to National Policy Statements

2.2.2 In April 2025, the government launched a consultation on proposed changes to EN-1 and EN-5 that ended on 29 May 2025. The consultation covers updates to:

- Draft: Overarching National Policy Statement for Energy (EN-1) (DESNZ, 2025)
- Draft: National Policy Statement for Electricity Networks Infrastructure (EN-5) (DESNZ, 2025a)

2.2.3 Changes consulted upon in the draft 2025 updates to the energy infrastructure NPSs include alignment with Clean Power 2030 targets and endorsement of the Centralised Strategic Network Plan. The 2025 revisions have strengthened the process for delivering major new infrastructure, reinforcing the government's ambition to deliver clean power by 2030.

2.2.4 The transitional provisions on the status of the 2025 revisions say:

'While the review is undertaken, the current suite of energy NPS remain relevant government policy and EN-1 to EN05 have effect for the purposes of the Planning Act 2008. The Secretary of State has decided that for any application accepted for examination before amending the energy NPSs, the current suite of energy NPS, published in 2024, should have effect. The amended energy NPSs will therefore only have effect in relation to those applications for development consent accepted for examination after the publication of the final amended energy NPSs. However, any emerging draft energy NPSs (or those amended but not having effect) are potentially capable of being important and relevant considerations in the decision-making process. The extent to which they are relevant is a matter for the relevant Secretary of State to consider within the framework of the Planning Act 2008 and with regard to the specific circumstances of each development consent order application'.

2.2.5 At the point of submission of the Project, the NPSs designated in January 2024 were government policy.

2.2.6 If the revised NPSs are designated prior to a decision being made on the application for development consent, deliverables will be reviewed for consistency with the newly-designated NPSs, and any additional requirements would be captured within an errata document post submission. It was confirmed in Section 51 advice received from the Planning Inspectorate that if the new NPSs are adopted after the application has been submitted, the Examining Authority can issue procedural decisions to ask all parties for views on the impacts of new NPSs.

2.3 Nationally Significant Infrastructure Projects

2.3.1 The Planning Act creates a separate consenting route for major infrastructure projects in the fields of energy, transport, water, wastewater, and waste – termed NSIPs.

2.3.2 The Environment Act 2021 will mandate for NSIPs to achieve BNG and is expected to come into force by May 2026, with a requirement to achieve a minimum 10 % uplift in biodiversity value. However, the relevant sections of the Environment Act 2021 (s99 and Schedule 15) have not yet come into force, and there is currently no secondary legislation to implement them. National Grid intend to submit the Project application before the May 2026 date and therefore BNG is not a mandatory requirement for this Project. Nevertheless, National Grid has committed to deliver 10% BNG with wider environmental and societal benefits and, to achieve this, has calculated the biodiversity value for the Project using the Statutory Biodiversity Metric (2024 version). Natural England are in agreement with the use of the TCPA Statutory Biodiversity Metric for this Project and in the absence of specific BNG guidelines for NSIP applications have not objected to the proposed methodology.

2.3.3 Projects accepted for examination, in the DCO process, before the specified commencement date are not expected to deliver mandatory BNG (though they might deliver it in response to policy or voluntary commitments). While these provisions are not yet in force, they warrant consideration ahead of time to ensure any impact on viability caused by BNG requirements can be accommodated in future development proposals.

2.4 National Grid Commitments

National Grid's Duties Under the Electricity Act 1989

2.4.1 National Grid holds a transmission licence under the Electricity Act 1989 (the 'Act') and is required to develop and maintain an efficient, coordinated and economical electricity transmission system and to facilitate competition in the supply and generation of electricity. National Grid also has an obligation under s38 and Schedule 9 of the Act to consider ways to preserve amenity.

2.4.2 National Grid interprets amenity to be the natural environment, cultural heritage, landscape and visual quality. National Grid's stakeholder, community and amenity policy (National Grid, 2016) describes the ten commitments it has made to the way it carries out electricity works in the UK to provide safe, reliable and affordable transmission networks.

How National Grid Is Regulated

2.4.3 National Grid operates as a monopoly regulated by Ofgem through a framework known as RIIO2 which ensures National Grid is charging fair prices for the services it provides. The current regulatory period is known as RIIO-T2 and runs from 2021 to 2026. The next regulatory period, RIIO-T3, will run from 2026 to 2031. RIIO-T3 is currently going through the approval process with a decision on funding by OFGEM due in December 2025.

[2] RIIO: Revenue = Incentives + Innovation + Outputs

2.4.4 Consumers fund National Grid project costs through their electricity bills. Ofgem holds National Grid to account on the decisions it makes to ensure value for money for consumers. National Grid must meet its legal obligations and address policy requirements that apply to its developments, but it must do so efficiently and economically in accordance with its licence duties.

National Grid's Corporate BNG Commitments

2.4.5 National Grid's RIIO-T2 Business Plan (2021 – 2026) (National Grid, 2019) included a commitment to deliver 10 % BNG with wider environmental and societal benefits on its construction projects. National Grid made these commitments three years in advance of formal legislation. The RIIO-T2 Environmental Action Plan (National Grid, 2021) sets firm targets for the five-year period, with the following commitments to be funded:

- Deliver at least 10 % BNG with wider environmental and societal benefits on its construction projects
- Plus, incentive for delivering more than 15 % BNG; penalty if less than 5 % delivered.

2.4.6 Since RIIO-T2, legislation, policy requirements and stakeholder expectations for delivering BNG plus wider benefits have developed and evolved. To understand more of its stakeholder expectations, National Grid launched an external consultation focussed on its Nature Positive approach (February 2024). The purpose of the consultation was to gather views on National Grid's approach to nature for the RIIO-T3 period which included specific sections focussing on its BNG ambition and approach.

2.4.7 Stakeholder feedback indicated that delivering 10 % BNG was considered to be the norm, with some stakeholders indicating that a higher percentage (20 % - 30 % enhancement) should be delivered on large construction projects.

2.4.8 Notwithstanding calls for a percentage greater than 10 % National Grid's strategy is to deliver 'quality' over 'quantity' and ensure that its BNG levers the greatest value and benefit from consumer-funded BNG. 10 % is not seen as a specific target or cap and National Grid will seek opportunities to deliver more than 10 % where viable.

2.4.9 For the RIIO-T3 period (2026-2031) (National Grid, 2024a), as well as remaining legally and policy compliant, National Grid aims to maximise the benefits from consumer-funded BNG by delivering wider benefits. The RIIO-T3 Environmental Action Plan (National Frid, 2024b) proposal builds on RIIO-T2 and commits to:

- Deliver a minimum of 10 % BNG plus a quality and richness of outcomes (wider environmental and societal benefits)
- Explicitly adds the opportunity to provide BNG that delivers environmental education, learning and skills (EELS)
- Remove the incentive / penalty.

2.4.10 Wider environmental and social benefits could include providing access to new greenspaces for the wider public and user groups for their enjoyment of nature and open space, for study, and for wellbeing (e.g. schools, colleges, universities, interest groups and clubs).

2.4.11 Environmental education, learning and skills (EELS) could include using new greenspaces as an outdoor classroom to develop and exhibit environmental skills and techniques, from plant and wildlife identification to being a Forest Schools base, to map-making and orienteering. Sites could be used by people and groups at every educational stage.

2.4.12 BNG and any wider environmental or societal benefit would not duplicate or double count with any potential future 'community benefit'.

National Grid's Approach to BNG for Nationally Significant Infrastructure Projects

2.4.13 As explained above, there is currently no legal obligation for BNG on NSIPs. However, National Policy Statements EN-1 and EN-5 set out the policies for environmental net gain and BNG as it currently applies to NSIPs (Table 2.1).

2.4.14 In the absence of legal obligation or NSIP-specific guidance, National Grid's approach to BNG for NSIPs is to:

- Meet the policy requirements within the current NPS
- Deliver its corporate commitments to deliver at least 10 % BNG with wider benefits
- Maximise the benefits and value from consumer funded BNG
- Follow the spirit of the TCPA BNG legislation and guidance, including using the Statutory Biodiversity Metric.

2.4.15 For NSIPs National Grid's approach to the BNG hierarchy diverges slightly from that set out in TCPA legislation. For the most part National Grid NSIPs are long linear projects which are routed across third party land and the infrastructure allows retention of the original habitat (often agricultural) within the Order Limits, above underground cables and below overhead line spans. Projects consented under TCPA tend to be 'point-based' sites where the development often results in substantial permanent loss of habitat within the development boundary.

2.4.16 National Grid's approach is to deliver the best outcomes for nature from consumer-funded BNG. National Grid will deliver BNG in locations which can be managed and maintained for at least 30 years and which will be undisturbed by future development, because:

- Continuity of habitat delivers better outcomes for nature
- Ensures better value for money for consumers by avoiding having to expensively replace BNG habitat to accommodate future development.

2.4.17 Better outcomes for nature and value for money for consumers would likely occur where National Grid delivers BNG with expert partners, rather than through National Grid acquiring land to deliver BNG 'in-house'. On this basis, and irrespective of consenting regime, National Grid will consider providing on-site BNG where:

- It is on land in its ownership such as around substations, converter stations or cable sealing end compounds
- It is in locations where it can also meet requirements for environmental mitigation, such as landscape screening

- Where the location of any on-site BNG would not prejudice future site expansion needs or customer connections into the site.

2.4.18 National Grid's approach is to provide any on-site BNG in a coordinated manner in locations that do not prejudice the siting or routeing of future electricity infrastructure. This approach is in the best interests of nature and is economic and efficient because it safeguards on-site BNG and means that on-site landscape screening or other environmental mitigation can also contribute towards BNG.

2.4.19 BNG delivered off-site would generally be delivered through expert partners and biodiversity units purchased from commercially registered providers. This approach means that, for the most part, responsibility for implementation, management and reporting of BNG rests with experienced nature conservation organisations and land managers for which this is their area of expertise and core business. National Grid will consider provision of BNG within areas identified in Local Nature Recovery Strategy (LNRS) areas where sites are available and are appropriate to project circumstances.

2.4.20 For many of National Grid's infrastructure projects there is likely to be a mix of BNG solutions. For long linear projects off-site BNG delivery is likely to form a significant proportion of BNG delivery. Long-term management, monitoring and reporting will be undertaken for a minimum of 30 years:

- On-site by National Grid through its supply chain and with partners.

2.4.21 Off-site by providers generally as part of their commercial habitat banking package, secured through a legal agreement. The BNG approach seeks to ensure that biodiversity creation and enhancement is delivered in the right places for nature, is aligned with national and local policy objectives, and is managed and monitored by specialist organisations.

2.4.22 National Grid will continue to explore a range of options to deliver BNG for projects which provide the best choices and outcomes for nature and wider environmental and societal benefits and provide value for money for consumers.

3. Methods

3.1 BNG Approach and Methodology

3.1.1 In the absence of a biodiversity metric specifically designed for NSIPs, the Statutory Biodiversity Metric (Defra, 2024a), designed for TCPA, has been and would be used to calculate the Project's baseline and post-development biodiversity value to demonstrate how the Project's BNG commitments can be delivered. The user guidelines, rules and principles associated with the Statutory Biodiversity Metric (2024) have been broadly followed; however, given the significant difference in nature between TCPA and NSIP developments, it is not considered appropriate to follow TCPA guidelines exclusively. Details of the rules and principles of the metric are provided in Appendix C and D. Where the proposed approach deviates from the current guidelines, this has been identified within the methodology section of the report, with a clear justification provided for any change. Consultation on the proposed BNG approach has been undertaken with Natural England and in the absence of BNG guidelines for NSIP applications, have no objection to the proposed methodology.

3.2 Overview of Statutory Biodiversity Metric

3.2.1 The biodiversity metric calculates three 'types' of BUs in three separate 'modules' of the metric:

- Area habitat units
- Hedgerow units
- Watercourse units.

3.2.2 These three types of biodiversity units are unique and cannot be summed, traded, or converted. When reporting biodiversity gains or losses, the three different biodiversity unit types must be reported separately and not summed to give an overall unit value.

3.2.3 For the baseline, units are calculated per habitat parcel, based on its:

- **Extent** – measured in hectares (ha) or kilometres (km)
- **Distinctiveness** – a score pre-set by Natural England based on the type of habitat present and its rarity/protected status relative to other habitat types
- **Condition** – a score determined by a field-based assessment of whether habitat-specific condition criteria (set out in the Statutory Metric: Technical Annex 1 (Department for Environment, Food and Rural Affairs, 2024b)) have been passed or failed
- **Strategic significance** – a score based on whether the location of a habitat parcel has been identified as strategically significant for nature (for example, contributing to habitat networks noted within a Local Plan).

3.2.4 These measures of habitat quantity and quality are each scored to calculate the number of units that a given habitat parcel generates. Additional unit modifiers apply

to river habitats that include the level of encroachment of development on riparian and in-channel habitat, with greater encroachment resulting in a lower unit score.

3.2.5 Habitats that are cleared during works are marked as a loss of units. Gains in units can be achieved through habitat creation (creating 'new' habitats) or habitat enhancement (improving existing habitats).

3.2.6 Biodiversity gains must be designed in ways that meet the habitat trading rules of the Biodiversity Metric. The requirements vary according to the habitat type and distinctiveness of the lost habitat. This rule prevents 'trading down' in habitat distinctiveness.

3.2.7 Proposed habitat creation or enhancement is similarly measured based on a combined set of proposed extent, habitat type/distinctiveness, target condition, and strategic significance scores. In addition to these, there are risk multipliers that can affect the final unit score based on:

- **The difficulty of habitat creation** – habitats that are harder to create (e.g., a lowland raised bog) are associated with greater risk than those that are easier to create (e.g. modified grassland). This is pre-set by Natural England within the Statutory Biodiversity Metric
- **The time it takes for a habitat to reach target condition ('time to target condition')** – habitats that take longer to establish (e.g., a good condition woodland) are associated with greater risk than those that are quick to establish (e.g., a poor condition grassland). This is pre-set by Natural England within the Statutory Biodiversity Metric
- **The delay or advance in providing habitat creation or enhancement** – the number of years delay/advance is defined as the number of years between the start year of habitat clearance and the start year of habitat creation / enhancement. A delay in habitat creation/enhancement results in a higher time to target condition multiplier, whereas habitats created/enhanced in advance benefit from a shorter time to target condition. This information is specific to each project
- **The spatial location of off-site BNG delivery** – multipliers are applied to off-site habitat creation/enhancement that is delivered outside of the Local Planning Authority or National Character Area within which the site of impact is located.

3.2.8 The Statutory Biodiversity Metric then compares the baseline unit scores to the proposed post-works biodiversity unit score to determine the percentage and numerical change and whether a net gain in units has been achieved in line with the habitat trading rules. This is calculated separately for area-based habitat units, hedgerow units, and watercourse units, each have a separate minimum 10 % biodiversity net gain requirement.

3.3 Baseline

Defining the Baseline Boundary

3.3.1 The red line boundary submitted for TCPA planning applications is considered to be the boundary for the 'on-site baseline', when using the Statutory Biodiversity Metric. For NSIPs however, an Order Limit is created; this acts slightly differently to a red line boundary as it includes the maximum extent of land within which the Project can be carried out, rather than the extent of the developable area. Consequently, the

Order Limit does not represent the realistic extent of habitat that would be impacted by the Project.

3.3.2 'The making an application' guidance published on UK Government website (UK Government, 2014) states that '*The application site should be edged clearly with a red line on the location plan. It should include all land necessary to carry out the proposed development (e.g. land required for access to the site from a public highway, visibility splays, landscaping, car parking and open areas around buildings). A blue line should be drawn around any other land owned by the applicant, close to or adjoining the application site.*'

3.3.3 With consideration to the above advice, it is considered appropriate to use a 'maximum construction area' as the baseline boundary in the Statutory Biodiversity Metric, rather than the Order Limits. The use of the 'maximum construction area' includes all works areas but excludes any land not directly affected based on the design as presented in the DCO application. The use of a 'maximum construction area' is considered a proportionate approach for projects of this scale. The Order Limit is the 'blue line' and the 'on-site baseline' is considered to be the 'maximum construction area'.

3.3.4 All area habitats within the 'maximum construction area' are included in the 'on-site' baseline. Directly impacted hedgerows / linear features and watercourses, are included in the 'on-site' baseline for this BNG assessment'. The 'off-site' tab in the metric tool has been used for sections of hedgerow and line of tree that are outside the 'maximum construction area' and within the Order Limits, hereafter referred to as the 'Order Limit Hedgerows'. The Order Limit Hedgerows are to be enhanced to meet the minimum net gain requirement (+10 %) and for this reason they have also been included in the baseline.

3.3.5 Consultation on the proposed BNG approach has been undertaken with Natural England and in the absence of BNG guidelines for NSIP applications, have no objection to the proposed methodology.

UK Habitat Survey and Condition Assessment

Stage 1 – Initial Habitat Mapping

3.3.6 Habitats were initially mapped using a combination of high-resolution imagery including:

- Ultra-high resolution ortho imagery
- Topographic data (Digital Spatial Model, Digital Terrain Model, and point cloud)
- Interactive 3D Models of the route
- Phase 1 habitat mapping outputs
- Tree canopy mapping.

3.3.7 A fixed wing, manned aircraft survey producing both ultra-high resolution (up to 1.5 cm Ground Sampling Distance) aerial imagery and highly accurate mapping/topographic outputs was initially undertaken by APEM Ltd in 2022, covering all land within the Scoping Corridor and within 50 m.

3.3.8 A File Geodatabase (FGDB) was created containing:

- A polygon feature class for Area Habitats
- A polyline feature class for Hedgerows
- A polyline feature class for Watercourses.

3.3.9 Each feature class of the FGDB had an associated 'attribute table' (a database containing information about the features created within the feature class). 'Shape geometry' was included as an attribute, meaning the area or length of every feature (individual habitat polygon or line) was automatically measured by the mapping software. Broad habitat types were assigned to each feature within each feature class.

Stage 2 – UKHab Ground Truthing and Condition Survey

3.3.10 Between 2022 and 2025 qualified botanists undertook ground truthing surveys to validate the Stage 1 initial habitat mapping. During the ground truthing surveys the habitats were classified using UK Habitat Classification (UKHab Ltd, 2023). All habitats (where accessible) have been classified to UKHab Level 3 or 4.

3.3.11 A habitat condition assessment was undertaken for each habitat type using the Statutory Biodiversity Technical Appendix 1: Condition Assessment Sheets (Defra, 2024b). The River Condition Assessment (RCA) was used for Priority River Habitat (see paragraph 3.3.18 'for more details).

3.3.12 An approximate total of 87.5 % of the maximum construction area has been surveyed as of the end of March 2025. The remaining area, which could not be accessed and has not been subject to a ground-truthing exercise, has been mapped and categorised using the data obtained through Stage 1 survey. Conversion of Ordnance Survey (OS) Master Map and APEM Phase 1 habitat data to UKHab data is shown in Appendix B.

3.3.13 Habitat condition for each UKHab type was then determined by taking the mean condition of the same habitat type from the 87.5 % (approximately) of surveyed land. Given the extensive coverage of the local area that has been subject to detailed survey (approximately 87.5 %), this is considered to be a robust and reliable sample size for extrapolation of data.

3.3.14 Chapter 10 of the Biodiversity Net Gain Good Practice Principles for Development (CIEEM, IEMA and CIRIA, 2019) indicates that remote sensing or drones are acceptable when used in conjunction with desk-based records when surveying large areas. However, identifying limitations when using these methods is vital. Table 10.2 in the Biodiversity Net Gain Good Practice Principles for Development (CIEEM, IEMA and CIRIA, 2019) suggests that a '*representative percentage of the area e.g. 20%'* should be surveyed to help overcome information gaps. Natural England indicates that baseline surveys should be undertaken in line with CIRIA BNG good practice guidance. The surveyed area of approximately 87.5 % of the maximum construction boundary, far exceeds the example given in the BNG good practice principles for development (CIEEM, IEMA and CIRIA, 2019) and is deemed acceptable. If the DCO is granted the Project's baseline would be updated prior to works commencing.

3.3.15 The results from these surveys have been used to inform the baseline BNG assessment presented in this report.

Individual Trees

3.3.16 Impacts to individual trees will be mitigated/compensated for separately and this will sit outside the BNG report. National Grid are committed to delivering a 3:1 replacement planting ratio for individual trees, as detailed within the Outline Landscape and Ecological Management Plan (LEMP) (document reference 7.4).

Modular River Survey

3.3.17 Using a combination of the UKHab survey data, as well as modern and historical OS mapping (National Library of Scotland, 2024) all watercourses potentially directly impacted by the Project were classified as Priority River Habitat, Other Rivers and Streams, Canals, Ditches or Culverts.

3.3.18 The RCA is only applicable to Priority River Habitat. Other Rivers and Streams and Canals and Ditches condition assessments were undertaken using the Statutory Biodiversity Technical Appendix 1: Condition Assessment Sheets (Defra, 2024b).

3.3.19 Modular River surveys (MoRPh) were undertaken on watercourses that met the criteria for RCA by accredited surveyors in accordance with the official guidance set out in Gurnell *et al.* (2024) and entered into Cartographer (Cartographer Studios Ltd, 2012) in order to obtain a baseline RCA.

3.3.20 All MoRPh qualifying watercourses impacted by the Project and included within the 'maximum construction area' are included within the baseline calculation of the metric.

3.3.21 All lead surveyors are members of the CIEEM. They are trained, experienced ecologists competent in undertaking the respective habitat surveys. The lead surveyors for RCA were fully accredited for RCA by the Cartographer RCA Team and the Royal Geographical Society (RGS).

3.3.22 The results of the RCA are recorded within the Cartographer GIS database (Cartographer Studios Ltd, 2012).

Survey Timings

3.3.23 The UKHab ground truthing surveys and modular river surveys have taken place in the survey season as outlined in Table 3.1.

Table 3.1 Survey timings

Type of Survey	Survey Dates[3]
UK Habitat Classification and Condition Assessments	May to October 2023 April to November 2024 March 2025
Modular River Survey	August to October 2024 March to June 2025

[3] This BNG assessment has included UKHab survey data up to the end of March 2025 in line with the data provided within ES Chapter 8: Ecology and Biodiversity (document reference 6.8).

Strategic Significance

3.3.24 The following resources were consulted when considering strategic significance:

- Draft Local Nature Recovery Strategies
- Multi Agency Geographic Information for the Countryside (MAGIC, 2024)
  - Priority Habitats Inventory (England)
  - Statutory land-based designations (England)
- Natural England
- Local Plans
- Local Records Centres
  - Non-statutory designated sites.

3.3.25 The Environment Act 2021 sets out legally binding targets for the natural environment and establishes important legal requirements and mechanisms to enable the government's goals for nature recovery. This includes a new, England-wide system of LNRSs. Responsible authorities, in this case Norfolk, Suffolk and Greater Essex, are appointed to prepare a Local Nature Recovery Strategy for their area.

3.3.26 At the time of writing there are no published LNRSs for Norfolk, Suffolk or Essex. The draft Essex, Norfolk and Suffolk LNRSs were reviewed and considered as per paragraphs 3.2.28-29 below.

3.3.27 In the absence of published LNRSs, a strategic significance model has been developed. Where habitats overlap with any of the following ecological factors, these were assigned high strategic significance 'Formally identified in the local strategy' in the baseline and post-development:

- Ramsar sites
- Special Areas of Conservation
- Special Protection Areas
- Sites of Special Scientific Interest (SSSIs)
- Tilbury - Area of interest (SSSI extension)
- National Nature Reserves
- Local Nature Reserves
- Local and County Wildlife Sites
- Roadside Nature Reserves
- Habitats mapped in Priority Habitats Inventory (Natural England, 2023).

3.3.28 The remaining habitats were assigned low strategic significance 'area/compensation not in local strategy/no local strategy' as defined by the statutory metric.

3.3.29 The draft Essex LNRS (Essex County Council, 2024) draft Suffolk LNRS (Suffolk County Council, 2025), and draft Norfolk LNRS (Norfolk County Council, 2025) were reviewed. Based on guidance set out in Table 7 of the Statutory Biodiversity Metric:

User Guide (Defra, 2024a) '*If your project delivers the mapped potential measure set out in the LNRS you should:*

- *record strategic significance as low in the baseline*
- *record strategic significance as high in post-intervention sheets*
- *record that you have applied the published LNRS in your gain plan'*

3.3.30 As such, permanent assets (Environmental Areas) were reviewed against the draft LNRSs to see if the Project would deliver any measures set out in the draft LNRSs, for example where 'grassland' was proposed in Environmental Areas of '*strategic grassland habitat creation opportunities'* these areas were recorded as 'high strategic significance' in the post-development sheets, in line with the guidance set out in the Statutory Biodiversity Metric user guide. The locations of the Environmental Areas are shown on Figure 4.1: Proposed Project Design (document reference 6.4.F1) and Figure 4.2: Proposed Project Design – Permanent Features (document reference 6.4.F2). Landscape planting would reduce effects – further details are provided in the Outline LEMP (document reference 7.4).

3.4 Post Intervention: Impacts

3.4.1 ES Chapter 4: Project Description (document reference 6.4) and the Works Plans (document reference 2.3) were utilised to determine the post-development habitat impacts regarding retention, temporary loss or permanent loss. Each habitat type was categorised in accordance with Defra's guidance (Defra, 2024a). Table 3.2 sets out the type of impact and how this has been reflected in the BNG metric.

Table 3.2 Types of impacts and associated entry into the statutory metric

Impact	Input to Metric
Retained	The baseline habitat is marked as retained.
Temporary loss and full re-instatement to the baseline habitat type and condition within two years	The baseline habitat is marked as retained.
Habitat is retained and enhanced when: an improvement in condition compared to baseline state or change to a higher distinctiveness habitat within the same broad habitat type.	The baseline is marked as enhanced. Enhancements are recorded in separate enhancement tab.
Temporary loss and full re-instatement to the baseline habitat type and condition after more than two years	The baseline habitat is marked as loss. The re-instated habitat type and baseline condition is then entered as habitat creation
Loss of the baseline habitat and creation of a different habitat	The baseline habitat is marked as loss. The new habitat to be created with its target condition is then entered as habitat creation

Impact	Input to Metric
Permanent loss	The baseline habitat is marked as loss. The post-works land-cover is entered in the habitat creation tab as developed land (e.g., 'Urban - developed land; sealed surface')

3.4.2 The following construction activities have been considered to be 'temporary' and would be re-instated to their original habitat type and condition within two years and therefore marked as retained within the BNG Metric:

- UK Power Networks (UKPN) undergrounding of existing infrastructure (11 kV and 33 kV)
- BT Openreach undergrounding works area
- UKPN overhead line existing tower dismantling (11 kV, 33 kV and 132 kV).

3.4.3 Temporary and permanent losses per Project element are described in Table 3.3.

Table 3.3 Types of impact and associated entry into the statutory metric

Type of Impact	Classification of Impact
Substations	Permanent loss
Cable Sealing End (CSE) platforms	Permanent loss
Permanent access routes	Permanent loss
Cable / overhead line and CSE compounds and laydown areas	Temporary loss and full re-instatement to the baseline habitat type and condition after more than two years
Temporary Haul Roads and site access points	Temporary loss and full re-instatement to the baseline habitat type and condition after more than two years
Temporary Works Areas	Temporary loss and full re-instatement to the baseline habitat type and condition after more than two years
Area under pylons	The baseline habitat is marked as loss. The new habitat to be created with its target condition is then entered as habitat creation
Overhead Line Route Vegetation Impacts (Trees)	The baseline habitat is marked as loss. The new habitat to be created with its target condition is then entered as habitat creation
Environmental Areas	The baseline habitat is marked as loss. The new habitat to be created with its target condition is then entered as habitat creation

3.4.4 The following assumptions have been made when considering impacts:

- Trees would be removed underneath overhead lines and cannot be re-planted under overhead lines. It is assumed that 20 m either side of the overhead centre line would be removed and trees within 40-56 m may be 'affected', to what extent is unknown. Based on a worst-case scenario calculation it has been assumed that all trees within the 56 m width would be lost.
- Low height pylons require a wider construction swathe and therefore require additional impacts to trees. It is assumed that 25.5 m either side of the overhead centre line would be removed and trees within 51-67 m may be 'affected', to what extent is unknown. Based on a worst-case-scenario calculation it has been assumed that all trees within the 67 m width would be lost.
- Assumed worst case scenario of open cut installation of the 400 kV underground cabling. Typically, the cable swathe requirement is 120 m wide, but it is expected that it would typically be limited to 70 m at hedgerows and watercourses. However, the calculations are based on a worst-case and it is assumed the whole 120 m would be lost within the cable swathe for area-based habitats and 70 m at linear features (hedgerows and watercourses).
- Assumed worst case scenario for 132 kV underground cabling. Typically, the cable swathe requirement is 35 m wide, but it is expected that it would be possible to pinch this swathe in at hedgerows and watercourses to 15 m in the detailed design. However, the calculations are based on a worst-case and it is assumed the whole 35 m would be lost within the cable swathe for area-based habitats and 15 m at linear features (hedgerows and watercourses).
- Similarly, it is assumed a typical width of 12 m for haul roads would be required for vegetation removal, with an additional 9 m swathe required to accommodate drainage and soils storage (total 21 m). A worse-case scenario of 12 m has been applied for vegetation removal for hedgerows and watercourses 'linear features', but it is expected that it would be possible to reduce this vegetation removal in the detailed design. For the purpose of this BNG assessment a width of 12 m is considered 'Lost' for linear features and for area-based habitats it is assumed the whole 21 m would be lost to the haul roads.
- Crossover points would also be provided where the haul roads meet and cross the public highway and private tracks, i.e. a bellmouth would be provided either side of the public highway / private track to allow construction traffic to safely cross. An 8 m buffer has been applied to each bellmouth due to the nature and type of vehicle movements that may be required, and it is assumed the whole bellmouth plus an 8 m buffer would be lost for area-based habitats and linear features (hedgerows and watercourses)
- Vegetation clearance associated with site access points to form appropriate visibility splays, and any traffic management requirements, would vary from site to site. However, where practicable vegetation would be trimmed or cut to stump rather than full removal. As such, it is assumed that all hedgerows within visibility splays would be 'retained'. Any habitat type under the broad habitats 'woodland and forest' and 'heathland and shrub' is assumed to be lost within visibility splays, while all other habitat types, including watercourses, are assumed to be retained
- Standard steel lattice pylons and low height steel lattice pylons are proposed for the Project; an average was used for the area underneath each pylon to create the square features from the point layer.

3.4.5 It should be noted that aspects of the Project, including pylon locations and cable swathes, are not fixed and could be located anywhere within the LoD. Given the pre-consent calculations are based on a worst-case scenario and use the maximum construction footprint, changes in locations to these aspects of the Project may lead to minor changes to the initial calculation but are not likely to lead to significant changes to biodiversity units calculated. As such, the LoD is not included in the impact assessment. It is considered that the BNG calculator and associated reporting would be iterative and updated throughout the detailed design phases of the Project should development consent be granted.

Irreplaceable Habitats

3.4.6 The BNG Good Practice Principle 2 is '*Avoid losing biodiversity that cannot be offset elsewhere: avoid impacts on irreplaceable biodiversity – these impacts cannot be offset to achieve No Net Loss or Net Gain*' (CIEEM, IEMA and CIRIA, 2019).

3.4.7 Irreplaceable habitats (as provided for in Biodiversity Gain Requirements (Irreplaceable Habitat) Regulations 2024) are technically very difficult to recreate once destroyed (or recreation would take a significant amount of time). As such, the BNG requirement is disapplied for these habitats. Any losses or deterioration impacts to irreplaceable habitats cannot be calculated by the biodiversity metric tool and they have been removed from the baseline.

3.4.8 The Ancient Woodland and Veteran Tree Strategy (Appendix B of the Outline LEMP (document reference 7.4) addresses all impacts, mitigation and compensation required for ancient woodland and veteran trees separately, the only irreplaceable habitat present within the Order Limits, and is therefore not considered as part of this BNG report.

3.5 Post-Intervention: Habitat Creation and Enhancement On-Site

3.5.1 A habitat creation delay of four years has been applied to all created habitats. Given the linear nature of the Project this is an unlikely real-world scenario, and habitats would likely be progressively replaced or created. For the purposes of this assessment, a pre-cautionary approach has been adopted, and a worst-case scenario has been applied (4-year delay).

Replacement Planting

3.5.2 The Statutory Biodiversity Metric User Guide (for TCPA projects) (Defra, 2024a) states that any habitat that cannot be managed for the 30-year period cannot be included with the BNG Metric. However, for NSIPs it is arguable that this does not accurately reflect the real-world situation, where under the requirements of the DCO, National Grid would be obligated to re-instate habitats that are temporarily lost to the Project to their previous type and condition. Excluding all reinstated habitat along the full length of the Project from the metric has considerable implications to the calculations and does not accurately reflect the biodiversity value on completion of the Project.

3.5.3 The TCPA User Guide on replacement habitats is not considered suitable for NSIPs for the following reasons:

- It does not reflect the real-world situation where habitat would be re-instated and by not including provides no incentive for developers to re-instate temporarily lost habitats
- Natural England's stance suggests that landowners would remove reinstated habitats at some point after planting (i.e. once the aftercare period has ended). This seems presumptuous and could be argued that landowners could in future seek to remove any habitat, including those retained by the development, not just the re-instated sections
- An NSIP cannot seek to interfere with landowners' rights to manage their own land beyond the extent needed to deliver the development. It would be disproportionate to compulsorily acquire rights to control a landowner's land management activities for 30 years purely to control small sections of re-instated habitats
- The inclusion of secured funding for 30 years of habitat management for small areas of habitat/ small sections of hedgerow temporarily affected by the Project would create an administrative burden for landowners, who would be required to exclude these areas from any existing or future agri-environment schemes or other nature-based funding that may arise. This goes against the holistic BNG approach being adopted and may diminish the intended overall biodiversity legacy inherited in each of the three counties by resources being absorbed on these small areas.

3.5.4 Additionally, under mandatory BNG, where a developer relies upon a significant increase in on-site habitat biodiversity value to meet mandatory BNG, these habitats being created and/or enhanced must be subject to a planning condition, section 106 agreement, or conservation covenant requiring them to be maintained for at least 30 years after the development is completed. These habitats being created and/or enhanced on-site are called '*on-site significant enhancements*' (CIEEM, IEMA, CIRIA, 2024). The inclusion of replacement planting in the BNG calculations would not result in no net loss post-intervention, much less provide a net gain. As such, the inclusion of replacement planting does not provide significant increases to habitat biodiversity value towards meeting mandatory net gain and can be considered '*non significant'* in these terms. Based on the advice given in Mandatory Biodiversity Net Gain in England A Guide (CIEEM, IEMA, CIRIA, 2024) only '*on-site significant enhancements*' would be subject to be maintained for at least 30 years after the development is completed.

3.5.5 The approach used includes all replacement planting within the BNG metric, where the area habitat type and condition would be returned to baseline type and hedgerows and watercourses would be enhanced by one condition level. Through consultation, Natural England have confirmed that this approach is acceptable prior to mandatory BNG for NSIPs. On completion of the Project, land would be returned to the landowner, and the expectation would be a return to previous long-term management. A specific agreement for 30-year management with the landowner would not be made.

3.5.6 However, a commitment to a five-year monitoring/management of all new tree/hedgerow planting on-site would be included within the DCO, as per the Outline LEMP (document reference 7.4).

3.5.7 The replacement planting mitigation would not change the habitat type or assume a different condition to the baseline value except for the following elements described in Table 3.4.

Table 3.4 Habitat creation / enhancement approach

Project Element	Habitat Creation Approach
Overhead Line Route Vegetation Impacts (Trees)	Assuming any trees/woodlands would be removed and not reinstated under overhead line impact zones (56 m buffer, or 67 m buffer for low height pylons). Assumed woodlands would be replaced with 'mixed scrub' in 'moderate' condition.
Pylons	An average was used for the area underneath each pylon to create the square features from the point layer. These areas would not be re-instated as agricultural land, so it has been assumed that a habitat of low distinctiveness could be 'created' (sparsely vegetated land - tall forbs) in 'good' condition.
Environmental Areas	Outline landscape plans have been developed for the Environmental Areas. These landscape plans (included within the Outline LEMP (document reference 7.4)) were used to determine the habitat type and extent at each location. The following landscape proposals were utilised: • 12055-LUC-XX-XX-DR-L-0001 Norwich Substation Landscape Proposals • 12055-LUC-XX-XX-DR-L-0003 EACN Substation Landscape Proposals • 12055-LUC-XX-XX-DR-L-0006 Wenham Grove CSE Compound Landscape Proposals • 12055-LUC-XX-XX-DR-L-0007 Great Horkesley (EACN Side) CSE Compound Landscape Proposals • 12055-LUC-XX-XX-DR-L-0008 Great Horkesley (Tilbury Side) CSE Compound Landscape Proposals • 12055-LUC-XX-XX-DR-L-0009 Fairstead (EACN Side) and Fairstead (Tilbury Side) CSE Compounds Landscape Proposals • 12055-LUC-XX-XX-DR-L-0012 Tilbury North Substation and CSE Compounds (with Lower Thames Crossing (LTC)) Landscape Proposals. It is assumed that all retained grassland and scrub habitats will be enhanced to one condition higher than their baseline. Any retained woodland will be enhanced to a maximum condition of 'moderate,' unless its baseline is in 'good' condition which will be retained. All newly created woodland and scrub will be created in 'moderate' condition and all newly created grassland will be created in 'good' condition. The exception to the above are habitats at Tilbury North Substation and CSE compounds Tilbury North (Tilbury Side) and

Project Element	Habitat Creation Approach
	Tilbury North (Warley Side) (with LTC). Those areas that fall within the baseline of this BNG assessment that will be temporarily impacted by this Project and interact within the areas demarked for LTC mitigation will be recorded as lost and re-instated to their original baseline habitat types and baseline condition to avoid double counting net gains.
Drainage	Permanent attenuation drainage ponds would be 'created' as 'urban-sustainable drainage system' in 'good' condition.
Hedgerows	All re-instated hedgerows will be enhanced to one condition higher than their baseline following the subsequent procedures: • Gap filling of hedgerows using native species of the same composition as the landscape • Remove damaging features from hedgerows (i.e. manure piles, rubble). A proportion of enhancements to re-instated hedgerows will extend beyond the maximum construction boundary to the end of the hedgerow or the Order Limits (whichever comes first) in order to meet the minimum net gain requirement (+10 %). All newly created hedgerows will be created in 'good' condition.
Watercourses	All re-instated priority watercourse habitats will all be enhanced to one condition higher than their baseline following the subsequent procedures: • Removal of invasive species (mainly Himalayan balsam *Impatiens glandulifera*) • Bank top tree, shrub, grass and herb planting • Marginal and aquatic vegetation seeding/ planting (emergent, sub-merged and floating) • Removal of any large rubbish in watercourses (when applicable). All re-instated ditches will all be re-instated to their baseline condition unless poor or fairly poor in which case they will be re-instated to moderate condition following the subsequent procedures: • Marginal and aquatic veg seeding/ planting (emergent, sub-merged and floating) • Remove non-native invasive plant species • Removal of filamentous algae and duckweed (when applicable).

Environmental Areas

3.5.8 ‘Environmental Areas’ have been identified across the Project as part of on-site mitigation. Multi-functional areas were prioritised, providing mitigation or enhancements for different environmental aspects i.e. sites where landscape mitigation and biodiversity gains could be achieved together. National Grid would retain ownership of these Environmental Areas and therefore National Grid can commit to a 30 year habitat management and monitoring plan. The following areas have been identified as ‘Environmental Areas’ in the current assessment.

- Land around Norwich Main Substation (areas not included in the Norwich Main Substation Extension Planning application; see below)
- Land around EACN Substation
- Land around Tilbury North Substation and Tilbury North (Warley Side) and Tilbury North (Tilbury Side) CSE Compounds (with Lower Thames Crossing)
- Land around Wenham Grove CSE Compound
- Land around Great Horkesley (EACN Side) CSE Compound
- Land around Great Horkesley (Tilbury Side) CSE Compound
- Land around Fairstead (EACN Side) and Fairstead (Tilbury Side) CSE Compounds.

3.5.9 Outline landscape plans have been developed for these Environmental Areas, which will provide an indicative illustration of the habitats that could be created and enhanced on the sites, while taking into account other constraints and requirements for the sites. Detailed designs for these areas will be finalised and submitted for review post consent as part of the discharge of requirement process. At this post-consent stage the habitat being relied upon for BNG, and therefore subject to 30 year management, will be clearly defined.

Other Project Interactions

Norwich Main Substation Extension (Town and Country Planning Act 1990)

3.5.10 A separate TCPA Application for an extension to the existing Norwich Main Substation (planning application reference 2024/1336) was granted planning consent in September 2024. The area associated within the Norwich Main Substation TCPA planning consent has been clipped from the baseline and post-development interventions, to avoid double counting within the metric.

Land Around Tilbury North Substation and Tilbury North (Warley Side) and Tilbury North (Tilbury Side) CSE Compounds (with Lower Thames Crossing)

3.5.11 At the very southern end of the Project (Tilbury North Substation and land to the south), there is a geographical interaction with LTC. While LTC’s DCO was consented in March 2025, at the time of writing funding for construction of LTC is not yet secured. However given the granting of DCO consent, the future construction of LTC has been considered the most likely scenario.

3.5.12 For the purpose of this BNG assessment the land around Tilbury North Substation and Tilbury North (Warley Side) and Tilbury North (Tilbury Side) CSE Compounds (with Lower Thames Crossing) Environmental Area has been used within the metric.

3.5.13 The land parcels where LTC has proposed ancient woodland and nitrogen deposition mitigation, and/or the alternative mitigation sites provided by the Norwich to Tilbury Project, have been excluded from the habitat creation and enhancement proposed for this Project, to ensure no double counting and additionality (BNG principle).

3.6 Off-Site

3.6.1 This BNG assessment considers the Project as a whole aiming to deliver at least 10% BNG with wider environmental and societal benefits across the Project. While every effort has been made to deliver the required BNG through replacement planting and on-site mitigation in the form of habitat creation and enhancement, given the scale and nature of the Project, 10 % BNG is not fully achievable on-site. Off-site BNG is therefore proposed to make up any deficit. Biodiversity is not physically bound by Local Planning Authority boundaries and therefore a holistic approach is proposed for any off-site BNG, with the aim to deliver a biodiversity legacy ideally in each of the three counties crossed by the Project (Norfolk, Suffolk and Essex).

3.6.2 Consultations with third-party stakeholders are on-going to secure off-site habitat creation and enhancement measures to offset the impacts of the Project. A range of off-site options are currently being considered, and a database of these potential sites has been created.

3.7 Notes and Limitations

3.7.1 Using aerial imagery may result in inaccuracies from misidentification of certain habitats due to unclear images. The ground-truthing surveys have overcome this limitation for the majority of the Project Order Limits as discussed in Section 3.3.

3.7.2 Land access restrictions have resulted in some land parcels not being surveyed on the ground. Where access was not available a combination of the APEM data and past aerial imagery data available on Google (Google Earth, 2023) and surveys from vantage points have been used to overcome this limitation. A precautionary approach to ecological condition has been taken where the value of a habitat has not been surveyed.

4. Results

4.1 Biodiversity Net Gain: Baseline Results

On-Site

4.1.1 The Project has also been sub-divided into eight geographical sections for reader accessibility, based largely on Local Planning Authority boundaries. These are shown on Figure 7.7.1 UK Habitat Classification Map (pre-development baseline) and Figure 7.7.2 UK Habitat Classification Map (post-development) in Appendix A and comprise:

- Section A – South Norfolk Council
- Section B – Mid-Suffolk District Council
- Section C – Babergh District Council, Colchester City Council and Tendring District Council
- Section D – Colchester City Council
- Section E – Braintree District Council
- Section F – Chelmsford City Council and Brentwood Borough Council
- Section G – Basildon Borough Council and Brentwood Borough Council (and part of Chelmsford City Council)
- Section H – Thurrock Council.

4.1.2 Results reported in this document reference the Project section that the habitat is located within and are based on habitat survey data up to the end of March 2025.

Overview Baseline Area Habitat

4.1.3 The ‘maximum construction boundary’ used to determine the baseline covers an area of 2398.93 ha generating a total of 6389.56 BU for area habitats. Table 4.1 provides a summary of broad habitat types present within the Project baseline.

Table 4.1 Area Habitats and Biodiversity Units within the baseline

UK Broad Habitat Type	Area (ha)	Biodiversity Units (BU)
Cropland	1899.39	3824.16
Grassland	350.06	1857.91
Urban	77.00	37.76
Woodland and forest	45.29	502.00
Heathland and shrub	13.76	108.91
Sparsely vegetated land	9.97	42.95

UK Broad Habitat Type	Area (ha)	Biodiversity Units (BU)
Lakes	1.86	13.24
Watercourse footprint	1.43	0.00
Wetland	0.17	2.63
Totals	**2,398.93**	**6389.56**

4.1.4 Detailed descriptions of each habitat type can be found within ES Appendix 8.1: Habitat Report (document reference 6.8.A1). A summary of broad habitats present within each Project Section is outlined below.

4.1.5 ES Appendix 8.16: Designated Sites (document reference 6.8.A16) provides further details on statutory and non-statutory designated sites including reasons for designation.

Section A

4.1.6 Section A starts at the existing National Grid Norwich Main 400 kV Substation in the north down to the River Waveney in Diss. The Section A baseline measures approximately 334.77 ha and is predominantly characterised by cropland (occupying approximately 79.94 %), grassland (13.44 %), urban (3.18 %), woodland (2.30 %) and heathland and shrub (0.89 %). The remaining broad habitat categories comprise <1 % of the habitats in Section A and include sparsely vegetated land (0.18 %), watercourse footprint (0.07 %) and lakes (0.0 1%).

4.1.7 The following Habitat of Principal Importance (HPI) are present within Section A:

- Lowland mixed deciduous woodland (5.57 ha)
- Floodplain wetland mosaic and Coastal and floodplain grazing marsh (CFGM) (1.62 ha)
- Arable field margins (0.13 ha)
- Ponds (priority habitat) (0.02 ha).

4.1.8 There are no statutory or non-statutory designated sites that fall within the baseline of Section A.

Section B

4.1.9 Section B extends from the River Waveney in Diss to Sproughton in Ipswich. The Section B baseline measures approximately 513.38 ha and are predominantly characterised by cropland (occupying approximately 85.11 %), grassland (9.04%), urban (4.59 %) and woodland (0.87 %). The remaining broad habitat categories comprise <1% of the habitats in Section B and include heathland and shrub (0.31 %), watercourse footprint (0.05 %), lakes (0.01 %) and sparsely vegetated land (0.01%).

4.1.10 The following HPI are present within Section B:

- Lowland mixed deciduous woodland (3.20 ha)
- Floodplain wetland mosaic and CFGM (0.64 ha)
- Arable field margins (0.34 ha)

- Ponds (priority habitat) (0.04 ha)
- Wet woodland (0.04 ha).

4.1.11 There are no statutory designated sites that fall within the baseline of Section B.

4.1.12 There are three non-statutory designated sites that fall within the baseline of Section B:

- River Gipping (Sections) County Wildlife Site (CWS)
- Thrandeston Marsh CWS
- Roadside Nature Reserve (RNR) 200.

Section C

4.1.13 Section C extends from Sproughton in Ipswich to Colchester. The Section C baseline measures approximately 476.39 ha and are predominantly characterised by cropland (occupying approximately 78.50 %), grassland (16.13 %), urban (2.0 8%), woodland (2.27 %) and sparsely vegetated land (0.52%). The remaining broad habitat categories comprise <1 % of the habitats in Section C and include lakes (0.27 %), heathland and shrub (0.11 %), watercourse footprint (0.08 %) and wetlands (0.04 %).

4.1.14 The following HPI are present within Section C:

- Lowland mixed deciduous woodland (9.39 ha)
- Floodplain wetland mosaic and CFGM (3.33 ha)
- Lowland dry acid grassland (3.09 ha)
- Reedbeds (0.17 ha)
- Ponds (priority habitat) (0.04 ha)
- Arable field margins (0.03 ha).

4.1.15 There are no statutory designated sites within the baseline of Section C.

4.1.16 There are three non-statutory designated sites within the baseline of Section C:

- Higham Meadow CWS
- Sproughton Park CWS
- Black Brook Local Wildlife Site (LWS).

Section D

4.1.17 Section D extends from Colchester to the A120 near Coggeshall. The Section D baseline measures approximately 229.34 ha and are predominantly characterised by cropland (occupying approximately 81.22 %), grassland (13.71 %), urban (2.20 %) and woodland (2.10 %). The remaining broad habitat categories comprise <1 % of the habitats in Section D and include heathland and shrub (0.41 %), sparsely vegetated land (0.32 %), lakes (0.01 %), and watercourse footprint (0.03 %).

4.1.18 The following HPI are present within Section D:

- Lowland mixed deciduous woodland (4.31 ha)
- Arable field margins (2.30 ha)

- Ponds (priority habitat) (0.02 ha).

4.1.19 There are no statutory or non-statutory designated sites that fall within the baseline of Section D.

Section E

4.1.20 Section E extends from A120 near Coggeshall to Fuller Street. The Section E baseline measures approximately 185.83 ha and are predominantly characterised by cropland (occupying approximately 88.33 %), grassland (7.37 %), woodland (2.42 %) and urban (1.55 %). The remaining broad habitat categories comprise <1% of the habitats in Section E and include heathland and shrub (0.18 %), sparsely vegetated land (0.07 %), lakes (0.02 %), and watercourse footprint (0.06 %).

4.1.21 The following HPI are present within Section E:

- Lowland mixed deciduous woodland (3.13 ha)
- Arable field margins (1.50 ha)
- Ponds (priority habitat) (0.04 ha).

4.1.22 There are no statutory designated sites that fall within the baseline of Section E. There is one non-statutory designated site within the baseline for Section E: Coggeshall Hall Farm LWS.

Section F

4.1.23 Section F extends from Fuller Street to A12 south of Chelmsford. The Section F baseline measures approximately 242.27 ha and are predominantly characterised by cropland (occupying approximately 84.51 %), grassland (11.39 %), urban (2.20 %) and woodland (1.44 %). The remaining broad habitat categories comprise <1% of the habitats in Section F and include heathland and shrub (0.34 %), sparsely vegetated land (0.07 %) watercourse footprint (0.04 %) and lakes (0.01 %).

4.1.24 The following HPI are present within Section F:

- Arable field margins (7.04 ha)
- Lowland mixed deciduous woodland (2.83 ha)
- Ponds (priority habitat) (0.02 ha).

4.1.25 There are no statutory designated sites that fall within the baseline of Section F. There are two non-statutory designated sites within the baseline for Section F:

- Great/Little Edney Woods LWS
- Langleys Deer Park LWS.

Section G

4.1.26 Section G extends from A12 south of Chelmsford to Basildon. The Section G baseline measures approximately 172.81 ha and are predominantly characterised by cropland (occupying approximately 53.69 %), grassland (40.21 %), urban (2.43 %), woodland (2.21 %) and heathland and scrub (0.71 %). The remaining broad habitat categories comprise <1 % of the habitats in Section G and include sparsely vegetated land (0.41 %), lakes (0.18 %), and watercourse footprint (0.14 %).

4.1.27 The following HPI are present within Section G:

- Lowland mixed deciduous woodland (3.23 ha)
- Arable field margins (0.42 ha)
- Ponds (priority habitat) (0.07 ha)
- Wet woodland (0.02 ha).

4.1.28 There are no statutory designated sites that fall within the baseline of Section G. There is one non-statutory designated site within the baseline for Section G: St Margarets Wood and Lane LWS.

Section H

4.1.29 Section H extends from Basildon to Tilbury. The Section H baseline measures approximately 252.59 ha and are predominantly characterised by cropland (occupying approximately 71.78 %), grassland (15.77 %), urban (6.15 %), heathland and scrub (2.02 %), woodland (2.21 %) and sparsely vegetated land (2.02 %). The remaining broad habitat categories comprise <1 % of the habitats in Section H and include lakes (0.03 %), and watercourse footprint (0.01 %).

4.1.30 The following HPI are present within Section H:

- Lowland dry acid grassland (1.61 ha)
- Lowland mixed deciduous woodland (1.97 ha)
- Lowland meadows (0.71 ha)
- Open mosaic habitats on previously developed land (0.58 ha)
- Ponds (priority habitat) (0.07 ha).

4.1.31 There are no statutory designated sites within the baseline for Section H.

4.1.32 There are five non-statutory designated sites within the baseline for Section H.

- Blackshots Nature Area LWS
- Buckingham Hill LWS
- Linford Pit LWS
- Mucking Heath Complex, Southfields LWS
- Rainbow Wood and Ashen Shaw LWS.

Overview Baseline Hedgerows

4.1.33 The ‘maximum construction boundary’ includes 74.17 km of linear habitat generating a total of 699.49 BU for linear habitats. The ‘Order Limit Hedgerows’ includes 31.37 km of linear habitat generating a total of 309.74 BU.

4.1.34 Table 4.2 provides a summary of hedgerow / line of trees types present within the Project baseline.

Table 4.2 Hedgerow lengths and Biodiversity Units within the baseline

UK Habitat Type	Length (km) (maximum construction boundary)	Length (km) (Order Limit Hedgerows)	Biodiversity Units (BU) (maximum construction boundary)*	Biodiversity Units (BU) (Order Limit Hedgerows)*
Native hedgerow	24.84	9.06	107.41	40.89
Native hedgerow - associated with bank or ditch	6.51	3.31	68.80	36.06
Native hedgerow with trees	8.67	3.60	80.08	33.36
Native hedgerow with trees - associated with bank or ditch	10.19	4.64	149.46	63.82
Species-rich native hedgerow	1.96	0.44	20.36	4.96
Species-rich native hedgerow - associated with bank or ditch	3.34	1.84	58.86	30.96
Species-rich native hedgerow with trees	3.47	1.85	55.38	28.26
Species-rich native hedgerow with trees - associated with bank or ditch	5.68	2.38	121.26	53.38
Ecologically valuable line of trees	1.57	1.01	12.88	7.88
Ecologically valuable line of	0.80	0.40	6.23	2.45

UK Habitat Type	Length (km) (maximum construction boundary)	Length (km) (Order Limit Hedgerows)	Biodiversity Units (BU) (maximum construction boundary)*	Biodiversity Units (BU) (Order Limit Hedgerows)*
trees - associated with bank or ditch				
Line of trees	5.47	1.70	13.79	4.28
Line of trees - associated with bank or ditch	1.56	1.11	4.88	3.42
Non-native and ornamental hedgerow	0.11	0.03	0.11	0.03
Totals	**74.17**	**31.37**	**699.49**	**309.74**

**Exact numbers have been taken from the statutory metric spreadsheet which contains calculations to more than two decimal places.*

Overview Baseline Watercourses

4.1.35 The 'maximum construction boundary' includes 23.27 km of watercourse habitat generating a total of 118.74 BU for linear habitats. Detailed descriptions of River Condition Assessments can be found within Appendix B of this report. Table 4.3 provides a summary of watercourse types present within the Project baseline.

Table 4.3 Watercourse length and Biodiversity Units within the baseline

UK Habitat Type	Length (km)	Biodiversity Units (BU)*
Culvert	0.19	0.26
Ditches	19.88	79.32
Priority habitat	3.20	39.16
Totals	**23.27**	**118.74**

**Exact numbers have been taken from the statutory metric spreadsheet which contains calculations to more than two decimal places.*

4.1.36 All baseline habitats are shown on Figure 7.7.1 UK Habitat Classification Map (pre-development baseline) in Appendix A.

4.2 Post-Development Biodiversity Net Gain

On-Site

Area Habitats

4.2.1 There would be an on-site -8.25% net loss of -526.99 Area Habitats BU as a result of the Project. Table 4.4 summarises the post-development calculations.

Table 4.4 Post-development Area Habitats

UK Broad Habitat Type	Area (ha)	Retained/ Enhanced/ Created	Biodiversity Units (BU)*
Cropland	758.46	Retained	1532.32
Cropland	994.02	Created	1671.93
Grassland	159.75	Retained	863.74
Grassland	4.92	Enhanced	35.16
Grassland	217.82	Created	933.48
Heathland and shrub	5.54	Retained	54.48
Heathland and shrub	1.20	Enhanced	10.39
Heathland and shrub	47.48	Created	277.52
Lakes	1.80	Retained	12.61
Lakes	0.06	Created	0.34
Sparsely vegetated land	5.50	Retained	22.98
Sparsely vegetated land	12.75	Created	51.92
Urban	27.34	Retained	6.98
Urban	103.83	Created	25.95
Woodland and forest	14.50	Retained	187.02
Woodland and forest	3.44	Enhanced	23.10
Woodland and forest	38.92	Created	150.11
Wetland	0.16	Retained	2.49
Wetland	0.01	Created	0.06
Watercourse footprint	1.22	Retained	0.00

UK Broad Habitat Type	Area (ha)	Retained/ Enhanced/ Created	Biodiversity Units (BU)*
Watercourse footprint	0.21	Created	0.00
Totals	**2398.93**	**-**	**5862.56**
On-site net unit change			**-526.99**

**Exact numbers have been taken from the statutory metric spreadsheet which contains calculations to more than two decimal places.*

Hedgerow Habitats

4.2.2 There would be an on-site 10% net gain of 69.96 BU as a result of the Project. Table 4.5 summarises the post-development calculations.

Table 4.5 Post-development hedgerows

UK Habitat Type	On-site Length (km)	Order Limits Hedgerows Length (km)	Retained/ Enhanced/ Created	Biodiversity Units (BU)*
Native hedgerow	3.59	2.59	Retained	37.12
Native hedgerow	12.69	6.47	Enhanced	105.60
Native hedgerow	8.04	0.00	Created	27.46
Native hedgerow - associated with bank or ditch	3.52	2.48	Retained	72.18
Native hedgerow - associated with bank or ditch	1.50	0.83	Enhanced	24.61
Native hedgerow - associated with bank or ditch	1.23	0.00	Created	8.34
Native hedgerow with trees	2.53	1.39	Retained	47.04
Native hedgerow with trees	3.90	2.21	Enhanced	64.57
Native hedgerow with trees	2.05	0.00	Created	10.43
Native hedgerow with trees - associated with bank or ditch	4.62	1.9	Retained	117.47

UK Habitat Type	On-site Length (km)	Order Limits Hedgerows Length (km)	Retained/ Enhanced/ Created	Biodiversity Units (BU)*
Native hedgerow with trees - associated with bank or ditch	3.79	2.74	Enhanced	100.47
Native hedgerow with trees - associated with bank or ditch	1.63	0.00	Created	12.41
Species-rich native hedgerow	0.92	0.36	Retained	15.36
Species-rich native hedgerow	0.37	0.08	Enhanced	5.06
Species-rich native hedgerow	6.91	0.00	Created	46.89
Species-rich native hedgerow - associated with bank or ditch	2.73	1.48	Retained	75.78
Species-rich native hedgerow - associated with bank or ditch	0.17	0.36	Enhanced	8.92
Species-rich native hedgerow - associated with bank or ditch	0.44	0.00	Created	4.48
Species-rich native hedgerow with trees	1.80	1.26	Retained	55.13
Species-rich native hedgerow with trees	0.70	0.59	Enhanced	18.99
Species-rich native hedgerow with trees	0.96	0.00	Created	7.32
Species-rich native hedgerow with trees - associated with bank or ditch	3.43	2.01	Retained	130.85
Species-rich native hedgerow with trees - associated with bank or ditch	1.29	0.37	Enhanced	32.60
Species-rich native hedgerow with trees - associated with bank or ditch	0.95	0.00	Created	9.73

UK Habitat Type	On-site Length (km)	Order Limits Hedgerows Length (km)	Retained/ Enhanced/ Created	Biodiversity Units (BU)*
Ecologically valuable line of trees	0.36	1.01	Retained	10.61
Ecologically valuable line of trees	1.21	0.00	Created	4.19
Ecologically valuable line of trees - associated with bank or ditch	0.17	0.40	Retained	3.83
Ecologically valuable line of trees - associated with bank or ditch	0.63	0.00	Created	2.14
Line of trees	1.16	1.70	Retained	7.11
Line of trees	3.88	0.00	Created	5.87
Line of trees - associated with bank or ditch	0.28	1.11	Retained	4.48
Line of trees - associated with bank or ditch	1.29	0.00	Created	2.04
Non-native and ornamental hedgerow	0.10	0.03	Retained	0.13
Non-native and ornamental hedgerow	0.01	0.00	Created	0.01
Totals	**78.85**			**1079.19**
On-site net unit change				**+69.96**

**Exact numbers have been taken from the statutory metric spreadsheet which contains calculations to more than two decimal places.*

Watercourse Habitats

4.2.3 There would be an on-site 10.65% net gain of 12.60 BU as a result of the Project. Table 4.6 summarises the post-development calculations.

Table 4.6 Post-development watercourses

UK Habitat Type	Length (km)	Retained/ Enhanced/ Created	Biodiversity Units (BU)*
Culvert	0.15	Retained	0.20
Culvert	0.04	Created	0.03
Ditches	9.60	Retained	39.64
Ditches	5.3	Enhanced	33.61
Ditches	4.00	Created	15.56
Priority habitat	3.64	Enhanced	40.06
Priority habitat	0.56	Created	2.27
Totals	**22.30**		**131.40**
On-site net unit change			**+12.60**

**Exact numbers have been taken from the statutory metric spreadsheet which contains calculations to more than two decimal places.*

Trading Rules

Very High Distinctiveness Habitats

4.2.4 To satisfy the BNG trading rules for very high distinctiveness habitats, priority should be given to losses with 'like for like' replacement. Very high distinctiveness habitats are highly threatened, internationally scarce habitats and losses cannot always be adequately provided for on a 'like-for-like' basis. Consultation with the relevant Local Planning Authority may be required to mitigate for any losses of very high distinctiveness habitats.

4.2.5 Table 4.7 illustrates the unit change for each very high distinctiveness habitat on-site.

Table 4.7 Very high distinctiveness trading summary

Habitat Group	Broad Habitat	Biodiversity Unit Change
Lowland dry acid grassland	Grassland	-79.74
Lowland meadows	Grassland	-4.13
Species rich native hedgerow with trees- associated with bank or ditch	Hedgerow	-1.47
Priority habitat	Watercourse	**+3.18**

High Distinctiveness Habitats

4.2.6 To satisfy the BNG trading rules for high distinctiveness habitats, their loss must be replaced by 'like for like' replacement. Table 4.8 illustrates the unit change for each high distinctiveness habitat on-site.

Table 4.8 High distinctiveness trading summary

Habitat Group	Broad Habitat	Biodiversity Unit Change
Floodplain wetland mosaic and CFGM	Grassland	-40.98
Ponds (Priority habitat)	Lakes	-0.29
Open mosaic habitats on previously developed land	Urban	-2.77
Reedbeds	Wetland	-0.08
Lowland mixed deciduous woodland	Woodland and forest	-206.98
Wet woodland	Woodland and forest	-0.42
Species rich native hedgerow with trees	Hedgerow	-2.20
Species rich native hedgerow – associated with bank or ditch	Hedgerow	-0.63
Native hedgerow with trees-associated with bank or ditch	Hedgerow	**+17.07**

Medium Distinctiveness Habitats

4.2.7 To satisfy the BNG trading rules for medium distinctiveness habitats, their loss must be replaced by the same broad habitat type, or a higher distinctiveness habitat type. Table 4.9 illustrates the unit change for each medium distinctiveness habitat.

Table 4.9 Medium distinctiveness trading summary

Habitat group	Broad Habitat	Biodiversity Unit Change	Cumulative Broad Habitat Change
Arable field margins cultivated annually	Cropland	-0.27	-3.09
Arable field margins game bird mix	Cropland	-2.80	
Arable field margins pollen and nectar	Cropland	-0.05	

Habitat group	Broad Habitat	Biodiversity Unit Change	Cumulative Broad Habitat Change
Arable field margins tussocky	Cropland	**+0.03**	
Other neutral grassland	Grassland	**+171.67**	**+170.95**
Other lowland acid grassland	Grassland	**-**0.72	
Blackthorn scrub	Heathland and shrub	-0.06	**+233.48**
Bramble scrub	Heathland and shrub	-5.62	
Hawthorn scrub	Heathland and shrub	-5.17	
Willow scrub	Heathland and shrub	-0.66	
Mixed scrub	Heathland and shrub	**+244.98**	
Other woodland; broadleaved	Woodland and forest	**+67.97**	**+65.54**
Other woodland; mixed	Woodland and forest	-2.43	
Species rich native hedgerow	Hedgerow	**+41.99**	-
Native hedgerow – associated with bank or ditch	Hedgerow	**+0.27**	-
Native hedgerow with trees	Hedgerow	**+8.59**	-
Ecologically valuable line of trees	Line of trees	-5.95	-
Ecologically valuable line of trees - associated with bank or ditch	Line of trees	-2.71	-
Ditches	Watercourse	**+9.49**	-

Low Distinctness Habitats

4.2.8 To satisfy trading rules for low distinctiveness habitats, any low distinctiveness habitats lost need to be replaced with a habitat of the same distinctiveness or higher. Table 4.10 presents the total units of low distinctiveness habitats.

Table 4.10 Low distinctiveness trading summary

Habitat Group	Broad Habitat	Biodiversity Unit Change	Cumulative Broad Habitat Change
Cereal crops	Cropland	-494.94	-616.82
Horticulture	Cropland	-0.15	
Intensive orchards	Cropland	-1.17	
Non-cereal crops	Cropland	-110.72	
Temporary grass and clover leys	Cropland	-1.43	
Winter stubble	Cropland	-8.43	
Modified grassland	Grassland	-71.64	-
Ornamental lake or pond	Lakes	-0.01	-
Ruderal/ephemeral	Sparsely vegetated land	-9.20	**+ 31.96**
Tall forbs	Sparsely vegetated land	**+41.16**	
Bare ground	Urban	-8.96	-2.07
Introduced shrub	Urban	-0.02	
Actively worked sand pit quarry or open cast mine	Urban	-4.20	
Sustainable drainage system	Urban	**+20.22**	
Vacant or derelict land	Urban	-9.06	
Vegetated garden	Urban	-0.03	
Other coniferous woodland	Woodland and forest	**+0.09**	-
Native hedgerow	Hedgerow	**+21.88**	-
Line of trees	Line of trees	-5.10	-6.88

Habitat Group	Broad Habitat	Biodiversity Unit Change	Cumulative Broad Habitat Change
Line of trees – associated with bank or ditch	Line of trees	-1.78	
Culvert	Watercourse	-0.02	-

4.2.9 All post-development habitats are shown on Figure 7.7.2 UK Habitat Classification Map (post-development) in Appendix A.

5. Proposed On-site Habitat Creation and Enhancement

On-Site Replacement Planting

5.1.1 Replacement planting will be undertaken for all area habitats where temporary impacts have occurred. This will include replacing the same habitat type in the same habitat condition, as was determined to be present during the baseline assessment following the completion of works.

5.1.2 All replacement planting, where the habitat type and condition would be returned to the baseline, has been included within the BNG metric as 'created' based on the assumptions that habitats may be replaced more than 2 years after their removal. Project elements that include replacement planting are temporary in nature and include:

- Temporary pylon locations
- Temporary work areas
- Laydown areas
- Temporary drainage
- Temporary access routes including haul roads.

Hedgerows

5.1.3 On completion of works, all affected hedgerows would be re-instated and would be enhanced by one condition level (i.e. poor to moderate or moderate to good). The exception to this is where hedgerows were already in good condition at baseline stage and they will be re-instated back to good condition. This enhancement is applicable to both the section of directly affected hedgerow and the rest of the same hedgerow up to the extent of the Order Limits.

5.1.4 Following a review of the condition assessment criteria for hedgerows, at least one of the following measures will be required to increase the relevant condition by one level dependent on the specific hedgerow:

- Gap filling of hedgerows using native species of the same composition as the retained hedgerows, or
- Remove damaging features from hedgerows (i.e. manure piles, rubble).

Watercourses

5.1.5 On completion of works, and the removal of any temporary culverts/bridges, all watercourses within the maximum construction boundary will be re-instated and enhanced to one condition higher than their baseline value (e.g. poor to moderate or moderate to good). The exception to this is where the priority watercourse is already in good condition at the baseline stage and will therefore be re-instated to good condition. This enhancement is applicable to both the section of affected watercourse

and the rest of the same watercourse up to the extent of the maximum construction boundary.

5.1.6 Following a review of the MoRPh assessment criteria for priority habitats, at least one of the following measures will be required to increase the relevant condition by one level dependent on the specific priority watercourse:

- Removal of invasive plant species (mainly Himalayan balsam)
- Bank top tree, shrub, grass and herb planting
- Marginal and aquatic vegetation seeding/ planting (emergent, sub-merged and floating), or
- Removal of any large rubbish in watercourses (when applicable).

5.1.7 All re-instated ditches within the 'maximum construction boundary' that were in moderate or good condition at baseline stage, will be re-instated to their baseline condition. Where re-instated ditches were in poor or fairly-poor baseline condition, these will be enhanced to moderate condition. This enhancement is applicable to both the section of directly affected ditch and the rest of the same ditch up to the extent of the maximum construction boundary.

5.1.8 After reviewing the condition assessments for ditches, at least one of the following measures are required to increase conditions to moderate:

- Marginal and aquatic vegetation seeding/ planting (emergent, sub-merged and floating)
- Removal of invasive plant species, or
- Removal of filamentous algae and duckweed (where applicable).

Management of Replacement Habitats

5.1.9 On completion of the Project construction, land would be returned to the landowner across the majority of the length of the alignment and the expectation would be for it to return to previous long-term management. A commitment to a five-year monitoring / management of all tree, hedgerow and aquatic planting on-site would be included within the DCO, as per the Outline LEMP (document reference 7.4).

Environmental Areas (On-Site Habitat Creation/Enhancements)

5.1.10 Following consent of the DCO, National Grid would own the Environmental Areas and therefore would be responsible for maintaining the habitats on-site for a period of up to 30 years. These areas would provide landscape and visual mitigation, as well as offering ecological value, contributing towards the overall BNG and wider environmental and societal benefits. Table 5.1 summarises the indicative landscape proposals at each Environmental Area. Illustrative landscape plans have been developed and are included in Appendix A.

Table 5.1 Landscape proposals for Environmental Areas

Environmental Area	Description
Land around Norwich Main Substation	The landscape drawing is shown in drawing 12055-LUC-XX-XX-DR-L-0001 Norwich Substation Landscape Proposals. The landscape mitigation proposals include: • Retention of existing vegetation to the north, south and west of the substation, re-instatement of vegetation removed to accommodate the haul road to the south of the substation and enhancement with supplementary tree and shrub planting • Proposed deciduous woodland with scrubby woodland edge to expand existing woodland to the west of the substation extension • Proposed native hedgerows with native trees to existing field boundaries • Proposed neutral grassland over existing and proposed underground cables and below existing and proposed overhead lines.
Land around EACN Substation	The landscape drawing is shown in drawing 12055-LUC-XX-XX-DR-L-0003 EACN Substation Landscape Proposals. The landscape mitigation proposals include: • Retention of existing vegetation where practicable, including retention and protection of mature shelterbelts in the east of the Order Limits and mature trees along Grange Road • Proposed deciduous woodland with scrubby woodland edge in the east of the Order Limits, to expand woodland habitat and provide further filtering/screening of views towards the EACN Substation from the east • Use of spoil material to create subtle landforms north-west and south-west of the EACN Substation, which blend into the existing topography and contribute to screening of the EACN Substation for local residential properties. Landforms would be a maximum height of 3 m with a maximum gradient of 1:3. The spoil bunds will be planted with deciduous woodland and scrubby woodland edge to expand woodland habitat and provide further filtering/screening of views • Proposed native hedgerows with native trees to existing field boundaries, including along the north side of Ardleigh Road • Proposed native scrub with trees to provide variety in vegetation cover and to provide further filtering/screening of views • Proposed neutral grassland over proposed underground cables and below existing and proposed overhead lines • Retention of a temporary attenuation pond to create a wetland habitat to introduce habitat diversity.

Environmental Area	Description
Land around Wenham Grove CSE Compound	The landscape drawing is shown in drawing 12055-LUC-XX-XX-DR-L-0006 Wenham Grove CSE Compound Landscape Proposals The landscape mitigation proposals include: • Retention of existing vegetation where practicable, including retention and protection of woodland at Wenham Grove and south of the former railway line • Proposed deciduous woodland with scrubby woodland edge to expand and connect existing woodland habitat and provide further filtering/screening of views towards the CSE compound from the south and east • Proposed native scrub with trees to provide variety in vegetation cover and to provide further filtering/screening of views • Use of spoil material to create a subtle landform south-east of the CSE compound, which blends into the existing topography and contributes to screening of the CSE compound. Landforms would be a maximum height of 3 m with a maximum gradient of 1:3. The spoil bund will be planted with deciduous woodland to expand woodland habitat and provide further filtering/screening of views • Proposed native hedgerows with native trees to existing field boundaries, including to the north and west of the CSE compound and along the permanent access from the east • Proposed neutral grassland over proposed underground cables and below existing and proposed overhead lines.
Land around Great Horkesley (EACN Side) CSE Compound	The landscape drawing is shown in drawing 12055-LUC-XX-XX-DR-L-0007 Great Horkesley (EACN Side) CSE Compound Landscape Proposals The landscape mitigation proposals include: • Retention of existing vegetation where practicable, including retention and protection of the Horkesley Plantation south-west of the CSE compound • Proposed deciduous woodland with scrubby woodland edge to expand and connect existing woodland habitat and provide further filtering/ screening of views towards the CSE compound • Proposed native scrub with trees to provide variety in vegetation cover and to provide further filtering/screening of views • Use of spoil material to create a subtle landform south of part of the Essex Way, which blends into the existing topography and contributes to screening of the CSE compound from the Essex Way. Landforms would be a maximum height of 3 m with a maximum gradient of 1:3 • Proposed native hedgerows with native trees to existing field boundaries, including along the south side of Broad Lane/ the Essex Way, north of the CSE compound

Environmental Area	Description
	• Proposed neutral grassland over proposed underground cables and below proposed overhead lines.
Land around Great Horkesley (Tilbury Side) CSE Compound	The landscape drawing is shown in drawing 12055-LUC-XX-XX-DR-L-0008 Great Horkesley (Tilbury Side) CSE Compound Landscape Proposals The landscape mitigation proposals include: • Retention of existing vegetation where practicable, including woodland along the watercourses to the north and west of the CSE compound • Proposed deciduous woodland with scrubby woodland edge to expand and connect existing woodland habitat and provide further filtering/screening of views towards the CSE compound from the north and west • Proposed native scrub with trees to provide variety in vegetation cover and to provide further filtering/screening of views • Use of spoil material to create a subtle landform in the north-west, which blends into the existing valley topography and contributes to screening of the CSE compound from the north-west. Landforms would be a maximum height of 3 m with a maximum gradient of 1:3 • Proposed native hedgerows with native trees to existing and historic field boundaries, including along Crabtree Lane to the east of the CSE compound • Proposed neutral grassland over proposed underground cables and below proposed overhead lines.
Land around Fairstead (EACN Side) and Fairstead (Tilbury Side) CSE Compounds	The landscape drawing is shown in drawing 12055-LUC-XX-XX-DR-L-0009 Fairstead (EACN Side) and Fairstead (Tilbury Side) CSE Compounds Landscape Proposals The landscape mitigation proposals include: • Retention of existing vegetation where practicable, including field boundary hedgerows and mature hedgerow trees and a small block of woodland • Proposed deciduous woodland with scrubby woodland edge to expand and connect existing habitats and provide further filtering/ screening of views towards the CSE compounds • Proposed native scrub with trees to provide variety in vegetation cover and to provide further filtering/screening of views • Use of spoil material to create subtle landforms north-east of the CSE compounds, which blend into the existing topography and contribute to screening of the CSE compounds from the north-east. Landforms would be a maximum height of 3 m with a maximum gradient of 1:3

Environmental Area	Description
	• Proposed native hedgerows with native trees to the western edge of the Order Limits and to the south of the CSE compounds • Proposed native hedgerow offset from an existing hedgerow to the north to create a 'green lane' for the existing bridleway which will help to filter and screen views towards the CSE compounds • Proposed neutral grassland over proposed underground cables and below proposed overhead lines.
Land around Tilbury North Substation and Tilbury North (Warley Side) and Tilbury North (Tilbury Side) CSE Compounds (with Lower Thames Crossing)	The landscape drawing is shown in drawing 12055-LUC-XX-XX-DR-L-0012 Tilbury North Substation and CSE Compounds (with LTC) Landscape Proposals. The landscape mitigation proposals include: • Retention of existing vegetation where practicable, including retention and protection of ancient woodland • Proposed deciduous woodland with scrubby woodland edge, to expand and connect into existing woodland habitats and provide further filtering/screening of views towards the Tilbury North Substation and Tilbury North (Warley Side) and Tilbury North (Tilbury Side) CSE Compounds from the west • Use of spoil material to create subtle landforms which blend into the existing topography. Landforms would be a maximum height of 3 m with a maximum gradient of 1:3. The spoil bunds will be planted with deciduous woodland and scrubby woodland edge to expand woodland habitat and provide further filtering/screening of views • Proposed native hedgerows with native trees to existing field boundaries • Proposed native scrub with trees to provide variety in vegetation cover and to provide further filtering/screening of views • Proposed neutral grassland over proposed underground cables and below existing and proposed overhead lines • If space allows, following detailed design, there will also be planting to the north-west and east of Tilbury North Substation, and linear planting along Bentley Road.

6. Proposed Off-site Habitat Creation and Enhancement

Off-Site Habitat Creation / Enhancements

6.1.1 While every effort has been made to deliver the required BNG through replacement planting and on-site mitigation through habitat creation and enhancement, given the scale and nature of the Project, +10% BNG is not achievable within the Project. This Project is mostly routed across third party land and the infrastructure allows permanent retention of the original habitat) often grazing and arable) within the Order Limits, above underground cables and below overhead lines. NPS EN-1 sets out that BNG 'can be delivered onsite or wholly or partially off-site' (paragraph 4.6.11) and directs that when delivering biodiversity net gain off-site, developments should do this in a manner that best contributes to the achievement of relevant wider strategic outcomes, for example by increasing habitat connectivity, enhancing other ecosystem service outcomes, or considering use of green infrastructure strategies (paragraph 4.6.12).

6.1.2 In accordance with policy, off-site habitat creation and enhancement at a registered habitat bank, carried out by a third party, will be used to ensure that an overall +10% BNG with wider environmental and societal benefits would be achieved. Biodiversity is not physically bound by Local Planning Authority boundaries and therefore a holistic approach is proposed for any off-site habitat creation and/or enhancements, with the aim to deliver a biodiversity legacy ideally in each of the three counties crossed by the Project (Norfolk, Suffolk and Essex).

6.1.3 Off-site locations chosen to deliver the necessary off-site biodiversity units will be chosen based on National Grid's carefully considered selection criteria. The selection criteria will take into account (amongst other criteria), the habitat type and condition required, the location in proximity to the Order Limits, the delivery partner's credibility and proven experience in delivery, cost per unit, timeframes and will also consider sites that provide added value in the form of additional societal and environmental benefits.

6.1.4 NPS EN-1 sets out that 'In addition to delivering biodiversity net gain, development may also deliver wider environmental gains and benefits to communities relevant to the local area and to national priorities, such *as:*

- Reductions in GHG emissions
- Reduced flood risk
- Improvements to air or water quality
- Climate adaptation
- Landscape enhancement
- Increased access to natural greenspace, or
- The enhancement, expansion or provision of trees and woodlands.' (paragraph 4.6.11).

6.1.5 Sites that provide wider environmental and societal benefits (natural capital) will be a significant consideration in the site selection process, in accordance with NPS EN-1.

6.1.6 Offsite BNG will be delivered through collaboration with partners and purchased from commercially registered providers. National Grid has been engaging in productive discussions with Norfolk, Suffolk and Essex Wildlife Trusts regarding the provision of off-site BNG units for the Project.

6.1.7 In particular, discussions are currently taking place with the Waveney and Little Ouse Recovery (WaLOR) scheme (Suffolk Wildlife Trust, 2025), a landscape recovery scheme which is located in the same geographic area as the Project. The WaLOR scheme is seeking to deliver a number of BNG units and National Grid have discussed the opportunity to acquire approximately 600 area habitat units. This could comprise a mixture of woodland, other neutral grassland as well as the potential to deliver wetland mosaic habitats. The final mix of units and location will be explored as the WaLOR scheme develops. Suffolk Wildlife Trust have also identified Market Weston Fen a habitat bank in Suffolk that comprises mixed scrub and other neutral grassland. National Grid is currently in discussion with both parties to sign an Expression of Interest and updated details will be provided accordingly.

6.1.8 Essex Wildlife Trust have issued a letter to National Grid confirming that they are happy to assist with the requirement of approximately 400 units in Essex, which include other neutral grassland, mixed scrub, individual trees and acid grassland. National Grid will continue to work with Essex Wildlife Trust to identify potential sites as the Project progresses.

6.1.9 National Grid is continuing these discussions with the Wildlife Trusts and other third parties in regard to securing the off-site units through a legal agreement (unilateral undertaking under s.106 of the Town and Country Planning Act 1990), and progress on such discussions will be provided accordingly.

7. Conclusion

7.1.1 There is currently no legislative requirement for BNG in respect of NSIPs; as such there is also no guidance for the application and delivery of BNG for NSIPs. Current guidance for BNG assessments has been developed for the mandatory TCPA framework. In the absence of specific BNG guidance relating to NSIPs, this assessment has followed most of the principles and rules of the TCPA guidance documentation where appropriate, as agreed with Natural England.

7.1.2 This assessment represents an initial calculation based on the current stage of the Project and would be updated and refined at key milestones to further develop the forecast for net biodiversity change. Updates to the assessment would be made based on refinement of the Project design and construction information, including the habitat impacted/avoided and construction timetable and development of the Final LEMP, to be developed by the Main Works Contractor(s). As the Project is developed, opportunities would be sought to further apply the mitigation hierarchy and to increase the distinctiveness and condition of the habitats created.

7.1.3 The Project is predicted to result in an on-site net loss -8.25% for area habitat units, a net gain in hedgerow units of 10% and net gain in watercourse units of 10.04%. Table 7.1 details the additional units required to achieve a 10% gain in area habitats.

Table 7.1 Summary of Biodiversity Units for the Project

Habitat Type	Baseline*	Post-Development*	Combined Net Unit Change*	Total Net % Change	Offsite BU Deficit Required to Achieve 10% BNG*
Area Habitat Units	6389.56	5862.56	-526.99	-8.25%	1165.95
Hedgerow Units	1009.23	1079.22	+69.97	**+10.00%**	0.00
Watercourse Units	118.74	131.40	+12.60	**+10.65**	0.00

**Exact numbers have been taken from the statutory metric spreadsheet which contains calculations to more than two decimal places.*

7.1.4 The outputs of the metric depend on all retained, created and enhanced habitats meeting the target conditions, subject to the criteria outlined within the Statutory Biodiversity Metric: User Guide (Defra, 2024a). The Outline LEMP (document reference 7.4) sets out the assumptions for retained, created and enhanced habitats. Further detail on habitat management and monitoring for the Environmental Areas will be set out within the Final LEMP post consent.

7.1.5 While every effort has been made to deliver the committed to 10% BNG through replacement planting and on-site habitat creation/enhancement, given the scale and nature of the Project, +10% BNG is not fully achievable within the Order Limits. The BNG deficit for area habitats of 1165.95 BU, will be delivered through off-site habitat creation and enhancement at registered habitat banks, to ensure that an overall +10% BNG with wider environmental and societal benefits would be achieved.

Abbreviations

Abbreviation	Term
AIS	Air Insulated Switchgear
AONB	Area of Natural Beauty
BNG	Biodiversity Net Gain
BU	Biodiversity Unit
CFGM	Coastal Floodplain Grazing Marsh
CIEEM	Chartered Institute of Ecology and Environmental Management
CIRIA	Construction Industry Research and Information Association
CSE	Cable Sealing End
CWS	County Wildlife Site
DCO	Development Consent Order
Defra	Department for Environment, Food and Rural Affairs
EACN	East Anglia Connection Node
EELS	Environmental education, learning and skills
ES	Environmental Statement
ESRI	Environmental Systems Research Institute
FGDB	File Geodatabase
GIS	Geographic Information Systems
HPI	Habitat of Principle Importance
IEMA	Institute of Environmental Management and Assessment
LEMP	Landscape and Ecological Management Plan
LNRS	Local Natural Recovery Strategy
LoD	Limit of Deviation
LTC	Lower Thames Crossing
LWS	Local Wildlife Site
MoRPh	Modular River surveys
NSIP	Nationally Significant Infrastructure Project
OS	Ordnance Survey
RCA	River Condition Assessment

Abbreviation	Term
RIIO	Revenue = Incentives + Innovation + Outputs
RNR	Roadside Nature Reserve
SSSI	Site of Special Scientific Interest
TCPA	Town and Country Planning Act
UKPN	UK Power Networks

Glossary

Term	Definition
Ancient Woodland	Land that has been continually wooded since at least 1600 in England. Regarded as ‘irreplaceable habitat’ in national planning guidance. Ancient woodland greater than 2 ha is recorded on the Natural England Ancient Woodland Inventory.
Area-based habitat	Habitats recorded in the biodiversity metric tool in area (hectares).
Baseline Habitats	The exiting habitats present on a development site before works begin.
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 Units	Biodiversity units are used to describe relative biodiversity value. There are three types of biodiversity units: area habitat units, hedgerow units and watercourse units. Each of these are calculated in separate ‘modules’ of the biodiversity metric.
Cable	An insulated conductor designed for underground installation.
Cable Sealing End Compound	Electrical infrastructure used as the transition point between overhead lines and underground cables. A compound on the ground acts as the principal transition point.
Condition Assessment	The process of assigning habitat condition, to be undertaken by a competent person.
County Wildlife Site	Non-statutory designated areas of land important for their wildlife and nature conservation value.
Distinctiveness	A measure based on the type of habitat and its distinguishing features. This includes: consideration of species richness and rarity the extent to which the habitat is protected by designations the degree to which a habitat supports species rarely found in other habitats.
Ecosystem	A dynamic complex of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit.
Environmental Area	Multi-functional areas which will provide on-site mitigation or enhancements for the environment including biodiversity gains and landscape mitigation.
Habitat	The natural home or environment of an animal, plant, or other organism.
Habitat Creation (in relation to the Statutory metric)	The process of establishing new natural habitats on land where they didn’t previously exist.

Term	Definition
Habitat Enhancement (in relation to the Statutory metric)	The improvement in ecological condition of existing habitats to increase their biodiversity value.
Habitat of Principal Importance	A habitat which has been deemed to be of principal importance for the purpose of conserving biodiversity, currently adopted under Section 41 of the Natural Environment and Rural Communities Act 2006, formerly listed in the UK Biodiversity Action Plan.
Haul Road	A road used by construction traffic within the Order Limits to access a working area from a site access point.
Invasive non-native species	An invasive non-native species is any non-native animal or plant that can spread, causing damage to the environment, the economy, health, and way of life.
Irreplaceable Habitat	Irreplaceable habitats (as provided for in Biodiversity Gain Requirements (Irreplaceable Habitat) Regulations 2024) are technically very difficult to recreate once destroyed (or recreation would take a significant amount of time).
Limits of Deviation (LoD)	LoD allow for adjustment to the final positioning of the permanent features, for example to avoid localised constraints or unknown or unforeseeable issues that may arise. This could include previously unidentified poor ground conditions which require a pylon to be moved slightly for geotechnical reasons, such as ground stability. The horizontal LoD define the parameters within which the position on the ground of proposed permanent features may deviate from the position shown on the plans. This applies to both linear (for example overhead lines and underground cables) and non-linear (for example the new EACN Substation and CSE compounds) proposed infrastructure. Vertical LoD limit the maximum vertical height, or the depth below ground, of any new infrastructure.
Linear Habitat	Habitats recorded in the biodiversity metric according to length (kilometres) instead of area (hectares). This includes habitats in the hedgerow and watercourse modules. It's taken as a centre line measurement along the length of the feature.
Local Nature Recovery Strategy	A system of spatial strategies for nature recovery in England, introduced under the Environment Act 2021.
Local Nature Reserve	Sites dedicated by the local authority under Section 21 of the National Parks and Access to the Countryside Act 1949 for nature conservation which have wildlife or geological features that are of special interest locally.
Local Planning Authority	The public authority whose duty it is to carry out specific planning functions for a particular area.

Term	Definition
Local Wildlife Site	Non-statutory designated areas of land important for their wildlife and nature conservation value.
Maximum Construction Area	The ‘maximum construction area’ includes all works areas but excludes land within the Order Limits that is not directly affected based on the design presented in the DCO application.
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.
Modular River Survey	A field-based method used to assess the physical habitat condition of rivers and streams.
On-site (in relation to BNG)	On-site refers to the land within the Maximum Construction Area.
Off-site (in relation to BNG)	Off-site, for the purposes of the biodiversity metric tool, refers to land outside of the on-site boundary, which is dedicated to habitat interventions (habitat enhancement or creation), regardless of proximity or ownership.
Order Limits	The maximum extent of land within which the authorised development may take place.
Overhead Line	Conductor (wire) carrying electric current, strung from pylon to pylon.
Post-development Habitats	The habitats which will exist on a site after development is completed.
Priority Species	Species identified as of principal importance in England, in accordance with requirements of the Natural Environment and Rural Communities Act 2006. These are based on the UK Biodiversity Action Plan Priority Species.
Retained Habitat	Existing natural features that will be preserved during and after construction.
River Condition Assessment	A structured method used to evaluate the ecological and physical health of a river or stream.
Roadside Nature Reserve	Non-statutory designated areas of land important for their wildlife and nature conservation value.
Sites of Special Scientific Interest	SSSIs are protected by law under the Wildlife and Countryside Act 1981. They are important because they support rare or endangered fauna and flora, and they represent the United Kingdom’s best wildlife and geological sites.
Species	A group of living organisms consisting of similar individuals capable of exchanging genes or interbreeding.

Term	Definition
Statutory Metric	An official tool developed by Defra (Department for Environment, Food & Rural Affairs) to quantify changes in biodiversity value resulting from land development in England.
Strategic Significance	The local significance of the habitat based on its location and the habitat type.
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.
Trading Rules	A crossing installation method that has limited above-ground disturbance which is used to avoid a sensitive feature such as an environmental feature.
UK Power Networks	UK Power Networks (Operations) Limited (registered company number 03870728) and/or its affiliate Eastern Power Networks plc (registered company number 02366906) as applicable.
UK Habitat Classification	A comprehensive system used to identify, map, and assess habitats across the United Kingdom.
Underground Cabling	An insulated conductor carrying electric current designed for underground installation. Underground cables link together two Cable Sealing End compounds.

Bibliography

APEM (2022) Digital surface model (DSM) tiles, Digital terrain model (DTM) tiles, Ortho-mosaic tiles, and tree crown mapping. Delivered in seven spatial sections with 3cm resolution.

Babergh District Council and Mid Suffolk District Council (2023) *Babergh and Mid Suffolk Joint Local Plan- Part 1* [online]. Available at: babergh-and-mid-suffolk-joint-local-plan-part-1-nov-2023 (midsuffolk.gov.uk) Accessed July 2025

Basildon Council (2007) Basildon District Local Plan Saved Policies [online] Available at: Basildon District Local Plan Saved Policies - September 2007. Accessed July 2025

Biodiversity Gain Requirements (Irreplaceable Habitat) Regulations (2024) (SI. 48). Available at: https://www.legislation.gov.uk/uksi/2024/48/contents/made. Accessed July 2025

Braintree District Council (2022) The Braintree District Local Plan 2013- 2033 Section 2 [online] Available at: Braintree District Local Plan 2033 – Local Plan 2033 – Braintree District Council. Accessed July 2025

Brentwood Borough Council (2022) Brentwood Local Plan 2016-2033 [online] Available at: Brentwood+Local+Plan+2016-2033+Adopted+March+2022.pdf. Accessed July 2025

Cartographer Studios Ltd (2012). Cartographer.

Chelmsford City Council (2020) Chelmsford Local Plan Our Planning Strategy 2013 to 2036 [online]. Available at: chelmsford-local-plan-may-2020-includes-a1-plans.pdf. Accessed July 2025

Colchester City Council (2022) Colchester City Local Plan 2017-2033 Section 2 [online] Available at: CBC-null-section-2-local-plan-update-Colchester Borough Council Local Plan 2017-2033 Section 2 Final.pdf (cbccrmdata.blob.core.windows.net). Accessed July 2025

CIEEM, IEMA, CIRIA (2024) Mandatory Biodiversity Net Gain in England: Technical Guide. Available at: BNG-Technical-Guide-2024-1.pdf. Accessed July 2025

CIEEM, CIRIA, IEMA. (2019) *Biodiversity Net Gain. Good Practice principles for development. A practical guide* [online] Available at: https://cieem.net/wp-content/uploads/2019/02/C776a-Biodiversity-net-gain.-Good-practice-principles-for-development.-A-practical-guide-web.pdf [Accessed: July 2024]

Department for Energy Security and Net Zero (2024a) Overarching National Policy Statement for Energy (EN-1) Available at: EN-1 Overarching National Policy Statement for Energy Accessed July 2025

Department for Energy Security and Net Zero (2024b) National Policy Statement for Electricity Networks Infrastructure (EN-5) Available at: Electricity Networks National Policy Statement - EN-5 Accessed July 2025

Department for Environment, Food and Rural Affairs (2024a) *The statutory biodiversity metric: user guide.*

Department for Environment, Food and Rural Affairs (2024b) *The statutory biodiversity metric - Technical Annex 1: Condition Assessment Sheets and Methodology.*

Electricity Act (1989) (c. 29). Available at: https://www.legislation.gov.uk/ukpga/1989/29/contents. Accessed July 2025

Environmental Act (2021) (c. 43). Available at: https://www.legislation.gov.uk/ukpga/1990/43/contents. Accessed July 2025

Environmental Audit Committee (2021) *Biodiversity in the UK: bloom or bust?* Available at: https://committees.parliament.uk/publications/6498/documents/70656/default/. Accessed July 2025

Essex County Council (2024) *Essex Local Nature Recovery Strategy (LNRS) (draft).* Available at: Essex Local Nature Recovery Strategy (LNRS) Public Consultation - Essex County Council - Citizen Space. Accessed July 2025

Google Earth (2023) *Google Earth Pro.* Version 7.

Gurnell, A. M., England, J., Scott, S. J. and Shuker, L. J. (2024) *A GUIDE TO ASSESSING RIVER CONDITION: Part of the Rivers and Streams Component of the Biodiversity Metric Watercourse Module for calculating Biodiversity Net Gain.* Queen Mary University of London; Cartographer Studios; Environment Agency; Thames21; University of Northampton; Cranfield University, cbec eco-engineering UK Ltd.

HM Government (2018) *A Green Future: Our 25 Year Plan to improve the Environment.* Available at: 25-year-environment-plan.pdf (publishing.service.gov.uk) Accessed July 2024

MAGIC (2024) *MAGIC Interactive Mapping Application.* [online] Available at: http://www.magic.gov.uk/MagicMap.aspx Accessed September 2024

Ministry of Housing, Communities and Local Government (2025) *National Planning Policy Framework.* Available at: https://assets.publishing.service.gov.uk/media/67aafe8f3b41f783cca46251/NPPF_December_2024.pdf. Accessed July 2025

National Grid (2016) National Grid's commitments when undertaking works in the UK: Our stakeholder, community and amenity policy. National Grid; London

National Grid (2019) National Grid Electricity Transmission's Business Plan 2021–2026. Available at: https://www.nationalgrid.com/electricity-transmission/document/131776/download. Accessed July 2025

National Grid (2021) Our 2021-2026 Environmental Action Plan. National Grid; London

National Grid (2024a) National Grid Electricity Transmission's Business Plan 2026-2031. Available at: https://www.riiot3.nationalgrid.com/document/30069/download. Accessed July 2025 National Grid (2024b) RIIO-T3 Environmental Action Plan. National Grid; London

National Library of Scotland (2024). Ordnance Survey Maps. Available at: Ordnance Survey Maps - Map Images - National Library of Scotland

Natural England (2023) *Priority Habitats Inventory (England)*. [online] Available at: https://www.data.gov.uk/dataset/4b6ddab7-6c0f-4407-946e-d6499f19fcde/priority-habitats-inventory-england Accessed September 2023

Natural England (2024) *Norwich to Tilbury BNG: Natural England Consultation Letter subject: Norwich to Tilbury – The Great Grid Upgrade Biodiversity Net Gain Assessment Strategy V1.0, dated 05 November 2024.*

Norfolk County Council (2025) Norfolk Local Nature Recovery Strategy Public Consultation draft. Available at: Local Nature Recovery Strategy public consultation - Norfolk County Council

North Essex Authorities (2021) North Essex Authorities' Shared Strategic Section 1 Plan [online]. Available at: CBC-Local-Plan-North-Essex-Authorities-Shared-Strategic-Section-1-Post Committee Colchester 28th Jan 21.pdf (cbccrmdata.blob.core.windows.net) Accessed July

2025Norwich City Council, Broadland District Council, South Norfolk Council (2024) *Greater Norwich Local Plan* [online]. Available at: Adoption | GNLP. Accessed July 2025

State of Nature (2023) State of Nature main report. Available at: https://stateofnature.org.uk/wp-content/uploads/2023/09/TP25999-State-of-Nature-main-report_2023_FULL-DOC-v12.pdf. Accessed July 2025

Suffolk County Council (2025) Suffolk Local nature Recovery Strategy Public Consultation draft. Available at: Local Nature Recovery Strategy Draft Documents - Suffolk County Council. Accessed July 2025

Suffolk Wildlife Trust (2025) Waveney & Little Ouse Recovery Project. Available at: https://www.suffolkwildlifetrust.org/WaLOR. Accessed July 2025

Tendring District Council (2022) Tendring District Local Plan 2013-2033 and Beyond Section 2 [online]. Available at: LOCAL PLAN SECTION 2 (tendringdc.gov.uk) Accessed July 2025

Thurrock Council (2015) Thurrock Local Development Framework Core Strategy and Policies for Management of Development (as amended) [online] Available at: Thurrock Council - Core Strategy and Policies for Management of Development (as amended), adopted January 2015. Accessed July 2025

UK Government (2014) *What information should be included on a location plan?* Available at: Making an application - GOV.UK (www.gov.uk) Accessed July 2024

UKHab Ltd (2023) *UK Habitat Classification Version 2.0.*

Appendix A. Figures

Appendix A
Figures

Figure 7.7.1 UK Habitat Classification Map (pre-development baseline)

Doc Ref: 7.1.F1

N

Order limits

Page

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Overview

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:551,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

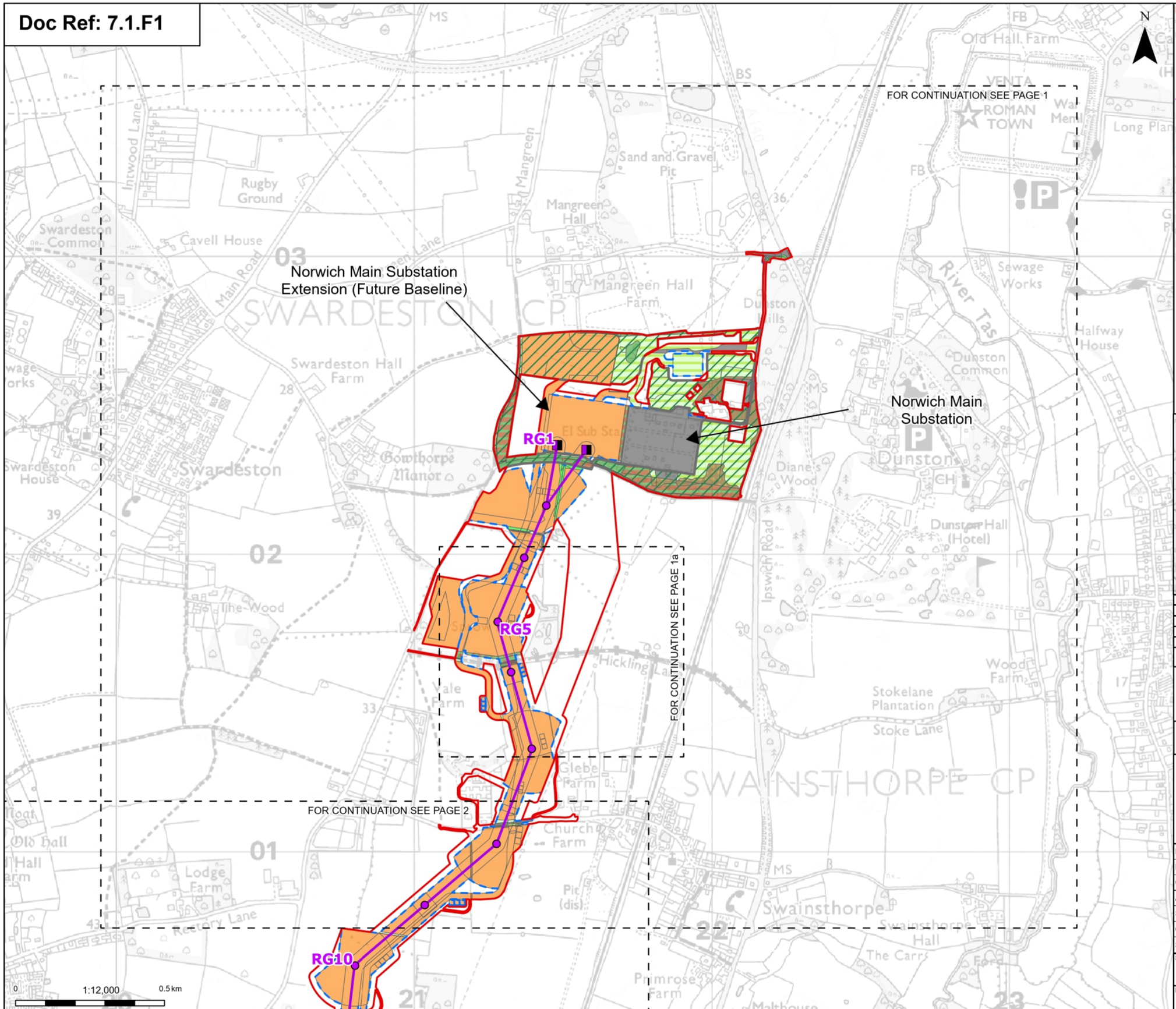
Revision: A

0 1:551,000 25 km

Print Date: 07-23-25 11:49:58

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:50:01

N

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface
- Vegetated garden

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 1 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

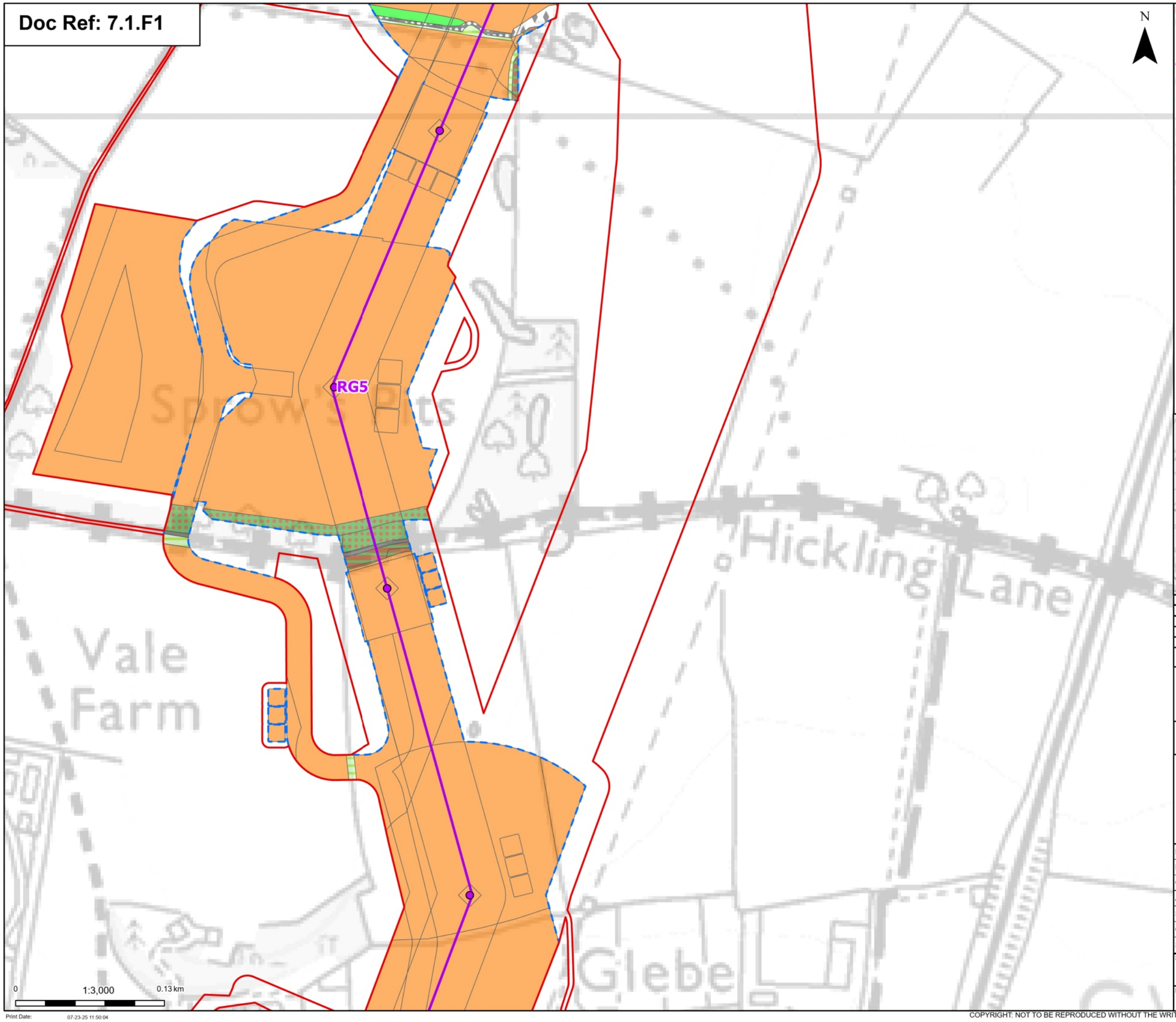
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

- Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 1a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

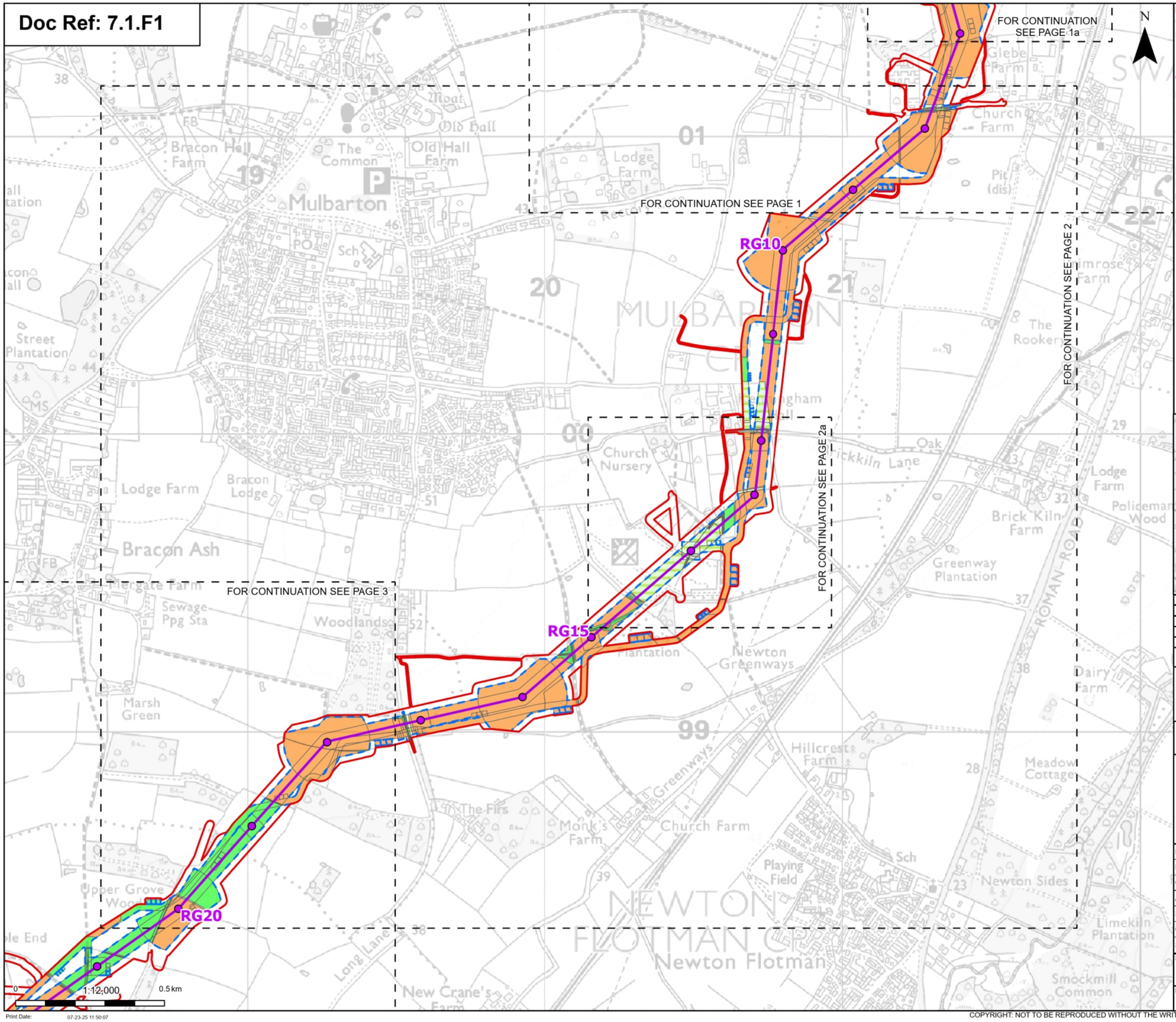
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:04

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:50:07

Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Bare ground

Built linear features
Developed land; sealed surface

Sparsely vegetated land
Ruderal/Ephemeral

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 2 of 63

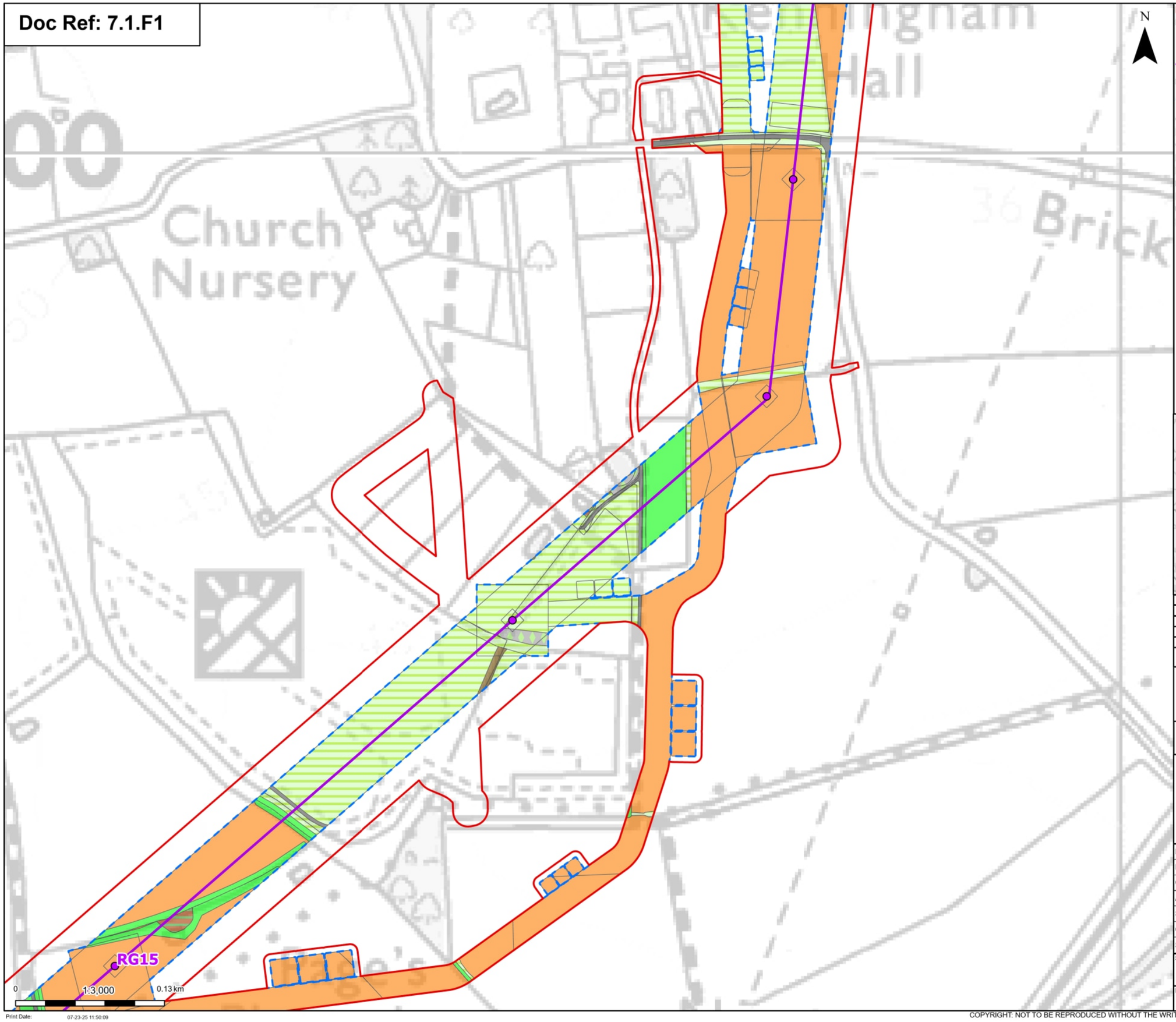
Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765
Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Built linear features

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 2a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

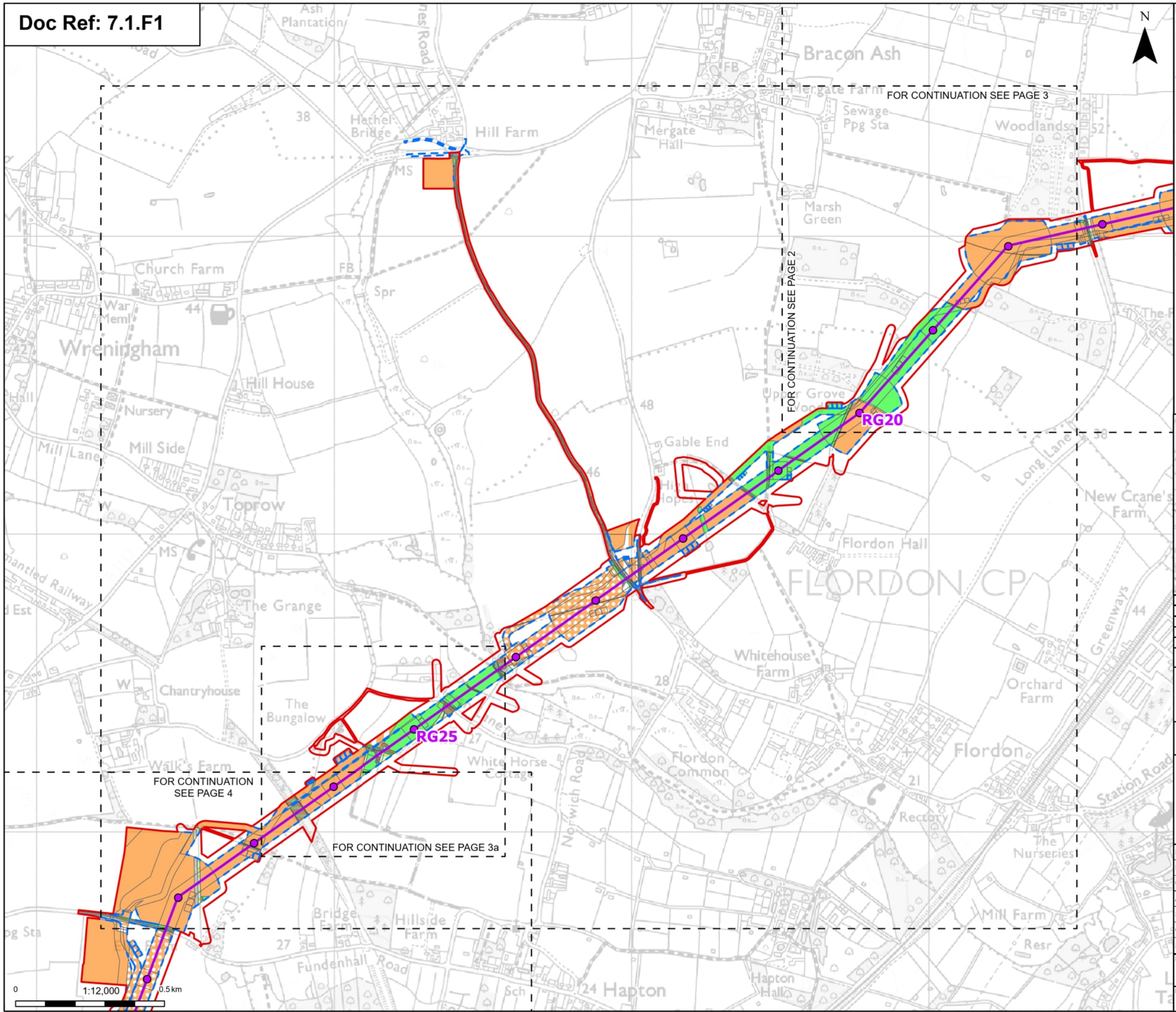
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:09

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban

- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land

- Ruderal/Ephemeral

Lakes

- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 3 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

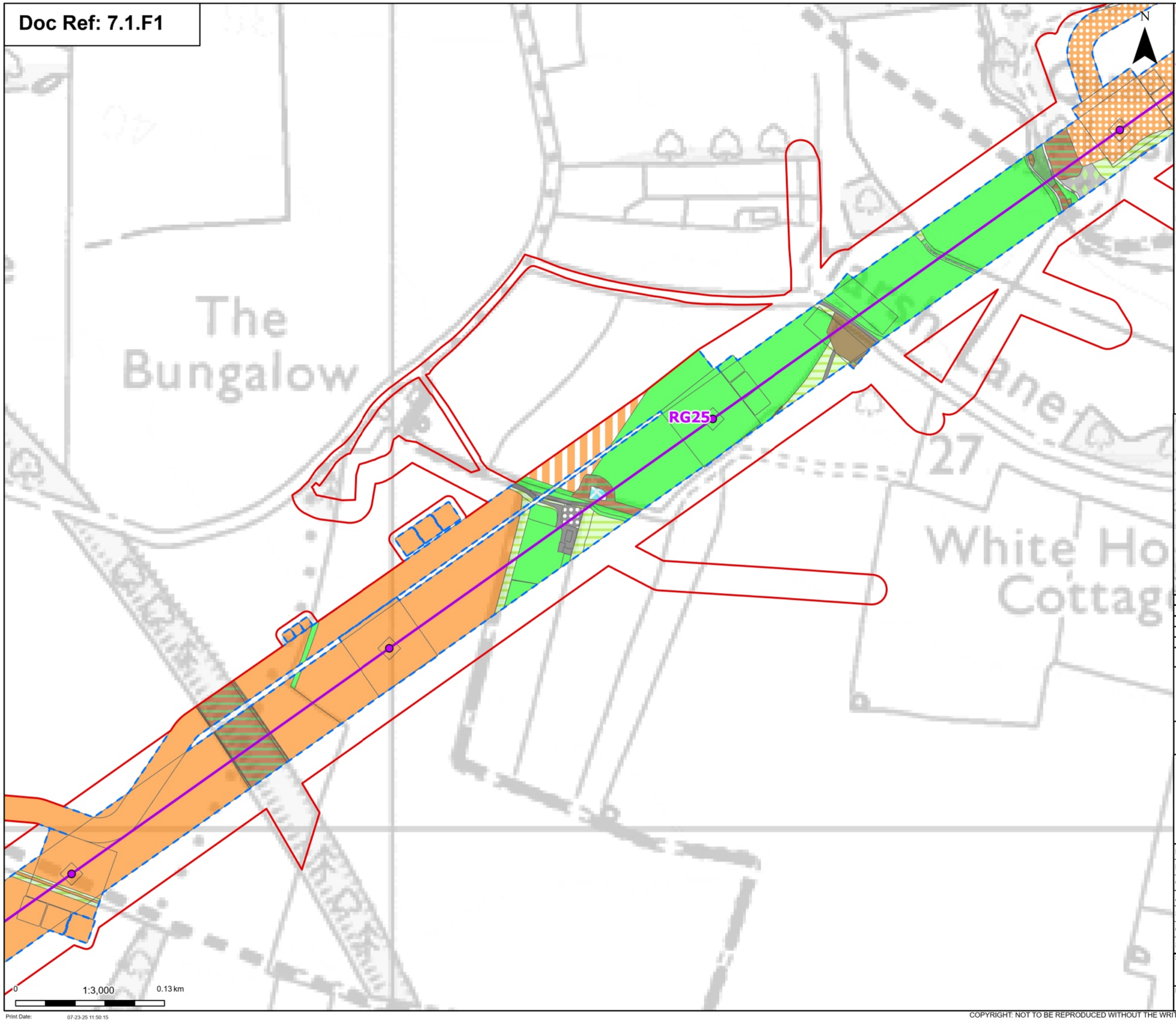
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:12

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 3a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

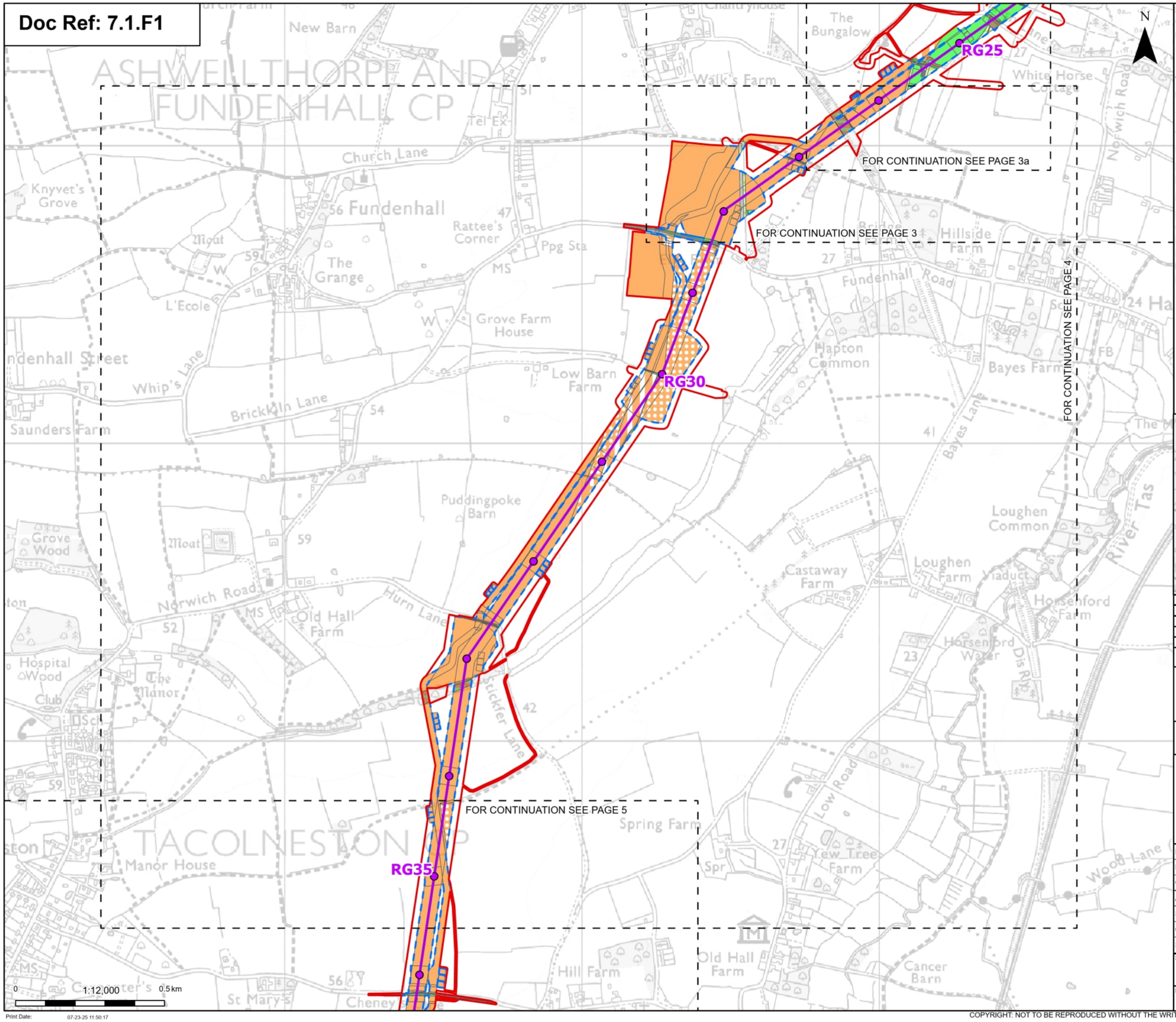
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:15

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:50:17

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Blackthorn scrub
- Mixed scrub

Urban

- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Sparsely vegetated land

- Ruderal/Ephemeral

Lakes

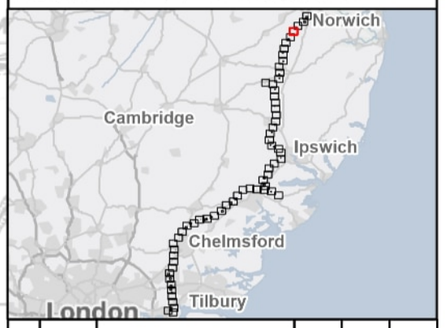
- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 4 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

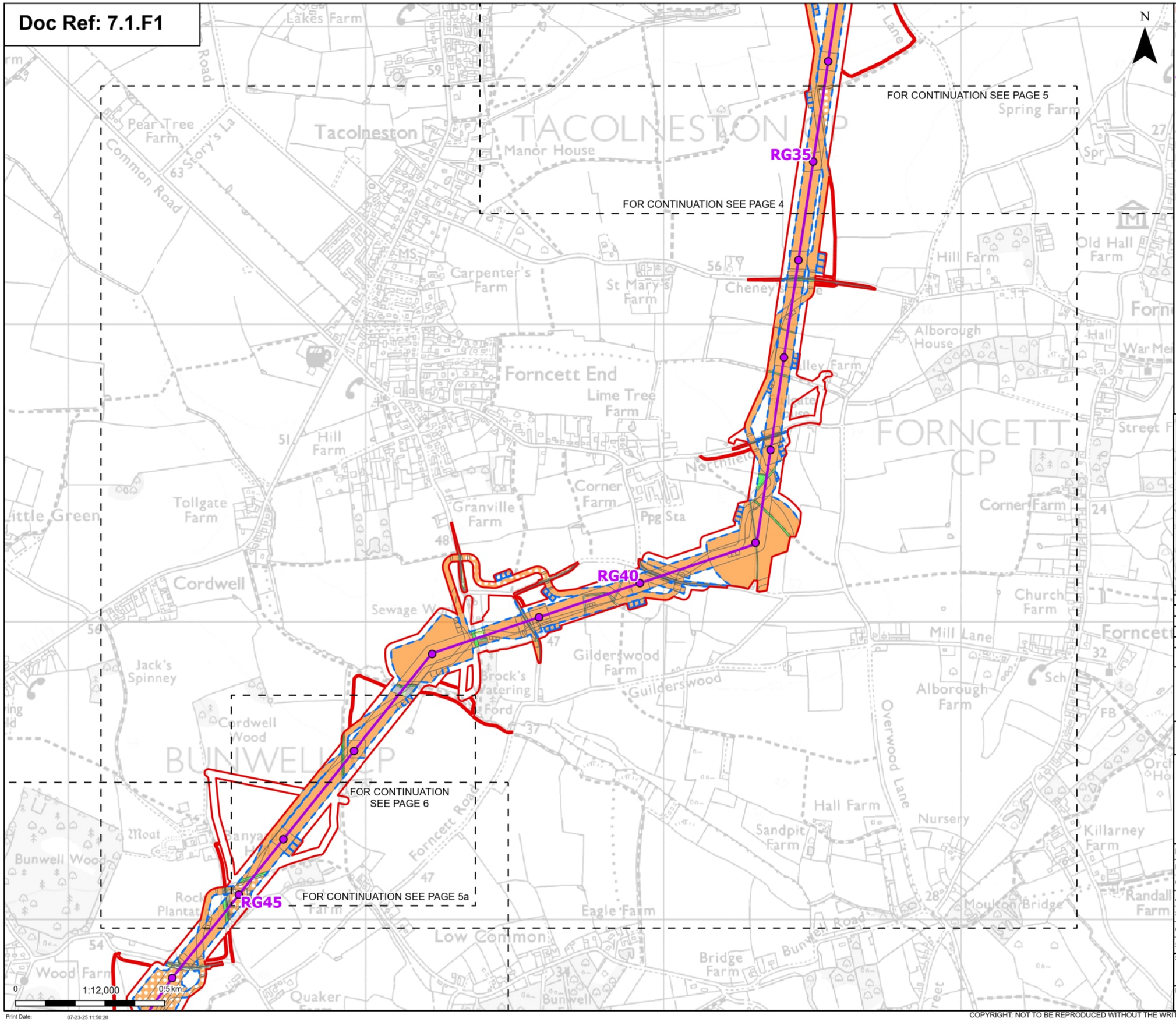
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Urban
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 - UK Habitat Classification Map (pre-development baseline) Page 5 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

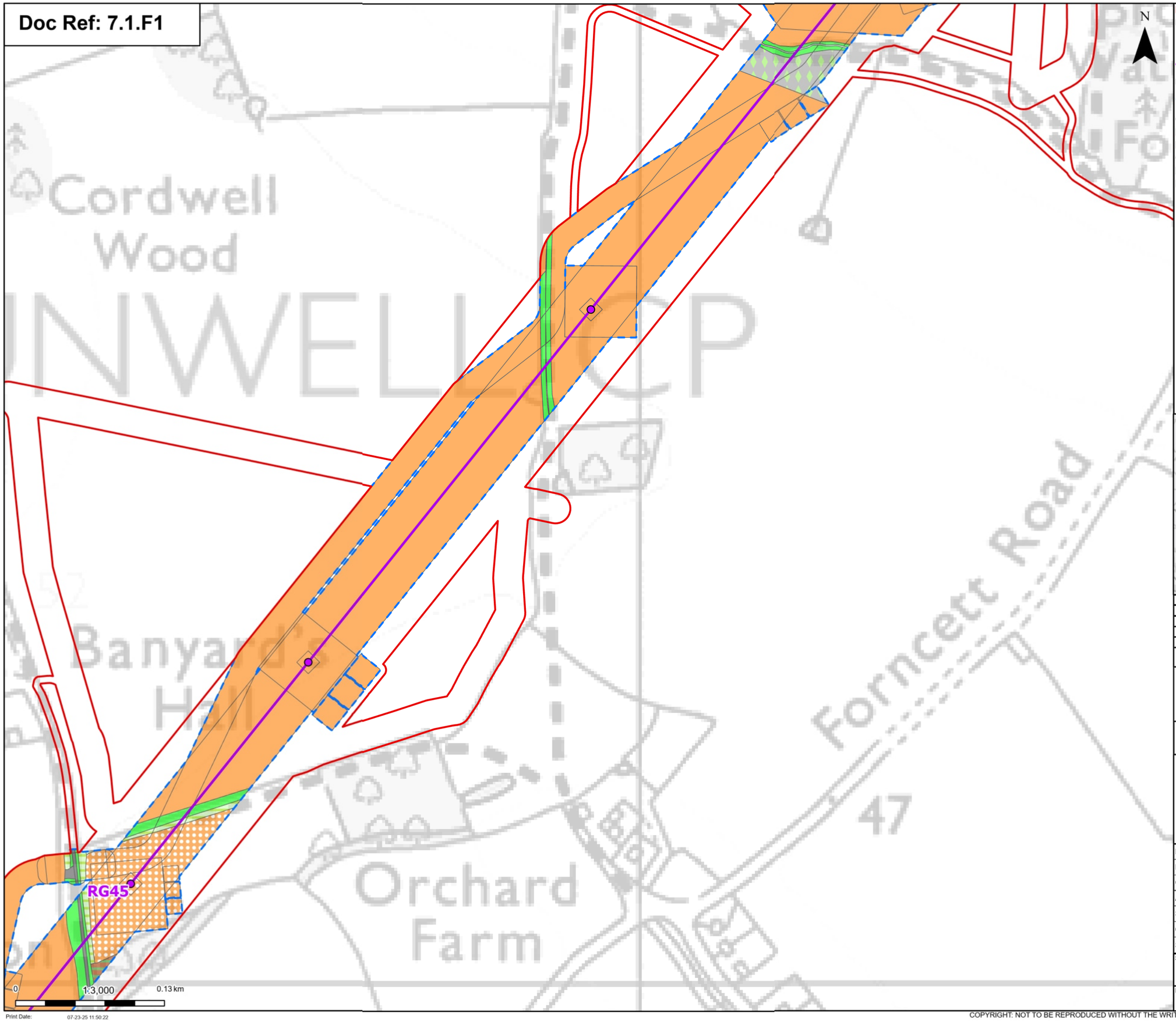
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:20

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:50:22

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Urban

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 5a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

RG45

RG50

FOR CONTINUATION SEE PAGE 5a

FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 7

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:50:25

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

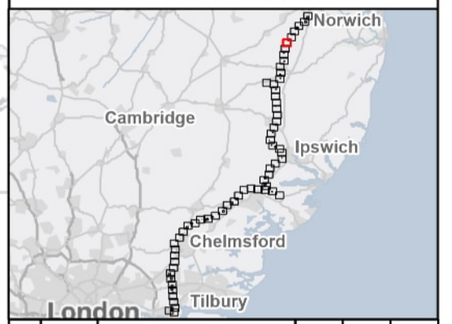
Urban
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 6 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

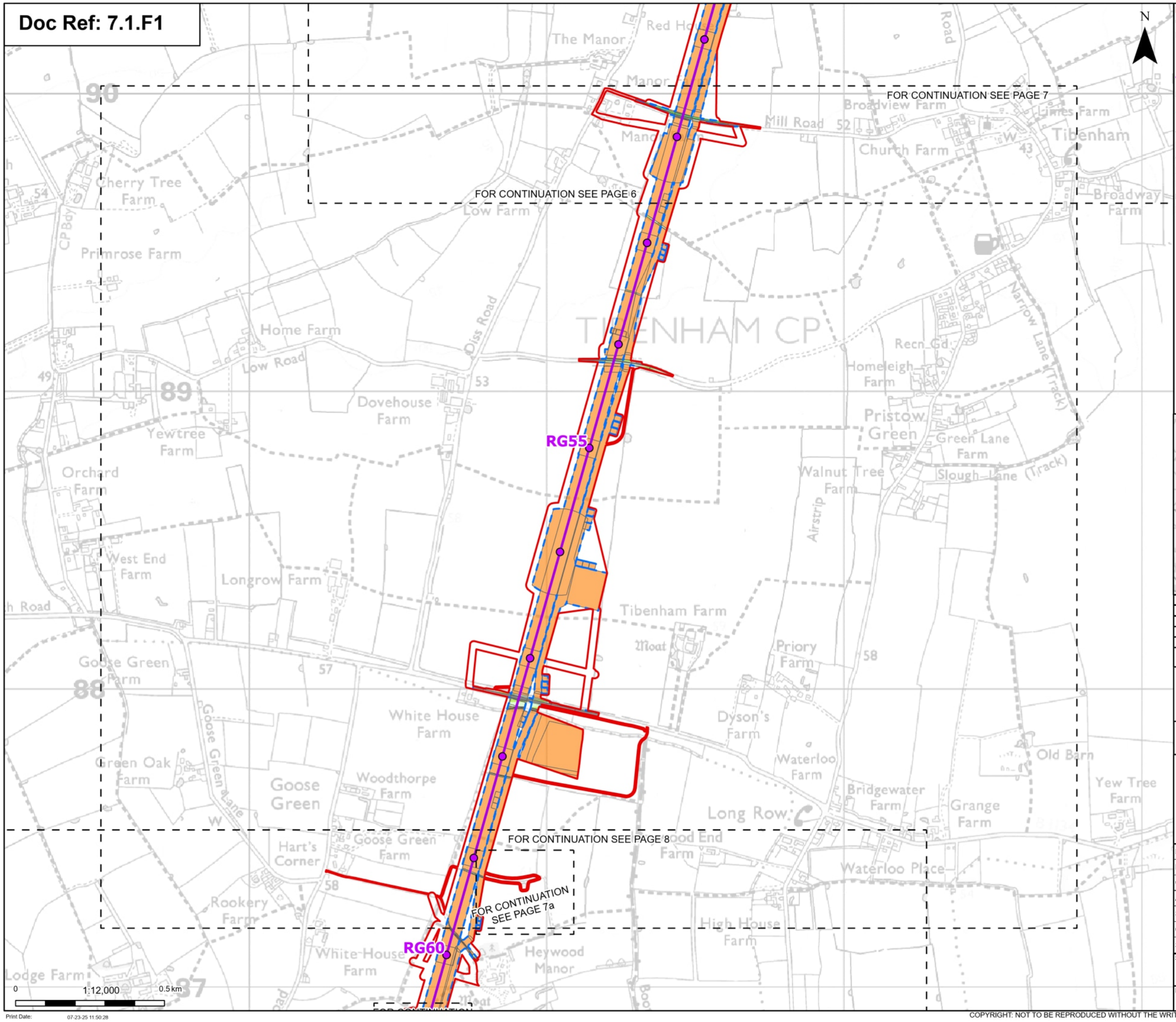
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub

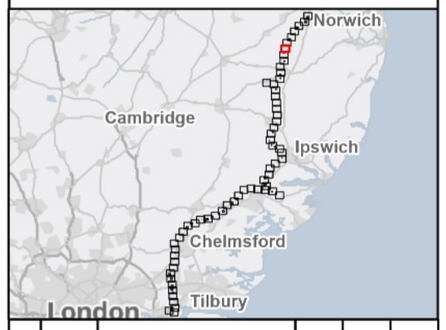
Urban
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 7 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

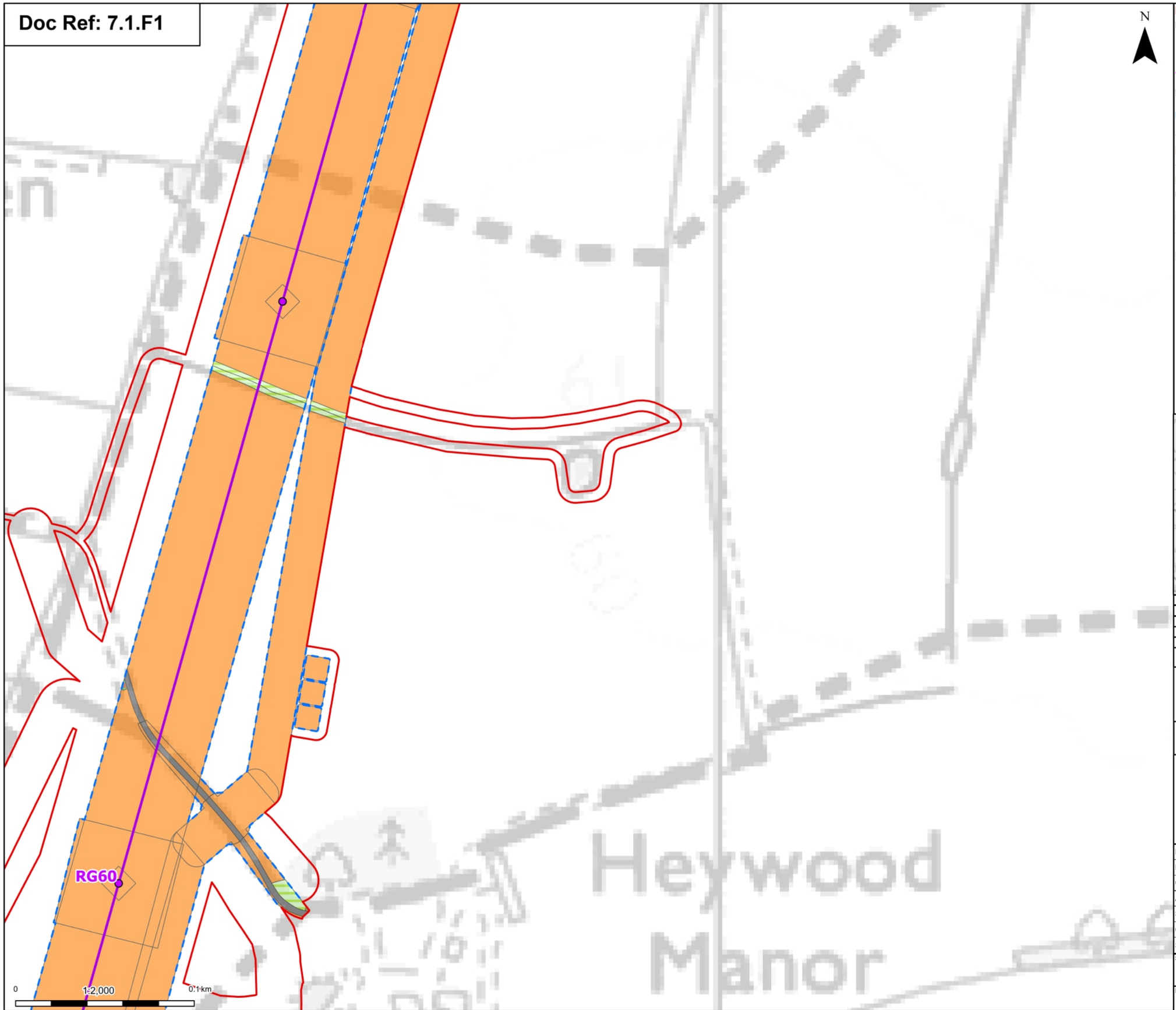
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:28

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Other neutral grassland

Urban

Developed land; sealed surface

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 7a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

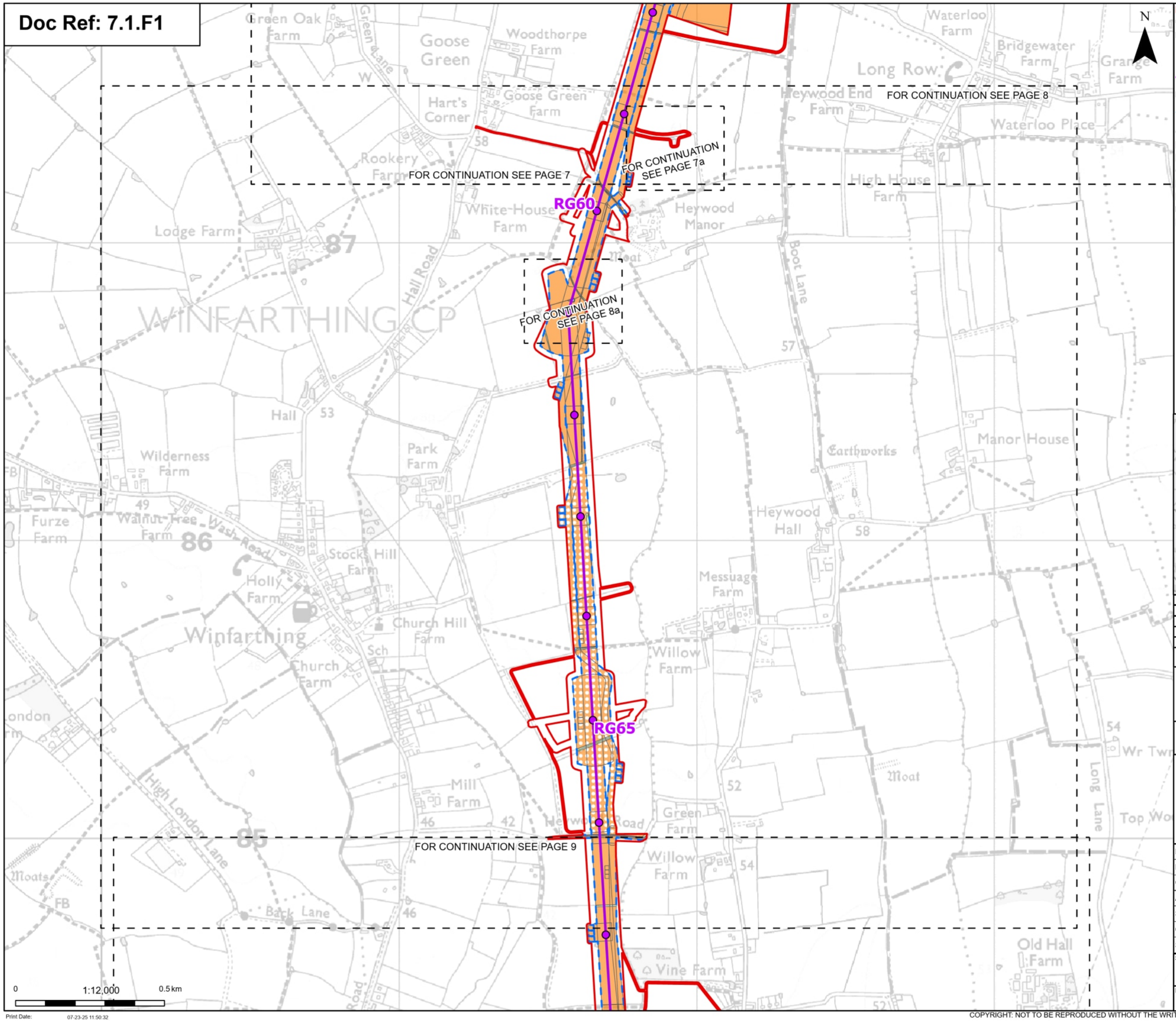
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:30

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

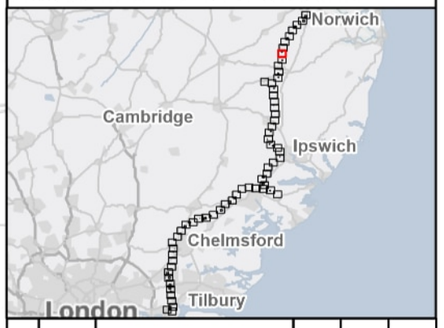
Urban
Developed land; sealed surface

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 8 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

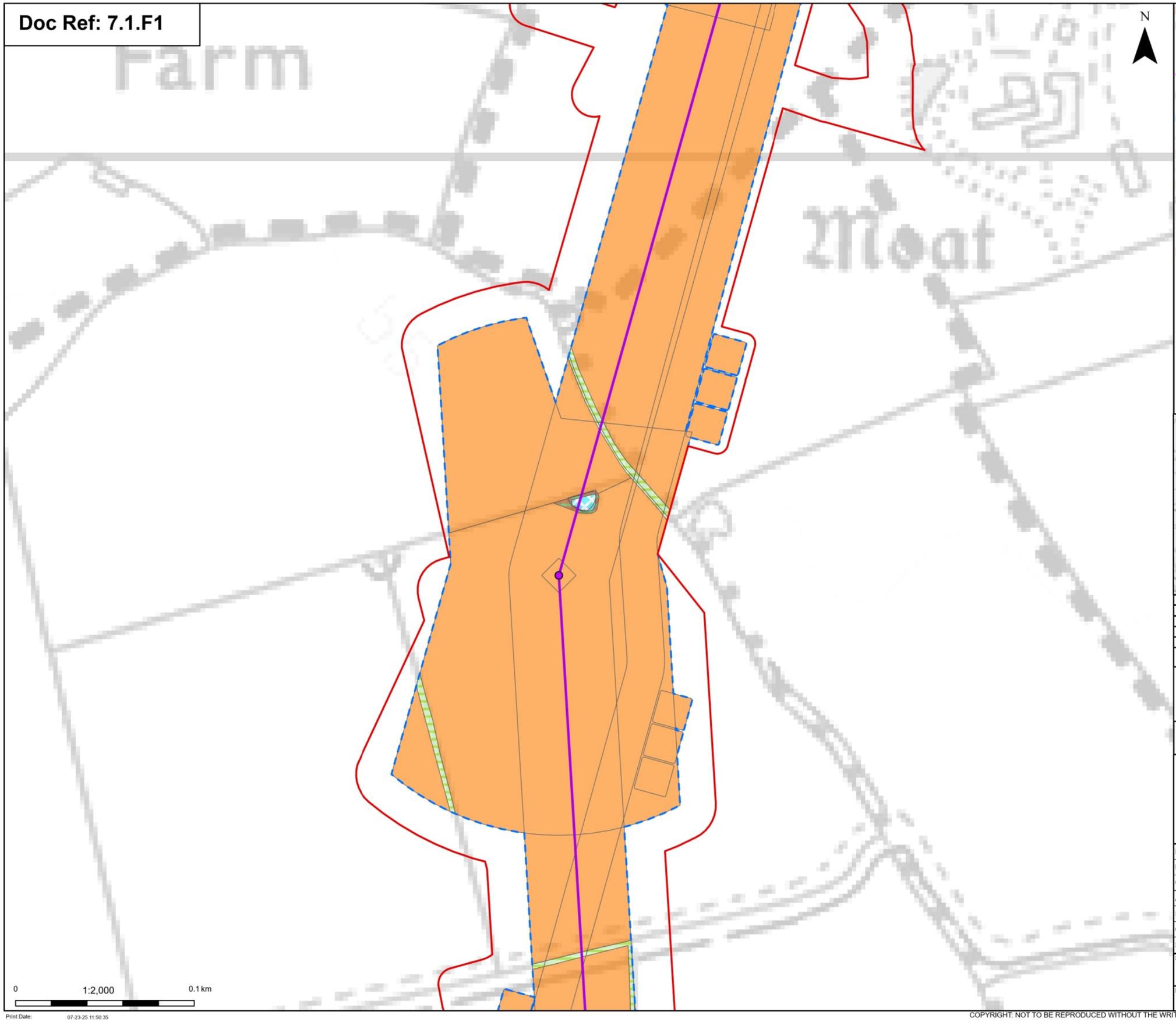
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:32

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Other neutral grassland

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 8a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

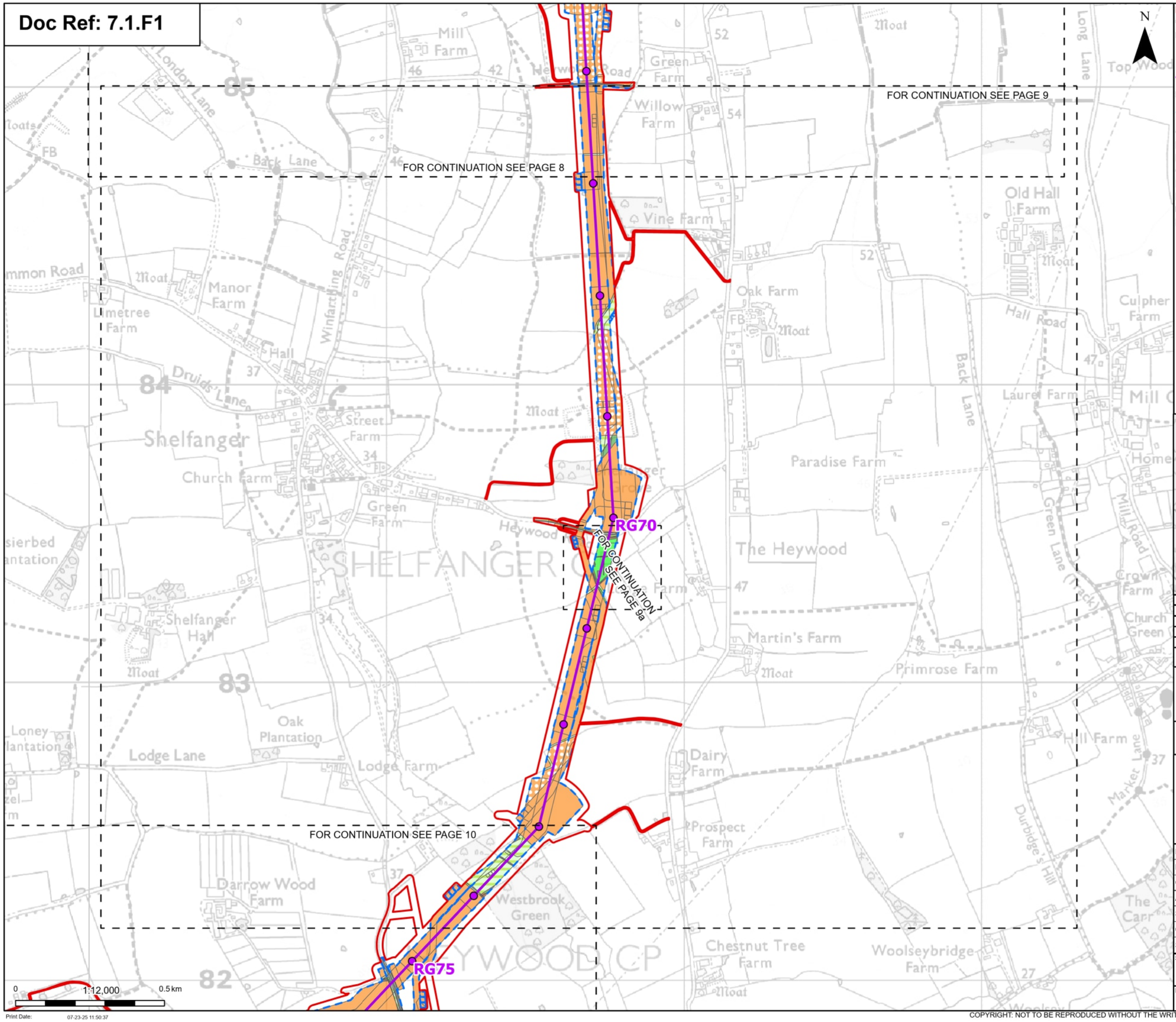
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:35

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

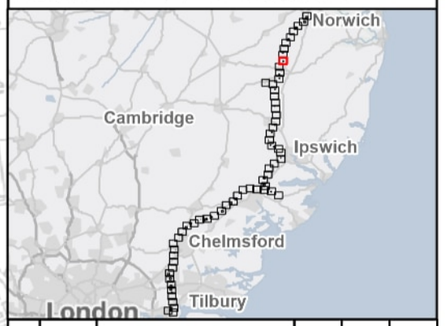
Urban
- Bare ground
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 9 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

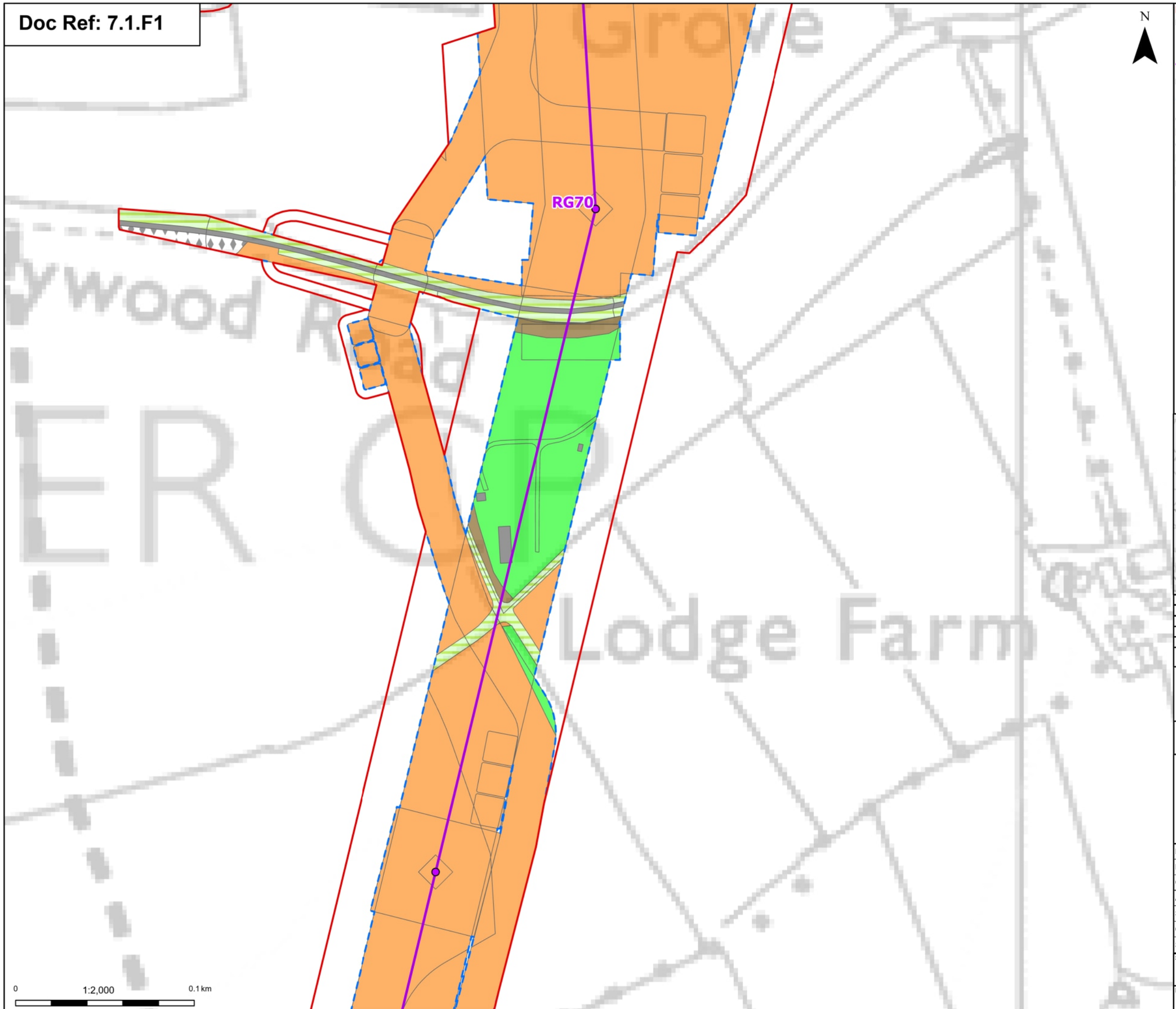
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Bare ground

Developed land; sealed surface

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 9a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

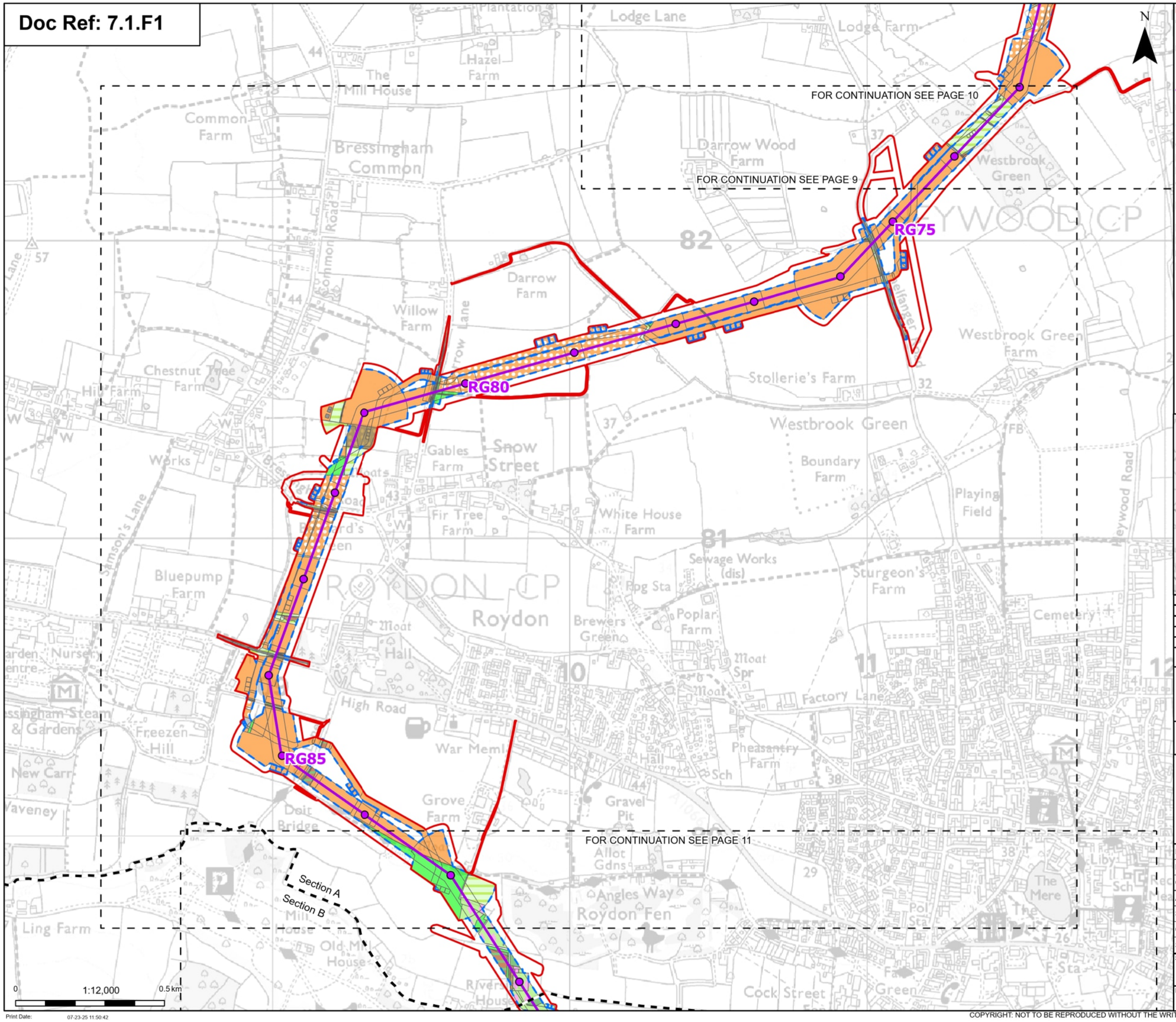
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:40

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub
- Willow scrub

Urban
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 10 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

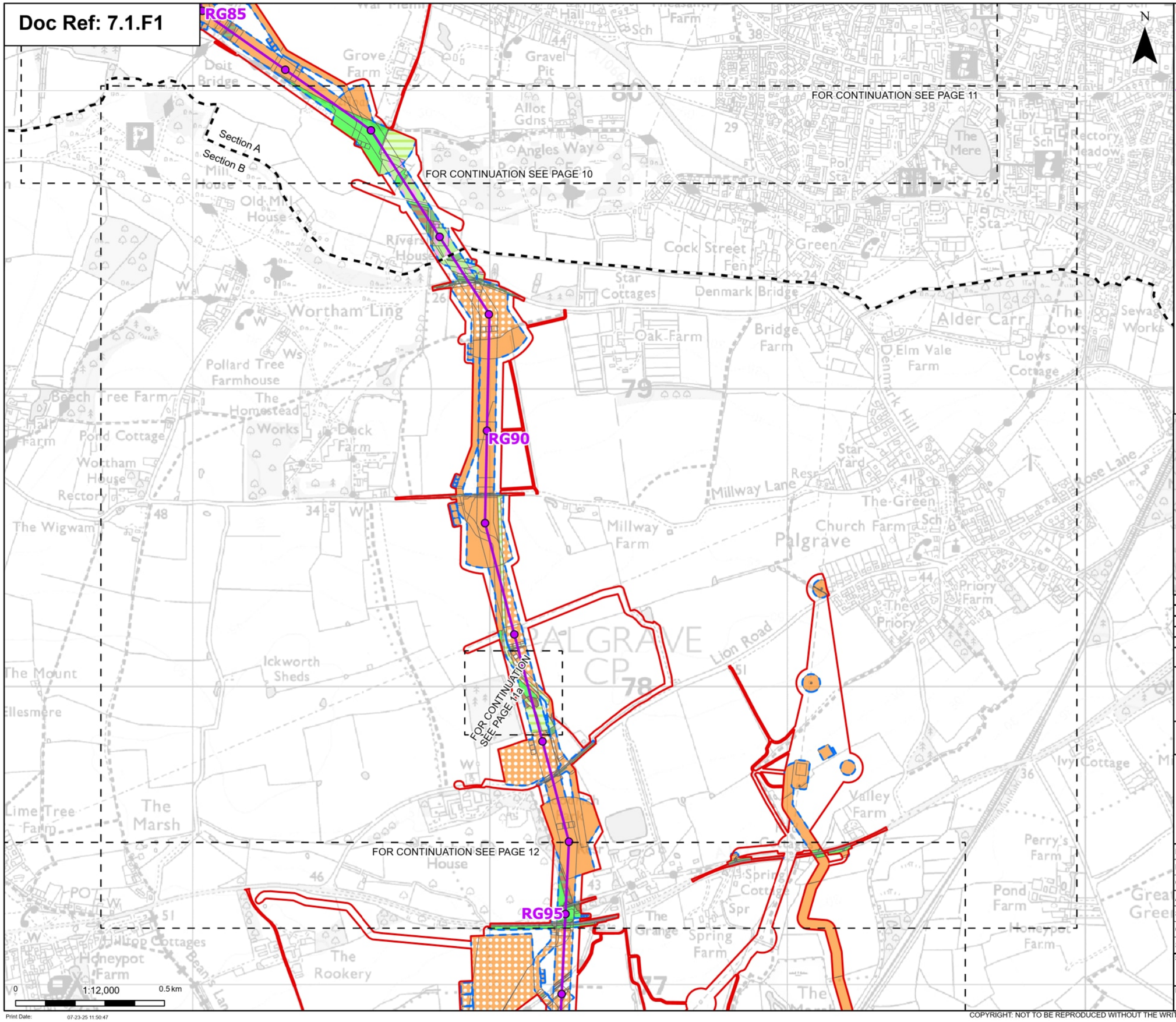
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:42

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins game bird mix
Cereal crops
Non-cereal crops

Grassland

Floodplain wetland mosaic and coastal floodplain grazing marsh
Modified grassland
Other neutral grassland

Heathland and shrub

Mixed scrub
Willow scrub

Urban

Bare ground
Built linear features
Developed land; sealed surface

Woodland and forest

Lowland mixed deciduous woodland
Other coniferous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 11 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

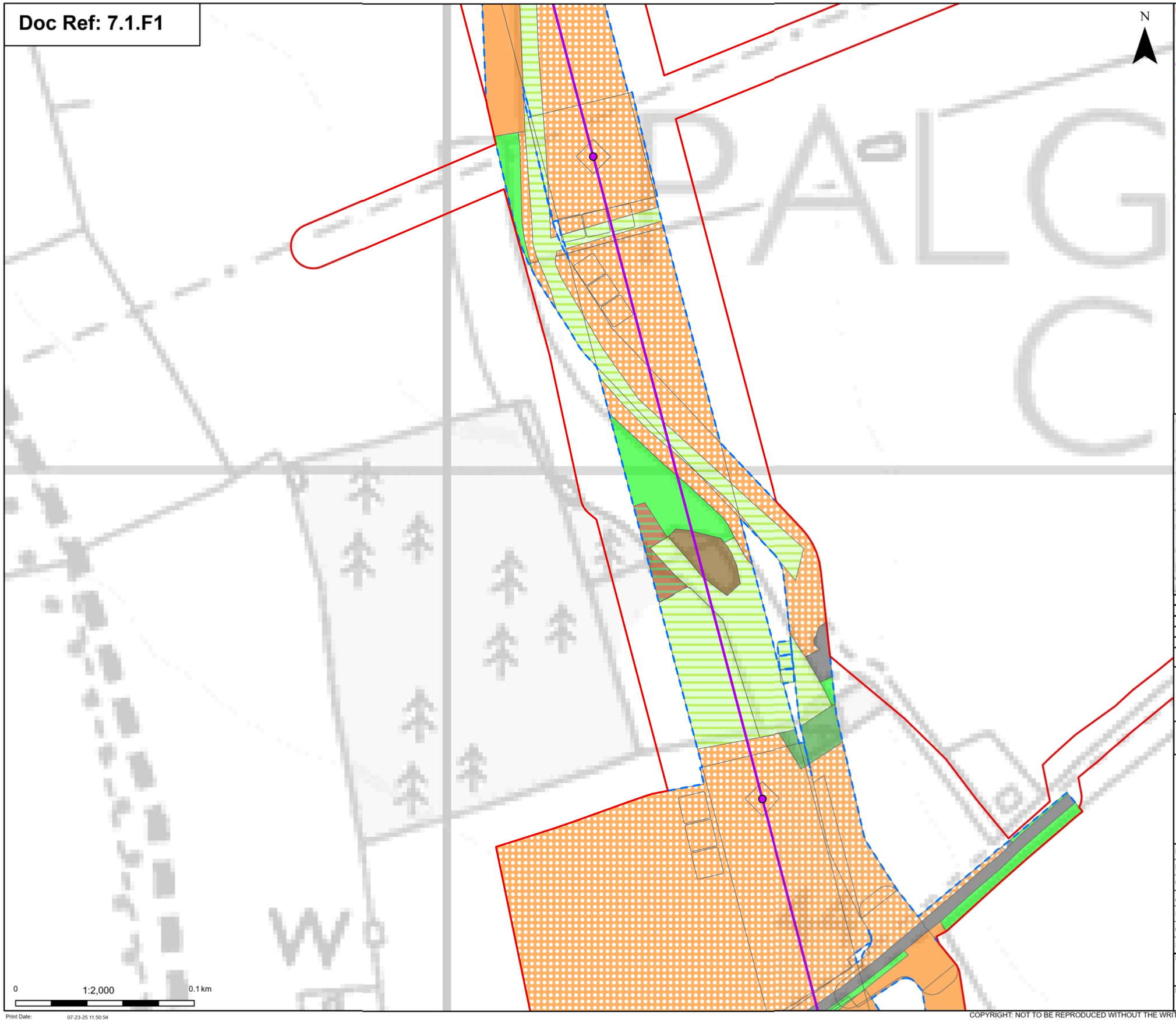
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:50:47

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Built linear features

Developed land; sealed surface

Woodland and forest

Lowland mixed deciduous woodland

Other coniferous woodland

Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 11a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

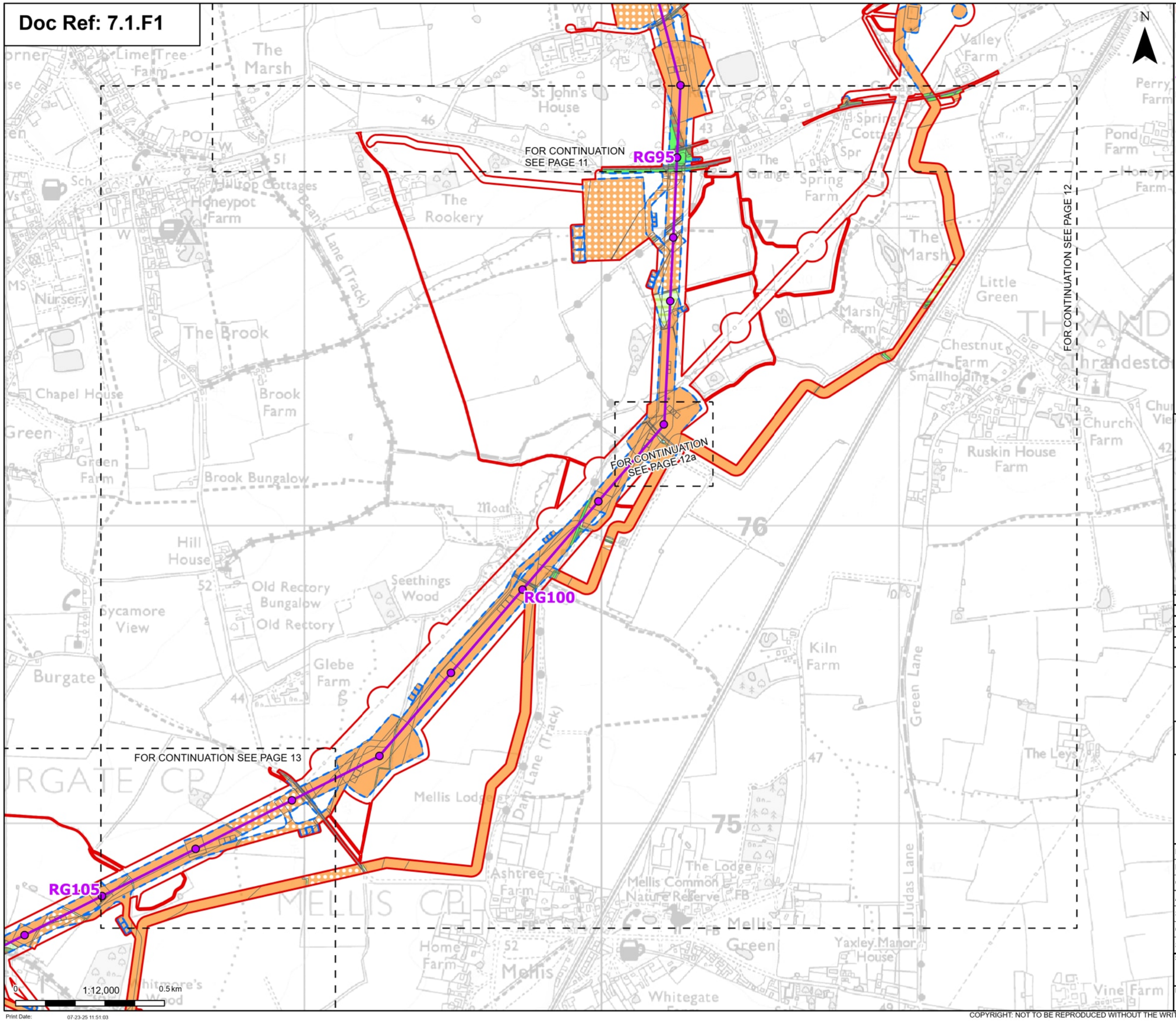
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins game bird mix
Cereal crops
Non-cereal crops

Grassland

Modified grassland
Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Bare ground
Built linear features
Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 12 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

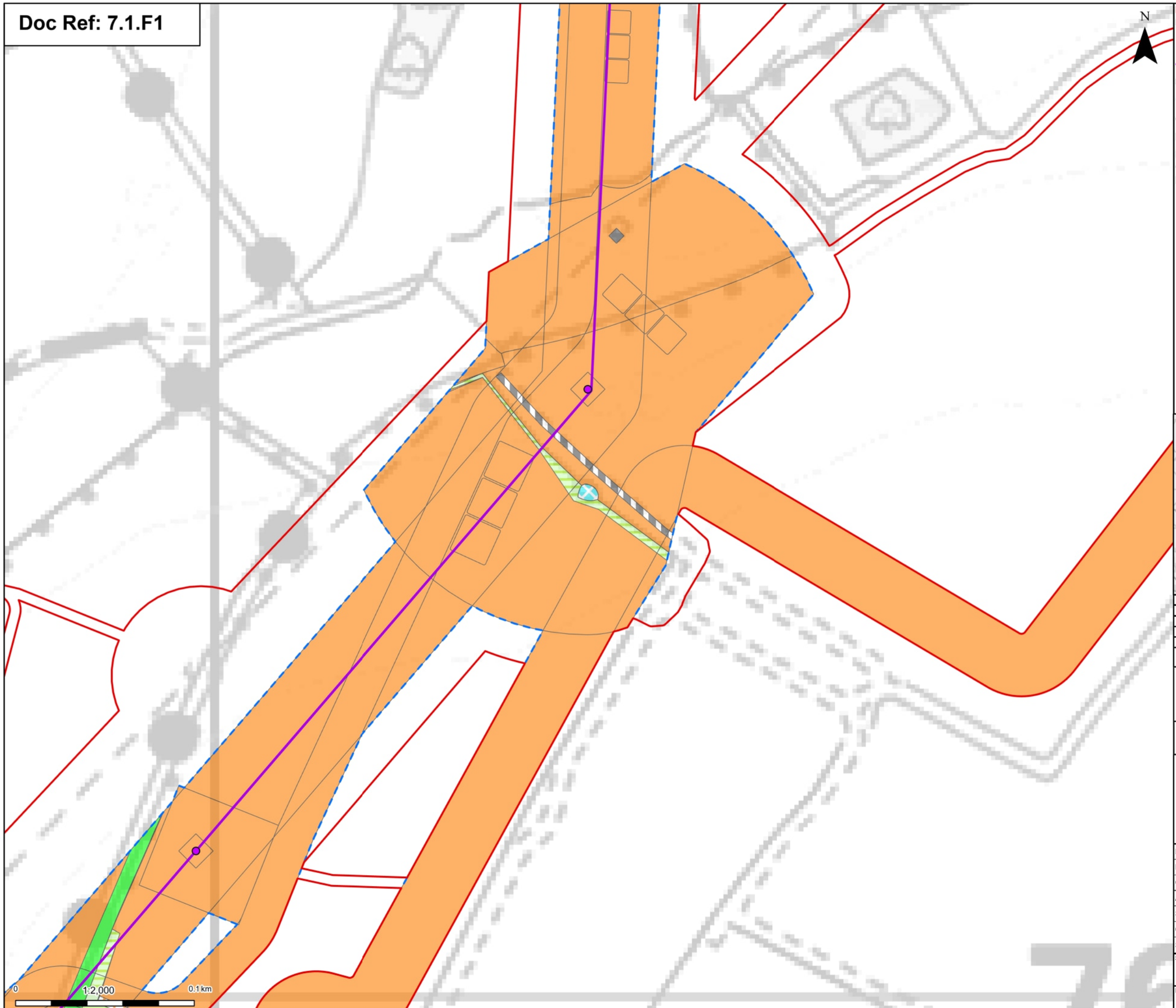
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:51:03

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:51:10

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Urban
- Built linear features
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 12a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

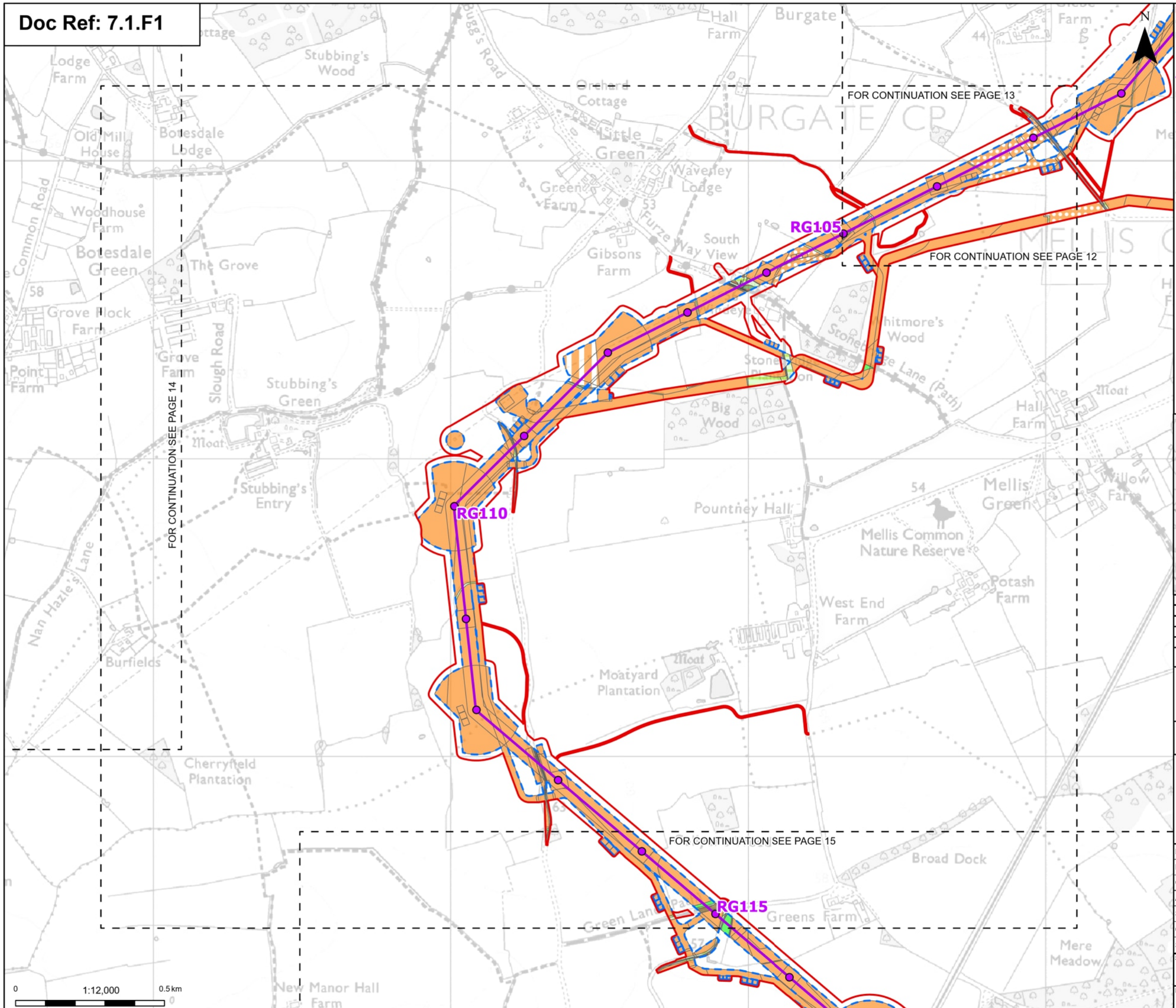
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

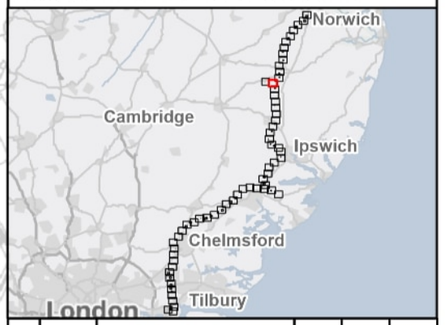
Heathland and shrub
- Mixed scrub

Urban
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 13 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

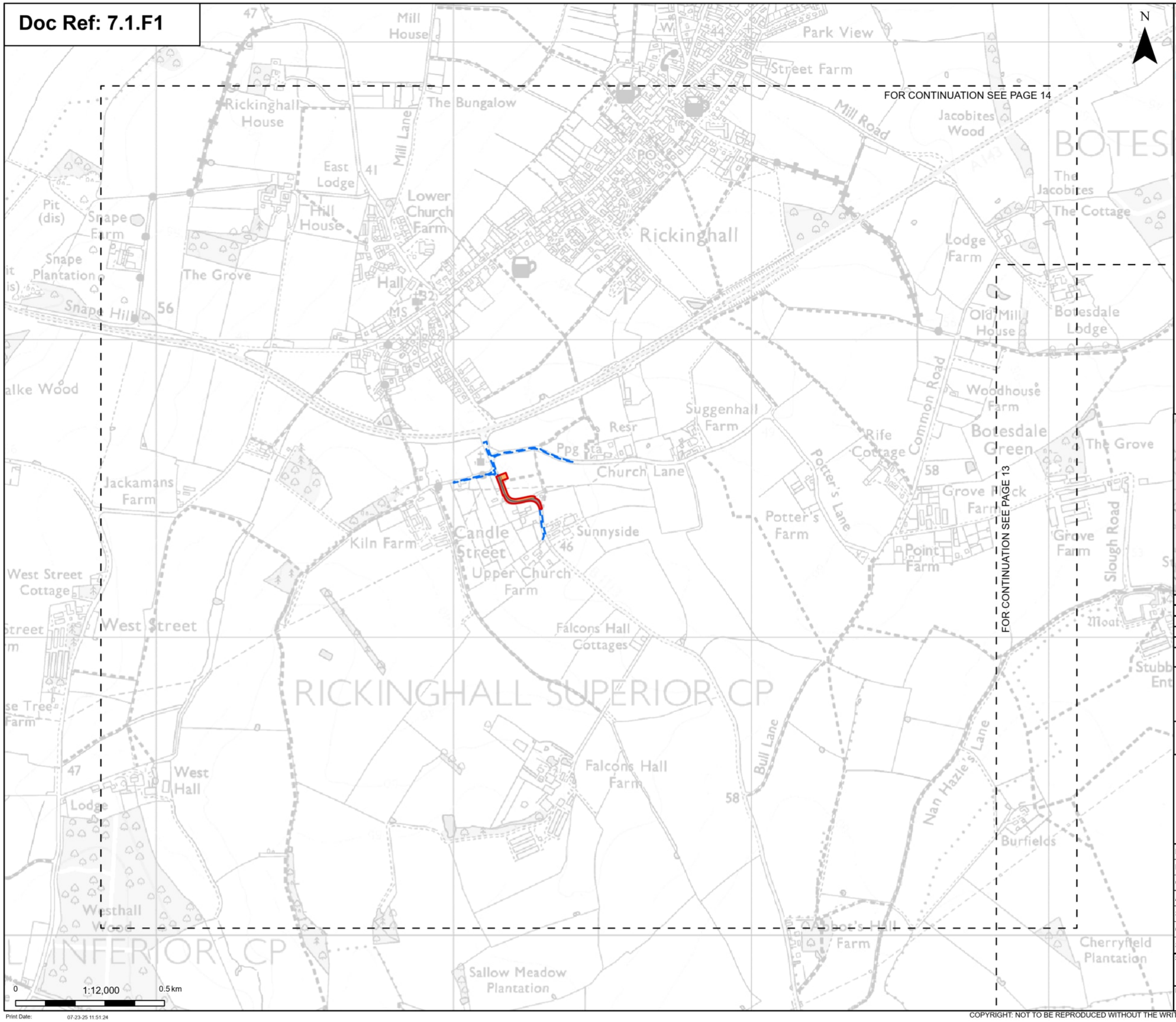
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:51:17

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:51:24

- Order limits
- Sheet index cutline

Discipline specific constraints

- Maximum construction boundary

Cropland

- Cereal crops

Grassland

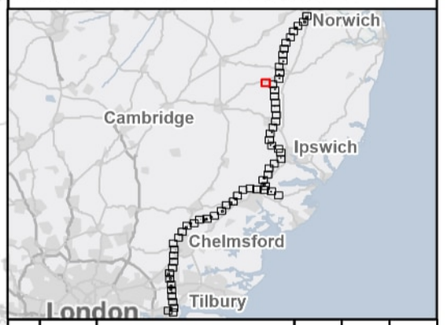
- Modified grassland

Urban

- Developed land; sealed surface
- Vegetated garden

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 14 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

RG115

RG120

FOR CONTINUATION SEE PAGE 13

FOR CONTINUATION SEE PAGE 15

FOR CONTINUATION SEE PAGE 15a

FOR CONTINUATION SEE PAGE 16

Collyer's Wood
Broad Dock
Lady Henniker Wood
Moat
Mere Meadow
Dock Plantation
Duchess Wood
Old Drive
Redhouse Farm
Redhouse Plantation
Spalding's Farm
Little Swattesfield Hall
New Manor Hall Farm
Margaret Farm
Little Green
Jaylands
Oak Farm
Sewage Works
The Elms
Street Farm
Gislingham
SLINGHAM CP
Spring Farm
Surjodaya
Hidcote House
Coldham Grove
Dormer's Wood
Edinburgh Belt
Billingford Wood
Rush Green Farm
Ivy Lodge Farm
Lodge Farm
Jenny's Farm
The Grove
Redhouse Farm
Starhouse Farm
Clay Street
THORNHAM MAGNA CP
Jims Wood
New Wood
Eastlands Farm
Wickham Street
FINNINGHAM CP

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:51:31

Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

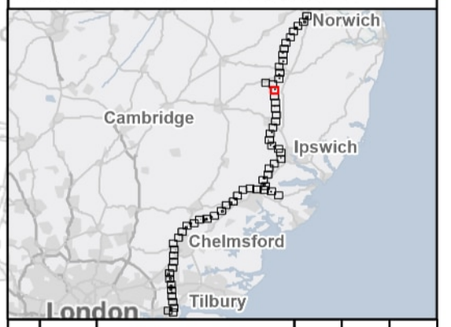
Sparsely vegetated land
- Ruderal/Ephemeral

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 15 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Mixed scrub

Urban

Artificial unvegetated, unsealed surface

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

Other woodland; broadleaved

Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

0 1:2,000 0.1 km

Print Date: 07-23-25 11:51:38

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 15a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

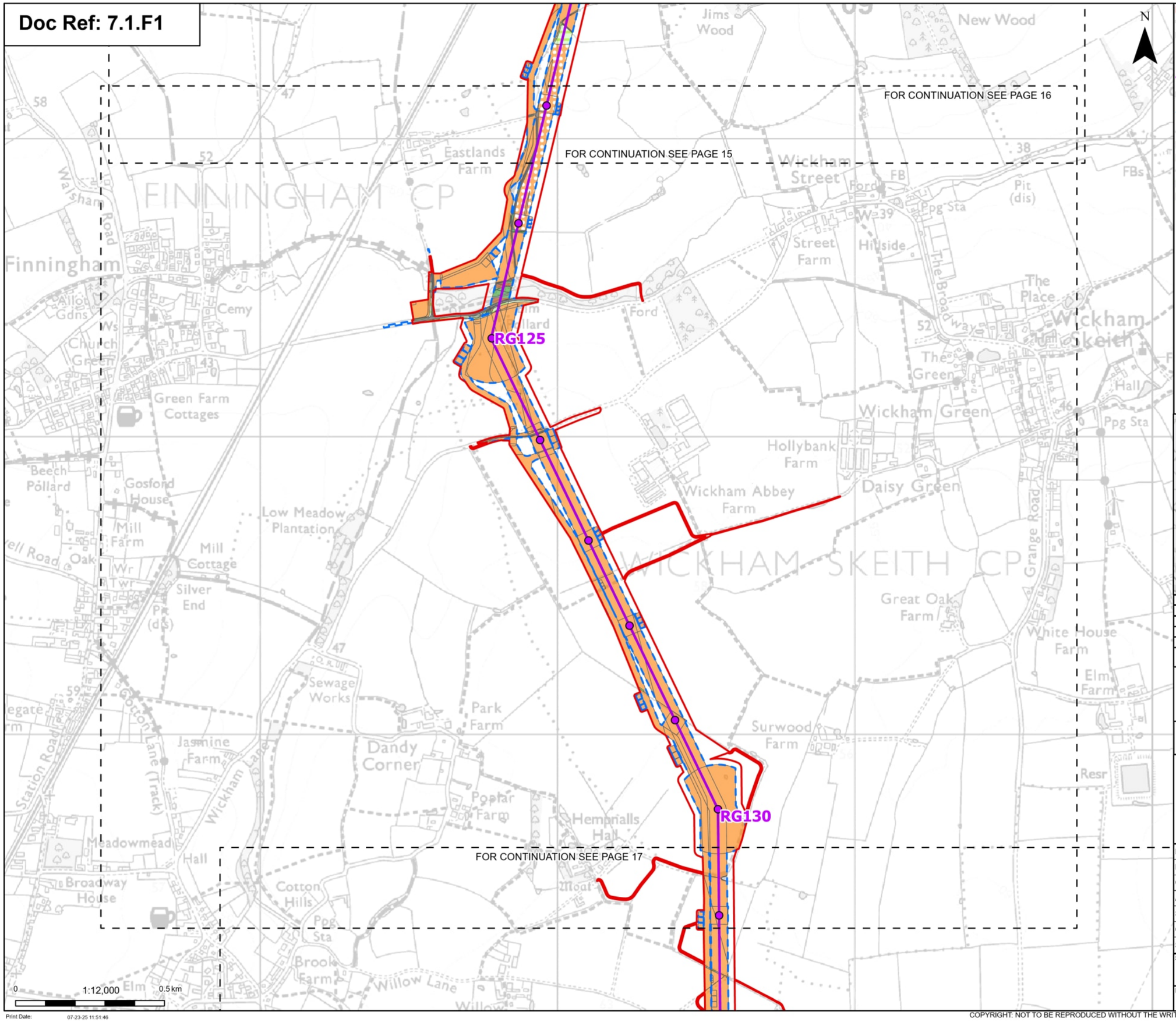
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Urban
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 16 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:51:46

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

RG130

RG135

FOR CONTINUATION SEE PAGE 16

FOR CONTINUATION SEE PAGE 17

FOR CONTINUATION SEE PAGE 18

FOR CONTINUATION SEE PAGE 17a

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:51:52

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

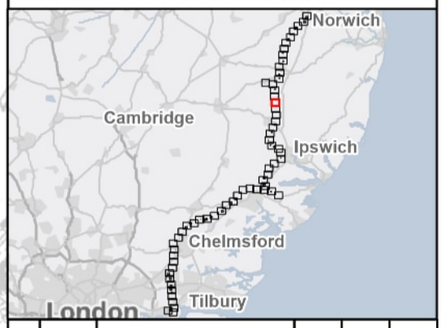
Urban
- Built linear features
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 17 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

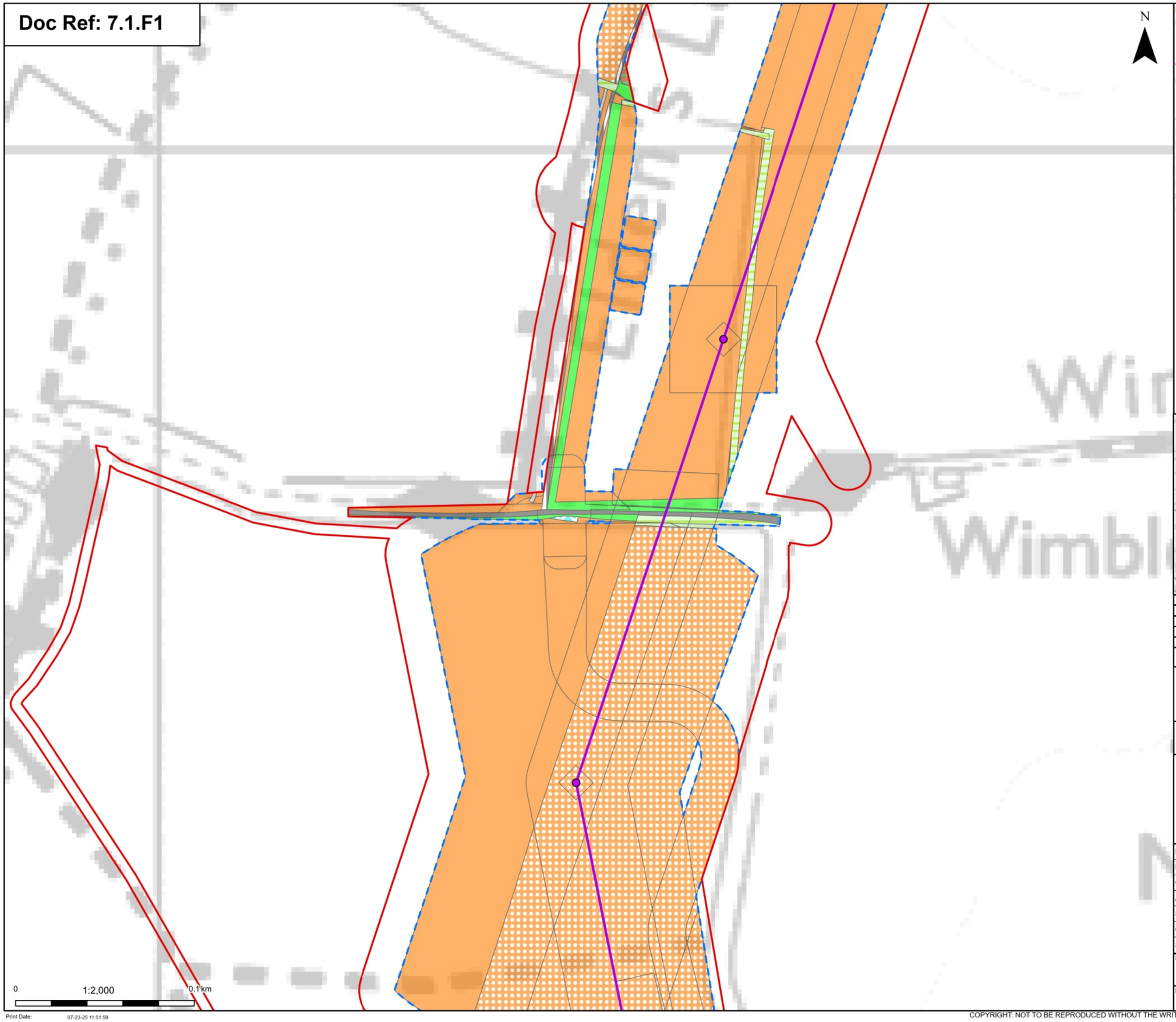
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Built linear features

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 17a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

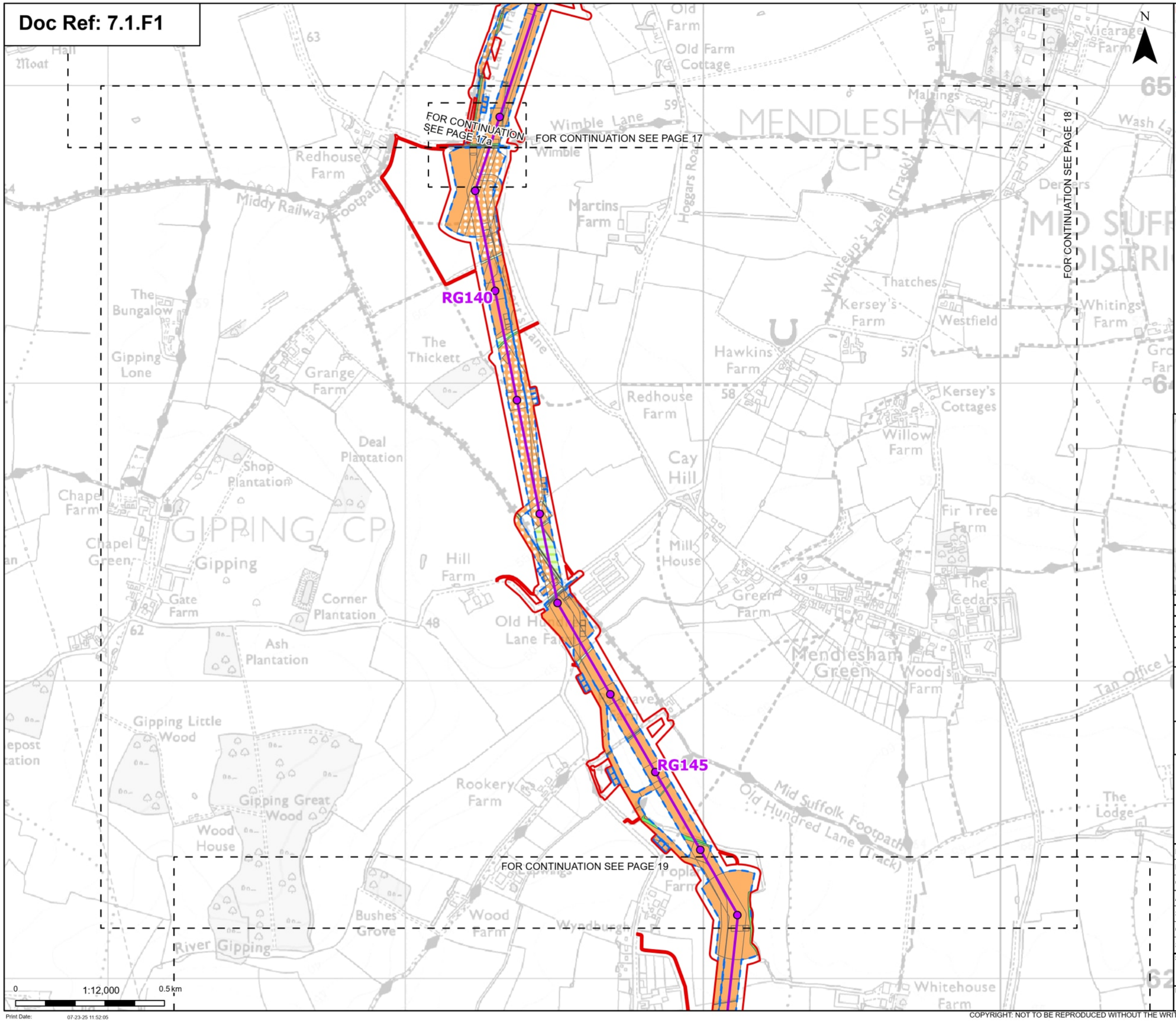
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:51:59

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

Proposed project design details
- Order limits
- Sheet index cutline
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Built linear features
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 18 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

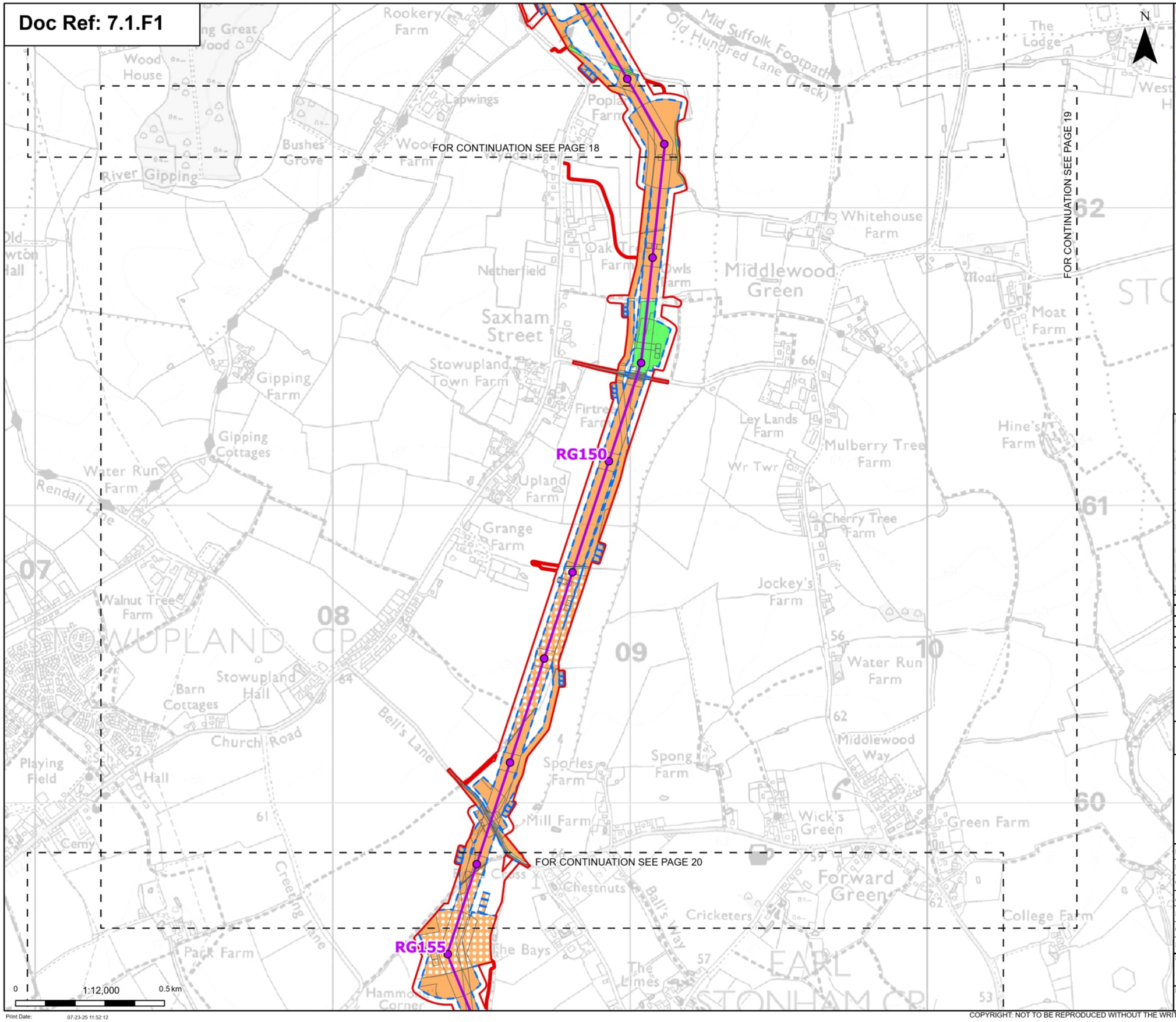
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops
Non-cereal crops
Temporary grass and clover leys

Grassland

Modified grassland
Other neutral grassland

Urban

Artificial unvegetated, unsealed surface
Developed land; sealed surface

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 19 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

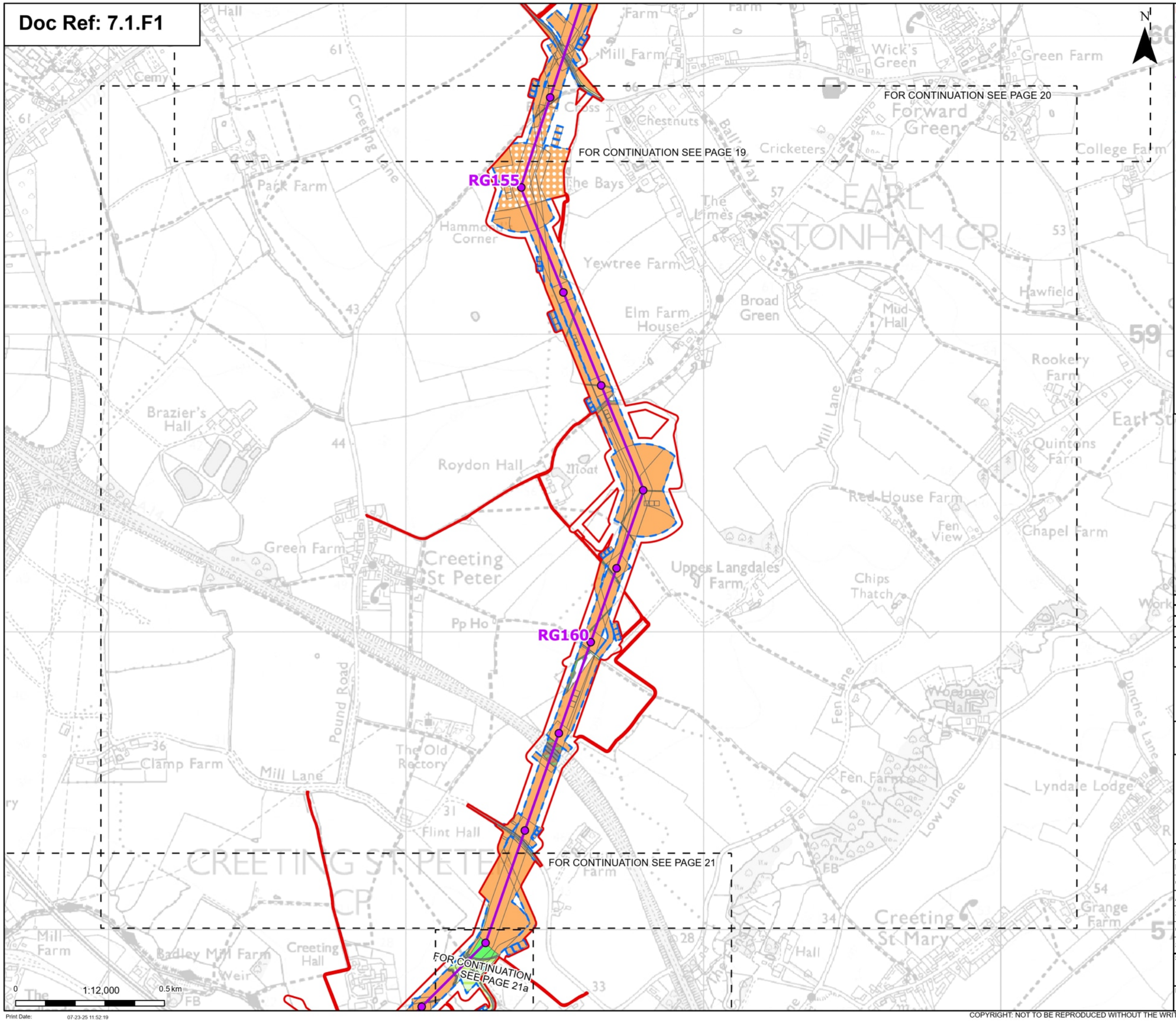
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765
Revision: A

Print Date: 07-23-25 11:52:12

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Urban
Bare ground

Built linear features
Developed land; sealed surface

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 20 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

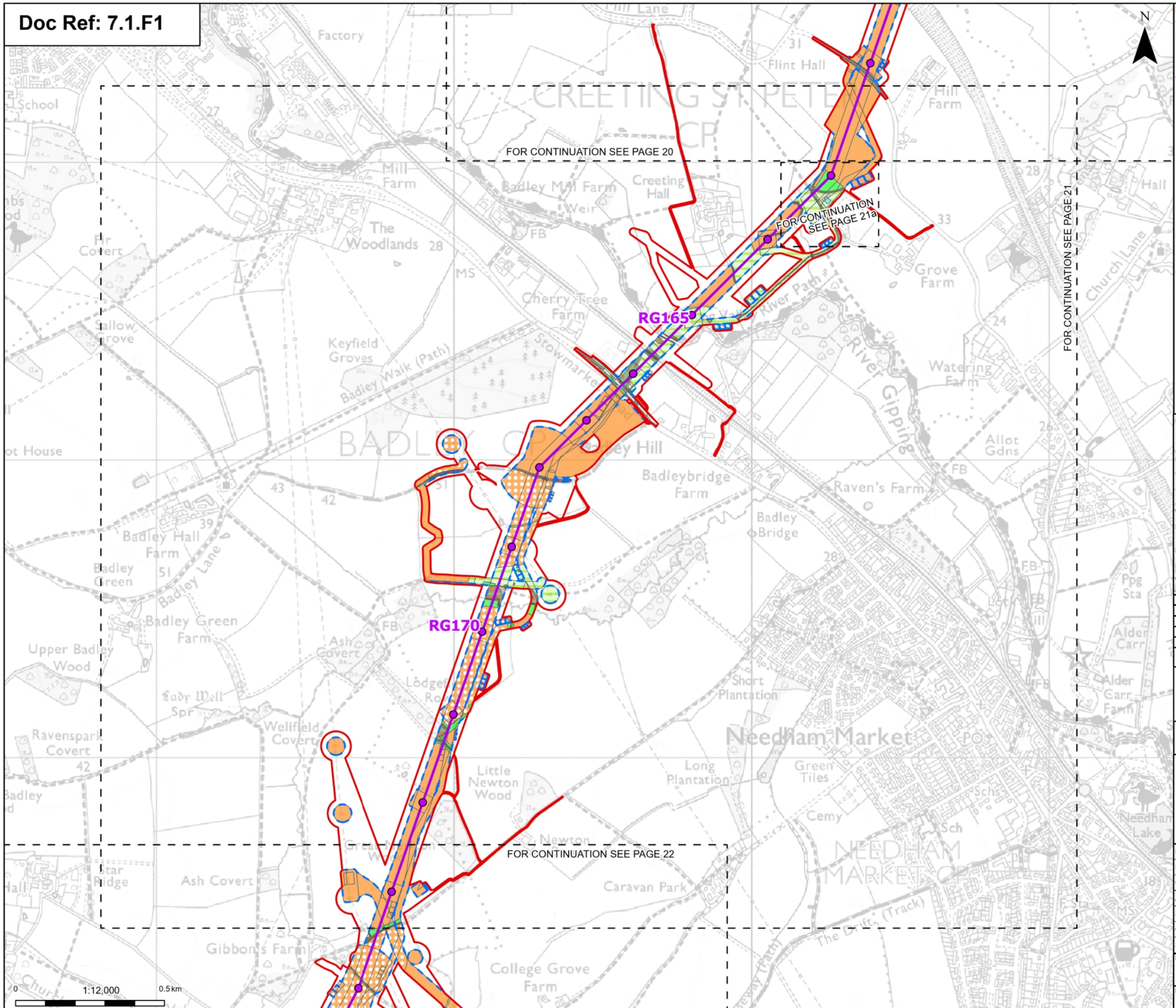
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:52:19

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Horticulture
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

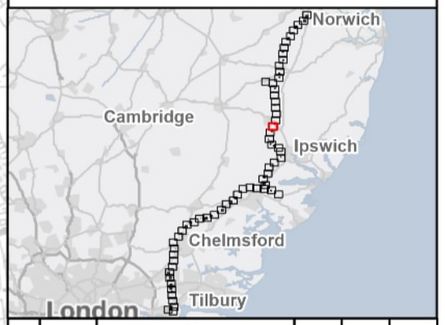
Sparsely vegetated land
- Ruderal/Ephemeral

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; mixed
- Wet woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 21 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

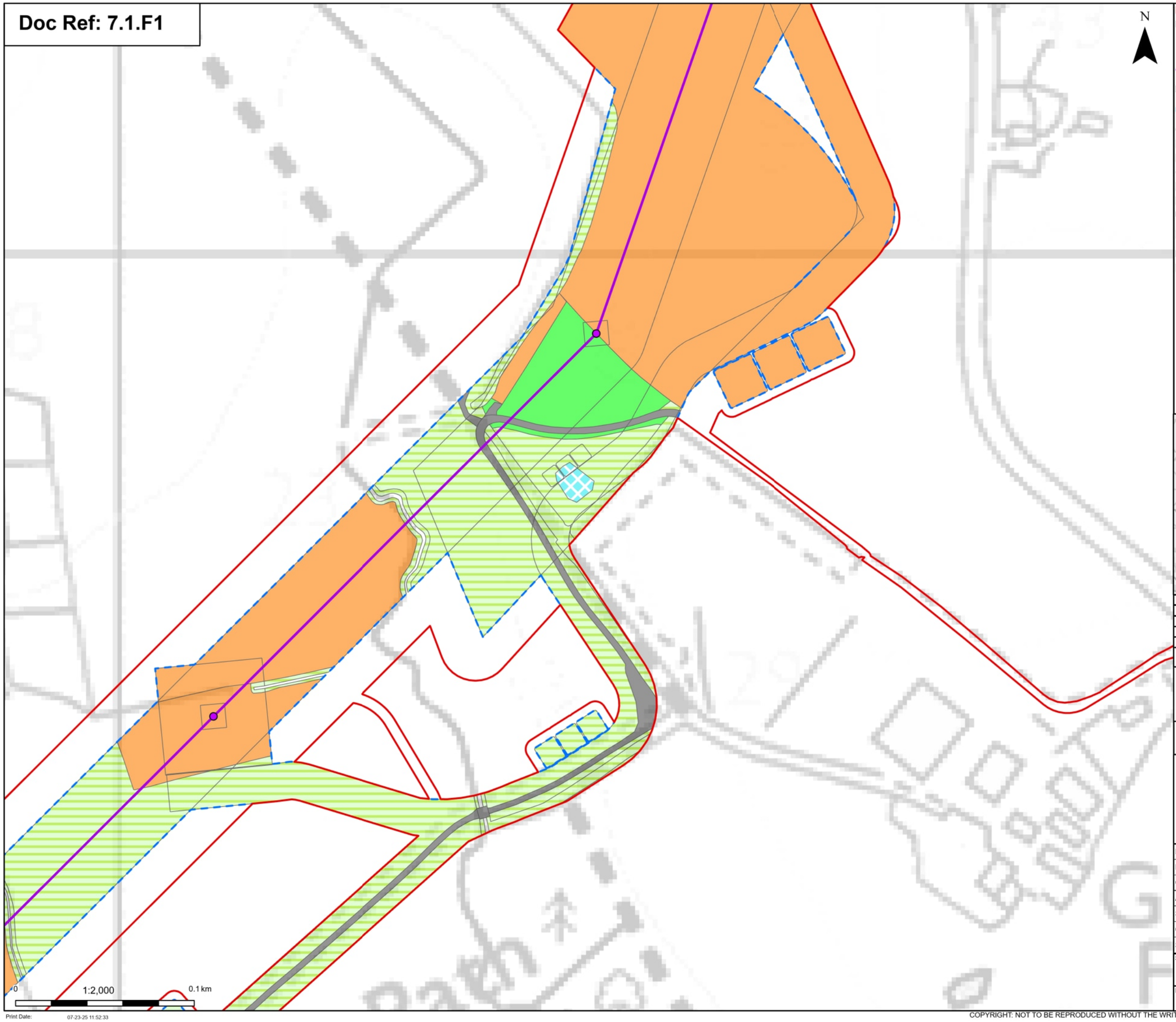
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:52:26

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Horticulture

Grassland

Modified grassland

Other neutral grassland

Urban

Developed land; sealed surface

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 21a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

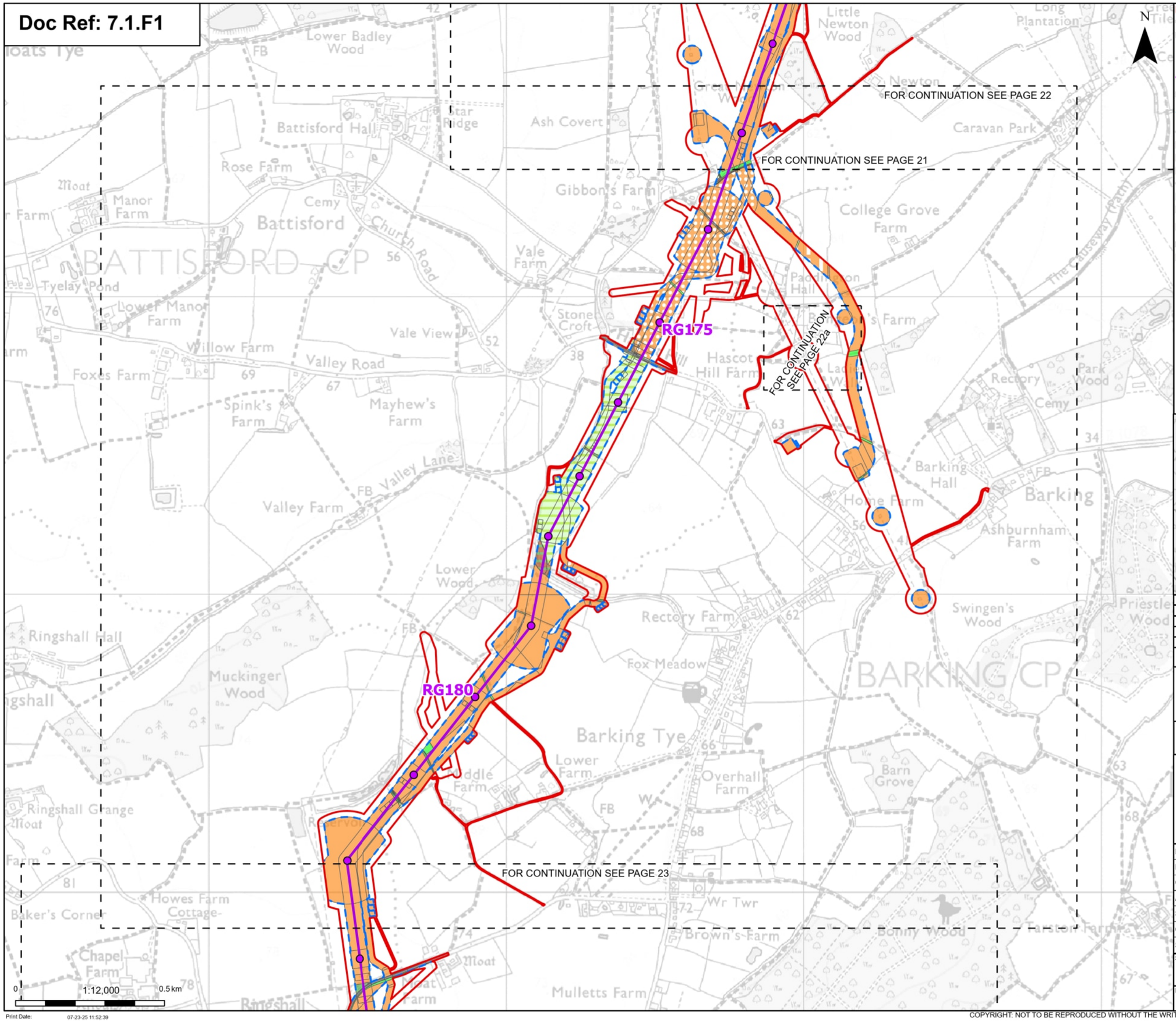
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:52:33

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland
- Lowland calcareous grassland

Heathland and shrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 22 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

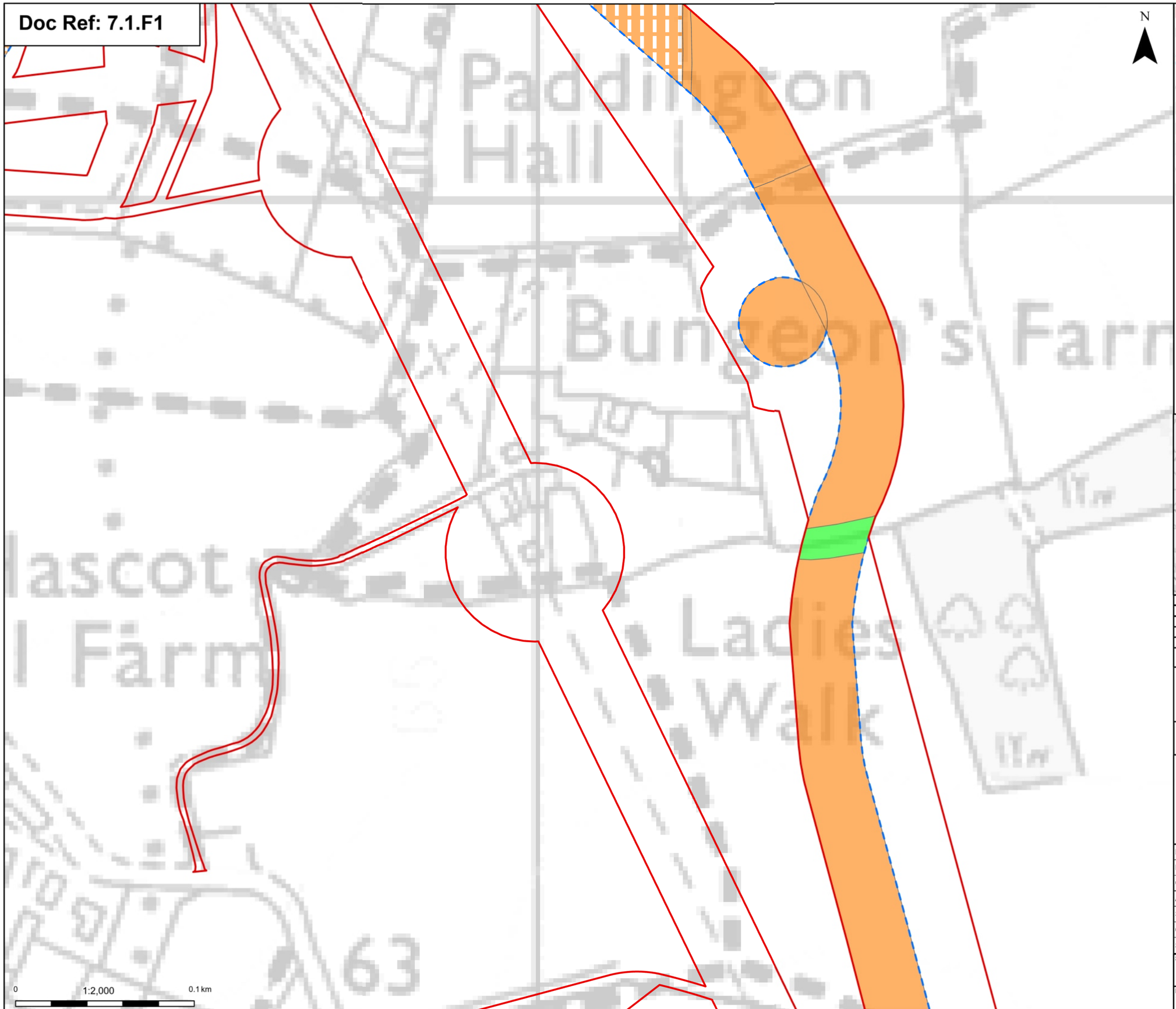
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:52:39

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Winter stubble

Grassland

Modified grassland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 22a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:52:47

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

FOR CONTINUATION SEE PAGE 22

FOR CONTINUATION SEE PAGE 23

FOR CONTINUATION SEE PAGE 23a

FOR CONTINUATION SEE PAGE 24

RG185

RG190

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:52:52

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland

- Modified grassland
- Other neutral grassland

Urban

- Bare ground
- Developed land; sealed surface

Lakes

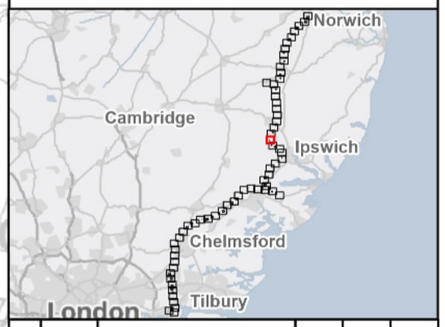
- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 23 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Winter stubble

Grassland

Modified grassland

Other neutral grassland

Urban

Developed land; sealed surface

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 23a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

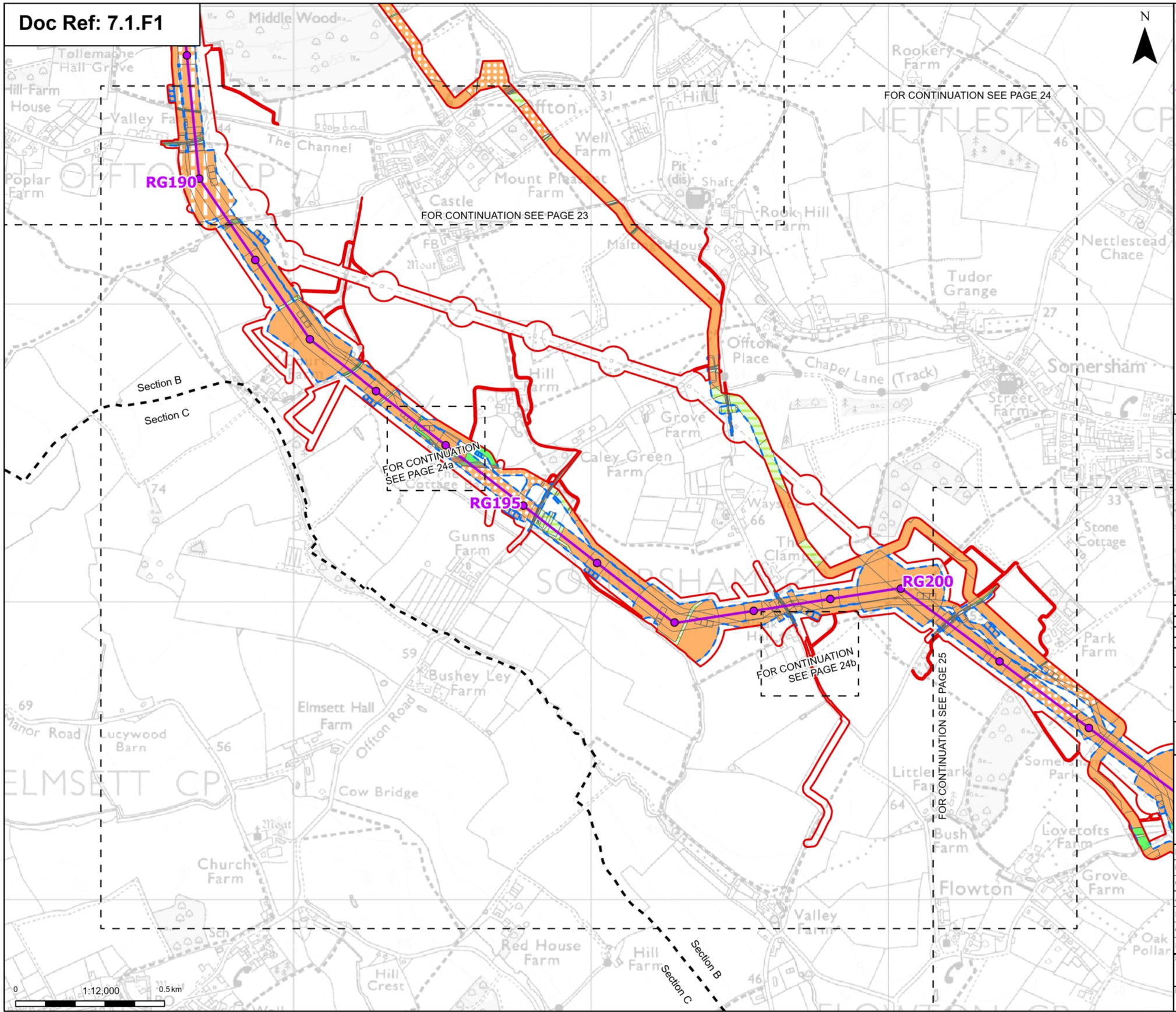
Revision: A

0 1:1,000 0.05 km

Print Date: 07-23-25 11:52:59

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins cultivated annually
Cereal crops
Non-cereal crops
Winter stubble

Grassland

Modified grassland
Other neutral grassland

Urban

Artificial unvegetated, unsealed surface
Bare ground
Built linear features
Developed land; sealed surface

Lakes

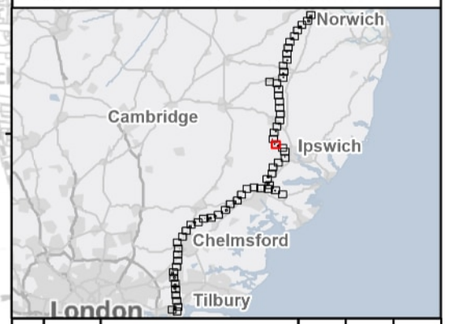
Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 24 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765
Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Urban

Bare ground

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

RG195

0 1:2,000 0.1 km

Print Date: 07-23-25 11:53:12

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 24a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

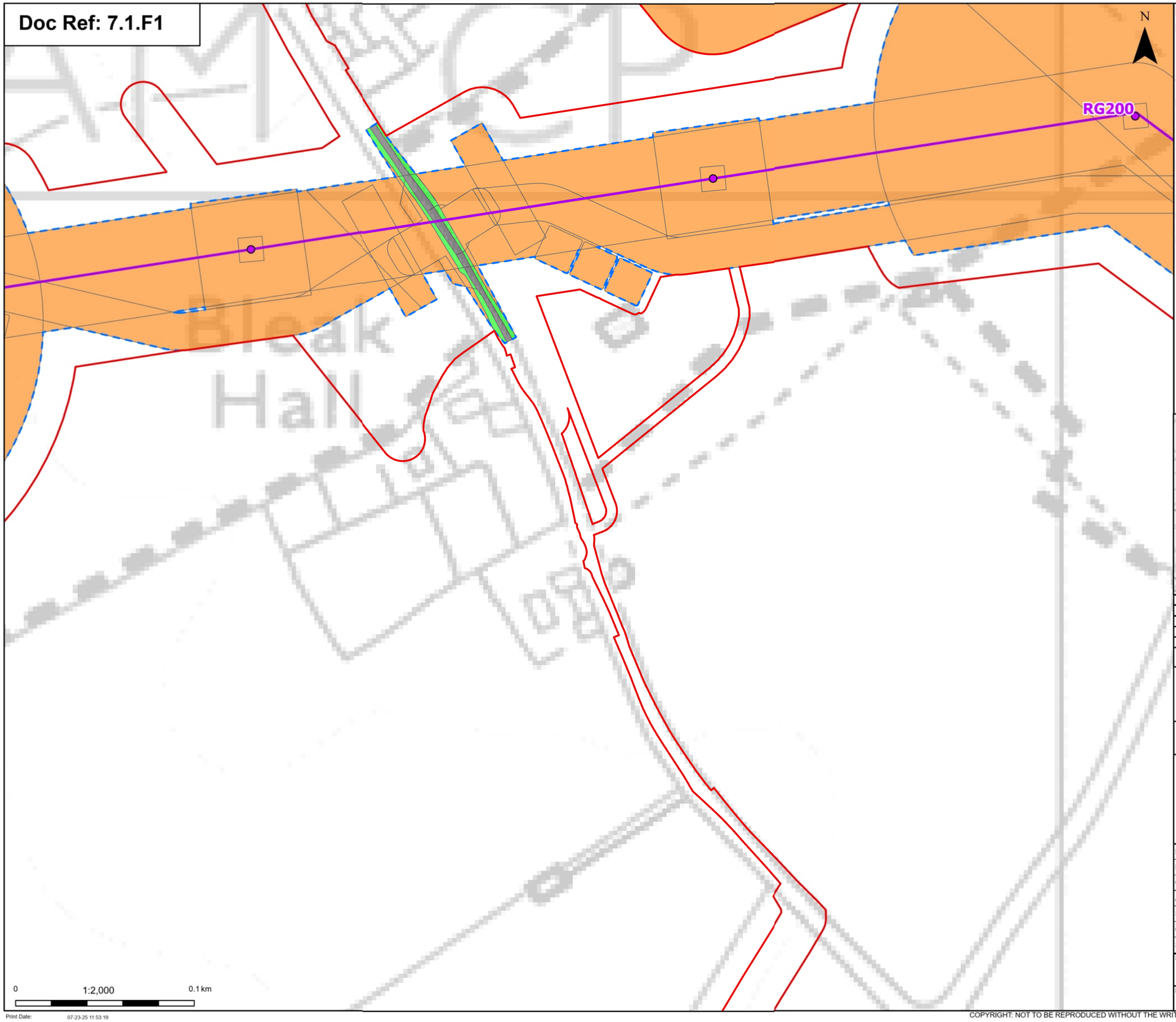
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

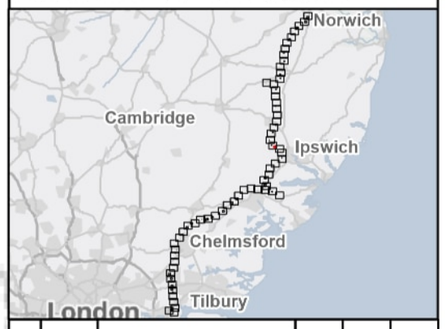
Modified grassland

Urban

Developed land; sealed surface

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 24b of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

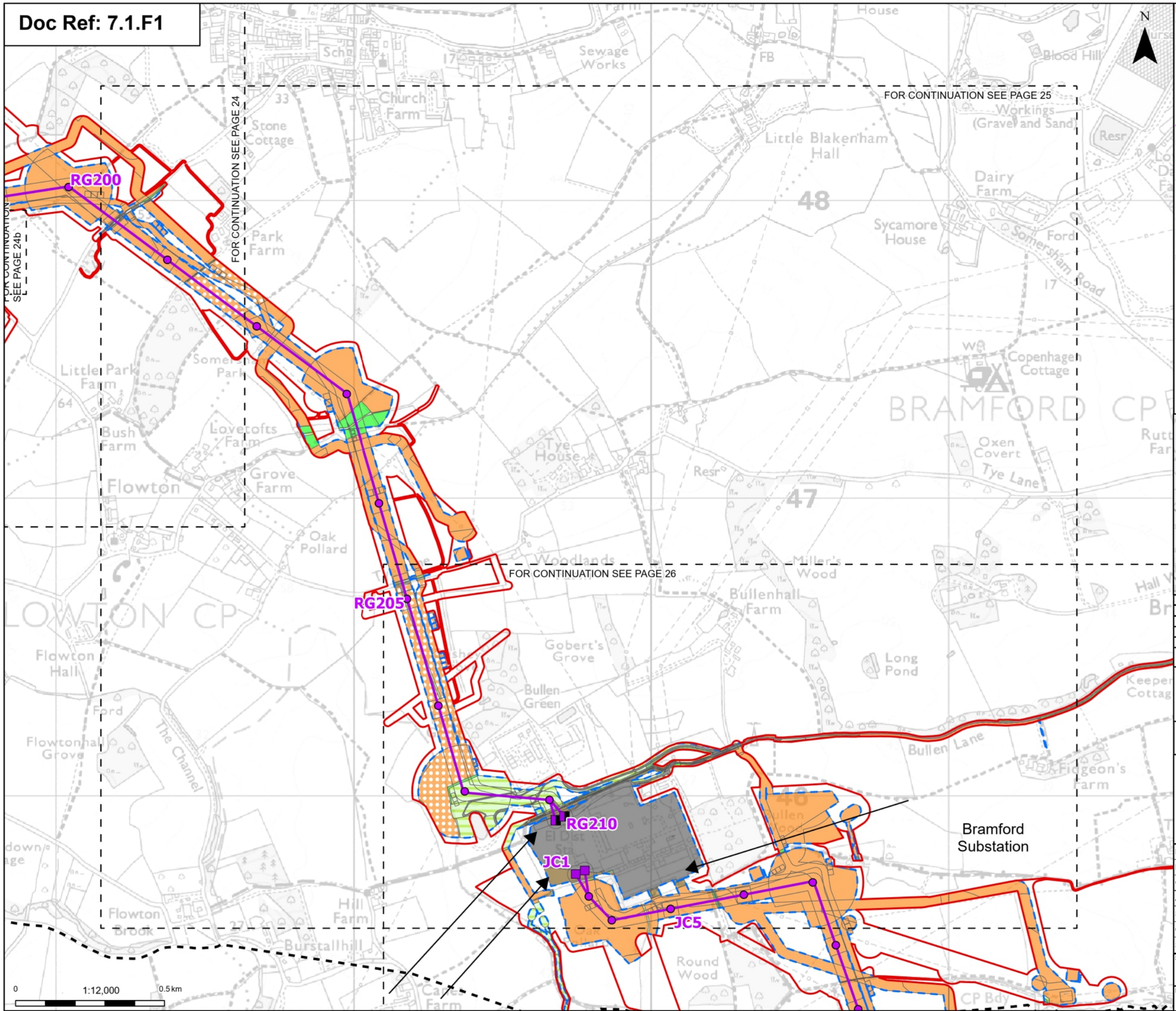
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:53:19

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- 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

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

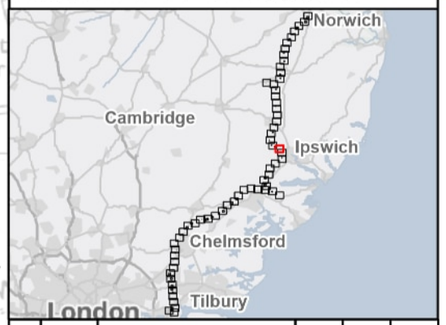
Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 25 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

RG205

RG210

JC1

JC5

JC10

Bramford Substation

Proposed substation extension

FOR CONTINUATION SEE PAGE 26

FOR CONTINUATION SEE PAGE 25

FOR CONTINUATION SEE PAGE 27

Section B

Section C

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:53:32

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

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

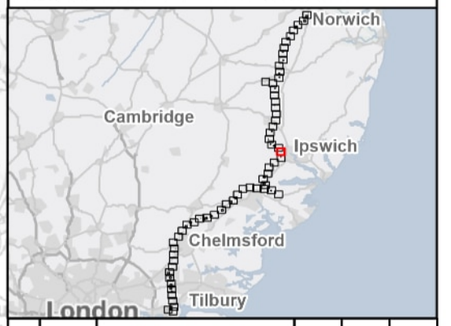
Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 26 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

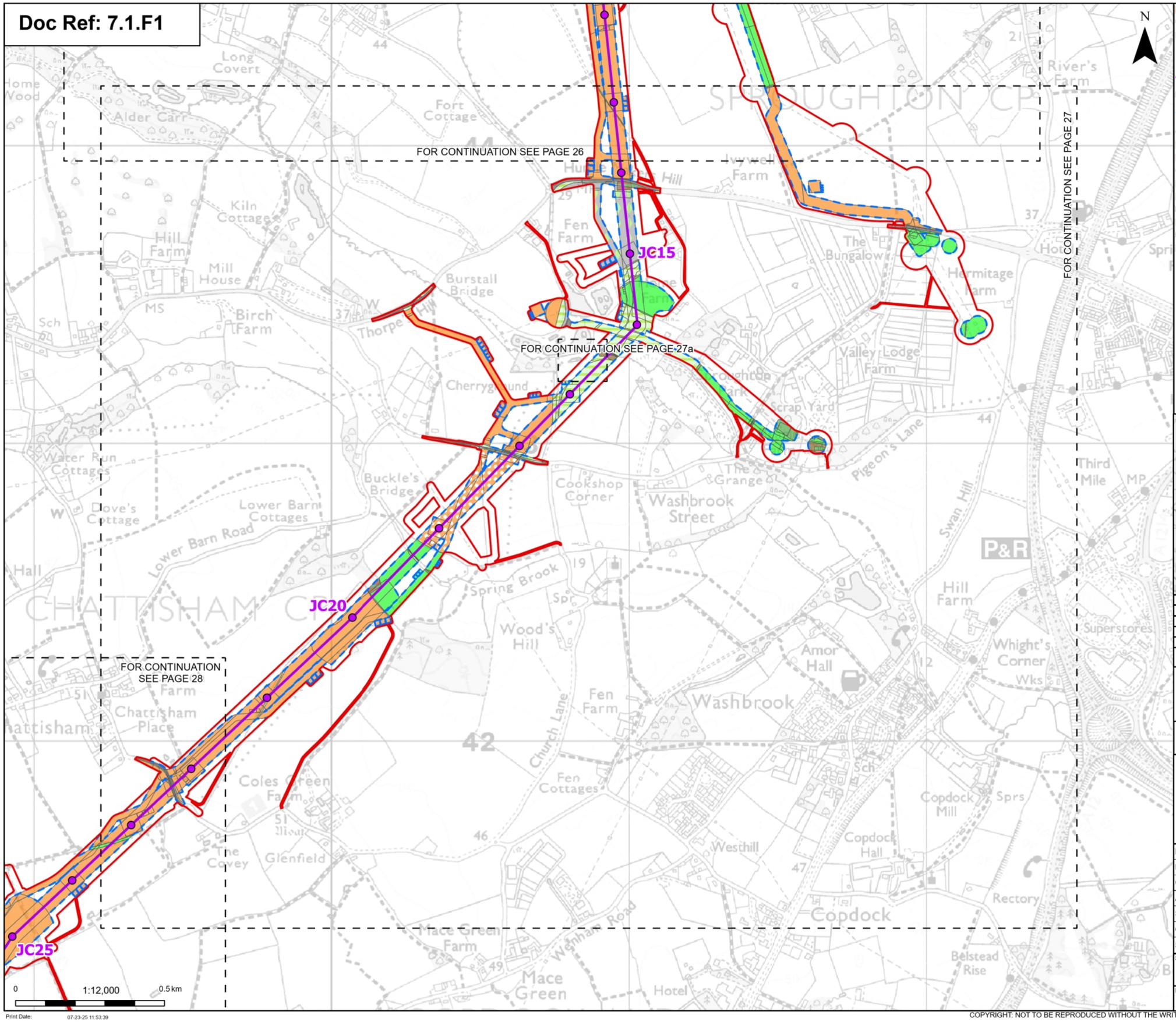
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

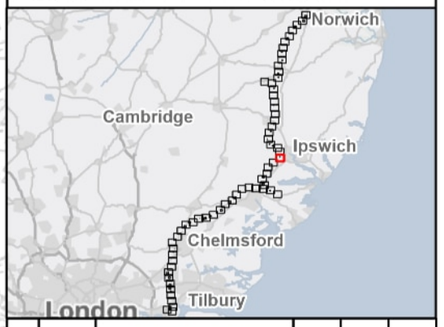
Urban
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 27 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

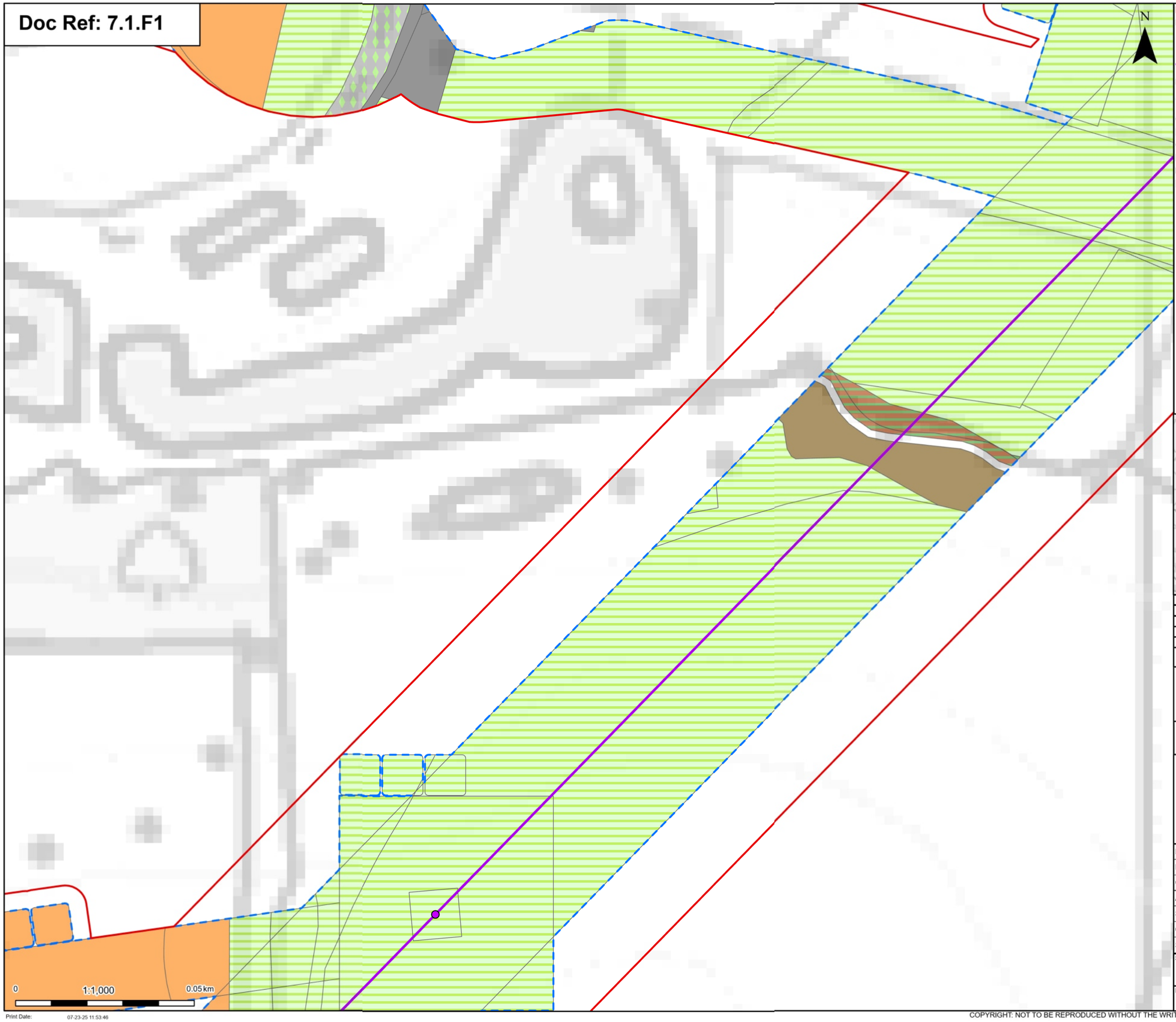
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:53:39

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 27a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

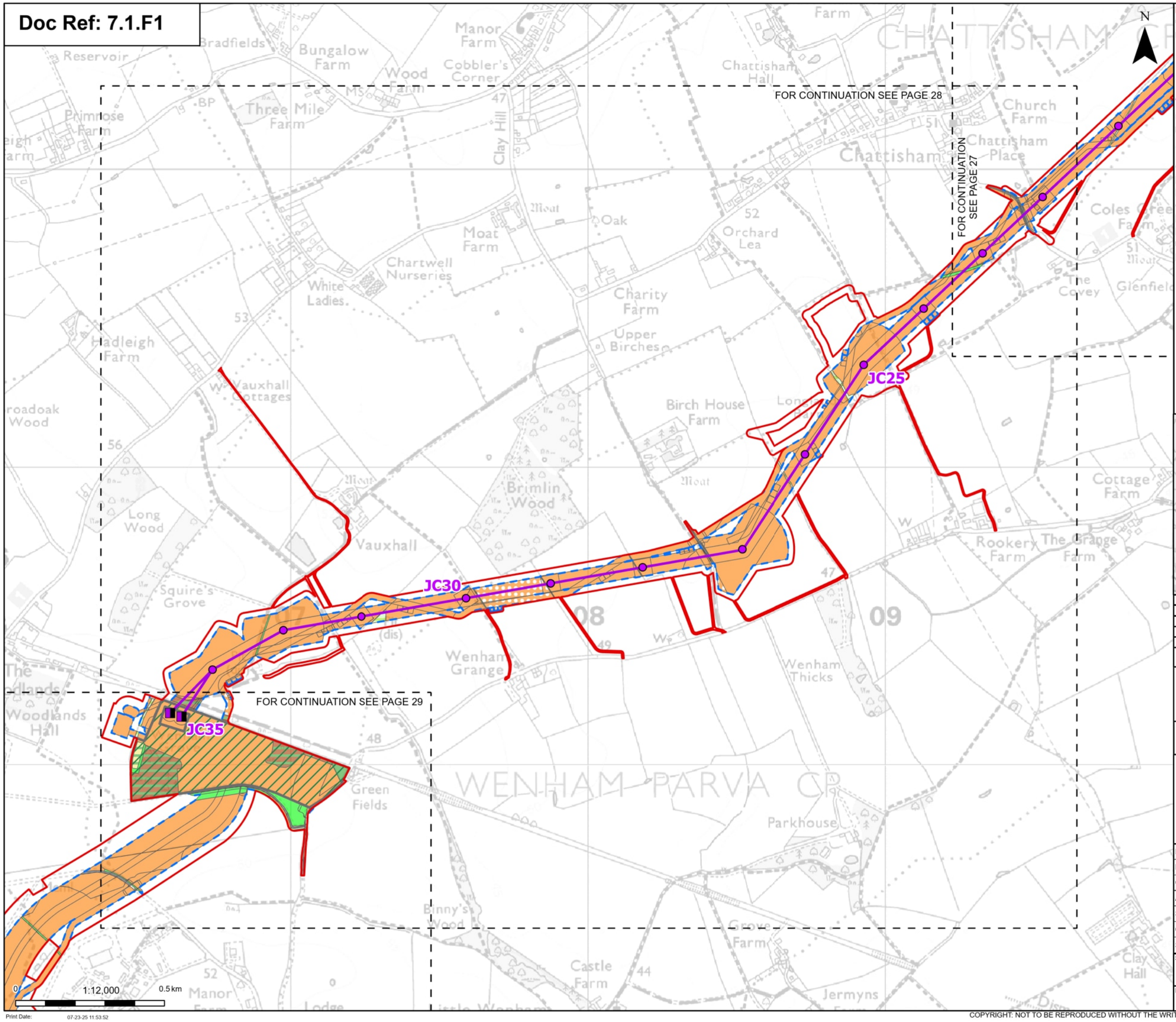
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:53:46

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

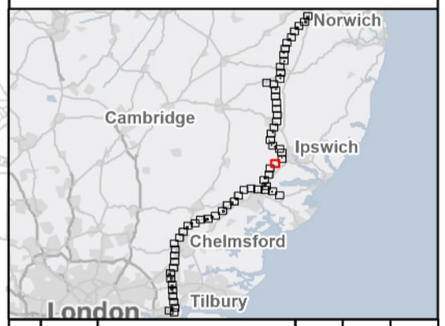
Urban
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 28 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

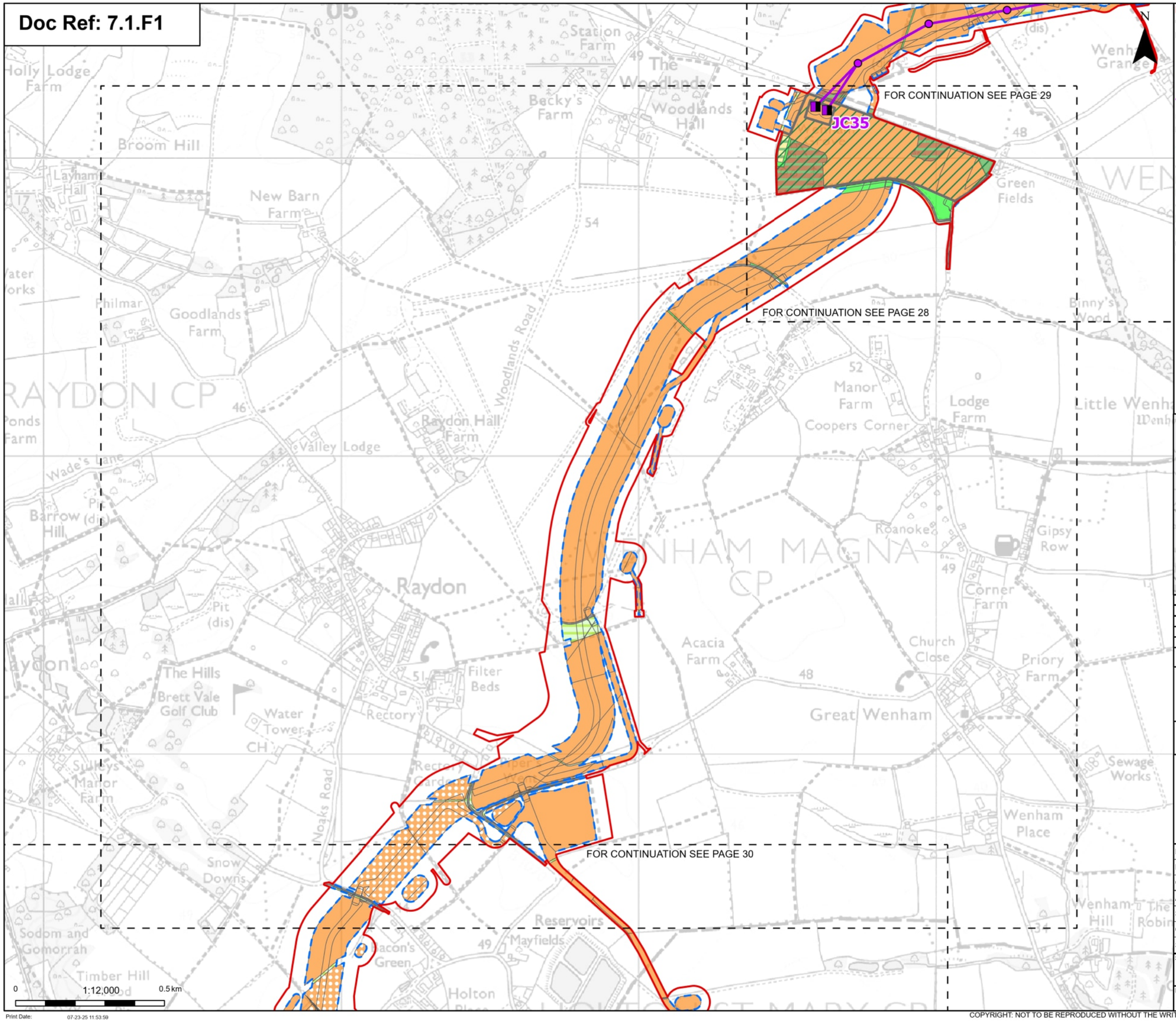
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:53:52

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

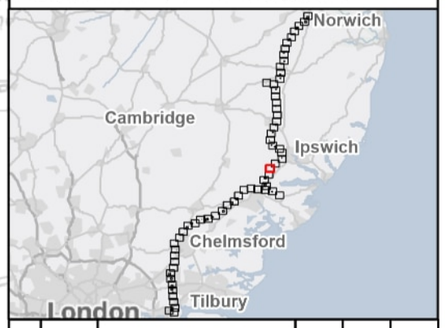
Urban
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 29 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

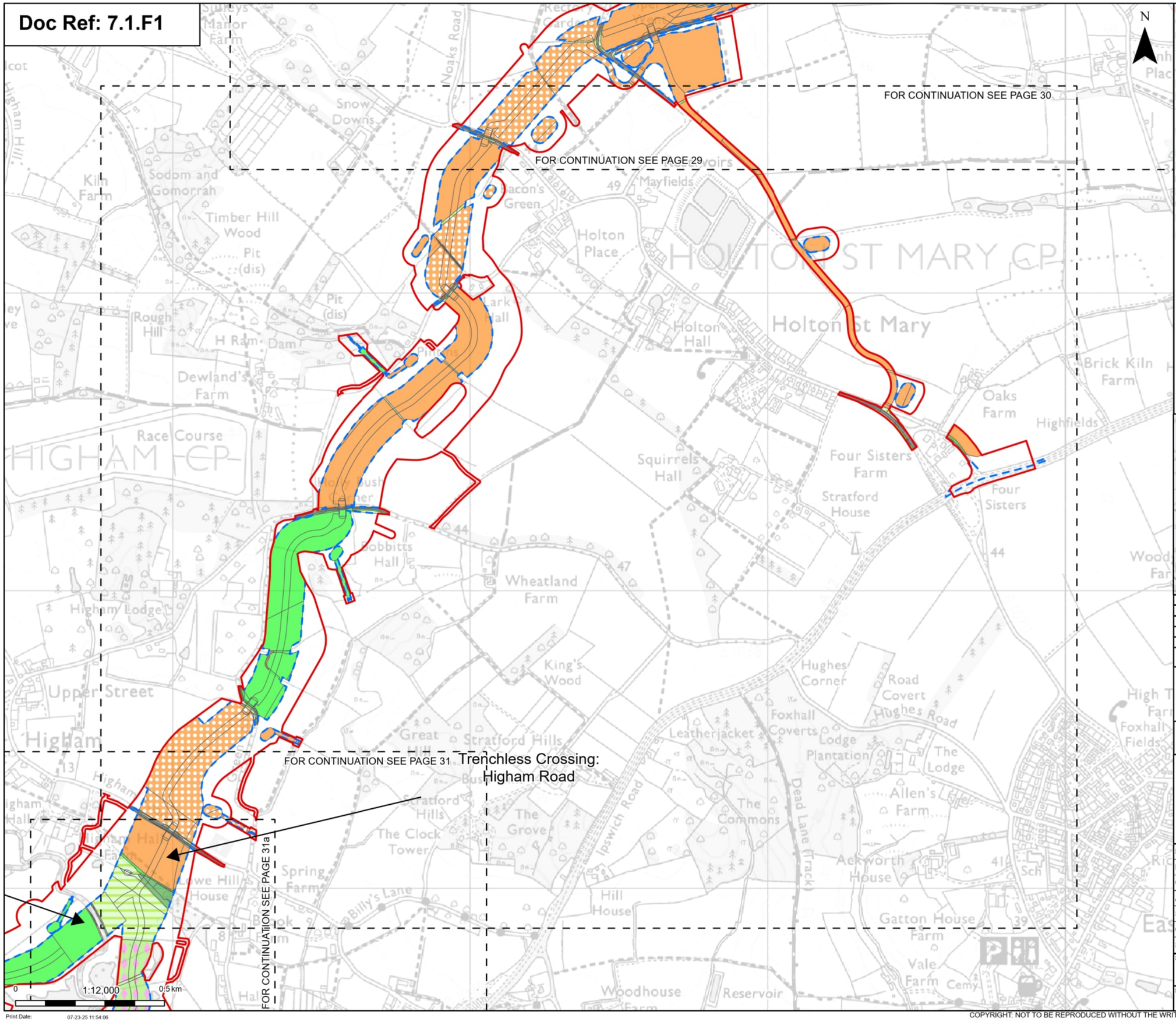
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:53:59

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Built linear features
- Developed land; sealed surface
- Vegetated garden

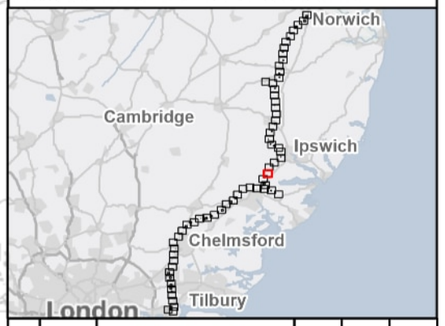
Lakes
- Ponds (priority habitat)
- Reservoirs

Wetland
- Reedbeds

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 - UK Habitat Classification Map (pre-development baseline)
Page 30 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

Trenchless Crossing:
River Stour (north part)

Trenchless Crossing:
River Stour (south part)

Trenchless Crossing:
Higham Road

FOR CONTINUATION SEE PAGE 31

FOR CONTINUATION SEE PAGE 31a

FOR CONTINUATION SEE PAGE 30

FOR CONTINUATION SEE PAGE 32

N

0 1:12,000 0.5 km

Order limits
Sheet index cutline

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland
- Other lowland acid grassland

Heathland and shrub
- Bramble scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

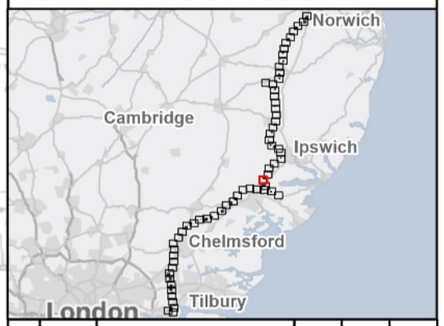
Lakes
- Ponds (priority habitat)
- Reservoirs

Wetland
- Reedbeds

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 31 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

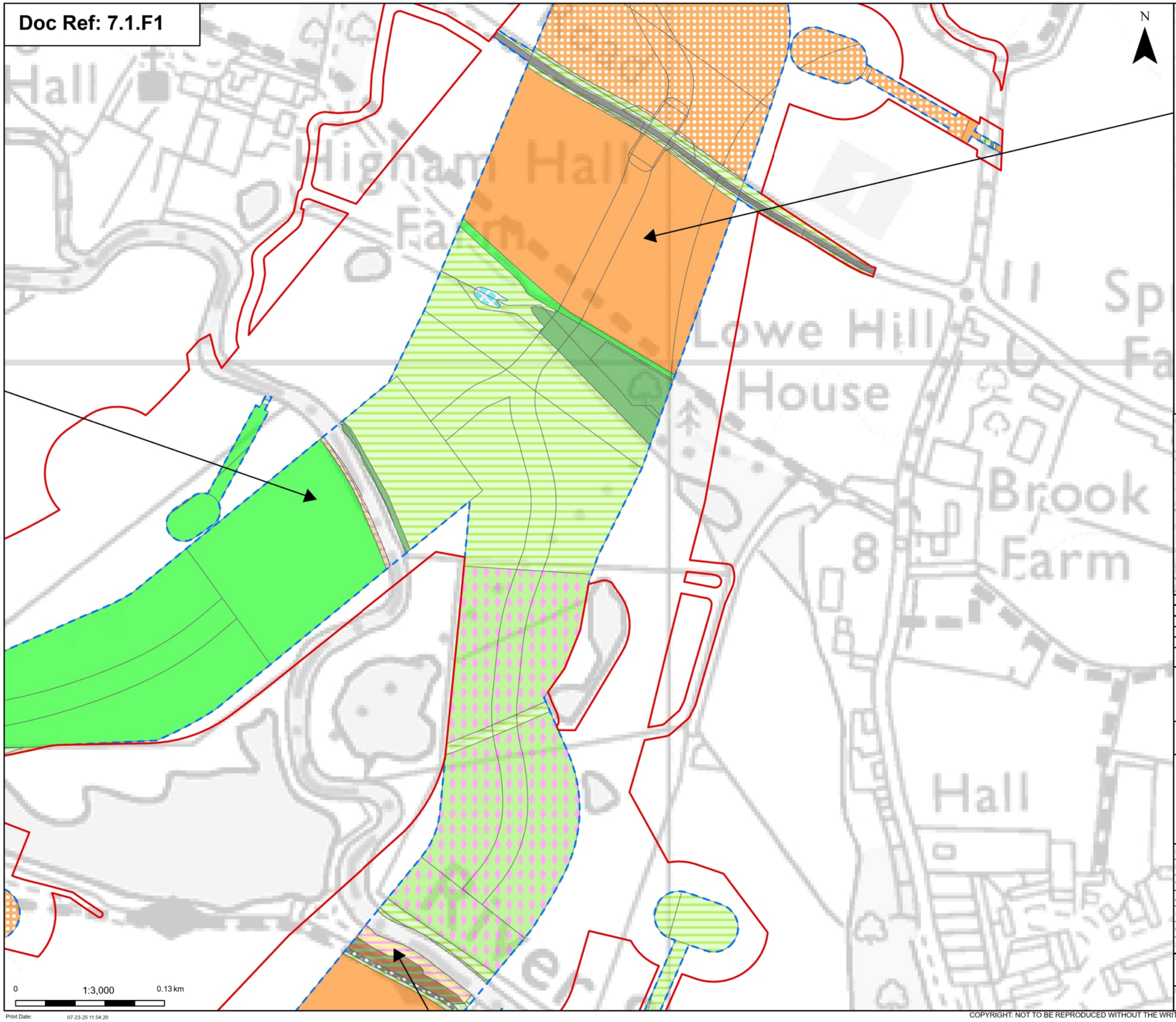
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:54:13

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Floodplain wetland mosaic and coastal floodplain grazing marsh

Modified grassland

Other neutral grassland

Urban

Artificial unvegetated, unsealed surface

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Wetland

Reedbeds

Woodland and forest

Lowland mixed deciduous woodland

Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 31a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

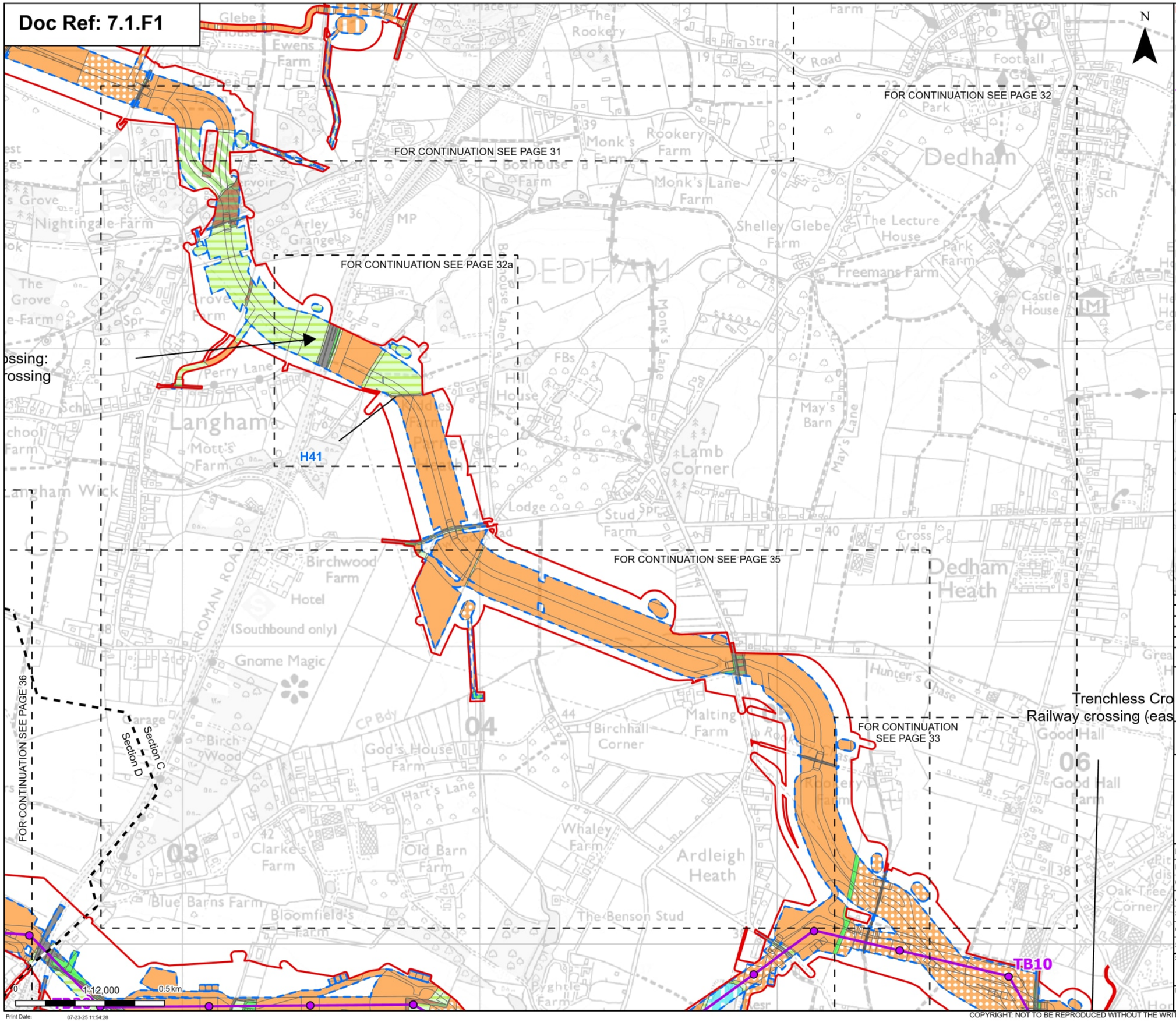
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:54:20

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble

Grassland
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland
- Other lowland acid grassland

Heathland and shrub
- Bramble scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Vegetated garden

Lakes
- Ponds (priority habitat)
- Reservoirs

Wetland
- Reedbeds

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 32 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

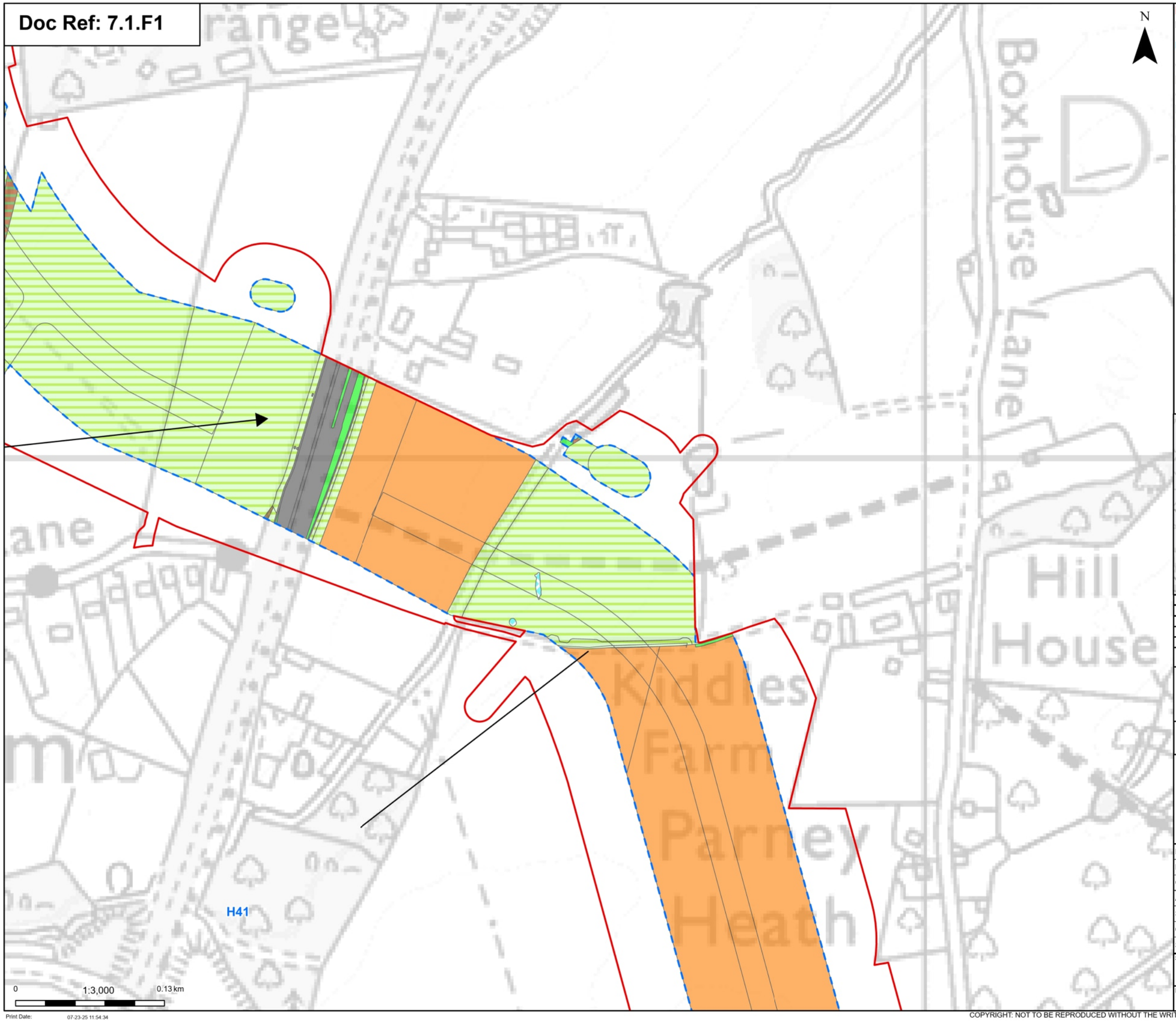
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:54:28

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Urban

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 32a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:54:34

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

Trenchless Crossing:
Railway crossing (east-of-Ardleigh)

FOR CONTINUATION SEE PAGE 32

FOR CONTINUATION SEE PAGE 33

FOR CONTINUATION SEE PAGE 35

FOR CONTINUATION SEE PAGE 33a

FOR CONTINUATION SEE PAGE 34

TB10

TB5

TB1

Proposed EACN Substation

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:54:41

Order limits
Sheet index cutline

Proposed project design details
Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints
Maximum construction boundary

Cropland
Cereal crops
Horticulture
Intensive orchards
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub

Urban
Artificial unvegetated, unsealed surface

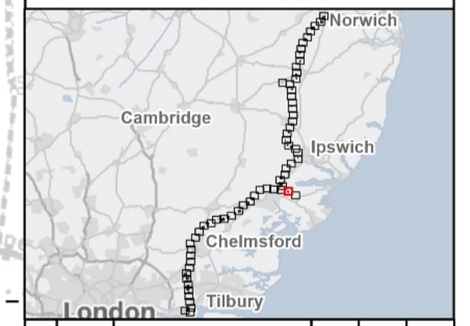
Bare ground
Built linear features
Developed land; sealed surface
Vegetated garden

Lakes
Ornamental lake or pond
Ponds (priority habitat)
Reservoirs

Woodland and forest
Lowland mixed deciduous woodland
Other coniferous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 33 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

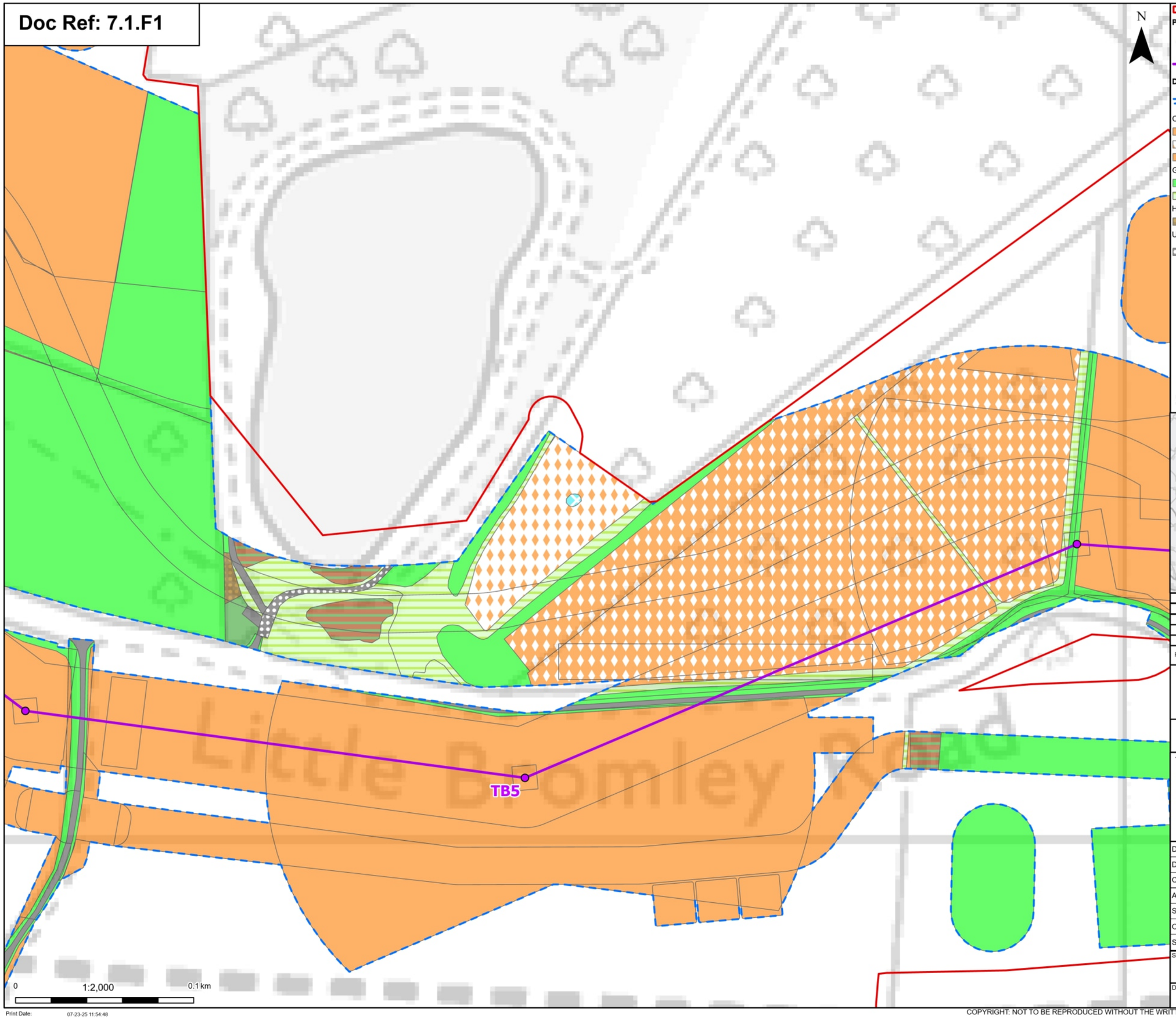
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Cereal crops
- Horticulture
- Intensive orchards

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Bramble scrub

Urban

- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Lakes

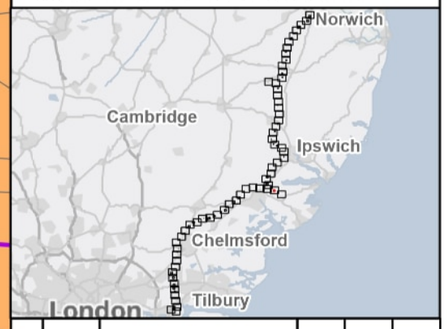
- Ornamental lake or pond
- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 33a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

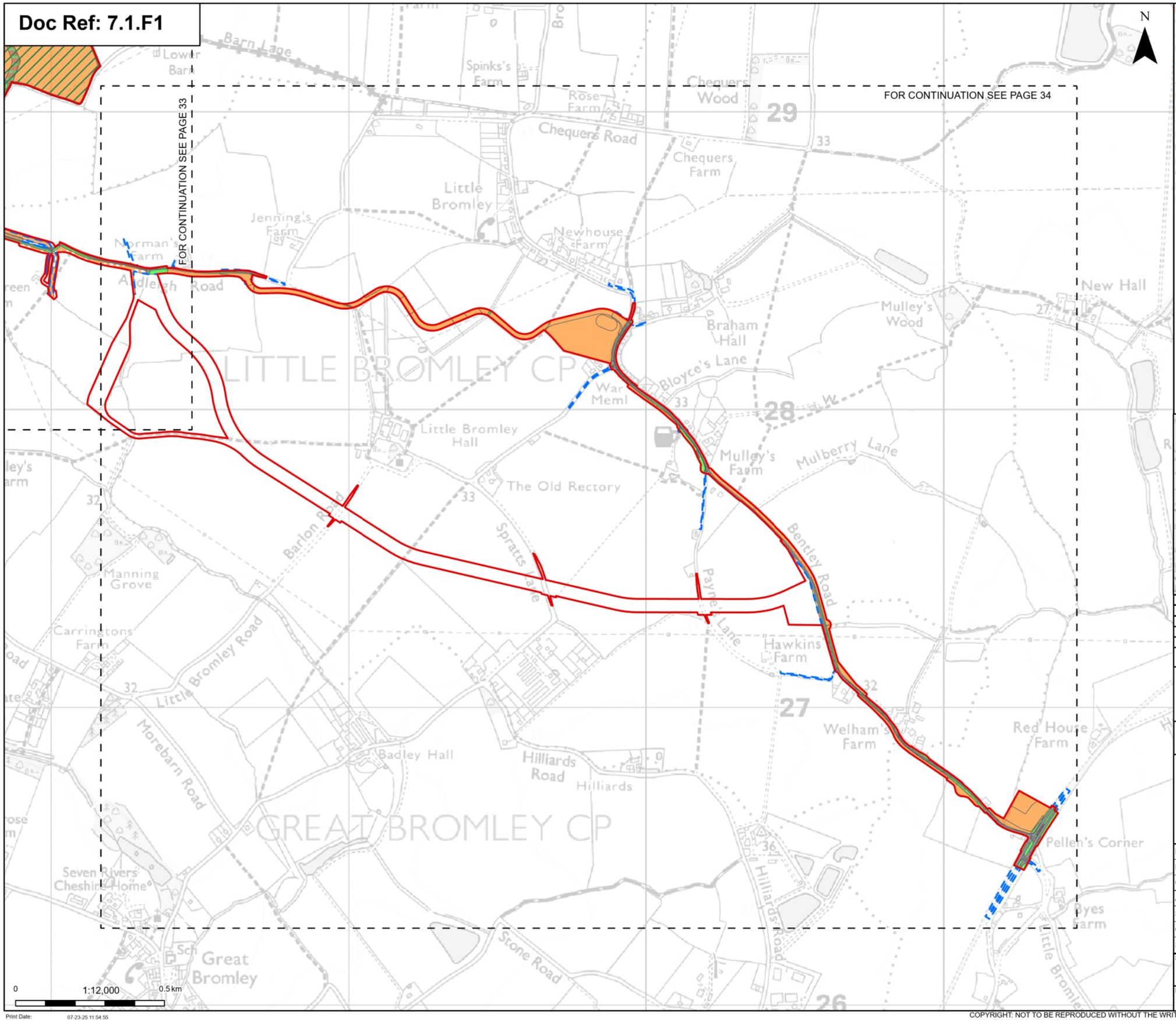
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:54:48

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Environmental area

Discipline specific constraints

Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland

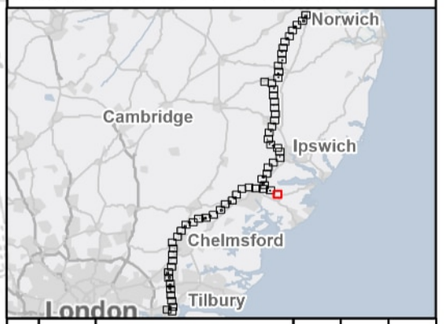
Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 34 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

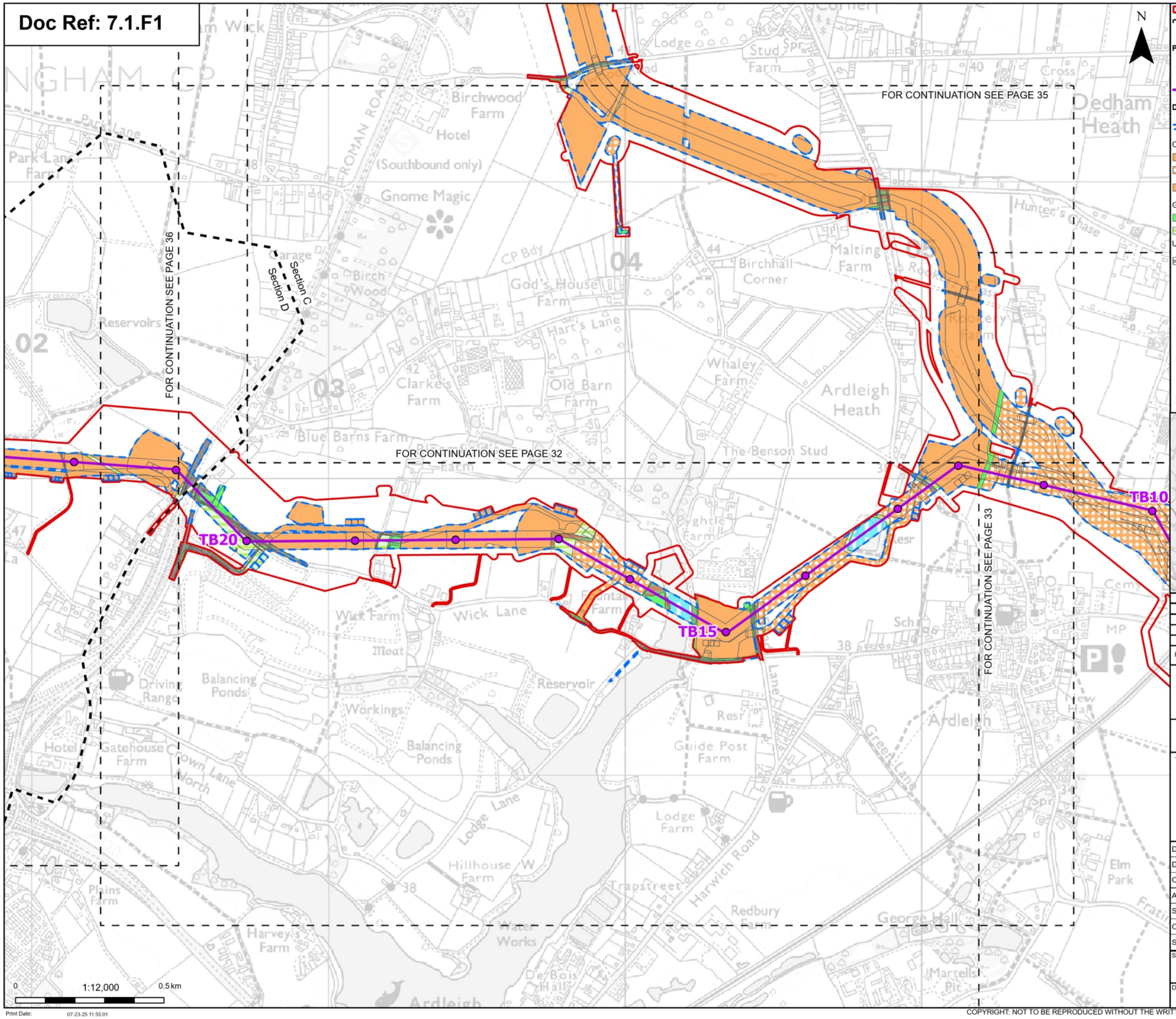
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:54:55

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

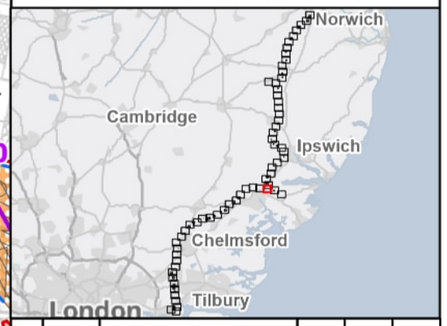
Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface
- Vegetated garden

Lakes
- Reservoirs

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 35 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

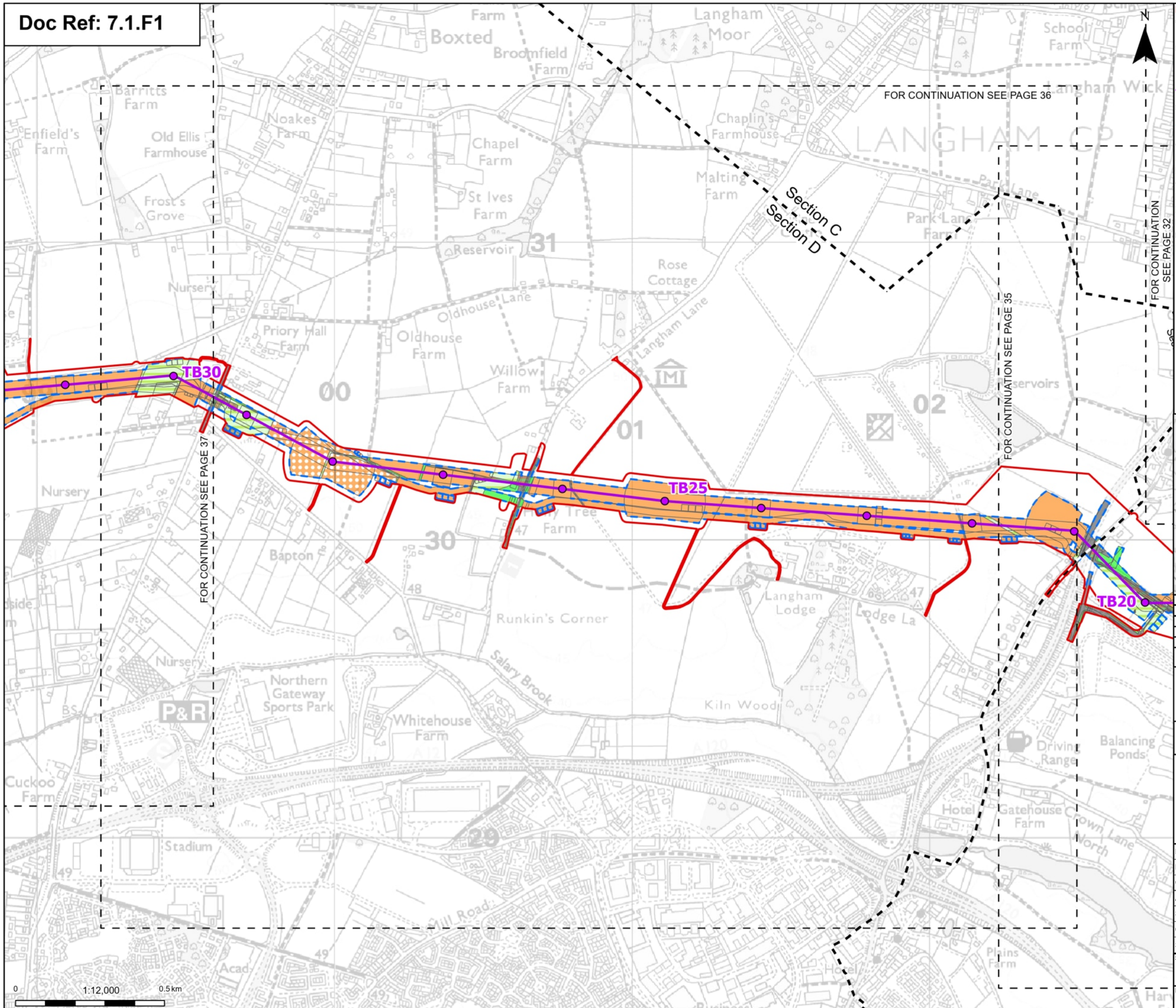
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:55:01

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Bracken
- Modified grassland
- Other neutral grassland

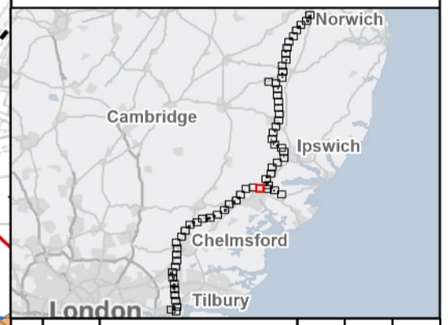
Heathland and shrub
- Bramble scrub
- Willow scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 36 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

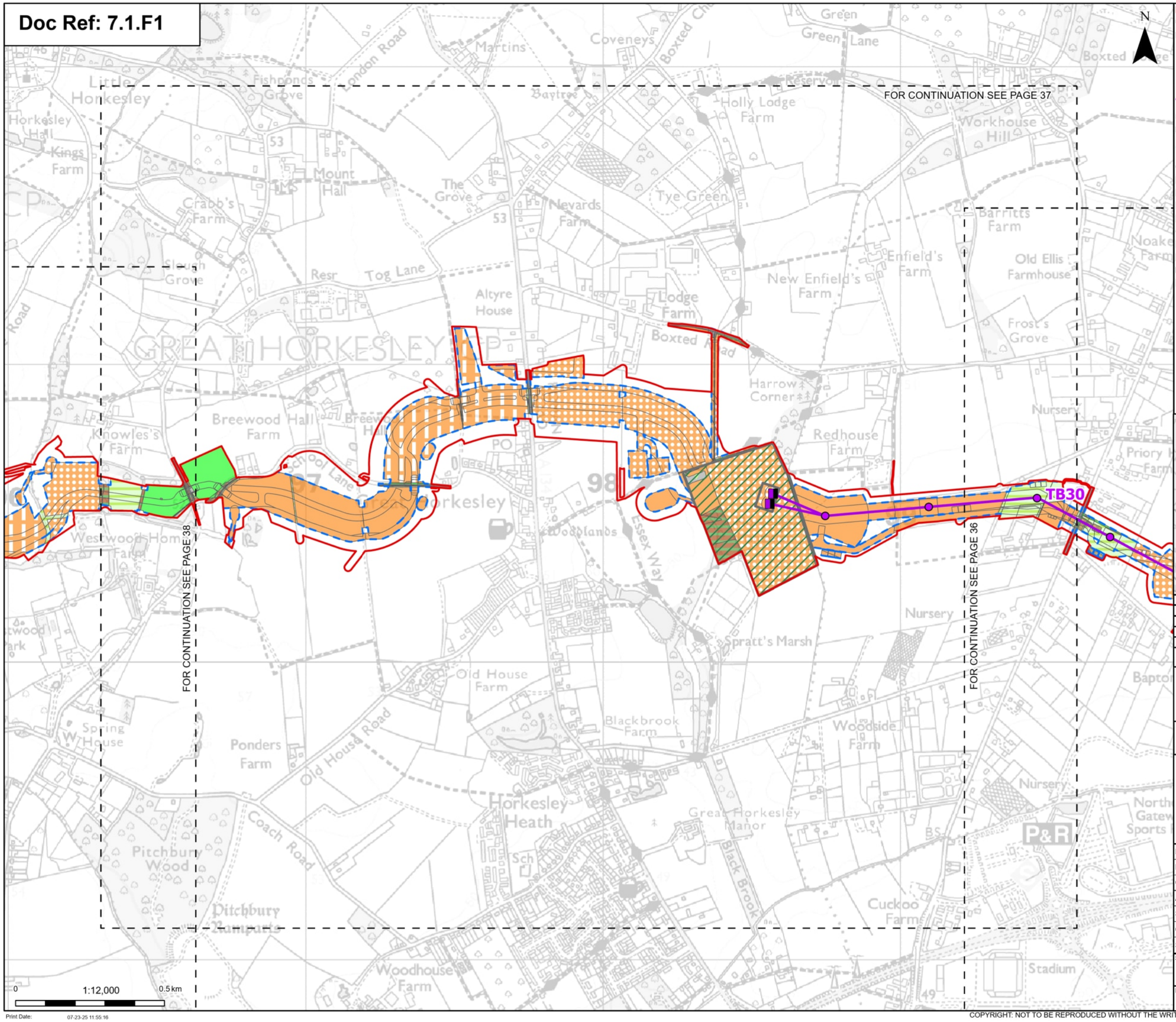
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:55:09

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details

Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Intensive orchards
Non-cereal crops
Winter stubble

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Willow scrub

Urban
Artificial unvegetated, unsealed surface
Developed land; sealed surface
Vegetated garden

Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 - UK Habitat Classification Map (pre-development baseline)

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

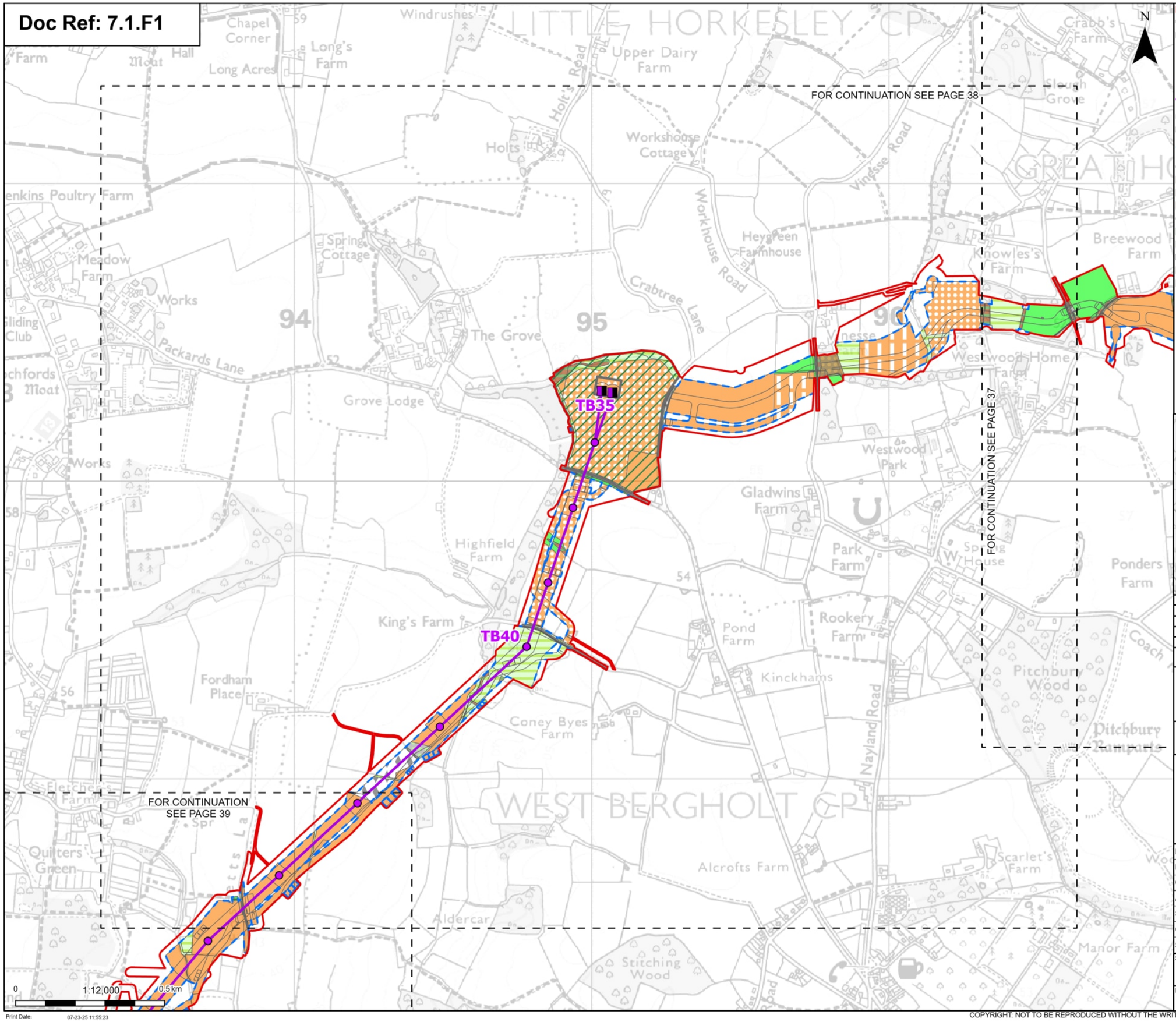
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:55:16

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ornamental lake or pond

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 38 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

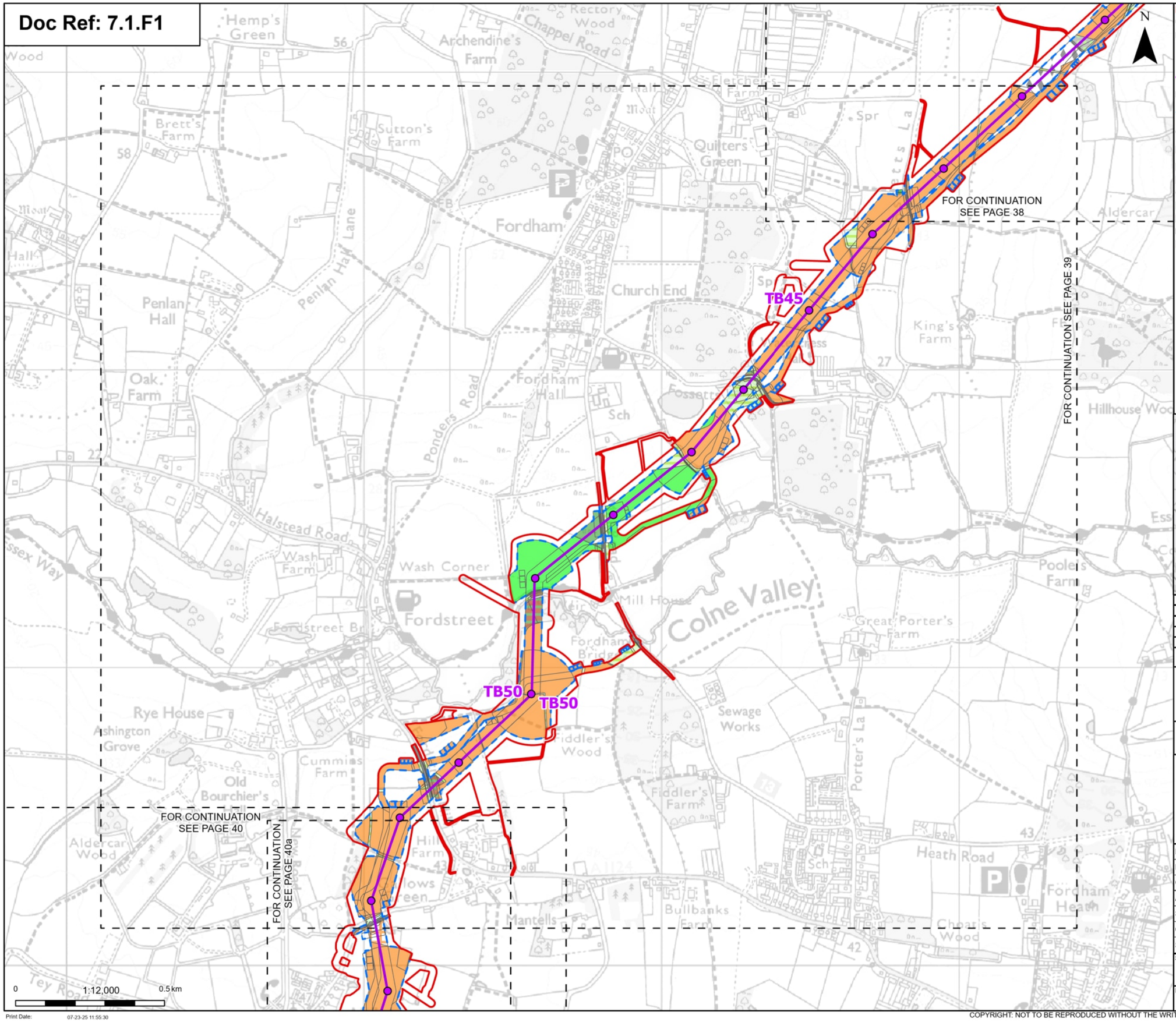
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:55:23

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Developed land; sealed surface

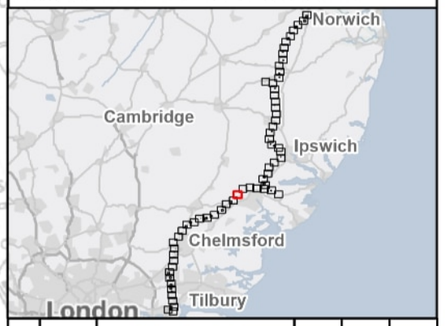
Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 39 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

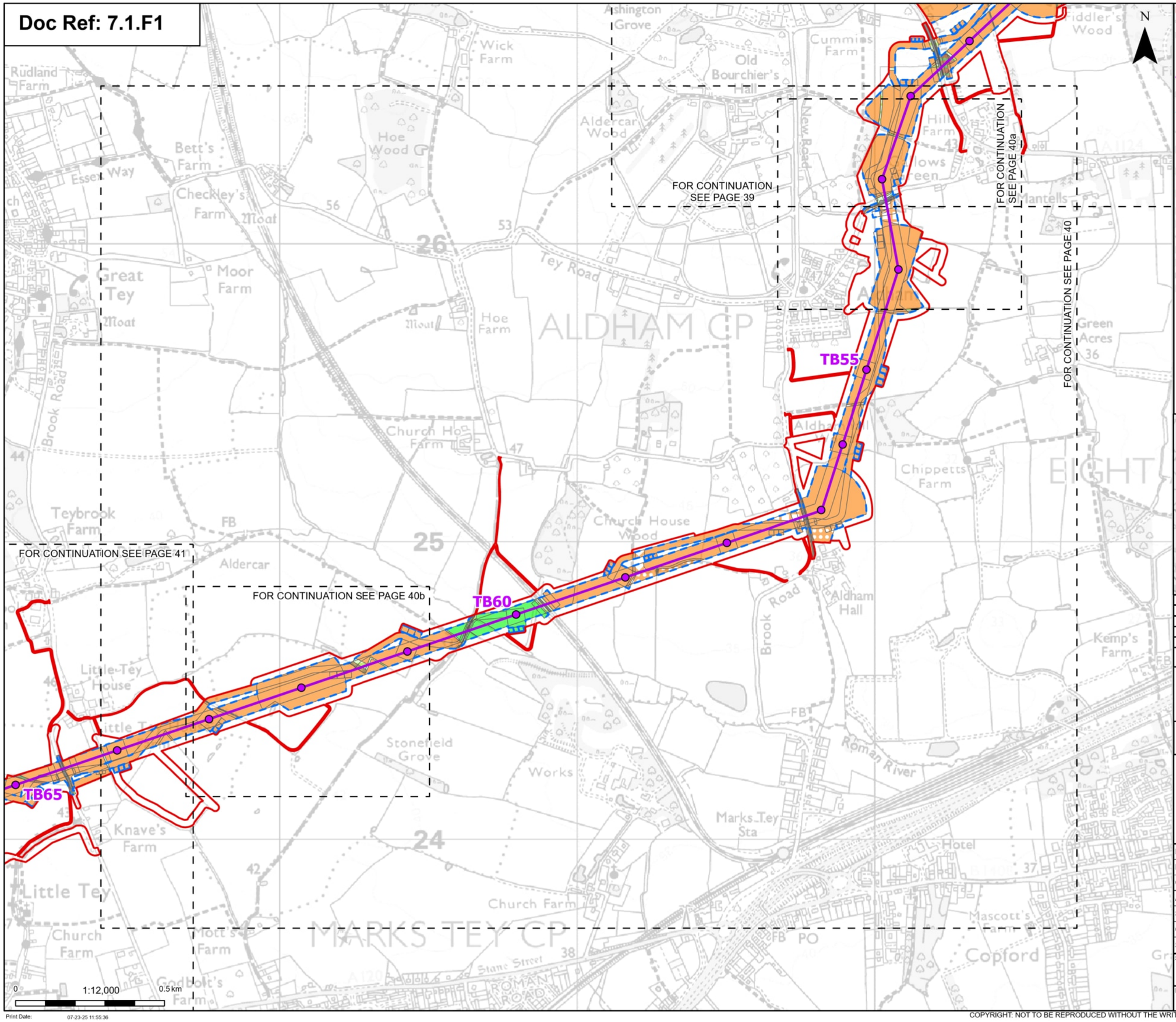
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:55:30

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Arable field margins pollen and nectar
- Arable field margins tussocky
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub

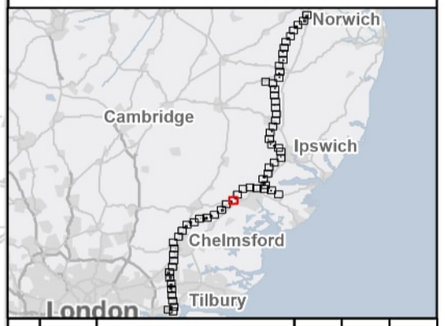
Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 40 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

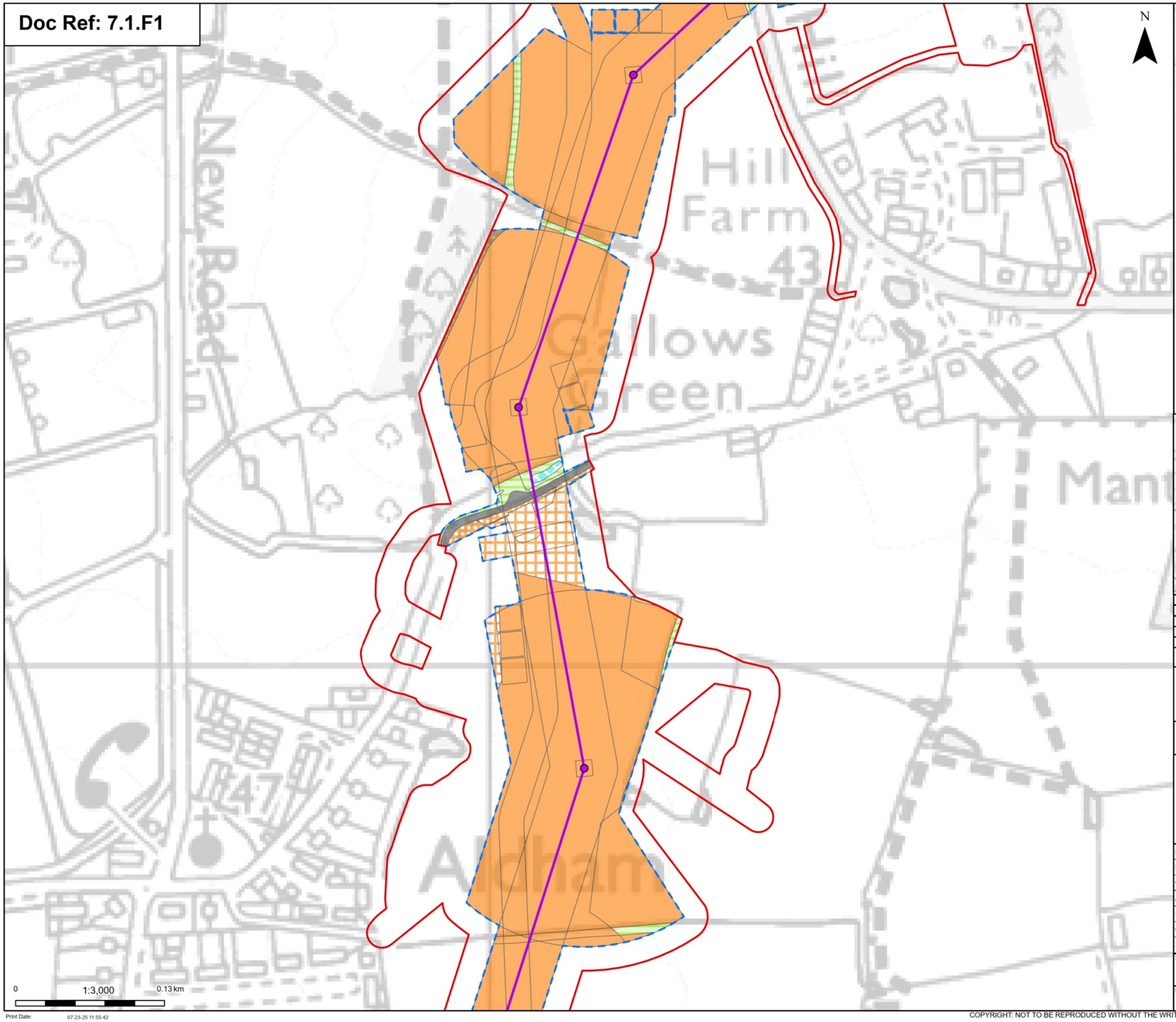
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:55:36

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins game bird mix

Cereal crops

Non-cereal crops

Grassland

Other neutral grassland

Urban

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 40a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

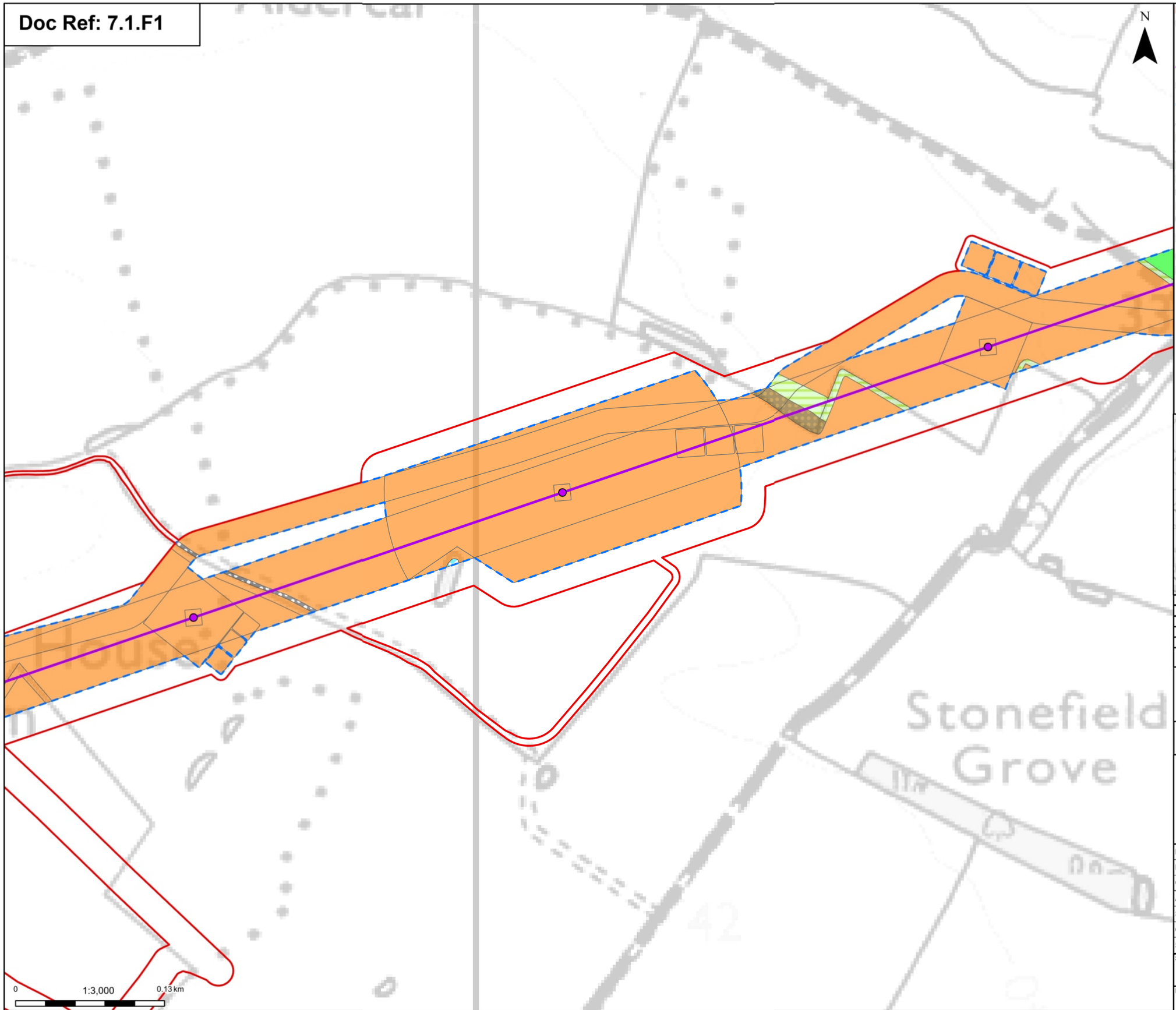
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:55:42

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Urban

Artificial unvegetated, unsealed surface

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 40b of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

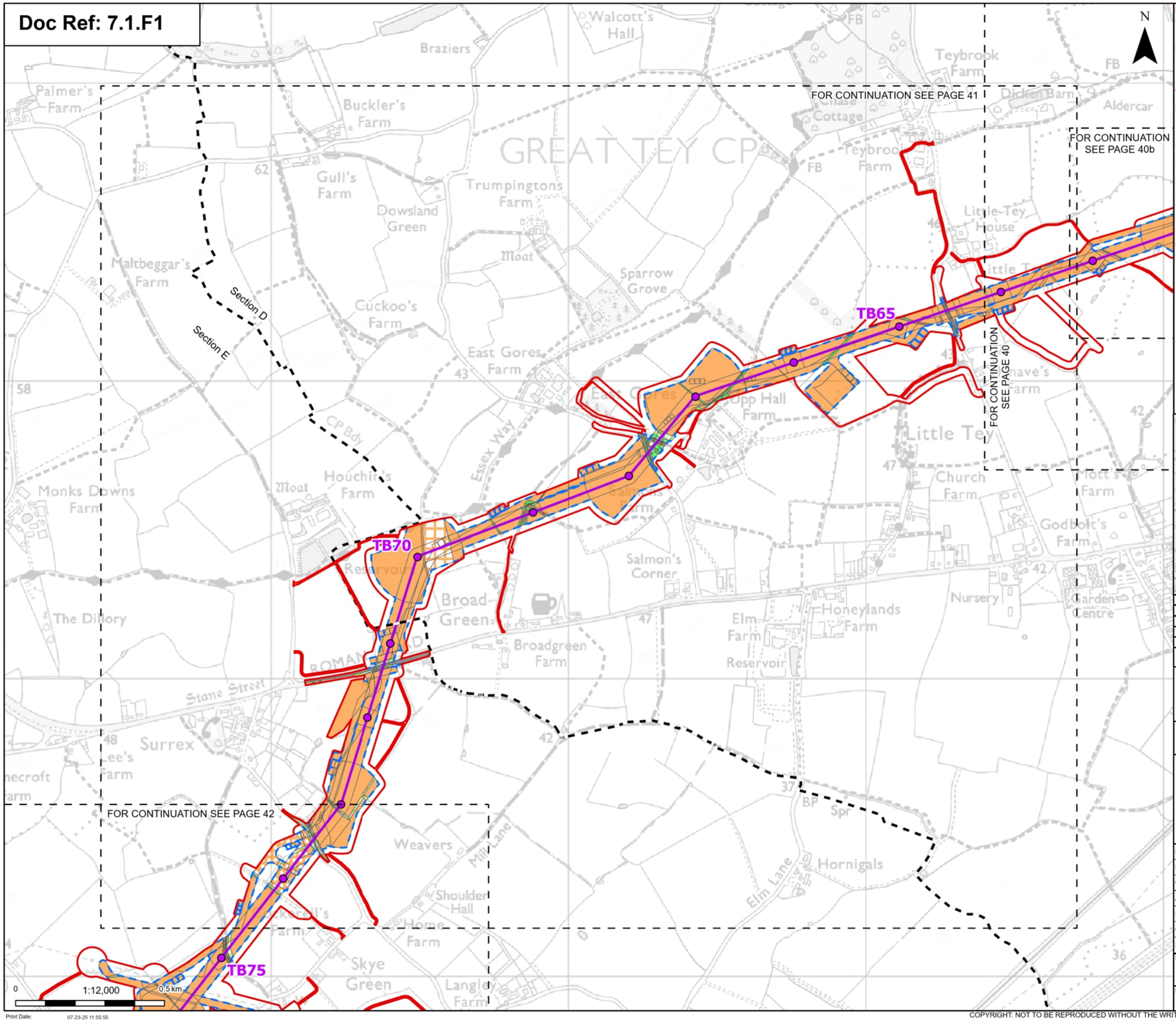
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins game bird mix
Cereal crops
Non-cereal crops

Grassland

Modified grassland
Other neutral grassland

Heathland and shrub

Bramble scrub

Urban

Artificial unvegetated, unsealed surface
Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland
Other coniferous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 41 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

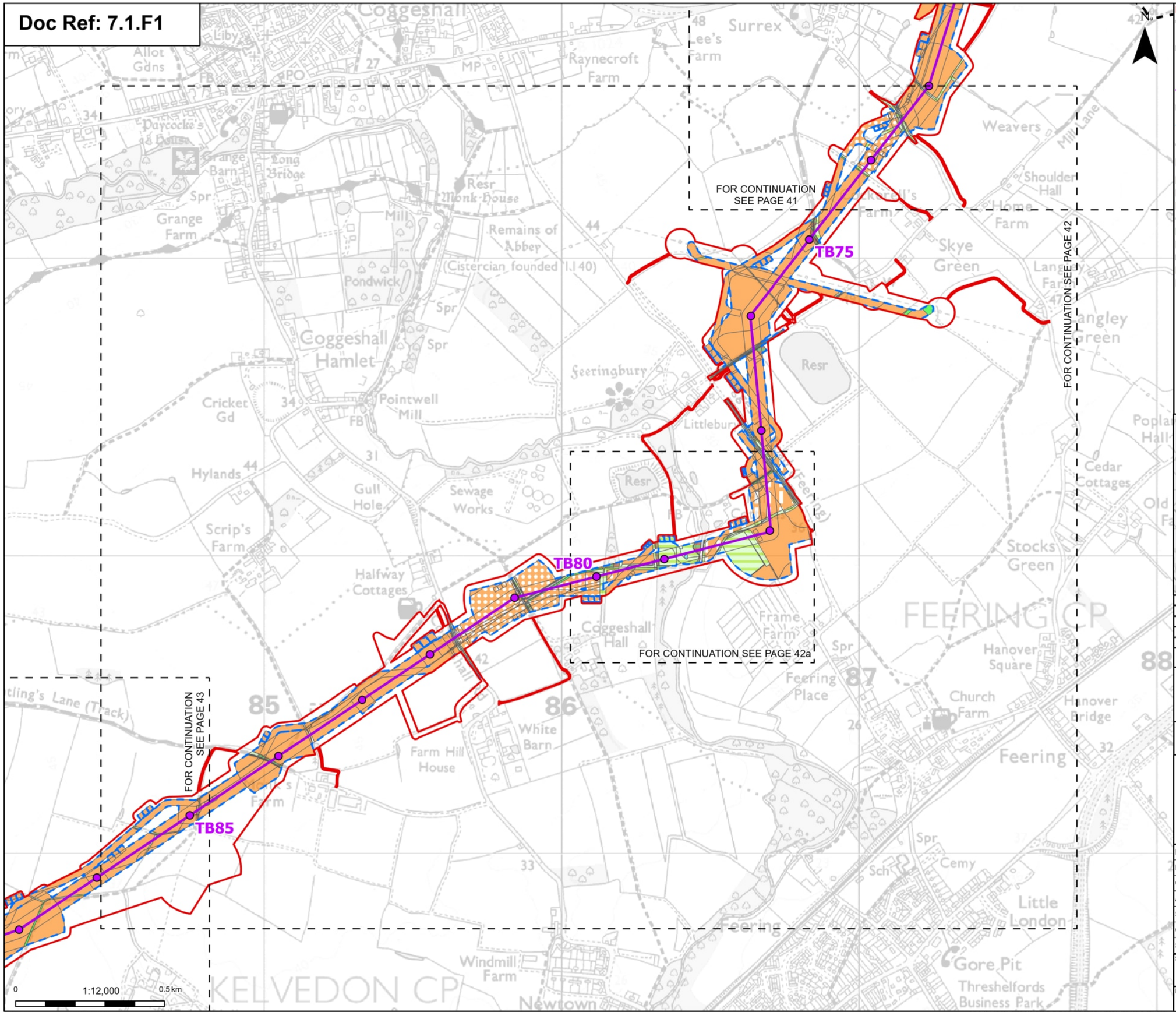
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765
Revision: A

Print Date: 07-23-25 11:55:55

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

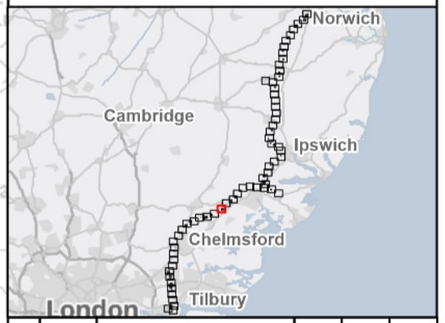
Sparsely vegetated land
- Ruderal/Ephemeral

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 42 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

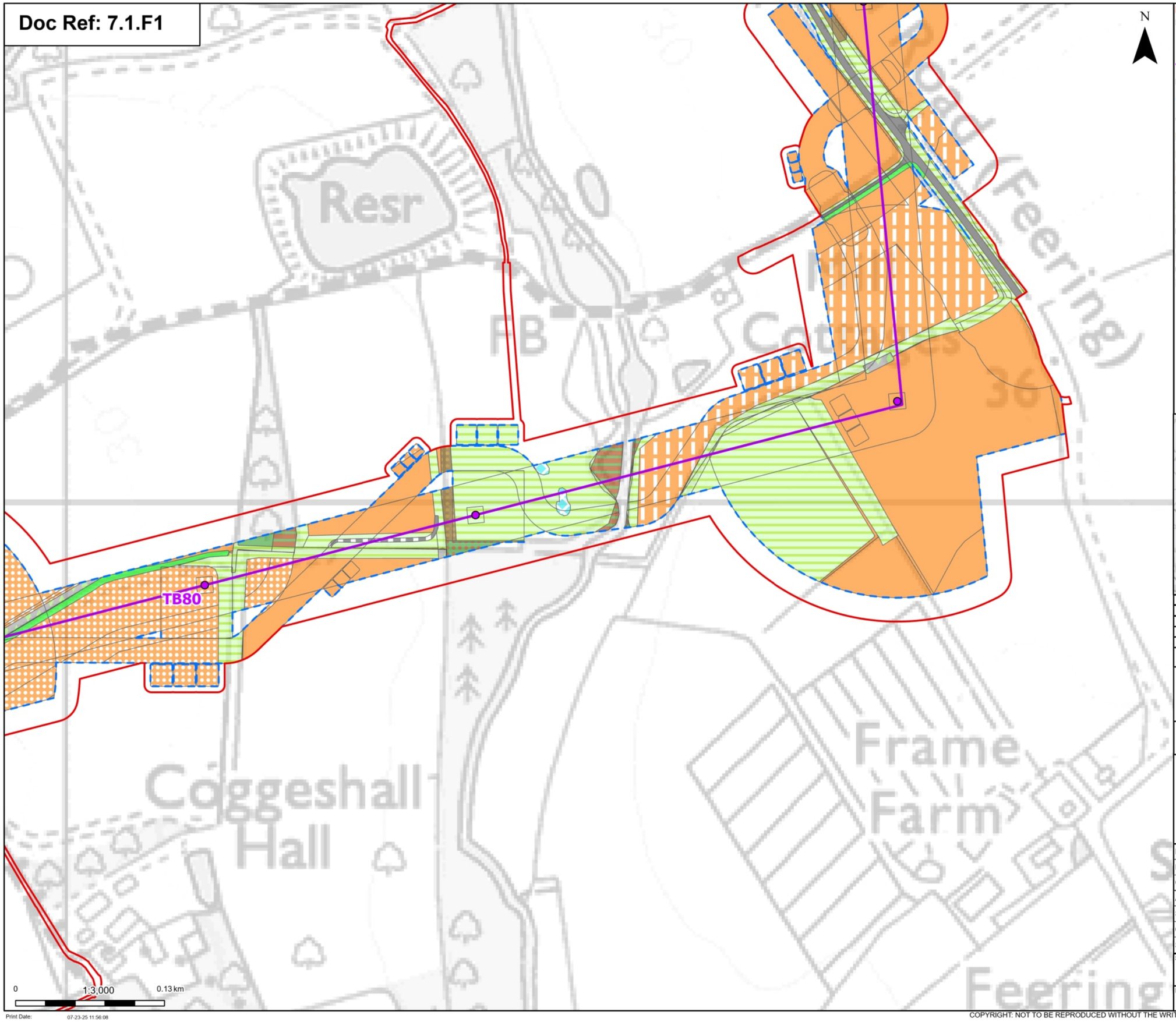
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765
Revision: A

Print Date: 07-23-25 11:56:02

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins cultivated annually

Cereal crops

Non-cereal crops

Winter stubble

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Mixed scrub

Urban

Built linear features

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

Other coniferous woodland

Other woodland; broadleaved

Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 42a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

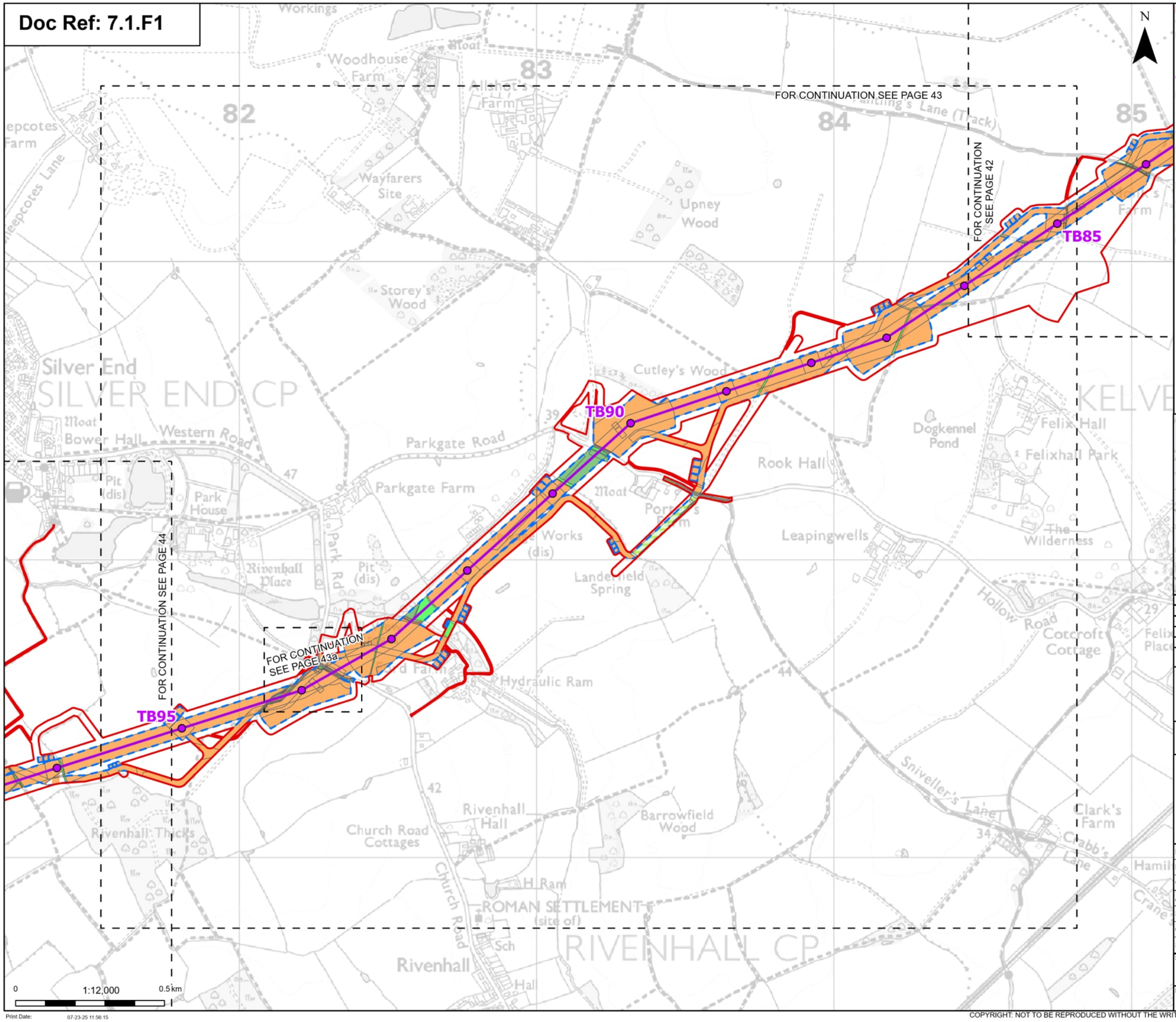
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:08

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

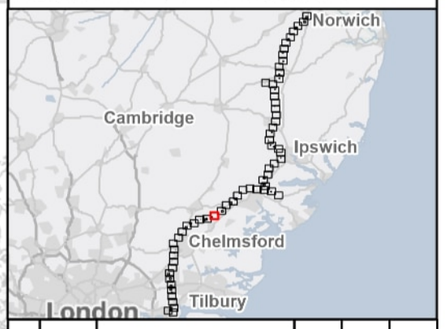
Urban
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 43 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Developed land; sealed surface

Lakes

Ponds (priority habitat)

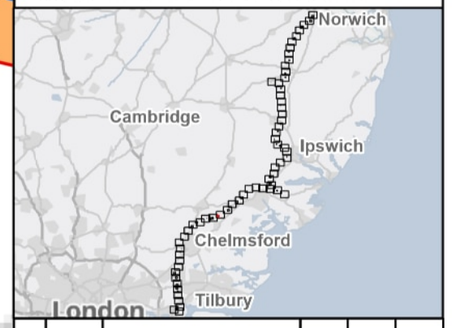
Woodland and forest

Lowland mixed deciduous woodland

Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



0 1:2,000 0.1 km

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 43a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

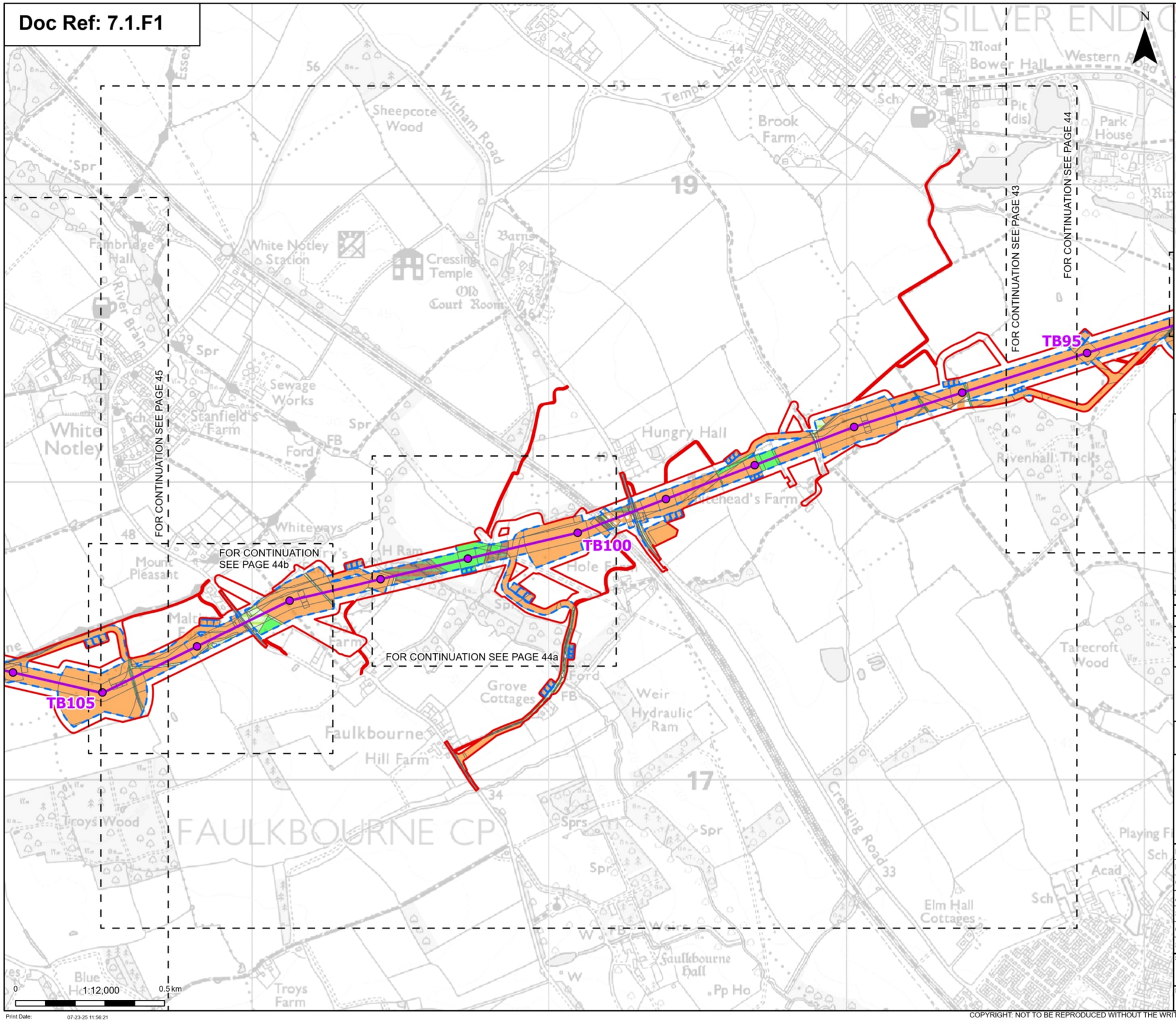
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:18

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

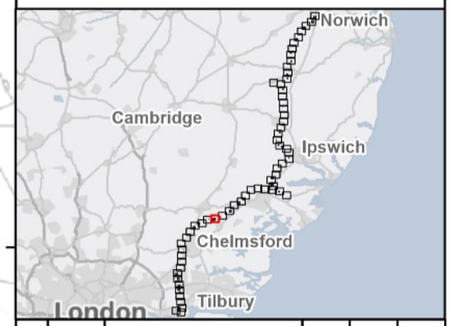
Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

Order limits
Sheet index cutline

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 44 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

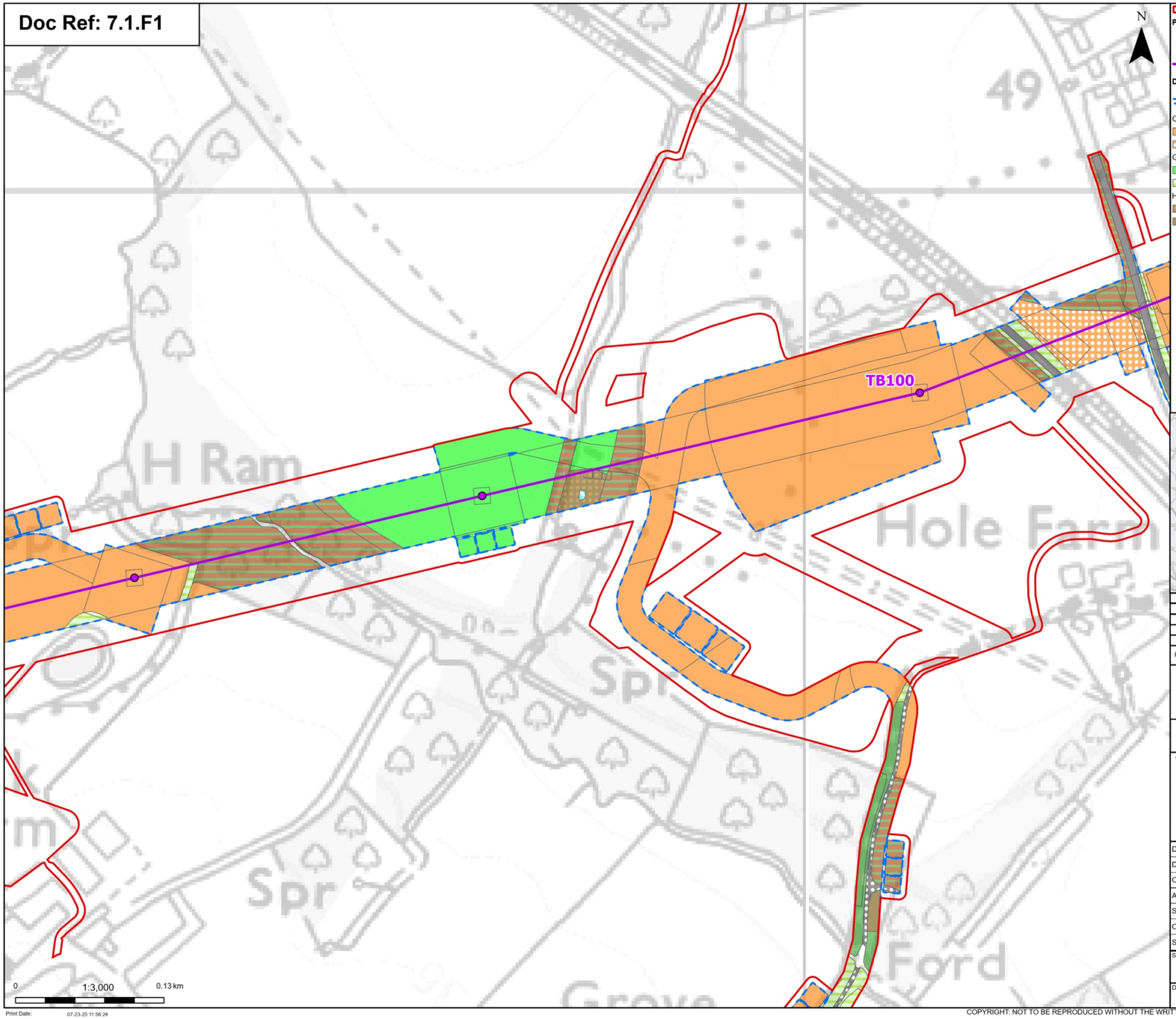
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:21

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Mixed scrub

Urban

Artificial unvegetated, unsealed surface

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 44a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

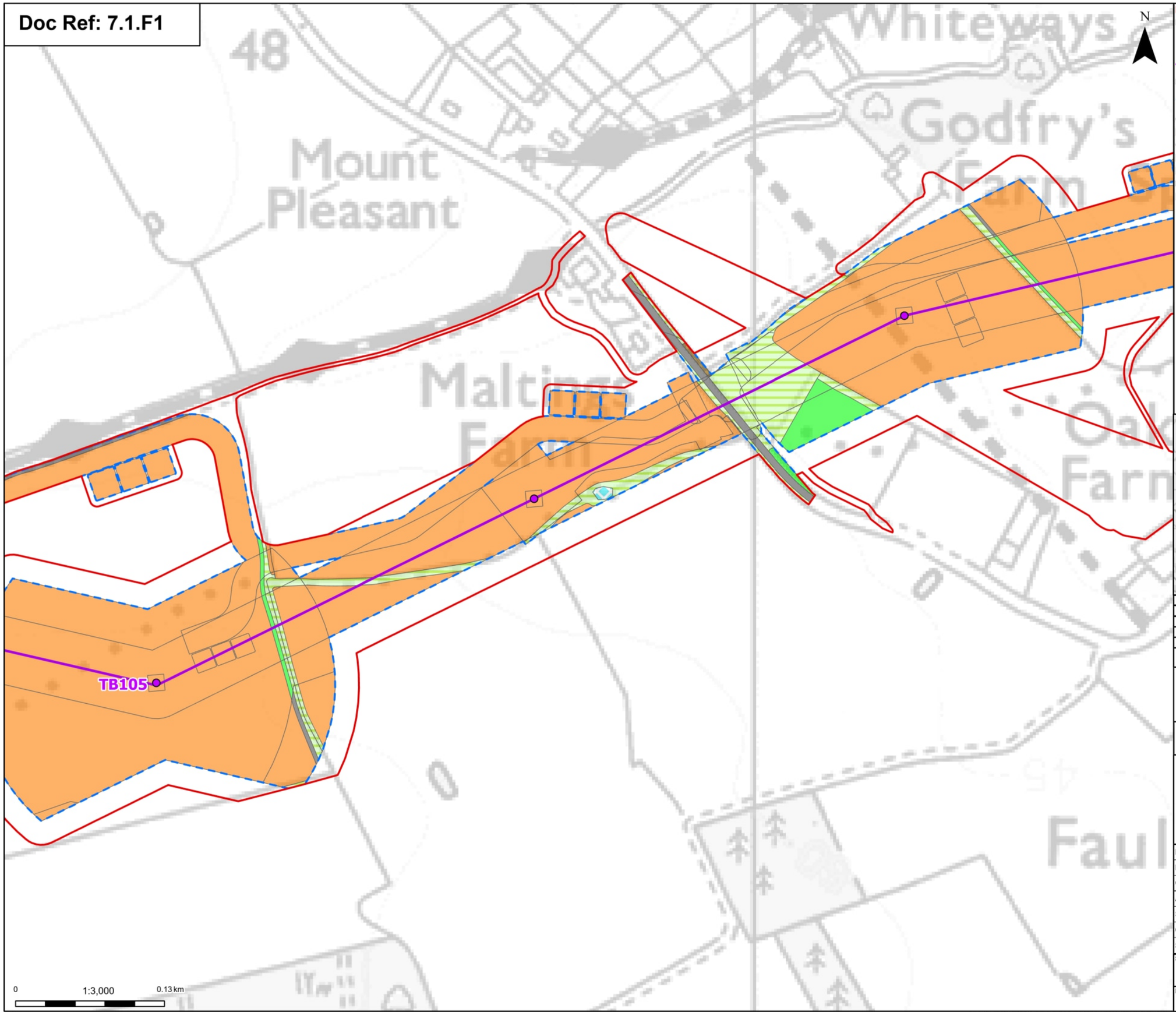
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:24

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub

Urban
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 44b of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

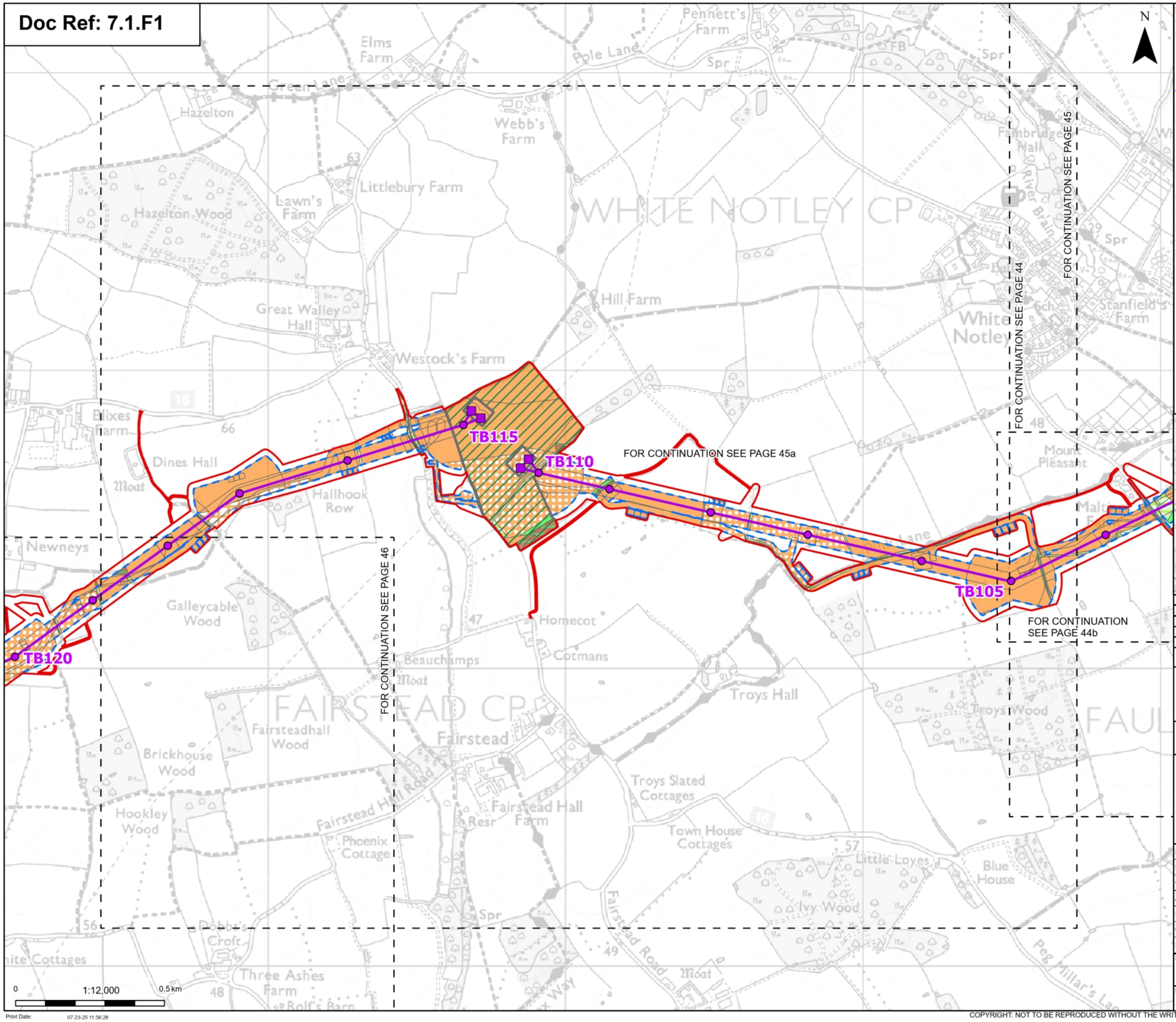
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:26

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Bramble scrub

Urban

- Developed land; sealed surface

Lakes

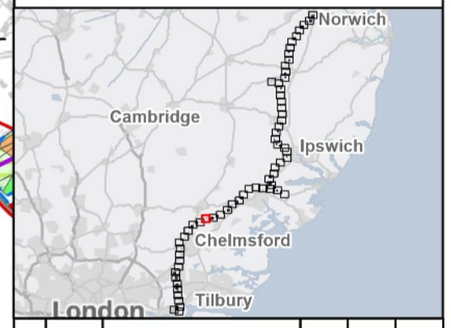
- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 45 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:28

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

N

Order limits

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 45a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

0 1:1,000 0.05 km

Print Date: 07-23-25 11:56:30

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

TB120

TB125

FOR CONTINUATION SEE PAGE 45

FOR CONTINUATION SEE PAGE 46

FOR CONTINUATION SEE PAGE 46a

FOR CONTINUATION SEE PAGE 47

Section F

Section E

0 1:12,000 0.5 km

Print Date: 07-23-25 11:56:32

Order limits
Sheet index cutline
Project section line

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints
Maximum construction boundary

Cropland
Arable field margins cultivated annually
Arable field margins game bird mix
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Built linear features
Developed land; sealed surface

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Norwich
Cambridge
Ipswich
Chelmsford
Tilbury
London

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 46 of 63

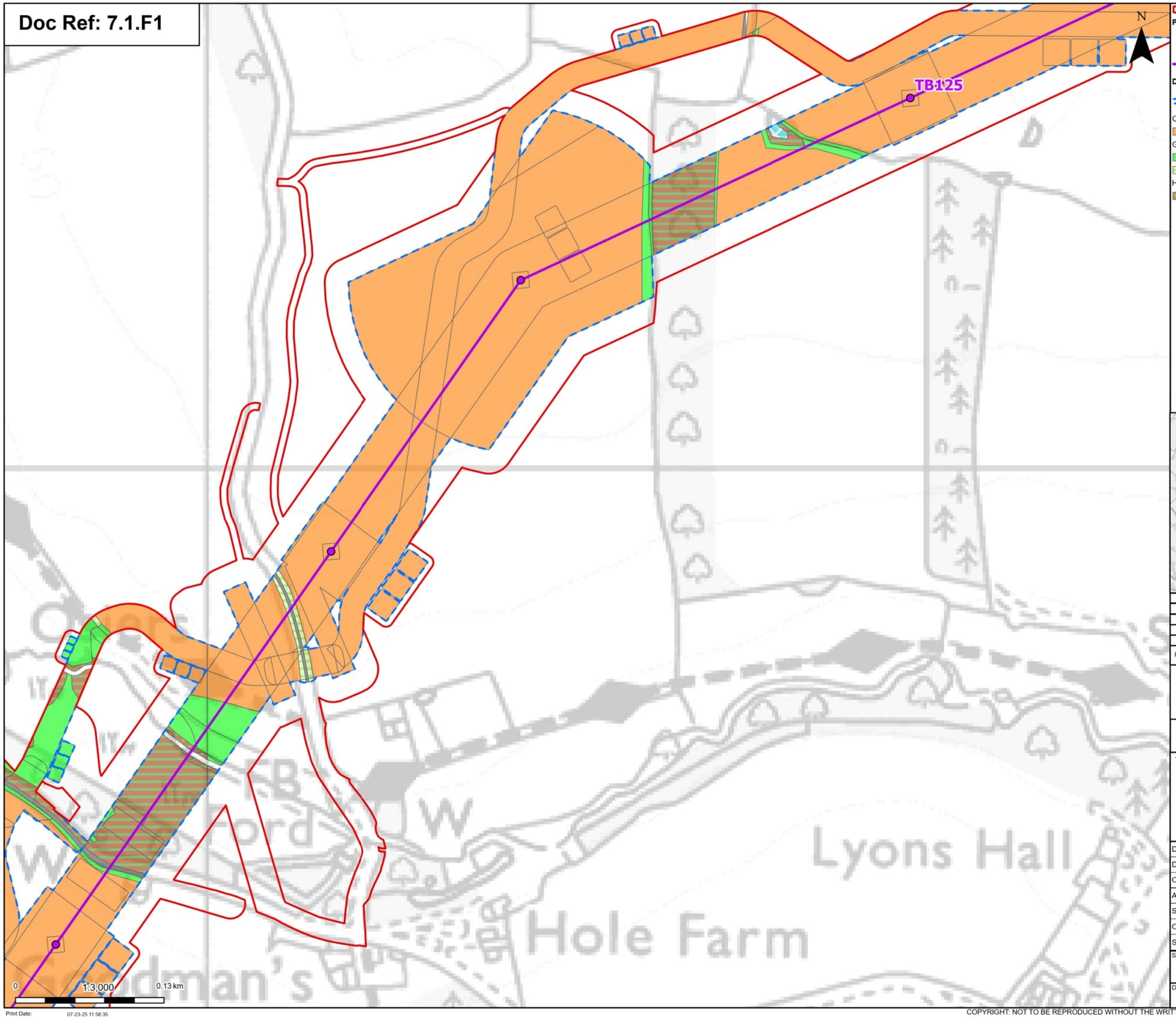
Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765
Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Urban

Built linear features

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 46a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

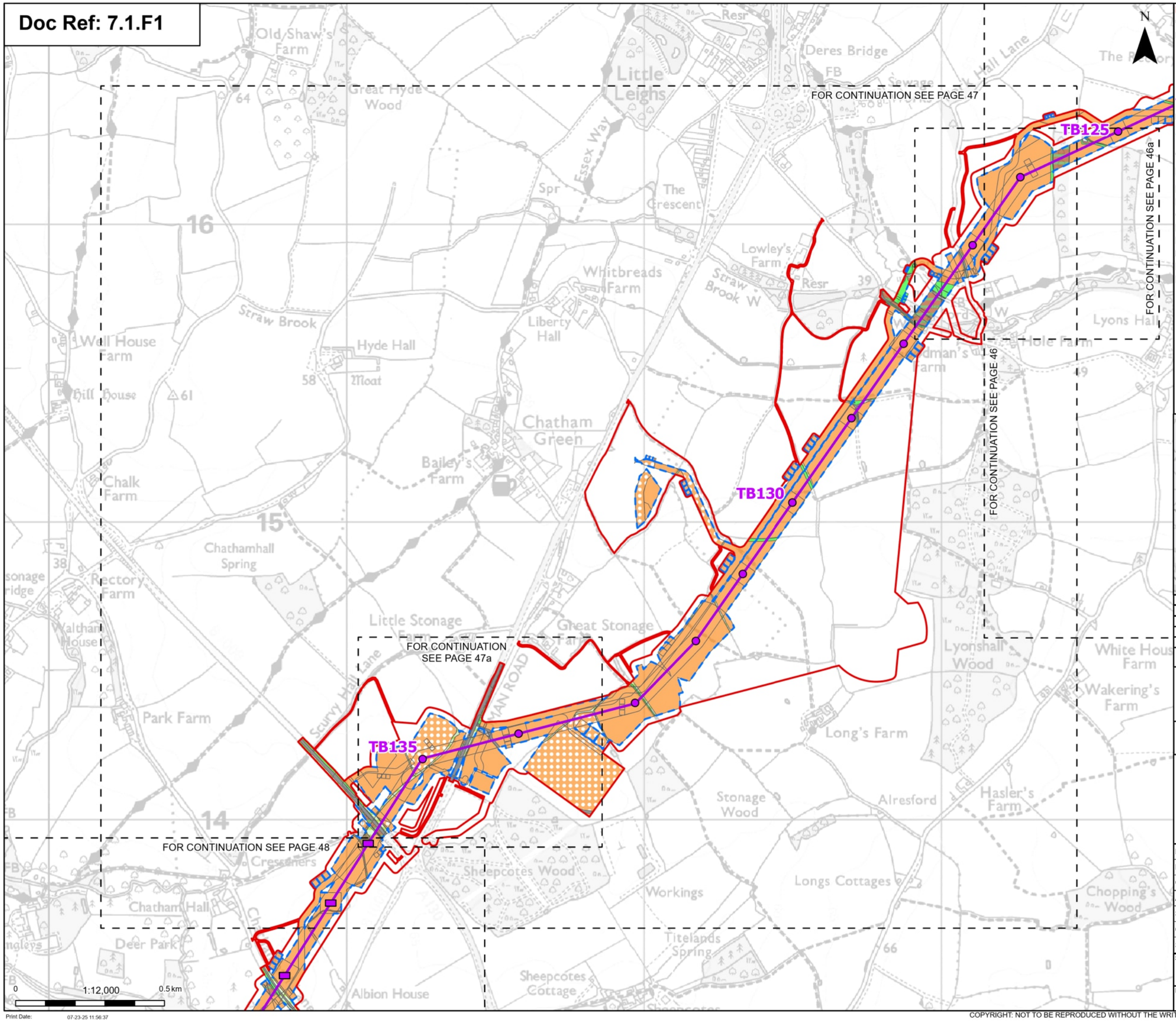
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:35

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details

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

Discipline specific constraints

Maximum construction boundary

Cropland
Arable field margins cultivated annually
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Blackthorn scrub
Bramble scrub

Urban
Artificial unvegetated, unsealed surface
Built linear features
Developed land; sealed surface

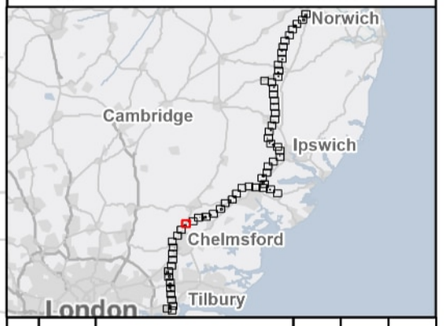
Sparsely vegetated land
Ruderal/Ephemeral

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 47 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

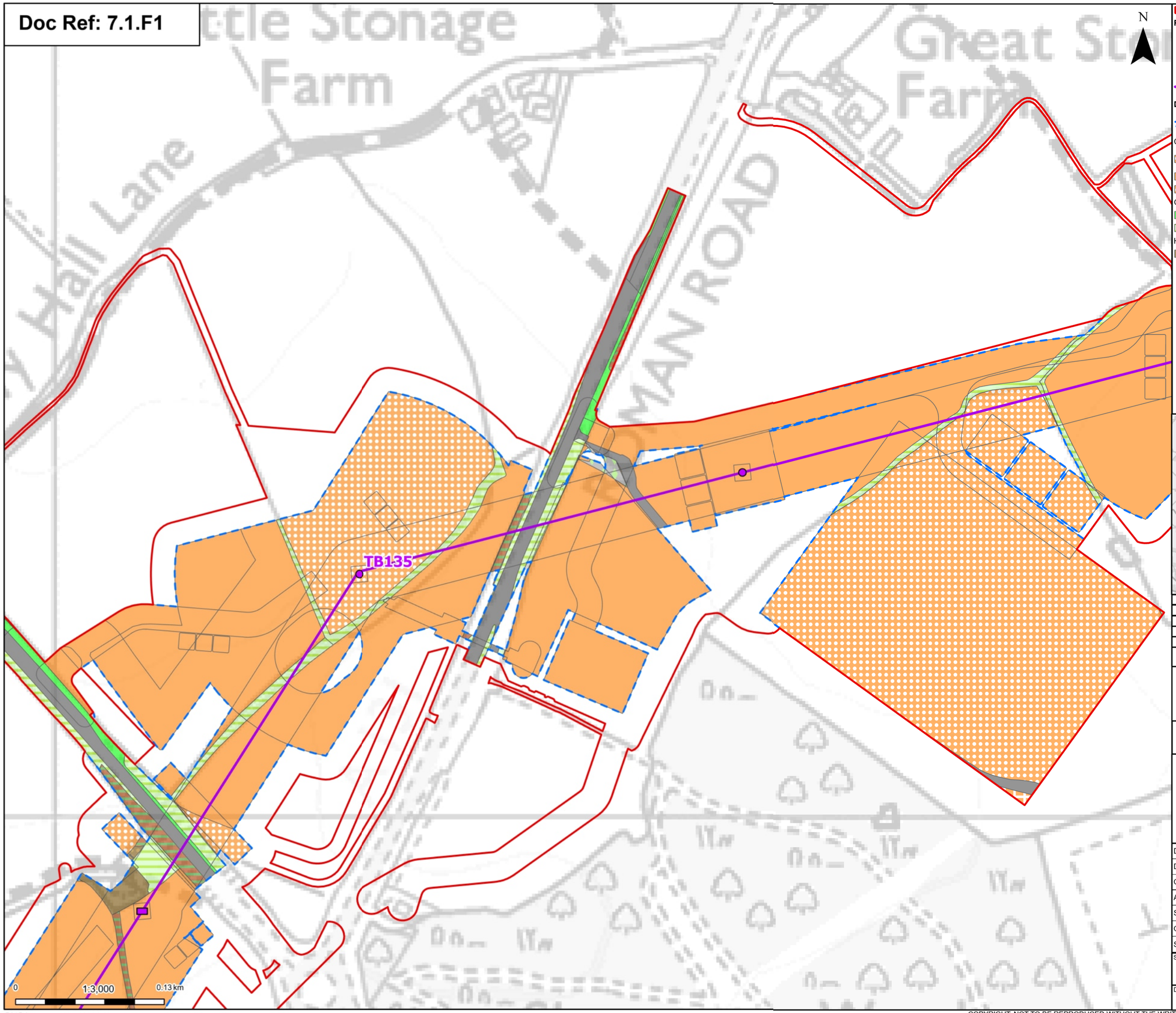
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:37

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Blackthorn scrub
- Bramble scrub

Urban

- Developed land; sealed surface

Sparsely vegetated land

- Ruderal/Ephemeral

Lakes

- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 47a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:39

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

TB135

TB140

TB145

FOR CONTINUATION SEE PAGE 47a

FOR CONTINUATION SEE PAGE 47

FOR CONTINUATION SEE PAGE 48

FOR CONTINUATION SEE PAGE 49

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:56:42

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

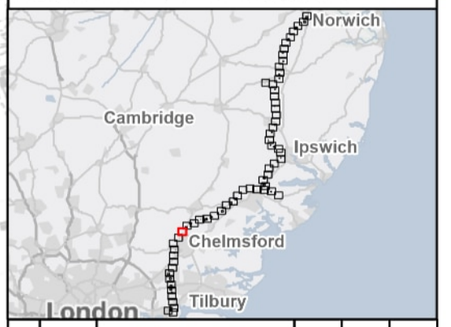
Heathland and shrub
- Blackthorn scrub
- Bramble scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 48 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

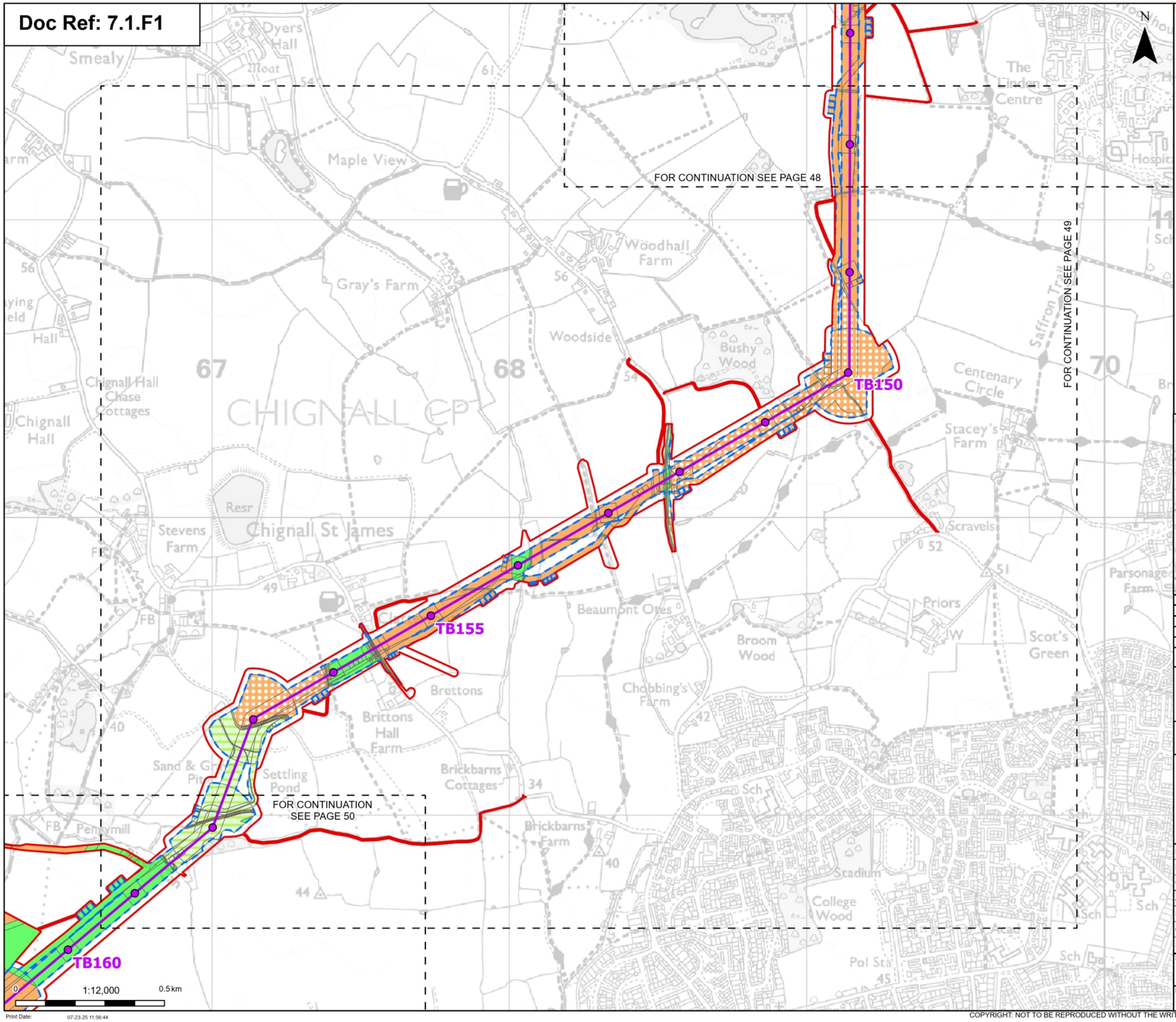
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

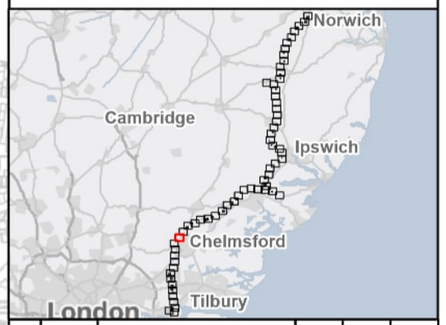
Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 49 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

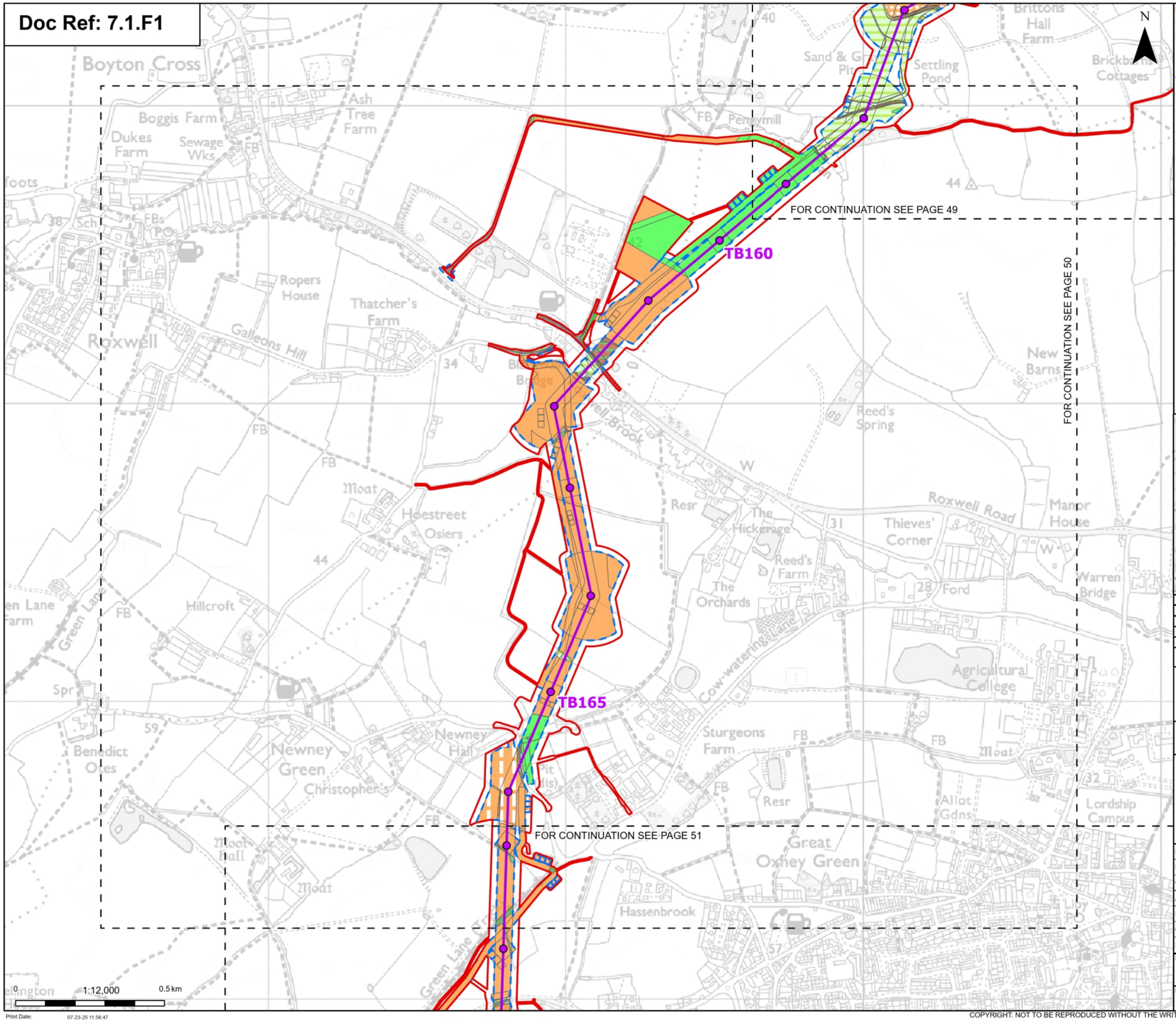
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:44

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:56:47

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

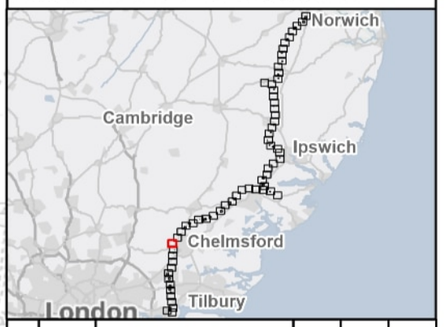
Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 50 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

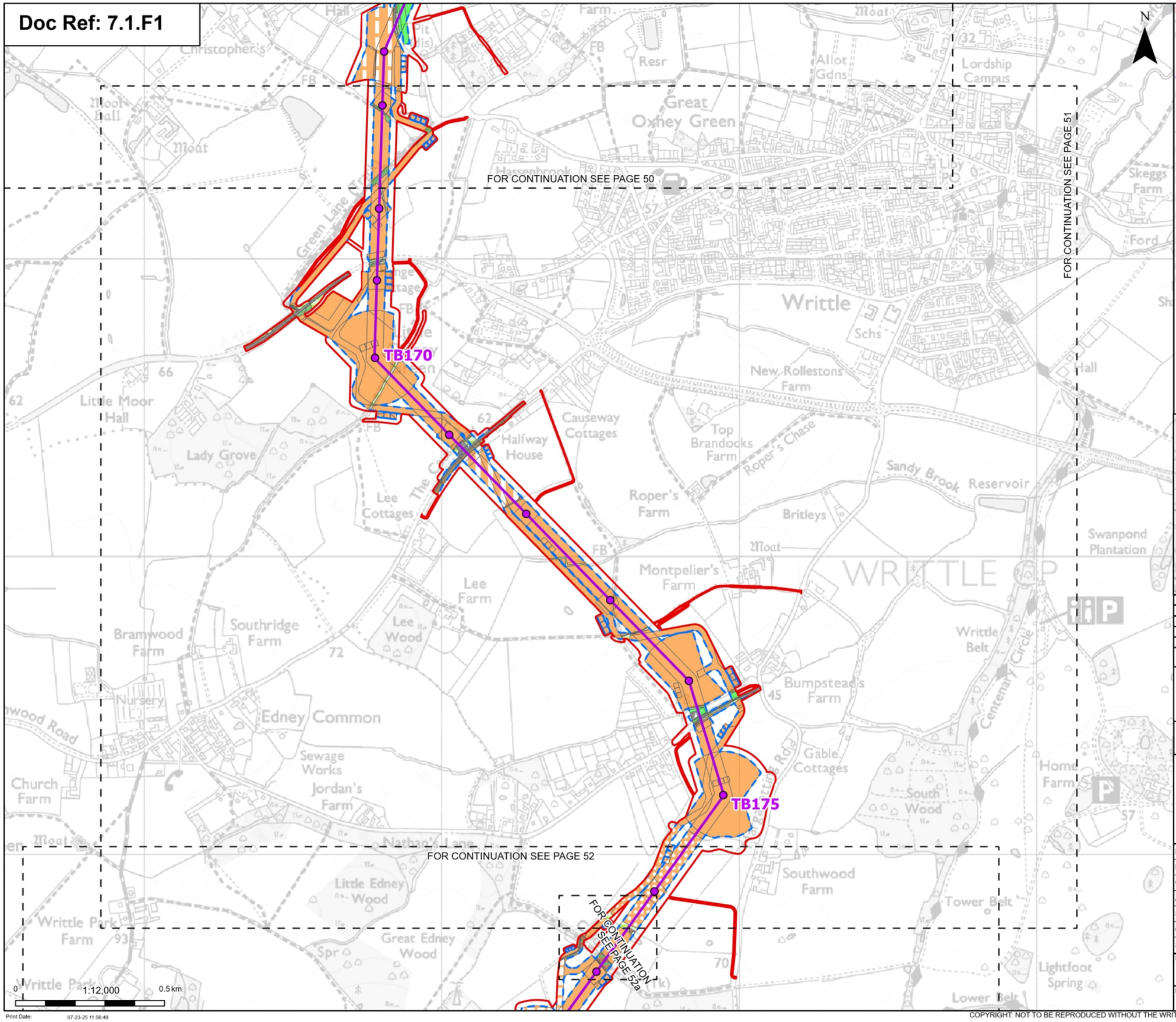
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

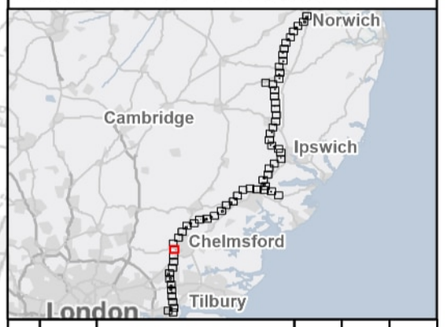
Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 51 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

TB175

TB180

FOR CONTINUATION SEE PAGE 51

FOR CONTINUATION SEE PAGE 52

FOR CONTINUATION SEE PAGE 52a

FOR CONTINUATION SEE PAGE 53

Section F

Section G

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:56:51

Order limits
- Sheet index cutline
- Project section line

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 52 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

N

0 1:2,000 0.1 km

Print Date: 07-23-25 11:56:54

Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland

- Other neutral grassland

Urban

- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

Lakes

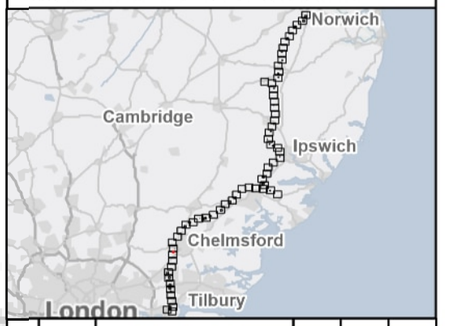
- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 52a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

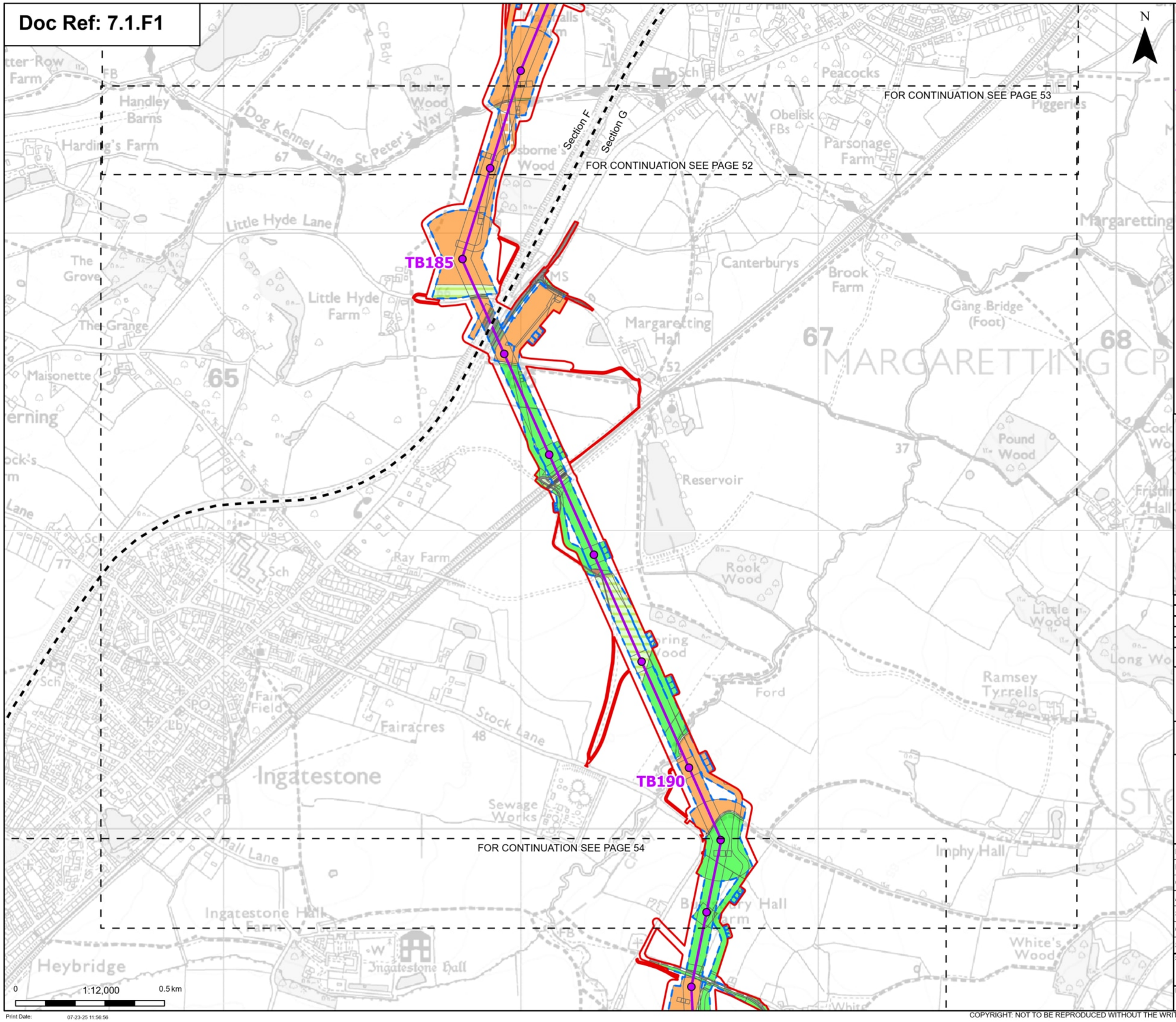
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins cultivated annually
Cereal crops

Grassland

Modified grassland
Other neutral grassland

Urban

Bare ground
Built linear features
Developed land; sealed surface
Vegetated garden

Woodland and forest

Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 53 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

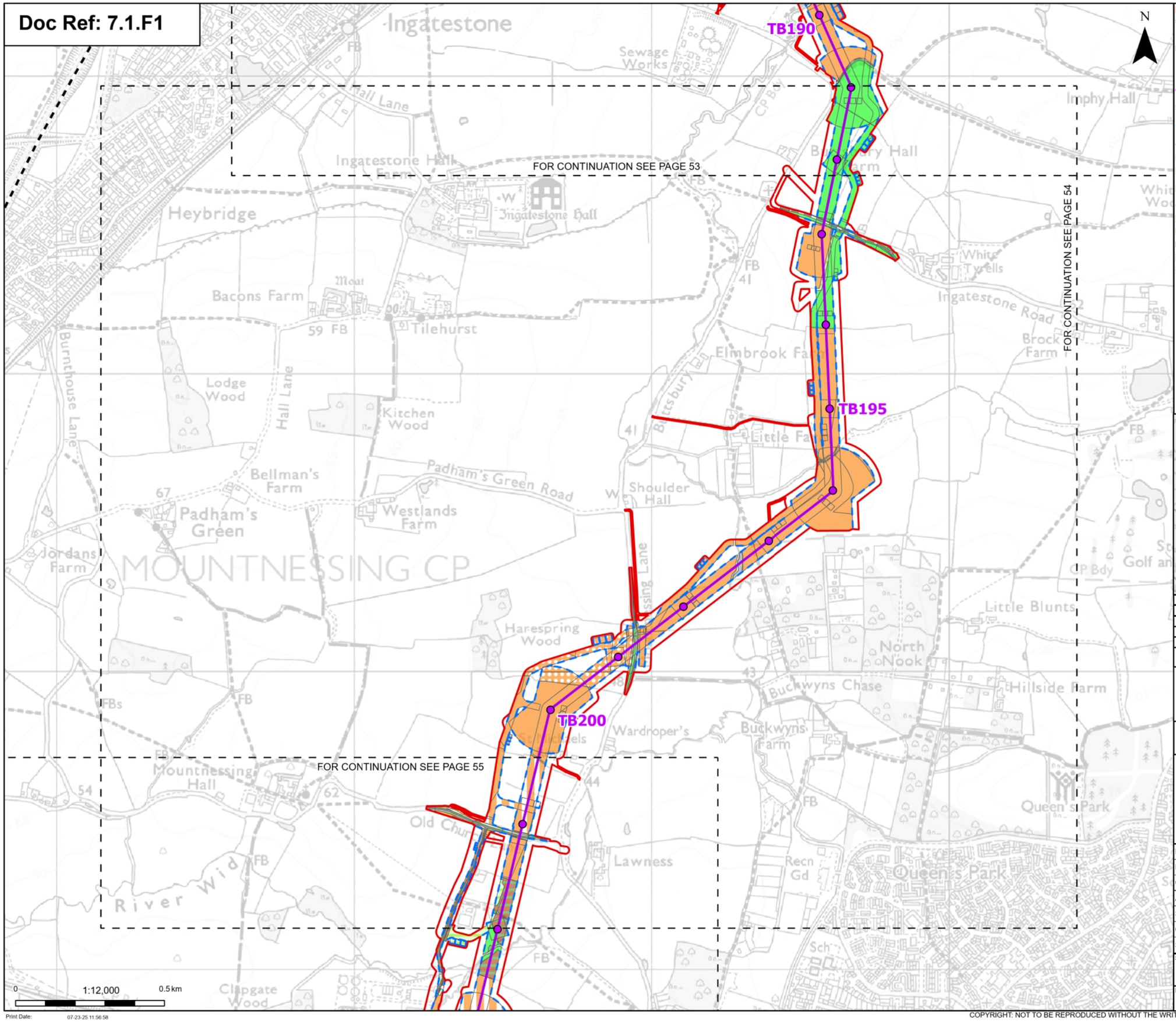
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:56:56

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:56:58

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Bramble scrub

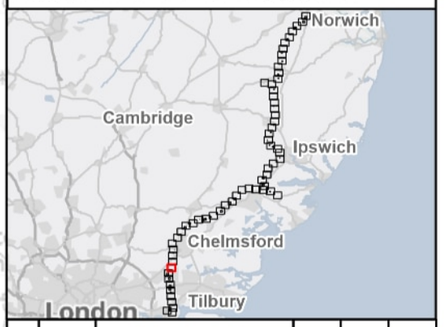
Urban
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Sparsely vegetated land
- Ruderal/Ephemeral

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Wet woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 - UK Habitat Classification Map (pre-development baseline)

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1

TB200

TB205

TB210

FOR CONTINUATION SEE PAGE 54

FOR CONTINUATION SEE PAGE 55

FOR CONTINUATION SEE PAGE 55a

FOR CONTINUATION SEE PAGE 56

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:57:01

Order limits
Sheet index cutline
Project section line

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints
Maximum construction boundary

Cropland
Arable field margins cultivated annually
Arable field margins game bird mix
Cereal crops
Non-cereal crops
Temporary grass and clover leys
Winter stubble

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub

Urban
Bare ground
Built linear features
Developed land; sealed surface

Woodland and forest
Lowland mixed deciduous woodland
Other coniferous woodland
Wet woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 55 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

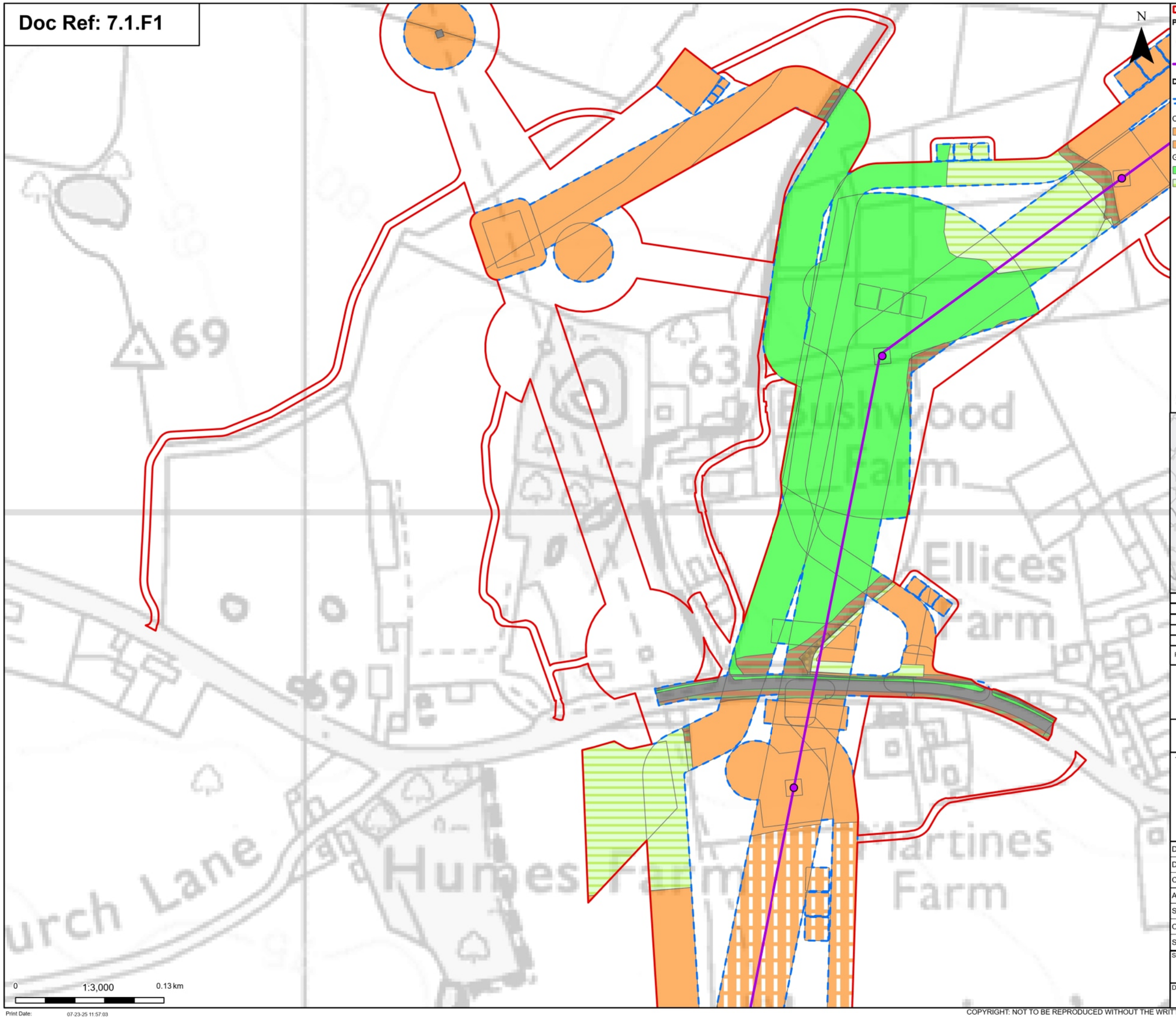
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Winter stubble

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Urban

Developed land; sealed surface

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 55a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

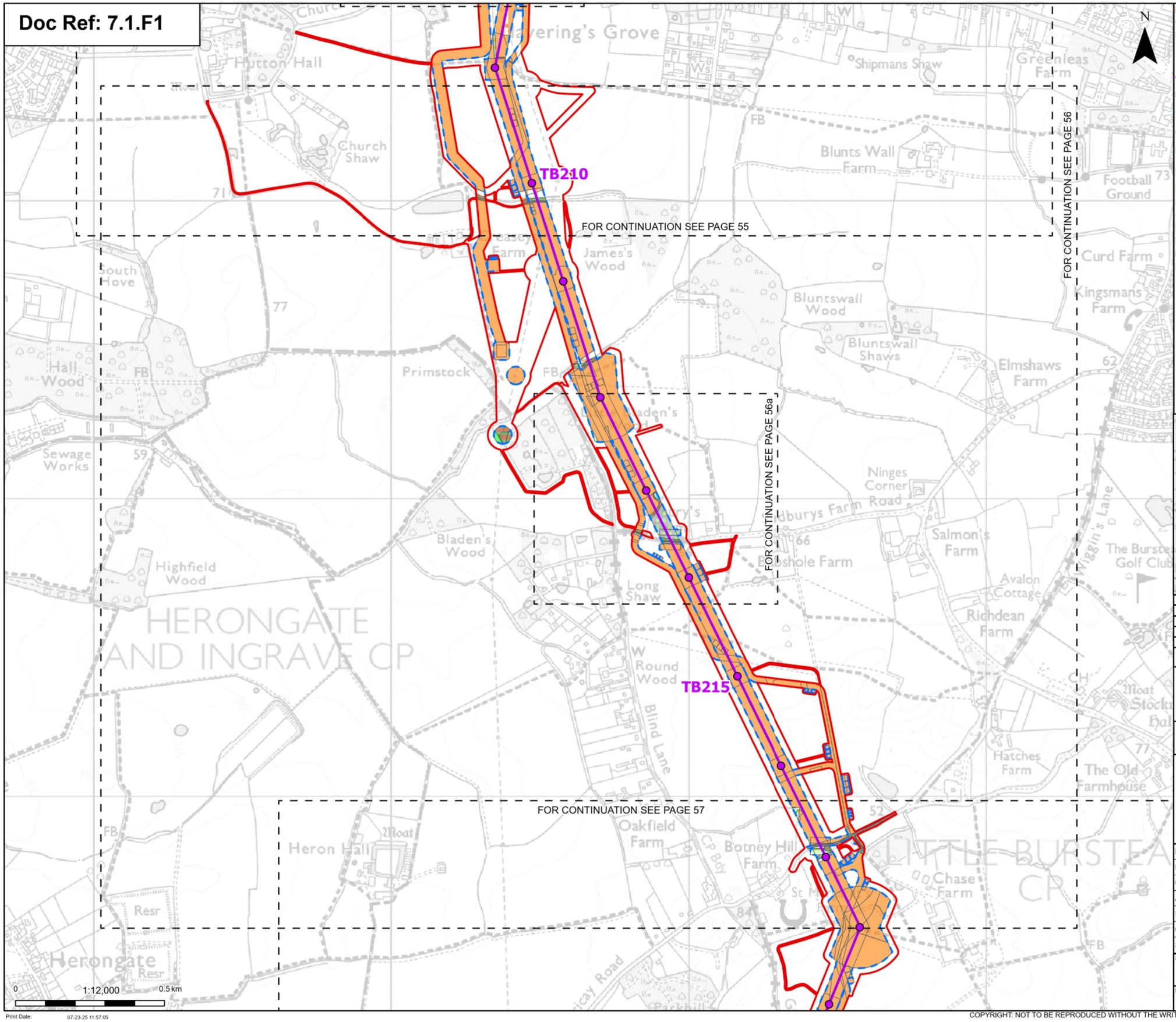
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:57:03

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:57:05

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Winter stubble

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Bramble scrub
- Mixed scrub

Urban

- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land

- Tall forbs

Lakes

- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 56 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

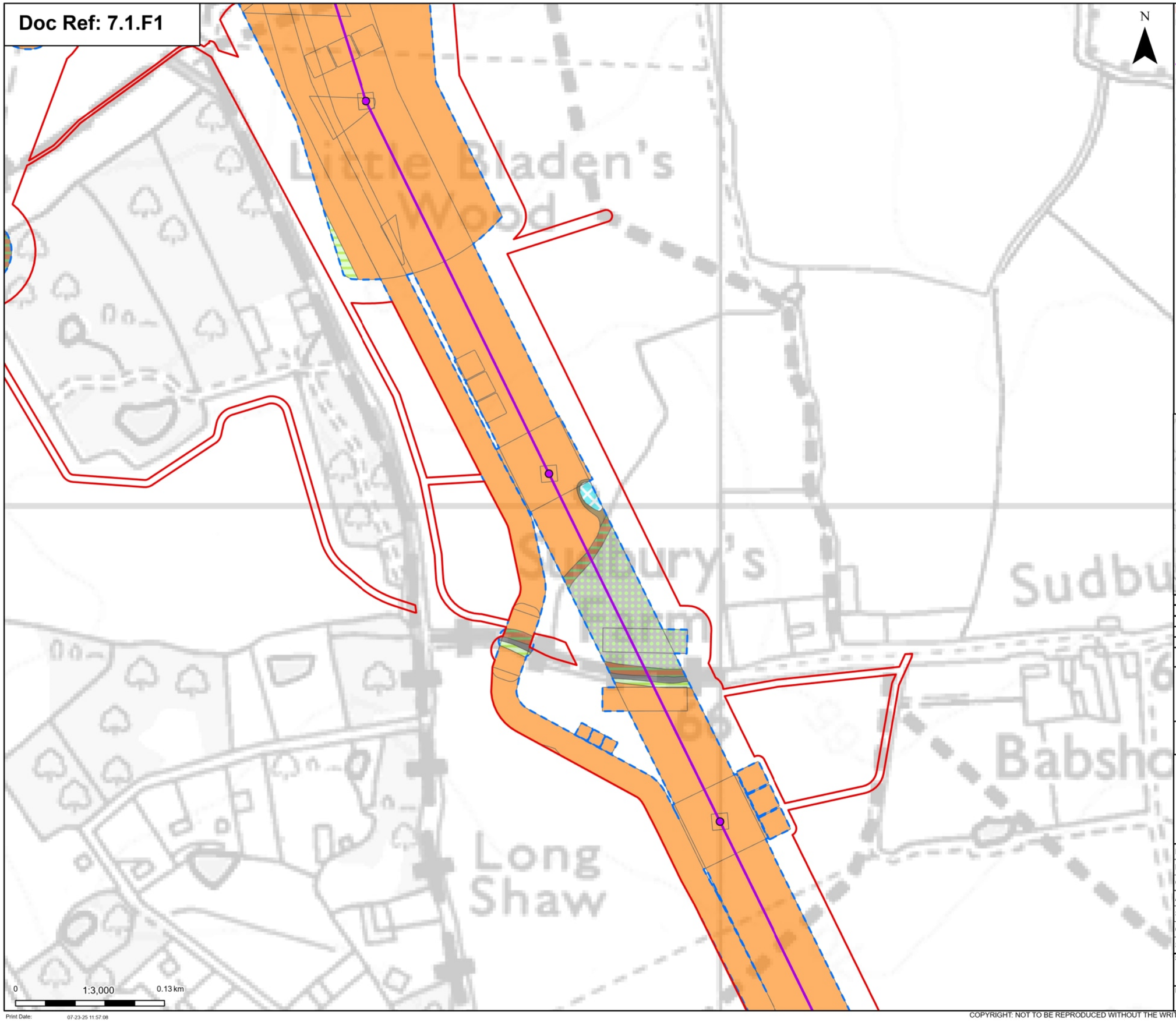
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

- Order limits
- **Proposed project design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
- **Discipline specific constraints**
  - Maximum construction boundary
- Cropland
  - Cereal crops
- Grassland
  - Other neutral grassland
- Heathland and shrub
  - Mixed scrub
- Urban
  - Developed land; sealed surface
- Sparsely vegetated land
  - Tall forbs
- Lakes
  - Ponds (priority habitat)
- Woodland and forest
  - Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 56a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

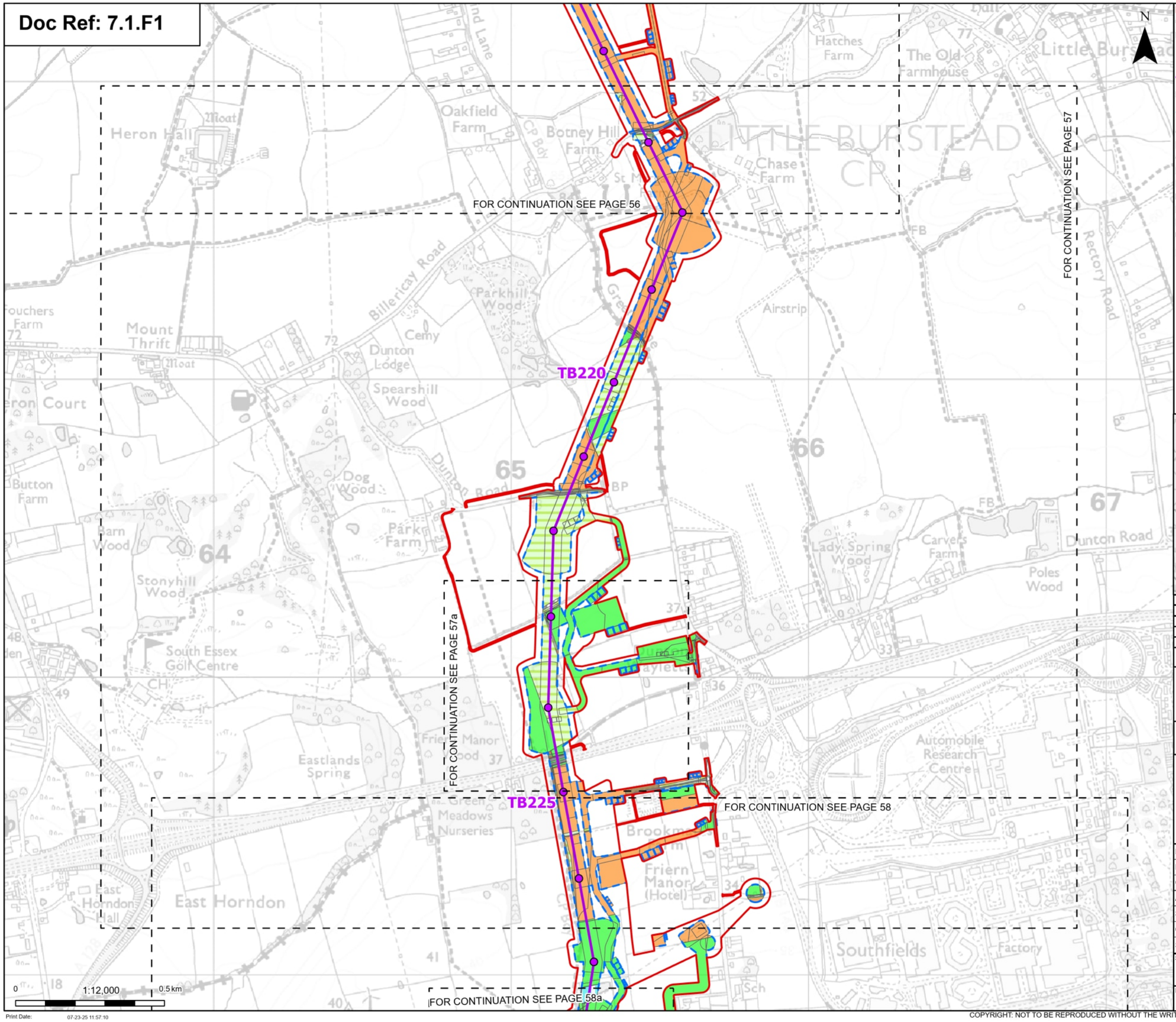
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:57:08

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface

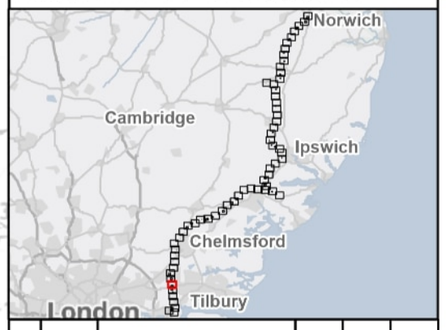
Bare ground
Built linear features
Developed land; sealed surface
Vegetated garden

Lakes
Reservoirs

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 57 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

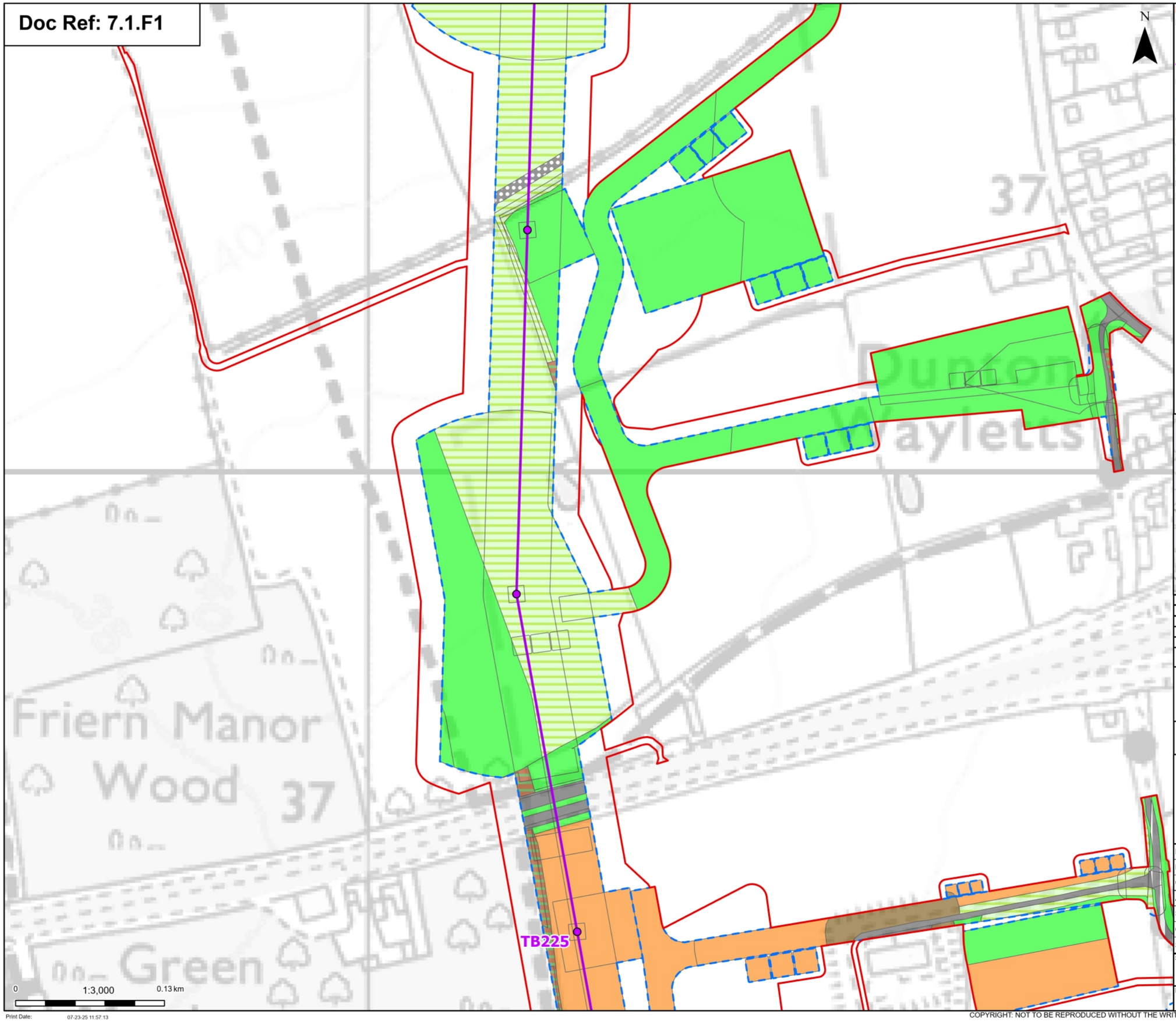
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765
Revision: A

Print Date: 07-23-25 11:57:10

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

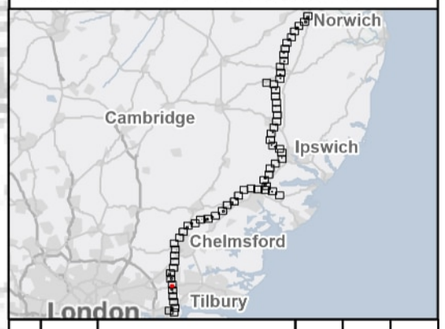
Heathland and shrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 57a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

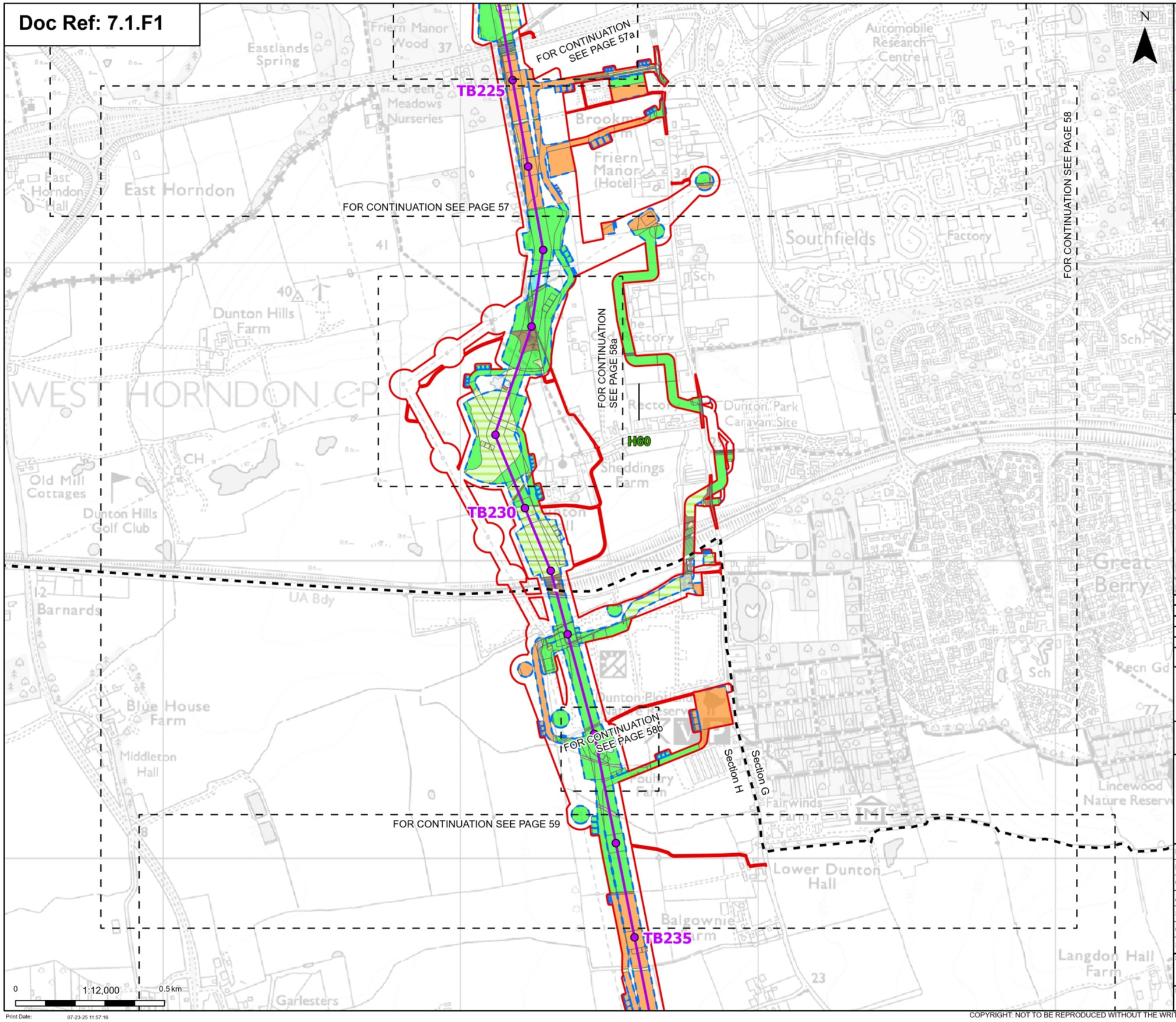
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:57:13

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



N

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Introduced shrub
- Vegetated garden

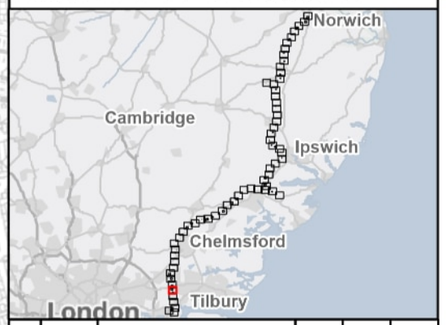
Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)
- Reservoirs

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 58 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

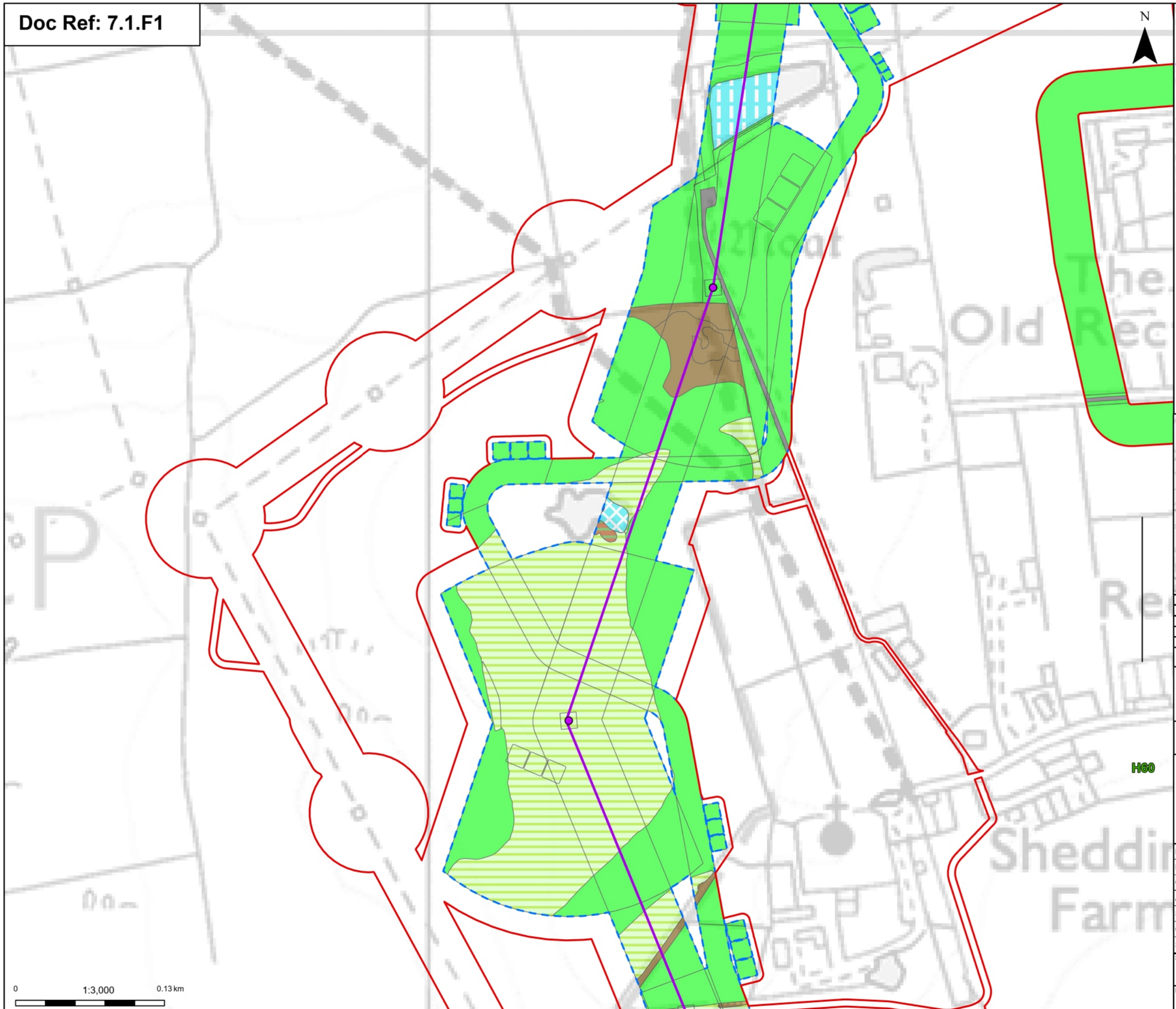
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:57:19

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Blackthorn scrub

Bramble scrub

Mixed scrub

Urban

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Reservoirs

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 58a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

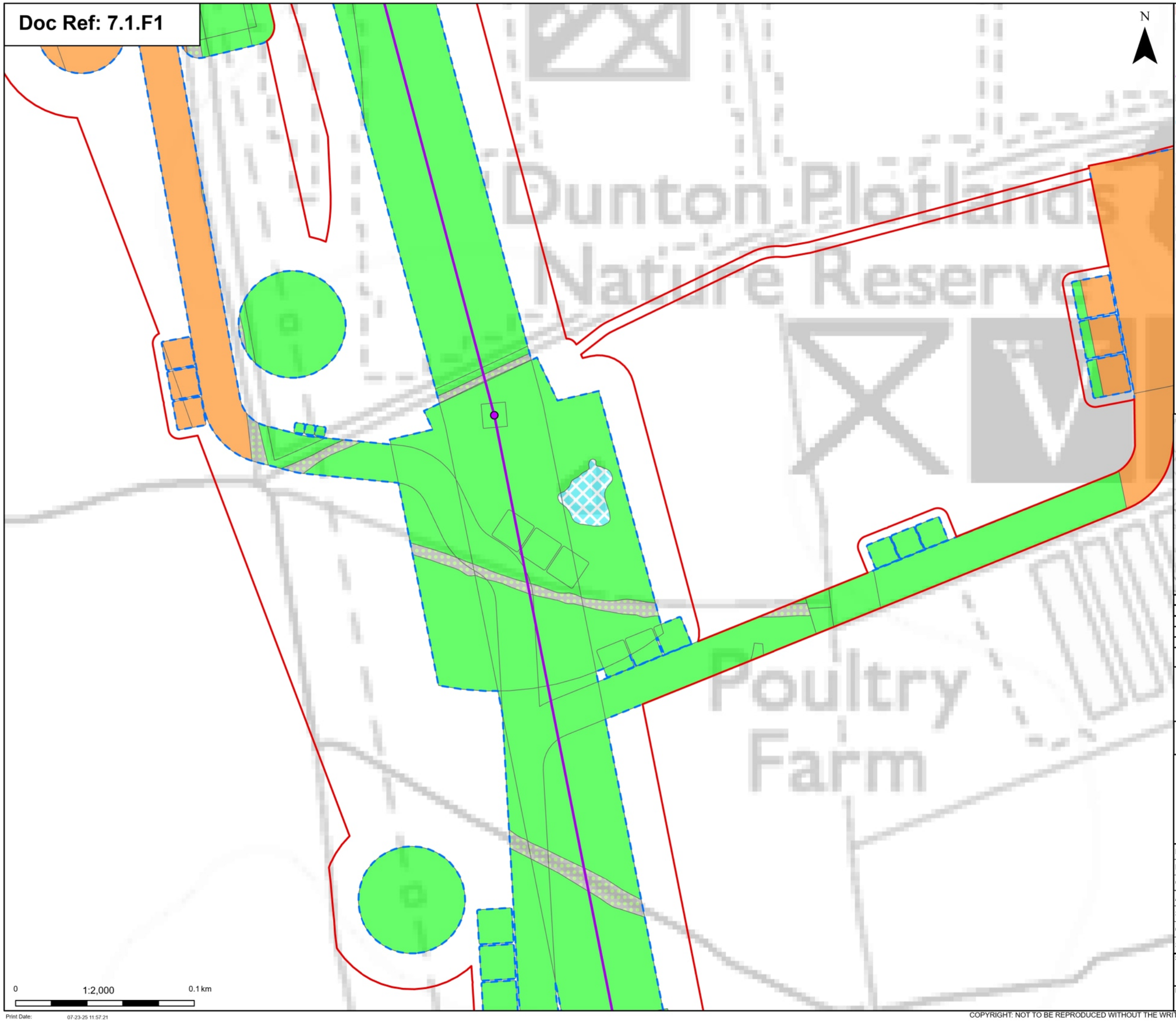
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 58b of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

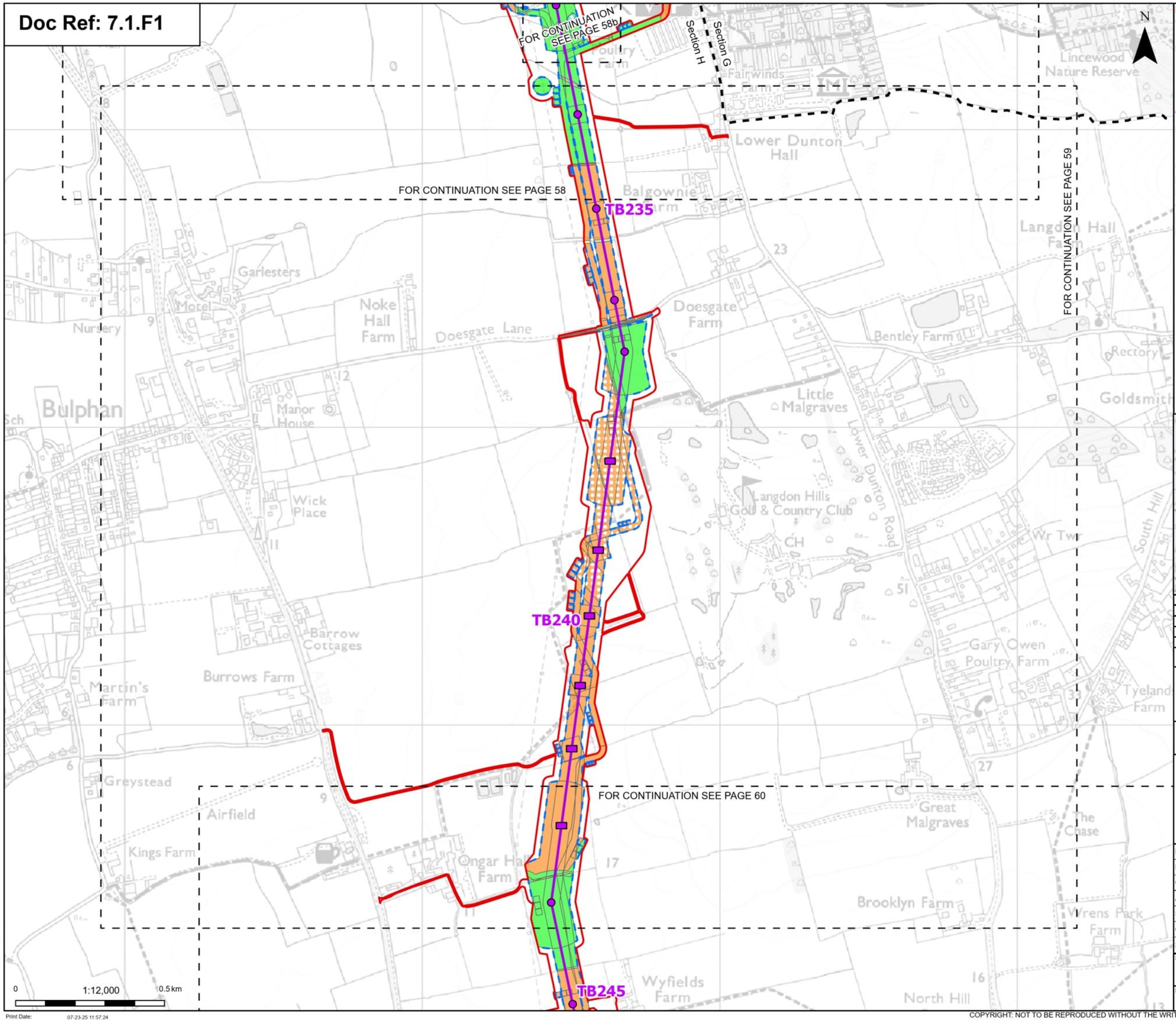
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:57:21

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- 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

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Developed land; sealed surface

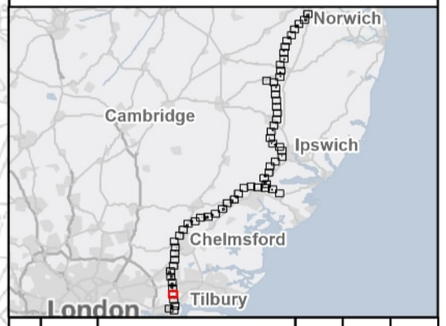
Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 59 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

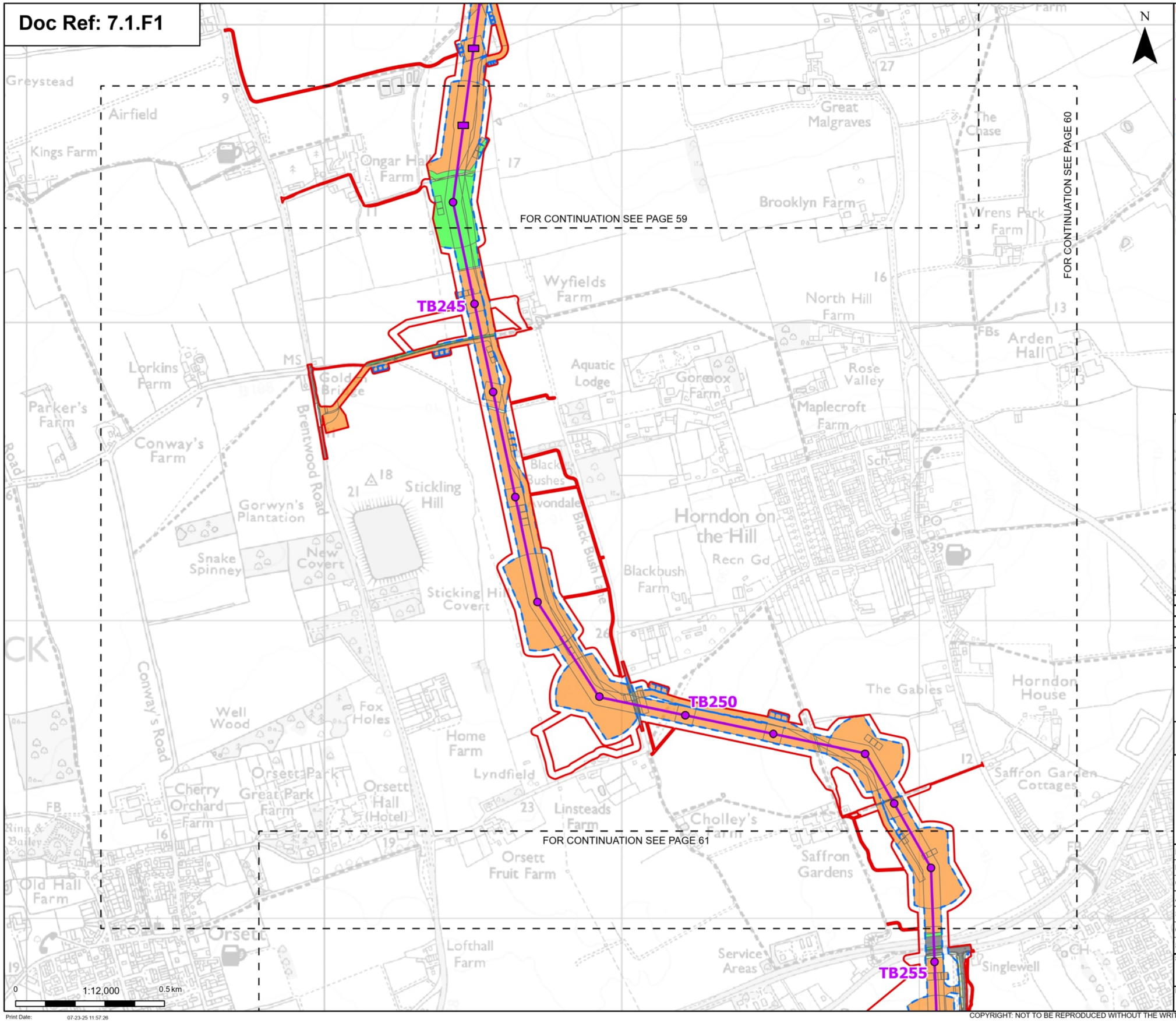
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:57:24

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Print Date: 07-23-25 11:57:26

Order limits
Sheet index cutline

Proposed project design details

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

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Bare ground
Built linear features
Developed land; sealed surface
Vegetated garden

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 60 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

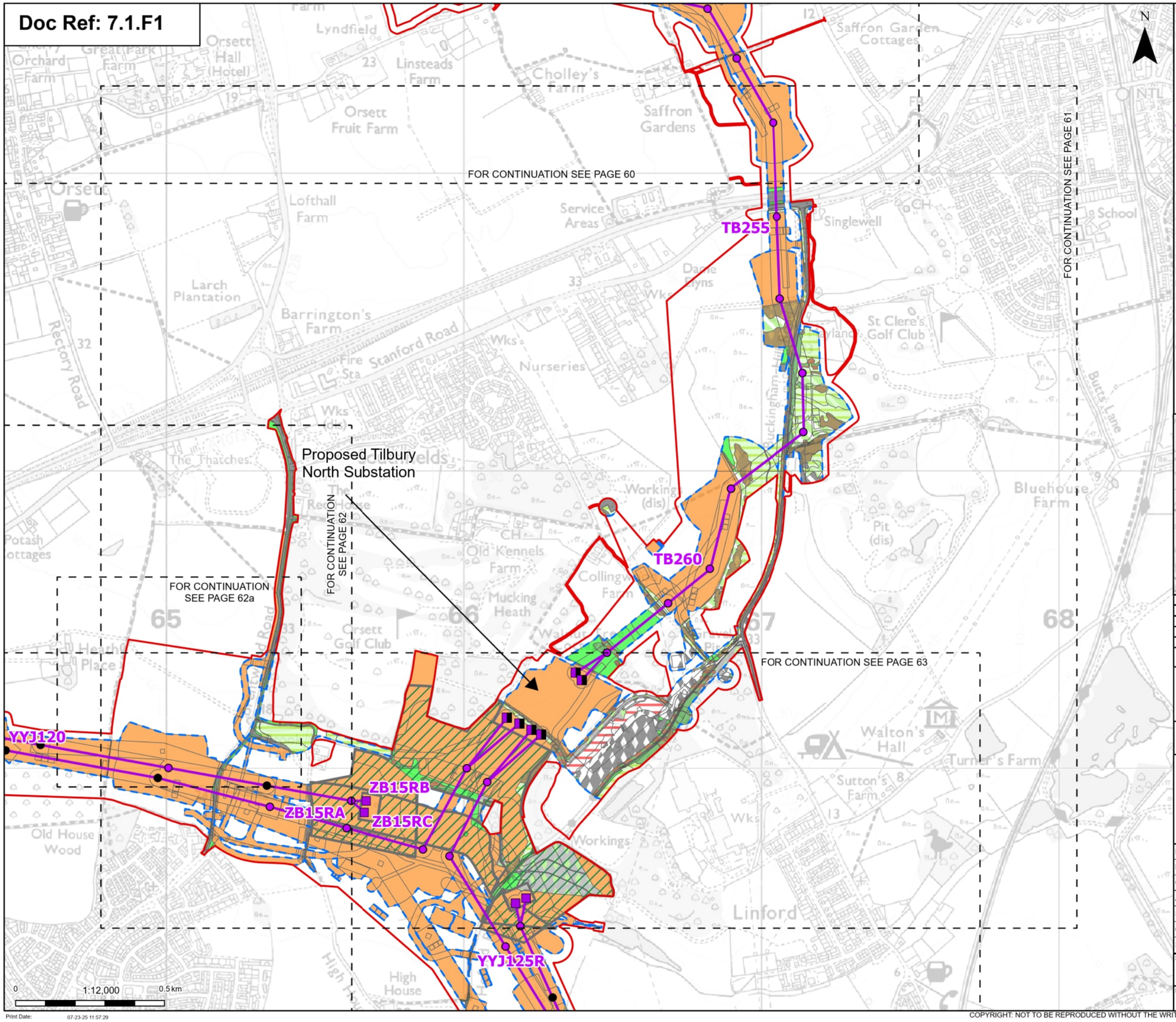
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



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
- Environmental area

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Lowland dry acid grassland
- Lowland meadows
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Gorse scrub
- Hawthorn scrub
- Mixed scrub

Urban
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Open mosaic habitats on previously developed land
- Vacant or derelict land
- Vegetated garden

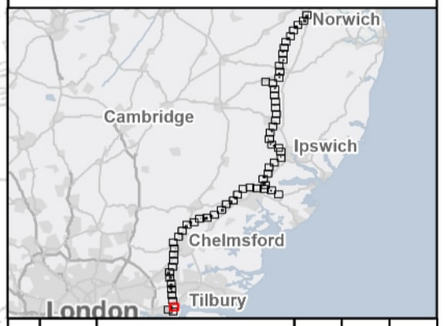
Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Lakes
- Ponds (priority habitat)
- Reservoirs

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 61 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

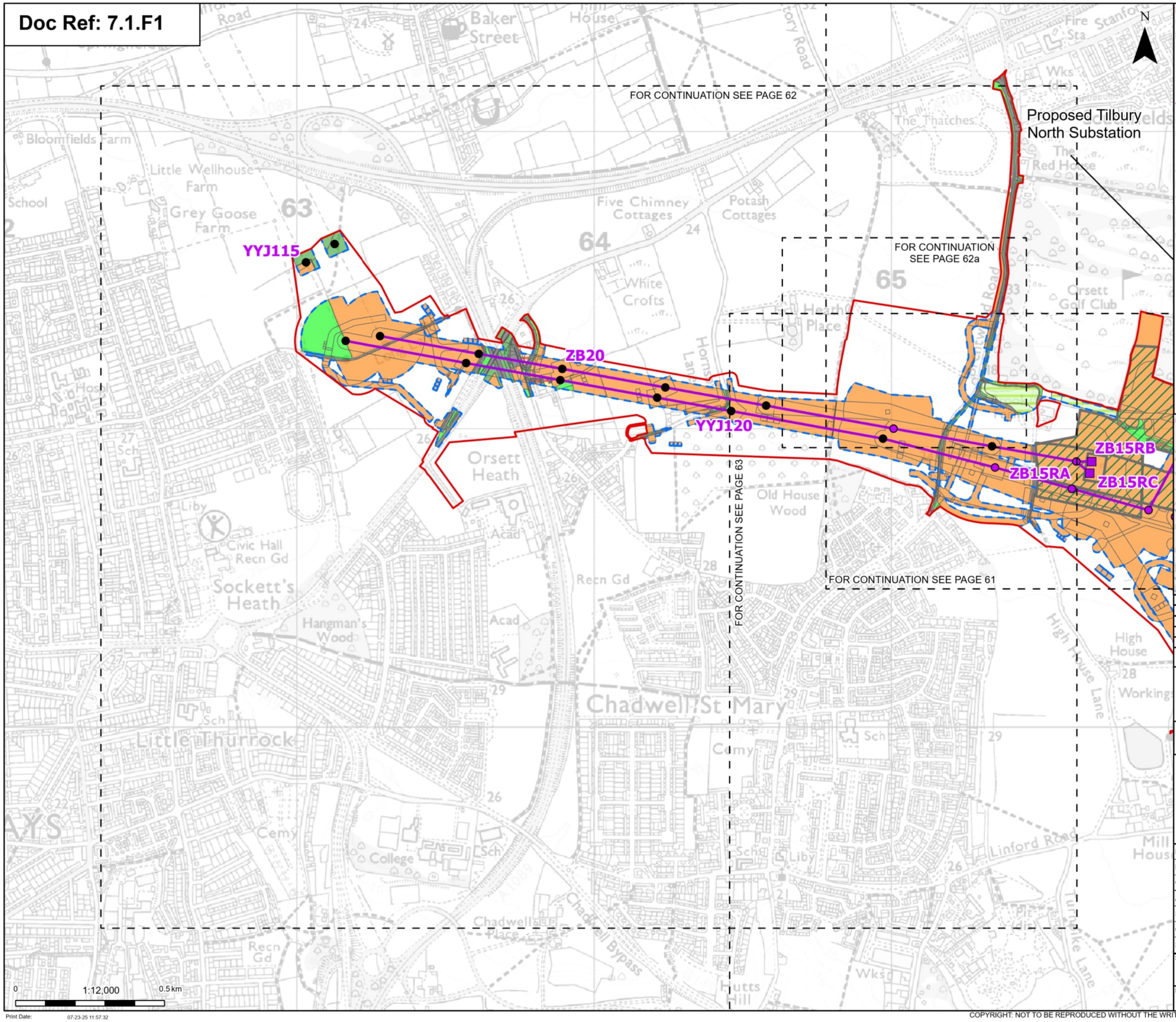
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:57:29

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits
Sheet index cutline

Proposed project design details
- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

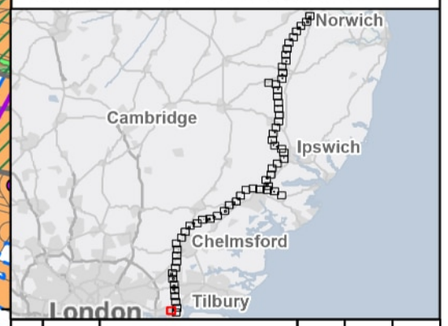
Heathland and shrub
- Mixed scrub

Urban
- Actively worked sand pit quarry or open cast mine
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 62 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

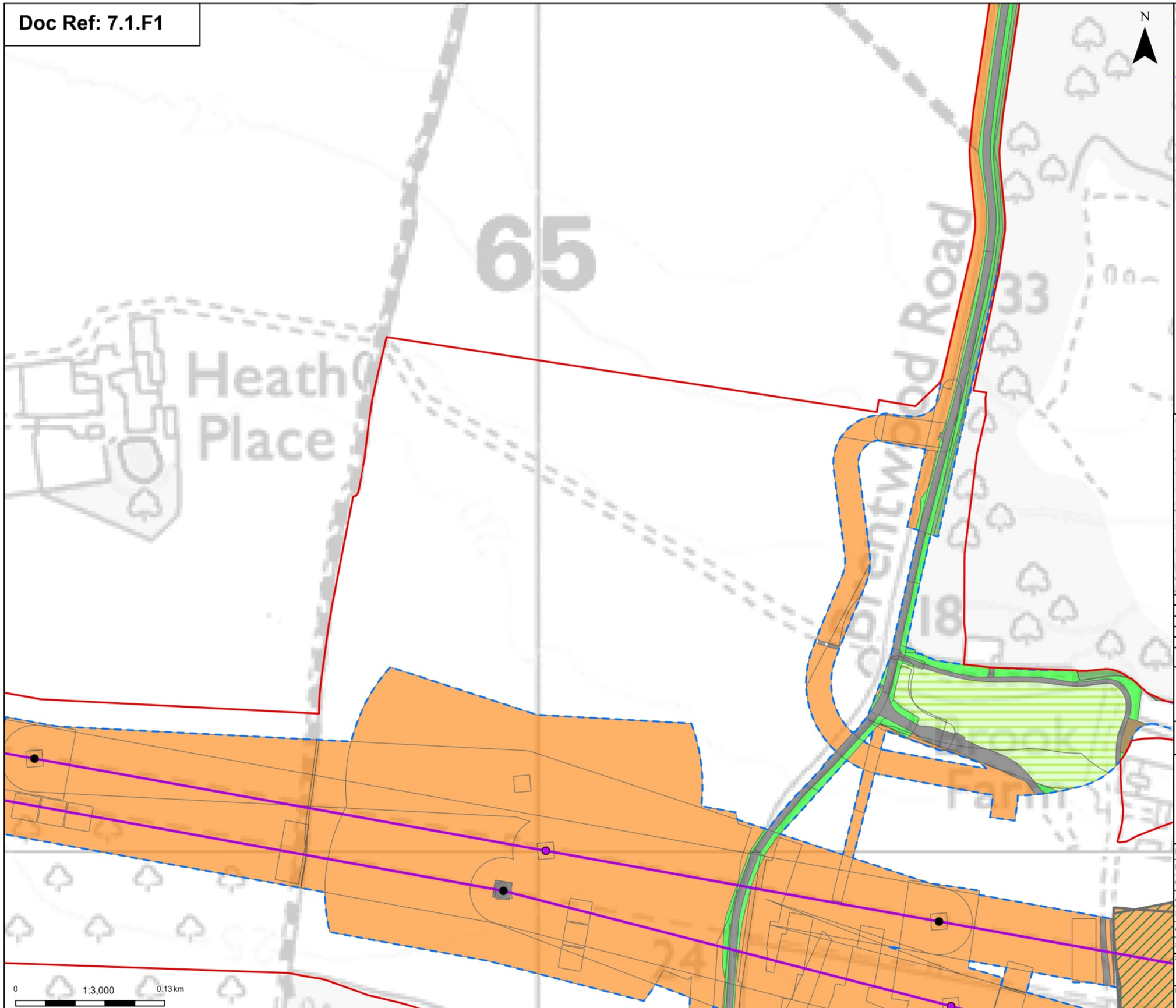
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

Print Date: 07-23-25 11:57:32

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



Order limits

Proposed project design details

- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland

- Cereal crops

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Mixed scrub

Urban

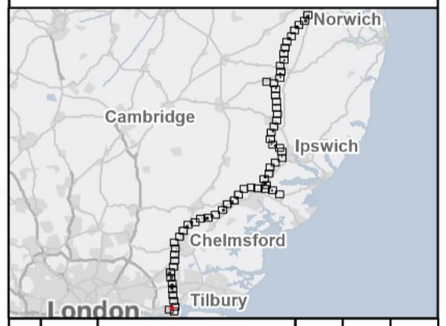
- Built linear features
- Developed land; sealed surface

Woodland and forest

- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 62a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

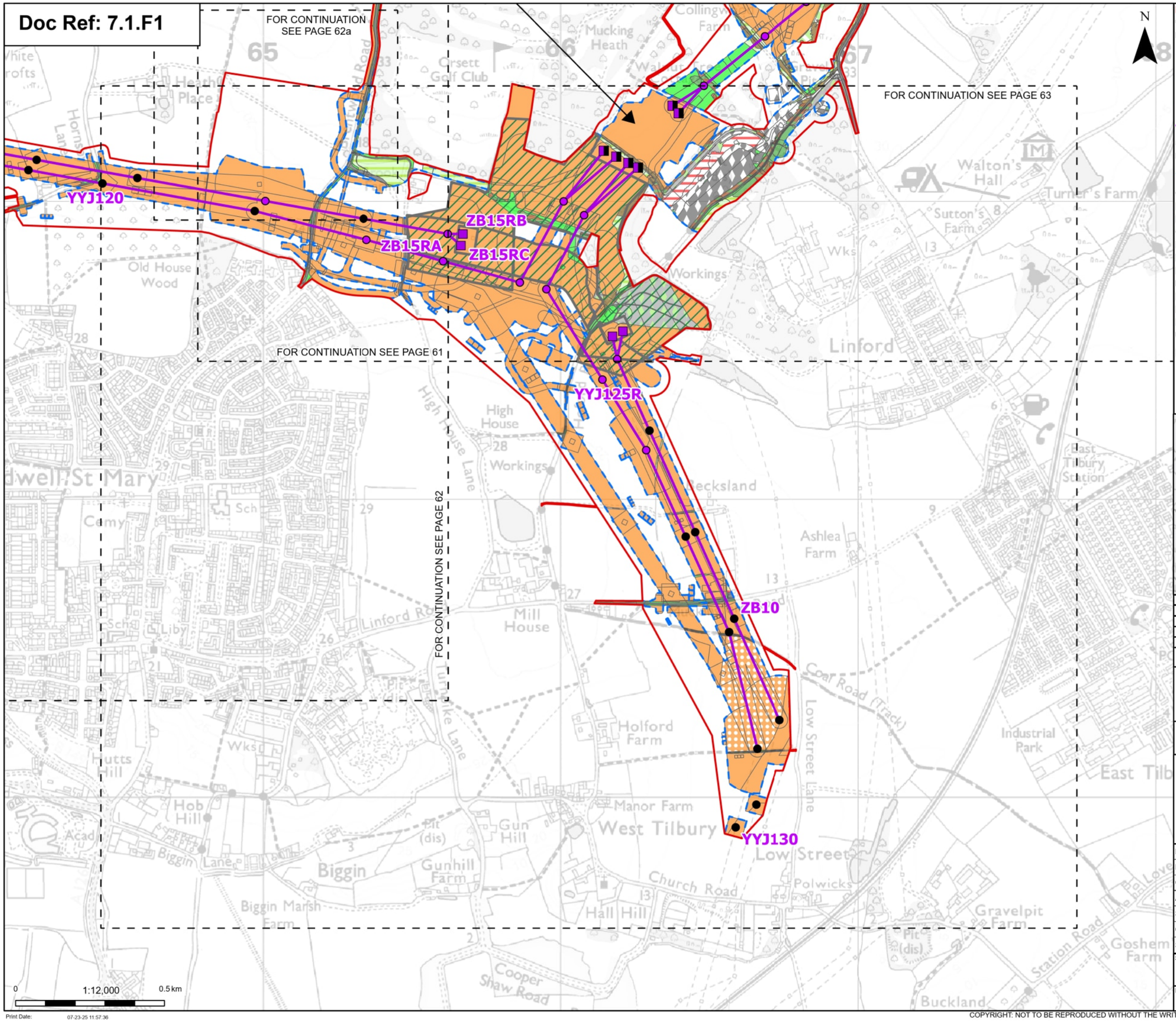
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F1



- 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
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Hawthorn scrub
- Mixed scrub

Urban
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Open mosaic habitats on previously developed land
- Vacant or derelict land
- Vegetated garden

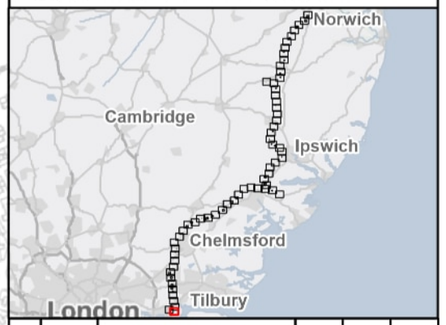
Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Lakes
- Reservoirs

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.1 -
UK Habitat Classification Map
(pre-development baseline)
Page 63 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00765

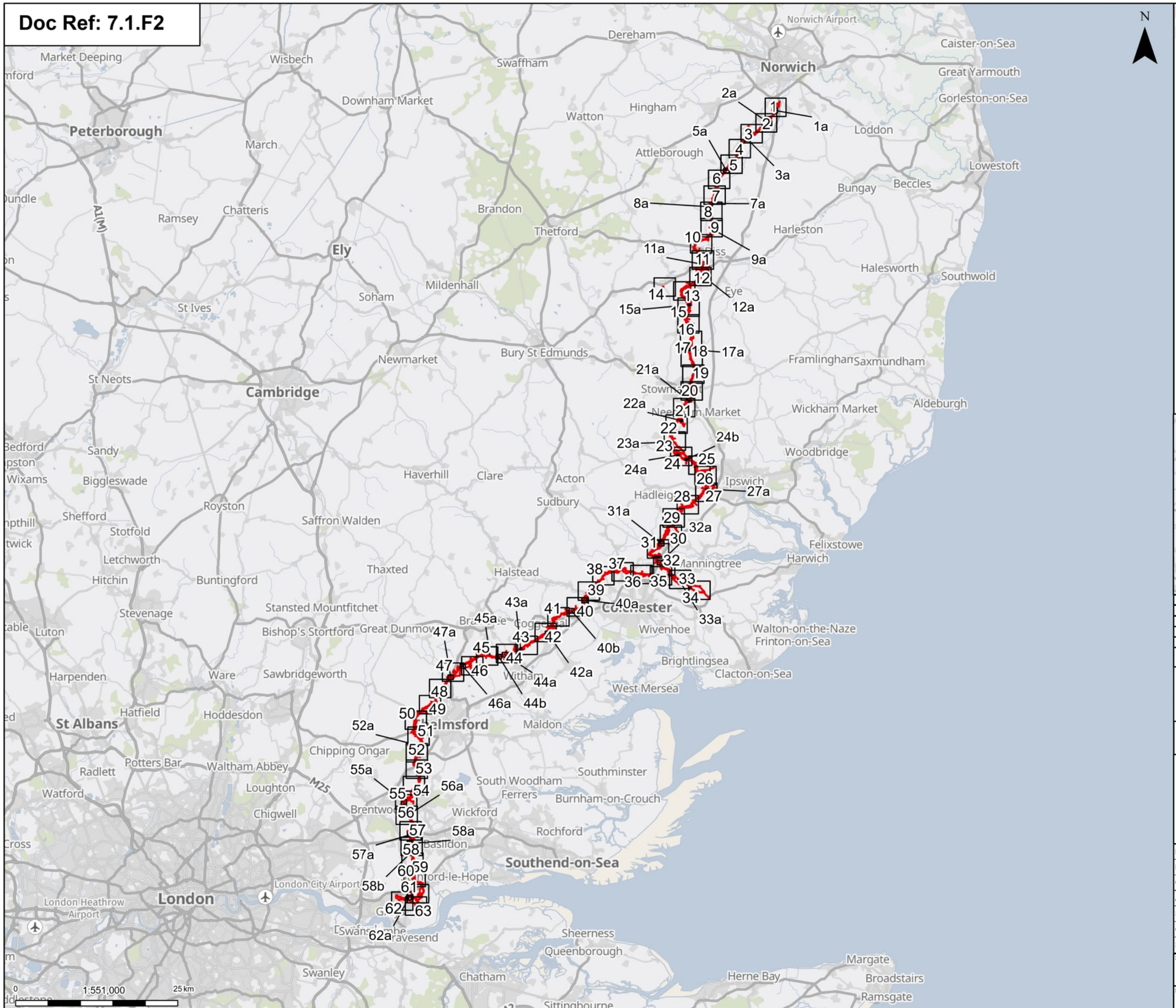
Revision: A

Print Date: 07-23-25 11:57:36

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Figure 7.7.2 UK Habitat Classification Map (post-development)

Doc Ref: 7.1.F2



0 1:551,000 25 km

Print Date: 07-23-25 11:53:04

N

Order limits

Page

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Overview

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:551,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

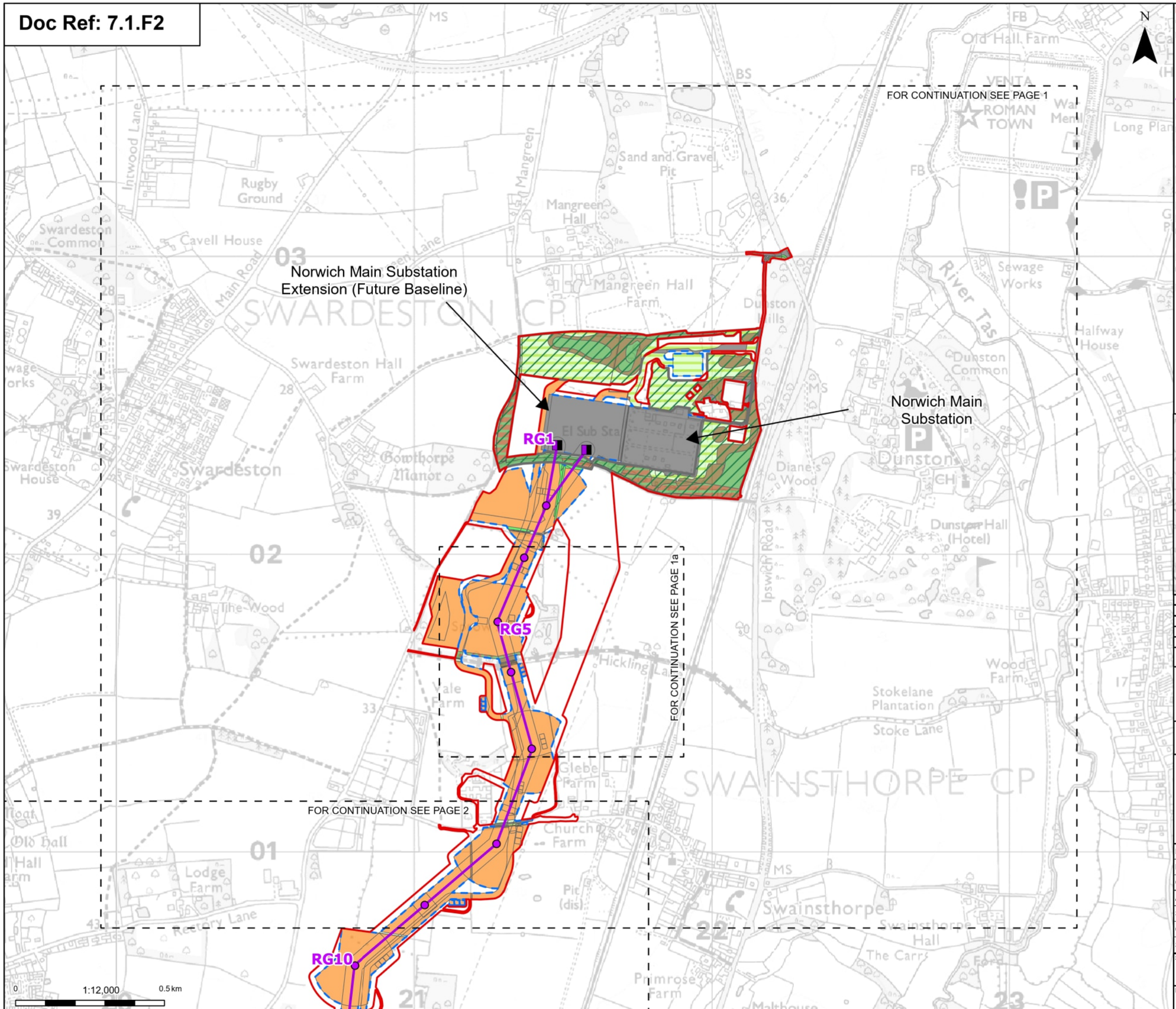
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Actively worked sand pit quarry or open cast mine

Artificial unvegetated, unsealed surface
Bare ground
Developed land; sealed surface

Sparsely vegetated land
Tall forbs

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved
Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 1 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

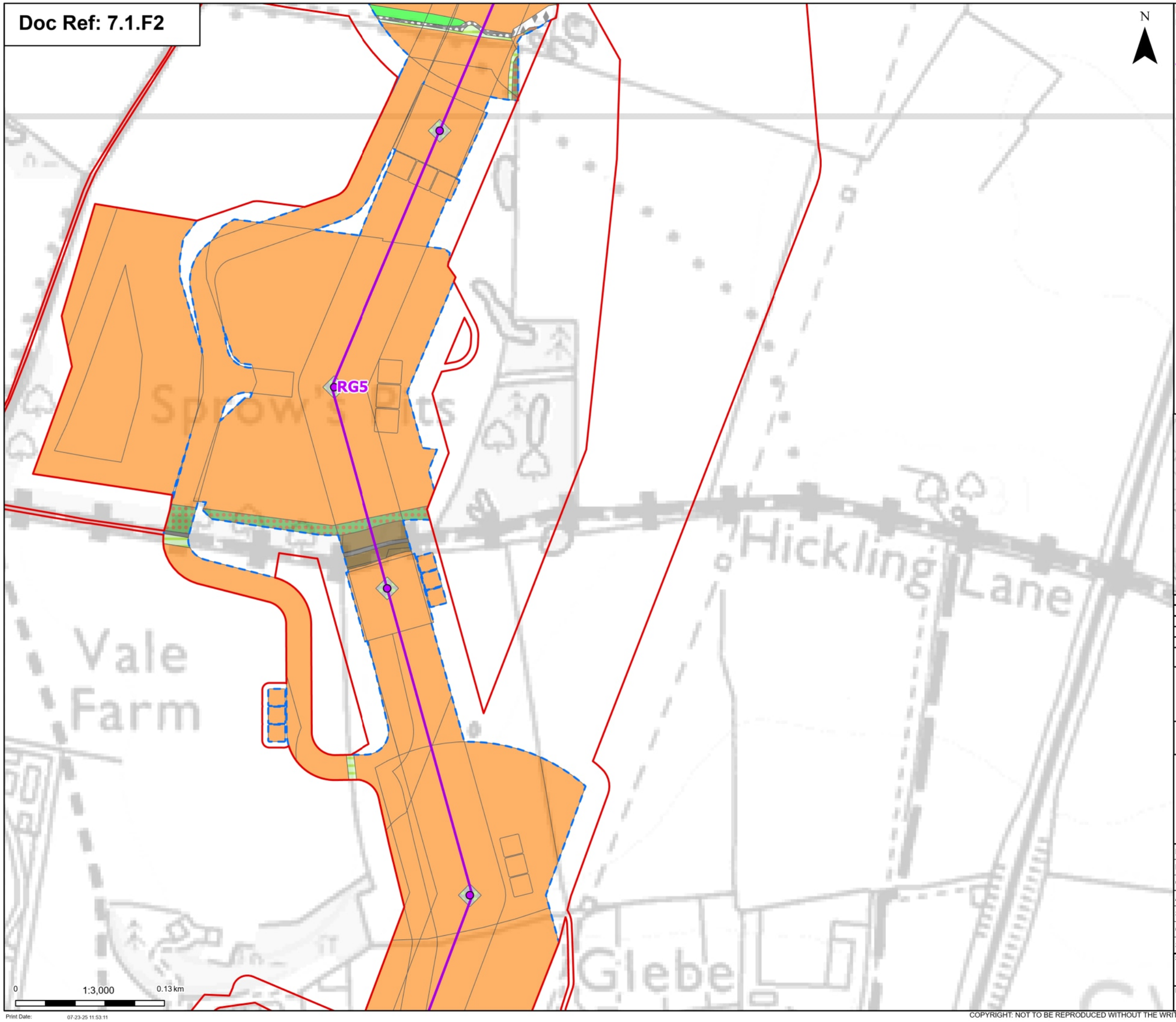
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:53:08

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



N

- Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 1a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

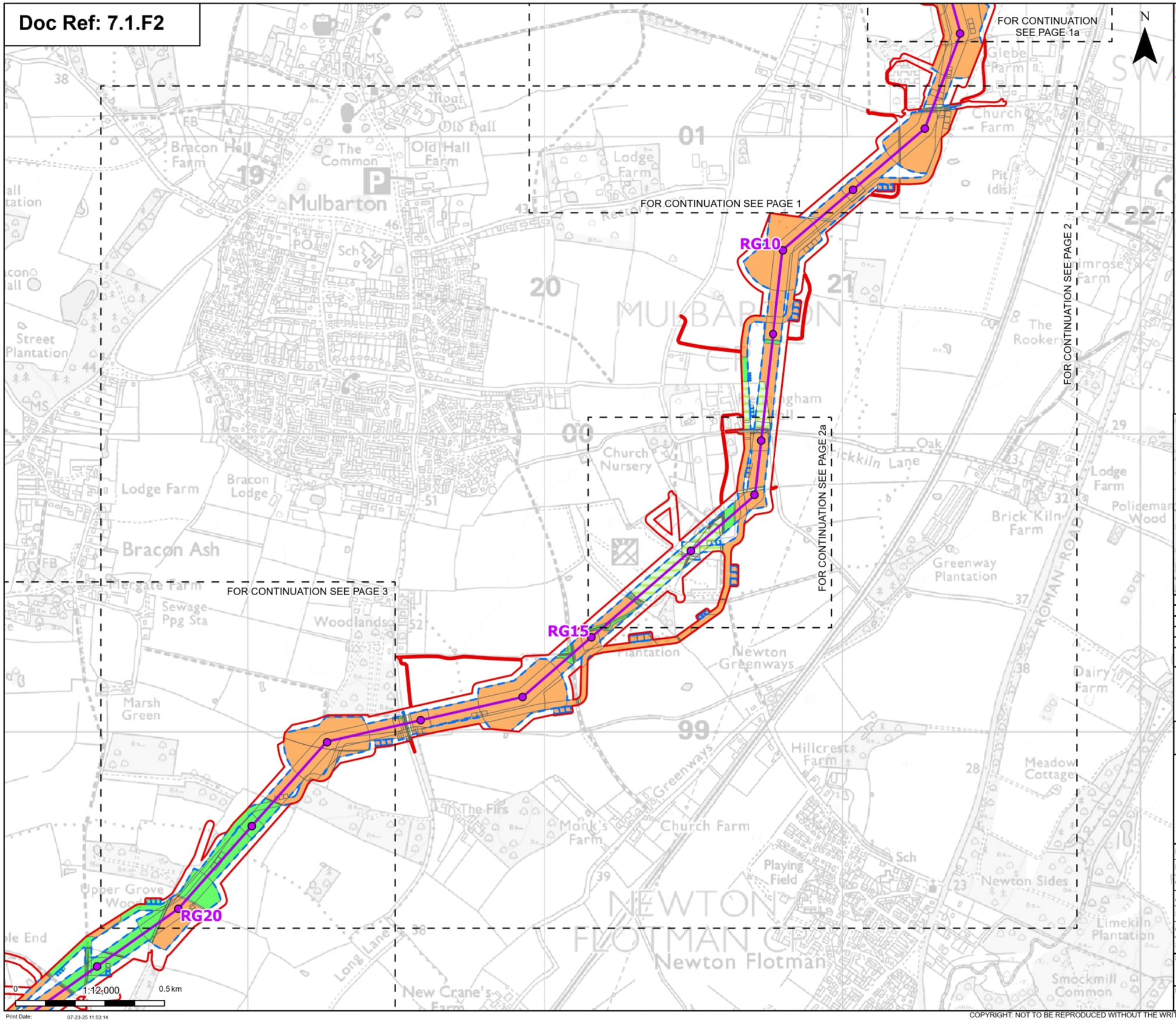
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:53:11

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Bare ground
Built linear features
Developed land; sealed surface

Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 2 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

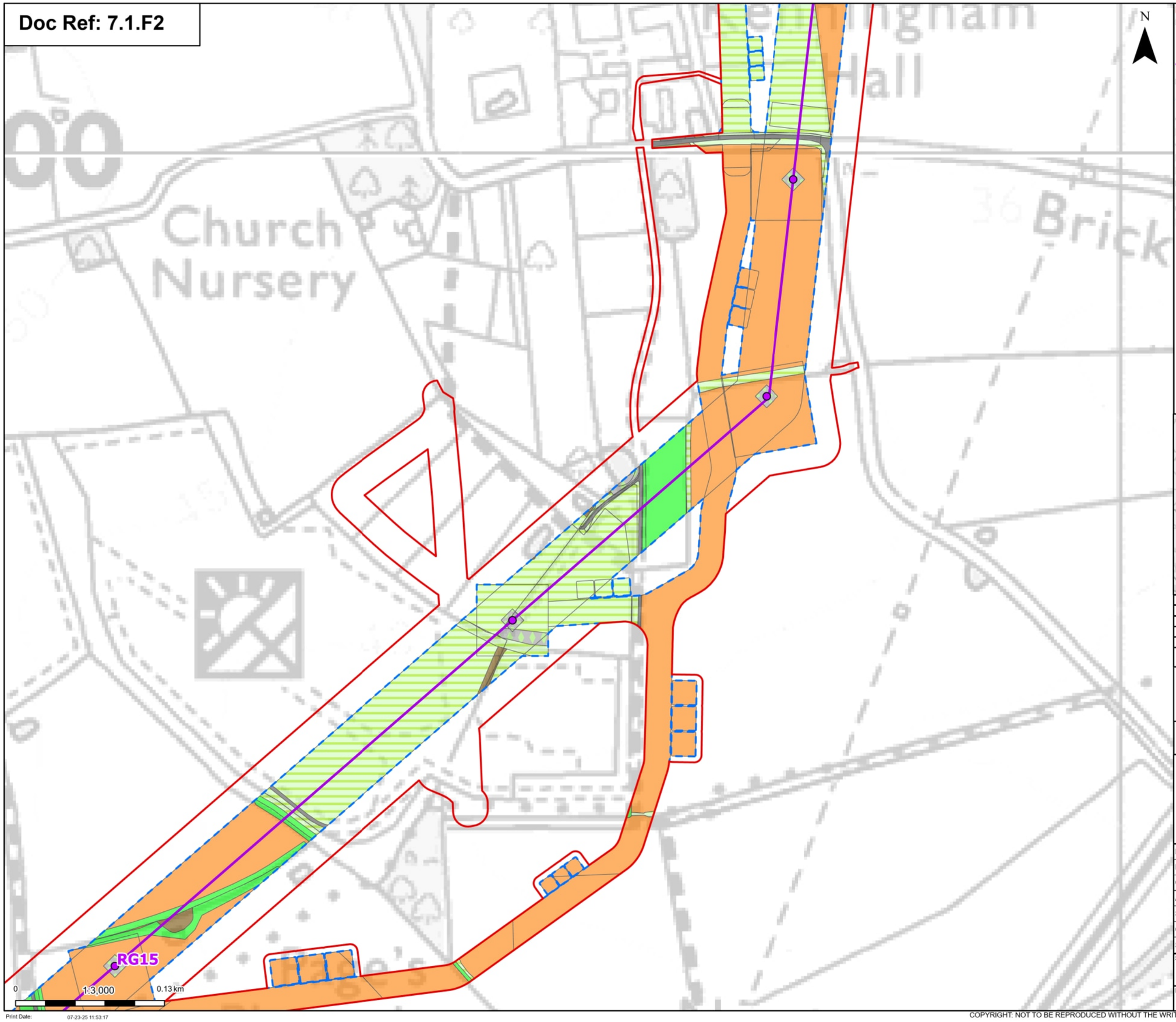
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:53:14

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Built linear features

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Tall forbs

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 2a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

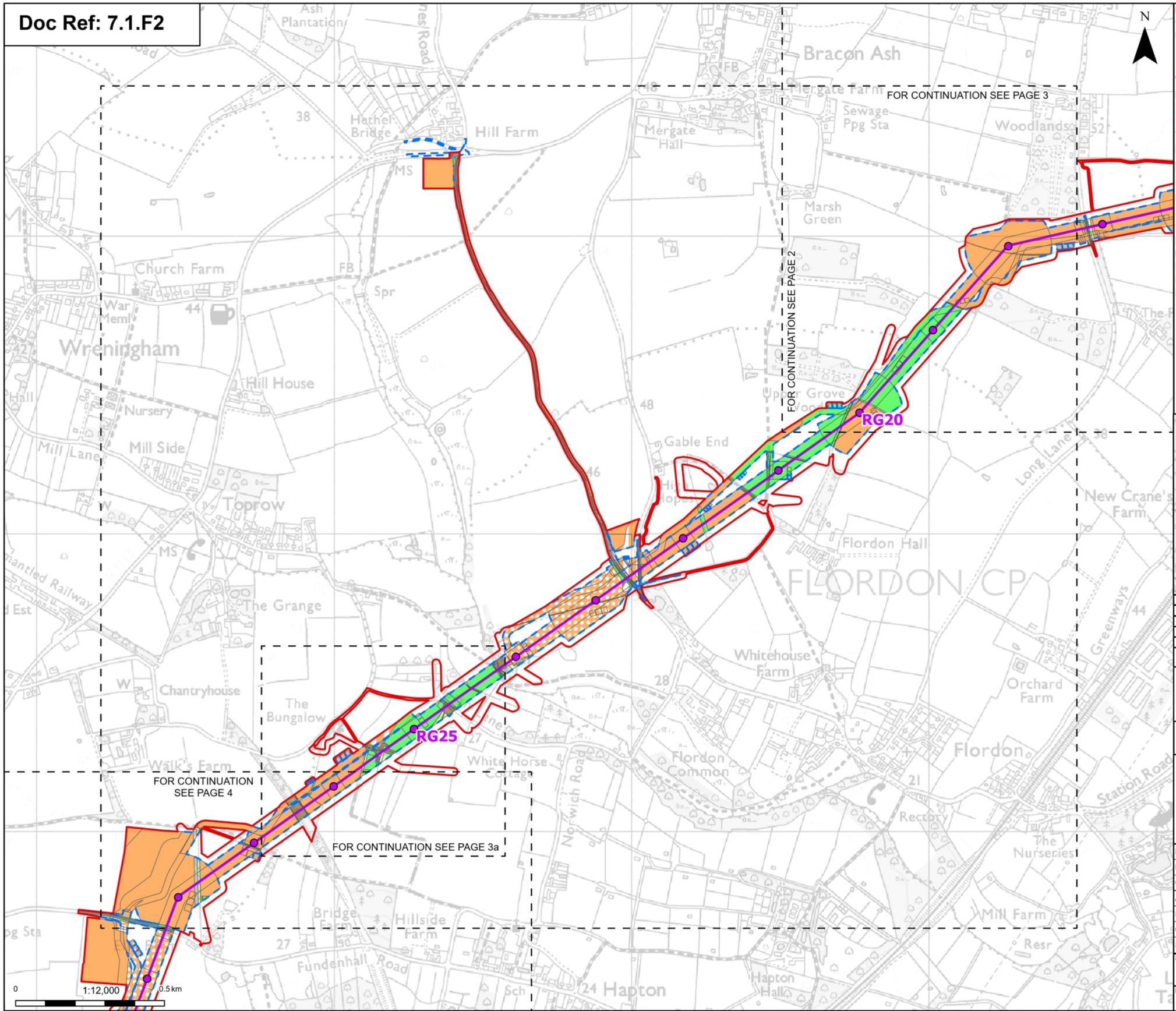
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 - UK Habitat Classification Map (post-development) Page 3 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

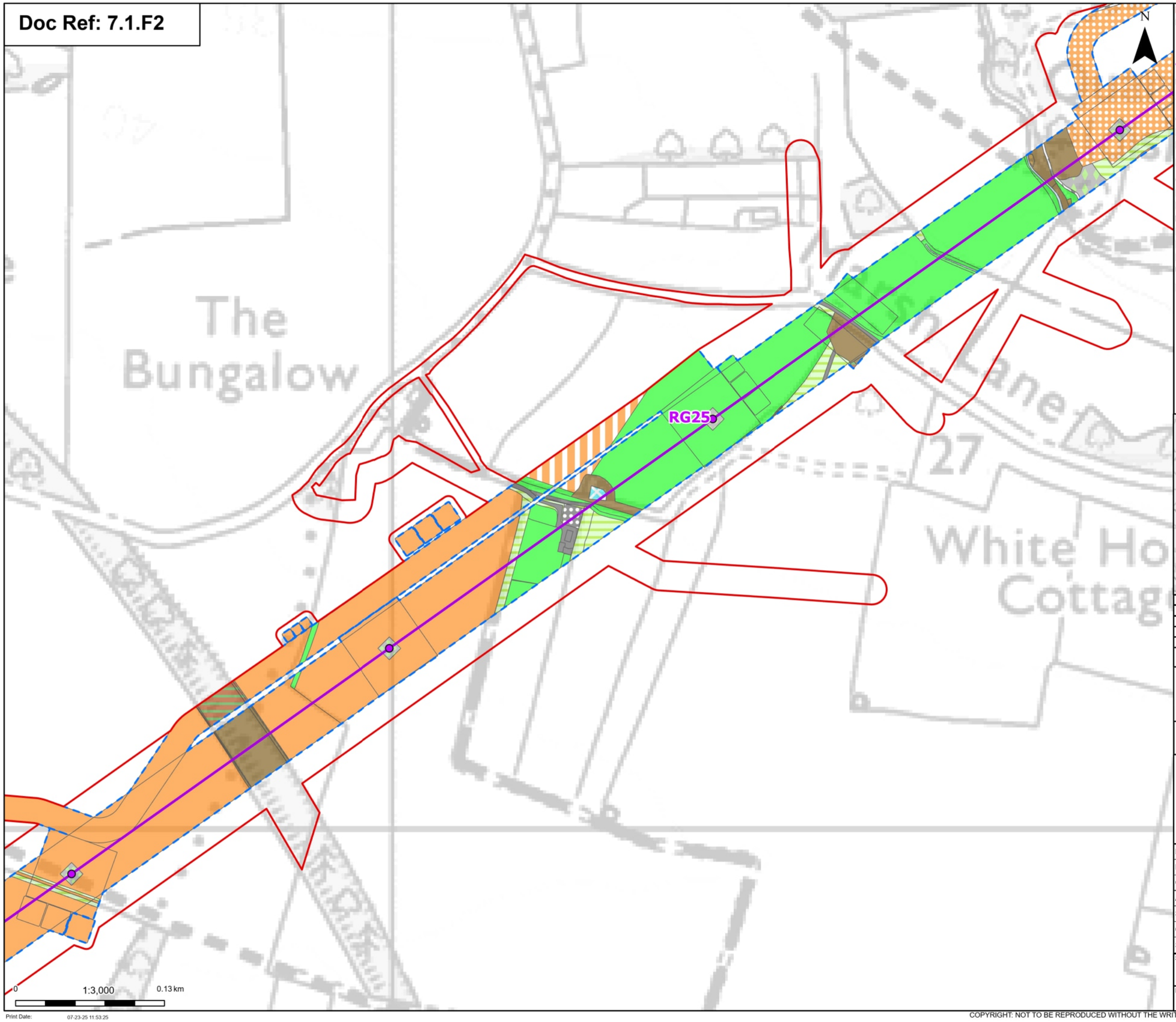
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:53:22

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Temporary grass and clover leys

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Blackthorn scrub

Bramble scrub

Mixed scrub

Urban

Artificial unvegetated, unsealed surface

Bare ground

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Tall forbs

Lakes

Ponds (priority habitat)

Watercourse footprint

Watercourse footprint

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 3a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

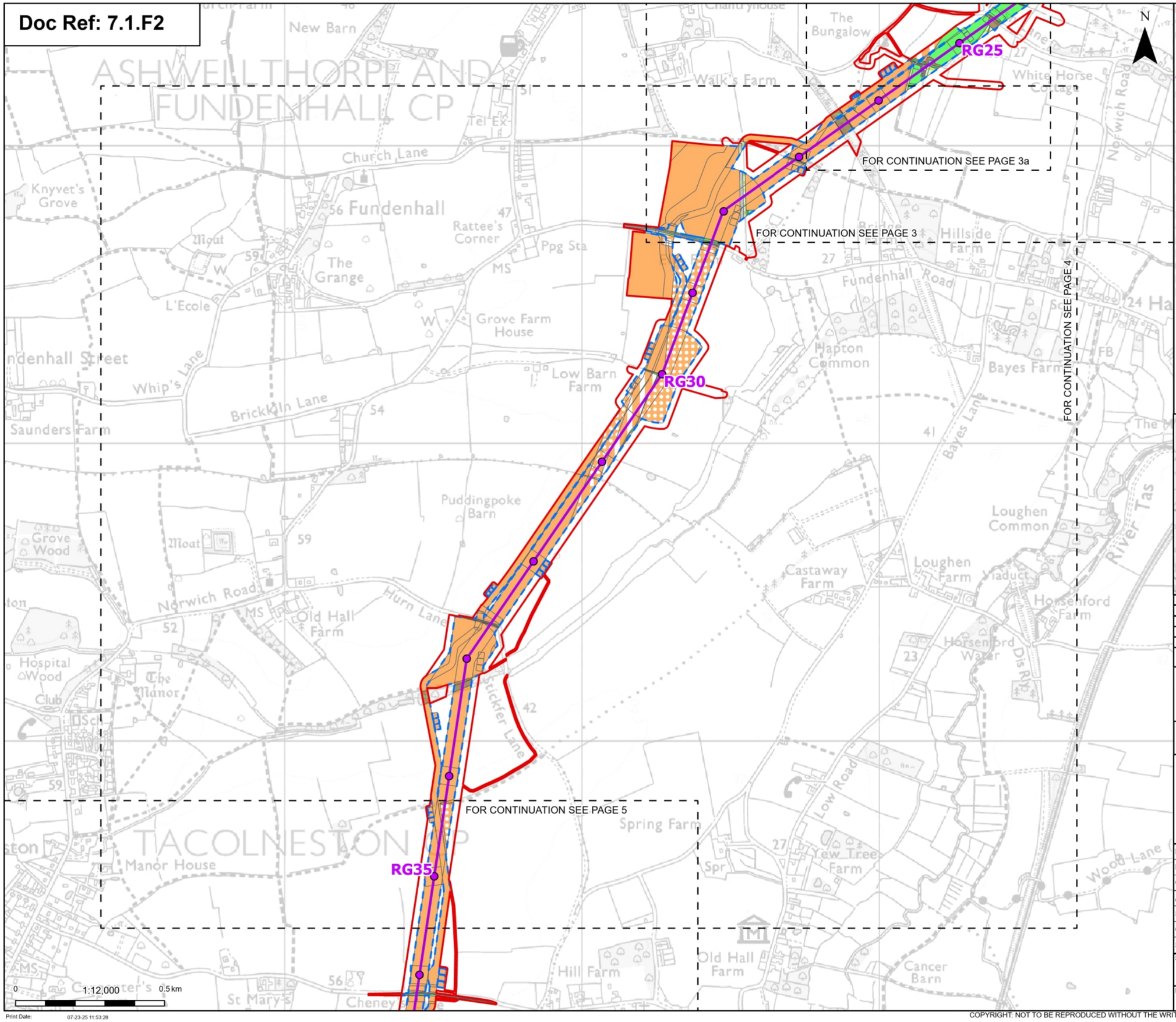
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:53:25

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:53:28

Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

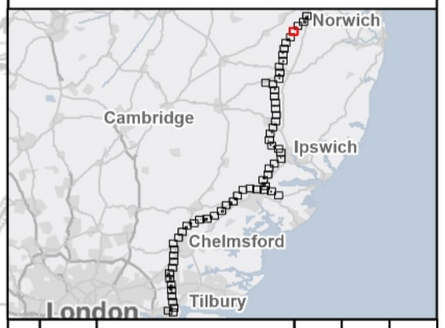
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 4 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

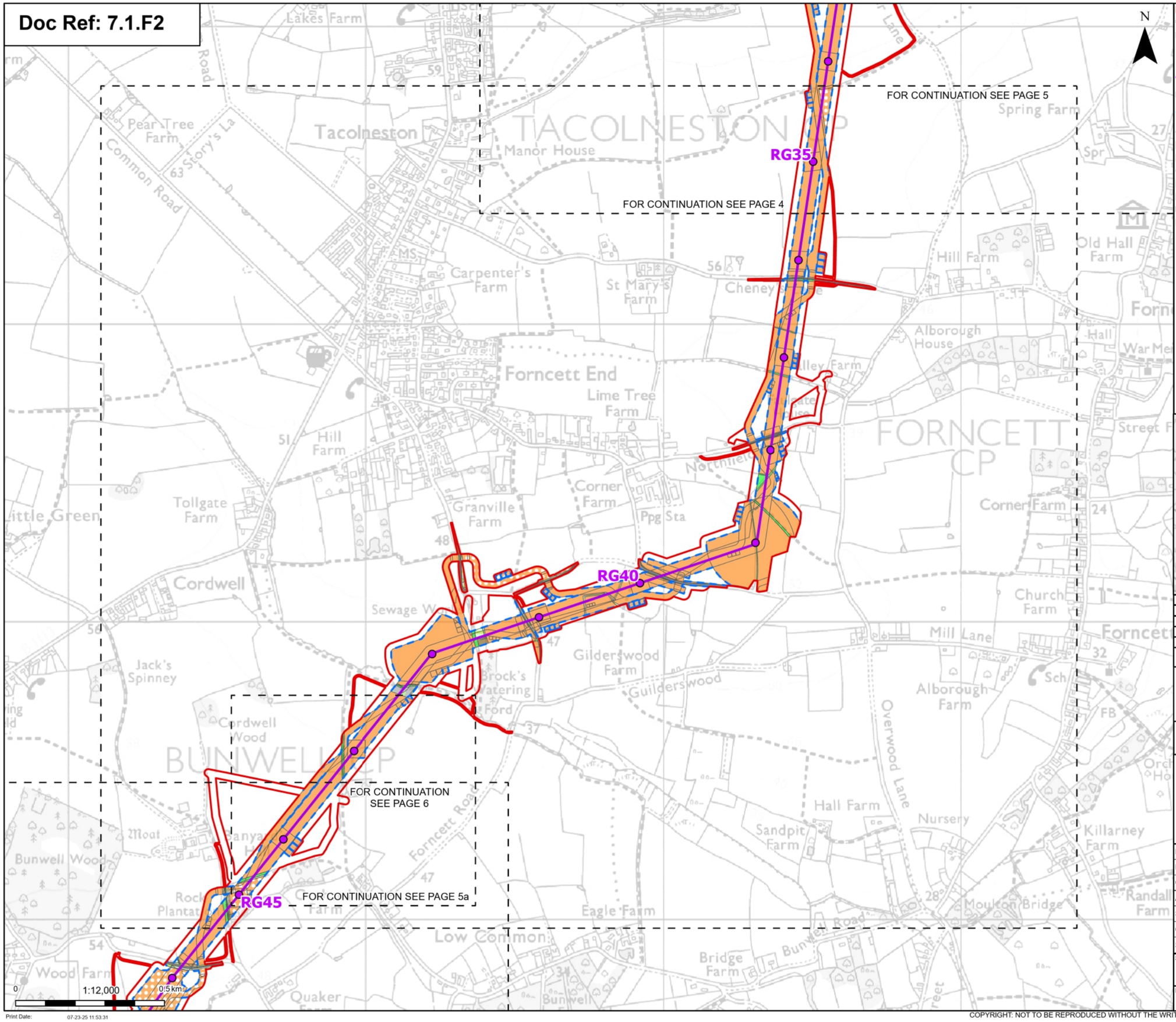
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Developed land; sealed surface

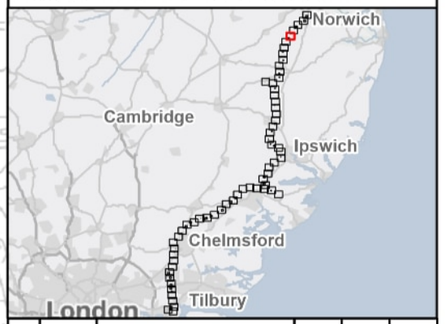
Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 5 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

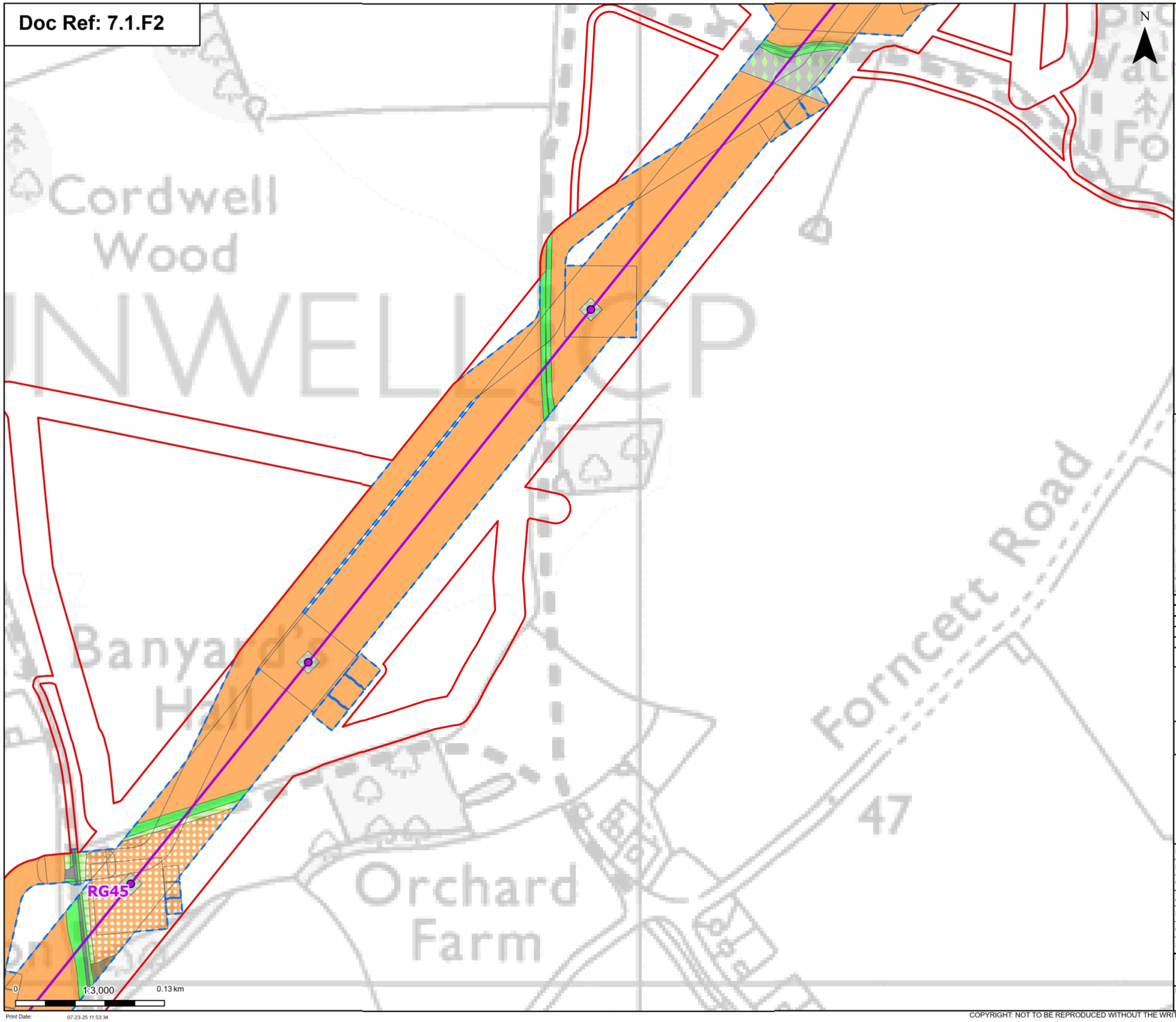
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:53:31

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:53:34

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Tall forbs

Watercourse footprint

Watercourse footprint

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 5a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

RG45

RG50

FOR CONTINUATION SEE PAGE 5a

FOR CONTINUATION SEE PAGE 5

FOR CONTINUATION SEE PAGE 6

FOR CONTINUATION SEE PAGE 7

0 1:12,000 0.5 km

Print Date: 07-23-25 11:53:37

N

Order limits
Sheet index cutline

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints
Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Bare ground

Developed land; sealed surface

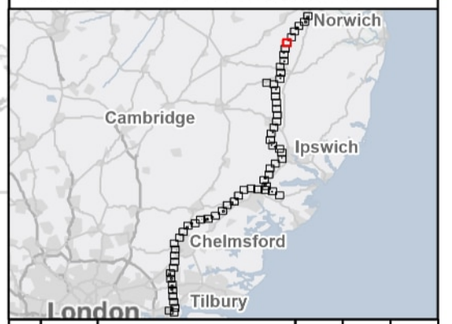
Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 6 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

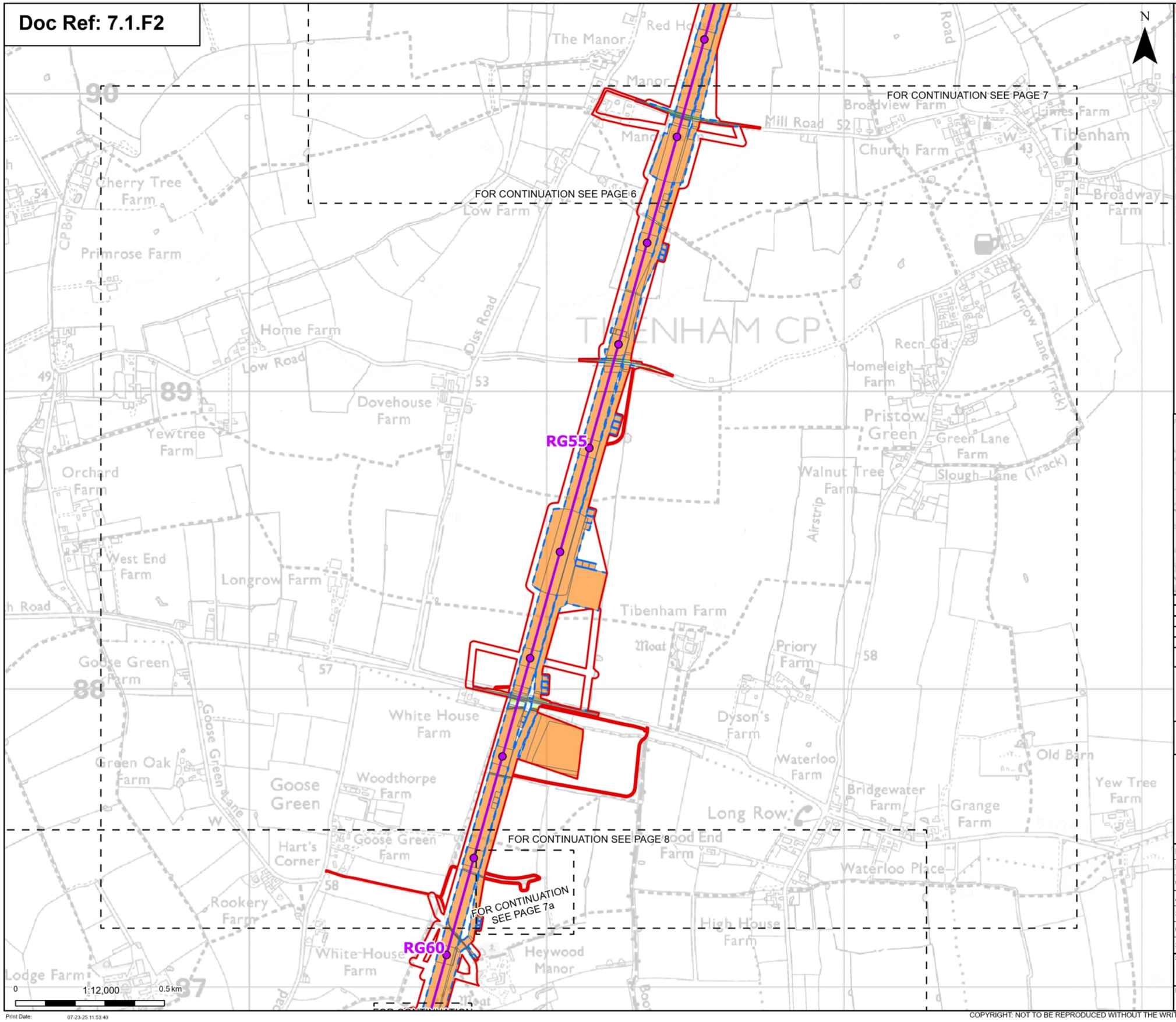
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints
Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Bare ground
Developed land; sealed surface

Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 7 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:53:40

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 7a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

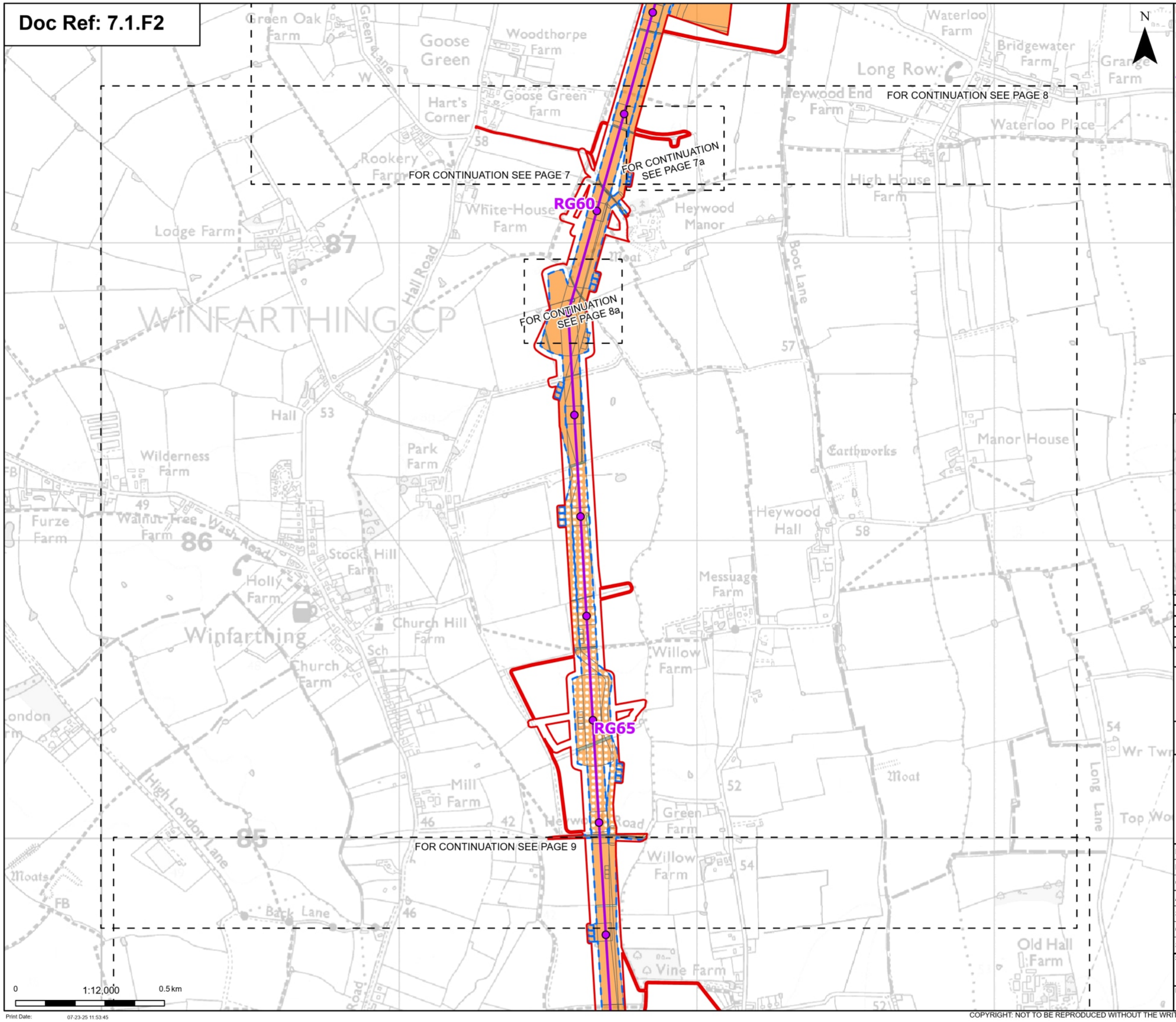
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:53:43

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Developed land; sealed surface

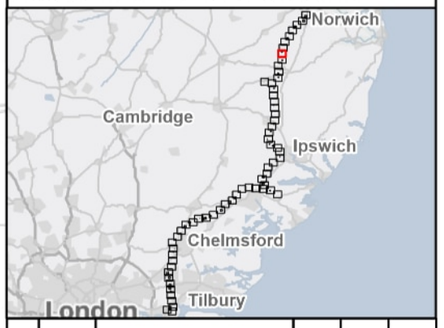
Sparsely vegetated land
Tall forbs

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 8 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

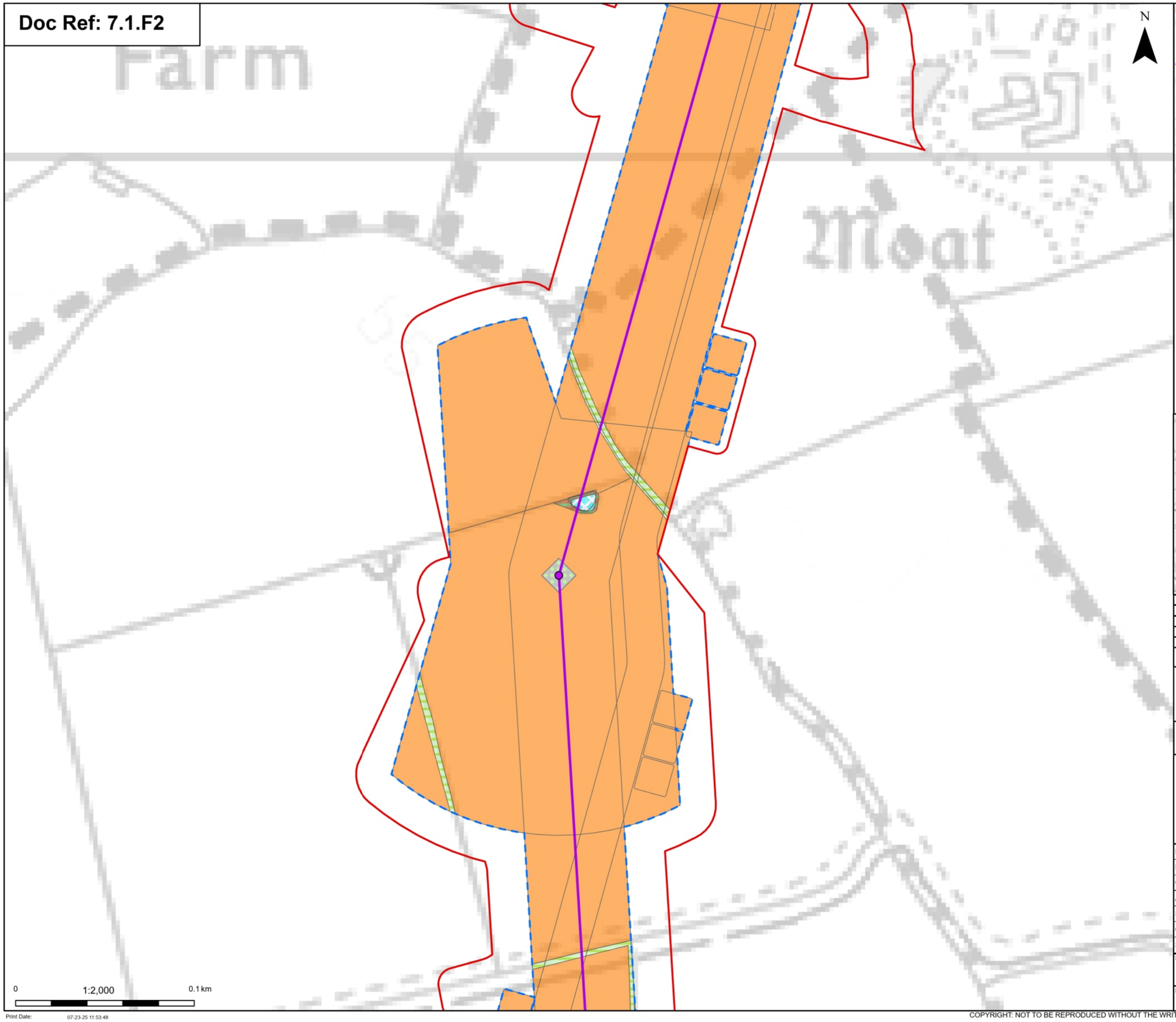
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:53:45

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:53:48

- Order limits
- **Proposed project design details**
  - Proposed standard lattice pylon location
  - Proposed overhead line alignment
- **Discipline specific constraints**
  - Maximum construction boundary
- Cropland
  - Cereal crops
- Grassland
  - Other neutral grassland
- Heathland and shrub
  - Mixed scrub
- Sparsely vegetated land
  - Tall forbs
- Lakes
  - Ponds (priority habitat)
- Woodland and forest
  - Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 8a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

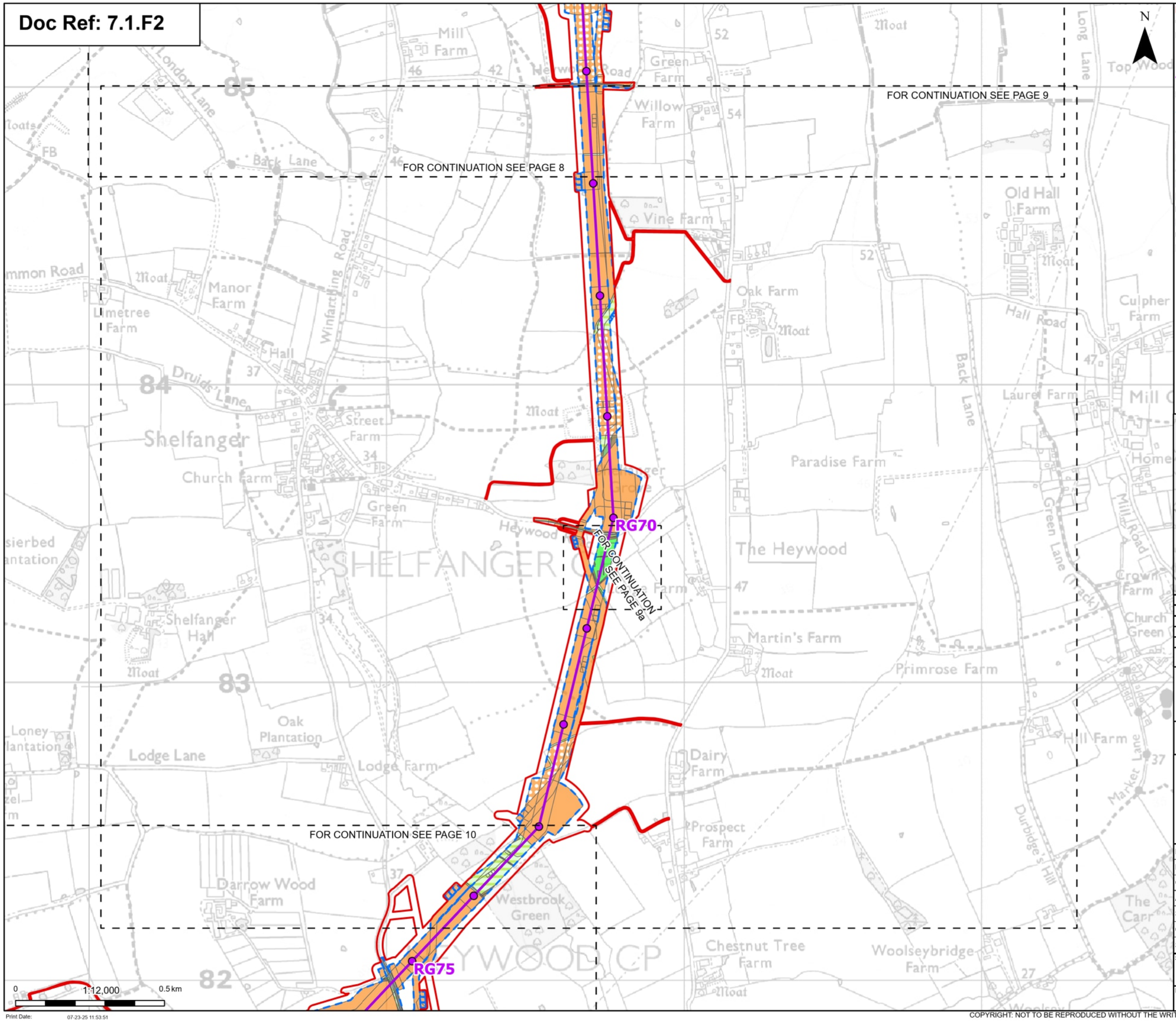
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

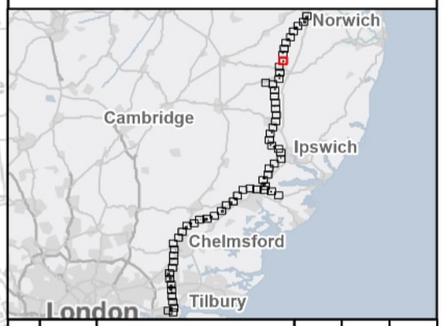
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 9 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

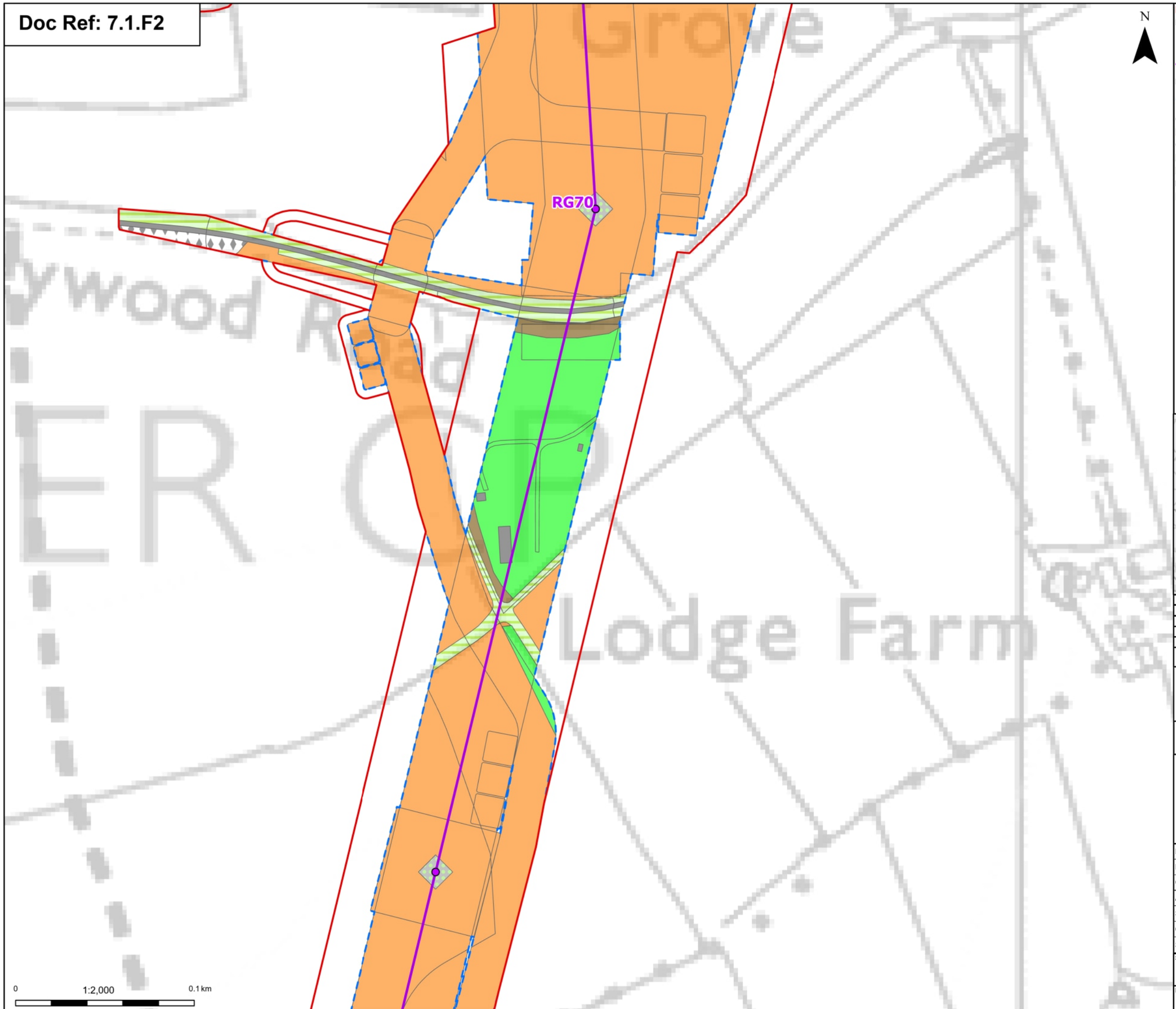
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Bare ground

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 9a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

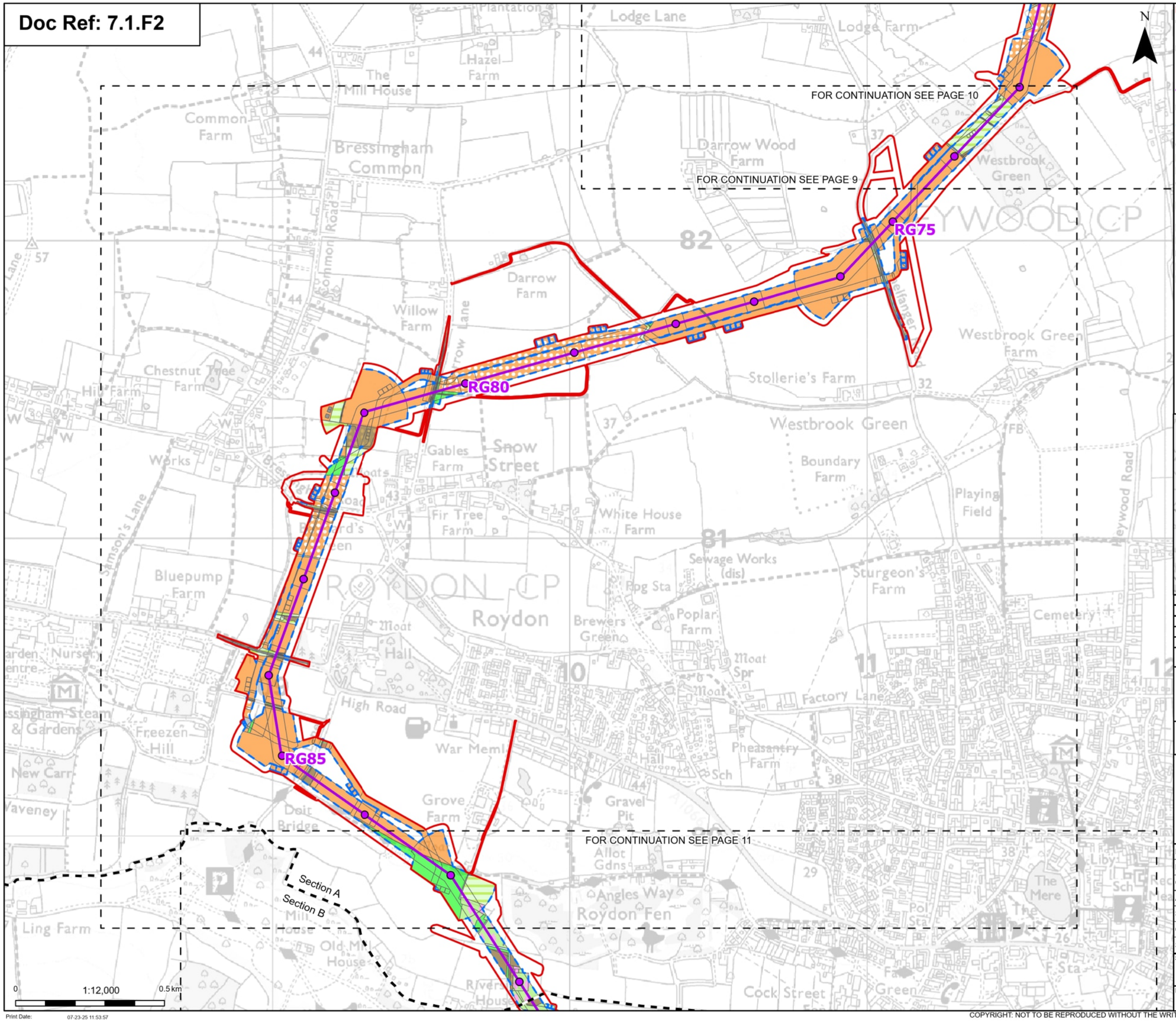
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline
Project section line

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub
- Willow scrub

Urban
- Built linear features
- Developed land; sealed surface

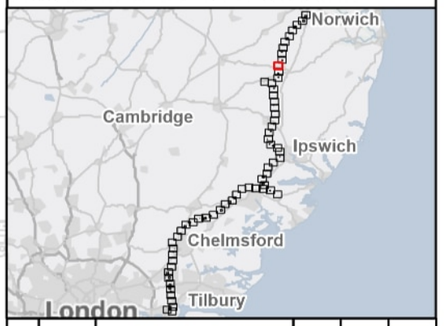
Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 10 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

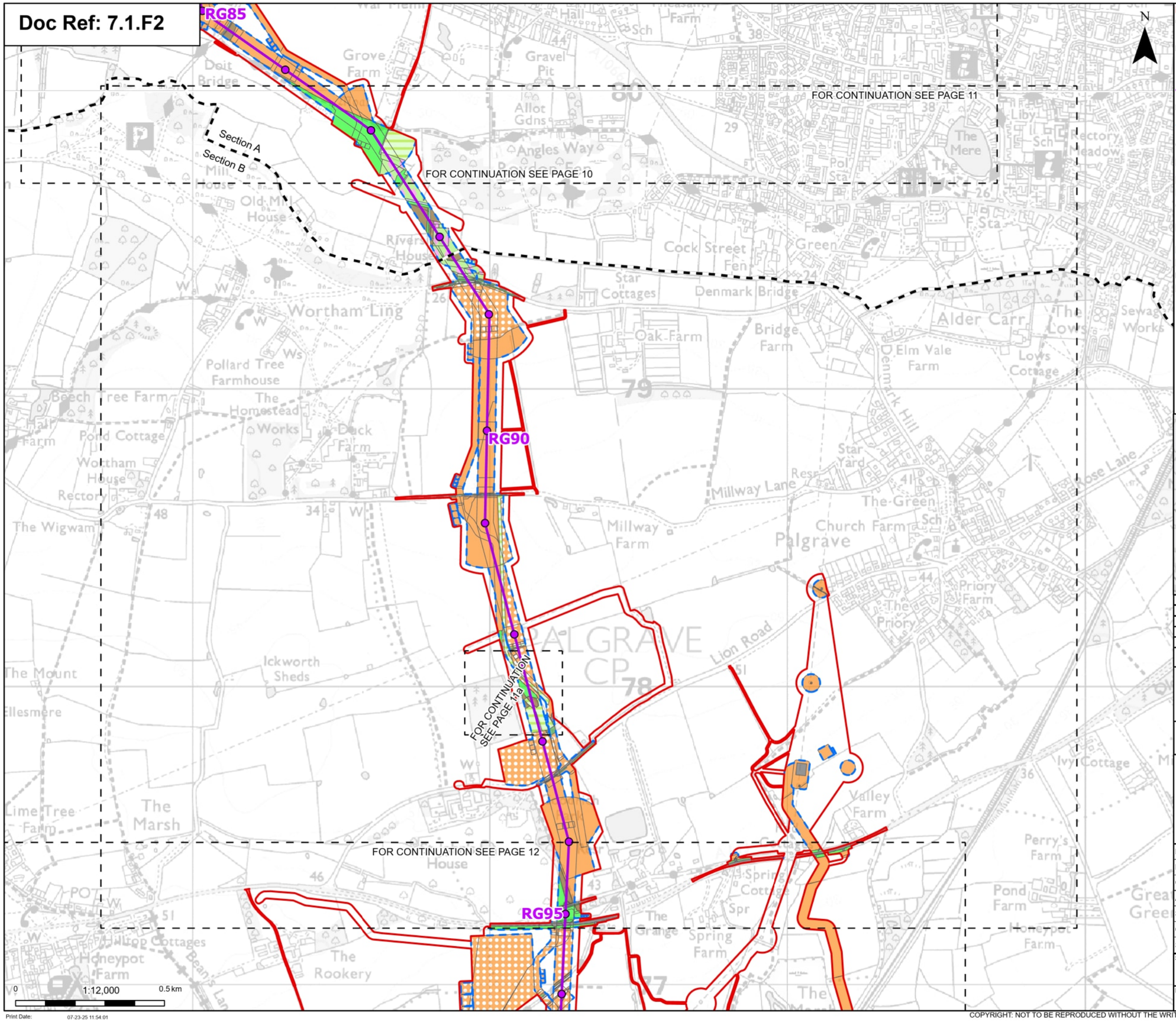
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:53:57

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:54:01

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub
- Willow scrub

Urban
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 11 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

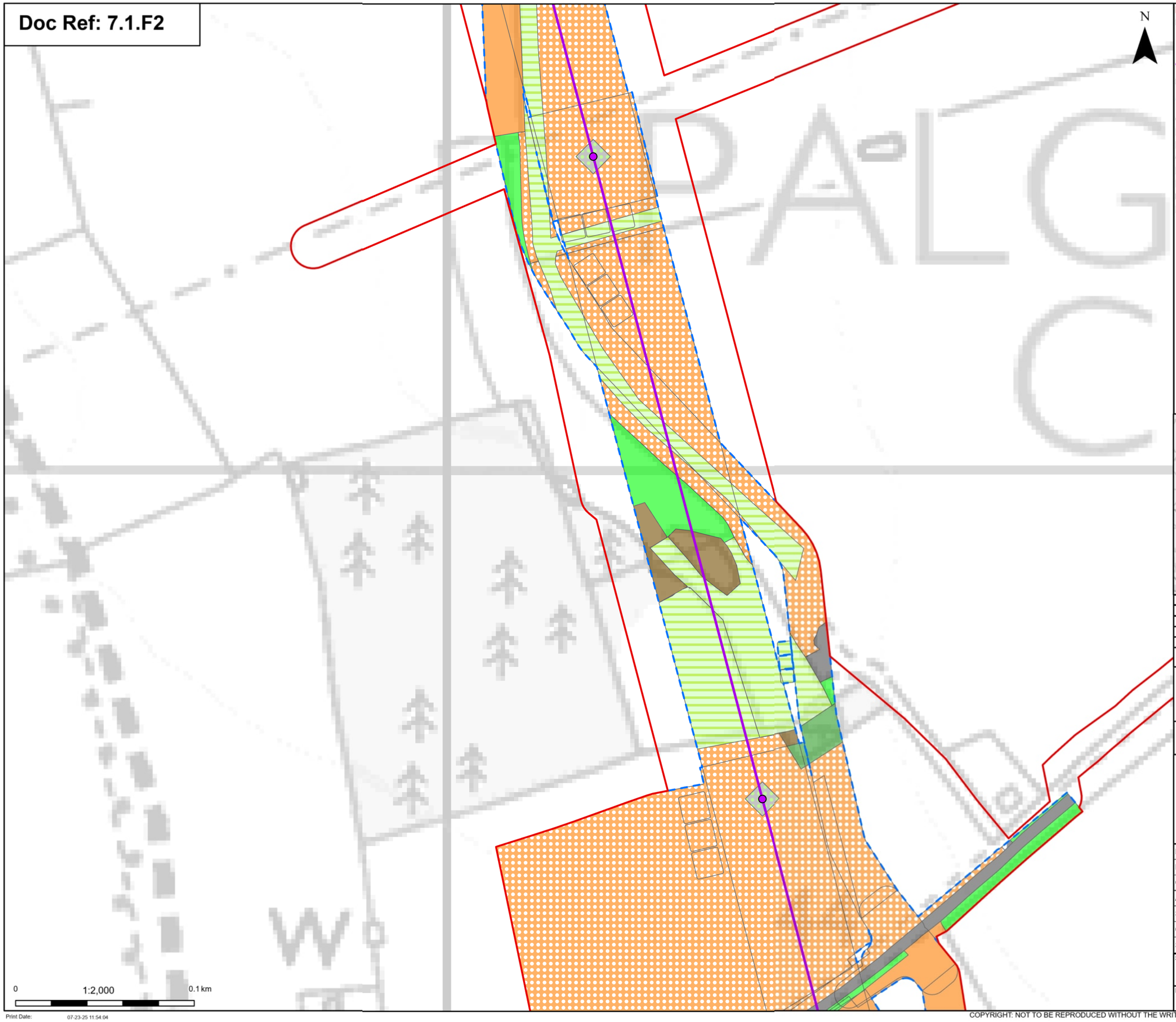
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 11a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

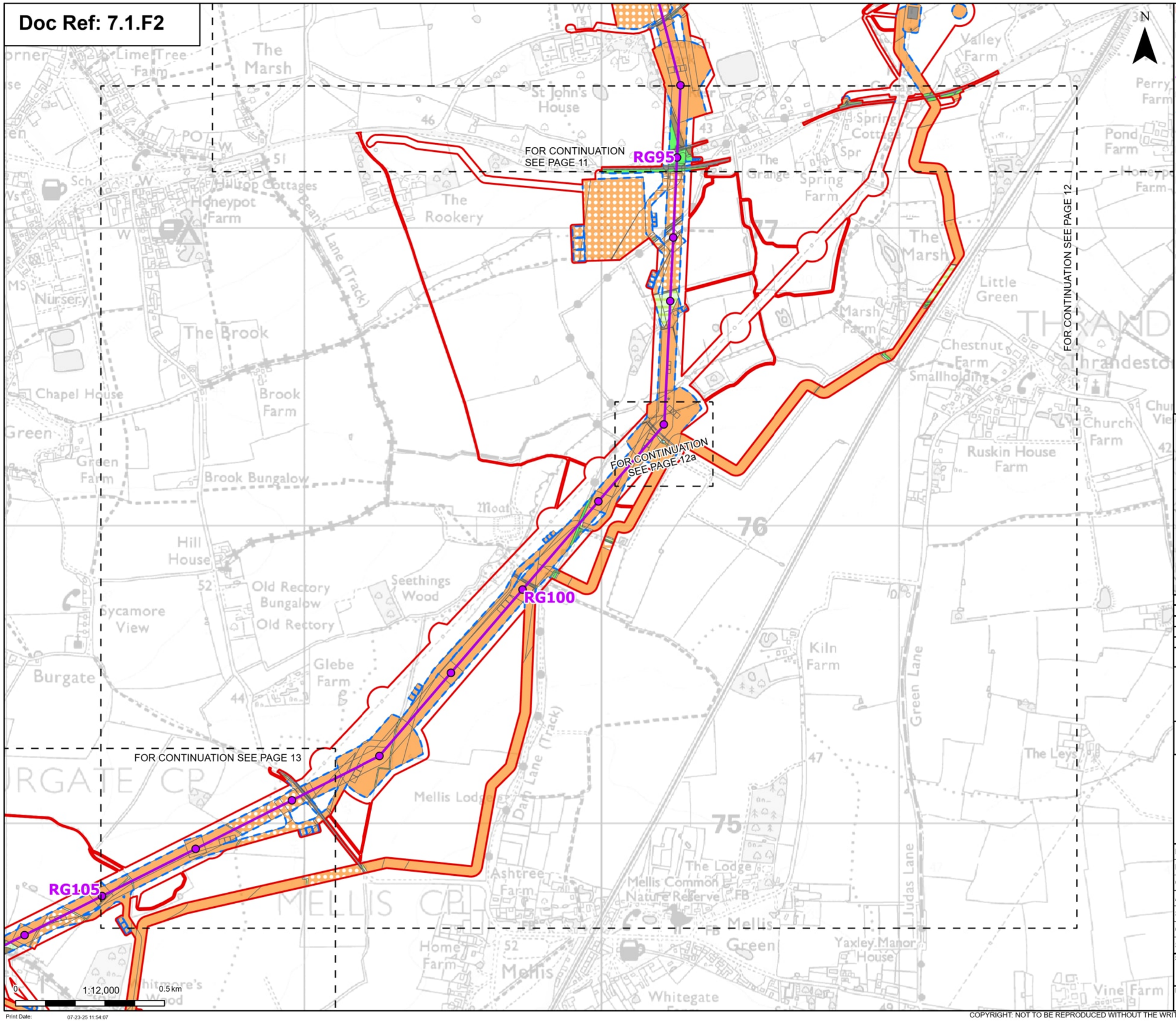
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 12 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:07

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

N

0 1:2,000 0.1 km

Print Date: 07-23-25 11:54:10

- Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins game bird mix
- Cereal crops

Grassland

- Modified grassland
- Other neutral grassland

Urban

- Built linear features
- Developed land; sealed surface

Sparsely vegetated land

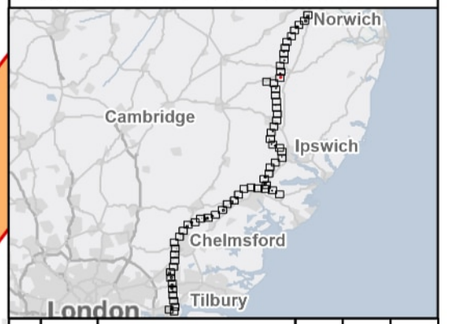
- Tall forbs

Lakes

- Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 12a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

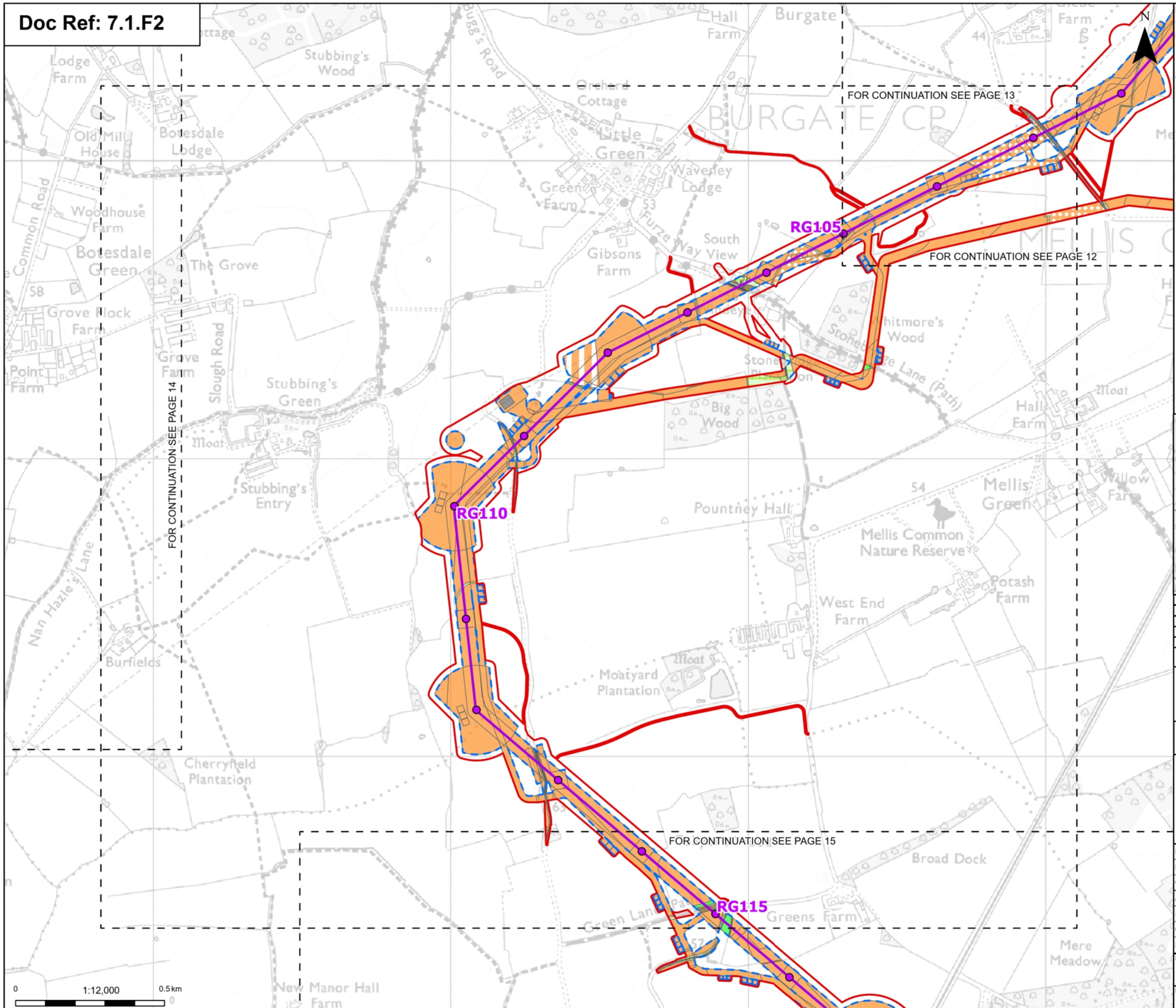
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

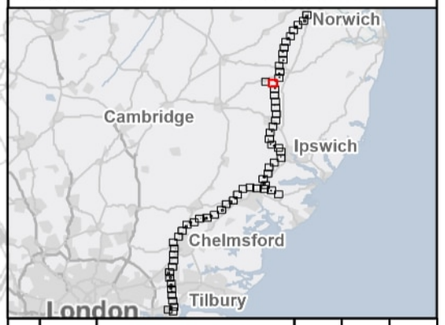
Urban
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 13 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

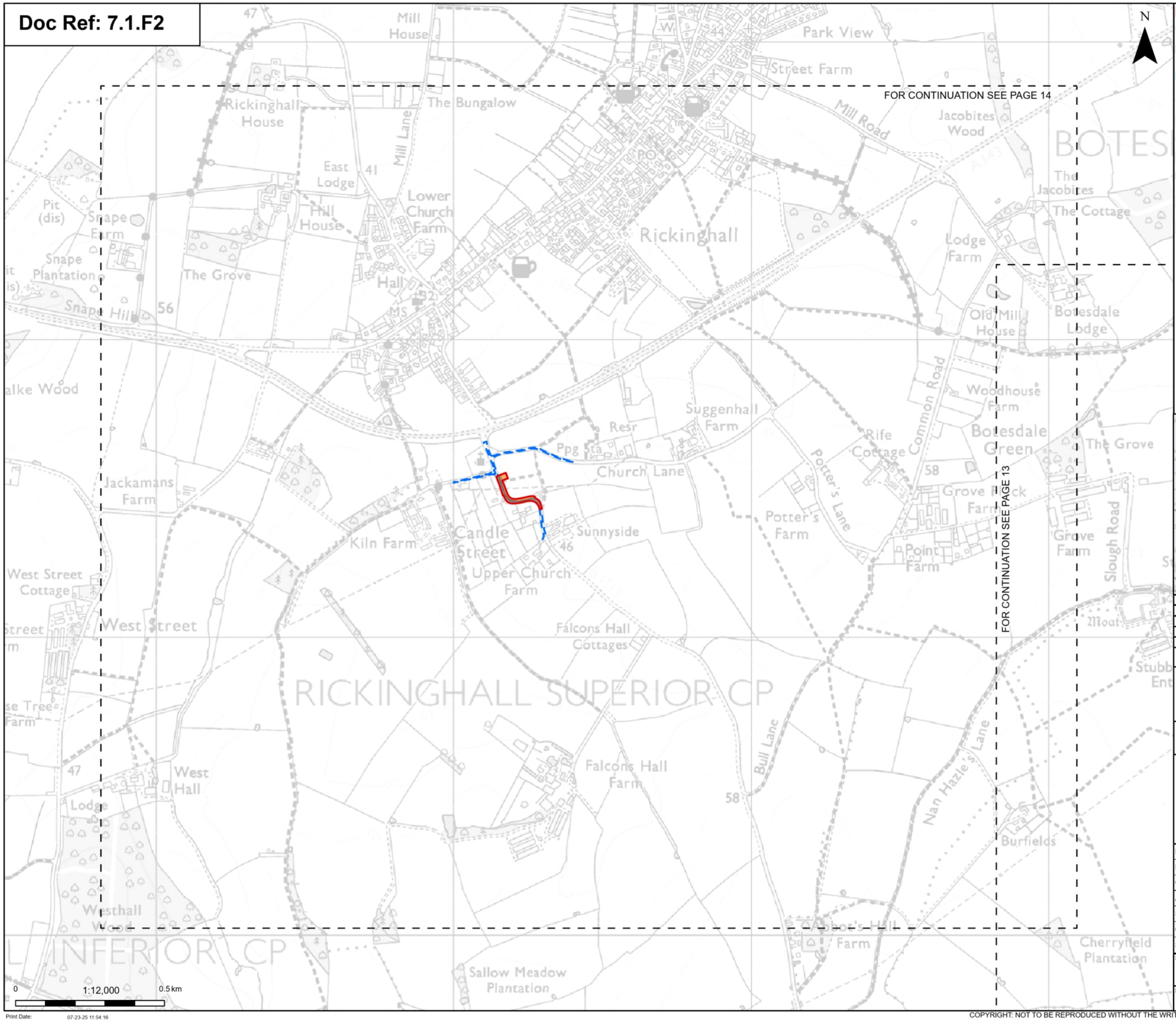
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:13

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:54:16

- Order limits
- Sheet index cutline

Discipline specific constraints

- Maximum construction boundary

Cropland

- Cereal crops

Grassland

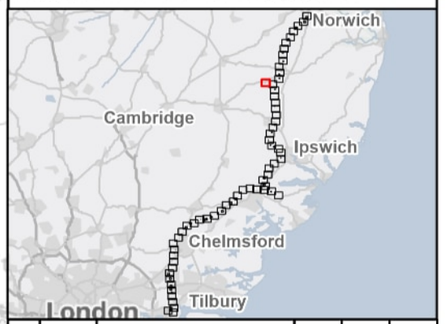
- Modified grassland

Urban

- Developed land; sealed surface
- Vegetated garden

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 14 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

RG115

RG120

FOR CONTINUATION SEE PAGE 13

FOR CONTINUATION SEE PAGE 15

FOR CONTINUATION SEE PAGE 15a

FOR CONTINUATION SEE PAGE 16

0 1:12,000 0.5 km

Print Date: 07-23-25 11:54:19

N

Order limits
Sheet index cutline

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints
Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops
Temporary grass and clover leys

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface
Developed land; sealed surface

Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

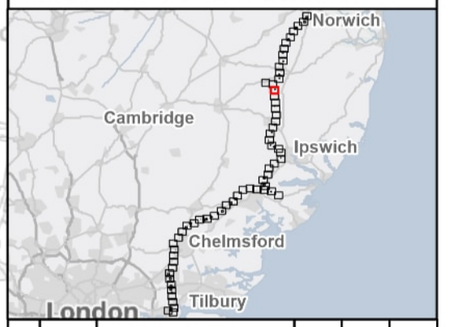
Lakes
Ponds (priority habitat)

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved
Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 15 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

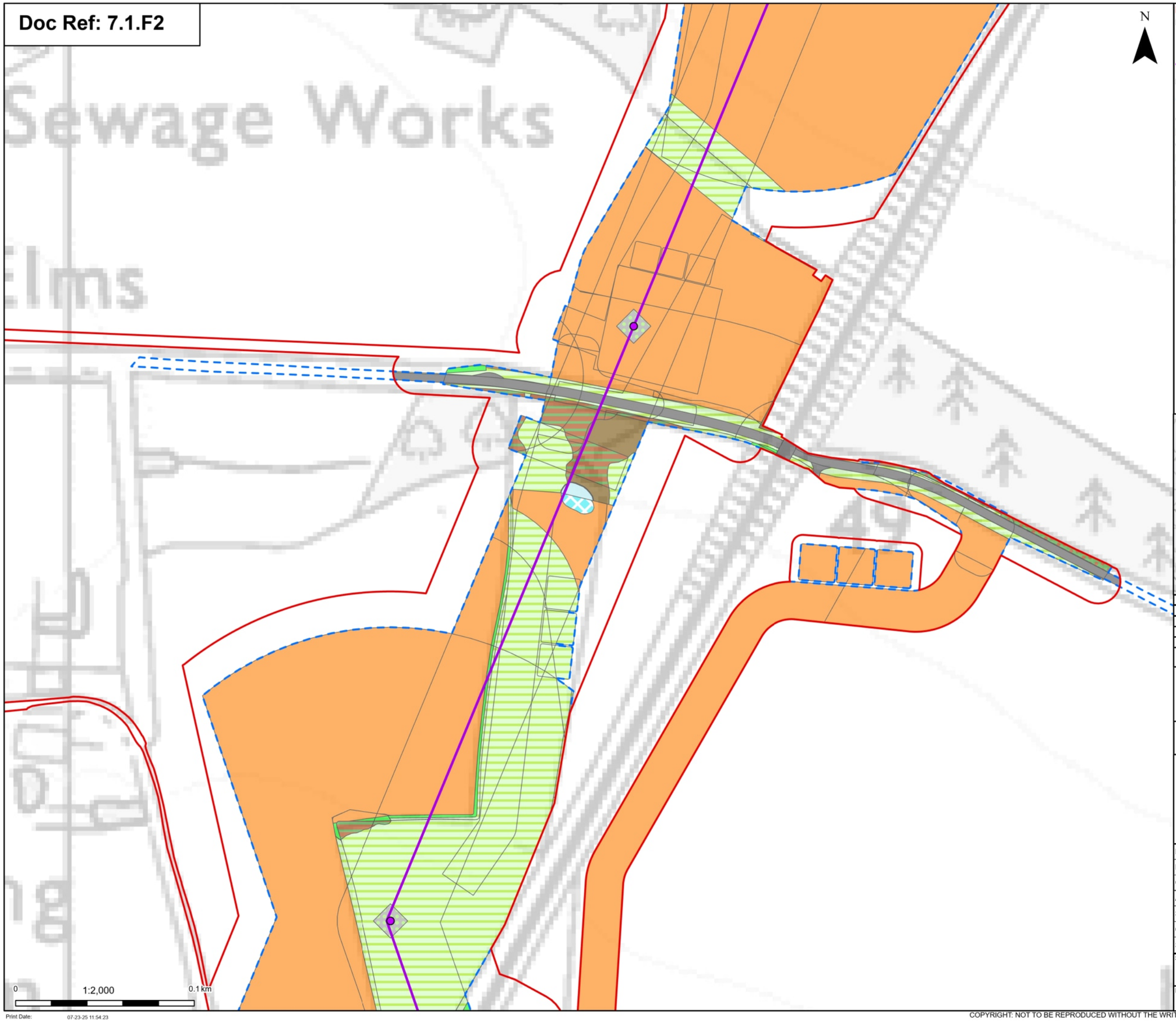
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Mixed scrub

Urban

Artificial unvegetated, unsealed surface

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

Watercourse footprint

Watercourse footprint

Woodland and forest

Lowland mixed deciduous woodland

Other woodland; broadleaved

Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 15a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

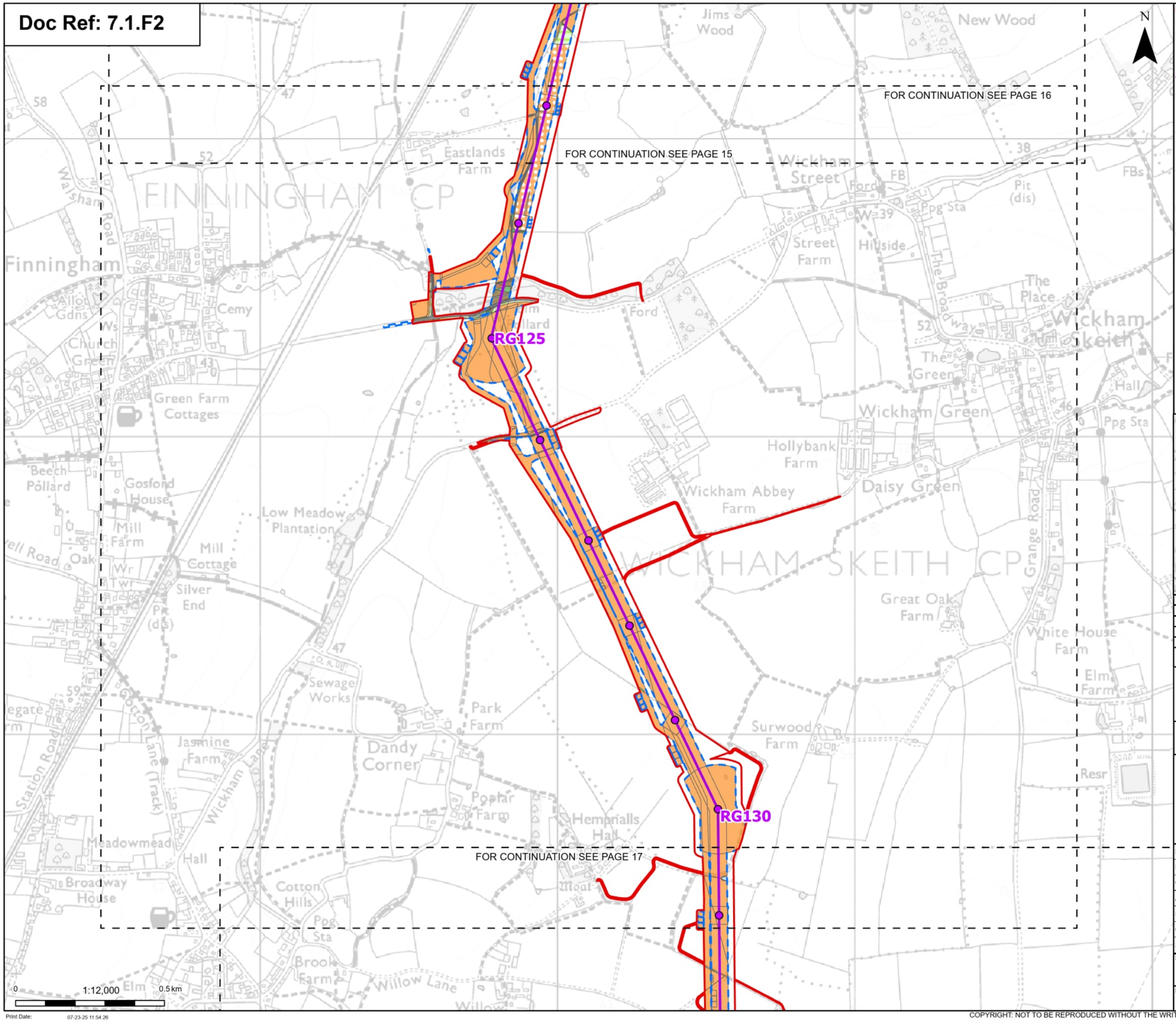
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:23

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 - UK Habitat Classification Map (post-development) Page 16 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:26

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

RG130

RG135

FOR CONTINUATION SEE PAGE 16

FOR CONTINUATION SEE PAGE 17

FOR CONTINUATION SEE PAGE 18

FOR CONTINUATION SEE PAGE 17a

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:54:29

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

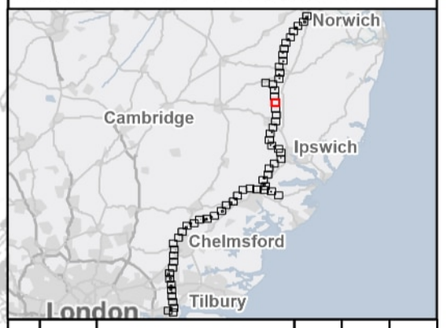
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 17 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

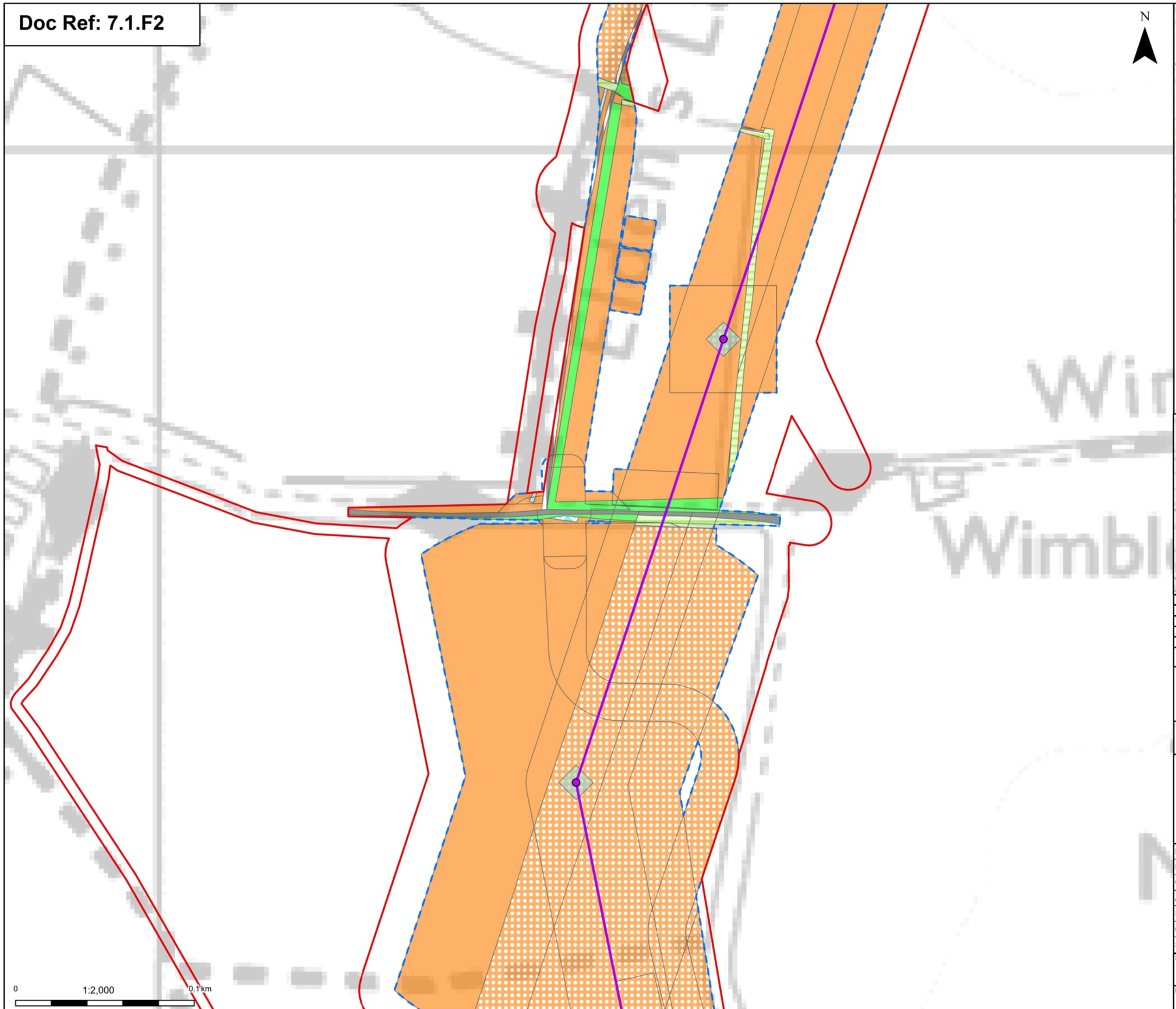
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Built linear features

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

Watercourse footprint

Watercourse footprint

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 17a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

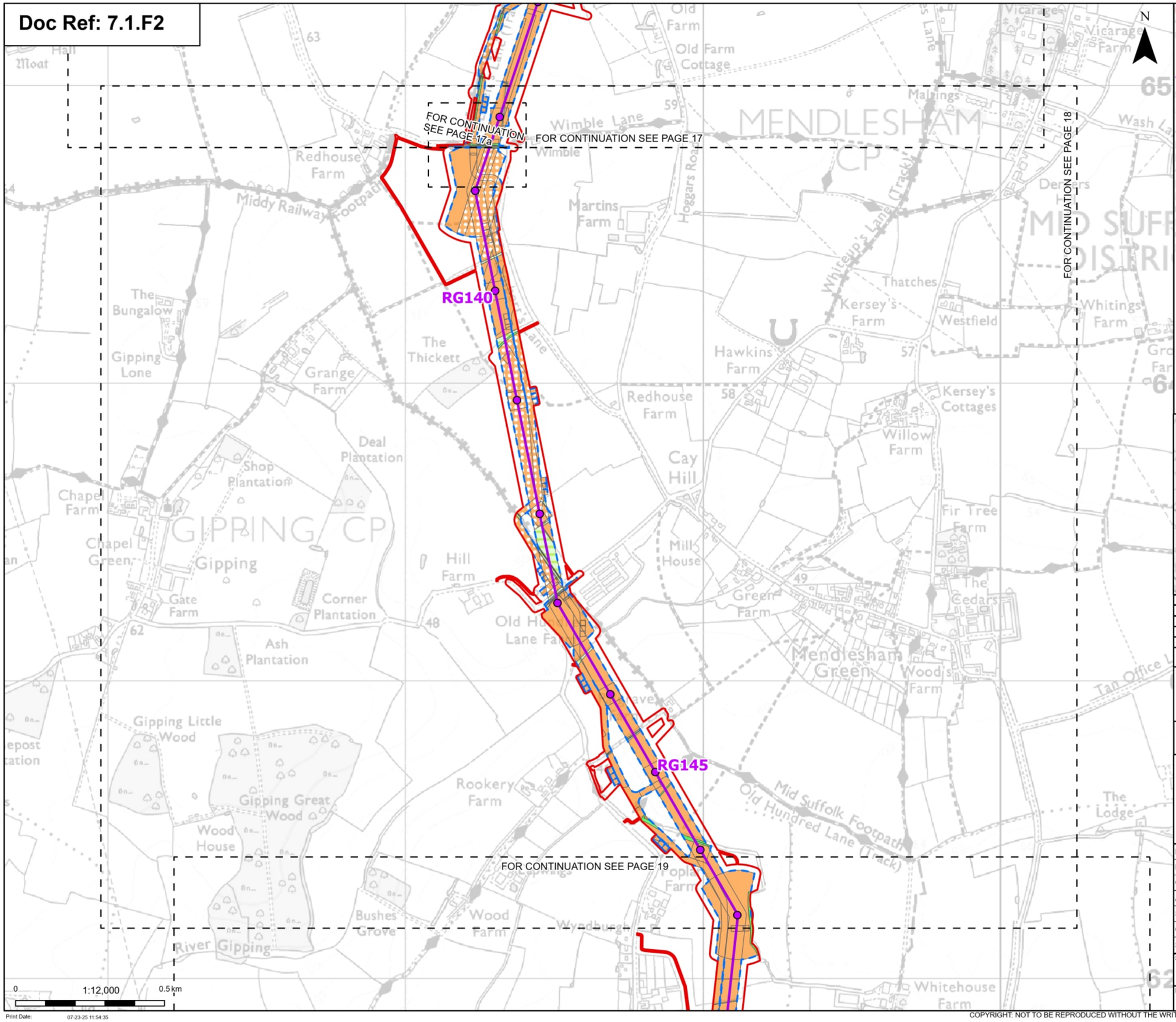
Drawing Number:
10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision:
A

Print Date: 07-23-25 11:54:32

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:54:35

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

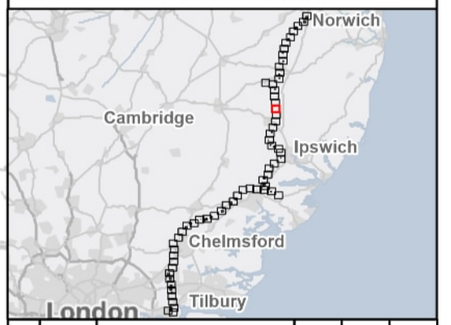
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

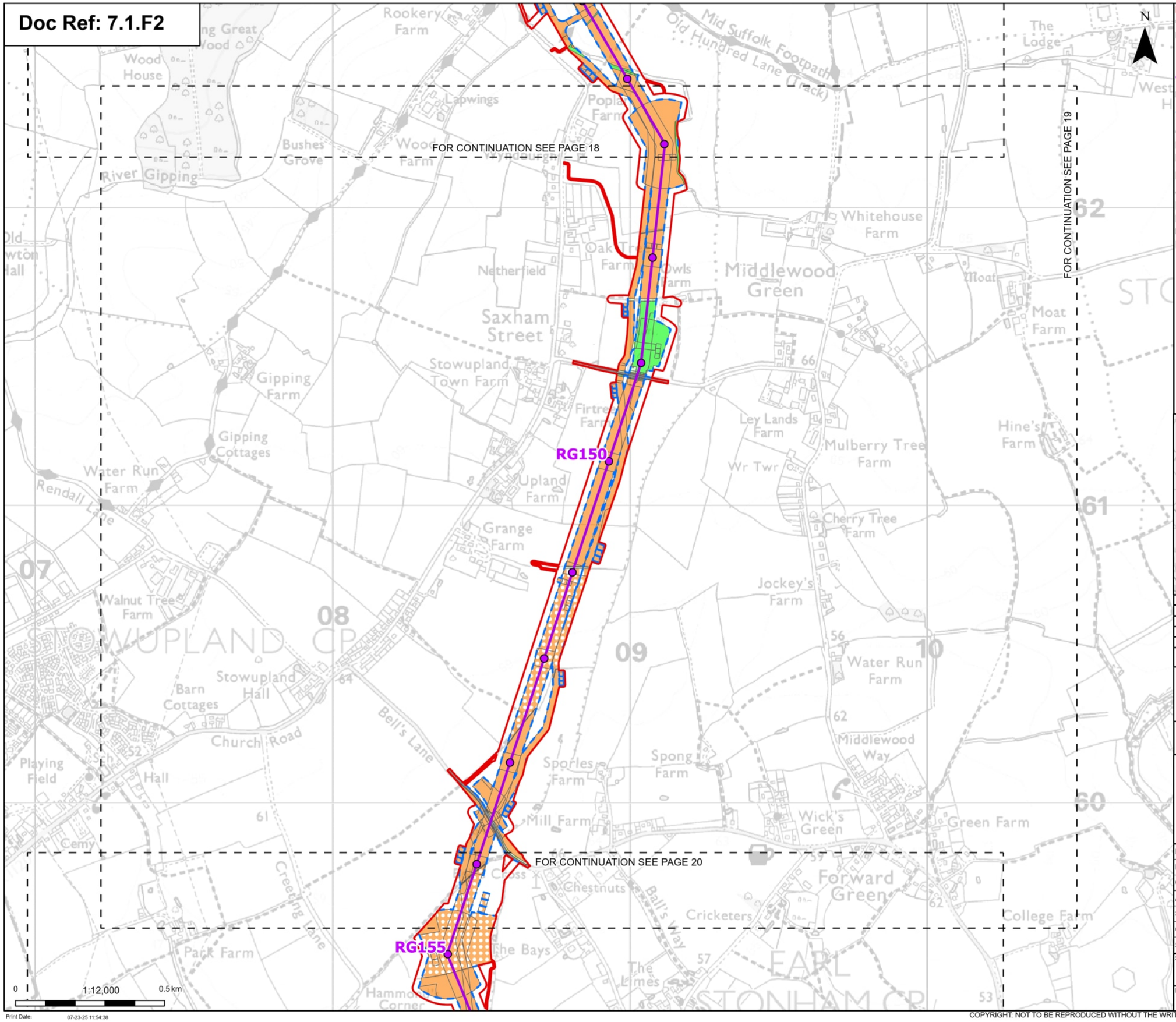
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 19 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

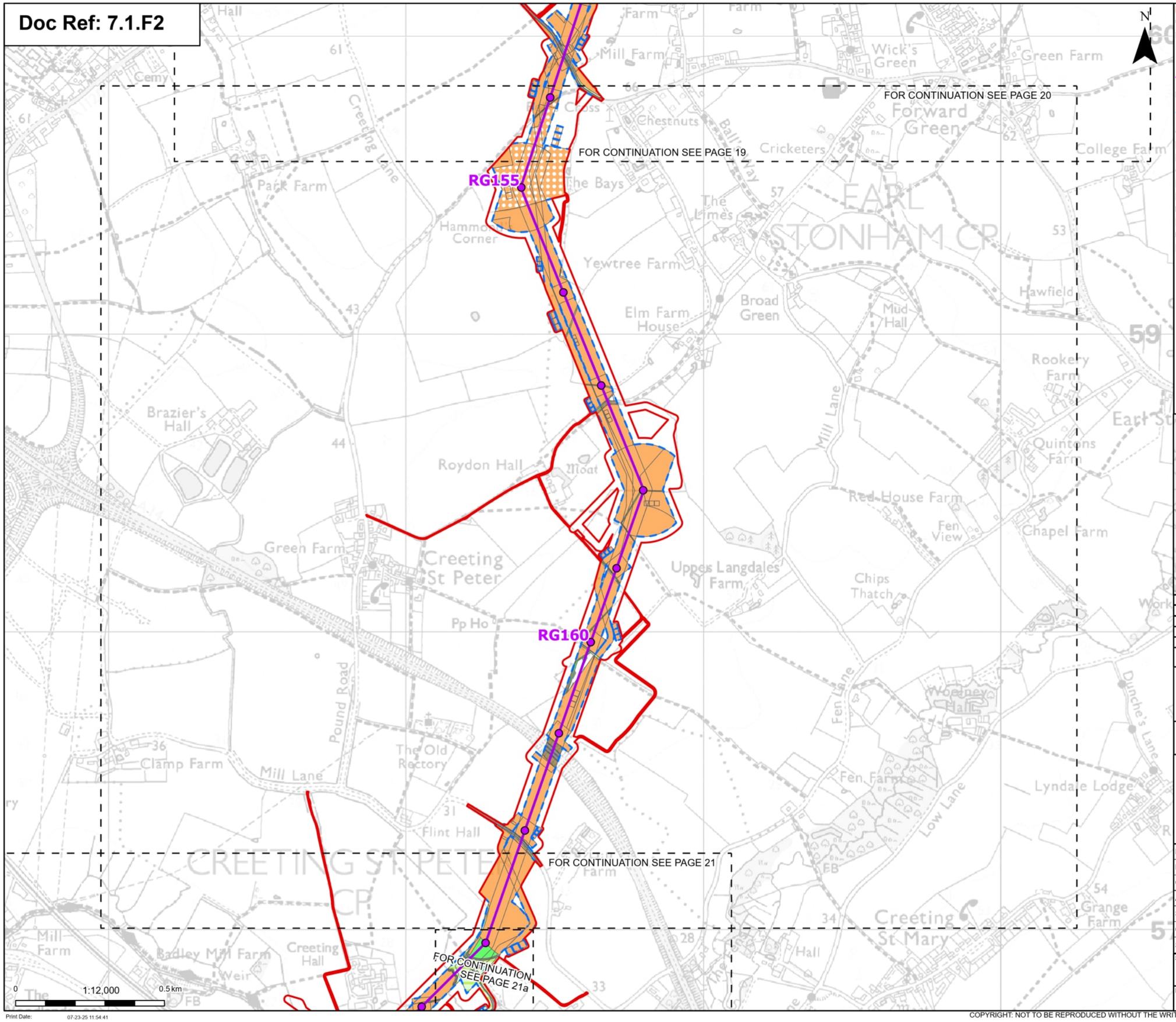
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:38

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 20 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

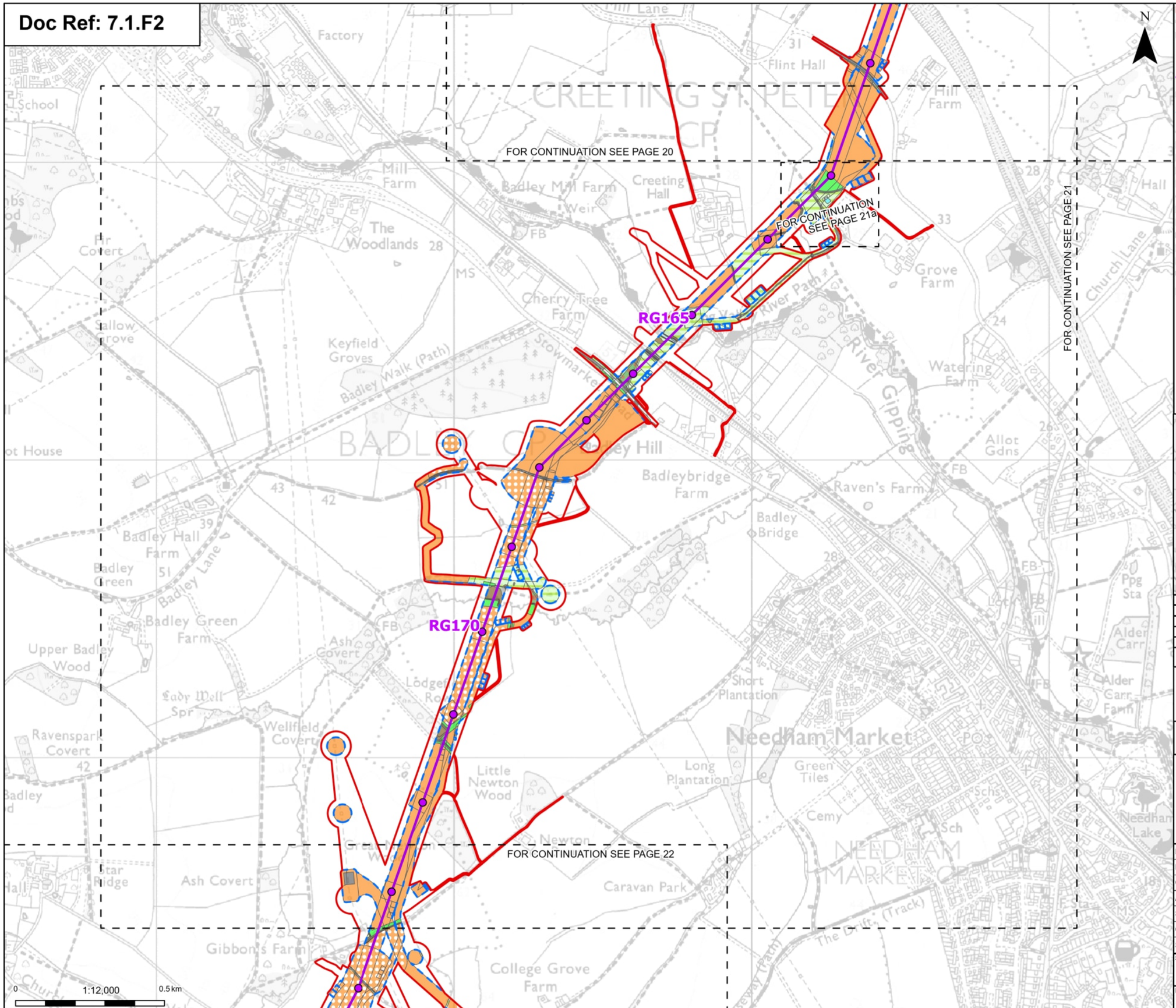
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:54:44

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Horticulture
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

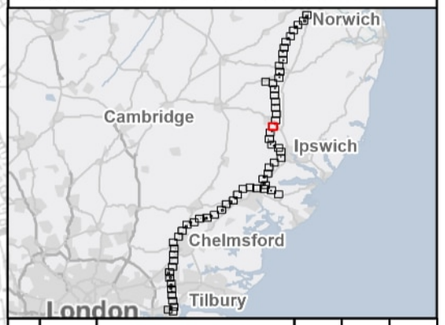
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 21 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Horticulture

Grassland

Modified grassland

Other neutral grassland

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

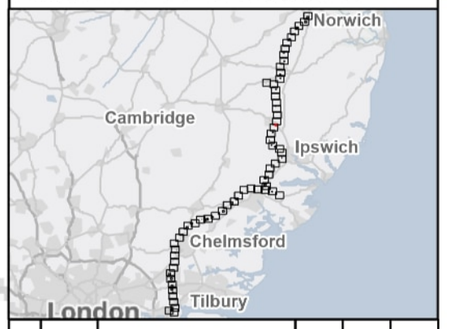
Ponds (priority habitat)

Watercourse footprint

Watercourse footprint

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 21a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

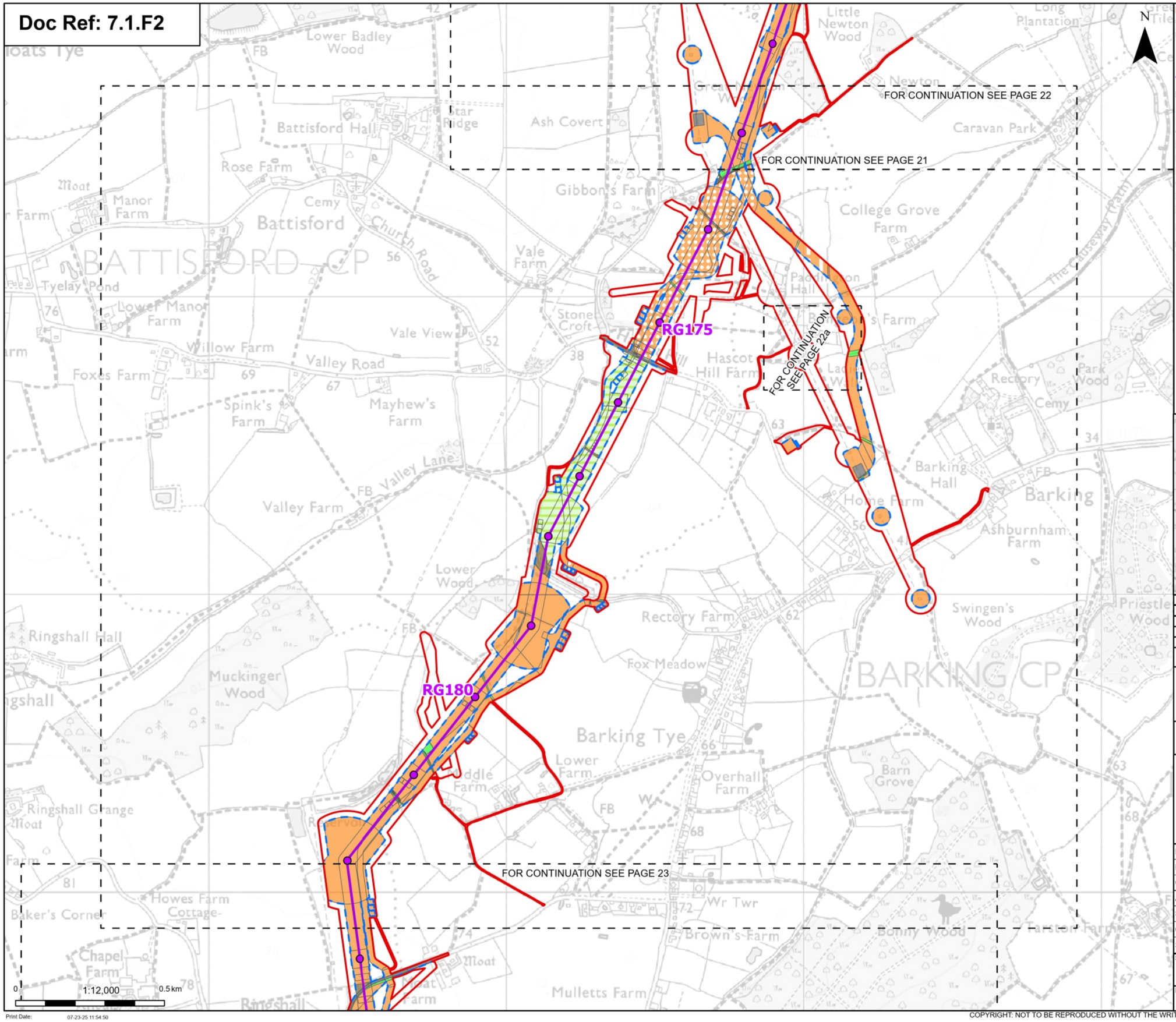
Revision: A

0 1:2,000 0.1 km

Print Date: 07-23-25 11:54:47

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland
- Lowland calcareous grassland

Heathland and shrub
- Mixed scrub

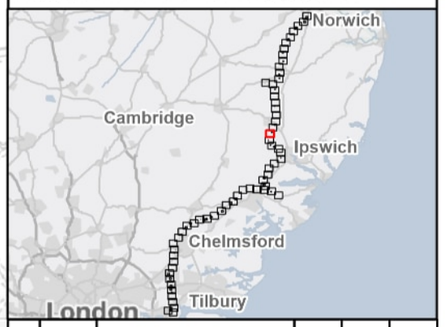
Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 22 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

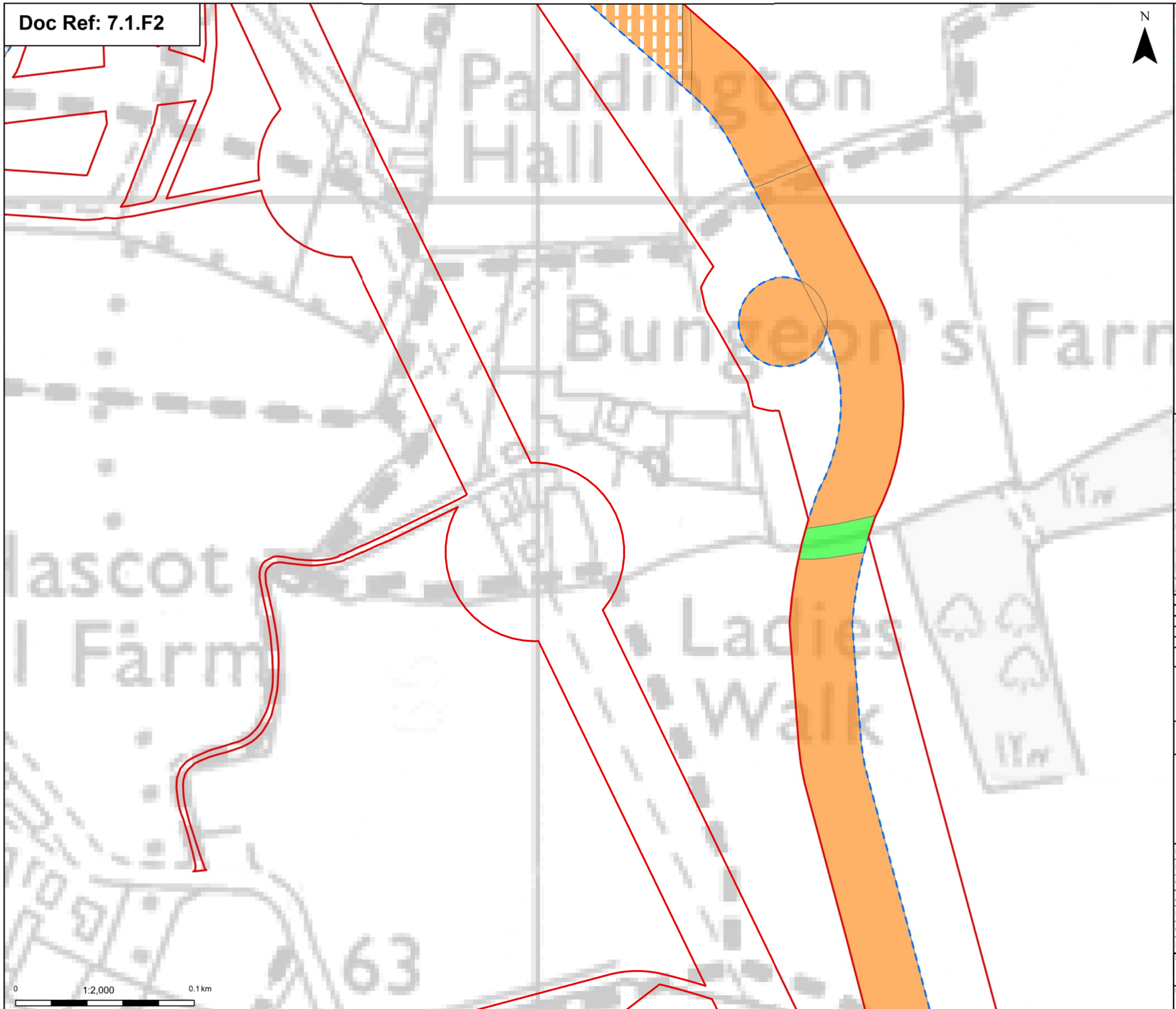
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:50

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Winter stubble

Grassland

Modified grassland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 22a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

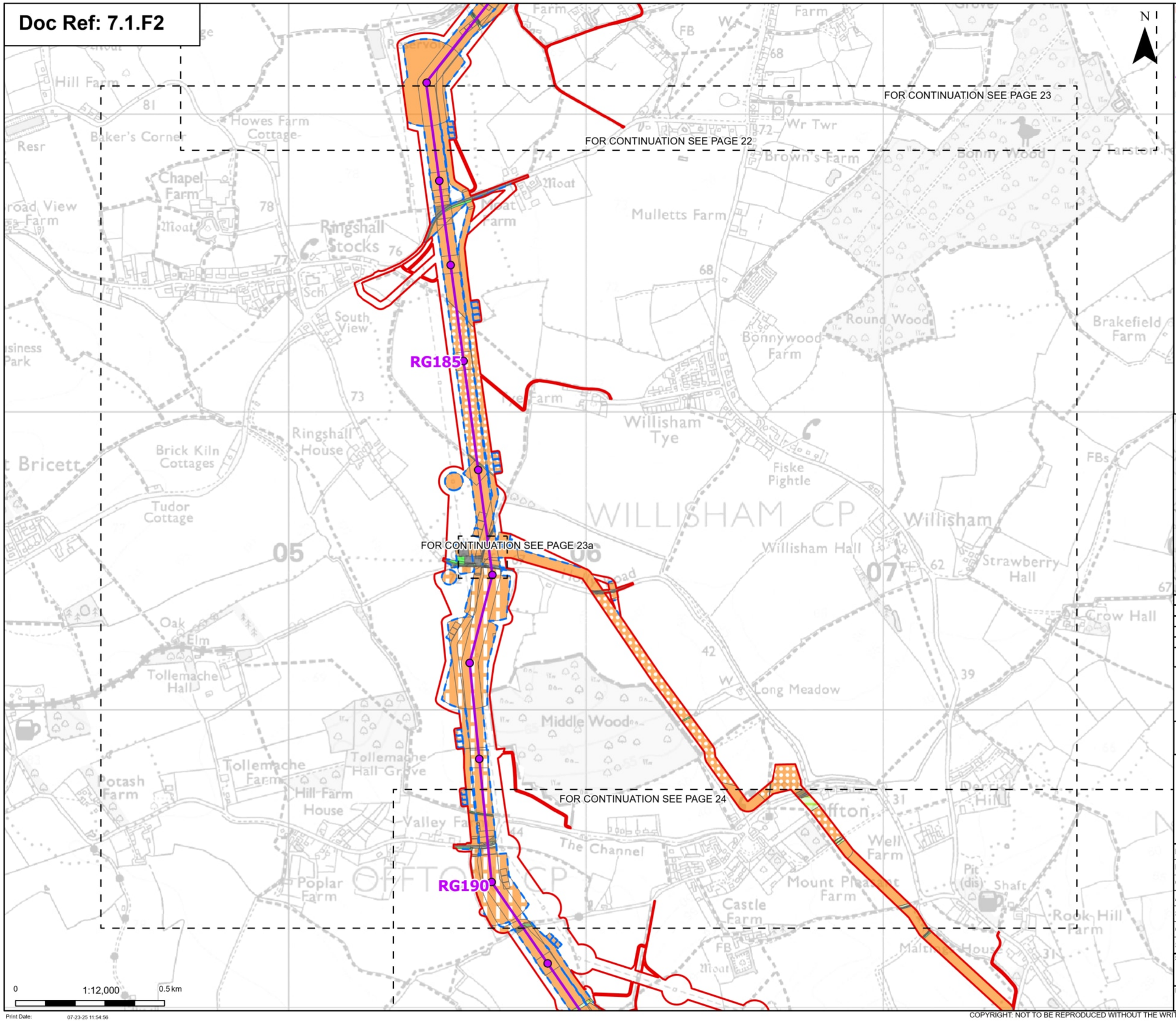
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:53

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

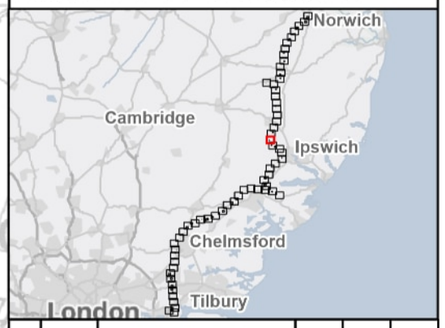
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 23 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:54:56

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Winter stubble

Grassland

Modified grassland

Other neutral grassland

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 23a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

0 1:1,000 0.05 km

Print Date: 07-23-25 11:54:59

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

RG190

RG195

RG200

FOR CONTINUATION SEE PAGE 23

FOR CONTINUATION SEE PAGE 24

FOR CONTINUATION SEE PAGE 24a

FOR CONTINUATION SEE PAGE 24b

FOR CONTINUATION SEE PAGE 25

Section B

Section C

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:55:03

Order limits
Sheet index cutline
Project section line

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints
Maximum construction boundary

Cropland
Arable field margins cultivated annually
Cereal crops
Non-cereal crops
Winter stubble

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface

Bare ground
Built linear features
Developed land; sealed surface

Sparsely vegetated land
Tall forbs

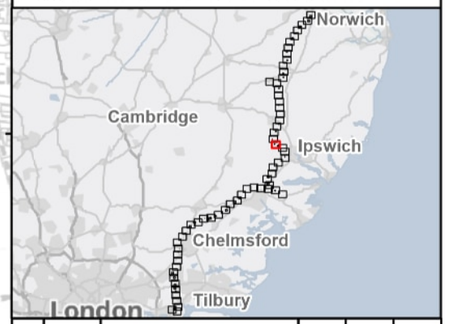
Lakes
Ponds (priority habitat)

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 24 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

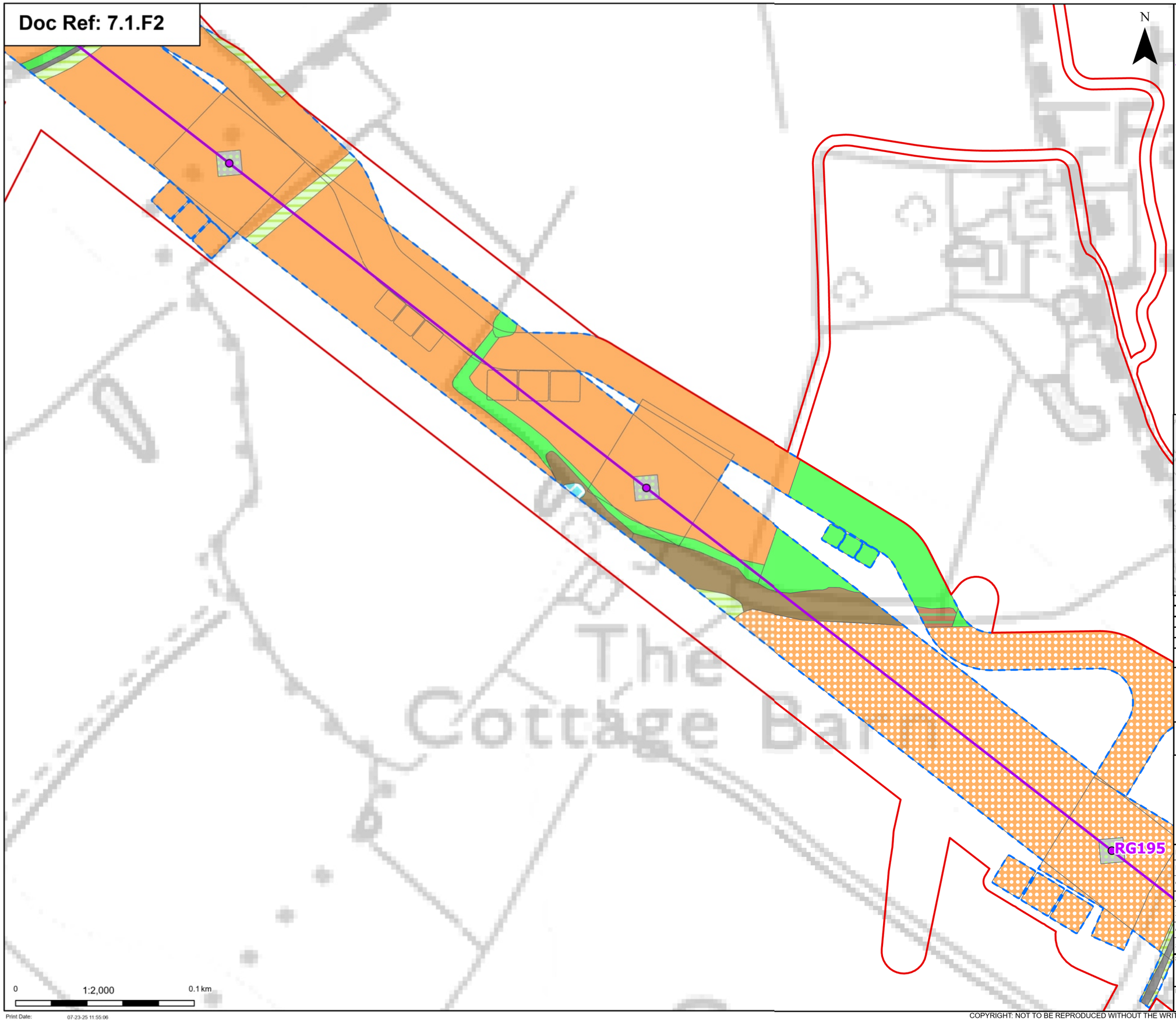
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Non-cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Bare ground

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 24a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

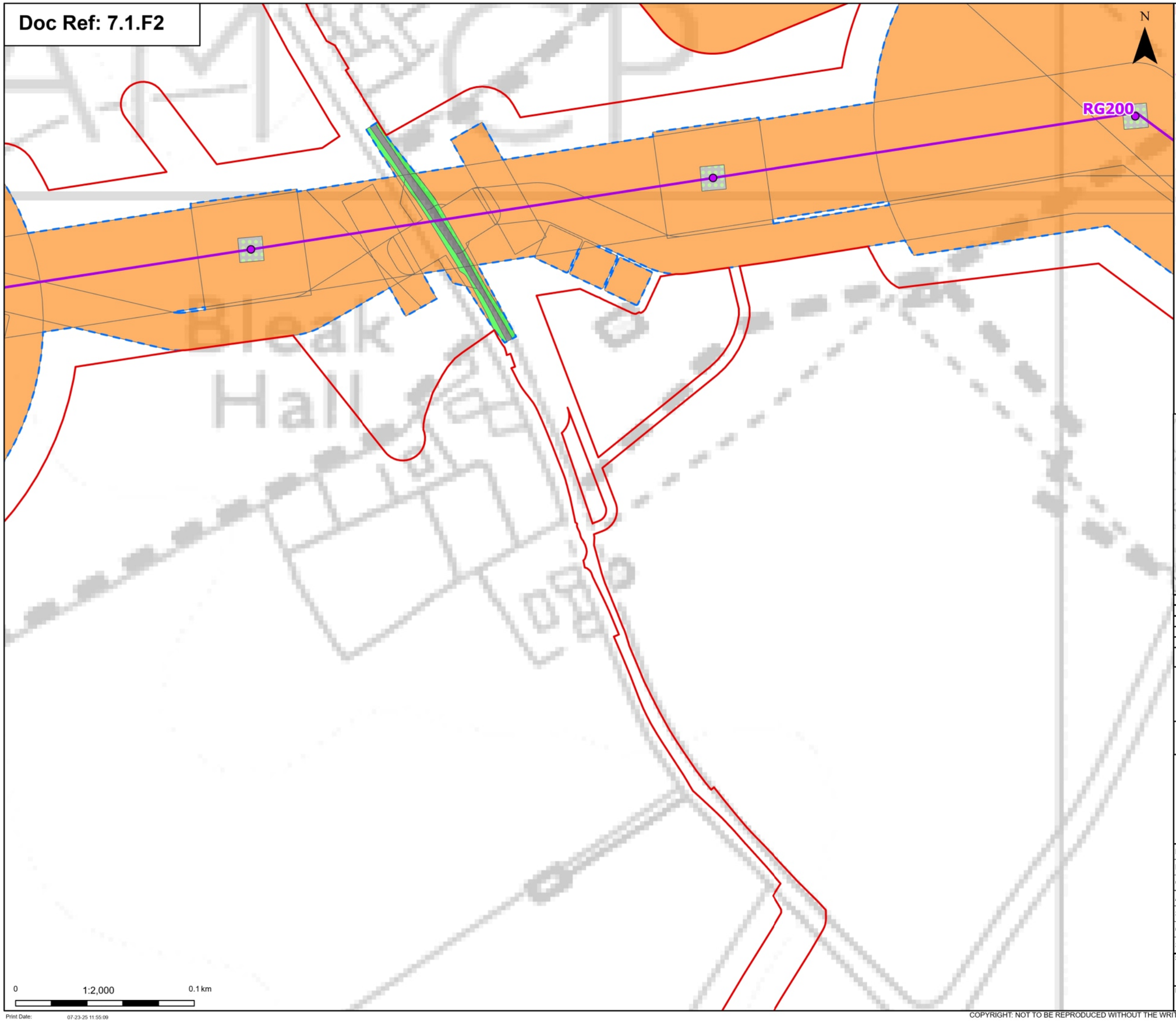
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:06

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 24b of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

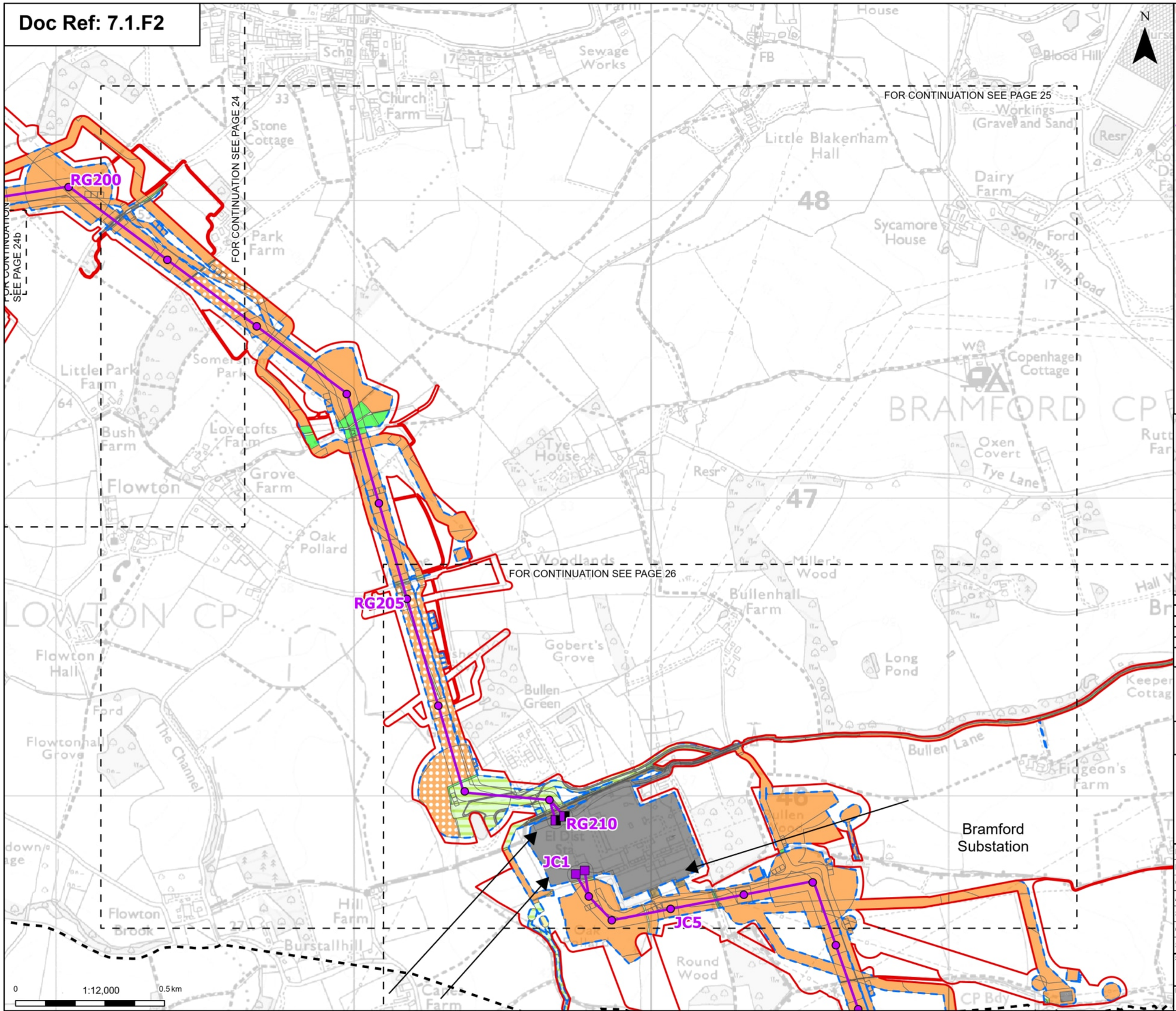
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:09

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- 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

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Sustainable drainage system

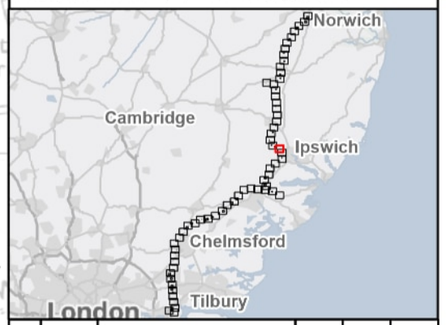
Sparsely vegetated land
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 25 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

RG205
RG210
JC1
JC5
JC10
Bramford Substation
Proposed substation extension
FOR CONTINUATION SEE PAGE 26
FOR CONTINUATION SEE PAGE 25
FOR CONTINUATION SEE PAGE 27
Section B
Section C
N
0 1:12,000 0.5 km

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

Discipline specific constraints
Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface

Bare ground
Built linear features
Developed land; sealed surface
Sustainable drainage system
Vegetated garden

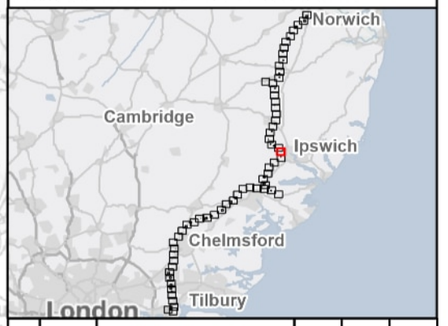
Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other coniferous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 26 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

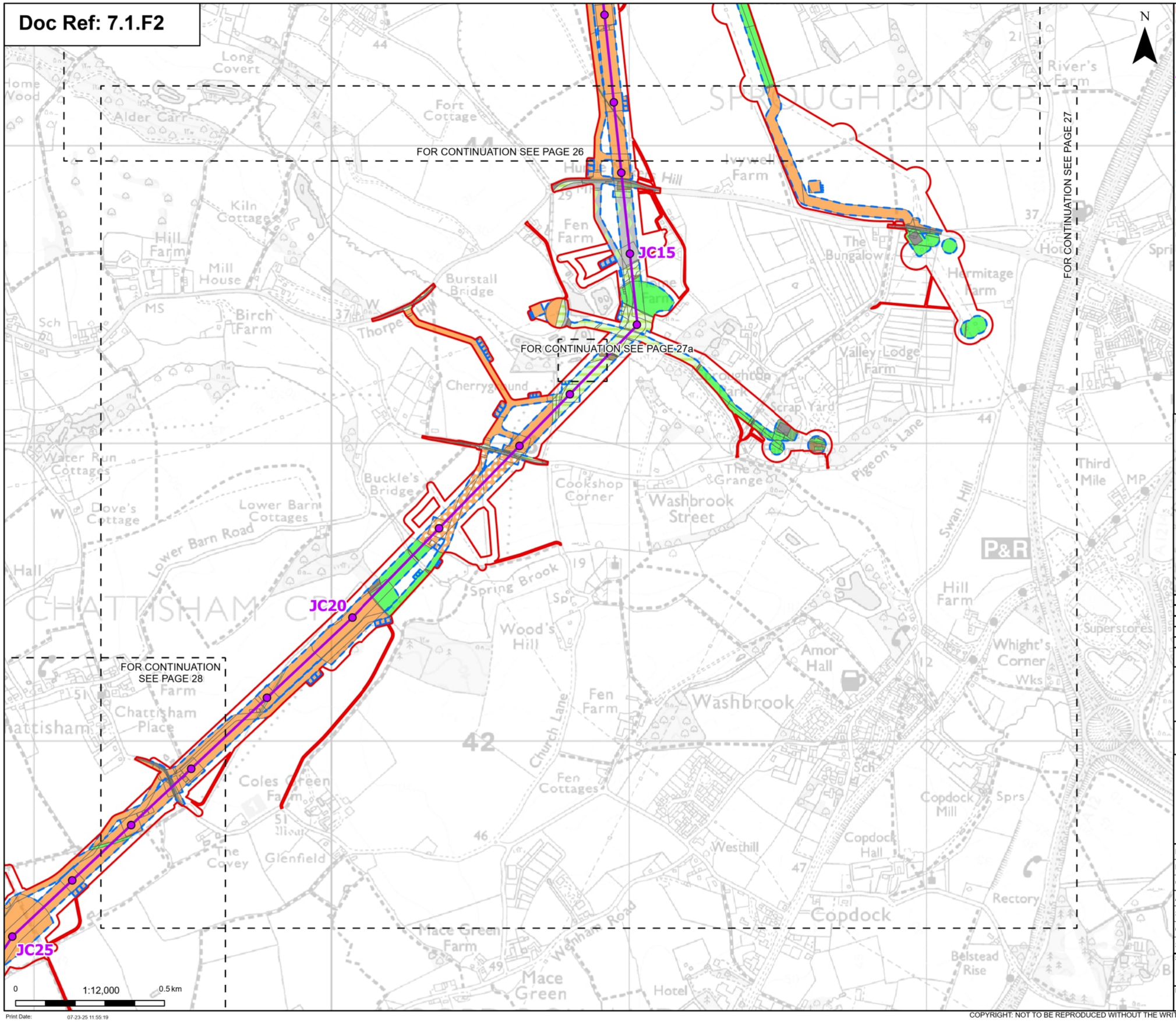
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:55:16

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Built linear features
Developed land; sealed surface
Vegetated garden

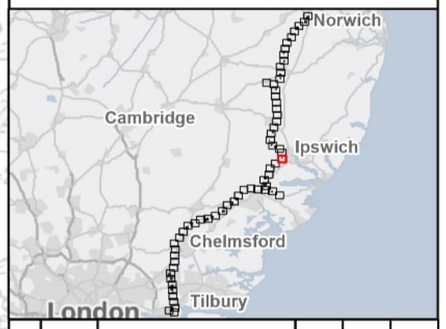
Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 27 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

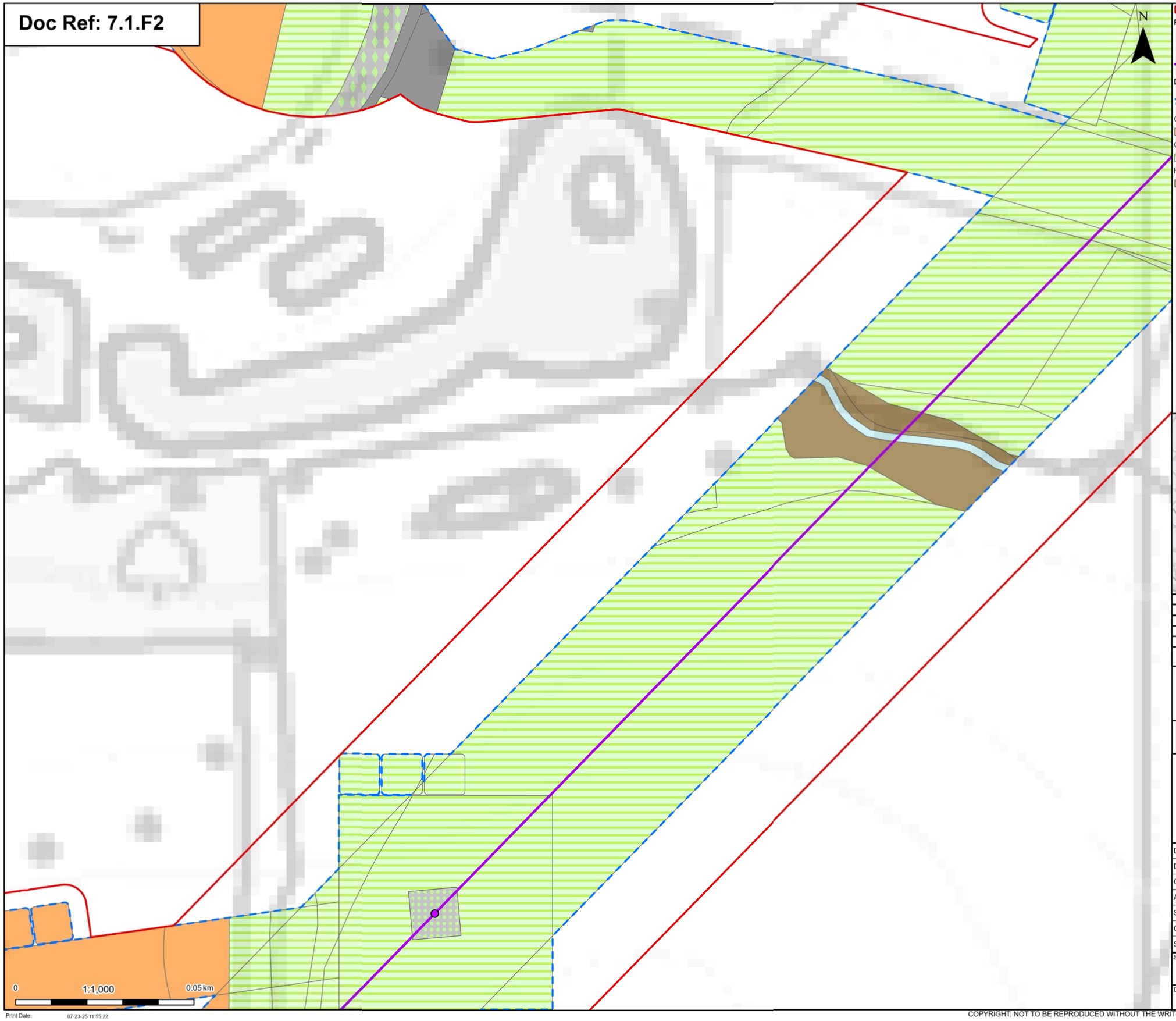
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:55:19

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Developed land; sealed surface

Sparsely vegetated land

Ruderal/Ephemeral

Tall forbs

Watercourse footprint

Watercourse footprint

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 - UK Habitat Classification Map (post-development) Page 27a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

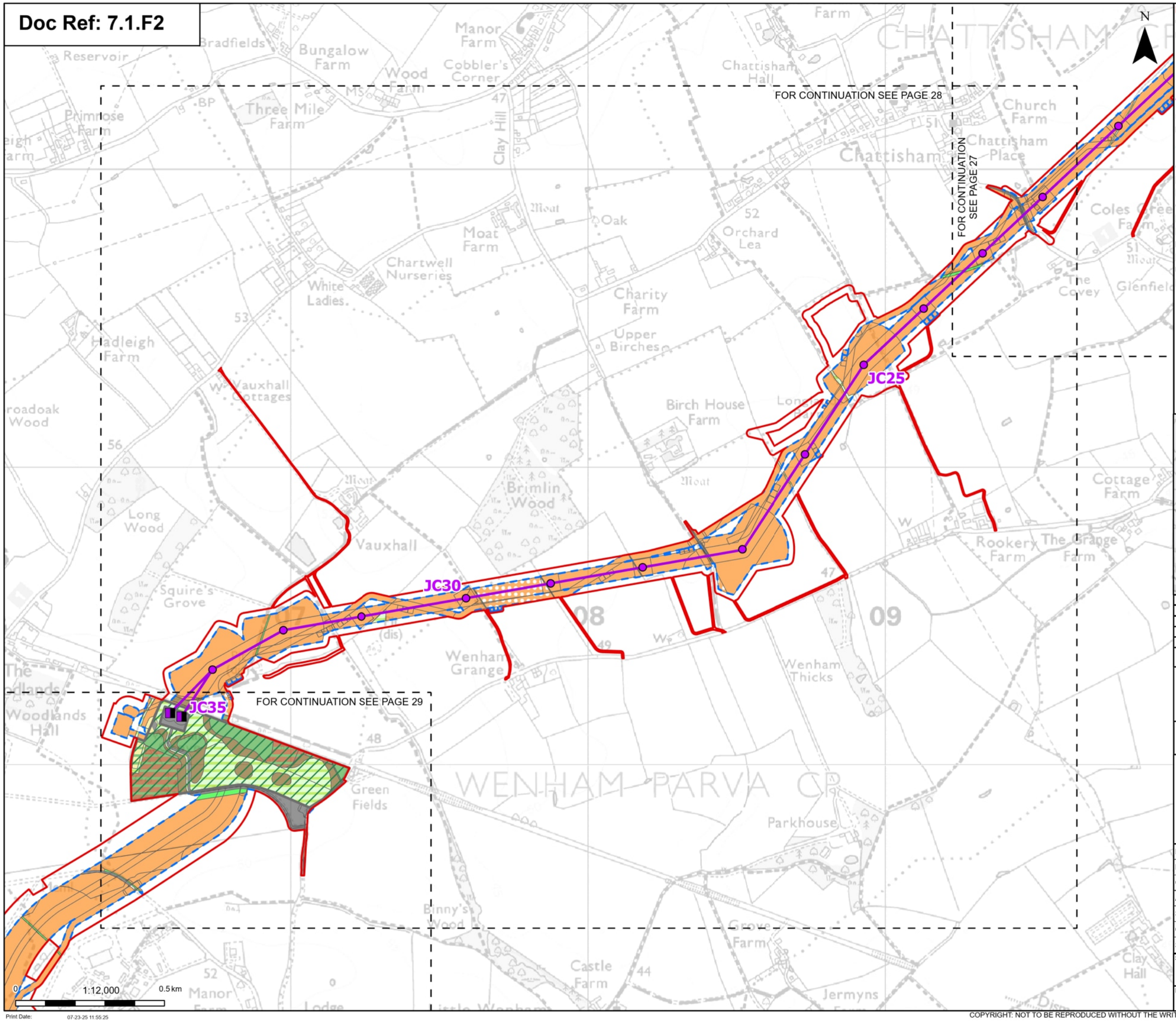
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:22

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Built linear features

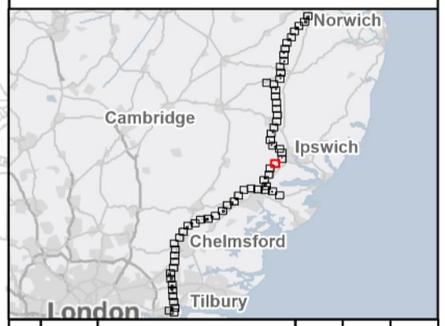
Developed land; sealed surface
Sustainable drainage system

Sparsely vegetated land
Tall forbs

Woodland and forest
Lowland mixed deciduous woodland
Other coniferous woodland
Other woodland; broadleaved
Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 28 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

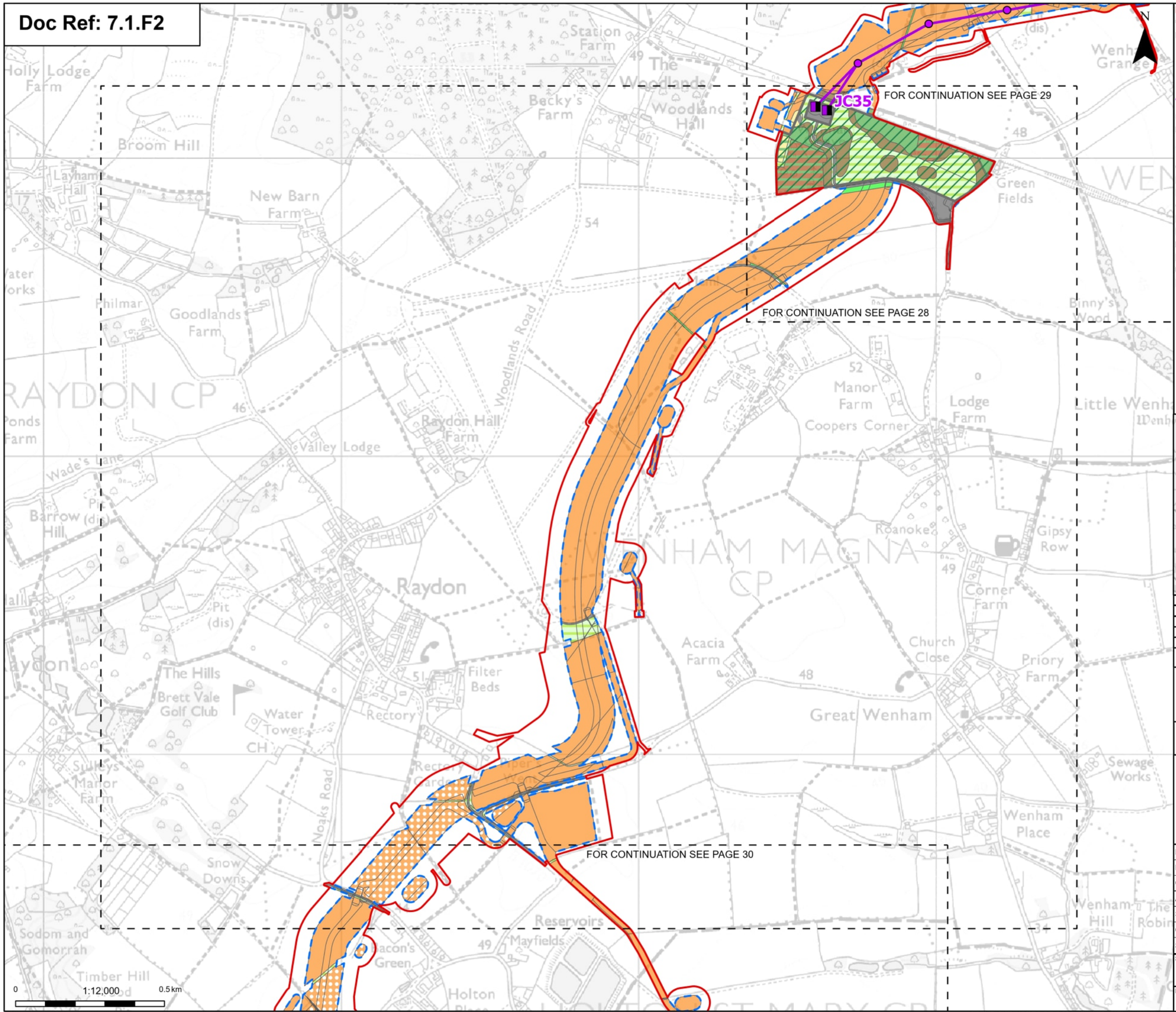
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:25

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Built linear features

Developed land; sealed surface
Sustainable drainage system

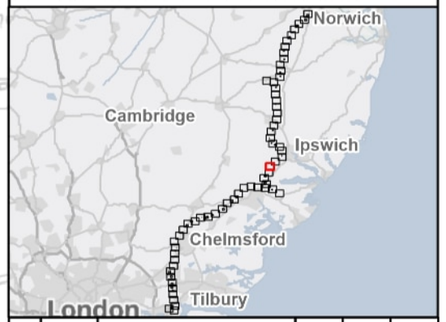
Sparsely vegetated land
Tall forbs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other coniferous woodland
Other woodland; broadleaved
Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 29 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

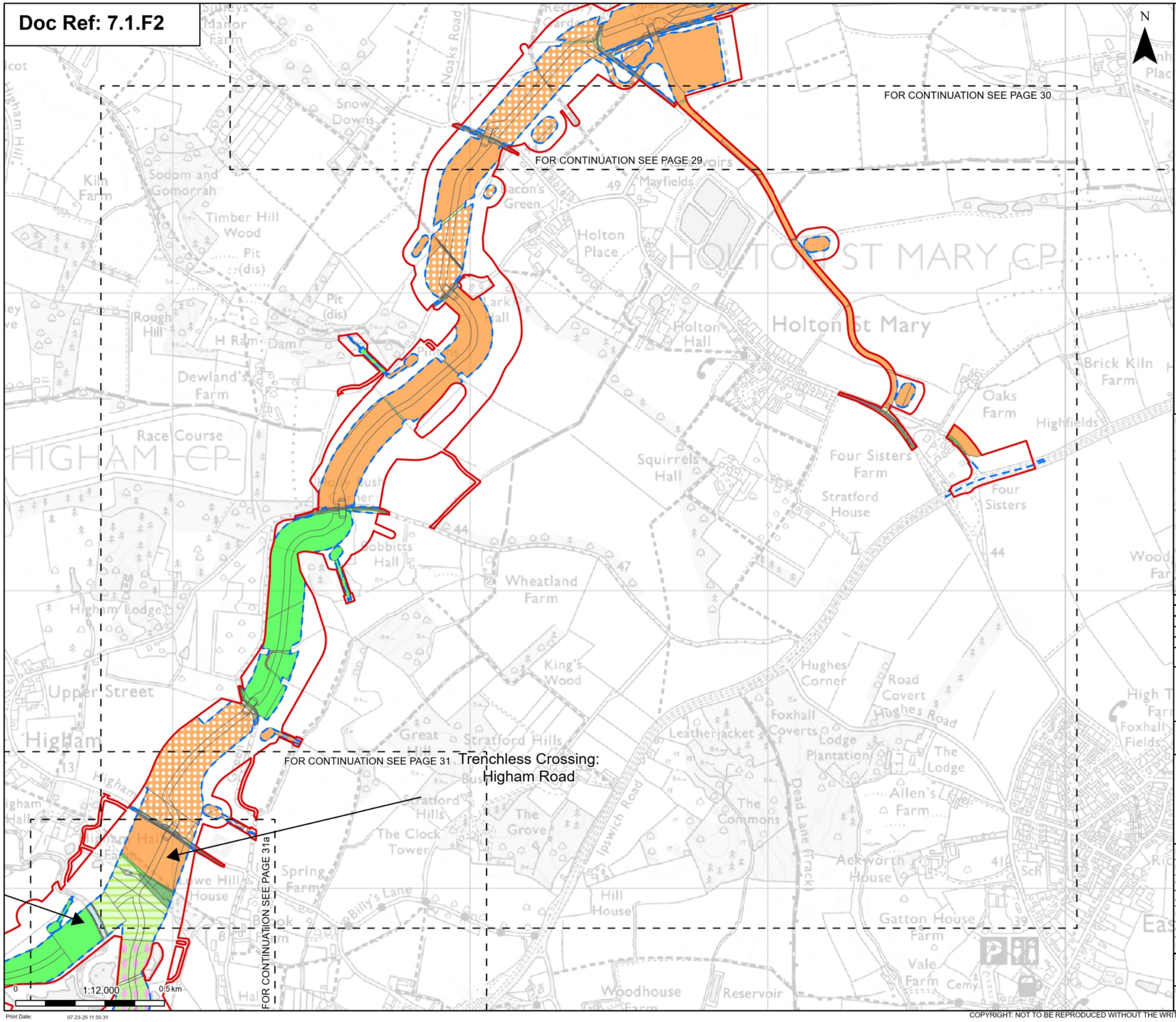
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:55:28

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:55:31

Order limits
Sheet index cutline

Discipline specific constraints
Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Lakes
- Ponds (priority habitat)
- Reservoirs

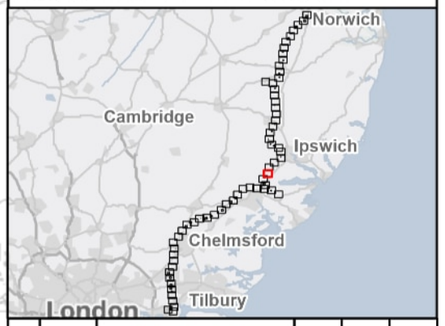
Watercourse footprint
- Watercourse footprint

Wetland
- Reedbeds

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 30 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

Trenchless Crossing:
River Stour (north part)

Trenchless Crossing:
River Stour (south part)

Trenchless Crossing:
Higham Road

FOR CONTINUATION SEE PAGE 31

FOR CONTINUATION SEE PAGE 31a

FOR CONTINUATION SEE PAGE 30

FOR CONTINUATION SEE PAGE 32

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:55:35

- Order limits
- Sheet index cutline

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland
- Other lowland acid grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)
- Reservoirs

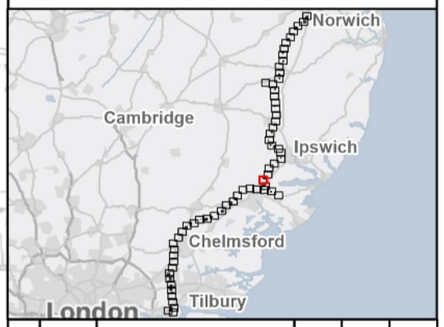
Watercourse footprint
- Watercourse footprint

Wetland
- Reedbeds

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 31 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

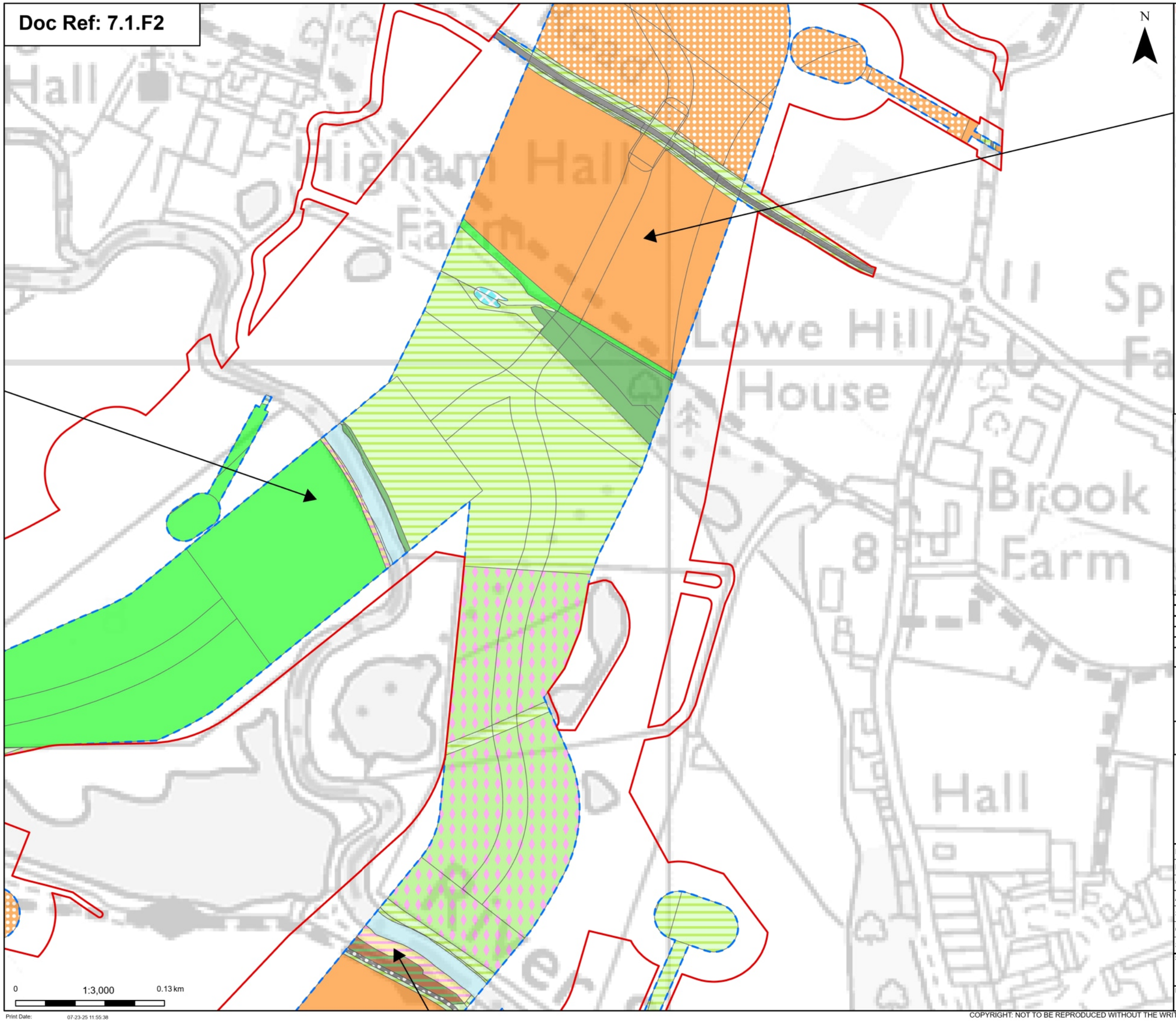
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Floodplain wetland mosaic and coastal floodplain grazing marsh
- Modified grassland
- Other neutral grassland

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Wetland
- Reedbeds

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 31a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

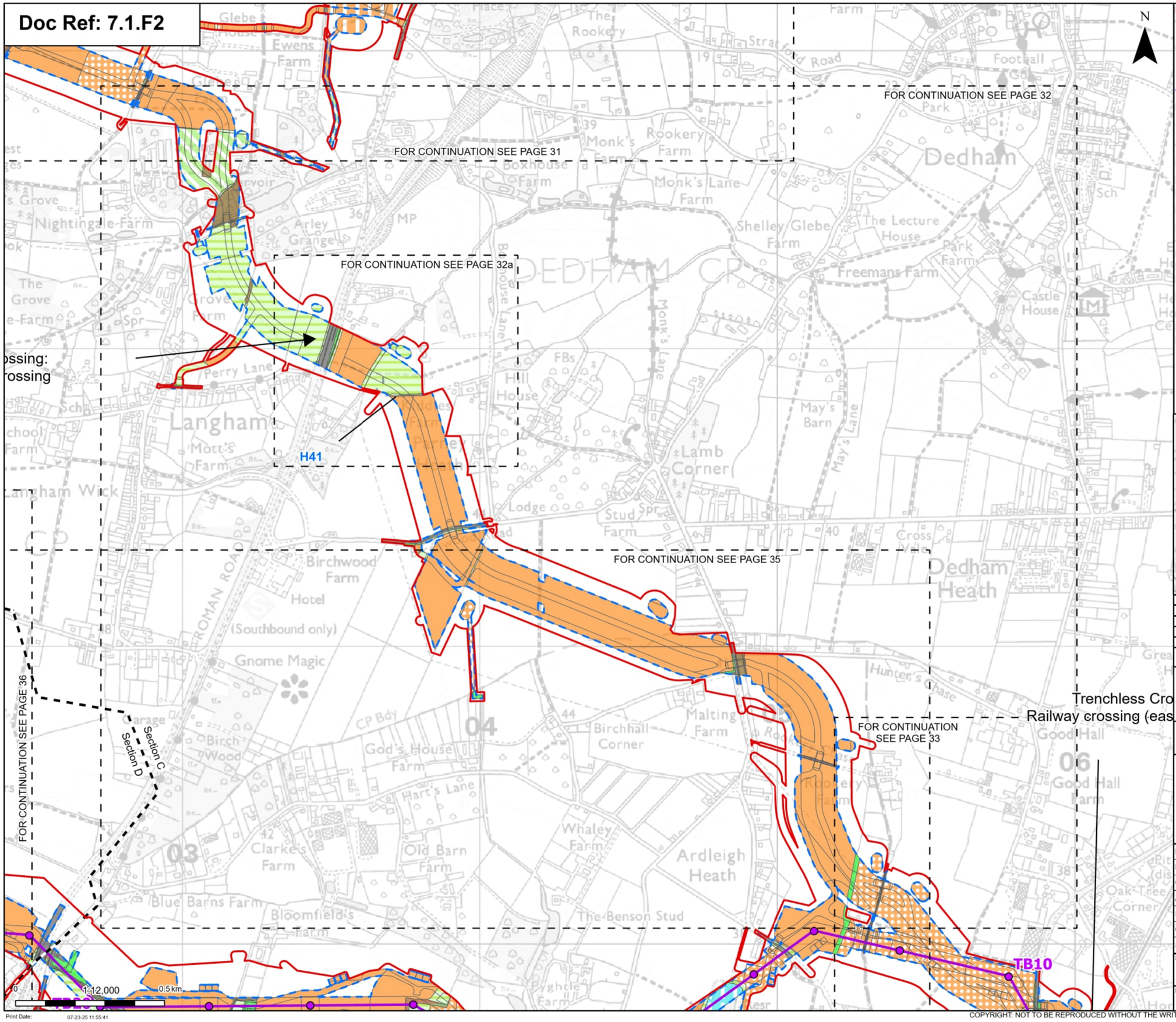
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:38

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
- Sheet index cutline
- Project section line

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble

Grassland
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland
- Other lowland acid grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Vegetated garden

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)
- Reservoirs

Wetland
- Reedbeds

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 32 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

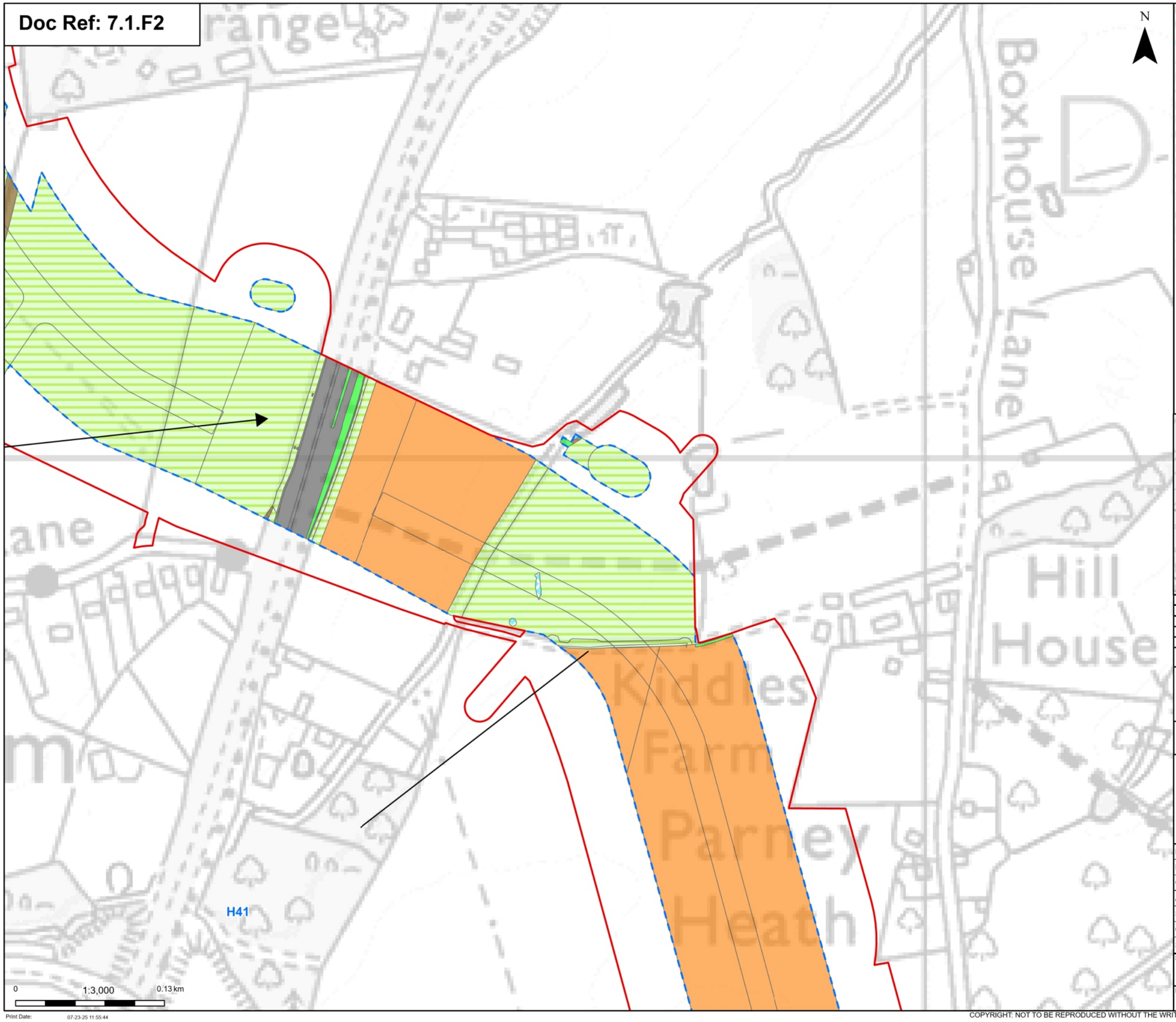
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Mixed scrub

Urban

Developed land; sealed surface

Lakes

Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 32a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:44

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

Trenchless Crossing:
Railway crossing (east-of-Ardleigh)

FOR CONTINUATION SEE PAGE 32

FOR CONTINUATION SEE PAGE 33

FOR CONTINUATION SEE PAGE 35

FOR CONTINUATION SEE PAGE 33a

FOR CONTINUATION SEE PAGE 34

TB10

TB1

TB5

Proposed EACN Substation

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:55:47

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Horticulture
- Intensive orchards
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Sustainable drainage system
- Vegetated garden

Sparsely vegetated land
- Tall forbs

Lakes
- Ornamental lake or pond
- Ponds (priority habitat)
- Reservoirs

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 33 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

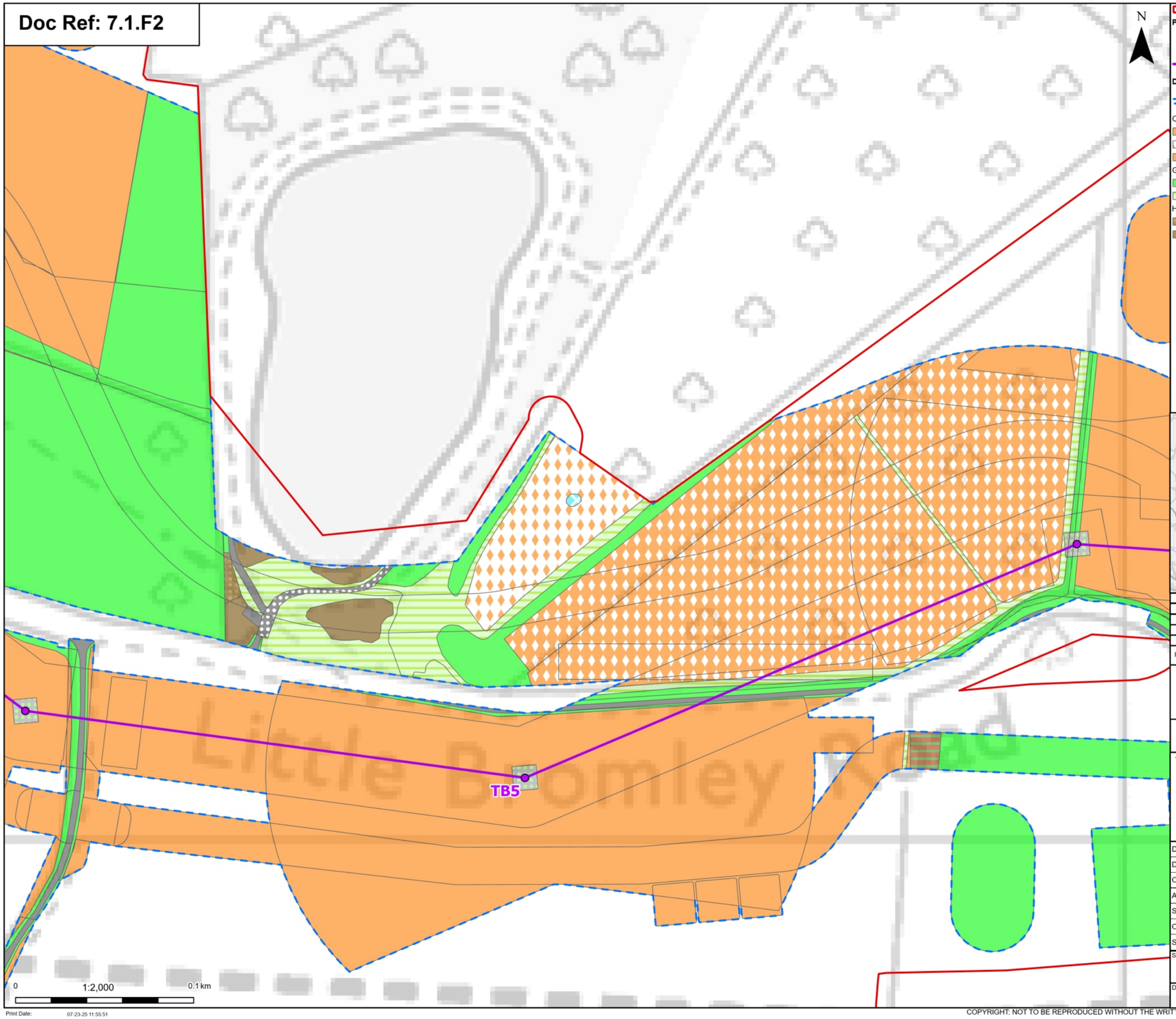
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Horticulture
- Intensive orchards

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

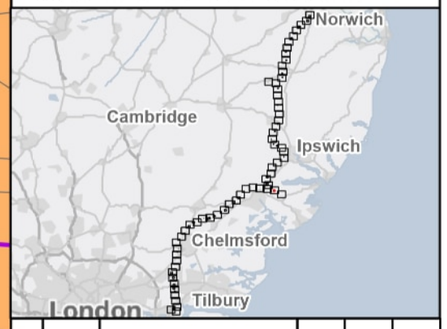
Sparsely vegetated land
- Tall forbs

Lakes
- Ornamental lake or pond
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 33a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

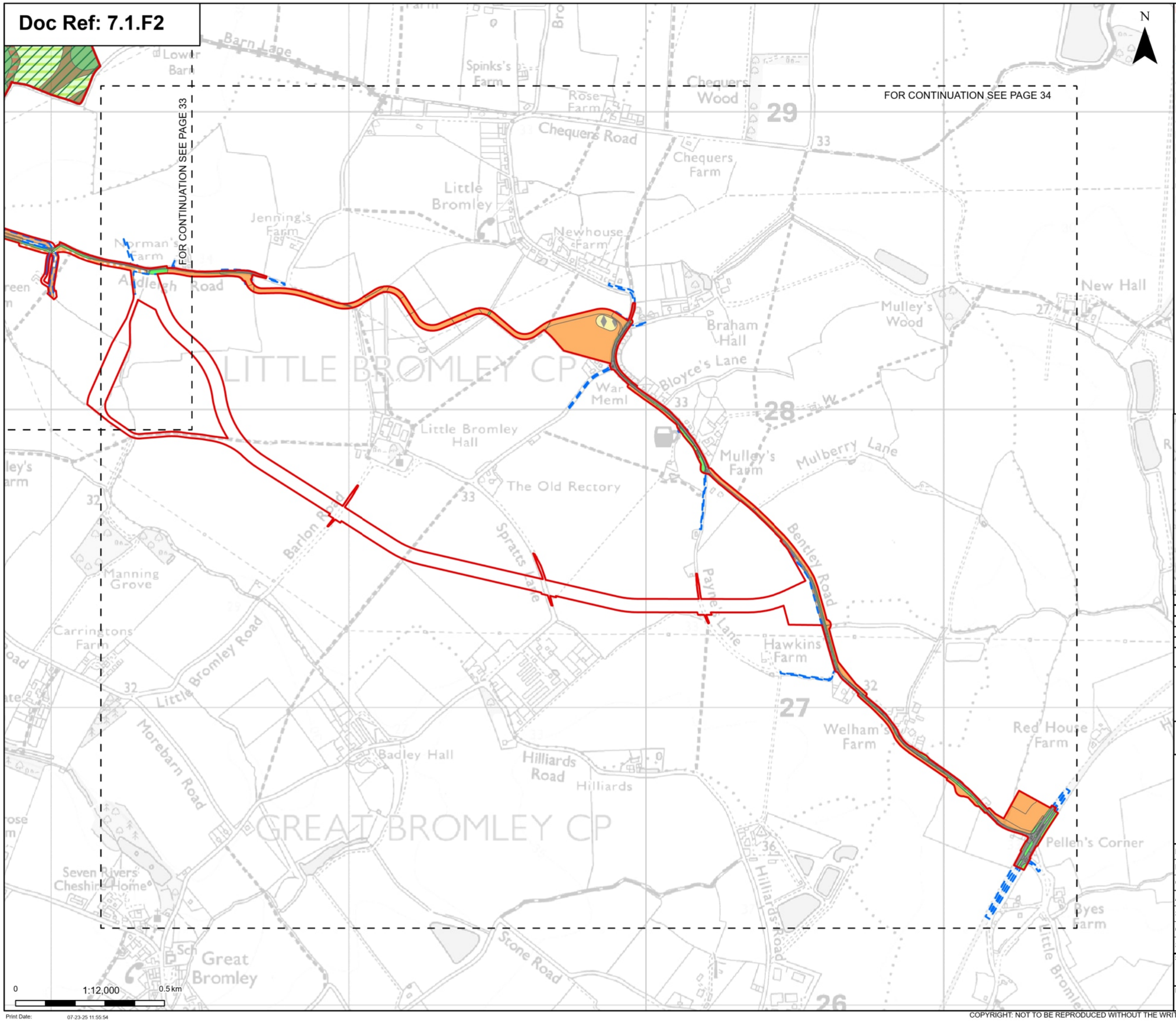
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:51

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:55:54

- Order limits
- Sheet index cutline
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

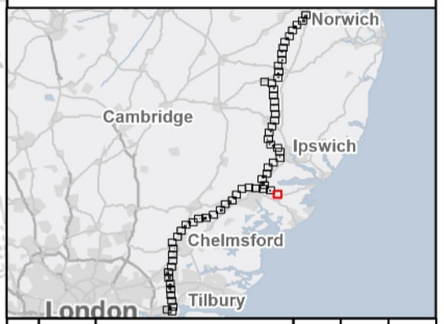
Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Built linear features
- Developed land; sealed surface
- Sustainable drainage system
- Vegetated garden

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 34 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

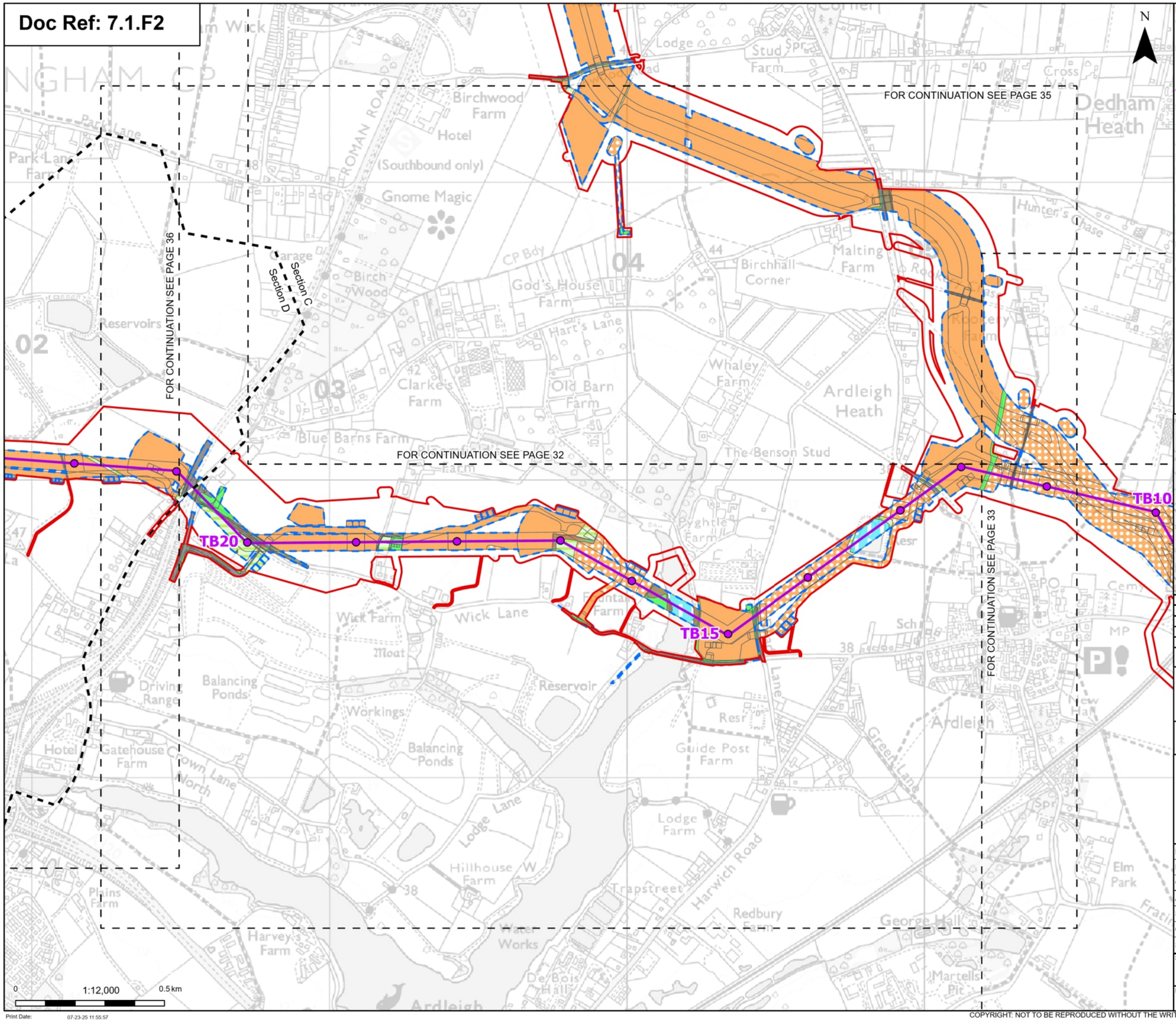
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface
- Vegetated garden

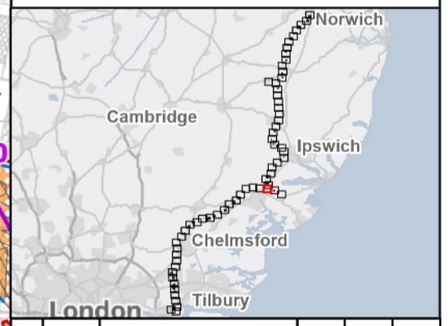
Sparsely vegetated land
- Tall forbs

Lakes
- Reservoirs

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 35 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

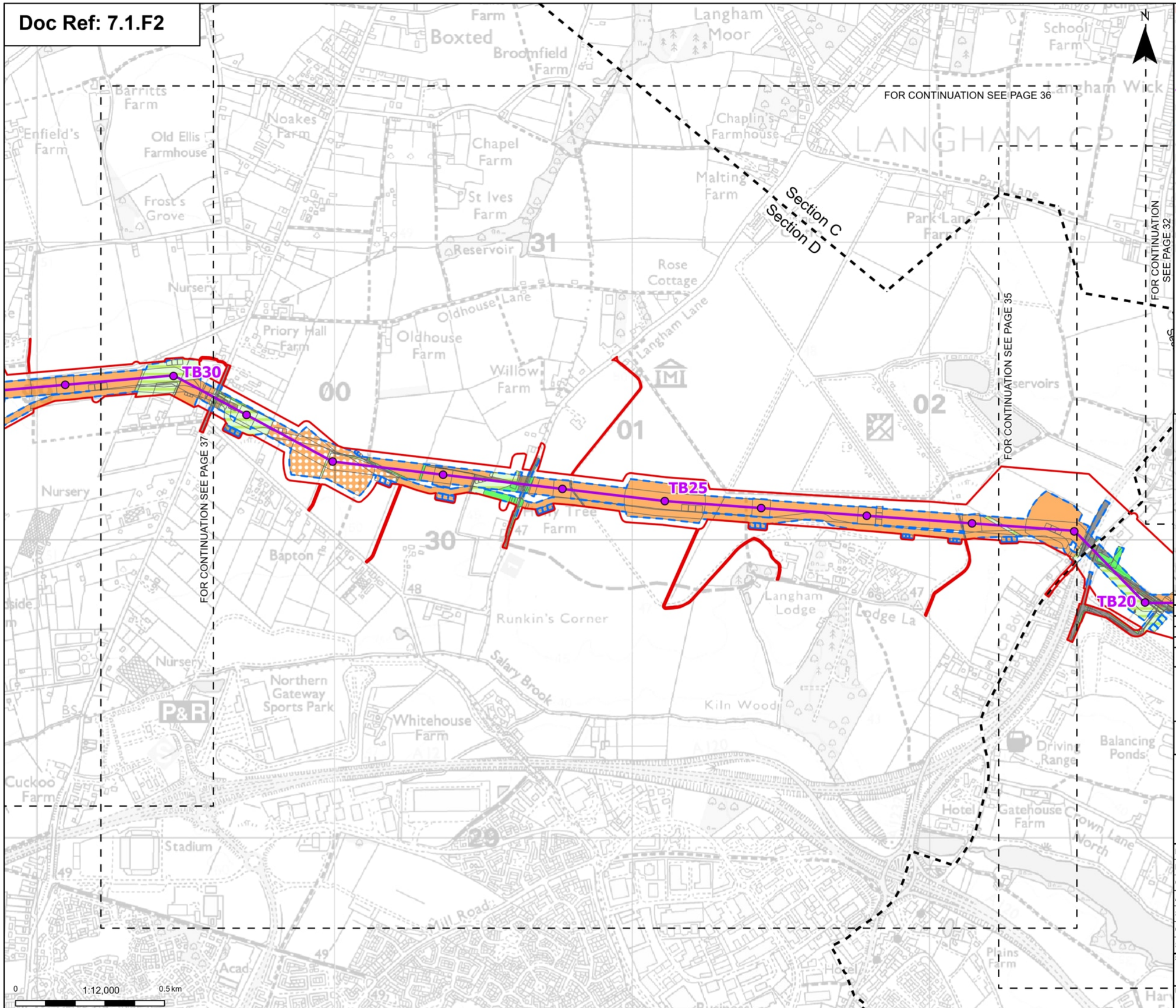
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:55:57

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:56:00

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Bracken
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub
- Willow scrub

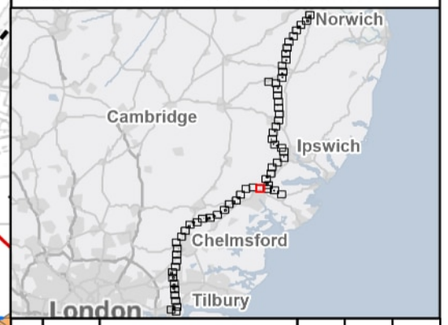
Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 36 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

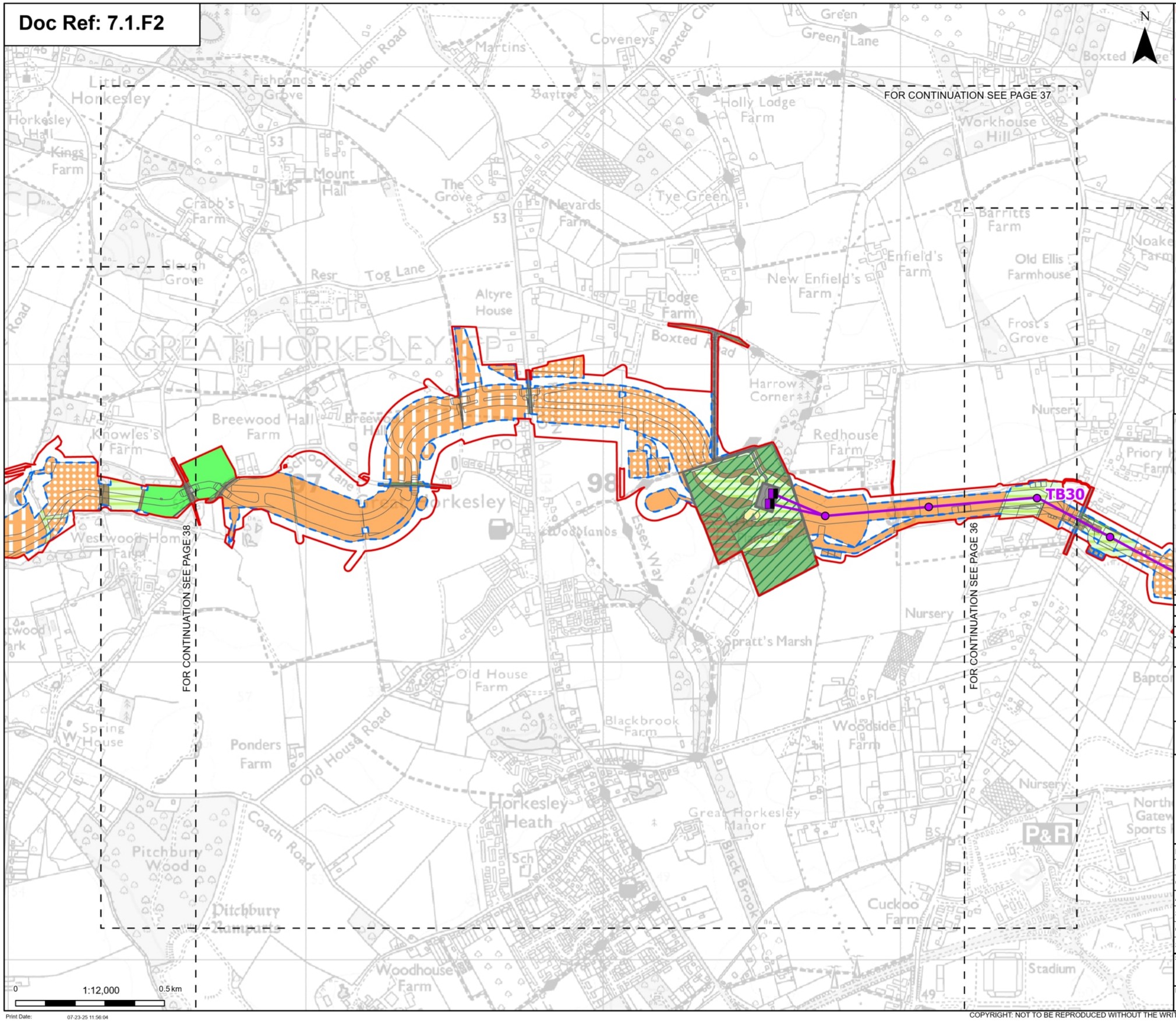
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed full line tension gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints
- Maximum construction boundary

Cropland
- Cereal crops
- Intensive orchards
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub
- Willow scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Sustainable drainage system
- Vegetated garden

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 37 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

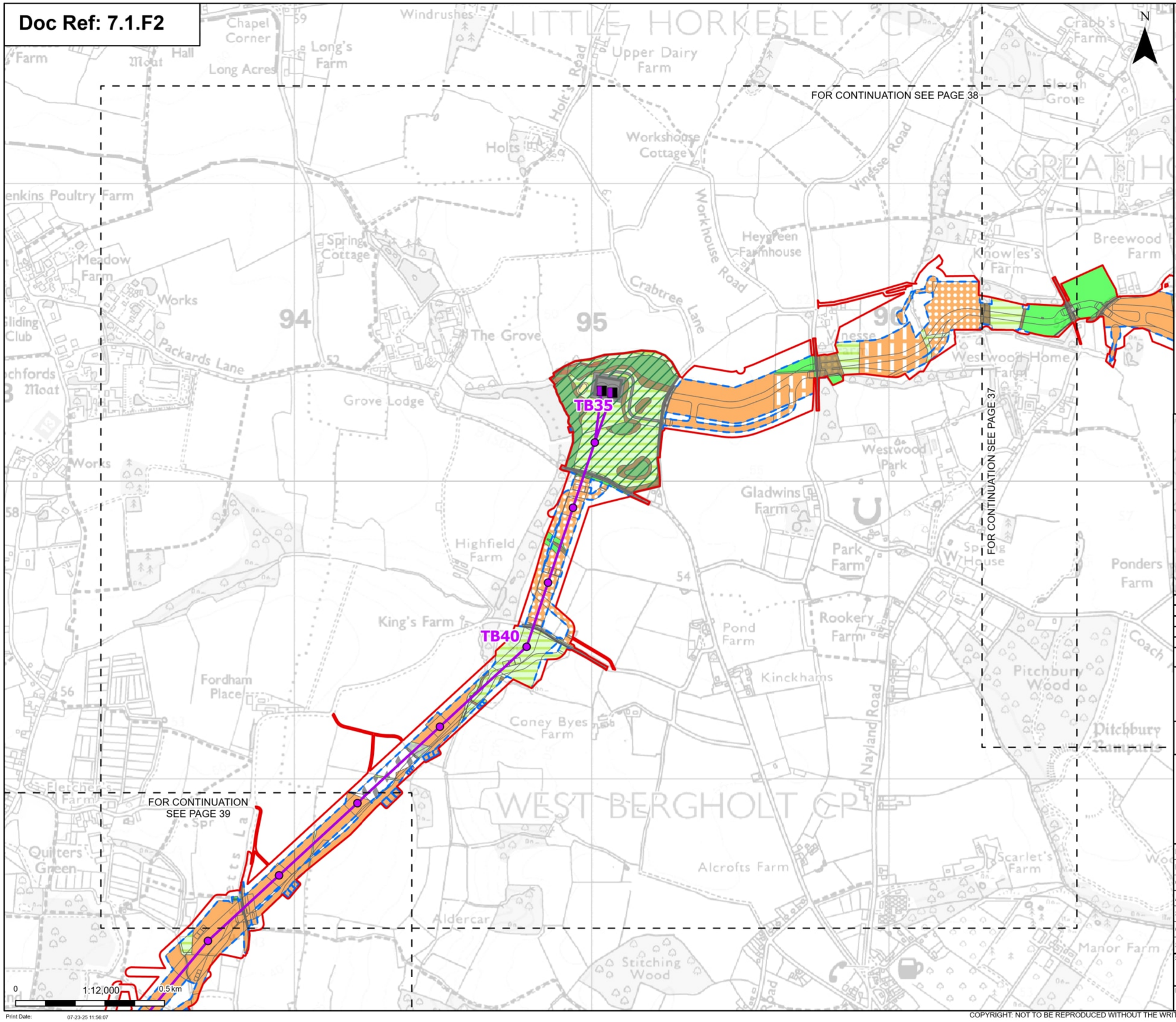
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:56:04

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed full line tension gantry
Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops
Winter stubble

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface

Bare ground
Built linear features
Developed land; sealed surface
Sustainable drainage system

Sparsely vegetated land
Tall forbs

Lakes
Ornamental lake or pond

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 38 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

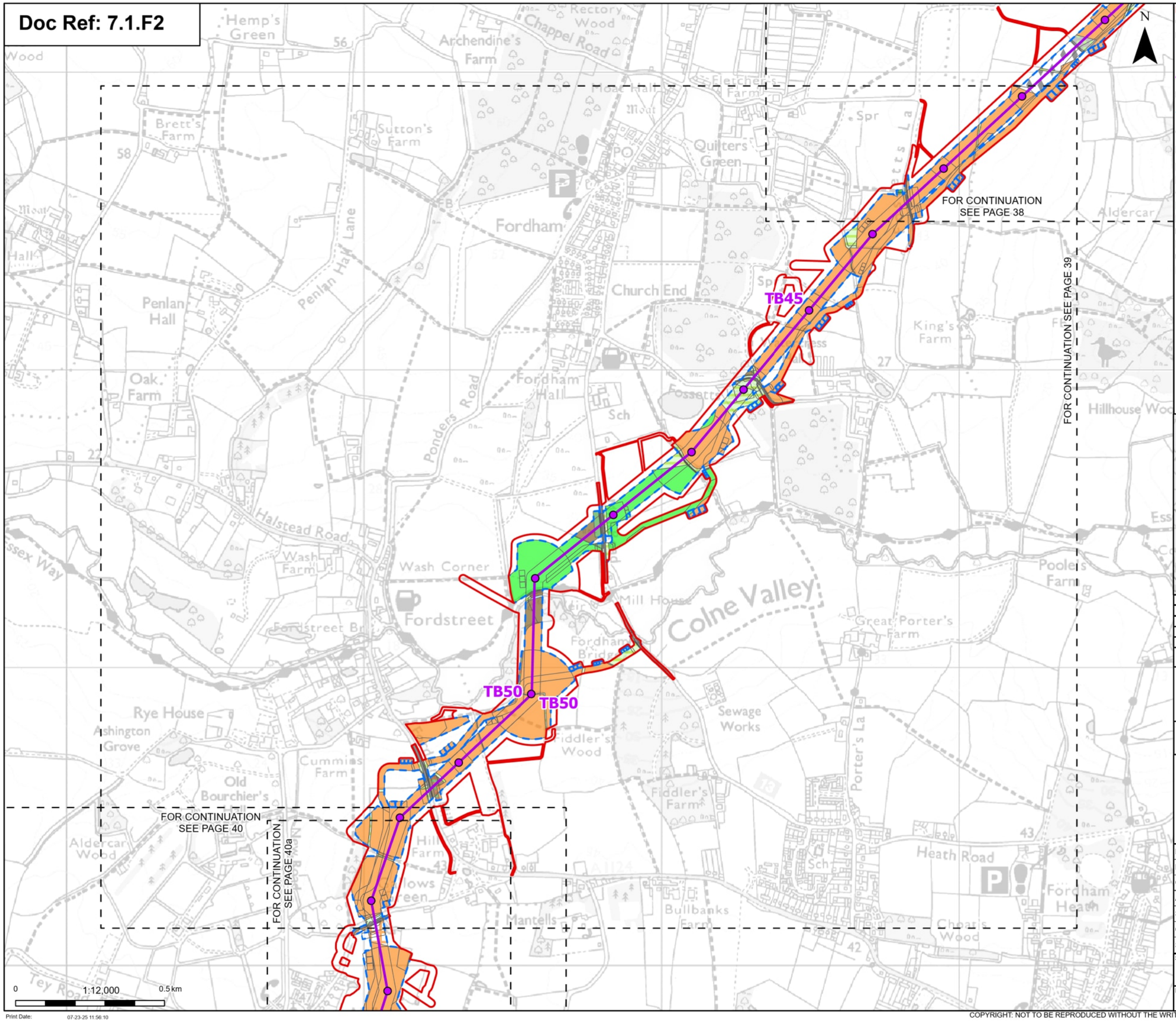
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:56:07

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



N

Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

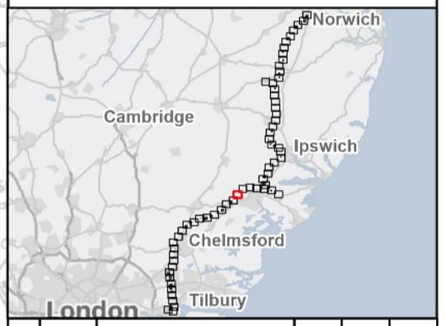
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 39 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

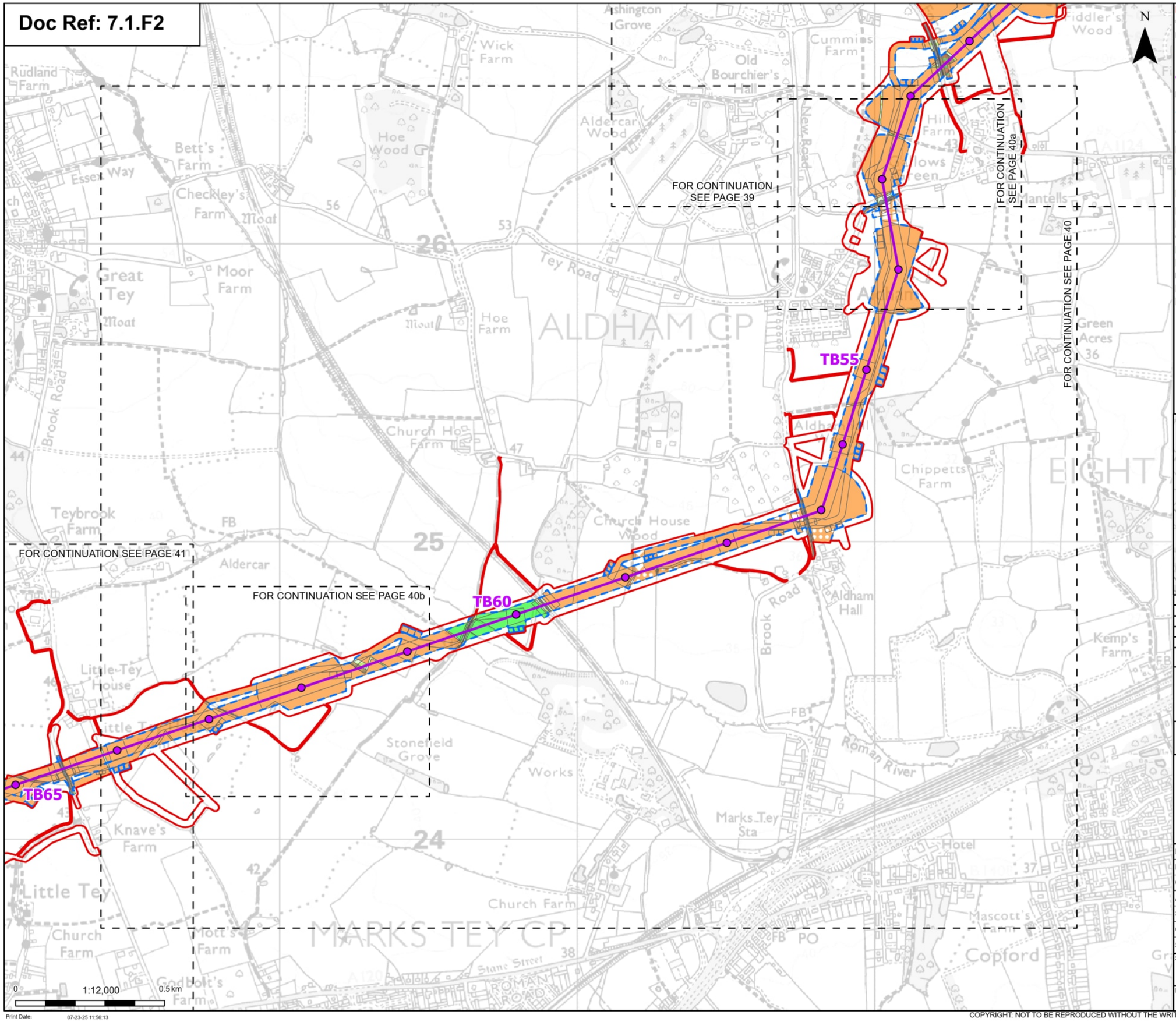
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:56:10

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins game bird mix
- Arable field margins pollen and nectar
- Arable field margins tussocky
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Sparsely vegetated land
- Tall forbs

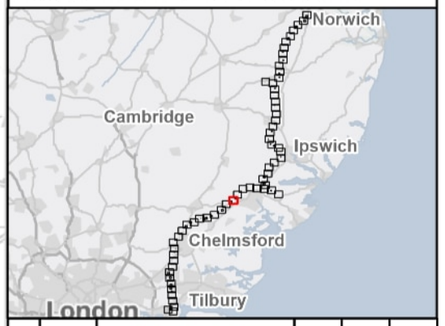
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 40 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:56:13

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

N

New Road

Hill Farm

43

Gallows Green

Mant

Aldham

A7

0 1:3,000 0.13 km

Print Date: 07-23-25 11:56:17

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins game bird mix

Cereal crops

Non-cereal crops

Grassland

Other neutral grassland

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

Watercourse footprint

Watercourse footprint

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 40a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

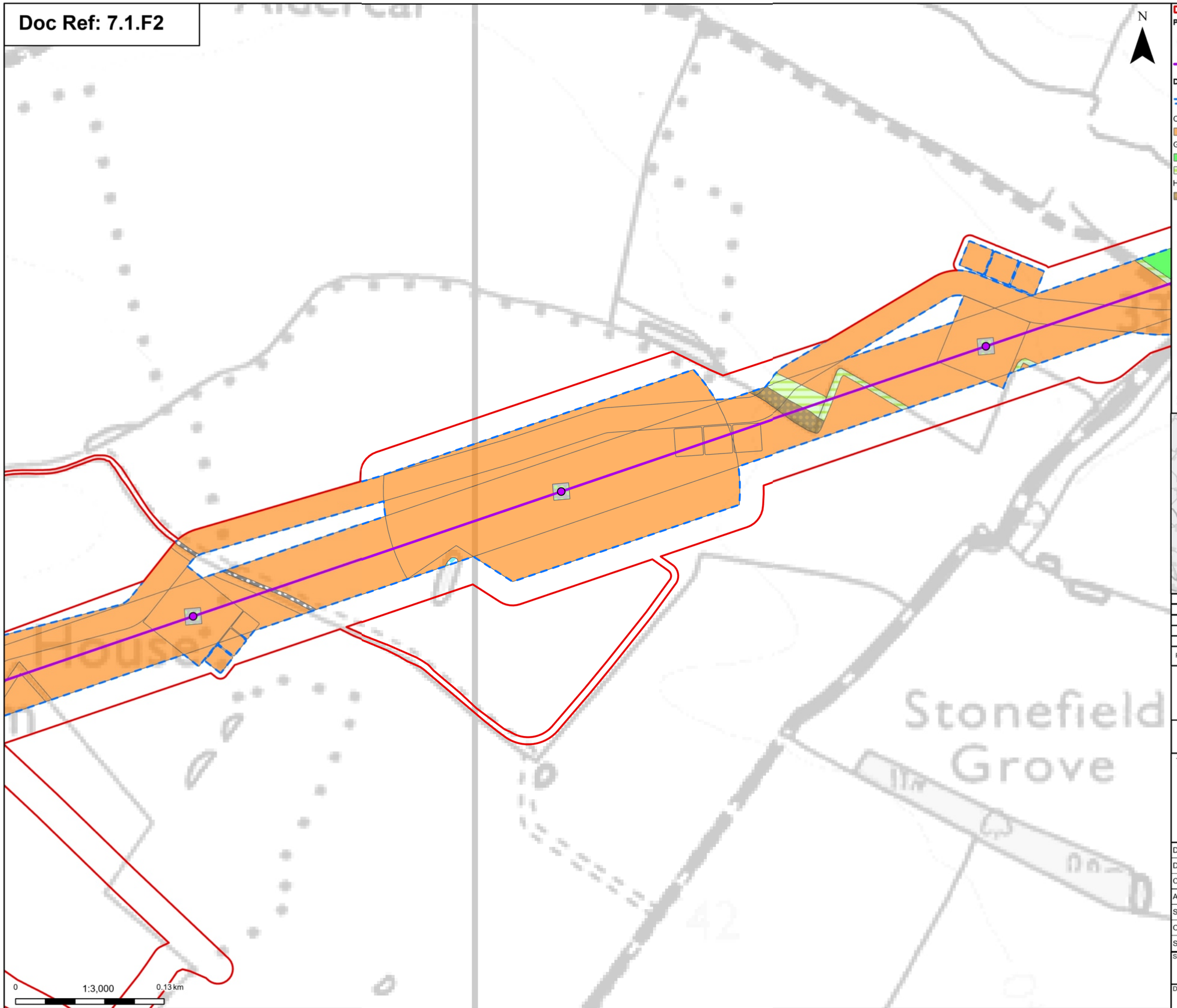
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:56:20

- Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub

Urban
- Artificial unvegetated, unsealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 40b of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

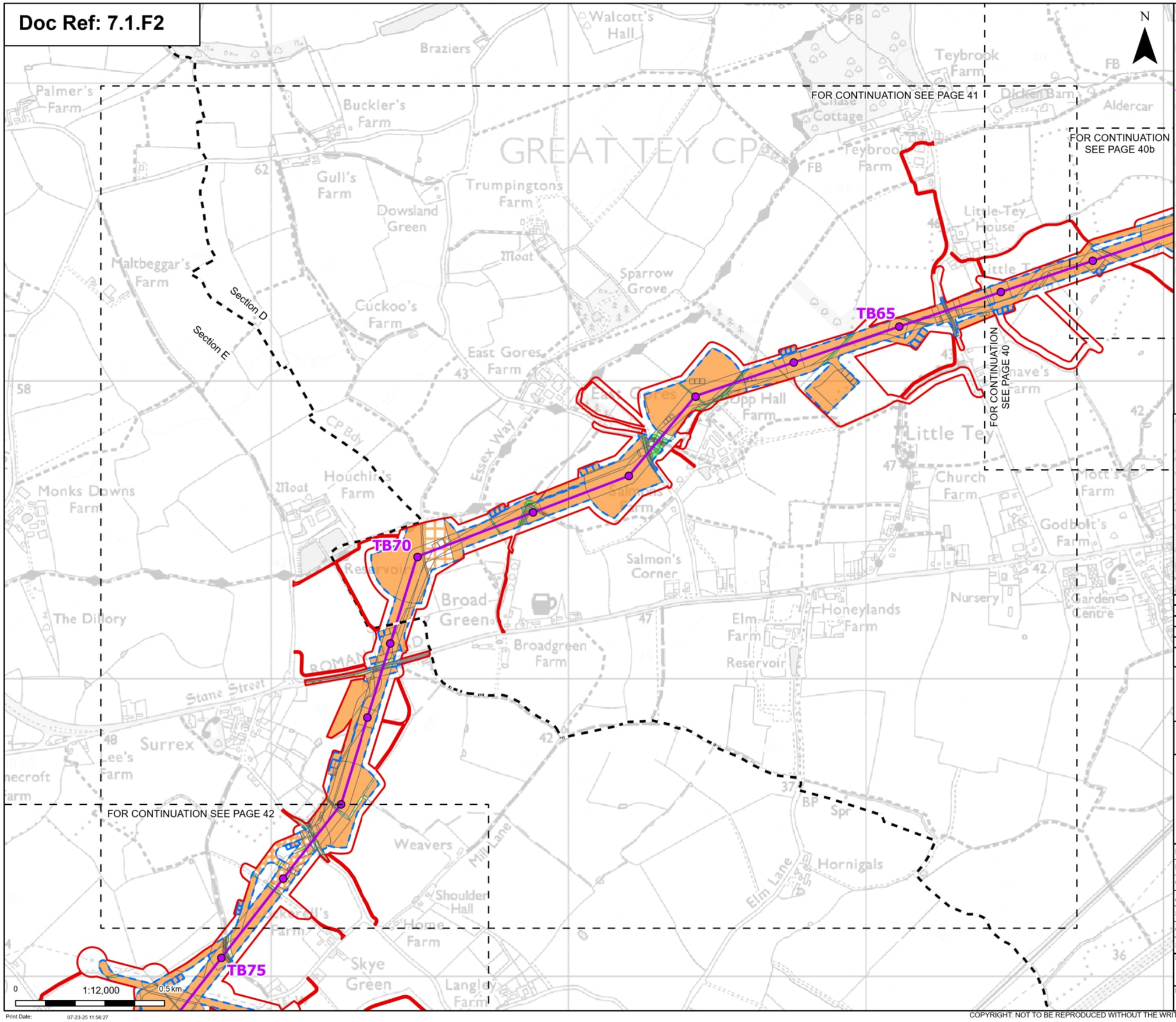
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Arable field margins game bird mix
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface
Developed land; sealed surface

Sparsely vegetated land
Ruderal/Ephemeral
Tall forbs

Lakes
Ponds (priority habitat)

Woodland and forest
Lowland mixed deciduous woodland
Other coniferous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 41 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

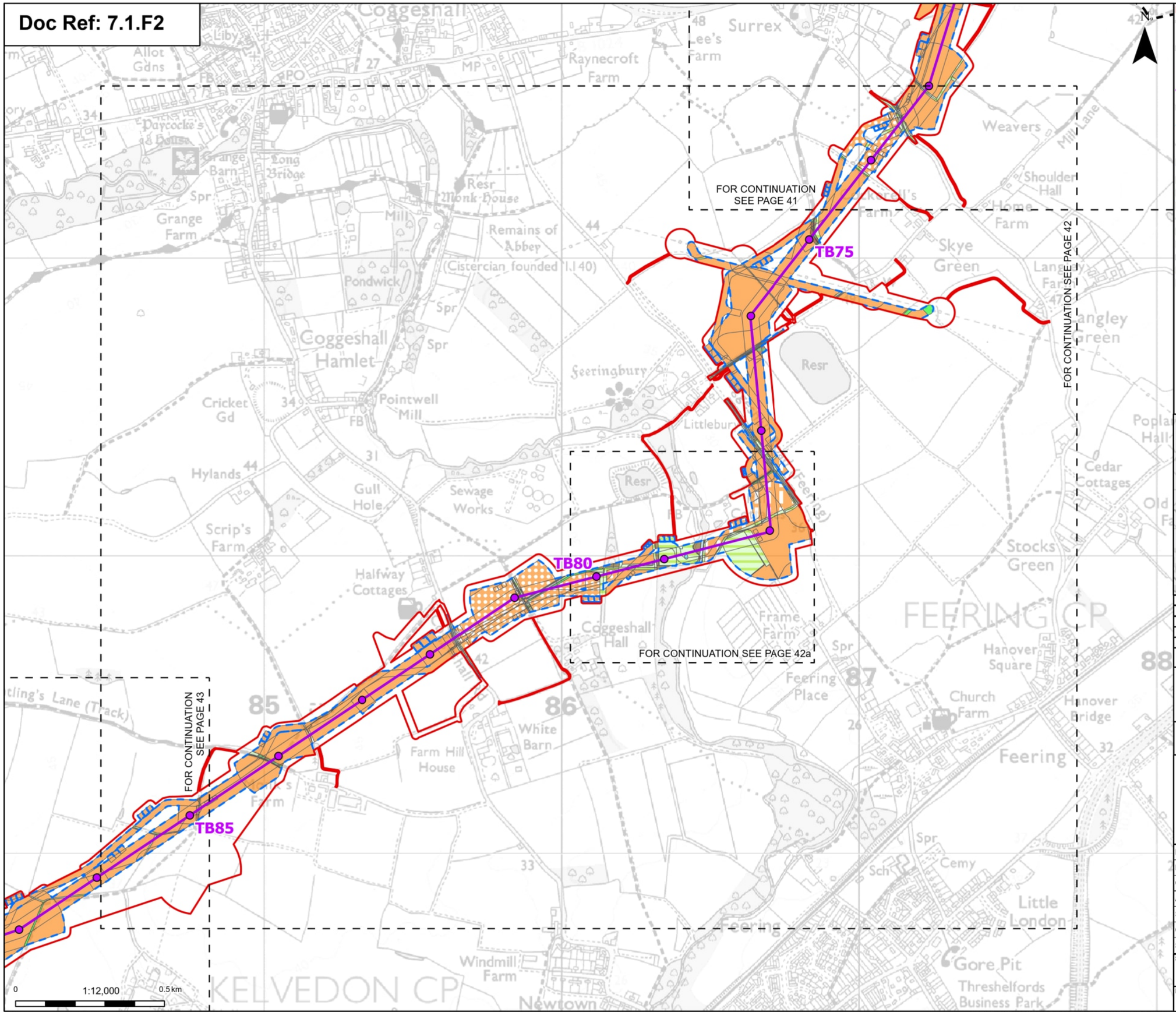
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:56:27

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 42 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

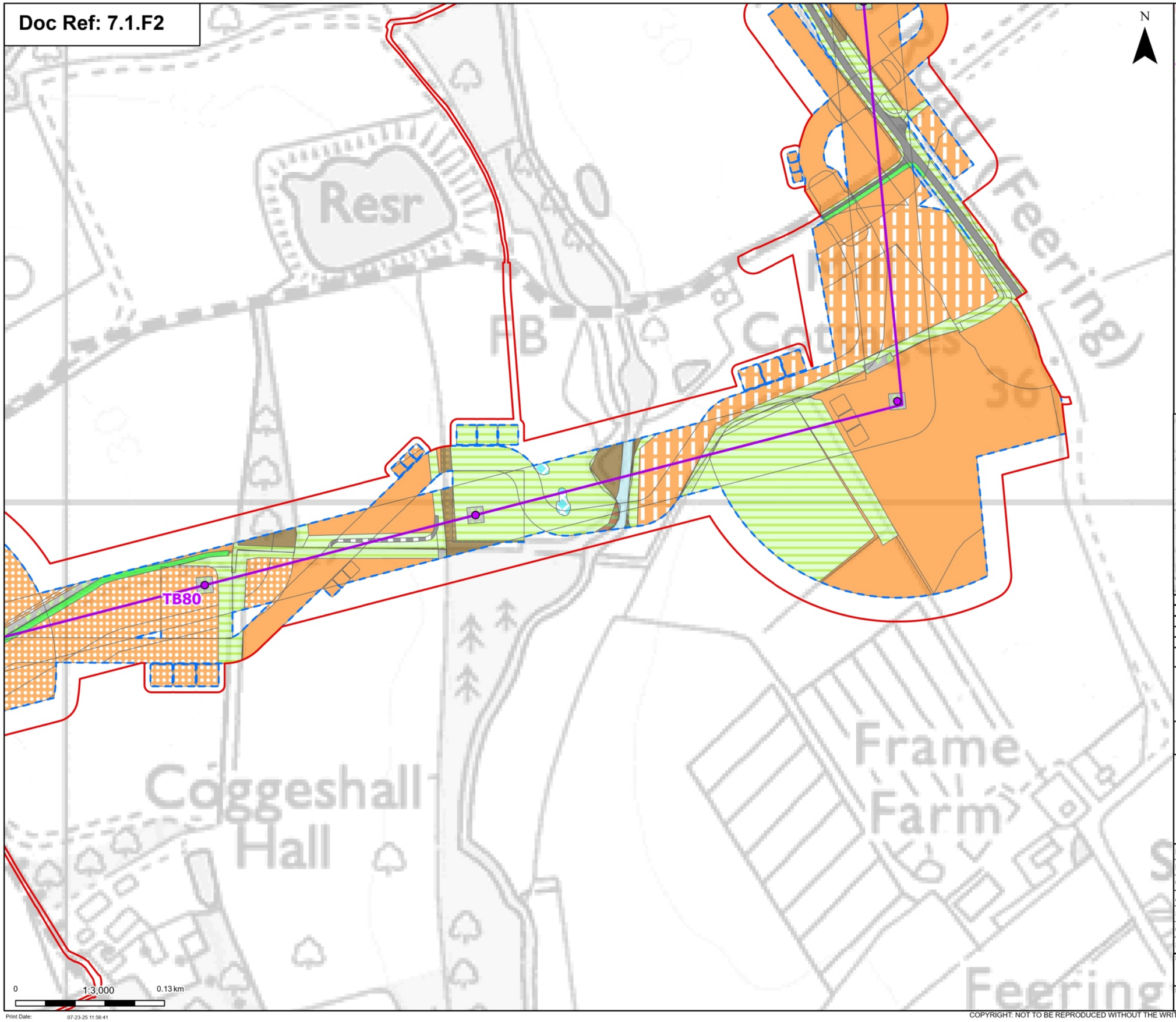
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:56:34

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops
- Winter stubble

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Bramble scrub
- Mixed scrub

Urban

- Built linear features
- Developed land; sealed surface

Sparsely vegetated land

- Ruderal/Ephemeral
- Tall forbs

Lakes

- Ponds (priority habitat)

Watercourse footprint

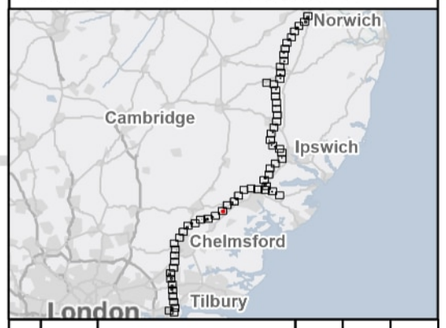
- Watercourse footprint

Woodland and forest

- Lowland mixed deciduous woodland
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 42a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

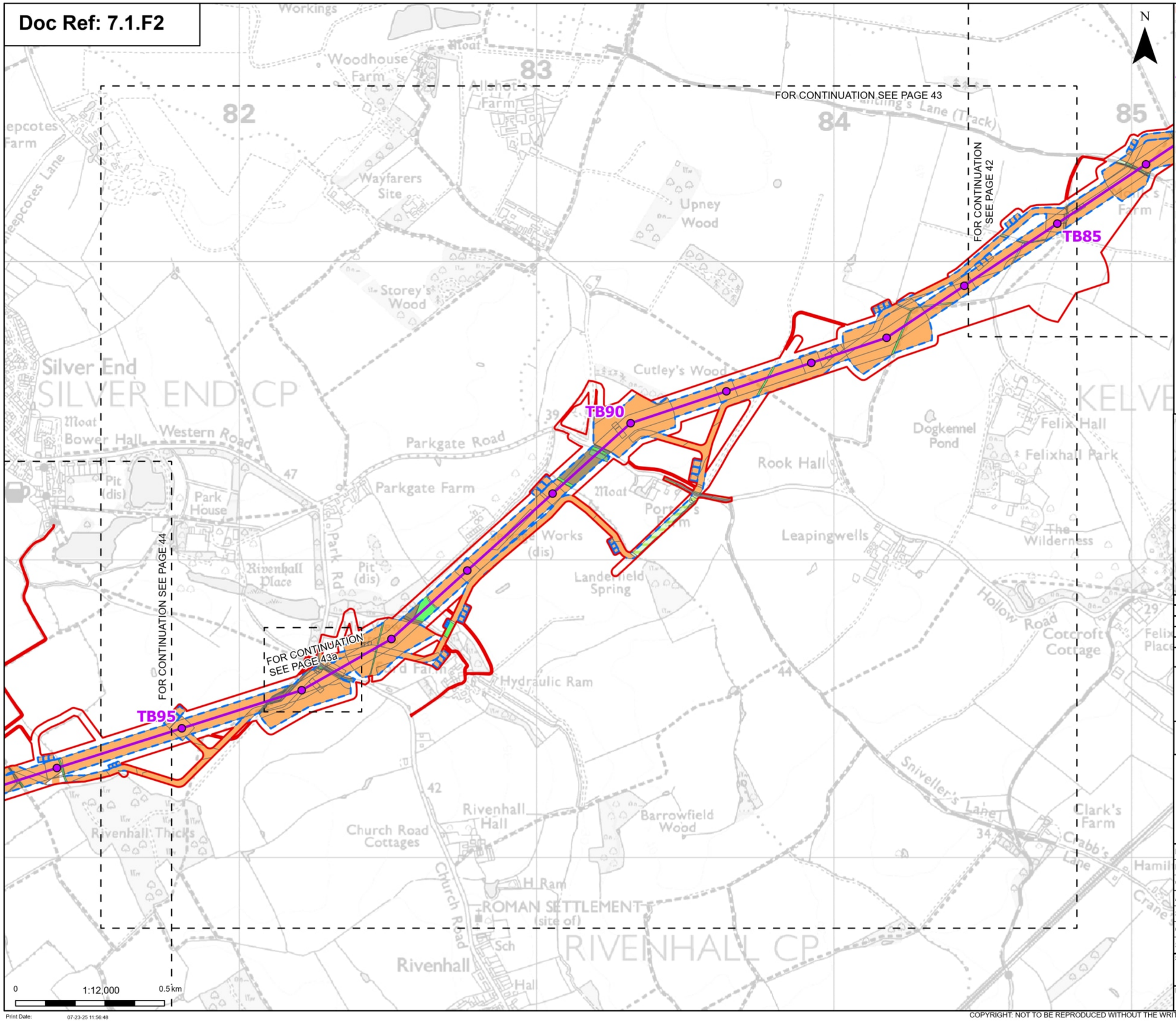
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:56:41

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints
- Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Developed land; sealed surface

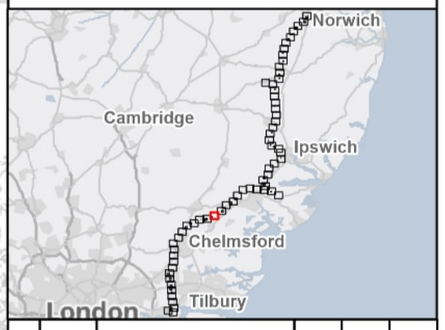
Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 43 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:56:48

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

N

Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

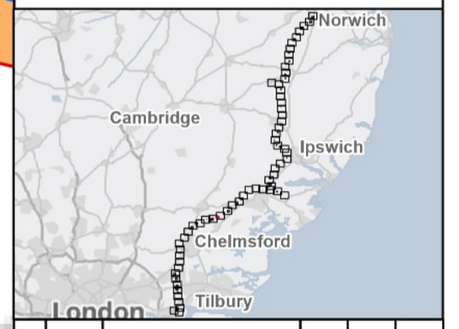
Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 43a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

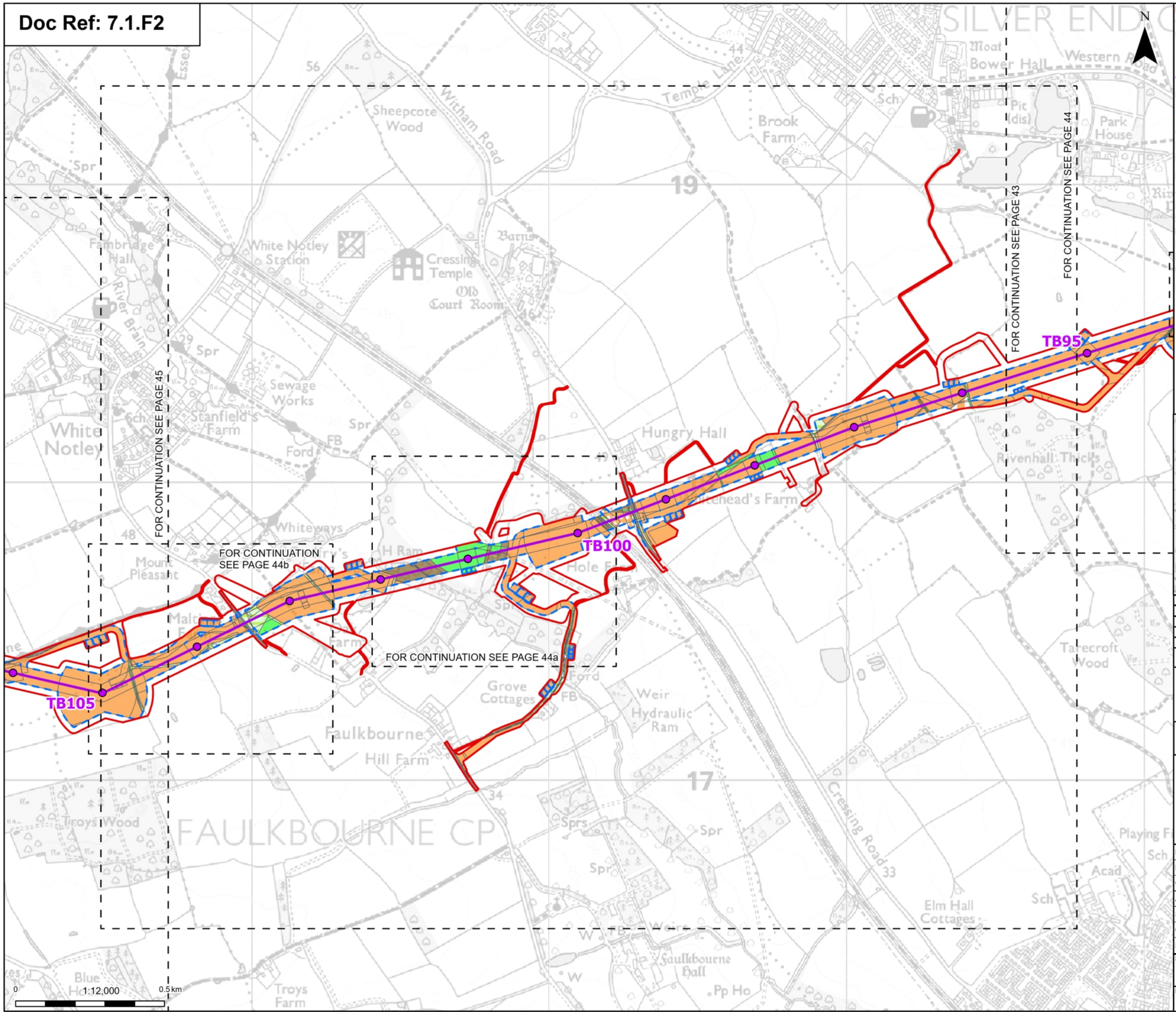
Revision: A

0 1:2,000 0.1 km

Print Date: 07-23-25 11:56:54

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

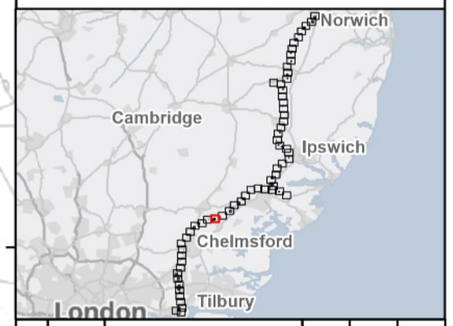
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 44 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

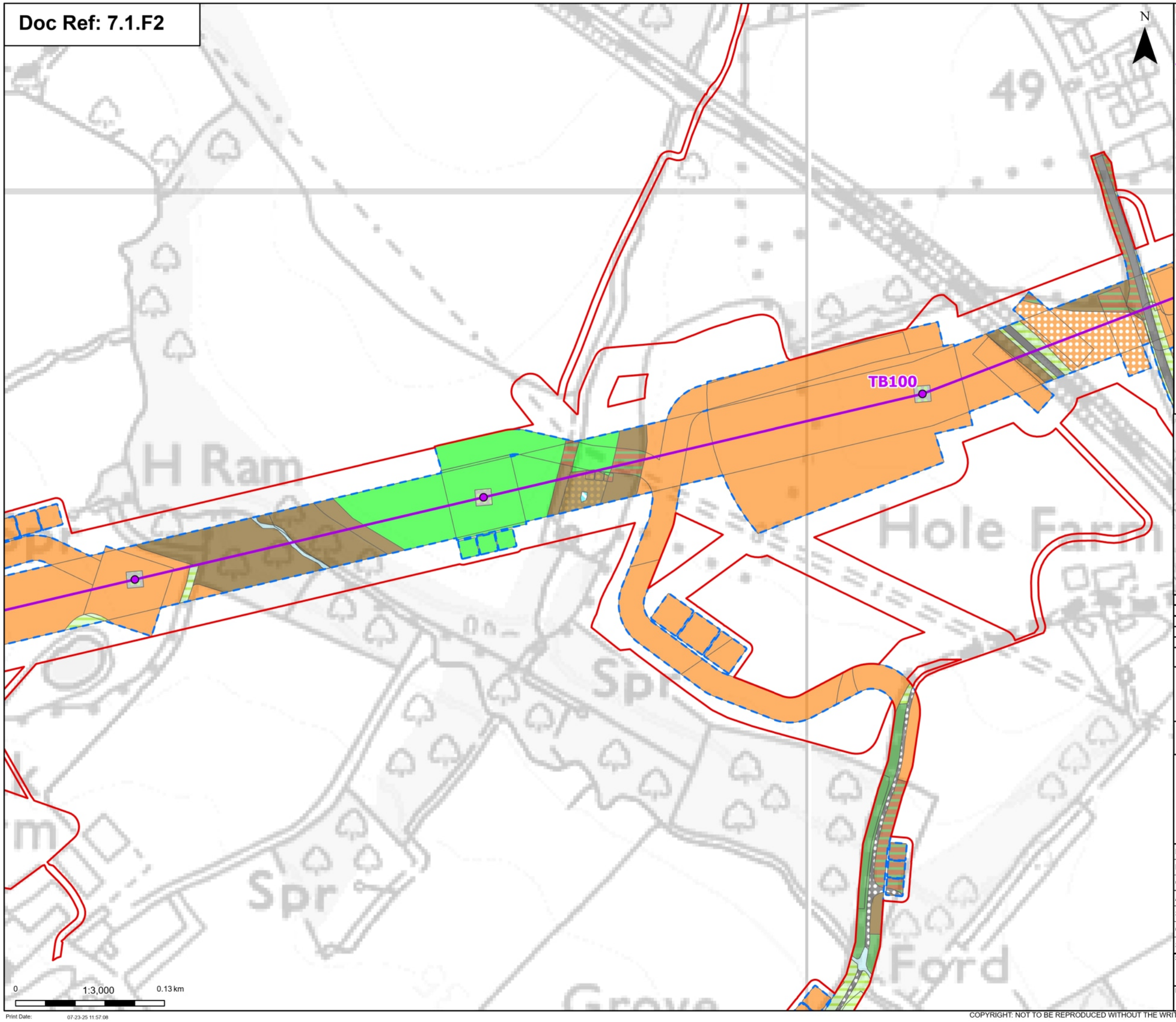
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:57:01

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 44a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

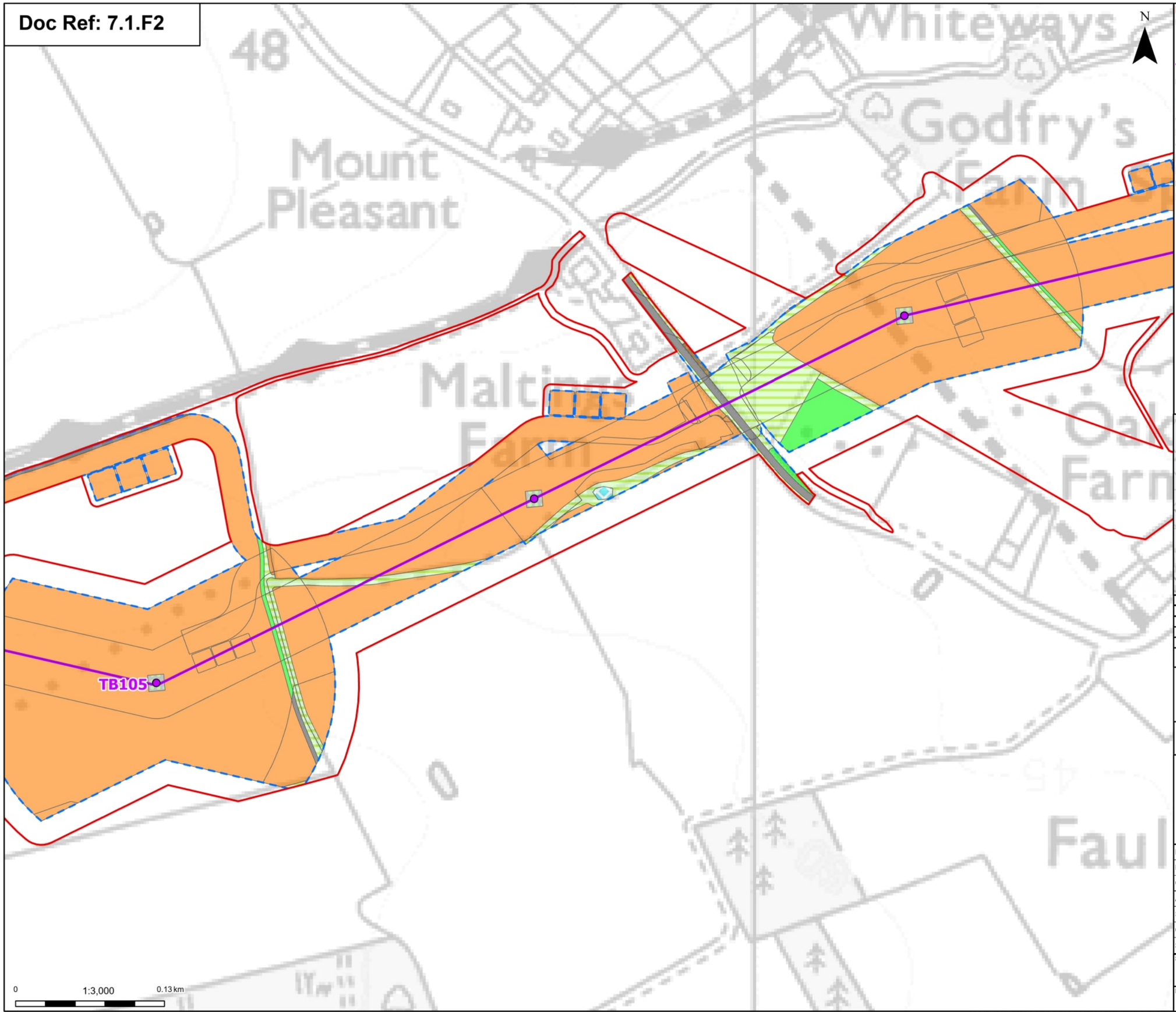
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:57:08

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub

Urban
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 44b of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

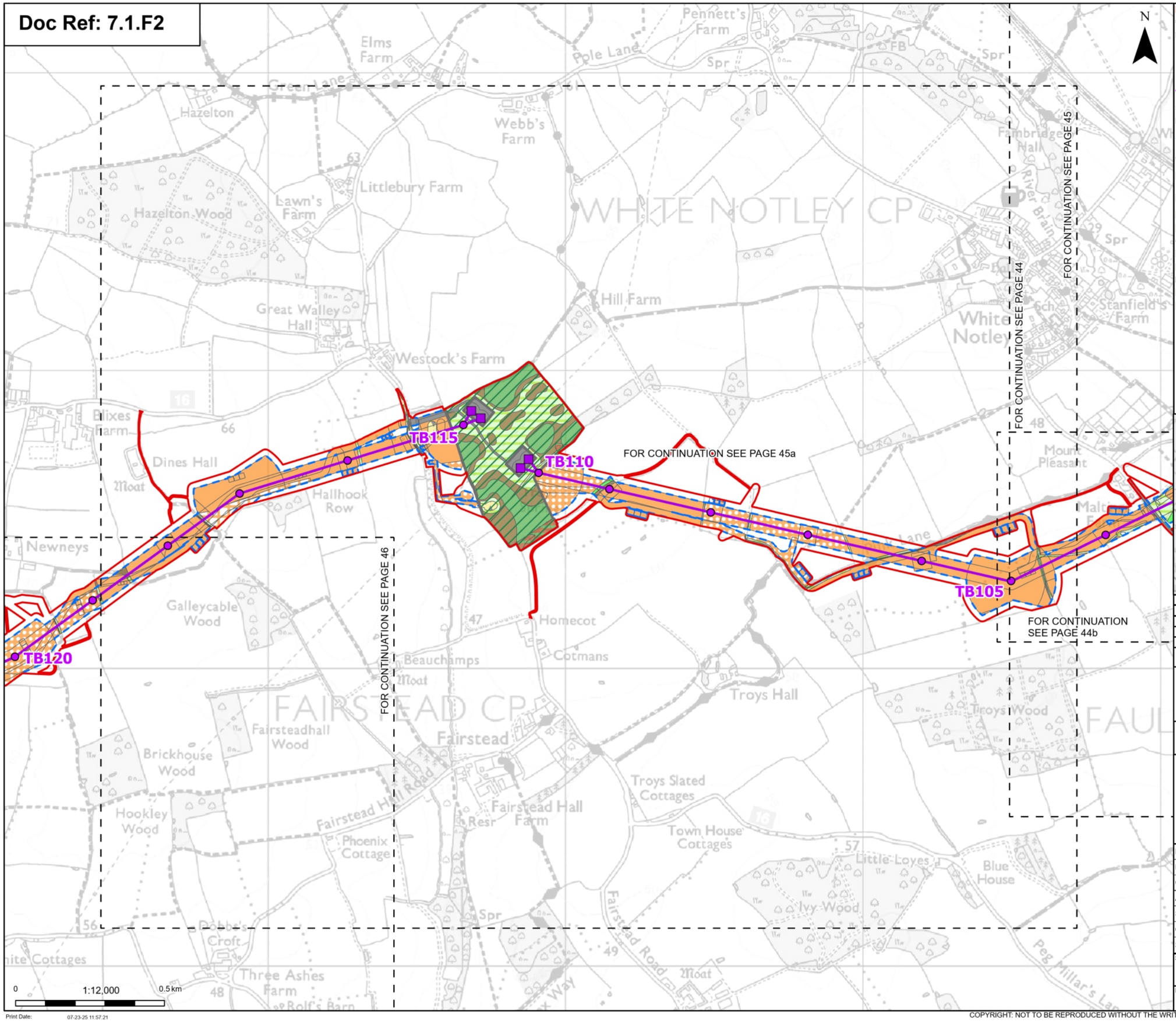
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:57:15

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:57:21

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed low duty gantry
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Developed land; sealed surface
- Sustainable drainage system

Sparsely vegetated land
- Tall forbs

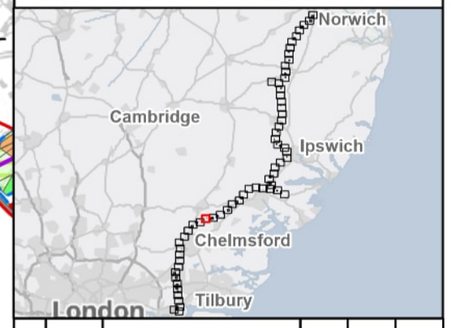
Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 45 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

N

Order limits

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 45a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:1,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

0 1:1,000 0.05 km

Print Date: 07-23-25 11:57:28

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

TB120

TB125

FOR CONTINUATION SEE PAGE 45

FOR CONTINUATION SEE PAGE 46

FOR CONTINUATION SEE PAGE 46a

FOR CONTINUATION SEE PAGE 47

Section F

Section E

0 1:12,000 0.5 km

Print Date: 07-23-25 11:57:34

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment
Environmental area

Discipline specific constraints

Maximum construction boundary

Cropland
Arable field margins cultivated annually
Arable field margins game bird mix
Cereal crops
Non-cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Built linear features
Developed land; sealed surface
Sustainable drainage system

Sparsely vegetated land
Tall forbs

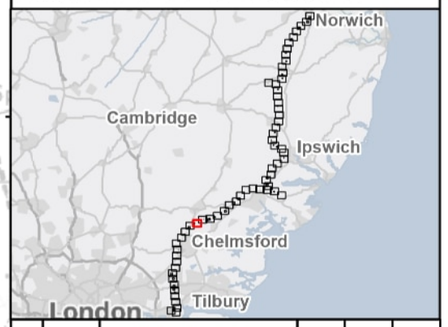
Lakes
Ponds (priority habitat)

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 46 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

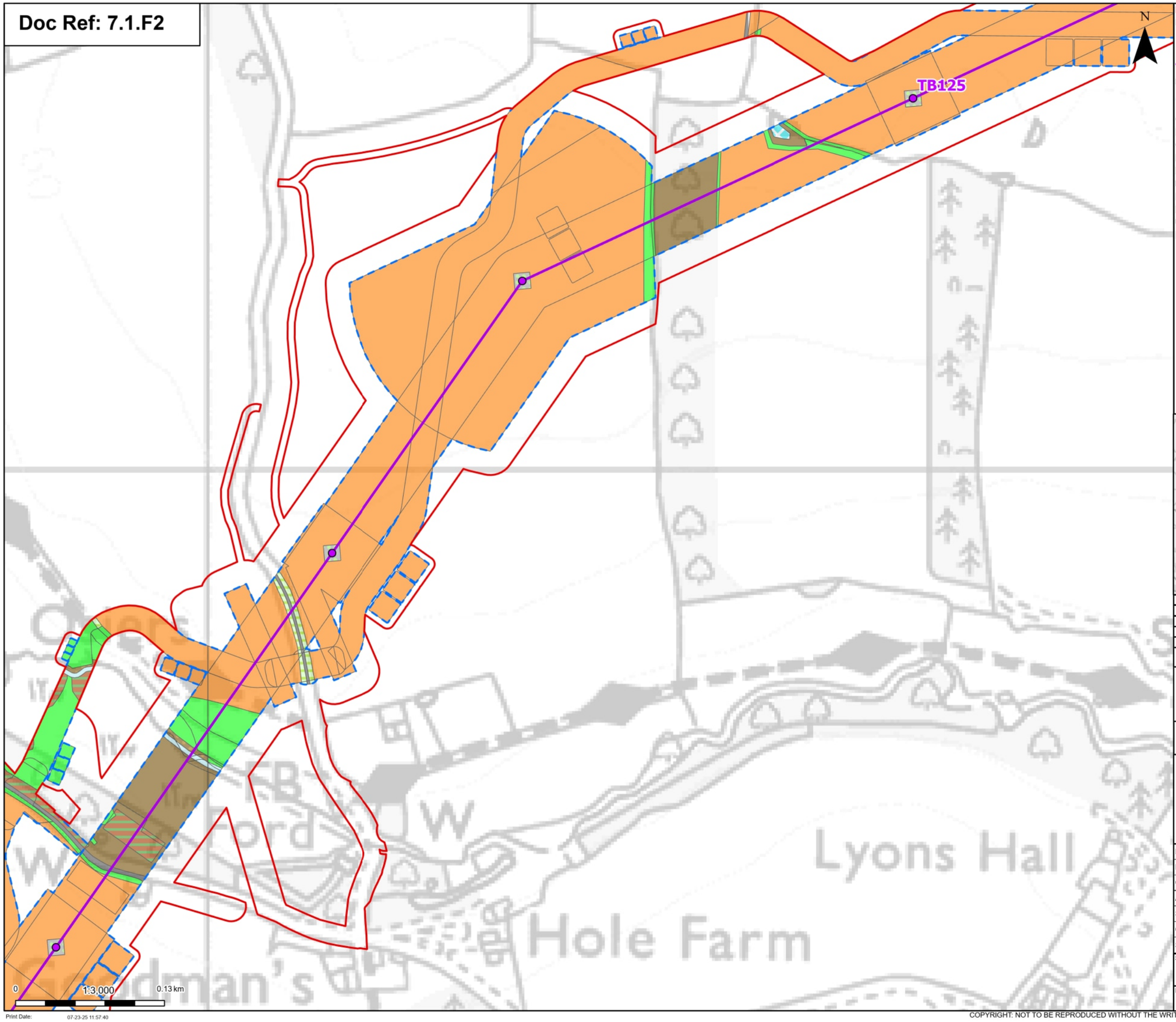
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Bramble scrub

Mixed scrub

Urban

Built linear features

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

Watercourse footprint

Watercourse footprint

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 46a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

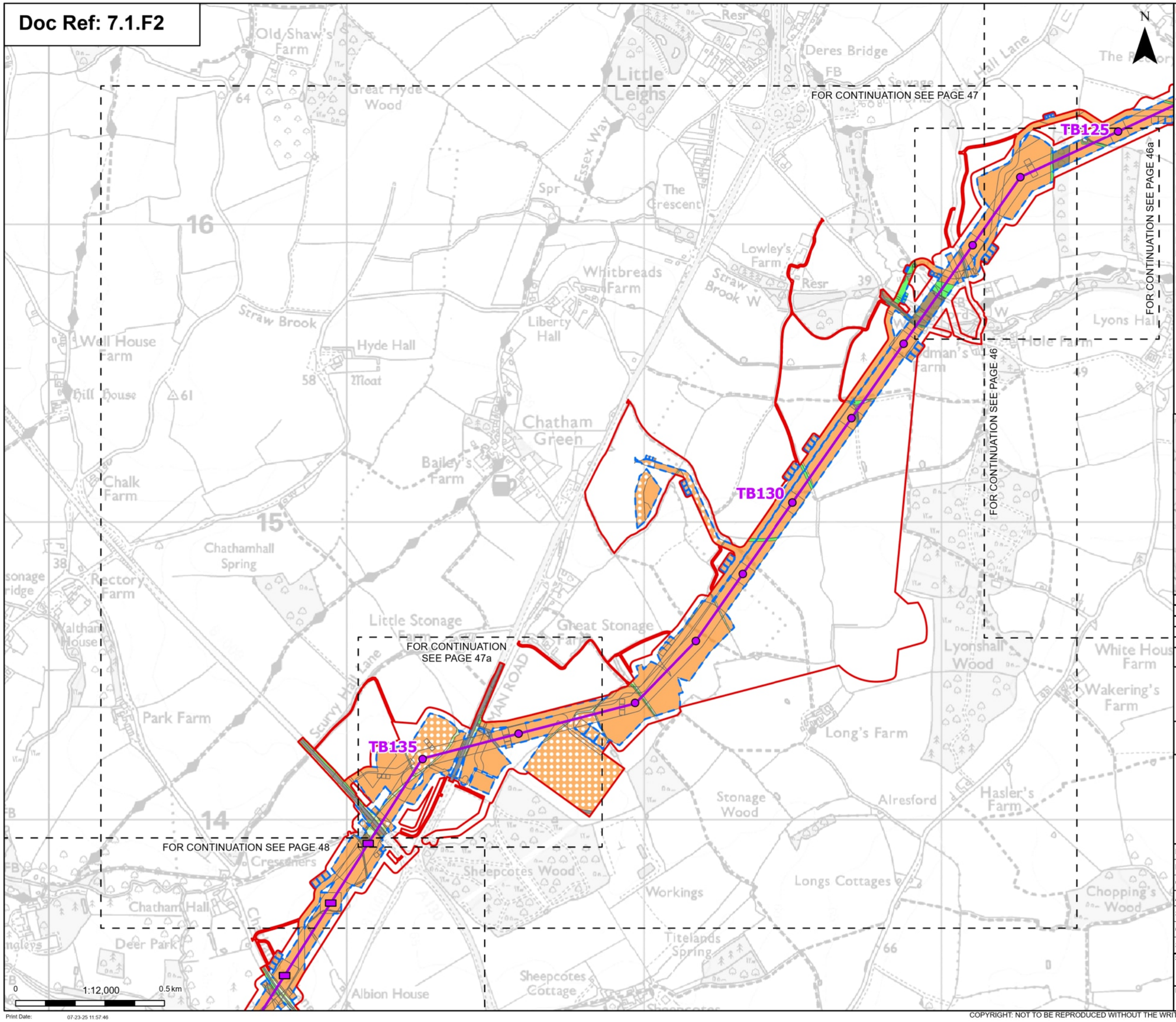
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:57:40

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 47 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

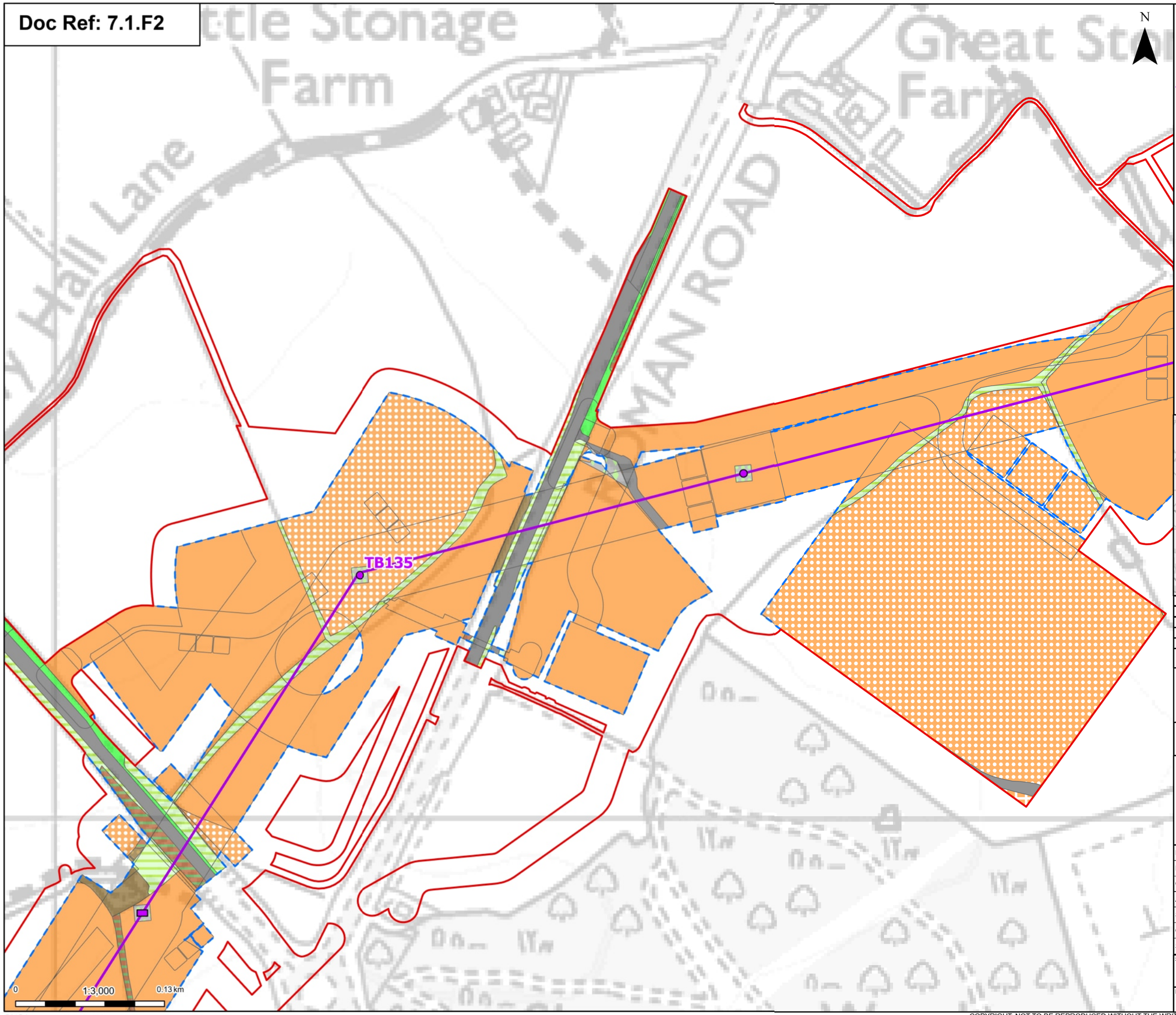
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:57:46

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins cultivated annually
- Cereal crops
- Non-cereal crops

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban

- Developed land; sealed surface

Sparsely vegetated land

- Ruderal/Ephemeral
- Tall forbs

Lakes

- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 47a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

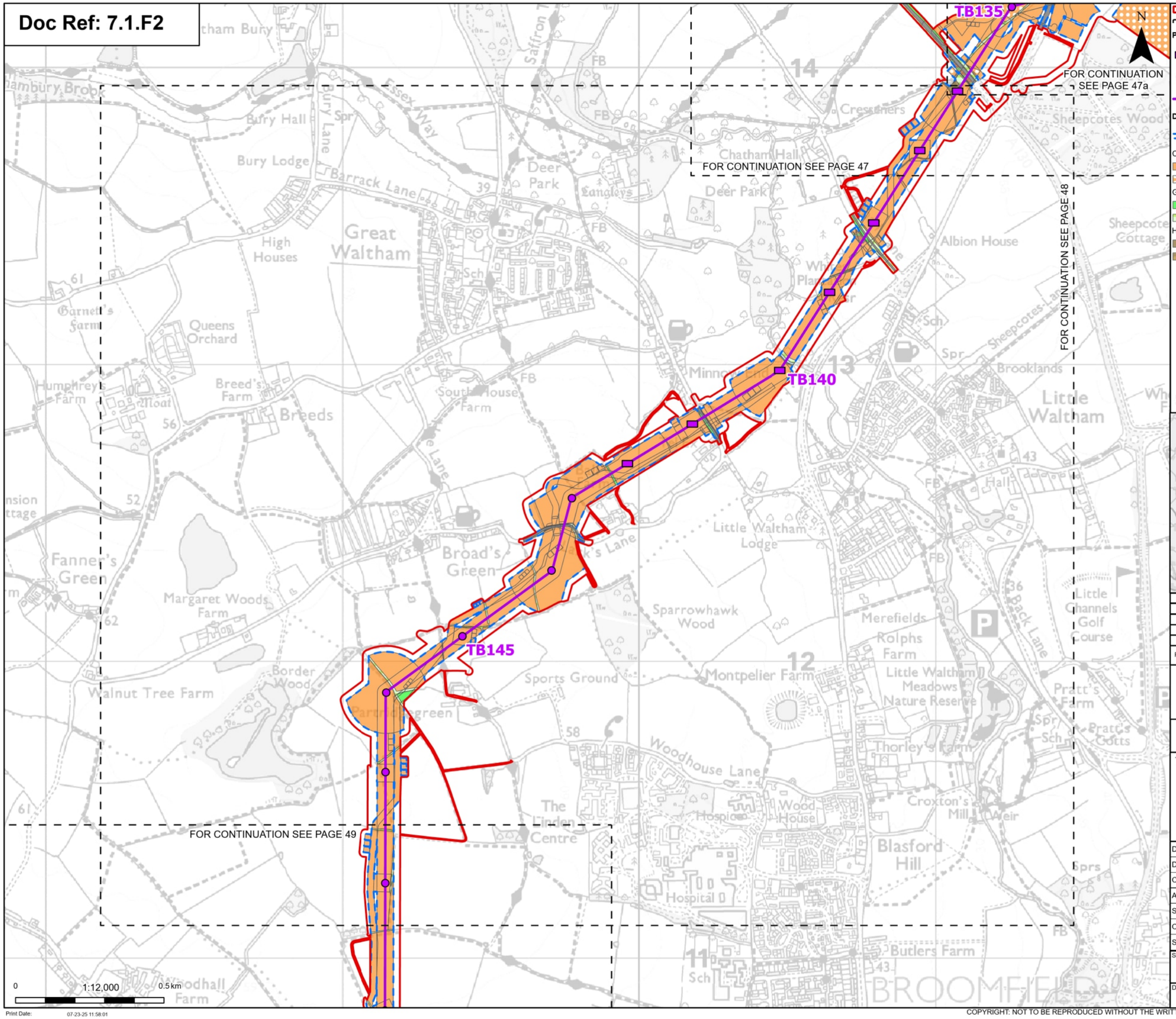
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:57:53

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

- Proposed low height pylon location
- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface

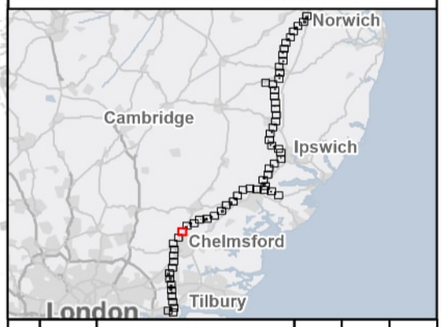
Sparsely vegetated land
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 48 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

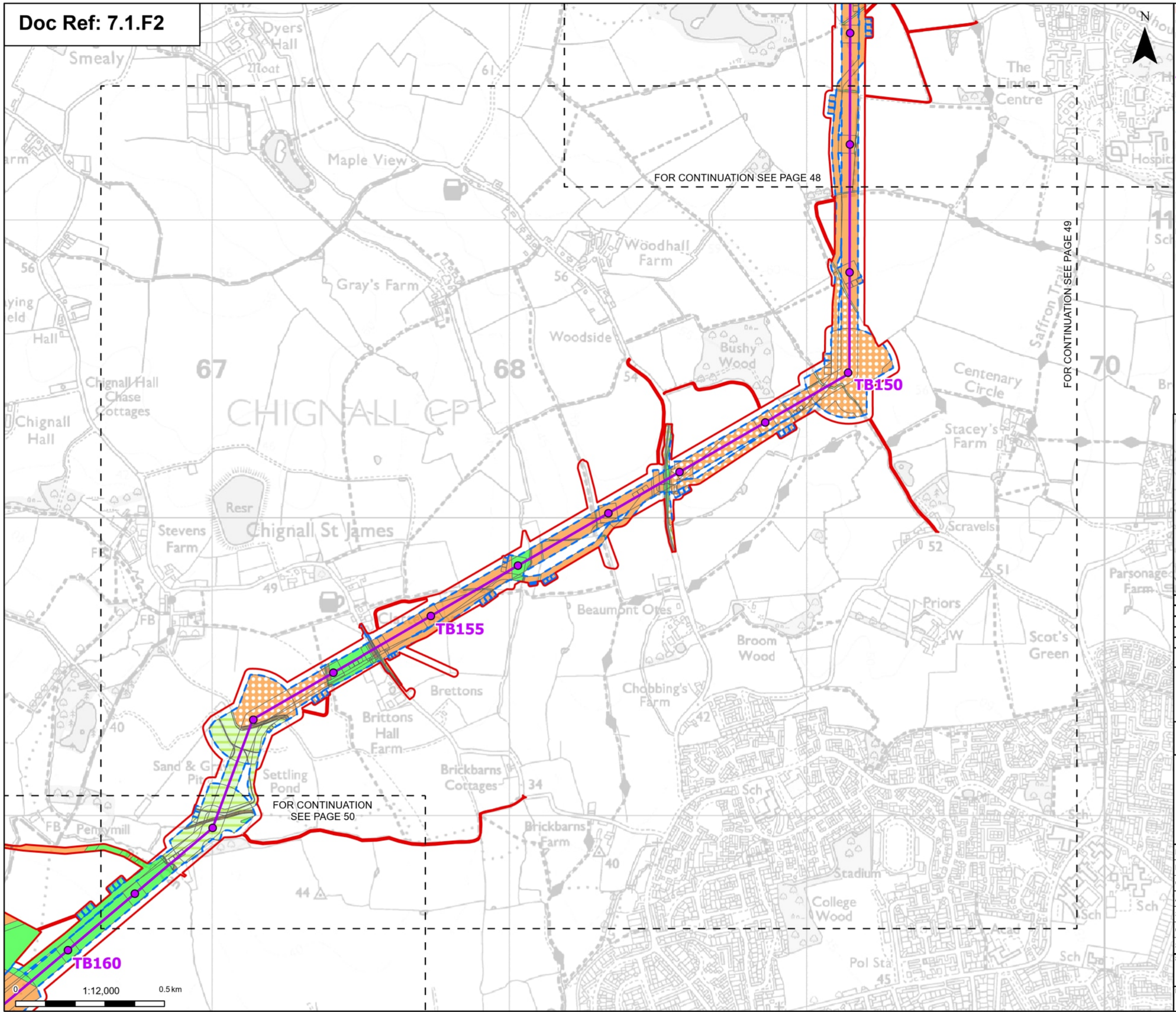
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:58:01

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops
Non-cereal crops
Temporary grass and clover leys

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface
Developed land; sealed surface

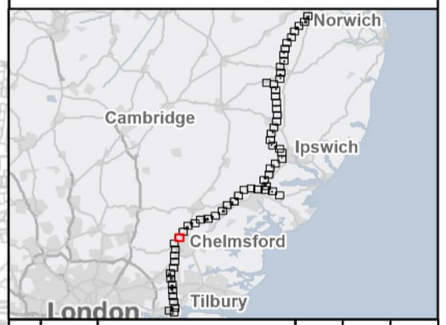
Sparsely vegetated land
Tall forbs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 49 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

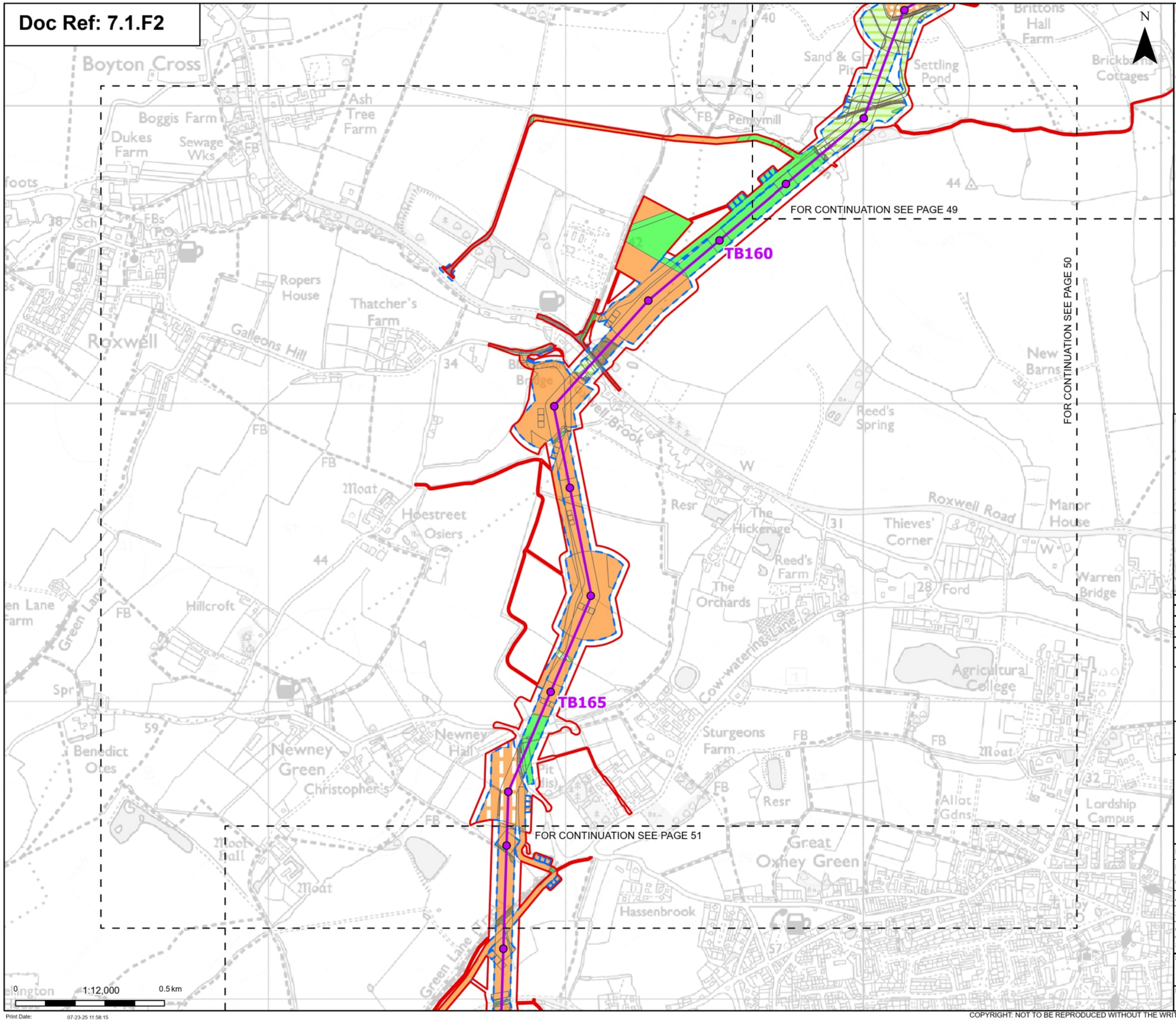
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:58:08

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

PROJECT:
nationalgrid Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 50 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

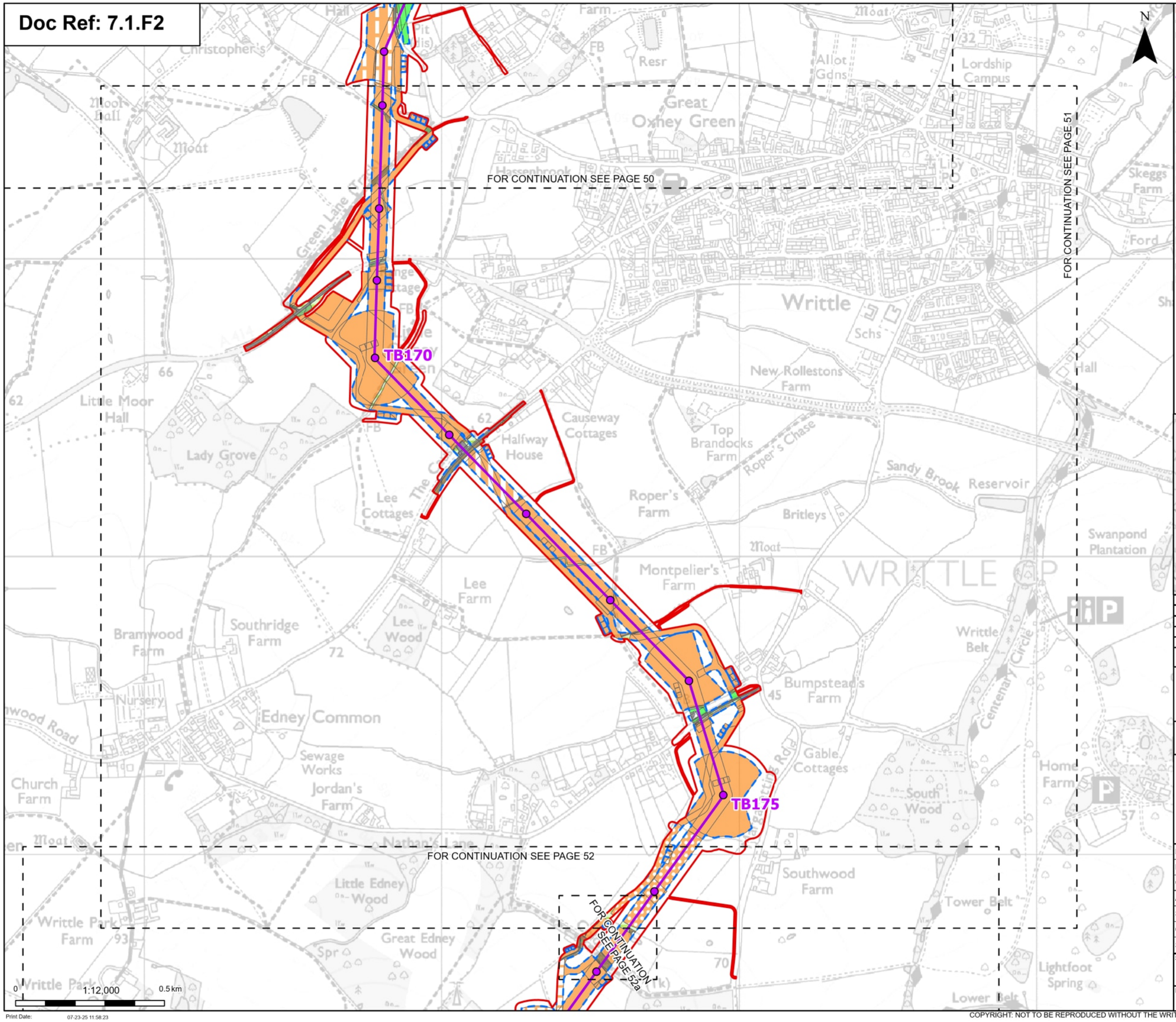
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 11:58:15

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Arable field margins game bird mix
Cereal crops
Non-cereal crops
Temporary grass and clover leys
Winter stubble

Grassland

Modified grassland
Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Artificial unvegetated, unsealed surface
Bare ground
Built linear features
Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

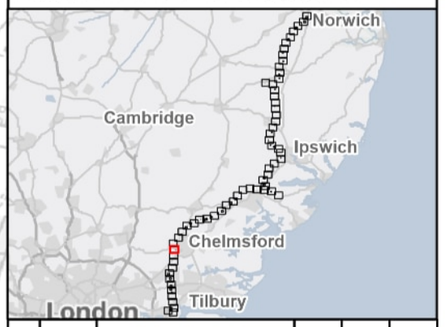
Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 51 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

TB175

TB180

FOR CONTINUATION SEE PAGE 51

FOR CONTINUATION SEE PAGE 52

FOR CONTINUATION SEE PAGE 52a

FOR CONTINUATION SEE PAGE 53

Section F

Section G

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:58:30

- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Norwich
Cambridge
Ipswich
Chelmsford
Tilbury
London

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 52 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

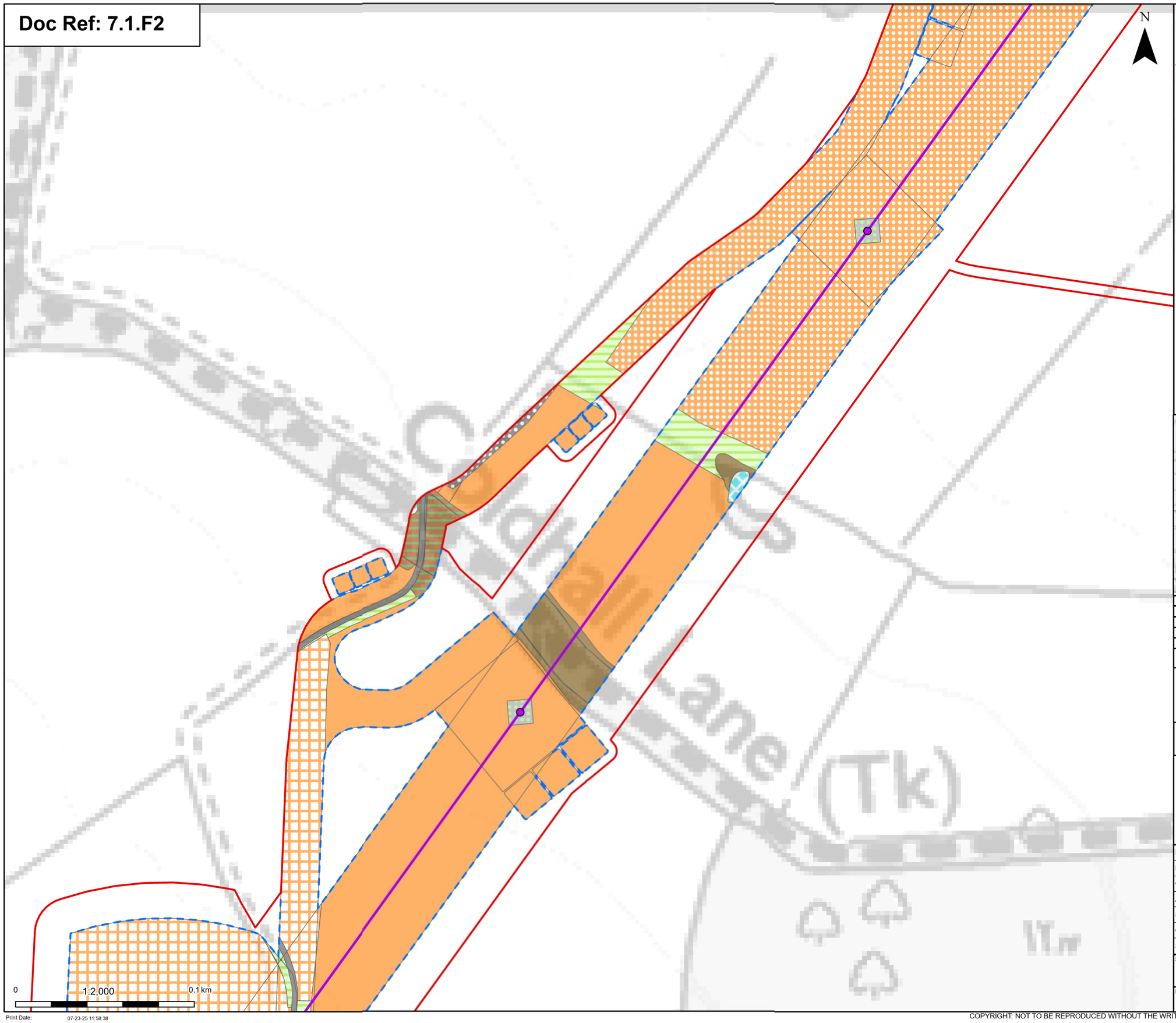
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins game bird mix
- Cereal crops
- Non-cereal crops

Grassland

- Other neutral grassland

Heathland and shrub

- Mixed scrub

Urban

- Artificial unvegetated, unsealed surface
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land

- Tall forbs

Lakes

- Ponds (priority habitat)

Woodland and forest

- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT:
Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 52a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

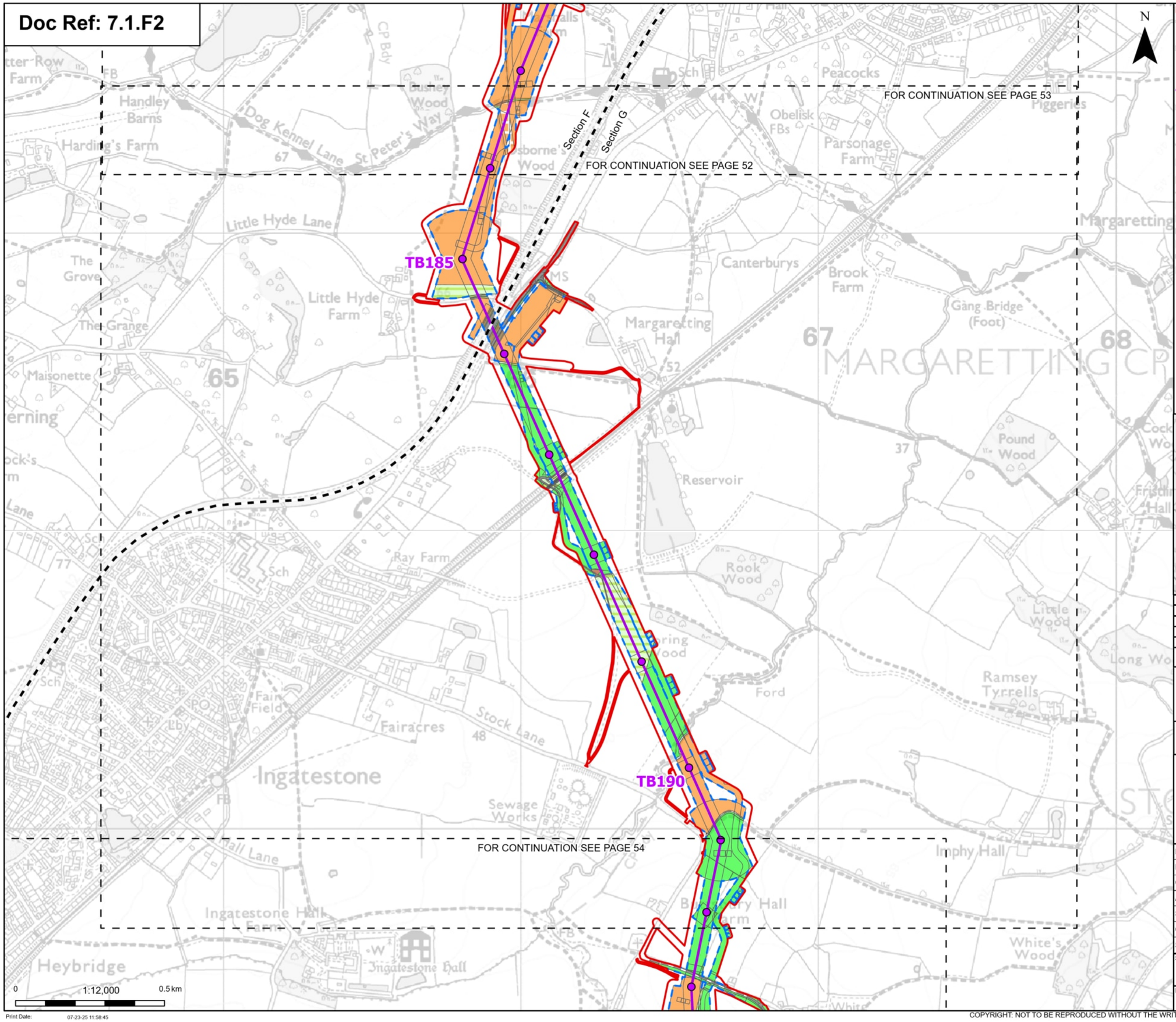
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:58:38

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland

- Arable field margins cultivated annually
- Cereal crops

Grassland

- Modified grassland
- Other neutral grassland

Heathland and shrub

- Mixed scrub

Urban

- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden

Sparsely vegetated land

- Tall forbs

Watercourse footprint

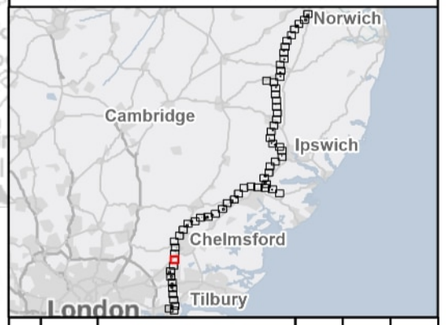
- Watercourse footprint

Woodland and forest

- Lowland mixed deciduous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 53 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

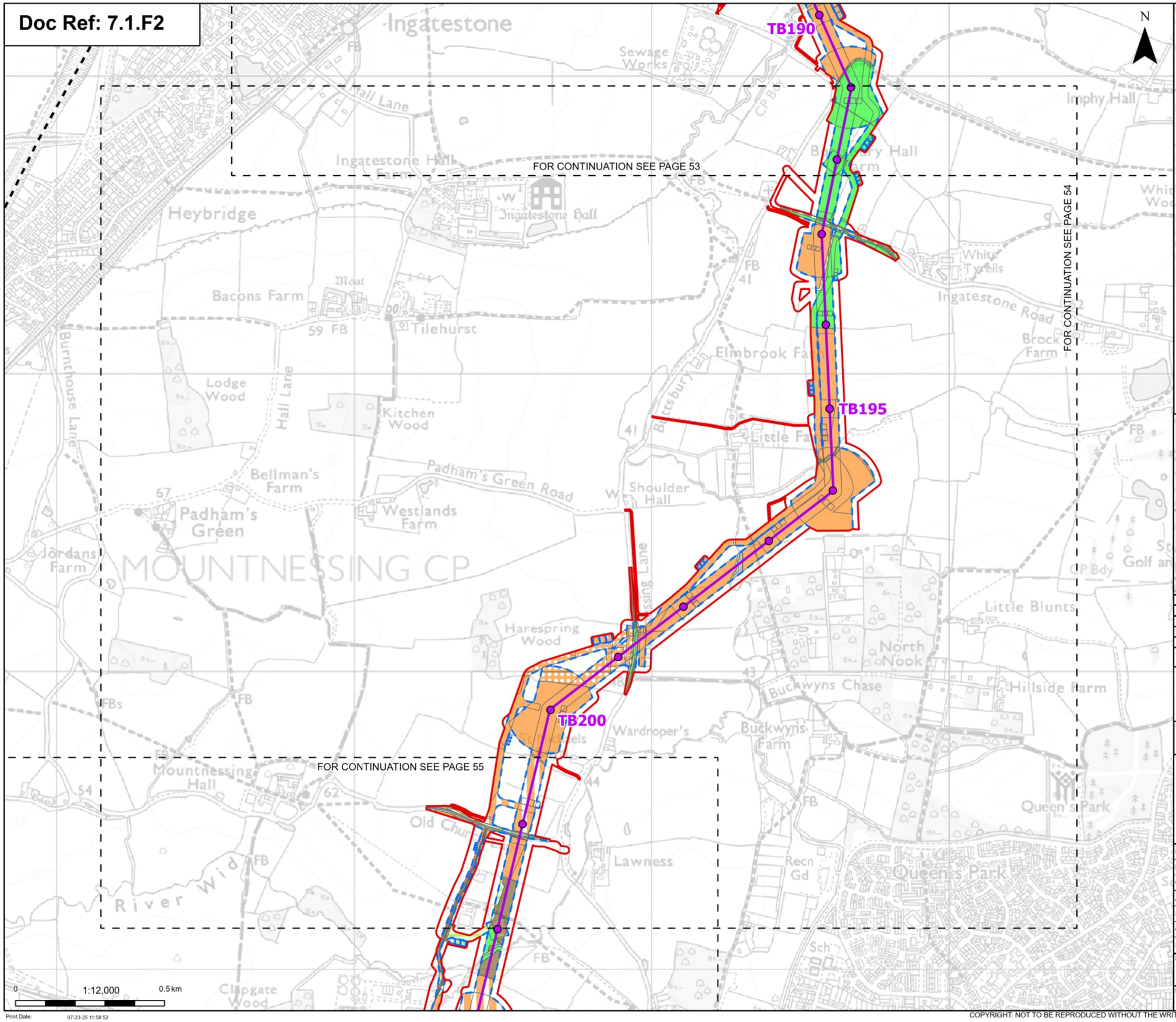
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:58:45

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline
- Project section line

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops
- Temporary grass and clover leys

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Blackthorn scrub
- Bramble scrub
- Mixed scrub

Urban
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden

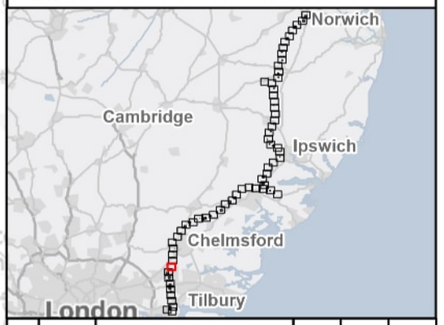
Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 54 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:58:52

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

TB200

TB205

TB210

FOR CONTINUATION SEE PAGE 54

FOR CONTINUATION SEE PAGE 55

FOR CONTINUATION SEE PAGE 55a

FOR CONTINUATION SEE PAGE 56

N

0 1:12,000 0.5 km

Print Date: 07-23-25 11:59:00

Order limits
Sheet index cutline
Project section line

Proposed project design details
Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints
Maximum construction boundary

Cropland
Arable field margins cultivated annually
Arable field margins game bird mix
Cereal crops
Non-cereal crops
Temporary grass and clover leys
Winter stubble

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Bramble scrub
Mixed scrub

Urban
Bare ground
Built linear features
Developed land; sealed surface

Sparsely vegetated land
Tall forbs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other coniferous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 55 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

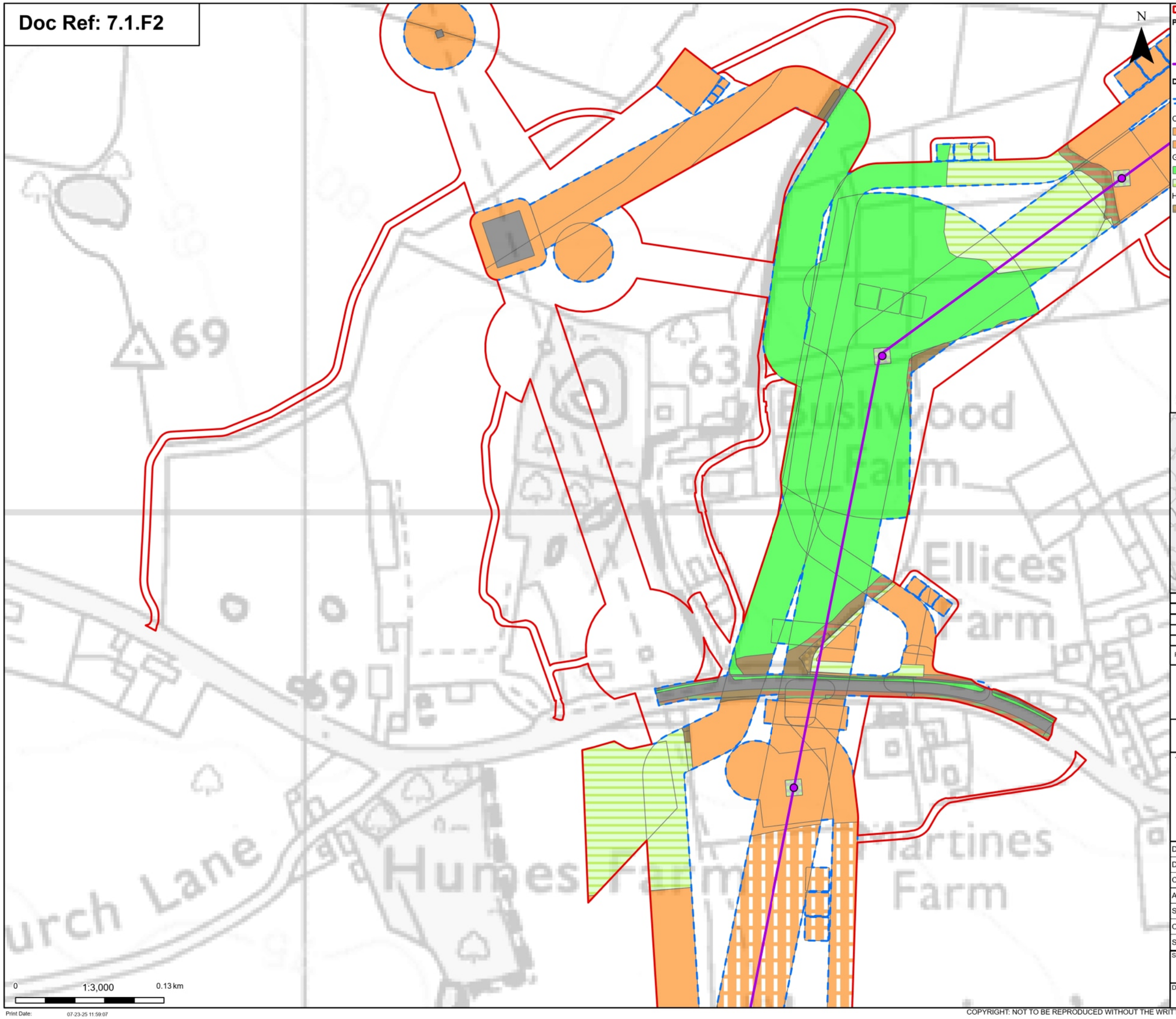
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 55a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

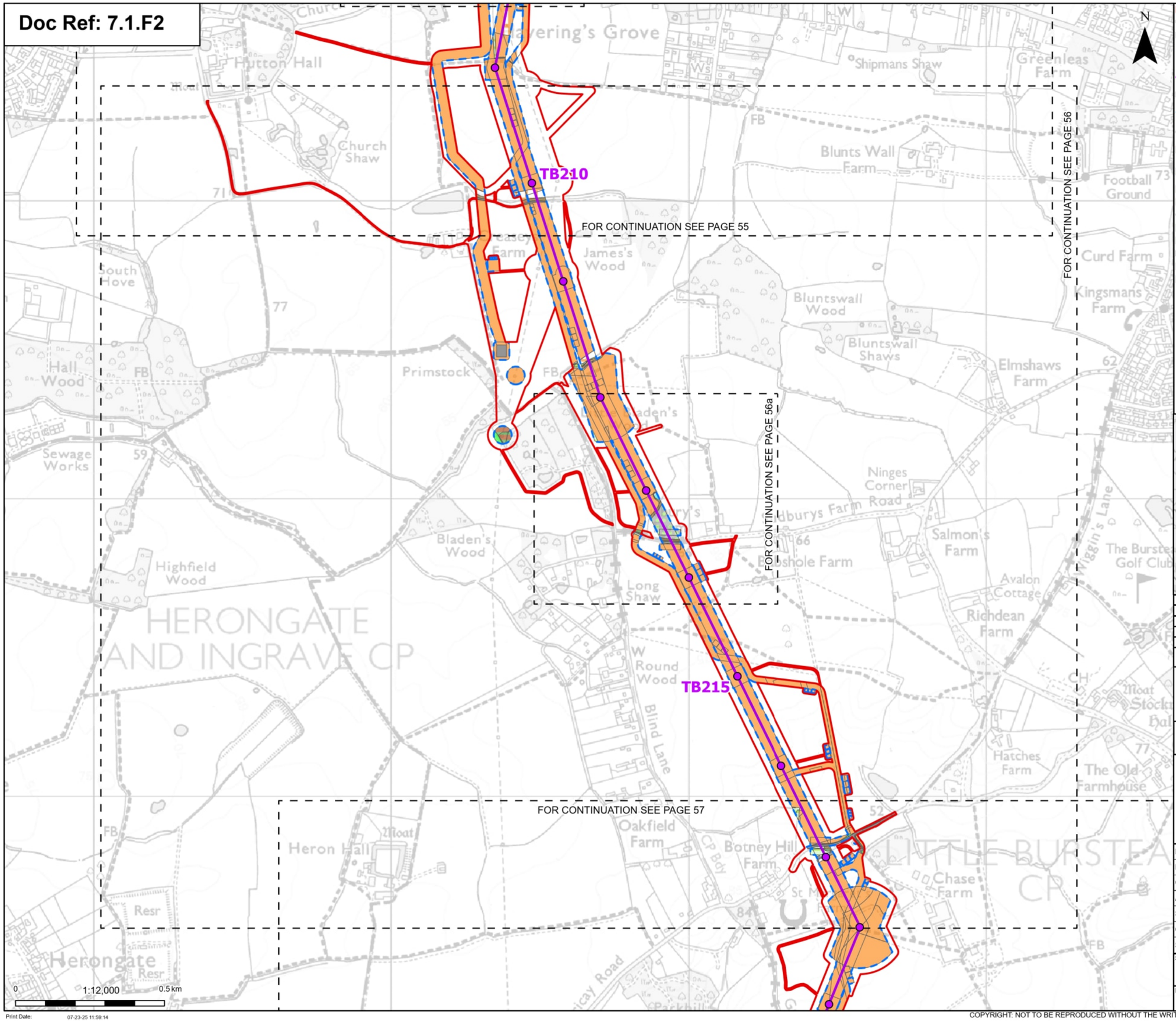
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:59:07

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



N

- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Arable field margins cultivated annually
- Arable field margins game bird mix
- Cereal crops
- Winter stubble

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 56 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

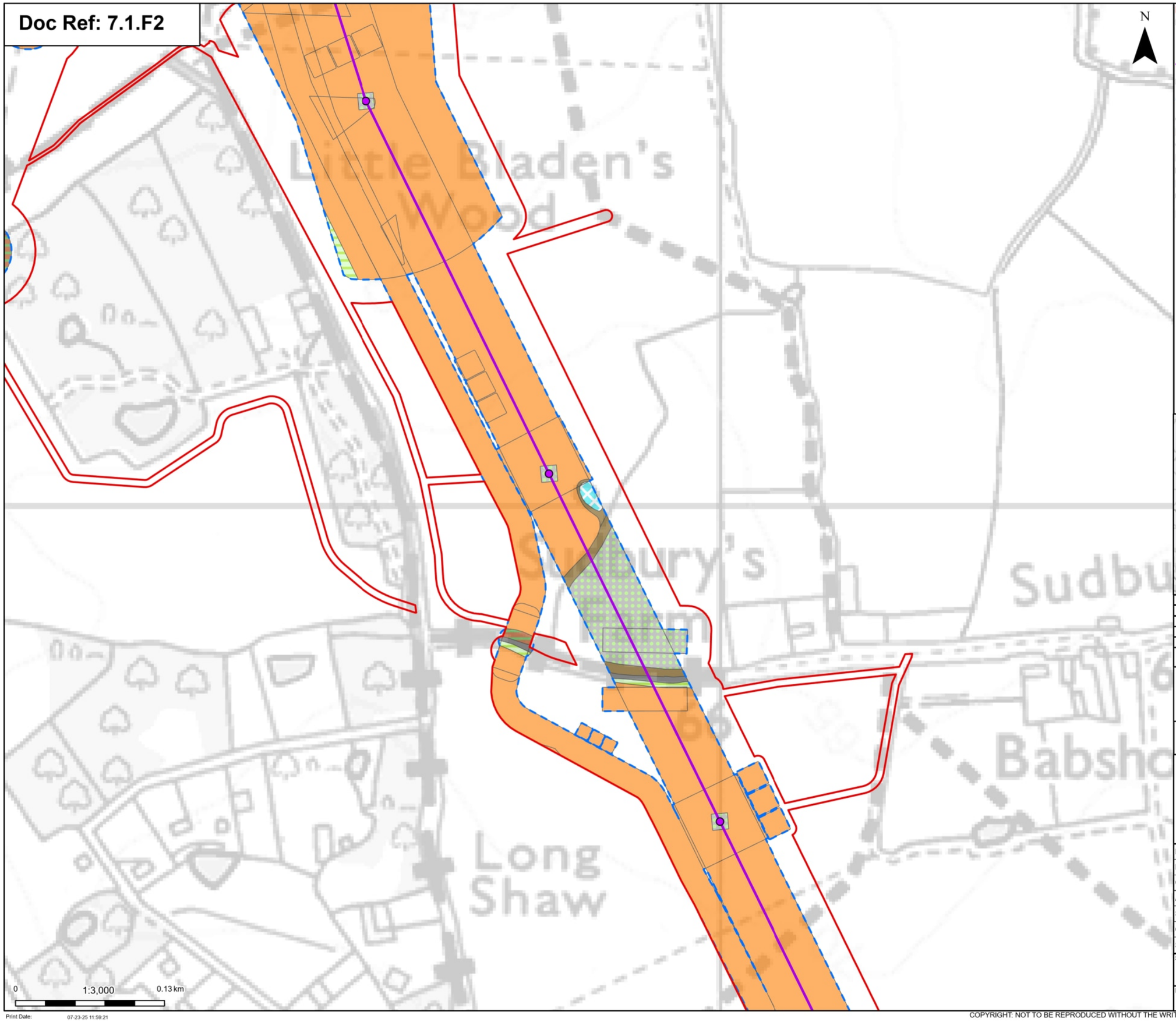
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:59:14

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



N

- Order limits

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Developed land; sealed surface

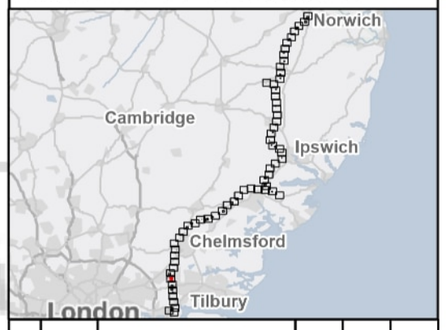
Sparsely vegetated land
- Tall forbs

Lakes
- Ponds (priority habitat)

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 56a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

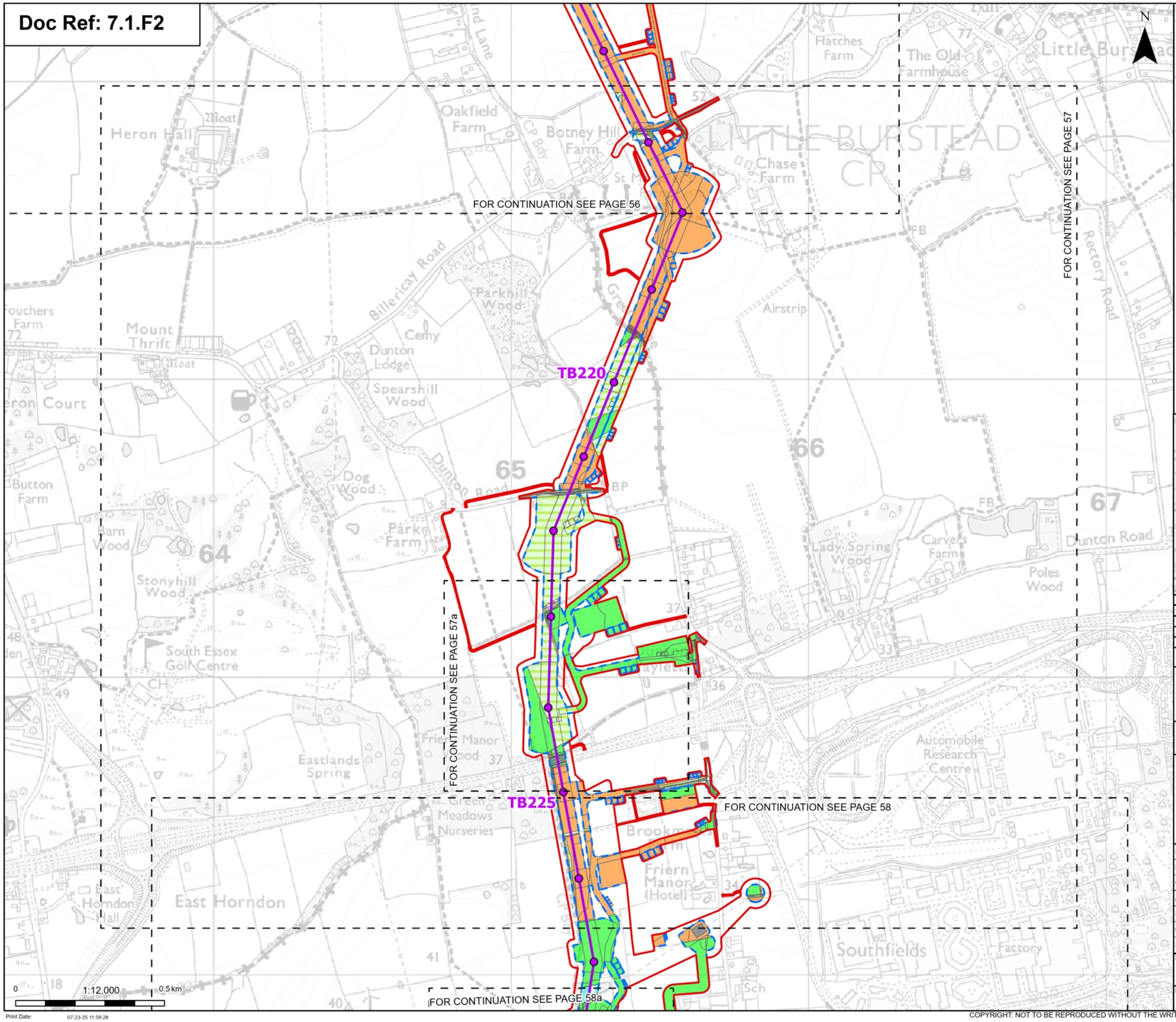
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:59:21

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed standard lattice pylon location
- Proposed overhead line alignment

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Mixed scrub

Urban
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Vegetated garden

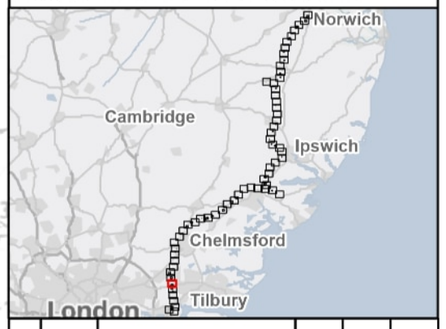
Sparsely vegetated land
- Tall forbs

Lakes
- Reservoirs

Woodland and forest
- Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 57 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

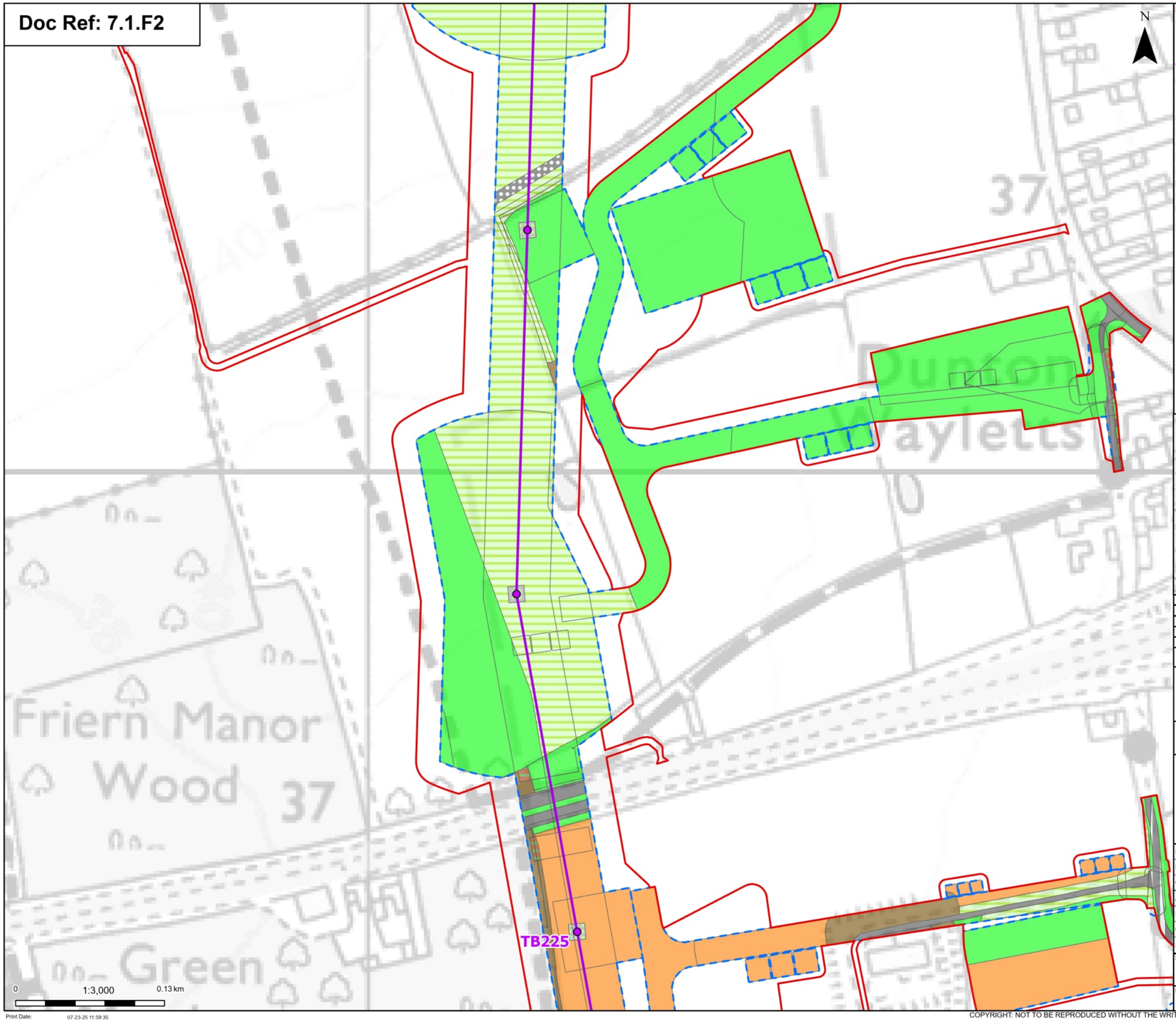
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:59:28

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Artificial unvegetated, unsealed surface

Built linear features

Developed land; sealed surface

Sparsely vegetated land

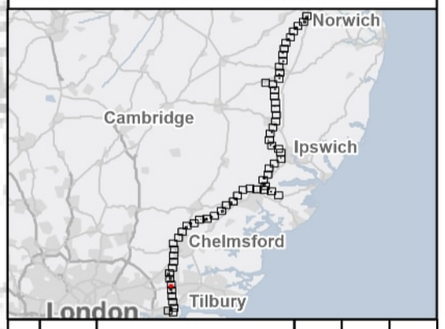
Tall forbs

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 57a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

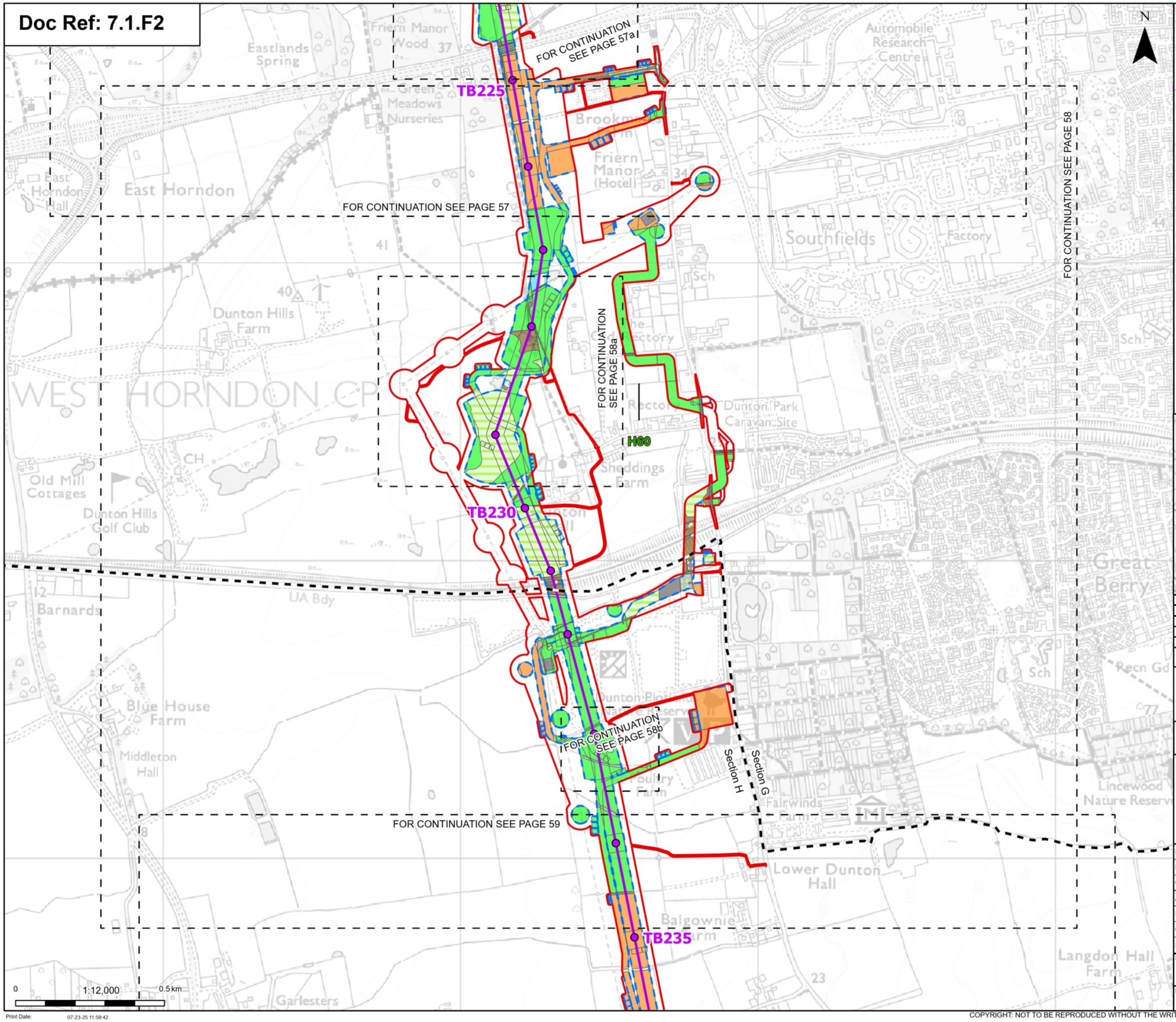
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:59:35

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 11:59:42

Order limits
Sheet index cutline
Project section line

Proposed project design details

Proposed standard lattice pylon location
Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Blackthorn scrub
Bramble scrub
Mixed scrub

Urban
Artificial unvegetated, unsealed surface
Built linear features
Developed land; sealed surface
Introduced shrub
Vegetated garden

Sparsely vegetated land
Tall forbs

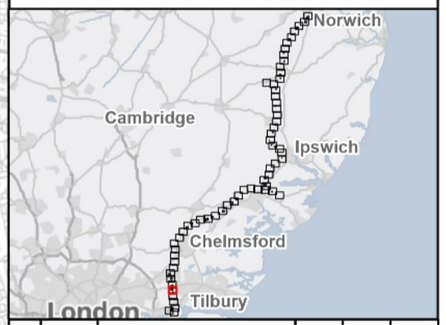
Lakes
Ponds (priority habitat)
Reservoirs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland
Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 58 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

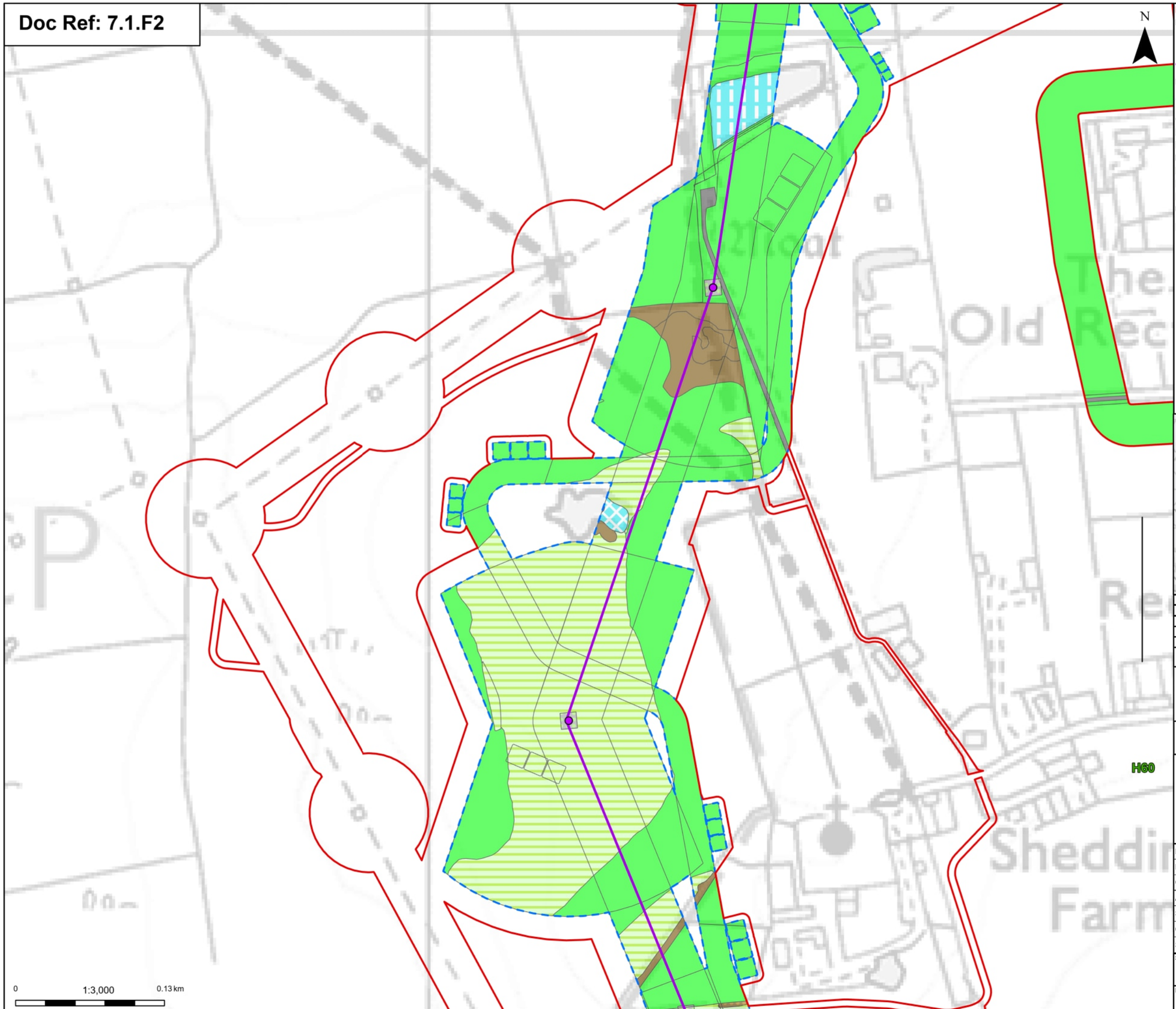
Suitability Description: Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Grassland

Modified grassland

Other neutral grassland

Heathland and shrub

Blackthorn scrub

Bramble scrub

Mixed scrub

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

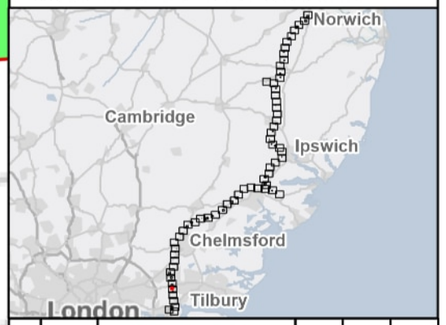
Reservoirs

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 58a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

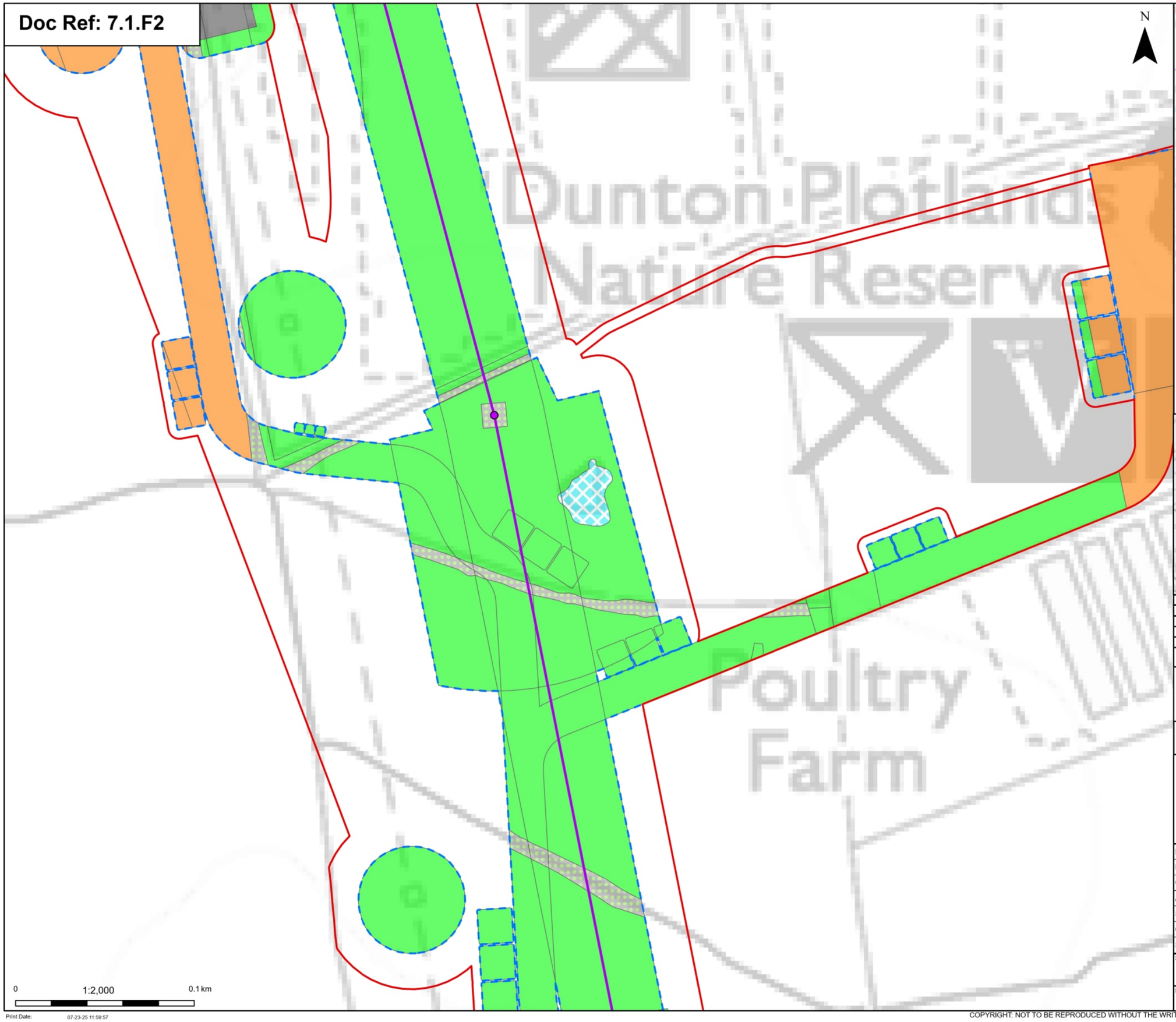
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:59:50

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits

Proposed project design details

Proposed standard lattice pylon location

Proposed overhead line alignment

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops

Grassland

Modified grassland

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

Ponds (priority habitat)

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:2,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:

Accepted as Concept Stage

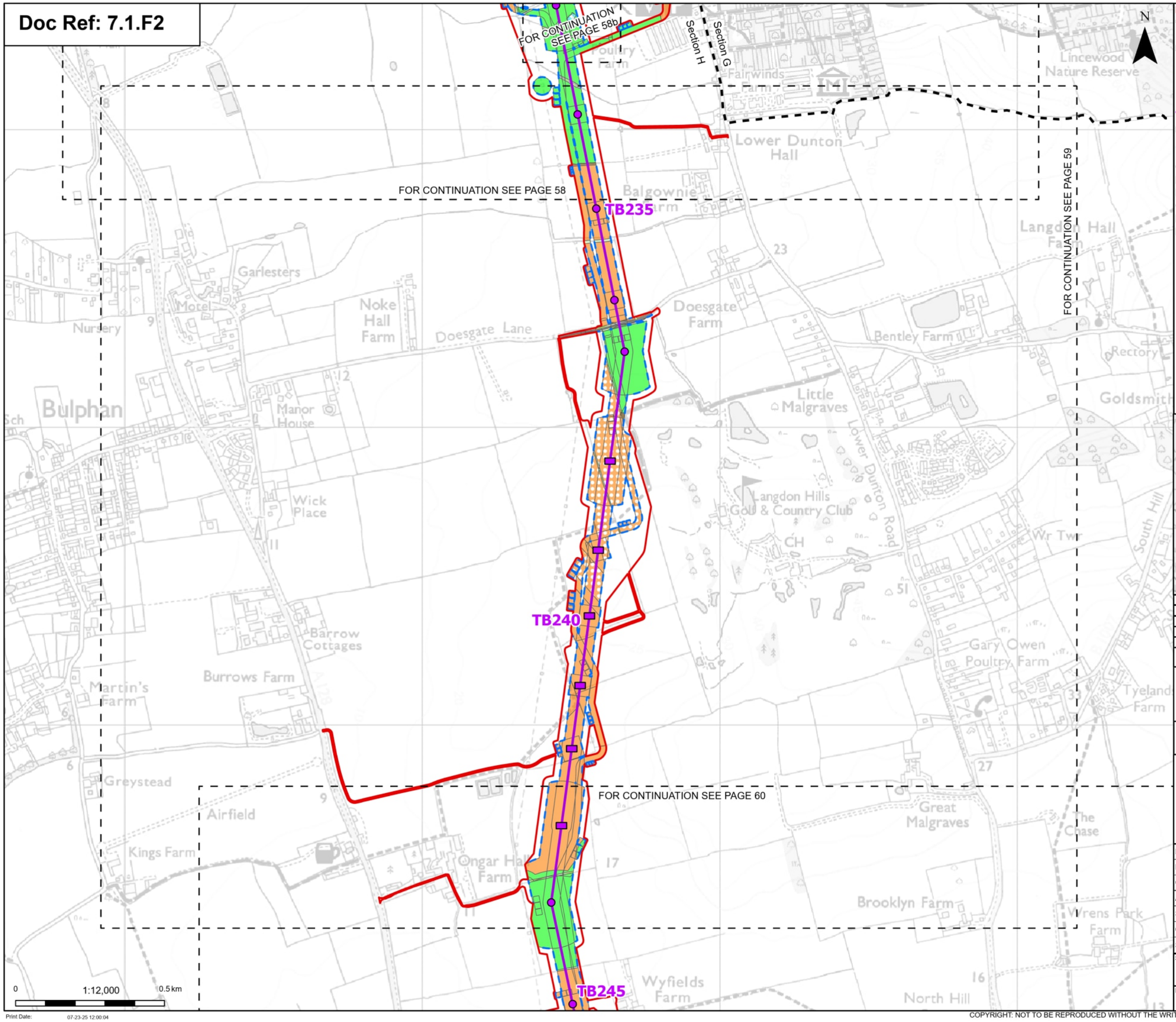
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 11:59:57

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



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

Discipline specific constraints

Maximum construction boundary

Cropland

Cereal crops
Non-cereal crops

Grassland

Modified grassland
Other neutral grassland

Heathland and shrub

Mixed scrub

Urban

Developed land; sealed surface

Sparsely vegetated land

Tall forbs

Lakes

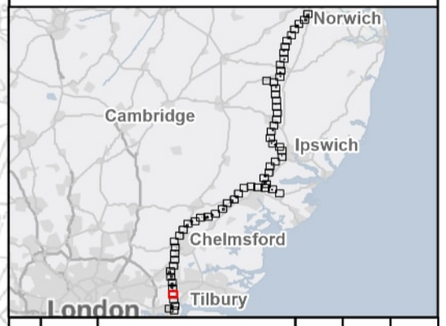
Ponds (priority habitat)

Woodland and forest

Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 59 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

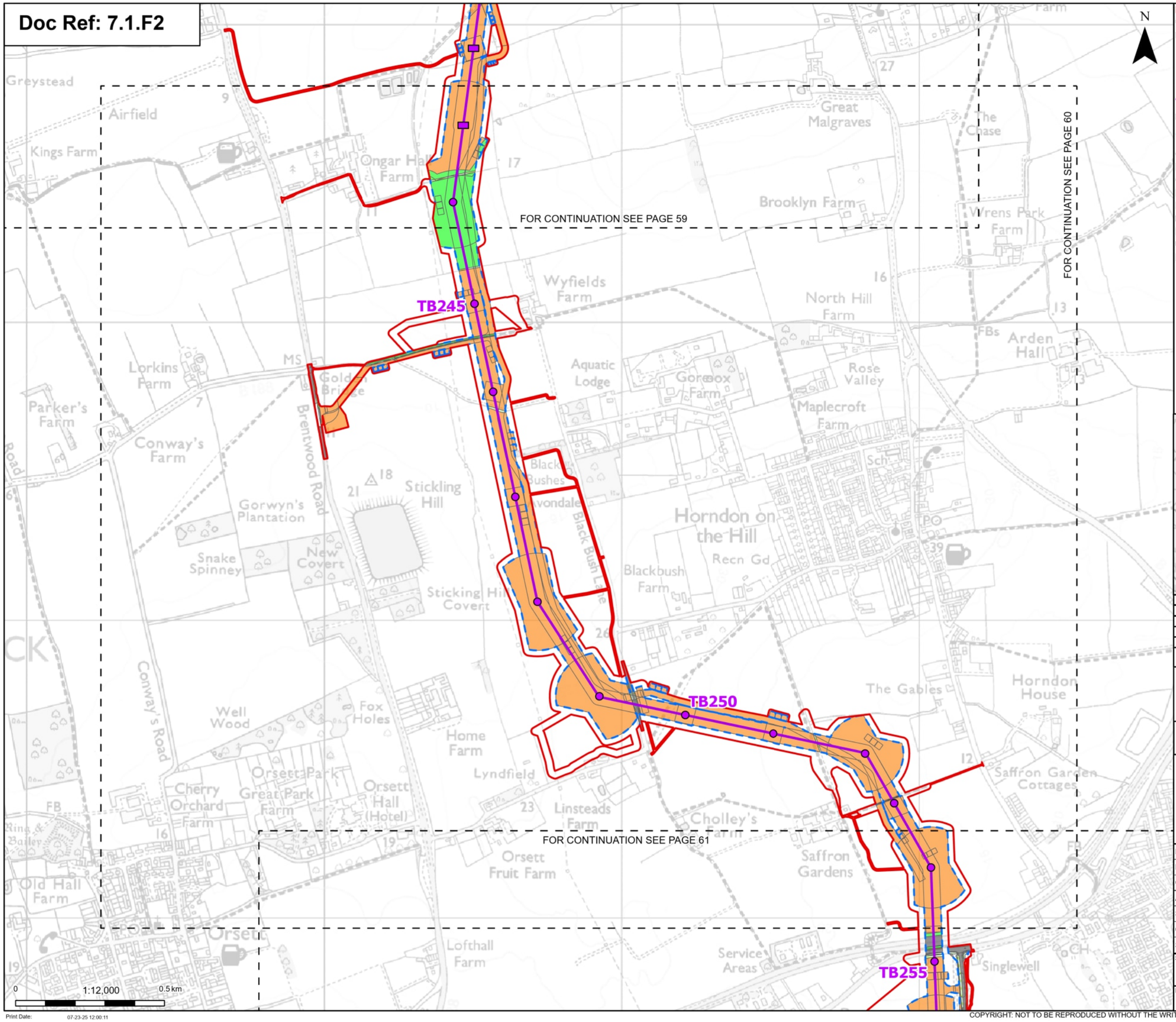
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 12:00:04

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Order limits
Sheet index cutline

Proposed project design details

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

Discipline specific constraints

Maximum construction boundary

Cropland
Cereal crops

Grassland
Modified grassland
Other neutral grassland

Heathland and shrub
Mixed scrub

Urban
Bare ground
Built linear features
Developed land; sealed surface
Vegetated garden

Sparsely vegetated land
Tall forbs

Watercourse footprint
Watercourse footprint

Woodland and forest
Lowland mixed deciduous woodland

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 60 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

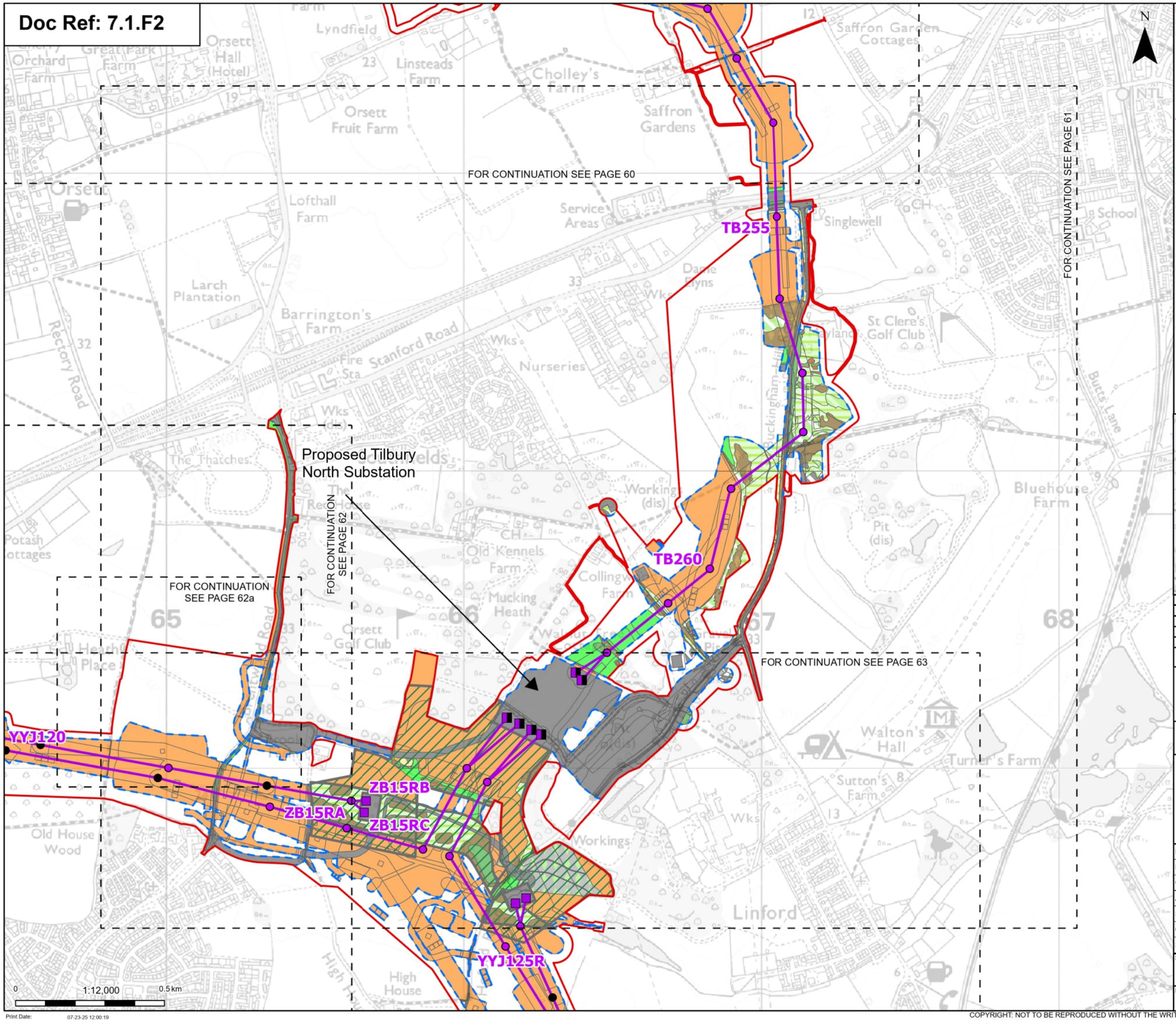
Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

Print Date: 07-23-25 12:00:11

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- 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
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Lowland dry acid grassland
- Lowland meadows
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Gorse scrub
- Hawthorn scrub
- Mixed scrub

Urban
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Open mosaic habitats on previously developed land
- Sustainable drainage system
- Vacant or derelict land
- Vegetated garden

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

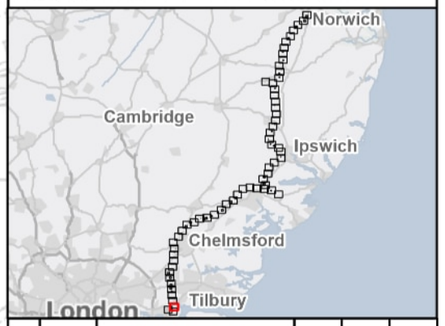
Lakes
- Ponds (priority habitat)
- Reservoirs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 61 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

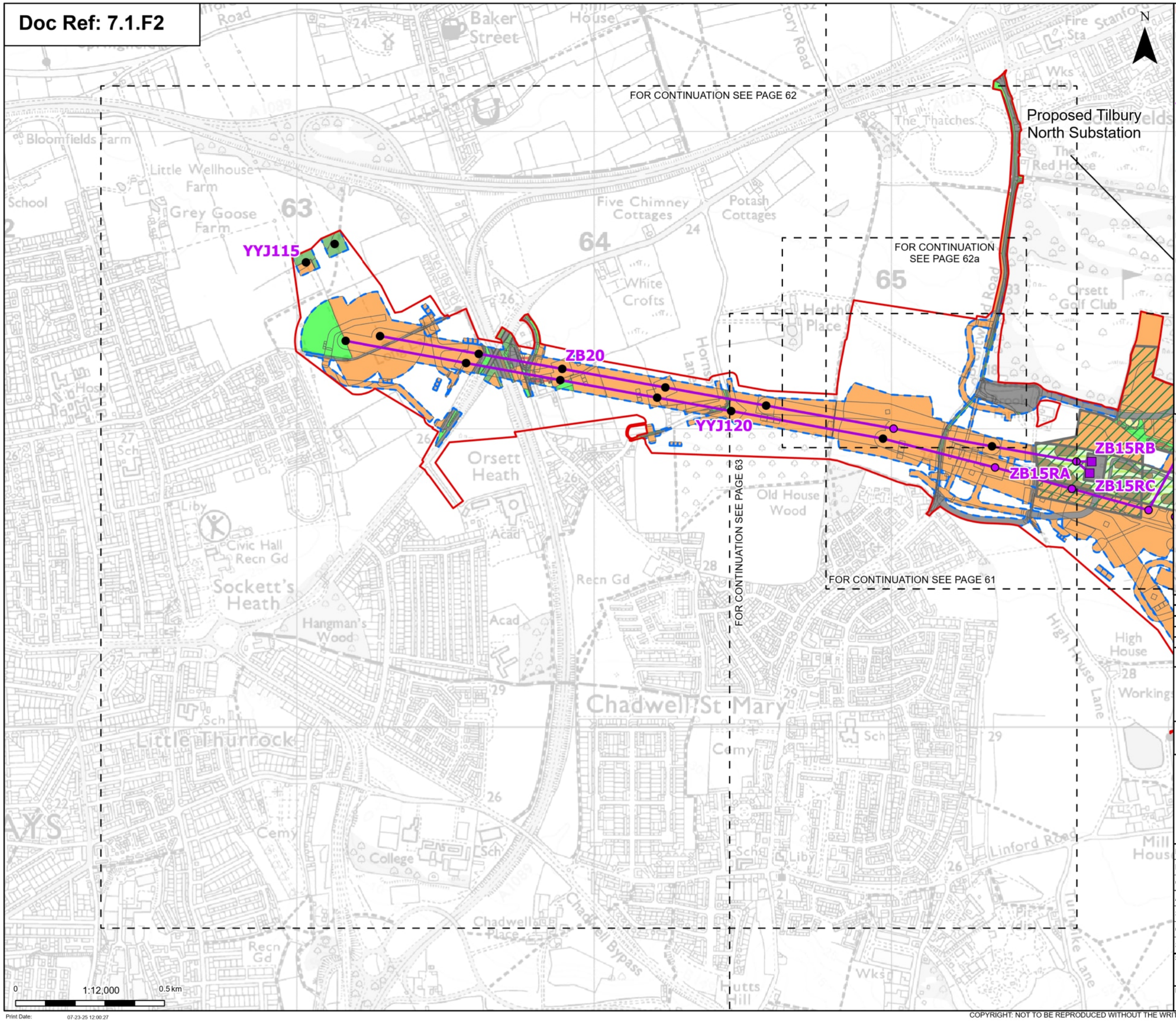
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 12:00:19

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



- Order limits
- Sheet index cutline

Proposed project design details

- Proposed low duty gantry
- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

Urban
- Actively worked sand pit quarry or open cast mine
- Built linear features
- Developed land; sealed surface
- Sustainable drainage system
- Vegetated garden

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK

Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 62 of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description: Accepted as Concept Stage

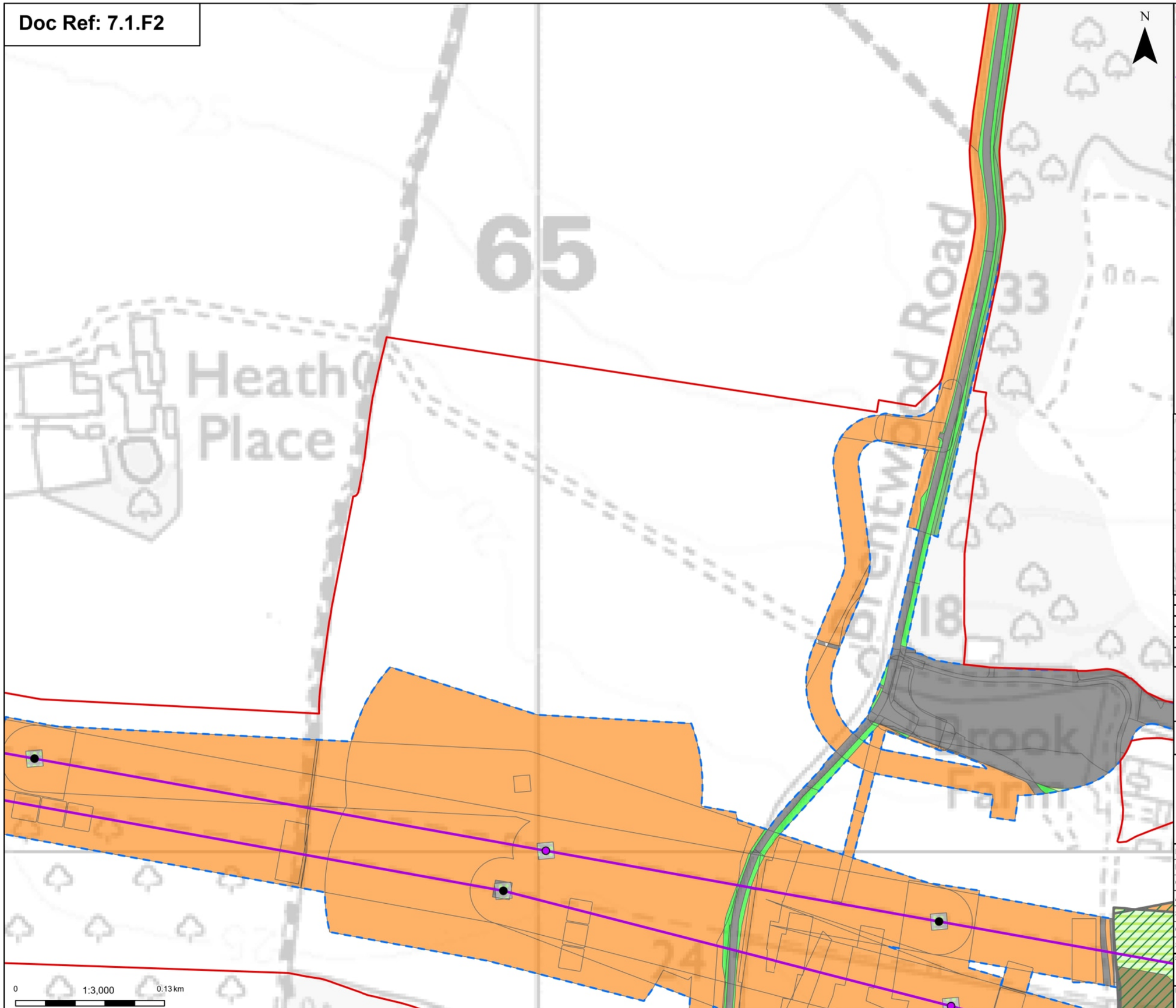
Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

Print Date: 07-23-25 12:00:27

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2



Print Date: 07-23-25 12:00:35

Order limits

Proposed project design details

- Existing pylon (modify)
- Proposed standard lattice pylon location
- Proposed overhead line alignment
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops

Grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Mixed scrub

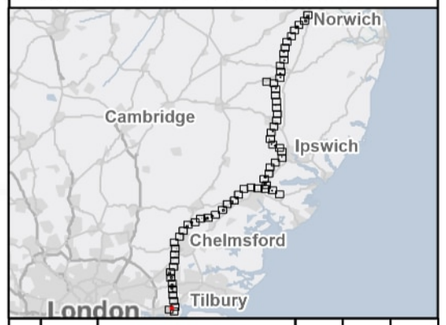
Urban
- Built linear features
- Developed land; sealed surface

Sparsely vegetated land
- Tall forbs

Woodland and forest
- Other woodland; broadleaved

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 62a of 63

Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:3,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766

Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Doc Ref: 7.1.F2

FOR CONTINUATION SEE PAGE 62a
FOR CONTINUATION SEE PAGE 63
FOR CONTINUATION SEE PAGE 61
FOR CONTINUATION SEE PAGE 62

YYJ120
ZB15RB
ZB15RA
ZB15RC
YYJ125R
ZB10
YYJ130

N

0 1:12,000 0.5 km

Print Date: 07-23-25 12:00:39

- 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
- Environmental area

Discipline specific constraints

- Maximum construction boundary

Cropland
- Cereal crops
- Non-cereal crops

Grassland
- Lowland dry acid grassland
- Modified grassland
- Other neutral grassland

Heathland and shrub
- Bramble scrub
- Hawthorn scrub
- Mixed scrub

Urban
- Actively worked sand pit quarry or open cast mine
- Artificial unvegetated, unsealed surface
- Bare ground
- Built linear features
- Developed land; sealed surface
- Open mosaic habitats on previously developed land
- Sustainable drainage system
- Vacant or derelict land
- Vegetated garden

Sparsely vegetated land
- Ruderal/Ephemeral
- Tall forbs

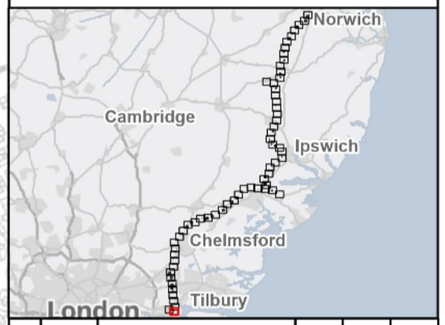
Lakes
- Reservoirs

Watercourse footprint
- Watercourse footprint

Woodland and forest
- Lowland mixed deciduous woodland
- Other coniferous woodland
- Other woodland; broadleaved
- Other woodland; mixed

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

Notes: © Crown copyright and database rights 2025 Ordnance Survey AC0000808122, Contains public sector information licensed under the Open Government Licence v3.0, © National Grid UK



Rev	Date	Description	Drawn	Check	Approv
A	Aug 2025	FOR DCO APPLICATION	OT	TM	EP

nationalgrid

PROJECT: Norwich to Tilbury

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

Title:

Figure 7.1.2 -
UK Habitat Classification Map
(post-development)
Page 63 of 63

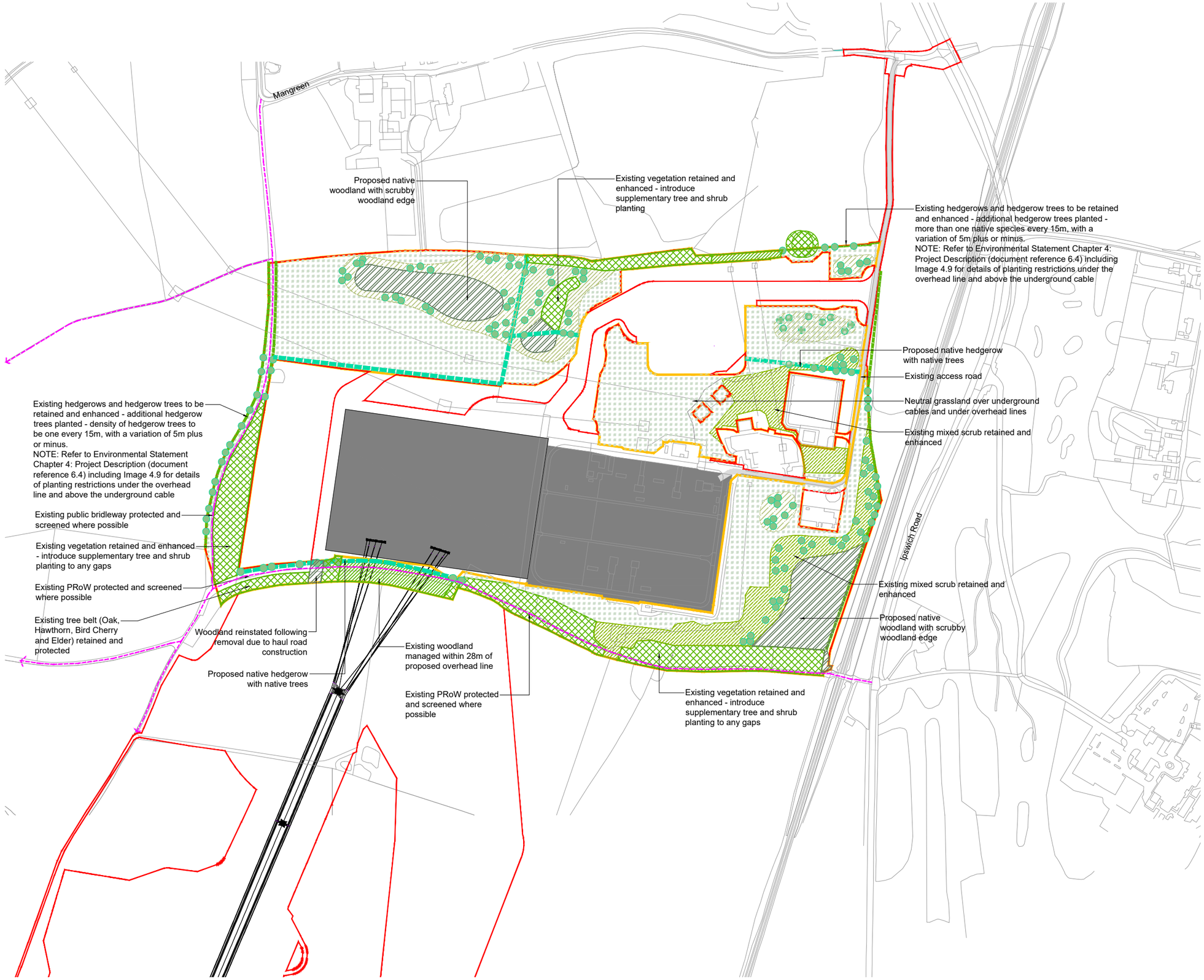
Designed	T.Meaden	Date	21 Aug 25
Drawn	O.Thomas	Date	21 Aug 25
Checked	T.Meaden	Date	21 Aug 25
Approved	E.Pickering	Date	21 Aug 25
Scale:	1:12,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:
Accepted as Concept Stage

Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00766
Revision: A

COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID ELECTRICITY TRANSMISSION Plc

Appendix A
Landscaping Plans



NOTES:
1. For Substation/ CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined)

Site

- Order Limits
- Extent of the Environmental Area
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced — Introduce supplementary tree and shrub planting
- EV-2 Existing Vegetation to be managed under overhead lines - Details to be confirmed
- EV-3 Existing Hedgerow retained and enhanced — Supplement any gaps with native hedgerow and tree species
- EV-4 Retained and enhanced scrub — Existing scrub supplemented with native scrub mix
- PV-1 Proposed Native Woodland Mix — To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees — To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix — Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow — To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland — Seed mixes to be site specific and specified at detailed design stage

Rev	Date	Description	Drn	Chk	App
A	Aug 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:5000
0 50 100 150 200 250m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

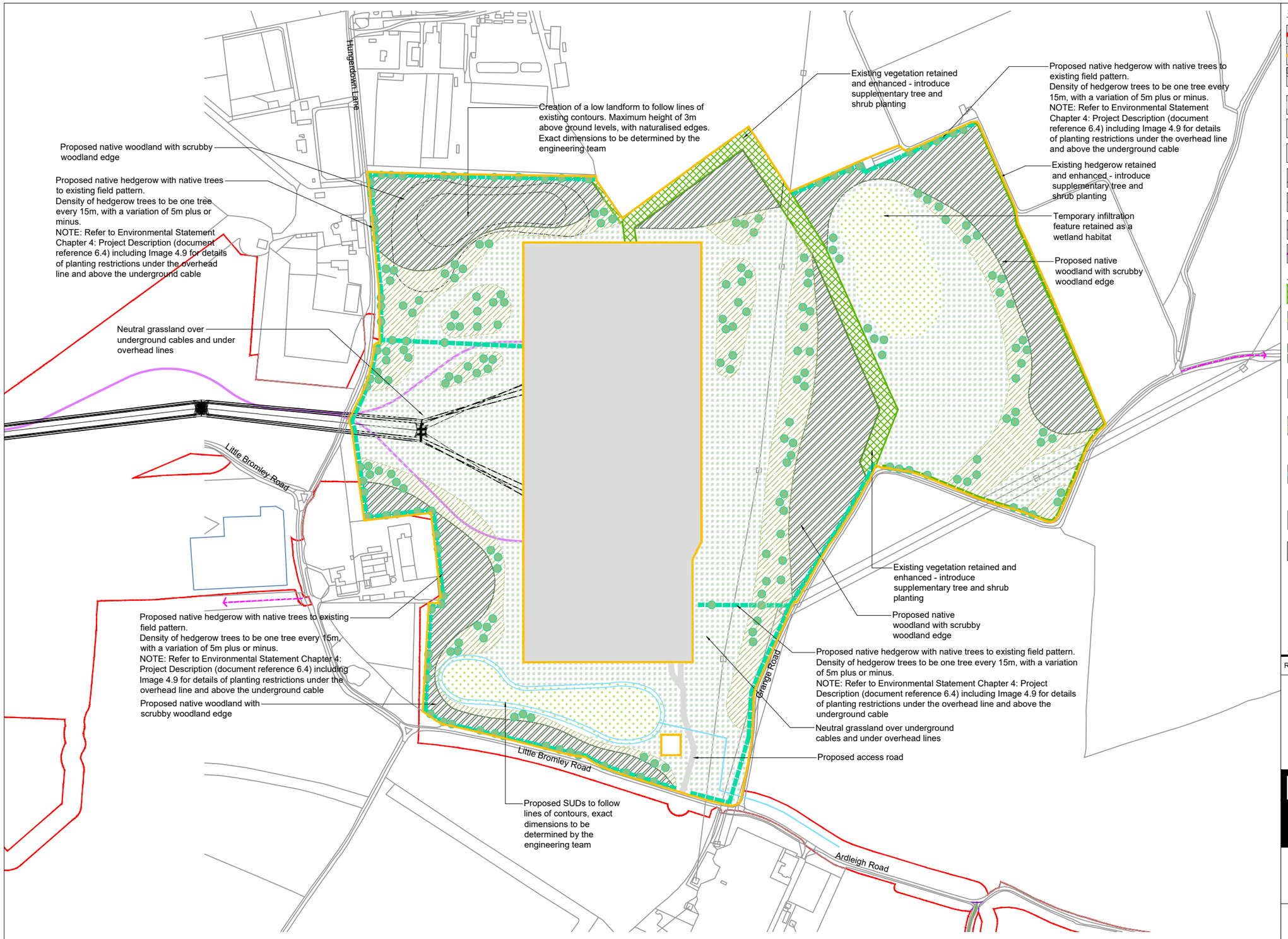
Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:5000	S1

Drawing Title
Norwich Substation
Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0001	A



Site

- Order Limits
- Extent of the Environmental Area
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed surface water attenuation drainage pond
- Proposed outfall alignment (Refer to the engineering team's drawings)
- Proposed spoil bund
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Proposed underground cabling (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced
  Introduce supplementary tree and shrub planting
- EV-3 Existing Hedgerow retained and enhanced
  Supplement any gaps with native hedgerow and tree species
- PV-1 Proposed Native Woodland Mix
  To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees
  To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix
  Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow
  To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland
  Seed mixes to be site specific and specified at detailed design stage
- PV-6 Emergent Marginal Planting
  Wetland seed mix around the proposed SuDs and wetland habitat areas- to favour amphibians and invertebrates use of ponds

NOTES:
1. For Substation / CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined).
3. Detailed design to co-ordinate with details of underground cable routes of customer connections (North Falls and Five Estuaries Offshore Wind Farms). No planting shall be within 10 m of underground cables.

Rev	Date	Description	Drn	Chk	App
A	Aug 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:5000
0 50 100 150 200 250m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:5000	S1

Drawing Title
EACN Substation
Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0003	A

Proposed neutral grassland over underground cables and under overhead lines

Proposed native woodland with scrubby woodland edge to screen the CSE compound from the PROW located to the west.

Proposed SUDs to follow lines of the contours, exact dimensions to be determined by the engineering team

Proposed native woodland with scrubby woodland edge

Retain existing native hedgerow, supplement any gaps with native hedgerow species and and hedgerow trees. Hedgerow trees to be planted at a density of one every 15m, with a variation of 5m plus or minus.
NOTE: Refer to Environmental Statement Chapter 4: Project Description (document reference 6.4) including Image 4.9 for details of planting restrictions under the overhead line and above the underground cable

Creation of a low landform to follow lines of existing contours. Maximum height of 3m above ground levels, with naturalised edges. Exact dimensions to be determined by the engineering team

Proposed native woodland with scrubby woodland edge

Existing vegetation retained and enhanced - introduce supplementary tree and shrub planting

Hadleigh Railway Walk

Existing vegetation retained and enhanced - introduce supplementary tree and shrub planting

Proposed line of native shrub introduced to the edge of the existing vegetation

Proposed Neutral Grassland over underground cabling and under overhead lines

Proposed Access Road

Proposed native hedgerow with native trees. Hedgerow trees to be planted at a density of one tree every 15m, with a variation of 5m plus or minus.
NOTE: Refer to Environmental Statement Chapter 4: Project Description (document reference 6.4) including Image 4.9 for details of planting restrictions under the overhead line and above the underground cable

Raydon Road

Proposed native hedgerow with native trees to Raydon Road Hedgerow trees to be planted at a density of one tree every 15m, with a variation of 5m plus or minus.
NOTE: Refer to Environmental Statement Chapter 4: Project Description (document reference 6.4) including Image 4.9 for details of planting restrictions under the overhead line and above the underground cable

NOTES:
1. For Substation/ CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined)

Site

- Order Limits
- Extent of the Environmental Area
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed surface water attenuation drainage pond
- Proposed outfall alignment (Refer to the engineering team's drawings)
- Proposed drainage outfall location (Refer to the engineering team's drawings)
- Proposed spoil bund
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Proposed underground cabling (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced
  Introduce supplementary tree and shrub planting
- EV-3 Existing Hedgerow retained and enhanced
  Supplement any gaps with native hedgerow and tree species
- PV-1 Proposed Native Woodland Mix
  To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees
  To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix
  Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow
  To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland
  Seed mixes to be site specific and specified at detailed design stage
- PV-6 Emergent Marginal Planting
  Wetland seed mix around the proposed SuDs - to favour amphibians and invertebrates use of ponds

Rev	Date	Description	Drn	Chk	App
A	AUG 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:2500
0 20 40 60 80 100 120m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

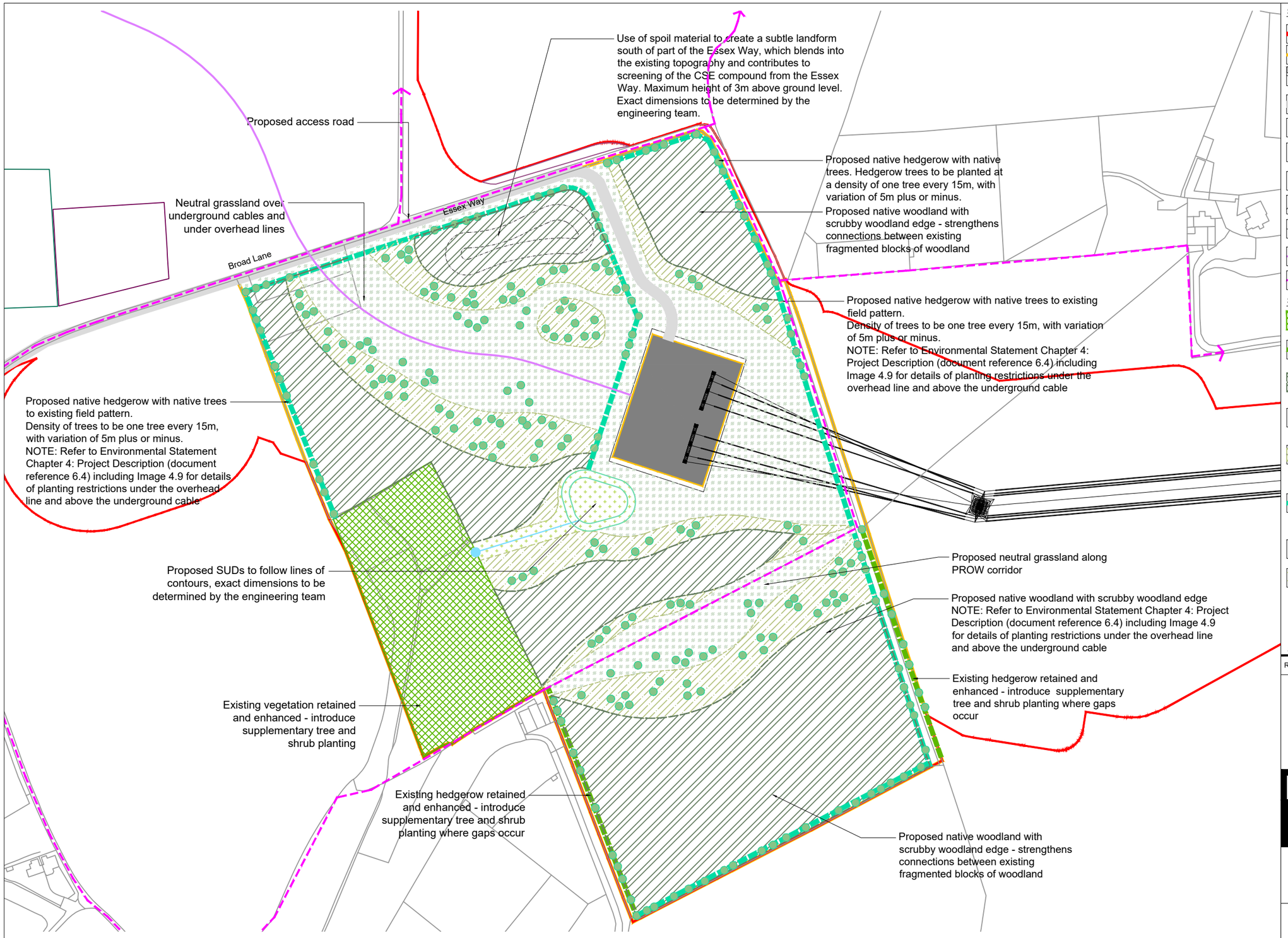
Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:2500	S1

Drawing Title
Wenham Grove CSE Compound
Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0006	A



NOTES:
1. For Substation/ CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined)

Site

- Order Limits
- Extent of the Environmental Area
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed surface water attenuation drainage pond
- Proposed outfall alignment (Refer to the engineering team's drawings)
- Proposed drainage outfall location (Refer to the engineering team's drawings)
- Proposed spoil bund
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Proposed underground cabling (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced — Introduce supplementary tree and shrub planting
- EV-3 Existing Hedgerow retained and enhanced — Supplement any gaps with native hedgerow and tree species
- PV-1 Proposed Native Woodland Mix — To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees — To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix — Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow — To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland — Seed mixes to be site specific and specified at detailed design stage
- PV-6 Emergent Marginal Planting — Wetland seed mix around the proposed SuDs - to favour amphibians and invertebrates use of ponds

Rev	Date	Description	Drn	Chk	App
A	AUG 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:2500
0 20 40 60 80 100 120m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

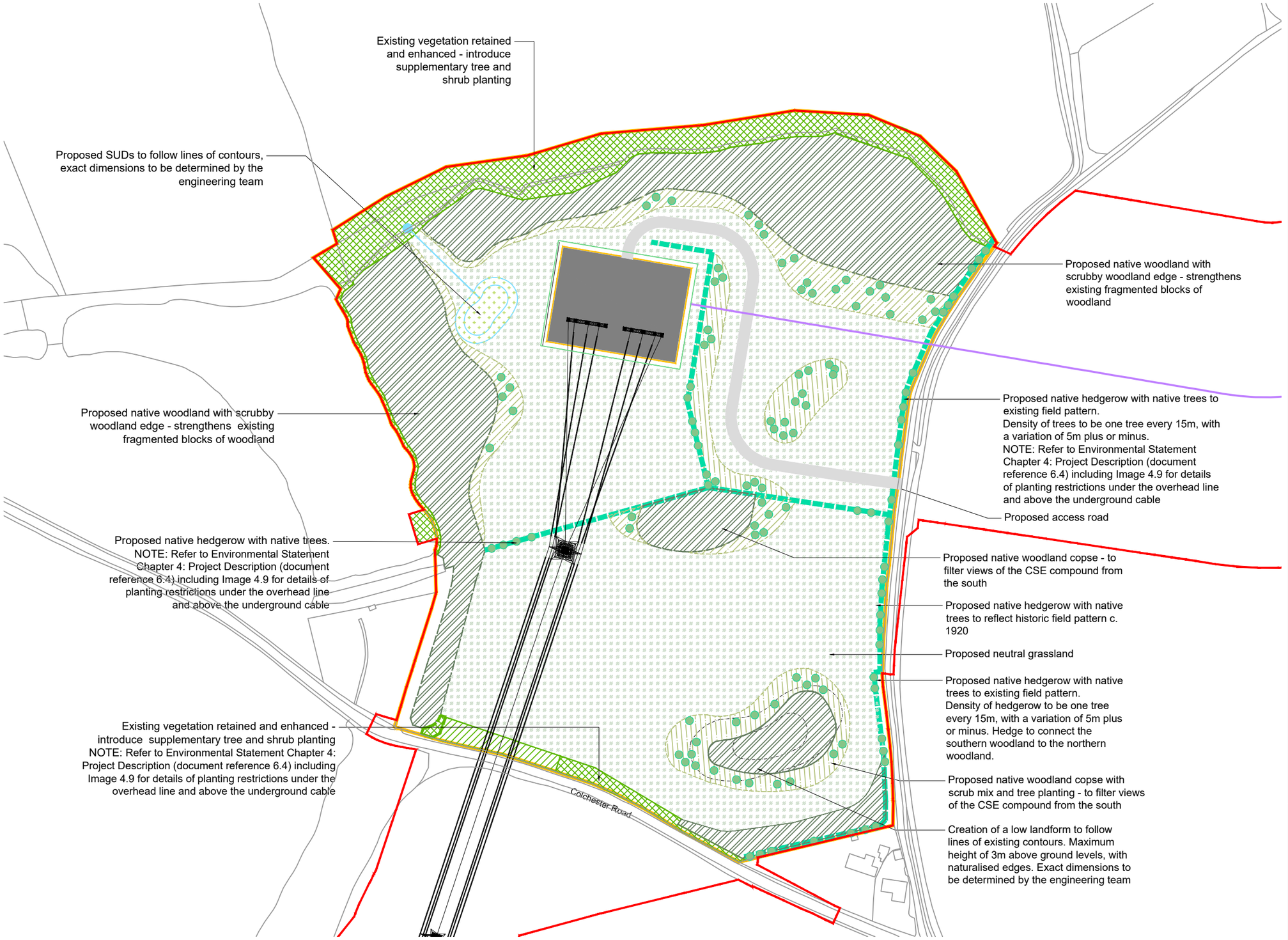
Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:2500	S1

Drawing Title
Great Horkesley (EACN side)
CSE Compound - Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0007	A



NOTES:
1. For Substation/ CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined)

Site

- Order Limits
- Extent of the Environmental Area
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed surface water attenuation drainage pond
- Proposed outfall alignment (Refer to the engineering team's drawings)
- Proposed drainage outfall location (Refer to the engineering team's drawings)
- Proposed spoil bund
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Proposed underground cabling (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced — Introduce supplementary tree and shrub planting
- EV-2 Existing Vegetation to be managed under overhead lines - Details to be confirmed
- EV-3 Existing Hedgerow retained and enhanced — Supplement any gaps with native hedgerow and tree species
- PV-1 Proposed Native Woodland Mix — To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees — To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix — Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow — To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland — Seed mixes to be site specific and specified at detailed design stage
- PV-6 Emergent Marginal Planting — Wetland seed mix around the proposed SuDs - to favour amphibians and invertebrates use of ponds

Rev	Date	Description	Drn	Chk	App
A	AUG 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:2500
0 20 40 60 80 100 120m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:2500	S1

Drawing Title
Great Horkesley (Tilbury side)
CSE Compound - Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0008	A

Creation of a low landform to follow lines of existing contours. Maximum height of 3m above ground levels, with naturalised edges. Exact dimensions to be determined by the engineering team

Proposed access road

Proposed SUDs to follow lines of contours, exact dimensions to be determined by the engineering team

Proposed native woodland with scrubby woodland edge

Fairstead Road

Proposed native hedgerow with native trees to offset from existing field boundary to create 'green lane' for the existing bridleway to help screen views of the CSE compound.
Density of trees to be one every 15m, with a variation of 5m plus or minus.
NOTE: Refer to Environmental Statement Chapter 4: Project Description (document reference 6.4) including Image 4.9 for details of planting restrictions under the overhead line and above the underground cable

Proposed native woodland with scrubby woodland edge - strengthens connections between existing fragmented blocks of woodland

Neutral grassland over underground cables and under overhead lines

Proposed native scrub with tree planting - strengthens connections between existing fragmented blocks of woodland

Neural grassland over underground cables and under overhead lines

Proposed native woodland with scrubby woodland edge - strengthens connections between existing fragmented blocks of woodland

Creation of a low landform to follow lines of existing contours. Maximum height of 3m above ground levels, with naturalised edges. Exact dimensions to be determined by the engineering team

Proposed SUDs to follow lines of contours, exact dimensions to be determined by the engineering team

Existing vegetation/ hedgerow retained and enhanced

Proposed deciduous woodland with scrubby woodland edge

Existing vegetation retained and enhanced - introduce supplementary tree and shrub planting

NOTES:
1. For Substation/ CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined)

Site

- Order Limits
- Extent of the Environmental Area
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed surface water attenuation drainage pond
- Proposed outfall alignment (Refer to the engineering team's drawings)
- Proposed drainage outfall location (Refer to the engineering team's drawings)
- Proposed spoil bund
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Proposed underground cabling (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced
  Introduce supplementary tree and shrub planting
- EV-3 Existing Hedgerow retained and enhanced
  Supplement any gaps with native hedgerow and tree species
- PV-1 Proposed Native Woodland Mix
  To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees
  To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix
  Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow
  To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland
  Seed mixes to be site specific and specified at detailed design stage
- PV-6 Emergent Marginal Planting
  Wetland seed mix around the proposed SuDs - to favour amphibians and invertebrates use of ponds

Rev	Date	Description	Drn	Chk	App
A	AUG 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:2500
0 20 40 60 80 100 120m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

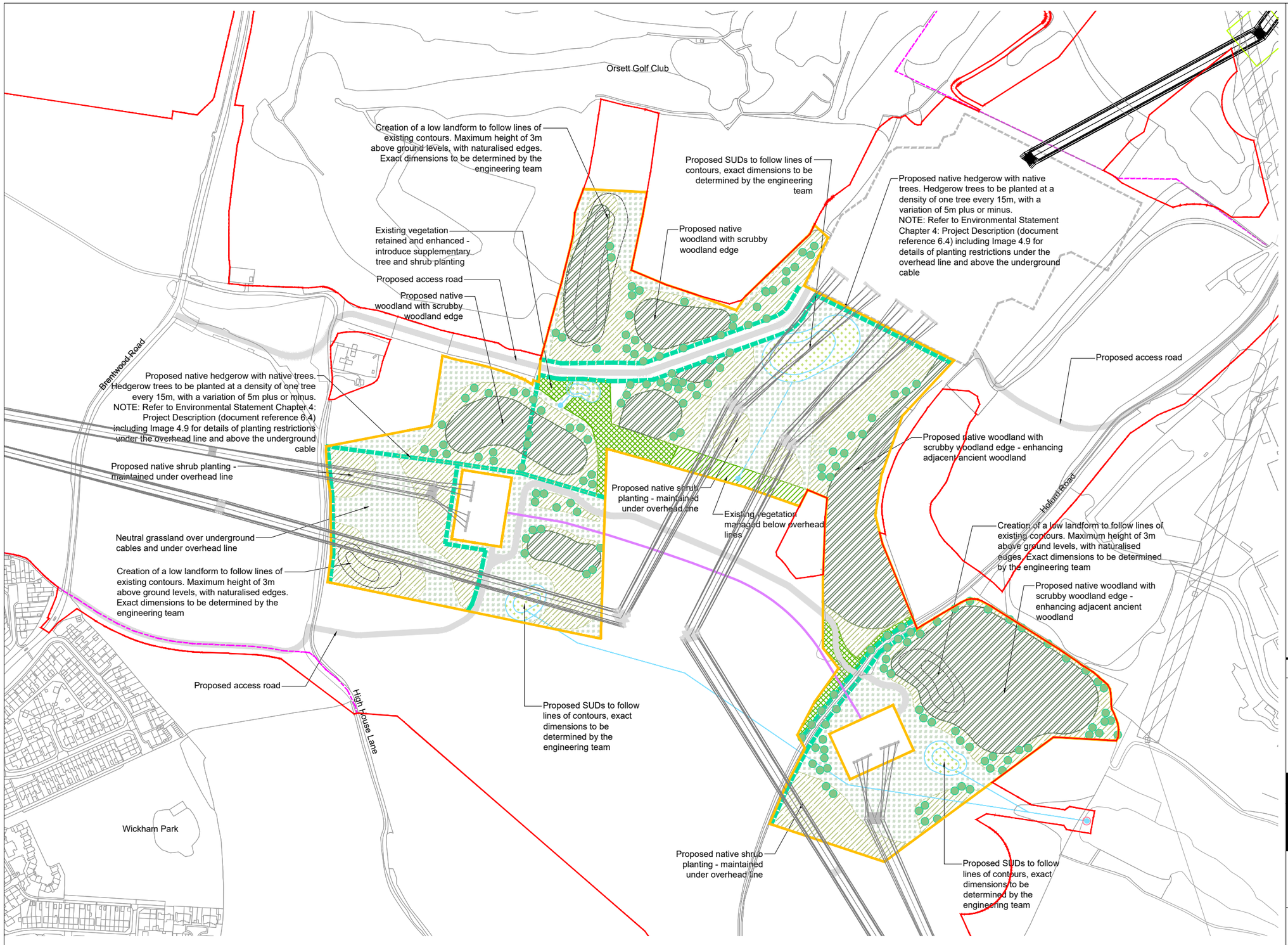
Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:2500	S1

Drawing Title
Fairstead (EACN side) and Fairstead (Tilbury side) CSE Compounds- Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0009	A



NOTES:
1. For Substation/ CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined)

Site

- Order Limits
- Extent of the Environmental Area
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed surface water attenuation drainage pond
- Proposed outfall alignment (Refer to the engineering team's drawings)
- Proposed drainage outfall location (Refer to the engineering team's drawings)
- Proposed spoil bund
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Proposed underground cabling (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced
  Introduce supplementary tree and shrub planting
- EV-2 Existing Vegetation to be managed under overhead lines - Details to be confirmed
- PV-1 Proposed Native Woodland Mix
  To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees
  To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix
  Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow
  To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland
  Seed mixes to be site specific and specified at detailed design stage
- PV-6 Emergent Marginal Planting
  Wetland seed mix around the proposed SuDs - to favour amphibians and invertebrates use of ponds

Rev	Date	Description	Drn	Chk	App
A	AUG 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:5000
0 50 100 150 200 250m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

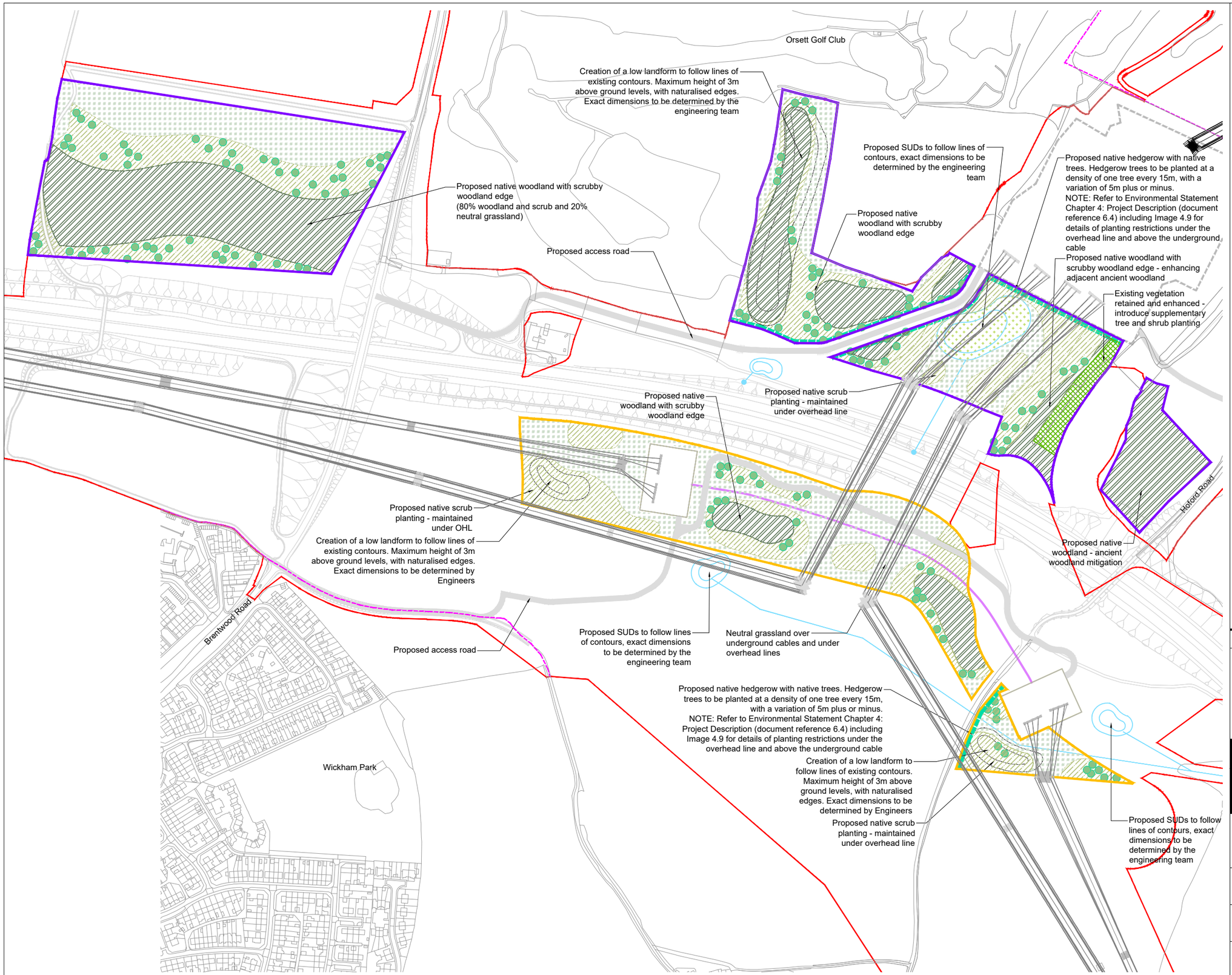
Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:5000	S1

Drawing Title
Tilbury North substation and CSE compounds (without LTC) Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0011	A



Site

- Order Limits
- Extent of the Environmental Area
- Environmental Mitigation
- Substation / CSE compound (Refer to the engineering team's drawings)
- Substation / CSE compound access (Refer to the engineering team's drawings)
- Proposed surface water attenuation drainage pond
- Proposed outfall alignment (Refer to the engineering team's drawings)
- Proposed drainage outfall location (Refer to the engineering team's drawings)
- Proposed spoil bund
- Proposed/ existing overhead lines (refer to the engineering team's drawings)
- Proposed underground cabling (refer to the engineering team's drawings)
- Existing Public Right of Way

Soft Landscape

- EV-1 Existing Vegetation retained and enhanced
  Introduce supplementary tree and shrub planting
- PV-1 Proposed Native Woodland Mix
  To provide screening, enhance existing woodlands and wildlife corridors. Minimum depth 20m, unless indicated
- PV-2 Proposed Native Trees
  To provide structure to field boundaries, hedgerows and areas of proposed native scrub
- PV-3 Proposed Native Scrub Mix
  Increased areas of shrub planting to maximise biodiversity enhancement and provide screening, enhance existing woodlands and vary structure planting. NOTE: Low growing shrub planting to be maintained under the overhead lines
- PV-4 Proposed Native Hedgerow
  To provide low level screening to visual receptors, reinstate lost field boundaries and enhance landscape character, provide green infrastructure connectivity, additional habitat for nesting birds and wildlife corridors
- PV-5 Proposed Neutral Grassland
  Seed mixes to be site specific and specified at detailed design stage
- PV-6 Emergent Marginal Planting
  Wetland seed mix around the proposed SuDs - to favour amphibians and invertebrates use of ponds

NOTES:
1. For Substation/ CSE compound proposals and services please refer to the engineering team's drawings.
2. Tree and shrub planting to be offset from security fence by 3m. (Alignment of security fence to be determined)

Rev	Date	Description	Drn	Chk	App
A	AUG 2025	FOR DCO APPLICATION	LT	LC	RG

Scale 1:5000
0 50 100 150 200 250m

Do not scale from this drawing
All dimensions are to be verified on site
© Drawing & design copyright LUC

LUC
www.landuse.co.uk

Project
NORWICH TO TILBURY

Client
NATIONAL GRID

LUC Job Nr	Scale @A3	Status
12055	1:5000	S1

Drawing Title
Tilbury North substation and CSE compounds (with LTC) Landscape Proposals

Drawing Nr	Rev
12055-LUC-XX-XX-DR-L-0012	A

Appendix B. Habitat Conversion Tables

Appendix B
Habitat Conversion Tables

Table B1 Conversion of APEM Phase 1 habitat type to metric habitat type

Phase 1 Habitat	UKHab Broad Habitat Type	UKHab Specific Habitat Type
A1.1.1 Broadleaved woodland - Semi natural	Woodland and forest	Lowland mixed deciduous woodland
A1.1.2 Broadleaved woodland - Plantation	Woodland and forest	Other woodland; broadleaved
A1.2.2 Coniferous woodland - Plantation	Woodland and forest	Other coniferous woodland
A1.3.1 Mixed woodland - Semi natural	Woodland and forest	Lowland mixed deciduous woodland
A2.1 Dense/continuous scrub	Heathland and shrub	Mixed scrub
A2.2 Scattered scrub	Individually reviewed against an Environmental Systems Research Institute,(ESRI) aerial photography basemap and habitat type assigned manually	
A3.1 Parkland scattered trees	Individually reviewed against an ESRI aerial photography basemap and habitat type assigned manually	
B2 Semi-improved grassland	Grassland	Other neutral grassland
B4 Improved grassland	Grassland	Modified grassland
F2.1 Marginal vegetation	Individually reviewed against an ESRI aerial photography basemap and habitat type assigned manually	
G1 Standing water	Watercourse footprint	Watercourse footprint
G2 Running water	Watercourse footprint	Watercourse footprint
I2.1 Quarry	Urban	Active sand pit quarry or open cast mine
J1.1 Arable	Cropland	Cereal crops
J1.2 Amenity grassland	Grassland	Modified grassland
J3.6 Buildings	Urban	Developed land; sealed surface
J4 Bare ground	Urban	Bare ground
J5 Hardstanding	Urban	Developed land; sealed surface

Phase 1 Habitat	UKHab Broad Habitat Type	UKHab Specific Habitat Type
J5 Other – Allotment	Urban	Allotments
J5 Other – Cemetery	Urban	Cemeteries and churchyards
J5 Other - Solar farm	Grassland	Modified grassland
J5 Other – Solar farm	Grassland	Modified grassland
J5 Other – Solar Farm	Grassland	Modified grassland
K Continuous Urban	Urban	Developed land; sealed surface

Table B2 Conversion of OS Master Map data to metric habitat type

Phase 1 Habitat	UKHab Broad Habitat Type	UKHab Specific Habitat Type
Building	<Null>	Developed land; sealed surface
Building	Electricity Sub Station	Developed land; sealed surface
Building	Gas Governor	Developed land; sealed surface
Building	Tank	Developed land; sealed surface
Glasshouse	<Null>	Developed land; sealed surface
Building, Rail	<Null>	Developed land; sealed surface
General Surface	<Null>	Developed land; sealed surface
General Surface	<Null>	Modified grassland
General Surface	Agricultural Land	Cereal crops
General Surface	Electricity Sub Station	Developed land; sealed surface
General Surface	Gas Governor	Developed land; sealed surface
General Surface	Mineral Workings	Active sand pit quarry or open cast mine
General Surface	Multi Surface	Vegetated garden

Phase 1 Habitat	UKHab Broad Habitat Type	UKHab Specific Habitat Type
General Surface	Sand	Individually reviewed against an ESRI aerial photography basemap and habitat types assigned manually
Natural Environment	Coniferous Trees	Other coniferous woodland
Natural Environment	Coniferous Trees (Scattered)	Individually reviewed against an ESRI aerial photography basemap and habitat types assigned manually
Natural Environment	Coniferous Trees, Coppice Or Osiers, Non coniferous Trees	Other woodland; mixed
Natural Environment	Coniferous Trees, Non coniferous Trees	Other woodland; mixed
Natural Environment	Coniferous Trees, Non coniferous Trees, Scrub	Other woodland; mixed
Natural Environment	Coppice Or Osiers, Non coniferous Trees	Other woodland; broadleaved
Natural Environment	Marsh	Other neutral grassland
Natural Environment	Marsh, Non coniferous Trees, Scrub	Wet woodland
Natural Environment	Mineral Workings (Inactive),Non coniferous Trees, Scrub	Other woodland; broadleaved
Natural Environment	Non coniferous Trees	Lowland mixed deciduous woodland
Natural Environment	Non coniferous Trees (Scattered)	Individually reviewed against an ESRI aerial photography basemap and habitat types assigned manually
Natural Environment	Non coniferous Trees (Scattered),Rough Grassland, Scrub	Other neutral grassland
Natural Environment	Non coniferous Trees (Scattered),Scrub	Mixed scrub
Natural Environment	Non coniferous Trees, Coniferous Trees	Other woodland; mixed
Natural Environment	Non coniferous Trees, Scrub	Other woodland; broadleaved
Natural Environment	Orchard	Traditional orchards

Phase 1 Habitat	UKHab Broad Habitat Type	UKHab Specific Habitat Type
Natural Environment	Rough Grassland	Other neutral grassland
Natural Environment	Rough Grassland, Scrub	Other neutral grassland
Natural Environment	Scrub	Mixed scrub
Natural Environment	Scrub, Non coniferous Trees	Mixed scrub
Unclassified	<Null>	Developed land; sealed surface
Natural Environment, Rail	Non coniferous Trees	Other woodland; broadleaved
Natural Environment, Rail	Non coniferous Trees, Scrub	Other woodland; broadleaved
Natural Environment, Rail	Scrub	Mixed scrub
Natural Environment, Roadside	Non coniferous Trees	Other woodland; broadleaved
Natural Environment, Roadside	Non coniferous Trees, Scrub	Other woodland; broadleaved
Natural Environment, Roadside	Scrub	Mixed scrub
General Surface, Roadside, Structure	Bridge	Developed land; sealed surface
General Surface, Structure	Bridge	Developed land; sealed surface
Rail	<Null>	Built linear features
Rail, Road Or Track	Level Crossing	Built linear features
Rail, Structure	<Null>	Developed land; sealed surface
Rail, Structure	<Null>	Developed land; sealed surface
Path	<Null>	Built linear features
Road Or Track	<Null>	Developed land; sealed surface
Road Or Track	Track	Built linear features
Road Or Track	Traffic Calming	Developed land; sealed surface
Roadside	<Null>	Developed land; sealed surface
Roadside	<Null>	Modified grassland

Phase 1 Habitat	UKHab Broad Habitat Type	UKHab Specific Habitat Type
Path, Structure	Footbridge	Developed land; sealed surface
Path, Structure	Footbridge	Developed land; sealed surface
Road Or Track, Structure	<Null>	Developed land; sealed surface
Road Or Track, Structure	Bridge	Developed land; sealed surface
Road Or Track, Structure	Track	Built linear features
Roadside, Structure	<Null>	Developed land; sealed surface
Structure	<Null>	Developed land; sealed surface
Structure	Tank	Developed land; sealed surface
Inland Water, Structure	Reservoir	Reservoirs
Inland Water	<Null>	Ponds (non-priority habitat)
Inland Water	Drain	Watercourse footprint
Inland Water	Static Water	Ponds (non-priority habitat)
Inland Water	Watercourse	Developed land; sealed surface
Landscape	Slope	Individually reviewed against an ESRI aerial photography basemap and habitat types assigned manually

Appendix C.
BNG Metric Rule

Appendix C
BNG Metric Rule

Table C1 BNG metric rule

Rule	Rule Details
Rule 1	The trading rules of this biodiversity metric must be followed.
Rule 2	Biodiversity unit outputs, for each type of unit, must not be summed, traded, or converted between types. The requirement to deliver at least a 10% net gain applies to each type of unit.
Rule 3	To accurately apply the biodiversity metric formula, you must use the Statutory Biodiversity Metric calculation tool or Small Sites Biodiversity Metric tool (SSM) for small sites. The tools remove the need for a user to manually calculate the change in biodiversity value. The tool will summarise the results of the calculation and inform a user whether the biodiversity net gain objective has been met.
Rule 4	In exceptional ecological circumstances, deviation from this biodiversity metric methodology may be permitted by the relevant planning authority.

Appendix D. Biodiversity Metric Principles

Appendix D
Biodiversity Metric Principles

Table D1 Biodiversity metric principles

Principle	Principle Detail
Principle 1	The metric assessment should be completed by a competent person
Principle 2	The use of this biodiversity metric does not override existing biodiversity protections, statutory obligations, policy requirements, ecological mitigation hierarchy or any other requirements. This includes consenting or licensing processes, for example woodlands.
Principle 3	This biodiversity metric should be used in accordance with established good practice guidance and professional codes.
Principle 4	This biodiversity metric is not a complex or comprehensive ecological model and is not a substitute for expert ecological advice.
Principle 5	Biodiversity units are a proxy for biodiversity and should be treated as relative values
Principle 6	This biodiversity metric is designed to inform decisions in conjunction with locally relevant evidence, expert input, or guidance.
Principle 7	Habitat interventions need to be realistic and deliverable within a relevant project timeframe
Principle 8	Created and enhanced habitats should be, where practical and reasonable, local to any impact and deliver strategically important outcomes for nature conservation.
Principle 9	This biodiversity metric does not enforce a minimum habitat size ratio for compensation of losses. Proposals should aim to: • Maintain habitat extent - supporting more, bigger, better and more joined up ecological networks • Ensure that proposed or retained habitat parcels are of sufficient size for ecological function.

Appendix E. BNG Good Practice Principles

Appendix E
BNG Good Practice Principles

Table E1 BNG good practice principles

Principle	Principle Detail
Apply the mitigation hierarchy	Do everything possible to first avoid and then minimise impacts on biodiversity. Only as a last resort, and in agreement with external decision makers where possible, compensate for losses that cannot be avoided. If compensating for losses within the development footprint is not possible or does not generate the most benefits for nature conservation, then offset biodiversity losses by gains elsewhere.
Avoid losing biodiversity that cannot be offset elsewhere	Avoid impacts on irreplaceable biodiversity - these impacts cannot be offset to achieve not net loss/net gain.
Be inclusive and equitable	Engage stakeholders early and involve them in designing, implementing, monitoring and evaluating the approach to net gain. Achieve net gain in partnership with stakeholders where possible.
Address risk	Mitigate difficulty, uncertainty and other risks to achieving net gain. Apply well-accepted ways to add contingency when calculating biodiversity losses and gains in order to account for any remaining risks, as well as to compensate for the time between the losses occurring and the gains being fully realised.
Make measurable net gain contribution	Achieve a measurable, overall gain for biodiversity and the services ecosystems provide while directly contributing towards nature conservation priorities.
Achieve the best outcomes for biodiversity	Achieve the best outcomes for biodiversity by using robust credible evidence and local knowledge to make clearly justified choices when: • Delivering compensation that is ecologically equivalent in type, amount and condition and that accounts for the location and timing of biodiversity losses • Compensating for losses of one type of biodiversity by providing a different type that delivers greater benefits for nature conservation • Achieving net gain locally to the development while also contributing towards nature conservation priorities at local, regional and national levels • Enhancing existing or creating new habitat • Enhancing ecological connectivity by creating more, bigger, better and joined areas for biodiversity.

Principle	Principle Detail
Be additional	Achieve nature conservation outcomes that demonstrably exceed existing obligations, i.e. do not deliver something that would occur anyway
Create a net gain legacy	Ensure net gain generates long-term benefits by: • Engaging stakeholders and jointly agreeing practical solutions that secure Net Gain in perpetuity • Planning for adaptive management and securing dedicated funding for long-term management • Designing net gain for biodiversity to be resilient to external factors, especially climate change • Mitigating risks from other land uses • Avoiding displacing harmful activities from one location to another • Supporting local-level management of net gain activities.
Optimise sustainability	Prioritise BNG and, where possible, optimise the wider environmental benefits for a sustainable society and economy
Be transparent	Communicate all net gain activities in a transparent and timely manner, sharing the learning with all stakeholders.

National Grid plc
National Grid House,
Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

Registered in England and Wales
No. 4031152
nationalgrid.com