HyNet North West Hydrogen Pipeline

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Appendix 8C

Arboricultural Impact Assessment

October 2024

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Glossary

Term (acronym)	Definition
ACoW	Arboricultural Clerk of Works
Ancient Woodland	Woodland that has been in continuous existence since at least 1600 AD.
Baseline	Refers to existing conditions as represented by latest available survey and other data which is used as a benchmark for making comparisons to assess the impact of development.
Code of Construction Practice (CoCP)	The code sets out the standards and procedures to which developers and contractors must adhere to when undertaking construction of major projects. This will assist with managing the environmental impacts and will identify the main responsibilities and requirements of developers and contractors in constructing their projects.
Decommissioning	The activities during which a development and its associated processes are removed from active operation.
Development Consent Order (DCO) Application	An application for consent under the Planning Act 2008 to undertake a Nationally Significant Infrastructure Project made to the Planning Inspectorate who will consider the application and make a recommendation to the Secretary of State, who will decide on whether development consent should be granted for the Project.
Draft Order Limits	The presently anticipated maximum extent of land in which the Project may take place, as well as the key components of the Project
Embedded environmental measures	Equate to 'primary' and 'tertiary' environmental measures as defined by Institute of Environmental Management and Assessment (2016). They are measures to avoid or reduce environmental effects that are directly incorporated into the preferred masterplan for the Project.
Environmental Impact Assessment (EIA)	The process of evaluating the likely significant environmental effects of a proposed project or development over and above the existing circumstances (or 'baseline').
Environmental Statement (ES)	The written output presenting the full findings of the Environmental Impact Assessment.

Term (acronym)	Definition
Horizontal Directional Drill (HDD)	A trenchless crossing engineering technique using a drill steered underground without the requirement for open trenches. This technique is often employed when crossing environmentally sensitive areas, major water courses and highways. This method is able to carry out the underground installation of pipes and cables with minimal surface disruption
Micro-tunnelling	Micro-tunnelling is a precise, remote-controlled trenchless method for installing underground pipes. It uses a micro-tunnel boring machine (MTBM) pushed by hydraulic jacks to excavate soil and install pipes simultaneously. Suitable for various soil types, it's used for distances up to several hundred meters and pipe diameters of 0.5-3 meters, with minimal surface disruption.
Auger-bore	Auger-boring is a trenchless technique using a rotating auger to excavate soil while simultaneously installing pipes or casings. It's typically used for shorter distances (up to 50-60 meters) in stable soil conditions. Suitable for pipe diameters of 0.1-1.5 meters, it's often employed for installations under roads or railways where open-cut methods aren't feasible.
HPI	Habitats of Principal Importance
Impact	The changes resulting from an action
Limits of Deviation (LoD)	Indicate the maximum area of land within which the permanent infrastructure may be located.
LPA	Local Planning Authority
National Policy Statements (NPS)	Part 2 of the Planning Act 2008 sets out the national policy against which NSIP applications are assessed. NPSs set out guidance to inform the decision-making process for NSIPs. NPSs relevant to energy generation include: Overarching National Policy Statement for Energy (EN-1) (DECC, 2011a); National Policy Statement for Renewable Energy (EN-3) (DECC, 2011b); and National Policy Statement for Electricity Networks (EN-5) (DECC, 2011c).
Nationally Significant Infrastructure Project (NSIP)	Nationally Significant Infrastructure Projects are major infrastructure developments in England and Wales which are consented by DCO. These include proposals for

Term (acronym)	Definition
	renewable energy projects with an installed capacity greater than 100MW.
NPPF	National Planning Policy Framework
Draft Order Limits	The Draft Order Limits combines the search areas for the construction and infrastructure associated with the Project. It is defined as the area within which the Project and associated infrastructure will be located, including the temporary and permanent construction and operational work areas.
The Project	The development that is subject to the application for development consent, as described in **Chapter 2: The Project**.
Root Protection Area	The minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority.
Tree Preservation Order (TPO)	Tree Preservation Order
Veteran Tree	Trees which, because of age, size and condition, are of exceptional biodiversity, cultural or heritage value.

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1. Scope

1.1 Context

1.1.1 The Environment Partnership (TEP) Limited was commissioned by Cadent Gas Ltd (Cadent) ('the Applicant') to conduct an arboricultural survey in relation to the HyNet North West Hydrogen Pipeline Project (hereafter referred to as 'the Project').

1.1.2 The Project includes the construction, and operation and eventual decommissioning of approximately 100km of new pipeline to distribute hydrogen to industry in the North West. A number of Hydrogen Above Ground Installations (HAGIs), including Block Valve Installations (BVIs) are required to control the flow and pressure of hydrogen at key points along the proposed pipeline.

1.1.3 The Project connects the Hydrogen Production Plant (HPP) at the Stanlow site, as the source of hydrogen, for onward distribution to the network. The pipeline transports hydrogen to the Central Hub at the centre of the network, which then serves as the connection and onward distribution point to the North, East and South corridors, which would extend to St. Helens, Partington and Northwich respectively. Branching off from each main corridor would be pipeline spurs connecting hydrogen customers to the main pipeline. Infrastructure has also been included which supports the potential blending of hydrogen with methane in the existing gas network. The Project would also link to underground hydrogen storage facilities in Cheshire used to balance supply and demand through the network.

1.1.4 The presently anticipated maximum extent of land in which the Project may take place, which is assessed in this Draft ES, is defined by the 'Draft Order Limits', land within which is hereafter referred to as 'land within the Draft Order Limits'.

1.1.5 A proportionate degree of flexibility has been incorporated into the project design so that unforeseen issues that may be encountered following consent can be sufficiently mitigated. For example, previously unidentified poor ground conditions may require a pipeline section to be re-routed slightly for geotechnical reasons. Therefore, to allow for this, new infrastructure would be constructed within specified Limits of Deviation (LoD) which identify a maximum distance or measurement of variation within which the works must be constructed; further detail is provided on LoD in **Chapter 2: The Project**

1.1.6 This report has been produced as part of the Draft Environmental Statement (ES) which builds on the Preliminary Environmental Information Report (PEIR) relating to the Project which was published in September 2022. The Draft ES presents the potential environmental effects arising from the Project as currently defined (as described in **Chapter 2: The Project**) and informs a second round of Statutory Consultation to be undertaken in Autumn 2024. Feedback from this consultation will enable final refinements to be made to the design of the Project to achieve a final design. The refined Development Consent Order (DCO) Limits, including a final set of associated accesses and temporary construction compounds will be

presented as the final plans in the application for development consent and accompanying ES.

1.1.7 This Arboricultural Impact Assessment provides detail of the distribution and value of trees and hedges within and adjacent to the Draft Order Limits (see **Chapter 2: The Project**). The results of the survey have been used to aid the development design and proposed construction methodology to avoid or minimise effects on valuable tree and hedge features.

1.2 Arboricultural Impact Assessment

1.2.1 Wherever development occurs, there is a potential for effects on trees. This might comprise the removal of trees that would physically prevent the development, but also those that are nearby and vulnerable to changes in local conditions that would arise because of construction.

1.2.2 There should be a common-sense ambition to limit tree loss to that which is strictly required to facilitate the proposal, and to ensure that the condition and safety of all remaining trees should not be compromised by the development. The quality and distribution of trees should also be considered amongst other constraints in the development of the proposed design. These objectives are broadly supported by a range of statutory instruments, common law, policy and best practise guidance.

1.2.3 Assessing which trees would and would not be affected can be complex and normally requires specialist advice. Trees' ability to tolerate disturbance or change varies by species and context and, where justified, alternative working methods can sometimes be employed to avoid harm to an otherwise obstructive tree.

1.2.4 Trees can be relevant to the assessment of a range of technical impacts. Trees are fundamental to the existence of many habitats and species; can inform context and setting of heritage assets; may be significantly present in landscapes and views; or associated with archaeological features. British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations (BS5837) describes a methodology for tree classification that reflects these diverse roles in the environment. It requires a basic assessment of the primary function of trees and their quality. This process is intended to supplement but not confuse other assessments, in which trees are included as part of the baseline.

1.2.5 An Arboricultural Impact Assessment (AIA) must balance the technical assessment of necessary tree loss against the assessment of impact and significance in planning terms. It is precisely because trees are ubiquitous and relevant to so many planning considerations that there is merit in evaluating impacts on the treescape as a receptor in its own right. However, there is no direct correlation between the methodology in BS5837 and the assessment of significance made in an ES.

1.2.6 It is essential that impacts on trees are not 'double counted'. There is a potential for an arboricultural assessment to reappraise effects that are included in other technical assessments, which must be balanced with the material consideration of trees. With this in mind, the role of the AIA is partly to ensure that a range of individually acceptable impacts in terms of ecology, visual impact, landscape assessment, heritage and residential amenity do not constitute a much greater and unconsidered cumulative impact on trees.

1.2.7 For the above reasons, the AIA sits outside the main technical chapters of the Draft ES and provides a link between the description of development and other chapters; particularly **Chapter 5: Biodiversity** and **Chapter 8: Landscape and Visual**.

1.2.8 The role of the AIA is to make the technical assessment of which trees would be affected by a proposed development and feed this information into other technical assessments and/or ES chapters as necessary. In general, it relies on those other disciplines to evaluate significance and impact in respect of those effects in planning terms. Nonetheless, it does draw together key metrics of impact on trees in a single document to summarise in simple terms, the effects of the proposal on the treescape.

2. HyNet North West Hydrogen Pipeline Project

2.1 The Project

2.1.1 The Project includes the construction and operation of approximately 100km of new pipeline to distribute hydrogen to industry in the North West. A number of Hydrogen Above Ground Installations (HAGIs), including Block Valve Installations (BVIs) are required to control the flow and pressure of hydrogen at key points along the proposed pipeline. The Project connects the Hydrogen Production Plant at the Essar Stanlow site, as the source of hydrogen, for onward distribution to the Network. The pipeline transports hydrogen to the Central Hub at the centre of the Network, which then serves as the connection and onward distribution point to the North, East and South corridors, which would extend to St. Helens, Partington and Northwich respectively. Branching off from each main corridor would be pipeline spurs connecting hydrogen customers to the main pipeline. Infrastructure has also been included which supports the potential blending of hydrogen with methane in the existing gas network, should government support this activity. Draft Order Limits

2.1.2 The Draft Order Limits establish the presently anticipated maximum extent of land in which the Project may take place, as illustrated in **Figure 2.2** of the Draft ES. The refined Development Consent Order (DCO) Limits, including a final set of associated accesses and temporary construction compounds will be presented as the final plans in the application for development consent and accompanying Final ES.

2.1.3 In theory, any tree within the Draft Order Limits could be affected by the Project. In practice however, it is not possible that every tree would be affected because the works would not 'fill' the entire Draft Order Limits. For this reason, the footprint of physical activity (i.e., areas in which temporary construction activity will take place) has been defined using locations of construction components as currently understood to give a Reasonable Worst-Case Scenario (RWCS).

2.2 Limits of Deviation

2.2.1 As per guidance provided by the Planning Inspectorate, a necessary and proportionate degree of flexibility often needs to be incorporated into the design of the Project so that unforeseen issues, that are encountered after a development has been consented, can be dealt with. Limits of Deviation (LoD) have therefore been defined for the Project which indicate the maximum area of land within which the permanent infrastructure may be located.

2.2.2 In a similar way to the Draft Order Limits, any tree within the LoD could theoretically be affected by the Project, but in practice the entire LoD area would not be occupied.

3. Policy and Legislative Context

3.1 Planning Legislation and Policy

3.1.1 The primary national planning policy documents relevant to the consideration of the Project are the Overarching National Policy Statement for Energy (EN-1) and the National Policy Statement for Natural Gas Supply Infrastructure and Gas and Oil pipelines (EN-4). Other national and local policies may also provide additional guidance on this environmental topic and could be considered material to the consideration of this Project. Policy potentially relevant to the Project and to this environmental topic is summarised within **Table 8C3.1**

Table 8C3.1 Planning policy relevant to the arboricultural impact assessment

Document	Policy Extract
Overarching National Policy Statement for Energy (EN-1)	**Section 5.4** **Ancient woodland, ancient/veteran trees, and other irreplaceable habitats:** 5.4.14 Irreplaceable habitats are habitats which would be technically very difficult (or take a very significant time) to restore, recreate or replace once destroyed, taking into account their age, uniqueness, species diversity or rarity. 5.4.15 Ancient woodland is a valuable biodiversity resource both for its diversity of species and for its longevity as woodland. Ancient or veteran trees found outside ancient woodland are also particularly valuable. Other types of irreplaceable habitats include blanket bog, limestone pavement, sand dunes, salt marsh and lowland fen. 5.4.32 Applicants should include measures to mitigate fully the direct and indirect effects of development on ancient woodland, ancient and veteran trees or other irreplaceable habitats during both construction and operational phases. 5.4.54 The Secretary of State should not grant development consent for any development that would result in the loss or deterioration of any irreplaceable habitats, including ancient woodland, and ancient or veteran trees unless there are wholly exceptional reasons and a suitable compensation strategy exists. **Protection and enhancement of habitats and species:** 5.4.33 Applicants should consider any reasonable opportunities to maximise the restoration, creation, and enhancement of wider biodiversity, and the protection and restoration of the ability of habitats to store or sequester carbon.

Document	Policy Extract
	5.4.34 Applicants should also give consideration to improvements to, and impacts on, habitats and species in, around and beyond developments, for wider ecosystem services and natural capital benefits, beyond those under protection and identified as being of principal importance. Section 5.11 5.11.27 Existing trees and woodlands should be retained wherever possible. The applicant should assess the impacts on, and loss of, all trees and woodlands within the project boundary and develop mitigation measures to minimise adverse impacts and any risk of net deforestation as a result of the scheme. Mitigation may include the use of buffers to enhance resilience, improvements to connectivity, and improved woodland management. Where woodland loss is unavoidable, compensation schemes will be required, and the long-term management and maintenance of newly planted trees should be secured.
Overarching National Policy Statement for Oil and Gas Supply Infrastructure and Gas and Oil Pipelines (EN-4)	**Section 2.21** **Biodiversity, Landscape and Visual** 2.21.24 Additional considerations apply during the construction of a pipeline (which, without mitigation, can affect both landscape, visual amenity and ecology). 2.21.25 These comprise the effects upon specific landscape elements within and adjacent to the pipeline route, such as grasslands, field boundaries (hedgerows, hedge banks, drystone walls, fences), trees, woodlands, and watercourses. 2.21.29 Long term impacts upon the landscape for pipelines are likely to be limited, as once operational the main infrastructure is usually buried. They are likely to include: • limitations on the ability to replant landscape features such as hedgerows or deep-rooted trees over or adjacent to the pipeline

Document	Policy Extract
	Section 2.22 **Biodiversity, Landscape and Visual** 2.22.6 Mitigation measures to protect the landscape, visual amenity and ecology could include reducing the working width required for the installation of the pipeline to reduce the impact on the landscape where it will not be possible to fully reinstate the route. 2.22.7 In circumstances where the habitat to be crossed contains ancient woodland, ancient or veteran trees, trees subject to a Tree Preservation Order, or hedgerows subject to the Hedgerows Regulations 1997, the applicant should consider whether it would be feasible to use HDD under the ancient woodland or thrust bore under the protected tree or hedgerow and the Secretary of State should consider requiring this, where not included in the proposal.
National Planning Policy Framework (December 2023)	Para. 136. Trees make an important contribution to the character and quality of urban environments and can also help mitigate and adapt to climate change. Planning policies and decisions should ensure that new streets are tree-lined, that opportunities are taken to incorporate trees elsewhere in developments (such as parks and community orchards), that appropriate measures are in place to secure the long-term maintenance of newly-planted trees, and that existing trees are retained wherever possible. Applicants and local planning authorities should work with highways officers and tree officers to ensure that the right trees are planted in the right places, and solutions are found that are compatible with highways standards and the needs of different users. Para. 180. Planning policies and decisions should contribute to and enhance the natural and local environment by: b) recognising the intrinsic character and beauty of the countryside, and the wider benefits from natural capital and ecosystem services – including the economic and other benefits of the best and most versatile agricultural land, and of trees and woodland; d) minimising impacts on and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures;

Document	Policy Extract
	Para. 186. When determining planning applications, local planning authorities should apply the following principles: a) if significant harm to biodiversity resulting from a development cannot be avoided (through locating on an alternative site with less harmful impacts), adequately mitigated, or, as a last resort, compensated for, then planning permission should be refused; c) development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland and ancient or veteran trees) should be refused, unless there are wholly exceptional reasons67 and a suitable compensation strategy exists; and d) 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.
Cheshire East Council – Local Plan Strategy 2010-2030	**Policy SE3 Biodiversity and Geodiversity** Development proposals which are likely to have a significant adverse impact on a site with one or more of the following local or regional designations, habitats or species will not be permitted except where the reasons for or benefits of the proposed development outweigh the impact of the development: vi. National priority species and habitats (commonly known as 'UK BAP priority habitats and species') published for England under the requirements of Section 41 of the Natural Environment and Rural Communities Act 2006 viii. Areas of Ancient and Semi-Natural Woodland **Policy SE 5 Trees, Hedgerows and Woodland**

Document	Policy Extract
	Development proposals which will result in the loss of, or threat to, the continued health and life expectancy of trees, hedgerows or woodlands (including veteran trees or ancient semi-natural woodland), that provide a significant contribution to the amenity, biodiversity, landscape character or historic character of the surrounding area, will not normally be permitted, except where there are clear overriding reasons for allowing the development and there are no suitable alternatives. Where such impacts are unavoidable, development proposals must satisfactorily demonstrate a net environmental gain by appropriate mitigation, compensation or offsetting. The council will seek to ensure: 1. The sustainable management of trees, woodland and hedgerows including provision of new planting within the infrastructure of new development proposals to provide local distinctiveness within the landscape, enable climate adaptation resilience, and support biodiversity; 2. The planting and sustainable growth of large trees within new development as part of a structured landscape scheme in order to retain and improve tree canopy cover within the borough as a whole.
Cheshire West and Chester – Local Plan Parts One and Two	**Policy ENV 4 Biodiversity and Geodiversity** The Local Plan will safeguard and enhance biodiversity and geodiversity through the identification and protection of sites and/or features of international, national and local importance. Sites will be protected from loss or damage taking account of: • The hierarchy of designations of international, national and local importance • The irreplaceability of habitats, sites and/or features and contribution to the borough's ecological network of sites and features • Impact on priority habitats and protected/priority species

Document	Policy Extract
	Development should not result in any net loss of natural assets, and should seek to provide net gains. Where there is unavoidable loss or damage to habitats, sites or features because of exceptional overriding circumstances, mitigation and compensation will be required to ensure there is no net loss of environmental value. **DM 45 Trees, woodland and hedgerows** In line with Local Plan (Part One) policies ENV 3 and ENV 4, development will be supported where it conserves, manages and, wherever possible, enhances existing trees, woodlands, traditional orchards, and hedgerows. All significant healthy trees, woodlands, traditional orchards, and hedgerows should be integrated into the development scheme. Where possible, existing significant trees should be incorporated within public open space. Where it is demonstrated to the satisfaction of the Council that integration is not possible and the above assets would be lost, development proposals must: 1. include replacement trees, woodlands and hedgerows within the site, or where this can be demonstrated to not be practical, contribute to off-site provision, prioritised within the locality of the development; 2. include replacement planting at a ratio of at least two new trees for each tree lost. Replacement trees should be of heavy or extra heavy standard, and where prominent trees are to be removed, large specimen trees may be required; and 3. use locally native species, where appropriate. Development affecting all existing and new woodlands should: 4. support proposals which assist in the positive use of woodlands; 5. promote sustainable management to deliver multiple benefits; and 6. support the aims and policies of the Mersey Forest Plan, where relevant.

Document	Policy Extract
	A tree survey and arboricultural impact assessment to BS5837:2012 standard (or subsequent revisions) will be expected to be submitted with planning applications where existing significant trees are likely to be affected by the proposed development.
Halton Borough Council – Delivery and Allocations Local Plan 2014-2037 **(Incorporating remaining policies from the Core Strategy Local Plan 2013)**	**CS(R)20: Natural and Historic Environment** Policy CS(R)20: Natural and Historic Environment Halton's natural and heritage assets, and landscape character will contribute to the Borough's sense of place and local distinctiveness in accordance with the following: c. Sites of local importance including Local Nature Reserves (LNRs), Local Geological Sites, Local Wildlife Sites, Ancient Woodland, and habitats and species identified in Halton's Biodiversity Action Plan (BAP). **Policy HE1: Natural Environment and Nature Conservation** Designated Sites, Priority Habitats and Priority Species 1. Any development which may affect a designated natural asset will be considered in line with the mitigation hierarchy: a. Avoidance b. Minimisation c. Mitigation d. Compensation 3. Development which may cause significant harm will only be permitted for: c. Priority Habitats: where the reasons for and the benefits of development clearly outweigh the impact on the nature conservation value of the habitat and its broader contribution to the LCR Ecological Network.

Document	Policy Extract
	4. Where it has been demonstrated that significant harm cannot be avoided, appropriate mitigation, replacement or other compensatory measures will be required. For priority habitats, appropriate measures, informed by habitat type affected, will be required. The location of appropriate mitigation, replacement or other compensatory measures will be targeted as follows: a. On site; b. Immediate locality and / or within the Core Biodiversity Area; c. LCR Nature Improvement Area within the Borough; and lastly d. LCR Nature Improvement Area outside the Borough Where significant harm resulting from development cannot be avoided, adequately mitigated or, as a last resort, compensated, then planning permission will be refused. **Policy HE5: Trees and Landscaping** Woodlands, Trees and Hedgerows 1. Tree Survey information must be submitted with all planning applications where trees are present on site and in some cases where trees are present on adjacent sites. The Survey should include information in relation to protection, mitigation and management measures. 2. Planning permission will not normally be permitted where the proposal adversely effects trees, woodlands and hedgerows which are: a. Protected by a Tree Preservation Order (TPO); b. Ancient woodlands or veteran trees; c. In a Conservation Area; or d. Within a recognised Nature Conservation Asset.

Document	Policy Extract
	3. There will be a presumption in favour of the retention and enhancement of existing tree, woodland and hedgerow cover of arboricultural, landscape and/or visual amenity value on site. 4. Where development is likely to result in the unavoidable loss of, or threat to, the continued health and life expectancy of, woodlands, trees or hedgerows the Council will require the impacts to be satisfactorily addressed through appropriate mitigation, or where this can be demonstrated to be not feasible, compensation or offsetting in accordance with policy HE1. Landscaping 5. All development will be required to conserve and where appropriate enhance the character and quality of the local landscape. 6. Development proposals will be required, where appropriate to include hard and soft landscaping that: a. reflects the character of the area through appropriate design and management; b. is well laid out and maintainable to ensure that suitable living conditions are achieved for future occupiers and neighbours in terms of access, car parking and road safety; c. achieves a suitable visual setting for the development; d. provides sufficient space for new, or existing, trees and planting to grow; e. supports biodiversity, f. where appropriate, provides suitable and appropriate mitigation for the restoration of damaged landscape areas; and g. includes hard and soft landscaping such as permeable surfaces. Trees proposed to be planted in or adjacent to the highway or service strips should not include deep rooted or high water demand species liable to cause damage to infrastructure through root invasion. In addition species should be chosen to as not to shed fruit onto the highway.

Document	Policy Extract
St Helens Metropolitan Borough Council – Local Plan up to 2037	**Policy LPA08: Green Infrastructure** 1. Green Infrastructure in St Helens Borough comprises a network of multi-functional natural assets, including green space, trees, woodlands, mosslands, grasslands and wetlands, located within urban, semi-urban and rural areas. This network is capable of delivering a wide range of environmental and quality of life benefits for local communities and forms an important element of the Liverpool City Region (LCR) Ecological Network. 2. The Council will work with other organisations where necessary to: a) expand tree cover in appropriate locations across the Borough to improve landscape character, water and air quality and the value of trees to wildlife **Policy LPC10: Trees and Woodland** 1. The Council will, working where necessary with the Mersey Forest and other partner organisations, seek to increase the extent of tree cover across the Borough and to protect and enhance the multi-purpose value of trees, woodlands, and hedgerows. 2. New development, as appropriate having regard to its scale and nature, will be required to include the planting of new trees, woodlands, hedgerows and / or financial contributions towards off-site provision. Arrangements should be made for any tree(s) or hedgerow(s) that are planted to be replaced in the event of failure or damage within a prescribed period. 3. Proposals for new development will only be permitted if they would conserve, enhance and / or manage existing trees, woodlands, and hedgerows as appropriate, for example by being laid out to provide adequate spacing between existing trees and buildings and including long term management proposals. 4. Any development proposal that would affect a site containing tree(s) or woodland must be accompanied by a tree survey and an arboricultural constraints/implications report, produced to the current British Standard, to enable the effect of the development on the tree(s) to be properly assessed and appropriate tree

Document	Policy Extract
	protection measures to be identified. Any approved tree protection measures must then be maintained throughout the period of any demolition and / or construction works. 5. Development resulting in the loss or deterioration of any area of ancient woodland or of any ancient or veteran tree will be refused unless there are wholly exceptional circumstances in which the need for, and benefits of, the development would clearly outweigh any resultant loss and a suitable mitigation strategy exists. 6. Development proposals should be designed and laid out in a manner that would retain any tree subject to a Tree Preservation Order, any other protected tree, any other tree of value including any veteran tree, trees of value as a group, any tree of substantive heritage value or any length of hedgerow, unless it can be justified for good arboricultural reasons or there is a clearly demonstrated public benefit that would outweigh the value of the tree(s) and or hedgerow(s). Where any tree is justifiably lost its replacement will normally be required on at least a 2 for 1 ratio, with impacts on woodlands mitigated in line with Policy LPC06. Any tree(s) planted must be replaced in the event of failure or damage during a prescribed period. 7. Proposals that would enhance the value and / or contribution of woodland in respect of recreational or educational needs; health; the landscape or townscape; heritage; biodiversity; tourism; and / or economic regeneration will be supported.
Trafford Metropolitan Borough Council – Local Plan: Core Strategy 2012	**Policy R2 Natural Environment** To ensure the protection and enhancement of the natural environment of the Borough, developers will be required to demonstrate through a supporting statement how their proposal will: • Protect and enhance the landscape character, biodiversity, geodiversity and conservation value of its natural urban and countryside assets having regard not only to its immediate location but its surroundings; and • Protect the natural environment throughout the construction process.

Document	Policy Extract

Where the council considers it necessary, in order to protect the natural environment, developers will be required to provide an appropriate ecological assessment report to enable the Council to properly assess and determine the merits or otherwise of the development proposal. All planning applications submitted for development within, or in close proximity to, any of the Borough's assets, must be supported by such a report.

The Borough's assets include:

(a) Designated sites and species of national, regional and local importance:

- Sites of Special Scientific Interest (SSSI);
- European Protected Species;
- Local Nature Reserves;
- Ancient Woodland;
- Sites of Biological Importance (SBI);
- Sites of geological and geomorphological importance;
- Local Nature Conservation Sites;
- Wildlife Corridors; and
- Open countryside landscape character areas;

(b) Woodland, hedgerows and hedgerow trees and trees including street trees and ancient trees;

(c) Areas of open water and watercourses;

Document	Policy Extract
	(d) Areas of strategic importance as identified in The Greater Manchester Ecological Framework and Trafford's Climate Change Strategy; (e) Historic Parks and Gardens and historic landscapes including Dunham Massey; and (f) Habitats and species identified in the Greater Manchester Biodiversity Action Plan (BAP). These assets will be identified and protected in the Land Allocations Plan as appropriate.
Warrington Borough Council – Local Plan 2021/22-2038/39	**Policy DC4 - Ecological Network** 1. The Council will work with partners to protect, conserve, and restore biodiversity, secure a measurable net gain for biodiversity and enhance public access to nature across the Plan area. These efforts will be guided by national planning policy, the strategic approach to the care and management of the Borough's Green Infrastructure contained in Policy DC3 and the Local Nature Recovery Strategy. 2. Designated sites and areas that make up the Borough's ecological network and are recognised for their nature and geological value are shown on the Policies Map and include: Other elements that make up the Borough's ecological network and are recognised for their nature and geological value include: g. irreplaceable, protected and priority habitats <u>Development affecting Protected and/or Priority Species and Priority Habitats</u> 6. Proposals for development which may adversely affect the integrity or continuity of UK priority habitats, irreplaceable habitats, or other habitats of local importance, or adversely affect EU Protected Species, UK Priority Species or other species of local importance, or which are the subject of Local Biodiversity Action Plans will only be permitted if it can be shown that the reasons for the development clearly outweigh the need to retain the

Document	Policy Extract
	habitats or species affected and that the biodiversity harm avoidance, mitigation and compensation hierarchy (set out in Part 8 of this Policy) has been followed. 7. All development proposals affecting protected sites, wildlife corridors, priority habitats, irreplaceable habitats, EU Protected Species or priority species (as identified in Local Biodiversity Action Plans) should be accompanied by information proportionate to their nature conservation value as outlined in Part 5 of Policy DC3. Proposals must also be supported by a Preliminary Ecological Appraisal or, where potential significant effects to important ecological features are identified, an Ecological Impact Assessment. 8. Where a loss of, or harm to biodiversity, an ecological network and/or green infrastructure functionality is considered to be unavoidable, development proposals must include mitigation or, as a last resort, compensation measures. Following the application of the mitigation hierarchy, a measurable net gain in biodiversity assessed against the latest version of the DEFRA Metric must be secured. All proposals for off-site compensatory net gain/green infrastructure must be deployed strategically and as closely as possible to the affected ecological/GI asset and following good practice guidance. 9. Where development is permitted, the Council will consider the use of conditions or planning obligations to ensure the protection and enhancement of the site's nature conservation interest and/or to provide appropriate compensatory measures.
Places for Everyone Joint Development Plan Document 2022 to 2039	**Policy JP-Strat13: Strategic Green Infrastructure** The following strategic green infrastructure assets will be protected and enhanced as key features: 4. Trees and woodland (see Policy JP-G7 'Trees and Woodland'). The protection and enhancement of these key strategic green infrastructure assets is complemented by a suite of policies to protect and enhance our network of green infrastructure, including protecting and enhancing sites of ecological value. This will enable our residents to access and maximise the benefits of green infrastructure on their health and wellbeing

Document	Policy Extract
	Policy JP-G7: Trees and Woodland We will work to deliver the aims and objectives of the Greater Manchester Tree and Woodland Strategy, aiming to significantly increase tree cover, protect and enhance woodland, and connect people to the trees and woodland around them. This will be done through local planning and associated activities such as: 1. Protecting and expanding the mosaic of woodland habitats, linking fragmented areas of woodland, in particular wooded cloughs and pockets of ancient and riverside (riparian) woodland; 2. Encouraging habitat diversity through conserving and managing existing woodland and trees that are of heritage, cultural and/or aesthetic value, including ancient woodland and veteran trees; 3. Aiming to plant a tree for every resident in the plan area over the next 25 years as part of the City of Trees initiative; 4. Targeting tree-planting at the areas of greatest need where the green infrastructure benefits can be maximised, whilst avoiding the loss of, or harm to, other priority habitats, including encouraging woodland planting schemes on areas of low-grade agricultural land and land in need of remediation; 5. Establishing a new City Forest Park in Salford, Bolton and Bury, which will provide a vast urban forest close to the City Centre; 6. Considerably increasing the provision of street trees within urban areas; 7. Promoting the provision of community orchards to increase fruit consumption; 8. Promoting the opportunity for woodland conservation to raise awareness for the sustainable use of timber;

Document	Policy Extract
	9. Securing a diversification of broadleaved species, in order to increase biodiversity and disease resilience; 10. Improving public access to woodland and trees particularly by sustainable travel models to capture the health and wellbeing benefits whilst managing the associated pressures; 11. Encouraging the positive management of woodland to bring it into a more productive state, improve habitat diversity, and more effectively contribute to important green infrastructure functions such as flood risk management, urban cooling and carbon storage/sequestration; And through development as follows: 12. Where development would result in the loss of existing trees, requiring replacement on the basis of two new trees for each tree lost, or other measures that would also result in a net enhancement in the character and quality of the treescape and biodiversity value in the local area, with a preference for on-site provision; and 13. Protecting trees and woodland during the construction phase of development.

3.1.2 The UK legislation and best practice guidance that has been taken into account in making judgements in this assessment are listed in **Table 8C3.2** and **Table 8C3.3**. They include some forms of statutory protection, which have been considered in this assessment and set out the standard approach to the protection of trees during construction. This has been used to aid design evolution and to inform the impact assessment process.

Table 8C3.2 Relevant legislation

Document	Application
The Town and Country Planning Act 1990	Provides legislative protection to trees in the form of Tree Preservation Orders (TPO) and Conservation Area (CA) designations. It is a criminal offence to wilfully destroy or damage a tree covered by a TPO without attaining prior consent or within a CA without giving sufficient notification.
The Town and Country Planning (Tree Preservation) (England) Regulations 2012	Replaces all existing legislation on the subject of TPOs and include a number of important changes to TPO procedure.
Forestry Act 1967 (as amended)	Gives the Forestry Commission powers to control the quantity of trees being felled at any one time with the provision of felling licenses.
The Hedgerows Regulations 1997	Protection of hedgerows qualifying as ‘Important’ by controlling their removal through a system of notification.

Table 8C3.3 Relevant guidance

Document	Application
British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations	The main piece of reference material taking account of current best practice regarding planning for the management, protection and planting of trees in the vicinity of structures, and for the protection of structures near trees. Provides a framework for the categorisation of trees to identify the quality and value of an existing tree stock.
British Standard 3998:2010 Tree work - Recommendations	Presents general recommendations for tree work, owners of established trees and for those responsible for planning, specifying and undertaking work on maturing trees.
Ancient and other veteran trees: further guidance on management	Builds upon the work published in Veteran Trees: A guide to good management by English Nature in 2000 and provides more practical advice on the evaluation and implementation of management to aged trees.

3.2 Statutory Controls

Tree Preservation Orders

3.2.1 Where it is considered expedient to do so, local authorities can create Tree Preservation Orders (TPO) to protect the amenity value conferred to a location by a tree or group of trees. Where a TPO is in force, lopping, topping, felling, uprooting or wilful damage caused to a tree is prohibited and such actions may be prosecuted and incur an unlimited fine. Works to TPO protected trees must only be undertaken with the written consent of the Local Planning Authority (LPA), either through Development Consent or a specific TPO application.

3.2.2 In the context of a Development Consent Order, there is no need to make a separate application in relation works to any TPO tree. The presence of a TPO must be considered by the Planning Inspectorate but it does not prevent the removal of protected trees. Equally, the lack of a TPO does not mean that removal of any particular tree would be without significant impact. The presence of a TPO can be a useful indication of the LPAs view on particular trees with amenity value and should generally inform a sound design process.

3.2.3 **Table 8C3.4** lists TPOs relating to surveyed trees based on best interpretation of the special data provided. The content and validity of the Tree Preservation Orders has not been reviewed. It is assumed that all have been duly and properly served. The areas covered by each Order have been mapped approximately on the Arboricultural Constraints Plan (**Annex 8C1** of this report).

Table 8C3.4 Tree Preservation Orders

Location (What3Words)	Council	Order reference	Tree Survey Feature ID
North Corridor – west of James Roby Way (///itself.clouding.bulk)	St Helens Borough Council	TPO 15	W10003
North Corridor – Micklehead Hall off Lea Green Road (///cowering.pegs.define)	St Helens Borough Council	TPO 6/2	W44
North Corridor – south of Lea Green Road, west of Chapel Lane (///darts.fortunes.sprinting)	St Helens Borough Council	TPO 6/2	T81
North Corridor – south of Lea Green Road, west of Chapel Lane (///hockey.estimated.litigate)	St Helens Borough Council	TPO 6/2	G74

Location (What3Words)	Council	Order reference	Tree Survey Feature ID
North Corridor – west of Chapel Lane (///clockwork.streamers.urban)	St Helens Borough Council	TPO 6/2	G69
North Corridor – west of Chapel Lane (///overlaid.pointer.insurers)	St Helens Borough Council	TPO 6/2	G71
North Corridor – west of Chapel Lane (///crackling.owner.deprive)	St Helens Borough Council	TPO 6/2	G68
North Corridor – west of Chapel Lane (///remarking.riders.blackmail)	St Helens Borough Council	TPO 6/2	G67
North Corridor – west of Chapel Lane (///gent.months.splashes)	St Helens Borough Council	TPO 6/2	T77
North Corridor – west of Chapel Lane (///baseless.expectant.dreaming)	St Helens Borough Council	TPO 6/2	T76
North Corridor – west of Chapel Lane (///shuttle.obtain.resurgent)	St Helens Borough Council	TPO 6/2	T74
North Corridor – west of Chapel Lane (///logo.exclusive.writing)	St Helens Borough Council	TPO 6/2	T73
North Corridor – west of Chapel Lane (///goodnight.daytime.compliant)	St Helens Borough Council	TPO 6/2	T72
North Corridor – west of Chapel Lane (///navy.crouches.secondly)	St Helens Borough Council	TPO 6/2	T71
North Corridor – west of Chapel Lane (///rave.signal.mailing)	St Helens Borough Council	TPO 6/2	T70
North Corridor – south of Lea Green Road, west of Chapel Lane (///neat.friend.matchbox)	St Helens Borough Council	TPO 6/2	G73

Location (What3Words)	Council	Order reference	Tree Survey Feature ID
North Corridor – west of A56 Chester Road (///event.heat.head)	Warrington Borough Council	Order 70	G4
North Corridor – south of Holly Hedge Lane (///topic.risky.agents)	Warrington Borough Council	Order 70	G10366
North Corridor – south of Runcorn Road along Cheshire Ring Canal Walk (///oddly.allow.shield)	Warrington Borough Council	Order 70	G134
North Corridor – south of Runcorn Road along Cheshire Ring Canal Walk (///oven.define.slave)	Warrington Borough Council	Order 70	T1005
North Corridor – south of Runcorn Road along Cheshire Ring Canal Walk (///spoken.bats.transfers)	Warrington Borough Council	Order 70	T1004
North Corridor – north of Runcorn Road (///dragon.matter.obey)	Warrington Borough Council	Order 424	G10367
North Corridor – north of Runcorn Road (///stays.events.angle)	Warrington Borough Council	Order 424	T10554
North Corridor – north of Runcorn Road (///insist.mops.calculating)	Warrington Borough Council	Order 424	T10553
South Corridor – north of Grange Lane (///locate.guidebook.reunion)	Cheshire West and Chester Council	86/00255/ORD (provisional)	G10185
South Corridor – west of Weaverham Road (///quote.boast.hammocks)	Cheshire West and Chester Council	V/78/00121/ORD	G10189
South Corridor – west of Weaverham Road (///shortens.drank.zoom)	Cheshire West and Chester Council	V/78/00121/ORD	T10451

Location (What3Words)	Council	Order reference	Tree Survey Feature ID
South Corridor – north of A556 Chester Road and east of CEMEX Forest Hill Quarry (///choppers.outgoing.once)	Cheshire West and Chester Council	V/76/00018/ORD	W23
South Corridor – north of Vale Royal Locks (///desks.readjust.butlers)	Cheshire West and Chester Council	V/63/00054/ORD	G556

3.3 Felling License

3.3.1 If over 5m^3 of timber is to be removed within a calendar quarter from a woodland there is a requirement, under the Forestry Acts 1967 and 1979 to obtain a Felling Licence from the Forestry Commission (FC) England. An assessment of the quantity of timber to be felled at any one time would be made on determining the final details of the works to be carried out.

3.3.2 A felling licence is not needed if the tree removal is directly required to carry out a development that has already been approved through planning permission or a DCO. General exemptions that remove the need for a felling licence include:

i. Where the trees to be felled are less than 80mm Diameter at Breast Height (DBH) or 150mm DBH for coppice or under-wood, or 100mm DBH for thinnings.

ii. Where the felling of a tree is required to abate a foreseeable nuisance, hazard or danger.

iii. Where trees are to be felled as part of a dedication scheme (e.g. Woodland Grant Scheme (WGS) or English Woodland Grant Scheme (EWGS)), or as permitted by planning permission.

iv. Where trees are within a garden, orchard, churchyard or designated open space (Commons Act 1899).

v. Tree pruning works.

vi. Where the felling is required to comply with a Plant Health Notice or an Act of Parliament.

vii. Where the felling is required in pursuit of statutory service provision.

3.3.3 The clearance of areas to allow for development and infrastructure would therefore be authorised by planning permission or a DCO. Pre-emptive or enabling works undertaken prior to obtaining planning permission may require a felling licence.

3.3.4 A felling licence may also be required as part of any subsequent woodland management works that may be enforced as a condition of planning, DCO or as part of ongoing improvements to the development setting.

3.4 Hedgerow Regulations,1997

3.4.1 The Hedgerow Regulations 1997 provide protection by prohibiting the removal of most countryside hedgerows without first notifying the Local Authority. If a hedgerow is assessed as 'Important' according to the criteria set out in the Regulations, the Local Authority may prohibit its removal by issuing a retention notice within 42 days of receiving a notification. In particular, older hedges, linear tree groups, species diverse hedges and those associated with large trees, water or public rights of way are more likely to meet the criteria for importance.

3.4.2 The Regulations require the assessment of hedgerows in relation to two interrelated elements; 'wildlife and landscape' and 'archaeological and history'.

3.4.3 The assessment of hedgerows to inform this report was limited to basic observations on species, form and dimensions. This is to determine the effects on hedgerows in terms of retention, removal and management. The interpretation of these effects in terms of landscape, visual significance and habitats forms part of **Chapter 5: Biodiversity** and **Chapter 8: Landscape and Visual**.

3.5 Non-Statutory Controls and Designations

Ancient Woodland

3.5.1 Ancient Woodland is a valuable habitat and home to many species of animals and plants, some of which are very rare. It may also have historical and archaeological significance because of low levels of disturbance. Ancient Woodland is regarded as 'irreplaceable' by both EN-1 and National Planning policy Framework (NPPF).

3.5.2 Natural England (NE) defines Ancient Woodland as woodland that has been in continuous existence since at least 1600 AD. An inventory of Ancient Woodland was first initiated in 1981 by the Nature Conservancy Council (a predecessor to NE), but only included woodlands greater than two hectares. Following a successful pilot project in the South East of England, the inventory is being updated using digital techniques to include Ancient Woodland down to 0.25 hectares in size. This update has not yet been completed for the Project area.

3.5.3 Data on the location of Ancient Woodland has been taken from the NE Ancient Woodland Inventory for England (AWIE)[1]. Ancient Woodland is classified in the AWIE in the following ways:

viii. Ancient Semi-Natural Woodland (ASNW) mainly comprising trees and shrubs native to the site, usually arising from natural regeneration; and

ix. Ancient Replanted Woodland (ARW, also known as Plantation on Ancient Woodland Site) where the former native tree cover has been felled and replaced by planted trees, usually of species not native to the site including conifers.

[1] Defra. MAGIC map. (Online). Available at: www.magic.defra.gov.uk

3.5.4 Whilst Ancient Woodland may contain ancient trees, it is not always so. The structure and content of soils, seed bank, ground flora, and other edaphic (soil) characteristics can represent the primary value of an ancient woodland site, especially where the canopy is young or replanted. In addition, many ancient woodlands have been shaped by human intervention over centuries, particularly by management for coppice products, firewood and livestock. These aspects can augment the ecological conservation imperative and add layers of significance or meaning to a site.

3.5.5 The Forestry Commission is a non-statutory consultee for development within 500m of an Ancient Woodland. In collaboration with Natural England, the Forestry Commission publishes Standing Advice on how the effects of development on Ancient Woodland should be assessed[2]. The advice is a material consideration. Current woodland condition and compensation measures may not be considered in the planning balance but mitigation measures that avoid or reduce impacts should be when determining whether harm to Ancient Woodland is acceptable. In particular, a minimum 15m buffer zone from the woodland boundary should remain undeveloped to avoid root damage; larger buffer zones should be provided where necessary to control other types of adverse effect.

3.5.6 **Table 8C3.5** provides details of Ancient Woodland identified inside or within 100m of the Draft Order Limits through desktop searches. This information has been used to aid detailed route design to avoid effects on Ancient Woodland and in making the judgements in accordance with the Standing Advice described above.

Table 8C3.5 Ancient Woodland

Location (What3Words)	Compartment Size (ha)	Description	Feature ID
West Corridor – Sutton Weaver, south of Aston Lane (///staples.lordship.pulps)	22.58 ha	Beckett's Wood; ASNW	G710
West Corridor – Sutton Weaver, south of Aston Lane (///hooked.crackling.corrupted)	13.16 ha	Chapel Wood; ASNW	G710
West Corridor – east of Aston (///modest.skimmers.plump)	25.35 ha	Bird's Wood; ASNW	Not mapped during survey
West Corridor – west of Dutton Lodge (///livid.kingdom.sedated)	1.38 ha	ASNW	G394
West Corridor – west of Dutton Lodge	1.42 ha	ASNW	W36

[2] Uk Government. (2022) Ancient woodland, ancient trees and veteren trees: advice for making planning decisions. (Online) Available at: https://www.gov.uk/guidance/ancient-woodland-and-veteran-trees-protection-surveys-licences (Accessed September 2024)

Location (What3Words)	Compartment Size (ha)	Description	Feature ID
(///reputable.bonkers.fetches)			
West Corridor – south of Lodge Lane along Longacre Brook (///prepare.uppermost.taps)	1.66 ha	Lodge Wood; ASNW	Not mapped during survey
West Corridor – south of Northwich Road (///bond.laser.fortnight)	2.40 ha	Garden Wood; ASNW	Not mapped during survey
North Corridor - east of Chester Road and south of Park Lane (///bottle.bugs.edits)	13.16 ha	Row's Wood; ASNW	W24
South Corridor – south of Northwich Road (///pinks.following.public)	5.60 ha	Dutton Dean; ASNW	W10014
South Corridor – south of A556 Chester Road (///tastings.length.race)	19.86 ha	Hey's Wood; ASNW	W40; G556
South Corridor – south of A556 Chester Road (///scramble.indulges.endlessly)	4.64 ha	Vale Royal Wood; ASNW	Not mapped during survey
South Corridor – south of A556 Chester Road, north of Eaton Lane (///dumpy.upward.snowstorm)	2.09 ha	ASNW	Not mapped during survey

3.6 Veteran Trees

3.6.1 Veteran is a term describing a tree that is of interest biologically, aesthetically or culturally because of its age, size and condition. Overarching National Policy Statement for Energy (EN-1) does not provide a working definition of veteran trees but does describe them as an irreplaceable habitat. Not all veteran trees are ancient, though they tend to be relatively old for the species.

3.6.2 Key habitat features of a veteran tree can be evidence of decay processes, such as hollowing in the trunk; fruit bodies of fungi known to cause wood decay and cavities or rot holes (e.g. where limbs have broken off or bark is damaged); large pieces of dead wood or branch fissures. Consequently, veteran trees can provide a range of rich but scarce habitats supporting rare and endangered species and are an irreplaceable part of England's landscape and biological heritage.

3.6.3 Not all mature trees or those of high habitat interest are veterans. Trees with individual or simple assemblages of features typically associated with veteran trees were also noted[3]. Such trees may become veterans but should not be treated as such for the purposes of impact assessment.

3.6.4 There is no comprehensive national register of veteran trees. An assessment of each individual tree against a set of criteria was made during the tree survey.

3.6.5 Natural England publishes Standing Advice in collaboration with Forestry Commission on how the effects of development on veteran trees should be assessed[4]. The advice is a material consideration and recommends that a buffer zone of at least 15 times the stem diameter or 5m from the canopy edge (whichever is larger) should be provided.

3.6.6 One veteran tree was recorded within influencing distance of the Draft Order Limits during the tree survey. This information has been used to aid detailed route design to avoid or minimise effects on veteran trees and in making the judgements in accordance with BS5837 described above. Further details on the veteran tree are provided within **Table 8C5.15.**

3.7 Habitats of Principal Importance

3.7.1 A list[5] of habitats which are of principal importance for the purpose of conserving biodiversity is maintained by the Secretary of State[6]. The list includes habitat types that are defined by woody vegetation, which are listed below. The geographical extent and location of these habitats (excluding hedgerow) is mapped by Natural England on the Priority Habitat Inventory[7]. Observations were also made to corroborate the mapping during the site survey.

3.7.2 All public authorities, including local planning authorities and statutory undertakers have a duty to have regard to the purpose of conserving biodiversity[8]. Habitats of Principal Importance provide a means of evaluating effects on biodiversity, and thereby a metric to demonstrate the discharge of this duty. In the context of planning, adverse effects on Habitats of Principal Importance that cannot be mitigated are material to decision making.

3.7.3 There are a number of habitat types that pertain to trees:

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[3] See Annex 8C3

[4] Natural England and the Forestry Commission (2022) Ancient woodland, ancient trees and veteran trees: advice for making planning decisions. (Online). Available at: https://www.gov.uk/guidance/ancient-woodland-and-veteran-trees-protection-surveys-licences (Accessed September 2024)

[5] Defra and Natural England (2022) Habitats and species of principal importance in England. (Online) https://www.gov.uk/government/publications/habitats-and-species-of-principal-importance-in-england (Accessed September 2024)

[6] Natural Environment and Rural Communities Act 2006, 41 (1)

[7] Defra. Magic Map https://magic.defra.gov.uk/MagicMap.aspx (Accessed September 2024)

[8] Natural Environment and Rural Communities Act 2006, 40 (1)

- Deciduous Woodland;
- Hedgerow;
- Wood Pasture and Parkland; and
- Traditional Orchard.

Deciduous Woodland

3.7.4 Deciduous Woodland is used to represent a range of woodland types that are not mapped individually. It is likely that the majority of surveyed woodland comes under one of the habitat descriptions although, plantation and commercial tree growing, such as commercial orchards, would not generally qualify as woodland.

Hedgerow

3.7.5 Hedgerows are defined as any boundary line of trees or shrubs over 20m long and less than 5m wide, and where any gaps between the trees or shrub species are less that 20m wide. It may include banks, walls, ditches, herbaceous vegetation, climbing plants or trees within 2m of the centre line. It is likely that a majority of surveyed hedgerows would meet the criteria for inclusion in this habitat type although there is no national mapping data available. Hedgerow locations are based on aerial photography and field surveys.

Wood Pasture and Parkland

3.7.6 Wood Pasture and Parkland is a less common and easily overlooked type of woodland habitat in which trees are a principal structural component but within an open and grazed context rather than high woodland. They are exclusively associated with some species of insects, lichens and fungi which depend on dead and decaying wood. Grazing animals and continuity of management are fundamental to the existence of the habitat and it can be a type of ancient woodland.

3.7.7 There is no Wood Pasture and Parkland identified within 100m of the Draft Order Limits during desktop searches.

Traditional Orchard

3.7.8 Traditional orchards are structurally and ecologically similar to wood-pasture and parkland. However, the dominance of trees in the family Rosaceae, the closer spacing of trees, and the wider spread of small pockets of the habitat type make it distinct. Traditional Orchard includes most non-commercial and non-intensive orchards. They support a wide range of wildlife including rare species and do not just include fruit trees but also the surrounding and associated vegetation, dead wood and water bodies in a complex and structured habitat.

3.7.9 Traditional orchards are defined, for priority habitat purposes, as groups of fruit and nut trees planted on vigorous rootstocks at low densities in permanent grassland; and managed in a low intensity way. Habitat structure rather than vegetation type, topography or soils, is the defining feature of the habitat.

3.7.10 **Table 8C3.6** provides details of Traditional Orchard identified within 100m of the Draft Order Limits during desktop searches.

Table 8C3.6 Traditional Orchards

Location (What3Words)	Compartment size (ha)	Description	Feature ID
West Corridor – east of Cholmondeley Road, Clifton (///rinse.baking.guitar)	0.30 ha	n/a	G10322
North Corridor – north of South Lane, Doe Green (///vans.shaver.chief)	0.08 ha	Four Top'd Oak	Not mapped during survey
North Corridor – east of Warrington Road, Hatton (///tigers.rounds.terms)	0.10 ha	Associated with residential property	Not mapped during survey
East Corridor – east of Village Lane, Higher Whitley (///heckler.vast.decisions)	0.05 ha	n/a	Not mapped during survey
East Corridor – north of Dunham Road (///times.escape.regal)	0.18 ha	n/a	Not mapped during survey
South Corridor – west of Warrington Road, Bartington (///jeeps.sneezing.twitches)	0.28 ha	n/a	G10401
South Corridor – west of Warrington Road, Bartington (///spinners.harvest.unable)	0.23 ha	n/a	G10174
South Corridor – South of the Mersey Canal, Bartington (///decimals.cured.dorm)	0.37 ha	n/a	Not mapped during survey
South Corridor – north west of Acton Lane, Bartington (///dashes.ripen.deriving)	0.48 ha	n/a	Not mapped during survey
South Corridor – north of Station Road (///stole.prompting.majoring)	0.09 ha	n/a	G10181

4. Data Gathering Methodology

4.1 Defining the Study Area

4.1.1 The purpose of this assessment is to evaluate the impacts on trees and hedgerows of the Project. The Study Area must therefore include all trees that could be affected by the development and not just those within the development footprint itself.

4.1.2 The relationship between any tree and the Project is a function of the characteristics of that tree. These include its height; the spread of roots and branches; whether it casts shadow or blocks a sight line; and also its condition and therefore risks associated with working close by. Taken together, these characteristics can be used to define an influencing distance.

4.1.3 A judgement was made by surveyors during the tree survey as to whether trees outside the Draft Order Limits could influence the working area, or vice versa. This typically captured trees up to a maximum of 30m from the Draft Order Limits (based on the height of the tallest trees being the largest component of influencing distance), but in some circumstances tree group or woodland compartments were mapped at greater distances for context.

4.2 Survey Definition

4.2.1 The Study Area was initially screened to identify locations where effects on trees were anticipated based on initial route options and the emerging design work. These areas were then subject to a detailed tree survey, with other trees within influencing distance mapped as either Trees, Groups, Woodlands or Hedges depending on the geometry of each feature viewed using aerial photography and BlueSky's National Tree Map (NTM) database. As the design evolved, additional tree surveys were carried out.

4.2.2 A combination of land access restrictions and design changes made outside the tree survey window of opportunity, means that some trees that could be potentially affected by the Project have not been surveyed in detail. They have been considered in this assessment using assumptions based on each feature viewed using aerial photography, principally geometry, canopy maturity and canopy health.

4.2.3 The final detailed survey extents covered approximately 73% of the Draft Order Limits with the remaining 27% remaining unsurveyed. Assessment of these features in the field will be required at the detailed design stage to inform any avoidance or off-setting requirements.

4.3 Data Capture and Mapping

4.3.1 All survey data was captured digitally using proprietary software tailored specifically to BS5837 surveys. The software has embedded aerial imagery and GPS capability that was used to plot feature point and polygon locations. National Tree Map (NTM) was used where available and applicable to refine feature locations. The NTM is a comprehensive database of location, height and canopy/crown extents for every single tree 3m and above in height produced by Bluesky International Ltd. It is derived from a combination of high-resolution aerial photography, terrain and surface data, and colour infrared imagery.

4.3.2 All woody vegetation with a stem diameter exceeding 75mm was recorded. Below this threshold, vegetation may also have been recorded at the discretion of the surveyor. Survey data underwent a post-survey review to identify any apparently missing or erroneous results.

4.4 Trees, Groups, Woodlands and Hedges

4.4.1 It was the responsibility of individual surveyors to identify the most expedient way to subdivide and record the tree stock into four feature types: Trees, Groups, Woodland and Hedges. This sum total of these decisions provides the 'resolution' of the survey data so a consistent approach is required.

4.4.2 The terms 'tree', 'woodland' and 'hedge/hedgerow' are used in common parlance and also by other environmental disciplines but with a variety of definitions. For example, a row of trees can be defined as a 'hedge' under the Hedgerow Regulations, 1997. UKHab surveys also follow a prescribed set of definitions for habitats, which include woodland and plantation types as well as scattered trees.

4.4.3 In arboriculture, features are generally categorised by form and management characteristics and not by species. For example, common hawthorn (*Crataegus monogyna*) can be grown as a specimen Tree; may be present in a shelter belt Group; may be present in Woodland; and can also be managed as a Hedge.

4.4.4 The following definitions are used in this survey and assessment:

- Tree: A single tree, normally with one conjoined rooting system, which is distinct from surrounding trees either by virtue of size, condition, species or location, such that recording it individually would provide a meaningful differentiation in the survey data.
- Group: Trees occurring collectively, but not necessarily in contact or immediate proximity, which have common function, form, management requirements, or purpose. Areas of tree cover that do not properly qualify as woodland, including plantation.
- Woodland: Areas of tree cover, but not necessarily unbroken, that are more complex than 'Groups'. They tend to have features commensurate with a natural and self-sustaining arboreal habitat such as one or more of: a complex age structure; a complex species mix; woodland ground flora; good litter layer; good natural regeneration; complex fungal associations; evidence of woodland management; and ancient woodland indicator species.

- Hedge: Woody species of whatever kind, which are managed as a hedge or are capable of being returned to management as a hedge. Hedges may contain larger standard trees but these were recorded separately as individual trees or groups. Where the lower parts of larger trees have been managed as a hedge, it is assumed that the uppermost parts could be removed while the hedge remained intact.

4.4.5 Hedgerows were generally defined according to existing patterns of connectivity (e.g. junctions with other hedges), land boundaries or where noticeable changes in species composition or management were noted. Hedgerow with small gaps (typically less than 10m in length), including existing access points were not necessarily recorded as separate features. Such gaps have however been considered during the design process, particularly in relation to the siting of access routes.

4.4.6 In certain instances, relatively tall or bushy vegetation has been defined as hedgerow that might be commonly described otherwise. In such cases a judgement has been made with regard to species composition, form and past management and the definition infers the potential to re-commence or begin management of that feature as a hedge by regular trimming or flailing. This provides a distinction between rows of trees that could readily be reduced in height and those that could not, for example a row of Leyland cypress might be considered a hedge whereas a row of silver birch could not.

4.5 Field Survey

4.5.1 Surveying was undertaken between May 2021 and January 2023 during daylight hours by a team of qualified arboricultural surveyors. Surveying ceased where weather conditions presented a risk to the surveyor or would have impaired the proper functioning of equipment. The period of time between survey commencement and completion was largely governed by land access restrictions and evolution of the project design.

4.6 Survey Attributes

4.6.1 The plotting of a new feature within the survey software opened an associated attribute table that was populated by the surveyor. The following data was recorded for each feature:

Reference number

4.6.2 Trees, Groups, Hedges and Woodlands were automatically assigned a reference number in the format T1, T2, T3… Tn. Groups are referenced in the format Gn, hedges as Hn and woodlands as Wn. These reference numbers were allocated on the basis of survey sequence which was dictated by land access agreement; features do not therefore run sequentially in any one direction. Due to the removal of data as the Order Limits evolved some numbers are also missing from the sequence.

Species

4.6.3 The common name is given. Multiple species were recorded for groups, hedges and woodlands. Where tree condition or inaccessible locations prevented identification of trees to species level, genus was recorded.

Height

4.6.4 An estimated top height of the crown is given in metres. For groups, hedges and woodlands, the height range is given.

Canopy Ground Clearance

4.6.5 The height of the canopy above ground level is given in metres. For groups, hedges and woodlands, the average for the feature is given.

Stem Diameter

4.6.6 A measurement taken at 1.5 metres above ground level, or the nearest representative point below, in millimetres. For multi-stemmed trees a single figure is calculated according to BS5837 4.6. For Groups, Woodland and Hedgerows, the range of diameters is given.

Number of stems/individuals

4.6.7 The number of stems arising below a height of 1.5 metres, or for Groups, Woodland and Hedgerows an estimate or count of the number of trees is given.

Crown Spread (Trees only)

4.6.8 The radial branch spread in metres at cardinal points (N, S, E, W) from the location of the Tree stem at ground level, with optional fields for NE, SE, NW, SW. For groups and woods, the edge of the crown of the group was mapped based on aerial photographs. For hedges, the modal average width was recorded.

Lowest Branch Height (Trees only)

4.6.9 The height of the first significant branch at the point of attachment is given in metres.

Lowest Branch Direction (Trees only)

4.6.10 The direction of growth of the first significant branch from the point of attachment is given in metres.

Maturity

4.6.11 The age of each feature was recorded as Young, Middle-aged or Mature (or for groups, hedges and woodlands only, Mixed). This field is used to describe the developmental stage of a tree or group of trees and is linked to life expectancy.

For the purposes of this survey, the main distinction between age classes is tree size and the rate of growth.

4.6.12 It is not possible to attribute a numerical value to each age class in terms of years. because of the substantial differences between species. Some species such as oaks may be 'Mature' for well over half of the tree's lifespan. Other species such as willows may be 'Mature' for a relatively shorter time. By using the surveyor's observations as an indicator of physiological maturity (as opposed to age) it is possible to distinguish between trees that are relatively small for the species due to immaturity and those that are mature but stunted, windswept or otherwise unlikely to grow much taller.

- *Young*: Trees that are small and/or recently planted and could be relocated or replaced on a like for like basis.
- *Middle-aged*: Trees which are established and independent, within the growth stage of life, and with potential to continue increasing in height and/or spread.
- *Mature*: Trees which have reached ultimate height and/or spread, given the location and surroundings; further increases will be slow or limited.
- *Mixed*: Groups, Woodland and Hedgerows comprising all three maturity classes.

Condition

4.6.13 Condition is an overall assessment of a feature's physiological and structural state, informing longevity and quality categorisation, and supported by *Comments*.

- *Good*: Trees with vitality and resilience commensurate with species and age, and without significant defects or pathogens.
- *Fair:* Trees with tolerable reduction of vitality and resilience, and/or remediable or tolerable defects and/or pathogens.
- *Poor:* Trees with declining or significant loss of vitality and resilience, and/or significant and irremediable defects and/or pathogens.
- *Dead*: Trees without photosynthetic or metabolic capacity, or moribund and in imminent terminal decline.
- *Mixed*: *Groups* and *Woodland* comprising more than one condition class.
- *Veteran*: Trees of exceptional value, meeting the definition set by NPPF including age, size and condition characteristics. Classification is partly informed by the sustained presence of structural defects, physiological decline, and pathogens, and their contribution to biodiversity. Undesirable characteristics in ordinary trees may be desirable in veteran trees, therefore *Veteran* can be understood as a superlative *Condition* that supersedes other categories (excluding *Dead*).

Quality Category

4.6.14 Tree quality was assessed and recorded as per the methodology in BS58372 Trees in relation to design, demolition and construction – Recommendations. This method attributes a quality category to each feature: Category A, B, C, or U.

4.6.15 Category A trees and groups of high quality and value have a life expectancy of over 40 years and will typically fulfil one or more of the following criteria:

- Trees that are good examples of their species, especially if rare or unusual.
- Healthy young trees of good form and vitality.
- Visually dominant individual or component of a larger group or avenue.
- Trees that provide significant screening or softening of effect to the locality in relation to views.
- Trees that comprise a particular visual feature such as an avenue.
- Trees that have particular historical, cultural, or conservation values.

4.6.16 Category B trees and groups of moderate quality and value have a life expectancy of over 20 years and will typically fulfil one or more of the following criteria:

- Trees that are good examples of their species, especially if rare or unusual but are downgraded due to remedial defects or previous poor past management.
- Trees that form significant landscape features.
- Trees that have clearly identifiable historical, cultural, or conservation values.

4.6.17 Category C trees and groups of low quality and value have a life expectancy of over 10 years but that do not qualify as A or B categories. It includes most, if not all, 'Young' trees that could be replaced without net loss of value or function.

4.6.18 Category U trees and groups unsuitable for long-term retention in the vicinity of a significant target such as roads, pedestrians, or buildings. They may be dead, dying, diseased, or have a serious structural defect. These trees may still provide important habitats and where significant targets do not exist their retention is often desirable.

4.6.19 Trees are also described in terms of their primary values, using the following subcategories:

- Subcategory 1 – Mainly arboricultural qualities.
- Subcategory 2 – Mainly landscape qualities
- Subcategory 3 – Mainly cultural values, including conservation

4.6.20 Each subcategory is intended to hold equal weight with some trees qualifying for more than one subcategory without gaining additional value.

Comments

4.6.21 A description of all significant characteristics of the feature and its context that are not described by other attribute fields; including observations to support the classification of Condition, Quality Category and Estimated Remaining Contribution as appropriate.

Management Recommendations

4.6.22 Recommendations for arboricultural works based on the current land use, in the interests of good arboricultural practice. These are incidental to the primary survey purpose, and not a comprehensive schedule in pursuit of any particular objective.

Estimated Remaining Contribution

4.6.23 A forecast of the durability of the feature in its current form and context, and therefore the reliance that can be placed on any benefits or functions it provides. This is influenced by Species and Condition and is not necessarily a forecast of life expectancy.

- Long: more than 40 years.
- Medium: 20 to 40 years.
- Short: 10 to 20 years.
- Very Short: less than 10 years.

4.7 Desktop Searches and Data Handling

4.7.1 TPO information was obtained from relevant local authorities online mapping.

4.7.2 Mapping information for Ancient Woodland and Habitats of Principal Importance was obtained from data layers published by Multi-Agency Geographical Information for the Countryside (MAGIC)[9].

4.8 Root Protection Areas

4.8.1 Using the results of the field survey a Root Protection Area (RPA) has been calculated in accordance with BS5837 using each tree's stem diameter at 1.5 metres. The RPA represents the minimum area around each tree that must be left undisturbed to ensure its survival.

4.8.2 Due to the lack of detailed topological information RPAs shown on **Annex 8C1** have not been adjusted to reflect site conditions that might have influenced the rooting pattern of trees. For individually recorded trees RPAs are shown as a circle centred on the stem. For groups and woodlands the RPA has been applied as an offset from the canopy edge depending on tree quality (i.e. BS5837 quality categorisation) and the individual attributes of the feature (i.e. age and average stem size). In general this is likely to slightly exceed an RPA calculated based on

[9] www.magic.defra.gov.uk (Accessed 02 July 2024)

stem diameter and applied as a stem offset, opposed to the canopy edge offset used in the current method.

- High quality groups and woodland (Category A) - an offset of between 5m and 7.5m.
- Moderate quality groups and woodland (Category B) - an offset of between 2.5m and 5m.
- Low quality groups and woodland (Category C) - an offset of between 1m and 2.5m.

4.8.3 RPAs in specific locations will be refined at the detailed design stage.

4.9 Ancient and Veteran Tree Assessment Criteria

4.9.1 The Applicant has committed to the avoidance of loss or harm to ancient and veteran trees within **Appendix 3C: Register of Environmental Actions and Commitments**. The tree survey was undertaken objectively and without bias towards this ambition to identify trees which meet the definition of 'veteran'.

4.9.2 EN-1 does not provide a working definition of veteran trees and therefore this assessment uses the definition provided by NPPF, which is widely used as the standard definition for planning decisions in England. This defines veteran trees as those which, because of age, size and condition, are of exceptional biodiversity, cultural or heritage value.

4.9.3 In order to reach a decision on whether the NPPF defintion is met, it is necessary to determine whether the age, size *and* condition of a tree confer exceptional value for either biodiversity, cultural or heritage reasons. There is no prescribed method of determining how each of these factors is measured, nor a fixed threshold for contribution towards exeptional value. However, there is industry guidance that should be followed and which may complement the surveyor's professional judgement.

4.10 Size

4.10.1 Size is a gateway characteristic for veteran trees. That is to say, trees that fail to meet the relevant minimum size threshold cannot be veterans within the NPPF definition.

4.10.2 Size refers to the total biomass of a tree, as well as possibly the spread of its aerial and underground parts. For the purposes of evaluating candidate veteran trees, both may be relevant. However, it is not straightforward, or always reliable, to make an assessment on these factors. Therefore, the size of the stem is used as the primary metric.

4.10.3 Stem diameter has been measured in accordance with Annex C of BS5837. The Standard provides a method of measuring the DBH for both single and multi-stemmed trees. The objective of DBH measurement is a reliable estimate of the accumulated cross-sectional area of the tree at the point which best represents the

tree's size, in a way that can be compared to other trees of the same, or different species.

4.10.4 Having established tree sizes, in this case based on their respective stem diameter, we must compare them to some threshold to determine whether they are sufficiently large to be capable of veteran status. This amounts to a question: *is the tree large for its species, and if so, to what extent*? In this, it is not sufficient for a tree to simply be a typical mature example of the species. Trees must therefore be in a small percentile at the upper end of what is possible for the species to achieve. If not exceptionally large for the species, veteran trees must at least be unusually large. This is principally because it is the biomass of the tree that provides the volume and material for exceptional biodiversity and therefore the conditions for an irreplaceable habitat to have developed.

4.10.5 The Ancient Tree Forum produced guidance[10] on veteran trees with respect to thresholds for size, as an indicator of life stage (age). It presents a graphical representation of 11 tree species as they pass through the *Locally Notable*, *Veteran/Notable*, and *Ancient* life stages as a function of their size. **Table 8C4.1** provides the DBH threshold which unlocks Veteran/Notable and Ancient status for species recorded close to or exceeding these thresholds during the tree survey.

4.10.6 The term Veteran/Notable acknowledges that a tree which exceeds the stem size threshold may or may not be a veteran, depending on its condition. Notable trees in this context are those which meet the age or size criteria for veteran classification, but not condition criteria. Trees which are just below the size threshold are regarded as Locally Notable. These trees may also support some veteran characteristics and could become veterans in the future. Notable trees have no specific protection in legislation or policy but are typically those of high quality in accordance with BS5837, which may present the most immediate opportunities for the development of future veteran trees, and their retention should therefore be prioritised.

Table 8C4.1 Size thresholds for veteran and ancient status

Species	Veteran / Notable	Ancient
Common ash	>1,240mm DBH (3.9m girth)	>1,560mm DBH (4.9m girth)
Crack willow	>1,240mm DBH (3.9m girth)	>1,750mm DBH (5.5m girth)
Downy birch	>670mm DBH (2.1m girth)	>920mm DBH (2.9m girth)
Hybrid black poplar	>1,180mm DBH (3.7m girth)	>1,670mm DBH (5.2m girth)
Native black poplar	>1,500mm DBH (4.7m girth)	Not enough data
Norway maple	>800mm DBH (2.5m girth)	Not enough data

[10] Lonsdale, D. (ed.) (2013) Fig. 1.3. Ancient and other veteran trees: further guidance on management. The Tree Council, London 212pp

4.11 Age

4.11.1 *The White Method for Estimating the Age of Large and Veteran Trees in Britain*[11] was published by the Forestry Commission in 1998. It relies upon comparison of stem diameter (DBH) with lists of measurements of known date. From these the likely performance of various species in different locations on particular site types can be evaluated. Cross-referencing between individual specimens is credible because trees develop predictably through well-defined patterns of growth. Age can be calculated largely from annual ring areas within the stem, as determined by a simple stem diameter measurement.

4.11.2 Age and size are strongly linked but the link can be altered by management or environmental factors that impede growth. Where no such factors exist, it is reasonable to presume that trees which are sufficiently large to be veterans are also sufficiently old. Where growth limiting factors are present, such as pollarding, they would tend to result in trees that are older than their size would suggest, but never younger. Therefore, in most cases, it is appropriate to defer to size as a means of satisfying the age criteria. However, age should also be considered in its own right, particularly because some very old trees may be relatively small.

4.12 Condition

4.12.1 For the purposes of assessing trees against the NPPF definition for 'veteran', condition refers to the *physical* attributes of a tree other than size and age. These attributes are often described collectively, or individually, by the term *Veteran Characteristics*. These characteristics include both the physical state of the tree (often as a result of physiological condition due to a mature life stage), and associations or relationships with other organisms, such as fungi.

4.12.2 The condition of the tree, and veteran characteristics, are almost exclusively a subset of biodiversity value. Where exceptional biodiversity value is the reason for veteran status, it must rest on the number, type and quality of veteran characteristics. Veteran characteristics are principally interesting and valuable because of their ecology, which can host particular associations with very old trees and are therefore rare.

4.12.3 Veteran characteristics do not suddenly appear overnight as a tree passes the theoretical age and size threshold for veterans of its species. They develop over time and must, by definition, be present well before a tree becomes a veteran; a tree without them cannot be a veteran and they take time to develop. Emerging and simple veteran characteristics are found on mature and middle-aged trees. It is the size, quantity, quality, complexity and functionality of the assemblage of features that marks a tree as a veteran.

[11] White, J (1998) Estimating the Age of Large and Veteran Trees in Britain, Forestry Commission.

4.12.4 The English Nature Specialist Survey Method[12] (SSM) tells us how to measure and record veteran characteristics. It lists approximately eighteen condition characteristics of which some are deemed by the author to be of primary importance in the classification of veteran trees. For the purposes of this assessment veteran trees were classified if they meet the age and size thresholds and have four out of the five following features:

- Sites associated with wounds which are decaying >400cm2;
- Holes and water pockets in the trunk and mature crown >5cm diameter;
- Dead branches or stems >15cm diameter;
- Any hollowing in the trunk or major limbs; and
- Fruit bodies of fungi known to cause wood decay.

[12] Fay, N. and de Berker, N. (1997) Specialist Survey Method. Veteran Trees Initiative, English Nature.

5. Overall Arboricultural Baseline

5.1 Description of the Treescape

5.1.1 The Draft Order Limits for the Project (including optionality) covers an area that is approximately 1,620ha in size and includes the construction and operation of approximately 100km of new pipeline. The Project connects the Hydrogen Production Plant at the Stanlow site in Ellesmere Port transporting hydrogen to the Central Hub north of Bartington (West Corridor). This then serves as the connection and onward distribution point to the North, East and South corridors, which would extend to St. Helens, Partington and Northwich respectively.

5.1.2 The tree survey recorded 1,693 individual trees, 1,059 groups of trees, 49 woodlands, and 558 hedges inside or within influencing distance of the Draft Order Limits. Of these, 635 trees, 414 groups of trees, 16 woodlands and 238 hedges were not surveyed in detail due to land access restrictions but mapped via aerial imagery. Despite these access limitations, the use of aerial mapping provides a reliable overview, ensuring that the absence of detailed surveys for these areas does not compromise the validity of the overall assessment. Further detailed surveys will be undertaken at the detailed design stage. A record of species, measurements and observations captured during the survey is included at **Annex 8C3** of this report.

5.1.3 Feature locations, their quality categories, canopy spreads and root protection areas are shown in **Annex 8C1** of this report. **Table 8C5.1** provides the total canopy area for mapped trees and the total length of mapped hedgerow in **Annex 8C1**. In some cases this may be more than the absolute area of cover due to canopy overlap between adjacent features.

5.1.4 The total area of mapped tree cover is 257.4ha, of which 188ha (73%) has been surveyed in detail. Out of all mapped canopy cover, individual trees account for approximately 5.3%; tree groups 64.3% and the rest woodland.

5.1.5 The total length of mapped hedgerow is 86.3km, of which 47.3km (55%) has been surveyed in detail.

Table 8C5.1 Tree cover

Feature	Number surveyed	Amount surveyed	Number not surveyed (mapped via aerials)	Amount not surveyed (mapped via aerials)
Trees	1,058	10.4 ha	635	3.1 ha
Groups	645	116.3 ha	414	49.0 ha
Woodlands	33	61.1 ha	16	17.2 ha
Hedges	320	47.3 km	238	39 km

5.1.6 Tree canopy cover inside or within 100m of the Draft Order Limits is in the region of 16%, which is higher than average for the region and relatively high compared to the national average.

5.1.7 The Forestry Commission's National Forest Inventory (NFI, 2020[13]) supplemented by a study into Tree Cover Outside Woodland in Great Britain (2017)[14] provides a basis for estimating tree cover by region and nationally. The average tree cover for the whole of England is 14.6% and for the North West is 12.2%.

5.1.8 The nature of the Project dictates that, in general, the Draft Order Limits does not include built up areas. The tree population within the survey area is therefore mainly associated with agricultural land, open space and land along roads and watercourses. A number of individual properties, particularly farms and commercial premises, that are within or close to the Draft Order Limits were included and tend to be associated with more trees than open agricultural land.

5.1.9 The Draft Order Limit survey has been separated into Corridors for the purposes of description and evaluation. These areas are shown in **Annex 8C1** of this report and reflect geographical distinctions and changing characteristics across the route. The tree population is described briefly below with reference to these Corridors.

5.1.10 The nature and distribution of tree cover is highly heterogeneous across the Project area. There are many more trees along the North Corridor and East Corridor of the route than there are along the West and South Corridors. The average age profile and species recorded also change according to the characteristics of each corridor.

[13] Forest Research. National Forest Inventory. (Online) Available at: https://www.forestresearch.gov.uk/tools-and-resources/national-forest-inventory/ (Accessed September 2024)

[14] Forest Research. Tree Outside Woodland. (Online) Available at: https://www.forestresearch.gov.uk/tools-and-resources/national-forest-inventory/trees-outside-woodland-tow/ (Accessed September 2024)

5.2 West Corridor

5.2.1 The West Corridor contains approximately 63.5 ha of tree cover of which 81% has been surveyed in detail. 8,641 m (49%) of hedgerow has also been surveyed in detail with a further 9,085 m (51%) unsurveyed.

5.2.2 The West Corridor contains the fewest trees of the 4 corridors, with most recorded as groups (49.6 ha) but they're mostly in good or fair condition. Notably, it has more fair condition groups than good ones. Both woodland areas are in good condition. Hedges are primarily in good condition, with some in fair condition.

5.2.3 Within the West Corridor 56% of the surveyed tree canopy area is BS5837 quality Category B, 25% is Category C, 1% is Category A, and 0.0447 hectares are Category U.

Table 8C5.2 Tree cover in the West Corridor

Feature	Number surveyed	Amount surveyed	Number not surveyed (mapped via aerials)	Amount not surveyed (mapped via aerials)
Trees	112	1.1 ha	49	0.2 ha
Groups	168	39.0 ha	93	10.6 ha
Woodlands	3	11.6 ha	1	1.1 ha
Hedges	50	8,641 m	53	9,085 m

Table 8C5.3 Top 5 species recorded as individual Trees in the West Corridor

Common Name	Number of Individual Trees	Percentage of Individual Trees
Sycamore	55	49%
Pedunculate oak	19	17%
Black locust	8	7%
Common ash	6	5%
Norway maple	3	3%

Table 8C5.4 Top 5 species recorded in Groups and Woodland in the West Corridor

Common Name	Number of Instances	Percentage of groups and woodland containing the species
Common Hawthorn	104	16%
Goat willow	67	11%
Elder	67	11%
Sycamore	46	7%
Silver birch	43	7%

5.2.4 Tree and group cover in the West Corridor tends to be associated with the highways network and the creation of shelter for agricultural land. The frequency of larger individual hedgerow trees is lower than that further to the east and south of the study area and the average size of such trees where they are present is smaller.

5.2.5 The highest concentration of trees is located either side of the River Weaver and Weaver Navigation. It includes large swathes of maturing woodland cover within younger plantation and scrub.

5.2.6 The presence of hedgerow was markedly low, with fields tending to be defined by soil banks, ditches or strips of herbaceous vegetation.

5.2.7 Hawthorn and sycamore are abundant within the West Corridor. It is not unusual that smaller and very common tree species such as hawthorn, or those that can colonise areas quickly should form such a substantial component of a tree population. However, they are typically associated with understorey, hedgerow and boundary scrub and would be expected mainly within groups and hedges as the survey results demonstrate.

5.3 North Corridor

5.3.1 The North Corridor contains approximately 92.1ha of tree cover of which 73% has been surveyed in detail. 13,653m (57%) of hedgerow has also been surveyed in detail with a further 10,424m (43%) unsurveyed.

5.3.2 The North Corridor contains the highest number of trees and groups in good condition among all four corridors. Woodlands are evenly split between good, fair, and mixed conditions. Hedges are predominantly in good condition. The corridor shows a generally healthy tree population.

5.3.3 Within the North Corridor 46% of the surveyed tree canopy area is BS5837 quality Category B, 14% is Category C, 12% is Category A, and 0.0443 hectares are Category U.

Table 8C5.5 Tree cover in the North Corridor

Feature	Number surveyed	Amount surveyed	Number not surveyed (mapped via aerials)	Amount not surveyed (mapped via aerials)
Trees	286	2.5 ha	298	0.95 ha
Groups	231	35.8 ha	180	16.5 ha
Woodlands	23	28.8 ha	12	7.6 ha
Hedges	88	13,653 m	90	10,424 m

Table 8C5.6 Top 5 species recorded as individual Trees in the North Corridor

Common Name	Number of Individual Trees	Percentage of Individual Trees
Pedunculate oak	96	34%
Common ash	40	14%
Sycamore	36	13%
Goat willow	22	8%
Common beech	18	6%

Table 8C5.7 Top 5 species recorded in Groups and Woodland in the North Corridor

Common Name	Number of Instances	Percentage of groups and woodland containing the species
Common hawthorn	103	11%
Pedunculate oak	98	10%
Goat willow	88	9%
Sycamore	74	8%
Silver birch	64	7%

5.3.4 The North Corridor contains the highest count of both individually recorded trees and hedgerows, as well as the greatest proportion of tree cover recorded across the study area. Pedunculate oak is by far the dominant species, accounting for one third of all species recorded.

5.3.5 The Draft Order Limits pass through a complex of woodland compartments in Moore Nature Reserve between the Weaver Navigation and the River Mersey and adjacent to a pocket of Ancient Woodland south of Higher Walton, but otherwise woodland is relatively scarce within proximity to the route within the North Corridor.

5.4 East Corridor

5.4.1 The East Corridor contains approximately 52.1ha of tree cover of which 65% has been surveyed in detail. 11,757m (54%) of hedgerow has also been surveyed in detail with a further 10,122m (46%) unsurveyed.

5.4.2 The East Corridor contains the highest number of individually recorded trees of the four corridors, with condition mostly fair, followed closely by good. Groups are predominantly good or fair. Woodlands are mostly in good condition, and hedges are largely in good condition with some fair.

5.4.3 Within the East Corridor, 19% of the surveyed tree canopy area is BS5837 quality Category B, 20% is Category C, 25% is Category A, and 0.0439 hectares are Category U.

Table 8C5.8 Tree cover in the East Corridor

Feature	Number surveyed	Amount surveyed	Number not surveyed (mapped via aerials)	Amount not surveyed (mapped via aerials)
Trees	377	3.8 ha	214	1.5 ha
Groups	111	17.4 ha	75	9.2 ha
Woodlands	4	12.7 ha	2	7.6 ha
Hedges	50	11,757 m	76	10,122 m

Table 8C5.9 Top 5 species recorded as individual Trees in the East Corridor

Common Name	Number of Individual Trees	Percentage of Individual Trees
Pedunculate oak	241	64%
Common ash	38	10%
Sycamore	26	7%
Common alder	22	6%
Wild cherry	7	2%

Table 8C5.10 Top 5 species recorded in Groups and Woodland in the East Corridor

Common Name	Number of Instances	Percentage of groups and woodland containing the species
Pedunculate oak	54	15%
Common hawthorn	51	14%
Goat willow	32	9%
Common hazel	30	8%
Common alder	29	8%

5.4.4 The treescape in the East Corridor is similar to that within the North, with the landscape defined by fields enclosed by hedgerows studded by oak trees. Pedunculate oak also forms the most dominant species recorded in this corridor accounting for almost three quarters of the species recorded and the age, size and overall condition of these trees is also proportionally higher than the West and North Corridor.

5.4.5 Nearly 4 ha of features were recorded as individual trees within the East Corridor, more than any other. This is due in part to an increase in the quality of large hedgerow trees recorded, many of which line small watercourses or the edge of rural lanes.

5.5 South Corridor

5.5.1 The South Corridor contains approximately 49.6ha of tree cover of which 71% has been surveyed in detail. 13,293 m (58%) of hedgerow has also been surveyed in detail with a further 9,437m (42%) unsurveyed.

5.5.2 The South Corridor contains more variability in health compared to other corridors. While many trees and groups are in good or fair condition, it has the highest number of poor and dead trees. It is the only corridor with a recorded veteran tree. Hedges are almost equally split between good and fair conditions, with a few in poor condition.

5.5.3 Within the South Corridor 41% of the surveyed tree canopy area is BS5837 quality Category B, 20% is Category C, 10% is Category A, and 0.0583 hectares are Category U.

Table 8C5.11 Tree cover in South Corridor

Feature	Number surveyed	Amount surveyed	Number not surveyed (mapped via aerials)	Amount not surveyed (mapped via aerials)
Trees	283	3.1 ha	74	0.6 ha
Groups	135	24.1 ha	66	12.7 ha
Woodlands	3	8.1 ha	1	1.0 ha
Hedges	50	13,293 m	101	9,437 m

Table 8C5.12 Top 5 species recorded as individual Trees in the South Corridor

Common Name	Number of Individual Trees	Percentage of Individual Trees
Pedunculate oak	168	59%
Common ash	23	8%
Sycamore	21	7%
Common alder	10	4%
Scots pine	8	3%

Table 8C5.13 Top 5 species recorded in Groups and Woodland in the South Corridor

Common Name	Number of Instances	Percentage of groups and woodland containing the species
Pedunculate oak	58	12%
Common hawthorn	56	12%
Common ash	34	7%
Sycamore	31	7%
Elder	28	6%

5.5.4 Tree cover across the South Corridor is typical of that found across the Cheshire countryside and defined by the enclosed field pattern, with larger individual trees becoming more frequent. Pedunculate oak is the dominant species but there is also a slightly higher proportion of ash within the South Corridor compared to the others.

5.5.5 Woodland cover is lower across the South Corridor than it is the others. This is potentially due to the existing land use as the Corridor weaves its way through a landscape of small towns, villages and hamlets. Of the four areas of woodland that was recorded, three are designated as Ancient Woodland.

5.6 Tree Condition

5.6.1 A very small proportion of surveyed features were recorded as being in poor condition. 92% of individual Trees, 87% of Groups, and 99% of Hedges were in good or fair condition. It is to be expected that most trees would normally be in an acceptable condition, subject to available resources and a lack of disturbance. Poor condition tends to be associated with disturbance or damage and the general good health of trees indicates a relatively low general level of disturbance and favourable growing conditions.

5.6.2 The condition of woodlands was more variable, with 72% being in good and fair condition and the remaining 28% in mixed condition. This is to be expected of naturally sustaining habitat containing trees in all stages of their life cycle. The presence of dead and dying trees within a population, providing there is no underlying cause for mass mortality, increases biodiversity and opportunities for successional tree growth.

Table 8C5.14 Condition of Trees, Groups, Woodland and Hedges

Feature	Veteran	Good	Fair	Poor	Dead	Mixed
Trees	1	503	479	64	11	0
Groups	0	273	286	8	1	77
Woodland	0	12	12	0	0	9
Hedges	0	200	117	3	0	0
Total	**1**	**988**	**894**	**75**	**12**	**86**

5.6.3 Veteran is recorded as a condition and not an age class. This reflects the distinction between trees that have developed the characteristics of age and constitute an exceptional habitat, landscape feature or arboricultural monument from those which are mature but in poor condition and unlikely to provide significant benefits beyond the short-term. Trees that were deemed to meet the strict definition of veteran status in accordance with NPPF are listed in **Table 8C5.15**. In accordance with government Standing Advice an increased buffer of 15 times their stem diameter (compared to 12 times in accordance with BS5837) or

5m from the canopy edge (whichever is larger) has been applied to all trees listed in **Table 8C5.15** within which construction will be avoided or carefully controlled during the detailed design stage.

Table 8C5.15 Veteran Trees

Location (What3Words)	Species	Feature ID
South Corridor – South of Moulton, west of Jack Lane (toenail.relieves.missions)	Native black poplar	T1204

5.6.4 A large proportion of the trees included in the tree survey are mature, of great age and are in a condition commensurate with their age. Some have a stem girth that meets or exceeds the threshold for veteran status but they lack the physical veteran characteristics, other than size, required to confer exceptional biodiversity value. Other trees identified with the required number of veteran characteristics but the overall size of the tree or the features themselves was insufficient to meet the 'veteran test' set by this assessment using the definition provided by NPPF. These trees are regarded as Notable and are listed in **Table 8C5.16** and although they do not currently engage the policy protection of NPPF, they have the highest likelihood of doing so in the future. In recognition of this, an increased buffer of 15 times their stem diameter (compared to 12 times in accordance with BS5837) has been applied to all trees listed in **Table 8C5.16.** All construction except for the area around T476 has been designed to avoid retained Notable trees. The stem of T476 sits outside of a Microtunnel Entry compound but has a Root Protection Area that extends into the compound by approximately 2m **(Figure 8C.104)**. During the construction stage, T476 can be retained but will need to be protected with the appropriate tree protection measures that could include fencing, ground protection and potentially arboricultural supervision during the works.

Table 8C5.16 Trees approaching Veteran status

Location (What3Words)	Species	Feature ID	Reason why not veteran
North Corridor – Peel Port, east of Lapwing Lane (bared.labs.orders)	Downy birch	T32	Fails to meet veteran condition criteria
North Corridor – St. Helens, east of A570, north of Chapel Lane (lock.tarnished.silence)	Crack willow	T369	Fails to meet exceptional size criteria
East Corridor – North west of Antrobus off Well Lane (pounding.sprayer.firmer)	Common ash	T408	Fails to meet veteran condition criteria

Location (What3Words)	Species	Feature ID	Reason why not veteran
West Corridor – west of Sutton Weaver, adjacent unnamed track off the River Weaver (depending.whirlwind.sprinkler)	Hybrid black poplar	T476	Fails to meet veteran condition criteria
South Corridor – north east of Bostock adjacent the River Dane (lengthen.sorry.dupe)	Native black poplar	T522	Fails to meet veteran condition criteria
East Corridor – North of Arley off Caldwell's Gate Lane (proudest.waddled.tacky)	Common ash	T755	Fails to meet veteran condition criteria
West Corridor – Sutton Weaver, adjacent private access off Aston Lane (abstracts.solicitor.riding)	Norway maple	T1038	Fails to meet veteran condition criteria

5.6.5 The possibility exists for veteran trees to be present within the un-surveyed features that were not subject to a detailed survey due to land access restrictions. Based on aerial photography analysis however, this risk is considered to be relatively low for the vast majority of the features as they are either; narrow linear vegetation which is likely to be outgrown hedgerow; young plantation; street and avenue trees; in sections of all pipeline corridors that would be installed using trenchless techniques; or adjacent to existing access tracks to which the Project would have limited or no impact.

5.6.6 To ensure that any additional veteran trees are identified and protected from construction, additional arboricultural survey work will be undertaken in areas which currently lack coverage before the removal of any trees takes place. This would occur at detailed design.

5.7 Tree Quality Categorisation

5.7.1 BS5837 sets out a system of tree valuation which is a recognised and consistent approach in the arboricultural industry for making informed judgements on development opportunity and constraint.

5.7.2 Under B5837, the categorisation process allows a weighting to be given to each tree in respect of arboricultural, cultural, ecological and/or landscape qualities. British Standard 5837:2012 is not a rigid or prescriptive system but a tool to inform decisions about tree retention and protection. The attribution of 'high value' to a tree does not necessitate its protection, nor does a lower classification mean that a tree should not be properly considered during the development process.

5.7.3 Hedgerow is not afforded a quality value as it falls outside the scope of BS5837 categorisation criteria.

5.7.4 A summary of the quality categories is provided in **Table 8C5.17**. For a tree to qualify under any given category, it must be within the scope of the definition for that category. For trees in categories A, B or C, trees should also qualify under at least one of three subcategories (1, 2, or 3); these are intended to reflect arboricultural and landscape qualities, and cultural values (including conservation), respectively. This system places no greater emphasis on any of the subcategories and thereby reflects the way in which two trees might have a comparable quality but for differing reasons and not necessarily limited the condition of the tree.

Table 8C5.17 BS5837 trees quality categorisation criteria

Quality Category	Description
Category A	Trees of high value including those that are particularly good examples of their species and/or those that have visual importance or significant conservation or other value
Category B	Trees of moderate value including those that do not qualify as Category A due to impaired condition and/or those that collectively have higher value than they would as individuals; also trees with material conservation or other value
Category C	Trees of low value including those with very limited merit or impaired condition; trees offering transient or temporary landscape benefits
Category U	Trees with irremediable defects and anticipated early loss due to collapse; dead trees or those in immediate decline and those with infectious pathogens that threaten other trees

5.7.5 The following tables show the spread of tree quality in the surveyed population. The majority of trees fall into the Category A and Category B bands; representing ‘High’ and ‘Moderate’ quality. Features that weren’t surveyed weren’t assigned a quality category and have therefore been excluded from the figures.

5.7.6 The quality of trees recorded in groups is slightly weighted towards ‘Low’ Category C, representing a tendency for larger trees to be recorded as individuals, particularly Category A trees, even where these are growing in close proximity.

Table 8C5.18 Quality categorisation of surveyed Trees

Category A	Category B	Category C	Category U
183 trees	567 trees	273 trees	35 trees

Table 8C5.19 Quality categorisation of surveyed Groups

Category A	Category B	Category C	Category U
22 groups	235 groups	382 groups	6 groups

Table 8C5.20 Quality categorisation of surveyed Woodland

Category A	Category B	Category C	Category U
7 woodland	23 woodland	3 woodland	0 woodland

Table 8C5.21 Quality categorisation by area of Trees, Groups and Woodland

Category A	Category B	Category C	Category U
30.4 ha	108.2 ha	49.2 ha	0.2 ha
12% of total	42% of total	19% of total	<1% of total

5.7.7 Under BS5837, features can be categorised with any combination of sub-categories. Category U features are not assigned a sub-category because they comprise trees failing to meet any of the criteria for the higher categories, including an assumed longevity of at least ten years. For these reasons, the totals for sub-categories exceed the number of surveyed features.

Table 8C5.22 Quality sub-categories of Trees, Groups and Woodland

Sub-category 1	Sub-category 2	Sub-category 3
790 trees	500 trees	229 trees
155 groups	576 groups	113 groups
10 woodland	32 woodland	21 woodland

6. Assessment Methodology

6.1 Introduction

6.1.1 This assessment follows the methodology described in BS5837. At the core of this process is a spatial comparison between the existing tree stock (as quantified during the survey) and the Project. This is a static analysis, created by superimposing the Project over the tree survey data; this method was used in the assessment of both temporary and permanent components.

6.1.2 The condition, size, context and quality of each tree, group, woodland or hedgerow was evaluated against the proposed works in its vicinity. The availability of alternative working methods, the need for that component of the development to take the proposed form in that location, and any particular qualities afforded by those trees were also considered.

6.1.3 Ultimately, the outcome of the Impact Assessment process is a proposal for each tree, group, woodland and hedgerow to describe what would happen to it as a result of development. This proposal should be considered to be a part of the description of the Project and forms a commitment to operate within stated parameters during its construction.

6.1.4 In some instances it is not possible to provide a precise number of trees for removal (such an area of trees within a larger group). In other cases, it is not possible to specify precisely which individual trees, up to a known quantity, would be affected (where there is flexibility in the Project). It is also probable that the actual level of tree removal and management would be lower than is described in this report because of the necessity to include all works that might reasonably be required in the Draft Order Limits (such as the pruning of branches that may grow over an access during the works).

6.1.5 This report is intended to give a meaningful description of a RWCS in terms of tree loss and cutting. Unless stated otherwise, all references and impacts relate to the construction alignments shown on **Annex 8C2** of this report. Any uncertainties or approximations are identified in the text.

6.1.6 It is important to recognise that the alignment of the working corridor for the pipeline and necessary working space around different construction elements might change, within limits that are set by the Draft Order Limits. For example, the standard temporary working construction corridor may need to be widened to allow sufficient space for access or equipment at trenchless crossings and to avoid obstacles or narrowed to avoid existing constraints. The Draft Order Limits and Limits of Deviation have been defined in consideration of this possibility.

6.1.7 The **Register of Environmental Actions and Commitments** provided in **Appendix 3C** of the Draft ES describes parameters that constrain the flexibility that would be allowed in respect of certain types of arboricultural feature. These are discussed further in **Section 8**.

6.2 Definitions

6.2.1 Each feature (tree, group, woodland or hedge) is categorised according to the works required to that feature in order to deliver the Project as shown on **Annex 8C2** of this report. The three categories are Unaffected; Remove; and Prune.

6.2.2 For groups, woodland and hedges, it is possible for one part of the feature to be shown as Unaffected, Remove or Prune whilst other parts fall into one or both of the other categories.

6.3 Unaffected

6.3.1 Trees, groups and hedges that are Unaffected are those that would not be removed and for which no pruning works are proposed. It is possible to implement the Project without causing unacceptable harm to that feature. Where necessary, protection measures would be installed according to BS5837 to ensure the retention of that feature in a satisfactory condition.

6.3.2 Where a feature is shown as Unaffected, this does not necessarily mean that there would be no effect whatsoever on that feature. The classification represents a judgement according to BS5837 that any effects would be, or can be made to be, insignificant. For example, where tree roots spreading further than the defined RPA are affected by adjacent works but that would not materially affect tree condition. The commitment to ensure that any particular tree remains Unaffected may, in some cases, constitute a commitment to operate in a particular way. For example, where the use of temporary trackway would allow vehicular access over tree roots that would otherwise have damaged the tree.

6.3.3 Hedges that have not been pruned to maintain the dimensions at the time of survey may require cutting. Trees adjacent to highways or existing access routes that have been allowed to encroach and obstruct access to normal vehicles may also require minor remedial works. Any such works would be consistent with normal maintenance requirements and would generally be required because of a disparity between the dates of routine pruning and the requirement for access. Works to maintain the baseline condition are not included as an effect and Unaffected trees and hedges may be subject to minor pruning to reinstate or continue a previous established management pattern.

6.4 Remove

6.4.1 Individual trees shown as Remove are those that must be felled at ground level to facilitate the Project. This includes trees that may regrow but where this would fundamentally change the characteristics or quality of the tree or where there is not a reasonable prospect of survival. Since this effect cannot be relied upon, it is not reflected in the impact assessment.

6.4.2 Hedges shown as Remove are those sections that must be felled at ground level to facilitate the Project.

6.4.3 The area of a tree group or woodland that would be removed relates to the canopy area. Individual stems within a group are not plotted and therefore it is not possible

to calculate precisely which individual trees would be removed. In order to estimate the worst case scenario, sections of tree groups and woodland are shown as Remove where they conflict with the Project and it must be assumed that there are stems within the area of conflict. In practise, such removal may only describe the removal of overhanging branches; for example, where the area to be removed is a narrow strip along the edge of a group.

6.4.4 Where it is known that the overlap between tree group or woodland canopy spread and the Project applies to branch spread only and does not include any stems, these areas are instead shown as Prune to better reflect the proposal. Examples of this principal would include places where it is certain that there are no tree stems beyond a certain point, such as where trees are overhanging a road or car park.

6.4.5 It is not necessarily a requirement that stumps must be ground or grubbed out and it is possible that some trees would re-grow from remaining stumps, albeit in a different form. In some instances, such as in larger groups, this may be desirable or even encouraged; particularly where specific habitat types must be maintained. In the case of woodland, Removal describes any proposed intervention that fundamentally changes the characteristics of that feature, such that it could no longer be described as being a woodland in its original sense. This does not necessarily imply that every tree within the area must be removed; it may be possible within areas of Removal to preserve some of the more valuable features by the retention of deadwood; the creation of standing dead stems or pollards from mature trees; the retention of understorey and smaller trees, or the reduction of significant individual trees. Unless specified otherwise, the Applicant is seeking permission to remove trees entirely but where this is not required, it would not be undertaken.

6.5 Prune

6.5.1 The Prune outcome relates to any regime of cutting that would alter the size or nature of a feature but without fundamentally destroying its quality and function. This could include either tree and hedgerow branches, their roots or both.

6.5.2 Pruning of an individual tree in excess of 20% of a canopy area (in plan) is considered to fundamentally alter the quality and future prospects of the tree and such trees are shown for removal unless overriding factors exist (for example where it is known that the area of affected canopy comprises a single elongated branch that could be shortened without harmful effect). The whole tree is coded for Pruning but the actual location of branches for pruning would be determined after the DCO is made as part of a Tree and Hedgerow Protection Strategy.

6.5.3 Pruning of a hedge means reduction of one or more dimensions (other than length) but without creating any new gaps. By definition, features that are recorded as a Hedge have been assessed as being capable of being managed by hedge cutting or flailing, even if they are not currently managed in that way. For example, this might include bushy hawthorn and blackthorn along a boundary that is not regularly cut but which could readily be converted to hedge management.

6.5.4 Pruning of a tree group or woodland relates to the possibility of delivering the required clearance, be that at ground level or aerially, without removing that part of the group. Areas for pruning have been considered on a case-by-case basis. A detailed pruning specification for each group will be produced and secured by DCO Requirement as part of a Tree and Hedgerow Protection Strategy.

6.6 Impact Principles

6.6.1 In order to determine the appropriate proposal for each tree or hedge, a matrix of Impact Principles has been established. These principles describe the impact of each aspect of the Project on Trees.

6.6.2 For the purpose of the assessment presented in this AIA, the Project is split into ten discrete Construction Elements (including both permanent and temporary infrastructure and access), each with a common and predictable mechanism of impact on trees. Every aspect of the proposal that might necessitate the removal of a Tree or Hedge is included in one of the ten Construction Elements. The Construction Elements are:

- Pipeline Limits of Deviation (working area and open cut trenching);
- HAGI (permanent infrastructure including Limits of Deviation and temporary construction compounds);
- Block Valve Installations (permanent infrastructure including Limits of Deviation and temporary construction compounds);
- DNO Connections (permanent infrastructure including Limits of Deviation);
- Drainage Connections (permanent and temporary);
- Pigging Compound (permanent infrastructure including Limits of Deviation);
- Trenchless Crossing Compounds and temporary working areas;
- Material Storage Areas (temporary);
- Construction Access Points (temporary); and
- Operational Access Points (permanent).

6.6.3 The way in which each Construction Element would generally interact with a tree, group, woodland or hedge is described in terms of the components of that feature that are plotted on the Arboricultural Constraints Plan (**Annex 8C2** of this report). Individual trees have four components: the point representing the stem; the area representing the canopy; the area representing the spread of critical roots; and the area representing the falling distance. Groups of trees and woodlands do not contain points representing stems so have only three components: the canopy; root spread and falling distance. Hedges are generally able to tolerate disturbance to surrounding soils and do not present a risk of falling so were described only in terms of the physical above-ground dimensions (comparable to canopy spread for trees and groups). Each of these components has a different capacity to tolerate or conflict with each construction element.

6.6.4 The interaction between each tree, group, woodland or hedge component and the ten Construction Elements forms the basis of this assessment. The application of these principles and the resultant outcome are based on BS5837 and formed the trigger for case-by-case assessment. They are not applied strictly, and a decision made in each case based on professional judgement and what has been confirmed to be possible with the Project design team.

6.6.5 **Table 8C6.1** shows the relationship between proposed Construction Elements and the stem, canopy, Root Protection Area (RPA) and Falling distance respectively. These same principles can and would be applied in the same way to the final layout in order to create the final tree removal plans.

Table 8C6.1 Impact assessment principles

Construction Element	What is assessed?		Interaction with tree or hedge component			
	Description	Principles to minimise harm	Stem	Canopy	RPA	Falling Distance
Pipeline Limits of Deviation (working area corridor and open cut trenching)	Up to a maximum indicative 60m width for LoD and up to a maximum 36m width for working area (for the largest diameter pipe, up to 42”). The corridor will consist of the pipeline trench, pipe laying area, excavated material and a temporary construction running track.	The working width through high quality (Category A) woodland, tree groups and trees will be narrowed as far as practicable.	Remove.	Remove if greater than 20% canopy loss required (proportion of canopy in plan); or Prune if less than 20% overlap (proportion of canopy in plan).	Remove if more than 20% incursion (proportion of RPA in plan).	No Action; or Remove if condition is Poor.
HAGI (permanent infrastructure including Limits of Deviation and temporary construction compounds)	Hydrogen Above Ground Infrastructure.	Operational flexibility will allow use of compound adjacent to trees and some	Remove if inside or within stand-off distance of footprint (to provide space for	Prune; or Remove if greater than 20% canopy loss required (proportion of	Prune; or Remove if greater than 20% overlap (proportion of RPA in plan).	No Action; or Remove if condition is Poor.

Construction Element	What is assessed?		Interaction with tree or hedge component			
	Description	Principles to minimise harm	Stem	Canopy	RPA	Falling Distance
		overhang of branches is tolerable where. Equipment stand-offs are also taken into account.	construction and operational stand-off); or No action if within existing boundary vegetation that defines the edge of the compound area.	canopy in plan).		
Block Valve Installation (permanent infrastructure including Limits of Deviation and BVI compounds)	Separate sites to HAGIs and housed in compound less than 0.5ha in size.	Operational flexibility will allow use of compound adjacent to trees and some overhang of branches is tolerable.	Remove if inside or within 10m of footprint (to provide space for construction and operational stand-off); or No action if within existing boundary	Prune; or Remove if greater than 20% canopy loss required (proportion of canopy in plan).	Prune; or Remove if greater than 20% overlap (proportion of RPA in plan).	No Action; or Remove if condition is Poor.

Construction Element	What is assessed?		Interaction with tree or hedge component			
	Description	Principles to minimise harm	Stem	Canopy	RPA	Falling Distance
			vegetation that defines the edge of the storage area.			
DNO Connections (permanent infrastructure including Limits of Deviation)	The HAGIs require connection to the local Distribution Network Operator's (DNO) electrical distribution network and telecommunications systems.	Existing access points and gaps in vegetation will be utilised where possible.	Remove if inside or within 10m of footprint (to provide space for connection and working area); or No action if within existing boundary vegetation that defines the edge of the connection area.	Remove if greater than 20% canopy loss required (proportion of canopy in plan); or Prune if less than 20% overlap (proportion of canopy in plan).	Remove if more than 20% incursion (proportion of RPA in plan).	No Action; or Remove if condition is Poor.
Drainage connections (Permanent and Temporary	Permanent and temporary drainage connections,	Existing access points and gaps in vegetation will	Remove.	Remove if greater than 20% canopy loss required	Remove if more than 20% incursion	No Action; or Remove if condition is Poor.

Construction Element	What is assessed?		Interaction with tree or hedge component			
	Description	Principles to minimise harm	Stem	Canopy	RPA	Falling Distance
	inclusive of run-off areas.	be utilised where possible.		(proportion of canopy in plan); or Prune if less than 20% overlap (proportion of canopy in plan).	(proportion of RPA in plan).	
Pigging Compound (permanent infrastructure including Limits of Deviation)	Area shown in plan.	Operational flexibility will allow use of compound adjacent to trees and some overhang of branches is tolerable.	Remove if inside or within 10m of footprint (to provide space for construction and operational stand-off).	Prune; or Remove if greater than 20% canopy loss required (proportion of canopy in plan).	Prune; or Remove if greater than 20% overlap (proportion of RPA in plan).	No Action; or Remove if condition is Poor.
Trenchless Crossing Compounds	Area shown in plan.	Operational flexibility will allow use of compound adjacent to	Remove; or No action if within existing boundary vegetation that	Prune; or Remove if greater than 20% canopy loss required	Prune; or Remove if greater than 20% overlap	No Action; or Remove if condition is Poor.

Construction Element	What is assessed?		Interaction with tree or hedge component			
	Description	Principles to minimise harm	Stem	Canopy	RPA	Falling Distance
		trees and some overhang of branches is tolerable.	defines the edge of the compound.	(proportion of canopy in plan).	(proportion of RPA in plan).	
Material Storage Areas (temporary)	Area shown in plan.	Removal or pruning of trees and vegetation on the edges of compound is unlikely to be required.	Remove; or No Action if within existing boundary vegetation that defines the edge of the storage area.	No Action.	No Action.	No Action.
Construction Access Points (temporary)	Shown in plan as an approximate point of entry. A width was applied to each access point that needs to be built except where design suggests greater vegetation loss is required.	Existing access points and gaps in vegetation will be utilised where possible.	Remove.	Manage to maintain vehicle clearances to highway/track edge and height of 5.2m.	Remove; or Manage if less than 20% overlap (proportion of RPA in plan); where proposed route follows an existing track, consider	No Action.

Construction Element	What is assessed?		Interaction with tree or hedge component			
	Description	Principles to minimise harm	Stem	Canopy	RPA	Falling Distance
					retention of tree on a case by case basis irrespective of RPA incursion because of likely existing root architecture.	
Operational Access Points (permanent)	Shown in plan as an approximate point of entry. A width of 6m was applied to each access point that needs to be built except where design suggests greater vegetation loss is required.	Existing access points and gaps in vegetation will be utilised where possible.	Remove; or No Action if suitable existing access opening exists.	Prune; or No Action if clearances to highway/track edge and height of 5.2m exists.	No action, most proposed routes follow existing tracks or ground protection can be applied.	No Action.

6.7 CAD Model Principles

6.7.1 The process of determining the outcome (Remove, Prune or Unaffected) for each tree, group or hedge was determined in AutoCAD. A software model was built to overlay the Project design and tree survey layers and to allow a visual assessment of relationship of each Tree, Group, Woodland and Hedge based with the proposed works or operational clearance requirements at that point. Measurements were taken and assessed on a case-by-case basis depending on the mode of effect, and size and condition of the trees affected.

6.7.2 The ten Construction Elements and the components of trees, groups or hedges that are described previously give a total of 108 possible modes of interaction between the construction layout and trees. Some of these interactions are common to multiple fields.

6.7.3 A comprehensive description of the Project is provided in **Draft ES Chapter 2: The Project**. The following text described how each Construction Element was interpreted in this assessment.

6.8 Pipeline Limits of Deviation (working area corridor and open cut trenching)

6.8.1 Within the pipeline LoD, a temporary 36m wide working corridor was assessed in plan and ran as a RWCS approach. For open cut sections this would typically consist of the trenches, excavated material and a temporary construction haul road and would occupy the entire 36m in the absence of constraints.

6.8.2 It is possible for the maximum working width to be reduced in certain locations for limited lengths because of particularly sensitive constraints such as watercourses, mature tree lines, hedges and woodland. This is only possible where soil storage (in part of in full) can be accommodated beyond the stretch of excavation instead of alongside it and will be agreed on a case-by-case basis between the project design team, ecologists and arboriculturists to limit adverse effects.

6.8.3 The Applicant has committed to reducing habitat loss by reducing the working width of the pipeline installation wherever possible as set out in **Appendix 3C: Register of Environmental Actions and Commitments** and avoiding the removal or pruning of all Category A features.

6.8.4 Vegetation clearance at the maximum working width of 36m was applied within the pipeline LoD. Where intersecting vegetation was known to comprise overhanging branches of trees located outside the area of clearance, and where effects on RPAs were deemed tolerable, they are shown for retention.

6.9 Permanent infrastructure (HAGIs, BVIs, DNO Connections, Pigging compounds, all inclusive of LoD)

6.9.1 These elements were assessed as a polygon at ground level. All trees and vegetation within the polygons are shown for removal.

6.10 Trenchless crossing compounds

6.10.1 The location of trenchless crossing compounds was provided in the form of a working area polygon. Where intersecting vegetation was known to comprise overhanging branches of trees located outside the compound, and where effects on RPAs were deemed tolerable, they have been shown for retention.

6.11 Temporary construction compounds and storage areas

6.11.1 These elements were assessed as a polygon at ground level. Vegetation on the edge of compounds and storage areas have been shown for retention as there is sufficient flexibility in temporary site compound design to avoid disturbance.

6.12 Access

6.12.1 Temporary construction and permanent operational access points were provided as approximate points of entry. The Draft Order Limits also include some existing roads or tracks that would be utilised during construction and operation and maintenance. In general, operational accesses follow existing access routes. It is necessary for all accesses to meet basic requirements in terms of vehicle size and new temporary construction accesses must also be built. A width of 6m was applied to each access point that would be constructed. In practice, access roads may need to be widened to approximately 8m in some locations to provide passing places however through detailed design this would be reviewed to avoid existing vegetation where possible. The need to widen existing access points or prune overhanging branches to create adequate clearance was also considered on a case-by-case basis.

6.13 Application of CAD Model Outcomes

6.13.1 The outcomes for each tree, group, woodland and hedge (or segments thereof) were used to drive the symbology on the Arboricultural Impacts Plan (**Annex 8C2** of this report). Features shown in red are to be Removed and those shown with just their BS5837 Quality Category outline and no hatch would be Unaffected.

6.13.2 The area and proportion of each group and hedge that would be Removed and the area and proportion of each group and hedge that would be Pruned was calculated. This information, along with the outcome for each individual tree was then cross referenced against feature attributes such as quality, condition and any special designations to aid with the interpretation of impacts.

6.14 Scoped Out Effects

6.14.1 Effects on trees smaller than 75mm stem diameter at 1.5m were not assessed. Such trees were not surveyed according to the parameters set by BS5837, except for those present in groups and hedges, which are considered to be included as part of those features.

6.14.2 Effects on trees that would not be actionable according to the requirements of BS5837 were not assessed. For example, the loss of tree roots that are outside the Root Protection Area for that tree is not counted.

6.14.3 It has been assumed that trees and hedges will be maintained in a manner that is consistent with previous and/or normal maintenance during the period between the survey and DCO consented, and also during construction. In particular, this includes an assumption that clearances above and either side of existing highways and existing access routes will be maintained and that hedges will be regularly cut or flailed to maintain reasonably consistent outer dimensions. Where such activities are found to have not been undertaken, they may be necessary. The scope of these works would be consistent with the normal management of countryside hedges and highway clearances and are therefore scoped out of the assessment of arboricultural impacts. Such works would be limited to those necessary to maintain the baseline condition but would not include works to create or increase new clearances such as from points of access that are not currently in use as such.

6.14.4 No assessment has been made of the mitigating effect of the length of the construction period on the need to undertake tree works concurrently. It is likely that some trees would be replaced before others are removed during the logical progression of works and that the tree removal reported in this assessment would be implemented over a period of the whole project (with two legs/corridors constructed in one summer period and the other two legs/corridors constructed the next summer).

7. Assessment of Effects

7.1 Introduction

7.1.1 In broad terms, the effects of the Project are the number and quality of trees that would need to be removed or managed differently than they currently are. The removal of a tree, an area of canopy cover or a hedgerow is considered to be an adverse effect in the majority of cases. The magnitude of effect associated with the removal of any particular tree is contingent on the particular qualities of that tree; for example, it may contain a bat roost, be notable within the landscape, be part of an ancient woodland, or be an exceptional specimen.

7.1.2 By definition, most trees are not exceptional. The primary mode of impact may therefore be simply a function of the cumulative loss of 'normal' trees. It follows however, that most benefits and amenity provided by trees are also provided by 'normal' trees and are not only associated with trees of remarkable or atypical characteristics.

7.1.3 Loss of or effect on trees is a material consideration in the planning process. However, there are no general parameters by which to judge an acceptable level of loss in terms of canopy area, tree numbers or any other metric. Each application is brought on its own merits, and it is generally incumbent on the applicant to demonstrate that the avoidance of undue impact on trees has been considered in the design process. Any individual tree or group may also have attributes which make its loss more undesirable.

7.1.4 The method for quantifying such impacts is described in BS5837. It is intended to provide a structure to aid with interpretation of effects on trees and to specify the conditions under which a tree must be removed. Whether the resultant impacts are acceptable must be judged in the planning balance.

7.2 Design Envelope Approach for Draft ES

7.2.1 In order to establish the scope of environmental assessment, the Draft ES adopts a parameter-based design envelope approach, having regard to the Planning Inspectorate's Advice Note Nine (The Planning Inspectorate, 2018)[15]. The Final ES will do the same. This approach, known as the 'Rochdale Envelope' Approach, is employed "where the nature of the Proposed Development means that some details of the whole project have not been confirmed" and "flexibility is sought to address uncertainty."

7.2.2 Assessing the Project using this design envelope approach means that the assessment will consider a maximum design scenario which allows flexibility to

[15] Planning Inspectorate. (2018) Nationally Significant Infrastructure Projects – Advice Note Nine: Rochdale Envelope. (Online) Available at: https://www.gov.uk/government/publications/nationally-significant-infrastructure-projects-advice-note-nine-rochdale-envelope/nationally-significant-infrastructure-projects-advice-note-nine-rochdale-envelope (Accessed September 2024)

make design decisions in the future that cannot be finalised at the time of publication of this Draft ES, or for the Final ES and DCO application in due course. Defining the design envelope within which changes may occur also allows for the worst-case design scenario to be considered within the technical assessments presented in the Draft ES.

7.3 Description of Types of Effects and Examples

Construction Effects

7.3.1 The majority of impacts would be associated with the construction period. The requirement to remove or manage trees to create working space, temporary construction access, temporary construction compounds and material storage areas would only exist during the actual construction period.

7.3.2 Insofar as trees are concerned, and should consent be granted in 2026, the construction period is anticipated to run from 2027 to 2029. This is the period within which the impacts (tree removal and pruning) described in this assessment would be enacted. Some other types of works may be completed outside this period and tree protection measures would remain in place until construction works are complete.

7.3.3 Trees may need to be removed in order to create the necessary space to operate, or because they are not physically obstructing the works but would be adversely affected and could not be retained in an acceptable condition.

7.3.4 By their nature, construction effects on the treescape as a whole tend to be reversible. Working areas, temporary construction compounds and other temporary clearances that contained trees prior to construction can be returned to tree cover thereafter. The main effects of the construction process on trees is therefore in terms of a reduction in the maturity of trees and temporary losses of benefits. With appropriate mitigation, these temporary effects that would diminish over time, provided there are no irremediable or permanent impacts caused such as degradation of ancient woodland. The amount of time required for construction effects to be wholly mitigated is dependent on the maturity and quality of existing trees and the quantum and duration of disruption to complex arboreal habitats.

7.4 Lifetime Effects

7.4.1 The Project includes permanent structures at ground level, which would prevent the growing of trees and hedgerow. The design of the pipeline will also limit new planting above it and within 3m either side of the pipeline. Smaller growing trees (dwarf varieties, fruit trees, shallow rooted shrubs) could be planted or allowed to establish within from 3m to 6m away from the pipeline. The operational impact would therefore be minor and only comprise localised clearance over the centre of the pipeline.

7.4.2 Maintenance of the pipeline, BVIs and HAGIs would be via designated operational access routes. These generally follow existing tracks and would not therefore be associated with any major loss of trees. Occasional pruning to maintain clear passage may be required.

7.5 Decommissioning Effects

7.5.1 Decommissioning of the Project would likely involve removing the hydrogen and leaving the pipeline in situ thus avoiding removal and associated potential environmental effects. This would typically involve plugging the pipeline at intervals and stabilisation of major crossings including rail, road and watercourse crossings by grout filling, where required. All above ground facilities including HAGIs and BVIs would be removed. The sequence of decommissioning these elements would be the reverse of the construction sequence and would likely involve the application of similar construction plant and methods. All materials removed would be reused or recycled where possible or disposed of in accordance with relevant waste disposal requirements. Land would then be restored to its former use.

7.5.2 Decommissioning effects tend to be fewer than those associated with construction, and less significant. The removal of the temporary above-ground infrastructure can generally be undertaken within the footprint of that infrastructure. The only areas in which new effects would be predicted are therefore those in which tree planting or retention of existing trees is proposed within the decommissioning footprint.

7.6 Tree Removal and Management

7.6.1 The totals for tree removal arising in relation to the Project as assessed are shown in **Table 8C7.1**. These equate to the removal of 8% of surveyed trees; 15% of mapped tree groups by area; 12% of tree cover mapped as woodland; and 13% of mapped hedgerow by length.

7.6.2 At this stage it is anticipated that branches emanating from 39 trees, 11 tree groups, 1 woodland and 2 hedges will require pruning but that the trees can be retained. Pruning is principally required to create space for construction access and would involve crown lifting opposed to crown reduction or siding-up of retained trees.

Table 8C7.1 Arboricultural Impacts

Feature	Unaffected	Prune	Remove
Tree	1511 trees	39 trees	143 trees (1.1ha)
Group	867 groups	11 groups	181 groups (24.4ha)
Woodland	38 woodland	1 woodland	10 woodland (9.1ha)
Hedge	307 hedges	2 hedges	249 hedges (10.9km)

7.6.3 The effect of each of the ten Construction Elements is presented in **Table 8C7.2**. 42% of tree, group and woodland removal by canopy area and 80% of hedgerow removal is associated with open cut pipeline installation. 39% of tree, group and woodland removal by canopy area and 13% of hedgerow removal is associated with the trenchless crossing compounds. The development of the HAGIs would be responsible for 19% of tree removals by canopy area but no hedgerow removal. The remaining construction elements combined would result in the loss of under 3% of tree cover and 6% of hedgerow removal.

Table 8C7.2 Arboricultural Impacts by construction component

Construction Element	Trees	Groups	Woodland	Hedgerow
Pipeline Limits of Deviation (working width and open cut trenching)	99 (0.71ha)	119 (10.4ha)	8 (3.26ha)	225 (8,670m)
HAGI Areas (permanent infrastructure including Limits of Deviation and Temporary Construction Compounds)	4 (0.05ha)	17 (3.14ha)	1 (3.35ha)	1 (21m)
Block Valve Installation (permanent infrastructure including Limits of Deviation and Temporary Construction Compound)	4 (0.01ha)	0 (0ha)	0 (0ha)	1 (110m)
DNO Connections (permanent infrastructure including Limits of Deviation)	0 (0ha)	1 (<0.01ha)	0 (ha)	2 (45m)
Drainage connections (permanent and temporary)	0 (0ha)	0 (0ha)	0 (0ha)	0 (0m)
Pigging Compound (permanent infrastructure including Limits of Deviation)	0 (0ha)	1 (0.05ha)	0 (0ha)	0 (0m)
Trenchless Crossing Compounds (temporary)	30 (0.30ha)	38 (9.72ha)	1 (2.31ha)	13 (1,452m)
Material Storage Areas (temporary)	6 (0.05ha)	1 (<0.01ha)	0 (0ha)	3 (495m)
Construction Access Points (temporary)	0 (0ha)	5 (0.88ha)	0 (0ha)	2 (20m)

Construction Element	Trees	Groups	Woodland	Hedgerow
Operational Access Points (permanent)	1 (<0.01ha)	0 (0ha)	0 (0ha)	2 (22m)

7.7 Impacts on Tree Quality (BS5837 Quality Category)

7.7.1 Under BS5837, trees are objectively assigned a quality category designed to quantify their value within any future development.

7.7.2 Hedgerow is not afforded a quality value as it falls outside the scope of BS5837 categorisation criteria.

7.7.3 **Table 8C7.3** provides a breakdown of the tree stock according to quality category loss borne by each category. Figures in brackets relate to the proportion of each category that would be affected based on the number of features and give an indication of the spread of the impacts across tree quality categories. Where features are stated for 'removal', this is a RWCS and are presented as at risk of removal. During the detailed design stage, proposed trees at risk of removal would be reviewed to see if they could be further designed out.

Table 8C7.3 Arboricultural Impacts by BS5837 quality category

Feature	Outcome	Category A	Category B	Category C	Category U	Un-surveyed
Tree	**Total**	**11 (6%)**	**99 (17%)**	**45 (16%)**	**10 (29%)**	**17 (3%)**
	Prune	10 (5%)	21 (4%)	5 (2%)	0 (0%)	3 (<1%)
	At risk of removal	1 (1%)	78 (14%)	40 (15%)	10 (29%)	14 (2%)
Group	**Total**	**3 (14%)**	**53 (23%)**	**103 (27%)**	**1 (17%)**	**32 (8%)**
	Prune	2 (9%)	6 (3%)	2 (1%)	0 (0%)	1 (<1%)
	At risk of removal	1 (5%)	47 (20%)	101 (26%)	1 (17%)	31 (7%)
Woodland	**Total**	**1 (14%)**	**9 (39%)**	**1 (33%)**	**0 (0%)**	**0 (0%)**
	Prune	0 (0%)	1 (4%)	0 (0%)	0 (0%)	0 (0%)

Feature	Outcome	Category A	Category B	Category C	Category U	Un-surveyed
	At risk of removal	1 (14%)	8 (35%)	1 (33%)	0 (0%)	0 (0%)

7.7.4 The only three Category A features (in full or in part) that would potentially be removed are within the footprint of the working corridor of the open cut pipeline in Moore Nature Reserve. This has allowed for the retention of Category A group G56 which contains native black poplars. A further 53 Category B trees would also potentially be removed to accommodate the open cut pipeline.

7.7.5 The proportion of Category A tree cover that would be potentially removed is less than 1% of the existing Category A tree cover in the total tree population (12%). The proportion of Category B trees that would potentially be removed (17%) is also lower than the rate in the total tree population (42%).

7.7.6 The proportion of Category C tree cover that would potentially be removed (24%) is slightly higher than the rate in the total tree population (19%).

7.7.7 These totals represent an accommodation within the design for higher value trees, which are less likely to be affected by the Project than would be attributable to chance. These totals demonstrate the extent of efforts made through design to work around higher value trees and to prefer the removal of low quality trees where tree loss is unavoidable. It may also be possible for localised adjustments to be made at the detailed design stage to retain additional Category A and Category B trees (for example where open cut trenching working widths can be narrowed).

7.8 Impacts on Tree Quality Type (BS5837 Quality Sub-category)

7.8.1 According to BS5837, sub-categories are given to each survey feature according to the main type or types of quality that it has, and which contribute to its overall quality category (A, B, C or U). These sub-categories, (1, 2, and 3) relate to arboricultural qualities, landscape qualities, and cultural qualities including conservation.

7.8.2 The totals in

7.8.3 **Table** 8C7.4 add up to more than the total number of trees and area of groups because it is possible for a feature to have more than one sub-category. Figures in brackets relate to the proportion of each sub-category that would be affected based on the number of features and give an indication of the spread of the impacts across tree quality sub-categories.

Table 8C7.4 Arboricultural Impacts by BS5837 sub-category

Feature	Outcome	Sub-category 1	Sub-category 2	Sub-category 3
Tree	**Total**	**100 (13%)**	**95 (19%)**	**33 (14%)**
	Prune	20 (3%)	24 (5%)	8 (3%)
	At risk of removal	81 (10%)	72 (14%)	25 (11%)
Group	**Total**	**43 (5%)**	**136 (27%)**	**34 (15%)**
	Prune	5 (1%)	9 (2%)	1 (<1%)
	At risk of removal	38 (5%)	128 (26%)	33 (14%)
Woodland	**Total**	**5 (1%)**	**10 (2%)**	**11 (5%)**
	Prune	0 (0%)	1 (<1%)	1 (0%)
	At risk of removal	5 (1%)	9 (2%)	10 (4%)

7.8.4 The breakdown of sub-categories reflects the overall quality of the trees proposed for removal. The highest proportion for Trees is almost equally sub-categories 1 and 2 which correlates with the number of Category B and Category C trees being removed. Trees that are more likely to be larger, older and capable of developing features of habitat interest compared to low quality trees would generally have been given sub-category 3.

7.8.5 The lowest proportion for groups is almost equally sub-category 1 and sub-category 3. This is expected and normal; groups are more likely to fall under sub-category 2 because of collective function, which forms a key part of the criteria for both landscape and ecological qualities. Sub-category 1 tends to refer to exceptional individuals within formal groupings of trees such as avenues or those in excellent condition, which are relatively less common in most tree populations.

7.8.6 The spike of impact percentages for group sub-categories 2 and 3 demonstrates a general bias towards the removal of the screening and connectivity functions of vegetation and is incidental to the generally linear nature of the Project that, by necessity, must cross multiple land use and ownership boundaries which tend to have trees as primary defining feature.

7.9 Impacts on Veteran Trees

7.9.1 One veteran tree was recorded (T1204) on the edge of the Draft DCO Limits and outside of the LoD. Veteran trees are those that are exceptional because of great age, size or value, either culturally, in the landscape or in terms of conservation. They are considered irreplaceable, and loss of veteran trees should be avoided. There would be no loss of veteran trees arising from the Project.

7.9.2 Tree T1204 will be retained through the implementation of protection measures which will ensures either a buffer zone of 15 times the diameter of the tree or 5m from the edge of the tree's canopy will be maintained (as per Natural England and Forestry Commission Standing Advice).

7.9.3 There is the potential for additional veteran trees to be identified within the un-surveyed features that were not subject to detailed inspection during the tree survey. To ensure that any additional veteran trees are identified and protected from construction, additional arboricultural survey work will be undertaken in areas which have not been subject to survey, before the removal of any trees takes place.

7.10 Impacts on Trees with Tree Preservation Orders

7.10.1 There are no trees subject to a Tree Preservation Order that are proposed for removal as part of the Project.

7.11 Impacts on Ancient Woodland

7.11.1 Twelve compartments of Ancient Woodland were identified during desktop searches within 100m of the proposed Draft Order Limits. Ancient Woodland is regarded as 'irreplaceable' by both EN-1 and NPPF and there is a strong policy presumption that every effort will be made to avoid harmful effects on it.

7.11.2 There would be no loss of Ancient Woodland arising from the Project. The design of the Project ensures that Ancient Woodland at Hey's Wood would be crossed via trenchless methods. Embedded environmental measures within the **Outline LEMP** ensures that there will be no construction vehicular access or ground works within these Ancient Woodlands, with pedestrian access only required to use monitoring equipment to trace the path of the drill head.

7.11.3 Trenchless crossings beneath Ancient Woodland should be maintained at a depth of at least 6m to avoid root damage and disturbance. A trenchless crossing specialist will appraise the trenchless crossing locations to ensure they are suitable, and that risks of a fluid breakout are ALARP. Additional precautions may be required to ensure that any possible spillages do not lead to harm to Ancient Woodland. These would be set out within a Tree and Hedgerow Protection Strategy (THPS) secured by DCO requirements. In addition, all ground works will be restricted to areas in excess of 25m from the edge of Ancient Woodland thereby avoiding potential damage to tree roots, changes in local hydrology and providing space to contain any accidental pollutant spillages. This 25m stand-off is

in excess of the 15m minimum recommended by Natural England and the Forestry Commission given in Standing Advice.

7.12 Impacts on Hedges

7.12.1 The tree survey recorded 558 hedges from which parts would be removed, a further two would be pruned. The total length of hedgerow to be Removed is 10.8km. It may be possible to translocate and reinstate existing hedges in some cases.

7.13 Impacts on Habitats of Principal Importance

Deciduous Woodland

7.13.1 In most places, woodland is the natural climax vegetation, and it can be one of the most complex and valuable habitats. The replacement of existing woodland with new planting would nearly always result in a reduction in quality and benefits in the short-term whilst new planting matures.

7.13.2 **Table 8C7.5** summarises impacts to features surveyed in detail that might meet the definition of Deciduous Woodland.

Table 8C7.5 Impacts on Deciduous Woodland

Feature reference	Description	Impact
West Corridor G393	Trees planted and self seeded around edge of former reservoir. Mixed quality. Unmanaged.	Removal of c. 1.64ha to accommodate the pipeline working area.
West Corridor W31	Large area of woodland on slope. Signs of plantation with old tree guards and slightly unusual species mix. Understorey of small elder and hawthorn. Some standing dead trees. Some multistemmed forms. Bark wounds and decay in places. Dead wood throughout.	Removal of c. 3.35ha to accommodate Rocksavage HAGI.
West Corridor W32	Area of establishing woodland on raised ground. Some understorey. Access restricted. Occasional standing dead and failed trees.	Removal of c. 2.6ha to accommodate pipeline working area and trenchless crossing compound.
North Corridor W27, G201, G212	Western edge of linear woodland belt. Desire line and pay to West of woodland. Parts overgrown by bramble. A large proportion of the larger trees are White willow. Dense understorey. Dense and	Removal of c. 0.78ha to accommodate the pipeline working area.

Feature reference	Description	Impact
	closely spaced trees. Some ash dieback symptoms evident in ash trees. Collapsing willow trees and falling stems/limbs throughout, typical of willow species of this age. Some standing dead trees.	
North Corridor W5, W7, W8, W15, W16, G17, G57	Mixed deciduous woodland cover. Dense understorey in places. Multiple broken and snapped stems. Majority of ash are symptomatic of Ash dieback. Good habitat. Woodpecker holes. Mixed deciduous woodland belt forming continuous tree cover of a similar ilk. Mainly oak and willow but good diversity of understorey structure. Bird viewing and feeding points within. Slight long linear ditches to eastern end with reduced access. Ponds to Western end with occasional fallen oak trees. Excellent habitat throughout but dense ground flora of balsam and bramble in many areas	Removal of c. 2.26ha to accommodate the pipeline working area.
North Corridor W6, W14	Continuous tree cover running adjacent to access road and atop steep ground running down to the nature reserve. Trees at the Western end are smaller birch turning to larger oak and sycamore moving east. Some larger High quality individuals located on the far side of the bank but away from survey boundary. Numerus dead elm in hedgerow that abuts the road. Young woodland with developing age and condition structure. The interior is dominated by birch with larger Ash and sycamore punctuating the fringes. Bramble covers a large proportion if the woodland floor.	Removal of c. 0.8ha to accommodate the pipeline working area.
North Corridor G25	Mixed species copse with early woodland structure development. Isolated dead birch but the majority if trees in Good condition. Trees beginning to colonise the derelict ground on the southern edge of the group.	Removal of c. 0.38ha to accommodate Higher Walton HAGI.

Feature reference	Description	Impact
North Corridor G28, G30, G42	Trees lining the sloped railway embankment. Contains some fully mature birch toward its centre. Some small areas of open canopy dominated by bramble. Linear planting on ground sloping down to waterbodies. Higher percentage if willow towards north-Eastern end of group. Bamboo and Himalayan balsam throughout Eastern half.	Removal of c. 2.35ha to accommodate the pipeline working area

Hedgerow

7.13.3 It is likely that the majority of the 10.8km of hedgerow that would be affected by the Project would meet the description of Hedgerow Habitat of Principal Importance.

Traditional Orchard

7.13.4 There are 10 compartments of Traditional Orchard identified during desktop searches within 100m of the proposed Draft Order Limits. None would be affected by the Project.

Ecological Data Comparison

7.13.5 Woody vegetation that is included in this assessment has also been mapped and classified as part of an ecological assessment underpinning **Chapter 5: Biodiversity**. It should be noted that these follow different methodologies and sometimes use the same terms to describe different parts of the treescape (e.g. ‘hedgerow’, and ‘woodland’). Care should be taken when reading across or comparing assessments to ensure that comparisons are reliable. Specialist advice may be needed to understand apparent discrepancies in definition or measurement.

7.13.6 The sub-division of woody vegetation into assessment units or features differ between ecological and arboricultural assessments. Whilst arboriculture and ecology assessments describe the same resource or asset, they do so differently. This is principally because ecology is concerned with the classification of habitats, whereas arboricultural classification reflects management history and opportunities, landscape, amenity, culture, and heritage, as well as habitats. In general, tree surveys and arboricultural assessments give a more detailed picture of the composition of woody vegetation, and therefore also tend to describe effects with greater granularity.

7.13.7 **Table 8C7.6** below sets out the relationship between arboricultural and ecological classification of woody vegetation in general terms.

Table 8C7.6 Arboricultural and ecological classification of woody vegetation

Tree survey classification	Interpretation of Corresponding Ecological Classifications
Trees	Individual trees may be components within any type of arboreal habitat, including woodland, hedges, tree lines, and scrub, as well as recorded by ecology surveys as individuals. Trees may be recorded individually by the tree survey for a range of reasons that do not relate to habitat classification. Within the Draft Order Limits, the ecology surveys recorded no individual trees. All trees that were recorded individually by the tree survey are within linear or area habitats.
Groups	No equivalent classification exists in ecology. The term group is used by tree surveys to describe areas of tree cover that are not woodland (e.g. plantation), or linear arrangements of trees that are not hedges but have common characteristics. Groups are most likely to be classified by ecology surveys as scrub, woodland, hedgerow, or scattered trees.
Woodland	Most, if not all, areas of tree cover that are described as woodland by a tree survey would also be described as woodland by an ecology survey. This includes semi-natural woodland, most commonly mixed broadleaved. However, it should be noted that ecological classification uses the term Woodland more generously, as a description of many types of area habitats that are structurally defined by large trees, irrespective of composition. These could include plantation, structure planting, and ornamental or amenity planting. Therefore, an ecological classification might describe a woodland in poor condition, where an arboricultural classification would describe the feature as not being a woodland. For this reason, ecological assessment tends to report more woodland than arboricultural assessment, which focusses on the higher quality woodland, such as woodland Habitats of Principal Importance.
Hedgerow/Hedges	Linear vegetation, typically associated with boundaries, can also be defined as hedgerow within ecology classification. It is also possible for features described as hedgerow by a tree survey to be classified as lines of trees by ecology surveys, but more often this occurs the other way around (i.e. the ecology survey records a hedge, which is taken to include plants of varying size and form, where the tree survey records each of the component parts separately as trees and/or groups).

7.13.8 The impact assessment results in this assessment are expressed using different metrics than the tree and hedgerow losses reported in **Chapter 5: Biodiversity**. This is principally because the impacts are measured against the respective baselines, which use different classification systems. There may also be some variation in the assumptions made in each type of assessment.

7.13.9 This assessment finds that the removal of woody vegetation that would be necessary to implement the Project would be 144 trees, 24.3 ha of Groups, 8.9ha of Woodland and 10.8km of hedgerow. The methodology for identifying types of woody vegetation differs between the ecology and arboricultural assessments and therefore, the measurements of various habitat losses may differ but these figures describe the same effects in different ways.

7.13.10 In general terms, the apparent discrepancies are:

- no reporting of individual tree loss in the ecology assessment, because these are covered by other habitats;
- higher woodland loss in the ecology assessment than the arboricultural assessment because this figure also includes tree survey Groups; and
- higher hedgerow loss in the ecology assessment because this figure also includes linear tree survey Groups.

8. Embedded Environmental Measures

8.1 Scope

8.1.1 This assessment has considered the impacts of the Project on trees and is based on both construction, operational and decommissioning requirements. A number of construction activities present a potential for harm to trees, particularly to roots and the surrounding soil. In order to minimise the level of impact it is necessary to carefully manage the relationship between retained trees and the construction process.

8.1.2 This section outlines the process by which measures would be put in place to ensure that the development would not necessitate unnecessary tree removal or pruning and would not give rise to a reduction in the quality, condition or safety of remaining trees.

8.1.3 For the purposes of this section 'development' covers all activities relating to the practical completion of the Project and includes tree pruning, tree felling, tree protection and tree replacement.

8.1.4 The following paragraphs are presented in approximately chronological order, (which may be applied by tree, by site, or by component). Each topic would be expanded in a Tree and Hedgerow Protection Strategy (THPS) that would be delivered in accordance with the **Register of Environmental Actions and Commitments** provided in **Appendix 3C**.

8.1.5 The schedule of all embedded environmental measures that are proposed to be incorporated into the Project is detailed within the **Register of Environmental Actions and Commitments** provided in **Appendix 3C**.

8.2 Tree Works

8.2.1 The Applicant will be required to produce a final schedule of all proposed tree removal with annotated plans following detailed design. The LoD will be maximised as far as practicable to avoid the loss of Category A and B trees **(Appendix 3C)** and where impacts on tree groups are unavoidable, the LoD and working width or right of way will be minimised as far is practicable **(Appendix 3C)**.

8.2.2 Trees that are to be felled would be clearly identified. Access routes and other operational parameters would be set as appropriate. The Arboricultural Impacts Plan provided at **Annex 8C2** of this report will be refined where necessary, incorporating any amendments to the design and movements within the LoD; any tree features that weren't previously surveyed in detail; the detailed specification of management works; and aerodynamically resilient 'edge creation' within trees groups and woodland.

8.2.3 Removal of individual trees would be specified by stem location with reference to species and other identification markers as appropriate. Removal of sections of hedge would be specified in metres with reference to fixed base points (e.g. intersections with other hedges, gateposts, roads and existing gaps).

8.2.4 Removal of parts of groups and woodland would be specified by area. All trees within a measured and defined area would be removed (it may be necessary to mark out the 'cut line' on-site prior to commencement).

8.2.5 The removal of additional individual trees that are close to the newly created edge may also be done for arboricultural reasons, including the prevention of windthrow (failure due to increased exposure). Removing trees from groups and from woodlands can cause loss of other trees which suddenly become exposed to wind. The risk can be minimised by removal of selected trees to allow greater filtration of air currents. Guidance would be provided from an arboriculturist following the removal of surrounding or adjacent trees. It is anticipated that such tree removals would not be more than 10m from the edge of the remaining group or woodland; would not constitute more than ten percent by number of trees within that 10m edge strip; and would have a neutral or positive impact on the value and resilience of remaining tree groups.

8.2.6 A detailed schedule of all proposed tree pruning will be produced with annotated plans as part of the THPS. Tree pruning would be specified in absolute terms (i.e. in metres, with reference to cardinal points and fixed objects). Access routes, exclusion zones and other operational parameters for the implementation of works would be set as appropriate.

8.2.7 A specification for all pruning operations will be produced. This would include operational standards for all types of pruning and tree felling method according to best practice. This would ensure that tree work is undertaken to a consistently acceptable standard across all sites.

8.2.8 Minimum requirements would be established for arboricultural contractors (tree surgeons) referring to qualifications, accreditations, licences and insurance cover.

8.2.9 A specification for the handling and use of all material arising from tree works would be produced.

8.2.10 Tree works with the potential to impact any European Protected Species (e.g. bats) would be clearly identified and a protocol for the avoidance of impact would be included on the works schedule. This may include seasonal constraints, timings of works, and restrictions on the use of some equipment, particularly where there are sensitivities to lighting.

8.2.11 Basic training on relevant European Protected Species will be given to arboricultural contractors. This would include general site observations, possible restrictions to working methods, identification skills and a reporting protocol where a Protected Species is identified.

8.2.12 An induction process for all appointed arboricultural contractors will be established. Contractors would receive instruction and training on any particular liabilities, restrictions or obligations relating to their commission (such as work on sensitive sites, the use of hazardous substances or atypical working methods). A training record for each contractor would be maintained.

8.3 Tree Protection

8.3.1 Temporary physical protection measures will be installed to protect trees and hedgerows during the construction phase. They would prevent direct damage to stems and branches and avoid the indirect effects of soil compaction on the healthy functioning of underlying roots.

8.3.2 Specifications for tree protection fencing will be produced. A range of fencing types would be described for use in different situations (e.g. steep terrain or wet ground).

8.3.3 Fencing of different types will be used to provide an appropriate level of protection in accordance with BS5837, ranging from visual identification of protected areas to immovable barriers preventing access. Criteria would be established by which the most appropriate tree protection fencing specification would be selected.

8.3.4 Specifications for temporary ground protection will be produced as part of the THPS. Ground protection would be used where access is required close to a retained tree and where tree protection fencing cannot be installed because of site constraints or operational requirements. Typically, this would apply to access routes that pass close to retained trees where they do not follow an existing track that is capable of supporting the anticipated vehicle loading without improvement.

8.3.5 Ground protection measures will be designed to prevent or minimise compaction of underlying soils; skidding, smearing or rutting of soils; physical impact to or abrasion of surface roots; and/or to ensure an adequate supply of air and water to tree roots. In Ancient Woodland areas, ground protection and restriction on the timing of works would be used to protect soil and ground flora structure, hydrology and the seed bank.

8.3.6 The alignment of tree protection fencing and temporary ground protection will be based on the recommendations of BS5837; the crown spread (following completion of pruning operations); any additional buffers (e.g. around veteran trees and Ancient Woodland) and specific construction requirements. Tree protection measures would be designed to safeguard an area surrounding each tree containing sufficient rooting volume to ensure tree survival post-construction and the integrity and function of arboreal habitats. The protected area would not necessarily contain all of a tree's roots but may allow an acceptable degree of loss or disturbance. Protected areas for adjacent trees may overlap.

8.3.7 The combined protected areas around all trees will constitute a Construction Exclusion Zone within which no unplanned access or operations would be permitted.

8.3.8 The alignment of Construction Exclusion Zones will be detailed on a series of Tree Protection Plans, which would be produced for all sites with trees as part of the THPS.

8.3.9 Where a requirement to enter a Construction Exclusion Zone is anticipated or arises, the scope of proposed operations will be considered in terms of the physiological tolerances of the adjacent tree(s). Only operations that can be delivered without causing such harm would be permitted.

8.4 Monitoring and Compliance

8.4.1 Measures to ensure compliance with tree protection and management recommendations during the construction phase will be included in the THPS. In general, these would comprise:

- Appointment of an Arboricultural Clerk of Works (ACoW) to oversee the delivery of tree pruning and removal; monitor and facilitate compliance with all arboricultural recommendations; respond to public enquiries and complaints; assess the impact of any variations against the terms of the consent; produce additional supporting documentation as required; sign off works; and maintain records of progress.
- ACoW is the term used by this report to describe that part of the Ecological Clerk of Works (ECoW) that would be concerned with the delivery of the recommendations in this report, and specifically focussed on arboriculture. It is likely that the ECoW role would be delivered by one or more companies or individuals with the relevant skills, licences and qualifications to ensure a coordinated approach to tree works and tree protection, as well as other ecological considerations. The individual or company that is nominated to the ACoW role must be, or be, operating under the supervision of a chartered arboriculturist.
- Dissemination of the THPS to relevant parties for incorporation in contract and design documentation, (especially relating to construction whose normal process or function tree protection may present a constraint).
- Establishment of an auditable system of responsibility for each component of the THPS. (Tree protection may be delivered by a wide range of individuals and companies. Many of the tree protection requirements would be observed by more than one party during multiple operations).
- Toolbox talks delivered to arboricultural contractors, operatives implementing components of arboricultural methodologies and any other party whose operations significantly interact with or have the potential to influence or be influenced by trees.
- Inspection of all physical tree protection measures prior to commencement of works by an the ACoW.
- Establishment of an auditable system of quality control for tree pruning work to ensure adherence to specifications, health and safety requirements, accreditations and insurances; and to sign off completed works.

- Establishment of an auditable system of independent monitoring of compliance (checking the integrity of tree protection measures, monitoring compliance by non-arboricultural operatives with the terms of this report, inspecting tree condition following removal of tree protection measures).

8.5 Replacement Planting

8.5.1 Impacts that cannot be mitigated using methodological mitigation would be mitigated or offset by new planting. Trees develop relatively slowly and whilst it is not possible to mitigate all impacts immediately or during the construction period, the following strategy for mitigation and reinstatement have been designed to ensure that there is no net loss of arboricultural value in the longer term and no permanent degradation of the treescape. The approach taken is capable of being applied to any future construction component arrangement within the Draft Order Limits and LoD. This is reinforced by the embedded environmental measures within the **Register of Environmental Actions and Commitments** provided in **Appendix 3C** that avoid impacts on Ancient Woodland and veteran trees as well as minimising effects on larger and higher quality trees and woodland where practicable.

8.5.2 Tree planting is proposed as part of the **Outline Landscape and Ecological Management Plan (LEMP)** and **Biodiversity Mitigation Strategy** within a broader suite of biodiversity objectives. Any such trees may contribute towards arboricultural mitigation, but only where the specific 'mitigation principles' described in the following text are met. The habitat creation within the Draft Order Limits and the delivery of Biodiversity Net Gain (BNG) has the potential to deliver all arboricultural mitigation and offsetting as described by this section, subject to appropriate consideration of arboricultural objectives and planning during the delivery phase.

8.5.3 It is important for trees to be considered separately from biodiversity more generally because trees provide landscape, amenity, culture, and heritage benefits, as well as habitats. Trees that do not provide sufficiently distinctive habitats may be offset by other types of habitat creation within biodiversity offsetting. It is therefore possible within a scheme achieving BNG for some trees not to be replaced. All trees that are removed would be replaced within or in close proximity to the Draft Order Limits, in order to ensure that non-habitat benefits and functions are also reinstated.

8.6 Replacement Rates

8.6.1 The rate at which individual trees would be replaced would be calculated as a function of their current stem size. Stem size is a good general proxy for tree age and also total biomass because of the annual expansion of a trunk's cross-sectional area. Older and larger trees tend to provide increased biodiversity opportunities and more environmental and amenity benefits than smaller trees. In this way replacement would respond to the scale of impact.

8.6.2 In simple terms, the tree replacement strategy adopted within the Project is based on the replacement of the cross-sectional area of stems that are removed. This is to align with biodiversity offsetting, and because it represents a reasonable scale for reinstatement.

8.6.3 In this assessment, the average stem diameter of newly planted trees after 30 years of growth (post-nursery) is assumed to be 300mm. This is based on a 'small tree' in the Tree Helper function of Natural England's Biodiversity Metric 4.0 Calculation Tool. The Tree Helper uses Root Protection Area (12 times the diameter of a trees stem) as a proxy for biomass from which the stem diameters used in this assessment are derived. Values are also given for 'medium trees' (those with a stem diameter of greater than 300mm and up to 900mm), and 'large trees' (those with a stem diameter greater than 900mm) but it is highly unlikely that many species would attain a stem diameter greater than 0.3m within a 30-year period, and not in sufficient numbers to many meaningful difference to the average.

8.6.4 The replacement rate for each tree that would be removed would be calculated by dividing the current cross-sectional stem area, measured at 1.5m in height (the Diameter at Breast Height), by 0.07m^2 which is the cross-sectional stem area of a 300mm diameter tree. Where the result is a fraction, the number of replacement trees is rounded up to the nearest whole number. For example, a tree with a stem diameter of 600mm and a cross-sectional stem area of 0.28m^2 would be replaced by four trees, each contributing 0.07m^2.

8.6.5 The following **Table 8C8.1**provides representative examples of the replacement ratios that would apply to trees in different size bracket.

Table 8C8.1 Arboricultural and ecological classification of woody vegetation

Stem diameter	Number of replacement trees per tree removed
100mm	1
200mm	1
300mm	1
400mm	2
500mm	3
600mm	4
700mm	6
800mm	8
900mm	9
1000mm	12

Stem diameter	Number of replacement trees per tree removed
1100mm	14
>1200mm	16

8.6.6 Tree groups and woodland that are removed would be replaced at the rates shown in **Table 8C8.2**. These would be applied based on the median stem size of the range recorded within each group. It may be necessary for additional survey detail to be gathered to inform the final mitigation calculations based on a detailed design.

8.6.7 The primary objective of Group and Woodland planting is to provide an equivalent or greater area of tree cover to that being removed. Group and Woodland planting would be delivered using young trees (whips) which would be planted at a high density (typically at 1m centres) than specimen trees. The number of new trees provided will therefore greatly exceed those provided for individually recorded Trees but will reduce over time through management, in the form of thinning, and natural suppression. Replacing groups based on their current canopy area also assures no net loss of future canopy cover, irrespective of future crown management. In reality, most new trees will develop branches that extend well beyond the planting footprint resulting in a net gain in long-term tree canopy cover.

Table 8C8.2 Representative Group and Woodland replacement rates

Stem diameter range	Area of replacement planting
Small (≤300mm)	1:1
Medium (>300mm to ≤900mm)	1:1.1 (+10%)
Large (≥900mm)	1:1.2 (+20%)
Unsurveyed	1:1.1 (+10%)

8.6.8 Hedges would be replaced at a rate of at least 1:1 by length.

8.6.9 The pruning of individual trees would not be offset by new planting. Where the extent of any pruning required would significantly reduce tree quality, function or longevity, trees have been shown for removal.

8.6.10 **Table 8C8.3** and **Table 8C8.4** describe the replacement planting that would be provided for tree and hedgerow removal based on the current assessment. For this purpose, a blanket replacement ratio of 'Medium' has been applied to the removal of unsurveyed trees, groups of trees and woodland. This would be refined based on additional future survey detail, and final tree and hedgerow losses in response to a detailed design.

Table 8C8.3 An example of mitigation planting for tree removal based on surveyed features. (Please note that this is a worst case with the Applicant intending to avoid as many trees as possible)

Stem diameter range	Reference of Trees potentially removed	Number potentially removed	Number of potential replacement trees
Small (≤300mm)	T40, T42, T43, T44, T145, T164, T247, T248, T296, T300, T310, T313, T459, T648, T649, T794, T803, T826, T903, T1057, T1058, T1059, T1062, T1063, T1064, T1222, T1223, T1224	28	28
Medium (>300mm to ≤900mm)	T31, T34, T41, T45, T86, T87, T161, T162, T165, T219, T274, T293, T298, T318, T417, T421, T432, T433, T436, T446, T447, T451, T453, T454, T455, T468, T471, T472, T494, T495, T496, T533, T551, T671, T672, T683, T686, T738, T766, T782, T802, T832, T904, T947, T948, T949, T950, T951, T952, T953, T954, T955, T956, T957, T958, T959, T960, T961, T963, T968, T969, T970, T980, T985, T998, T999, T1000, T1007, T1015, T1023, T1041, T1042, T1076, T1077, T1088, T1099, T1111, T1112, T1113, T1120, T1151, T1160, T1161, T1162, T1164, T1179, T1181, T1182, T1219, T1220, T1250 (also includes 14 unsurveyed trees)	105	438
Large (≥900mm)	T33, T68, T452, T681, T758, T971, T972, T1246, T1247, T1248	10	111
Total	-	**143**	**577**

Table 8C8.4 Mitigation planting for Group and Woodland removal based on surveyed features (Please note that this is a worst case with the Applicant intending to avoid as many trees as possible)

Tree Size	Reference of Groups and Woodland	Area potentially removed	Area of potential replacement planting
Small (≤300mm)	G13, G15, G18, G23, G24, G32, G33, G43, G48, G50, G55, G57, G59, G61, G80, G82, G116, G139, G141, G159, G162, G185, G186, G188, G189, G190, G191, G193, G194, G199, G200, G201, G207, G208, G209, G210, G212, G219, G237, G244, G258, G259, G261, G271, G272, G280, G284, G286, G287, G289, G291, G295, G296, G297, G298, G312, G314, G315, G317, G354, G356, G364, G373, G380, G382, G389, G393, G452, G459, G466, G476, G478, G495, G504, G507, G511, G512, G514, G558, G563, G568, G572, G578, G582, G583, G584, G586, G588, G589, G600, G614, G625, G632, G644, G674, G675, G676, G678, G679, G686, G690, G692, G696, G700, G702, G703, G706, G707, G711, G716, G717, G720, G726, G727, G732, G733, G748, G750, G754, G755, G756, G762, G772, G773, W8, W32	20.9ha	20.9ha
Medium (>300mm to ≤900mm)	G17, G25, G26, G28, G30, G42, G44, G175, G205, G265, G274, G313, G451, G465, G479, G489, G494, G544, G548, G553, G587, G602, G693, G699, G705, G708 (also includes 31 unsurveyed groups)	12.6ha	13.9ha
Large (≥900mm)	-	0ha	0ha
Total	**-**	**33.5ha**	**34.8ha**

8.7 Species Selection

8.7.1 The location, species, sizes and temporary support and protective measures will be shown on detailed planting plans produced in response to a detailed design.

8.7.2 Planting will include a mix of native tree species and 'honorary native' or 'advancing native'. These are species that are naturalised in Britain or those which are native to Britain but not to the North West of England. The planting of a proportion of non-native or ‘exotic’ trees may also be proposed in suitable locations (excluding native woodland). Incorporating these species will increase diversity, and resilience to pests, diseases and climate change.

8.7.3 All planting of woodland, hedgerow and specimen trees will be selected from the list in **Table 8C8.5**. Not all species will be used in all areas.

Table 8C8.5 Woody species available for use in mitigation planting

Species mix reference	Mix description	Species
A	Native Species for use in **tree, group and woodland** planting	*Acer campestre* - Field Maple *Alnus glutinosa* - Alder *Betula pendula* - Silver Birch *Betula pubescens* - Downy Birch Carpinus betulus - Hornbeam *Pinus sylvestris* - Scots Pine *Populus alba* - White Poplar *Populus nigra subsp. betulifolia* - Black Poplar *Prunus avium* - Wild Cherry *Quercus petraea* - Sessile Oak *Quercus robur* - Pedunculate Oak *Tilia cordata* - Small-leaved Lime *Tilia platyphyllos* - Large-leaved Lime
B	Additional native species for use in **group** and **woodland** and **hedgerow** planting	*Cornus sanguinea* – Dogwood *Corylus avellana* – Hazel *Crataegus monogyna* – Hawthorn *Cytisus scoparius* – Broom *Euonymus europaeus* – Spindle *Frangula alnus* – Alder Buckthorn *Ilex aquifolium* – Holly *Juniperus communis* – Common Juniper *Ligustrum vulgare* – Wild Privet *Malus sylvestris* – Crab Apple *Populus tremula* – Aspen *Populus x canescens* – Grey Poplar *Prunus padus* – Bird Cherry *Prunus spinosa* – Blackthorn *Pyrus communis* – Common Pear *Rhamnus cathartica* – Buckthorn

Species mix reference	Mix description	Species
		Salix alba – White Willow *Salix caprea* – Goat Willow *Salix cinerea subsp. Oleifolia* – Grey Willow *Salix pentandra* – Bay Willow *Salix viminalis* – Osier *Sambucus nigra* – Elder *Sorbus aucuparia* – Rowan *Sorbus torminalis* – Wild Service-tree *Taxus baccata* – Yew *Viburnum lantana* – Wayfaring-tree *Viburnum opulus* – Guelder Rose
C	Additional non-native and naturalised species for specimen **tree** planting	*Acer pseudoplatanus* – Sycamore *Acer platanoides* – Norway maple *Aesculus hippocastanum* – Horse Chestnut *Alnus cordata* – Italian Alder *Castanaea sativa* – Sweet Chestnut *Corylus colurna* – Turkish Hazel *Crataegus laevigata* – Midland Hawthorn *Cedrus deodara* – Deodar Cedar *Cedrus libani* – Cedar of Lebanon *Cedrus atlantica var. glauca* – Blue Atlantic Cedar *Cupressus macrocarpa* – Monterey cypress *Fagus sylvatica f. purpurea* – Copper Beech *Juglans nigra* – Black Walnut *Liriodendron tulipifera* – Tulip tree *Pinus nigra* – Austrian pine *Pinus nigra subsp. laricio. – Corsican Pine* *Quercus Ilex* – Holm oak *Quercus robur* – Red oak *Sorbus aria – Whitebeam* *Tilia x europaea – Common Lime*
D	Additional non-native and naturalised species for **group and woodland** planting	*Castanaea sativa* – Sweet Chestnut *Crataegus laevigata* – Midland Hawthorn *Larix decidua* – European Larch *Malus x domestica* – Apple *Mespilus germanica* - Medlar *Prunus domestica* – Plum *Pyrus communis* – Pear *Sorbus aria* – Whitebeam *Tilia x europaea* – Common Lime *Ulmus minor* – Field Elm

Species mix reference	Mix description	Species
E	Additional exotic species for **tree** and **group** planting in response to climate resilience	*Acer griseum* – Paperbark maple *Araucaria Araucana* – Monkey Puzzle Tree *Cercidiphyllum japonicum* – Katsura tree *Eucalypus gunnii* – Cider gum *Liriodendron chinense* – Chinese tulip tree *Metasequoia glyptostroboides* – Dawn redwood *Parrotia persica* – Persian ironwood *Pterocarya fraxinifolia* – Caucasian wingnut *Sciadopitys verticillate* – Japanese umbrella pine *Zelkova serrata* – Japanese zelkova

8.8 Mitigation Principles

8.8.1 The design of replacement tree, group and woodland planting will aim to replace or recreate the benefits provided by trees that were removed. This will vary depending on location and the characteristics of individual trees. **Table 8C8.6** describes the design principles that will be applied depending on the primary qualities of each tree, group or woodland to be removed. The primary qualities are based on the categorisation sub-categories provided by BS5837. For features that fall into more than one sub-category, judgement has been exercised on a case-by-case basis to determine which should take priority during mitigation design.

Table 8C8.6 Mitigation principles for removed Trees, Groups and Woodland

Feature type	Mainly arboricultural qualities	Mainly landscape qualities	Mainly habitat qualities
Tree	Replace with species Mix A and as close to original location as possible. Occasional use of Mix C and E	Replace with species Mix A and/or C and as close to original location as possible. Occasional use of Mix C and E	Replace with species Mix A to buffer, connect or augment existing habitats
Group	Replace with species Mix A and/or B as close to original location as possible. Occasional use of Mix C and E	Replace with species Mix B and/or D and as close to original location as possible	Replace with species Mix B to buffer, connect or augment existing habitats
Woodland	Replace with species Mix A and B as close to original location as possible	Replace with species Mix A, B and D and as close to original location as possible	Replace with species Mix B to buffer, connect or augment existing habitats
Hedgerow	Hedgerows will all be replaced with species Mix B.		

8.8.2 **Table 8C8.7** presents the quantum of each type of replacement planting. The features that were not surveyed and which would be removed have been included under 'mainly landscape qualities'. Instances of trees that have been not surveyed due to land access restrictions, and which would be removed has been included under 'mainly arboricultural qualities'. Instances of groups and woodland that have been not surveyed due to land access restrictions, and which would be removed has been included under 'mainly habitat qualities'.

Table 8C8.7 Distribution of replacement planting by primary value

Feature type	Mainly arboricultural qualities	Mainly landscape qualities	Mainly habitat qualities	Total
Tree	337	168	72	577
Group	0.09ha	21.9ha	3.1ha	25.1ha
Woodland	0ha	0ha	9.7ha	9.7ha

8.8.3 The design principles described for mitigation planting maximise the amount of new planting that would be delivered at or as close to the same location as possible from the trees which are lost. This means that the vast majority of mitigation can be embedded as part of the DCO and delivered in-situ

8.8.4 Mitigation that cannot be delivered in-situ includes the removal of trees, groups and hedges within the footprint of the proposed permanent above-ground infrastructure. It also includes the removal of individual trees on top of the pipelines where these cannot be replaced in-situ because the requirement to replant with the same or a comparable species that would create a future management issue. There may also be restrictions on new planting imposed by existing structures that prevent the replacement of the existing canopy area of removed trees, for example where they overhang hard-surfacing or water bodies). Finally, the planting of trees over a greater area than existing groups may be prevented or be undesirable due to other land use or constraint. Mitigation for the removal of such trees will be delivered via 'ex-situ' planting (planting of replacement trees using the same rates and species mixes but in other locations).

8.8.5 It is likely that sufficient opportunities exist within the Draft Order Limits and surrounds to plant the required number of individual Tree replacements via a combination of in-situ and ex-situ locations. The total number is low, relative to the scale of the Project and the suitable planting locations opportunities. This would principally be within new or reinstated hedgerow or field margins.

8.8.6 The replacement of tree Groups and Woodland would require more land than the existing trees currently occupy, making in-situ delivery impossible and ex-situ more difficult. The total ex-situ liability will be calculated based on the total planting liability (as per the above strategy and ratios) minus the in-situ planting. This remaining planting will be delivered according to the following hierarchy:

- As close as possible within the Draft Order Limits on land owned by the same landowner;
- As close as possible within the Draft Order Limits on land owned by an adjacent landowner;
- On other land within the Draft Order Limits;
- As close as possible outside the Draft Order Limits; and
- On other land within the region (e.g. Local Planning Authorities or Nature Reserves).

8.8.7 The Applicant will liaise with landowners and other bodies (e.g. those providing units to the Biodiversity Net Gain market) regarding the location of ex-situ planting during detailed planting design unless a different approach is required to achieve successful establishment (e.g. due to competition from other plants) or to quickly reinstate an important function (e.g. screening or a boundary). The final specification of tree sizes for planting and maintenance schedules would be produced as part of detailed planting plans.

8.8.8 Provision will be made for the maintenance of new planting in accordance with British Standard 8545:2014 Trees: from nursery to independence in the landscape – Recommendations (BS8545), and replacement of failures for a period of at least 5 years.

8.9 Waste Management

8.9.1 All instances of tree pruning, tree removal or hedgerow removal would be grouped according to land ownership and location and a tree works schedule would be produced for each ‘site’ thereby defined. The treatment of arisings (material produced by tree felling or pruning or hedgerow removal) would be detailed on a site-by-site basis as part of the specification for pruning or removal, points of access and any other restrictions or requirements that are to be observed by the contractor. All works would be undertaken according to British Standard 3998:2010 Tree Works Recommendations (BS3998).

8.9.2 The treatment of arisings would be determined according to a hierarchy of options. Each option would be considered in turn and a justification given if it cannot be implemented before the following option may be considered. The options for treatment consider the distance arisings are to be moved (Displacement), and the resultant size of arisings (Processing). The objective in all cases would be to minimise both the Displacement and Processing of arisings.

8.9.3 The hierarchy of options is outlined below. This list is not exhaustive and not all options apply to all pruning operations (e.g. for small trees without timber value):

- Leave tree in-situ;
- Leave standing stem in-situ, stack branches in windrows or habitat piles;
- Fell tree and leave in-situ (rarely suitable);
- Fell tree, make stem safe, stack branches in windrows or habitat piles;

- Cut up tree and stack in-situ;
- Cut up tree and stack elsewhere on-site;
- Extract timber and stack branches on-site;
- Extract timber and chip branches on-site;
- Chip or mulch entire tree and leave on-site;
- Chip branches and remove from site, leave stem on-site;
- Remove all arisings from site, stem entire; or
- Remove all arisings from site, stem ringed (e.g. for firewood).

8.9.4 Burning would not be considered unless this is specifically for biosecurity reasons. Burning may be required to control the spread of a known pest or disease. Such decisions would be made in accordance with current biosecurity advice including Department for Environment Food and Rural Affairs (DEFRA) UK Plant Health Risk Register and DEFRA Protecting Plant Health Plant Biosecurity Strategy for Great Britain 2023 to 2028 (or later versions as amended). Statutory Plant Health Notices may also influence decision making around the treatment and movement of arisings.

8.9.5 The Environment Agency (EA) considers arboricultural arisings to be virgin timber and not waste. This position is contingent on the material being mainly woody in composition and on the end use being 'one to which virgin timber is commonly put'. Examples of such uses provided by EA include: woodchip for landscaping, material for composting, fuel for an appliance, and a material to create or maintain a habitat as part of the natural cycle of land management.

8.9.6 All material that is produced by tree pruning and felling operations will meet the EA criteria for virgin timber and therefore be capable of not being classed as waste. The purpose of the above hierarchy is to cause the least possible disruption to nutrient and carbon cycling and to preserve or create habitats for invertebrates, fungi, small mammals and birds. Arisings that are left on-site therefore create or maintain a habitat as part of the natural cycle of land management and are not classed as waste.

8.9.7 Where trees are felled, there would be a preference for the retention of stumps. In some situations, the removal of stumps would be required because they would present an obstruction to excavation or safe passage of plant, vehicles or pedestrians. The most appropriate means of stump removal would form part of the final tree works specification and waste management strategy.

8.9.8 Arisings that must leave the site on which they were produced would be treated according to the above hierarchy, (i.e. with a preference for the shortest distance of travel and the least amount of processing). No arisings would be sent to landfill and all material would be recovered. It is anticipated that the majority of material would be recovered either as woodchip for landscaping, material for composting, firewood, woodfuel, or timber. Only five of the above twelve options involve the removal of any material and only two options describe the removal of all material produced by tree works. Where material can be appropriately retained on the site of origin, the main purpose is to retain habitat functions associated with the

features that have been removed such as connectivity of small mammal habitat, decaying wood for invertebrates or fungi and aerial cavities for bats. In addition, there is an imperative to reduce the removal of nutrients from each site by the extraction of arisings. It is therefore likely that a large proportion of tree works would fall under the above EA description: a material to create or maintain a habitat as part of the natural cycle of land management.

8.9.9 The mechanism for recovery and the selection of the preferred end use would be according to the individual contractor's choice. Cadent would ensure that each contractor has the appropriate licences and exemptions are in place for the transport, conversion and storage of any such material. Distance to sites may be factored into the selection of contractors to minimise the transport of arisings and the end use of all arisings (normally for biomass fuel, woodchip, compost or firewood) would be monitored by the appointed ACoW.

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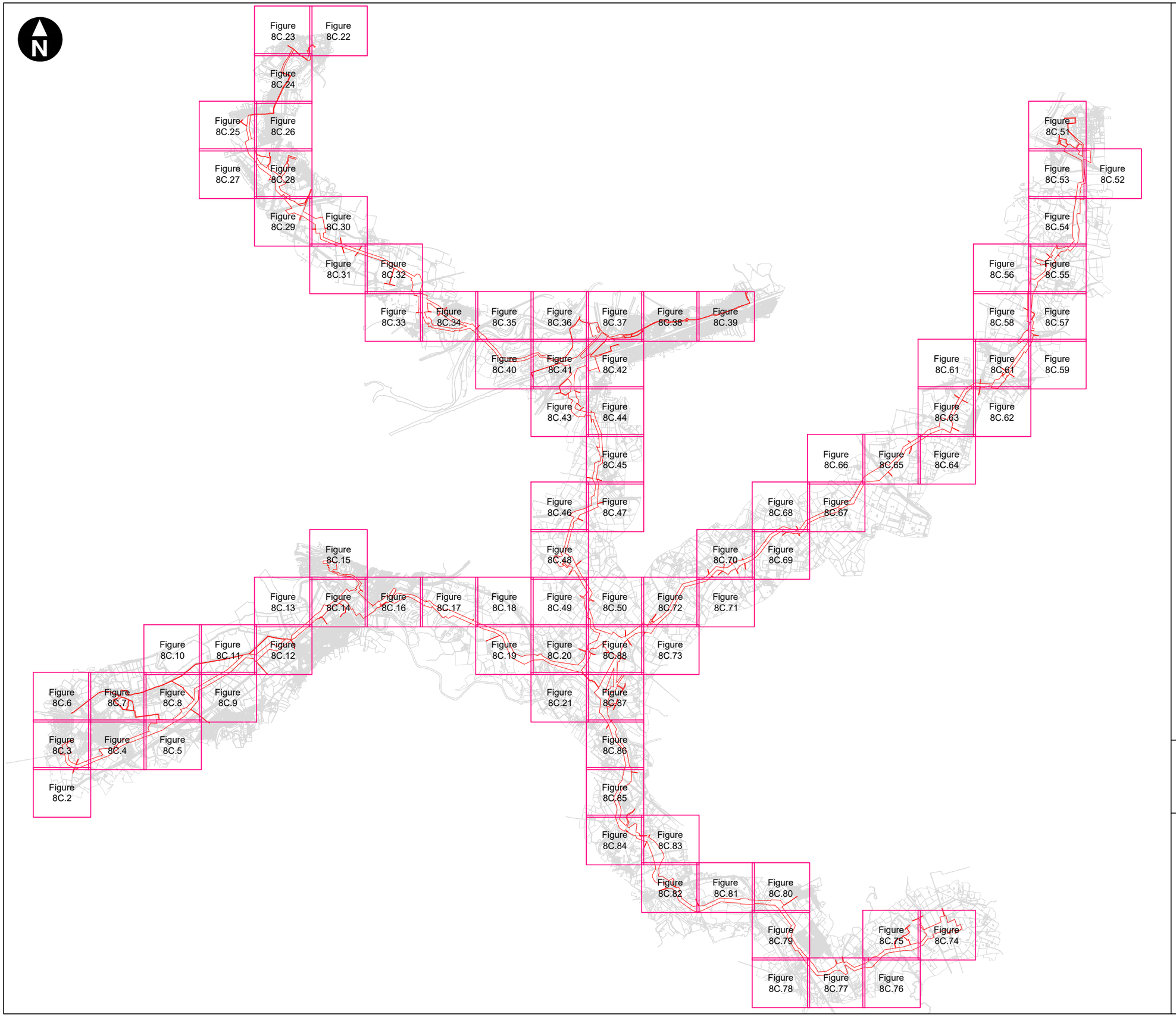
Annex 8C1
Arboricultural Constraints Plan



Key

Figure Reference

Draft Order Limits

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Arboricultural Impact Assessment

Figure 8C.1
Arboricultural Constraints Plan Figure Overview

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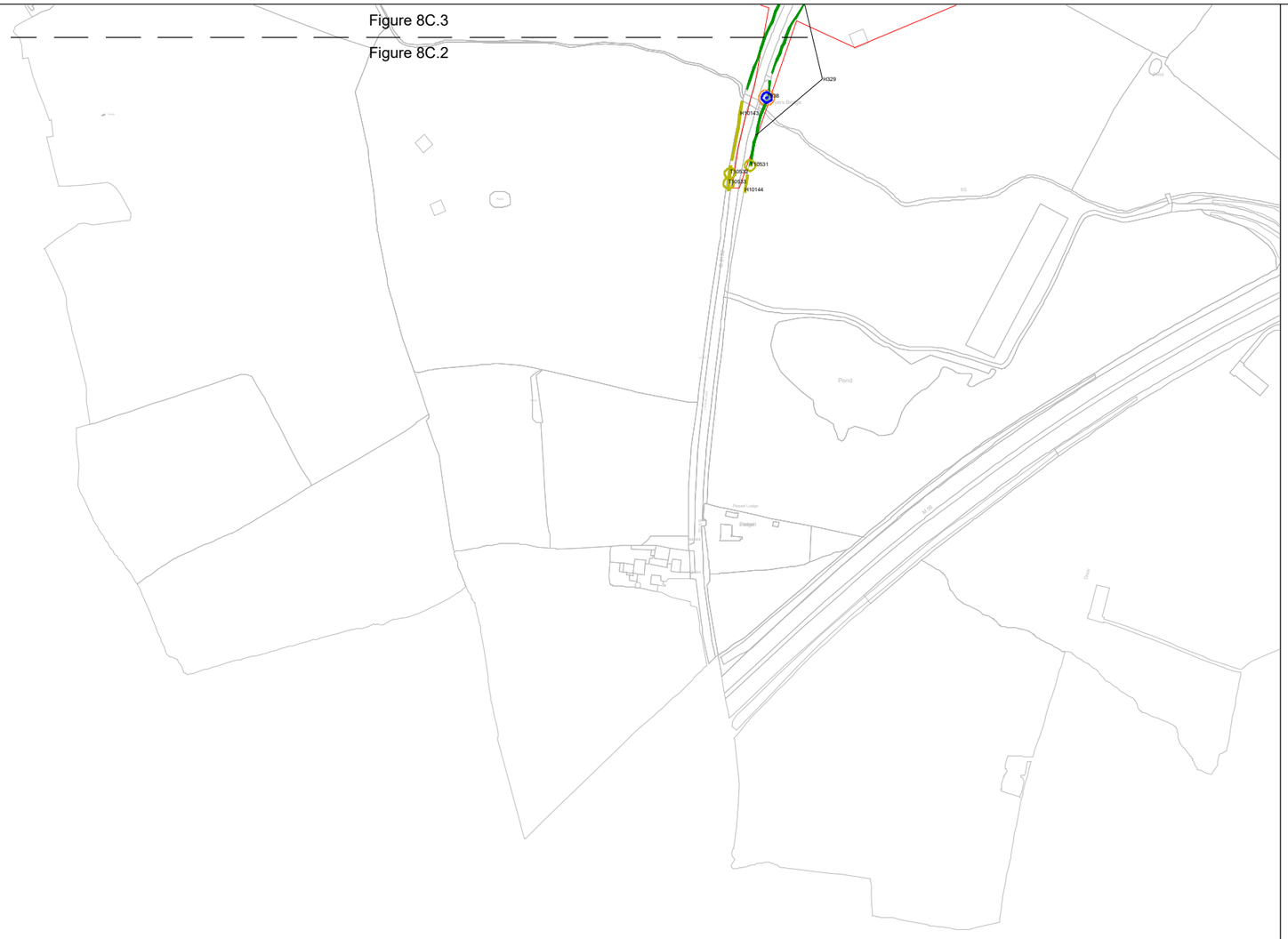
Figure 8C.3

Figure 8C.2



Key

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- Local Planning Authority Boundary

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Figure 8C.2
Arboricultural Constraints Plan - Sheet 1 of 87

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Figure 8C.6

Figure 8C.3

Figure 8C.3

Figure 8C.4

Figure 8C.3

Figure 8C.2

Key

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Figure 8C.3
Arboricultural Constraints Plan - Sheet 2 of 87

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Figure 8C.7

Figure 8C.4

Figure 8C.3

Figure 8C.4

Figure 8C.4

Figure 8C.5

Key

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Figure 8C.4
Arboricultural Constraints Plan - Sheet 3 of 87

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Figure 8C.8

Figure 8C.5

Figure 8C.4

Figure 8C.5

Key

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Figure 8C.5
Arboricultural Constraints Plan - Sheet 4 of 87

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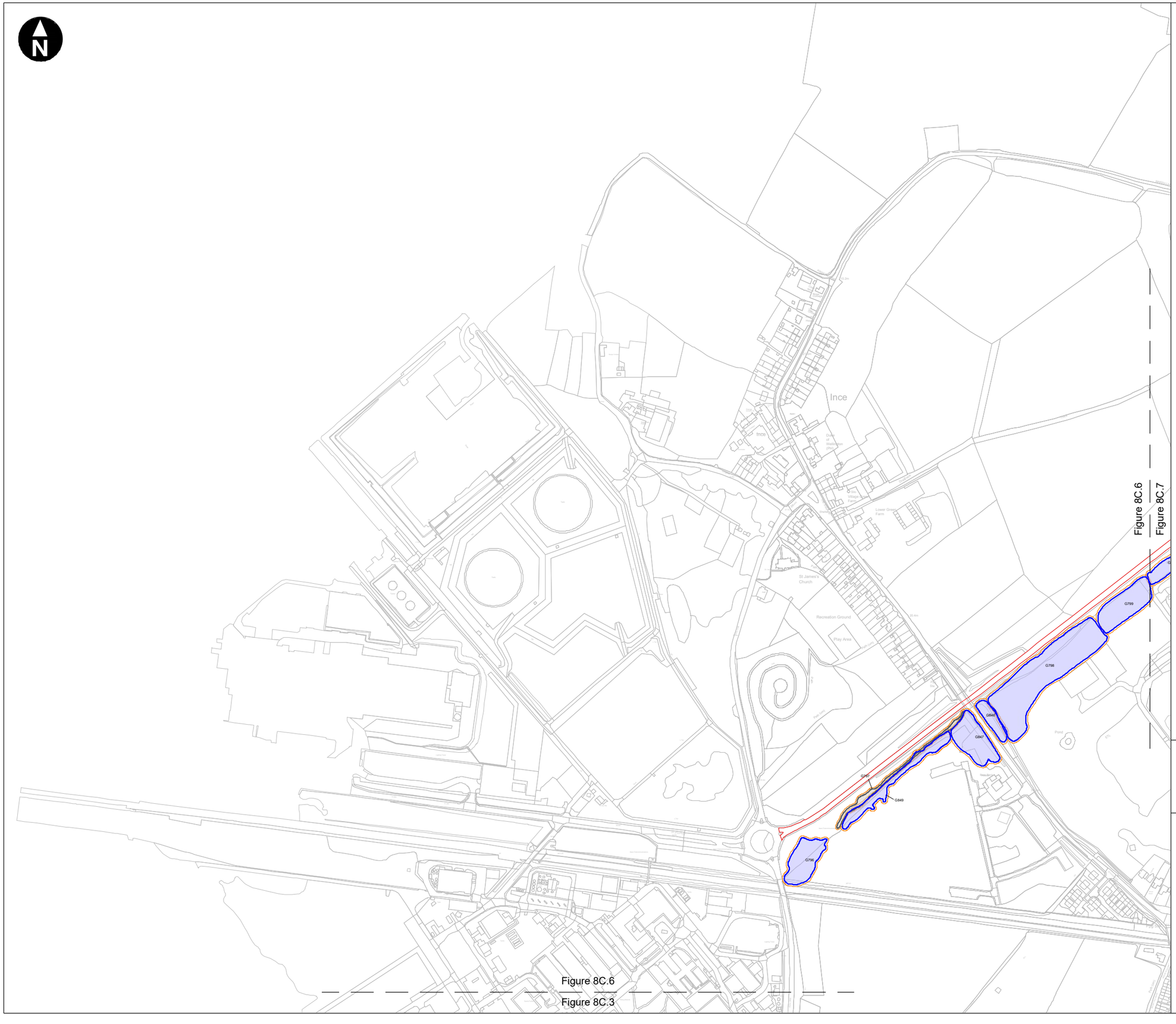

Figure 8C.6

Figure 8C.3

Key

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Figure 8C.6
Arboricultural Constraints Plan - Sheet 5 of 87

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Figure 8C.6

Figure 8C.7

Figure 8C.7

Figure 8C.8

Figure 8C.7

Figure 8C.4

Key

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Figure 8C.7
Arboricultural Constraints Plan - Sheet 6 of 87

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Figure 8C.10

Figure 8C.8

Figure 8C.7

Figure 8C.8

Figure 8C.8

Figure 8C.9

Figure 8C.8

Figure 8C.5

Key

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Figure 8C.8
Arboricultural Constraints Plan - Sheet 7 of 87

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Figure 8C.11

Figure 8C.9

Figure 8C.8

Figure 8C.9

Helsby Marsh

Helsby High School

Key

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Figure 8C.9
Arboricultural Constraints Plan - Sheet 8 of 87

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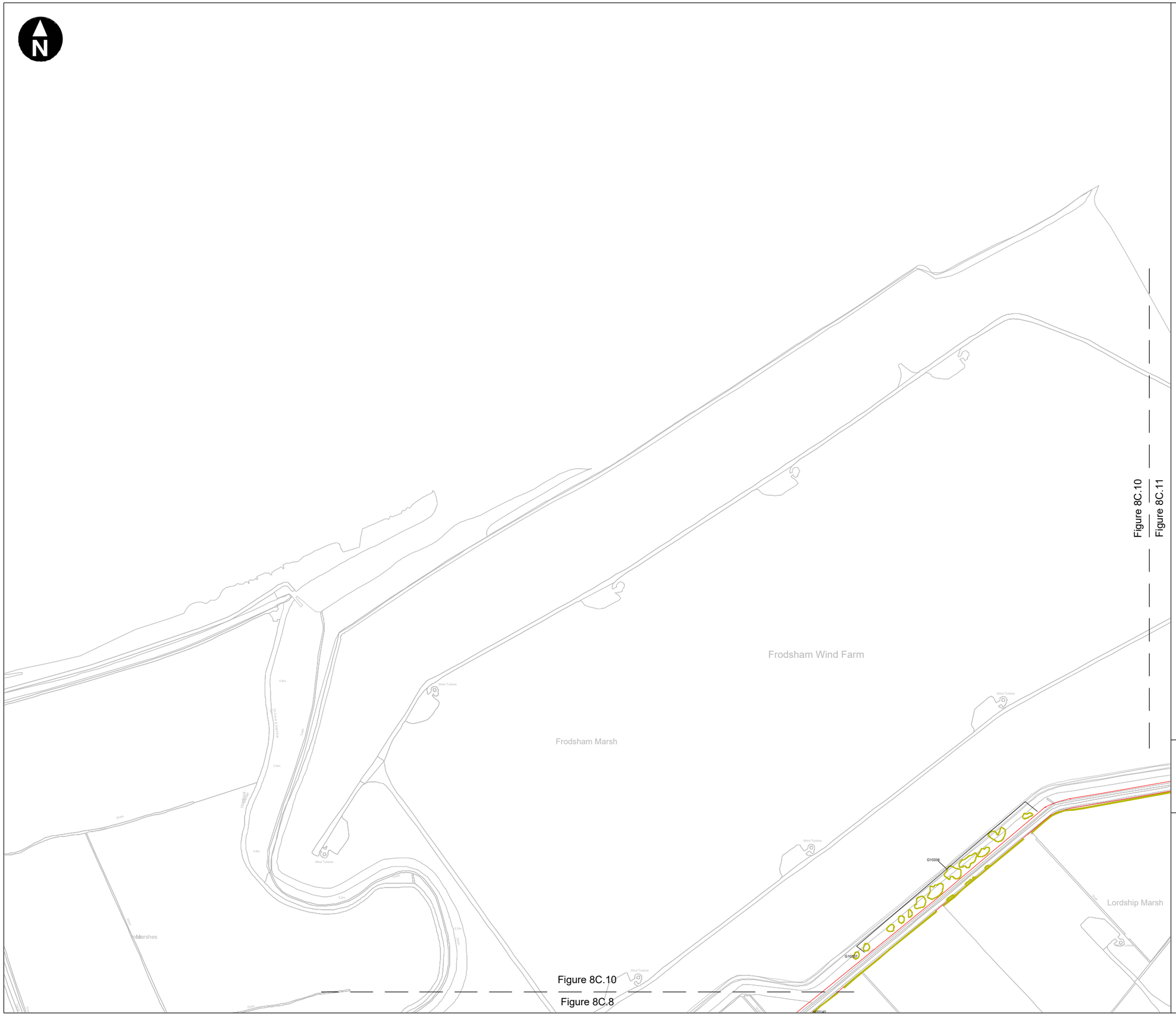

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Figure 8C.10
Arboricultural Constraints Plan - Sheet 9 of 87

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Figure 8C.10

Figure 8C.11

Figure 8C.11

Figure 8C.12

Figure 8C.9

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Figure 8C.11
Arboricultural Constraints Plan - Sheet 10 of 87

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Figure 8C.13

Figure 8C.12

Figure 8C.11

Figure 8C.12

Key

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Figure 8C.12
Arboricultural Constraints Plan - Sheet 11 of 87

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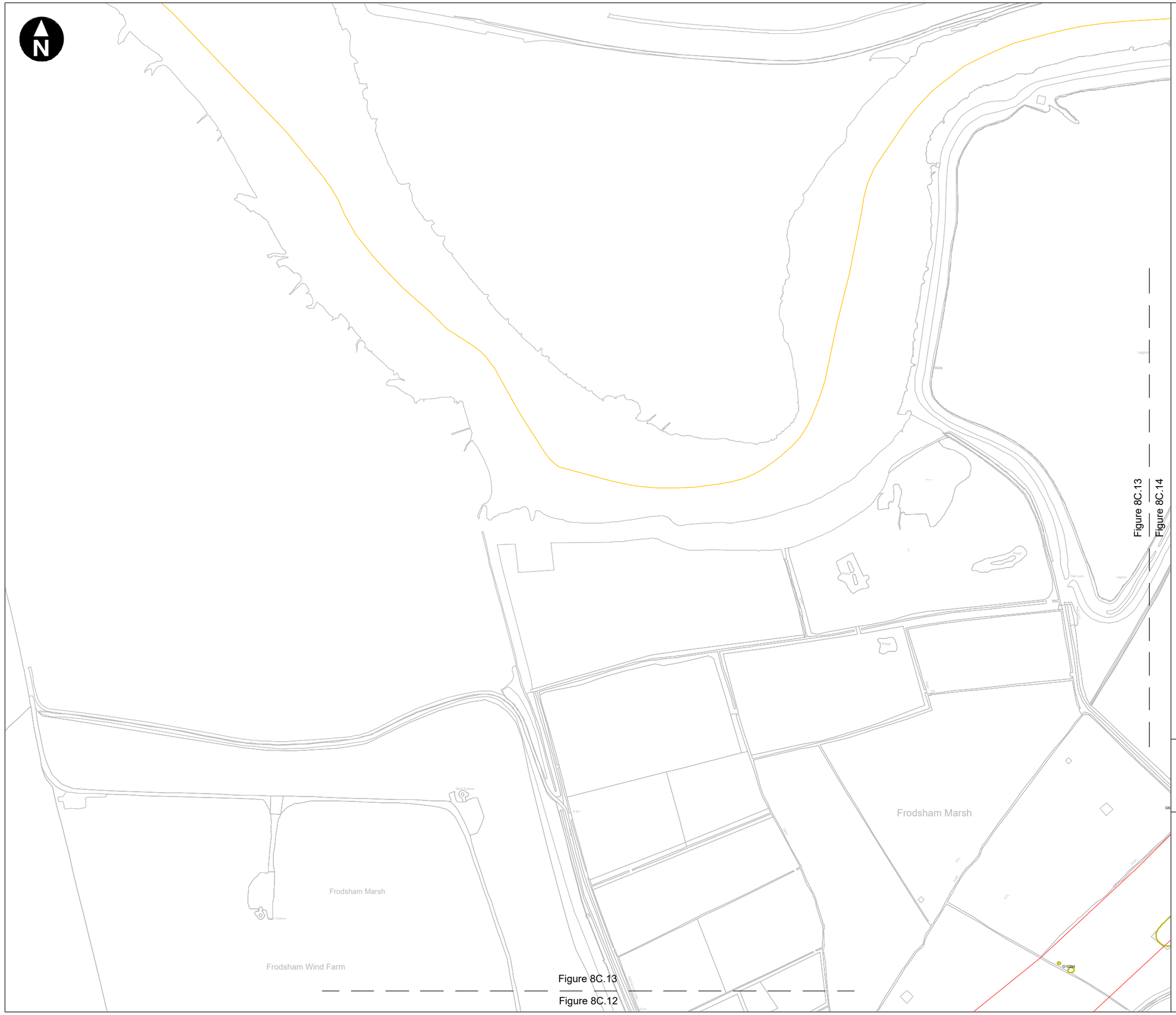

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Figure 8C.13
Arboricultural Constraints Plan - Sheet 12 of 87

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Figure 8C.15

Figure 8C.14

Figure 8C.13

Figure 8C.14

Figure 8C.14

Figure 8C.16

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Figure 8C.14
Arboricultural Constraints Plan - Sheet 13 of 87

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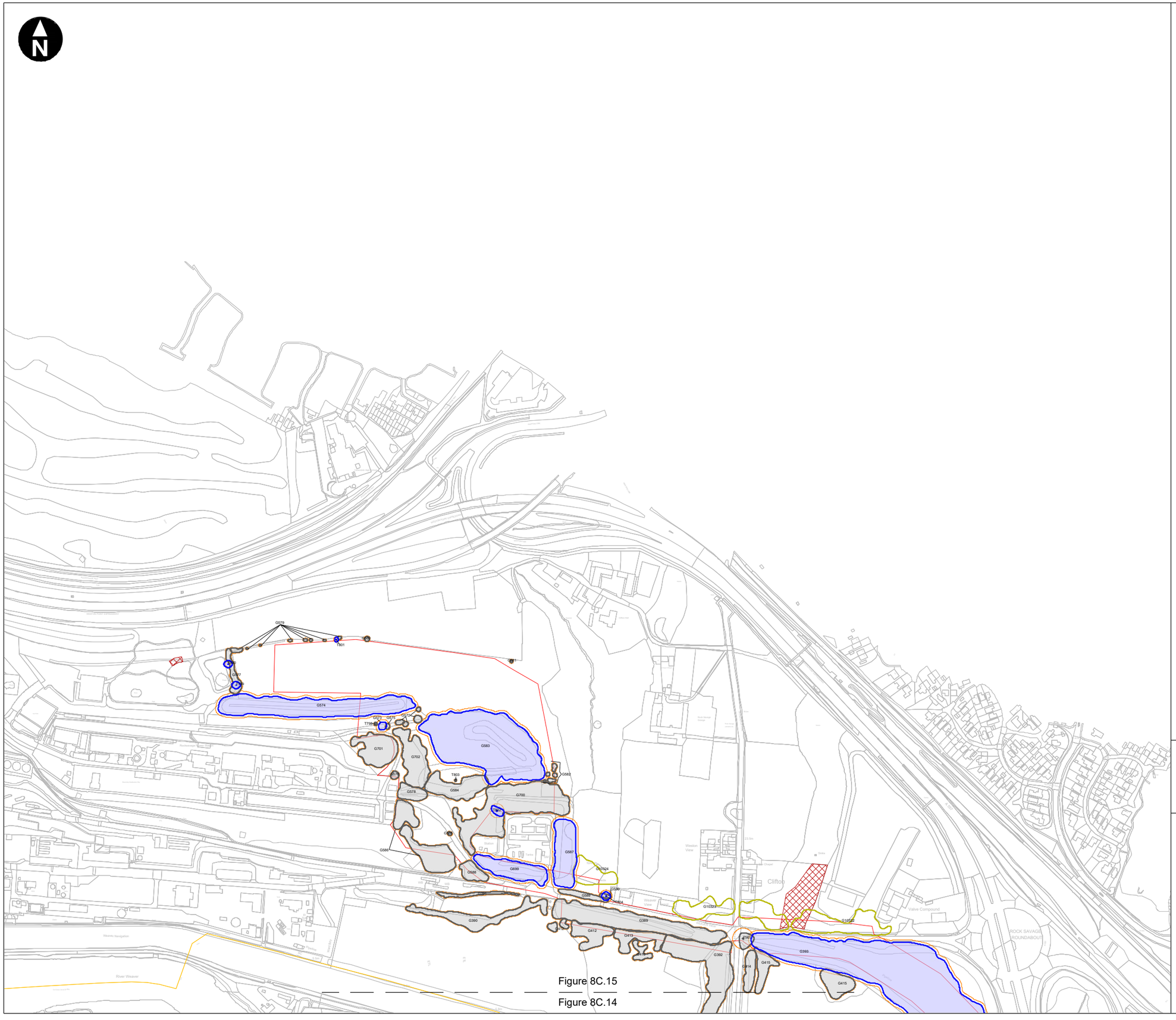

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Figure 8C.15
Arboricultural Constraints Plan - Sheet 14 of 87

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Figure 8C.15

Figure 8C.14

Figure 8C.14

Figure 8C.16

Figure 8C.16

Figure 8C.17

Key

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Figure 8C.16
Arboricultural Constraints Plan - Sheet 15 of 87

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Figure 8C.16

Figure 8C.17

Figure 8C.17

Figure 8C.18

Key

- Draft Order Limits
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Figure 8C.17
Arboricultural Constraints Plan - Sheet 16 of 87

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Figure 8C.17

Figure 8C.18

Figure 8C.18

Figure 8C.49

Figure 8C.18

Figure 8C.19

Key

- Draft Order Limits
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Arboricultural Impact Assessment

Figure 8C.18
Arboricultural Constraints Plan - Sheet 17 of 87

August 2024

Figure 8C.18

Figure 8C.19

Figure 8C.19

Figure 8C.20

Key

- Draft Order Limits
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Figure 8C.19
Arboricultural Constraints Plan - Sheet 18 of 87

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Figure 8C.49

Figure 8C.20

Figure 8C.19

Figure 8C.20

Figure 8C.20

Figure 8C.88

Figure 8C.20

Figure 8C.21

Key

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Figure 8C.20
Arboricultural Constraints Plan - Sheet 19 of 87

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Figure 8C.20

Figure 8C.21

Figure 8C.21

Figure 8C.87

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Figure 8C.21
Arboricultural Constraints Plan - Sheet 20 of 87

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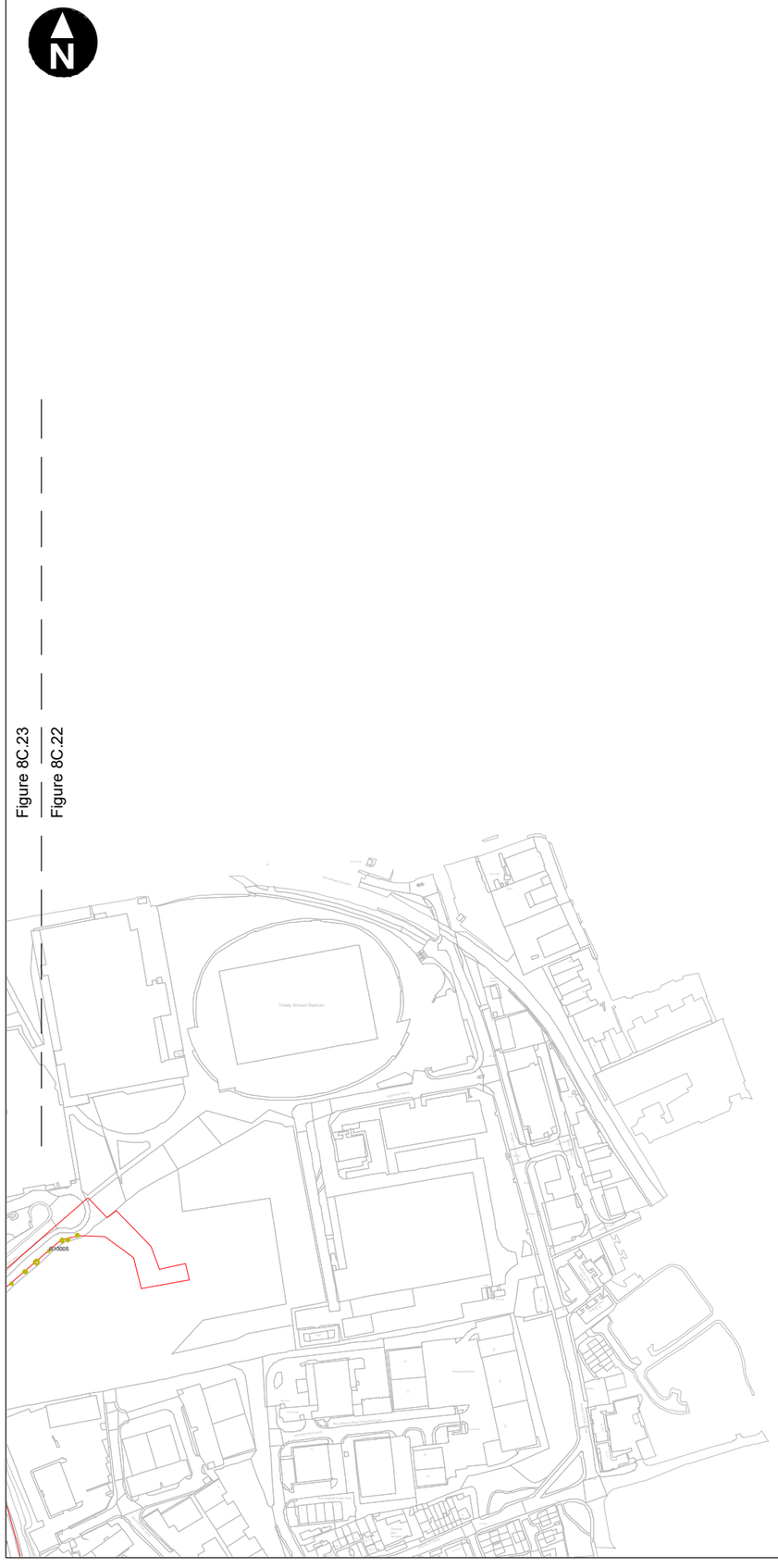
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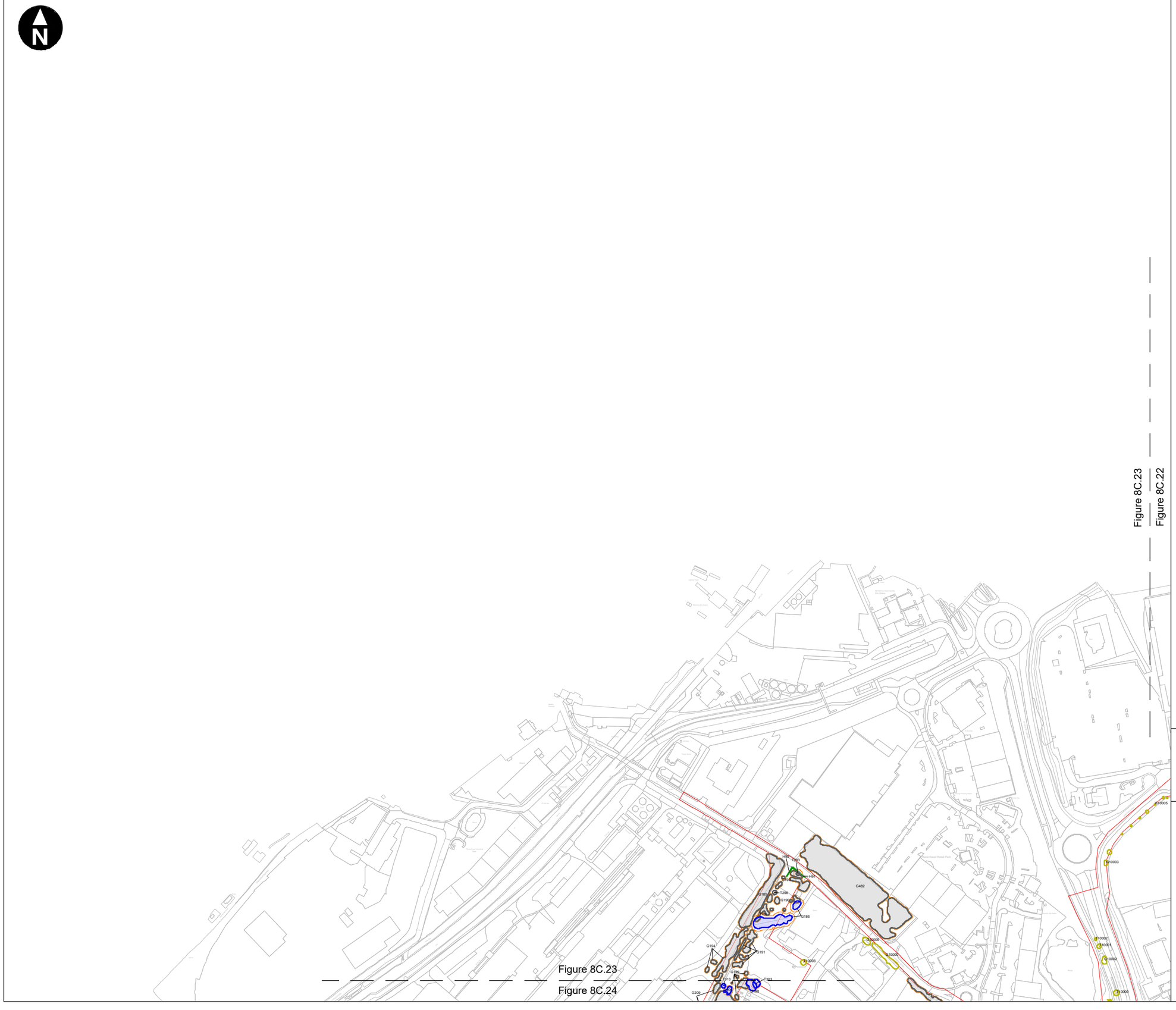
Figure 8C.22
Totally Wicked Stadium
Runcorn Station
Runcorn Link
Transporter Bridge
Runcorn Old Bridge
Runcorn Bridge
Bridge
Weir
Sewage Works
Pumping Station
Tank
Sewage Treatment Works
Sewage Treatment Works
Sewage Treatment Works



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- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

Figure 8C.23

Figure 8C.22

0 m — 250 m

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Figure 8C.23
Arboricultural Constraints Plan - Sheet 22 of 87

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Figure 8C.23

Figure 8C.24

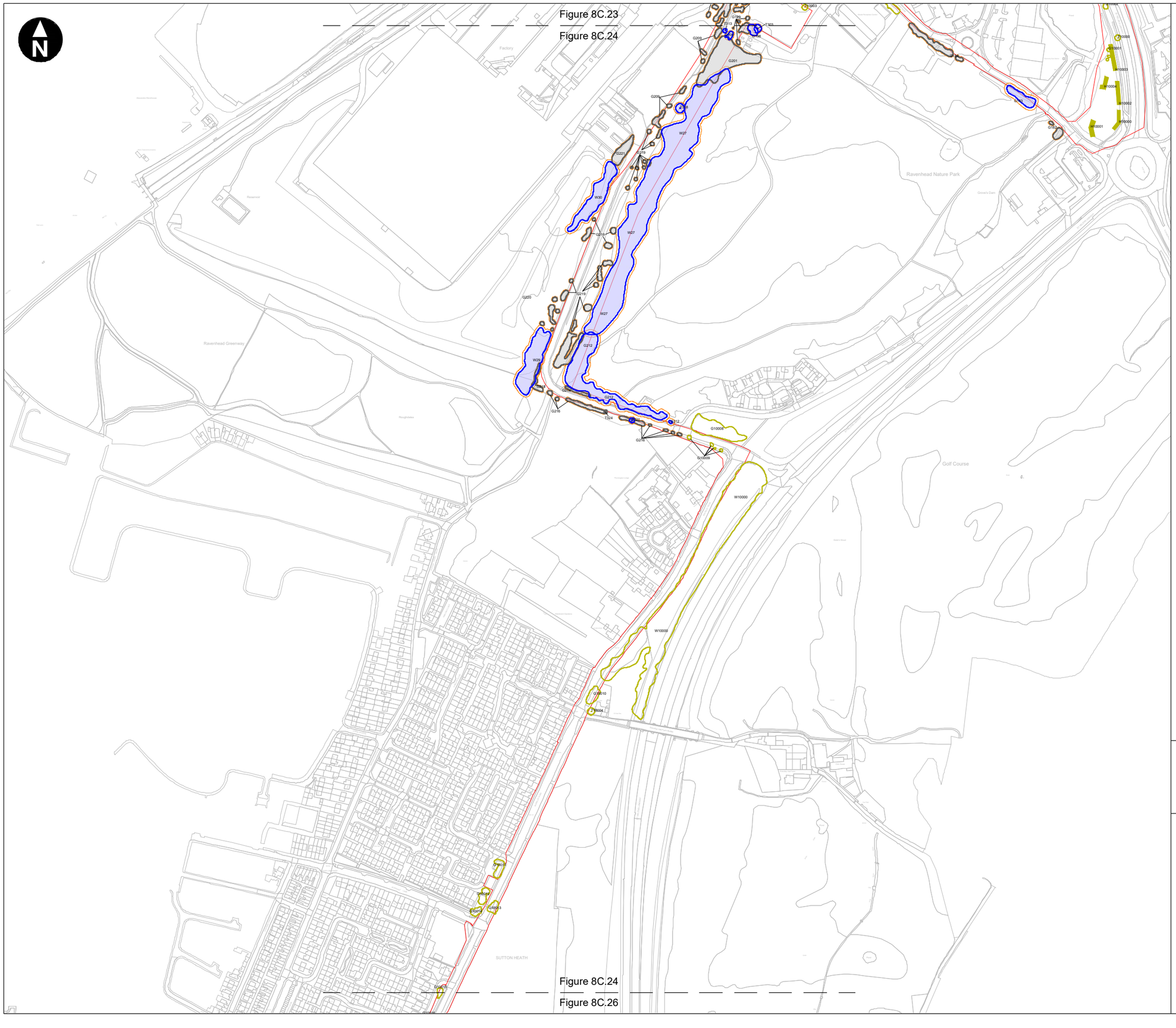

Figure 8C.24

Figure 8C.26

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
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- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.24
Arboricultural Constraints Plan - Sheet 23 of 87

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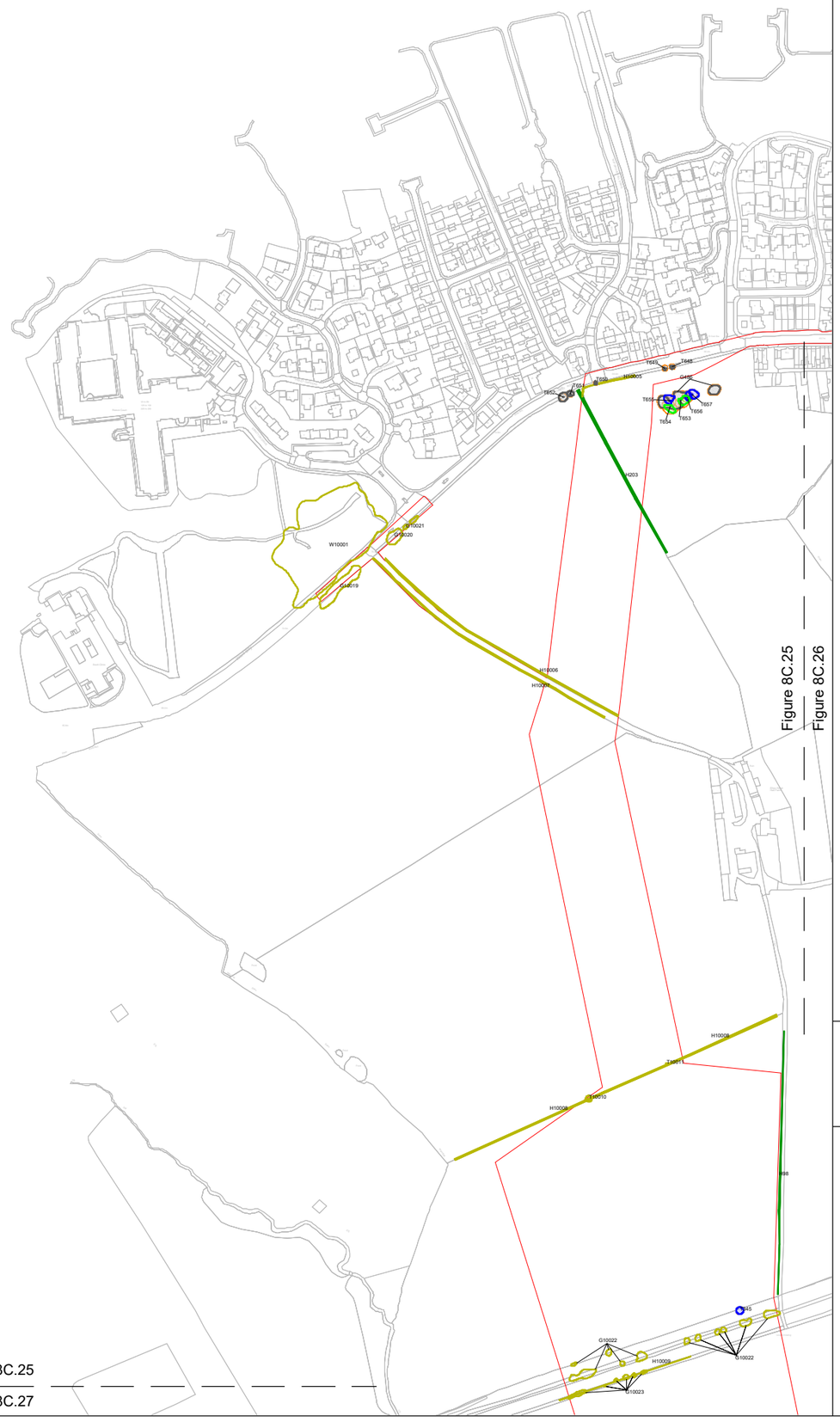

Key

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- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.25
Arboricultural Constraints Plan - Sheet 24 of 87

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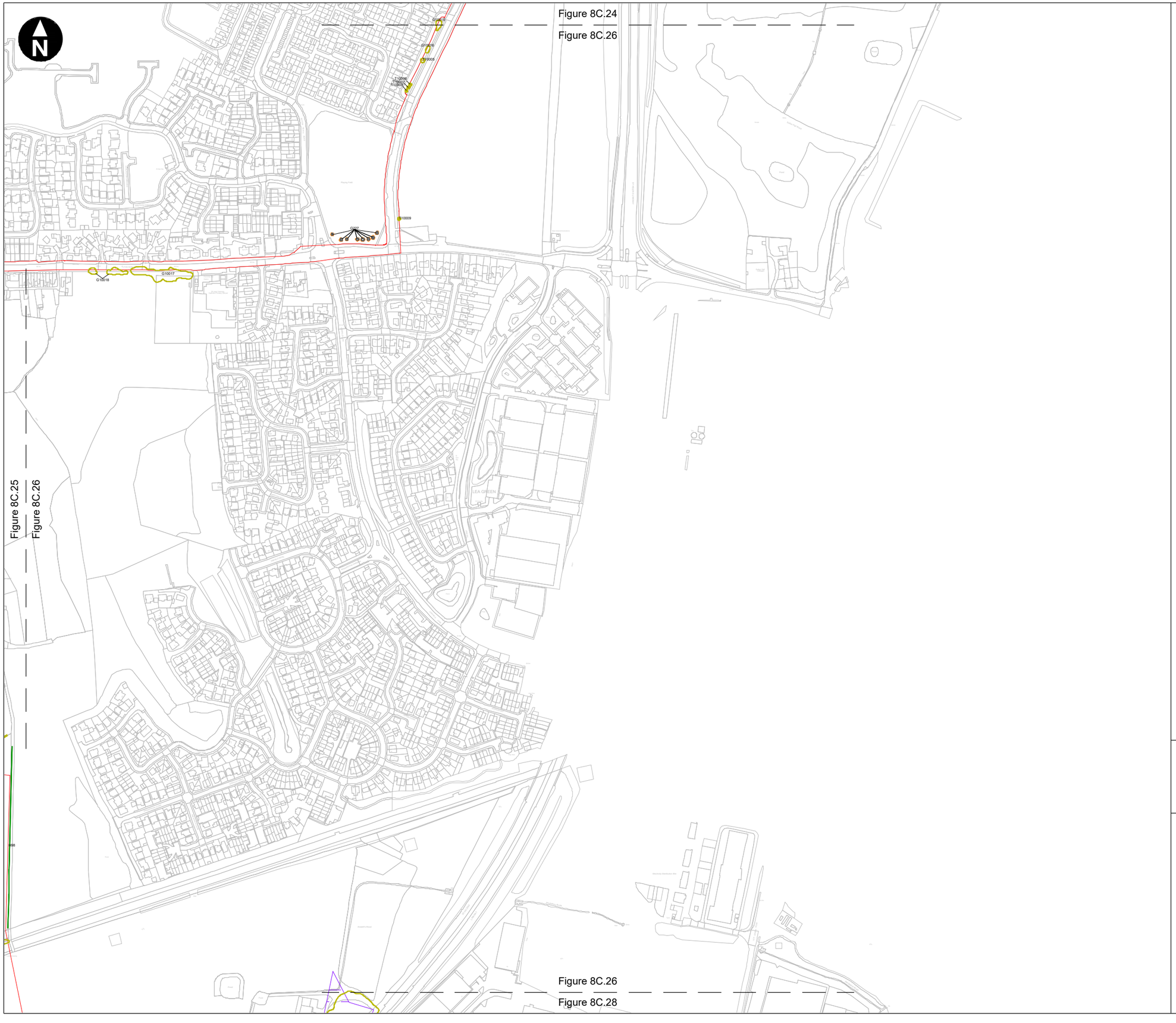

Key

- Draft Order Limits
- T/G/W/H Feature Label
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- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.26
Arboricultural Constraints Plan - Sheet 25 of 87

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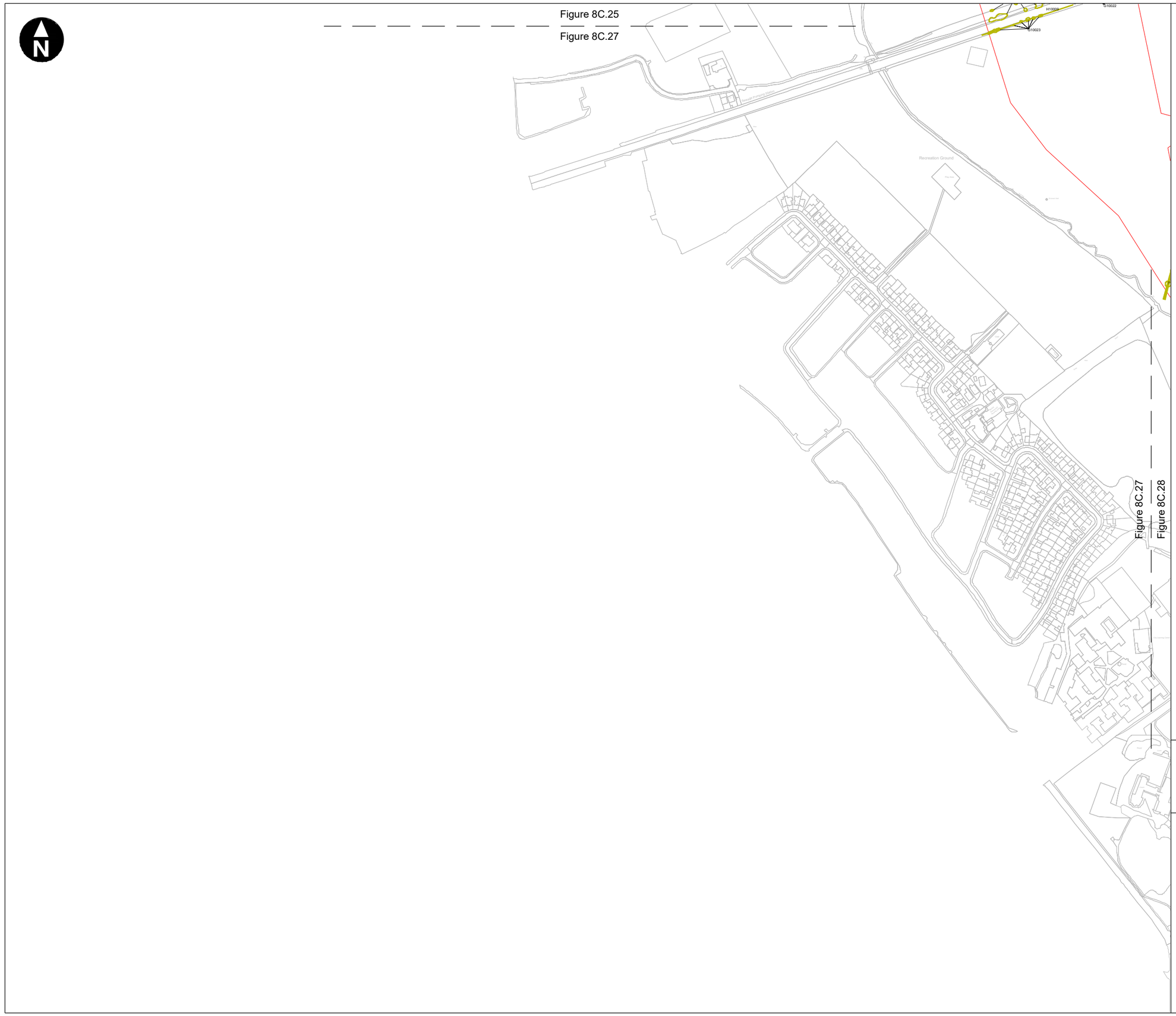

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
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- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.27
Arboricultural Constraints Plan - Sheet 26 of 87

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Figure 8C.26

Figure 8C.28

Figure 8C.27

Figure 8C.28

Figure 8C.28

Figure 8C.29

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
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Arboricultural Constraints Plan - Sheet 27 of 87

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Figure 8C.28

Figure 8C.29

Figure 8C.29

Figure 8C.30

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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Arboricultural Constraints Plan - Sheet 28 of 87

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Figure 8C.29

Figure 8C.30

Figure 8C.31

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
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- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 29 of 87

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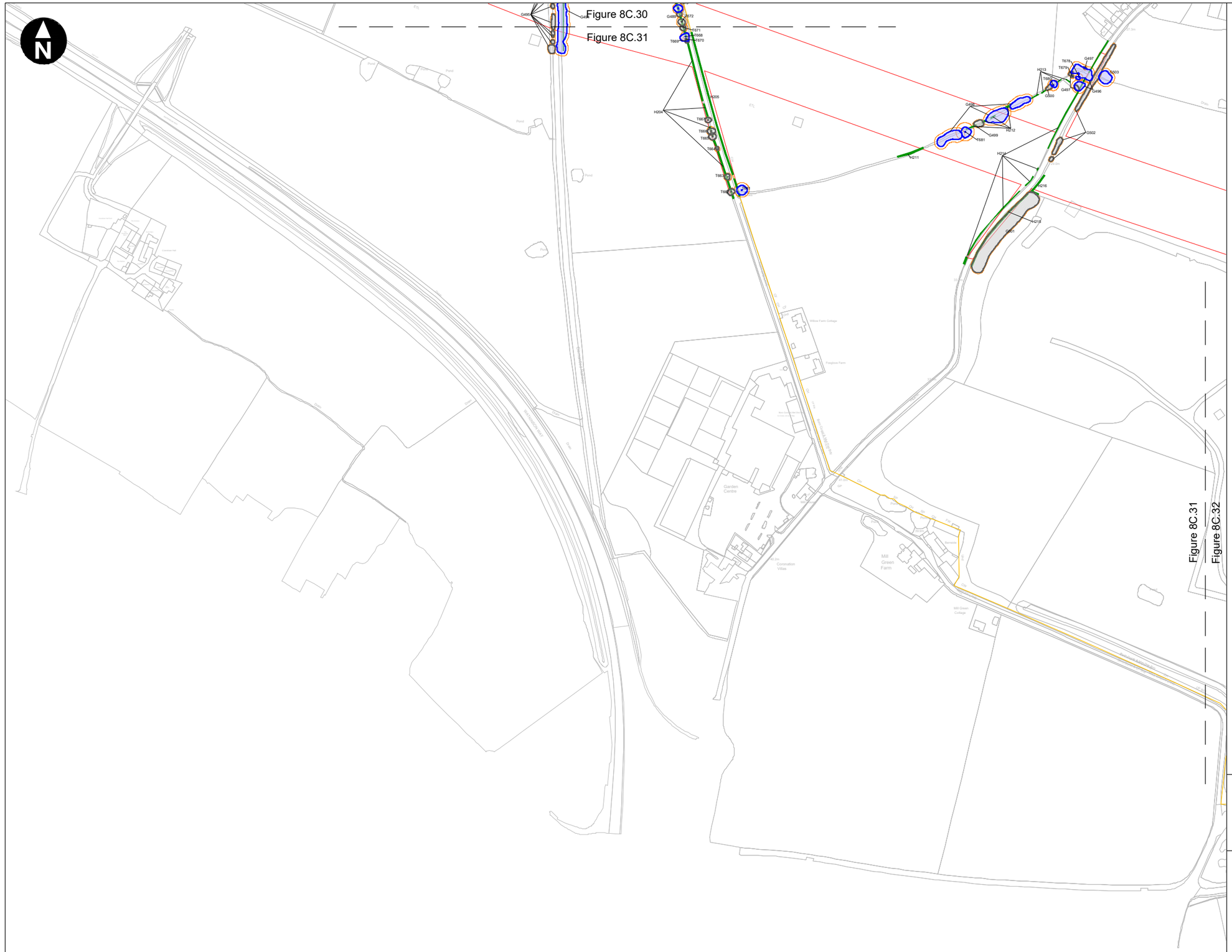

Key

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- Traditional Orchard
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- Local Planning Authority Boundary

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Figure 8C.31
Arboricultural Constraints Plan - Sheet 30 of 87

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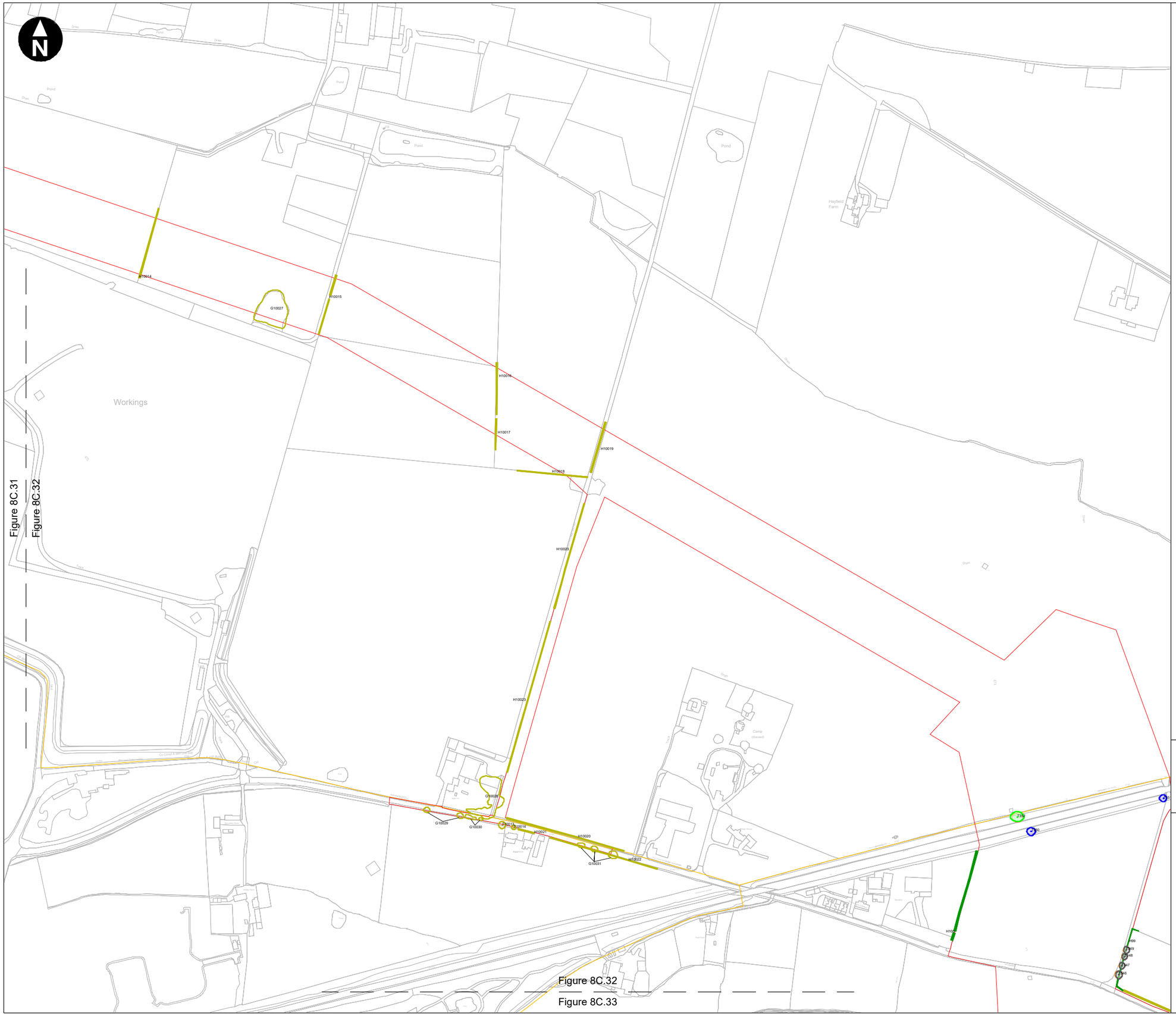

Key

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- Traditional Orchard
- Tree Preservation Order
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Figure 8C.32
Arboricultural Constraints Plan - Sheet 31 of 87

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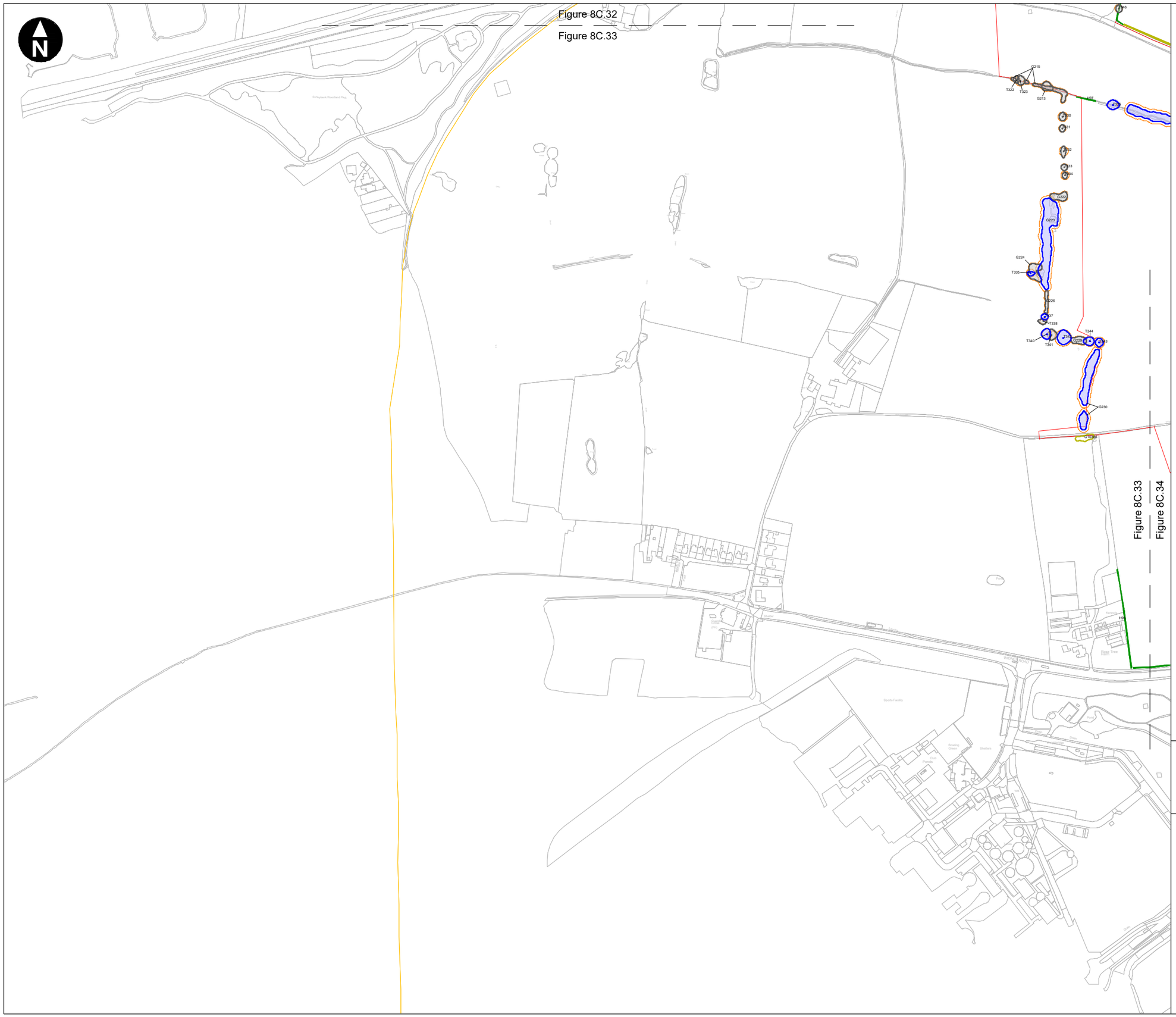

Key

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- Local Planning Authority Boundary

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Figure 8C.33
Arboricultural Constraints Plan - Sheet 32 of 87

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Figure 8C.33

Figure 8C.34

Figure 8C.34

Figure 8C.35

Golf Driving Range

Golf Course

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
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- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.34
Arboricultural Constraints Plan - Sheet 33 of 87

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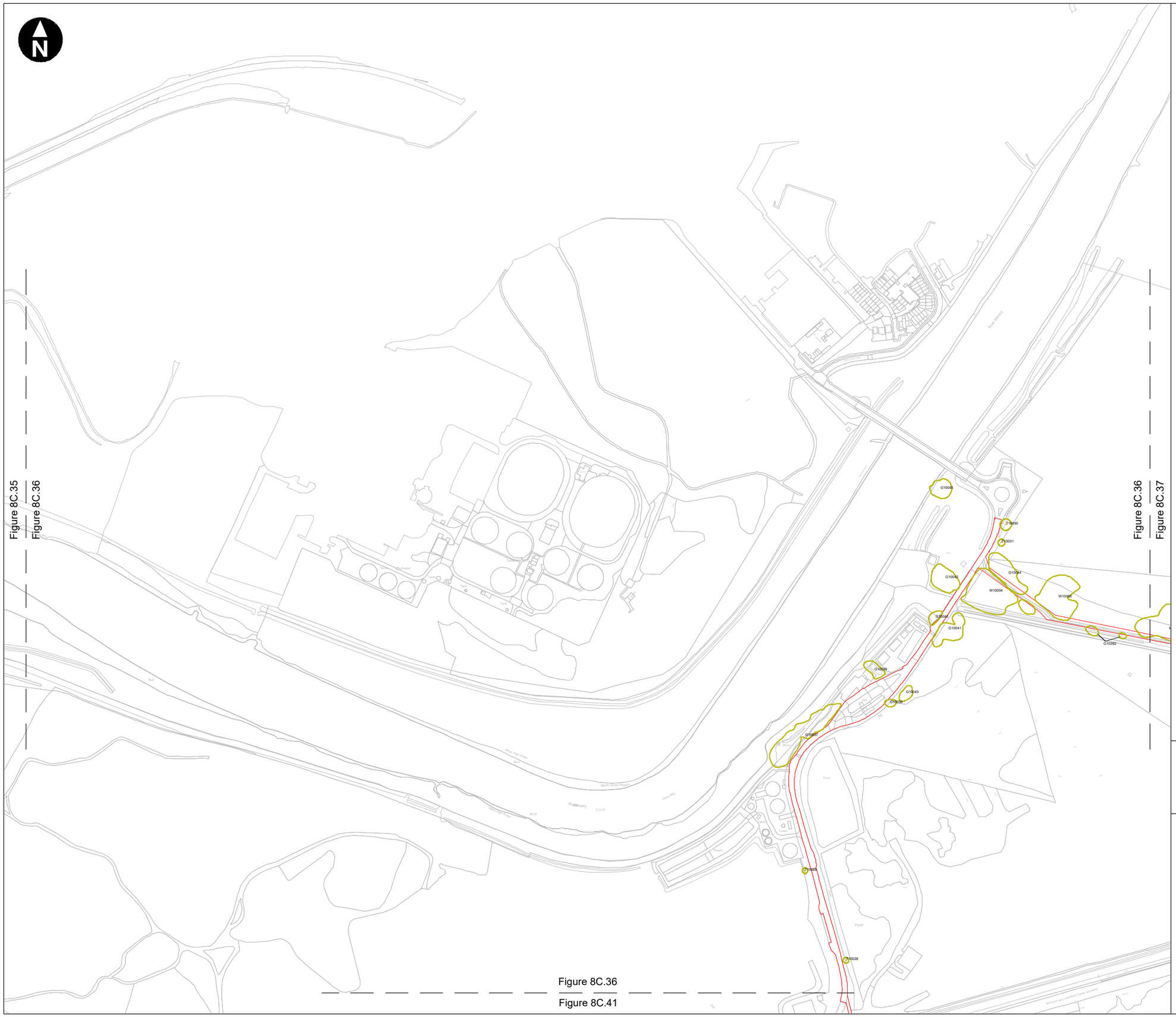
Figure 8C.34
Figure 8C.35
Figure 8C.35
Figure 8C.36
River Mersey
River Mersey
Richmond Bank
St Helens Canal
Penketh Bank
Mud
Mud
Mud



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- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 35 of 87

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Figure 8C.36

Figure 8C.37

Figure 8C.37

Figure 8C.38

Figure 8C.37

Figure 8C.42

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
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- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 36 of 87

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Figure 8C.37

Figure 8C.38

Figure 8C.38

Figure 8C.39

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
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- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.38
Arboricultural Constraints Plan - Sheet 37 of 87

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Figure 8C.38

Figure 8C.39

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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- Traditional Orchard
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- Local Planning Authority Boundary

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Figure 8C.39
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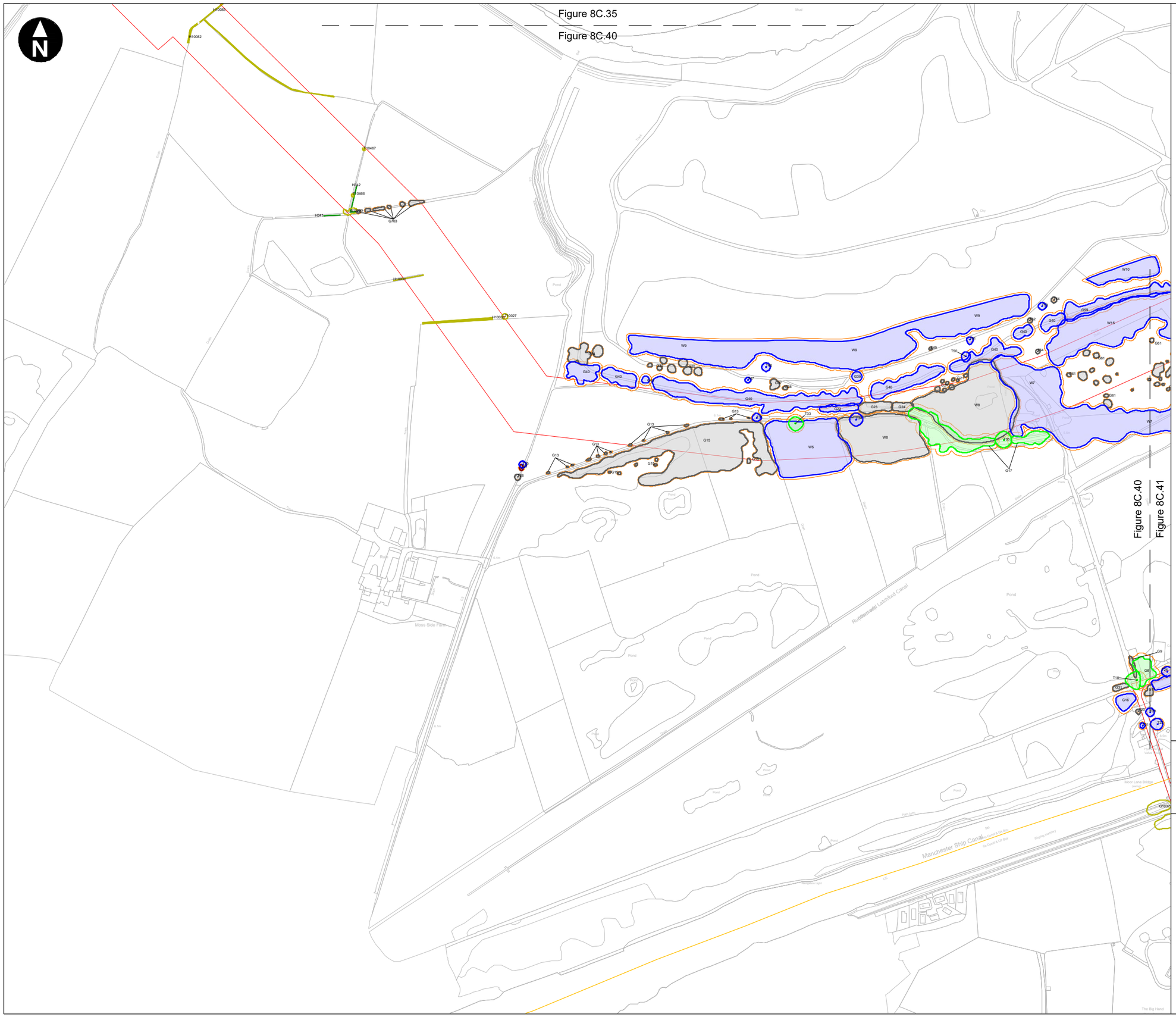

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Figure 8C.36

Figure 8C.41

Figure 8C.40

Figure 8C.41

Figure 8C.41

Figure 8C.42

Figure 8C.41

Figure 8C.43

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
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- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.41
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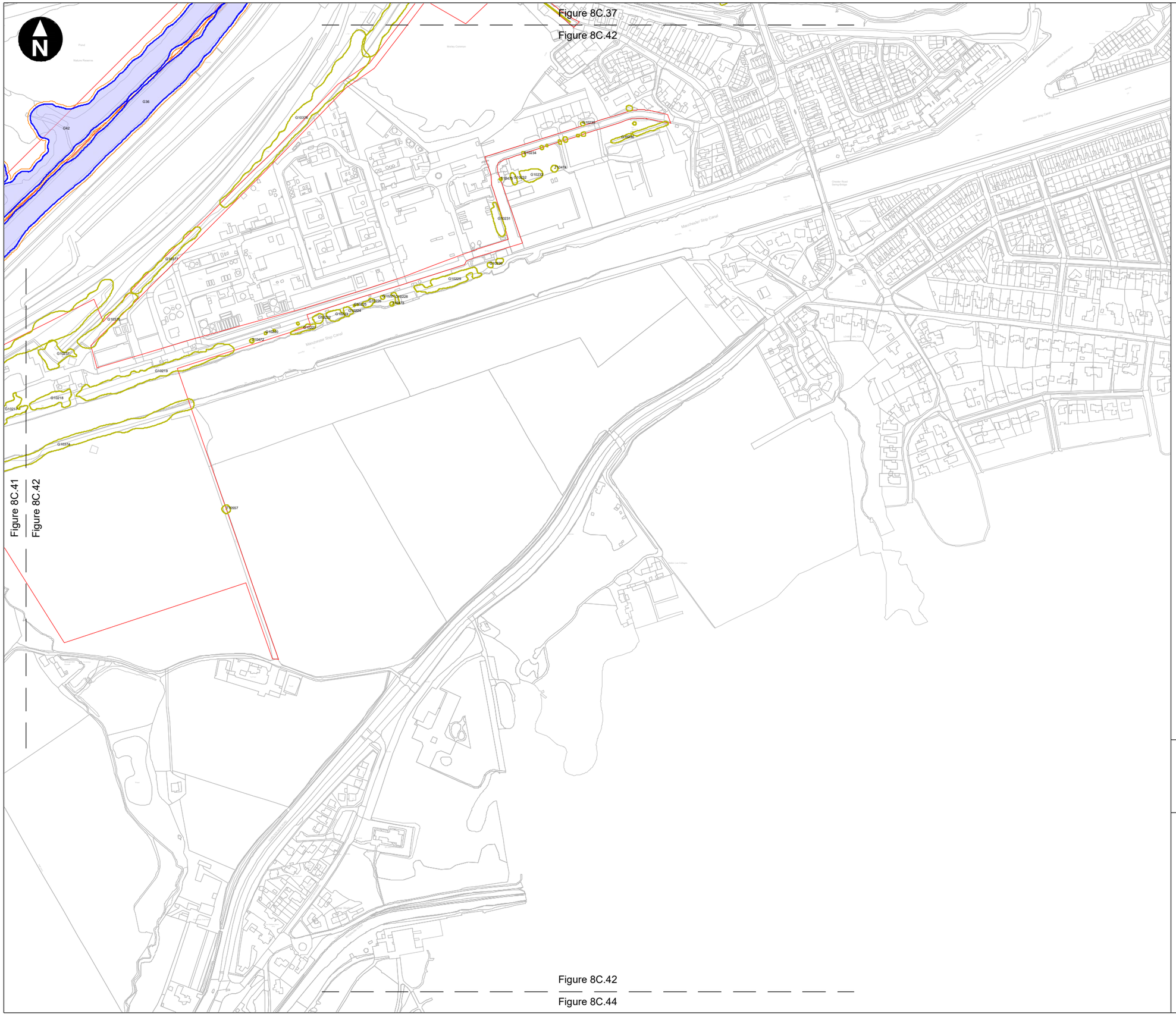

Key

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- Ancient Woodland
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- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 41 of 87

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Figure 8C.41

Figure 8C.43

Figure 8C.43

Figure 8C.44

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 42 of 87

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Figure 8C.42

Figure 8C.44

Figure 8C.43

Figure 8C.44

Figure 8C.44

Figure 8C.45

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 43 of 87

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Figure 8C.44

Figure 8C.45

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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Figure 8C.45

Figure 8C.47

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
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Figure 8C.46
Arboricultural Constraints Plan - Sheet 45 of 87

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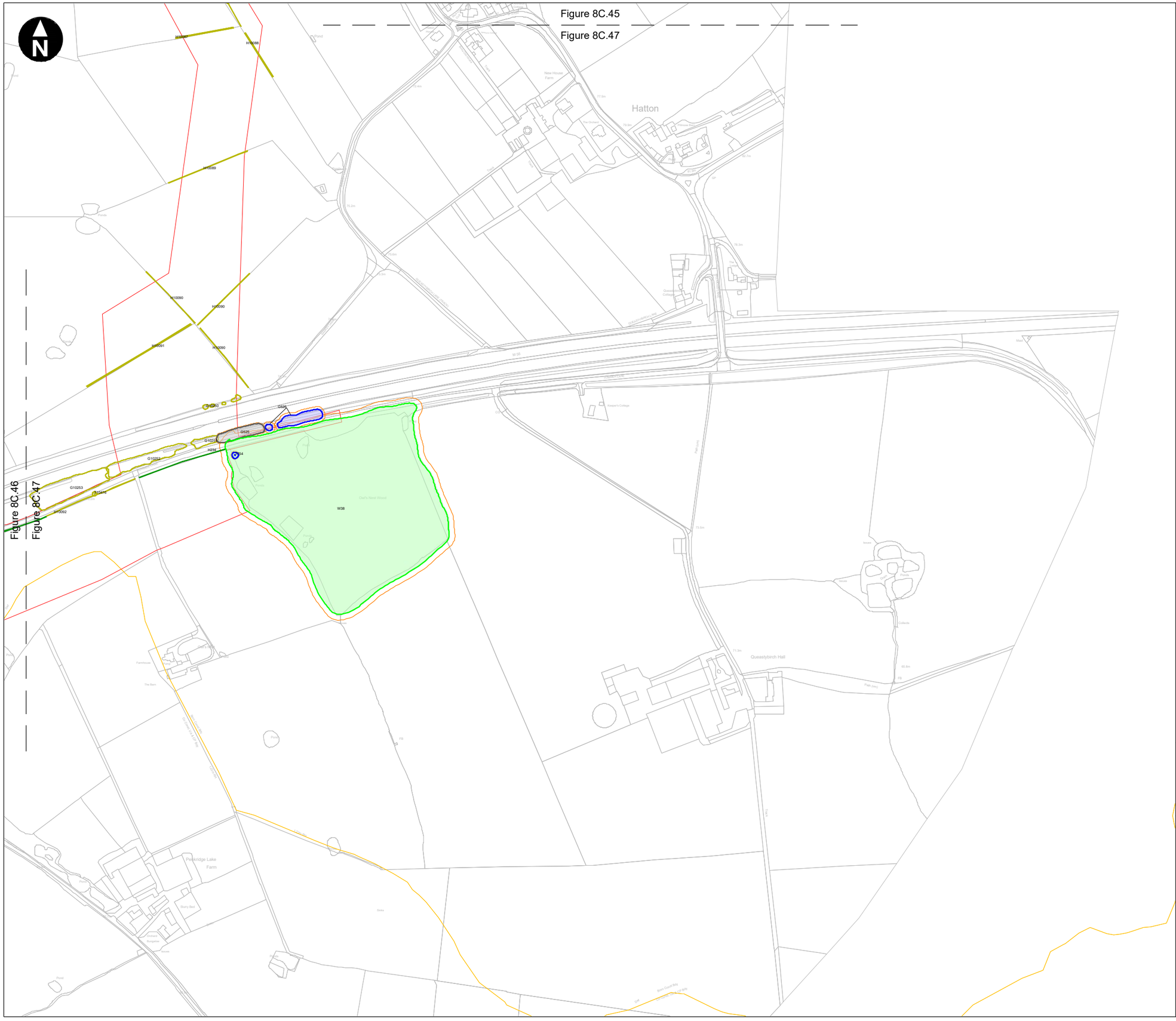
Figure 8C.46
Figure 8C.47
Figure 8C.46
Figure 8C.48



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Arboricultural Constraints Plan - Sheet 46 of 87

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Figure 8C.46

Figure 8C.48

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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- Traditional Orchard
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Figure 8C.48

Figure 8C.49

Figure 8C.48

Figure 8C.49

Figure 8C.18

Figure 8C.49

Figure 8C.49

Figure 8C.50

Figure 8C.49

Figure 8C.20

Key

- Draft Order Limits
- T/G/W/H Feature Label
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Arboricultural Impact Assessment

Figure 8C.49
Arboricultural Constraints Plan - Sheet 48 of 87

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Figure 8C.49

Figure 8C.50

Figure 8C.88

Figure 8C.50

Figure 8C.72

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m — 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.50
Arboricultural Constraints Plan - Sheet 49 of 87

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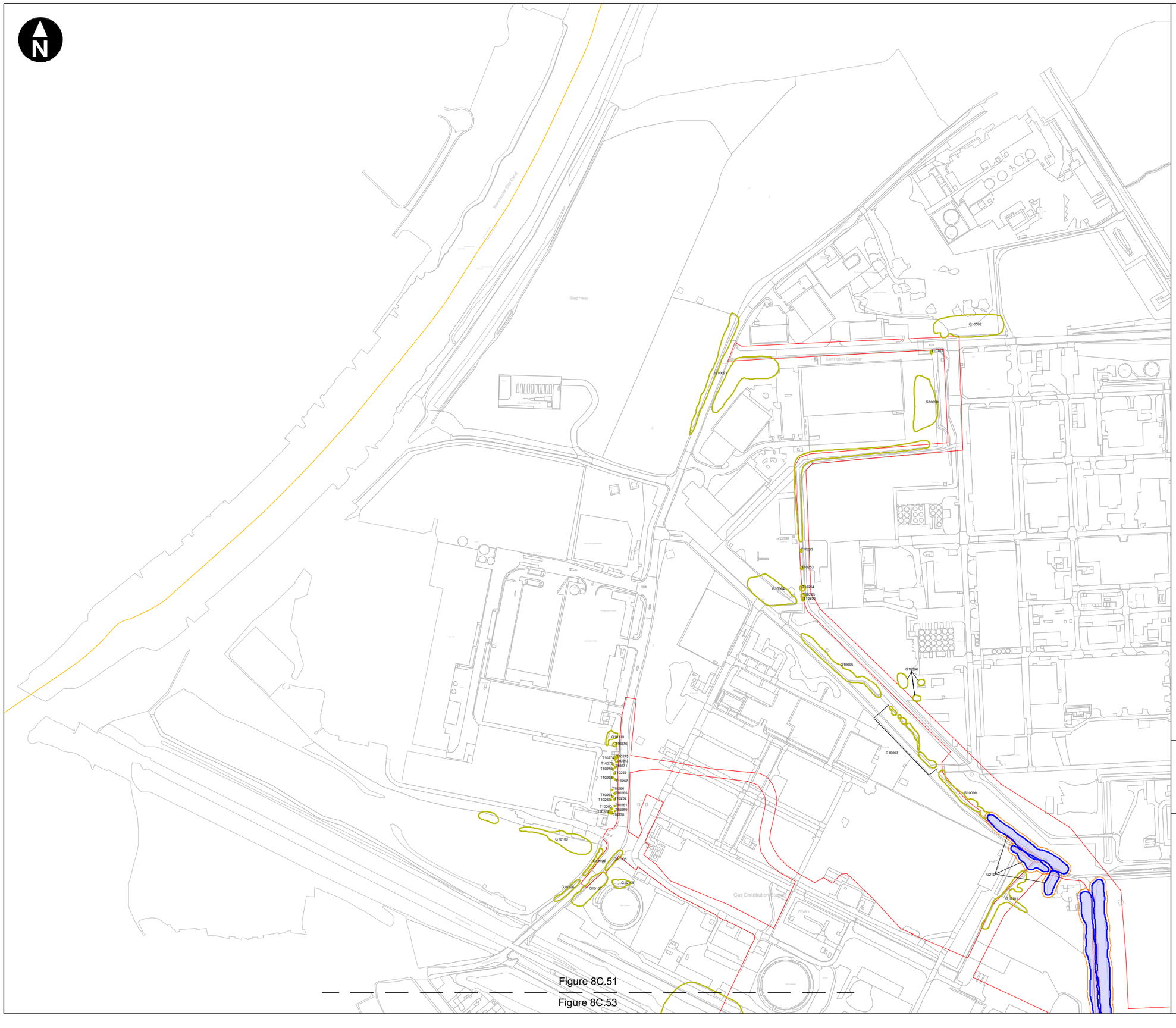

Figure 8C.51

Figure 8C.53

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m 250 m

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Figure 8C.51
Arboricultural Constraints Plan - Sheet 50 of 87

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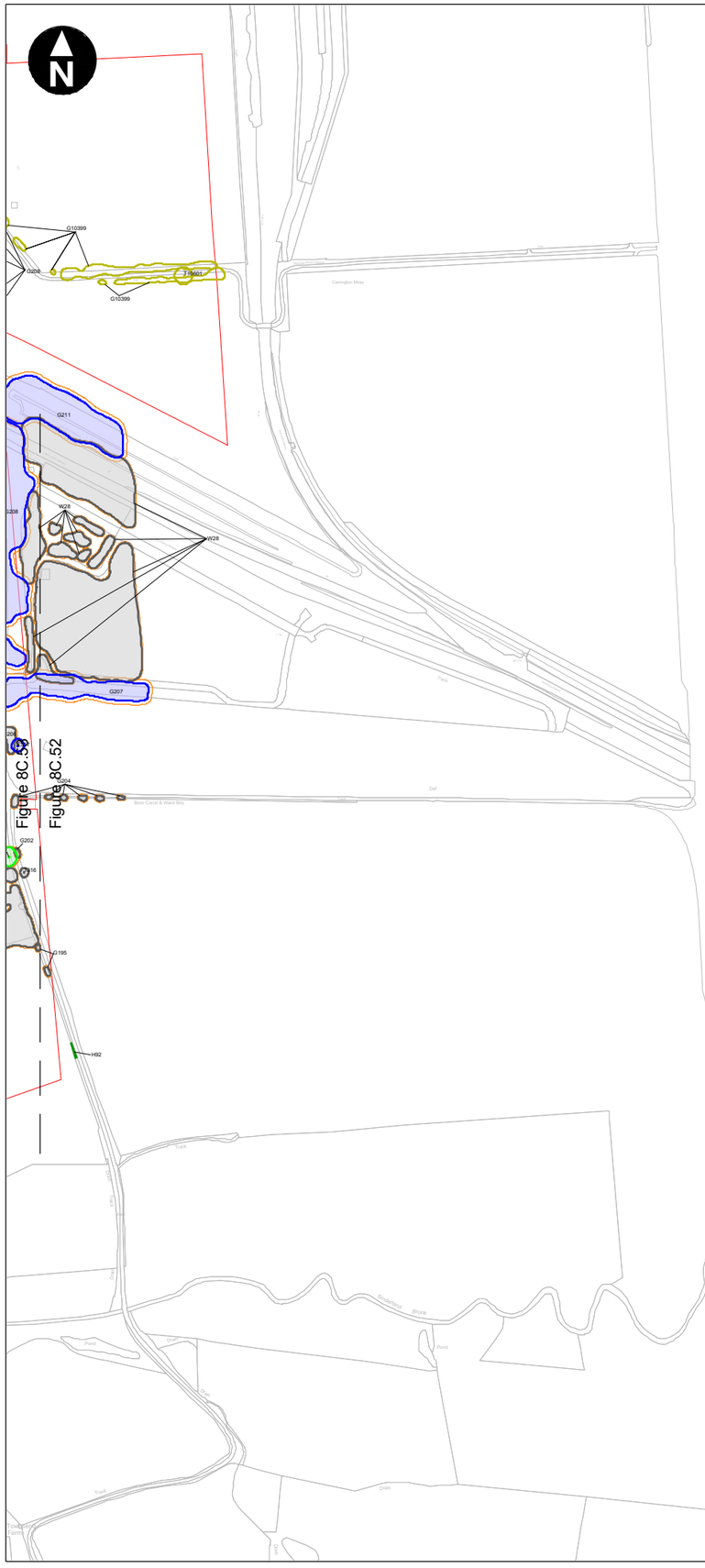

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.52
Arboricultural Constraints Plan - Sheet 51 of 87

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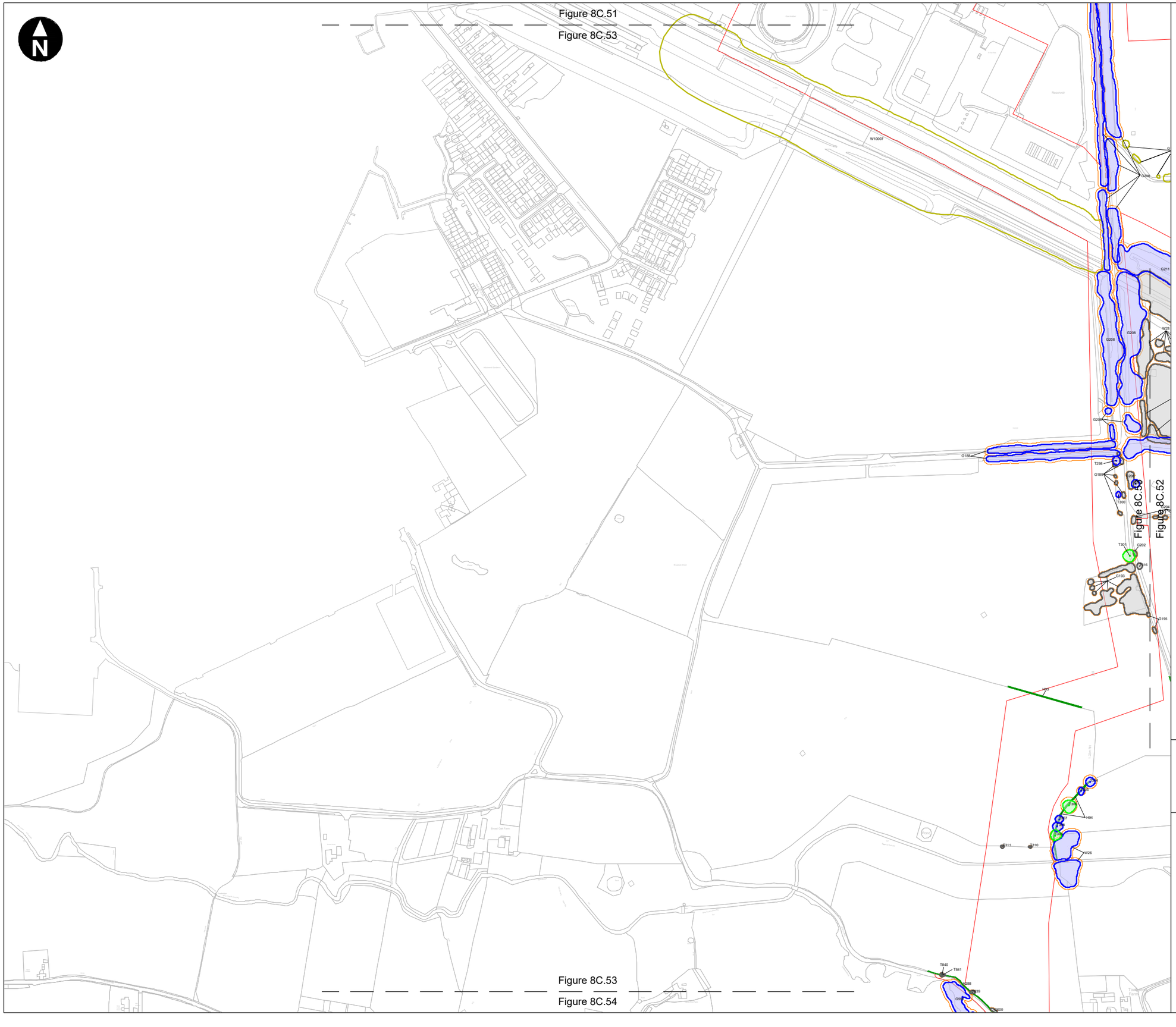
Figure 8C.51

Figure 8C.53



Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
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- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.53
Arboricultural Constraints Plan - Sheet 52 of 87

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Figure 8C.53

Figure 8C.54

Figure 8C.53

Figure 8C.54

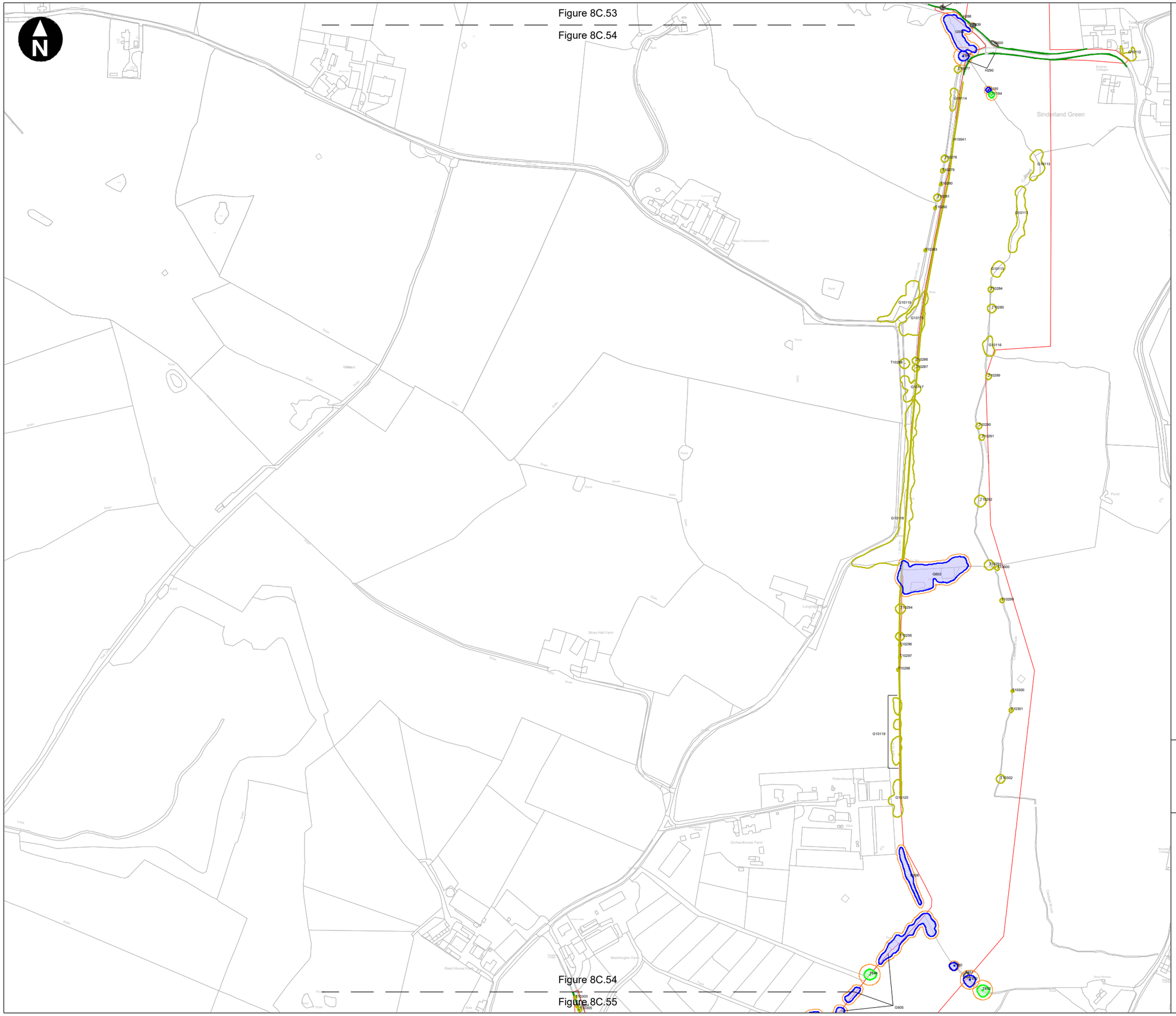

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Figure 8C.54
Arboricultural Constraints Plan - Sheet 53 of 87

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Figure 8C.54

Figure 8C.55

Figure 8C.54

Figure 8C.55

Figure 8C.56

Figure 8C.55

Dunham Woodhouses

Figure 8C.55

Figure 8C.57

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.55
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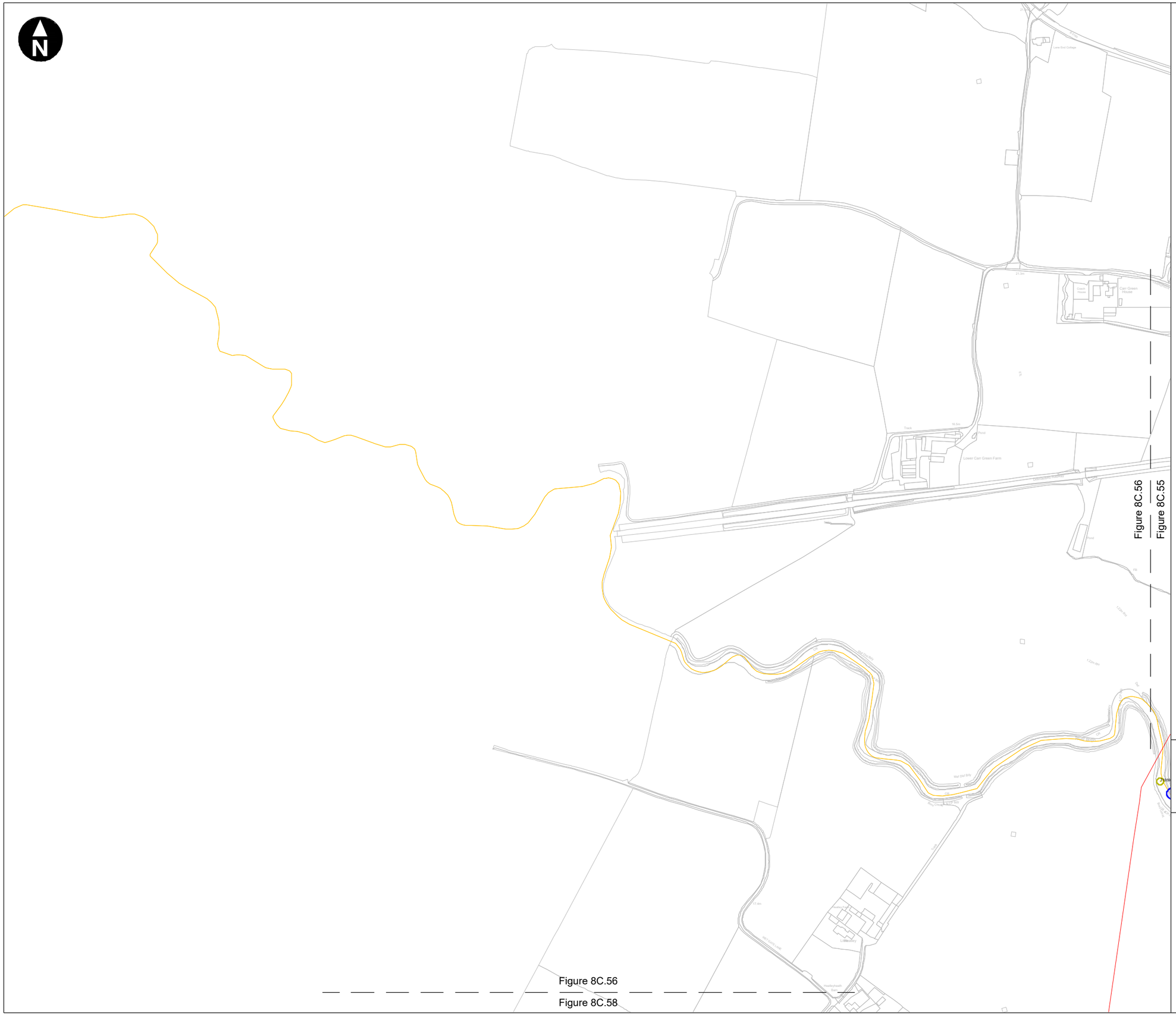

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 55 of 87

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Figure 8C.55

Figure 8C.57

Figure 8C.58

Figure 8C.57

Figure 8C.57

Figure 8C.59

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.57
Arboricultural Constraints Plan - Sheet 56 of 87

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Figure 8C.56

Figure 8C.58

Figure 8C.58

Figure 8C.57

Figure 8C.58

Figure 8C.60

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 57 of 87

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Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 58 of 87

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Figure 8C.58

Figure 8C.60

Figure 8C.61

Figure 8C.60

Figure 8C.60

Figure 8C.59

Figure 8C.60

Figure 8C.62

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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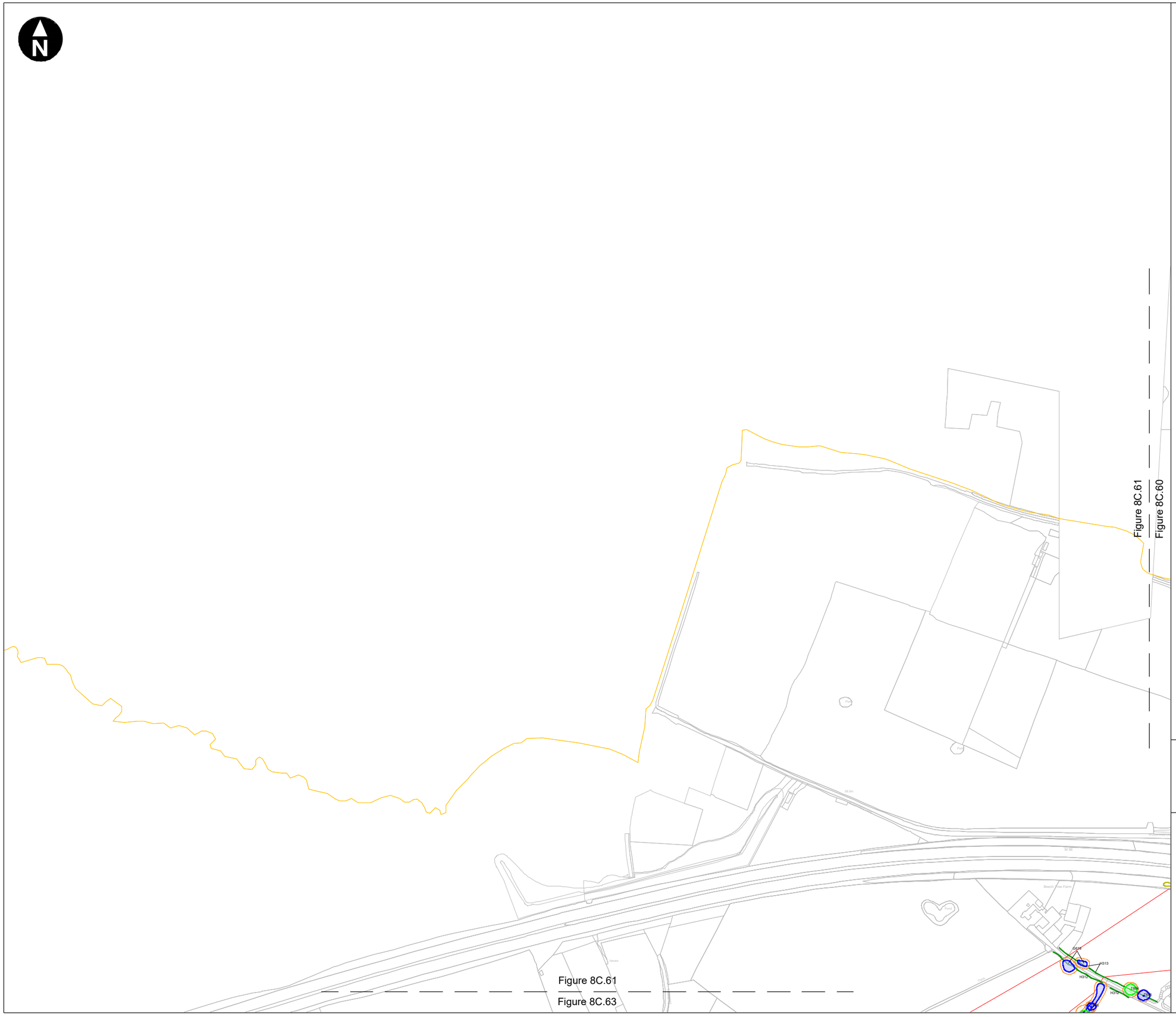

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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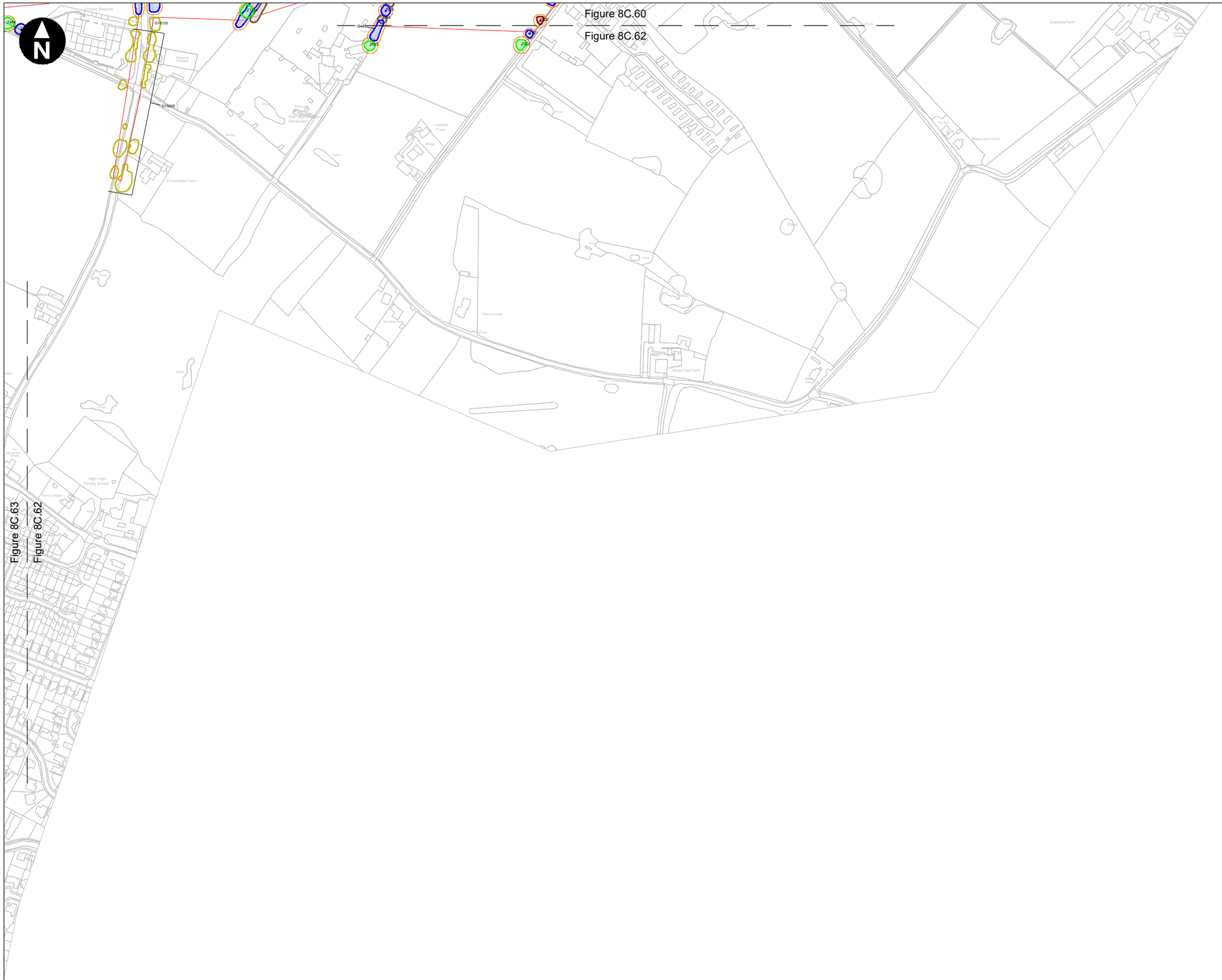

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
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- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 61 of 87

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Figure 8C.61

Figure 8C.63

Figure 8C.63

Figure 8C.64

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.63
Arboricultural Constraints Plan - Sheet 62 of 87

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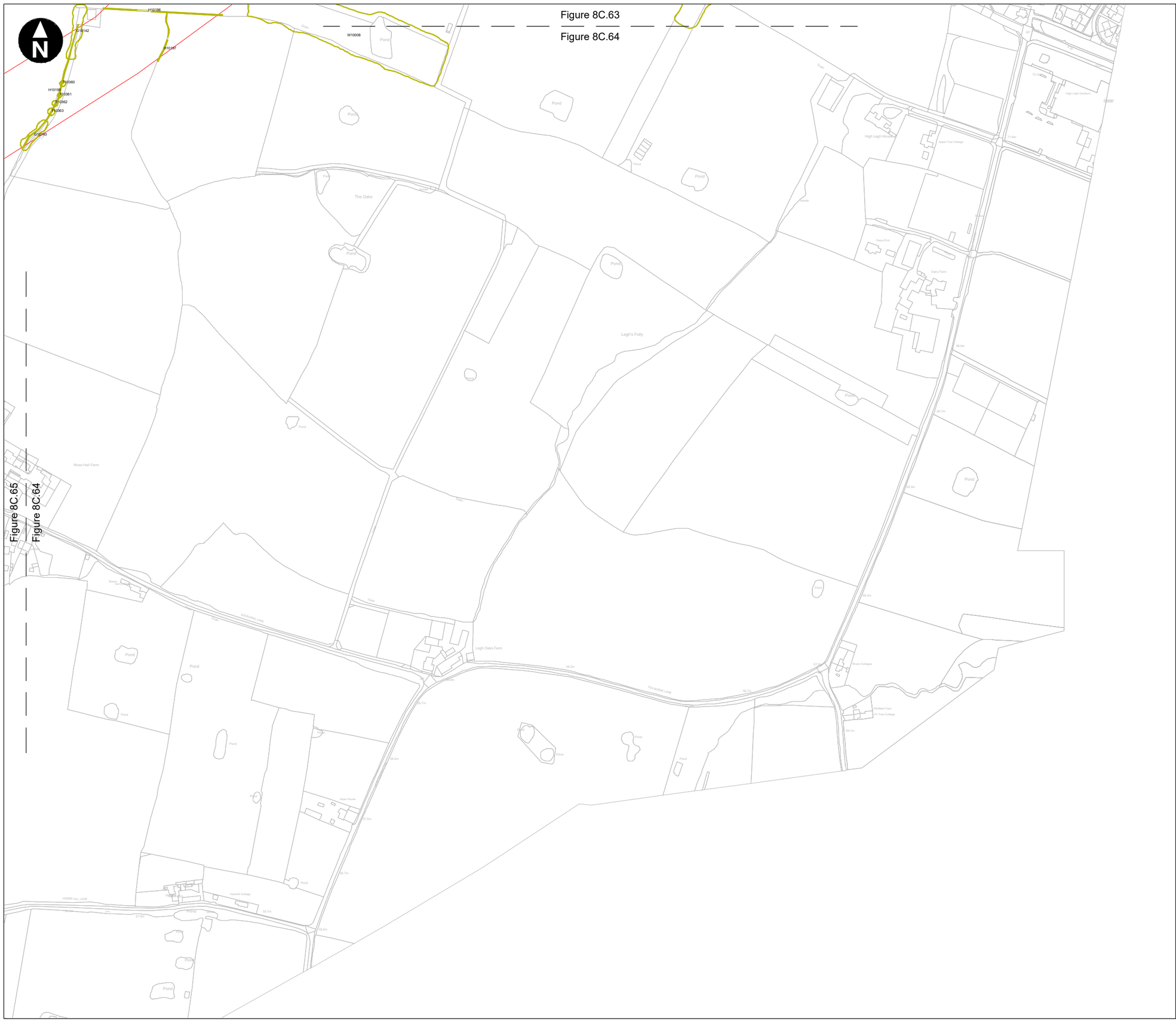

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
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- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.64
Arboricultural Constraints Plan - Sheet 63 of 87

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Figure 8C.66

Figure 8C.65

Figure 8C.65

Figure 8C.64

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m — 250 m

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Arboricultural Impact Assessment

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Arboricultural Constraints Plan - Sheet 64 of 87

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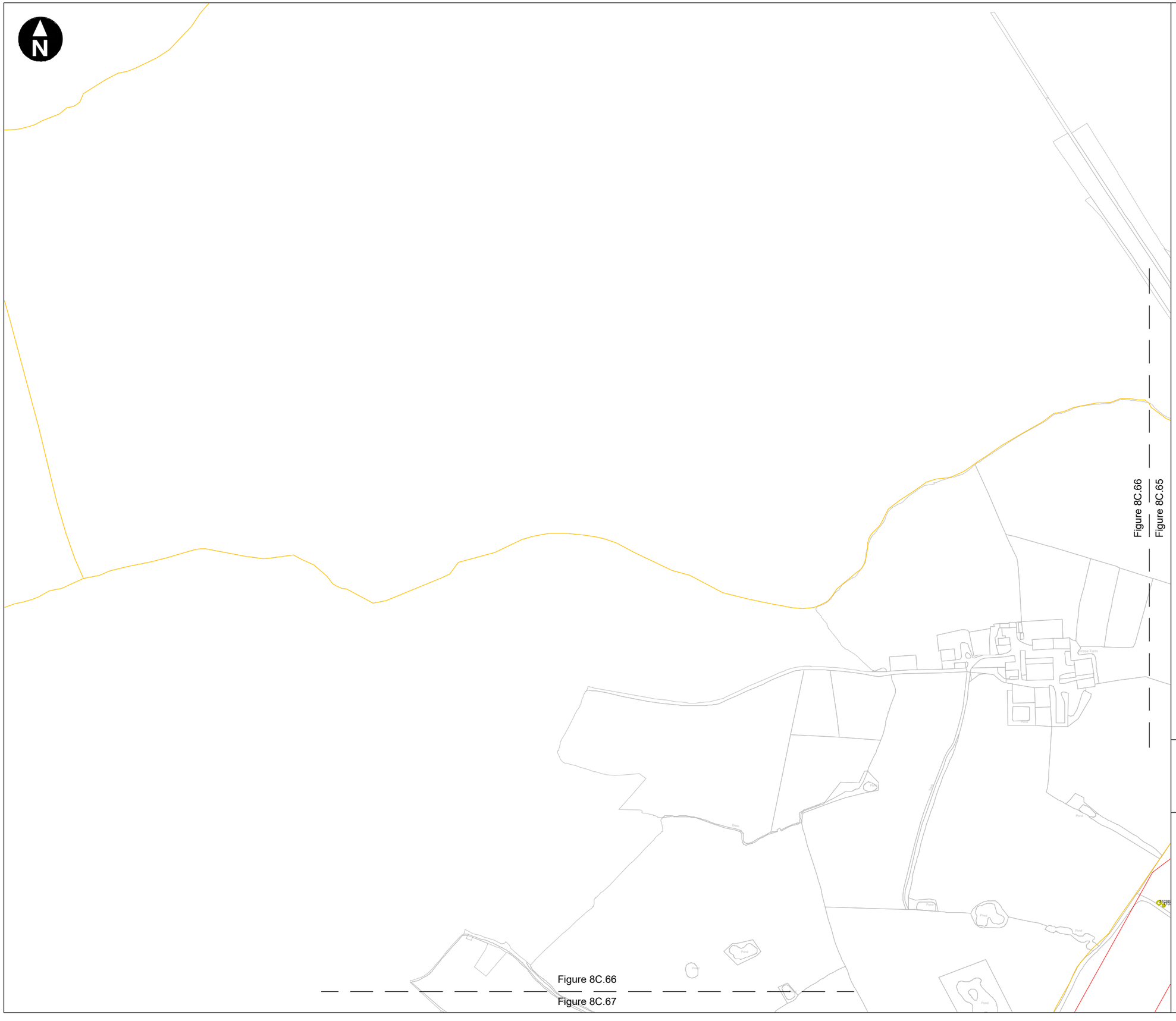

Key

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- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 65 of 87

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Figure 8C.66

Figure 8C.67

Figure 8C.68

Figure 8C.67

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
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- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 66 of 87

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Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

Figure 8C.68

Figure 8C.67

Figure 8C.68

Figure 8C.69

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Arboricultural Constraints Plan - Sheet 67 of 87

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Figure 8C.68

Figure 8C.69

Figure 8C.70

Figure 8C.69

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
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- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 68 of 87

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Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

Figure 8C.70
Figure 8C.69

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Arboricultural Constraints Plan - Sheet 69 of 87

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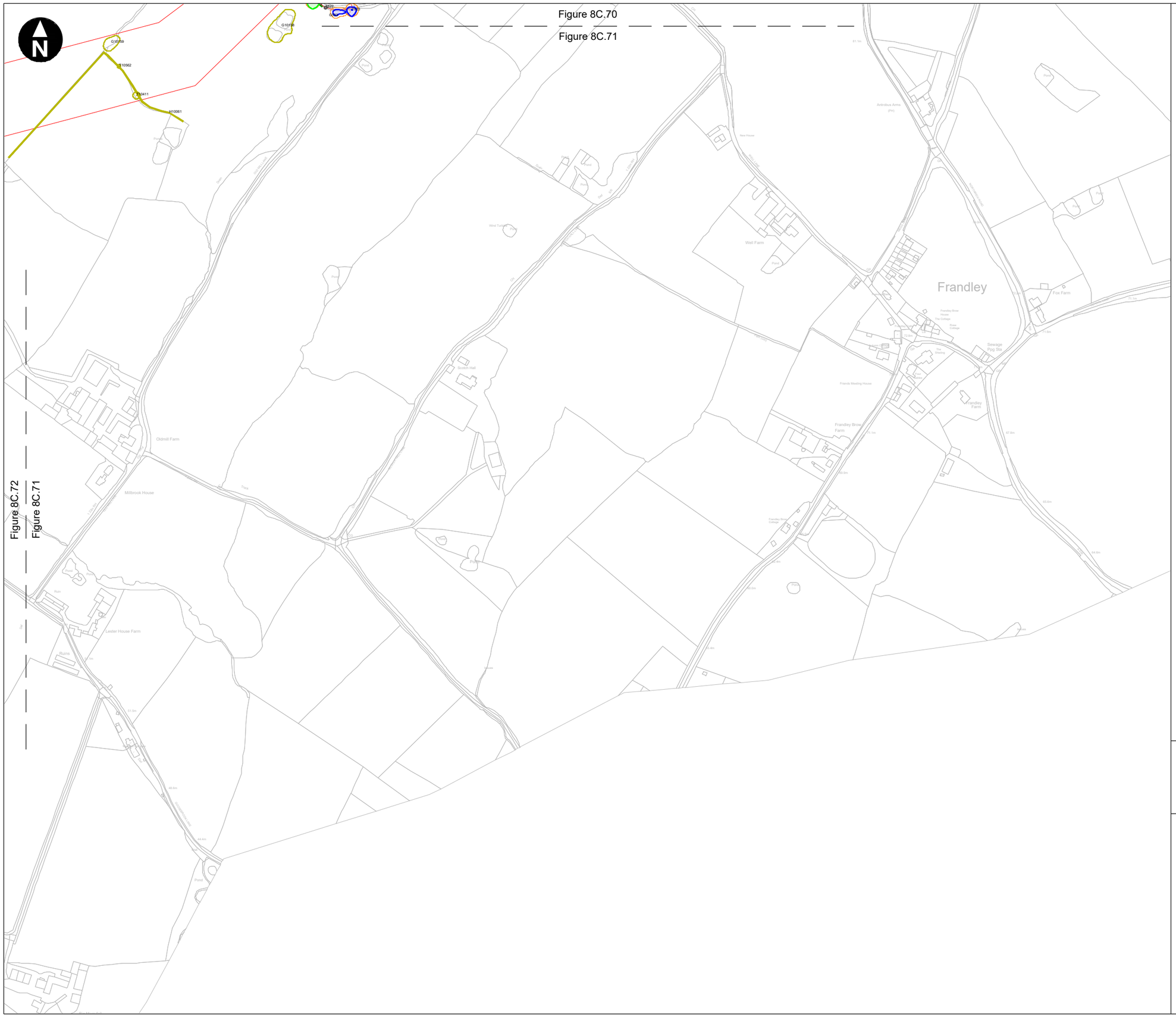
Figure 8C.70
Figure 8C.71



Key

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- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Arboricultural Constraints Plan - Sheet 70 of 87

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Figure 8C.50
Figure 8C.72

Figure 8C.72
Figure 8C.71

Figure 8C.72
Figure 8C.73

Lower Whitley

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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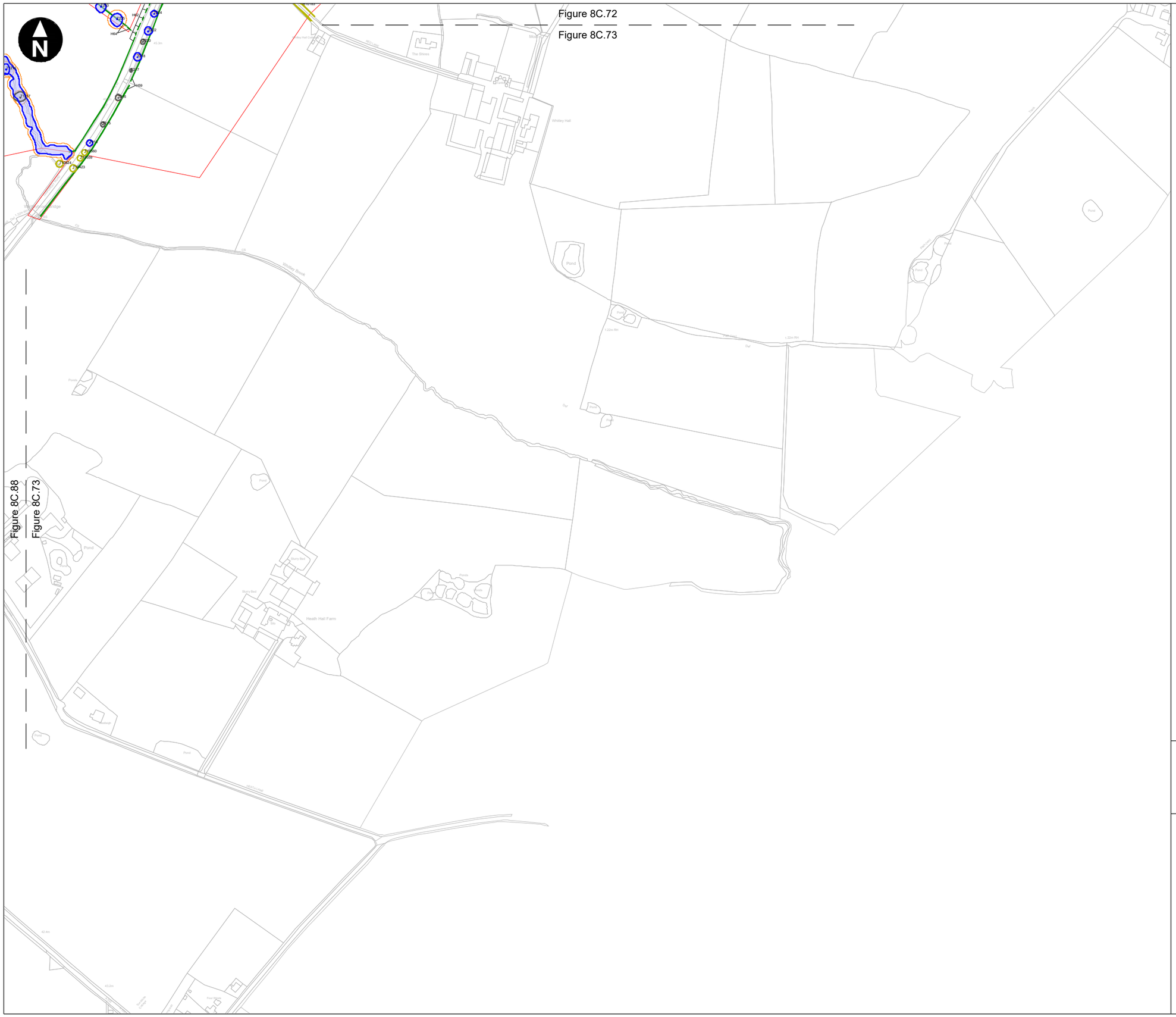

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Figure 8C.73
Arboricultural Constraints Plan - Sheet 72 of 87

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Figure 8C.75 Figure 8C.74

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
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- Hedgerow
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- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

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Figure 8C.75

Figure 8C.74

Figure 8C.75

Figure 8C.76

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Figure 8C.75
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Figure 8C.75

Figure 8C.76

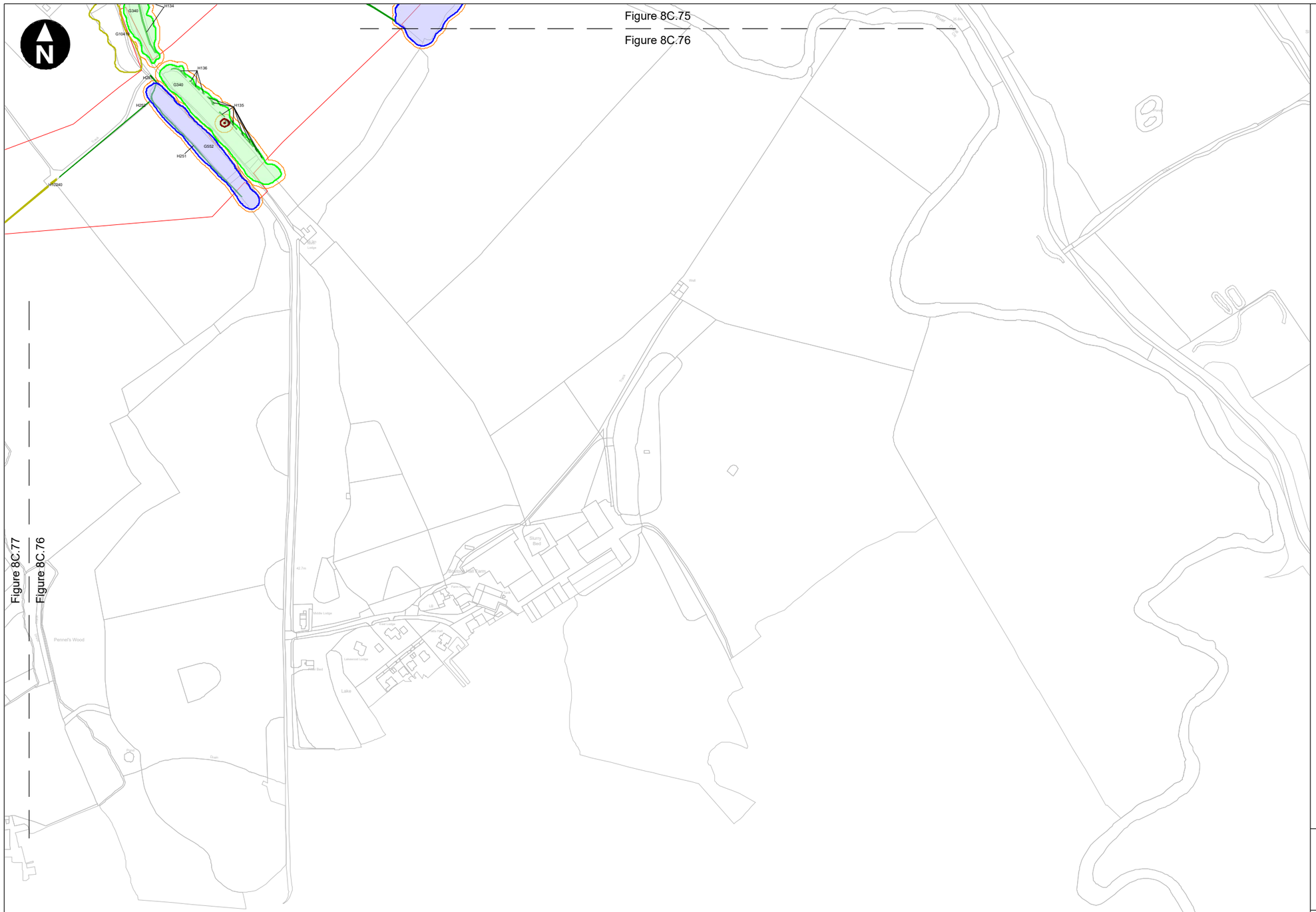

Figure 8C.77

Figure 8C.76

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m — 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.76
Arboricultural Constraints Plan - Sheet 75 of 87

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Figure 8C.78

Figure 8C.77

Figure 8C.77

Figure 8C.76

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
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- Category C - Trees, Groups and Woodland
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- Notable Tree Buffer
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- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.77
Arboricultural Constraints Plan - Sheet 76 of 87

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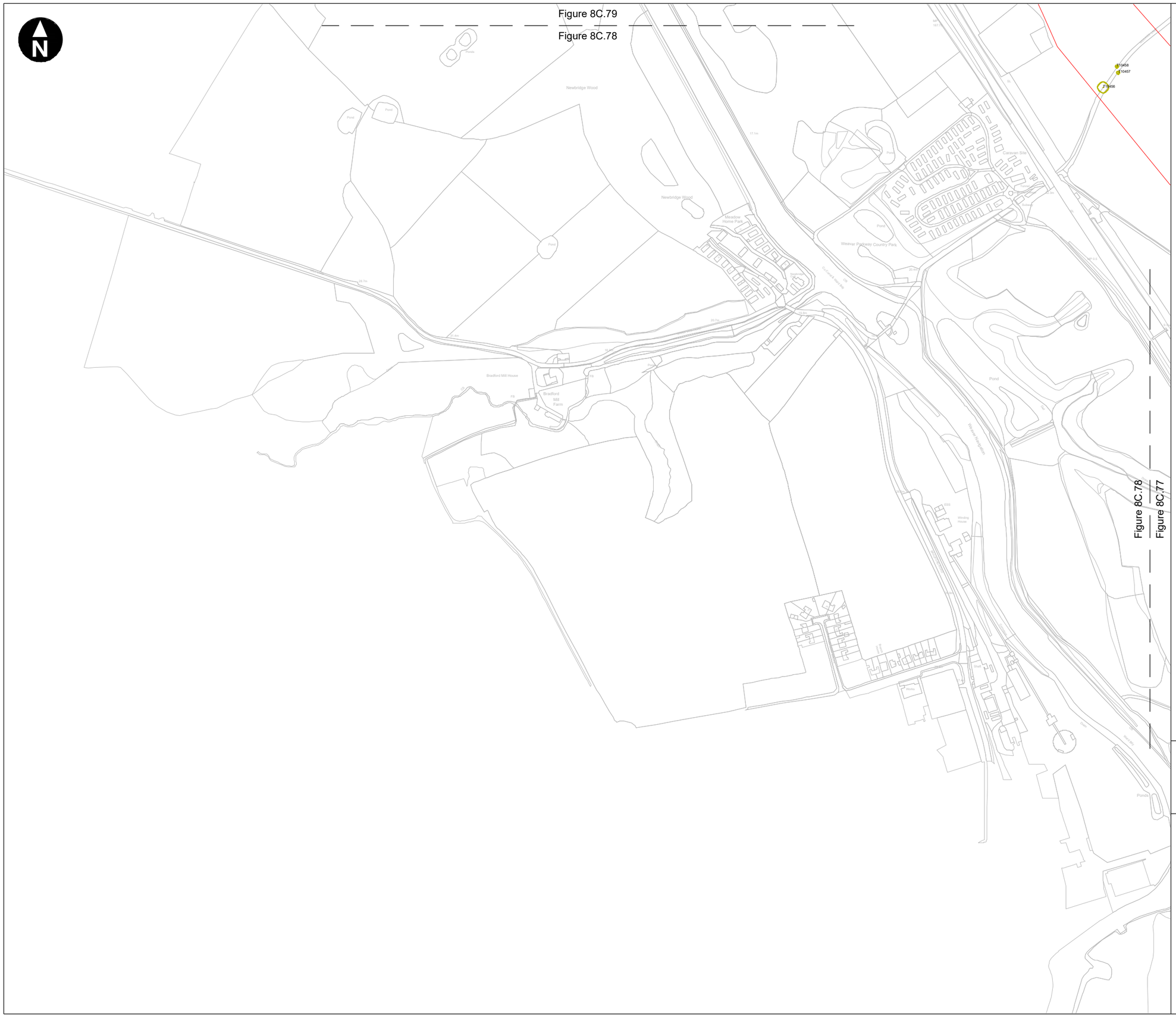

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0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.78
Arboricultural Constraints Plan - Sheet 77 of 87

August 2024

Figure 8C.80

Figure 8C.79

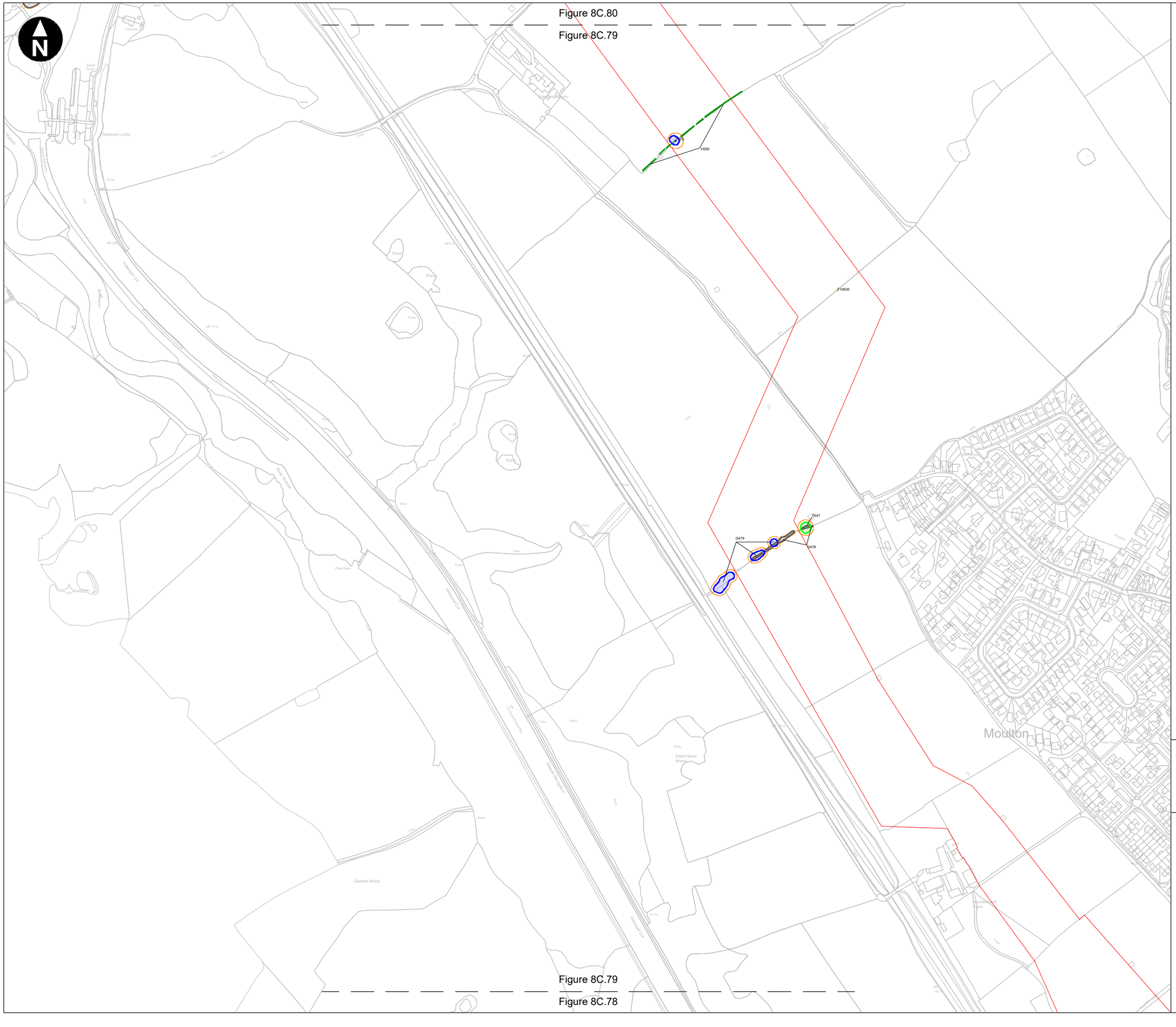

Figure 8C.79

Figure 8C.78

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
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- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.79
Arboricultural Constraints Plan - Sheet 78 of 87

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Figure 8C.81

Figure 8C.80

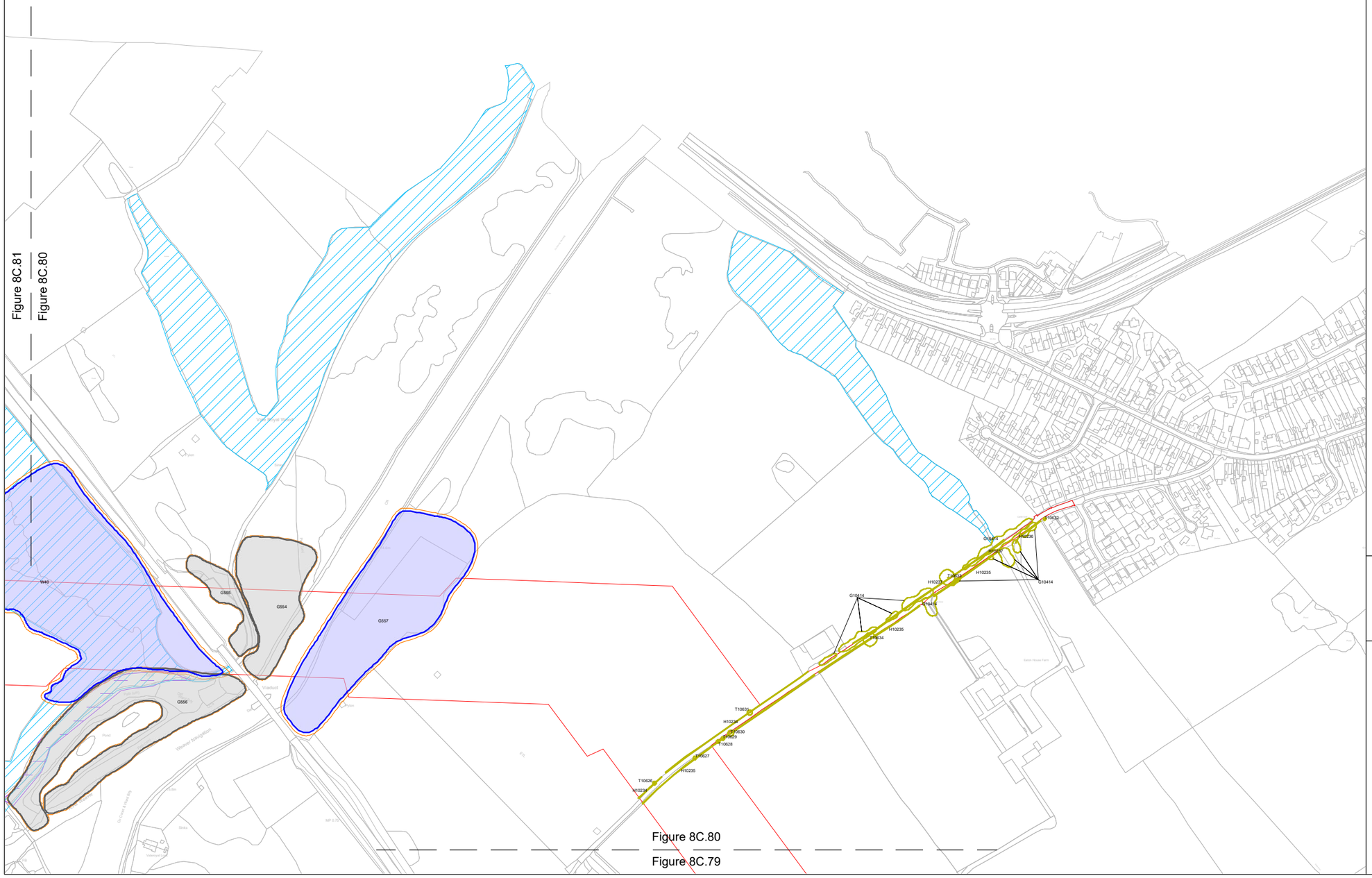

Figure 8C.80

Figure 8C.79

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
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- Local Planning Authority Boundary

0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.80
Arboricultural Constraints Plan - Sheet 79 of 87

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Figure 8C.82
Figure 8C.81
Figure 8C.81
Figure 8C.80

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Traditional Orchard
- Tree Preservation Order
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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.81
Arboricultural Constraints Plan - Sheet 80 of 87

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Figure 8C.83

Figure 8C.82

Figure 8C.81

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
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- Traditional Orchard
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0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.82
Arboricultural Constraints Plan - Sheet 81 of 87

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Figure 8C.84

Figure 8C.83

Figure 8C.83

Figure 8C.82

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m — 250 m

Scale 1:5,000 @ A3

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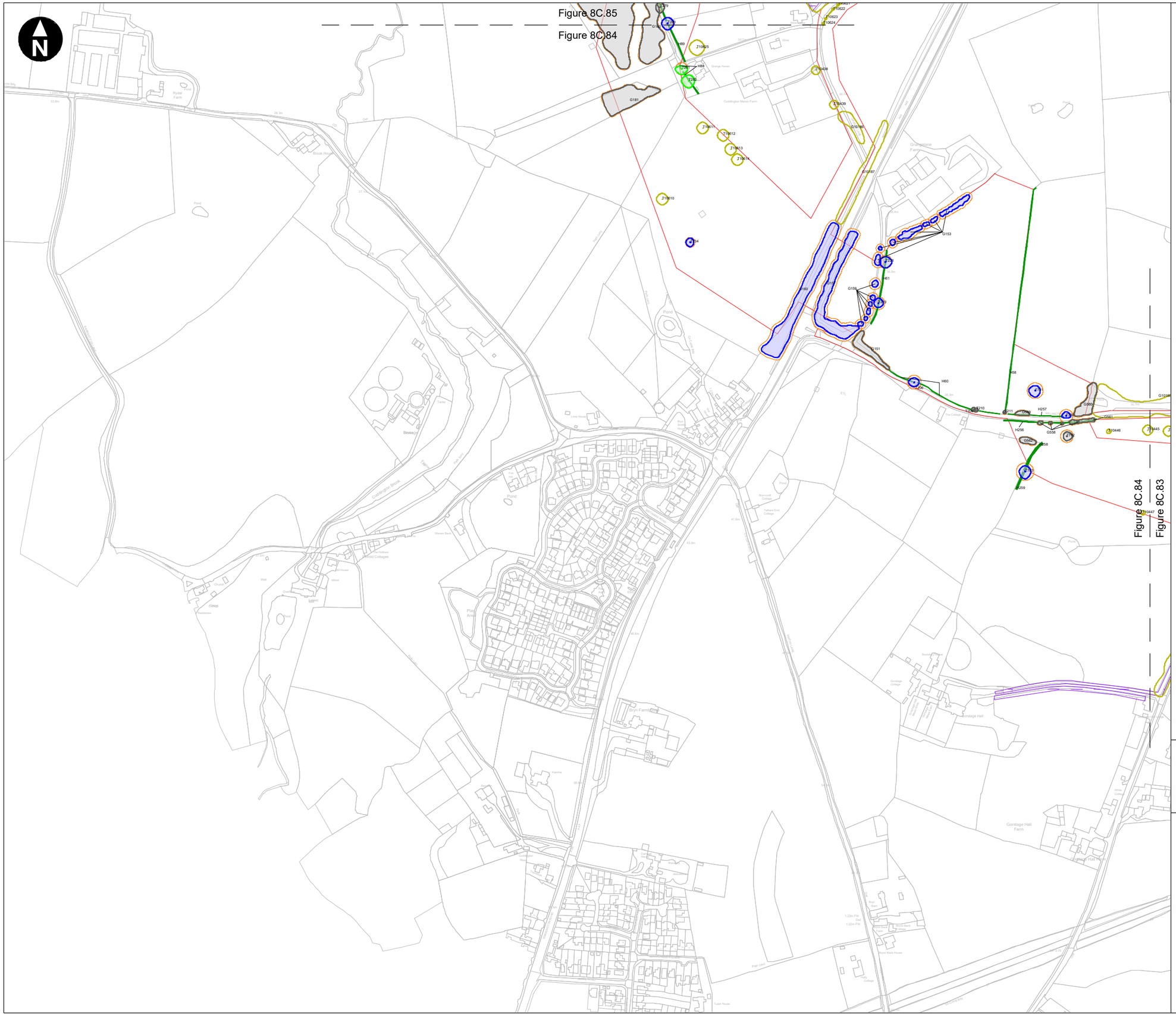
Figure 8C.83
Arboricultural Constraints Plan - Sheet 82 of 87

August 2024



Key

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- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.84
Arboricultural Constraints Plan - Sheet 83 of 87

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Figure 8C.86

Figure 8C.85

Figure 8C.85

Figure 8C.84

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.85
Arboricultural Constraints Plan - Sheet 84 of 87

August 2024

Figure 8C.87

Figure 8C.86

Figure 8C.86

Figure 8C.85

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
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- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
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- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.86
Arboricultural Constraints Plan - Sheet 85 of 87

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Figure 8C.88

Figure 8C.87

Figure 8C.21

Figure 8C.87

Figure 8C.87

Figure 8C.86

Key

- Draft Order Limits
- T/G/W/H — Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
- Hedgerow
- Unsurveyed - Trees, Groups and Woodland
- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.87
Arboricultural Constraints Plan - Sheet 86 of 87

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Figure 8C.50

Figure 8C.88

Figure 8C.30

Figure 8C.88

Figure 8C.88

Figure 8C.73

Figure 8C.88

Figure 8C.87

Key

- Draft Order Limits
- T/G/W/H Feature Label
- Category A - Trees, Groups and Woodland
- Category B - Trees, Groups and Woodland
- Category C - Trees, Groups and Woodland
- Category U - Trees, Groups and Woodland
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- Unsurveyed - Hedgerow
- Root Protection Area
- Veteran Tree Buffer
- Notable Tree Buffer
- Ancient Woodland
- Traditional Orchard
- Tree Preservation Order
- Local Planning Authority Boundary

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.88
Arboricultural Constraints Plan - Sheet 87 of 87

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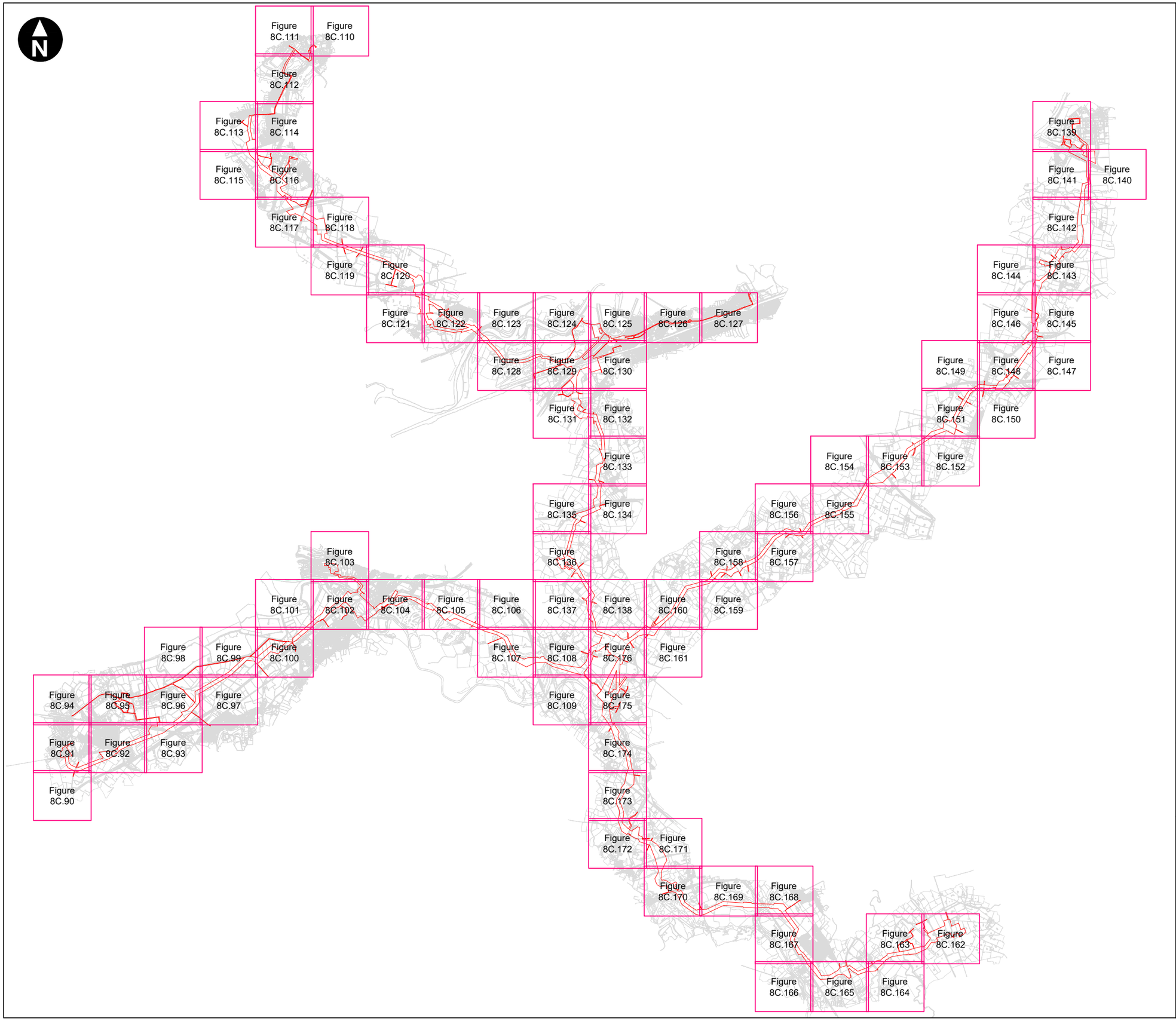
HyNet North West Hydrogen Pipeline

Delivering clean growth

Annex 8C2
Arboricultural Impact Plan



Key

Figure Reference

Draft Order Limits

Not to scale

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Arboricultural Impact Assessment

Figure 8C.89
Arboricultural Impacts Plan Figure Overview

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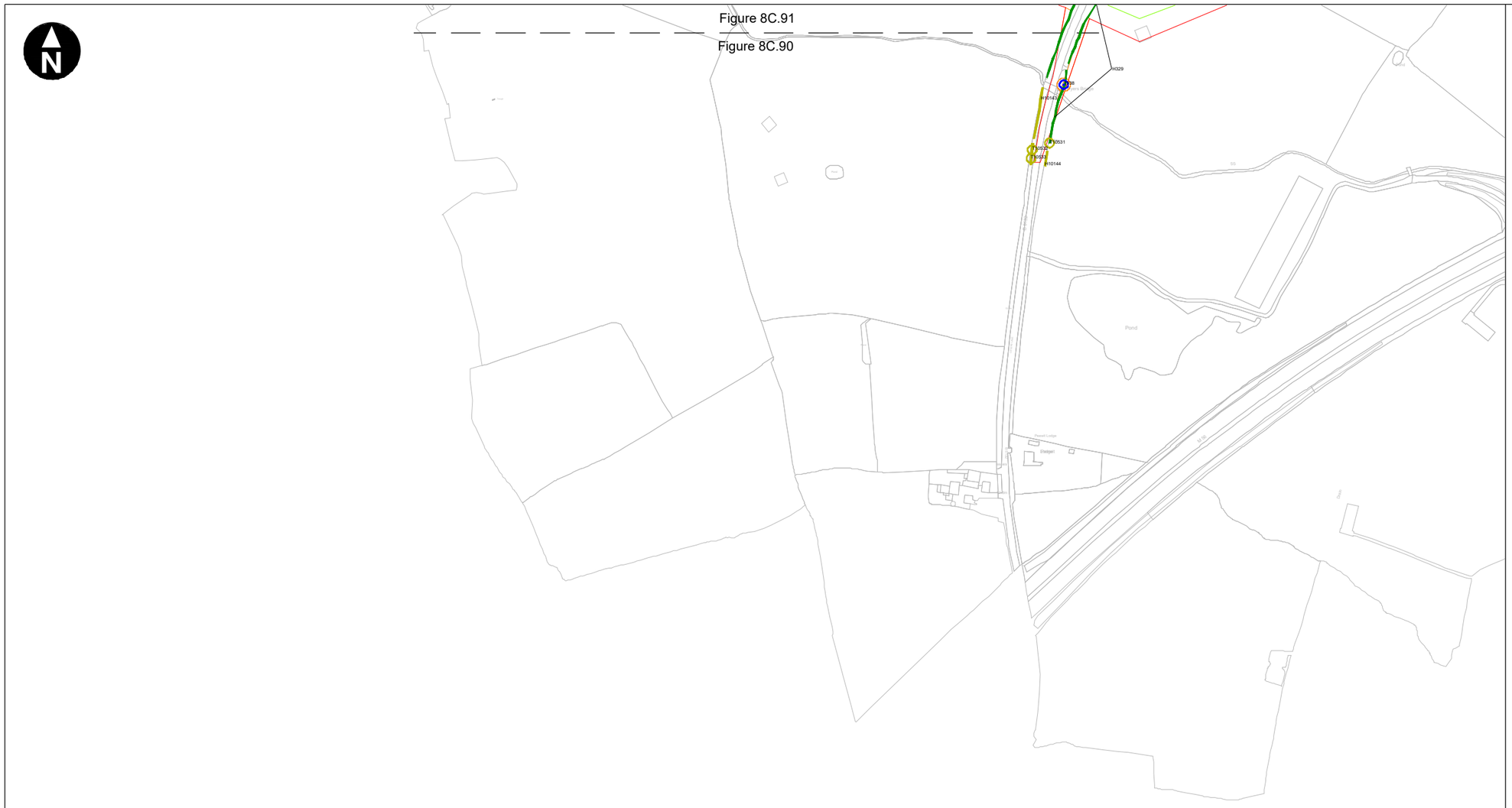

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
- Category B - Retained
- Category C - Retained
- Category U - Retained
- Hedgerow for removal
- Hedgerow for Pruning
- Pipeline Limits of Deviation (LoD)
- Hydrogen Above Ground Infrastructure (HAGI) and LoD
- HAGI Temporary Construction Compound
- Block Valve Installation (BVI) and LoD
- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.90
Arboricultural Impacts Plan - Sheet 1 of 87

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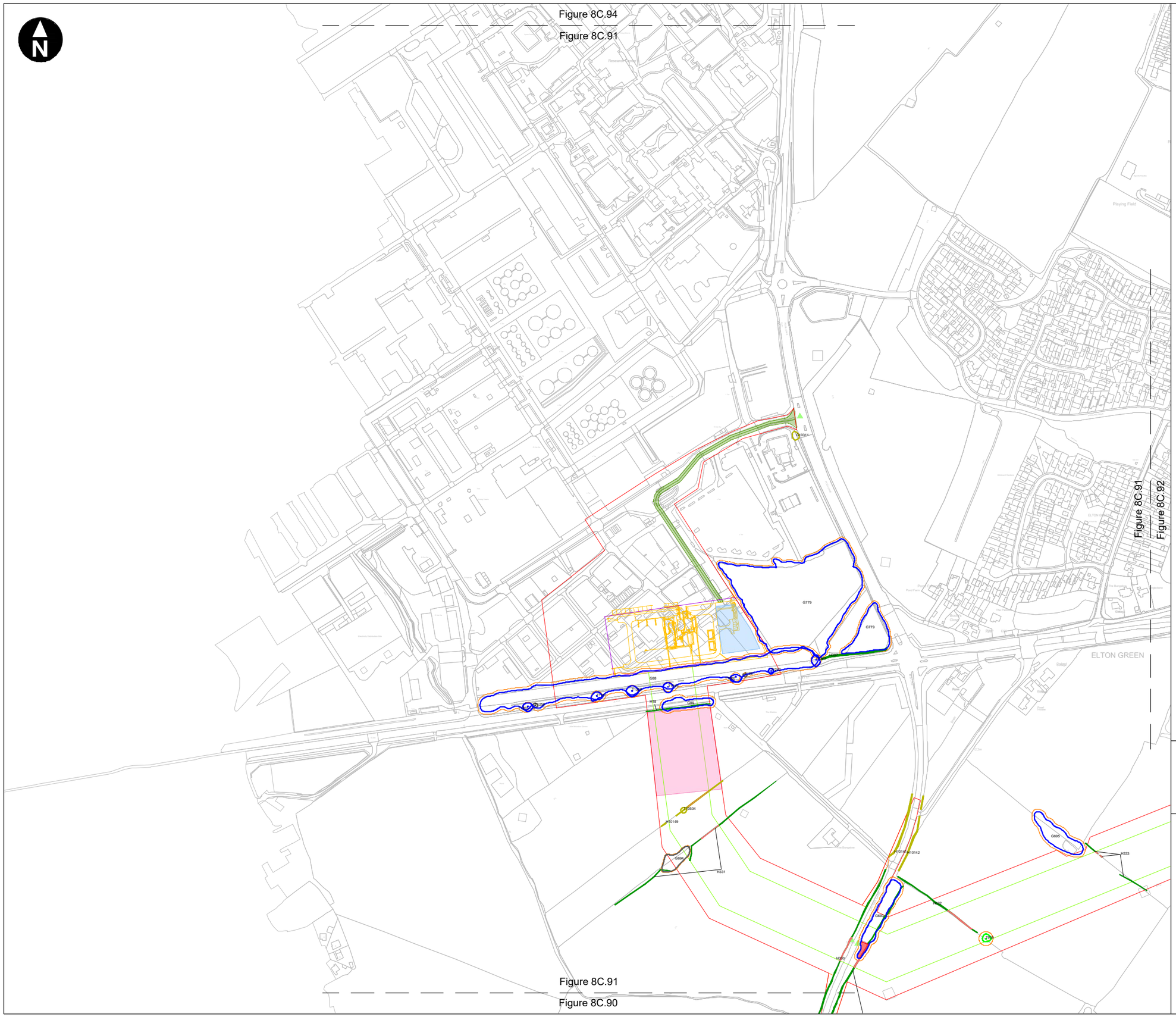
Figure 8C.94

Figure 8C.91



Key

- Draft Order Limits
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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

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Arboricultural Impact Assessment

Figure 8C.91
Arboricultural Impacts Plan - Sheet 2 of 87

August 2024

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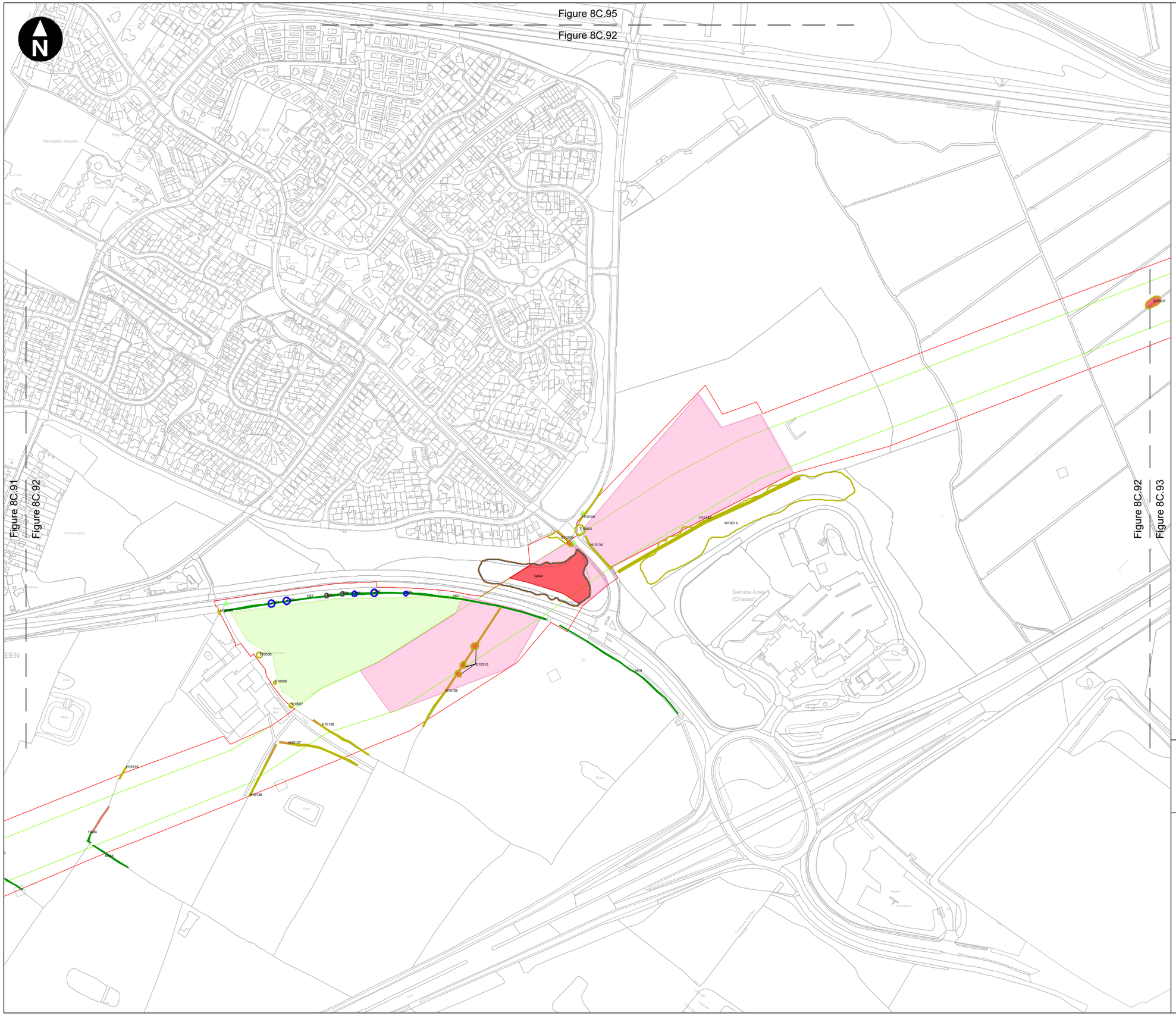
Figure 8C.91

Figure 8C.90



Key

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- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

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Arboricultural Impact Assessment

Figure 8C.92
Arboricultural Impacts Plan - Sheet 3 of 87

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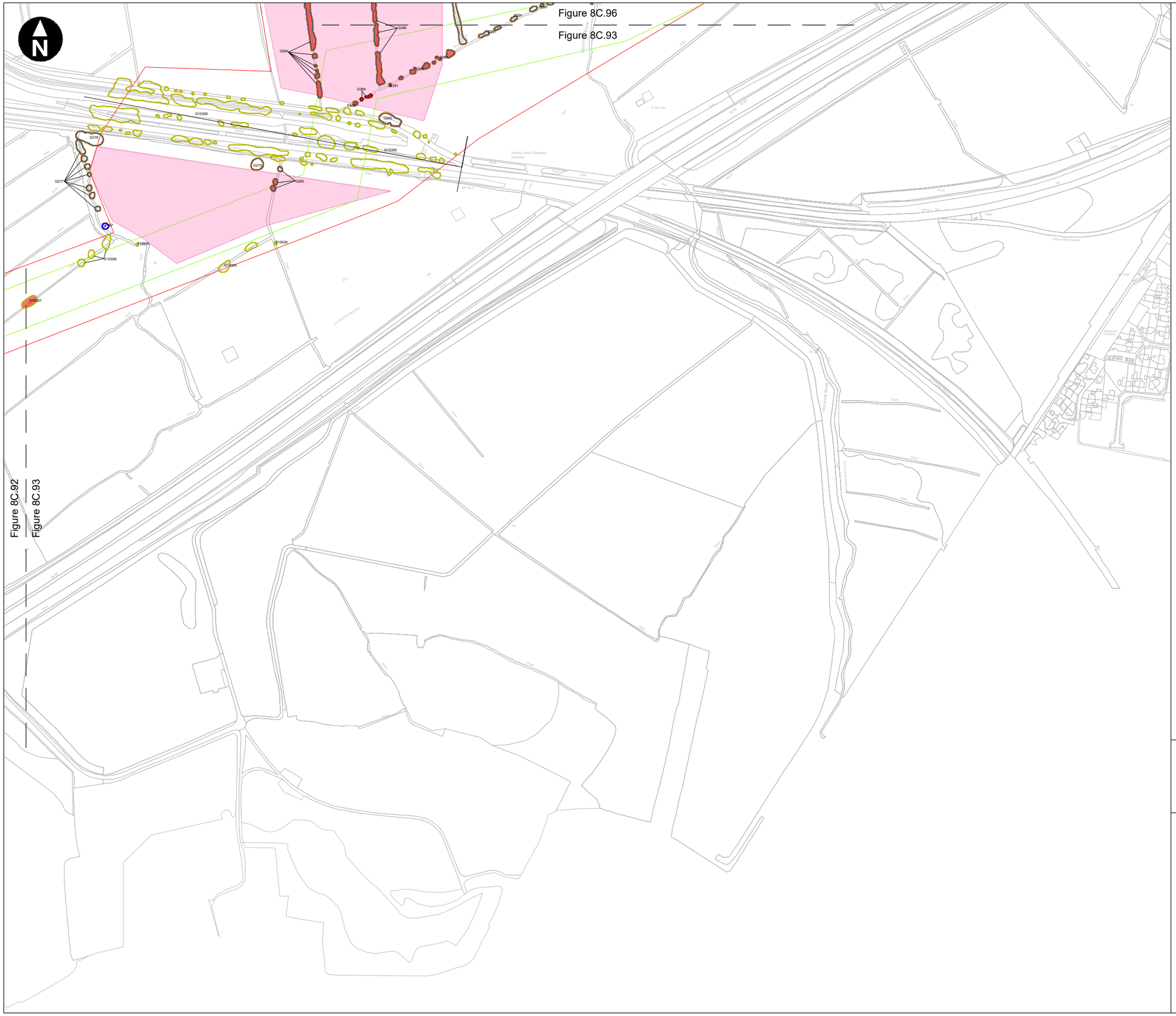

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Draft Environmental Statement
Arboricultural Impact Assessment

Figure 8C.93
Arboricultural Impacts Plan - Sheet 4 of 87

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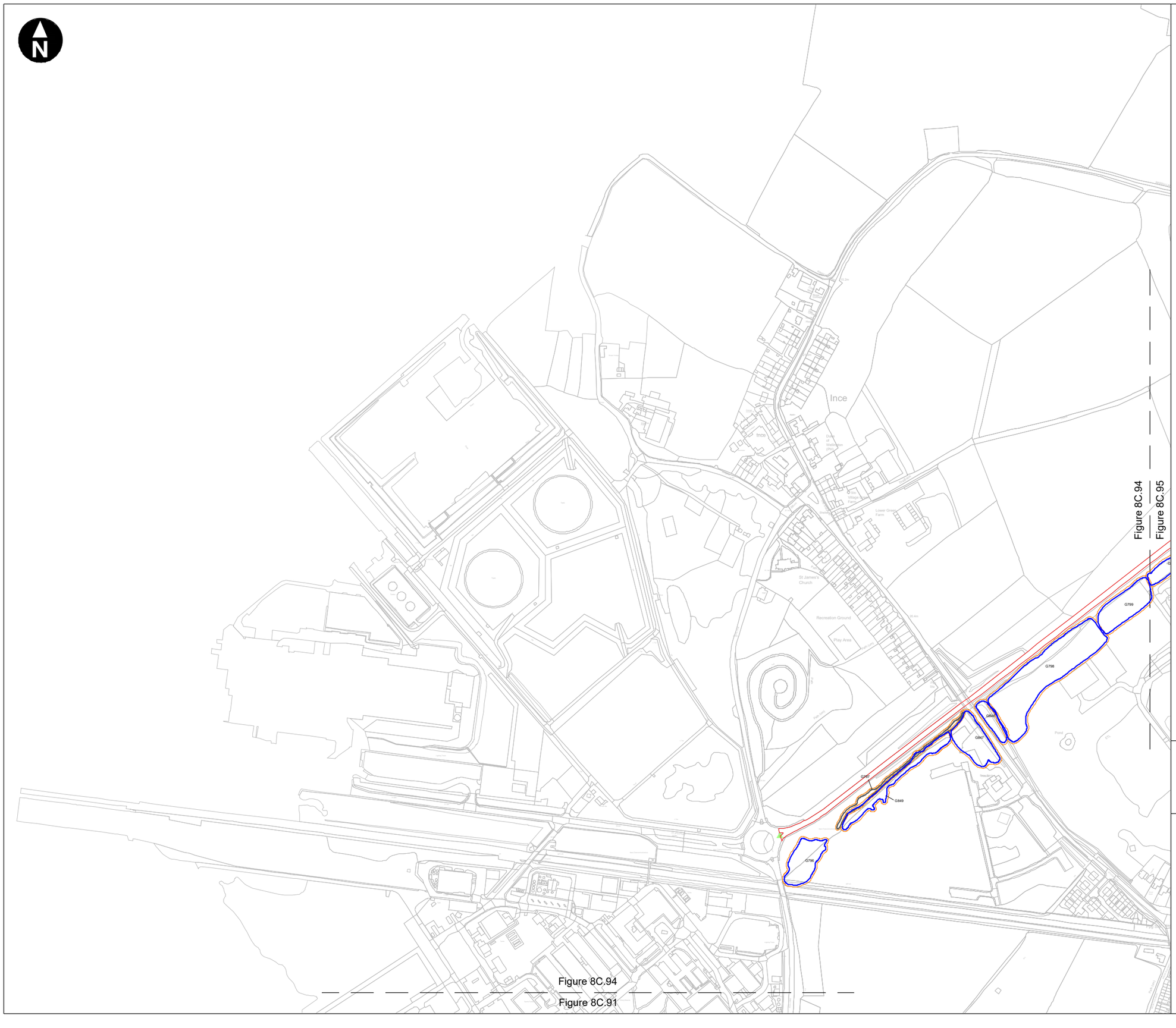

Key

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- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.94
Arboricultural Impacts Plan - Sheet 5 of 87

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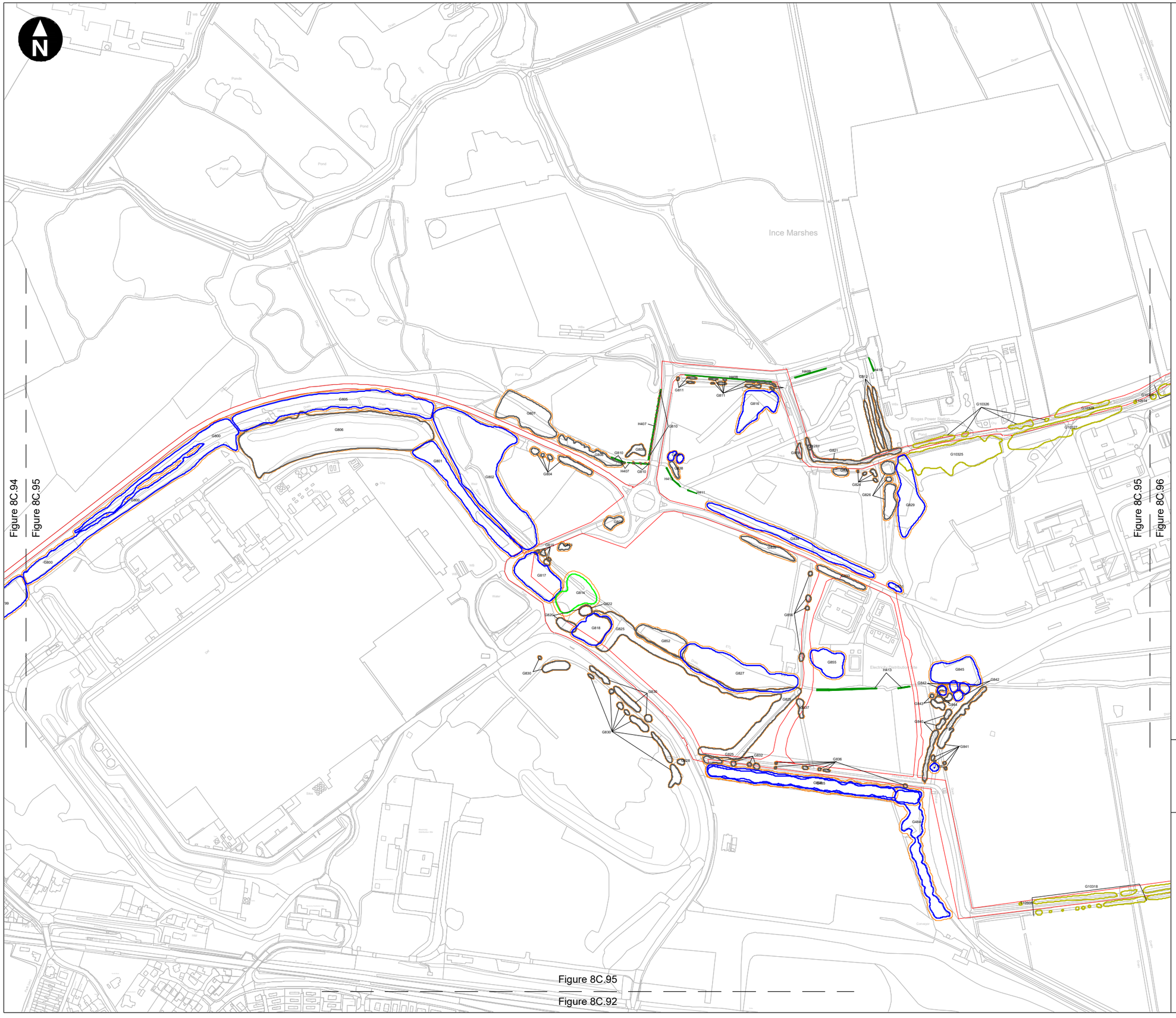

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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

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Arboricultural Impact Assessment

Figure 8C.95
Arboricultural Impacts Plan - Sheet 6 of 87

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Figure 8C.98

Figure 8C.96

Figure 8C.95

Figure 8C.96

Figure 8C.96

Figure 8C.97

Figure 8C.96

Figure 8C.93

Key

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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

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Figure 8C.96
Arboricultural Impacts Plan - Sheet 7 of 87

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Figure 8C.99

Figure 8C.97

Figure 8C.96

Figure 8C.97

Helsby Marsh

Helsby High School

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
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- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

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Arboricultural Impacts Plan - Sheet 8 of 87

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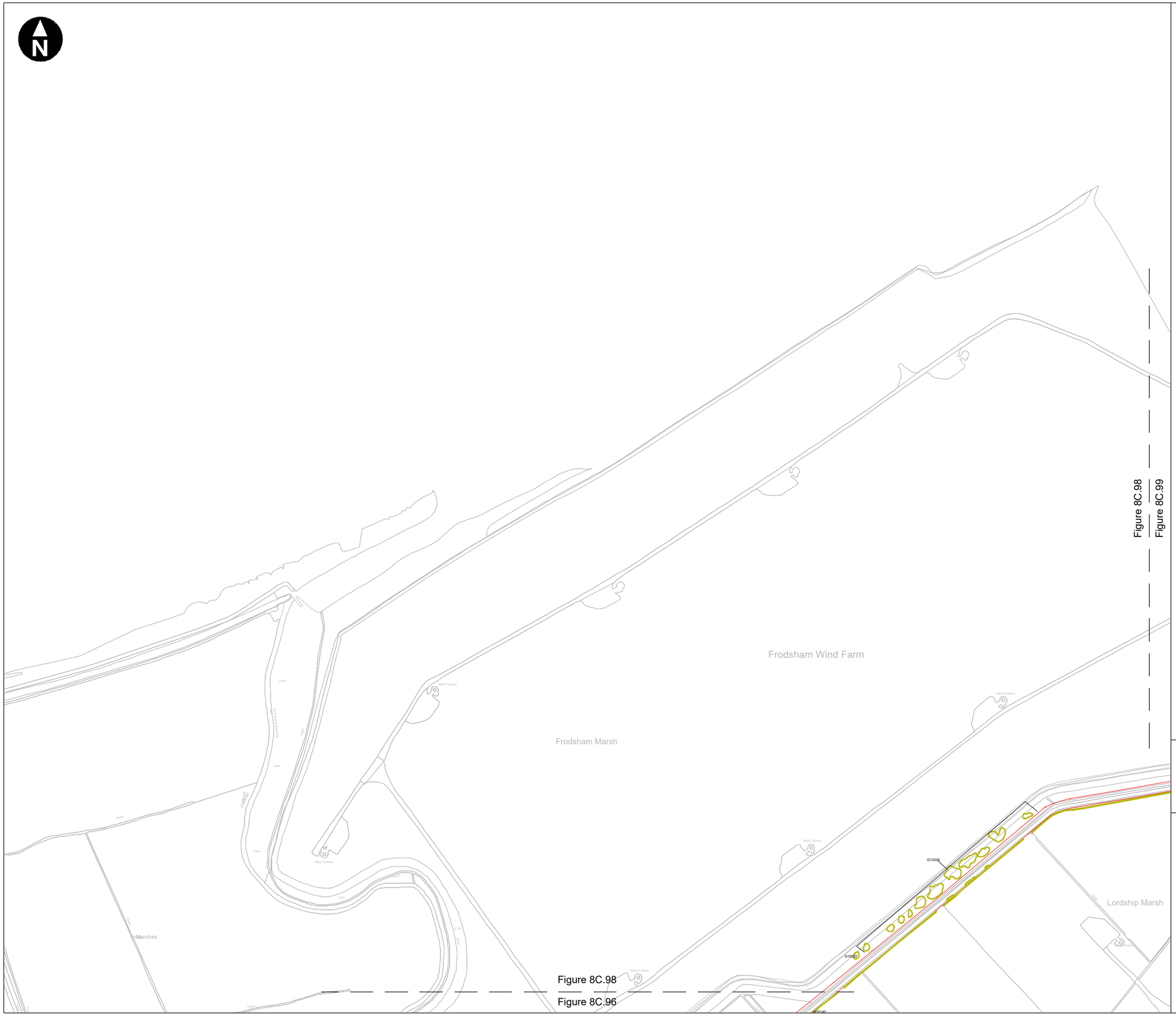

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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

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Arboricultural Impacts Plan - Sheet 9 of 87

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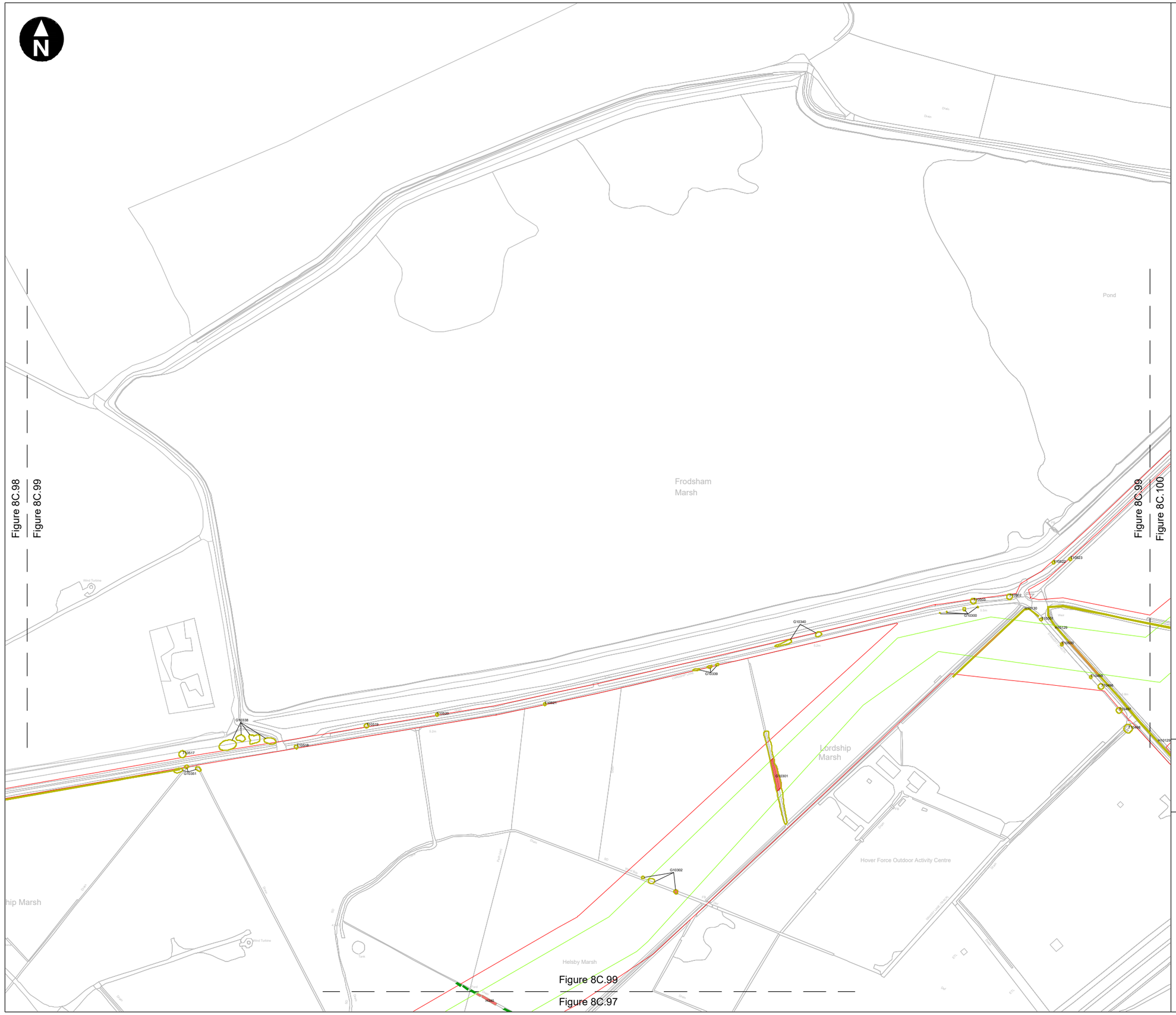

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
- Category B - Retained
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- Block Valve Installation (BVI) and LoD
- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Draft Environmental Statement
Arboricultural Impact Assessment

Figure 8C.99
Arboricultural Impacts Plan - Sheet 10 of 87

August 2024

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Figure 8C.101

Figure 8C.100

Figure 8C.99

Figure 8C.100

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.100
Arboricultural Impacts Plan - Sheet 11 of 87

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- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.101
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Figure 8C.103

Figure 8C.102

Figure 8C.101

Figure 8C.102

Figure 8C.104

Figure 8C.102

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.102
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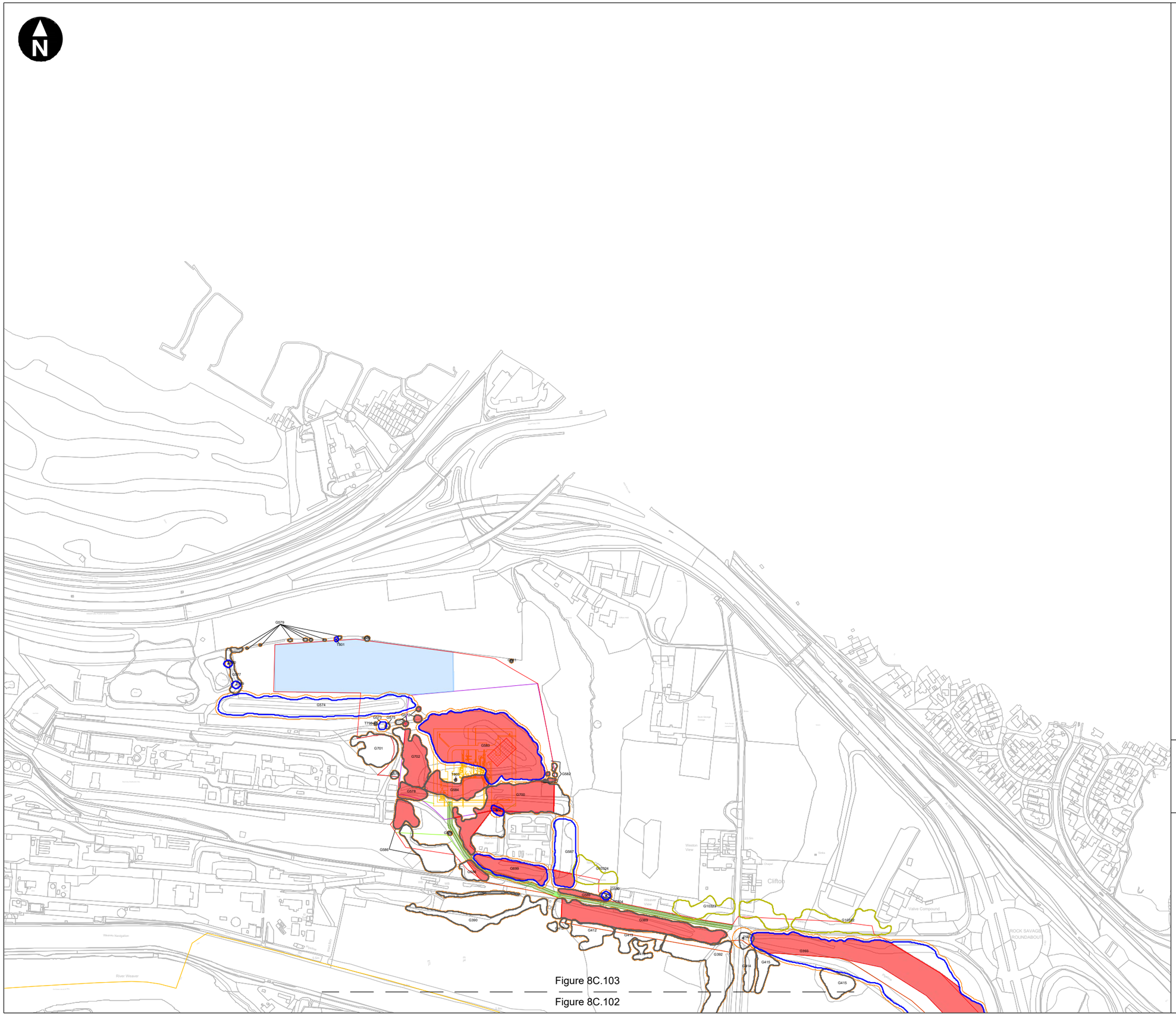

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Figure 8C.103
Arboricultural Impacts Plan - Sheet 14 of 87

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Figure 8C.103

Figure 8C.102

Figure 8C.102

Figure 8C.103

Figure 8C.104

Figure 8C.105

Key

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Figure 8C.104
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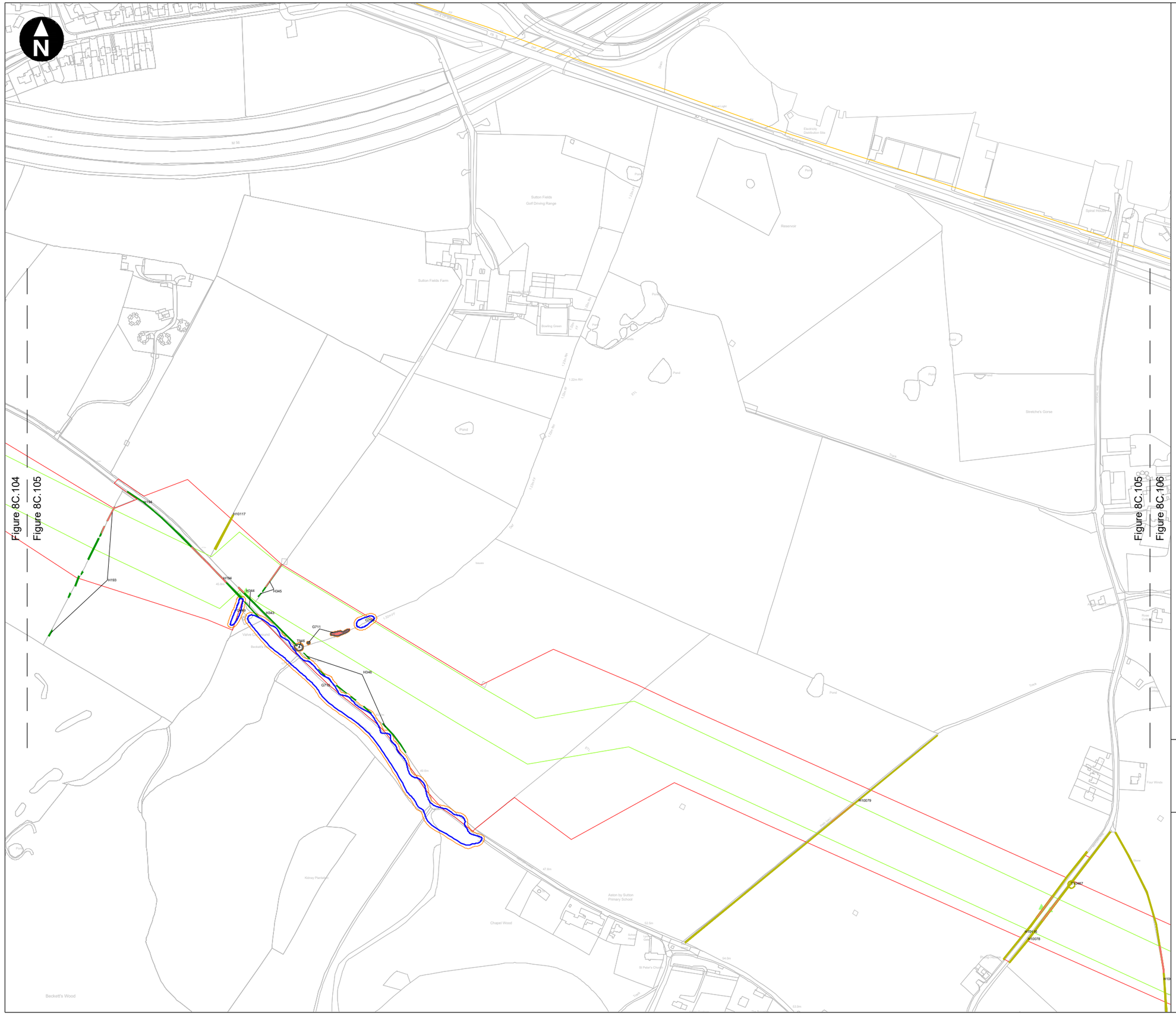

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Arboricultural Impacts Plan - Sheet 16 of 87

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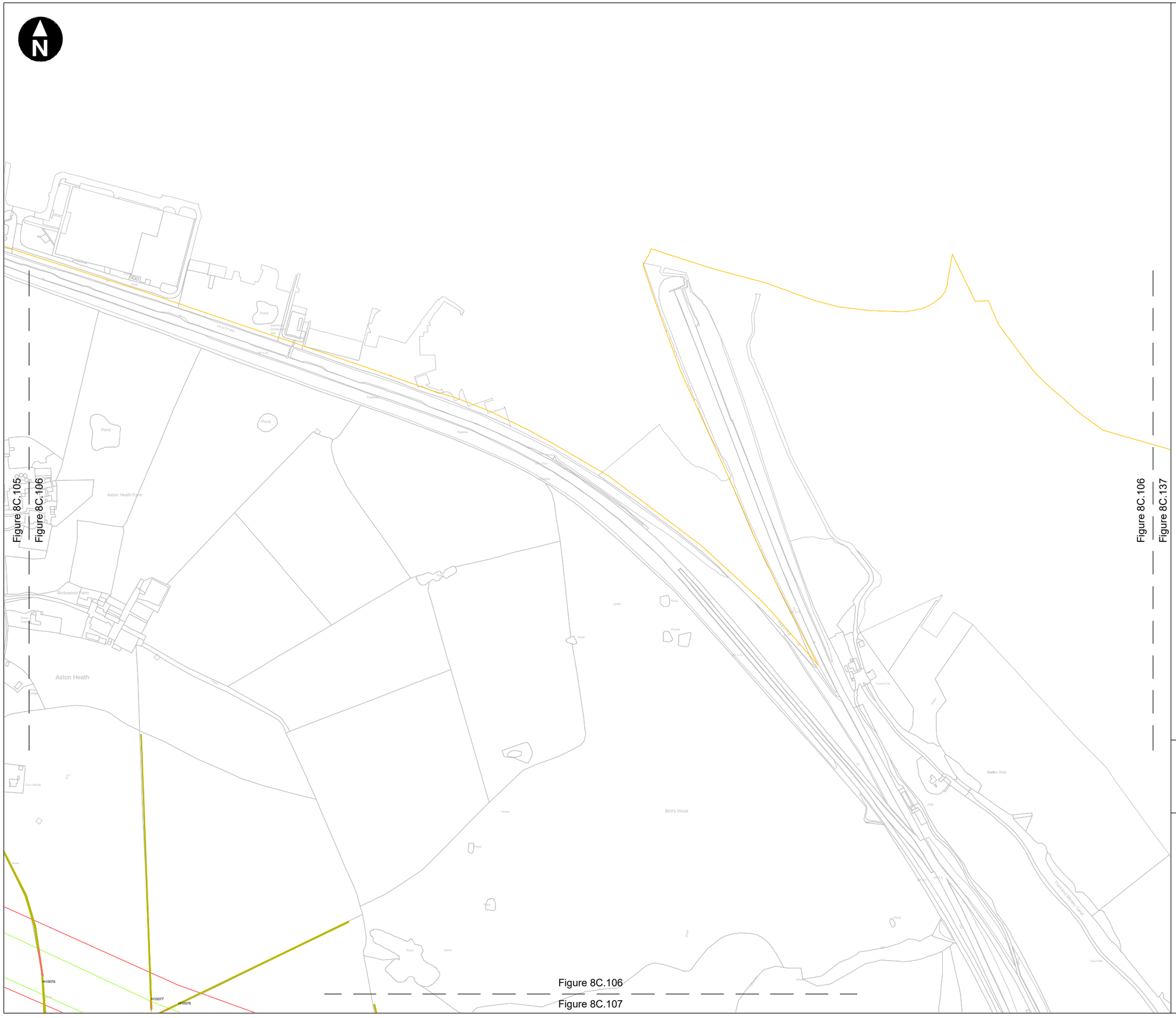

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Figure 8C.106
Arboricultural Impacts Plan - Sheet 17 of 87

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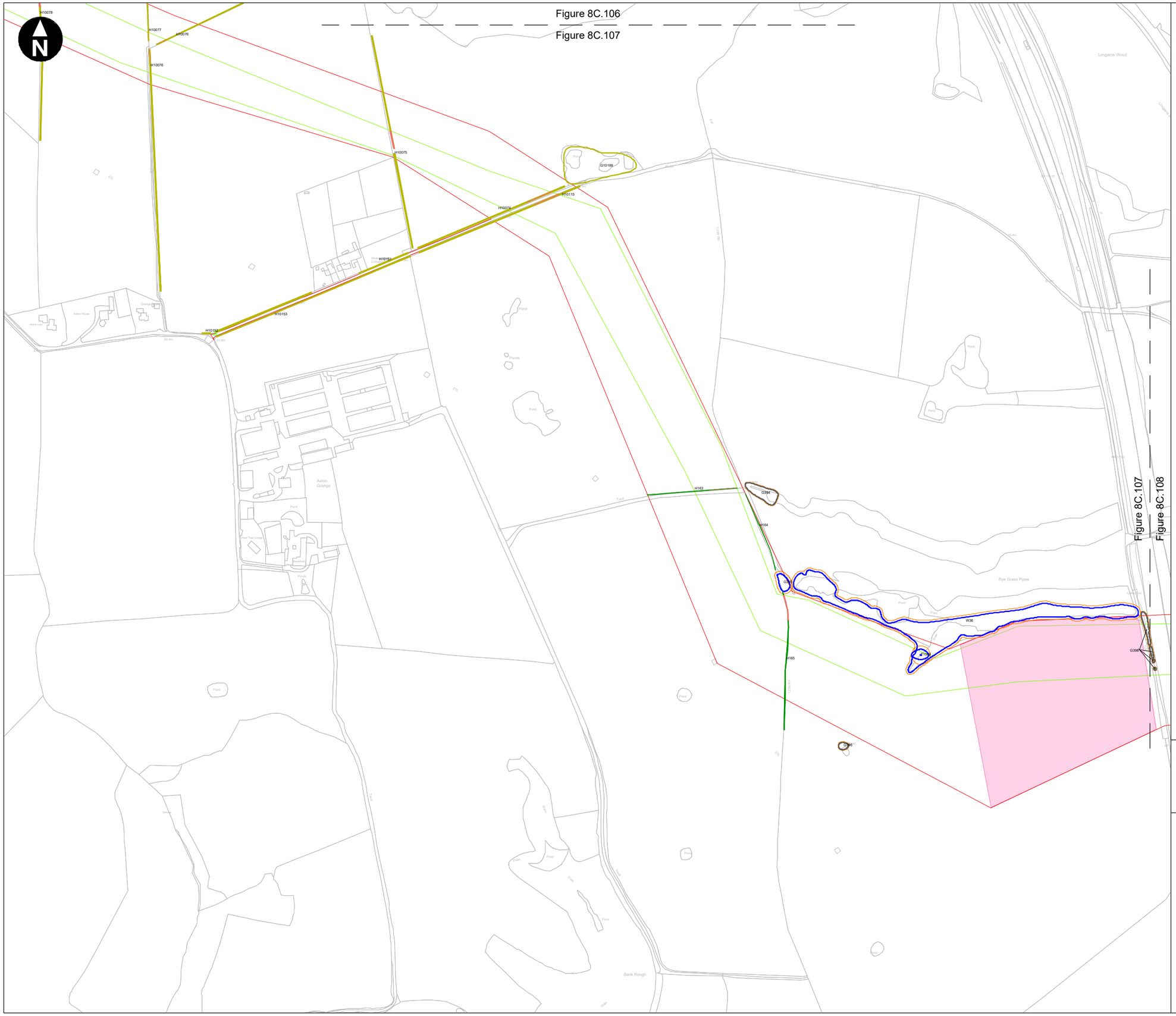
Figure 8C.106

Figure 8C.107



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- Material Storage Area

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Figure 8C.107
Arboricultural Impacts Plan - Sheet 18 of 87

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Figure 8C.137

Figure 8C.108

Figure 8C.107

Figure 8C.108

Figure 8C.108

Figure 8C.176

Figure 8C.108

Figure 8C.109

Key

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Arboricultural Impacts Plan - Sheet 19 of 87

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Figure 8C.108

Figure 8C.109

Figure 8C.109

Figure 8C.175

Key

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- Trenchless Crossing Compound
- Material Storage Area

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Figure 8C.109
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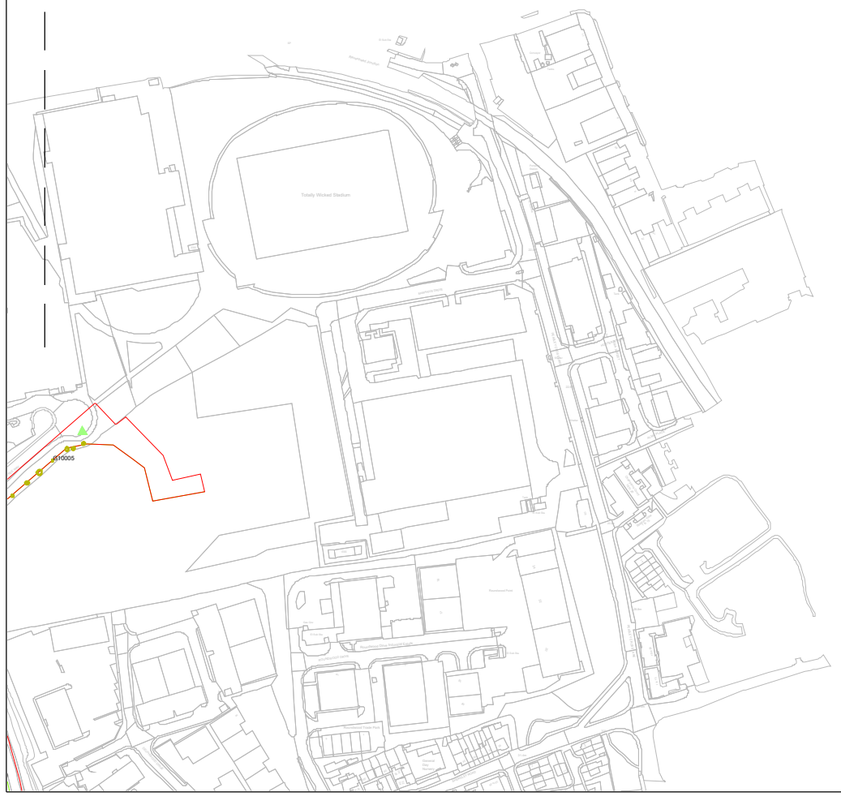
Figure 8C.111

Figure 8C.110



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- Permanent Access Road
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- Material Storage Area

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Arboricultural Impact Assessment

Figure 8C.110
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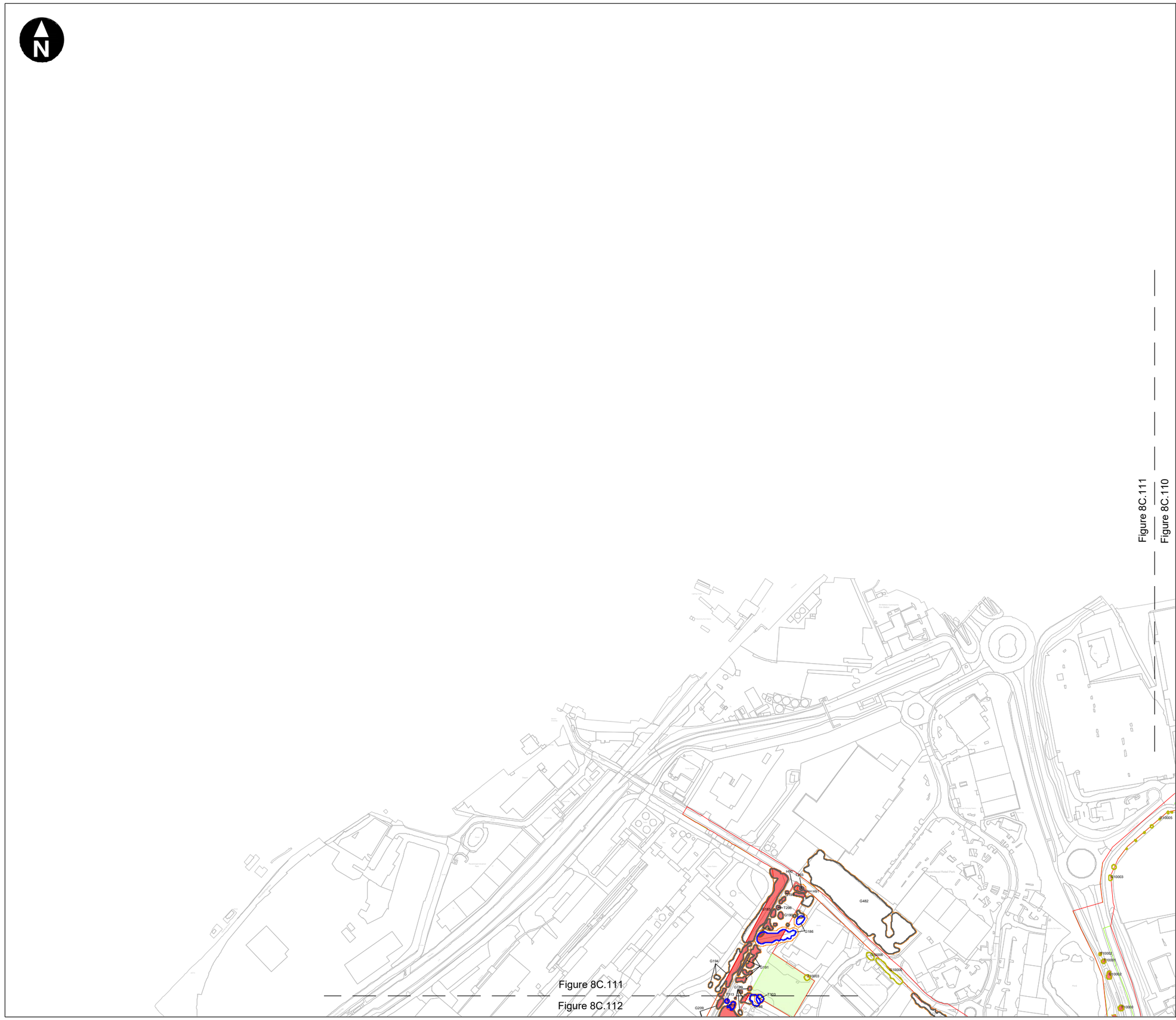
August 2024



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Arboricultural Impact Assessment

Figure 8C.111
Arboricultural Impacts Plan - Sheet 22 of 87

August 2024

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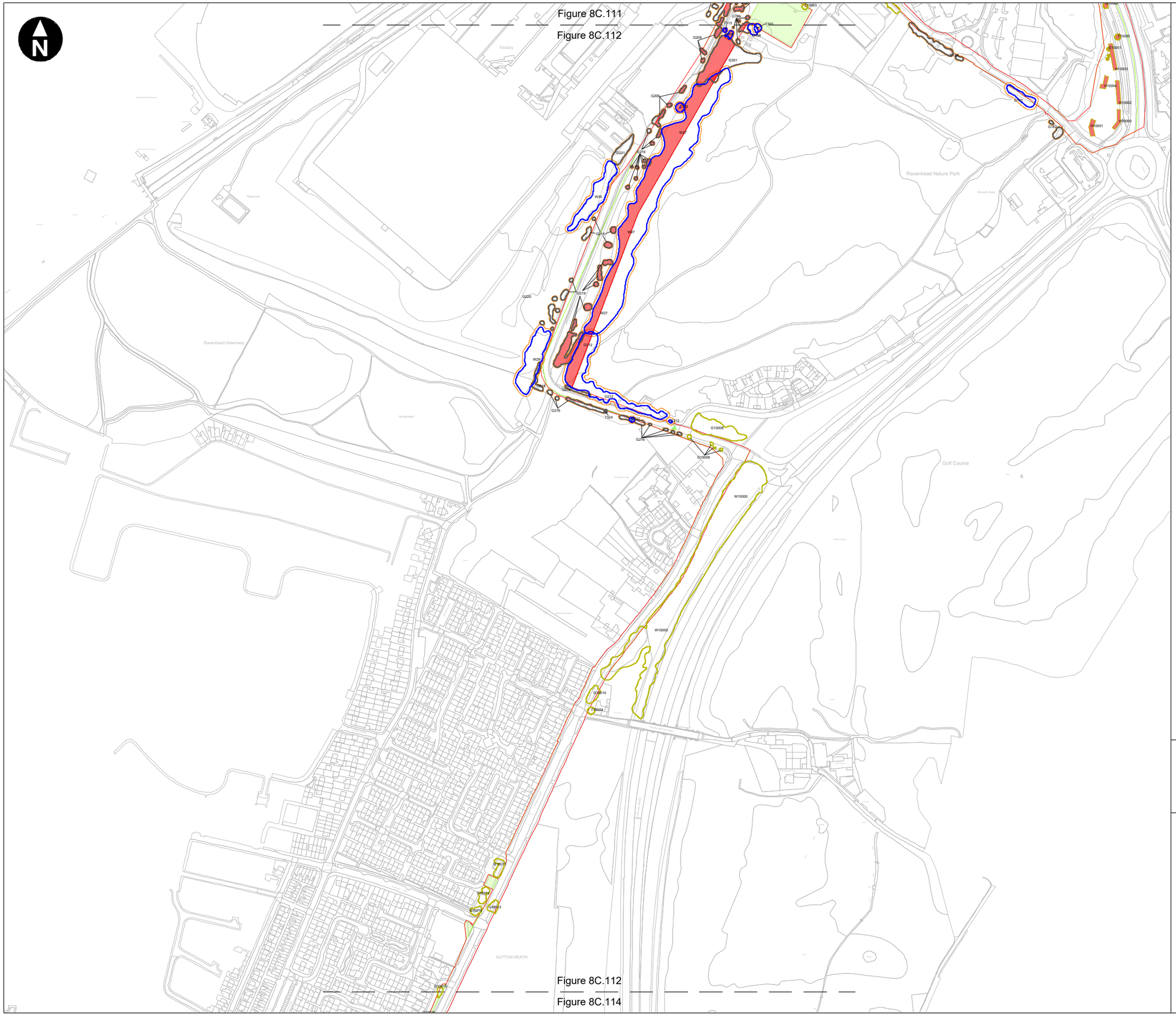
Figure 8C.111
Figure 8C.112



Key

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- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.112
Arboricultural Impacts Plan - Sheet 23 of 87

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Figure 8C.112
Figure 8C.114

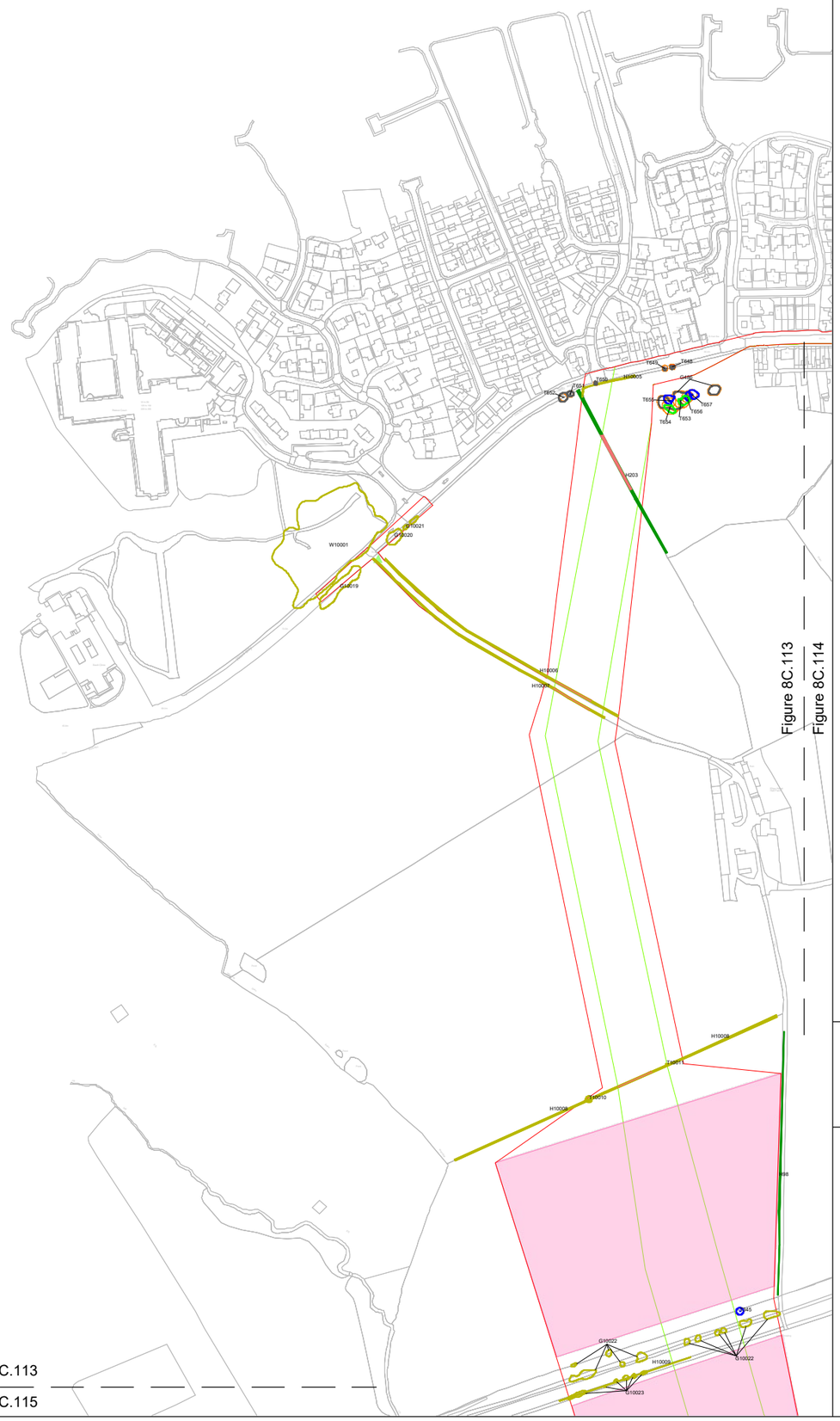

Figure 8C.113

Figure 8C.114

Figure 8C.113

Figure 8C.115

Key

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- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.113
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Key

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- Trenchless Crossing Compound
- Material Storage Area

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Figure 8C.114
Arboricultural Impacts Plan - Sheet 25 of 87

August 2024

Figure 8C.113

Figure 8C.115

Key

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0 m 250 m

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Figure 8C.115
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Figure 8C.114

Figure 8C.116

Figure 8C.115

Figure 8C.116

Figure 8C.116

Figure 8C.117

Key

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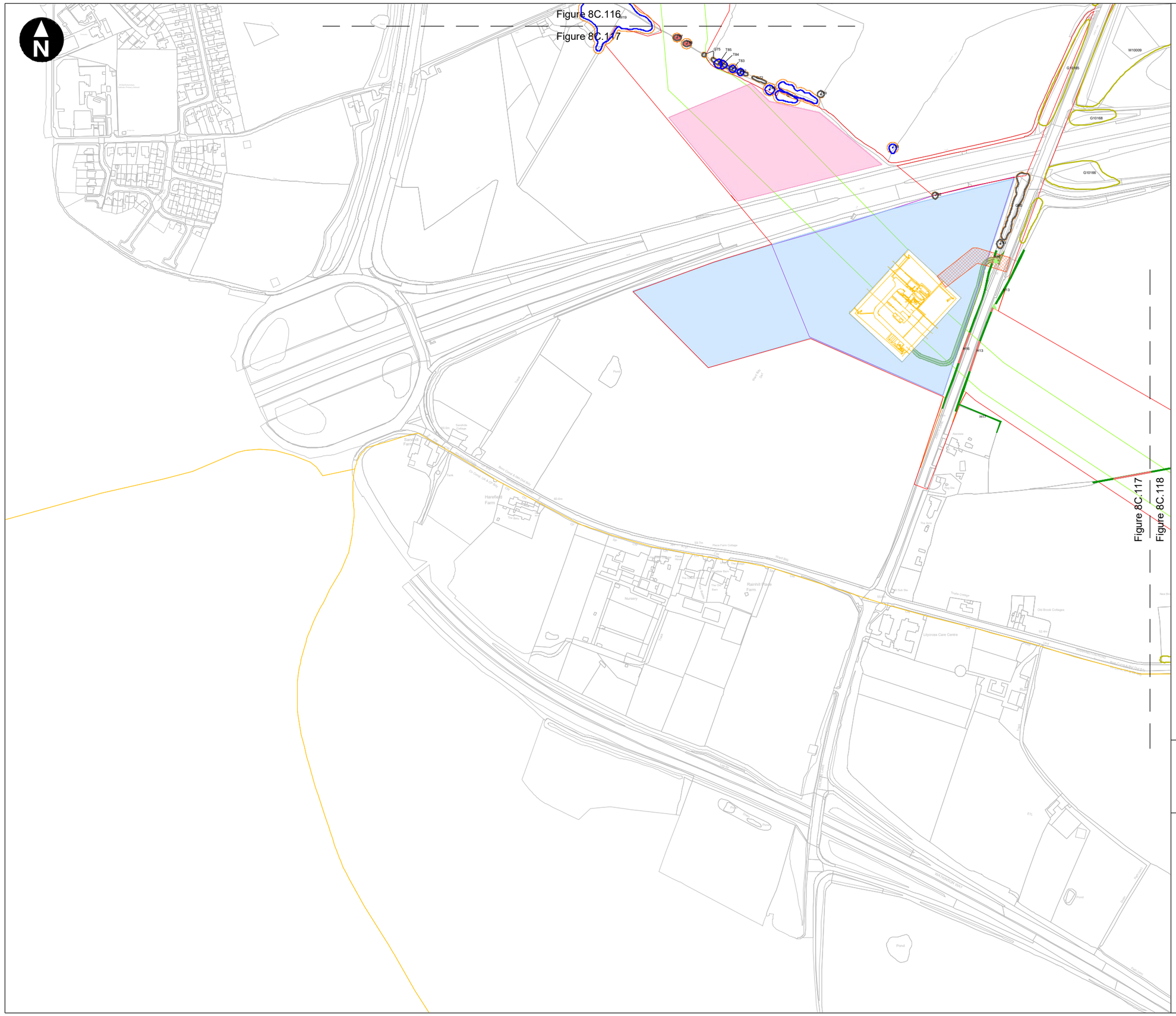

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0 m 250 m

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Arboricultural Impacts Plan - Sheet 28 of 87

August 2024

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Figure 8C.117

Figure 8C.118

Figure 8C.118

Figure 8C.119

Key

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Scale 1:5,000 @ A3

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Arboricultural Impacts Plan - Sheet 29 of 87

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Figure 8C.118

Figure 8C.119

Figure 8C.119

Figure 8C.120

Key

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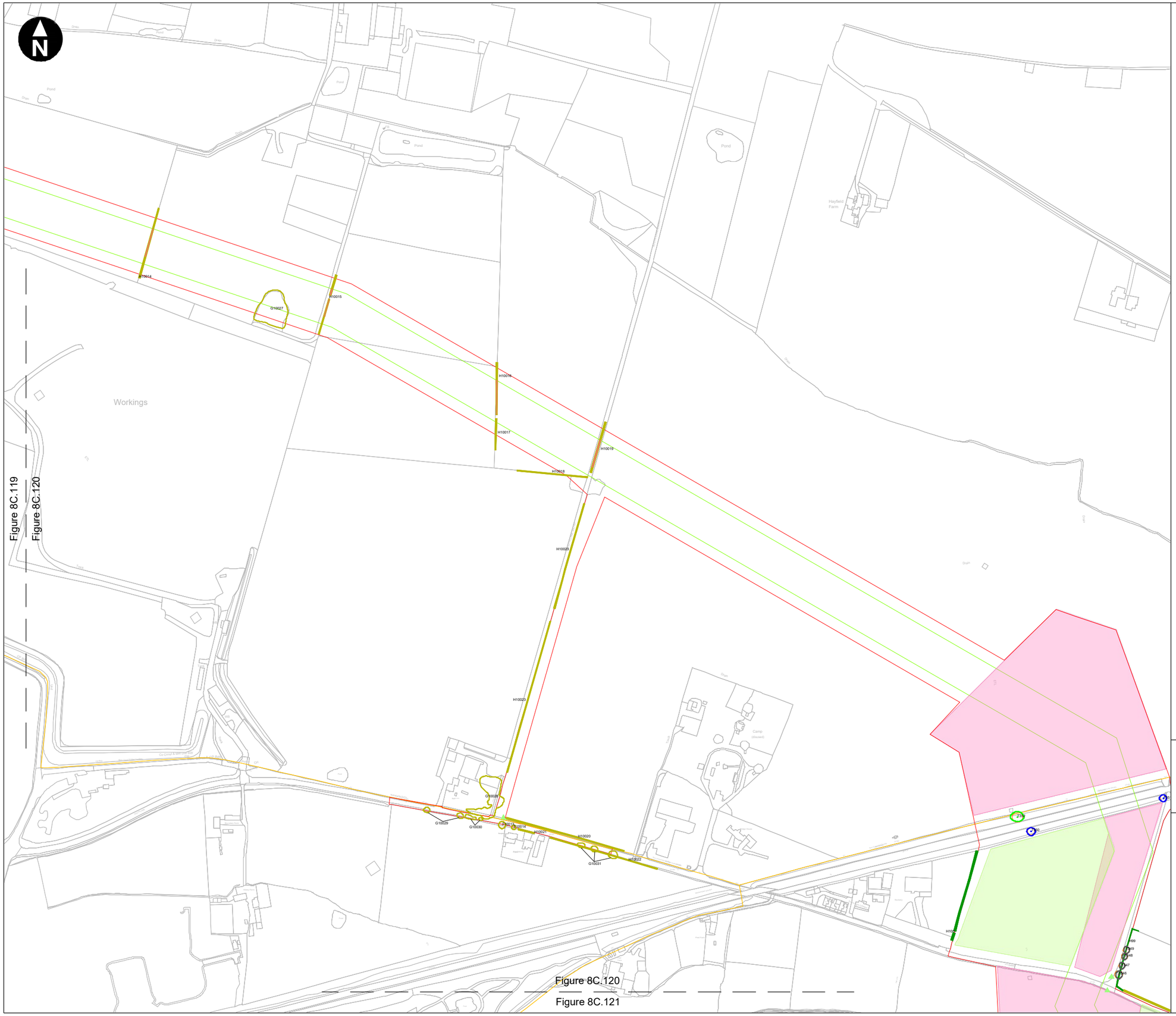

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Figure 8C.120

Figure 8C.121

Figure 8C.121

Figure 8C.122

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
- Category B - Retained
- Category C - Retained
- Category U - Retained
- Hedgerow for removal
- Hedgerow for Pruning
- Pipeline Limits of Deviation (LoD)
- Hydrogen Above Ground Infrastructure (HAGI) and LoD
- HAGI Temporary Construction Compound
- Block Valve Installation (BVI) and LoD
- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.121
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Figure 8C.121

Figure 8C.122

Figure 8C.122

Figure 8C.123

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
- Category B - Retained
- Category C - Retained
- Category U - Retained
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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.122
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Figure 8C.122

Figure 8C.123

Figure 8C.123

Figure 8C.124

Figure 8C.123

Figure 8C.128

River Mersey

River Mersey

Richmond Bank

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
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- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.123

Figure 8C.124

Figure 8C.124

Figure 8C.125

Figure 8C.124

Figure 8C.129

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
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- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.124
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Figure 8C.124

Figure 8C.125

Figure 8C.125

Figure 8C.126

Figure 8C.125

Figure 8C.130

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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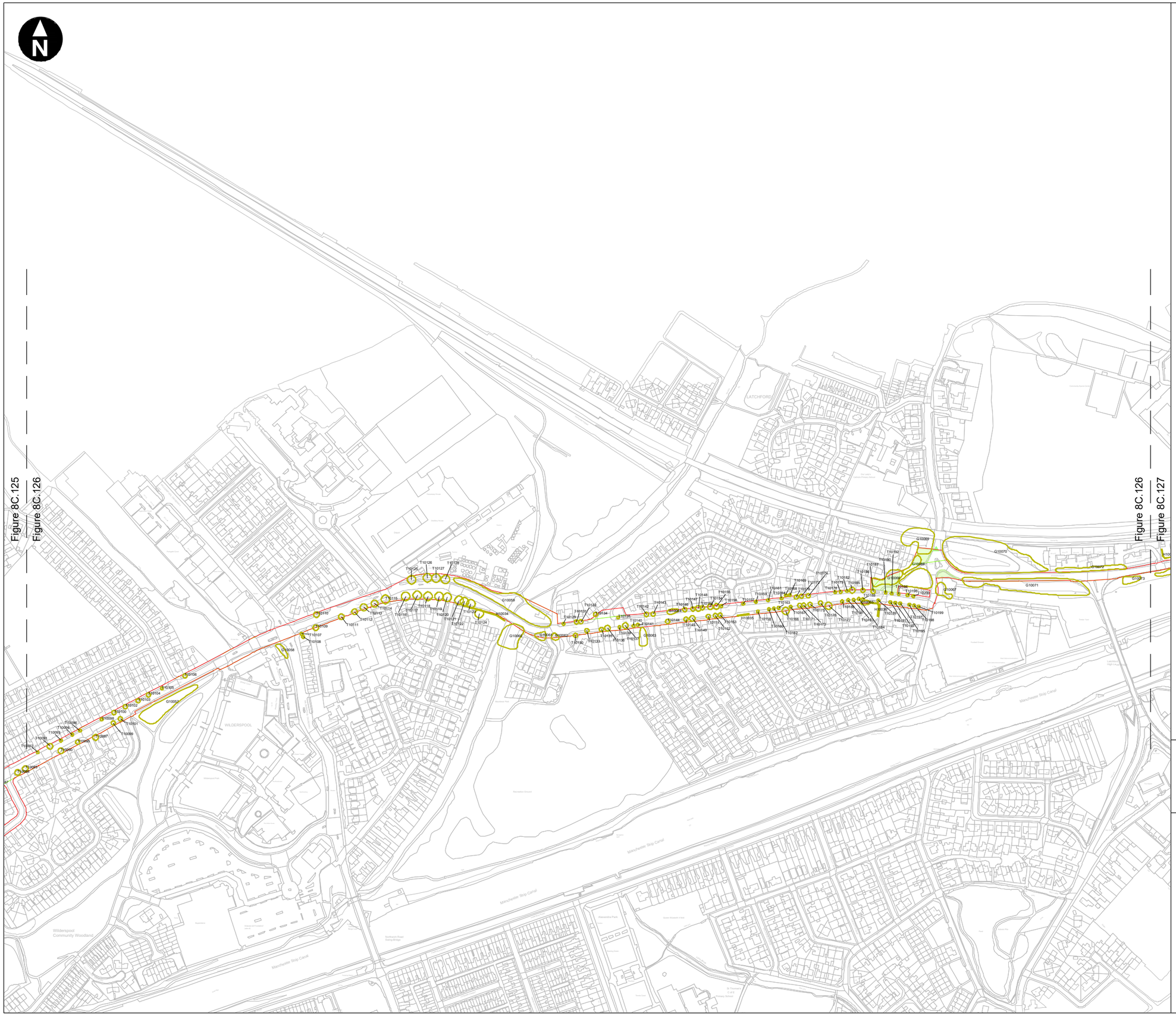

Key

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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.126

Figure 8C.127

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
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- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.123

Figure 8C.128

Figure 8C.128 — Figure 8C.129

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.128
Arboricultural Impacts Plan - Sheet 39 of 87

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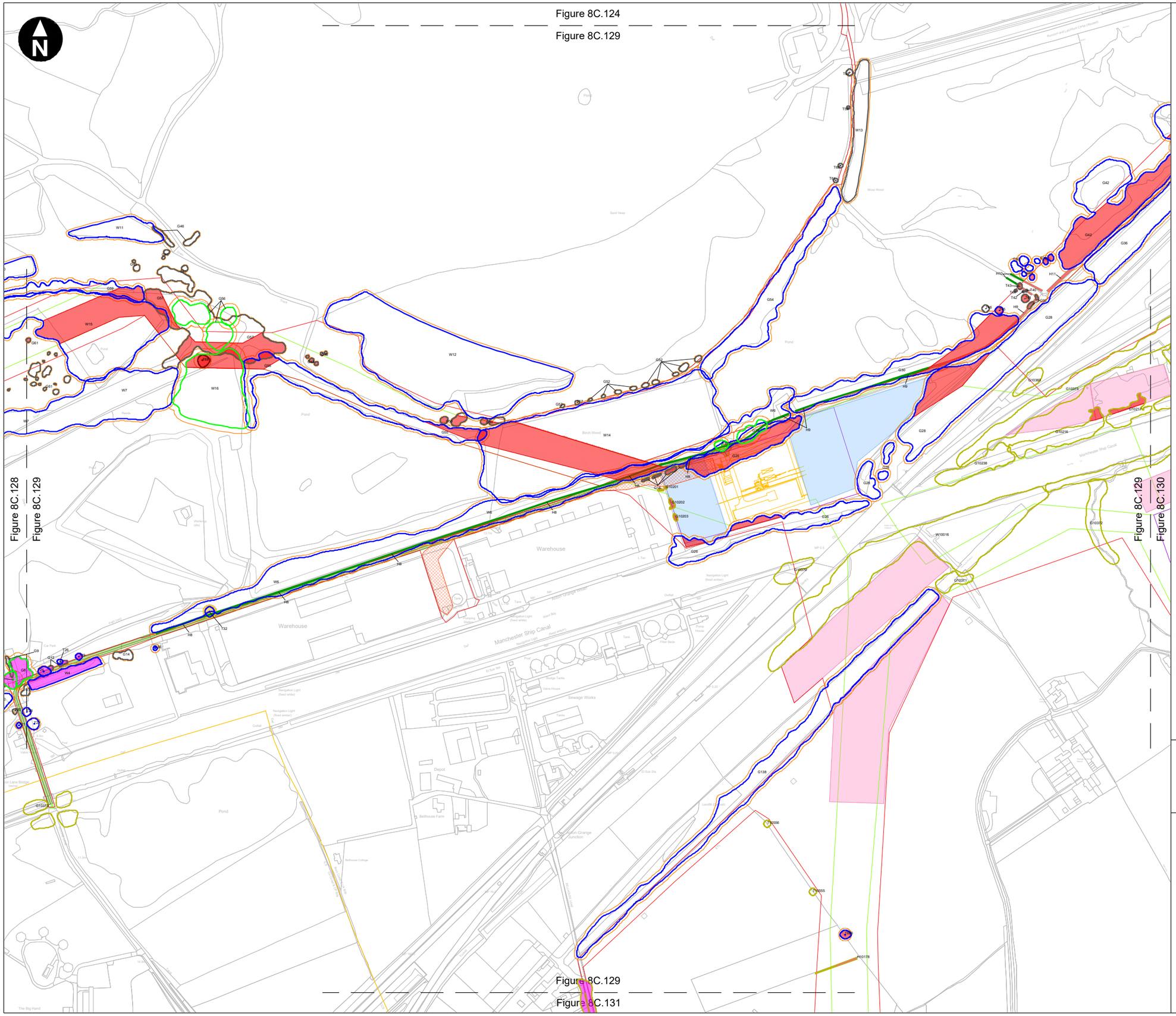
Figure 8C.124
Figure 8C.129



Key

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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.129
Figure 8C.131

Figure 8C.125

Figure 8C.130

Figure 8C.129

Figure 8C.130

Figure 8C.130

Figure 8C.132

Key

- Draft Order Limits
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- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impacts Plan - Sheet 41 of 87

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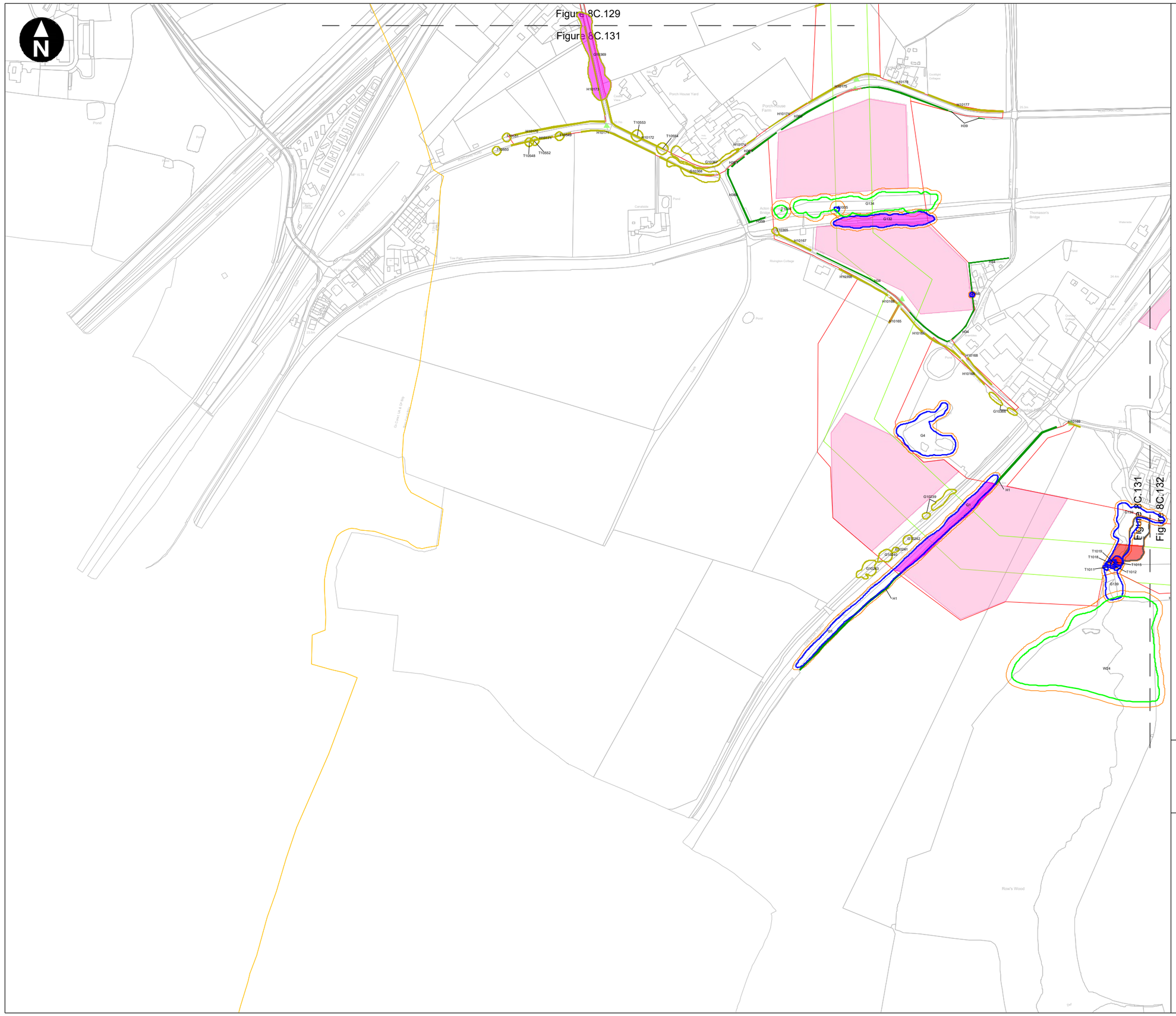

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- BVI Temporary Construction Compound
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- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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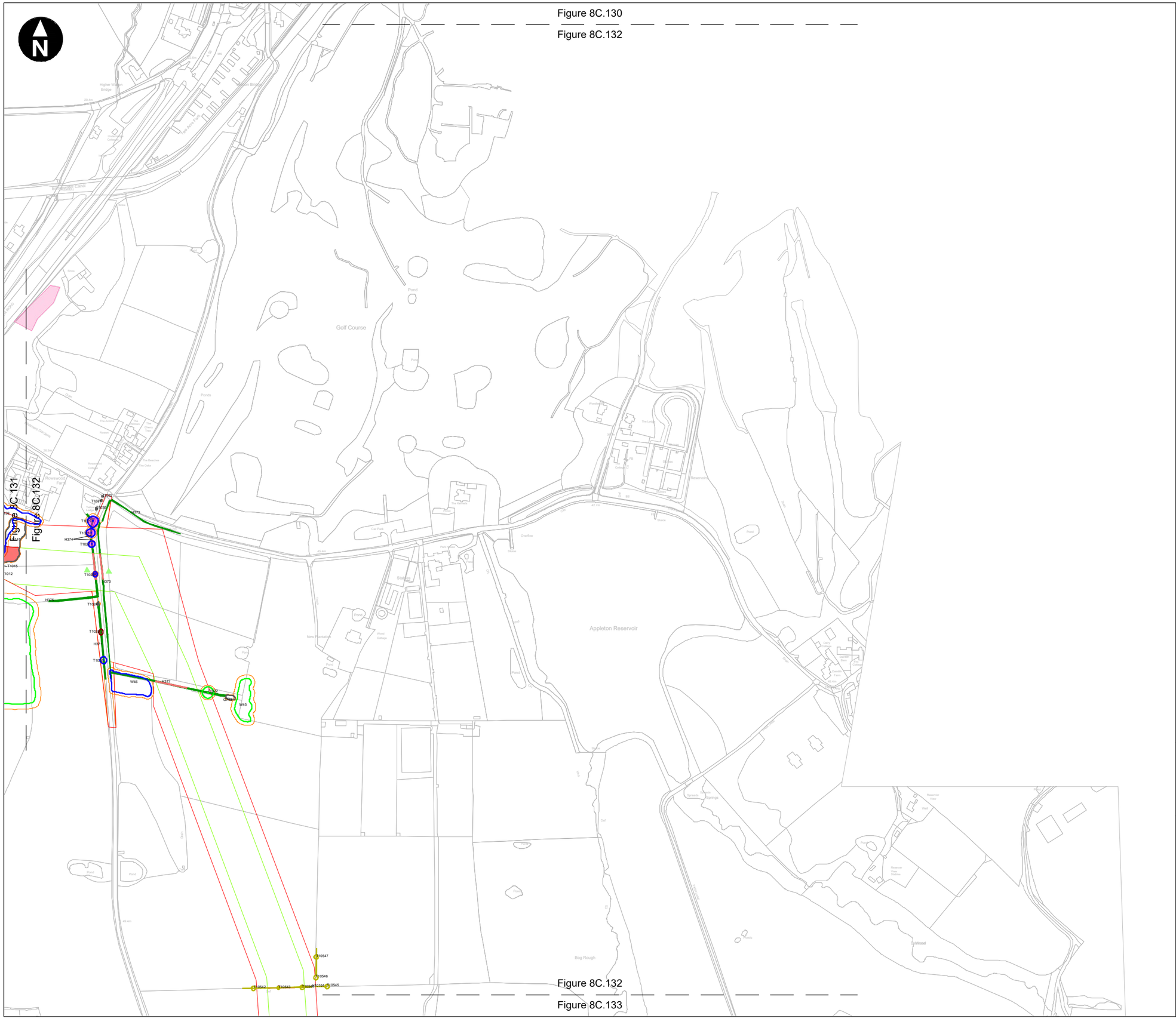
Figure 8C.130

Figure 8C.132



Key

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- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m — 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

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Figure 8C.132

Figure 8C.133

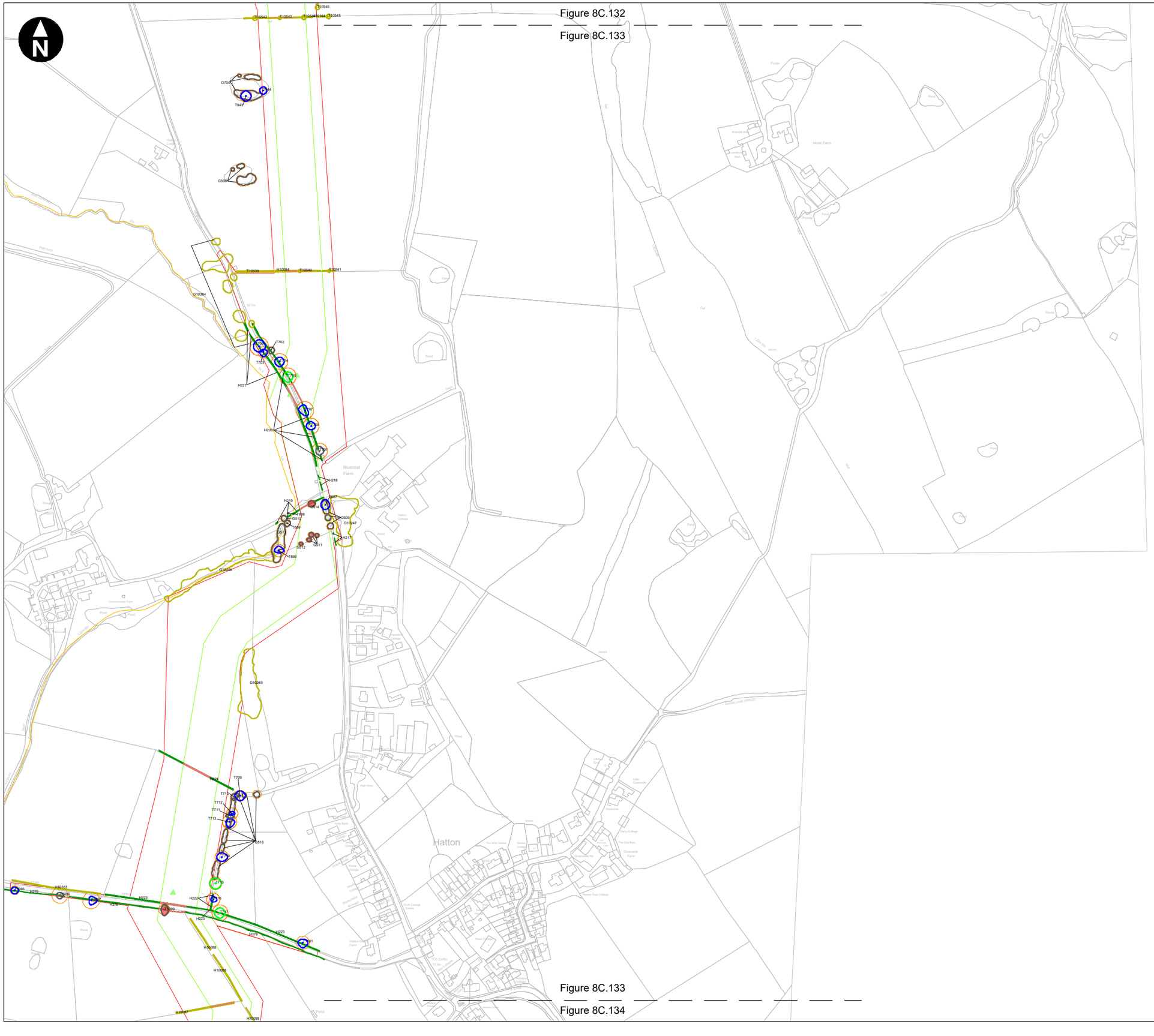

Figure 8C.133

Figure 8C.134

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
- Category B - Retained
- Category C - Retained
- Category U - Retained
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- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

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Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
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- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.134
Arboricultural Impacts Plan - Sheet 45 of 87

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Figure 8C.135
Figure 8C.134
Figure 8C.135
Figure 8C.136

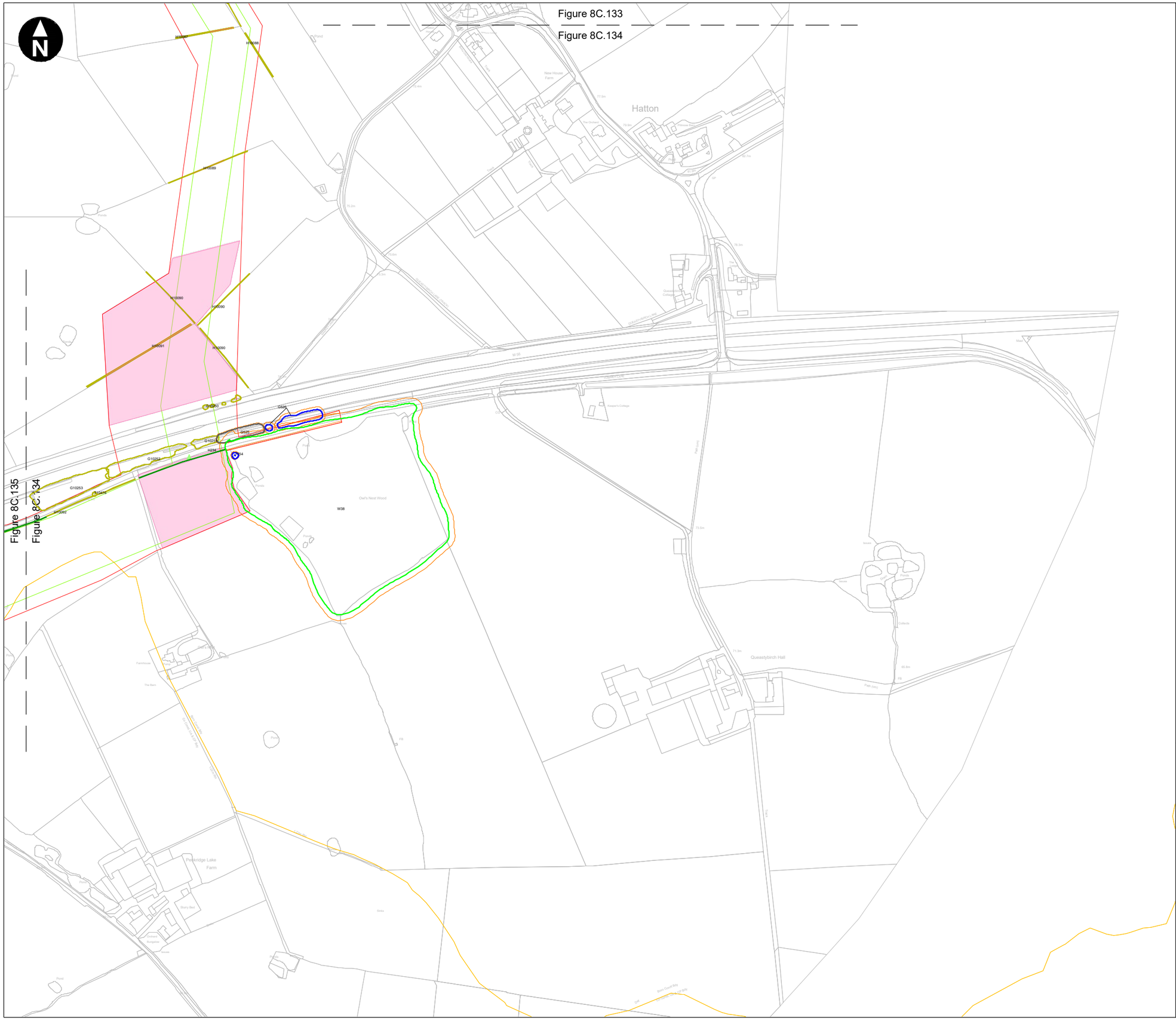
Figure 8C.133
Figure 8C.134
Figure 8C.135
Figure 8C.134
Hatton
Queastybirch Hall
Peckridge Lake Farm
Owl's Nest Wood
W38
H10090
H10091
H10092
H10088
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G10252
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Figure 8C.135

Figure 8C.136

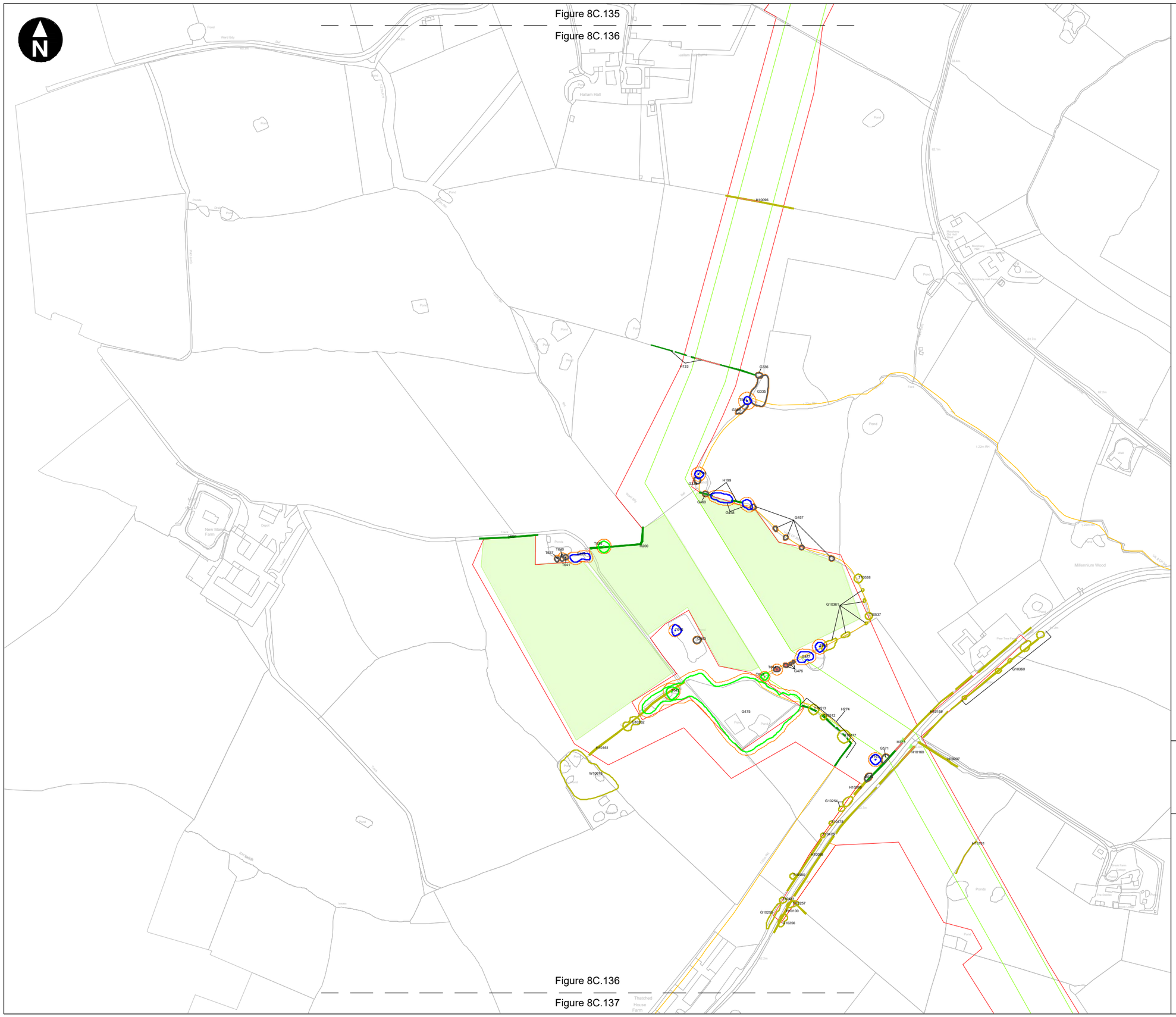

Figure 8C.136

Figure 8C.137

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
- Category B - Retained
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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.136

Figure 8C.137

Figure 8C.106

Figure 8C.137

Figure 8C.137

Figure 8C.138

Figure 8C.137

Figure 8C.108

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.137

Figure 8C.138

Figure 8C.138

Figure 8C.160

Figure 8C.138

Figure 8C.176

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
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- Material Storage Area

0 m 250 m

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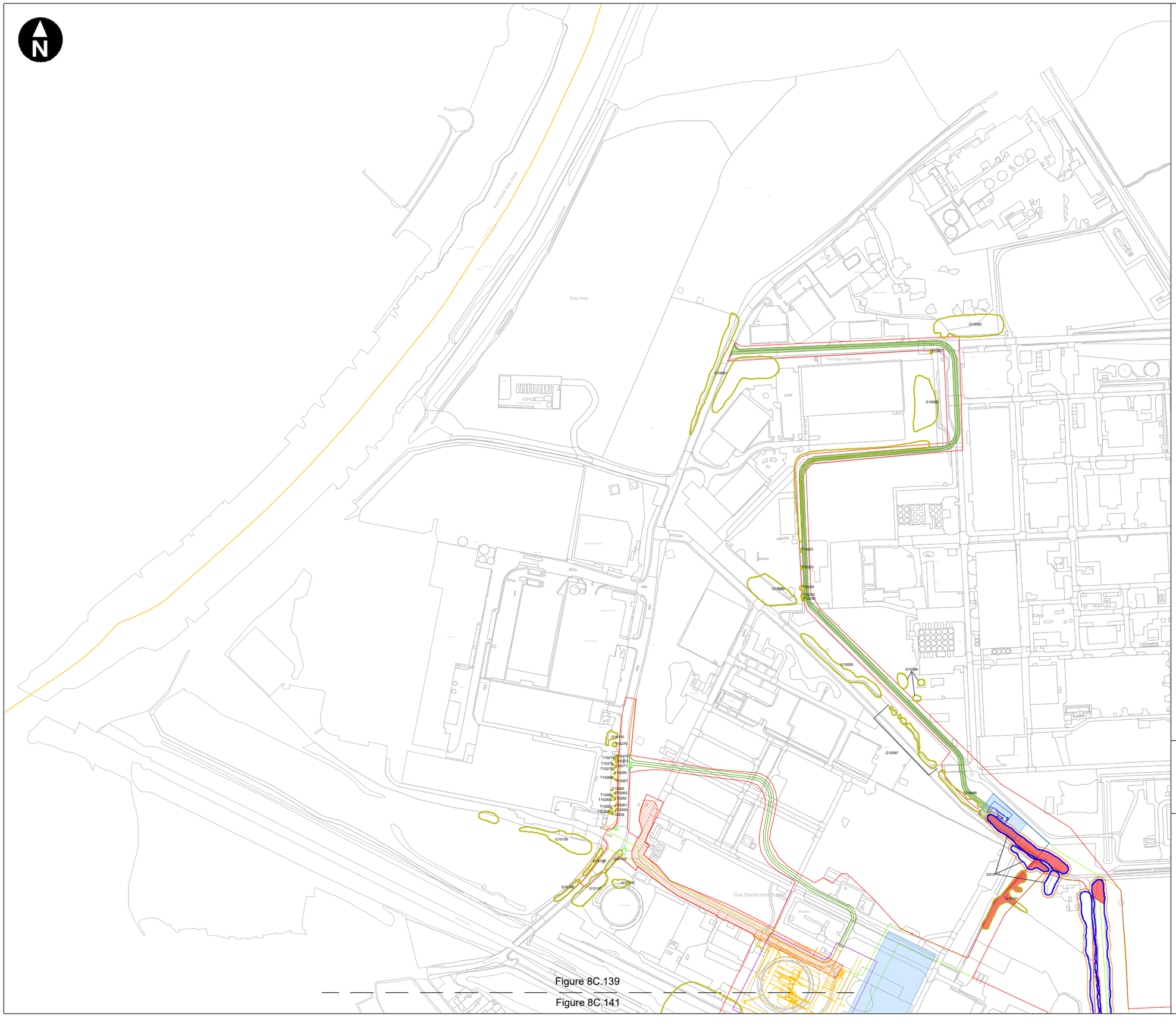

Key

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- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m — 250 m

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Figure 8C.139
Figure 8C.141

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
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- Trenchless Crossing Compound
- Material Storage Area

0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.139

Figure 8C.141

Figure 8C.140

Figure 8C.142

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
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- Material Storage Area

0 m 250 m

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Figure 8C.141
Figure 8C.142

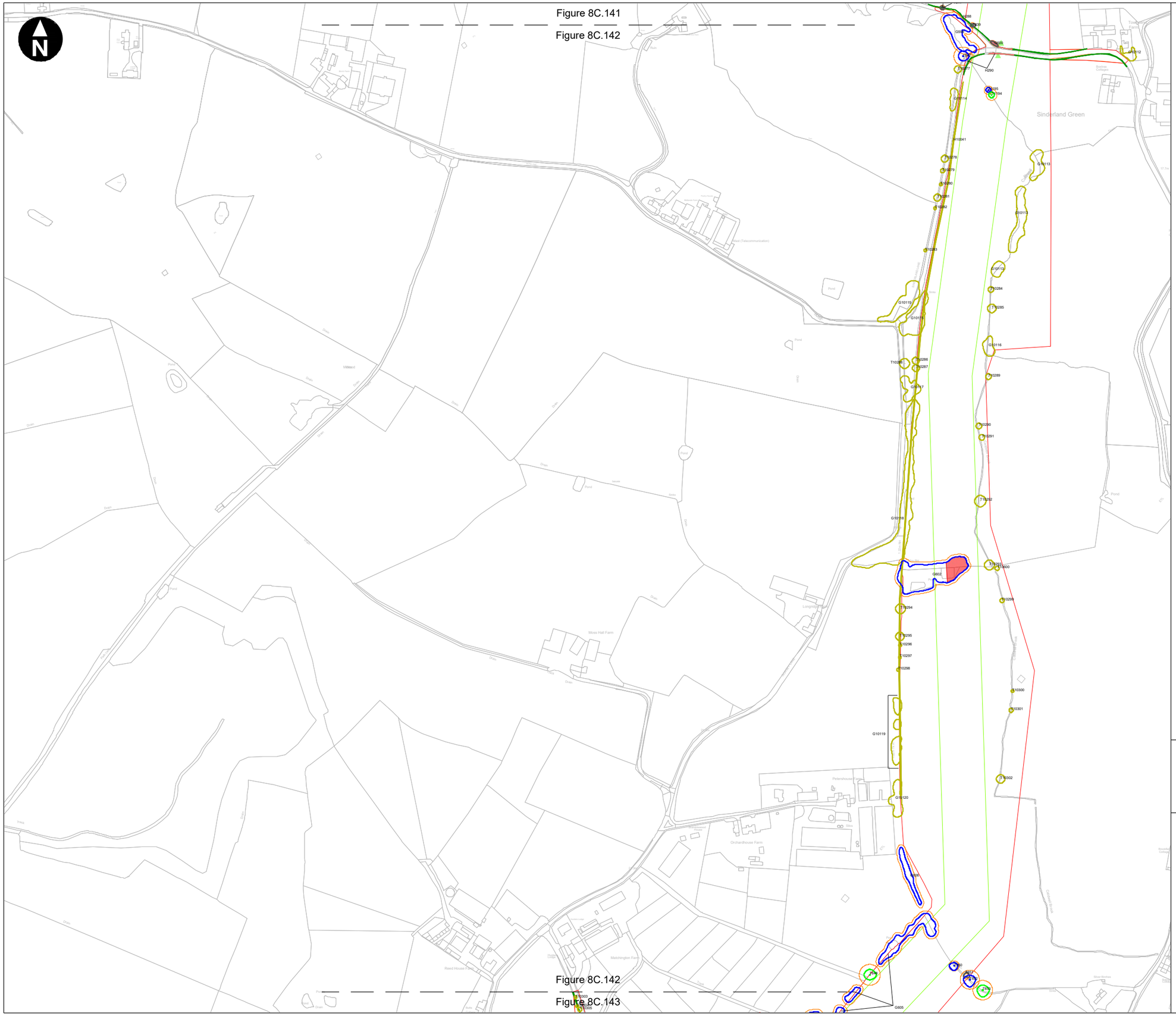

Figure 8C.142
Figure 8C.143

Key

- Draft Order Limits
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- Trees, Groups and Woodland potentially for removal - Unsurveyed
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- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m — 250 m

Scale 1:5,000 @ A3

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Draft Environmental Statement
Arboricultural Impact Assessment

Figure 8C.142
Arboricultural Impacts Plan - Sheet 53 of 87

August 2024

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Figure 8C.142
Figure 8C.143

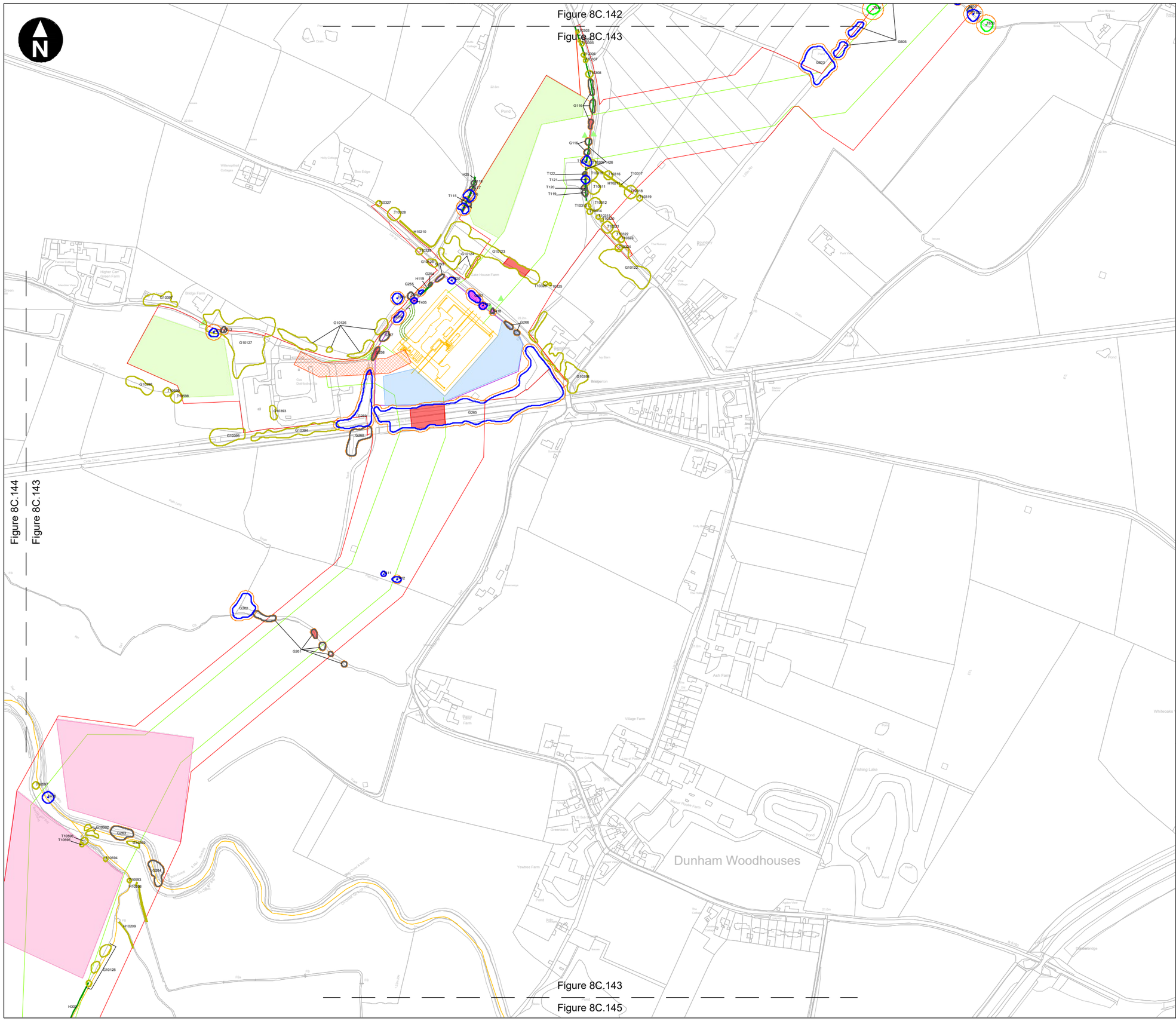

Figure 8C.144
Figure 8C.143

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0 m 250 m

Scale 1:5,000 @ A3

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Draft Environmental Statement
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Figure 8C.143
Arboricultural Impacts Plan - Sheet 54 of 87

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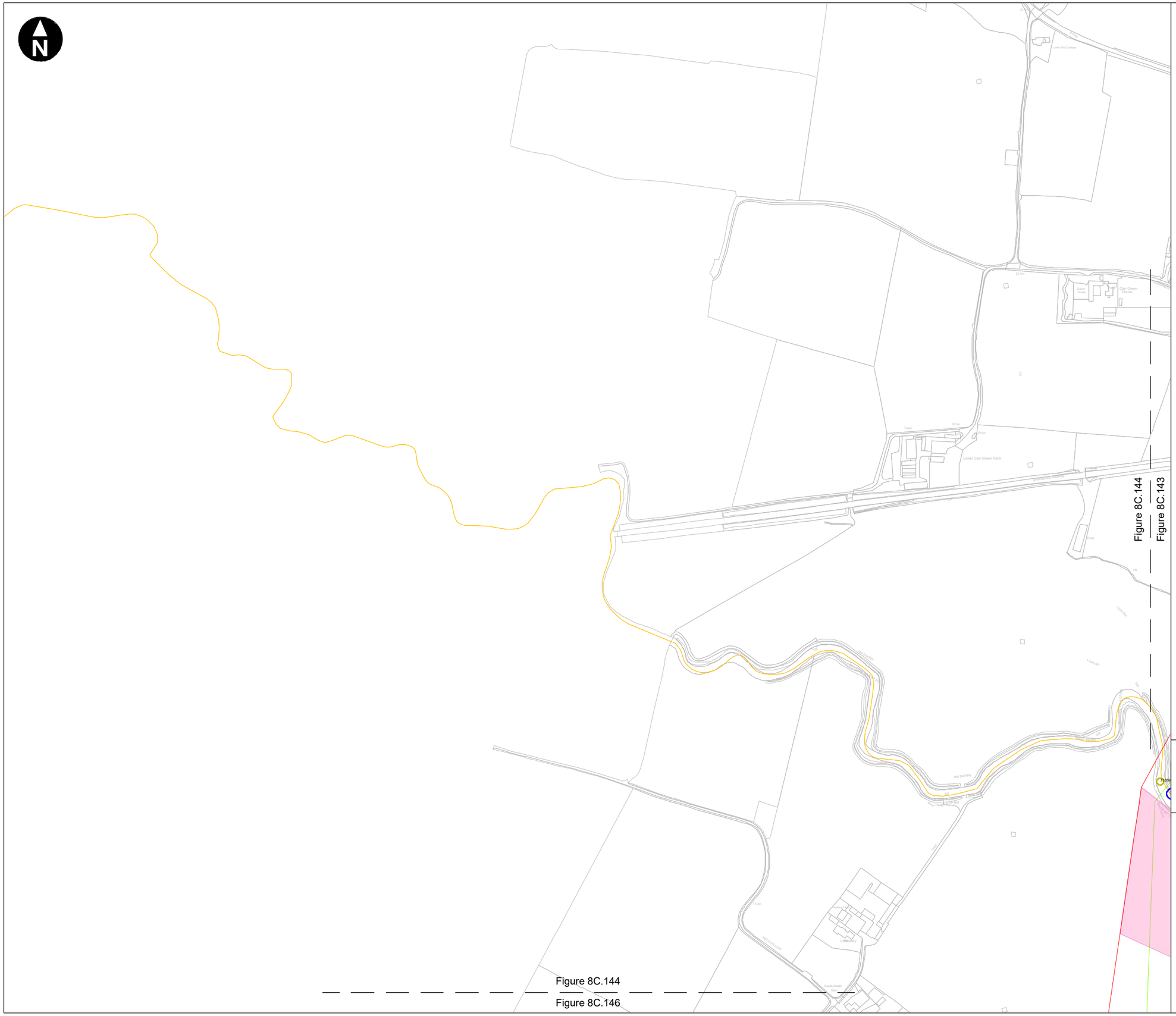
Figure 8C.143
Figure 8C.145



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0 m 250 m

Scale 1:5,000 @ A3

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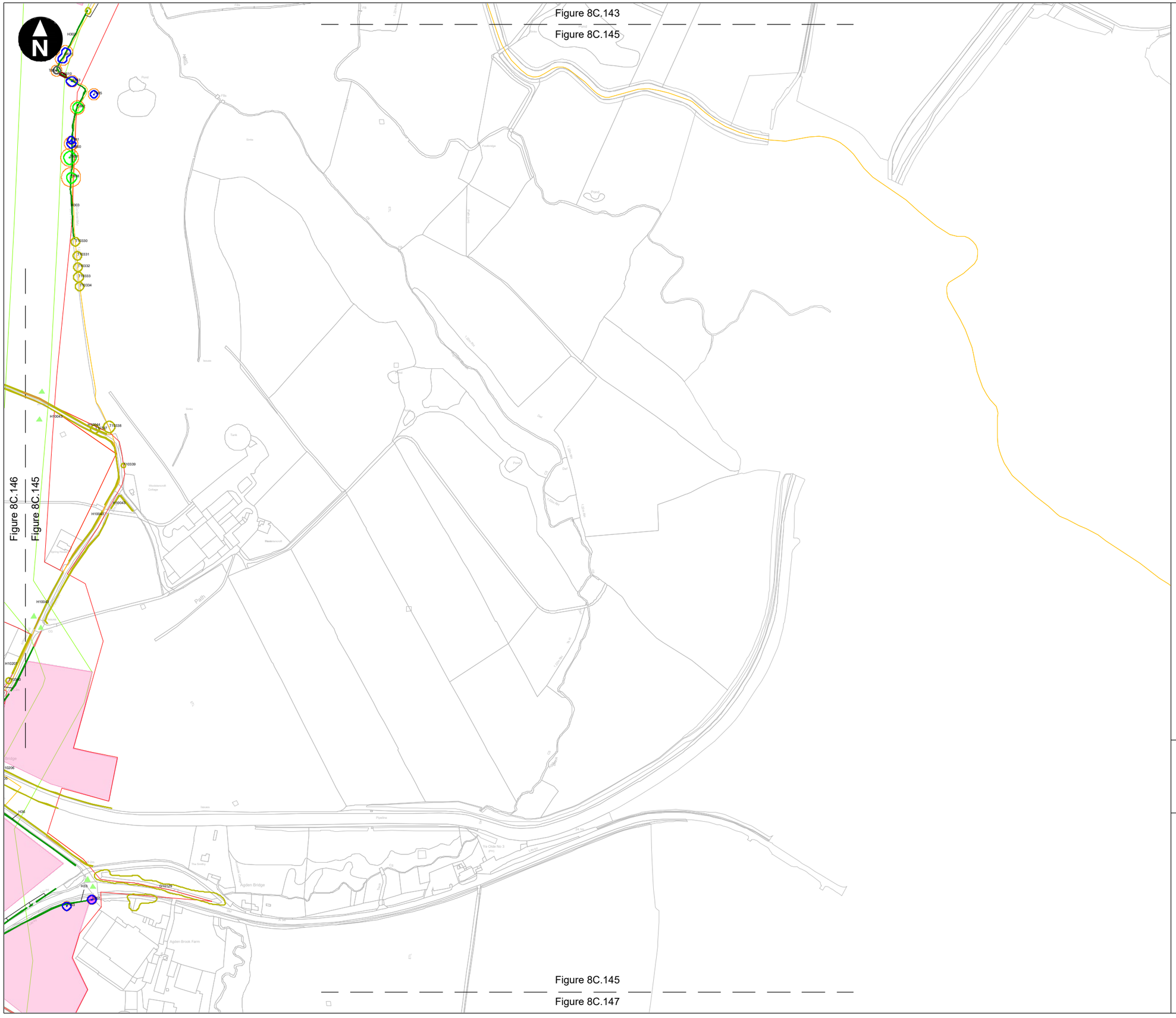
Figure 8C.144
Arboricultural Impacts Plan - Sheet 55 of 87

August 2024

Figure 8C.143

Figure 8C.145



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0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.145
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Figure 8C.144

Figure 8C.146

Figure 8C.146

Figure 8C.145

Figure 8C.146

Figure 8C.148

Key

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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.146
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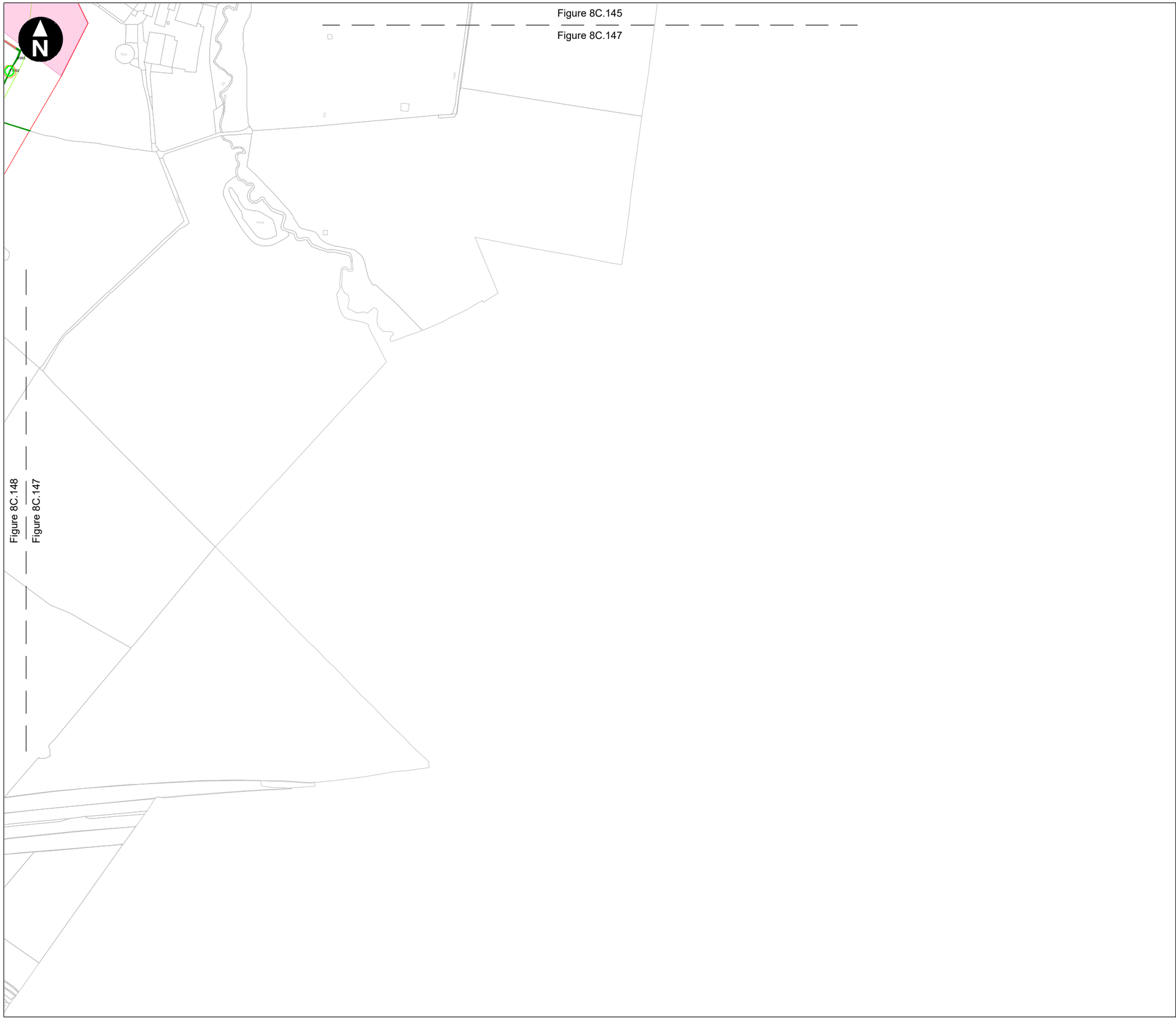

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Figure 8C.146

Figure 8C.148

Figure 8C.149

Figure 8C.148

Figure 8C.148

Figure 8C.147

Figure 8C.148

Figure 8C.150

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0 m 250 m

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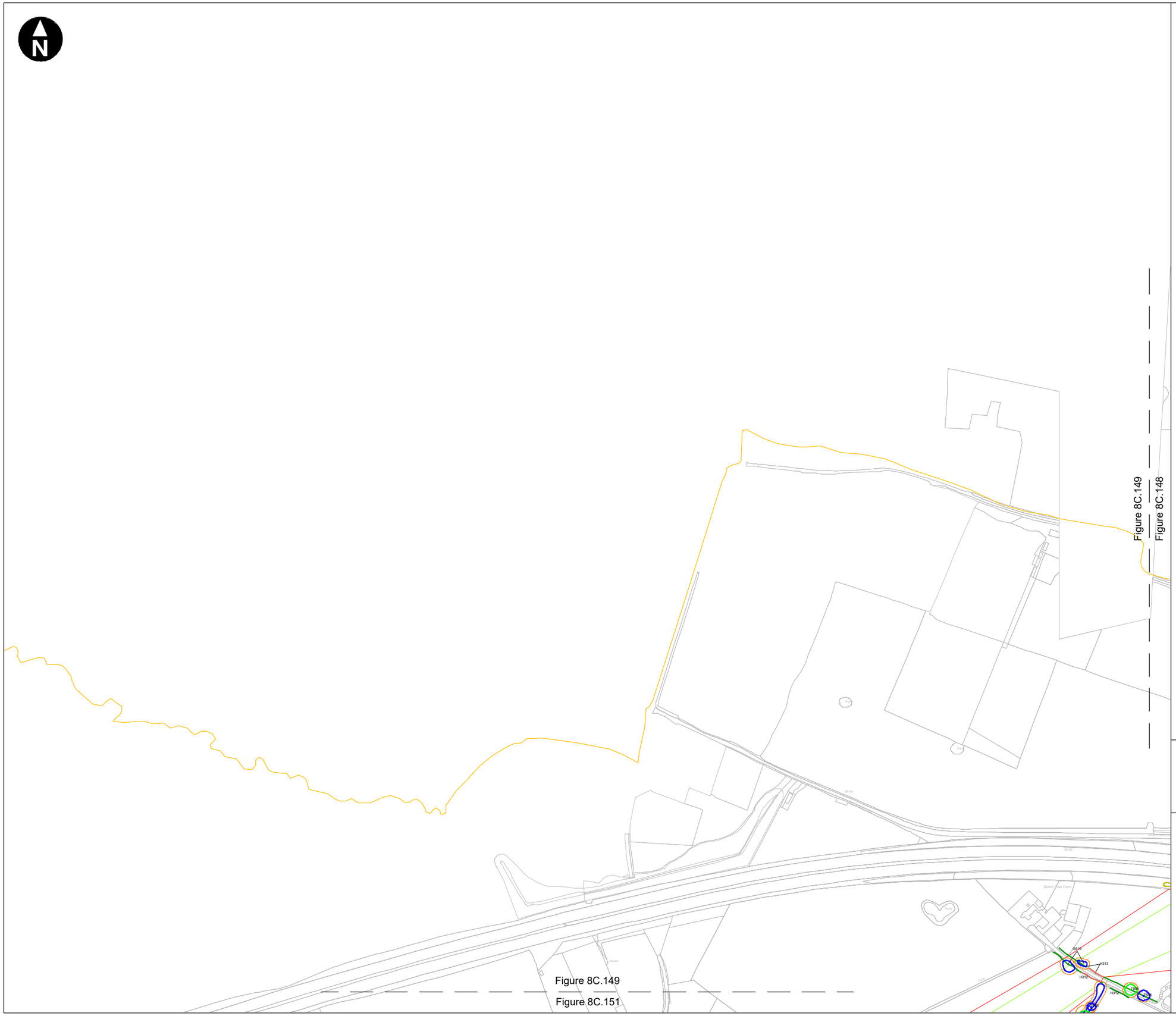
Figure 8C.148
Arboricultural Impacts Plan - Sheet 59 of 87

August 2024



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0 m 250 m

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Arboricultural Impact Assessment

Figure 8C.149
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August 2024

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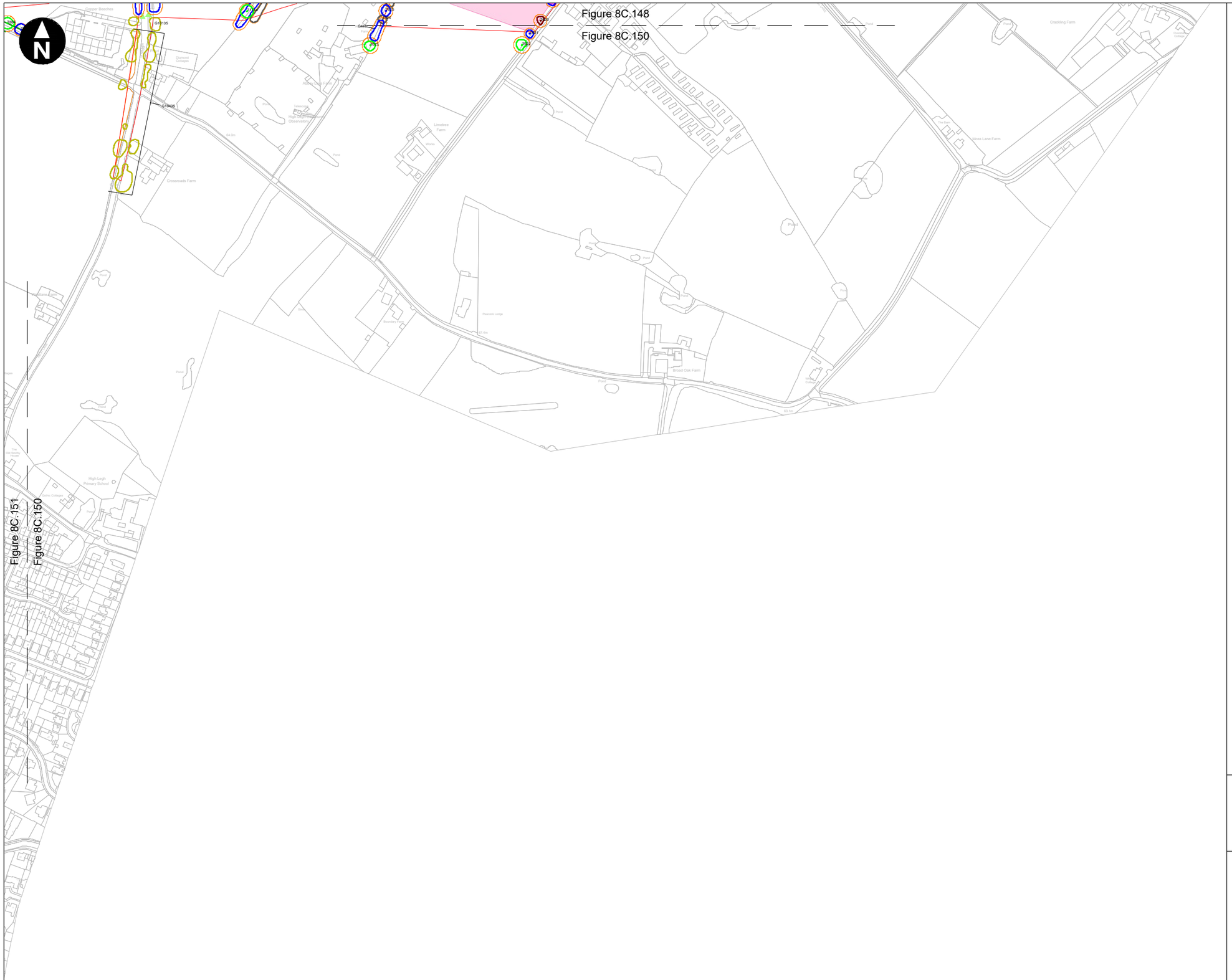

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0 m — 250 m

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Figure 8C.150
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Figure 8C.149

Figure 8C.151

Figure 8C.151

Figure 8C.152

Figure 8C.151

Figure 8C.150

Key

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0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.151
Arboricultural Impacts Plan - Sheet 62 of 87

August 2024

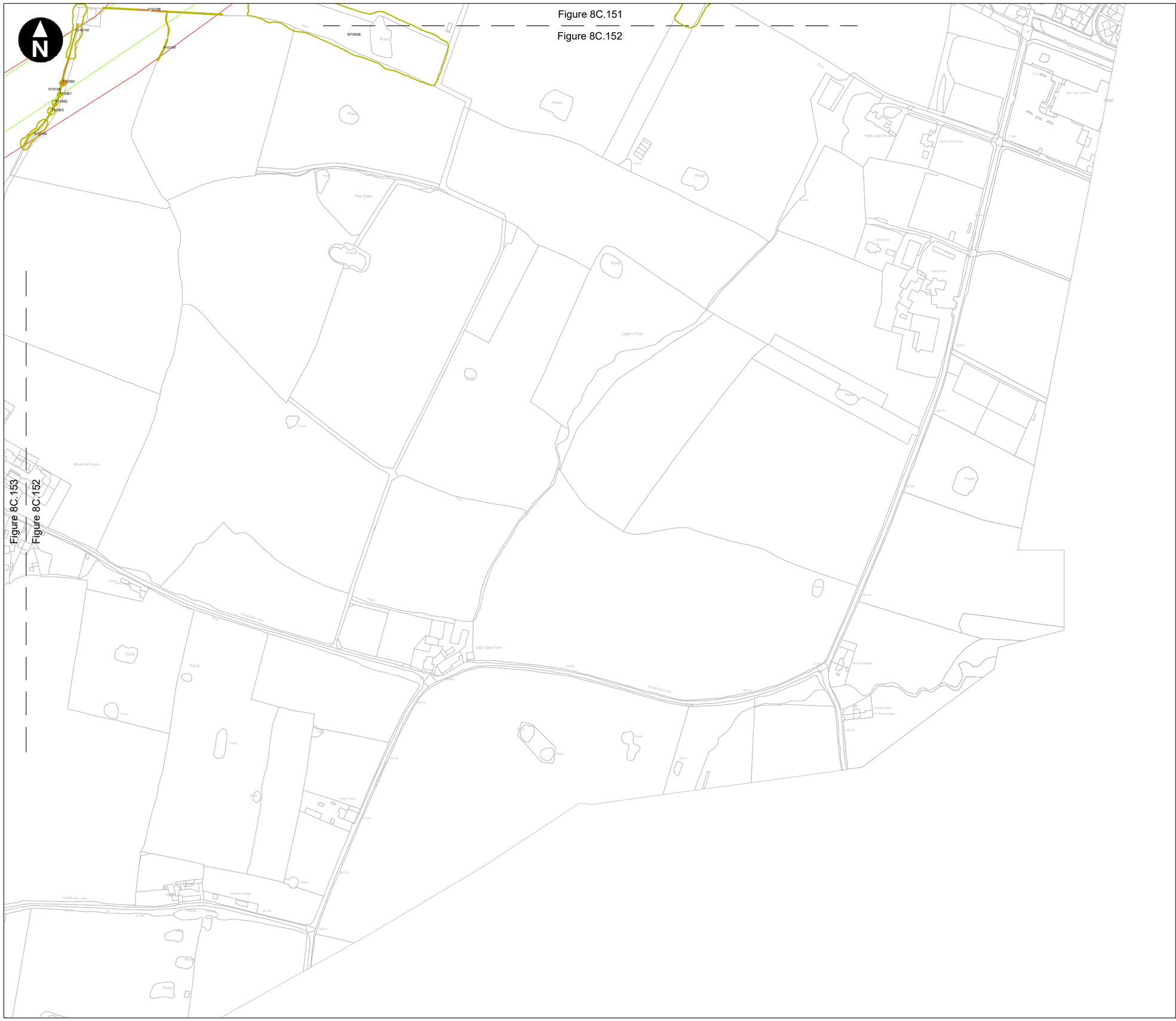
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Figure 8C.152
Figure 8C.153
Figure 8C.152
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H103196
T10142
H103197
H103360
H101961
T10362
T10363
H103363
W10008
Pond
The Oaks
Legh's Folly
Moss Hall Farm
Legh Oaks Farm
GOLBORNE LANE
HOBBS HILL LANE
Hobbs Hill Farm
Hobbs Hill Cottage
Hobbs Hill Barn
Hobbs Hill Bungalow
Hobbs Hill Farmhouse
Hobbs Hill Cottages
Hobbs Hill Stables
Hobbs Hill Kennels
Hobbs Hill Caravan Park
Hobbs Hill Caravan Park Office
Hobbs Hill Caravan Park Toilet Block
Hobbs Hill Caravan Park Shop
Hobbs Hill Caravan Park Reception
Hobbs Hill Caravan Park Laundry
Hobbs Hill Caravan Park Store
Hobbs Hill Caravan Park Workshop
Hobbs Hill Caravan Park Garage
Hobbs Hill Caravan Park Pump House
Hobbs Hill Caravan Park Generator House
Hobbs Hill Caravan Park Gas Compound
Hobbs Hill Caravan Park Water Tank
Hobbs Hill Caravan Park Sewage Treatment Plant
Hobbs Hill Caravan Park Septic Tank
Hobbs Hill Caravan Park Soakaway
Hobbs Hill Caravan Park Drainage Field
Hobbs Hill Caravan Park Reed Bed
Hobbs Hill Caravan Park Wetland
Hobbs Hill Caravan Park Pond
Hobbs Hill Caravan Park Ditch
Hobbs Hill Caravan Park Hedge
Hobbs Hill Caravan Park Tree
Hobbs Hill Caravan Park Woodland
Hobbs Hill Caravan Park Scrub
Hobbs Hill Caravan Park Grassland
Hobbs Hill Caravan Park Arable
Hobbs Hill Caravan Park Pasture
Hobbs Hill Caravan Park Meadow
Hobbs Hill Caravan Park Orchard
Hobbs Hill Caravan Park Vineyard
Hobbs Hill Caravan Park Allotments
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Hobbs Hill Caravan Park Church
Hobbs Hill Caravan Park Chapel
Hobbs Hill Caravan Park School
Hobbs Hill Caravan Park Hospital
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Hobbs Hill Caravan Park Pharmacy
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Hobbs Hill Caravan Park Bank
Hobbs Hill Caravan Park Shop
Hobbs Hill Caravan Park Supermarket
Hobbs Hill Caravan Park Petrol Station
Hobbs Hill Caravan Park Car Park
Hobbs Hill Caravan Park Bus Stop
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Hobbs Hill Caravan Park Tram Stop
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Figure 8C.154

Figure 8C.155

Figure 8C.153

Figure 8C.152

Key

- Draft Order Limits
- Trees, Groups and Woodland potentially for removal
- Trees, Groups and Woodland potentially for removal - Unsurveyed
- Trees, Groups and Woodlands potentially for Pruning
- Category A - Retained
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- BVI Temporary Construction Compound
- DNO Connections LoD
- Pigging Compound Layout and LoD
- Permanent Access Road
- Trenchless Crossing Compound
- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Draft Environmental Statement
Arboricultural Impact Assessment

Figure 8C.153
Arboricultural Impacts Plan - Sheet 64 of 87

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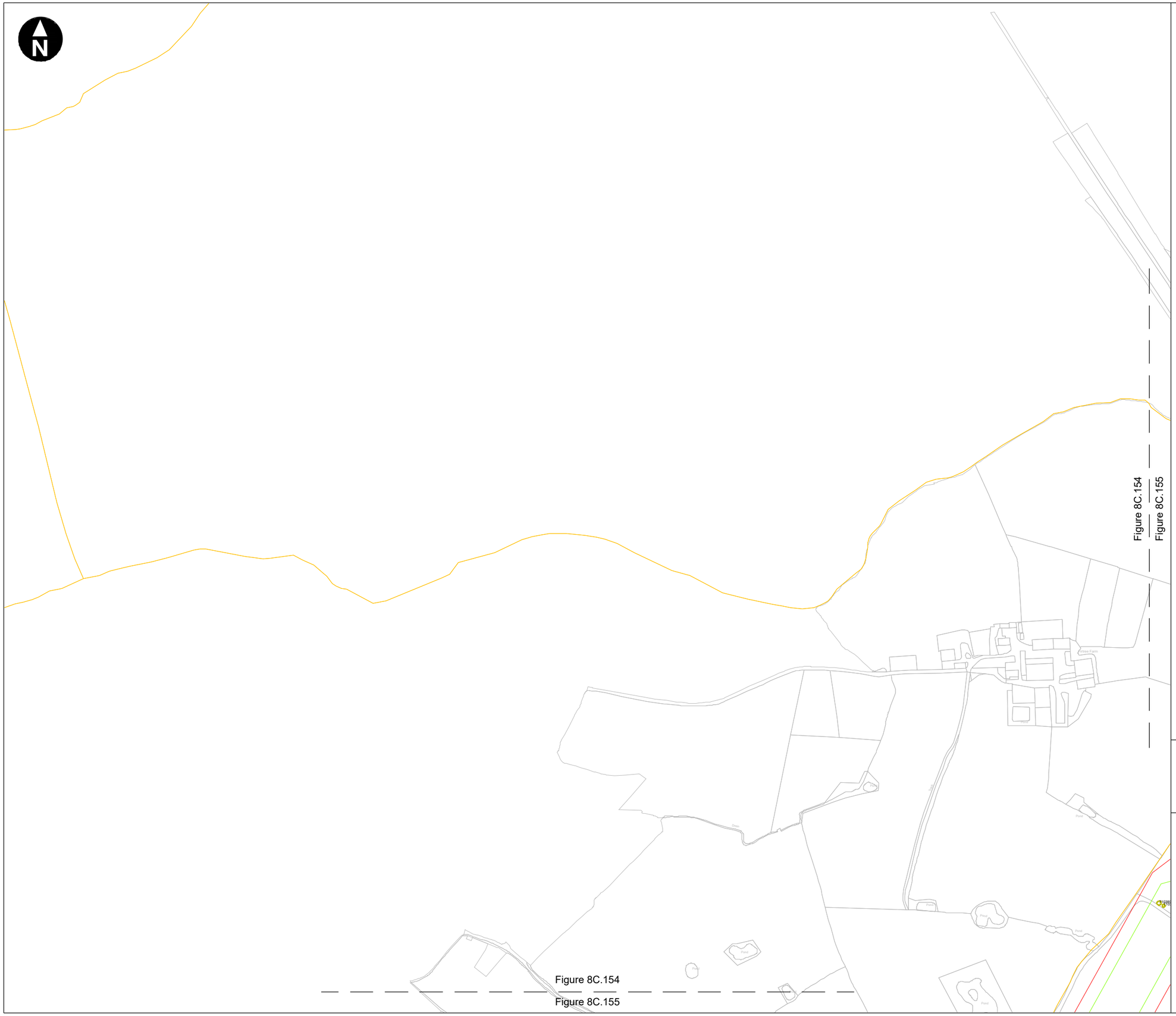

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Figure 8C.154

Figure 8C.155

Figure 8C.156

Figure 8C.155

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Figure 8C.155
Figure 8C.156
Figure 8C.157

Figure 8C.156

Figure 8C.157

Figure 8C.158

Figure 8C.157

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0 m 250 m

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Arboricultural Impact Assessment

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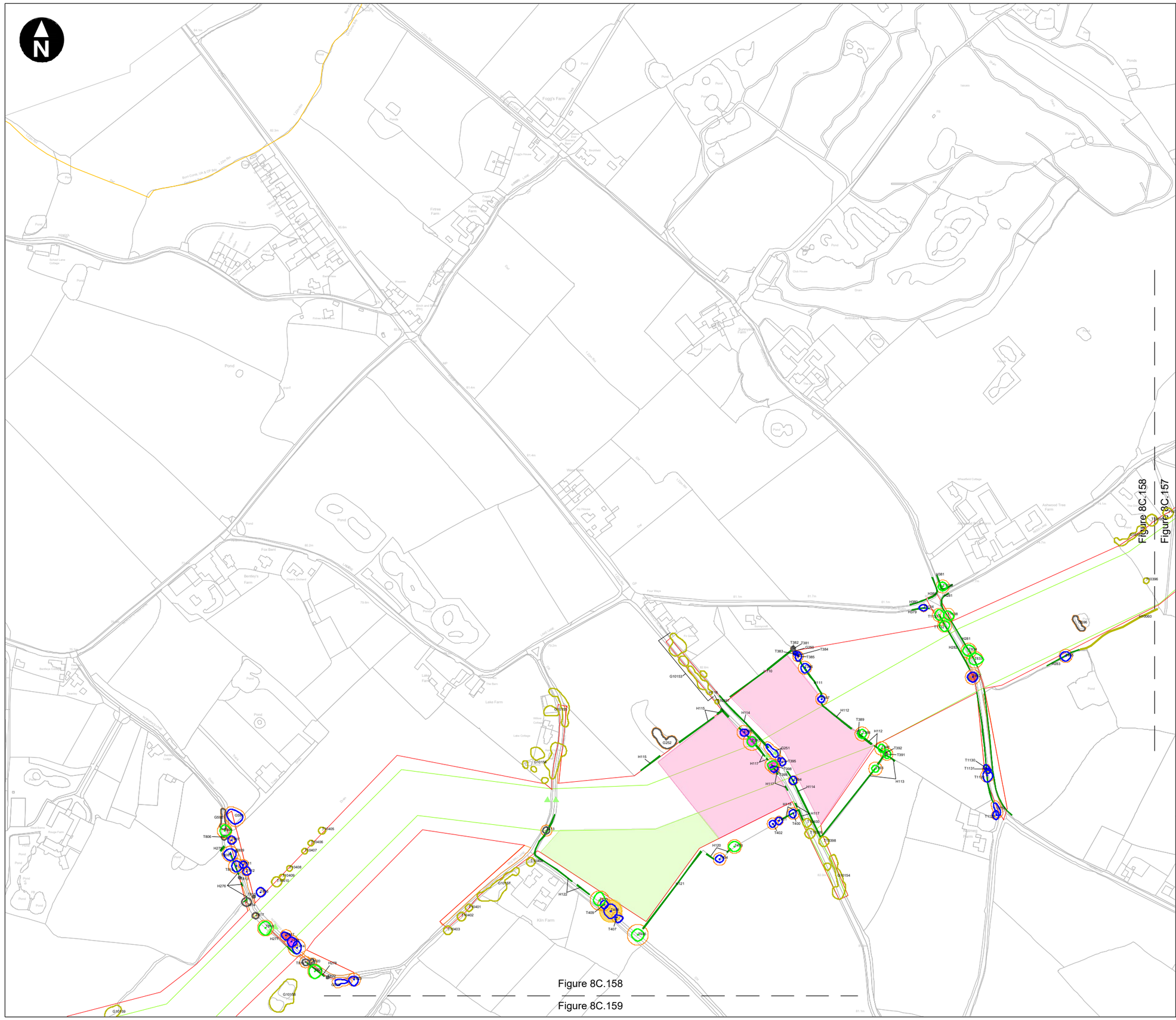

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Arboricultural Impact Assessment

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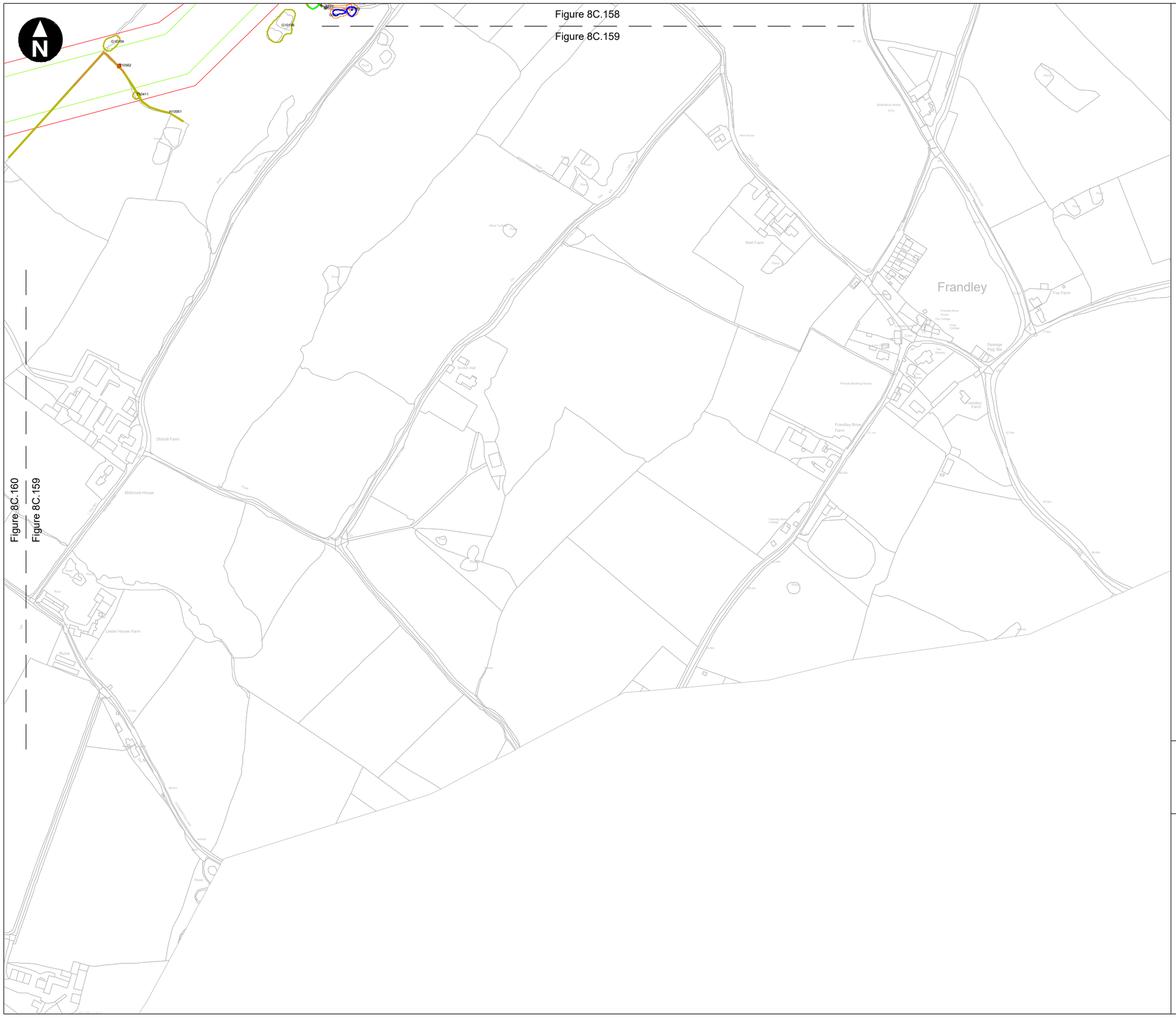

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Figure 8C.138
Figure 8C.160

Figure 8C.160
Figure 8C.159

Figure 8C.160
Figure 8C.161

Lower Whitley

Key

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0 m 250 m

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Arboricultural Impact Assessment

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Figure 8C.160

Figure 8C.161

Figure 8C.176

Figure 8C.161

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0 m 250 m

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Arboricultural Impact Assessment

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Figure 8C.163

Figure 8C.162

Key

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- Material Storage Area

0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.162
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wsp

Key

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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.163
Figure 8C.162
Figure 8C.163
Figure 8C.164

Figure 8C.163
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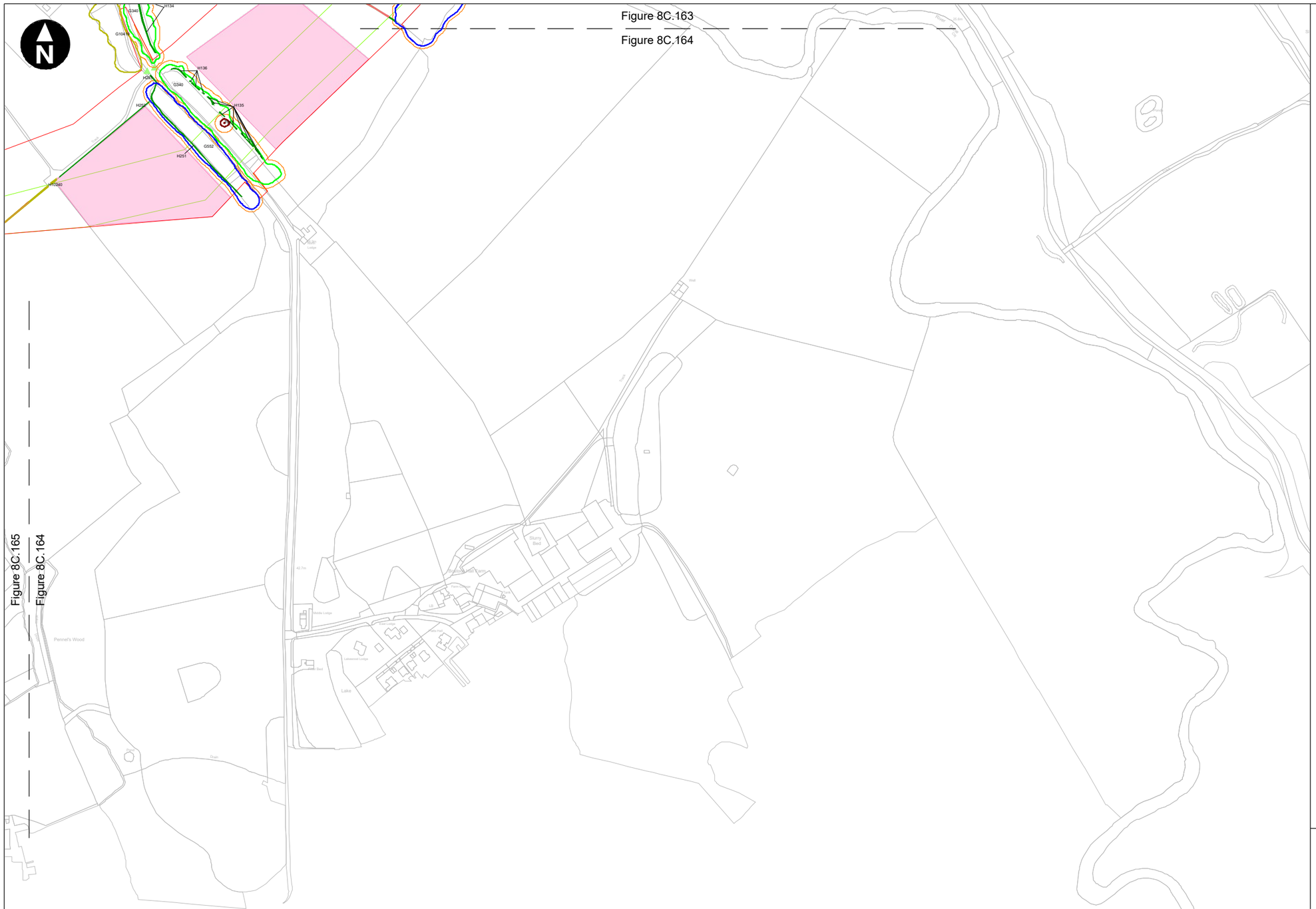
Figure 8C.165
Figure 8C.164



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0 m — 250 m

Scale 1:5,000 @ A3

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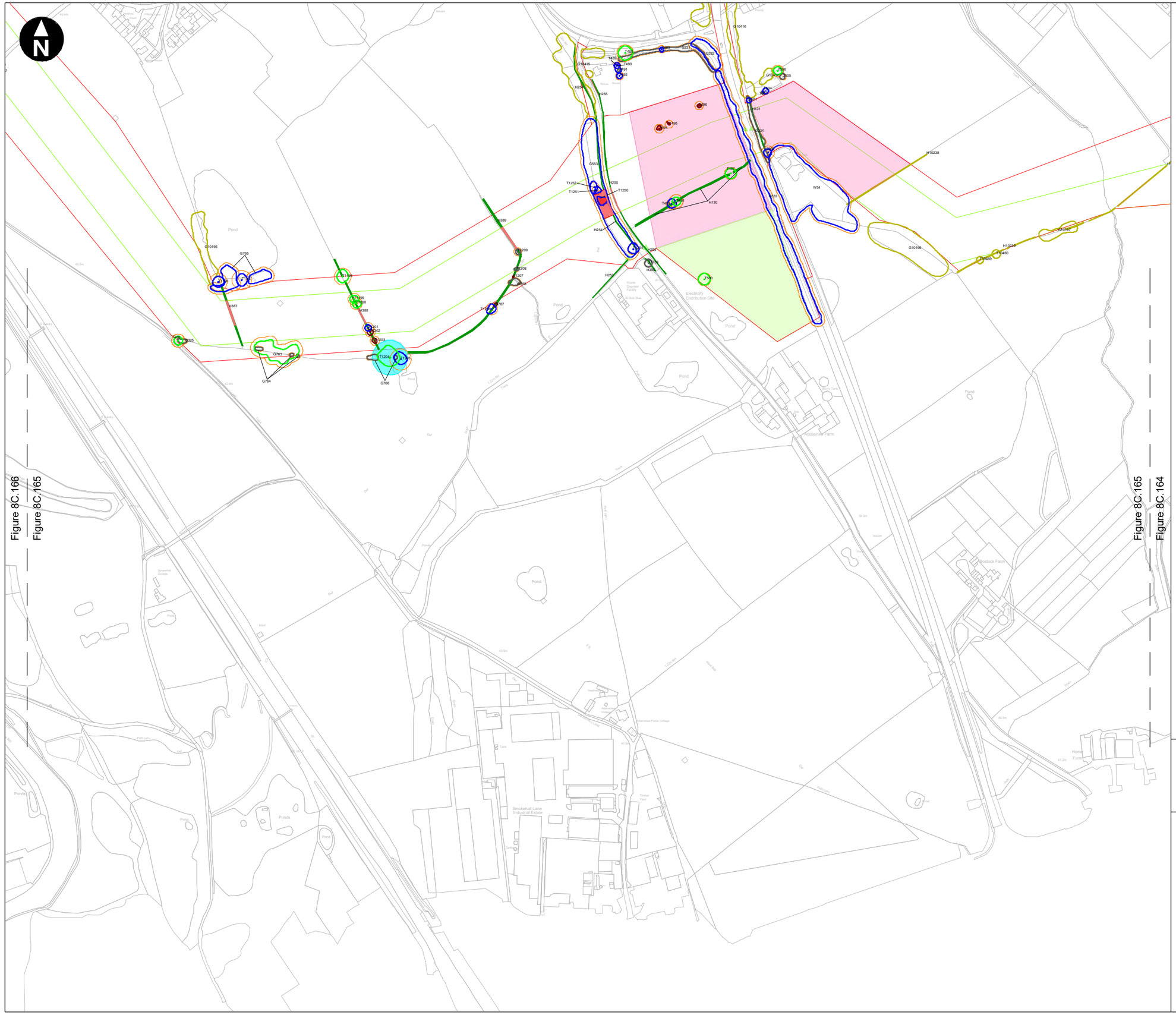

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Figure 8C.165
Arboricultural Impacts Plan - Sheet 76 of 87

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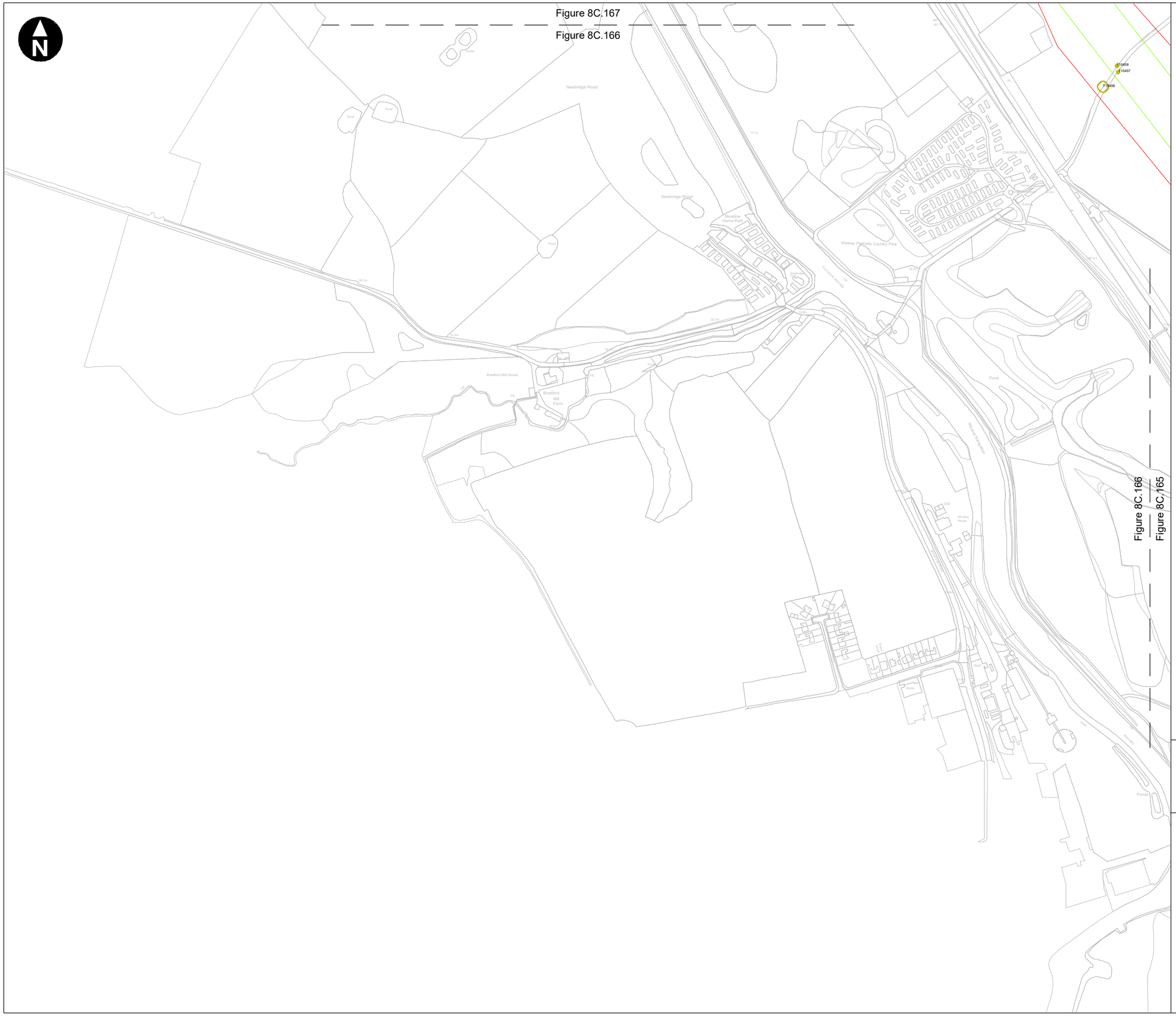

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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.166
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Figure 8C.168

Figure 8C.167

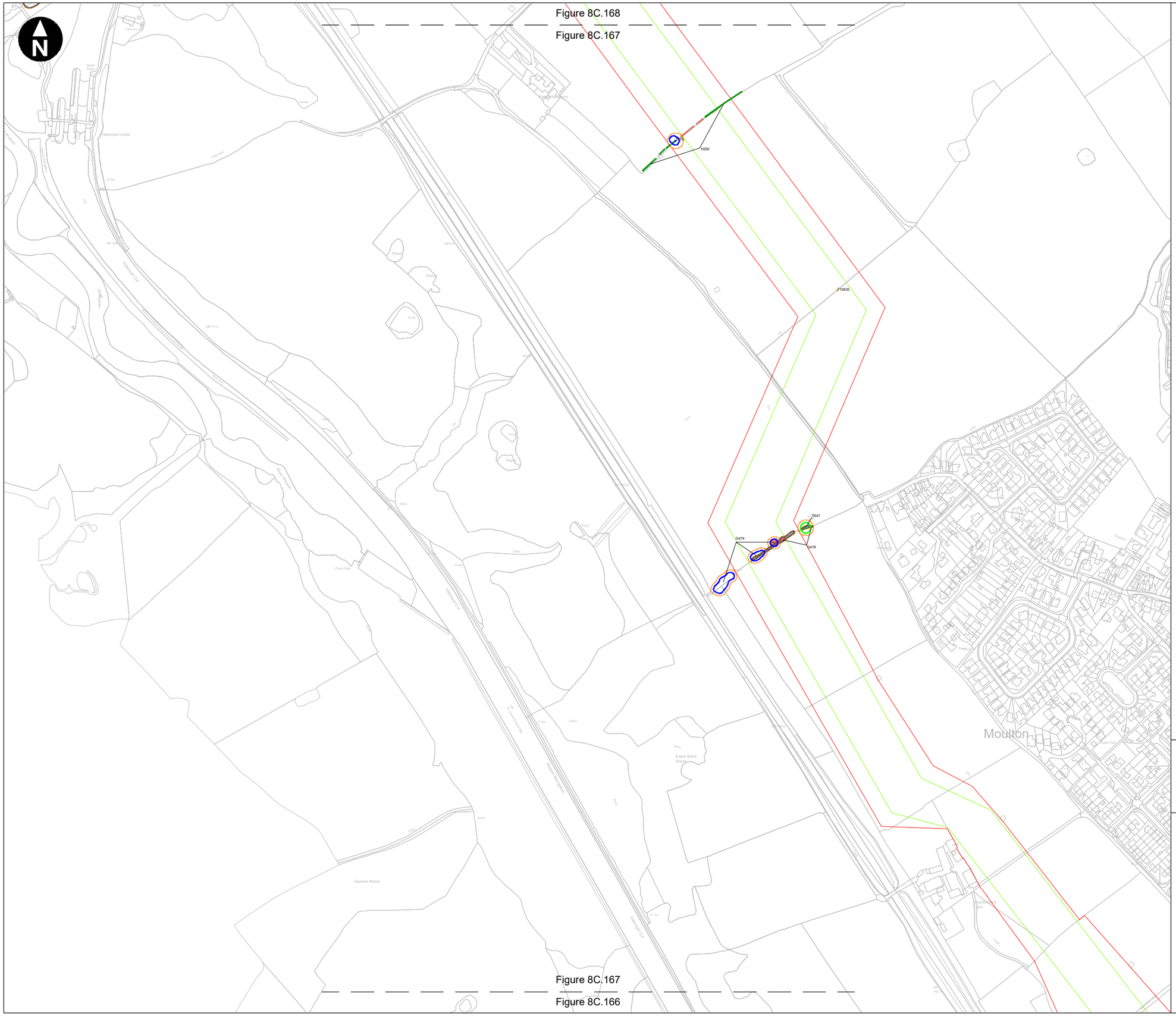

Figure 8C.167

Figure 8C.166

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0 m 250 m

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Figure 8C.169

Figure 8C.168

Figure 8C.168

Figure 8C.167

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0 m 250 m

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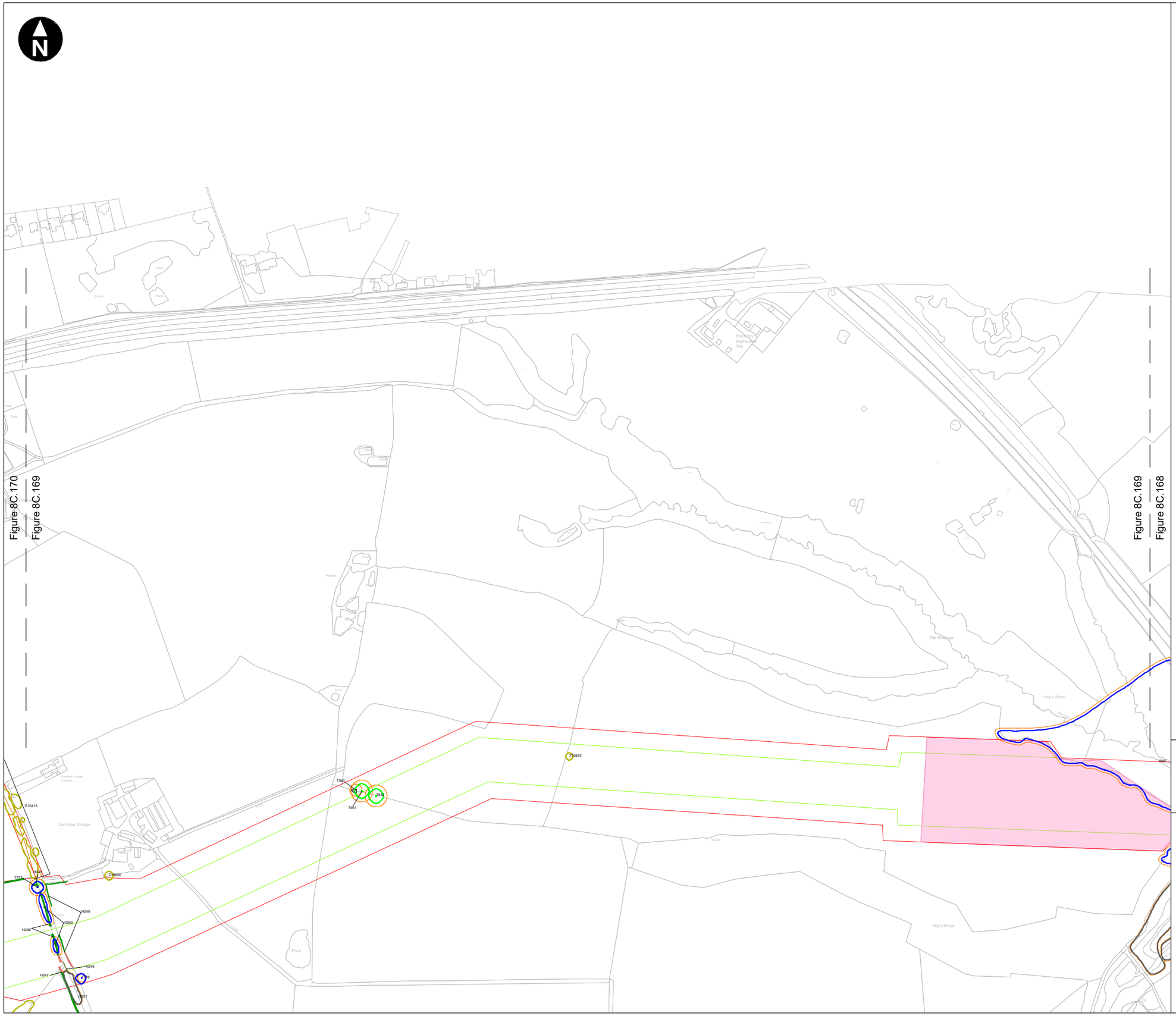

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Figure 8C.169
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Figure 8C.171

Figure 8C.170

Figure 8C.170

Figure 8C.169

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0 m 250 m

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Arboricultural Impacts Plan - Sheet 81 of 87

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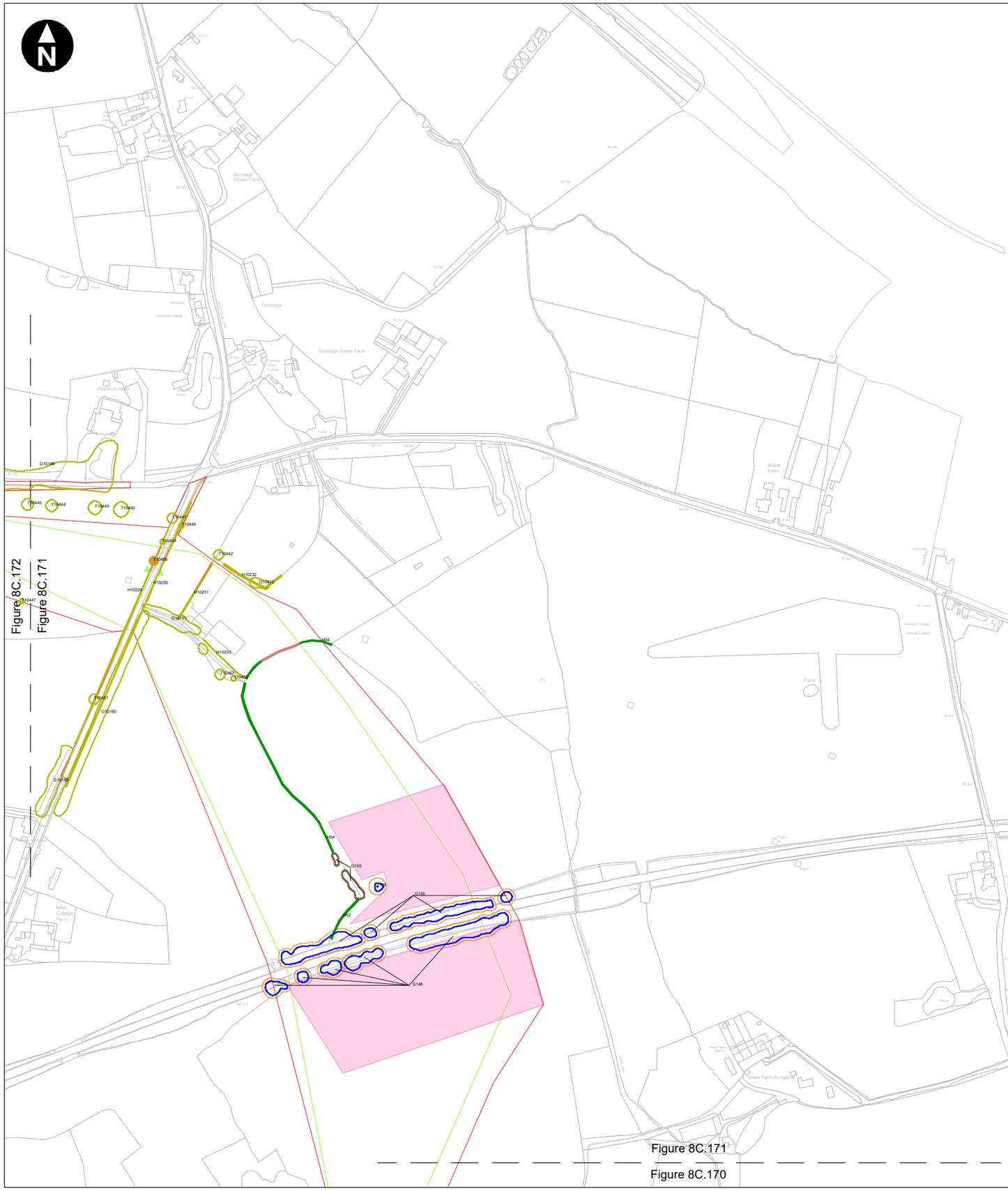

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0 m — 250 m

Scale 1:5,000 @ A3

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Figure 8C.173

Figure 8C.172

Figure 8C.172

Figure 8C.171

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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.172
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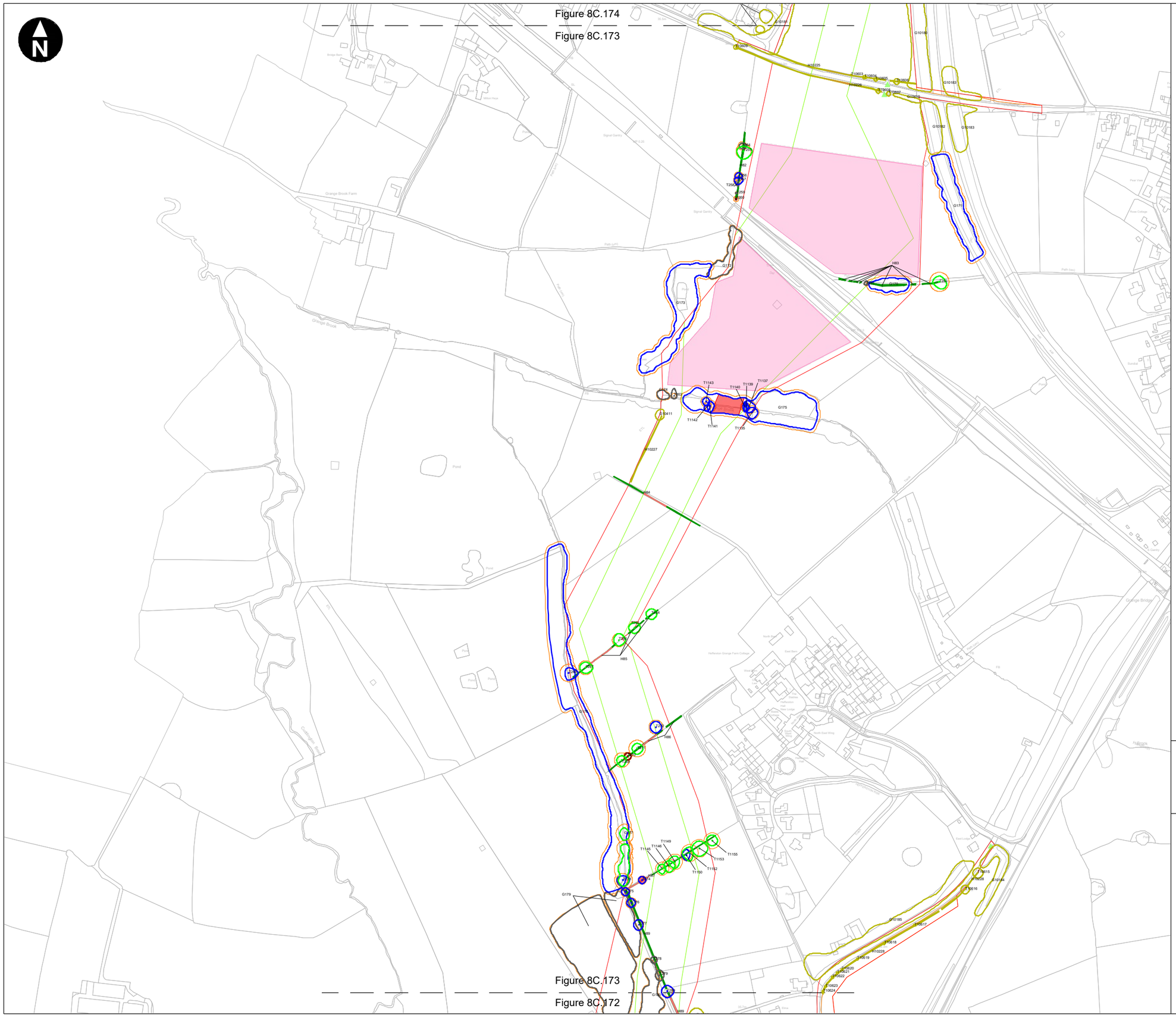

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0 m 250 m

Scale 1:5,000 @ A3

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Arboricultural Impact Assessment

Figure 8C.173
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Figure 8C.175

Figure 8C.174

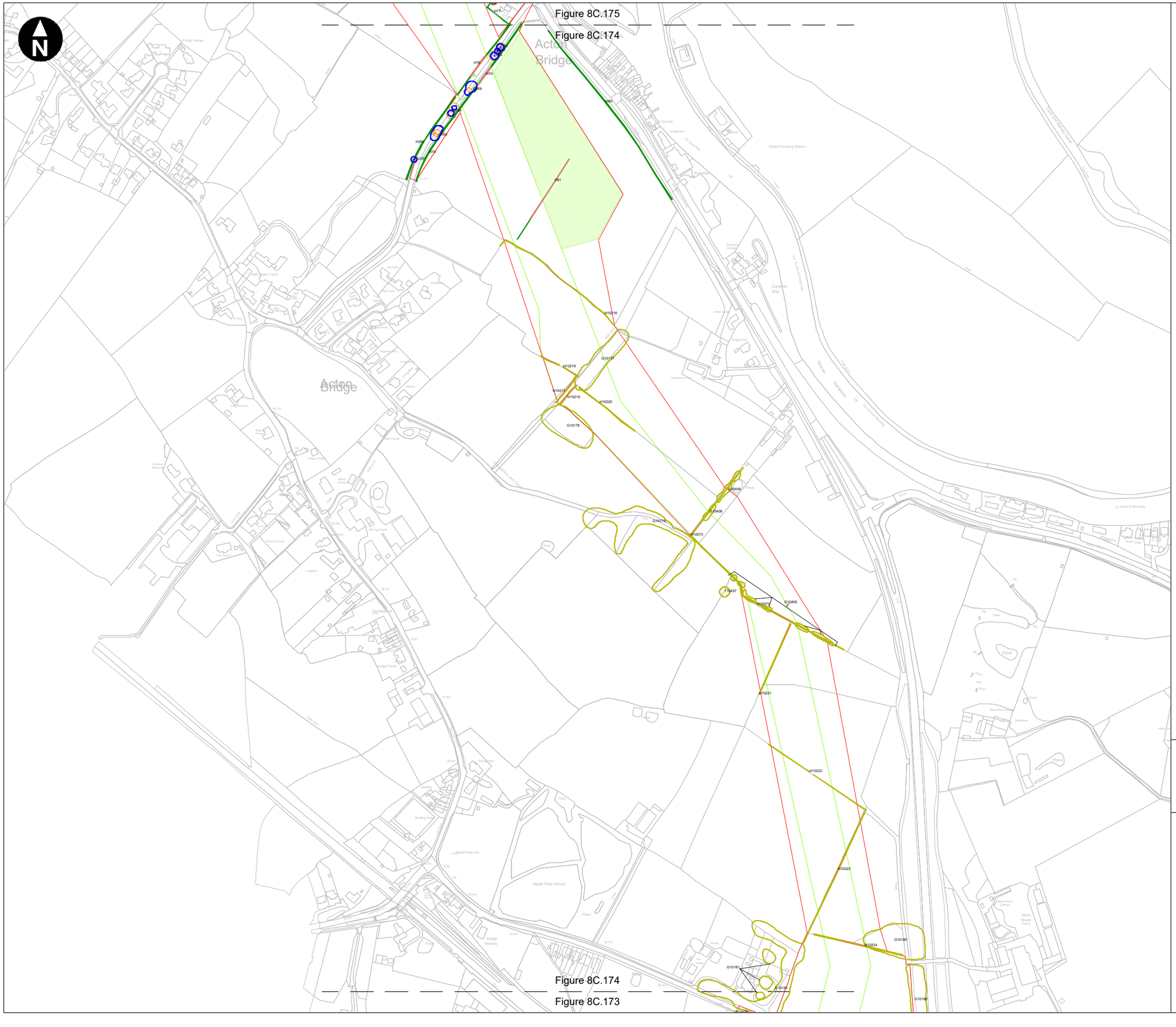

Figure 8C.174

Figure 8C.173

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0 m — 250 m

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Figure 8C.176
Figure 8C.175
Figure 8C.109
Figure 8C.175
Figure 8C.175
Figure 8C.174

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0 m 250 m

Scale 1:5,000 @ A3

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Figure 8C.138

Figure 8C.176

Figure 8C.108

Figure 8C.176

Figure 8C.161

Figure 8C.176

Figure 8C.175

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HyNet North West Hydrogen Pipeline

Delivering clean growth

Annex 8C3
Arboricultural Survey Data Sheets

ANNEX 8C3: Arboricultural Survey Data Sheets

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
Trees																	
T18	Pedunculate oak	17.0	4.0	1060	1	12.0	13.0	4.0	16.0	2.0	W	Mature	Good	Fully mature tree with Broad spreading crown. Suppressed on East Side by adjacent trees. Stone car park access on North side of stem but no visible signs of detriment to overall health.		A ,1, 2	Long
T20	Wild cherry	8.0	1.5	220	1	2.5	5.0	3.0	4.0	1.5	E	Middle Age	Good	Reasonable form but compromised location growing on the steep bridge bank. Northern Crown in contact with bridge.		C ,1	Long
T21	Silver birch	17.0	2.0	440	1	4.0	3.5	3.5	3.5	2.0	S	Middle Age	Good	Tall, narrow form for age and species. Main stem heavily ivy clad restricting inspection.		B ,1	Medium
T22	Pedunculate oak	11.0	0.5	744	2	8.0	8.0	7.0	10.0	1.0	W	Middle Age	Good	Good overall form with foliage to near ground level. Tight stem/branch union at 0.5m with included bark.		B ,1	Long
T23	Common apple	6.0	1.5	430	2	6.0	6.0	6.0	6.0	2.0	SW	Mature	Fair	Roughly valanced and domed crown arising from two helical stems that have fused together. Crown clearance over the road is circa 5m.		B ,1	Medium
T24	Pedunculate oak	14.0	1.0	688	3	7.0	6.0	10.0	8.0	2.5	N	Middle Age	Good	Vigorous tree rooted on kerb line of access road. Basally tri-stemmed but all rooted independently. Crown lifted over road to provide 6m clearance.		B ,1	Long
T25	Silver birch	14.0	1.5	380	1	5.0	4.5	5.0	5.0	2.5	N	Middle Age	Good	End tree in linear group along ditch and field edge. Good form and vigour. Failed tree lying in lower crown to South		B ,1, 2	Long
T26	Pedunculate oak	7.0	1.0	260	1	3.0	4.0	4.0	4.0	1.5	NW	Middle Age	Good	Vigorous tree rooted St top of steep bank. Good future potential.		B ,1	Long
T27	Horse chestnut	6.0	1.0	340	1	5.0	3.5	2.5	2.5	1.0	N	Middle Age	Poor	Bifurcate at 1m with Northern stem split, failed and lying in crown of tree to North		U	Short
T28	Horse chestnut	10.0	1.0	310	1	3.5	5.0	4.5	4.0	1.5	S	Middle Age	Fair	Multi stem union from 2m. Reduced vigour in Crown		C ,1, 2	Medium
T29	Pedunculate oak	7.0	1.0	280	1	4.0	5.0	5.0	5.0	1.5	SW	Middle Age	Good	Vigorous tree with good form and future potential.		B ,1	Long
T30	Leyland cypress	17.0	1.0	600	1	3.0	3.0	3.0	3.0	1.0	S	Middle Age	Good	Typical columnar form for species. Growing adjacent to Port Warrington security booth.		B ,1	Long
T31	Pedunculate oak	8.0	1.0	570	1	6.5	4.5	6.5	6.0	1.0	E	Middle Age	Fair	Squat, Broad Crown with shoot tip die back in upper crown. Rooted adjacent gravel track		B ,1	Long
T32	Downy birch	13.0	3.0	735	6	7.0	7.0	7.0	6.0	1.0	E	Mature	Fair	Unusual goblet shaped bole formed from a large multi-stemmed union at 0.5m. Minor shade deadwood.		B ,1	Medium
T33	Sycamore	21.0	5.0	1040	1	9.0	10.0	11.0	9.0	4.0	S	Mature	Good	Large, Broad Crown. Growing on woodland edge adjacent gravel track. No significant defects for size and age		A ,1, 2	Long
T34	Pedunculate oak	17.0	5.0	780	1	9.0	9.0	9.5	9.0	3.5	W	Mature	Fair	Large Broad crown with reduced vigour - no other visible defects to suggest reduction in vigour. Minor and moderate dead wood		B ,1, 2	Long
T35	Common ash	25.0	6.0	1000	1	12.0	10.5	11.0	12.0	5.0	SW	Mature	Good	Huge tree and crown adjacent rooted adjacent track. Broad, open canopy with minor and moderate dead wood with occasional shoot tip die back, possibly Ash dieback but too High to be conclusive. Old tree.		A ,2	Long
T36	Sycamore	16.0	3.0	860	1	6.0	9.0	9.0	10.0	3.0	W	Mature	Good	Well formed tree arising from a strong twin-stem union at 2m. Several small branch stubs but no major significant visible defects.		A ,1, 2	Long
T40	Turkey oak	7.0	2.0	120	1	1.5	2.0	1.5	1.5	2.0	S	Young	Good	Vigorous tree growing out of roadside hedge.		C ,1	Long
T41	Scots pine	7.0	0.5	372	2	6.0	5.5	6.0	5.0	0.5	S	Middle Age	Fair	Squat form for species due to low large stem/branch union.		C ,1	Long
T42	Turkey oak	4.0	0.5	80	1	1.5	1.5	1.5	1.5	0.5	W	Young	Good	Vigorous tree with balanced conical form.		C ,1	Long
T43	Pedunculate oak	7.0	1.5	240	1	4.5	4.5	3.5	3.5	2.5	S	Young	Good	Vigorous tree growing out of roadside hedge.		C ,1	Long
T44	Turkey oak	4.0	0.5	81	2	2.0	2.0	2.5	1.5	0.5	SE	Young	Good	Basally twin-stemmed with tight, fused union.		C ,1	Long
T45	Scots pine	7.0	0.5	370	1	5.5	5.5	5.5	5.5	0.5	S	Middle Age	Fair	One of multiple dispersed pine planted in field. Good form and future potential.		B ,1	Long
T46	Scots pine	7.0	0.5	446	2	5.0	5.0	5.0	5.0	0.5	E	Middle Age	Fair	Basally twin-stemmed with tight union. Good overall crown shape.		C ,1	Long
T47	Goat willow	7.0	1.0	310	1	4.0	4.0	4.0	4.0	0.5	NW	Middle Age	Good	Open grown tree with Good form and vigour		B ,1	Long
T48	Crack willow	10.0	1.0	450	1	6.0	6.0	6.0	6.0	1.0	NW	Middle Age	Good	Open grown tree with Good form and vigour although located in dense patch of reeds. Occasional giant hogweed around tree		B ,1	Long
T49	Elder	5.0	0.5	210	1	2.5	2.0	2.5	2.0	0.5	N	Middle Age	Fair	Self set tree, slightly reduced vigour		C ,3	Medium
T50	White willow	16.0	1.0	529	7	6.0	8.0	6.5	6.0	1.0	E	Mature	Good	Multi stemmed at base. Broad Crown with no significant defects		B ,1, 2	Long
T51	Goat willow	7.0	0.5	320	1	3.0	7.0	5.0	4.5	0.5	N	Mature	Good	Broad round crown to ground. Stem leans and is weighted South East. Good vigour		B ,1	Medium
T52	Goat willow	5.0	1.0	190	1	3.5	3.5	4.0	3.0	0.5	SE	Middle Age	Fair	Self set establishing tree. Round crown		C ,1	Long
T53	Goat willow	7.0	0.5	441	6	5.0	5.0	6.0	5.5	0.5	S	Middle Age	Good	Multi stemmed tree, more than likely one older failed tree with new harp growth		B ,1	Long
T54	Goat willow	4.0	0.5	140	1	4.0	4.0	4.0	4.0	0.5	N	Middle Age	Poor	Dense round crown with reduced vigour and yellow leaves		C ,3	Medium

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T55	Common hawthorn	5.0	0.5	405	4	3.5	4.0	5.0	8.0	0.5	E	Mature	Fair	Basally twin-stemmed, breaking again at 0.5m. The Western two stems have partially failed and lie at a 45 degree angle. An old Ganoderma bracket us present St the base of the failed stem. Bramble present throughout crown.		C ,1	Long
T56	Silver birch	10.0	1.0	390	1	3.5	4.5	4.0	5.0	1.5	SW	Middle Age	Good	Excellent firm with attractive pendulous foliage. Growing from the side of a stone retaining wall with stilt roots to ground.		B ,1	Long
T57	Sycamore	7.0	1.0	180	1	3.0	3.5	4.0	2.5	0.5	W	Middle Age	Fair	Self set now establishing tree. Heavy mast and vigorous tar spot		C ,1	Long
T58	Goat willow	6.0	0.5	349	15	5.0	4.0	5.0	5.0	0.5	E	Middle Age	Good	Typical multi-stemmed form for species.		C ,1	Long
T59	Italian alder	4.0	1.0	122	2	2.5	2.0	2.5	2.0	0.5	S	Young	Good	Basally twin-stemmed with tight fork.		C ,1	Long
T60	Goat willow	5.0	0.5	269	6	3.0	3.0	4.0	3.0	0.5	S	Middle Age	Fair	Typical multi-stemmed form for species. Tight stem union.		C ,1	Long
T61	Goat willow	6.0	2.5	257	3	3.0	3.0	3.5	3.0	2.0	SE	Middle Age	Fair	Typical multi-stemmed form for species. Tight stem union.		C ,1	Long
T64	Common hawthorn	7.0	0.5	250	1	3.0	3.0	3.0	3.0	1.0	N	Middle Age	Good	In dense vegetation. Limited inspection		C ,1	Long
T68	Common ash	20.0	6.0	980	1	7.0	10.0	10.0	6.5	4.0	W	Mature	Poor	Very large nearly standing dead ash over footpath	remove	U	Very Short
T70	Common beech	13.0	5.0	670	1	8.0	4.0	6.0	6.5	5.0	N	Mature	Fair	Crown weights North due to former (now failed) tree to South. Slightly reduced vigour. Ivy clad stem		B ,1, 2	Long
T71	Common beech	6.0	5.0	610	1	1.5	1.5	1.5	1.5	4.0	N	Middle Age	Dead	Standing dead ivy covered monolith		U	Very Short
T72	Common lime	10.0	4.0	390	1	5.0	4.5	4.0	4.0	3.5	S	Middle Age	Good	Good form and vigour. Cables through crown. No significant defects		B ,1, 2	Long
T73	Common ash	10.0	5.0	306	2	3.5	1.0	4.0	3.5	4.0	S	Middle Age	Fair	Reduced vigour due to ash dieback. Cables through crown		C ,2	Medium
T74	Pedunculate oak	10.0	5.0	270	1	1.0	4.0	3.0	4.5	3.0	S	Middle Age	Fair	Asymmetric crown suppressed to North due to adjacent Ash.		C ,1, 2	Long
T76	Common beech	13.0	5.0	440	1	4.5	3.5	6.5	4.0	3.5	W	Middle Age	Fair	Crown grows over adjacent road. Slightly reduced vigour. Dead wood hangers in crown		B ,2	Long
T77	Common beech	14.0	8.0	550	1	5.0	5.0	4.0	6.5	6.5	W	Middle Age	Fair	Crown grows over adjacent road. Reduced vigour. Dead wood hangers in crown. Large branch failure over road (now cleared)		C ,2	Medium
T78	Common ash	10.0	1.5	630	1	5.0	8.0	5.0	5.0	2.5	NE	Mature	Fair	Growing on drainage ditch bank. Two large vasal shouts now forming lower crown. Minor shoot tip dieback indicative of Chalara ash dieback disease but not confirmed. Ivy clad stem and scaffold limbs. Prominent in local landscape due to the lack of surrounding trees.		B ,1, 2	Medium
T79	Common ash	8.0	2.0	413	3	5.0	4.0	5.0	5.0	3.0	NE	Middle Age	Fair	Basally multi-stemmed. Minor shoot tip dieback indicative of Chalara ash dieback disease but not confirmed.		C ,1	Medium
T80	Sycamore	9.0	2.0	720	9	6.0	7.0	7.0	6.0	2.5	E	Middle Age	Good	Basally multi-stemmed, possibly two trees but forming a single sinuous crown. Natural bracing present in Crown. Foliage lifted on north side over access track.		B ,1	Long
T81	Common lime	15.0	5.0	740	1	6.0	5.0	8.0	5.0	5.0	W	Mature	Good	Directly adjacent road. Very dense established suckers around base. Good upper crown vigour but slightly weighted east over road		B ,1, 2	Long
T82	Pedunculate oak	7.0	2.0	410	1	5.0	5.0	4.5	4.5	2.0	E	Middle Age	Good	Slightly fluted form due to flailing if lower branches but no significant visible defects. Growing on bank if shallow drainage ditch.		B ,1	Long
T83	Pedunculate oak	7.0	2.0	559	2	5.0	5.0	4.5	5.0	1.5	SE	Middle Age	Good	Slightly fluted form due to flailing if lower branches but no significant visible defects. Growing on bank if shallow drainage ditch. Basally twin-stemmed which fuse at 1m.		B ,1	Long
T84	Pedunculate oak	7.0	3.0	537	2	6.0	5.5	7.0	2.5	2.0	E	Middle Age	Good	Slightly fluted form due to flailing if lower branches but no significant visible defects. Growing on bank if shallow drainage ditch. Twin-stem union at 1.3m.		B ,1	Long
T85	Pedunculate oak	7.0	3.0	529	7	6.0	6.5	4.0	7.0	2.0	N	Middle Age	Good	Slightly fluted form due to flailing if lower branches but no significant visible defects. Growing on bank if shallow drainage ditch. Twin-stem union at 1.3m.		B ,1	Long
T86	Sycamore	9.0	0.0	540	9	4.0	4.0	6.0	5.0	0.5	E	Middle Age	Fair	Basally multi-stemmed, possibly more than one tree but forming a single sinuous crown. Flailed on North and Western sides leaving tear stubs. Growing on bank of shallow ditch. Ground ploughed to within 3m on North side.		C ,1	Long
T87	Sycamore	9.0	0.0	506	10	4.0	4.0	6.0	5.0	0.5	SW	Middle Age	Fair	Basally multi-stemmed, possibly more than one tree but forming a single sinuous crown. Flailed on North and Western sides leaving tear stubs. Growing on bank of shallow ditch. Ground ploughed to within 3m on North side.		C ,1	Long
T88	Pedunculate oak	13.0	1.0	580	1	6.0	5.0	7.0	5.0	2.0	S	Mature	Good	Dense round crown to ground. Gnarly upper branch network. Good vigour		B ,1, 3	Long
T91	Common hawthorn	5.0	0.5	320	1	4.0	4.0	4.0	4.0	0.5	N	Mature	Fair	Multi stemmed from 0.5m. Reduced vigour in Broad, low crown. In dense bramble		C ,1	Medium
T92	Common ash	8.0	4.0	390	1	4.0	5.0	4.0	4.0	4.0	W	Middle Age	Fair	Good form and prominent location next to motorway. Shoot tip dieback indicative of early Chalara ash dieback infection.		C ,1	Short

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T93	Common ash	9.0	1.0	396	8	6.0	6.5	4.5	5.0	1.5	S	Middle Age	Fair	Basally multi-stemmed, growing in shallow bank. Minor shoot tip dieback indicative of Chalara ash dieback infection, otherwise with lush foliage.		C ,1	Medium
T95	Pedunculate oak	5.0	2.0	220	1	3.0	3.0	3.0	3.0	2.0	W	Middle Age	Good	Small hedgerow tree. Bifurcate at 2m with good union. Some minor stem wounds.		B ,1	Long
T96	Pedunculate oak	6.0	2.0	290	1	5.5	5.0	4.5	4.5	2.0	W	Middle Age	Good	Hedgerow tree. Some flail damage to north and south. Quite dense crown. Some minor dead wood.		B ,1	Long
T97	Pedunculate oak	5.0	2.0	300	1	4.0	3.0	4.0	3.5	2.0	W	Middle Age	Good	Small hedgerow tree. Some flail damage to south. Small broken branches and dead wood.		B ,1	Long
T98	Pedunculate oak	5.0	2.0	190	1	3.0	3.0	3.0	3.0	2.0	W	Middle Age	Fair	Small hedgerow tree. Some flail damage to north and South. Small broken branches and dead wood.		C ,1	Medium
T99	Pedunculate oak	5.0	2.0	210	1	3.5	2.5	4.0	2.0	2.0	E	Middle Age	Fair	Small hedgerow tree. Some flail damage to north with numerous split branches and decay. Small broken branches and dead wood. Crooked stem.		C ,1	Medium
T100	Pedunculate oak	7.0	2.0	330	1	5.0	5.0	5.0	5.0	2.0	W	Middle Age	Good	Well established hedgerow tree. Some flail damage to north with split branches. Minor dead wood in crown. Even canopy.		B ,1, 2	Long
T101	Pedunculate oak	7.0	2.0	417	2	5.0	5.0	5.0	4.0	2.0	S	Middle Age	Good	Well established hedgerow tree. Bifurcate from base. Some flail damage to north with split branches. Minor dead wood in crown. Even canopy but rather congested.		B ,1, 2	Long
T102	Common apple	6.0	1.5	496	5	4.0	5.0	7.0	4.0	1.0	E	Middle Age	Good	Fruit tree in rear garden. Unable to access. Multi-stemmed form. Good vigour.		B ,1, 2, 3	Long
T103	Norway spruce	7.0	1.5	290	1	3.0	3.0	3.0	3.0	1.5	N	Middle Age	Fair	Typical form. Growing in rear garden and unable to access.		C ,2	Medium
T104	Pedunculate oak	9.0	2.0	600	1	6.0	8.5	7.0	8.0	2.0	S	Middle Age	Fair	Large hedgerow tree. Ditch to west. Very dense ivy on main stem and into crown. Several large dead limbs. Broken branches and stubs.		B ,1, 2	Long
T105	Common ash	9.0	2.0	618	2	7.0	8.0	7.0	6.0	2.0	W	Mature	Poor	Moribund tree. Ditch to west. Ivy on main stem.		U	Very Short
T106	Common ash	7.0	1.5	189	2	3.5	2.5	2.0	2.0	1.0	S	Middle Age	Poor	Upright hedgerow tree. Ditch to west. Major ash dieback, up to 75% canopy affected. Some flail damage to lower canopy.		C ,3	Very Short
T114	Common ash	10.0	2.5	850	1	6.5	8.0	7.0	8.0	2.0	SW	Mature	Fair	Roadside hedgerow tree on field boundary; Chalara ash dieback disease symptoms; reasonable health overall; some small diameter deadwood posing low risk.		B ,1	Medium
T115	Common ash	8.0	3.0	600	1	5.0	5.0	5.5	6.0	3.0	W	Middle Age	Poor	Roadside hedgerow tree on field boundary; advanced Chalara ash dieback disease symptoms.	Fell, retaining lower trunknto height of hedgerow.	C ,1	Short
T116	Common ash	12.0	3.0	780	1	8.0	9.0	7.0	9.0	3.0	SW	Mature	Fair	Roadside hedgerow tree on field boundary; Chalara ash dieback disease symptoms; reasonable health overall; some small diameter deadwood, low risk.		B ,1	Medium
T117	Pedunculate oak	6.0	2.0	280	1	4.5	3.5	3.5	4.0	2.5	SW	Middle Age	Good	Successional tree in roadside hedgerow; healthy.		C ,1	Long
T118	Pedunculate oak	7.0	2.0	300	1	4.0	3.5	3.0	4.0	2.5	W	Middle Age	Good	Successional tree in roadside hedgerow; reduced vigour but healthy overall.		C ,1	Long
T119	Pedunculate oak	9.0	4.0	360	1	5.0	6.0	3.0	5.0	3.5	N	Middle Age	Good	Successional tree in roadside hedgerow; healthy; wound at main bifurcation to west, occluding well; bark included junction at main bifurcation, stable with evidence of response growth.		C ,1	Long
T120	Pedunculate oak	7.0	3.5	280	1	6.0	2.5	2.5	5.5	3.5	N	Middle Age	Good	Successional tree planted in roadside hedgerow, tree stake still present; lower branches broken off mechanically to provide ground clearance, flailed stubs remaining; healthy.		C ,1	Long
T121	Pedunculate oak	12.0	2.0	450	1	6.0	5.5	6.0	6.0	3.0	W	Middle Age	Good	Roadside hedgerow tree; reasonably well balanced form, slightly suppressed to north-east; healthy.		B ,1	Long
T122	Pedunculate oak	8.0	2.5	280	1	4.0	3.0	1.0	4.5	3.0	W	Middle Age	Good	Successional tree in roadside hedgerow, healthy.		C ,1	Long
T123	Common ash	10.0	4.0	650	1	8.0	4.5	7.0	6.0	3.0	N	Middle Age	Good	Some bare shoots tips and twigs, likely Chalara ash dieback disease; healthy overall.		B ,1	Long
T142	Pedunculate oak	8.0	1.0	530	1	6.0	9.0	7.0	7.0	0.5	SE	Middle Age	Good	Growing on carriageway embankment with squat form. Slight crown bias south.		B ,1	Long
T143	Pedunculate oak	8.0	1.0	400	1	6.0	7.0	5.0	6.0	2.5	SE	Middle Age	Good	Growing on carriageway embankment. Barbed wire included unto stem. Slight crown bias south.		B ,1	Long
T144	Pedunculate oak	8.0	1.0	530	1	6.0	9.0	6.0	7.0	0.5	S	Middle Age	Good	Growing on carriageway embankment with squat form. Slight crown bias south.		B ,1	Long
T145	Sycamore	4.0	1.5	230	1	4.0	4.0	4.0	5.0	2.0	E	Middle Age	Fair	Squat form due to previous loss of main leader. Soil disturbance/deposition under canopy associated with quarry and field access track. Heavy tar soot infection.		C ,1	Long
T146	Sycamore	8.0	2.5	375	2	5.0	4.0	5.0	5.0	1.5	NE	Middle Age	Fair	Basally twin-stemmed. Typical form and condition for age. Western stem heavily ivy clad.		C ,1	Long
T147	Scots pine	6.0	2.0	440	1	4.0	6.0	4.0	4.0	2.5	SE	Middle Age	Good	Squat firm for age with canopy bias South towards carriageway, possibly dud to pruning due to LV power line.		C ,1	Long
T148	Sycamore	8.0	1.5	420	1	4.0	6.0	4.0	6.0	1.5	W	Middle Age	Good	Vigorous tree with Good future potential. Lightly ivy clad boke.		C ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T149	Scots pine	8.0	1.0	370	1	4.0	6.0	4.0	6.0	1.5	SW	Middle Age	Good	Upright firm due to adjacent trees. Ash growing very close to stem on Eastern side.		C ,1	Long
T150	Sycamore	8.0	2.0	260	1	4.0	5.0	3.0	4.0	1.5	N	Middle Age	Good	Vigorous tree with Good future potential. Lightly ivy clad boke.		C ,1	Long
T151	Common ash	8.0	2.0	190	1	3.0	2.0	2.0	1.5	2.0	S	Middle Age	Poor	Dieback in upper crown likely to be attributed to Chalara ash dieback extent. Exact extent of infection difficult to determine due to season.		C ,1	Short
T152	Common ash	6.0	2.5	160	1	3.0	3.0	3.0	3.0	2.5	SW	Middle Age	Good	Vigorous tree with Good future potential. No signs of foliar ill health.		C ,1	Long
T153	Scots pine	8.0	1.5	330	1	3.0	4.0	4.0	4.0	2.0	SW	Middle Age	Good	Good form and condition. LV powerline running through Southern canopy.		C ,1	Long
T154	Scots pine	8.0	2.0	350	1	4.0	4.0	4.0	4.5	2.5	W	Middle Age	Good	Good form and condition. LV powerline running through Southern canopy.		C ,1	Long
T155	Scots pine	8.0	2.0	280	1	3.0	3.5	3.0	2.5	3.0	W	Middle Age	Good	Good form and condition. LV powerline running through Southern canopy.		C ,1	Long
T156	Scots pine	10.0	2.5	360	1	3.0	3.0	3.0	3.0	2.5	W	Middle Age	Good	Good form and condition. LV powerline running through northern canopy.		C ,1	Long
T157	Scots pine	10.0	2.5	270	1	3.0	3.0	4.0	1.5	2.5	NE	Middle Age	Good	Slightly asymmetric firm due to adjacent pine. LV powerline running through northern canopy.		C ,1	Long
T158	Grey willow	5.0	0.0	441	6	5.5	4.0	5.0	5.0	0.5	W	Middle Age	Fair	Typical rounded shrubby form for species. Rooted on quarry access embankment with slight canopy bias north. Broken branches on western side adjacent to track.		C ,1	Medium
T159	Common hawthorn	4.0	0.5	171	6	2.0	2.0	2.0	1.5	0.5	E	Middle Age	Good	Attractive compact crown. Congested central stems typical for species.		B ,1	Long
T160	Common hawthorn	4.0	0.5	280	1	3.0	3.5	3.0	2.5	0.5	E	Middle Age	Good	Well formed rounded crown. Lower branches pruned on western side adjacent to quarry access track.		B ,1	Long
T161	Downy birch	9.0	0.5	360	1	4.0	5.0	5.0	2.5	1.5	S	Mature	Good	Good form and overall condition. Lower Western branches pruned back from adjacent quarry access track.		B ,1	Medium
T162	Downy birch	7.0	0.5	330	1	4.0	4.5	4.0	3.0	2.5	N	Mature	Fair	Squat form and poor central union due to previous powerline clearance pruning.		B ,1	Medium
T163	Sycamore	11.0	2.0	520	1	5.0	6.0	6.0	6.0	2.0	W	Middle Age	Good	Tree within field adjacent to hedge and pavement. Canopy overhangs pavement but not road on North side. Canopy clearance over pavement is c. 3.5m. Bifurcate at c. 2.5m. 1 piece of moderate deadwood in mid-canopy close to path. No major defects noted.	Remove deadwood limb near path.	B ,1	Long
T164	Common alder	5.0	1.5	170	1	1.5	1.5	1.5	1.5	1.5	W	Middle Age	Poor	Small leaf size and reduced canopy density indicative of low vigour.		C ,1	Short
T165	Downy birch	8.0	0.5	474	2	4.0	5.0	4.0	3.0	1.5	SW	Mature	Good	Twin-stemmed union at 0.5m. Southern stem topped at 4m to provide powerline clearance, now with bushy regrowth.		B ,1	Medium
T166	Scots pine	11.0	6.0	400	1	3.5	3.0	3.5	3.0	6.0	W	Middle Age	Good	Garden tree with good form and vigour		B ,1	Long
T167	Sycamore	10.0	2.0	540	1	6.0	6.0	6.0	6.0	2.0	W	Middle Age	Good	Tree within field boundary hedge adjacent to pavement and farm access. Canopy overhangs pavement. Canopy clearance over pavement is c. 3.5m. Bifurcate at c. 2m with a tight union. Rounded and attractive canopy form. No major defects noted.		B ,1	Long
T168	Sycamore	11.0	2.0	750	1	5.0	5.0	5.0	5.0	2.0	NW	Mature	Good	Tree within field boundary hedge adjacent to small country road. Heavily ivy clad. Telephone wires running through canopy. Rounded canopy and attractive form. Inspection restricted by dense ivy. Appears healthy and in good condition.		A ,1	Long
T170	Pedunculate oak	7.0	1.5	367	6	6.0	7.0	6.0	6.0	1.0	SE	Middle Age	Fair	Multi-stemmed union at 1m giving rise to a well firmed crown. Drainage ditch filled with standing water immediately adjacent to stem on south-western side; thought to be recently created as part of quarry restoration work. Epicormic shoot growth along all branches in a likely reaction to the ditch creation.		C ,1	Medium
T171	Pedunculate oak	12.0	2.5	900	1	7.0	6.5	7.0	6.0	2.5	S	Mature	Good	Tree within field boundary hedge adjacent to small country road and opposite farm and residential properties. Heavily ivy clad. Electricity wires running through canopy. Inspection restricted by dense ivy. Moderate deadwood, but otherwise appears healthy and in good condition. Crown lifted previously.		A ,1	Long
T172	Pedunculate oak	17.0	2.5	900	1	8.5	6.5	8.0	7.5	2.5	N	Mature	Fair	Tree within field boundary hedge adjacent to small country road. Heavily ivy clad. Inspection restricted by dense ivy. Moderate deadwood and small amount of major deadwood. Some minor tip dieback evident. Crown lifted previously. Southern canopy suppressed and merging with adjacent oak tree to create one canopy form.		A ,2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T174	Pedunculate oak	17.0	2.5	800	1	5.0	8.5	3.0	7.5	2.5	S	Mature	Fair	Tree within field boundary hedge adjacent to small country road. Heavily ivy clad. Inspection restricted by dense ivy. Moderate deadwood. Crown lifted previously. Northern canopy suppressed and merging with adjacent oak tree to create one canopy form. Previously trifurcate at c. 3 5m, but easternmost stem has failed leaving a large tearing wound and stub and a large canopy gap on east side. Cavity/woodpecker hole at end on torn stem stub with bat potential.		B ,2, 3	Medium
T177	Black locust	17.0	2.0	600	1	6.0	6.0	6.0	6.0	2.0	W	Middle Age	Good	Tree within garden adjacent to field. Stem removed previously on lower main stem which bifurcates at c. 3.5m. Inspection restricted by lack of access. Japanese knotweed in understorey of tree and on field boundary.		B ,1	Medium
T178	Elder	4.0	2.0	196	6	3.0	1.5	2.0	2.0	0.0	E	Middle Age	Fair	Small elder tree at garden edge adjacent to field. Canopy biased to north.		C ,1	Medium
T180	Apple species	3.0	0.0	75	1	0.5	0.5	0.5	0.5	0.5	E	Middle Age	Good	Small tree at field edge at end of short hedge section.		C ,3	Medium
T181	Red oak	4.0	1.5	75	1	1.0	1.0	1.0	1.0	1.5	E	Young	Good	Planted tree at edge of residential garden space and at field edge. No longer tied but stake still present.		C ,1	Medium
T183	Cider gum	13.0	3.0	636	2	6.0	6.0	8.0	8.0	1.5	E	Mature	Good	Tree within residential garden adjacent to site. Very limited inspection due to lack of access and adjacent tree group obscuring view of tree. Appears to be basally bifurcate, unable to see union. Foliage appears healthy.		B ,1, 2	Medium
T185	Wild cherry	10.0	2.5	400	1	4.0	6.0	3.0	6.0	2.0	SW	Middle Age	Fair	Tree within residential garden adjacent to field. Inspection limited by lack of access and due to adjacent tree group obscuring view of tree. Slightly suppressed canopy on north and east side due to large adjacent cider gum. Canopy board to south and south-west. Appears healthy.		B ,1, 2	Medium
T189	Pedunculate oak	11.0	2.5	500	1	5.5	3.0	5.0	4.5	2.5	E	Middle Age	Good	Field boundary tree within hedge. Bifurcate mid-stem with a wide union. Moderate deadwood. Slight canopy suppression to south due to proximity of adjacent tree. Squat form.		B ,1, 2	Long
T191	Pedunculate oak	12.0	3.5	650	1	5.5	8.5	7.0	8.0	4.0	NE	Middle Age	Fair	Tree within field boundary hedge at end of small gap. Crown lifted previously. Previous limb failures evident with moderate and large deadwood stubs and moderate deadwood limbs. Trifurcate mid-stem with wide unions.		B ,1, 2	Long
T192	Pedunculate oak	10.0	2.0	600	1	7.0	6.5	5.0	6.0	2.5	NE	Middle Age	Fair	Tree within field boundary hedge. Bifurcate at 2m with wide Union. Slight lean to east. Rounded canopy and squat form, however canopy is significantly more sparse than adjacent oak trees with leaves seemingly smaller than would usually be expected. Moderate deadwood.		B ,2	Medium
T193	Pedunculate oak	11.0	0.5	870	1	6.0	9.5	7.5	6.5	2.0	N	Mature	Fair	Mature tree located in gap in field boundary hedge. Bifurcate mid-stem with wide union. Squat form due to historic large stem and limb failures in upper canopy creating a canopy gap and asymmetry. Large limb also removed at northern side of lower stem with associated tearing wound and occlusion. Moderate deadwood.		B ,2, 3	Medium
T194	Pedunculate oak	10.0	4.0	830	1	4.0	6.0	7.0	3.0	5.0	E	Mature	Fair	Compact crown due to hostile growing conditions. Ploughing to within 2.5m on southern side and 4m to North. Hollowing if stem with small opening at vase in north-East Side.		B ,3	Long
T195	Pedunculate oak	13.0	2.5	1000	1	8.5	8.5	13.5	12.0	2.5	W	Mature	Fair	Mature oak tree within field boundary hedge immediately adjacent to road. Bifurcate at c. 3m with wide union. Slight lean to east. Crown lifted previously, road and field side work remnant including pruning stubs. Previous moderate and major limb failures evident. Moderate deadwood, some of which is almost overhanging road.	Remove deadwood 60mm diameter and above where it overhangs or is in close proximity to road.	A ,2	Long
T196	Pedunculate oak	13.0	1.5	700	1	8.0	7.5	6.0	7.0	2.0	E	Mature	Fair	Oak tree within field boundary hedge immediately adjacent to road. Bifurcate mid-stem. Slight lean to north-East. Crown lifted previously road and field side. Moderate and major deadwood, some of which is overhanging road.	Remove deadwood 60mm diameter and above where it overhangs or is in close proximity to road.	B ,1, 2	Long
T197	Common lime	13.0	0.0	800	1	7.5	7.5	8.0	5.0	2.0	W	Mature	Good	Mature lime tree within field boundary hedge. Heavily ivy clad and epicormic growth around base. Ivy restricting inspection. Slightly suppressed canopy to West due to proximity of adjacent tree. Small amount of moderate deadwood. Appears healthy and in good condition.		A ,1, 2	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T198	Pedunculate oak	13.0	2.0	950	1	8.0	8.0	5.5	9.0	4.0	NW	Mature	Fair	Mature oak tree within field boundary hedge at end of gap. Heavily ivy clad. Ivy restricting inspection. Slightly suppressed canopy to east due to proximity of adjacent tree. Moderate deadwood. Appears healthy.		A ,2	Long
T199	Pedunculate oak	13.0	3.5	710	1	7.0	9.5	8.5	8.0	3.0	E	Mature	Good	Hedgerow tree with god fork and vigour and no significant defects.		A ,2	Long
T200	Common beech	16.0	3.5	760	1	8.0	10.0	9.0	9.0	3.0	NW	Mature	Fair	Large hedgerow tree with some die back and reduced vigour in southern lower crown. Minor basal cavity to North buttress.		B ,2	Long
T201	Pedunculate oak	12.0	2.0	720	1	6.5	7.5	8.0	4.0	2.0	W	Mature	Fair	Oak tree within field boundary hedge adjacent to road. Leans to East. Slightly suppressed canopy to west due to proximity of adjacent tree. Moderate deadwood. Trifurcate at c. 4m. Appears healthy.		A ,2	Long
T202	Common lime	14.0	0.0	690	1	6.0	7.5	6.5	8.0	2.0	W	Middle Age	Good	Tree within field boundary hedge. Basal suckers and epicormic growth flailed into surrounding hedge. Bifurcate at 2.5m with inclusion in union. Previous branch failure at union Point with some decay in wound. Appears healthy and in god condition.		A ,2	Long
T203	Pedunculate oak	12.0	2.0	580	1	5.5	5.5	5.0	6.0	2.0	E	Middle Age	Good	Tree within field boundary hedge adjacent to road. Small amount of deadwood. Lower limbs flailed. Rounded canopy form.		B ,1, 2	Long
T204	Pedunculate oak	12.0	2.0	600	1	6.5	6.0	7.0	6.0	2.5	W	Middle Age	Good	Tree within field boundary hedge adjacent to road. Small amount of moderate deadwood. Slight lean to East. Rounded canopy form.		B ,1, 2	Long
T205	Common lime	10.0	0.0	420	1	4.5	4.5	4.0	3.5	2.5	NW	Middle Age	Fair	Tree at end of field boundary hedge adjacent to field entrance/access track. Dense epicormic growth and basal suckers creating low canopy. Printed lines with remnant stems. Typical untidy form.		B ,1	Medium
T206	Pedunculate oak	11.0	2.5	800	1	6.0	6.0	7.0	8.0	2.0	W	Mature	Fair	Reasonable form. High pruned on southern side over road leaving multiple wounds, the lowest of which has associated decay. Barbed wire included in stem.		B ,1	Long
T207	Pedunculate oak	12.0	3.5	600	1	4.0	7.5	5.0	5.0	3.5	E	Middle Age	Fair	Tree within field boundary hedge adjacent to road. Pruned limbs evident. Moderate dieback evident in upper canopy with associated large deadwood. Small branch socket cavities. Fairly sparse canopy.	Remove deadwood 60mm and above where it overhangs road.	B ,2	Medium
T208	Pedunculate oak	12.0	1.0	580	2	6.0	4.0	7.0	6.0	2.5	W	Middle Age	Fair	Tree within field boundary hedge adjacent to road. Bifurcate at 1.5m with wide union. Pruned limbs evident with a large limb removed previously on south-west side with large occluding tearing wound. Flailed lower limbs.		B ,1, 2	Long
T209	Pedunculate oak	6.0	2.5	220	1	3.0	2.5	2.0	3.0	3.0	W	Young	Fair	Good future potential. High pruned to South over Road.		C ,1	Long
T210	Pedunculate oak	6.0	2.0	248	2	3.0	2.5	3.0	2.5	2.0	W	Young	Fair	Possibly two trees but forming a single crown. High pruned to South over Road.		C ,1	Long
T211	Grey willow	6.0	0.0	219	30	3.0	1.5	2.0	2.5	0.5	N	Middle Age	Fair	Shrubby multi-stemmed form. Southern canopy has been High pruned adjacent to road.		C ,1	Long
T212	Pedunculate oak	13.0	2.5	900	1	8.0	7.0	9.0	8.0	4.0	SW	Mature	Fair	Mature oak tree in field boundary hedge. Trifurcate at c. 3.5m with wide unions. Lower limbs and stem flailed leading to stem burring and bud proliferation. Moderate and major deadwood in canopy, some overhanging road. Minor tip dieback.		A ,2	Long
T213	Wild cherry	9.0	2.0	382	2	4.5	4.0	4.5	4.0	3.0	S	Middle Age	Fair	Roadside verge tree. Bifurcate at 0.5m with included stem union.		B ,2	Long
T214	Pedunculate oak	13.0	2.5	570	1	7.0	6.5	6.0	5.0	2.5	E	Middle Age	Fair	Oak tree in field boundary hedge. Trifurcate at c. 4m with wide unions. Minor deadwood in canopy. Slightly sparse canopy in places.		B ,1, 2	Long
T215	Common alder	7.0	3.5	240	1	4.0	3.0	3.5	3.0	3.5	S	Middle Age	Fair	Roadside verge tree. Epicormic basal shoots. Slightly reduced vigour.		C ,2	Long
T216	Wild cherry	9.0	2.5	320	4	5.0	3.5	4.5	4.0	2.0	S	Middle Age	Fair	Roadside verge tree. Multi-stem at base with tight unions. Congested crown.		C ,2	Long
T217	Rowan	6.0	3.0	149	3	2.5	1.5	1.5	2.0	1.0	NE	Middle Age	Poor	Roadside verge tree. Severely reduced vigour.		C ,3	Medium
T218	Wild cherry	9.0	2.5	340	1	6.5	5.0	6.0	5.0	1.0	S	Middle Age	Fair	Roadside verge tree. Broad, spreading crown. Hanging snapped branch adjacent footpath.		B ,2	Long
T219	Pedunculate oak	10.0	2.5	740	1	7.0	6.0	7.0	6.0	2.5	SE	Mature	Fair	Reasonable form. High pruned on western side over access road leaving stubs and wounds. Barbed wire included in stem.		B ,1	Long
T220	Common alder	6.0	3.5	270	1	4.0	3.0	3.5	3.0	3.5	S	Middle Age	Fair	Roadside verge tree. Epicormic basal shoots. Slightly reduced vigour.		C ,2	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T221	Pedunculate oak	12.0	2.0	550	1	7.0	6.0	9.0	5.5	2.5	NE	Middle Age	Good	Tree within field boundary hedge adjacent to road. Slight lean to east. Lower limbs flailed as part of hedge. Bifurcate mid-stem with wide union. Previous branch pruning with remnant stubs evident. Moderate deadwood.		B ,1, 2	Long
T222	Wild cherry	8.0	2.5	350	1	6.5	5.0	6.0	5.0	3.0	S	Middle Age	Fair	Roadside verge tree. Broad, spreading crown. Fused twin stem with some inclusion.		B ,2	Long
T223	Pedunculate oak	10.0	3.0	740	1	7.0	8.5	9.0	8.0	3.0	S	Mature	Fair	Reasonable form. High pruned leaving stubs and wounds. Barbed wire included in stem.		B ,1	Long
T224	Wild cherry	7.0	2.5	280	1	5.0	4.0	5.0	5.0	1.0	S	Middle Age	Fair	Roadside verge tree. Broad, spreading crown.		B ,2	Long
T225	Pedunculate oak	12.0	3.0	800	1	8.0	10.0	9.0	11.0	2.5	W	Mature	Good	Mature tree within gap in field boundary hedge adjacent to road. Lower limbs flailed. Multi-stemmed mid-stem with wide unions. Previous branch pruning with remnant stubs evident. Moderate deadwood. Branch socket cavities. Small cavity in lowest western limb with water marking on branch.		A ,1, 2	Long
T226	Wild cherry	9.0	2.5	350	1	6.0	4.5	6.5	6.0	1.0	E	Middle Age	Fair	Roadside verge tree. Broad, spreading crown.		B ,2	Long
T227	Pedunculate oak	12.0	2.5	680	1	8.0	7.5	7.0	5.5	3.5	SE	Middle Age	Fair	Tree within small gap in field boundary hedge adjacent to road. Lower limbs flailed. Multi-stemmed mid-stem with wide unions. Previous branch pruning with remnant stubs evident. Telephone wire runs through north-eastern canopy. Moderate and major deadwood with some overhanging road. Slight lean to north. Canopy fairly sparse.	Remove deadwood 60mm diameter and above where it overhangs road.	B ,1, 2	Long
T229	Pedunculate oak	12.0	2.5	570	1	8.0	6.5	7.0	5.0	3.0	E	Middle Age	Fair	Tree within field boundary hedge adjacent to road. Lower limbs flailed. Multi-stemmed mid-stem with wide unions. Previous branch pruning with remnant stubs evident. Small amount of moderate deadwood in southern canopy.		B ,1, 2	Long
T230	Pedunculate oak	11.0	2.0	820	1	8.0	8.0	7.5	10.0	2.0	N	Mature	Good	Mature tree adjacent to field boundary hedge. Lower limbs flailed during hedge maintenance. Multi-stemmed mid-stem with typical wide unions. Typical wide spreading and open inner branch structure. Small amount of moderate deadwood. Attractive form. Excellent tree.		A ,1	Long
T231	Pedunculate oak	10.0	3.5	660	1	2.5	8.5	7.5	6.5	4.0	S	Mature	Fair	Hedgerow tree. Open stem cavity on northern side with moderate decay. Heavily weighted crown to south.		B ,2, 3	Long
T232	Pedunculate oak	18.0	3.0	930	1	7.0	6.0	7.5	7.0	3.5	NE	Mature	Good	Mature tree within field boundary group of oaks. Bifurcate at c. 4m with wide unions. Fairly wide spreading and open inner branch structure. Moderate deadwood. Forms part of significant landscape feature collectively with other oaks.		A ,1, 2	Long
T233	Pedunculate oak	11.0	3.5	610	1	6.0	8.5	7.0	7.0	4.0	W	Mature	Good	Hedgerow tree with broad crown and good form and vigour.		B ,2, 3	Long
T234	Pedunculate oak	11.0	4.0	600	1	6.0	6.0	5.0	6.0	4.5	W	Middle Age	Fair	Reasonable form but High pruned to 4.5m. Ploughing to within 2m on all sides. Inspection restricted to afar due to land access.		B ,1	Long
T235	Common ash	13.0	6.0	1070	1	8.0	10.0	7.5	9.0	5.0	W	Mature	Fair	Hedgerow tree. Broad Crown with severe die back in places, possibly Ash die back. Very pronounced basal flare with likely hollow lower stem. Barb wire occluded in stem		B ,1, 2, 3	Long
T237	Common ash	6.0	2.0	510	1	4.0	6.0	6.0	0.5	0.5	NW	Mature	Poor	Large bole for canopy size indicating earlier stem failure at 1.5m and regeneration. Stem heavily decayed extending into Western roots. Stem lean and crown bias east.		C ,3	Medium
T238	Sycamore	8.0	3.5	290	2	4.0	2.5	2.5	3.0	3.5	N	Middle Age	Dead	Standing dead tree. Twin-stemmed from base.		U	Very Short
T239	Pedunculate oak	6.0	3.5	180	1	5.0	4.0	5.0	4.0	3.0	N	Young	Good	Vigorous hedgerow tree growing at top of ditch. Slightly fluted form due to flail pruning of lower canopy.		C ,1	Long
T240	Pedunculate oak	12.0	3.0	800	1	13.0	6.0	10.0	7.0	3.0	SE	Mature	Fair	Western half on the canopy has recently failed at twin-stem union at 2m, no obvious cause of failure visible other than heavy ivy growth throughout. The remaining crown is healthy but now heavily asymmetric. Fracture point is now open to infection which will compromise the trees longevity.		C ,1	Long
T241	Sycamore	14.0	3.0	750	1	6.0	7.0	6.0	9.0	4.0	NW	Mature	Good	Excellent form and condition. Strong twin-stemmed union at 4m supporting a balanced, well formed crown. Branch stubs in lower southern crown over field.		A ,1	Long
T242	Sycamore	13.0	1.5	840	1	9.0	10.0	11.0	8.0	3.0	NE	Mature	Good	Excellent form and condition. Strong twin-stemmed union at 2m supporting a balanced, well formed crown. Scaffold limbs heavily ivy clad.	Sever ivy removing a 30cm section of tendrils around base of tree, avoiding cutting into underlying bark.	A ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T243	Pedunculate oak	14.0	3.0	1020	1	9.0	12.0	9.0	8.0	4.0	SW	Mature	Good	Isolated field oak with reasonable firm. Slightly top-heavy appearance dye to removal of lower branches. Livestock ground compaction beneath canopy. Recent small branch failure from south-West crown.		A ,1	Long
T244	Pedunculate oak	7.0	2.5	260	1	3.0	5.0	5.0	5.0	2.0	NW	Middle Age	Good	Vigorous hedgerow tree growing at top of ditch. Slightly fluted form due to pruning of lower canopy.		C ,1	Long
T245	Pedunculate oak	9.0	2.5	450	1	6.0	5.0	6.0	5.0	2.0	SW	Middle Age	Good	Vigorous hedgerow tree growing at top of ditch. Dominant tree of a pair with balanced crown.		B ,1	Long
T246	Common hawthorn	5.0	1.0	350	1	2.0	2.0	2.0	1.5	1.5	E	Mature	Poor	Heavily smothered by ivy. C.30% live foliage visible amongst ivy tendrils.		C ,1	Short
T247	Wych elm	4.0	1.5	90	1	1.0	1.0	1.0	1.0	1.5	S	Young	Good	Self-set hedgerow tree with narrow form.		C ,1	Long
T248	Wych elm	5.0	1.5	106	2	1.0	1.0	1.0	1.0	1.5	N	Young	Poor	Self-set hedgerow tree with narrow form. Flail damage to branches on northern side.		U	Medium
T249	Pedunculate oak	7.0	1.5	240	1	4.0	4.0	4.0	4.0	1.5	SW	Middle Age	Good	Good form and future potential.		C ,1	Long
T250	Common pear	8.0	3.0	450	1	3.0	4.0	6.0	4.0	4.0	N	Mature	Fair	Garden planting. Minor twiggy deadwood in upper crown. Branch failure and associated decay in lower north-West canopy. Inspection restricted to adjacent field and obscured by boundary hedge.		C ,1	Medium
T251	Sycamore	10.0	2.0	530	1	5.0	5.0	5.0	5.0	2.0	E	Middle Age	Good	Well formed roadside tree with balanced crown. No significant visible defects.		B ,1	Long
T252	Norway maple	10.0	2.0	340	1	4.0	4.0	4.0	4.0	2.0	SW	Middle Age	Good	Well formed roadside tree with balanced crown. No significant visible defects.		B ,1	Long
T253	Small-leaved lime	10.0	1.5	562	2	5.0	5.0	6.0	5.0	2.0	NE	Middle Age	Good	Slightly congested inner branch structure but otherwise a nice roadside tree with balanced crown. No significant visible defects.		B ,1	Long
T254	Pedunculate oak	7.0	2.5	480	1	4.0	4.0	6.0	4.0	3.0	S	Middle Age	Fair	Suppressed form with canopy bias North and East. Poor form with lower Eastern canopy removed by flail. Heavily ivy clad stem.		C ,1	Long
T255	Pedunculate oak	13.0	2.5	860	1	7.0	11.0	12.0	9.0	3.0	W	Mature	Good	Mature hedgerow oak with reasonable overall form. Primary limbs arching south-East over agricultural field. Ploughing to within 3m on East Side. Minor deadwood but no significant visible defects.		A ,1	Long
T256	Pedunculate oak	7.0	2.0	500	1	5.0	3.0	5.0	5.0	2.0	W	Middle Age	Good	One of a pair if squat hedgerow oaks. Lower canopy damaged by flailing but Good future potential.		B ,1	Long
T257	Pedunculate oak	8.0	3.0	500	1	4.0	6.0	7.0	5.0	23.0	E	Middle Age	Good	One of a pair if squat hedgerow oaks. Lower canopy damaged by flailing but Good future potential.		B ,1	Long
T258	Pedunculate oak	6.0	2.5	300	1	0.5	5.0	1.0	4.0	3.0	SW	Middle Age	Fair	Suppressed form with canopy bias South and West.		C ,1	Long
T259	English holly	5.0	2.5	170	1	1.0	1.0	0.5	1.5	2.5	S	Middle Age	Poor	Lower canopy heavily flail damaged, with firmer Eastern stem now removed St hedge hight.		C ,1	Medium
T260	Pedunculate oak	5.0	2.5	300	1	1.0	1.0	1.0	0.5	2.5	S	Middle Age	Dead	Standing dead stem. Heavy wounding and fire damage on western side of stem.		U	Very Short
T261	Pedunculate oak	6.0	2.0	230	1	4.0	1.5	1.5	3.5	1.5	NW	Young	Fair	Young hedgerow tree. Flail damage to lower crown.		C ,1	Long
T262	Pedunculate oak	13.0	3.5	1100	1	8.0	9.0	9.0	9.0	3.0	W	Mature	Fair	Large burred bole. One of the older tree lining fragmented hedgerow. Recent and historic flail damage to lower crown resulting in branch fractures and decay cavities. Ploughing to within 2m on southern side and 5m to North.		A ,1, 3	Long
T263	Common alder	5.0	1.0	279	3	10.0	4.0	4.0	4.0	2.0	N	Middle Age	Fair	Unusual form due to regrowth from cut stump beneath HV powerlines. The northern two stems are growing at a 45 degree angle over pastoral field.		C ,1	Medium
T264	Pedunculate oak	13.0	3.0	600	1	7.0	8.0	7.0	8.0	2.5	N	Middle Age	Good	Well formed hedgerow oak. Lower branches pruned over fields leaving stubs but no significant visible defects.		A ,1	Long
T265	Pedunculate oak	13.0	3.0	680	1	7.0	8.0	8.0	8.0	3.0	NE	Middle Age	Good	Well formed hedgerow oak. Lower branches pruned over fields leaving stubs but no significant visible defects.		A ,1	Long
T266	Pedunculate oak	13.0	3.0	750	1	9.0	8.0	9.0	7.0	4.5	SW	Middle Age	Fair	Well formed hedgerow oak. Lower branches pruned over fields leaving stubs. Longitudinal stem wound from 1m to 4m; Fistulina hepatica bracket growing from branch union at 4m.		A ,1	Long
T267	Pedunculate oak	13.0	4.0	800	1	7.5	8.0	10.0	8.0	4.5	SE	Mature	Fair	Well formed hedgerow oak. Lower branches pruned over fields leaving stubs. Gap in Central Crown indicating branch loss but fracture point not visible.		A ,1	Long
T268	Common ash	15.0	3.0	1000	1	7.0	10.0	13.0	5.0	3.5	SE	Mature	Fair	Larger tree on edge of wider area of tree cover. Large, broad crown		B ,1, 3	Medium
T269	Pedunculate oak	8.0	2.5	840	1	6.0	9.0	6.0	7.0	2.5	E	Mature	Good	Squat form for stem girth. Central Crown heavily ivy clad but main ivy tendrils recently severed.		A ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T270	Common ash	10.0	2.5	462	3	5.0	5.0	5.0	4.0	2.5	SE	Middle Age	Poor	Basally tri-furcate. Reasonably balanced crown but with early leaf fall and central epicormic shoot growth indicating retrenchment. Presence of Chalara ash dieback disease not determined due to season.		U	Very Short
T271	Pedunculate oak	11.0	3.0	950	1	7.0	8.0	8.0	7.0	3.0	S	Mature	Good	Well formed hedgerow oak. Central Crown heavily ivy clad but main ivy tendrils recently severed. Base obscured by dense bramble and materials.		A ,1	Long
T272	Pedunculate oak	11.0	4.0	810	1	8.0	8.0	8.0	8.0	4.0	E	Mature	Fair	Well formed field oak but with slightly reduced canopy density. Minor deadwood throughout. Building materials stored beneath canopy.		B ,1	Long
T273	Common ash	16.0	2.5	760	1	6.0	9.0	9.0	8.0	2.5	W	Mature	Fair	Broad spreading crown with large horizontal ,limbs extending south. Ivy clad stem and scaffold branches. Early leaf fall so crown health not determined.		B ,1	Medium
T274	Pedunculate oak	9.0	2.5	460	1	5.0	5.0	5.0	5.0	2.5	SW	Middle Age	Good	Well formed hedgerow oak with Good future potential.		B ,1	Medium
T275	Pedunculate oak	9.0	2.5	530	1	5.5	5.5	5.5	5.5	2.0	SE	Middle Age	Good	Well formed hedgerow oak with Good future potential.		B ,1	Medium
T276	Pedunculate oak	8.0	2.5	600	1	6.0	6.0	6.0	6.0	2.5	W	Middle Age	Good	Well formed hedgerow oak with Good future potential. Ivy clad scaffold branches.		B ,1	Medium
T277	Pedunculate oak	9.0	2.5	600	1	7.0	8.0	6.0	7.0	2.0	SE	Middle Age	Good	Well formed hedgerow oak with Good future potential. Minor shade deadwood.		B ,1	Medium
T278	Common ash	8.0	2.5	347	5	5.0	5.0	5.0	4.0	3.0	S	Middle Age	Fair	Basally multi-stemmed. Shade deadwood in lower Western crown.		C ,1	Long
T279	Pedunculate oak	8.0	2.0	450	1	7.0	8.0	6.0	6.0	3.5	N	Middle Age	Good	Good form and future potential.		C ,1	Long
T280	Pedunculate oak	9.0	1.5	630	1	8.0	9.0	9.0	8.0	2.5	S	Middle Age	Good	Well formed hedgerow oak with Good future potential. Ivy clad scaffold branches.		B ,1	Medium
T281	Pedunculate oak	13.0	2.0	700	1	4.0	8.0	8.0	9.0	2.5	N	Mature	Good	Well formed hedgerow oak with Good future potential. Crown pruned back from LV powerlines on North side.		A ,1	Medium
T282	Pedunculate oak	14.0	2.5	700	1	8.0	10.0	8.0	10.0	4.0	NW	Mature	Good	Growing just inside private garden. Gap in Central canopy indicative of branch loss but fracture point not visible; the remaining crown is in good health.		A ,1	Medium
T293	Sycamore	6.0	3.0	495	2	2.5	2.5	2.5	2.5	2.0	N	Middle Age	Fair	Basally bifurcate tree within brownfield site adjacent to hedge, wall and pavement. Inspection restricted by access and visibility due to hedge. Rounded canopy form that appears to comprise regrowth due to both stems being topped previously.		C ,2, 3	Short
T296	Common ash	6.0	1.5	250	1	3.0	3.0	3.0	3.0	0.5	SW	Middle Age	Fair	Self-set tree on East Side of path adjacent to boundary fence. Multi-stemmed at c. 2.5m with thought unions. Squat form.		C ,1	Medium
T298	Silver birch	12.0	3.0	510	2	6.0	6.5	6.0	5.0	2.5	N	Mature	Good	Twin stemmed at base. Gnarly crown, broad form. Excellent vigour. Growing in dense vegetation.		B ,1	Long
T300	Silver birch	10.0	3.0	220	1	5.0	3.0	3.5	3.5	2.5	N	Middle Age	Good	Good form and vigour with no significant defects.		B ,1	Long
T301	Pedunculate oak	17.0	5.0	770	1	8.5	8.5	7.0	9.5	4.0	S	Mature	Good	Mature oak with broad crown and good vigour. Minor deadwood in lower crown else no significant defects.		A ,1	Long
T303	Goat willow	8.0	0.5	569	10	6.0	6.0	6.0	4.0	1.0	S	Middle Age	Fair	Basally multi-stemmed willow tree on slope down towards boundary fence. Desire line to west and south. Right and included stem unions. Fairly rounded canopy, although slightly suppressed to West due to proximity of adjacent poplar trees. Minor shade deadwood in lower canopy.		B ,1	Medium
T304	Pedunculate oak	15.0	4.0	780	1	6.0	6.5	7.0	6.0	4.0	N	Mature	Good	Broad crown in good condition. Large open wound with partial dead stem at base to west from former failed union. Open basal cavity and hollow lower stem.		B ,1	Long
T305	Pedunculate oak	10.0	3.0	510	1	5.0	6.0	4.5	3.5	2.5	S	Middle Age	Good	Hedgerow tree with squat crown. No significant defects.		B ,1	Long
T306	Pedunculate oak	16.0	5.0	940	1	7.0	11.0	10.0	8.5	4.0	S	Mature	Good	Bifurcate at 2m with large, Good stem union. Broad crown. Minor deadwood but no significant defects.		A ,1	Long
T307	Pedunculate oak	11.0	3.0	360	1	5.5	5.5	6.0	5.5	2.5	N	Middle Age	Good	Hedgerow tree with no significant defects.		B ,1	Long
T308	Pedunculate oak	11.0	3.0	490	1	5.5	7.0	8.5	6.0	3.0	W	Middle Age	Good	Hedgerow tree with no significant defects.		B ,1	Long
T309	Pedunculate oak	14.0	3.0	620	1	8.0	6.5	9.0	6.0	1.5	S	Middle Age	Good	Hedgerow tree with no significant defects. Broad crown.		A ,1	Long
T310	Common hawthorn	4.0	0.5	185	7	1.5	2.0	2.0	2.5	0.5	E	Middle Age	Good	Multi-stemmed tree adjacent post and wire fence line.		C ,1	Long
T311	Common hawthorn	4.0	0.5	180	9	2.0	2.5	2.0	3.0	0.5	E	Middle Age	Good	Multi-stemmed tree adjacent post and wire fence line.		C ,1	Long
T312	Pedunculate oak	4.0	0.5	121	4	2.5	2.5	2.5	2.5	1.0	N	Young	Good	Vigorous self-set tree. Basally multi-stemmed but all rooted independently.		C ,1	Long
T313	Norway maple	6.0	0.0	226	2	3.0	3.0	3.0	3.0	1.0	E	Middle Age	Good	Tree located on hill down towards path. Rounded and low lying canopy touching floor. Bifurcate. No major defects noted.		B ,1	Long
T314	Pedunculate oak	4.0	0.5	160	1	3.5	3.0	3.0	3.5	1.5	NE	Young	Good	Vigorous self-set tree. Squat form with no apical dominance.		C ,1	Long
T315	Silver birch	11.0	2.0	360	1	4.0	4.0	4.0	4.0	2.0	S	Middle Age	Good	A well formed tree with balanced canopy. Base obscured by dense vegetation.		B ,1	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T316	Goat willow	6.0	1.0	310	1	4.2	4.5	4.0	3.5	0.5	SE	Middle Age	Good	Self-set now established tree on field boundary edge. Dense multi-stemmed union from 0.5m.		C ,1	Long
T317	Silver birch	10.0	2.0	410	2	6.5	5.0	6.0	5.5	1.0	S	Middle Age	Good	Twin stemmed at base. Located in dense bramble. Good crown form and vigour.		B ,1	Long
T318	Goat willow	10.0	1.0	688	7	6.5	6.5	6.5	6.0	1.0	SW	Mature	Fair	Large mature goat willow on West Side of desire line and easy side of path at top of small slope. Basally multi-stemmed with tight and included unions, some stems fusing. Rounded canopy with a squat form. Minor to moderate deadwood.		B ,1, 2	Long
T321	Goat willow	8.0	3.5	416	6	3.5	3.5	3.5	3.5	2.0	S	Middle Age	Good	Tree within roadside group immediately adjacent to road barrier and kerbed edge. Basally multi-stemmed with tight and included unions. Rounded canopy form. Crown lifted roadside.		B ,1	Long
T322	Pedunculate oak	7.0	1.0	380	1	6.0	4.0	3.0	5.0	1.0	W	Middle Age	Fair	Fluted appearance due to removal of lower branches over fields leaving stubs. Growing on southern bank of Brook. Flail damage on lower shoots. Ploughed to within 3m on South side.		C ,1	Long
T323	Common ash	9.0	3.0	580	1	7.0	6.0	7.0	4.0	2.0	NW	Middle Age	Fair	Fluted appearance due to removal of lower branches over fields leaving stubs. Growing on southern bank of Brook. Ploughed to within 3m on South side. Twiggy dieback in upper crown indicative of Chalara ash dieback but not confirmed due to season.		C ,1	Medium
T324	Sycamore	7.0	1.0	205	2	2.5	2.5	2.5	2.5	1.0	N	Middle Age	Good	Basally bifurcate tree within roadside group adjacent to barrier. Cannot doesn't overhang road. No major defects noted.		C ,1	Long
T325	Pedunculate oak	8.0	0.5	540	1	7.0	6.0	9.0	8.0	0.5	E	Middle Age	Fair	Slightly fluted appearance due to removal of lower branches over fields, almost espalier lower crown form parallel to ditch. Growing on southern bank of Brook. Ploughed to within 3m on South side.		B ,1	Long
T326	Sycamore	7.0	1.0	360	9	4.0	3.0	5.0	4.0	1.0	W	Middle Age	Fair	Basally multi-stemmed. Growing on southern bank of Brook. Ploughed to within 1m on South side.		C ,1	Medium
T327	Common ash	7.0	1.5	405	10	6.0	5.0	6.0	6.0	1.5	W	Middle Age	Fair	Basally multi-stemmed. Growing on southern bank of Brook. Ploughed to within 1m on South side.		C ,1	Medium
T328	Pedunculate oak	7.0	0.5	410	2	6.0	5.0	4.5	5.0	0.5	E	Middle Age	Fair	Fluted appearance due to removal of lower branches over fields leaving stubs. Growing on southern bank of Brook. Flail damage on lower branch regrowth. Ploughed to within 2m on South side.		C ,1	Long
T329	Common ash	8.0	2.5	453	8	4.0	4.0	7.5	5.0	2.0	NE	Middle Age	Fair	Basally multi-stemmed. Growing on southern bank of Brook. Ploughed to within 2m on South side.		C ,1	Medium
T330	Pedunculate oak	9.0	1.0	546	3	6.0	6.0	4.5	5.0	0.5	S	Middle Age	Fair	Basally multi-stemmed. One of multiple oaks growing on bramble covered field boundary. Ploughed to within 3m on east and west side.		C ,1	Long
T331	Pedunculate oak	8.0	1.0	422	2	5.5	5.0	4.0	4.0	0.5	S	Middle Age	Fair	Basally twin-stemmed. One of multiple oaks growing on bramble covered field boundary. Ploughed to within 3m on east and west side.		C ,1	Long
T332	Pedunculate oak	6.0	1.0	534	2	7.0	9.0	3.0	4.0	1.0	N	Middle Age	Fair	Basally twin-stemmed; probably two trees but firming a single sinuous canopy. One of multiple oaks growing on bramble covered field boundary. Ploughed to within 4m on east and west side.		C ,1	Long
T333	Pedunculate oak	7.0	3.0	390	1	4.0	5.0	4.5	4.5	3.0	N	Middle Age	Fair	One of multiple oaks growing on bramble covered field boundary. Ploughed to within 4m on east and west side.		C ,1	Long
T334	Pedunculate oak	7.0	0.5	480	1	4.0	5.0	3.5	4.0	1.0	S	Middle Age	Fair	One of multiple oaks on bramble covered field boundary. Flail damage to lower branches. Ploughed to within 3m on east and west sides.		C ,1	Long
T335	Grey willow	5.0	0.5	480	1	2.0	4.0	6.0	5.0	0.5	W	Mature	Fair	Much older tree than those surrounding it, although its firm suggests historic suppression. Thick entwined stems arching West. Minor decay and reduced leaf size, possibly dye to age.		B ,1, 2	Medium
T337	Pedunculate oak	10.0	1.5	424	2	4.5	4.0	5.0	5.0	1.0	N	Middle Age	Good	One of multiple oaks growing along field boundary ditch bank. Basally twin-stemmed but both rooted independently. Good future potential.		B ,1	Long
T338	Pedunculate oak	8.0	1.5	355	2	2.0	5.0	5.0	7.0	0.5	S	Middle Age	Fair	One of multiple oaks growing along field boundary ditch bank. Basally twin-stemmed but both rooted independently. Slightly suppressed by on to north.		C ,1	Long
T340	Pedunculate oak	9.0	3.0	560	1	8.0	7.0	5.0	8.0	1.5	E	Middle Age	Good	One of multiple oaks growing along field boundary ditch bank. Good future potential. Ploughing to within 1m on South side.		B ,1	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T341	Pedunculate oak	9.0	3.0	480	1	8.0	7.0	8.0	3.0	1.5	NW	Middle Age	Fair	One of multiple oaks growing along field boundary ditch bank. Ploughing to within 1m on South side. Branch tear-out wound and associated decay on main stem at 2m.		C ,1	Long
T342	Pedunculate oak	11.0	2.0	940	1	11.0	9.0	11.0	8.0	2.0	E	Mature	Fair	One of multiple oaks growing along field boundary ditch bank. Larger tree than those surrounding it. Decay column present on north-West Side if stem from ground to 2.5m; brown rot visible. Ploughing to within 1m on South side.		B ,1	Long
T343	Pedunculate oak	8.0	3.0	644	2	6.0	6.0	6.0	5.0	2.0	S	Middle Age	Good	One of multiple oaks growing along field boundary ditch bank. Good future potential. Lower branches previously removed leaving stubs. Ploughing to within 2m on east side.		B ,1	Long
T344	Pedunculate oak	8.0	1.5	580	1	6.0	6.0	6.0	9.0	1.5	W	Middle Age	Fair	One of multiple oaks growing along field boundary ditch bank. Good future potential. Lower branches previously removed leaving stubs and tear wounds. Ploughing to within 2m on South side.		B ,1	Long
T345	Goat willow	6.0	1.0	294	6	3.5	3.5	3.5	3.5	2.0	N	Middle Age	Good	Tree at field edge and on railway bund. Bund is densely overgrown. Appears to be multi-stemmed. Inspection restricted by access.		B ,1	Long
T346	Goat willow	10.0	2.0	442	4	5.0	6.0	5.0	4.0	1.0	N	Middle Age	Fair	Typical multi-stemmed form for species. Flail pruned on western side to 4m adjacent to access track. Central stem is a crack willow but forms part of the goat willow crown.		C ,1	Long
T347	Goat willow	8.0	2.0	340	4	5.0	4.5	4.5	3.0	1.0	N	Middle Age	Fair	Typical multi-stemmed form for species. Flail pruned on western side to 4m adjacent to access track.		C ,1	Long
T348	Goat willow	8.0	2.0	355	4	4.0	4.5	4.0	3.0	1.0	N	Middle Age	Fair	Typical multi-stemmed form for species. Flail pruned on western side to 4m adjacent to access track.		C ,1	Long
T349	Goat willow	8.0	2.0	352	4	5.0	5.0	5.0	3.0	1.0	S	Middle Age	Fair	Typical multi-stemmed form for species. Flail pruned on western side to 4m adjacent to access track.		C ,1	Long
T350	Pedunculate oak	9.0	0.5	400	1	5.0	6.0	6.0	6.0	0.5	S	Middle Age	Good	Vigorous tree with well formed rounded crown. Growing at foot of railway embankment. Excellent future potential.		B ,1	Long
T351	Pedunculate oak	7.0	1.0	380	1	5.0	5.0	4.0	6.0	1.5	W	Middle Age	Good	Lower crown reduced on Eastern side adjacent to access track. Growing at foot of railway embankment. Good future potential.		B ,1	Long
T352	Goat willow	7.0	0.5	600	1	8.0	6.0	9.0	10.0	1.0	W	Mature	Good	Fully mature tree rooted at top of railway embankment. Inspection restricted to adjacent field but appears to be a good example if its species. Halo growth contributing to lower crown.		A ,1	Medium
T353	Common beech	14.0	1.5	800	1	6.0	5.5	8.0	5.5	3.0	NE	Mature	Fair	Large tree in middle of field forming part of tree group around ground hollow. Leans to North-East with upper stem and canopy significantly leaning. Lower limbs flailed. Some tight branch unions. Minor deadwood.		A ,2	Medium
T354	Horse chestnut	11.0	0.0	750	1	5.0	5.0	5.5	4.0	1.0	N	Mature	Fair	Mature tree growing on bank of ground hollow. Leans to East. Previous limb failures evident. Typical subsiding and swooping branches. Canopy a little sparse in places.		B ,1, 2	Medium
T355	Sycamore	3.0	1.0	570	2	0.5	0.5	2.0	0.5	1.0	E	Middle Age	Dead	Standing dead tree stumps in ground hollow.		U	Very Short
T356	Pedunculate oak	6.0	0.0	200	1	4.0	3.5	3.5	3.5	0.5	S	Middle Age	Good	Tree within open area on roadside verge. At bottom of slight slope next to fence. Rounded canopy.		C ,1	Long
T357	Pedunculate oak	9.0	2.0	570	1	8.0	4.0	7.0	9.0	2.0	W	Middle Age	Good	Well formed tree with reasonably balanced crown. Rooted at top of Brook Bank on Eastern side. Minor deadwood but no significant visible defects.		B ,1	Long
T358	Common ash	14.0	2.5	700	1	6.0	6.0	7.0	6.5	2.5	W	Mature	Fair	Field boundary tree adjacent to deep ditch and fence. Multi-stemmed at c. 3m. Branch socket cavities with bat potential, some occluded and occluding. Previous deadwood and branch failures evident with some still attached and hung up. Remnants of wooden platform in mid-canopy.		B ,2, 3	Medium
T359	Pedunculate oak	12.0	1.0	480	1	5.0	8.0	6.0	7.0	2.0	S	Middle Age	Fair	Twin-stemmed St 1.5m with tight union.. Rooted at top of Brook Bank on Eastern side. Minor deadwood but no significant visible defects.		B ,2	Long
T360	Common ash	13.0	2.5	610	1	5.0	7.5	9.0	5.0	2.5	W	Mature	Fair	Field boundary tree adjacent to deep ditch and fence. Branch socket cavities with bat potential, some occluded and occluding. Stem wound with occlusion and Inonotus hispidus fruiting bodies on wound. Previous deadwood and branch failures evident. Some minor and moderate deadwood in upper canopy, may be result of Chalara Ash dieback disease infection.		B ,2, 3	Medium

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T361	Common ash	10.0	1.0	675	4	7.0	6.5	7.5	6.5	0.0	SW	Mature	Fair	Field boundary tree adjacent to deep ditch and fence. Branch socket cavities and previous limb failures with bat potential, some occluded and occluding. Previous deadwood and branch failures evident. Some minor and moderate deadwood in upper canopy, may be result of Chalara Ash dieback disease infection. Lower limbs flailed. Basally multi-stemmed.		B ,2, 3	Medium
T366	Common ash	10.0	1.0	524	2	4.0	6.5	5.5	4.0	0.5	SW	Middle Age	Fair	Bifurcate tree on bank of deep ditch. Suppressed to east, north and North-east large adjacent willow tree. Forms part of field boundary group. Failed and flailed lower limbs field side. Small amount of branch socket cavities.		B ,2	Medium
T368	Common ash	10.0	1.5	311	2	4.0	3.0	4.0	3.0	2.0	N	Middle Age	Fair	Basally twin-stemmed with basal shoots contributing to Northern Crown. Possible Chalara ash dieback infection but not confirmed due to season.		C ,1	Medium
T369	Crack willow	16.0	1.5	1250	3	10.0	10.0	10.5	9.0	4.0	NE	Mature	Fair	Huge willow tree growing on deep ditch bank and forming part of field boundary group. Trifurcate. Previous branch and stem failures evident with many still attached and hung up. Moderate deadwood in canopy. Occluding tearing wounds. Very wide spreading canopy. A notable tree due to its size and age. Bat potential.		A ,2, 3	Long
T370	Sycamore	9.0	1.5	290	1	4.0	4.0	4.0	4.0	1.5	E	Middle Age	Good	Vigorous self-set tree on edge of pond. Good future potential.		C ,1	Long
T371	Hornbeam	7.0	0.0	570	1	3.0	5.5	5.5	4.0	3.5	S	Middle Age	Fair	Tree on Northern edge of deep ditch immediately adjacent to very large willow tree. Willow is suppressing hornbeam with twisted stem biased that is biased to the east and an overall squat form. Stem starting to flute, typical of species. Previous stem failure on east side with occlusion and degradation of wood in wound. Previous limb failures and moderate deadwood. Some failed willow branches in canopy.		B ,1, 2	Long
T372	Goat willow	11.0	1.5	609	7	7.0	6.0	8.0	8.0	2.0	E	Mature	Fair	Tree forming part of boundary group on Northern side of deep ditch. Basally multi-stemmed with included unions, also included and tight branch unions throughout. Previous branch failures evident with occluding tearing wounds, some with degradation in. Potentially some failure sounds with bat potential.		B ,1, 2, 3	Long
T373	Common ash	13.0	1.5	730	1	5.5	5.0	4.5	6.0	1.7	E	Mature	Good	Tree within boundary group on Northern side of deep ditch. Bifurcate at c. 2.5m with further bifurcation above. Minor deadwood and small previous long failures but overall appears in Good health and condition.		B ,1, 2	Long
T374	Elder	3.0	1.0	158	10	1.5	1.5	1.5	1.5	1.0	E	Middle Age	Good	Small multi-stemmed tree that may have initially formed part of hedge but no longer under hedgerow management.		C ,3	Short
T375	Pedunculate oak	9.0	2.0	600	1	5.5	7.0	7.0	5.0	2.5	E	Middle Age	Fair	Tree in Northern side of ditch growing on bank within field. Ivy clad. Bifurcate at c. 2.5m with very wide Union. Stem kinks to East slightly above union point. Previous limb failures and moderate deadwood. Western canopy merging with adjacent oak.		B ,1, 2	Long
T376	Pedunculate oak	9.0	1.5	650	1	5.5	7.0	4.0	5.5	1.5	NW	Middle Age	Fair	Tree in Northern side of ditch growing on bank within field. Heavily ivy clad. Appears to be multi-stemmed at c. 3.5m. Stem leans to South. Previous limb failures and moderate deadwood. Eastern canopy merging with adjacent oak.		B ,1, 2	Long
T377	Sycamore	7.0	0.0	861	4	2.0	3.5	4.0	3.0	0.0	NW	Mature	Poor	Tree within field boundary group on North side of pond out of bank. Basally multi-stemmed. Heavily ivy clad. Significant dieback in upper canopy with associated deadwood. Live foliage comprises growth in lower canopy and epicormic growth.		U	Very Short
T378	Sycamore	5.0	1.5	190	1	1.5	1.5	0.5	2.0	1.5	W	Middle Age	Dead	Standing dead tree in ditch.		U	Very Short
T379	Sycamore	8.0	0.0	542	4	5.0	4.5	4.5	5.0	1.5	S	Middle Age	Fair	Tree at western end of linear boundary group. Multi-stemmed between base and 1.5m. Lowest branch union very acute and included. Eastern canopy suppressed by large oak to East. Growing out of Northern ditch Bank.		B ,1, 2	Medium

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T380	Pedunculate oak	11.0	1.5	909	2	7.5	7.0	11.0	7.0	2.0	S	Mature	Fair	Tree at western end of linear boundary group. Growing out of southern ditch bank. Basally bifurcate with included union and further bifurcation of stem in canopy above. North-eastern stem had grown bias to East creating an asymmetrical canopy biased in this direction. Pruned branches and remnant stubs field side. Slight gap in South-Eastern canopy but no apparent failures on this side.		A ,2	Long
T381	Common alder	7.0	2.0	200	1	2.5	3.0	3.0	3.0	3.5	W	Middle Age	Fair	Tree growing on far side of ditch on bank. Previous stem failure evident on east side indicating tree was previously bifurcate. Inspection restricted by access.		C ,1	Medium
T382	Common hawthorn	4.0	2.0	133	2	2.0	1.5	2.0	2.5	2.0	W	Middle Age	Fair	Small bifurcate tree growing on far side of ditch on bank. Inspection restricted by access.		C ,1	Medium
T383	Sycamore	10.0	2.0	400	1	4.0	1.0	2.0	4.0	2.0	NE	Middle Age	Fair	Tree growing on south-west side of ditch. Canopy suppressed to east and south by adjacent sycamore. Flailed lower limbs. Canopy and growth biased to north and north-west.		B ,1	Medium
T384	Sycamore	5.0	2.5	130	2	1.5	0.5	2.0	0.5	2.5	NW	Middle Age	Fair	Small bifurcate tree growing on south-west side of ditch on bank. Inspection restricted by access and dense epicormic growth/basal suckers from adjacent sycamore. Flailed west side and suppressed to south.		C ,3	Short
T385	Sycamore	11.0	0.0	600	1	6.5	6.5	5.0	4.0	0.0	SE	Middle Age	Good	Tree growing on south-west Side of ditch. Dense epicormic growth and basal stickers around base. Flailed lower limbs and basal suckers. Fairly rounded canopy. Leans to south-east. Bifurcate at c. 4m. Dense suckers restricting inspection of base.		B ,1	Long
T386	Common ash	16.0	2.0	750	1	6.0	7.0	7.5	5.0	4.0	E	Mature	Fair	Tree growing on south-west side of ditch within hedge. Flailed lower limbs. Bifurcate mid-stem with wide Union. Southernmost stem has died leaving a tall remnant stub that has cavities with bat potential. Fungal fruiting body of Inonotus hispidus also on this stem. Upper canopy of northernmost stem also starting to dieback leaving late deadwood at top of crown.		B ,3	Medium
T387	Sycamore	10.0	1.5	680	2	4.5	4.5	4.0	5.0	2.0	N	Middle Age	Fair	Tree growing on ditch bank at end of hedge in gap. 1 primary stem with a much smaller secondary stem that is likely a large basal sucker. Main stem is bifurcate at c. 2m with fairly tight union. Dieback of branch in mid-eastern canopy leaving gap.		B ,1	Medium
T388	Pedunculate oak	11.0	1.5	800	2	6.0	6.0	6.0	6.0	2.0	SE	Mature	Good	Tree growing on ditch bank adjacent to hedge. Inspection restricted by hedge and epicormic growth on lower stem. Squat form. Moderate deadwood. Flailed lower limbs. No major visible defects noted.	Bat tree 125	A ,1	Long
T389	Common hawthorn	4.0	0.0	180	2	2.0	1.0	1.5	2.0	0.0	W	Middle Age	Good	Small tree growing on ditch bank. Flailed lower limbs.		C ,1	Medium
T390	Sycamore	14.0	0.0	770	1	6.0	5.5	5.0	4.5	0.0	NW	Mature	Fair	Tree growing on ditch bank. Large basal suckers that have been flailed to form part of hedge in some cases. Slight lean to north-east. Some small burrs evident on stem. Multi-stemmed mid-canopy. Moderate deadwood in eastern canopy.		A ,2	Long
T391	Sycamore	12.0	3.0	700	1	6.0	6.0	5.5	4.5	2.5	SE	Mature	Fair	Tree growing on ditch bank. Lower limbs flailed. Fairly rounded canopy. No major defects noted.		A ,2	Long
T392	Sycamore	5.0	2.0	200	1	3.0	2.0	1.0	3.5	2.0	W	Middle Age	Fair	Tree growing on ditch bank immediately adjacent and beneath canopy of larger sycamore. Suppressed canopy to south and east side to adjacent tree.		C ,1	Medium
T393	Sycamore	12.0	0.0	760	1	5.0	5.0	5.0	5.0	0.0	NE	Mature	Good	Tree growing at end of hedge in gap. Basal suckers that have been flailed as part of hedge. Rounded canopy. Minor deadwood. No major defects noted.		A ,2	Long
T394	Pedunculate oak	9.0	1.5	533	3	6.0	5.5	5.0	5.5	1.0	N	Middle Age	Good	Tree within field boundary hedge adjacent to road. Growing out of roadside bank. Heavily ivy clad restricting inspection. Flailed lower limbs field side. Telegraph pole immediately adjacent to base and in canopy. Wires also running through canopy.	Bat tree 122	B ,1	Long
T395	Pedunculate oak	9.0	1.0	464	3	6.0	5.0	5.0	3.0	1.5	SE	Middle Age	Fair	Tree on field boundary adjacent to road. Growing out of roadside bank and dense bracken. Heavily ivy clad restricting inspection. Flailed lower limbs field side. Telegraph wires running through canopy with some powerline pruning evident in western canopy leaving a gap.		B ,1	Long

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Italicised Values: Feature value was estimated

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T396	Pedunculate oak	8.0	2.0	800	1	4.5	5.5	6.5	5.5	1.5	SE	Mature	Fair	Tree located within field boundary hedge. Heavily ivy clad restricting inspection. Squat form. Located in roadside bank. A branch has died in central canopy at multi-stemmed union point with a subsequent gap in the canopy. Minor deadwood. Some minor tip dieback evident.		B ,1	Long
T397	Pedunculate oak	10.0	1.5	1000	1	6.5	7.0	6.5	6.5	2.0	NW	Mature	Fair	Tree located within field boundary hedge. Heavily ivy clad restricting inspection. Squat form. Located in roadside bank. Large branches removed field side leaving remnant stubs. Slight stem lean to south-east. Large stems and limbs with open inner canopy typical of species. Multi-stemmed mid-canopy. No major visible defects noted. Excellent tree.	Bat tree 124	A ,1, 2	Long
T398	Common beech	13.0	2.5	750	1	5.0	6.0	7.5	5.5	4.0	N	Mature	Good	Tree located within gap in field boundary hedge. Heavily ivy clad stem restricting inspection. Located in roadside bank. Bifurcate at c. 4m. Slightly suppressed canopy to south due to adjacent sycamore. Stem leans to east with canopy overhanging road to virtually the other side. Pruned branches in eastern canopy due to telephone wires on far side of road. No major visible defects noted.		A ,2	Long
T399	Common beech	11.0	2.0	630	1	2.5	5.5	6.0	5.5	2.0	SE	Middle Age	Fair	Tree located within field boundary hedge. Heavily ivy clad stem restricting inspection. Located in roadside bank. Significantly suppressed canopy to north due to adjacent beech. Minor deadwood.	Bat tree 123	B ,1, 2	Medium
T400	Pedunculate oak	11.0	1.0	680	1	5.5	6.0	4.0	6.0	1.5	W	Middle Age	Fair	Tree at end of field boundary hedge. Large occluding basal and lower stem cavities on west and north sides. Cavity beneath deadwood stub on north-west Side of stem with bat potential. Slight lean to south-west. Moderate deadwood. Fairly rounded canopy.		B ,1, 3	Medium
T401	Pedunculate oak	8.0	2.5	500	1	5.0	5.5	5.0	5.0	2.5	NE	Middle Age	Fair	Tree on field boundary. Barbed wire occluded into stem. Slight lean to south-east. Multi-stemmed at c. 2.5m. Occluding wound on northern side of stem leading up to lower stem union with some bark necrosis evident in union and some degradation evident. Moderate deadwood and some tearing wounds, potentially mechanical damage from flailing in part. Pruned limbs with remnant stubs.		B ,2	Medium
T402	Pedunculate oak	8.0	0.5	640	1	4.5	5.0	4.0	5.0	1.5	NE	Middle Age	Fair	Tree on field boundary. Barbed wire occluded into stem. Multi-stemmed mid-canopy. Large basal cavity with decay leading up into stem on south side, occluded barbed wire evident in cavity. Central stem is dying back significantly with necrotic bark evident. Basal cavity appears to travel up stem and likely cause of central stem dieback, hollow stem with bat potential. Moderate deadwood in canopy.		B ,3	Medium
T403	Pedunculate oak	11.0	2.0	780	1	7.0	7.0	8.0	8.0	3.0	E	Mature	Good	Tree on field boundary. Several animal burrows around base, raising soil level somewhat on east side of base. Bifurcate at c. 3m with wide union. Wide spreading canopy with a fairly squat form. Slight lean to south. No major defects noted. Excellent tree.		A ,1, 2	Long
T404	Common alder	8.0	0.5	716	4	5.5	4.5	5.5	6.0	1.5	SW	Mature	Fair	Tree on field boundary. Basally multi-stemmed with 4 stems growing from large stool. Tight stem unions. Barbed wire occluded into stems. Stems lean and canopy slightly biased to west. Largest stem had a large basal and lower stem cavity with occlusion but appears to be holding up into stem. Potentially some spoil soil erosion beneath tree. Largest stem also has a large previous branch failure on north-west side with occlusion, appears to be a small cavity at top of tearing wound. Top of largest stem has also failed leaving remnant stub. Bat potential. Some large deadwood.		B ,3	Medium
T405	Pedunculate oak	7.0	1.0	360	1	4.0	4.0	4.5	4.5	1.0	S	Middle Age	Fair	Boundary tree next to ditch. Pruning wounds, broken branches and stubs. Southern side lower branches flailed. Some minor dead wood in crown.		B ,2	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T406	Pedunculate oak	13.0	0.5	1200	1	8.0	8.5	8.5	8.5	2.0	S	Mature	Good	Large and mature open grown oak tree on field boundary adjacent to road. On slightly raised ground level to road. Flailed lower limbs creating dense lower canopy. Slight stem lean to south. Barbed wire occluding into stem. Bifurcate mid-stem. Wide spreading canopy and very open inner crown structure typical of species. Moderate deadwood. Excellent tree.		A ,1, 2	Long
T407	Pedunculate oak	10.0	0.5	600	1	3.0	7.0	8.0	2.5	2.0	SE	Mature	Fair	Oak tree on field boundary adjacent to road. On slightly raised ground level to road. Flailed lower limbs creating fairly dense lower canopy. Slight stem lean to south. Barbed wire occluding into stem. Bifurcate at c. 3m with wide union. Northernmost stem has failed and died leaving large and long remnant stub that is blowing with cavities and bat potential. Canopy largely comprises foliage on southernmost stem that creates heavy bias to south-east over field. Southern stem also potentially has a failure point with some subsequent regrowth from wound.	Monitor annually to assess progression of decay and for movement in regrowth stem unions due to proximity of tree to road.	B ,3	Medium
T408	Common ash	18.0	0.0	1250	1	10.0	10.0	9.0	9.0	0.0	N	Mature	Fair	Large and mature ash tree adjacent to road. At a slightly raised ground level to road. Multi-stemmed at c. 3.5m. Large deadwood in mid-canopy and overhanging Road. Some tip dieback and dieback in central crown evident. Previous moderate branch failures. Appears to be a chunk of the easternmost stem that had been cut out, appears to form small gob cut.	Remove deadwood 50mm diameter and above where it overhangs road.	B ,2, 3	Medium
T409	Sycamore	14.0	0.0	715	4	5.5	6.0	5.5	5.0	3.0	S	Mature	Good	Tree adjacent to road and at slightly raised ground level to road. Lower limbs flailed creating dense canopy. Basally multi-stemmed, dense low canopy obscuring view of unions. Previous branch failures with associated tearing wounds.		B ,1, 2	Long
T410	Pedunculate oak	16.0	0.5	1100	4	11.5	7.0	7.5	8.5	2.0	S	Mature	Fair	Large mature tree adjacent to road and at slightly raised ground level to road. Lower limbs flailed. Previous branch failures with associated tearing wounds. Large deadwood overhanging Road. Heavily ivy clad obscuring inspection.	Remove deadwood 50mm diameter and above where it overhangs road.	A ,2	Long
T411	Pedunculate oak	7.0	0.5	300	2	4.0	3.0	3.5	3.5	1.5	N	Middle Age	Fair	Small boundary tree. Bifurcate from base. Low canopy form. Ditch to north. Numerous broken branches and stubs.		B ,1, 2	Long
T412	Pedunculate oak	8.0	1.0	498	3	4.0	4.0	6.0	7.0	1.5	W	Middle Age	Good	Multi-stemmed boundary tree with twisted and fusing stems. Ditch to north. Numerous broken branches and stubs. Minor dead wood in crown. Congested crown.		B ,2	Long
T413	Sycamore	13.0	0.0	630	1	5.0	4.5	4.5	5.0	0.0	N	Middle Age	Poor	Tree within boundary hedge adjacent to road. On a slightly raised ground level to road. Significant dieback in canopy with large deadwood and limited foliage.		C ,2, 3	Short
T414	Pedunculate oak	13.0	0.0	1000	1	9.5	8.5	6.0	6.0	2.0	S	Mature	Fair	Large mature oak tree located immediately adjacent to road. Bifurcate at c. 2.5m and again at c. 3.5m. Large cavity in lower union point with some occlusion. Mechanical damage, likely from flailing, on western limb. Previous stem and limb failures evident in canopy. Large deadwood, particularly in northern canopy.	Bat tree 237	B ,2, 3	Long
T415	Pedunculate oak	10.0	1.5	750	1	6.0	7.5	7.5	5.5	3.5	NW	Mature	Fair	Oak tree adjacent to road. Large basal and stem wound on north side that travels up stem and concludes at a remnant dead branch. Wound is hollowing with a cavity evident with bat potential. Dead branch is likely a historically failed stem that has died back. Moderate deadwood. Flailed lower limbs.	Bat tree ???	B ,2, 3	Medium
T416	Crack willow	9.0	0.5	637	6	8.0	8.0	8.0	8.0	0.5	E	Mature	Fair	Large tree on riverbank. Multi-stemmed form. Large failed limb to east but still attached and alive. Crossing branches. Numerous broken branches and stubs. Deadwood throughout crown.		B ,2	Long
T417	Pedunculate oak	10.0	1.5	670	1	4.0	6.0	6.0	6.0	3.0	NW	Middle Age	Fair	Oak tree adjacent to road. Large previous stem failure with occlusion on west side of lower stem. Large deadwood in canopy. Some dieback evident in eastern canopy. Previous branch failure in lower north-western canopy, potentially caused by flailing. Slight lean to east.	Bat tree 233	B ,2, 3	Medium
T418	Pedunculate oak	6.0	1.0	380	1	6.0	2.0	2.0	3.0	3.0	E	Middle Age	Fair	Small field boundary tree. Leans north, overhanging Road. Ditch at base. Dense ivy on main stem. Signs of vehicle damage to northern part of canopy.		C ,2	Medium
T419	Pedunculate oak	8.0	1.5	475	3	4.0	5.0	6.0	5.0	1.5	E	Middle Age	Fair	Trifurcate field boundary tree. Ditch to north side. Some ivy on main stems. Minor dead wood in crown. Pruning wounds with some stubs and decay.		B ,2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T420	Pedunculate oak	7.0	0.5	434	5	4.0	5.0	5.0	5.5	0.5	E	Middle Age	Good	Squat field boundary tree. Multi-stemmed form. Some small broken branches and stubs. No major defects.		B ,2	Long
T421	Pedunculate oak	9.0	4.0	730	1	5.5	7.0	8.0	4.5	3.0	W	Mature	Fair	Isolated field oak with ploughing to within 1.5m on all sides. Top-heavy form due to removal of lower branches. Stem bow and crown bias east. Longitudinal stem cavity from ground level to 2m on western side.		B ,1	Long
T422	Hybrid black poplar	14.0	4.0	360	1	4.0	4.0	4.0	4.0	4.0	N	Middle Age	Good	Vigorous tree with typical upright form. Growing from within dense hedge.		B ,1	Long
T423	Hybrid black poplar	13.0	4.0	320	1	4.0	4.0	3.0	4.0	4.0	NW	Middle Age	Good	Vigorous tree with typical upright form. Growing from within dense hedge. Dead ivy tendrils cladding main stem. Early leaf loss compared to other trees in the vicinity.		B ,1	Long
T424	Hybrid black poplar	13.0	4.0	409	3	4.0	5.0	4.0	4.0	3.5	S	Middle Age	Fair	Basally tri-stemmed, possibly two trees but forming a single crown. Growing from within dense hedge. Dead ivy tendrils cladding main stem. Early leaf loss compared to other trees in the vicinity.		C ,1	Long
T425	Hybrid black poplar	14.0	4.0	400	1	5.0	4.0	4.0	4.0	3.5	N	Middle Age	Good	Vigorous tree with typical upright form. Growing from within dense hedge.		B ,1	Long
T426	Pedunculate oak	13.0	4.0	560	1	5.0	6.0	5.0	5.0	3.0	N	Mature	Good	Good form and balanced crown. Growing from within dense hedge. No significant visible defects. Dead ivy tendrils cladding main stem.		A ,1	Long
T427	Pedunculate oak	8.0	3.5	580	1	3.5	5.0	5.0	4.0	3.0	W	Mature	Fair	Isolated field oak with ploughing to within 1m on all sides. Compact high-crown due to removal of lower branches. Small cavity opening on South side of stem at 0.5m with suspected hollowing of trunk from probing; limited visible reaction growth.		B ,1	Medium
T428	Pedunculate oak	8.0	3.5	450	1	5.0	5.0	5.0	6.0	4.0	SW	Mature	Fair	Squat form with no apical dominance, possibly due to loss of former central stem/branches.		B ,1	Medium
T429	Pedunculate oak	7.0	3.0	600	1	5.0	7.0	6.0	6.0	2.0	SW	Mature	Fair	One of several hedgerow oaks growing on ditch bank. Squat form. Moderate deadwood development in southern crown. Ploughing to within 1m on west side.		C ,1	Medium
T430	Pedunculate oak	7.0	3.0	350	1	5.0	5.0	5.0	5.0	3.0	W	Middle Age	Fair	One of several hedgerow oaks growing on ditch bank. Top heavy crown due to removal of lower branches. Ploughing to within 1m on West Side.		B ,1	Medium
T431	Pedunculate oak	6.0	3.0	340	1	4.0	5.0	5.0	4.0	3.0	SE	Middle Age	Fair	One if several hedgerow oaks growing on ditch bank. Top heavy crown due to removal of lower branches leaving stubs. Ploughing to within 1m on West Side.		B ,1	Medium
T432	Pedunculate oak	8.0	5.0	520	1	3.0	2.0	2.5	2.0	5.0	W	Middle Age	Poor	Decaying pole with small live crown. Possible lightning strike that has killed the cambium on the southern side of the trunk.		U	Short
T433	Pedunculate oak	8.0	3.0	520	1	4.5	4.5	4.0	5.0	3.0	W	Middle Age	Fair	Retrenched compact lower crown due to possible lightning strike that has killed the cambium on the entire southern side of the trunk. Ploughing to within 1m on north, south and east sides.		C ,3	Medium
T434	Pedunculate oak	7.0	1.0	670	1	6.0	6.0	6.0	6.0	2.0	NW	Mature	Fair	Squat form due to secondary crown generation following main leader decline. Now with a rounded balanced canopy. Longitudinal wound from ground level to main branch union at 2m on northern side of stem; old Fistulina hepatica fungal brackets present.		B ,1, 3	Long
T435	Grey willow	4.0	0.5	220	6	7.0	3.0	6.0	6.0	0.5	W	Middle Age	Poor	Crown formed from regrowth from a cut or failed parent stump. New shoots splay east and west leaving a central void, possibly due to ductile failure.		C ,1	Short
T436	Pedunculate oak	11.0	5.0	820	1	7.0	6.5	7.0	7.0	3.5	S	Mature	Fair	Isolated field ok with ploughing to within 1m on all sides. Compact high-Crown please due to removal of lower branches. Small cavity extending into and along southern limb; old Laetiporus sulphureus fungal brackets on ground.		B ,1	Long
T437	Pedunculate oak	8.0	1.0	840	1	5.0	8.0	8.0	7.0	1.5	S	Mature	Poor	One of several hedgerow oaks growing on shallow ditch bank. Squat form with stem lean south-east. Moderate deadwood development in south-east crown. Ploughing to within 2m on east and west side. Longitudinal column of decay up main stem with moderate hollowing.		B ,3	Long
T438	Pedunculate oak	14.0	4.0	820	1	7.5	8.0	8.5	8.0	3.0	SW	Mature	Good	One of several hedgerow oaks growing on shallow ditch bank. Good form with no significant visible defects. Ploughing to within 1m on west side.		A ,1	Long
T439	Pedunculate oak	10.0	3.0	720	1	6.0	6.0	6.0	6.0	2.0	NE	Mature	Good	One of several hedgerow oaks growing on shallow ditch bank. Good form with no significant visible defects. Ploughing to within 1m on west side. Flail damage to lower branches.		A ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T440	Pedunculate oak	12.0	3.0	920	1	7.0	8.0	9.5	8.0	2.5	W	Mature	Good	One of several hedgerow oaks growing on shallow ditch bank. Good form with no significant visible defects. Minor deadwood in central crown.		A ,1	Long
T441	Pedunculate oak	10.0	2.0	400	1	4.0	6.0	5.0	2.0	2.0	S	Middle Age	Poor	One of several hedgerow oaks growing on shallow ditch bank. Suppressed form due to dominant oak to north-west. Moderate development resulting in reduced crown density.		C ,1	Medium
T442	Pedunculate oak	13.0	3.0	920	1	8.0	8.0	8.5	8.0	2.5	NW	Mature	Good	One of several hedgerow oaks growing on shallow ditch bank. Good form with no significant visible defects. Minor deadwood in central crown.		A ,1	Long
T443	Pedunculate oak	3.0	0.5	450	1	1.0	0.5	0.5	1.0	1.5	NW	Middle Age	Poor	Almost dead with only one live branch. Stem heavily decayed.		U	Short
T444	Pedunculate oak	12.0	2.5	580	1	4.0	9.0	8.0	9.0	2.0	SE	Middle Age	Good	One of a pair of oaks forming a conjoined crown. Decaying branch in central crown. Ploughing to within 1m on west side. Flail damage to lower branches.		B ,1	Long
T445	Pedunculate oak	13.0	3.0	680	1	6.0	4.5	9.0	8.0	3.5	E	Middle Age	Good	One of a pair of oaks forming a conjoined crown. No significant visible defects. Ploughing to within 1m on west side.		A ,1	Long
T446	Pedunculate oak	9.0	4.0	650	1	5.0	4.5	4.5	5.0	3.0	SW	Mature	Fair	Isolated field oak with ploughing to within 1m on all sides. Compact crown with removal of lower branches. Longitudinal cavity running up eastern scaffold branch. Old Fistulina hepatica bracket growing at stem base on south-east side.		B ,1	Long
T447	Grey willow	5.0	0.0	441	6	6.0	5.0	7.0	6.0	0.5	E	Mature	Fair	Low broad spreading crown emanating from a multi-stemmed union. Well suited to location on pond bank.		B ,1	Long
T448	Pedunculate oak	14.0	3.0	680	1	7.0	7.0	7.0	7.0	3.0	S	Mature	Good	One of several oaks growing along field boundary. Good form with no significant visible defects. Possible loss of central leader but now replaced by vigorous regrowth.		A ,1	Long
T449	Pedunculate oak	18.0	3.0	1050	1	11.0	10.0	13.0	11.0	2.5	SE	Mature	Good	Fantastic example if a fully mature oak. Condition commensurate with age, with small branch failures and deadwood development.		A ,1, 2, 3	Long
T450	Pedunculate oak	15.0	3.0	940	1	8.0	9.5	9.5	10.0	5.0	W	Mature	Good	Good example of a fully mature oak. Condition commensurate with age, with small branch failures, deadwood and cavity development in central crown.		A ,1, 2, 3	Long
T451	Common ash	10.0	4.0	361	2	5.0	5.0	6.0	5.0	2.5	NE	Middle Age	Fair	Basally twin-stemmed. Growing on pond bank. Upper canopy health indicative of Chalara ash dieback disease infection but not confirmed due to season.		C ,1	Medium
T452	Pedunculate oak	14.0	3.5	980	1	8.0	10.0	8.0	8.0	3.0	N	Mature	Poor	In an advanced state of decline with the canopy formed from epicormic shoot growth along scaffold branches.		U	Short
T453	Pedunculate oak	13.0	4.0	650	1	5.0	9.0	7.0	5.0	5.0	SE	Middle Age	Fair	Reasonable form, slight stem bow and crown boss south-East. Reduced leaf size indicative of low vigour. Ploughing up to stem on east side.		B ,1	Long
T454	Pedunculate oak	9.0	4.0	780	1	6.0	6.0	5.5	5.5	4.0	NW	Mature	Fair	Isolated field oak with ploughing to within 1m on all sides. Compact crown with removal of lower branches. Pronounced buttress flare. Dead decaying branch in south-east canopy.		B ,1	Long
T455	Pedunculate oak	9.0	3.0	690	1	6.0	6.0	6.0	6.0	3.5	E	Mature	Fair	Isolated field oak with ploughing to within 1m on all sides. Compact crown with removal of lower branches. Loss of limb from lower south-west crown has left a gap.		B ,1	Long
T456	Pedunculate oak	14.0	4.0	740	1	7.0	8.0	7.0	7.0	4.5	N	Mature	Good	Isolated field oak with ploughing to within 1.5m on all sides. Excellent form despite the removal of lower branches.		A ,1	Long
T457	Common ash	6.0	0.5	191	2	3.0	2.0	2.5	2.5	1.5	N	Young	Fair	Basally twin-stemmed. Self-set tree along fence line. Flail damage to lower branches on eastern side.		C ,1	Long
T458	Pedunculate oak	6.0	1.0	196	6	3.5	3.5	4.0	2.0	1.5	NW	Young	Fair	Multi-stemmed from 1m. Self-set tree along fence line.		C ,1	Long
T459	Grey willow	4.0	0.5	177	35	4.0	1.5	4.0	4.0	0.5	E	Middle Age	Fair	Typical shrubby form, multi-stemmed from base.		C ,1	Long
T460	Pedunculate oak	12.0	3.0	870	1	7.5	7.5	8.0	7.0	2.5	NW	Mature	Good	Well firmed tree with reasonably balanced crown. Branch fractures in lower southern crown. Field entrance on Eastern canopy edge.		A ,1	Long
T461	Pedunculate oak	14.0	4.0	1080	1	10.0	12.0	10.0	9.0	4.0	NW	Mature	Fair	A very broad structure but with a gap in the upper western canopy due to earlier branch loss; several decaying fracture stubs still present.		B ,1, 3	Long
T462	Common ash	19.0	4.0	680	1	9.0	8.0	7.0	9.0	4.5	NW	Mature	Fair	Fully mature tree growing on brook bank. Prominent feature due to its height. Multiple branch failures in lower and eastern crown; unclear if these are natural or mechanical. Ploughing to within 3.5m on north side. Heavily ivy clad stem and scaffold branches.		B ,1	Medium
T463	Pedunculate oak	11.0	4.0	780	1	8.0	9.0	8.0	8.0	4.0	NW	Mature	Good	One of several oaks growing along field boundary. Good form with no significant visible defects. Minor deadwood and stubs in lower crown.		A ,1	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T464	Pedunculate oak	9.0	4.0	540	1	7.0	8.0	7.0	7.0	2.5	E	Mature	Good	One of several oaks growing along field boundary. Good form with no significant visible defects. Minor deadwood and stubs in lower crown.		A ,1	Long
T465	Pedunculate oak	5.0	2.0	600	1	3.0	3.0	2.0	2.5	2.0	N	Mature	Poor	Retrenched form with thick stem now supporting a much reduced canopy. Stag headed deadwood indicating progressive decline.		C ,1	Long
T466	Pedunculate oak	8.0	3.5	410	1	5.0	6.0	5.0	5.0	3.0	NW	Middle Age	Good	Well formed hedgerow oak. Balanced crown with other minor deadwood.		B ,1	Long
T467	Grey willow	4.0	0.5	411	3	4.0	4.0	5.0	4.0	1.0	W	Middle Age	Good	Squat and wide spreading willow tree adjacent to watercourse. Multi-stemmed with stems growing along ground. Dense canopy. Lower branches grazed.		B ,1	Long
T468	Common hawthorn	5.0	0.0	316	3	2.5	3.0	3.5	3.0	0.0	E	Middle Age	Good	Basally multi-stemmed hawthorn tree on south side of ditch. Tight and included unions. Flailed back in northern canopy over ditch.		C ,1	Medium
T469	Grey willow	9.0	0.5	849	8	4.5	5.0	6.0	8.0	1.0	W	Mature	Good	Large multistemmed tree between track and wetland area. Pruned to east to clear road - flush cuts. Tight unions with fusing stems. Congested crown.		B ,3	Long
T470	Grey willow	9.0	1.0	794	7	7.0	3.0	7.0	7.5	1.5	NE	Mature	Fair	Large tree between road and pond. Hardstanding right to base south. Heavily pruned to South with numerous wounds. Some small cavity formation. Multistemmed form with tight unions and congested crown		B ,3	Long
T471	Silver birch	13.0	1.0	370	1	4.5	5.0	5.0	5.0	2.0	E	Middle Age	Good	Open grown tree next to river. Even crown form. Bifurcate at 2m with good union. Some small broken branches		B ,1, 2	Long
T472	Goat willow	9.0	2.0	529	7	5.0	5.0	5.0	5.0	1.5	N	Middle Age	Good	Forms part of wider willow group next to road and entrance to nature reserve. Multi-stemmed form with included unions. Rounded canopy. Shade deadwood.		B ,1, 2	Long
T473	Common ash	12.0	1.0	300	1	4.0	4.0	4.0	4.0	1.0	E	Middle Age	Fair	Tree at edge of field in overgrown area. Some minor tip dieback evident that is orangey in colour, indicating ash dieback disease. Rounded canopy form.		C ,1	Short
T474	Crack willow	10.0	1.0	441	6	5.0	7.0	6.0	6.0	1.5	S	Middle Age	Good	Large multistemmed tree next to river. Crown bias to south. Unable to access due to dense undergrowth. Typical form		B ,1, 2	Long
T475	Goat willow	6.0	1.0	367	3	4.0	4.0	4.0	3.5	1.5	W	Middle Age	Good	Tree at edge of field adjacent to fence. Multi-stemmed with climbing plants growing over unions and obscuring view. Squat and rounded form and immediately beneath electricity cables.		B ,1	Long
T476	Hybrid black poplar	22.0	5.0	1300	1	11.0	10.0	12.0	15.0	3.0	E	Mature	Fair	Huge open grown tree next to unusual concrete structure. Large limb failures with tear out wounds in upper crown. Some pruning wounds and stubs. Crown raised to north over road.		B ,2	Medium
T477	Lawson cypress	13.0	1.0	750	1	4.5	6.0	5.0	5.0	1.0	E	Mature	Good	Large upright tree. Prominent. Typical form. Dead wood in crown. No major defects		B ,1, 2	Long
T486	Pedunculate oak	8.0	1.0	760	3	6.0	6.0	6.0	6.0	1.5	W	Mature	Good	Trifurcate oak tree immediately adjacent to footpath. Slight lean to east. Squat and rounded form. Flailed lower limbs creating some small areas of bud proliferation on stems. Some deadwood stubs.		A ,1	Long
T488	Pedunculate oak	17.0	1.5	940	1	10.0	10.0	10.5	9.5	2.0	NW	Mature	Good	Tree adjacent to road and public bridleway. Multi-stemmed at c. 4m with wide unions. Deadwood stubs with occlusion. Crown lifted over road and bridleway. Some epicormic growth in canopy. Moderate deadwood. Electricity wires in canopy over branches.		A ,1	Long
T489	Pedunculate oak	13.0	2.5	400	1	4.0	4.0	4.0	4.0	3.5	N	Middle Age	Good	Tree within residential garden adjacent to field. Tall columnar form. Some bifurcation in canopy. Inspection restricted by access.		B ,1	Long
T490	Corkscrew willow	5.0	1.0	320	1	2.0	9.0	2.5	3.0	2.0	SW	Middle Age	Good	Tree within residential garden adjacent to field. Inspection restricted by access. Leans and grows heavily to south with a support underneath over extended southern branch. Bifurcate at c. 2.5m up stem.		B ,1	Long
T491	Silver birch	8.0	2.0	200	1	2.0	2.0	2.5	3.0	2.5	NW	Middle Age	Good	Tree within residential garden adjacent to field. Slight lean to west. Reasonably tall and columnar form for size. Inspection restricted by access.		C ,1	Medium
T492	Blue Atlas cedar	10.0	2.0	450	1	3.5	4.0	4.0	4.0	2.0	W	Middle Age	Good	Tree within residential garden adjacent to field. Inspection restricted by access. Typical form for species. No major visible defects noted.		B ,1	Long
T493	Goat willow	8.0	3.5	430	1	3.0	4.0	3.0	3.0	3.0	E	Middle Age	Fair	Tree within boundary group around field and next to bridleway. Bifurcate at c. 2m. Fairly narrow form due to surrounding trees. Minor deadwood.		B ,1	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T494	Common ash	8.0	2.0	520	1	4.5	2.0	3.0	3.5	3.0	S	Middle Age	Poor	Moribund tree in middle of field. Cavity in western stem with bat potential.		U	Very Short
T495	Common ash	7.0	2.5	460	1	1.5	1.0	1.0	1.0	2.5	NW	Middle Age	Dead	Dead tree in middle of field.		U	Very Short
T496	Common ash	8.0	2.5	480	1	2.0	2.5	3.0	2.5	2.5	NW	Middle Age	Dead	Dead tree in middle of field.		U	Very Short
T497	Pedunculate oak	8.0	2.0	700	1	7.5	7.5	8.0	7.5	2.0	NW	Mature	Good	Tree within gap in field boundary hedge. Bifurcate at c. 2.5m with a wide union. Flailed lower limbs leading to epicormic growth and bud proliferation on lower stem. Slight lean to south. Moderate deadwood. Squat form.		A ,1	Long
T498	Pedunculate oak	7.0	2.0	780	1	6.0	6.0	6.5	5.5	2.0	NW	Mature	Fair	Tree within gap in field boundary hedge. Bifurcate at c. 2.5m with a wide union. Flailed lower limbs leading to epicormic growth and bud proliferation on lower stem. Slight lean to south. Moderate deadwood with small amount of major in western canopy. Western canopy slightly suppressed by adjacent Ash tree. Wound on northernmost stem above bifurcation point with some occlusion. Squat form.		A ,2	Long
T499	Common ash	14.0	2.5	600	1	7.5	5.5	6.5	6.0	4.0	E	Middle Age	Fair	Tree within field boundary hedge. Bifurcate at c. 3m with a wide union. Fairly rounded canopy. Moderate deadwood. Some tip dieback evident, although this appears relatively minor at present.		B ,2	Medium
T500	Pedunculate oak	8.0	2.0	740	1	8.5	8.0	8.0	8.5	2.0	W	Mature	Good	Open grown oak tree in middle of field. Ground poaching around base. Bifurcate at c. 4m with wide union. Moderate deadwood and previous limb failures. Good health and vigour.		A ,1, 2	Long
T501	Common ash	7.0	1.5	370	1	3.5	3.5	3.5	3.5	1.0	S	Middle Age	Fair	Tree within field boundary roadside group. Bifurcate at c. 2m with further bifurcation above. Minor tip dieback.		B ,1	Medium
T502	Pedunculate oak	10.0	2.5	730	1	5.0	7.0	4.5	6.0	2.5	NE	Mature	Fair	Tree at corner of field adjacent to copse. Leans to south-west. Bifurcate at c. 2.5m. Previously failed large branches and North-western stem has failed previously. Moderate deadwood in canopy. Eastern canopy slightly suppressed by adjacent tree.		B ,2, 3	Long
T503	Pedunculate oak	3.0	1.0	176	3	2.5	1.5	2.0	2.5	1.0	W	Middle Age	Good	Small but vigorous self-set tree.		C ,1	Long
T504	Scots pine	7.0	1.5	330	1	4.5	4.0	4.0	4.0	2.0	S	Middle Age	Good	Tree on pond bank next to fence. Minor shade deadwood. Slight stem kink to south-west. Flailed lower limbs field side.		B ,1	Long
T505	Rhododendron species	4.0	0.0	379	10	5.0	3.5	3.0	4.0	1.0	SE	Middle Age	Good	Basally multi-stemmed tree on pond bank. Flailed limbs east side. Ground poaching to east of base.		C ,1	Medium
T506	Pedunculate oak	9.0	1.5	650	1	6.0	5.5	6.0	6.0	2.5	N	Middle Age	Good	Tree on pond bank. Canopy does not overhang field and appears fairly rounded. Inspection restricted by access and undergrowth. Leans to south. Appears healthy and vigorous.		A ,1	Long
T514	Small-leaved lime	14.0	0.0	990	8	6.0	5.0	6.0	5.0	1.0	W	Mature	Good	Appears to be twin stemmed tree with well established basal epicormic growth, with overall multi-stemmed form; very limited basal observations; lower branches flailed west over field boundary.		B ,1, 2	Long
T516	Sycamore	13.0	1.0	812	4	5.0	6.0	7.0	5.0	1.0	W	Mature	Good	Multi-stemmed tree on bank of small pond; healthy; limited access.		B ,1	Long
T517	Horse chestnut	18.0	5.0	950	1	5.5	4.0	6.0	5.0	4.0	W	Mature	Fair	Large tree within roadside tree belt; basal decay with Ganoderma resinaceum wood decay fungi fruiting from base; decay extending into buttress roots; bark shedding on trunk to 5m high, exposing patches of sapwood hosting Armillaria spp. rhizomorphs and decay; previous branch failures; possible habitat features; tree posing potential risk to road users and agricultural land; valuable habitat feature.	Reduce to 3-5m tall habitat pole; retain arisings on ground as large pieces of deadwood habitat and as habitat piles derived from small diameter arisings.	U	Medium
T518	Hybrid black poplar	20.0	6.0	850	1	11.0	1.0	8.0	7.0	2.5	NE	Mature	Good	On field boundary as component of wider tree belt; heavy stem lean north.		B ,1	Long
T519	Pedunculate oak	9.0	3.0	760	1	5.0	5.0	5.0	7.0	4.0	NW	Middle Age	Good	Open grown tree in field; healthy.		B ,1, 2	Long
T520	Pedunculate oak	11.0	2.0	750	1	5.0	9.0	6.0	6.0	4.0	SE	Middle Age	Good	Open grown tree in field; healthy.		B ,1, 2	Long
T521	Pedunculate oak	12.0	2.0	850	1	6.0	7.0	6.0	8.0	3.0	SW	Mature	Good	Open grown tree in field; healthy; past storm damage, dead and hanging upper limb, no notable targets but agricultural traffic evident beneath canopy; potential habitat features.	Remove hanging limb; low priority.	B ,1, 2, 3	Long
T522	Native black poplar	23.0	3.0	1500	1	9.0	3.0	8.0	10.0	6.0	W	Mature	Good	Large example of species at maturity; massive girth around base of trunk; basal cavities with decay and hollowing evident in lower trunk, full extent unknown; cavitation and decay may have been factor in reaction wood formation resulting in large stem girth; heavy stem lean north; lower limb failed north; UKBAP Priority Species of significant conservation value. Notable tree but not veteran. Potential future veteran candidate.		A ,1, 3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T523	Common hawthorn	3.0	0.5	160	3	1.0	2.0	0.5	1.0	0.5	SW	Middle Age	Fair	Unremarkable tree.		C ,1	Medium
T524	Common hawthorn	2.0	1.0	131	5	2.0	2.0	0.5	2.0	1.0	W	Middle Age	Fair	Unremarkable tree.		C ,1	Medium
T525	Common hawthorn	5.0	0.0	271	4	4.0	3.0	2.0	3.0	0.0	W	Middle Age	Good	Small tree, rounded canopy form; healthy.		C ,1	Long
T526	Common ash	10.0	2.0	600	1	6.0	7.0	8.0	8.0	2.5	NW	Middle Age	Good	Hedgerow tree; good health; exposed, damaged roots, cattle.		B ,1	Long
T527	Pedunculate oak	15.0	1.0	1026	2	5.0	12.5	10.0	12.0	1.5	S	Mature	Good	Large and basally bifurcate Oak tree at top of sloped bank leading down to field and ditch. Heavily ivy clad restricting inspection. Pruned and crown lifted lower limbs roadside. Crown slightly suppressed to North due to proximity of adjacent tree. Small amount of deadwood.		A ,1, 2	Long
T528	Sycamore	6.0	2.0	230	1	4.0	3.0	2.0	3.5	2.0	S	Middle Age	Good	Small tree within boundary hedge. Heavily ivy clad. No major defects noted.		C ,1	Medium
T529	Pedunculate oak	15.0	1.0	980	1	8.0	9.5	8.0	8.0	2.0	NW	Mature	Fair	Large tree on field boundary that slopes down steeply to West. Bifurcate at c. 3m. Slight lean to South-West. Occasional branch failures evident in canopy. Moderate deadwood. No major defects noted.		A ,1	Long
T530	Pedunculate oak	12.0	1.0	1000	1	9.0	9.0	7.0	8.0	2.0	N	Mature	Fair	Large tree on field boundary that slopes down steeply to West. Heavily ivy clad restricting inspection and view into central canopy. Stem leans to North-West. Moderate deadwood. Squat form. Canopy biased to North. Grass and debris like to North of tree immediately adjacent to base.		A ,1	Long
T531	Rowan	4.0	2.0	91	4	1.5	1.5	1.5	1.5	2.0	N	Middle Age	Good	Small tree at corner of residential garden.		C ,1	Medium
T532	Crack willow	16.0	2.0	602	2	5.0	10.0	6.0	10.0	2.0	W	Middle Age	Fair	Willow tree within wet reed area. Basally Bifurcate with Southern stem having failed previously but still attached and growing, creating heavy southern canopy bias. Previous branch failures evident. Hazard beam forming on North side of lower Western branch with bat potential.		B ,2, 3	Medium
T533	Pedunculate oak	5.0	1.0	570	1	2.5	3.5	4.0	4.0	1.0	E	Middle Age	Fair	Squat tree at edge of field next to ditch. Pruned limbs with remnant stubs. Central leader has died previously, leaving a gap in upper canopy. Small dead branches throughout. Remaining live branches have plenty of buds and appear healthy and vigorous.		C ,1	Short
T534	Sycamore	6.0	1.5	140	1	2.0	2.0	2.0	2.0	2.0	SE	Middle Age	Good	Self set tree on sloped canal Bank.		C ,1	Medium
T535	Pedunculate oak	15.0	1.0	680	1	8.0	8.0	8.0	8.0	1.5	E	Middle Age	Good	Large tree within copse of willow, elder and hawthorn at field edge and at top of steep bank down to canal path. Previous limb failures with remnant stubs. Rounded canopy form with typical open inner crown structure. An attractive tree in good health and vigour.		A ,1, 2	Long
T536	Sycamore	16.0	1.0	766	4	8.0	8.0	8.0	8.0	2.0	W	Mature	Good	Large basally multi-stemmed tree at top of bank to North of canal path. Rounded and wide spreading form. Occasional small limb failures. Stem unions appear a little tight and included.		A ,2	Long
T537	Crack willow	15.0	2.0	495	2	6.0	4.0	8.0	8.0	2.0	E	Middle Age	Fair	Willow tree growing to North-east of larger sycamore at top of bank. Basally bifurcate. Easternmost stem had shaped and is now hung up in adjacent elder tree, causing Eastern canopy bias. Previous branch failures also evident.		C ,2, 3	Medium
T538	Silver birch	12.0	2.5	230	1	4.0	3.0	2.5	3.5	3.0	NW	Middle Age	Good	Tree at edge of field within garden area. Typical weeping form.		B ,1	Long
T539	Crack willow	17.0	0.0	980	6	13.0	10.0	10.0	10.0	0.0	N	Mature	Fair	Large and mature basally multi-stemmed willow tree at field edge. Heavily ivy clad restricting inspection and view of stems and unions. Previous branch failures typical of species. Wide spreading canopy form.		B ,1, 2	Medium
T540	Pedunculate oak	10.0	2.0	600	1	7.0	7.0	7.0	7.0	2.5	S	Middle Age	Good	Tree located within field boundary hedge on hill adjacent to PRoW. Multi-stemmed at c. 2.5m with wide unions. Wide spreading and rounded canopy with attractive form. 1 small failed branch hung up in north-eastern lower canopy. No major defects noted.		A ,1	Long
T541	White willow	9.0	1.5	794	7	7.0	5.0	10.0	5.0	1.5	N	Mature	Fair	Large, basally multi-stemmed willow tree on canal bank. Stems growing from large stool. 2 western most stems have died and failed/have been removed, leaving an asymmetrical canopy that is heavily biased to east.	Potentially bat tree 261	B ,2, 3	Medium
T542	Pedunculate oak	14.0	3.0	750	1	7.0	7.0	7.0	7.0	3.0	W	Mature	Good	Field boundary tree within hedge on East Side of track. Canopy overhangs track and encroaches over field boundary fence to West slightly. Heavily ivy clad. Ivy and access restricting inspection. Appears to be in good health and vigour.		A ,1	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T543	Pedunculate oak	14.0	3.5	800	1	8.0	7.0	7.0	8.0	3.5	E	Mature	Good	Field boundary tree within hedge on West Side of field. Fairly rounded canopy form. Moderate deadwood. Located in slight land dip. Slight lean to North-East. Appears healthy and vigorous.		A ,1	Long
T548	Pedunculate oak	8.0	2.5	1200	1	5.0	6.0	6.5	6.0	3.0	E	Mature	Good	Squat form with large diameter trunk; burring to mid-trunk, adding to bulbous form; previous tree surgery apparent to remove c. 230mm diameter limb from upper canopy south; small diameter deadwood, posing low risk.		B ,1, 2	Long
T551	Pedunculate oak	10.0	2.0	670	1	6.0	6.0	5.5	5.0	5.0	SE	Middle Age	Good	Open grown tree on west ditch bank between field parcels; healthy with localised, small diameter deadwood in upper canopy; branch cavities, potential habitat features.		B ,1, 3	Long
T552	Pedunculate oak	14.0	2.0	820	1	10.0	6.0	6.0	7.0	3.0	W	Mature	Good	Open grown field boundary tree on south bank of ditch; good form; lower limb failed south, remnant stub; healthy tree; prominent feature in locality.		B ,1, 2	Long
T553	Pedunculate oak	9.0	2.0	850	1	9.0	7.0	6.0	5.0	2.0	S	Mature	Good	Squat, open grown field boundary tree on south bank of ditch; lower limb failed or mechanically broken off south, remnant shattered stub with habitat potential; healthy.		B ,1	Long
T554	Pedunculate oak	19.0	2.0	820	1	6.0	6.0	6.5	6.0	4.0	W	Mature	Good	Open grown tree west of tarmac bellmouth field access; healthy.		B ,1, 2	Long
T555	Pedunculate oak	15.0	5.0	820	1	6.0	6.0	7.0	6.0	4.0	SW	Mature	Good	Open grown tree within wider roadside tree belt; healthy with well balanced form; amenity value.		B ,1, 2	Long
T556	Hybrid black poplar	20.0	3.5	600	1	7.0	7.0	7.0	6.5	3.0	SE	Middle Age	Good	Larger tree in roadside tree belt; good health; amenity value.		B ,1, 2	Long
T557	Pedunculate oak	10.0	2.0	830	1	5.0	5.0	8.0	7.0	3.0	E	Mature	Good	Roadside tree in good health; mature component of wider middle aged tree belt; ivy clad; limited access.		B ,1, 2	Long
T558	Pedunculate oak	15.0	2.0	800	1	5.0	9.0	9.0	7.0	4.5	S	Mature	Fair	Storm damaged tree subject to whole stem failure at 5m; well established canopy regeneration; large crack down trunk base north from point of failure above; habitat features.		B ,3	Long
T559	Pedunculate oak	16.0	0.5	770	1	7.0	6.0	8.0	7.0	2.5	NW	Middle Age	Good	Open grown tree on field boundary adjacent pond; healthy.		B ,1, 2	Long
T560	Pedunculate oak	17.0	1.0	840	1	5.0	8.0	8.0	8.0	3.0	SE	Mature	Fair	Open grown tree with excellent form but with partially failed trunk; three longitudinal cracks on north, east and west faces; long term prospects limited; currently healthy and posing low risk.	Carry out routine Visual Tree Assessments to monitor cracks for further propagation; for presence of wood decay fungi and associated decay; and to determine requirement for remedial tree works.	C ,1	Medium
T561	Poplar species	16.0	1.0	1200	1	8.0	15.0	15.0	5.0	1.0	SE	Mature	Fair	Large tree at roadside. Occluded large pruning wounds on lower stem showing signs of bleeds. Northern stem over road has been topped and has large epicormic regrowth and partially occluded bark damage. Some medium deadwood.		C ,1	Medium
T562	Pedunculate oak	6.0	1.5	320	1	5.5	4.0	3.0	2.0	2.0	SE	Middle Age	Fair	Hedgerow tree with wet ditch to the east. Classic gnarly shape. One half of bifurcated top lost. Wound partially occluded. Some minor deadwood.		C ,1	Long
T563	Pedunculate oak	8.0	2.0	650	1	6.0	7.0	6.0	4.5	2.5	SE	Mature	Good	Hedgerow tree. Trifurcates at 2.5m then two systems immediately bifurcate creating hand like form. Wet ditch to east. Good vigour. Some medium deadwood.		B ,1	Long
T564	Pedunculate oak	7.0	2.0	370	1	4.0	4.5	4.0	3.5	1.5	E	Middle Age	Fair	Hedgerow tree. Some medium deadwood in lower canopy. Typical open grown form.		C ,1	Long
T565	Pedunculate oak	10.0	1.5	690	1	6.0	6.0	6.0	6.0	2.0	E	Mature	Good	Hedgerow tree. Some medium and major deadwood. Some compaction of ground around base and bark loss on exposed roots. Barbed wire occluded into stem. Bifurcates at 4m		A ,1	Long
T571	Common ash	18.0	2.0	920	1	9.0	9.0	6.0	7.0	3.0	SW	Mature	Fair	Large open grown tree on old hedge-line. Ditch to west side. Some dead tips. Some major deadwood. Medium lower limb loss with small amount of occlusion which may indicate low vigour.		B ,1	Medium
T572	Pedunculate oak	12.0	2.0	870	1	6.0	6.0	6.0	6.0	2.5	SE	Mature	Good	Open grown tree on old hedge-line. Ditch to west. Some major deadwood. Historic limb failures. Bifurcates at 5m.		A ,1	Long
T573	Common ash	10.0	1.5	840	1	3.0	9.0	3.0	6.0	2.0	NW	Mature	Poor	Field boundary tree in ditch. Part of old hedge-line. Significant quantities of deadwood. Roots on surface of bank above have missing bark and cavities. Line of dead bark/cavity down western side of stem. Large Inonotus brackets present on branches. Suppressed on north east side by neighbouring oak.		C ,1	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T574	Pedunculate oak	12.0	2.0	750	1	4.5	3.0	4.5	3.0	3.0	N	Mature	Poor	Tree on old hedge-line. Cavity on north side with dead timber inside. Good reaction wood growth demonstrates good vigour. Medium and major deadwood present. Bark missing from most of buttress bases and surface roots.		C ,1	Long
T575	Pedunculate oak	10.0	2.0	740	1	5.0	5.0	6.0	6.0	3.5	SE	Mature	Fair	Tree in old hedge-line. On west side of ditch. Open grown canopy. Some major deadwood and cavities. One cavity stuffed full of twigs.		B ,1	Long
T576	Pedunculate oak	10.0	2.0	740	1	8.0	8.0	8.0	8.0	2.0	SW	Mature	Good	Open grown tree on old hedge-line. Ditch to west. Medium and major deadwood. Bark damage to buttresses. White fungus on surface of some limbs.		A ,1	Long
T577	Pedunculate oak	8.0	1.5	480	1	6.0	5.0	3.0	4.0	2.5	N	Mature	Poor	Open grown tree in old hedge-line. Ditch to west. Many dead branches and tips.		C ,1	Medium
T581	Pedunculate oak	10.0	1.5	650	1	5.5	5.0	6.0	6.0	2.5	S	Mature	Fair	Open grown tree in hedgerow. Wet ditch to south. Wide bifurcation at first fork. Spreading, twisty growth pattern. Some medium and minor deadwood.		B ,1	Long
T582	Pedunculate oak	6.0	1.5	550	2	1.5	5.0	1.5	5.0	1.5	S	Mature	Poor	Mostly moribund tree with one living epicormic stem growing from large burr at base. Wet ditch to south.		C ,1	Long
T583	Goat willow	5.0	0.0	632	10	2.0	6.0	4.0	3.0	0.0	S	Middle Age	Poor	Twin stems. Rotted at base and fallen across ditch but continuing to grow as would be expected for species. Wet ditch at base.		C ,2	Short
T584	Pedunculate oak	15.0	2.0	860	1	5.0	5.0	6.0	4.5	2.0	E	Mature	Fair	Large mature tree with wet ditch to south. Significant quantities of deadwood in lower canopy. Epicormic twigs throughout canopy. Ground around base poached by livestock.		B ,1	Long
T585	Pedunculate oak	9.0	2.0	720	1	7.0	7.0	7.0	7.5	1.5	SW	Mature	Fair	Tree on bank of brook. Some medium and minor deadwood. Some minor cavities and burrs on stem. Open grown twisting form.		B ,1	Long
T586	Pedunculate oak	14.0	2.0	850	1	5.0	7.0	5.0	5.0	1.5	S	Mature	Fair	Hand-like form with multiple stems arising from first fork. Significant cavity with bat potential at this point. Major and medium deadwood. Reaction wood growth around cavities shows good vigour.		B ,1	Long
T587	Pedunculate oak	9.0	2.0	900	1	5.0	5.0	4.0	4.0	2.0	W	Mature	Poor	Heavily burred stem with signs of previous crack from first fork to base which has fully occluded. Medium deadwood. Epicormic growth on branches. Occluding round fence wire. Leaning over brook.		C ,1	Long
T588	Pedunculate oak	10.0	2.0	720	1	4.0	4.0	5.0	5.0	2.0	NW	Mature	Poor	Moribund tree on bank of brook. Naturally retrenching with medium branches broken off and epicormic growth begun. Multiple bulges on stem may indicate internal damage.		C ,1	Long
T589	Crack willow	7.0	1.0	474	40	3.0	3.0	3.0	3.0	1.0	N	Mature	Poor	Collapsed hollow tree lying in stream. Has multiple stems regrowing at all points along including from original base.		C ,1	Medium
T590	Pedunculate oak	15.0	2.0	680	1	6.0	6.0	5.0	5.0	2.5	SW	Mature	Fair	Tree on bank of brook. Leaning over water. Medium and minor deadwood.		B ,1	Long
T591	Pedunculate oak	12.0	2.0	1000	1	7.0	7.0	7.0	7.0	2.0	NW	Mature	Fair	Large open grown form. Ivy high into canopy. Multiple burrs on stem. Medium deadwood.		B ,1	Long
T592	Pedunculate oak	16.0	2.0	700	1	5.0	4.0	6.0	4.0	2.0	E	Mature	Fair	Ivy covered tree on bank of brook. Ivy so old it has 180dbh stem. Multiple bulges on stem. Etiolated form.		C ,1	Long
T593	Pedunculate oak	16.0	2.0	1000	1	7.0	7.0	5.0	6.0	2.5	S	Mature	Fair	Large tree on bank of brook. Some medium and minor deadwood. Some epicormic growth along branches. Ground heavily compacted by animals.		B ,1	Long
T594	Pedunculate oak	10.0	4.0	600	1	4.0	3.0	6.0	3.0	5.0	E	Mature	Poor	Tree on opposite side of brook. Dead on west side. Roots visibly rotted away on edge of brook. Leaning away from larger tree to west.		C ,1	Long
T595	Pedunculate oak	16.0	2.0	1100	1	8.0	8.0	7.0	8.0	2.0	SE	Mature	Fair	Large mature tree on bank of brook. Some major deadwood. Some minor cavities. Evidence of previous occlusion of stem around fence wire.		A ,1	Long
T596	Pedunculate oak	16.0	2.0	1000	1	8.0	8.0	8.0	9.0	3.0	NE	Mature	Good	Large open grown tree with good form. Trifurcates at first fork. Some medium and major deadwood. Wet ditch to south.		A ,1	Long
T597	Pedunculate oak	14.0	2.0	650	1	5.0	6.5	6.0	6.0	2.5	W	Mature	Good	Large open grown tree in hedgerow. Wet ditch to east. Some medium and major deadwood.		A ,1	Long
T598	Pedunculate oak	9.0	2.0	680	1	6.0	7.0	6.0	4.5	2.0	N	Mature	Fair	Open grown hedgerow tree. Dog rose climbing into canopy. Wet ditch to east. Medium deadwood.		B ,1	Long
T599	Pedunculate oak	8.0	2.0	600	1	4.0	4.0	4.0	5.0	2.0	W	Mature	Fair	Open grown tree in hedgerow. Good form. Wet ditch to east. Some minor deadwood.		B ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T600	Common alder	10.0	2.0	600	9	5.0	3.0	5.0	4.0	2.5	N	Middle Age	Poor	Multi-stemmed tree has included a hawthorn at the base. Some bark damage on lower stems with some reaction wood growth. Some cavities higher up on some stems.		C ,2	Medium
T605	Pedunculate oak	14.0	4.0	720	1	7.0	6.0	3.0	6.0	3.0	W	Mature	Fair	Large oak in old hedge line. Some major deadwood. Open grown form. Dead branch and cavity at centre of second fork.		B ,1	Long
T606	Pedunculate oak	14.0	4.0	680	1	6.0	6.0	6.0	6.0	4.0	W	Mature	Fair	Large oak in old hedge line. Some major deadwood. Open grown form. Large pruning stubs in lower crown.		B ,1	Long
T609	Pedunculate oak	15.0	4.0	780	1	7.0	8.0	7.0	7.0	4.0	S	Middle Age	Good	Open grown tree on edge of field boundary ditch; well balanced form; healthy with localised small diameter deadwood.		B ,1, 2	Long
T610	Pedunculate oak	10.0	3.5	420	1	6.0	4.0	5.0	4.0	2.5	E	Middle Age	Good	Successional tree at end of roadside hedgerow; healthy; small diameter lower branches flailed, dead stubs; field access immediately west.		C ,1	Long
T612	Pedunculate oak	17.0	3.0	900	1	5.5	5.5	5.5	6.0	2.0	NW	Mature	Good	Open grown tree set back from roadside on field boundary; ivy clad, inhibiting observations; at least one branch north appears to have been removed for utility line clearance; good form overall; healthy.		B ,1, 2	Long
T613	Common ash	17.0	4.0	450	1	6.0	2.0	3.0	5.0	0.5	E	Middle Age	Fair	Roadside tree; appears to be suffering from Chalara ash dieback disease; limited visibility from ground level; reasonable condition overall.		C ,1	Medium
T614	Pedunculate oak	16.0	3.0	900	1	6.0	7.0	6.0	7.0	5.0	W	Mature	Good	Open grown tree on western edge of field boundary ditch; balanced form; past storm damage; habitat features; healthy tree with occasional deadwood to 100mm max. diameter.		B ,1, 2, 3	Long
T615	Pedunculate oak	14.0	5.0	900	1	4.0	6.0	7.0	5.0	2.0	SE	Mature	Good	Assumed third party owned tree, growing within residential curtilage; well balanced form; good health; habitat features; lower branches flailed at boundary; small diameter deadwood throughout, posing low risk.		B ,1, 2, 3	Long
T616	Pedunculate oak	12.0	4.5	600	1	5.0	5.0	5.0	5.0	5.0	SE	Middle Age	Good	Open grown tree in centre of field; crops present, tree observed from field boundary to north; limited inspection.		B ,1, 2	Long
T619	Pedunculate oak	14.0	2.0	790	1	7.5	7.0	5.0	9.0	4.0	S	Mature	Good	Open grown tree in field boundary hedgerow; previously twin stemmed, one large co-dominant stem removed; past storm damage, limb loss with tear wound, not recent; remaining structure in good condition and healthy.		B ,1, 2	Long
T620	Common ash	13.0	4.0	720	1	6.0	5.0	4.0	4.0	5.0	N	Middle Age	Poor	Roadside tree with large basal decay cavity; limited visibility within cavity but decay could be extensive; Ganoderma spp. and Inonotus hispidus wood decay fungi present around lower trunk and aerial parts; large, swollen stem due to decay and reactive response growth; deadwood to 150mm diameter; Chalara ash dieback symptoms; long term prognosis poor.	Fell with caution; retain swollen stem bole as ongoing deadwood habitat.	U	Short
T621	Pedunculate oak	10.0	3.0	600	1	5.0	5.5	5.0	5.0	2.0	S	Middle Age	Good	Hedgerow tree with squat form; healthy; potential bat roost feature.	Carry out necessary ecological checks.	B ,1, 3	Long
T622	Pedunculate oak	14.0	2.5	900	1	7.0	7.0	6.0	7.0	3.0	NW	Mature	Good	Open grown tree in hedgerow; slightly asymmetric form due to lower branches removal over road; well balanced form overall; healthy, prominent tree; birds nest in upper canopy.		A ,1, 2	Long
T623	Pedunculate oak	14.0	4.0	870	1	6.0	7.0	6.5	8.0	3.5	SW	Mature	Good	Open grown tree located within farmyard curtilage; good health and condition; potential burrow beneath buttress root to west, limited visibility.	Confirm presence of burrow with qualified ecologist.	A ,1, 2	Long
T624	Horse chestnut	10.0	1.0	400	1	5.0	6.0	6.0	6.0	1.5	S	Middle Age	Good	Successional tree on northern side of shallow ditch.		C ,1	Long
T625	Pedunculate oak	10.0	0.5	780	1	8.0	7.0	6.0	6.0	3.0	NE	Middle Age	Good	Past storm damage causing failure of large diameter stem above main bifurcation; canopy re-established with rounded, squat form; vigorous with plentiful buds; point of failure offering habitat potential.		B ,1	Long
T626	Pedunculate oak	15.0	1.0	650	1	6.0	7.0	5.0	6.0	4.0	SW	Middle Age	Fair	Early crown retrenchment with moderate deadwood to circa 170mm diameter; functioning portions of canopy in good health; source of existing and potential future deadwood habitat.		B ,3	Medium
T627	Sycamore	14.0	3.5	866	3	6.0	6.0	6.0	6.0	3.0	E	Mature	Fair	Large tree in field boundary hedge with gardens to South. Trifurcated from base with bark included unions. Large pruning wounds on lower stem occluding well.		C ,1	Long
T630	Pedunculate oak	15.0	0.5	1510	1	7.0	6.0	7.5	7.0	2.0	W	Mature	Fair	Large stem diameter indicating great age, exacerbated by prolific burring up entire stem. Lower crown beginning to form from epicormic shoot growth but main canopy appears to be vigorous. Unusual fused branch union in mid north-western crown. Minor shade deadwood.		A ,1, 2, 3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T631	Pedunculate oak	11.0	1.5	1120	1	6.0	5.0	6.0	5.0	2.0	S	Mature	Good	Large stem diameter indicating great age, exacerbated by fibre buckling on North side. Minor decay cavity in north-eastern buttress, possibly extending into stem. Central stem is dead with decay seam extending in live bole. Overall crown health is good. Future veteran		A ,1, 2, 3	Long
T634	Pedunculate oak	15.0	3.0	830	1	7.0	8.5	8.0	8.0	2.5	W	Mature	Good	Open grown tree in good health and condition.		A ,1, 2	Long
T635	Common ash	11.0	4.5	529	7	7.0	7.0	6.0	6.0	1.0	NW	Middle Age	Fair	Multi-stemmed tree on northern edge of brook embankment. Epicormic shoots within crown but bud vigour appears good.		B ,2	Long
T636	Pedunculate oak	12.0	4.0	550	1	6.0	7.5	7.0	7.0	1.0	SE	Middle Age	Good	Last tree in adjacent group, slightly open grown. Good form and vigour. Minor broken branches over road.		B ,1, 2, 3	Long
T637	Goat willow	8.0	2.0	370	1	1.5	5.0	2.0	4.0	3.0	W	Middle Age	Good	Previously twin stemmed tree; some basal decay, minor; healthy.		C ,1	Long
T638	Common hawthorn	7.0	3.0	320	1	3.5	2.0	3.0	2.5	0.5	E	Mature	Fair	Open grown tree adjacent track. Flailed to southern edge. Multi-stemmed now fused stem at base.		B ,1, 2	Long
T639	Pedunculate oak	10.0	4.0	262	2	5.0	3.0	2.5	3.5	1.5	W	Middle Age	Fair	Bifurcated at 0.5m. Tree slightly weighted north.		C ,1	Long
T640	Pedunculate oak	7.0	2.5	480	1	3.5	6.0	2.0	2.0	2.0	S	Middle Age	Good	Successional tree; healthy.		C ,1	Long
T641	Common ash	11.0	2.0	350	1	4.0	3.0	3.5	3.0	2.0	W	Middle Age	Fair	Main leader dead and decayed, source of deadwood habitat; otherwise appears in reasonable condition but Chalara ash dieback disease symptoms present.		C ,1	Medium
T642	Sessile oak	17.0	3.0	970	1	6.0	11.0	10.0	7.0	3.0	S	Mature	Good	Large, open grown tree with heavy stem lean south-east; good health and condition; localised small diameter deadwood, typical of age; prominent tree.		A ,1, 2	Long
T643	Common hawthorn	7.0	1.0	600	1	5.0	5.0	5.0	5.0	1.0	E	Mature	Good	Rare example of species at maturity attaining large proportions; healthy tree; good condition with well balanced form.		A ,1	Long
T644	Pedunculate oak	6.0	1.5	630	1	4.0	3.0	4.0	5.0	2.5	W	Middle Age	Good	Previous whole stem failure with ongoing canopy re-establishment; healthy.		C ,1	Long
T645	Pedunculate oak	12.0	1.0	850	1	6.0	7.5	7.0	6.0	2.0	SE	Mature	Good	Open grown tree on edge of pond; healthy.		B ,1, 2	Long
T646	Pedunculate oak	10.0	2.5	700	1	8.0	7.0	9.0	4.0	2.0	N	Middle Age	Good	Open grown tree on edge of and growing across pond; branch tips submerged; healthy tree.		B ,1, 2	Long
T647	Pedunculate oak	15.0	4.0	900	1	7.5	7.5	7.5	7.5	1.5	SE	Mature	Good	Large open grown tree on field boundary. Good form. Some minor deadwood. Holly at base limits inspection.		A ,1	Long
T648	Common hawthorn	4.0	0.5	237	3	1.0	2.0	2.0	2.0	0.5	N	Middle Age	Good	Small roadside tree at field boundary fence line; lower branches recently pruned back from pavement to poor standard; healthy.		C ,1	Long
T649	Elder	2.0	0.5	238	3	0.5	2.0	1.5	1.5	0.5	E	Middle Age	Good	Small roadside tree on field boundary; recently pruned back from pavement to poor standard.		C ,1	Long
T650	Turkey oak	5.0	2.0	169	3	2.0	1.0	2.0	1.0	2.0	E	Young	Good	Self seeded tree at pavement edge outside of field boundary; healthy; recent pruning of lower branches to standard, minor damage to stem bark.		C ,1	Long
T651	Turkey oak	9.0	1.5	250	3	3.0	2.0	3.5	3.0	1.5	W	Middle Age	Good	Healthy successional tree within dense bramble at boundary between road and field parcel; good form and future potential; non-native ornamental species.		C ,1	Long
T652	Turkey oak	8.0	1.0	300	3	0.0	0.0	0.0	0.0	1.0	SE	Middle Age	Good	Healthy successional tree at pavement edge; good form and future potential; non-native ornamental species; some damage to tarmac pavement from root growth.		C ,1	Long
T653	Common hawthorn	7.0	1.0	538	5	1.0	5.0	8.0	3.0	1.5	SE	Mature	Good	Large example of species at maturity; multi-stemmed form, no obvious evidence of pollard management but similar in appearance; wounds and bark damage to stems, some minor areas of associated decay (brown rot); small cavities, habitat potential; healthy canopy with suppressed, asymmetric shape; clearly a longstanding feature, notable for its age, size and condition. Future veteran		A ,1, 3	Medium
T654	Common hawthorn	7.0	0.5	531	5	1.0	6.0	1.5	6.0	1.0	N	Mature	Good	One of several large examples of species at maturity within wider cluster of hawthorn and elder; multi-stemmed form, congested with bracing limbs and included bark junctions; wounds and bark damage to stems and branches, no obvious decay; healthy canopy with suppressed, asymmetric shape; clearly a longstanding feature, notable for its age, size and condition. Future veteran		A ,1, 3	Medium
T655	Common hawthorn	7.0	2.0	463	4	5.0	3.0	2.0	5.0	2.5	SW	Mature	Good	Larger example of species; heavily colonised by ivy, habitat; limited visibility; potential successional veteran tree.	Sever ivy to prevent competition with canopy.	B ,1, 3	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T656	Common hawthorn	6.0	1.0	448	5	5.0	3.5	4.0	2.0	1.0	N	Mature	Good	Typical multi stemmed form; component of wider group containing notable hawthorns; saprophytic fungus species within and beneath stem bark, localised to one stem; healthy canopy; localised area of decay on southern stem with small cavity above; notable longstanding feature.		B ,3	Long
T657	Common hawthorn	5.0	0.0	394	4	4.5	3.5	6.5	2.0	1.0	S	Mature	Good	Sprawling multi-stemmed tree on exposed, slightly stilted roots; long layering branch to east; branch failures and small diameter deadwood; wounds, generally small with no evident decay; clearly a longstanding feature of note.		B ,3	Long
T661	Common beech	12.0	1.0	800	1	6.0	7.0	7.0	7.0	1.0	NW	Mature	Good	Open grown tree on bank of drainage ditch; excellent form; exposed roots in ditch face, one broken; healthy tree.		B ,1, 2	Long
T662	Common ash	14.0	2.0	400	1	3.5	5.0	5.0	5.0	3.5	NW	Middle Age	Fair	Roadside hedgerow tree, likely self seeded; canopy health appears reduced, likely due to Chalara ash die back disease; unable to determine symptoms from ground level; reasonable condition overall; bacterial strip cankers along trunk.	Assess canopy condition when in full leaf to determine disease presence and severity and requirement for further monitoring or tree works.	C ,1	Medium
T663	Wild cherry	6.0	3.0	430	2	4.0	4.0	3.0	4.5	2.5	NW	Middle Age	Good	Hedgerow tree; recently pruned to reduce crown away from power lines; healthy.		C ,1	Long
T664	Common ash	5.0	1.5	277	5	3.5	2.0	1.5	1.5	2.0	S	Middle Age	Fair	Diseased tree of limited merit.	Monitor condition.	C ,1, 3	Medium
T665	Sycamore	10.0	2.5	430	1	5.0	4.5	5.0	5.0	2.0	S	Middle Age	Good	Successional tree in hedgerow; healthy with balanced form; assemblages of lichens along trunk.		C ,1	Long
T666	Common ash	12.0	4.0	481	2	4.0	5.0	6.0	5.0	1.0	E	Middle Age	Fair	Symptoms of Chalara ash dieback disease; long term prospects diminished; currently posing low risk.	Monitor condition.	C ,1	Medium
T667	Sycamore	9.0	3.0	341	2	3.0	4.0	4.5	4.0	2.0	N	Middle Age	Good	Self seeded hedgerow tree of limited value currently, other than as a healthy successional tree.		C ,1	Long
T668	Sycamore	12.0	3.0	500	1	4.0	6.0	5.0	6.0	2.5	W	Middle Age	Good	Larger hedgerow tree; good health and condition.		B ,1	Long
T669	Sycamore	6.0	2.5	140	1	1.0	3.0	3.5	2.0	2.0	E	Middle Age	Fair	Small self seeded tree; unremarkable.		C ,1, 3	Medium
T670	Common ash	4.0	2.5	300	1	1.0	1.0	1.0	0.5	2.5	E	Middle Age	Fair	Form suggests historically layered hedgerow stem; trunk appears hollow with longitudinal crack from close to base arising to an open topped stem hollow; habitat potential; deadwood habitat with evidence of invertebrates.		C ,1	Medium
T671	Sycamore	9.0	3.0	428	3	2.0	4.5	3.0	5.0	2.0	S	Middle Age	Good	Self seeded successional tree in hedgerow; healthy.		C ,1	Long
T672	Common ash	10.0	3.0	580	1	4.0	5.0	4.5	5.0	2.0	S	Middle Age	Fair	Larger hedgerow tree; Chalara ash dieback disease symptoms, fairly advanced.	Monitor condition.	C ,1	Medium
T673	Pedunculate oak	10.0	3.0	600	1	5.0	5.0	6.0	6.0	2.5	S	Middle Age	Good	Open grown hedgerow tree; good form; healthy; flailed branches at roadside.		B ,1	Long
T674	Sycamore	8.0	3.0	371	4	4.0	4.0	3.5	4.0	2.0	N	Middle Age	Good	Self seeded hedgerow tree.		C ,1	Long
T675	Common ash	12.0	2.5	600	1	5.0	6.0	4.5	6.0	2.5	S	Middle Age	Fair	Larger hedgerow tree; advanced Chalara ash dieback disease symptoms.		C ,1	Medium
T676	Common beech	14.0	0.5	819	9	7.0	6.0	8.5	7.0	1.0	SE	Mature	Good	Multi stemmed, open grown tree on shallow banking between field parcel and PRoW west; healthy with well balanced form; stands out from rest of tree belt along right of way.		B ,1	Long
T677	Sycamore	9.0	3.0	650	1	3.0	3.0	3.0	2.5	3.0	N	Middle Age	Fair	Stag headed tree within roadside hedgerow; crown retrenchment and associated aerial deadwood; numerous crevices and cavities with habitat potential, including bat roost potential; decay habitat; lower canopy limited but healthy.	Confirm value of potential habitat features with qualified ecologist.	B ,3	Medium
T678	Sycamore	7.0	3.0	400	1	1.0	3.0	1.0	5.0	2.5	S	Middle Age	Dead	Standing dead stem with a few remaining branches; habitat pole with woodpecker holes and other cavities providing habitat potential; source of deadwood habitat.		B ,3	Very Short
T679	Common hawthorn	5.0	0.5	198	2	2.0	1.0	1.0	2.0	0.5	N	Middle Age	Good	Small self seeded tree.		C ,1	Long
T680	Pedunculate oak	10.0	1.0	600	1	6.0	2.0	5.0	3.0	1.0	NE	Middle Age	Good	Field boundary tree on edge of deep drainage ditch; canopy healthy; lower branches damaged by flail.		B ,1	Long
T681	Common ash	17.0	3.0	999	2	6.0	8.0	8.0	5.0	4.0	NE	Mature	Poor	Large, mature tree on field boundary ditch line; canopy appears dead, some lower shoots live with Chalara ash dieback disease symptoms; large bracket of Inonotus hispidus at base of wound on lower trunk west; east side of trunk encircled by desiccated honey fungus (Armillaria spp.) fruiting bodies, suggesting root decay; potential habitat features; significant source of future deadwood habitat and possible successional veteran tree, retention desirable.	Monitor condition and carry out post storm checks of tree; inform relevant landowner of this recommendation.	B ,3	Medium
T682	Common alder	15.0	2.0	806	4	5.0	7.0	6.0	7.0	2.5	N	Mature	Good	Larger, multi-stemmed tree on southern bank of ditch; excellent form and in good health; prominent tree in landscape from distance.		A ,1, 2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T683	Common ash	18.0	2.0	823	2	7.0	3.0	3.5	6.0	1.0	W	Mature	Fair	Mature tree on east bank of drainage ditch; larger stem to east failed previously, habitat pole remains; deadwood habitat resource with extensive decay; signs of invertebrates colonisation; potential habitat feature; functioning canopy appears healthy, some signs of Chalara ash dieback disease.		B ,3	Medium
T684	Pedunculate oak	12.0	2.0	850	1	7.0	7.0	6.0	8.0	3.0	E	Mature	Good	Larger, more prominent tree within field boundary shelter belt; large torsional crack from main bifurcation to point of next bifurcation in stem to north; partially failed branch to north with associated cavity; otherwise in good structural condition; potential bat roost and habitat features.		B ,1, 3	Long
T685	Elder	3.0	2.0	149	5	1.0	0.5	1.0	0.5	1.0	E	Middle Age	Fair	Unremarkable tree.		C ,1, 3	Long
T686	Sycamore	12.0	1.5	730	1	6.0	6.0	8.0	7.0	3.0	NE	Mature	Good	Large, open grown, field boundary tree. Some minor stem cavities. Old pruning wounds occluded completely. No visible significant defects.		B ,1, 2	Long
T687	Pedunculate oak	18.0	7.0	470	1	8.0	6.0	6.0	6.0	5.0	NE	Middle Age	Good	Roadside amenity tree within small grouping of smaller trees.		B ,1	Long
T688	Sycamore	2.0	1.5	80	1	1.0	0.5	0.5	0.5	1.0	NE	Young	Good	Small self seeded tree; healthy.		C ,1, 3	Long
T689	Sycamore	14.0	2.5	396	2	4.0	5.0	5.0	3.0	3.0	N	Middle Age	Good	Twin stemmed from ground level; growing on bank of narrow brook; healthy.		C ,1	Long
T690	Common alder	12.0	2.5	707	2	6.0	3.0	7.0	6.0	2.0	SE	Middle Age	Good	Larger tree within vegetated corridor along narrow brook; healthy.		B ,1	Long
T691	Pedunculate oak	10.0	1.5	820	1	9.0	6.5	6.5	7.0	2.0	W	Mature	Good	Large tree next to track. Good form and vigour although some epicormic growth on main limbs. Densely covered with ivy on main stem and crown - possibly obscuring defects.		B ,1, 3	Long
T692	Pedunculate oak	9.0	2.0	690	1	8.0	6.0	7.0	9.0	3.0	E	Mature	Good	Large tree next to track. Numerous large broken branches and stubs with some decay. Ivy on main stem and into crown - may be obscuring defects. Good vigour.		B ,1, 3	Long
T693	Pedunculate oak	8.0	2.5	530	1	3.5	4.0	6.5	7.5	2.5	S	Middle Age	Good	Tree on edge of track and in hedge. Typica middle aged field boundary tree. Pruned to North to clear track with some stubs. Minor dead wood in crown.		B ,1	Long
T694	Pedunculate oak	9.0	3.0	790	1	4.0	7.0	7.0	6.0	3.5	S	Mature	Fair	Large field boundary tree. Very large limb removed to north with splits and decay in retained stub. Canopy biased to South. Done well decayed pieces of dead wood in crown. Good vigour.		B ,3	Long
T695	Pedunculate oak	5.0	1.0	482	2	1.5	3.5	2.0	6.5	1.0	E	Mature	Fair	Unusually shaped twin stemmed tree. Old laid form with large horizontal stem. Numerous pruning wounds with done well decayed branch socket cavities. Some broken branches		B ,3	Long
T696	Pedunculate oak	11.0	3.5	950	1	6.0	7.0	6.5	5.0	4.0	S	Mature	Good	Very large field boundary tree. Some large, well decayed stubs. Quite high crown with heavy limbs. Dead wood throughout including well-decayed pieces. Tear out wound to large southern limb. Some cavity formation		A ,1, 3	Long
T697	Pedunculate oak	9.0	3.0	850	1	5.5	7.0	6.5	8.5	4.0	W	Mature	Good	Large field boundary tree. Slightly sparse crown. Ivy on main stem and into canopy. Large amount of dead wood in crown. Numerous small cavities.		B ,1, 3	Long
T698	Pedunculate oak	10.0	3.0	400	1	2.5	3.0	1.0	7.0	2.5	W	Middle Age	Good	Field boundary tree. Suppressed to east with major crown bias to west. Some minor dead wood in crown. Part of small linear group		B ,1	Long
T699	Pedunculate oak	11.0	3.0	700	1	7.0	7.0	4.5	8.0	2.0	SW	Mature	Fair	Large field boundary tree. Suppressed to east. Part of linear group. Multistemmed above 2m. Large decaying stub at 2m to east. Dead wood throughout crown. Some epicormic growth present.		B ,1, 3	Long
T700	Pedunculate oak	9.0	2.5	640	1	8.0	7.0	4.0	3.5	2.0	SW	Middle Age	Fair	Field boundary tree. Suppressed to east and west. Multistemmed above 1.5m. Numerous small stubs. Dead wood throughout.		B ,1, 3	Long
T701	Sycamore	15.0	2.5	900	1	6.0	5.5	6.0	5.0	2.0	N	Mature	Poor	Open grown roadside tree; in decline; deadwood throughout to max 150mm diameter, some overhanging road; dense ivy cover throughout, habitat potential, may be obscuring other habitat features.	Remove all deadwood overhanging road; monitor condition.	C ,1	Short
T702	Common lime	9.0	1.0	400	1	4.0	5.0	5.0	3.0	2.0	N	Middle Age	Good	Successional tree planted within wooden tree guard at field edge; healthy with good future potential.		C ,1	Long
T703	Pedunculate oak	12.0	3.5	700	1	4.0	6.0	5.0	5.5	3.5	S	Mature	Good	Minor deadwood; Thick ivy inhibiting full inspection.	Monitor	B ,1	Medium
T704	Pedunculate oak	9.0	0.0	900	1	6.0	7.0	6.0	7.0	2.5	W	Mature	Good	Open grown hedgerow tree at roadside field boundary; broken, hanging branch east within field, still alive; squat form; healthy tree contributing to rural character of locality.		B ,1, 2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T705	Pedunculate oak	9.0	1.0	950	1	6.0	8.0	7.0	7.0	3.0	NE	Mature	Good	Open grown hedgerow tree at roadside field boundary; well balanced form; healthy tree with amenity and landscape value, contributing to rural character of locality.		A ,2	Long
T706	Pedunculate oak	14.0	3.0	1050	1	9.5	7.5	8.5	8.0	3.0	N	Mature	Good	Some decay evident at base from old wound; Deadwood to 150mm diameter throughout crown; Minor bark damage from ivy severing; Dense ivy in lower canopy inhibiting full structural inspection.	Remove deadwood over road; monitor.	B ,1	Long
T707	Common ash	17.0	1.0	1000	1	7.0	7.0	4.0	8.0	3.0	NW	Mature	Fair	Roadside hedgerow tree; large example of species; canopy decline and small diameter deadwood; Chalara ash dieback disease likely causal factor of condition, difficult to determine symptoms from ground level; one upper limb over field with Daldinia concentrica wood decay fungus present, extension decay unknown, limb posing low risk currently.	Monitor condition via annual Visual Tree Assessments; carry out initial inspection when tree in full leaf to assess canopy condition; information relevant landowner of this recommendation.	B ,2, 3	Medium
T708	Sycamore	14.0	5.0	900	1	6.0	5.0	6.0	6.5	2.5	NW	Mature	Fair	Open grown roadside tree in hedgerow; lower southern portion of canopy dead with small diameter deadwood throughout, some overhanging road; otherwise healthy amenity tree.	Remove deadwood overhanging road, low priority; monitor condition via routine Visual Tree Assessments; inform relevant landowner of this recommendation.	B ,1	Medium
T709	Pedunculate oak	14.0	2.0	600	1	6.5	7.0	7.0	7.0	2.0	S	Middle Age	Good	Tree leans heavily to SE, drainage ditch to N so root system potentially restricted or damaged.	Monitor	B ,1	Long
T710	Sycamore	8.0	4.0	424	2	5.0	4.0	4.5	4.5	3.0	S	Middle Age	Good	Successional tree on field boundary; growing east of ditch; healthy.		C ,1	Long
T711	Pedunculate oak	9.0	1.0	500	1	2.0	3.0	5.0	7.0	2.0	NW	Middle Age	Good	Component of wider tree belt, growing on east side of ditch; basal cavity to c. 2m north, evidence of invertebrates; canopy healthy.		C ,1	Long
T712	Common ash	14.0	4.0	650	1	3.0	2.0	4.0	4.0	4.0	W	Middle Age	Fair	Tree in decline; large limb sheared off to E, still in situ; Signs of canker, possible Ash Dieback; Major cavities throughout, high habitat value including possible bat habitat; Drainage ditch to W potentially affecting root system. No targets so no need for intervention.		B ,3	Short
T713	Pedunculate oak	18.0	4.5	800	1	4.0	8.0	7.0	5.0	4.0	E	Mature	Good	Good condition; Minor deadwood; No targets; Drainage ditch to W, base of tree partially submerged, potentially affecting root system.		B ,1	Long
T714	Pedunculate oak	8.0	1.5	750	1	6.0	6.0	8.0	7.0	3.0	W	Middle Age	Good	Larger tree within field boundary tree belt; squat but well-balanced form; good health and condition; growing on east side of drainage ditch.		B ,1	Long
T715	Pedunculate oak	14.0	3.5	700	1	7.0	8.0	8.0	8.0	3.0	E	Middle Age	Good	Open grown tree on East side of deep drainage ditch; excellent well balanced form; localised small diameter deadwood; prominent tree in locality.		A ,1, 2	Long
T716	Pedunculate oak	7.0	2.5	750	1	4.5	3.5	5.5	3.0	2.5	SW	Middle Age	Good	Good condition		B ,1	Long
T717	Pedunculate oak	11.0	1.5	900	1	7.0	7.0	7.0	8.0	2.0	N	Mature	Good	Prominent roadside tree in field boundary hedgerow; asymmetric pruned canopy shape, lower branches flailed over road; healthy amenity tree.		A ,2	Long
T718	Scots pine	5.0	1.0	120	1	2.0	2.0	2.0	2.0	1.5	E	Middle Age	Good	Small successional roadside tree; healthy.		C ,1	Long
T719	Common beech	20.0	1.0	1200	1	7.0	9.0	8.0	9.0	4.0	NW	Mature	Good	Very large example of species at maturity; heavily ivy clad into scaffold limb structure, limited visibility; reasonably well balanced form, gap in canopy east potentially from branch failure very prominent roadside tree.		A ,1, 2	Long
T720	Pedunculate oak	12.0	3.0	900	1	2.0	8.0	3.0	6.0	3.0	NW	Mature	Good	Tree with imbalanced form; previous lower limb failure at roadside, area of exposed heartwood; heavy ivy growth into upper canopy, potential to suffocate canopy.	Sever ivy; carry out any relevant ecological checks prior to works.	B ,1	Long
T721	Common beech	14.0	4.0	810	1	10.0	8.0	10.0	8.0	4.5	W	Mature	Good	Evidence of old Meripilus giganteus fruiting bodies at base of stem; No obvious issues with health of tree; Tree has significant lean to NE; Lean towards low occupancy road.	Further inspection when in leaf; routine annual inspections for next 3 years.	B ,1, 2	Medium
T722	Sycamore	13.0	1.0	387	15	3.0	4.0	5.0	4.0	1.0	NW	Middle Age	Good	Appears to be a single, multi-stemmed tree growing from single root-stock; unremarkable.		C ,1	Long
T723	Common beech	17.0	3.0	980	1	9.0	11.0	6.0	12.0	3.0	N	Mature	Good	Good form; Minor decay on stem; Some cavities evident in canopy.		A ,1, 2	Long
T724	Wild cherry	4.0	2.0	120	1	2.0	1.0	1.0	2.0	1.0	W	Young	Good	Small successional tree; healthy.		C ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T725	Pedunculate oak	17.0	2.0	750	1	7.0	6.0	6.0	6.0	2.0	NW	Middle Age	Good	Open grown roadside tree; well balanced form; central limb failed previously, remnant stub with potential habitat features; bat roost potential.		B ,1, 3	Long
T726	Sycamore	15.0	2.0	710	1	6.0	7.0	5.5	6.0	3.0	NW	Middle Age	Good	Further component of roadside tree belt; well balanced form overall all; healthy tree contributing amenity and landscape value.		B ,1, 2	Long
T727	Common ash	11.0	2.0	613	3	4.5	5.0	8.5	3.0	2.0	E	Mature	Fair	Large tree on edge of pond. Multistemmed from 1m with large heavy lower stem. Numerous bark lesions on main stems. Large hollow old stem with major decay and lifting bark. Ash dieback appears minimal. Dead wood throughout canopy		B ,3	Medium
T728	Pedunculate oak	11.0	2.0	1000	1	6.0	3.0	3.0	6.5	4.0	N	Mature	Fair	Large tree on edge of pond with bulbous heavily burred stem. Very heavy Ivy on main stem possibly obscuring defects. Rather twisted form leaning to North.		B ,3	Long
T729	Common beech	17.0	2.0	1000	1	10.0	10.0	10.0	8.0	5.0	W	Mature	Good	Good condition; Large old wound at base of stem, now calloused over, probable vehicle damage, no major concern.		A ,1, 2	Long
T730	Sycamore	15.0	1.0	820	1	7.0	4.0	6.0	5.0	0.0	NW	Middle Age	Fair	Basal cavity and hollow stem base; tree 'propped' on buttress roots which are substantial and appear structurally sound; canopy condition reasonably good.	Monitor structural condition via routine Visual Tree Assessments and after storm events; inform relevant landowner of this recommendation.	B ,1	Medium
T731	Pedunculate oak	10.0	2.0	622	2	7.0	5.5	7.0	6.0	2.0	E	Middle Age	Good	Field boundary tree. Twin stemmed with second leader formed from established basal sucker. Numerous small stubs and broken branches. Upward facing cavity extends into horizontal stem to east.		B ,1, 3	Long
T732	Common beech	6.0	1.0	1170	1	0.5	0.5	0.5	0.5	1.0	E	Mature	Fair	Habitat stump from former roadside tree; large cavity and internal hollow; significant deadwood habitat resource.	Monitor structural condition and associated risks to road users via routine Visual Tree Assessments; inform relevant landowner of this recommendation.	U	Medium
T733	Pedunculate oak	11.0	3.0	710	1	6.5	7.0	4.5	6.5	2.5	S	Mature	Good	Large field boundary tree. Crown raised to North with some large wounds. Dead wood throughout the crown. No major defects		A ,1	Long
T734	Pedunculate oak	15.0	0.5	1030	1	6.0	5.5	6.0	8.0	1.5	SE	Mature	Good	Large, mature roadside tree forming component of roadside tree belt; well balanced form; healthy tree and prominent arboricultural feature; ivy growth into upper canopy.	Sever ivy to prevent competition with tree canopy; carry out any relevant ecological checks prior to works.	A ,1, 2	Long
T735	Sycamore	16.0	0.0	1039	3	6.0	7.0	6.0	8.0	0.0	SE	Mature	Good	Further large open grown tree on edge of small pond; good form and health; basal epicormic growth occasionally arising as subordinate stems; ivy growth in two Upper canopy.	Sever ivy to reduce competition with tree canopy; inform relevant landowner of this recommendation.	A ,1, 2	Long
T736	Common beech	12.0	3.0	930	1	8.0	10.0	10.0	9.0	3.5	W	Mature	Good	Good condition; Minor old wounds on stem; Barbed wire attached to stem in several places.		A ,1, 2	Long
T737	Common beech	16.0	2.5	1000	1	7.0	9.0	10.0	7.0	5.0	E	Mature	Good	Excellent example of species at maturity; well balanced form overall all canopy slightly weight biased to east; excellent structural form and condition; very small area of decay at base to south west; very prominent arboricultural feature.		A ,1, 2	Long
T738	English holly	9.0	5.0	350	1	5.0	3.0	4.5	3.0	5.0	N	Middle Age	Poor	Moribund hedgerow tree with minimal live crown. Dense Ivy on main stem obscuring much.		U	Very Short
T739	Common beech	15.0	1.0	900	1	9.0	6.0	9.0	7.0	3.0	NW	Mature	Good	Excellent example of species at maturity; well balanced form; excellent structural form and condition; desiccated fruiting bodies of honey fungus (Armillaria spp.) around base to south, potential for root decay; targets include low occupancy road, tree weighted away from road over field; small opening beneath buttress root west, appears to have been utilised as a burrow; prominent arboricultural feature.	Monitor condition, presence of fungi and associated decay; could consider use of decay detection equipment, although not deemed necessary currently.	A ,1, 2	Long
T740	Pedunculate oak	6.0	3.0	750	1	5.0	1.5	3.5	5.0	3.0	E	Mature	Fair	Burring on main stem; Probable vehicle damage to stem and lower scaffold branches; Several cracks and cavities throughout crown, habitat potential.		C ,1	Medium

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T741	Pedunculate oak	12.0	2.0	1120	1	9.0	10.0	10.0	8.0	2.0	NE	Mature	Good	Very large tree next to pond. Broad heavy canopy. Some large failed limbs with retained stubs and decay. Ivy on main stem and into crown. Various historic failures with vigorous regrowth and variable decay		A ,1, 3	Long
T742	Common beech	14.0	1.5	900	1	7.0	7.0	9.0	8.0	2.0	W	Mature	Fair	Large open grown tree displaying canopy decline; scattered small diameter deadwood in outer canopy, posing low risk; wounded branch with potential habitat feature, limited visibility from ground level; prominent tree but in slightly diminished condition.	Monitor condition via routine Visual Tree Assessments; inform relevant landowner of this recommendation.	B ,1	Medium
T743	Pedunculate oak	8.0	1.5	650	1	4.0	4.0	2.5	5.5	2.0	NW	Mature	Fair	Half of Tree appears to have split out at some point; Large wound from base to 2m with some decay evident; inspection hindered as stem and lower crown are largely concealed by Holly growing out of hedgerow.		C ,1	Short
T744	Pedunculate oak	12.0	2.0	700	1	5.0	6.0	6.0	5.5	3.0	E	Middle Age	Good	Slightly younger open grown tree; developing well with good form and health; occasional small diameter dead branches posing low-risk; good future potential.		B ,1, 2	Long
T745	Pedunculate oak	12.0	4.5	770	1	6.0	3.5	6.0	7.0	5.0	N	Mature	Fair	Large tree next to pond. Very dense Ivy on main stem and into crown. Somewhat sparse crown. Large amount of dead wood. Numerous broken branches and stubs.		B ,3	Long
T746	Pedunculate oak	15.0	1.5	950	1	7.0	8.0	7.0	7.0	2.0	E	Mature	Good	Mature open grown roadside tree; good form overall all, slight imbalance; good health and condition; prominent feature within locality.		A ,1, 2	Long
T747	Pedunculate oak	13.0	2.0	630	1	3.0	6.0	4.0	6.0	2.0	W	Middle Age	Good	Healthy roadside tree; pruned away from power lines to north leaving asymmetric form.		B ,1	Long
T748	Pedunculate oak	8.0	3.0	650	1	4.0	5.0	5.5	5.5	3.0	E	Middle Age	Good	Good condition; Minor deadwood; Barbed wire attached to lower stem.		B ,1	Long
T749	Pedunculate oak	9.0	1.5	750	1	6.0	4.0	7.0	6.0	2.0	E	Middle Age	Good	Healthy roadside tree with good form; ivy developing into canopy.		B ,1	Long
T750	Acacia species	9.0	1.5	780	1	7.5	8.0	10.0	8.0	2.5	E	Mature	Good	Large field boundary tree. Numerous torn stubs with advanced decay and cavity formation. Large woodpecker hole to south of main stem at 1m with staining, possibly open higher up. Laetiporus sulphurea bracket to west at crown break. Some dead wood in crown. Good tree		A ,1, 3	Long
T751	Common beech	18.0	3.0	900	1	8.0	10.0	9.0	8.0	5.5	S	Mature	Good	Good form; Minor wounds in crown; Burring to lower stem; Pond to SW possibly impacting on root system; Barbed wire attached to stem in multiple places.		A ,1, 2	Long
T752	Common alder	7.0	1.0	532	4	6.0	3.0	3.0	3.5	1.5	N	Middle Age	Good	Multi-stem Alder on edge of pond; healthy.		C ,1	Medium
T753	Pedunculate oak	12.0	2.5	870	1	7.5	6.0	8.0	6.0	2.0	E	Mature	Good	Large boundary tree. Large heavy limb to east with major tear out wound. Dense ivy on main stem and into canopy. Some other wounds on stem. Dead wood in crown.		A ,1, 3	Long
T754	Corsican pine	17.0	10.0	450	1	4.0	5.0	5.0	4.0	10.0	W	Middle Age	Good	Stand out tree on edge of woodland compartment; notably larger than other woodland trees adding coniferous variety to species palette.		B ,1, 2	Long
T755	Common ash	16.0	3.0	1320	1	12.0	11.0	9.0	11.0	2.0	W	Mature	Fair	Huge tree with broad heavy crown. Large failed limbs with stubs over road to east. Further dead wood and broken branches throughout crown. Basal cavity with fungal fruiting body to east. Reasonable vigour and seems to be relatively free from dieback. Notable tree, potential future veteran		B ,1, 2, 3	Medium
T756	Pedunculate oak	6.0	3.0	510	1	3.5	3.5	3.0	4.0	3.5	S	Middle Age	Poor	Tree on inside of road bend. Extensive vehicle damage. Fully hollow stem with brown rot. Sparse canopy its numerous dead limbs.		C ,3	Short
T757	Pedunculate oak	12.0	1.0	1060	1	6.0	6.0	6.0	6.0	2.5	N	Mature	Fair	Large open grown tree with cavities and large, attached rotting timber. Bifurcated at 2m one leader lost.		B ,1, 2, 3	Long
T758	Pedunculate oak	12.0	1.0	980	1	6.0	8.0	5.0	6.0	3.5	W	Mature	Fair	Large open grown tree on bank of deep wet ditch. Large, attached rotting timber. Twisty form with some fused branches.		B ,2, 3	Long
T759	Pedunculate oak	12.0	1.0	980	1	6.0	8.0	5.0	6.0	3.0	S	Mature	Fair	Large open grown tree on former field boundary. large, attached rotting timber. Twisty form with some fused branches. Ground to south compacted by footpath use.		B ,2, 3	Long
T760	Common hawthorn	7.0	1.0	327	4	3.0	3.0	3.0	3.0	1.5	SW	Mature	Fair	Large old hedgerow hawthorn. Previously laid. Grown out to become tree. Hollow stem. Rotting branches. Basal stem 480mm.		B ,1, 2, 3	Long
T761	Silver birch	10.0	0.5	300	1	4.0	4.0	4.0	4.0	1.5	W	Middle Age	Good	Open grown tree. Form OK. No visible significant defects.		B ,2	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T762	Pedunculate oak	10.0	2.5	700	1	6.5	5.5	6.0	6.0	3.5	E	Mature	Fair	Roadside tree. Crown raised to east to clear road. Lower canopy flailed into hedge. Dead branches and stubs. Some decay pockets.		B ,1, 3	Long
T763	Pedunculate oak	11.0	3.0	760	1	6.0	7.0	7.5	6.0	4.0	NW	Mature	Fair	Roadside tree. Crown raised to west to clear road. Fence occluding into lower stem. Vigorous epicormic growth on main stem. Some dead wood and stubs in crown. Some decay pockets.		B ,1, 3	Long
T764	Pedunculate oak	12.0	3.0	840	1	5.0	7.0	5.0	7.0	4.0	N	Mature	Fair	Roadside tree. Crown raised to west to clear road. Vigorous epicormic growth on main stem. Some dead wood and stubs in crown. Lower crown flailed into hedge. Some decay pockets.		B ,1, 3	Long
T765	Pedunculate oak	9.0	1.5	590	1	6.0	7.0	7.5	6.0	3.0	W	Middle Age	Fair	Roadside tree. Crown raised to east over road. Vehicle damage to main stem. Large split limb at 5m to east. Dead branch with decay column extending into main leader at 5m		B ,2, 3	Long
T766	Common ash	13.0	2.0	790	1	6.0	7.0	7.0	7.0	2.5	W	Mature	Fair	Large roadside tree with bulbous base. Pruning wounds, broken branches and stubs. Epiphyte holly in crown break. Dead wood throughout. Dieback seems minimal but some epicormic growth on main limbs		B ,2, 3	Medium
T767	Pedunculate oak	12.0	2.5	780	1	8.0	10.0	7.0	6.5	2.0	NW	Mature	Fair	Large roadside tree. Within dense hedge making stem diameter difficult to measure. Vehicle damage to west with some smashed limbs. Large decaying stub at 3m to west. Somewhat sparse crown with dieback. Dead wood throughout canopy.		B ,2, 3	Long
T768	Pedunculate oak	10.0	3.0	660	1	5.0	7.0	3.0	6.0	3.0	SW	Middle Age	Fair	Roadside tree. Crown raised to east to clear road and overhead cables. Sparse crown with clear dieback. Large amount of dead wood present.		C ,2, 3	Short
T769	Pedunculate oak	13.0	3.5	1000	1	10.5	11.0	12.0	7.0	4.5	SE	Mature	Good	Very large roadside tree. Bifurcated at 2m with good union. Ivy on main stem potentially obscuring defects. Crown raised to west over road and overhead cables with some retained dead stubs. Cavity with staining at 2m to south. Various smaller branch socket cavities throughout crown. Dead wood throughout		A ,1, 2, 3	Long
T770	Sycamore	8.0	2.0	700	1	4.0	6.0	4.0	4.5	2.5	NE	Middle Age	Poor	Roadside tree. Sparse crown with dieback. Numerous small cavities and decay pockets. Livestock damage to lower stem west. Heavily poached ground to west. Cavity in main leader at 7m		C ,3	Short
T771	Pedunculate oak	13.0	3.0	840	1	7.0	7.5	10.0	8.0	4.0	W	Mature	Good	Large roadside tree. Stem leaning at 20 degrees to north-east. Large cavity to south of main stem with hollowing and grown rot from 0.5m to 2m, possibly extends further up and has secondary entrance at 3.5m. Broken branches and stubs with some well decayed pieces and branch socket cavities developing. Good vigour		A ,3	Long
T772	Pedunculate oak	7.0	3.5	560	1	6.5	4.5	6.0	4.5	4.0	SW	Middle Age	Poor	Roadside tree with hollow stem. Open cavity to southwest extending from ground to 3m. Exposed heartwood and brown rot. Sparse canopy with full dead limbs. Good habitat		B ,3	Short
T773	Pedunculate oak	9.0	1.5	840	1	6.0	6.0	6.0	6.0	3.0	W	Mature	Good	Open grown hedgerow tree. Has grown over and around hawthorn. Various attached deadwood, some with fungal fruiting bodies. Hollow between buttresses.		A ,1, 2, 3	Long
T774	Pedunculate oak	18.0	2.0	1220	1	8.0	8.0	8.0	8.0	2.5	SW	Mature	Good	Massive magnificent tree with barrelled stem (affected dbh measurement). Open grown field boundary tree. Excellent form. Some burrs on stem, one rotted. Barbed wire included at various points. Various sized rotting attached deadwood.		A ,1, 2, 3	Long
T775	Pedunculate oak	18.0	2.0	1100	1	8.0	8.0	8.0	8.0	2.5	E	Mature	Good	Massive magnificent tree with many burrs around base of stem. Open grown field boundary tree. Excellent form. Some burrs higher on stem too. Barbed wire included at various points. Various sized rotting attached deadwood. Hollow between buttresses. Bumper acorn crop on floor.		A ,1, 2, 3	Long
T776	Pedunculate oak	18.0	1.0	1100	1	10.0	10.0	10.0	10.0	2.5	NW	Mature	Good	Massive magnificent tree with flare at buttress suggesting hollow stem. Open grown field boundary tree. Bifurcated at second fork. Excellent form. Barbed wire included at various points. Various sized rotting attached deadwood. Has treehouse but doesn't appear to be harmfully attached.		A ,1, 2, 3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T777	Pedunculate oak	14.0	4.0	960	1	8.0	8.0	8.0	8.0	3.0	NW	Mature	Poor	Large open grown field boundary tree on roadside. Bifurcated at first fork. Barbed wire included at various points. Various sized rotting attached deadwood. Hollow branch extending over road. Bark missing where new fence wire has been attached.	Suggest inspecting hollow limb and possibly removing.	B ,1, 2, 3	Long
T778	Sycamore	12.0	2.5	450	1	6.0	8.0	6.0	8.0	3.5	NW	Middle Age	Fair	Open grown field boundary tree. Bifurcated at first fork. Small cavity just below first fork. Dead ivy in canopy.		B ,2	Long
T779	Pedunculate oak	7.0	1.0	900	1	6.0	6.0	5.0	8.0	3.0	SE	Mature	Fair	Open grown hedgerow tree. Appears to have lost main leader at some point. Has squat bushy form.		B ,1, 2, 3	Long
T780	Pedunculate oak	7.0	1.5	750	1	6.0	3.0	6.0	6.0	2.0	N	Mature	Fair	Hedgerow tree on roadside. Cavity below First fork where limb has been lost. Burrs around base. Bark damage on lower limbs. Epicormic shoots on limbs and base.		B ,1, 2	Long
T781	Pedunculate oak	16.0	2.0	900	1	7.0	9.0	7.0	9.0	2.0	NE	Mature	Fair	Large open grown tree in field. Some barrelling of stem around 1.5m. Good form.		B ,1, 2	Long
T782	Pedunculate oak	16.0	1.5	720	1	6.0	6.0	8.0	5.0	2.5	E	Mature	Fair	Tree growing in former hedge line. Many dead and partly dead branches. Suspect root damage when hedge removed.		C ,2	Long
T783	Pedunculate oak	16.0	0.5	1000	1	8.0	10.0	8.0	8.0	2.5	SW	Mature	Fair	Large hedgerow tree on bank of flooded ditch. Some large attached dead timber. Ivy covering lower stem.		B ,1, 2	Long
T784	Pedunculate oak	9.0	2.0	700	1	4.0	4.0	4.0	4.0	3.0	E	Mature	Poor	Moribund hedgerow tree on bank of brook. Main branches all dead. Some life left on smaller branches.		C ,2, 3	Medium
T785	Pedunculate oak	14.0	1.5	1000	1	9.0	6.0	8.0	7.0	2.0	W	Mature	Fair	Large open grown tree on bank of brook. Some attached deadwood. Included barbed wire on stem. Bifurcated at first fork and trifurcated at second. Some damage to buttresses.		B ,1, 2	Long
T786	Pedunculate oak	14.0	1.5	800	1	9.0	6.0	8.0	6.0	3.0	E	Mature	Fair	Large open grown tree on bank of brook. Leaning over brook. Some attached deadwood. Ivy into canopy limits inspection.		B ,1, 2	Long
T787	Common ash	8.0	1.5	650	1	6.0	6.0	7.0	6.0	2.0	S	Mature	Fair	Open grown hedgerow tree. Completely hollow stem but with Good reaction wood growth. Some minor deadwood.		B ,2, 3	Short
T788	Pedunculate oak	7.0	1.5	440	1	4.0	5.0	6.0	4.0	1.8	E	Mature	Fair	Stunted open grown tree in hedgerow. Crown skewed to east and flattened. Some deadwood.		B ,2	Long
T789	Pedunculate oak	10.0	2.0	840	1	6.0	6.0	8.0	5.0	2.5	W	Mature	Fair	Open grown tree in hedgerow. Crown skewed to east. Some deadwood. Barbed wire included into stem. Burring on stem. Bifurcated at second fork. Cavity on limb just above bifurcation.		B ,1, 2	Long
T790	Pedunculate oak	10.0	2.5	680	1	3.0	8.0	4.0	8.0	3.0	S	Mature	Fair	Open grown tree in hedgerow. Crown skewed to south west. Some deadwood. Barbed wire included into stem. Burring on stem. Bifurcated at first fork. Large scar and attached deadwood on northern side of stem with Good reaction wood growth.		B ,1, 2	Long
T791	Common ash	16.0	1.0	1200	1	9.0	10.0	12.0	8.0	1.5	E	Mature	Fair	Huge hedgerow tree on bank of pond. Multiple Inonotus brackets on lower limbs. Multiple rotting attached limbs and cavities. Splits into multiple limbs at first fork giving interesting hand-like form. Dying back from top. Epicormic shoots on limbs.		B ,1, 2, 3	Long
T792	Common ash	16.0	2.0	600	1	4.0	6.0	6.0	6.0	3.0	W	Mature	Fair	Open grown hedgerow tree. Bifurcated at first fork but one leader failed. Cavity in site of lost leader. Burring at base. Large cavity at base. Canopy dying back.		C ,2, 3	Medium
T793	Pedunculate oak	10.0	2.0	500	1	6.0	6.0	6.0	6.0	4.0	N	Mature	Fair	Open grown hedgerow tree. Some attached deadwood.		B ,1, 2	Long
T794	Pedunculate oak	3.0	1.5	130	1	1.5	1.5	1.5	1.5	1.5	E	Young	Good	Open grown Young tree on field boundary.		C ,2	Long
T795	Pedunculate oak	18.0	2.5	950	1	8.0	8.0	6.0	8.0	4.0	E	Mature	Good	Large open grown tree in centre of field. Lowest branches lost. Ground very compacted around base. Epicormic twig growth throughout canopy.		B ,1, 2	Long
T796	Pedunculate oak	14.0	1.5	800	1	8.0	8.0	6.0	8.0	3.0	E	Mature	Good	Large open grown tree on field boundary. Lowest branches mainly dead. Ground very compacted around base. Remains of laetiporous bracket on ground by stem.		A ,1, 2	Long
T797	Pedunculate oak	12.0	1.5	800	1	7.0	7.0	7.0	7.0	3.0	W	Mature	Fair	Large open grown tree in middle of field. Some attached deadwood. Ground compacted around base and shows possible signs of previous flooding.		B ,1, 2	Long
T798	Elder	3.0	0.0	220	2	2.5	2.0	2.5	2.0	0.0	E	Middle Age	Good	Small, self seeded tree; healthy.		C ,1	Long
T799	Pedunculate oak	10.0	2.0	382	2	5.0	5.0	6.0	6.0	1.5	S	Middle Age	Good	Located behind wite fencing on steep slopes. Twin stemmed at base. Low, broad crown form.		B ,1, 3	Long
T800	Pedunculate oak	9.0	2.0	350	1	5.0	5.0	6.0	6.0	1.5	S	Middle Age	Good	Located behind wite fencing on steep slopes. Low, broad crown form.		B ,1, 3	Long
T801	Common hawthorn	4.0	0.5	310	1	3.5	3.5	3.0	2.5	0.5	N	Middle Age	Good	Open grown tree with minor grazing damage around ground near base and lower branches. 3 stems all fused making one large stem. Good crown form and vigour.		B ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T802	Goat willow	17.0	5.0	801	3	5.0	6.0	9.0	7.0	0.5	S	Mature	Good	Prominent tree within wider woodland type treescape for its greater age and size; healthy with small diameter deadwood in places; growing atop bund where ground drops away steeply to east..		B ,1	Long
T803	Silver birch	11.0	1.0	158	3	1.5	1.5	1.5	1.5	0.5	S	Middle Age	Good	Healthy successional tree.		C ,1	Long
T804	Crack willow	13.0	4.0	700	1	6.0	6.0	6.0	6.0	3.0	E	Mature	Good	On edge of Brook. Good form and vigour. Minor broken and snapped branches		B ,1, 2	Long
T805	Pedunculate oak	13.0	2.0	820	1	8.0	8.0	9.0	6.0	2.0	SE	Mature	Good	Located on near side of ditch adjacent road. Good form and vigour with slight crown weighting to south east. 5m crown above road.		A ,1	Long
T806	Pedunculate oak	8.0	1.5	210	1	3.0	4.0	4.0	4.0	1.5	E	Middle Age	Good	Rooted on far side of ditch adjacent road. Good form and vigour. Minor dead wood		C ,1	Long
T807	Pedunculate oak	9.0	4.0	370	1	6.0	5.5	6.5	5.0	1.0	W	Middle Age	Good	Rooted on far side of ditch adjacent road. Clear brown over road. Good form and vigour. Minor dead wood		B ,1	Long
T808	Pedunculate oak	11.0	5.0	900	1	7.0	9.0	8.0	9.0	1.0	E	Mature	Fair	Hedgerow tree, ivy clad. Large stub cuts over road. Slightly reduced vigour in crown. Minor and moderate dead wood		B ,1	Long
T809	Pedunculate oak	4.0	1.0	75	1	1.5	1.5	1.5	1.5	1.0	E	Young	Good	Self set tree on far side of ditch adjacent road. Good form and vigour		C ,1	Long
T810	Common ash	15.0	6.0	870	1	7.0	8.0	9.0	6.0	5.0	W	Mature	Fair	High crown above road. Open branch cavity on stem at circa 4m to east from former failed branch. Broad crown, good vigour. Only minor dead wood. In hedgerow		B ,1	Long
T811	Common alder	9.0	2.0	580	1	5.0	5.0	5.0	5.0	1.0	SE	Mature	Fair	Located on far side of ditch adjacent road verge. Sought crown lean to North. Fluted stem base with small, dense epicormic shoots.		B ,1	Long
T812	Common alder	8.0	2.0	509	8	7.0	4.5	6.0	5.0	1.5	N	Middle Age	Fair	Densely multi stemmed at base. Located on far side of ditch adjacent road. Main central leader dead at around 6m. Good crown growth on other stems.		B ,1	Long
T813	Pedunculate oak	4.0	1.0	100	1	1.5	1.5	1.5	1.5	1.0	W	Young	Good	Located on raised back adjacent road. Self set tree with good form and vigour		C ,1	Long
T814	Common ash	9.0	5.0	500	1	6.0	6.0	7.0	6.5	3.0	S	Middle Age	Fair	Located on steep ditch edge on far side adjacent road. Reduced vigour and epicormic shoot growth in crown		C ,1	Medium
T815	Pedunculate oak	4.0	1.0	100	1	2.0	2.0	2.0	2.0	1.0	E	Young	Good	Self set and now established tree on edge of ditch. Stem used as fence post with barb wire ingrained in stem		C ,1	Long
T816	Common alder	11.0	4.5	433	3	6.5	6.0	7.0	5.5	1.5	W	Middle Age	Fair	On edge of ditch on field boundary. Dense epicormic shoots at base. Good crown vigour and form		B ,1	Long
T817	Pedunculate oak	7.0	2.0	280	1	4.5	4.0	4.5	5.0	2.0	NW	Middle Age	Fair	Located on far side of ditch edge adjacent road. Flailed to Roadside crown edge. Good upper crown vigour		C ,1	Long
T818	Pedunculate oak	10.0	5.0	910	1	9.0	10.0	8.0	9.0	5.0	NW	Mature	Good	Located on far side of ditch edge adjacent road. Large buttress flare. Stem wound and hollow at 1m to east. Very broad, stunted crown, much wider than tall. Crown lifted over road with minor and moderate dead wood stubs		A ,1, 2	Long
T819	Pedunculate oak	13.0	6.0	650	1	4.0	5.0	6.0	4.5	6.0	S	Mature	Poor	Large, almost dead tree.		C ,1	Short
T820	Common alder	9.0	4.5	540	1	5.5	2.5	3.0	4.0	2.5	S	Mature	Fair	Reduced vigour. Upper crown just large stub. Stem lean to North		C ,1	Medium
T821	Pedunculate oak	16.0	5.5	810	1	9.0	10.0	9.5	8.0	5.0	W	Mature	Good	Excellent form and vigour work Minor dead wood stubs in lower crown. In small hedgerow		A ,1	Long
T822	Pedunculate oak	5.0	1.0	140	1	1.5	2.0	2.5	1.5	0.5	E	Young	Fair	Self set tree adjacent road. Flailed to Roadside		C ,1	Long
T823	Pedunculate oak	12.0	4.0	740	1	4.5	8.5	6.0	7.0	3.0	S	Mature	Fair	Crown weighted South. Mechanical stem wound to base on North West aspect. Desiccated fungal bracket near wound. Ivy clad stem		B ,1	Long
T824	Pedunculate oak	7.0	1.5	191	2	4.0	3.5	4.0	2.5	0.5	N	Middle Age	Fair	Hedgerow tree. Twin stems fused. Crown weighted slightly north		C ,2	Long
T825	Field maple	6.0	0.5	220	1	4.0	1.0	4.5	3.5	0.5	S	Middle Age	Fair	Hedgerow tree. North crown cut back away from over head lines leading to asymmetric and weighted crown to north		C ,2	Medium
T826	Common lime	4.0	0.2	196	6	3.0	1.2	2.0	2.0	0.5	N	Young	Fair	Multi stemmed at base. Almost a shrubby round ball of foliage. Dense crown		C ,2	Medium
T827	Rowan	5.0	0.5	212	8	3.5	1.5	2.5	2.0	0.5	N	Middle Age	Fair	Multi stemmed at base. Dense, shrubby crown form		C ,2	Long
T828	Rowan	5.0	0.5	115	4	1.5	1.0	2.0	1.5	0.5	N	Middle Age	Fair	Multi stemmed at base. Dense, shrubby crown form		C ,2	Long
T829	Common ash	8.0	1.0	650	1	5.0	3.0	5.5	5.0	0.5	NE	Mature	Fair	One main stem with circa 5 established epicormic shoots. Main crown cut back at circa 5m with large stub cuts. Inonotus hispidus brackets in crown. Dense crown with epicormic shoots.		C ,2, 3	Medium
T830	Silver birch	6.0	1.5	160	1	3.0	3.0	3.0	3.0	1.0	NE	Middle Age	Good	Small hedgerow tree with good form and vigour		C ,2	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T831	Silver birch	8.0	2.0	260	1	4.0	4.5	4.0	4.0	2.0	S	Middle Age	Good	Hedgerow tree with good form and vigour. Trifurcate at 2m with good stem unions		C ,2	Long
T832	Pedunculate oak	12.0	5.5	850	1	6.5	7.0	6.5	7.5	2.0	S	Mature	Fair	Roadside tree. Ivy clad to upper crown. Limited stem inspection. Good crown vigour		B ,1, 2	Long
T833	Pedunculate oak	14.0	5.0	950	1	9.0	7.0	12.0	7.5	3.0	SW	Mature	Good	Roadside tree in hedge. Crown weighted east. Ivy clad stem and lower crown. Excellent crown vigour.		A ,1, 2	Long
T834	Pedunculate oak	14.0	5.0	870	1	8.0	7.0	9.0	8.0	4.0	SE	Mature	Good	Roadside tree in hedge. Bifurcate at 5m with good stem union. Excellent crown vigour.		A ,1, 2	Long
T835	Pedunculate oak	12.0	54.0	750	1	6.0	7.0	7.0	7.5	3.0	N	Mature	Good	Hedgerow tree in hedge. Bifurcate at 3m with good stem union. Ivy clad. Good form and vigour		B ,1, 2	Long
T839	Common ash	7.0	2.5	303	3	2.5	2.0	4.0	3.5	3.0	NE	Middle Age	Fair	Multistemmed hedgerow tree. Sparse crown with signs of dieback. Cleared back from road to south.		C ,2	Medium
T840	Common ash	8.0	3.0	276	2	3.0	2.5	1.5	3.0	2.5	W	Middle Age	Fair	Hedgerow tree on raised bank. Twin stemmed form. Canopy suppressed to east by adjacent tree. Reasonable vigour		C ,2	Medium
T841	Pedunculate oak	5.0	2.0	180	1	1.5	2.0	4.0	0.5	1.5	E	Middle Age	Fair	Small hedgerow tree. Suppressed to west by larger tree. Canopy bias to east. Broken branches and stubs		C ,2	Medium
T842	Pedunculate oak	10.0	2.0	1060	1	7.5	6.5	8.0	6.5	2.0	W	Mature	Good	Large roadside tree. Road 2m to south but no kerb. Signs of past management with large stubs and pruning wounds. Slightly sparse. Dead wood throughout. Dense Ivy on main stem and into crown. Some cavities and decay pockets.		B ,1, 2, 3	Long
T848	Pedunculate oak	12.0	2.0	1200	1	7.5	7.0	9.0	8.0	4.0	S	Mature	Good	Very large tree within linear group. Large dead limbs, some well decayed. Dense Ivy on main stem, diameter estimated. Small cavities and decay pockets. Excellent vigour and no major defects		A ,1, 2, 3	Long
T850	Pedunculate oak	6.0	1.5	570	1	4.5	6.5	5.0	6.5	1.5	S	Middle Age	Good	Growing on edge of ditch with exposed roots to west. Pruning wounds and stubs. Some minor dead wood. No major defects		B ,1	Long
T851	Silver birch	7.0	1.0	310	1	5.5	1.0	4.0	4.5	2.0	N	Middle Age	Fair	Growing on ditch bank. Suppressed by large tree to south. Twisted form with cracked and split bark. Broken branches and stubs. Some small branch socket cavities with decay		C ,2	Medium
T852	Pedunculate oak	13.0	2.0	1100	1	6.0	10.0	8.0	8.5	2.0	NW	Mature	Fair	Very large tree on ditch edge. Slightly sparse with epicormic growth over much of canopy. Large limb removed to south with old occluding wound. Dead wood throughout.		B ,1, 3	Long
T853	Pedunculate oak	13.0	3.0	1119	2	7.0	9.5	9.0	7.5	3.5	S	Mature	Good	Very large Twin-stemmed tree on edge of ditch. Dead wood throughout. Broken branches and stubs. Some epicormic growth but good vigour overall.		A ,1, 2	Long
T858	Pedunculate oak	8.0	3.0	1100	1	6.0	8.5	8.0	6.0	3.0	N	Mature	Good	Squat tree with broad heavy crown. Heavily burred and twisted stem. Basal cavity with hollowing and brown rot. Many broken branches and stubs with decay developing. Dead wood in canopy. Excellent habitat		A ,3	Long
T859	Pedunculate oak	10.0	4.0	1010	1	8.5	9.5	9.0	8.0	4.0	NW	Mature	Good	Large field boundary tree with broad open grown form. Dead wood throughout canopy with some well decayed pieces. Damage to root buttresses with some early decay. Some small cavities. Good vigour. No major defects		A ,1, 3	Long
T860	Pedunculate oak	8.0	3.0	770	1	3.0	6.0	6.5	6.0	3.5	W	Mature	Fair	Field boundary tree with burred stem. Basal cavity with some decay. Large cavity at branch union with brown rot. Other smaller cavities in crown. Dead wood throughout canopy.		B ,1, 3	Long
T861	Pedunculate oak	8.0	3.0	490	1	5.5	4.5	5.0	5.0	3.0	W	Middle Age	Fair	Field boundary tree. Wounds to buttresses with old Laetiporus bracket. Open cavity to main stem at 3m to 5m with signs of nesting. Dead wood in canopy. Broken branches and stubs		B ,3	Medium
T862	Pedunculate oak	10.0	3.0	790	1	7.0	7.5	8.0	6.5	3.5	S	Mature	Good	Large field boundary tree. Erosion around base with some minor decay. Cavity at crown break to south. Other cavity to west with hollowing. Minor dead wood in canopy. No major defects		A ,1	Long
T863	Pedunculate oak	9.0	2.0	670	1	6.0	7.0	7.0	8.0	2.0	W	Middle Age	Good	Field boundary tree. Numerous broken branches and small stubs. Minor dead wood in crown. No major defects		B ,1, 3	Long
T864	Sycamore	11.0	3.0	636	2	6.0	4.0	6.0	4.5	3.5	E	Middle Age	Fair	Twin stemmed tree with very tight union starting to fuse. Lower canopy flailed as part of hedge. Minor dead wood in crown		C ,2	Medium
T865	Pedunculate oak	8.0	3.5	650	1	5.0	5.0	5.0	5.0	3.0	E	Middle Age	Fair	Open grown tree. Poached ground around base. Broken branches and stubs. Dead wood throughout crown. Rather burred stem. Unable to access		B ,1	Long
T876	Pedunculate oak	9.0	2.5	640	1	5.5	4.5	7.0	5.5	2.0	E	Middle Age	Good	Larger tree within outgrown hedgerow. Large pruning wound to western side. Dead wood throughout crown including some large pieces. Some small cavities forming.		B ,1, 3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T880	Pedunculate oak	9.0	3.5	1100	1	5.5	7.5	8.0	8.0	2.5	SW	Mature	Good	Large tree within outgrown hedgerow. Numerous large cavities and hollowing. Cavity into main stem at 2m west. Large dead stem from crown break, well decayed. Several dead branches with decay columns and cavity formation. Large pieces of dead wood throughout canopy. Good habitat		A ,1, 3	Long
T881	Pedunculate oak	11.0	4.0	1060	1	6.0	6.0	7.0	8.0	3.0	W	Mature	Fair	Large tree within outgrown hedgerow. On edge of ditch. Major dead limb at 3m to north-east with splits and tears. Other dead limbs and stems with some small cavity formation. Hazard beam to large western limb with extending split. Upward facing cavity forming to broken stem. Excellent habitat		A ,3	Long
T882	Pedunculate oak	9.0	3.0	1000	1	5.0	5.5	9.5	7.0	2.0	W	Mature	Fair	Large tree within outgrown hedgerow. On edge of ditch. 20 degree lean to east. Cavity to main stem at 2m with hollowing. Stem wounds and decay with signs of fungal fruiting bodies, possibly Laetiporus sulphurea. Cavity into upper stem at 4m to south. Dead wood throughout crown		A ,3	Long
T884	Pedunculate oak	10.0	2.5	870	1	8.0	7.0	9.0	8.0	2.0	W	Mature	Good	Large tree in hedgerow. Broken branches and stubs with some large well decayed pieces. Some epicormic growth over main stems. Good vigour overall.		A ,1	Long
T885	Pedunculate oak	9.0	3.0	700	1	8.0	6.0	9.0	8.0	2.5	NE	Middle Age	Good	Large tree within hedgerow. Pruning wounds and stubs. Minor dead wood in crown. Small cavity at crown break with epiphyte elder. Large pruning wounds to north, difficult to see but could be flush cut		B ,1, 2	Long
T891	Common alder	8.0	2.0	601	3	4.5	4.0	4.0	5.0	1.5	W	Middle Age	Fair	Roadside tree. Multistemmed from base with bulbous fluted root buttresses. Some basal suckering. Broken branches and stubs. Minor dead wood in crown. Overhead cables to west		B ,1, 2	Long
T892	Common alder	9.0	1.5	370	1	4.5	3.0	2.0	4.5	1.5	N	Middle Age	Good	Roadside tree with upright form. Some minor broken branches and small stubs. No major defects		B ,1	Long
T893	Common alder	7.0	1.5	530	1	5.0	5.5	3.5	5.0	1.0	W	Middle Age	Good	Roadside tree with squat form. Broken branches and stubs in crown. Some dead wood. Occasional pruning wounds with early decay		B ,1	Long
T894	Pedunculate oak	10.0	2.5	510	1	4.5	5.0	4.0	6.0	3.0	S	Middle Age	Fair	Roadside tree with upright form. Numerous broken branches and stubs, some well decayed. Epicormic growth over much of the canopy.		B ,1, 2	Long
T895	Common alder	8.0	3.0	535	3	3.0	4.0	5.0	5.0	3.0	E	Middle Age	Good	Roadside tree with twisted form. Erosion and root damage. Dense basal suckering. Broken branches and stubs. Minor dead wood in crown		B ,2	Long
T898	Sycamore	10.0	4.0	600	1	6.0	6.0	8.0	4.0	3.5	NE	Middle Age	Fair	Roadside tree. Crown raised historically with several large wounds to east. Large amount of bark damage to southern side of stem, flaking and peeling with exposed heartwood. Minor dead wood in crown. Good vigour overall.		C ,1, 2	Long
T899	Sycamore	10.0	3.5	750		6.0	5.0	5.0	7.0	2.5	S	Middle Age	Good	Large tree growing on bank. Lean approximately 20 degrees west but no sign of heave at root plate. Broken branches and stubs. Minor dead wood in crown. Good vigour		B ,1, 2	Medium
T901	Sycamore	12.0	2.5	790	1	6.5	5.5	7.0	6.5	3.5	NE	Mature	Good	Large roadside tree. Numerous basal suckers. Minor dead wood in canopy. Broken branches and stubs. Two open branch socket cavities on northern side. Large prominent tree with no major defects		A ,1, 2	Long
T903	English holly	3.0	0.5	240	1	1.0	2.5	2.0	1.5	0.5	S	Middle Age	Fair	Small tree outgrown from remnant hedgerow. Main stem at 45 degrees. Broken branches and stubs reflecting historic management.		C ,1	Medium
T904	Common ash	10.0	3.5	800	1	8.0	8.0	8.0	7.5	3.0	W	Mature	Fair	Large roadside tree with heavy ivy clad canopy. Looks generally a bit sparse - Chalara. Large dead branches overhanging field. Ivy obscures much of stem preventing thorough inspection.		C ,1, 2	Medium
T907	Pedunculate oak	10.0	2.0	710	1	7.0	8.0	5.0	8.0	4.0	W	Middle Age	Good	Large roadside tree. Main leader failed at 7m with decay and hollowing extending into stem. Broken branches and stubs including some large well decayed pieces.		B ,1, 2, 3	Long
T909	Common alder	10.0	3.5	950	1	7.0	5.0	6.0	5.0	2.5	W	Mature	Fair	Large roadside tree next to ditch. Twisted and burred stem with vigorous suckers making stem measurement difficult. Large dead limbs to north-west. Exposed and broken roots emerging from ditch bank. Ivy on main stem		B ,1, 3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T938	Norway maple	8.0	2.0	594	3	5.0	4.5	5.0	4.5	2.0	W	Middle Age	Good	Multistemmed tree with very tight union starting to fuse. Further compression forks in canopy. Broken branches and stubs in lower canopy, flail damage. Minor dead wood in crown. Good vigour		B ,2	Long
T939	Pedunculate oak	7.0	1.5	800	1	6.5	4.5	7.0	5.0	2.5	W	Mature	Good	Large field boundary tree. Large cavity to main stem extending from ground level to 4m. Brown rot and decay with some suspended pieces of heartwood. Large amount of dead wood with some well decayed pieces. Good vigour		A ,3	Long
T940	Common ash	10.0	1.5	690	1	1.0	4.0	1.0	6.0	3.0	W	Mature	Poor	All major branches dead towards ends - naturally retrenching. Minor cavities at branch loss sites.		C ,2	Long
T941	Pedunculate oak	18.0	1.5	1310	1	10.0	10.0	10.0	10.0	3.0	SE	Mature	Good	Massive tree on field boundary. Some large deadwood. No visible significant defects.		A ,1, 2	Long
T942	Pedunculate oak	18.0	1.5	1450	1	10.0	10.0	10.0	10.0	4.0	NE	Mature	Good	Massive tree on field boundary. Some large deadwood. Bifurcated at 3m. No visible significant defects.		A ,1, 2	Long
T943	Pedunculate oak	12.0	0.5	680	1	7.0	7.0	7.0	7.0	4.0	N	Mature	Fair	Mature open grown tree on edge of pond. Some medium deadwood. Some large wounds and attached decaying timber.		B ,1, 2	Long
T944	Pedunculate oak	8.0	0.5	450	1	5.0	5.0	5.0	5.0	2.5	SE	Middle Age	Fair	open grown tree on edge of pond. Some medium deadwood. Some large wounds. Some Black bleeds and bark damage on stem and branches.		B ,1, 2	Long
T945	Leyland cypress	6.0	0.0	294	6	1.0	1.0	1.0	1.0	0.0	E	Middle Age	Fair	Multi stemmed tree typical of species.		C ,2	Short
T946	Common ash	12.0	2.5	499	3	4.0	5.0	5.0	7.0	1.5	W	Middle Age	Poor	Roadside tree in boundary hedgerow. Some stumps of stems that have already failed. Obvious signs of ash dieback.		C ,2	Short
T947	Sycamore	12.0	1.0	600	1	7.0	4.5	8.5	7.0	1.5	NE	Middle Age	Fair	Larger tree within woodland. On top of raised area. Some upper crown dieback. numerous broken branches and stubs. Bark wounds throughout, some developing into decay pockets and cavities. Some full dead limbs		B ,2, 3	Medium
T948	Sycamore	12.0	1.0	580	1	5.0	6.0	5.0	5.0	1.0	N	Middle Age	Fair	Larger tree within woodland. At top of raised area. Some dieback in canopy. Broken branches and stubs including some large pieces. Dead wood throughout.		B ,2	Medium
T949	Black locust	12.0	2.0	570	1	3.0	6.0	7.0	3.0	2.0	E	Middle Age	Fair	Larger tree within woodland. Suppressed to north and west. Decayed root buttresses to west. Rather bedraggled looking with dieback throughout canopy. Dead wood		C ,2	Short
T950	Sycamore	12.0	1.5	490	1	3.5	4.5	6.0	4.0	2.0	E	Middle Age	Fair	Larger tree within woodland. Multistemmed above 1.5m. Sparse canopy with dieback throughout. Numerous dead branches with saprophytes. Wounding and decay at main stem unions.		C ,2	Short
T951	Sycamore	13.0	1.5	610	1	6.5	4.5	10.0	7.5	1.5	E	Middle Age	Fair	Larger tree within woodland. Crown bias to east. Southern part of canopy showing dieback. Epicormic growth on main stems. Some damage to root buttresses. Dead wood throughout.		B ,2	Medium
T952	Sycamore	13.0	1.5	590	1	6.5	8.5	8.0	4.0	2.0	E	Middle Age	Fair	Larger tree on woodland edge. Suppressed to west. Some dieback in canopy. Dead wood throughout. Long linear wound with decay to northern limb. Decay to large southern limb		B ,2	Medium
T953	Sycamore	11.0	2.0	420	1	4.0	3.0	4.5	4.5	2.0	N	Middle Age	Fair	Larger tree within woodland. Upright form. Dieback throughout with rather sparse crown. Large amount of dead wood including some large pieces. Bark wounds and decay.		C ,2	Short
T954	Sycamore	13.0	1.0	590	1	4.5	7.0	8.0	6.0	1.5	S	Middle Age	Fair	Larger tree within woodland. Dieback in canopy, particularly to south. Dead wood and large stubs throughout. Numerous wounds and decay pockets. Basal wounding to south and west.		C ,2	Medium
T955	Black locust	12.0	2.0	528	2	5.0	6.0	7.0	4.0	3.0	E	Middle Age	Poor	Larger tree within woodland. Large stem cut and partially failed to south. Sparse crown with dieback throughout. Large dead stems and branches.		C ,2	Short
T956	Sycamore	13.0	1.5	610	1	7.0	5.0	7.0	7.5	1.5	E	Middle Age	Fair	Larger tree within woodland. Bifurcate above 1.5m with tight unions and some decay. Dead wood throughout. Numerous bark wounds		B ,2	Medium
T957	Sycamore	13.0	1.5	620	1	7.0	4.5	8.0	6.0	1.5	N	Middle Age	Fair	Larger tree within woodland. Dead wood throughout. Various wounds to stem and branches.		B ,2	Medium
T958	Sycamore	12.0	1.5	580	1	7.0	7.5	6.0	4.0	1.5	NW	Middle Age	Fair	Larger tree within woodland. Large failed stems in upper crown with hanging dead wood. Numerous bark wounds with minimal decay. Reasonable vigour overall		B ,2	Medium
T959	Sycamore	13.0	1.5	650	1	6.0	8.0	7.0	7.0	1.5	S	Middle Age	Fair	Larger tree on woodland edge. Canopy bias to south. Numerous wounds to stems and branches with decay and cavity formation. Dead wood in canopy. Reasonable vigour.		B ,1, 2	Medium

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T960	Black locust	13.0	2.0	600	1	3.5	6.0	5.0	5.0	2.0	W	Middle Age	Fair	Larger tree within woodland. Multistemmed above 1.5m with tight unions. Vertical wound extending from base into secondary leader. Dead wood throughout crown		B ,2	Medium
T961	Sycamore	12.0	1.0	560	1	7.0	6.5	5.0	7.0	1.5	S	Middle Age	Fair	Larger tree within woodland. Basal wounding extending around 50% of stem. Broken branches and stubs. Minor dead wood throughout. Reasonable vigour		B ,2	Medium
T962	Sycamore	11.0	2.0	570	1	5.0	6.0	6.0	3.0	1.5	W	Middle Age	Poor	Larger tree within woodland. Appears to be fully ring barked at base but still showing signs of life. Dead wood throughout canopy		U	Very Short
T963	Black locust	11.0	4.0	555	2	4.0	8.0	5.0	3.5	3.0	E	Middle Age	Fair	Larger tree within woodland. Bifurcate at base with further bifurcation of larger stem above 1.5m. Tight unions. Dead wood throughout including some large pieces. Occasional small cavities		B ,2	Medium
T964	Black locust	12.0	5.0	600	2	6.0	9.0	8.0	10.0	1.5	SE	Middle Age	Fair	Larger tree within woodland. Multistemmed above 1.5m with tight unions. Epiphyte elder in union. Dead wood throughout including some large pieces. Vertical decay columns on main stem with unidentified decay fungi.		B ,2	Medium
T965	Black locust	14.0	6.0	670	1	5.0	7.0	7.0	6.0	4.0	S	Middle Age	Fair	Larger tree within woodland. numerous dead branches. Signs of ground heave to west. Upright form with numerous tight unions.		B ,2	Medium
T966	Black locust	14.0	6.0	620	1	6.0	5.0	4.5	6.0	6.0	S	Middle Age	Fair	Larger tree within woodland. High crown form. Upright with tight unions. Dead wood throughout crown.		B ,2	Medium
T967	Sycamore	13.0	2.0	600	1	7.5	6.5	4.5	7.0	2.0	N	Middle Age	Fair	Larger tree within woodland. Dead wood throughout. Bifurcate at 2m. Bark wounds with some early decay. Reasonable vigour overall.		B ,2	Medium
T968	Black locust	14.0	5.0	640	1	6.0	7.0	8.0	4.0	6.0	NE	Middle Age	Fair	Larger tree within woodland. Bifurcate above 1.5m with tight unions. Two major stem failures with suspended broken limbs and large wounds. Reasonable vigour overall.		C ,2	Medium
T969	Sycamore	13.0	2.0	570	1	7.0	6.0	6.0	7.0	1.5	NW	Middle Age	Fair	Larger tree within woodland. Dead wood throughout canopy. Minor bark wounds on main stem. Reasonable vigour overall.		B ,2	Medium
T970	Hybrid black poplar	18.0	6.0	760	1	8.0	8.0	11.0	4.0	5.0	SE	Middle Age	Good	Very large tree in woodland. Suppressed to west. Dead wood throughout including some large pieces. Leaning to east. Good vigour		B ,2	Medium
T971	Hybrid black poplar	19.0	6.0	980	1	10.0	11.0	8.0	10.0	4.0	S	Middle Age	Good	Huge tree within woodland. Bifurcate above 1.5m with good union. Dead wood throughout including some large pieces. Good vigour		B ,2	Medium
T972	Sycamore	10.0	0.5	928	4	9.0	8.5	8.0	7.0	1.0	NE	Mature	Fair	Very large multistemmed tree towards edge of woodland. Squat form. Numerous bark wounds with minor decay. Crown almost to ground level. Good vigour		B ,1, 2, 3	Long
T973	Pedunculate oak	11.0	6.0	770	1	6.0	6.5	5.5	5.0	6.0	W	Middle Age	Fair	Large tree next to farm access. Road and concrete pad to south and east. Crown raised. Numerous stem wounds and epicormic growth		B ,1, 2	Long
T974	Pedunculate oak	11.0	6.0	900	1	7.0	7.0	8.0	5.0	6.0	N	Mature	Good	Large boundary tree. Farm access 4m to north. Large limb failed in past with torn stub but no decay. Dead wood in crown. Dense ivy on main stem and into canopy.		B ,1, 2, 3	Long
T975	Common ash	13.0	1.5	743	2	5.5	6.5	5.5	7.0	1.5	NW	Mature	Fair	Large tree at edge of field, on south side of a ditch. Bifurcate at 1.5m with a reaction wood rib on north-east side. Previous moderate branch failures and occasional occluding cavities with bat potential. Some minimal twig dieback and slight crown sparsity.		B ,1, 2, 3	Medium
T976	Pedunculate oak	11.0	4.0	600	1	3.5	6.0	5.5	5.0	3.0	S	Middle Age	Good	Open grown tree. Compacted track to north. Pruning wounds and large stubs. Some broken branches. Dead wood in crown.		B ,1, 2, 3	Long
T977	Pedunculate oak	13.0	2.0	610	1	5.5	7.5	7.5	5.5	2.0	W	Middle Age	Fair	Tree located on the bank of a ditch. Cavity with bat potential on west side at 2.5m. Some small to medium broken branches hanging on the east side. Some bark damage on south side starting to heal. Moderate deadwood in the canopy.		B ,1, 2, 3	Long
T978	Pedunculate oak	8.0	4.0	400	1	4.0	5.0	3.5	5.0	4.0	S	Middle Age	Fair	Hedgerow tree. Slightly sparse crown. Crown raised with some crude cuts and large stubs. Old broken branches. Ditch to east.		B ,2, 3	Long
T979	Pedunculate oak	9.0	3.0	480	1	7.0	5.0	5.0	7.0	3.0	N	Middle Age	Fair	Hedgerow tree. Crown raised to east with some crude cuts and stubs. Dead wood including some well decayed pieces. Some small cavities. Ditch to east		B ,2, 3	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T980	Pedunculate oak	7.0	3.0	360	1	4.0	3.5	3.0	3.5	3.0	NE	Middle Age	Fair	Rather stunted hedgerow tree. Historic limb failure to east with large wound. Signs of crude pruning with half cuts and tears. Ditch to east		B ,2, 3	Medium
T981	Pedunculate oak	9.0	3.0	440	1	5.0	7.0	5.5	6.0	3.0	S	Middle Age	Fair	Hedgerow tree. Crudely crown raised to east with stubs. Lower crown flailed into hedge. Dead wood throughout. Ditch to east		B ,2, 3	Long
T982	Pedunculate oak	12.0	3.5	620	1	5.0	8.0	6.5	7.0	3.5	NW	Middle Age	Good	Larger hedgerow tree. Crown raised to east with some stubs. Cavity or woodpecker hole at 5m east. Ditch to east		A ,2, 3	Long
T983	Sycamore	12.0	1.0	820	1	5.0	7.0	7.0	7.0	1.0	S	Mature	Fair	On the west side of a drainage ditch. Some small to medium snapped branches. Cavities on the south side at 2m from previously failed branches. Fluted stem at the base.		B ,1, 2, 3	Long
T984	Pedunculate oak	10.0	3.0	590	1	3.0	5.5	3.0	5.0	3.0	S	Middle Age	Fair	Tree at corner of 2 hedgerows. Crown raised to north and east with numerous stubs and some flush cuts.		B ,2	Medium
T985	Sycamore	13.0	0.0	750	1	5.0	6.0	6.0	4.5	0.0	E	Mature	Good	Tree at edge of ditch on south side. Dense epicormic growth at base with larger branch growing to east from base. Some failed branches field side from mechanical damage.		B ,1, 2	Long
T986	Common ash	9.0	5.0	350	1	1.0	1.5	3.0	0.5	5.0	S	Middle Age	Dead	Standing dead tree. Large main stem cavity		U	Very Short
T987	Pedunculate oak	12.0	4.0	590	1	7.0	5.0	6.0	5.5	5.0	NW	Middle Age	Fair	Hedgerow tree. Numerous failed branches with split stubs. Lower branches flailed into hedge. Major historic tear out of secondary stem to south-west with large wound. Ditch to east		B ,2	Long
T988	Sycamore	12.0	3.0	580	1	6.0	7.0	5.0	5.0	3.0	NE	Middle Age	Fair	On south bank of drainage ditch, decayed wound and previously failed branch with decay column on the west side at 1.5 to 2m. Tree becomes bifurcate at 2.5m. Reasonably well rounded canopy.		B ,1, 2	Long
T989	Pedunculate oak	12.0	4.0	600	1	4.5	8.0	7.0	7.0	4.0	W	Middle Age	Good	Large hedgerow tree. Numerous failed limbs with torn stubs and cavity formation. Dead wood throughout crown.		B ,2, 3	Long
T990	Pedunculate oak	7.0	2.0	600	1	6.0	1.0	5.0	3.5	2.0	E	Middle Age	Fair	Squat twisted tree with major cavity in main stem. Large failed limbs with broken stubs.		B ,3	Medium
T991	Pedunculate oak	12.0	4.0	610	1	5.0	6.0	7.5	7.0	4.5	NW	Middle Age	Good	Large hedgerow tree. Crown raised to north with some large stubs. Dead wood throughout including some well decayed pieces. Ditch to north. No major defects noted.		A ,1, 2	Long
T992	Pedunculate oak	12.0	2.5	750	1	9.5	6.5	7.0	2.5	2.5	NE	Mature	Fair	Tree next to pavement in boundary group. Ivy clad lower stem obscuring inspection of large longitudinal wound on north-west side. Occlusion around wound but some decay also evident. Large pruning wounds on west side of lower canopy. Canopy biased to north. Large deadwood in crown. Twisting inner branch structure.		B ,2, 3	Medium
T993	Pedunculate oak	9.0	2.0	569	3	8.0	5.0	6.0	1.0	2.0	S	Middle Age	Fair	Some poor pruning, some deadwood in canopy. A moderate amount of epicormic growth throughout.		B ,1	Long
T994	Common ash	5.0	1.8	200	1	2.0	2.0	2.0	2.0	1.8	N	Middle Age	Good	Small ash tree, pavement with manhole to the west 1m from base, path to the north 1.5m from base.		C ,1	Long
T995	Cherry species	6.0	0.0	400	1	3.0	3.0	3.0	3.5	1.5	W	Mature	Dead	Completely dead, next to path.	Fell and remove.	U	Very Short
T996	Field maple	10.0	2.5	391	2	5.0	4.0	3.0	3.0	2.0	S	Middle Age	Good	Tree on boundary close to path. Bifurcate mid-stem. Rounded canopy. No major issues.		B ,1	Long
T997	Pedunculate oak	9.0	2.0	450	1	5.0	6.0	7.0	6.0	3.0	W	Middle Age	Fair	Open grown boundary tree. Large failed limbs to north with retained dead and decaying stub. Dead wood in crown		B ,2, 3	Long
T998	Pedunculate oak	8.0	3.0	600	1	4.0	6.5	7.0	5.0	3.0	SW	Middle Age	Fair	Open grown hedgerow tree. Numerous broken branches and stubs. Dead wood throughout crown.		B ,2, 3	Long
T999	Pedunculate oak	8.0	2.5	620	1	5.0	8.0	7.0	6.0	2.5	S	Middle Age	Fair	Large hedgerow tree. Large cavity to main stem with brown rot. Decay into large southern branch with hollowing and splits. Further dead wood throughout canopy. Good habitat		B ,2, 3	Long
T1000	Common ash	10.0	3.0	690	1	6.0	6.0	7.5	5.5	2.5	E	Middle Age	Fair	Large hedgerow tree. Cavity into main stem at 3m to east. Dead wood throughout canopy with saprophytes. Unable to assess ash dieback. Vigour seems reasonable		B ,3	Medium
T1001	Pedunculate oak	9.0	2.0	590	1	4.5	7.0	7.0	5.0	3.0	E	Middle Age	Good	Open grown hedgerow tree. Dead wood and broken limbs throughout canopy. Some small cavities		B ,1, 2	Long
T1002	Pedunculate oak	8.0	3.0	700	1	6.5	8.0	4.0	5.0	2.0	N	Middle Age	Fair	Squat broad tree with burred stem. Various wounds and minor decay to branches.		B ,1, 2	Long
T1003	Pedunculate oak	7.0	2.0	390	1	3.0	4.0	3.0	4.0	2.0	NW	Middle Age	Fair	Smaller hedgerow tree. Major cavity to main stem with brown rot.		B ,2, 3	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1004	Pedunculate oak	16.0	2.0	1123	3	7.0	11.0	8.5	10.0	2.0	NE	Mature	Good	Large oak tree, trifurcate at base, adjacent to field boundary fence (north-west side) canal on south-east side around 9m from the base. Epicormic growth throughout the canopy and some on the stem, small deadwood throughout the canopy. Ivy clad. Black ooze coming from old wound. Large oak visible from road significant feature on the landscape.		A ,1, 2	Long
T1005	Pedunculate oak	5.0	1.0	860	1	2.0	5.0	2.5	5.0	1.0	SE	Mature	Fair	Large mature oak within linear group next to canal and path. Large butt due to twisting stem form. Leans heavily to south-west towards canal path. Stem and large branches cut previously with canopy comprising regrowth stems from wounds and remnant stubs. Some erosion of ground around base and buttresses leaving exposed roots. Large decaying Stem wound evident, potentially from loss of another large Stem historically. Ganoderma sp. Fruiting bodies on south-eastern lower stem. Necrotic patches of bark. Cavities with bet potential. An interesting tree with many habitat features.		B ,2, 3	Medium
T1006	Pedunculate oak	10.0	1.5	950	1	6.0	7.0	7.0	8.0	2.0	NW	Mature	Fair	Large tree on edge of pond. Signs of historic limb failures with wounds and cavity formation. Rooting appears mainly to east. Ploughing within 2m of stem with roots up to 40mm severed. Signs of dieback and reduced vigour		B ,2, 3	Medium
T1007	Pedunculate oak	8.0	2.0	720	1	3.5	6.0	5.0	5.5	2.5	N	Middle Age	Fair	Hedgerow tree. Basal cavity to south with brown rot. Some large broken branches with torn stubs. Further small cavities in crown.		B ,2, 3	Long
T1008	Pedunculate oak	12.0	2.0	860	1	6.0	8.0	10.5	8.0	2.5	SE	Mature	Good	Large hedgerow tree. Numerous old branch failures with decay and cavity formation. Some dead wood in crown. Ploughed to 1.5m to south and 3m to north. Good vigour overall		A ,1, 2, 3	Long
T1009	Pedunculate oak	9.0	2.0	590	1	4.5	6.0	5.0	5.5	2.0	E	Middle Age	Fair	Hedgerow tree. Flail damage to stem. Numerous broken branches and stubs. Some well decayed dead wood.		B ,2	Long
T1010	Pedunculate oak	8.0	2.0	500	1	4.5	5.0	5.0	5.0	2.0	E	Middle Age	Fair	Hedgerow tree. Large longitudinal wound to lowest branch. Dense lower canopy flailed into hedge		B ,2	Long
T1011	Common alder	13.0	2.0	400	1	4.0	4.0	1.0	6.0	2.0	W	Middle Age	Good	Previous poor pruning throughout, dead decaying branch south-west side at 2.5m with decay fungi present. Canopy bias to the west due to competition.		B ,1	Long
T1012	Common alder	10.0	0.0	840	1	3.0	5.0	8.0	1.0	0.0	SE	Mature	Fair	Large mature alder on stream bank. Very large butt that is fairly fluted exaggerating stem diameter somewhat but fairly typical of species. Large basal cavity on south side either some occlusion evident but significant decay column up into stem. Leans to east and canopy biased in this direction. Very little canopy to west due to adjacent trees suppressing it. Interesting tree with habitat value.		B ,2, 3	Medium
T1013	Common ash	12.0	2.0	760	1	6.5	7.0	6.0	7.5	2.5	S	Mature	Fair	Large boundary tree. Major limb failure to east with wound and decay. Large stem wounds from 1m to 4m with exposed heartwood. Numerous cavities providing habitat		B ,3	Medium
T1014	Common ash	8.0	2.0	290	1	3.0	3.5	3.0	4.0	2.5	SE	Middle Age	Poor	Tree on edge of small pond. Clear dieback in crown		C ,3	Short
T1015	Hornbeam	13.0	2.0	700	1	9.0	6.0	9.0	8.0	2.0	SW	Mature	Fair	Large co-dominant stem has recently failed creating a large tear out wound on the south-west side of the stem. Large cavity on the south-east side at around 2m extending downwards the extent of which is unknown. Remaining canopy looks healthy. South-west canopy exaggerated due to failed stem, the stem is still attached. Largest tree in the group.		B ,2, 3	Medium
T1016	Pedunculate oak	8.0	2.5	700	1	5.0	5.5	7.0	3.5	3.0	S	Middle Age	Fair	Squat boundary tree. Burred stem with epicormic growth flailed into hedge. Failed branches and stubs in canopy. Some dead wood. Good vigour		B ,2	Long
T1017	Pedunculate oak	9.0	2.0	610	1	8.0	6.0	7.0	5.5	2.5	N	Middle Age	Fair	Squat tree within hedgerow. Twisted and congested crown. Perhaps old pollard. Numerous pruning wounds with both flush cuts and stubs.		B ,2, 3	Long
T1018	Hornbeam	13.0	1.5	540	1	6.0	5.0	1.0	12.0	2.0	W	Middle Age	Fair	Tree immediately adjacent to stream on bank. Bifurcate with very wide and open union at 2m. Canopy heavily biased to west and suppressed to east. Previously branch failures with regrowth stems evident. Part of riparian corridor.		B ,1, 2	Long
T1019	Hornbeam	13.0	2.5	420	1	5.5	4.0	2.0	12.0	3.5	E	Middle Age	Fair	Tree immediately adjacent to stream on bank. Canopy heavily biased to west and suppressed to east. Previously branch failures with regrowth stems evident. Leans heavily to west with stem crossing stream. Part of riparian corridor.		B ,1, 2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1020	Sycamore	6.0	2.0	290	2	3.0	3.0	3.5	2.0	2.5	W	Middle Age	Fair	Small twin stemmed tree on stream bank		C ,2	Long
T1021	Pedunculate oak	10.0	2.0	840	1	6.0	7.0	7.0	5.5	3.0	N	Mature	Good	Large tree next to stream. Ploughed within 1m to south. Several failed limbs with torn stubs and decay. Dead wood throughout. Some small cavities. Good vigour		A ,2	Long
T1022	Pedunculate oak	12.0	2.5	840	1	8.0	8.0	8.0	8.0	2.5	E	Mature	Good	Large oak in field boundary hedge. Typical rounded and wide spreading canopy form. Some epicormic growth within inner canopy. Minor deadwood. No major defects noted.		A ,1	Long
T1023	Common lime	7.0	2.5	350	1	3.5	4.0	3.0	3.0	2.0	SW	Middle Age	Good	Tree inside hedge growing next to road, bifurcate at 2 meters with an included union. Tree stakes and wire mesh is still in place. Rot in old pruning wound. Small deadwood.	Remove stakes and wire mesh.	B ,1, 2	Long
T1024	Horse chestnut	3.0	0.5	217	3	3.0	2.0	0.5	2.0	0.3	W	Middle Age	Poor	Previous stem has failed and decayed in the centre of the tree. Deadwood throughout. Tree stakes and wire mesh still present.	Remove stakes and mesh.	C ,1	Short
T1025	Common ash	9.0	2.0	250	1	4.0	4.0	3.0	3.0	2.5	N	Middle Age	Poor	Some deadwood - most likely ash dieback. Epicormic growths in the crown. Tree is in a hedgerow bordering a field and road. Tree stakes and wire mesh are still in place.	Remove tree.	U	Very Short
T1026	Common ash	9.0	2.5	300	1	5.0	5.0	4.0	5.0	2.5	W	Middle Age	Fair	Some signs of Ash dieback small deadwood and moderate epicormic growth in the crown. Splits into 4 stems at 2m with included unions. Tree stakes and wire mesh are still in place. Well rounded canopy. Growing in hedgerow adjacent to road and field.	Remove stakes and mesh.	B ,1, 2	Medium
T1027	Pedunculate oak	9.0	1.5	400	1	4.0	5.0	4.5	5.0	1.5	NE	Middle Age	Good	Hedgerow tree immediately adjacent to road. Reasonably rounded canopy. Lower limbs flailed with hedge. Protective cage and wooden posts still around stem. No major defects noted.	Remove cage and wooden posts.	B ,1	Long
T1028	Pedunculate oak	9.0	1.5	650	1	5.5	6.0	5.5	7.0	2.0	NW	Middle Age	Fair	Hedgerow tree immediately adjacent to road. Canopy biased to west. Slight lean to south. Small amount of moderate branch failures and deadwood.		B ,1	Long
T1029	Pedunculate oak	10.0	3.0	800	1	6.0	9.0	7.5	7.5	2.5	SE	Mature	Fair	Large cavity on east side at 2m full extent of which unknown however light is visible through the top. Moderate deadwood throughout. Unsympathetic pruning historically. Fairly well rounded canopy.		B ,2, 3	Medium
T1030	Cherry species	4.0	2.0	99	2	1.5	2.0	1.5	1.5	2.0	S	Middle Age	Good	Small garden tree.		C ,1	Medium
T1031	Japanese maple	3.0	2.0	112	3	1.0	1.0	0.8	1.3	1.0	N	Middle Age	Fair	Small diameter tree poor pruning.		C ,1	Long
T1032	Japanese maple	3.0	1.0	75	2	1.0	1.0	1.0	1.0	1.0	S	Middle Age	Good	Small garden tree.		C ,1	Medium
T1033	Pedunculate oak	8.0	2.0	361	2	5.0	5.0	5.5	4.0	2.0	W	Middle Age	Fair	Smaller tree at southern end of avenue. Heavily pruned with numerous stubs resulting in dead limbs in places.		B ,2	Long
T1034	Sycamore	14.0	2.0	1100	1	9.0	11.0	10.5	9.0	2.0	N	Mature	Good	Huge tree within avenue along access road. Crown raised to east. Some pruning wounds and some. Some dead wood. Excellent condition with no significant defects		A ,1, 2, 3	Long
T1035	Sycamore	10.0	2.0	520	1	3.5	4.5	5.5	4.0	2.0	NW	Middle Age	Fair	Avenue tree. Hard surface 1m to north and west. Pruned back from cables to east. Numerous pruning wounds. Some basal wounds.		B ,2, 3	Long
T1036	Sycamore	14.0	2.0	1050	1	8.0	8.0	8.5	8.0	2.0	S	Mature	Good	Huge avenue tree. Crown raised to east. Some pruning wounds and small stubs. Some dead wood in crown. Excellent vigour and no significant defects		A ,1, 2, 3	Long
T1037	Sycamore	14.0	2.0	860	1	7.0	6.0	7.0	7.5	2.0	S	Middle Age	Good	Large avenue tree. Pruned to clear lines to east. Numerous pruning wounds with some stubs and decay. Some minor cavities. Hard surface 1m to south and west.		A ,2, 3	Long
T1038	Norway maple	13.0	2.0	960	1	9.0	8.0	9.0	8.0	1.5	W	Mature	Good	Very large avenue tree. Dead wood throughout canopy. Some broken branches and stubs. Some pruning wounds. Notable tree		A ,1, 2, 3	Long
T1039	Sycamore	12.0	2.0	940	1	6.0	6.5	6.5	7.0	2.0	S	Mature	Fair	Very large avenue tree. Numerous pruning wounds with some early decay. Some broken branches and stubs. Various cavities.		A ,2, 3	Long
T1040	Sycamore	14.0	2.0	1000	1	8.0	8.5	7.5	8.0	2.0	W	Mature	Good	Huge avenue tree. Numerous pruning wounds with some stubs. Dead wood in crown. Minor basal wound to south. Good vigour and no significant defects		A ,1, 2, 3	Long
T1041	Sycamore	12.0	2.0	770	1	7.0	8.0	3.5	6.0	2.0	S	Mature	Fair	Large avenue tree. Numerous pruning wounds and stubs. Heavily reduced to east. Vigorous regrowth from pruning wounds		B ,2, 3	Long
T1042	Norway maple	9.0	1.5	500	1	5.0	4.5	4.0	5.0	1.5	NW	Middle Age	Fair	Smaller avenue tree. Numerous pruning wounds and stubs. Some early decay. Some wounds to branches		B ,2, 3	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1043	Sycamore	11.0	2.0	810	1	6.5	8.5	6.5	4.5	2.0	S	Mature	Good	Large avenue tree. Crown raised to west. Some stubs including large decaying piece to west. Occasional small cavities. Dead wood throughout		A ,2, 3	Long
T1044	Sycamore	14.0	2.0	1050	1	9.0	8.5	8.5	10.0	2.0	W	Mature	Good	Huge avenue tree. Several large branch socket cavities to south. Epiphyte elder in union at 5m. Some dead wood in crown. Excellent condition and no significant defects noted		A ,1, 2, 3	Long
T1045	Sycamore	8.0	2.0	270	1	4.0	4.0	4.5	0.5	1.5	S	Middle Age	Fair	Smaller tree within avenue. Heavily suppressed to west. Broken branches and stubs. Minor dead wood throughout		B ,2	Long
T1046	Sycamore	14.0	2.0	1020	1	9.5	9.0	8.0	8.0	2.5	NW	Mature	Good	Huge avenue tree. Kerbs right to base east. Some pruning wounds and stubs. Crossing branches in canopy. Minor dead wood throughout		A ,1, 2, 3	Long
T1047	Sycamore	14.0	2.0	790	1	7.0	9.0	8.0	8.5	2.5	SE	Mature	Good	Large avenue tree. Pruning wounds and stubs. Some decay and cavity formation. Good vigour		A ,1, 2, 3	Long
T1048	Sycamore	8.0	2.0	280	1	4.0	3.5	3.0	3.5	2.0	S	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1049	Sycamore	8.0	2.0	270	1	4.0	4.0	3.0	3.5	2.0	S	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1050	Sycamore	8.0	2.0	280	1	3.5	3.5	3.0	3.5	2.0	NE	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1051	Sycamore	8.0	2.0	320	1	4.5	5.0	4.0	4.0	2.0	SW	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1052	Sycamore	8.0	2.0	250	1	3.5	3.0	4.0	4.0	2.0	NE	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1053	Sycamore	8.0	2.0	300	1	3.5	3.5	3.5	3.5	2.0	N	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1054	Sycamore	8.0	2.0	260	1	3.5	3.5	3.5	3.5	2.0	SW	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1055	Sycamore	8.0	2.0	260	1	3.5	3.5	3.5	3.5	2.0	N	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1056	Sycamore	8.0	2.0	200	1	3.0	3.0	4.0	3.0	2.0	SW	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1057	Sycamore	8.0	2.0	290	1	4.0	4.0	4.0	4.0	2.0	S	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1058	Sycamore	8.0	2.0	290	1	4.0	4.0	4.0	4.0	2.0	SE	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1059	Sycamore	8.0	2.0	260	1	3.5	3.5	3.0	4.0	2.0	SW	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1060	Sycamore	8.0	2.0	240	1	2.0	3.5	1.5	4.0	2.0	W	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1061	Sycamore	8.0	2.0	270	1	4.0	4.0	3.5	4.0	2.0	E	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1062	Sycamore	8.0	2.0	300	1	4.0	4.0	3.5	4.0	2.0	W	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1063	Sycamore	8.0	2.0	270	1	4.0	4.0	4.0	3.5	2.0	E	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1064	Sycamore	8.0	2.0	290	1	4.0	4.0	4.0	3.5	2.0	NE	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1065	Sycamore	8.0	2.0	290	1	4.0	4.0	4.0	3.5	2.0	E	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1066	Sycamore	8.0	2.0	280	1	3.0	3.0	4.0	3.0	2.0	E	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1067	Sycamore	8.0	2.0	290	1	4.0	4.0	3.0	4.0	2.0	W	Middle Age	Good	Part of linear group. Typical form with no major defects		B ,1, 2	Long
T1068	Sycamore	6.0	2.0	150	1	2.5	2.5	2.0	3.0	2.0	W	Middle Age	Fair	Part of linear group. Typical form with no major defects		C ,1, 2	Long
T1069	Common ash	12.0	2.0	1063	4	8.0	6.0	11.0	13.0	2.0	S	Mature	Fair	Huge multistemmed tree in woodland spur next to stream. Multistemmed with fifth large stem failed at base. Large amounts of dead wood in canopy with some large pieces. Numerous cavities and decay pockets. Broken branches and stubs. Appears to have good vigour. Very impressive tree.	May be worth revisiting in summer to assess extent of chalara resistance	B ,1, 2, 3	Medium
T1070	Sycamore	12.0	0.5	735	6	5.5	5.5	5.5	5.0	0.0	E	Mature	Good	Basally multi-stemmed tree growing from southern ditch bank. Large stool with 6 stems and reasonably large epicormic growth from stool. Flailed lower limbs. Lateral rooting in ditch bank evident with some erosion of bank evident.		B ,1, 2	Long
T1071	Pedunculate oak	14.0	1.5	600	1	8.0	8.5	8.5	7.0	2.0	SW	Middle Age	Good	Tree located on south side of ditch in bank. Moderate deadwood. Flailed lower canopy, leaving some remnant stubs. Rounded canopy. No major defects noted.		B ,1, 2	Long
T1072	Common alder	9.0	0.5	622	8	7.0	5.5	7.0	6.0	0.5	W	Mature	Good	Basally multi-stemmed tree growing from southern ditch bank. Large stool with 8 stems and epicormic growth from stool. Flailed lower limbs. Occluding cavity on north side of stem with degradation evident.		B ,1, 2	Long
T1073	Common alder	12.0	0.5	580	5	6.5	2.5	5.5	3.0	0.5	SW	Middle Age	Fair	Basally multi-stemmed tree growing from southern ditch bank. Stool with 5 stems. Flailed lower limbs. Occluding cavity on north-eastern side of stem with degradation evident. Pruned southern canopy due to proximity of adjacent telegraph post and wires. Western canopy suppressed due to proximity of adjacent tree.		B ,1, 2	Long
T1074	Common alder	12.0	0.5	580	5	6.5	2.5	5.5	3.0	0.5	SW	Middle Age	Fair	Basally bifurcate tree growing from southern ditch bank. Tall narrow form. Flailed lower limbs. Southern and south-eastern canopy suppressed by adjacent tree. Tree close canopy to telegraph post and wires.		B ,1, 2	Long

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1075	Pedunculate oak	11.0	0.5	540	1	7.0	6.0	4.5	6.5	1.0	NW	Middle Age	Fair	Tree located on south side of ditch in bank. Flailed lower canopy, leaving some remnant stubs. Squat form. Previous stem failure from former bifurcation union at 2m with remnant dead stub and a degrading wound from a previous branch failure. Telephone wires over top of tree. Suppressed canopy to east due to proximity of adjacent tree.		B ,2, 3	Long
T1076	Pedunculate oak	14.0	1.0	580	1	5.0	6.0	6.5	6.0	2.0	W	Middle Age	Good	Tree located on south side of ditch in bank. Flailed lower canopy. Pruned northern canopy to give clearance to telephone wires. No major defects noted.		B ,1, 2	Long
T1077	Common ash	14.0	5.0	630	1	6.5	8.5	7.5	6.5	4.0	E	Middle Age	Fair	Tree located on south side of ditch in bank. Moderate to major deadwood. Previous large branch failures with subsequent tearing sounds and stubs. Canopy appears fairly sparse with twig dieback and epicormic growth. Symptoms indicative of ash dieback disease.		C ,2, 3	Short
T1078	Pedunculate oak	11.0	1.0	600	1	5.5	5.0	5.5	5.0	1.5	E	Middle Age	Good	Tree located on south side of ditch in bank. Flailed lower canopy. Rounded and squat form. No major defects noted.		B ,1, 2	Long
T1079	Pedunculate oak	11.0	1.5	580	1	5.5	5.0	4.0	5.0	2.0	SW	Middle Age	Good	Tree located on south side of ditch in bank. Flailed lower canopy. Squat form. Eastern canopy slightly suppressed by adjacent tree. No major defects noted.		B ,1, 2	Long
T1080	Pedunculate oak	12.0	1.5	580	1	4.0	5.0	5.0	5.0	2.5	NW	Middle Age	Good	Tree located on south side of ditch in bank and adjacent to where ditch widens into wet overgrown area. Flailed lower canopy. Small amount of deadwood. No major defects noted.		B ,1, 2	Long
T1081	Sycamore	10.0	1.0	461	2	2.5	4.0	4.0	3.0	1.5	SW	Middle Age	Fair	Tree located on south side of ditch in bank and adjacent to where ditch widens into wet overgrown area. Flailed lower canopy. Ivy growth on stems. Bifurcate. Canopy suppressed to north-west by adjacent tree.		B ,1, 2	Long
T1082	Common alder	12.0	1.7	530	2	4.0	3.0	8.0	4.0	0.0	N	Middle Age	Fair	Tree located on south side of ditch in bank and within wet area where ditch widens. Bifurcate. Large epicormic branch at base.		B ,1, 2	Long
T1083	Pedunculate oak	12.0	3.0	280	1	3.0	4.0	1.0	3.5	2.5	W	Middle Age	Fair	Tall skinny tree growing on southern ditch bank. Suppressed significantly to east by adjacent larger oak. Canopy biased to north-west.		C ,1, 2	Medium
T1084	Pedunculate oak	11.0	1.5	608	2	5.5	6.5	5.0	2.5	1.5	W	Middle Age	Good	Tree at edge of field adjacent to fence. Bifurcate at 1.5m with wide union. Western upper canopy slightly suppressed by adjacent oak and biased to east. Flailed lower branches. No major defects noted.		B ,1, 2	Long
T1085	Pedunculate oak	14.0	1.5	610	1	8.0	8.0	7.0	7.0	2.0	SE	Middle Age	Good	Tree at edge of field adjacent to fence. Trifurcate at 2-2.5m. Fairly wide spreading canopy that is biased to north-west and south-west. Moderate deadwood.		B ,1, 2	Long
T1086	Pedunculate oak	8.0	2.0	480	1	3.0	6.0	7.0	2.0	2.0	NW	Middle Age	Fair	Tree at edge of field adjacent to fence. Moderate deadwood including lowest branches. Canopy heavily suppressed to west by adjacent tree and heavily biased to north-east and south-west.		B ,1, 2	Long
T1087	Pedunculate oak	16.0	2.5	760	1	6.5	8.0	7.0	7.0	2.5	NE	Mature	Fair	Tree at edge of field adjacent to fence. Trifurcate mid-stem. Woodpecker hole on southern stem on upper side and a cavity at similar level on east side of stem. A large cavity present on upper side of western stem just above union. Large longitudinal wound on upper side of upper western stem above upper bifurcation union, stem appears to be hollowing beneath wound. Bat potential. Occasional failed branches evident. Owl box on eastern side of stem. Reasonably rounded canopy with wide spreading form. Prominent feature in landscape. Bird nest in upper canopy.		B ,1, 2, 3	Long
T1088	Common alder	10.0	1.5	650	1	5.5	6.0	4.5	5.0	1.0	SE	Mature	Good	Tree at edge of field adjacent to fence. Butt of tree starting to burr, typical of species. Epicormic growth from burr and base. Bifurcate mid-stem. Small branch socket cavity on north side of upper moderate branch with bat potential. No major defects noted.		B ,1, 2, 3	Long
T1089	Pedunculate oak	13.0	1.5	870	1	8.5	8.5	6.5	7.0	2.5	W	Mature	Fair	Tree at edge of field adjacent to fence. Large longitudinal cavity on west side of stem just below trifurcation union with apparent decay in wound, potentially hollowing down into stem slightly. Dead central large branch. Previous branch failures evident. Other large deadwood in canopy.		B ,1, 2, 3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1090	Common alder	9.0	1.0	550	1	5.0	4.0	5.0	2.0	1.0	W	Middle Age	Fair	Tree at edge of field next to corner of fence. Leans to east. Canopy suppressed to west by adjacent tree and biased to north-east. Burring of lower stem and butt, typical of species. Flailed epicormic and lower limbs.		B ,1, 2	Long
T1091	Pedunculate oak	16.0	1.0	760	1	9.0	6.5	7.5	5.0	2.0	NW	Mature	Fair	Tree at edge of field adjacent to fence. Large longitudinal cavity and wound on southern large lower branch that appears to protrude down into stem somewhat, although difficult to ascertain how far due to lack of access into adjacent field. Stem leans and canopy is biased to north-east. Minor to moderate deadwood throughout. Canopy appears a little sparse in places.		B ,1, 2, 3	Long
T1092	Pedunculate oak	5.0	1.5	270	1	4.5	1.0	1.0	3.0	1.5	SW	Middle Age	Fair	Small tree at edge of field next to fence. Heavily suppressed to south and east and biased to north-west. Stem heavily kinks at 2.5m to west.		C ,1, 2	Medium
T1093	Common alder	13.0	1.0	650	1	5.5	5.0	5.0	4.0	0.0	NW	Mature	Good	Tree at edge of field next to fence. Typical bottle butt developing characteristic of species when maturing. Large epicormic growth at base. Branch socket cavity with bat potential on north-west side mid-stem. Leans to north-east. 2 bird nests in canopy.		B ,1, 2, 3	Long
T1094	Common ash	14.0	2.5	750	1	5.0	5.0	8.0	6.0	0.0	NW	Mature	Fair	Tree at edge of field adjacent to fence and ditch. Bifurcate mid-stem. Large failure of western stem with some occlusion present but hollowing down into main stem. Branch failures throughout. Canopy fairly sparse with epicormic growth throughout internal canopy, indicative of ash dieback disease. Small bracket of Inonotus hispidus on lower stem on east side.		C ,2, 3	Short
T1095	Pedunculate oak	7.0	2.0	500	1	4.5	5.0	5.5	5.0	2.0	E	Middle Age	Fair	Hedgerow tree next to road. Numerous wounds and small cavities. Dead wood throughout crown		B ,2, 3	Long
T1096	Common ash	7.0	2.0	900	1	4.0	5.0	5.0	4.5	2.5	E	Mature	Poor	Roadside hedgerow tree. Gnarled and twisted form with burred stem makes measuring difficult. Large wound to west where major stem failed in past. Slightly sparse crown. Several cavities and hollows. Dead wood in crown.		C ,2, 3	Short
T1097	Common ash	11.0	3.5	950	1	5.5	6.0	8.0	3.0	3.0	N	Mature	Poor	Large roadside tree in hedgerow. Dieback with dead limbs in upper canopy. Cavity with hollowing into main stem at 2m to north. Large dead stub to south with decay.		B ,3	Short
T1098	Pedunculate oak	11.0	1.0	800	1	5.5	6.0	5.5	5.0	1.5	SW	Mature	Good	Tree growing in ditch bank. Slight lean to west. Fairly rounded canopy. Squat form. Occasional failed branches. Small amount of moderate deadwood. No major defects noted.		B ,1, 2	Long
T1099	Common ash	9.0	4.0	620	1	7.0	8.0	5.5	4.5	5.0	N	Middle Age	Fair	Large roadside tree. Some dieback in crown. Some large linear wounds to branches. Numerous small cavities.		C ,2, 3	Medium
T1100	Pedunculate oak	11.0	0.5	800	1	5.5	4.0	5.0	5.0	1.0	NE	Mature	Good	Tree growing in ditch bank. Bifurcate mid-stem. Slight lean to west. Fairly rounded canopy. Squat form. Occasional failed branches. Small amount of moderate deadwood. No major defects noted.		B ,1, 2	Long
T1101	Pedunculate oak	8.0	2.0	750	1	5.0	7.0	7.0	6.5	2.5	E	Middle Age	Fair	Large tree set back from hedge and road. Wounds to branches overhanging road to south. Dense ivy on stem and into crown. Some small cavities		B ,2	Long
T1102	Pedunculate oak	11.0	1.0	700	1	5.0	5.0	5.5	5.5	1.5	SE	Mature	Good	Tree growing in ditch bank. Bifurcate mid-stem. Leans to north-east. Fairly rounded canopy. Squat form. Occasional failed branches. Small amount of moderate deadwood. No major defects noted.		B ,1, 2	Long
T1103	Pedunculate oak	8.0	0.3	550	1	5.0	4.0	5.0	4.5	1.0	W	Middle Age	Good	Tree growing in ditch bank. Leans to north-east. Fairly rounded canopy. Squat form. Occasional failed branches. Small amount of moderate deadwood. Flailed lower branches. No major defects noted.		B ,1, 2	Long
T1104	Pedunculate oak	13.0	2.0	650	1	5.0	2.5	5.0	6.0	3.5	W	Middle Age	Poor	Moribund tree at end of drive adjacent to road and old telegraph post. Significant dieback throughout canopy with limited budding. Moderate to major deadwood throughout.	Fell.	U	Very Short
T1105	Pedunculate oak	16.0	4.5	760	1	7.5	9.5	12.0	7.0	5.5	N	Mature	Poor	Tree on east side of driveway with significant canopy dieback throughout and moderate to major deadwood. Epicormic growth throughout canopy indicating stress. Canopy biased to east.		C ,2, 3	Short

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1106	Pedunculate oak	17.0	2.5	900	1	7.5	9.0	6.5	10.0	4.0	NW	Mature	Fair	Tree on west side of driveway with significant canopy dieback throughout and moderate to major deadwood, including lowest branch. Epicormic growth throughout canopy indicating stress. Canopy biased to west. Previous branch failures with deadwood stubs. More live buds than opposite tree, but still heavily reduced from normal expected budding.		B ,2, 3	Medium
T1107	Pedunculate oak	10.0	3.5	500	1	3.5	4.5	4.0	4.5	3.0	SW	Middle Age	Fair	Tree on west side of driveway. Dieback in canopy and suppressed to north by adjacent tree. Canopy biased to south-west. Previous branch failures with deadwood stubs and small branch socket cavities.		B ,1, 2	Medium
T1108	Pedunculate oak	11.0	4.0	540	1	5.0	6.5	10.0	6.0	4.0	NW	Middle Age	Fair	Tree on east side of driveway. Dieback in canopy and suppressed to north and north-west by adjacent tree. Canopy biased to east and south-east. Previous branch failures with deadwood stubs and small branch socket cavities. Stem leans to east. Moderate deadwood.		B ,1, 2	Medium
T1109	Pedunculate oak	15.0	3.5	850	1	7.5	9.5	8.5	7.0	3.0	NW	Mature	Fair	Tree on east side of driveway. Some dieback in crown, but in much better condition than some nearby trees. Previous branch failures with deadwood stubs. Stem leans slightly to south-east. Moderate deadwood. Crown slightly thin in places.		B ,1, 2	Long
T1110	Pedunculate oak	10.0	2.0	580	1	6.0	4.5	2.0	6.0	2.5	N	Middle Age	Fair	Tree on west side of driveway. Some dieback in crown. Previous branch failures. Previously bifurcate at 2.5m, but southern stem has historically failed leaving a large wound on stem. Stem kinks at former bifurcation union to west.		B ,1, 2	Medium
T1111	Pedunculate oak	10.0	2.0	580	1	2.5	3.0	6.0	3.5	2.0	SW	Middle Age	Poor	Moribund tree on west side of driveway. Significant dieback and major deadwood in crown overhanging driveway. Some branches with reasonable vigour and budding but majority of canopy dead or dying. Some cavities, apparent stem hollowing mid-stem, and lifting bark with bat potential. Habitat value.	Fell or remove branches, reduce in height to 4m and retain as habitat monolith.	U	Very Short
T1112	Pedunculate oak	10.0	2.0	760	1	6.0	6.5	5.5	5.0	3.0	NW	Mature	Fair	Tree on west side of driveway. Some dieback in crown. Previous branch failures. Bifurcate at 2.5m with wide union. Stem leans to west. Pruned limbs and remnant stubs evident. Ivy clad. Minor deadwood.		B ,1, 2	Medium
T1113	Pedunculate oak	11.0	2.0	720	1	4.5	5.5	5.0	4.5	3.5	W	Mature	Fair	Tree on east side of driveway. Some dieback in crown. Previous branch failures and pruning. Bifurcate at 2m with wide union. Moderate deadwood. Dense epicormic growth throughout canopy indicating stress. Burring of stem and branches in places.		B ,1, 2	Medium
T1114	Pedunculate oak	16.0	4.0	810	1	6.5	6.0	7.0	6.5	2.5	W	Mature	Good	Tree on east side of driveway. In close proximity to electricity post and wires with some resultant branch pruning on south side to maintain clearance. Occasional twig dieback with minor and occasional moderate deadwood. Potential stem wound on west side with water run off creating thick green algae layer. Canopy a little thin in places but otherwise one of the healthiest trees in the avenue.		B ,1, 2	Long
T1115	Pedunculate oak	7.0	2.0	480	1	3.5	3.0	3.5	2.0	2.5	S	Middle Age	Fair	Tree on east side of driveway. Significant dieback in of upper branches in crown. Previous branch failures and pruning on north side away from electricity post and wires. Remaining budding is healthy and provides reasonable cover. Ivy clad.		C ,2, 3	Short
T1116	Pedunculate oak	17.0	4.0	940	1	9.5	9.0	9.5	9.5	4.0	W	Mature	Good	Large tree on east side of driveway. Bifurcate at 2.5m with wide spreading union. Crown lifted previously with occluding wounds. Some previous moderate branch failures and deadwood. A prominent and vigorous tree.		A ,1, 2	Long
T1117	Common hawthorn	5.0	0.5	245	6	2.0	2.5	2.0	2.0	1.0	E	Middle Age	Good	Multi-stemmed tree at edge of field on fence line. Potentially a lapsed section of hedge.		C ,1	Long
T1118	Field maple	6.0	1.5	210	1	2.0	2.0	2.5	2.0	1.5	W	Middle Age	Good	Planted tree with staking and tree tie still attached. Appears established.		C ,1	Long
T1119	Pedunculate oak	13.0	4.0	800	1	7.0	7.5	6.5	8.0	4.0	NW	Mature	Fair	Roadside tree in hedge. Bifurcate at 2.5m with wide union. Crown lifted previously. Eastern stem is significantly dying back or dead with live budding only on lower branches. Canopy fairly sparse. Deadwood appears to be over field rather than road.		B ,2, 3	Medium
T1120	Pedunculate oak	14.0	3.5	560	1	5.0	7.0	6.0	6.0	3.0	E	Middle Age	Good	Roadside tree in hedge. Crown lifted previously. Covered in dead ivy vines that have been severed. Slight lean to north. No major defects noted.		B ,1, 2	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1121	Pedunculate oak	14.0	3.5	870	1	5.0	9.5	6.5	7.0	2.5	SW	Mature	Good	Roadside tree in hedge. Crown lifted previously. Ivy clad, some of which is dead. Occasional branch failure. Small amount of moderate deadwood in canopy. Slight lean to north. No major defects noted.	Remove deadwood 75mm diameter and above where it is within falling distance of road.	A ,1, 2	Long
T1122	Pedunculate oak	15.0	3.0	800	1	6.0	9.0	7.5	7.0	3.0	NE	Mature	Good	Roadside tree in hedge. Crown lifted previously. Ivy clad, some of which is dead. Occasional branch failure, the largest of which has torn out leaving a stub with a hazard beam and branch attached. No major defects noted.	Remove hazard beam stub and attached branch.	A ,1, 2	Long
T1123	Pedunculate oak	14.0	3.0	650	1	4.0	7.0	6.5	6.0	3.0	SW	Middle Age	Good	Roadside tree in hedge. Crown lifted previously. Ivy clad. Occasional branch failure, including a large failure over the road previously leaving a remnant stub and canopy gap. Tree is otherwise in good health and condition.		B ,1, 2	Long
T1124	Pedunculate oak	15.0	3.5	820	1	10.0	10.5	9.0	8.0	2.5	W	Mature	Good	Roadside tree in hedge. Crown lifted previously. Ivy clad. Occasional branch failure. Small pieces of moderate deadwood. Multi-stemmed form with wide spreading canopy. No major defects noted.		A ,1, 2	Long
T1125	Pedunculate oak	12.0	3.0	550	1	3.5	5.5	4.5	6.5	3.0	W	Middle Age	Fair	Roadside tree in hedge. Crown lifted previously. Occasional branch failure including some failures in lower and mid northern canopy with remnant stubs. Northern canopy a little sparse and asymmetric.		B ,1, 2	Medium
T1126	Pedunculate oak	15.0	3.5	860	1	7.0	10.0	7.0	9.0	3.5	E	Mature	Good	Roadside tree in hedge. Crown lifted previously. Occasional branch failure. Moderate deadwood. Multi-stemmed at 2-2.5m with wide unions creating wide spreading canopy. Ivy clad. No major defects noted.	Remove deadwood 75mm diameter and above where it is within falling distance of the road.	A ,1, 2	Long
T1127	Pedunculate oak	13.0	3.0	570	1	2.5	7.5	4.5	4.5	2.5	S	Middle Age	Fair	Roadside tree in hedge. Crown lifted previously. Ivy clad. Occasional branch failure including some failures in lower and mid northern canopy with remnant stubs. Northern canopy a little sparse and asymmetric. Short lengths of moderate deadwood.		B ,1, 2	Medium
T1128	Corkscrew willow	12.0	2.0	500	1	6.0	6.0	4.0	4.5	2.0	E	Middle Age	Good	Tree within grass close to outbuilding. Multi-stemmed at c. 2.5m. Typical twisting and curving twigs and branches. One failed and hung up moderate branch in eastern canopy.		B ,1, 2	Long
T1129	Pedunculate oak	13.0	2.5	750	1	8.0	9.0	7.5	6.0	2.0	N	Mature	Fair	Roadside tree within hedge. Heavily ivy clad restricting inspection. Occasional moderate branch failures evident. Appears to be a gap in northern canopy, potentially caused by previous failure, however unable to see any wound due to ivy. Reasonable bud coverage. Bifurcate at 2m with very wide union.		B ,1, 2	Long
T1130	Sycamore	11.0	2.5	425	2	4.5	3.0	3.5	4.0	2.5	NE	Middle Age	Fair	Roadside tree within hedge. Heavily ivy clad restricting inspection. Basally bifurcate with included union. Growing immediately adjacent to oak tree and suppressed to south and east.		B ,2	Medium
T1131	Pedunculate oak	7.0	3.5	450	2	1.0	5.5	5.5	1.0	2.5	S	Middle Age	Fair	Roadside tree within hedge. Heavily ivy clad restricting inspection. Growing immediately adjacent to twin stemmed sycamore tree and significantly suppressed to north and west. Canopy biased to south-east. Canopy also seems to be suppressed from above, but potentially a stem has failed previously leading to low, squat and asymmetric canopy; unable to see any wound due to ivy.		B ,2	Medium
T1132	Pedunculate oak	14.0	3.0	800	1	6.0	8.5	6.5	7.5	2.0	E	Mature	Good	Roadside tree within hedge. Heavily ivy clad restricting inspection. Fairly wide spreading canopy. Bifurcate at 2m with wide union. Small amount of moderate deadwood. Large, prominent tree.		A ,1, 2	Long
T1133	Pedunculate oak	13.0	2.0	780	1	7.5	7.0	6.5	6.0	2.0	NE	Mature	Good	Roadside tree within hedge. Heavily ivy clad restricting inspection. Fairly wide spreading canopy. Bifurcate at 2m with wide union. Small amount of moderate deadwood. Large, prominent tree.		A ,1, 2	Long
T1134	Common ash	8.0	1.5	450	1	4.5	4.0	5.0	6.5	1.5	NW	Middle Age	Fair	Roadside tree in hedge. Basally bifurcate with included union. Further bifurcation and union inclusion in canopy. Previous failures with occluding wounds. Minor twiggy deadwood but otherwise appears in reasonable health.		B ,1	Long
T1135	Crack willow	15.0	1.0	781	2	7.0	9.0	8.0	7.0	3.0	S	Mature	Fair	Large twin stemmed tree on stream bank. Waterlogged at base. Numerous limb failures typical of species. Good vigour		B ,2, 3	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1136	Sycamore	16.0	2.0	750	1	6.0	6.0	6.0	6.0	3.5	NE	Mature	Good	Roadside tree in hedge near corner of Foggs Lane. Bifurcate at c. 3.5m; union obscured by ivy growth. Rounded canopy and vigorous. An attractive and prominent tree.		A ,1, 2	Long
T1137	Common alder	13.0	1.0	763	3	8.0	8.0	9.0	4.0	1.0	S	Middle Age	Good	Multistemmed tree next to stream. Waterlogged ground. Some broken branches and stubs. Minor dead wood in crown		B ,1, 2	Long
T1138	Pedunculate oak	11.0	1.5	800	1	6.0	6.0	8.0	5.5	2.0	SE	Mature	Fair	Roadside tree in hedge. Multi-stemmed at c. 4m. Heavily ivy clad restricting inspection. Canopy biased heavily to east and south-east. Lower branches flailed.		A ,1, 2	Long
T1139	Common alder	13.0	4.0	490	1	6.5	7.0	3.5	2.5	4.0	N	Middle Age	Good	Upright tree next to stream. Very close to another tree. Suppressed to east and west. Some dead wood in crown		B ,1, 2	Long
T1140	Common alder	13.0	4.0	510	1	7.0	7.0	2.5	2.5	3.0	S	Middle Age	Good	Upright tree next to stream. Very close to another tree. Suppressed to east and west. Some dead wood in crown		B ,1, 2	Long
T1141	Common alder	14.0	1.0	681	3	6.5	9.0	6.0	3.5	1.0	SE	Middle Age	Good	Large multistemmed tree on stream bank. Two stems very upright, third leans south. Some broken branches and stubs. Minor dead wood in crown		B ,1, 2	Long
T1142	Common alder	14.0	1.0	400	1	1.0	7.0	3.0	4.0	1.5	SW	Middle Age	Good	Growing on stream bank. Suppressed to north and east with crown bias south-west. Some minor dead wood in crown		B ,1, 2	Long
T1143	Common alder	14.0	2.0	587	2	5.5	6.0	5.0	5.0	3.0	N	Middle Age	Good	Twin stemmed tree with rather upright form. Growing in stream. Minor dead wood in crown		B ,1, 2	Long
T1144	Pedunculate oak	13.0	1.0	850	1	8.5	8.5	8.5	8.5	1.0	W	Mature	Good	Large and attractive tree with wide spreading canopy. Growing adjacent to ditch and culvert pipe. Slight lean to north-west. Moderate deadwood in canopy. Inspection restricted by fencing.		A ,1, 2	Long
T1145	Pedunculate oak	10.0	3.0	750	1	6.0	7.5	5.0	6.0	3.5	SW	Middle Age	Good	Large hedgerow tree. Some dead wood in crown including well decayed pieces. Part of prominent linear group. Good vigour and no significant defects		A ,2, 3	Long
T1146	Pedunculate oak	13.0	2.5	800	1	7.0	9.0	8.0	7.0	3.0	S	Middle Age	Good	Large tree within hedgerow. Bifurcate at 1.5m with fusion at union forming single stem. Minor dead wood throughout crown. Broken branches and stubs. Some small cavities. Good vigour and no major defects		A ,2, 3	Long
T1147	Pedunculate oak	10.0	1.5	560	1	6.0	6.5	7.0	5.5	1.5	N	Middle Age	Good	Tree growing within boundary group beyond fence. Lower branches pruned leaving remnant stubs. Slight lean to south-west. Multi-stemmed at 2m. Some small branch failures and deadwood stubs. No major defects noted. Inspection restricted by fencing.		B ,1, 2	Long
T1148	Pedunculate oak	13.0	1.0	630	1	8.0	8.0	8.0	8.0	0.5	NW	Middle Age	Good	Attractive tree with wide spreading canopy. Multi-stemmed at 2m. Occasional small branch failures. Rounded canopy. Inspection restricted by fencing. No major defects noted.		A ,1, 2	Long
T1149	Pedunculate oak	14.0	2.5	870	1	8.0	9.0	6.5	8.5	4.0	N	Mature	Good	Large hedgerow tree. Prominent part of linear group. Large limb removed to south with stub. Dead wood throughout canopy with some well decayed pieces. Longitudinal wound with decay to large limb west. Various cavities and decay pockets. Good vigour		A ,1, 2, 3	Long
T1150	Pedunculate oak	12.0	2.0	640	1	8.0	7.0	4.5	6.0	2.5	W	Middle Age	Good	Tree within linear group. Numerous pruning wounds with retained stubs, some heavily decayed. Minor dead wood in crown		B ,1, 2, 3	Long
T1151	Pedunculate oak	10.0	1.5	537	3	6.0	5.5	7.5	6.0	1.0	N	Middle Age	Good	Tree growing within boundary group beyond fence. Lower branches pruned. Trifurcate at 1m with further bifurcation above. Some small branch failures and deadwood stubs. No major defects noted. Inspection restricted by fencing.		B ,1, 2	Long
T1152	Pedunculate oak	14.0	2.0	980	1	8.0	11.0	5.0	10.0	2.5	SW	Mature	Good	Very large tree within linear group. Suppressed to east by adjacent tree. Historic limb failure to north with old well decayed stub. Dead wood throughout with some very well decayed pieces. Prominent and imposing tree		A ,1, 2	Long
T1153	Turkey oak	15.0	1.5	1000	1	10.0	11.0	12.0	10.0	4.0	NW	Mature	Good	Very large tree within linear group. Two large limbs removed to south with one stub and decay in both wounds. Minor dead wood throughout. Very prominent tree		A ,1	Long
T1154	Common hawthorn	4.0	0.5	291	7	3.0	3.0	3.0	3.0	1.0	W	Middle Age	Good	Reasonable sized hawthorn on ditch bank. Leans to east due to growing on steeply sloping bank. Basally multi-stemmed. Rounded canopy.		B ,1	Long
T1155	Sycamore	15.0	2.0	920	1	8.0	7.0	7.5	8.0	5.0	N	Mature	Good	Very large tree within linear group. Some large broken branches and stubs. Minor dead wood throughout. Good vigour and no significant defects.		A ,1, 2	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1156	Common ash	12.0	2.5	350	1	5.0	5.5	3.5	5.0	3.5	W	Middle Age	Fair	Tree growing within linear roadside group. Slight lean to north-west. Trifurcate at c. 3.5m. Some key retention, potentially indicating ash dieback infection.		B ,1, 2	Medium
T1157	Sycamore	13.0	4.0	450	1	5.0	6.5	3.0	2.0	3.0	SE	Middle Age	Fair	Tree growing within linear roadside group. Slight lean to north-east. Multi-stemmed at 4m. Some dieback evident.		B ,1, 2	Medium
T1158	Pedunculate oak	13.0	5.0	300	1	3.5	1.5	3.0	4.0	4.5	NW	Middle Age	Fair	Tree growing within linear roadside group. Tall and narrow form.		B ,1, 2	Medium
T1159	Pedunculate oak	10.0	0.3	450	1	2.5	6.5	3.5	3.5	1.0	S	Middle Age	Fair	Tree growing next to eastern edge of linear roadside group as part of linear row of oaks. Canopy suppressed to north by adjacent tree and biased to south-east. Occasional branch failures. Inspection restricted by access.		B ,1, 2	Long
T1160	Pedunculate oak	11.0	2.0	620	1	3.5	6.0	6.5	6.0	1.5	SE	Middle Age	Fair	Tree growing next to eastern edge of linear roadside group as part of linear row of oaks. Canopy suppressed to north by adjacent tree and biased to south-east and north-west. Occasional branch failures. Heavily ivy clad. Inspection restricted by access and ivy.		B ,1, 2	Long
T1161	Pedunculate oak	11.0	1.5	450	1	3.0	5.0	4.0	4.5	1.5	E	Middle Age	Fair	Tree growing next to eastern edge of linear roadside group as part of linear row of oaks. Canopy suppressed to north by adjacent tree. Occasional branch failures. Small amount of moderate deadwood. Inspection restricted by access.		B ,1, 2	Long
T1162	Pedunculate oak	11.0	2.0	450	1	6.5	5.0	4.5	2.0	2.0	NE	Middle Age	Fair	Tree growing next to eastern edge of linear roadside group as part of linear row of oaks. Canopy suppressed to west by adjacent large ash tree that has now partially failed. Occasional branch failures. Small amount of moderate deadwood. Stem of failed ash hung up in canopy. Inspection restricted by access.		B ,1, 2	Long
T1163	Sycamore	15.0	2.5	420	1	5.0	3.0	4.0	3.5	3.0	NE	Middle Age	Good	Tree growing within linear roadside group. Slight lean to east. Slight lower canopy suppression to west. Minor deadwood.		B ,1, 2	Long
T1164	Common ash	14.0	3.0	620	1	5.0	9.0	3.0	9.0	4.0	SW	Mature	Fair	Large tree within linear boundary group. Previously basally bifurcate, however the eastern stem has historically failed, leaving a large occluding wound on east side. Some potential hollowing of stem behind wound. Canopy biased heavily to west side due to failure and heavily weighted towards road. Moderate deadwood in canopy, some of which has failed and is hung up.	Monitor annually for signs of stem hollowing due to proximity to road.	C ,1, 2, 3	Medium
T1165	Pedunculate oak	9.0	3.5	700	1	7.5	7.0	6.0	8.5	4.0	N	Middle Age	Good	Hedgerow tree with broad crown. Large cavity in upper crown with strong regrowth. Woodpecker hole in top of large branch to south-east. Well decayed dead wood in crown. Good habitat tree.		A ,3	Long
T1166	Pedunculate oak	8.0	2.5	700	1	8.5	8.5	5.5	5.0	3.0	NE	Middle Age	Fair	Large tree in hedgerow. Rather twisted crown form. Some cavities and decay pockets. Broken branches and stubs. Dead wood in crown.		B ,2, 3	Long
T1167	Pedunculate oak	9.0	2.5	770	1	7.0	7.5	7.0	7.5	3.0	N	Middle Age	Good	Large open grown tree in hedgerow. Broken branches and stubs in canopy. Minor dead wood. Several old well occluded pruning wounds. Good vigour and no significant defects		A ,1, 2	Long
T1168	Pedunculate oak	8.0	1.5	340	1	5.0	4.0	4.0	4.5	1.5	S	Middle Age	Good	Roadside tree. Slightly asymmetric canopy to east. Minor deadwood.		B ,1, 2	Long
T1169	Pedunculate oak	8.0	2.5	630	1	5.0	5.0	5.0	5.0	2.5	SE	Middle Age	Good	Roadside tree. Heavily ivy clad. Slight lean to north-west. Bifurcate mid-stem. Occasional deadwood and branch failures. Squat.		B ,1, 2	Long
T1170	Pedunculate oak	15.0	1.5	810	1	4.0	8.0	4.0	8.0	4.0	W	Mature	Fair	Large tree on edge of wet woodland. Gnarled and twisted canopy. Several large dead and decaying limbs. Various cavities and decay pockets. Good habitat tree		B ,1, 2, 3	Long
T1171	Pedunculate oak	10.0	2.5	630	1	5.0	5.0	7.5	7.5	3.0	W	Middle Age	Fair	Roadside tree adjacent to ditch. Slight lean to east. Trifurcate at 2.5m. Southernmost stem has failed previously leaving a large decaying stub with a cavity in it. A previous failure at the stem union is also decaying and this is leading up into western and potential northern canopy. Bat potential. Canopy biased to west and east.		B ,1, 2, 3	Long
T1172	Pedunculate oak	10.0	2.0	500	1	4.0	2.5	3.0	5.0	4.0	W	Middle Age	Fair	Woodland edge tree. Old spiral crack to major western limb with decay. Large stem failure in upper canopy with decay. Suppressed to south		B ,2, 3	Long
T1173	Sycamore	11.0	1.5	500	1	3.0	6.0	5.0	6.0	2.5	SW	Middle Age	Good	Tree on woodland edge. Suppressed to north. Some dead wood in canopy. Large basal suckers developing.		B ,1, 2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1174	Pedunculate oak	5.0	1.5	232	3	1.0	3.0	2.5	3.5	1.0	SE	Middle Age	Fair	Tree growing out of ditch bank. Two stems at base that are growing from same rooting stock. Northern canopy suppressed.		C ,1	Medium
T1175	Pedunculate oak	12.0	1.0	580	1	5.0	4.5	5.0	5.0	2.0	NE	Middle Age	Fair	Roadside tree growing on ditch bank. Ivy growth on stem. Previous moderate branch failures evident. Minor and small amount of moderate deadwood in canopy with moderate piece overhanging road. Crown lifted roadside. Canopy a bit thin.	Remove roadside deadwood 75mm diameter and above.	B ,1, 2	Medium
T1176	Pedunculate oak	5.0	2.0	220	1	2.0	2.5	2.0	2.0	2.0	N	Middle Age	Good	Roadside tree growing on ditch bank. No major defects noted.		C ,1, 2	Long
T1177	Pedunculate oak	12.0	1.5	750	1	5.0	7.0	7.0	7.0	2.0	E	Mature	Fair	Roadside tree growing on ditch bank. Lowest limb on east side dying with a cavity with bat potential in it. Some previous branch and deadwood failures. Canopy thinning in places. Some failed deadwood hung up.		A ,1, 2	Long
T1178	Pedunculate oak	14.0	2.5	800	1	6.0	9.0	7.5	7.5	2.5	W	Mature	Fair	Roadside tree growing on ditch bank. Lowest limb on east side. Some previous branch and deadwood failures. Canopy thinning in places. Ivy clad lower stems. Multi-stemmed at 1.7-2.5m.		A ,1, 2	Long
T1179	Pedunculate oak	8.0	2.0	533	3	4.5	3.5	5.0	3.0	2.0	SW	Middle Age	Fair	Roadside tree growing on ditch bank. Basally bifurcate with northern stem splitting again at 1m. Previous branch failures. Deadwood, mostly minor with one piece of moderate in southern canopy. Exposed buttress roots indicative of bank erosion; no symptoms of movement currently.		B ,2	Medium
T1180	Pedunculate oak	9.0	2.0	730	3	5.0	7.0	5.5	7.0	2.5	S	Mature	Fair	Roadside tree growing on ditch bank. Multi-stemmed mid-stem. Heavily ivy clad restricting inspection. Moderate deadwood. Canopy biased to south-west. Slight suppression to east.		A ,1, 2	Long
T1181	Pedunculate oak	13.0	3.5	601	2	3.0	8.0	6.0	6.0	2.0	SE	Middle Age	Fair	Roadside tree growing on ditch bank. Moderate deadwood. Canopy biased to south-west and south-east. Suppressed to north. Basally bifurcate.		B ,1, 2	Long
T1182	Pedunculate oak	8.0	3.0	550	2	5.0	4.5	3.5	5.0	2.0	W	Middle Age	Fair	Roadside tree growing on verge in hedge. Moderate deadwood. Bifurcate at 1.5m with very wide union. Slight suppression to south.		B ,1, 2	Long
T1183	Pedunculate oak	8.0	2.5	400	2	4.5	5.0	5.0	2.5	2.5	SW	Middle Age	Fair	Roadside tree growing on verge in hedge. Moderate deadwood and dieback in canopy. Canopy sparse in places. Occluding wound on stem, likely from mechanical damage.		B ,1, 2	Medium
T1184	Common alder	7.0	4.0	220	1	0.5	1.0	1.0	0.5	4.0	S	Middle Age	Poor	Moribund roadside tree in hedge.		U	Very Short
T1185	Pedunculate oak	14.0	2.0	840	1	7.5	7.5	9.0	7.5	2.5	N	Mature	Good	Roadside tree growing in hedge gap on verge. Ivy clad restricting inspection. Slight lean to east. Moderate deadwood. Occasional previous branch failures evident. Wide spreading canopy.		A ,1, 2	Long
T1186	Pedunculate oak	11.0	3.0	420	1	1.0	3.5	4.5	2.0	3.0	S	Middle Age	Fair	Roadside tree in hedge on verge. Heavily ivy clad restricting inspection. Bifurcate at 2m. Heavily suppressed to north. Tall and narrow form.		B ,2	Medium
T1187	Pedunculate oak	12.0	2.5	460	1	4.5	4.0	5.0	6.0	2.5	E	Middle Age	Fair	Roadside tree in hedge on verge. Tall and narrow form. Canopy a little sparse. Multi-stemmed at 3.5m.		B ,2	Medium
T1188	Pedunculate oak	12.0	1.7	400	1	4.0	2.0	5.5	6.0	1.7	E	Middle Age	Fair	Roadside tree on verge. Tall and narrow form. Suppressed to south. Ivy growth on mid-stem and upper canopy. Canopy biased to north-west.		B ,2	Medium
T1189	Pedunculate oak	12.0	2.5	580	1	5.0	6.5	5.5	5.5	2.0	S	Middle Age	Good	Roadside tree on verge. Ivy growth on stem. Slightly suppressed to north. Minor deadwood. No major defects noted.		A ,1, 2	Long
T1190	Pedunculate oak	12.0	3.0	580	1	4.0	3.5	5.0	5.0	2.0	SW	Middle Age	Good	Roadside tree on verge in hedge. Ivy growth on stem. Slightly suppressed to south. Minor deadwood. No major defects noted.		A ,1, 2	Long
T1191	Pedunculate oak	8.0	2.0	580	1	1.0	5.5	2.5	6.0	2.0	SE	Middle Age	Fair	Roadside tree on verge. Heavily suppressed to north and east with canopy biased to south-west. Previous failures with associated tearing wounds evident.		B ,2	Long
T1192	Pedunculate oak	8.0	2.5	710	1	7.5	6.0	6.0	6.5	2.0	NE	Mature	Good	Tree within field boundary hedge. Ground within eastern field waterlogged close to base. Bifurcate at 2m with a wide union. Some previous branch failures, likely mechanical damage during hedge flailing. Squat form. Bird nest in upper canopy.		A ,1	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1193	Pedunculate oak	7.0	2.0	650	1	7.0	6.0	5.0	4.0	2.0	NW	Mature	Fair	Tree within field boundary hedge at corner and adjacent to field gate. Ground within eastern and southern field waterlogged close to base. Some previous branch failures, likely mechanical damage during hedge flailing. Squat form. Dieback of upper branches, although budding immediately below and throughout rest of canopy giving good coverage. Wire fencing occluding into stem, causing burr.		B ,1	Long
T1194	Pedunculate oak	12.0	0.5	620	1	4.0	4.0	4.0	4.0	2.5	S	Middle Age	Good	Tree growing within field on bank of Caldwell Brook. Bifurcate at 2m. Occasional small branch failures. Appears in good health and condition with good vigour. Inspection restricted by access; surveyed from roadside vantage point.		A ,1, 2	Long
T1195	Pedunculate oak	10.0	1.0	480	1	4.0	3.0	3.5	3.5	2.0	NW	Middle Age	Good	Tree growing within field on bank of Caldwell Brook. Bifurcate at 2m. Occasional small branch failures. Slightly suppressed to south-east due to proximity of adjacent tree. Appears otherwise to be in good health and condition with good vigour. Inspection restricted by access; surveyed from roadside vantage point.		B ,1, 2	Long
T1196	Crack willow	16.0	0.0	1000	1	8.0	7.0	9.0	8.0	1.5	NW	Mature	Fair	Large willow at edge of pond overhanging desire line. Multi-stemmed at c. 1.7m; formerly had 5 stems, but now only 3 as two have been cut off. DBH taken at c. 1m below sign attached to stem. Failed branches throughout, commensurate with species and age. Moderate and major deadwood on ground and hung up in lower canopy. Failed branches still attached to tree and touching floor but still producing new growth. Tree forms part of wider group around pond.		B ,1, 2, 3	Long
T1197	Crack willow	13.0	0.5	1110	1	9.0	8.5	8.0	7.0	2.0	SE	Mature	Fair	Large willow at edge of pond forming part of wider tree group. Multi-stemmed at c. 1.8m. Some moderate failed branches throughout, commensurate with species and age. Minor deadwood. Large occluding basal wound on north side from base up to 2m. Stem hollow behind wound when sounded and moderate-sized cavity through to stem centre with bat and habitat potential. A further occluding cavity is at 2.5m on east side which likely leads down into hollow stem. Tree has good vigour and provides habitat.		B ,1, 2, 3	Long
T1198	Sycamore	13.0	0.0	969	2	10.0	8.5	8.0	8.0	0.0	W	Mature	Good	Basally bifurcate tree in field boundary hedge. Included stem union. Southern stem leans to south. Wide spreading canopy and reasonably squat form. Crown lifted previously and occasional branch failures.		A ,1	Long
T1199	Sycamore	12.0	2.0	670	2	5.5	5.5	6.5	6.0	2.0	W	Middle Age	Good	Tree within field boundary hedge. Crown lifted previously with lowest branches flailed. Fairly rounded canopy. No major defects noted.		A ,1	Long
T1200	Sycamore	12.0	2.5	670	2	5.0	6.0	7.5	5.0	2.5	E	Middle Age	Good	Tree within field boundary hedge. Crown lifted previously with lowest branches flailed. Fairly rounded canopy. No major defects noted.		A ,1	Long
T1201	Sycamore	10.0	2.5	602	2	4.5	4.5	4.5	4.5	2.5	W	Middle Age	Fair	Tree within field boundary hedge. Crown lifted previously with lowest branches flailed. Rounded canopy. Basally bifurcate. Ivy clad. Canopy appears a little more sparse than nearby trees.		B ,1	Medium
T1202	Sycamore	9.0	0.0	580	2	3.0	4.5	4.0	4.5	0.0	N	Middle Age	Poor	Moribund tree within field boundary hedge. Significant dieback of upper canopy. Ivy growth on stem. Some limited live buds, mostly located in southern canopy.		U	Very Short
T1203	Sycamore	7.0	2.5	520	2	3.5	3.5	3.0	3.5	1.6	NW	Middle Age	Poor	Moribund tree within field boundary hedge that is virtually dead with minimal live buds remaining.		U	Very Short
T1204	Native black poplar	22.0	0.5	1590	1	16.5	12.0	14.0	16.5	1.5	NW	Mature	Veteran	Huge tree growing at edge of field immediately adjacent to pond and ditch. Ivy clad lower stem. Huge bole that bifurcates at c. 1.8m, with both stems splitting again at c. 2.5m. Further bifurcation in canopy above. Occasional branch failures, but very few for a tree of this species and age in comparison to what would normally be expected. Small amount of twiggy dieback in places in upper canopy. Huge, wide spreading canopy. Characteristic habitat of species as very waterlogged in field and adjacent to pond. An excellent tree in exceptional condition for size and age with significant arboricultural, landscape and habitat value. Inspection restricted to south due to access.		A ,1, 2, 3	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1205	Native black poplar	11.0	0.0	1210	2	10.0	7.0	9.0	8.5	2.0	E	Mature	Fair	Large tree growing on pond bank. Basally bifurcate with wide union and further bifurcation above. Failed stems and branches throughout, commensurate with species and age. Flaking bark, cavities and deadwood with habitat and bat potential. Wide spreading canopy to east and west particularly. Northernmost stem is heavily biased and leans to north-west. Significant landscape, habitat and arboricultural feature.		B ,1, 2, 3	Medium
T1206	Pedunculate oak	8.0	1.5	670	1	7.0	6.0	6.0	5.5	1.5	SW	Middle Age	Fair	Tree growing within field boundary hedge close to electricity post and wires. Pruned on south side away from wires leaving gaps in southern canopy. Canopy biased to south-west. Ivy clad. Minor deadwood.		B ,1	Long
T1207	Common hawthorn	3.0	1.5	150	1	1.5	1.0	1.0	1.0	1.5	SW	Middle Age	Dead	Dead tree.		U	Very Short
T1208	Common ash	6.0	1.5	260	1	3.0	1.5	3.5	3.5	1.5	W	Middle Age	Fair	Tree within field boundary hedge. Ivy clad. Mechanical damage from flailing. Canopy fairly sparse.		C ,1	Short
T1209	Common alder	6.0	1.5	450	1	3.5	4.0	4.0	3.0	0.0	SE	Middle Age	Fair	Tree growing within boundary hedge adjacent to ditch. Large epicormic growths around base. Lower canopy and branches flailed with some bark damage from flailing on stem also evident. Cavity in lower stem at 0.5m on north-west side. Upper canopy fairly sparse. Squat form.		C ,1, 3	Short
T1210	Common ash	13.0	2.0	380	1	4.0	4.0	4.0	4.0	2.0	NE	Middle Age	Good	Tree within field boundary hedge close to road. Rounded canopy. Multi-stemmed at c. 2m. Ivy clad lower stems and unions restricting inspection.		B ,1	Long
T1211	Pedunculate oak	8.0	3.0	340	1	3.0	4.0	1.5	4.0	3.0	SW	Middle Age	Fair	Boundary tree at top of ditch. Large stem wound to south with decay and hollowing. Suppressed to east by adjacent tree.		B ,3	Medium
T1212	Pedunculate oak	8.0	3.0	800	1	4.0	5.0	6.0	3.5	3.0	NE	Middle Age	Fair	Large boundary tree at top of ditch. Totally failed main stem with extensive hollowing. Small vigorous remaining canopy.		B ,3	Medium
T1213	Pedunculate oak	7.0	1.5	510	1	4.0	4.5	4.5	4.0	2.0	NW	Middle Age	Fair	Boundary tree at top of ditch. Crudely pruned with large torn and split stubs. Further dead wood in crown. Visible root damage to south		B ,2, 3	Long
T1214	Common ash	12.0	2.0	890	1	9.0	7.5	7.5	7.0	3.0	W	Mature	Fair	Large tree within linear group. Stream to north. Bifurcate at 2m. Some large limb failures with stubs and decay. Slightly sparse crown with some dead wood. Further small cavities		B ,2, 3	Medium
T1215	Crack willow	13.0	3.0	900	1	7.0	5.0	5.0	5.0	4.0	N	Mature	Fair	Large tree within linear group. North side of stream, unable to access. Dense ivy on stem. Large wound to base south with decay into main stem. Possible second stem that failed.		B ,2, 3	Medium
T1216	Crack willow	11.0	2.0	950	1	8.0	7.0	4.5	9.0	2.5	SW	Mature	Fair	Large tree in linear group. Numerous split and torn branch stubs. Major secondary stem failure with torn stem and large wound. Vigorous regrowth from all wounds. Dead wood in crown		B ,2, 3	Medium
T1217	Common ash	11.0	3.0	800	1	8.0	5.5	7.5	9.0	3.0	NW	Mature	Poor	Large tree next to stream. Dieback throughout crown with weak reaction growth. Dead wood throughout. Historic lost leader with decay and possible stem hollowing		C ,2, 3	Short
T1218	Aspen	14.0	1.0	683	3	7.0	6.0	7.5	7.5	1.5	W	Mature	Good	Tree within boundary screening group. Trifurcate at 0.5m and 1.5m with included upper stem union. Minor lower branches pruned leaving stubs. No apparent significant branch failures. Good health and vigour. Large tree for species		B ,1, 2	Long
T1219	Aspen	12.0	2.0	460	1	5.0	3.5	5.0	5.0	2.0	W	Middle Age	Good	Tree around edge of picnic area within dense, small diameter tree group. Trifurcate at c. 1.7m. Minor lower branches pruned leaving stubs. No apparent significant branch failures.		B ,1, 2	Long
T1220	Aspen	11.0	1.5	470	1	6.5	6.5	4.0	6.0	2.0	NW	Middle Age	Good	Tree around edge of picnic area within dense, small diameter tree group. Ivy growth on stem. Bifurcate at c. 2m. Lower branches pruned leaving stubs. No apparent significant branch failures. Minor twiggy deadwood.		B ,1, 2	Long
T1221	Common hawthorn	4.0	2.0	181	5	2.0	1.5	2.0	2.5	2.0	W	Middle Age	Fair	Multi-stemmed tree on grass sloping hill next to picnic area and boundary group. Pruned lower canopy leaving wounds and stubs.		C ,1	Medium
T1222	Rowan	5.0	0.5	184	3	2.5	2.5	2.5	2.5	0.5	NW	Middle Age	Fair	Multi-stemmed tree on grass sloping hill next to picnic area and small diameter tree group. Pruned lower canopy leaving wounds and stubs.		C ,1	Medium
T1223	Goat willow	4.0	1.5	173	3	2.0	2.0	2.5	2.5	1.5	W	Middle Age	Fair	Basally multi-stemmed tree on grass sloping hill. Pruned lower canopy leaving wounds and stubs.		C ,1	Medium
T1224	Oak species	3.0	1.5	78	2	1.0	1.0	1.0	1.0	1.5	S	Middle Age	Fair	Small, basally bifurcate tree on grass sloping hill. Pruned lower canopy leaving wounds and stubs.		C ,1	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1225	Pedunculate oak	12.0	1.0	920	1	8.5	7.5	8.0	8.0	2.0	W	Mature	Fair	Roadside tree adjacent to ditch and fence. Slight lean to east. Previous branch failures including one on southern primary branch that has lead to hollowing of branch. Deadwood stubs.		A ,1, 2	Long
T1226	Sycamore	4.0	1.0	580	1	2.5	2.0	2.0	2.5	0.0	NE	Middle Age	Poor	One of a pair of moribund trees within roadside hedge. Top snapped out with decay. Branch failures and moderate to large deadwood. Cavities with bat potential.		U	Very Short
T1227	Sycamore	6.0	1.0	620	1	1.5	2.5	3.5	2.0	0.0	N	Middle Age	Poor	One of a pair of moribund trees within roadside hedge. Top snapped out with decay. Branch failures and moderate to large deadwood. Cavities with bat potential.		U	Very Short
T1228	Common ash	6.0	2.5	200	1	3.0	3.0	3.0	3.0	2.0	NW	Middle Age	Fair	Roadside tree within hedge. Lower limbs flailed. Rounded canopy. No significant tip dieback at present.		C ,1, 2	Medium
T1229	Common ash	10.0	2.0	400	1	6.5	5.0	7.0	6.5	2.5	W	Middle Age	Fair	Roadside tree within hedge and adjacent to ditch. Lower limbs flailed and branches removed field side. Heavy key retention and epicormic growths throughout canopy indicative of Ash dieback disease.		C ,1, 2, 3	Short
T1230	Common alder	7.0	2.5	520	1	6.0	3.5	5.0	5.5	2.5	NW	Middle Age	Fair	Roadside tree within hedge and adjacent to ditch. Lower limbs flailed and branches removed field side. Branch failures leaving potential branch socket cavities with bat potential. Leans to East. Southern canopy suppressed by adjacent Ash.		B ,1, 2, 3	Medium
T1231	Common ash	10.0	1.0	600	1	6.5	6.0	8.5	7.0	0.0	NW	Middle Age	Fair	Roadside tree within hedge and adjacent to ditch. Basal growths forming lowest branches. Lower limbs flailed and branches removed field side. Epicormic growths throughout canopy and some tip dieback indicative of Ash dieback disease. Branch failures with branch socket cavities and bat potential. Minor deadwood stubs.		C ,1, 2, 3	Short
T1232	Pedunculate oak	5.0	2.5	220	1	4.0	3.5	4.0	3.0	2.5	NW	Middle Age	Good	Roadside tree within hedge. Lower limbs flailed. Multi-stemmed at 2.5m.		C ,1, 2	Long
T1233	Common ash	6.0	2.0	276	2	4.0	2.5	4.0	4.0	2.0	S	Middle Age	Good	Roadside tree within hedge. Lower limbs flailed. Basally bifurcate. No significant tip dieback at present.		C ,1, 2	Long
T1234	Common ash	11.0	1.0	681	5	7.0	7.5	4.0	7.0	2.5	NE	Middle Age	Fair	Roadside tree adjacent to ditch on west side. Lower limbs flailed and branches removed. Occasional branch failures with branch socket cavities and bat potential. Minor deadwood stubs. Basally multi-stemmed with leaning stems and reasonably wide spreading canopy. Easternmost small stem moribund.		B ,1, 2, 3	Medium
T1235	Common ash	11.0	2.5	567	2	6.0	4.5	4.0	5.5	2.5	SW	Middle Age	Poor	Roadside tree adjacent to ditch on west side. Basally bifurcate. Branch socket cavities with bat potential. Dense epicormic growth throughout canopy with heavy key retention and tip dieback evident indicative of Ash dieback disease. Dieback throughout.		U	Very Short
T1236	Common ash	9.0	3.0	562	2	4.0	5.0	5.0	5.0	3.0	S	Middle Age	Fair	Roadside tree adjacent to ditch on east side. Basally bifurcate. Branch socket cavities with bat potential. Heavy key retention and some tip dieback evident indicative of Ash dieback disease. Heavily ivy clad stems.		C ,2, 3	Short
T1237	Common ash	12.0	2.0	650	2	9.0	9.5	9.0	5.5	4.0	SW	Middle Age	Fair	Roadside tree adjacent to ditch on east side. Branch socket cavities with bat potential. Wide spreading canopy except to west over road. Tip dieback appears minimal at present.		B ,1, 2, 3	Medium
T1238	Common ash	13.0	2.0	791	2	7.5	9.0	9.0	7.0	3.0	SW	Mature	Fair	Roadside tree adjacent to ditch on east side. Branch socket cavities with bat potential. Wide spreading canopy. Tip dieback appears minimal at present. Basally bifurcate with ivy clad union and lower stems. Leans to east.		B ,1, 2, 3	Medium
T1239	Common ash	12.0	2.0	650	2	6.0	6.0	3.0	7.0	3.0	NE	Middle Age	Fair	Roadside tree adjacent to ditch on east side. Large branch failures and socket cavities with bat potential. Tip dieback appears minimal at present. Ivy growth on lower stems. Large deadwood stubs.		B ,2, 3	Medium
T1240	Crack willow	13.0	1.5	470	1	4.0	4.5	4.0	4.5	1.5	NE	Middle Age	Good	Tree within garden. Inspection restricted by access. Minor branch failures. No major visible defects noted.		B ,1	Long
T1241	Weeping willow	10.0	2.0	470	1	5.5	5.5	5.5	4.5	2.0	W	Middle Age	Good	Tree within dilapidated brick planter adjacent to road. Typical weeping form. Bifurcate mid-stem. No major defects noted.		B ,1	Long
T1242	Pedunculate oak	7.0	1.0	439	2	6.0	6.5	4.0	4.0	1.0	S	Middle Age	Fair	Roadside tree in verge. Bifurcate and leans to north-west. Bifurcate. Cut back to east and west due to field and electric pole and wires. Minor failed branches hung up.		B ,1	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1243	Goat willow	9.0	2.5	450	2	6.0	5.0	4.0	6.0	1.0	NE	Middle Age	Fair	Tree on embankment of brook. Bifurcate at 2.5m with further bifurcation above. Included unions. 1 stem splitting at bifurcation union, likely to fail into field.		B ,1	Medium
T1244	Weeping willow	13.0	2.0	540	1	6.0	5.0	6.5	4.0	3.0	N	Middle Age	Good	One of a pair of roadside trees on either side of riding school access gate. On bank of brook. Typical weeping form.		B ,1	Long
T1245	Weeping willow	12.0	1.0	520	1	6.5	6.0	7.5	7.0	3.0	E	Middle Age	Good	One of a pair of roadside trees on either side of riding school access gate. On bank of brook. Typical weeping form. Trifurcate at c. 1.7m, but DBH measured at c. 1.3m due to stem flare below union.		B ,1	Long
T1246	Pedunculate oak	13.0	2.0	940	1	6.5	8.5	7.5	7.5	2.0	S	Mature	Fair	Tree on field boundary next to Back Lane on west side. Moderate dieback evident in northern canopy. Lower canopy flailed, creating burrs on stem with epicormic growth. Previous large branch failures including top of stem in centre of canopy that now appears to be hollowing. Large cavity on east side with bat potential; further smaller cavities in upper canopy.	Remove deadwood 75mm diameter and above where it overhangs road.	B ,1, 2, 3	Medium
T1247	Common ash	14.0	3.5	950	1	3.5	6.0	2.0	7.5	3.5	W	Mature	Poor	Large moribund tree on west side of Back Lane. Heavily ivy clad restricting inspection. Branch failures and cavities with bat potential. Habitat value.	Fell due to proximity to road or monolith to just below first scaffold branch and leave as habitat pole.	U	Very Short
T1248	Pedunculate oak	12.0	3.0	950	1	7.0	6.5	6.5	4.5	3.0	NW	Mature	Fair	Tree in field boundary hedge next to Back Lane on east side. Lower canopy flailed. Previous moderate branch failures. Large deadwood branch in lower southern canopy over road. Western canopy suppressed. Heavily ivy clad restricting inspection.	Remove deadwood 75mm diameter and above where it overhangs road.	B ,1, 2	Long
T1249	Pedunculate oak	15.0	3.5	1100	1	7.5	8.0	8.5	8.5	3.5	W	Mature	Good	Large tree in field boundary hedge next to Back Lane on east side. Lower canopy flailed. Previous moderate branch failures. Deadwood branch in lower northern canopy over road. Heavily ivy clad restricting inspection. Appears in good condition and vigorous.		A ,1, 2	Long
T1250	White willow	7.0	2.0	830	1	1.0	10.0	10.0	5.0	2.0	E	Mature	Fair	Large willow tree within boundary group. Potentially has historically uprooted partially and now leaning heavily and canopy growth heavily biased to south-east over PRoW path. Hung up in adjacent smaller trees. Ivy growth on lower stem. Previous branch failures evident and moderate to large deadwood failures also. Some tip dieback evident.		B ,1, 2, 3	Medium
T1251	Poplar species	17.0	4.0	500	1	5.5	4.0	6.5	2.5	1.5	SW	Middle Age	Fair	One of a pair of poplar trees within boundary group. Leans and growth biased to north-east towards road. Failed branches. Asymmetric and relatively skinny form.		B ,2	Medium
T1252	Poplar species	18.0	2.5	550	1	8.0	9.0	4.0	5.0	1.5	SW	Middle Age	Fair	One of a pair of poplar trees within boundary group. Failed branches. Moderate dieback of upper canopy. Deadwood.		B ,2	Medium
T1253	Pedunculate oak	9.0	2.5	450	1	6.0	5.0	5.5	5.0	3.0	S	Middle Age	Fair	Tree adjacent to hedge within gravel car park area of industrial unit. Significant dieback and canopy thinning throughout. Minor deadwood.		C ,1	Short
T1254	Poplar species	18.0	3.0	630	1	9.0	6.0	8.0	7.0	3.0	SE	Middle Age	Fair	A larger poplar tree at southern end of boundary group. Failed branches. Slight lean to south-east. Minor deadwood. Relatively high canopy for the most part, except for lowest branch.		B ,1, 2	Long
T1255	Sycamore	14.0	5.0	500	1	5.0	7.0	7.0	7.0	2.5	E	Middle Age	Fair	Open grown roadside tree within vegetated verge; some outer canopy displaying decline with localised small diameter deadwood, some over pavement and road; posing low risk; lower branches pruned to poor standard with stubs.	Monitor health and condition through routine Visual Tree Assessments.	B ,1, 2	Medium
T1256	Common ash	10.0	5.0	270	1	3.0	3.0	4.0	3.5	3.0	N	Middle Age	Fair	Successional roadside tree in vegetated verge; Chalara ash dieback disease symptoms; localised small diameter deadwood; basal wound; long term prospects for survival probably not great.	Monitor condition via routine Visual Tree Assessments to determine severity of Chalara disease and inform requirement for future tree works or removal; consider early removal and replacement.	C ,1	Medium
T1257	Sycamore	15.0	2.0	590	1	6.0	5.0	8.0	7.0	2.0	N	Middle Age	Good	Open grown tree in roadside verge; canopy reduced south east for powerline clearance; well balanced form overall; vigour appears good.		B ,1, 2	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T1258	Sycamore	15.0	4.0	640	1	7.0	8.0	9.0	8.0	2.0	E	Middle Age	Good	Open grown tree in roadside verge; canopy reduced south, poor standard of pruning with stubs remaining; well balanced form overall; vigour appears good; localised small diameter deadwood.		B ,1, 2	Long
T1259	Sycamore	15.0	2.0	580	1	6.0	8.0	7.0	7.0	2.0	S	Middle Age	Good	Open grown tree in roadside verge; canopy reduced south, small diameter pruning wounds occluding; well balanced form; vigour appears good; localised small diameter deadwood; tagged 0015.		B ,1, 2	Long
T1260	Pedunculate oak	10.0	2.0	490	1	3.0	7.0	7.0	7.0	2.0	NW	Middle Age	Good	Roadside amenity tree within vegetated verge; good health and condition; slight stem lean and significant canopy bias to south.		B ,1, 2	Long
T1261	Common ash	10.0	2.5	200	1	1.0	3.0	3.0	3.0	2.0	E	Middle Age	Fair	Successional tree in verge; some Chalara ash dieback disease symptoms but appears in reasonably good health, flowering well.	Monitor condition via routine Visual Tree Assessments to determine severity of Chalara disease.	C ,1	Medium
T1262	Common hawthorn	6.0	0.5	314	5	4.0	4.0	3.5	3.5	0.5	NW	Middle Age	Good	Early mature example of species with good form; flowering tree with amenity value; good health and condition, vigorous.		B ,1	Long
T1263	Pedunculate oak	16.0	1.0	600	1	7.0	9.0	5.0	6.0	1.5	N	Middle Age	Good	Healthy tree on Northern bank of ditch; canopy suppressed north; crown reduced south around street light; flowering well with bud burst underway.		B ,1, 2	Long
T1281	Sycamore	8.0	3.0	250	1	3.5	3.5	3.5	3.5	1.5	S	Middle Age	Fair	Tree in boundary hedgerow. Some minor deadwood.		C ,2	Medium
T1282	Crack willow	12.0	0.5	671	20	6.0	5.0	6.0	6.0	1.0	N	Middle Age	Good	Open grown tree with excellent form; very good health, vigorous flowering and buds burst; multi-stemmed at 1m, unable to access stems to measure, DBH estimated; candidate for Category A classification in short to medium term.		B ,1	Long
T10000	Not surveyed in detail																
T10001	Not surveyed in detail																
T10002	Not surveyed in detail																
T10003	Not surveyed in detail																
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T10037	Not surveyed in detail																
T10038	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T10039	Not surveyed in detail																
T10040	Not surveyed in detail																
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T10101	Not surveyed in detail																
T10102	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
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T10167	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T10232	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
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T10297	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T10360	Not surveyed in detail																
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T10426	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T10427	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T10491	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T10555	Not surveyed in detail																
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T10617	Not surveyed in detail																
T10618	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
T10619	Not surveyed in detail																
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Groups																	
G1	Field maple, Sycamore, Grey alder, Common hazel, Common hawthorn, Common ash, Scots pine, Wild cherry, Blackthorn, Pedunculate oak, Grey willow, Rowan, Small-leaved lime, Silver lime, Guelder rose	2 to 12	1.0	75 to 610	250							Middle Age	Fair	Large screening group between road and field. Mixture of dense native planting and linear landscape planting. Some multistemmed forms. Ash dieback present in varying proportions. Some standing dead wood. Occasional failed trees. Broken branches and stubs. Unlikely for roots to extend into field		B ,2	Long
G4	Field maple, Sycamore, Common hawthorn, Pedunculate oak	2 to 17	1.0	75 to 850	40							Middle Age to Mature	Good	Group of trees within network of ponds. Unable to access. Mainly large sycamore with occasional oak and smaller hawthorn. Includes small section of outgrown hedge. Typical forms. Some stem wounds and decay		B ,1, 2, 3	Long
G8	Common alder	9 to 18	2.0	480 to 650	11							Mature	Fair	Stand of mature trees spanning the stone access track to the reserve car park. Minor deadwood and decay pockets at old branch attachment points.		A ,1, 2, 3	Long
G9	Common hazel, Common hawthorn	5 to 6	1.0	120 to 250	9							Middle Age	Fair	Short section of outgrown hedge. Individuals now with a top-heavy form dud to pruning of lower canopy to provide clearance from adjacent road. Hazel with typical multi-stemmed form.		C ,2	Long
G11	Grey willow	2 to 3.5	0.0	20 to 40	6							Young	Good	Young self-set trees, all multi-stemmed.		C ,2	Long
G12	Common hawthorn	4.5 to 6	1.0	140 to 180	3							Middle Age	Fair	Self-set roadside trees that have been sided up to provide clearance. All multi-stemmed.		C ,1	Long
G13	Common hawthorn, Pedunculate oak, Elder	2 to 4	0.5	25 to 75	50							Young	Fair	Young, scattered trees adjacent track and field edge.		C ,3	Long
G14	Downy birch, Common hawthorn, Pedunculate oak, Goat willow, Rowan	2 to 8	0.5	140 to 250	25							Young to Middle Age	Good	Densely planted ornamental trees in maintained grass verge. Mildew on oak trees.		C ,2	Long
G15	Silver birch, Common hawthorn, Copper beech, Pedunculate oak, Goat willow, Common sallow, Crack willow, Elder, Wych elm	4 to 13	0.5	25 to 450	1000							Young to Middle Age	Good	Area of mixed Young regenerative scrub and dense woodland type cover in over grown grass land. Generally good condition with potential to develop into woodland. Excellent habitat		C ,1, 3	Long
G16	Common alder, Grey alder, Silver birch, Common hawthorn, Common beech, Common ash, Scots pine, Wild cherry, Blackthorn, Pedunculate oak, Crack willow, Guelder rose	2 to 10	1.0	75 to 280	20							Young to Middle Age	Good	Dense linear group along edge of track. Occasional gaps. Some multistemmed trees. Minor broken branches with some stubs throughout. Small diameter dead wood. Dense undergrowth in places		B ,2, 3	Long
G17	Pedunculate oak	13 to 18	4.0	450 to 800	40							Mature	Good	Informal linear group of gnarly oak trees either side of access track. Minor and moderate dead wood. Occasional holes, cracks and crevices. Bee's nest in one tree.		A ,2	Long
G18	Sycamore, Silver birch	3 to 8	1.5	50 to 160	40							Young	Good	Self-set trees growing along fenceline. Majority if sycamore are multi-stemmed and entwined in chainlink fence.		C ,2	Long
G19	Sycamore	13 to 15	3.0	550 to 800	3							Middle Age to Mature	Good	Good examples of woodland fringe sycamore. All trees multi-stemmed but with attractive airy crowns.		A ,1, 2	Long

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Italicised Values: Feature value was estimated

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G21	Silver birch, Common hawthorn, Pedunculate oak	6 to 8	1.0	50 to 160	20							Young to Middle Age	Good	Self set trees now establishing. Short, round crowns with Good vigour		C ,1	Long
G22	Common alder	10 to 12	2.5	120 to 240	50							Middle Age	Fair	Linear group of tall, straight stemmed alder adjacent informal path		B ,2	Long
G23	Common alder, Silver birch, Blackthorn	5 to 8	0.5	10 to 150	100							Young to Middle Age	Fair	Occasional self set alder and birch in dense blackthorn scrub		C ,2	Long
G24	Common hazel	6 to 7	0.5	25 to 120	100							Middle Age	Good	Linear, dense Hazel regrown coppice stools along edge of ditch		C ,2	Long
G25	Sycamore, Silver birch, White willow, Grey willow, Crack willow	5 to 12	1.5	200 to 580	300							Middle Age	Good	Mixed species copse with early woodland structure development. Isolated dead birch but the majority if trees in Good condition. Trees beginning to colonise the derelict ground on the southern edge of the group.		B ,1, 2	Long
G26	Sycamore, Silver birch, Downy birch, Turkey oak, Goat willow, Grey willow	5 to 13	1.5	200 to 480	120							Middle Age	Fair	Group formed from mature birch interspersed with younger self-set trees. Firms effective screening along Manchester Ship Canal. Trees beginning to colonise derelict ground on northern edge of group.		B ,1, 2	Long
G28	Sycamore, Silver birch, Downy birch, Common hawthorn, Turkey oak, Goat willow, Grey willow	5 to 13	1.5	150 to 610	350							Mixed Age	Fair	Trees lining the sloped railway embankment. Contains some fully mature birch toward its centre. Some small areas of open canopy dominated by bramble.		B ,1, 2	Long
G30	Sycamore, Downy birch, Scots pine, Hybrid black poplar, Pedunculate oak, Goat willow, Crack willow	4 to 13	1.0	160 to 470	150							Young to Middle Age	Good	Linear planting on ground sloping down to waterbody. No visibly defective trees but located behind hedgerow.		B ,2	Long
G31	Field maple, Common hawthorn, Pedunculate oak, Goat willow, Elder, Gorse	2 to 7	0.5	75 to 260	20							Young to Middle Age	Fair	Dense scrub and small trees. Gorse dominated. Some multistemmed forms. Broken branches and stubs in trees on southern edge.		C ,2, 3	Medium
G32	Silver birch, Pedunculate oak, Goat willow	5 to 6	1.0	40 to 100	8							Young	Good	Vigorous trees growing out of defunct hedgerow.		C ,1	Long
G33	Scots pine	6 to 9	0.5	210 to 340	11							Middle Age	Good	Dispersed planting in meadow grassland. Majority of trees with good form and future potential.		B ,1	Long
G34	Goat willow, Grey willow	6 to 9	0.5	25 to 150	50							Middle Age	Fair	Several multi-stemmed trees with dense, round crowns		C ,1, 3	Long
G35	Cherry plum, Goat willow, Grey willow	6 to 8	0.5	25 to 150	50							Middle Age	Fair	Several, multi stemmed scattered trees with dense round crowns to ground		C ,1, 3	Long
G36	Silver birch, Downy birch, Turkey oak, Goat willow, Grey willow	6 to 14	2.0	150 to 460	1500							Middle Age	Good	Trees lining the sloped railway embankment. Contains a High proportion of birch. Some small areas of open canopy dominated by Himalayan balsam.		B ,1, 2	Long
G37	Common ash, Goat willow, Grey willow	5 to 7	0.5	25 to 150	25							Middle Age	Fair	Dense clump of single and multi stemmed trees with crowns to ground		C ,1	Long
G38	Common ash	7 to 7.5	1.0	50 to 220	5							Middle Age	Fair	3 ash trees all with dieback		C ,2	Medium
G39	Wild cherry	6 to 8	0.5	10 to 320	40							Young to Middle Age	Good	One main cherry tree with multiple surrounding established suckers forming small dense copse		B ,2	Long
G40	Common alder, Common hawthorn, Blackthorn, Pedunculate oak, Goat willow, Grey willow, Crack willow, Elder	6 to 13	0.5	50 to 450	5000							Mixed Age	Good	Very long, informally linear tree belt growing either side of steep sided but not very deep ditch. Excellent screening and habitat.		B ,2, 3	Long
G42	Sycamore, Downy birch, Scots pine, Hybrid black poplar, Pedunculate oak, Goat willow, Crack willow	4 to 15	1.0	160 to 460	1500							Mixed Age	Mixed	Linear planting on ground sloping down to waterbodies. Higher percentage if willow towards north-Eastern end of group. Bamboo and Himalayan balsam throughout Eastern half.		B ,2	Long
G43	Silver birch, Grey willow, Osier	4 to 12	1.5	90 to 260	60							Middle Age	Fair	Shrubby group dominated by grey willow. Himalayan balsam throughout.		C ,2	Long
G44	Common alder, Crack willow	8 to 14	1.5	140 to 510	40							Middle Age	Good	Pocket of larger willows amongst larger wetland scrub. No signs of significant structural failures.		B ,2	Long
G45	Goat willow, Grey willow	3.5 to 7	0.5	25 to 180	50							Young to Middle Age	Fair	Scattered, self set trees in either open grassland or dense nettles.		C ,2	Long
G46	Pedunculate oak, Goat willow, Elder	3.5 to 6	0.5	50 to 200	50							Young to Middle Age	Fair	Possibly former field boundary group, now outgrown. Linear, shrubby crowns to ground. Intersected by gravel track.		C ,2	Long
G47	Common hawthorn, Elder	2.5 to 6	0.5	60 to 110	12							Young to Middle Age	Fair	Scattered shrubby trees. Bramble present throughout.		C ,2	Long
G48	Goat willow	4 to 8	0.5	25 to 180	25							Young to Middle Age	Fair	Self set, single and multi stemmed trees		C ,2	Long
G49	Common alder, Silver birch, Pedunculate oak, Grey willow	4 to 12	1.5	90 to 260	150							Middle Age	Fair	Shrubby group dominated by grey willow. Himalayan balsam and bamboo throughout.		C ,2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G50	Goat willow, Grey willow, Common sallow	6 to 8	1.0	120 to 210	15							Middle Age	Fair	Self set and now established trees on sloped ground within dense vegetation		C ,1, 3	Long
G52	Silver birch, Dog rose, Goat willow	5 to 8	2.0	50 to 140	15							Young to Middle Age	Fair	Mainly goat willow with occasional birch and dog rose. Located directly north of access track with crowns to South sided up		C ,2	Long
G54	Common alder, Silver birch, Common hawthorn, Scots pine, Hybrid black poplar, Pedunculate oak, Goat willow, Grey willow	4 to 13	1.0	160 to 450	1000							Young to Middle Age	Good	Linear planting on ground sloping down to waterbody. Younger denser vegetation towards southern end.		B ,2	Long
G55	Silver birch, Common dogwood, Common hazel, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Dog rose, Goat willow, Grey willow, Common sallow, Crack willow, Wych elm	5 to 12	0.5	10 to 200	5000							Young to Middle Age	Fair	Very dense linear screening group between track and fishing pond. Single and multi stemmed trees worth crowns to ground. Generally Good vigour but with some dead Ash and elm		B ,2	Long
G56	Native black poplar	15 to 22	6.0	500 to 1000	12							Mature	Good	Possibly native Black poplar but need to check. Limited inspection due to surrounding trees and topography. Upper crowns excellent form and vigour with broad, sweeping branches and leaning stems.		A ,1, 3	Long
G57	Common alder, Silver birch, Goat willow, Grey willow, Common sallow	5 to 13	0.5	50 to 350	1000							Mixed Age	Good	Very dense area of willow and alder, almost akin to wet woodland. Impenetrable. Some reduced vigour but generally Good condition throughout		C ,2, 3	Long
G59	Common alder, Common hawthorn, Blackthorn, Pedunculate oak, Goat willow, Grey willow, Crack willow, Elder	6 to 13	0.5	50 to 450	2000							Mixed Age	Good	Very long, informally linear tree belt growing either side of steep sided but not very deep ditch. Excellent screening and habitat. Edges onto woodland and bisected by informal path from woodland		B ,2, 3	Long
G61	Common hawthorn, Pedunculate oak, Goat willow, Grey willow	3 to 7	0.5	25 to 150	50							Young to Middle Age	Fair	Single and multi stemmed self set trees in very dense vegetation		C ,2	Long
G67	Common beech	11 to 14	4.0	220 to 490	6							Middle Age	Fair	All trees with some degree of reduced vigour and die back. One tree nearly dead. Minor and moderate dead wood over road		C ,1, 2	Medium
G68	Sycamore, Common ash	8 to 11	3.0	120 to 280	150							Middle Age	Good	Linear screening belt adjacent road and field. Single and multi stemmed form closely growing. Generally Good vigour throughout with some minor ash dieback		B ,2	Long
G69	Horse chestnut, Common beech, Common ash, Common lime	14 to 18	5.0	250 to 680	40							Middle Age to Mature	Good	Linear group along road side edge comprising mainly tall beech and lime with occasional horse chestnut and ash. Generally good form and vigour with Broad, sweeping crowns forming continuous canopy cover. Some disturbed ground and small soil bunds within group.		A ,2	Long
G70	Sycamore, Common ash, Blackthorn, Pedunculate oak	8 to 11	1.0	150 to 310	35							Middle Age	Good	Avenue if trees lining the banks if drainage ditches dither side of farm access and PRoW. No individual trees of distinction but form a collective feature with closed canopy in places. Blackthorn forms understorey along northern section.		B ,2	Long
G71	Common hazel, Common hawthorn, Elder	4 to 6	1.0	50 to 200	500							Middle Age	Fair	Former hedgerow now unmanaged comprising mainly thin narrow trees underneath main canopy cover		C ,2	Long
G72	Grey willow	2 to 3	0.0	30 to 40	30							Young	Good	Dense shoot regeneration from previously cut stumps along drainage ditch.		C ,2	Long
G73	Common lime	6 to 9	0.5	10 to 290	100							Young to Middle Age	Good	Very dense suckers from adjacent tree now establishing trees. Dense crowns to ground		C ,2	Long
G74	Sycamore, Common hawthorn, Common beech, Common lime	6 to 14	5.0	75 to 500	150							Middle Age	Good	Screening belt along access track. Dense row of trees with hawthorn understorey. Hedged canopy to West adjacent track. Good vigour throughout		B ,2	Long
G75	Common hawthorn, Wild cherry, Pedunculate oak, Grey willow	2 to 5	0.0	40 to 110	25							Young	Fair	Shrubby understorey to larger oak trees. Hedged in places but outgrowing and contains multiple small gaps.		C ,2	Long
G76	Sycamore, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Goat willow	6 to 9	0.5	50 to 250	250							Middle Age	Fair	Field boundary trees forming dense belt. Very overgrown field to East limiting inspection.		C ,2	Long
G77	Pedunculate oak	10 to 13	1.0	200 to 500	15							Middle Age	Good	Dense row of oak forming one continuous canopy. Very dense overgrown field to East limiting inspection		B ,2	Long
G78	Sycamore, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Goat willow, Wych elm	4 to 10	0.5	50 to 250	1000							Middle Age	Fair	Field boundary trees forming dense belt. Very overgrown field to East limiting inspection. Some standing dead elm		C ,2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G80	Sycamore, Silver birch, Common hawthorn, Goat willow	4 to 8	0.0	25 to 300	2000							Middle Age	Fair	Large area of mainly goat willow impenetrable but established scrub growth. Dense canopy cover to ground.		C ,2, 3	Long
G82	Sycamore	8 to 12	1.0	180 to 250	50							Middle Age	Fair	Small copse of self set but established trees in very overgrown field		B ,2	Long
G83	Sycamore	12 to 15	1.5	150 to 450	10							Middle Age	Good	Multi stemmed sycamore on top of bank edge. Good form and vigour		B ,2	Long
G84	Common hawthorn	4 to 5	0.5	10 to 100	100							Middle Age	Fair	Scrubby, out grown hedgerow patches along field boundary in dense bramble		C ,2	Long
G85	Common hawthorn, Common ash, Grey willow	4 to 11	0.0	110 to 320	25							Middle Age	Mixed	Shrubby structure planting on bank of motorway bridge. Ash are infected with Chalara ash dieback disease, most are generally healthy but one is in decline.		C ,1, 2	Long
G88	Sycamore, Common alder, Common hawthorn, Common ash, Hybrid black poplar, Grey poplar, Pedunculate oak, Goat willow, Elder	3 to 18	1.0	80 to 580	120							Middle Age	Mixed	Large linear group between road and industrial area. Numerous standing dead trees. Ash dieback variably present. Signs of management with pruning wounds and stubs. Occasional multi-stemmed forms. Variable condition but forms told screen and connectivity to small woodland at eastern end.	Carry out routine Visual Tree Assessments of all ash to determine presence of Chalara ash dieback disease and any ongoing management requirements.	B ,2	Long
G89	Sycamore, Common hawthorn, Common ash, Common apple, Wild cherry, Pedunculate oak, Elder	3 to 8	1.5	75 to 480	30							Middle Age	Good	Section of screening between road and fields. Mostly native species. Well established. Some broken branches and stubs. Deep ditch within.		B ,2	Long
G93	Common hawthorn, Elder	2.5 to 5	0.5	75 to 280	100							Middle Age	Fair	Outgrown hedgerow between fields. Typical forms. Some multistemmed. Dead wood throughout		C ,2	Long
G94	Common hawthorn, Goat willow, Grey willow, Osier, Elder	3 to 5	0.0	75 to 200	25							Young to Middle Age	Good	Small trees growing in dense scrub. Multistemmed forms. Unable to access		C ,2	Long
G95	Common hawthorn	3 to 4	0.5	75 to 220	10							Middle Age	Good	Small group of hawthorns. Possible old hedgerow. Some multi-stemmed forms. Congested crowns. Some dead wood.		B ,1, 2, 3	Long
G96	Common alder, Common hawthorn	3.5 to 8	1.0	80 to 390	25							Middle Age	Good	Linear group along watercourse. Multi-stemmed forms. Wet ground to east. Some small broken branches and stubs. Hawthorns dense and congested.		B ,2, 3	Long
G97	Common hazel, Common hawthorn, Blackthorn, Elder	1.5 to 5	0.0	50 to 300	30							Middle Age	Fair	Outgrown section of hedgerow. Multi-stemmed hazel. Ditch within. Numerous dead and broken branches.		C ,2, 3	Long
G98	Common hawthorn, Pedunculate oak	3 to 5	1.0	50 to 250	25							Middle Age	Fair	Small trees on railway embankment. Some multi-stemmed hawthorns. Larger oaks.		C ,2	Long
G100	Field maple, Common hawthorn, Common ash, Pedunculate oak	4 to 10	1.0	75 to 350	200							Middle Age	Fair	Collective of trees along edge of poplar plantation. Outside survey boundary. Native species. Ash dieback variable with some fully dead trees and others minimally affected.		B ,2, 3	Long
G116	Sycamore, Pedunculate oak	8 to 10	3.0	250 to 300	12							Middle Age	Good	Successional roadside trees; healthy.		C ,1, 2	Long
G126	Downy birch, Common hawthorn, Common beech, Scots pine, Elder	3 to 10	1.0	120 to 440	75							Middle Age	Fair	Mixed planting along carriageway embankment. Isolated branch failures on Scots pine. Southern edge formed from outgrown hawthorn hedge.		C ,2	Long
G127	Sycamore, Downy birch, Scots pine, Pedunculate oak, Elder	7 to 12	2.0	150 to 420	500							Middle Age	Good	Mixed species group growing on embankment rising up from pastoral field. Majority of trees appear to be in good health.		B ,2	Long
G128	Scots pine	8 to 11	2.0	210 to 380	25							Middle Age	Good	Roadside plantation on sloped ground. Generally good form and vigour throughout		B ,2	Long
G131	Silver birch, Common hazel, Common hawthorn, Common ash, English holly, Corsican pine, Aspen, Osier	1.5 to 6	0.5	50 to 150	350							Young	Good	Mixed planting forming part of for er quarry restoration. Majority if trees establishing well. Ash towards Northern end displaying symptoms of Chalara ash dieback disease.		C ,2	Long
G132	Pedunculate oak	12 to 16	2.0	240 to 600	30							Middle Age to Mature	Good	Row of trees on top of sloped canal bank. Ivy clad but generally Good form and vigour. Forms enclosed green corridor over canal with trees to north		B ,1, 2	Long
G133	Common alder, Silver birch, Common hazel, Common hawthorn, Common ash, Corsican pine, Aspen, Pedunculate oak, Osier	3 to 8	0.5	80 to 200	100							Young	Good	Mixed planting forming part of former quarry restoration. Now forming a dense vegetation belt.		C ,2	Long
G134	Sycamore, Common hazel, Common ash, English holly, Pin oak, Pedunculate oak	3 to 19	2.0	75 to 950	100							Middle Age to Mature	Good	Linear group along edge of field and canal. Ivy clad stems. Trees growing on undulating ground. Holly understorey in places. Occasional branch failures as expected in type of habitat. More larger trees towards eastern end of group. Good screen and landscape feature.		A ,1, 2	Long

ANNEX 8C3: Arboricultural Survey Data Sheets

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G138	Sycamore, Silver birch, Common hazel, Common hawthorn, Common ash, Cherry plum, Pedunculate oak	9 to 15	1.0	100 to 550	1000							Middle Age	Good	Shelterbelt deciduous plantation. Generally Good form and vigour and excellent screening		B ,2	Long
G139	Sycamore, Common ash, Pedunculate oak, Goat willow	8 to 13	1.0	150 to 450	40							Middle Age	Good	Informal linear group along sloped ground. Connects to woodland to South but doesn't form woodland cover itself. Good habitat. Good screening for properties to north		B ,2	Long
G141	Common alder, Blackthorn, Goat willow	2 to 4	0.0	10 to 50	50							Young	Fair	Self set, dense scrub vegetation. Homogeneous.		C ,3	Long
G144	English holly	4 to 4	0.0	50 to 100	10							Middle Age	Good	Small group of Holly on field boundary at edge of garden. Flailed lower canopies.		C ,2	Long
G147	Field maple, Dogwood species, Common beech, Common ash, European larch, Scots pine, Wild cherry, Pedunculate oak, Crack willow	3 to 7	0.0	75 to 400	40							Middle Age	Fair	Southern edge of wider group of trees. Largely mixed broadleaved with occasional coniferous trees. Some larger basally multi-stemmed willow trees towards eastern end of group that have been heavily pruned and flailed with subsequent regrowth.		B ,2	Medium
G148	Pedunculate oak	6 to 12	1.0	260 to 640	35							Middle Age	Good	Linear belt growing on railway embankment. Contains some trees of good individual merit. Majority of trees with stem lean and crown bias south.		B ,1, 2	Long
G149	Silver birch, Common ash, Pedunculate oak, Elder	5 to 12	1.0	180 to 640	45							Young to Middle Age	Good	Linear belt growing on railway embankment. Contains some oak and birch trees of good individual merit.		B ,1, 2	Long
G150	Common hawthorn, Grey willow, Wych elm	3 to 6	0.5	90 to 130	20							Young to Middle Age	Fair	Shrubby trees lining field boundary.		C ,2	Long
G151	Field maple, Common hazel, Common hawthorn	5 to 7	3.0	90 to 160	35							Middle Age	Good	Section of outgrown hedge forming entrance landscaping to farm machinery depot.		C ,2	Long
G152	Common lime	8 to 10	0.0	430 to 550	6							Middle Age	Fair	6 lime trees in field boundary hedge adjacent to road. Dense basal suckers and epicormic growth flailed as part of hedge. Typical upright and untidy forms. Occasional moderate deadwood and limb failures.		B ,1, 2	Medium
G153	Norway maple, Downy birch, Common beech, Common ash, Pedunculate oak	5 to 10	2.0	200 to 300	27							Middle Age	Good	Single row of planted trees along machinery depot boundary. Majority of trees with Good form and potential.		B ,1, 2	Long
G154	Pedunculate oak	14 to 18	5.0	620 to 780	4							Mature	Good	4 large mature oak adjacent field boundary. Broad gnarly crowns and ivy clad stems.		A ,2	Long
G155	Common hawthorn, Common ash, English holly, Goat willow, Yew	4 to 8	0.5	50 to 250	250							Middle Age	Fair	Understorey group of mainly shrubby trees forming edge along field boundary.		C ,2	Long
G157	Field maple, Silver birch, Common hazel, Common hawthorn, Common ash, Scots pine, Wild cherry, Blackthorn	4 to 9	0.5	120 to 280	200							Middle Age	Good	Dense planting forming an effective screen along A49.Ash displaying symptoms of Chalara ash dieback disease.		B ,2	Long
G158	Common lime	11 to 13	0.0	500 to 600	6							Middle Age	Fair	3 lime trees within field boundary hedge adjacent to road. Dense basal suckers and epicormic growth flailed as part of hedge. Typical upright and untidy forms. Occasional moderate deadwood and limb failures, some of which is overhanging road in central tree.	Remove deadwood 50mm diameter and above overhanging road.	B ,1, 2	Medium
G159	Norway maple, Downy birch, Copper beech, Rowan	5 to 9	2.0	160 to 340	10							Middle Age	Mixed	Ornamental planting along farm machinery depot access road. Majority of trees with Good future potential.		B ,1	Long
G160	Field maple, Common hazel, Common hawthorn, Common ash, Scots pine, Wild cherry, Blackthorn	4 to 10	0.5	120 to 240	200							Middle Age	Good	Dense planting forming an effective screen along A49. Ash displaying symptoms of Chalara ash dieback disease.		B ,2	Long
G161	Pedunculate oak	9 to 17	3.0	370 to 790	27							Middle Age to Mature	Mixed	Group of 27 oak trees on field boundary. Open understorey. Largely in Good or fair condition, 1 tree has had top fail and tear out leaving a narrow pole with small amount of live foliage. Moderate deadwood. Some leaving stems and tall narrow forms of middle age oaks. Significant landscape feature.		A ,2	Long
G162	Sycamore, Common hawthorn, Common ash, Pedunculate oak, Crack willow	5 to 12	1.0	50 to 400	250							Middle Age	Good	Informal linear group of trees along brook edges. Single and multi-stems with some shrubby forms.		B ,3	Long
G166	Pedunculate oak	8 to 12	3.0	230 to 370	8							Middle Age	Good	Single and multi-stemmed hedgerow trees. Naturally hedged over road otherwise good form and vigour.		B ,2	Long
G167	Common hawthorn, Pedunculate oak, Goat willow	4 to 9	1.0	50 to 350	15							Young to Middle Age	Fair	Mainly scrubby hawthorn and willow around small pond with occasional oak. Gnarly forms.		C ,2, 3	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G168	Common hawthorn, Common ash, Blackthorn	2.5 to 5	0.5	100 to 170	8							Mixed Age	Fair	Likely a former hedge but now a row of shrubby trees, several being smothered by ivy. Blackthorn thicket developing on western side.		C ,2	Medium
G169	Common hawthorn, Blackthorn, Elder	3 to 6	0.0	75 to 220	300							Mixed Age	Good	Shrubby thicket. Access and visibility to trees on immediate river bank prevented.		C ,2	Long
G170	Sycamore, Pedunculate oak	8 to 11	4.0	380 to 920	9							Middle Age to Mature	Fair	A row of maturing trees amongst a fragmented hedgerow. Majority if trees have loser branch damage from flailing. Minor decay pockets and structural defects commensurate with age.		B ,1, 2	Long
G171	Field maple, Silver birch, Common hazel, Common hawthorn, Common ash, Blackthorn, Pedunculate oak	4 to 10	0.5	120 to 260	200							Middle Age	Good	Part of a much longer belt of dense planting forming an effective screen along A49. Ash appear healthy. Lower canopies managed by flailing on western side.		B ,2	Long
G172	Sycamore, Common hazel, Common hawthorn, Blackthorn, Crack willow	3 to 8	0.0	110 to 280	20							Mixed Age	Fair	Shrubby trees forming a dense thicket in places. Dieback in single sycamore at Southern end of group.		C ,2	Long
G173	Sycamore, Common alder, Common hazel, Common hawthorn, Common ash, Pedunculate oak, Elder	3 to 15	2.0	160 to 600	150							Mixed Age	Good	Linear belt growing on banked field boundary. Some trees of Good individual merit. Woodland-esk character in northern half.		B ,1, 2	Long
G174	Common alder	12 to 14	2.0	340 to 390	3							Middle Age	Fair	Upright form for species with very straight stems. All three trees topped at 10m due to oversailing HV overhead lines.		C ,1	Short
G175	Sycamore, Common alder, Common hazel, Common hawthorn, Common ash, Pedunculate oak, Crack willow, Elder	3 to 14	2.0	160 to 550	75							Mixed Age	Good	Linear belt growing along Grange Brook. Some trees of Good individual merit.		B ,1, 2	Long
G176	Sycamore, Common hazel, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Elder	3 to 11	0.0	100 to 300	1000							Middle Age	Mixed	Dense shelterbelt planting along pine plantation in South turning to wider broadleaved woodland in north. Predominantly dense and impenetrable. Drainage ditch runs along eastern edge. Ash in varying degrees of decline due to Chalara ash dieback disease. Contains some better quality oak trees in South.		B ,2	Long
G177	Pedunculate oak	10 to 16	3.0	490 to 670	5							Middle Age to Mature	Good	A row of older trees on edge of plantation shelterbelt. Slight canopy bias East on all trees.		A ,1, 2	Long
G178	Sycamore, Pedunculate oak	12 to 16	2.0	500 to 720	7							Middle Age to Mature	Good	A row of hedgerow trees, all of which display Good form. Minor deadwood and defects commensurate with age. Possible Turkey Oak Cross in some oaks.		A ,1, 2	Long
G179	European larch, Scots pine	6 to 12	1.0	120 to 250	1000							Middle Age	Good	Softwood plantation. Life expectancy influenced by likely harvest age. Access restricted by density of trees and surrounding vegetation.		C ,2	Medium
G180	Silver birch, Common hazel, Corsican pine, Pedunculate oak, Grey willow	5 to 10	0.5	100 to 250	45							Young to Middle Age	Good	Shrubby group, particularly towards northern end. Bramble and nettle throughout.		C ,2	Long
G181	Field maple, Common dogwood, Cultivated currant, Elder	2 to 8	0.0	50 to 240	60							Mixed Age	Fair	Eastern half of the group is lower growing shrubs beneath powerlines turning to dense trees in the west dominated by ash. Chalara ash dieback symptoms visible.		C ,2	Long
G182	Common alder, Dogwood species, Goat willow	2 to 5	0.0	60 to 150	10							Middle Age	Good	Small clusters of trees adjacent to pond. Multi-stemmed forms.		C ,2	Long
G183	Common Laburnum, Wild cherry, Pedunculate oak	5 to 7	0.0	75 to 200	40							Middle Age	Fair	Northern side of wider tree group. Canopies overhang pavement. Inspection restricted by lack of access and fence. Largely cherry. Closely spaced. Located on slope. Fly tipping and litter in group.		B ,2	Long
G184	Silver birch, Butterfly bush species, Dogwood species, White poplar, Goat willow	3 to 7	0.0	60 to 280	40							Middle Age	Fair	North-eastern side of wider tree group that comprises largely of self-set trees and regen. Canopies overhang pavement. Inspection restricted by lack of access and fence. Largely poplar and birch. Closely spaced. Located within brownfield site. Fly tipping and litter in group.		C ,2	Long
G185	Sycamore, Silver birch, Dogwood species, Common hawthorn, Wild cherry, Goat willow, Wych elm	2 to 7	0.0	50 to 150	100							Young to Middle Age	Fair	Dense linear group of self-set trees and regen on West Side of path. Multi-stemmed forms. Parts of group overgrown by bramble. Screening value.		C ,2	Medium
G186	Sycamore, Silver birch, Wild cherry, Goat willow	4 to 12	1.0	150 to 450	20							Middle Age	Fair	2 clusters of trees within brownfield site, with largest compartment located adjacent to path. Multi-stemmed forms with some tight and included unions, typical of willow species. Inspection restricted by access.	Bat tree 53 - Willow	B ,2	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G188	Common hawthorn, Goat willow	4 to 6	1.0	80 to 220	500							Middle Age	Good	Two linear rows of former hedgerow, now outgrown, either side of footpath. Good screening and habitat.		B ,2	Long
G189	Common hawthorn, Elder	3 to 5	0.5	10 to 100	40							Young to Middle Age	Fair	Self-set scrubby trees in overgrown vegetation.		C ,1, 3	Medium
G190	Silver birch, Apple species, Wild cherry, Goat willow	2 to 5	0.0	50 to 150	50							Middle Age	Fair	Sporadic clusters of trees adjacent to path and within brownfield site. Inspection restricted by lack of access. Multi-stemmed forms.		C ,2	Medium
G191	Silver birch, Dogwood species, Wild cherry, Goat willow, Whitebeam, Wych elm	2 to 5	0.0	50 to 140	25							Middle Age	Fair	Sporadic clusters of trees adjacent to East Side of path and within brownfield site. Inspection restricted by lack of access. Multi-stemmed forms.		C ,2	Medium
G193	Common hawthorn, Goat willow	4 to 8	0.5	50 to 250	500							Middle Age	Fair	Dense copse of mainly hawthorn with some goat willow. In area of very dense, tall vegetation. Single and multi-stemmed trees tightly packed.		C ,1, 2, 3	Long
G194	Sycamore, Silver birch, Butterfly bush species, Dogwood species, Common hawthorn, Goat willow, Wych elm	2 to 5	0.0	50 to 130	50							Middle Age	Fair	Sporadic clusters of trees adjacent to west side of path and within industrial site land. Inspection restricted by lack of access. Multi-stemmed forms.		C ,2	Medium
G195	Common hawthorn	4 to 5	0.5	90 to 160	15							Middle Age	Fair	Two parts of former hedgerow long since gone. Hedged to sides adjacent track.		C ,2	Long
G198	Aspen	12 to 13	2.0	180 to 320	3							Middle Age	Fair	Cluster of 3 aspen trees on West Side of desire line immediately adjacent to substation boundary fence. Poorly pruned lower limbs substation side with remnant stubs and tearing wounds. Some previous limb failures evident.		B ,2	Medium
G199	Dogwood species, Aspen, Goat willow	2 to 7	0.0	40 to 250	30							Young to Middle Age	Fair	Sporadic self-set trees and clusters on hill around substation and adjacent to desire line.		C ,2	Medium
G200	Scots pine	9 to 11	0.5	160 to 270	5							Middle Age	Good	Cluster of pine trees on hill adjacent to poplar group and close to substation. Desire line runs past group on West Side. 3 trees grown close together with canopies merging. 1 tree in trio cluster is Bifurcate at c. 1.7m but this is included and fusing. Minor shade deadwood.		B ,1, 2	Long
G201	Hybrid black poplar	10 to 17	1.5	100 to 360	150							Middle Age	Fair	Plantation of hybrid black poplar on edge of wider woodland. Located on plateau with desire line to west and path to west at bottom of slope. Tall and spindly forms due to close proximity and spacing. Little understorey in group.		C ,2	Medium
G202	Common hawthorn	3.5 to 4.5	0.5	25 to 90	5							Middle Age	Poor	Two multi-stemmed trees, one nearly dead.		C ,3	Medium
G203	Cultivated currant, Goat willow, Damson	2 to 4.5	0.0	20 to 80	30							Young to Middle Age	Good	A dense thicket surrounded by unmanaged grassland.		C ,2	Long
G204	Common hawthorn	5 to 6.5	0.5	50 to 150	50							Middle Age	Good	Multi-stemmed trees along field boundary edge once part of a now long since defunct boundary hedgerow.		C ,1, 2	Long
G205	Field maple, Common dogwood, Common hazel, Common ash, English holly, Hybrid black poplar, Wild cherry, Pedunculate oak	5 to 20	1.0	150 to 750	150							Mixed Age	Mixed	Part of a longer shelterbelt formed from a spine of hybrid poplar surrounded by younger mixed species planting. Stem and branch failures present on several poplar. Early woodland characteristics.		B ,2	Long
G206	Grey willow	4 to 5	0.0	10 to 100	150							Young to Middle Age	Fair	Dense thicket of multi-stemmed shrubby trees.		C ,1	Long
G207	Silver birch, Goat willow	6 to 11	1.0	75 to 350	500							Middle Age	Good	Sense linear group of single and multi-stemmed trees with contiguous canopy along boundary edge. Generally good form and vigour.		B ,1, 2	Long
G208	Sycamore, Silver birch, Common hawthorn, Goat willow, Grey willow	5 to 12	1.0	50 to 350	10000							Young to Middle Age	Fair	Dense informal rows of trees either side of track. Greater collective quality than individually. Good screening and habitat connectivity.		B ,2	Long
G209	Sycamore, Silver birch, Common hazel, Common hawthorn, Apple species, Goat willow, Whitebeam	3 to 6	0.0	50 to 120	30							Young to Middle Age	Fair	Scattered trees along desire lines and paths and adjacent to boundary fence.		C ,2	Medium
G210	Field maple, Sycamore, Silver birch, Common hawthorn, Leyland cypress, Black locust, Goat willow, Grey willow	6 to 15	1.0	100 to 400	800							Middle Age	Fair	Dense informal rows of trees either side of track. Greater collective quality than individually. Good screening and habitat connectivity.		B ,2	Long
G211	Silver birch, Goat willow	6 to 12	1.0	50 to 300	1000							Middle Age	Good	Dense linear group of trees formerly adjacent to old railway track now adding to younger woodland scrub. Generally good form and vigour. Single and multi-stemmed trees.		B ,1, 2	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G212	Silver birch, Common hazel, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Elder, Rowan, English elm	2 to 11	0.0	50 to 300	500							Middle Age	Mixed	Dense thicket of trees forming part of 'Wasteland to Woodland' wood. Largely dense understorey trees with some larger oak trees. Occasional Ash with dieback. Some fly tipping in parts of group next to road. Dense patches of bramble in places. Trees adjacent to road and pavement flailed. Good habitat and landscape value with potential to become woodland in future.		B ,2, 3	Long
G213	Pedunculate oak	7 to 8	2.0	260 to 300	3							Middle Age	Good	There trees growing in South Side of Brook Bank firming a single sinuous crown. Central tree in dominant individual and gas Good future potential.		C ,2	Long
G214	Common dogwood, Common hazel, Common hawthorn, Blackthorn, Goat willow	2 to 3	0.0	40 to 100	50							Middle Age	Fair	Linear group of trees that appear to be in part a lapsed hedgerow.		C ,2	Medium
G215	Common hazel, Common hawthorn, Pedunculate oak	2 to 4	0.0	40 to 110	50							Young to Middle Age	Fair	Sporadic shrubs growing on southern side of Brook Bank. Flail pruned on sides.		C ,2	Long
G216	Sycamore, Common hazel, Common hawthorn, Blackthorn, Goat willow, Elder, Swedish whitebeam	3 to 5	0.0	50 to 150	40							Middle Age	Good	Roadside group of trees that have been flailed.		C ,2	Medium
G217	Common ash, Wild cherry, Pedunculate oak	6 to 9	2.0	200 to 430	12							Middle Age	Fair	Row if trees growing in southern bank of Brook (with the exception if one Ash and one oak at Eastern end). Lower branches have been removed over fields and regrowth managed by flailing. Occasional hawthorn understory.		B ,1, 2	Long
G218	Dogwood species, Common hazel, Crack willow	2 to 4	0.0	50 to 110	40							Middle Age	Good	Dense group of shrubby trees.		C ,2	Medium
G219	Common alder, Dogwood species, Common hazel, Common hawthorn, Apple species, Goat willow	3 to 6	0.0	50 to 130	40							Young to Middle Age	Good	Scattered trees and clusters in dense bramble area between road and woodland. Japanese knotweed in bramble area.		C ,2	Medium
G220	Field maple, Sycamore, Dogwood species, Common hazel, Common hawthorn, Goat willow, Wych elm	3 to 6	0.0	50 to 180	25							Middle Age	Good	Scattered trees and clusters on steep easterly slope. Mostly adjacent to boundary fence. Multi-stemmed forms with some tight unions.		C ,2	Medium
G221	Silver birch, Common hawthorn, Leyland cypress, European larch, Wild cherry, Cherry plum	3 to 7	0.0	50 to 150	25							Middle Age	Good	Cluster of trees adjacent to road. Dense and closely spaced. Inspection restricted by access and visibility into group.		C ,2	Medium
G222	Common hawthorn, Pedunculate oak, Grey willow, Elder	2.5 to 4.5	0.0	30 to 170	10							Young to Middle Age	Good	Dense thicket with understory if bramble. Western end underneath HV overhead lines.		C ,2	Long
G223	Pedunculate oak	7 to 9	2.0	240 to 480	35							Middle Age	Good	Linear belt along field boundary. Contains several trees of good individual merit and potential. Those at northern end have been topped beneath HV overhead lines.		B ,1, 2	Long
G224	Aspen, Wild cherry, Grey willow	3 to 7	0.5	80 to 200	30							Young to Middle Age	Good	Well suited to location around dry pond but all relatively young trees.		C ,2	Long
G226	Aspen, Pedunculate oak, Grey willow	2 to 3	0.0	30 to 50	40							Young	Fair	Very dense belt if aspen stems with the occasional oak and willow. Topped at 2m and likely to be managed as a hedge in the future.		C ,2	Long
G227	Hawthorn species, Crab apple	3 to 4	2.0	75 to 140	8							Young to Middle Age	Good	8 small planted trees at edge of grass POS on plateau at bottom of small slope. Some still staked and tied.		C ,1	Medium
G229	Pedunculate oak	6 to 7	1.0	180 to 230	3							Middle Age	Fair	Trees growing on South Side of field boundary ditch. Flail damage to lower branches. Ploughing to within 1m on south side.		C ,2	Long
G230	Common ash, Pedunculate oak	7 to 12	12.0	220 to 480	12							Middle Age	Fair	Trees growing predominantly on West side of field boundary ditch. Flail damage to lower branches. Ploughing to within 1m on west side. Trees towards centre of group have been topped underneath HV overhead lines.		B ,2	Long
G231	Sycamore	8 to 11	0.0	300 to 350	2							Middle Age	Fair	2 trees growing on bank of ground hollow. Upper canopies are a little sparse with some associated deadwood. Flailed lower limbs and previous limb failures. Low lying canopies.		C ,2	Short
G232	Crack willow	3 to 6	0.0	75 to 200	6							Middle Age	Fair	Cluster of trees growing around banks of ground hollow. Multi-stemmed forms. Some branch and stem failures evident.		C ,2	Medium
G233	Goat willow	7 to 8	0.0	500 to 550	2							Middle Age	Fair	2 basally multi-stemmed willow trees within roadside group. Tight and included steel and branch unions. Pruned limbs road and fieldside with remnant stubs evident. Canopies merging. Some previous limb failures.		B ,2	Medium

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G234	Sycamore, Silver birch, Downy birch, Dogwood species, Common hawthorn, Common ash, Pedunculate oak, Dog rose, White willow	2 to 7	0.0	75 to 340	100							Middle Age	Good	Reasonably dense linear group of roadside trees. Located on very slight slope. Parts of understorey overgrown by bramble and dog rose. Landscape feature.		B ,2	Long
G235	Sycamore, Horse chestnut, Goat willow	5 to 14	0.0	75 to 550	12							Middle Age	Fair	Cluster of trees close to field edge comprising 4 larger trees and several smaller ones in the understorey. Growing within and on banks of shallow ground hollow. Parts of group overgrown by bramble. Flailed lower limbs of trees around edges. Previously failed limbs.		B ,2	Long
G236	Sycamore, Horse chestnut, Common hawthorn, Common ash	3 to 6	0.0	50 to 200	30							Middle Age	Mixed	Scattered trees and clusters adjacent to road. Some small dead Ash stems, but Ash otherwise appears relatively healthy.		C ,2	Short
G237	Sycamore, Common alder, Silver birch, Dogwood species, Common hawthorn, Common ash, Pedunculate oak, Dog rose, White willow, Garden privet	3 to 8	0.0	75 to 350	100							Middle Age	Good	Reasonably dense linear group of roadside trees. Located on very slight slope. Parts of understorey overgrown by bramble and dog rose. Some willow stems collapsing into group, typical of species. Landscape feature with screening value.	Bat tree 190	B ,2	Long
G238	Sycamore, Pedunculate oak, Elder	3 to 4	0.0	75 to 100	4							Young to Middle Age	Good	4 small trees on roadside verge.		C ,1	Medium
G241	Horse chestnut, Common hawthorn, Common ash, English holly	3 to 5	0.0	50 to 130	15							Middle Age	Fair	Scattered trees forming understorey to larger trees. Adjacent to deep ditch.		C ,1	Short
G242	Blackthorn, Pedunculate oak, Goat willow, Crack willow	3 to 6	0.0	50 to 180	30							Middle Age	Good	Trees on field boundary on either side of deep ditch.		C ,2	Medium
G244	Common alder, Crack willow	11 to 13	1.0	150 to 350	30							Middle Age	Mixed	Cluster of larger alder and crack willow trees at edge of wider boundary tree group. Mixture of single and multi-stemmed forms, some multi-stems with tight and included unions. Long and stem failures in willow, typical of species. Trees in group generally larger than those in the surrounding stand of willow.		B ,2	Medium
G245	Sycamore, Leyland cypress	14 to 18	2.0	150 to 430	23							Middle Age	Good	Linear boundary group of almost entirely cypress within third party land adjacent to fence. 2 small sycamore at Eastern end of group. Tall narrow forms that are collectively meeting to form a screen. Some thought and included stem and branch unions, typical of species.		B ,2	Long
G246	Sycamore, Common alder, Common hazel, Common hawthorn, Common ash, Pedunculate oak, Elder	4 to 9	0.0	75 to 550	300							Middle Age	Mixed	Linear boundary group of trees located on either side of ditch within field. Largely sycamore in Eastern half of group but becomes more mixed and dense in western half. Some failed branches and trees in fair condition, but largely in good condition. Very western end of group immediately adjacent to pond. Significant landscape feature with screening value.		B ,2	Long
G247	Sycamore, Common alder, Common hawthorn, Poplar species, Pedunculate oak	3 to 10	0.0	75 to 400	25							Middle Age	Mixed	Cluster of trees surrounding pond. Some streams heavily ivy clad. Occasional moribund tree but otherwise group largely in fair condition. Previous stem and branch failures evident. Collectively forms a landscape feature with adjacent linear group.		B ,2	Medium
G248	Sycamore	6 to 8	0.0	150 to 350	3							Middle Age	Good	3 trees within field boundary hedge. Lower branches flailed as part of hedge. Inspection restricted by hedge. 1 tree basally multi-stemmed.		B ,2	Long
G249	Sycamore, Dogwood species, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Goat willow	3 to 12	0.0	75 to 350	500							Middle Age	Good	Dense linear group of roadside trees. Parts of understorey overgrown by bramble and dog rose. Some willow stems collapsing into group, typical of species. Landscape feature with screening value.		B ,2	Long
G250	Goat willow	2 to 2	0.0	130 to 200	5							Middle Age	Fair	5 willow trees growing on either side of ditch on banks. All trees have been typed and reduced in height down to 2m with canopies comprising small regrowth only.		C ,3	Short
G251	Sycamore, Common hawthorn, Pedunculate oak, English elm	4 to 7	1.5	60 to 450	10							Middle Age	Fair	Small linear group of trees located on field boundary adjacent to road on roadside bank. Heavily ivy clad stems restricting inspection. Telegraph pole immediately adjacent to base of 1 oak tree with wires running through canopies.		B ,2	Medium
G252	Goat willow	3 to 5	0.0	75 to 300	30							Middle Age	Good	Dense cluster of goat willow on adjacent land. Group appears to be on banks of ground hollow. Multi-stemmed forms. Inspection restricted by access.		C ,2	Long
G253	English holly, Blackthorn	2 to 6	0.5	75 to 180	12							Middle Age	Fair	Outgrown hedgerow fragment on edge of ditch. Multi-stemmed forms.		C ,2	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G254	Common ash	8 to 10	3.0	290 to 310	3							Middle Age	Fair	Cluster of ash outgrown from hedgerow. Ditch to north. Multi-stemmed forms. Dense ivy on main stems. Chalara ash dieback is minimal.		C ,2	Medium
G255	Pedunculate oak	8 to 10	1.5	220 to 290	7							Middle Age	Fair	Boundary trees on field boundary. Ditch to north. Some multistemmed forms. Crown raised over road and field. Dense ivy on main stems. Minor dead wood in crowns. Some pruning wounds and stubs.		B ,2	Long
G256	Common alder, Common hazel, Pedunculate oak	5 to 11	1.0	120 to 390	6							Middle Age	Fair	Boundary group next to ditch. Some multi-stemmed forms. Large oak with twisted form and fusing stems.		B ,2	Long
G257	Common alder, Goat willow	3 to 7	1.0	100 to 300	10							Middle Age	Fair	Dense group of multistemmed willow and alder. Ditch to north. Numerous failed branches with vigorous regrowth. Broken branches and stubs.		C ,2	Long
G258	Common hawthorn, Elder	2.5 to 5	0.5	50 to 120	20							Middle Age	Good	Outgrown hedgerow remnant. Multi-stemmed forms. Dense crowns. Signs of historic pruning		C ,2	Long
G259	Field maple, Norway maple, Sycamore, Common alder, Silver birch, Common hazel, Common hawthorn, Blackthorn, Goat willow	2.5 to 9	0.5	50 to 350	50							Middle Age	Good	Dense group of trees screening utility facility. Dense hedgerow forms along edges. Some multi-stemmed forms. Some deadwood.		B ,2	Long
G260	Sycamore, Common alder, Silver birch, Blackthorn, Pedunculate oak, Goat willow, Grey willow, Elder	2.5 to 10	0.5	50 to 330	40							Middle Age	Good	Screening group between field and track. Some multi-stemmed forms. Dense undergrowth in places. Good vigour.		C ,2	Long
G261	Common hazel, Common hawthorn, Elder	2.5 to 4	0.5	75 to 130	20							Middle Age	Fair	Scattered field boundary trees along ditch. Multi-stemmed forms. Dense crowns.		C ,2	Long
G262	Common ash, Pedunculate oak, White willow, Goat willow, Elder	3 to 15	0.5	90 to 650	30							Middle Age	Fair	Dense group of trees around ditch network. Some larger oaks and ash. Multi-stemmed willows. Numerous broken branches and stubs. Some failed trees. Cavity present in large oak.		B ,2	Long
G263	Crack willow	5 to 12	0.5	190 to 280	8							Middle Age	Fair	Large multi-stemmed trees next to river. Failed stems with vigorous regrowth. Broken branches and stubs. Deadwood throughout.		C ,2	Medium
G264	Sycamore, Crack willow, Osier	2 to 7	0.5	75 to 240	15							Middle Age	Fair	Multi-stemmed willows next to river. Small individual sycamore at southern end. Failed stems. Broken branches and stubs. Good vigour.		C ,2	Long
G265	Sycamore, Common hazel, Common hawthorn, Common ash, Pedunculate oak, Goat willow, Elder	4 to 17	1.0	75 to 600	100							Middle Age	Fair	Linear group along bridleway. Growing on either side of track with canopy meeting in the middle. Some multi-stemmed forms. Occasional dead ash at Eastern end. Good landscape and connectivity feature.		B ,2, 3	Long
G266	Common hazel, Common hawthorn, Elder	2.5 to 5	0.0	60 to 120	20							Middle Age	Fair	Clusters of outgrown hedgerow remnants on field boundary. Multi-stemmed forms with dense canopies.		C ,2	Long
G267	Common alder	7 to 9	1.5	300 to 480	5							Middle Age	Fair	Cluster of alders forming single canopy. Multi-stemmed forms. Ivy on main stems. Overhangs road to north. Some minor dead wood in canopy.		B ,2	Long
G268	Hybrid black poplar	13 to 15	4.0	300 to 400	5							Middle Age	Good	Row of vigorous trees with typical upright form. Growing from within dense hedge. Dead ivy tendrils cladding all stems.		B ,1, 2	Long
G269	Hybrid black poplar	13 to 16	4.0	300 to 450	11							Middle Age	Good	Row of vigorous trees with typical upright form. Growing from within dense hedge. Dead ivy tendrils cladding all stems.		B ,1, 2	Long
G270	Grey willow	3 to 5	0.0	50 to 80	40							Middle Age	Good	Multiple multi-stemmed trees forming a dense thicket around pond.		C ,2	Long
G271	Common hawthorn	3.5 to 4	0.5	75 to 140	5							Middle Age	Good	Self-set trees growing on pond bank. Reasonable individual form.		C ,2	Long
G272	Common alder, Grey willow, Elder	3 to 9	0.0	60 to 270	40							Middle Age	Mixed	Dense copse forming a closed canopy over pond. Alder towards the centre with willow at perimeter.		C ,2	Medium
G273	Downy birch, Common hawthorn, Pedunculate oak, Grey willow	5 to 14	1.5	140 to 450	100							Middle Age to Mature	Good	Linear group lining either side of railway line. Some individual oak with good potential. Some birch approaching full maturity.		B ,1, 2	Long
G274	Sycamore, Common alder, Common hazel, Common ash, Pedunculate oak, Crack willow	6 to 18	1.5	250 to 700	300							Middle Age to Mature	Mixed	Well established group lining Puddinglake Brook. Contains some ash and oak of considerable stature. Stem failures present on crack willow.		B ,1, 2, 3	Long
G275	Common ash, Blackthorn, Pedunculate oak, Grey willow	5 to 13	0.0	200 to 600	25							Middle Age to Mature	Good	Dense thicket of blackthorn and willow studded with good quality oak trees. Ploughed up to canopy on south-east side.		B ,1, 2	Long
G276	Common hawthorn, Blackthorn, Pedunculate oak, Grey willow	5 to 14	0.0	200 to 600	45							Middle Age to Mature	Good	Dense thicket of blackthorn and willow studded with Good quality oak trees. Ploughed up to canopy on outer edge.		B ,1, 2	Long
G277	Common hawthorn	3 to 5	0.5	120 to 300	9							Middle Age	Good	9 multi-stemmed hawthorn trees adjacent to small watercourse at field edge.		C ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G278	Crack willow	11 to 14	0.5	100 to 430	20							Middle Age	Fair	Cluster of willow trees at field edge close to railway line. Stems lean largely to the south. Stem and branch failures, typical of species. Some trees basally multi-stemmed with tight and included unions.		C ,2	Medium
G279	Crack willow	11 to 12	1.5	75 to 450	6							Middle Age	Fair	Cluster of willow trees at field edge close to railway line. Stems lean largely to the south. Stem and branch failures, typical of species. Some trees basally multi-stemmed with tight and included unions. 2 willow stumps to south of group where trees have been fairly recently felled with small amount of logs stacked under canopy of group.		C ,2	Medium
G280	Common hawthorn, Goat willow	3 to 4	0.0	100 to 220	3							Middle Age	Mixed	3 trees; 2 hawthorn and 1 willow. Within or adjacent to ditch. Multi-stemmed forms. Hawthorns have dieback in upper canopy.		C ,3	Short
G281	Sycamore, Common alder, Silver birch, Common hawthorn, Wild cherry, Goat willow, Elder	3 to 10	0.5	75 to 280	150							Young to Middle Age	Good	Dense multistemmed trees around ponds and next to river. Some pruning to Western edge. Access difficult		B ,3	Long
G282	Sycamore, Common alder, Silver birch, Wild cherry, Goat willow	2 to 7	0.5	75 to 190	25							Young to Middle Age	Fair	Scattered trees between road and pond. Mostly multistemmed forms.		C ,2	Medium
G283	Sycamore, Silver birch, Common hawthorn, Goat willow, Osier, Elder	2.5 to 5	0.5	75 to 240	25							Young to Middle Age	Fair	Multistemmed group between road and wetland area. Larger willow to northern end. Some hedgelike structure to south		C ,2	Long
G284	Common hawthorn	2 to 4	0.0	100 to 250	50							Middle Age	Mixed	Linear field boundary group on either side of ditch. Mixed condition due to some moribund and dead stems, but largely in fair condition. Some gaps. Some trees flailed.		C ,2	Short
G285	Common alder, Goat willow, Elder	3 to 7	0.5	75 to 210	30							Young to Middle Age	Fair	Small screening group between wetland and track. Some multistemmed forms.		C ,2	Long
G286	Common hawthorn	2 to 4	0.0	100 to 250	50							Middle Age	Mixed	Linear field boundary group on either side of ditch. Mixed condition due to some moribund and dead stems, but largely in fair condition. Some gaps and parts overgrown by bramble. Some trees flailed and topped.		C ,2	Short
G287	Common alder, Silver birch, Goat willow, Elder	3 to 10	0.5	75 to 260	300							Middle Age	Fair	Large area of mostly willow and alder around wetland area. Multistemmed forms. Some failed trees. Dead wood throughout. Good habitat value		B ,3	Long
G288	Sycamore, Common alder, Silver birch, Goat willow	5 to 11	1.0	75 to 300	30							Middle Age	Fair	Linear group between road and wetland area. Taller upright trees. Some multistemmed forms. Dead wood in crowns		C ,2	Long
G289	Common hawthorn	2 to 4	0.0	200 to 300	3							Middle Age	Mixed	3 hawthorn trees on either side of ditch. 2 moribund, 1 dead and collapsed into ditch.		U	Very Short
G290	Grey willow	4 to 6	0.0	75 to 150	50							Middle Age	Fair	Dense cluster of willow on south side of ditch. Flailed fieldside over fitch with failed limbs still attached. Multi-stemmed forms.		C ,2	Medium
G291	Common hawthorn	2 to 5	0.0	75 to 200	15							Middle Age	Fair	Sporadic hawthorn trees along ditch. Largely on south side, occasionally on northern side. Flailed lower branches field side. Multi-stemmed forms.		C ,2	Medium
G292	Sycamore, Common hawthorn, Goat willow, Elder	2.5 to 6	0.5	75 to 200	20							Young to Middle Age	Fair	Small trees around base of pylon. Some growing in waterlogged area. Multistemmed forms		C ,2	Medium
G293	Goat willow, Grey willow	5 to 10	1.0	210 to 450	4							Middle Age	Fair	Roadside trees next to wetland area. Numerous pruning wounds with vigorous regrowth. Generally multistemmed forms. Congested crowns		C ,2	Long
G294	Sycamore, Silver birch, Common hawthorn, Goat willow	2 to 10	0.5	75 to 220	50							Middle Age	Fair	Scattered group around ponds. Mostly multistemmed forms. Pruning wounds.		C ,2	Long
G295	Sycamore, Common alder, Silver birch, Common hawthorn, Wild cherry, Grey willow, Elder	3.5 to 11	1.0	75 to 250	400							Middle Age	Fair	Dense group of closely spaced trees between road and river. Some multistemmed trees. Occasional standing dead trees.		C ,2	Long
G296	Goat willow, Osier	5 to 8	0.0	150 to 250	15							Middle Age	Fair	Cluster of willow adjacent to nature reserve entrance. Leaning stems. Some branch failures, typical of species. Telegraph pole and wire in group. Multi-stemmed forms.	Extend north	C ,2	Medium
G297	Common alder, Silver birch, Goat willow	3 to 9	0.0	150 to 250	15							Middle Age	Fair	Clusters and sporadic trees along footpath within nature reserve. Largely willow, alder and birch at western end of group. Multi-stemmed forms of willow.		C ,2	Medium
G298	Field maple, Common alder, Silver birch, Common hawthorn, Common ash, Goat willow, Grey willow, Elder, Elm species	2.5 to 10	0.5	75 to 210	150							Middle Age	Fair	Dense linear group aligned with track and motorway flyover. Multistemmed forms. Dense undergrowth in places. Some failed stems		C ,2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G299	Goat willow, Crack willow	5 to 9	0.0	100 to 450	10							Middle Age	Mixed	Cluster of self set willows. Located on either side of informal track. Basally multi-stemmed. Crack willow is collapsing and failed and split stems and branches. Failures are fairly typical of willow species.		C ,2	Medium
G300	Common hazel, Goat willow	2 to 8	0.0	75 to 250	10							Middle Age	Good	Clusters of largely willow in overgrown area at edge of field. Multi-stemmed forms.		C ,2	Long
G301	Common hazel, Common hawthorn, Common ash	5 to 7	0.0	150 to 220	3							Middle Age	Good	Cluster of 3 trees at edge of field in overgrown area. Low canopies that are merging together forming dense group canopy.		C ,2	Long
G302	Goat willow, Crack willow	5 to 7	0.0	130 to 200	3							Middle Age	Good	Cluster of 3 trees at edge of field in overgrown area. Low canopies that are merging together forming dense group canopy.		C ,2	Long
G303	Elder	3 to 5	0.0	75 to 180	5							Middle Age	Poor	Cluster of moribund elder at edge of field.		U	Very Short
G304	Goat willow, Crack willow	3 to 5	0.0	75 to 250	20							Middle Age	Good	Cluster of willow trees at edge of field in overgrown area. Low canopies that are merging together forming dense group canopy.		C ,2	Long
G305	Elder	3 to 4	0.0	100 to 280	3							Middle Age to Mature	Fair	3 elder trees on field edge. Some tip dieback evident.		C ,1	Short
G306	Elder	3 to 4	0.0	50 to 100	15							Middle Age	Fair	Dense cluster of elder at base of water storage tanks.		C ,2	Short
G307	Common hawthorn, Goat willow, Elder	4 to 6	0.0	150 to 250	5							Middle Age	Fair	Dense cluster of trees located within fenced area around water storage tanks. Inspection restricted by access.		C ,2	Medium
G308	Common hawthorn, Elder	3 to 4	0.0	100 to 170	6							Middle Age	Fair	Several small sporadic trees at edge of field in overgrown area.		C ,1	Short
G309	Sycamore, Hybrid black poplar, Crack willow, Elder	3 to 20	1.0	75 to 600	50							Middle Age	Fair	Large trees forming linear group within wet area. Unable to access due to overgrown brambles and ditches. Some failed limbs with vigorous regrowth. Typical forms. Some multistemmed.		B ,2	Long
G310	Norway maple, Common alder, Silver birch, Pedunculate oak, Elder, Guelder rose	2 to 13	0.5	75 to 320	30							Middle Age	Good	Screening group between river and track. Tall narrow forms. Some dead wood in crowns. Mostly alder towards Western end		B ,2	Long
G311	Sycamore, Common alder, Common hawthorn, Goat willow, Elder	2 to 6	0.5	75 to 380	80							Young to Middle Age	Fair	Scattered trees on railway embankment. Multistemmed forms. Unable to access.		C ,2	Medium
G312	Common alder, Common hawthorn, Goat willow, Elder	2 to 6	0.5	75 to 180	120							Middle Age	Good	Dense small trees and shrubs on railway embankment. Multistemmed forms. Access restricted		C ,2	Long
G313	Common alder, Hybrid black poplar, Goat willow, Elder	2.5 to 15	1.0	75 to 600	25							Middle Age	Fair	Group of trees beneath huge poplar and around concrete structure. Two larger poplars with smaller alder and elder. Some multistemmed forms.		C ,2	Medium
G314	Common hawthorn, Elder	3.5 to 5	1.0	75 to 180	25							Middle Age	Good	Outgrown hedgerow. Dense crowns. Multistemmed forms. Unable to access		C ,2	Long
G315	Goat willow	2 to 4	0.5	50 to 80	20							Young	Good	Scattered self-set willow trees in field. Multistemmed forms		C ,2	Long
G316	Common hawthorn	4.5 to 5	0.5	240 to 260	2							Middle Age	Good	Pair of hawthorns next to access. Congested crowns. Multistemmed forms. Good examples of species		B ,1	Long
G317	Norway maple, Horse chestnut, Hornbeam, Common hawthorn, Common ash, Crack willow	3 to 10	1.0	75 to 350	30							Middle Age	Fair	Screening group along edge of road. Mixture of formal and informal planting. Some multistemmed forms		C ,2	Long
G325	Common hawthorn, Elder	2 to 4	0.0	130 to 250	4							Middle Age to Mature	Fair	Small cluster of elder and hawthorn adjacent to fields, large oak and footpath. Elder is mature. Some multi-stemmed forms.		C ,2	Short
G331	Common hazel, Common hawthorn, Goat willow	3 to 7	0.0	75 to 160	150							Middle Age	Fair	Linear field boundary group adjacent to bridleway.		C ,2	Medium
G332	Field maple, Common alder, Dogwood species, Common hazel, Common hawthorn, Common ash, Wild cherry, Blackthorn, Pedunculate oak, Goat willow	3 to 12	0.0	50 to 280	200							Middle Age	Good	Dense cluster of roadside trees on hill. Fairly dense with floor in group overgrown by ivy. Minor deadwood in ash trees. Larger trees have tall narrow forms.		B ,2	Medium
G333	Field maple, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Goat willow	4 to 12	0.0	75 to 400	400							Middle Age	Good	Linear roadside group of trees on embankment next to field. Lapsed hawthorn hedge forms edge of group to west. Dense with field side branches flailed. Dense screen and address of continuous linear habitat.		B ,2	Long
G334	Sycamore, Common hawthorn, Common ash, Apple species, Wild cherry, Goat willow	3 to 6	0.0	50 to 150	150							Middle Age	Fair	Linear roadside group of trees adjacent to field on slope. Lower limbs and stems flailed. Dense and closely spaced.		C ,2	Medium
G335	Common alder, Common sallow	8 to 10	1.0	50 to 200	50							Young to Middle Age	Mixed	Trees forming western edge of wider area of canopy cover; extensive alder leaf beetle damage; dense group, many stems.		C ,1	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G336	Common alder	8 to 9	1.0	120 to 350	3							Middle Age	Fair	Small clump of alder on field boundary; alder leaf beetle damage throughout.		C ,1	Long
G338	Sycamore, Pedunculate oak	5 to 8	1.0	250 to 380	2							Middle Age	Mixed	Small, self seeded trees on bank of pond; sycamore shaded out by oak with reduced form and vigour.		C ,1, 2	Long
G339	Common hazel, Common hawthorn, Pedunculate oak	3 to 9	1.0	150 to 320	6							Young to Middle Age	Mixed	Self seeded trees on field boundary; lower branches flailed and pruned to poor standard.		C ,1, 2	Long
G340	Sycamore, Horse chestnut, Silver birch, English holly, Corsican pine, Sessile oak, Elder, Yew, Small-leaved lime	5 to 23	0.0	100 to 600	300							Mixed Age	Mixed	Portion of roadside tree belt forming component of wider network of linear tree belts along road network and field boundaries; amenity and landscape value; screening along field boundary; generally in good health and condition, occasional stem failures and broken, hanging branches; number of pines with heavy stem leans.		A ,2	Long
G341	Sycamore, Sweet chestnut, Common beech, Common ash, Lombardy poplar, Sessile oak, Peduncular oak, Crack willow, Small-leaved lime	10 to 22	1.0	100 to 800	300							Mixed Age	Mixed	Belt of trees between field parcels; component of wider network of linear canopy areas providing connectivity across landscape; group becomes younger in age to north eastern end; generally good health and condition, occasional root plate failures and hung up trees; ash appear in reasonable to good condition; deadwood habitat and aerial habitat features present; no access within group, limited inspection.		B ,1, 2, 3	Long
G342	Crack willow	7 to 12	1.0	200 to 1000	40							Middle Age to Mature	Mixed	Trees growing along course of river; numerous failed and collapsed stems, including one of large proportions; majority of trees smaller; potential habitat features throughout, trees likely of greater ecological value than arboricultural.		C ,1	Long
G343	Sycamore, Pedunculate oak	15 to 20	2.0	300 to 1000	10							Middle Age to Mature	Good	Tip of wider tree belt along riverbank; good health and condition; some storm damage, minor.		B ,1, 2	Long
G346	Sycamore, Silver birch, Common hawthorn	8 to 10	1.0	110 to 350	4							Middle Age	Good	Small cluster of roadside trees. 1 smaller hawthorn in understorey. All 3 larger trees are bifurcate with ivy growth on 2 of them. Pruned and crown lifted limbs roadside.		B ,2	Long
G347	Sycamore, Common ash	12 to 16	2.0	600 to 670	3							Middle Age	Good	3 roadside trees within boundary hedge on sloped bank down to field and ditch. 2 trees heavily ivy clad restricting inspection. Pruned and crown lifted roadside, some flailing wounds also. All trees are bifurcate.		B ,2	Long
G348	Elm species	4 to 6	3.0	150 to 200	2							Middle Age	Dead	2 dead trees within boundary hedge adjacent to road.	Fell.	U	Very Short
G349	Sycamore, Silver birch, Common hazel, Common hawthorn, Crab apple, Pedunculate oak, Wych elm	4 to 15	0.0	150 to 450	150							Middle Age	Mixed	Linear group of roadside trees growing on small slope. Heavily ivy clad trees restricting inspection. Occasional small dead elm stems, likely as a result of Dutch elm disease. Some larger trees within small understorey hawthorn. Lower limbs and smaller trees flailed.		B ,2	Medium
G350	Cypress species	1.5 to 2.5	0.0	100 to 150	15							Middle Age	Good	Linear group of cypress trees delineating the residential boundary. All have been topped and are being managed as a hedge but not quite in merged hedge form at present.		C ,2	Medium
G351	Fir species, Maple species, Oregon-grape species, Cherry laurel	2 to 4	0.0	75 to 120	7							Middle Age	Good	Small trees and mixed shrubs delineating residential garden.		C ,3	Medium
G352	Common hawthorn, English holly, Pedunculate oak, Elder	2 to 4	0.0	75 to 100	10							Middle Age	Fair	Small cluster of lapsed hawthorn and self set Holly and oak on field boundary.		C ,2	Short
G353	Goat willow, Crack willow	3 to 6	0.0	75 to 200	30							Middle Age	Good	Clusters of willow in wet reed area at edge of field. Multi-stemmed forms.		C ,2	Medium
G354	Common hawthorn, Pedunculate oak	2 to 3	0.0	100 to 120	4							Young to Middle Age	Fair	Several small trees that have been heavily topped and pruned.		C ,3	Short
G355	Crack willow	10 to 18	0.0	250 to 400	30							Middle Age	Fair	Cluster of willow at edge of field to North of residential houses. Some previous limb failures evident. Stems lean in various directions throughout group. Forms part of wider landscape feature.		B ,2	Long
G356	Goat willow	3 to 4	0.0	40 to 75	3							Young	Good	Small cluster of willow adjacent to ditch.		C ,3	Medium
G357	Common hawthorn, Elder	4 to 6	0.0	100 to 200	4							Middle Age	Fair	2 clusters of hawthorn and elder on southern side of path to North of canal. Multi-stemmed forms. Mature elder with some dieback.		C ,2	Short
G359	Goat willow, Crack willow	4 to 17	0.0	200 to 600	30							Middle Age	Fair	Cluster of willow located in overgrown field. Access and visibility of trees restricted by dense undergrowth. Some previous long failures and potential stem failures, typical of species.		B ,2	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G360	Sycamore, Common hawthorn, Pedunculate oak, Goat willow, Crack willow, Elder	3 to 14	0.0	75 to 400	150							Middle Age to Mature	Mixed	Group of trees on top of steep bank in North side of canal path. Multi-stemmed forms of some trees. Predominantly middle aged with mature elder specimens. Occasional dead stem. Several willow stems collapsing and limb failures also evident. Inspection restricted by accessibility and dense undergrowth in parts.		C ,2, 3	Medium
G361	Sycamore	6 to 7	1.0	150 to 200	2							Middle Age	Good	2 trees at top of bank to North of canal path. Inspection restricted by accessibility. Appear healthy.		C ,1	Medium
G362	Sycamore, Common hawthorn, Elder	3 to 7	0.0	150 to 350	40							Middle Age to Mature	Mixed	Group of predominantly middle aged hawthorn and mature elder. Some elder dead or moribund. Parts overgrown by bramble.		C ,2, 3	Short
G363	Goat willow, Crack willow	4 to 16	0.0	200 to 500	30							Middle Age	Fair	Cluster of willow located in overgrown field. Access and visibility of trees restricted by dense undergrowth. Some previous limb failures and potential stem failures, typical of species.		B ,2	Medium
G364	Pedunculate oak, Goat willow	3 to 6	0.0	75 to 200	8							Young to Middle Age	Good	Sporadic and scattered trees in field.		C ,1	Medium
G365	Common hawthorn, Pedunculate oak, Goat willow	3 to 6	0.0	75 to 200	30							Middle Age	Mixed	Scattered and sporadic trees along gulley between fields. Some dead stems within group.		C ,2	Short
G366	Sycamore, Silver birch, Common hawthorn, Wild cherry, Pedunculate oak, Goat willow, Crack willow	3 to 20	0.0	130 to 800	100							Middle Age to Mature	Mixed	Field boundary group of trees adjacent to/around informal access track. Mixture of middle age and mature trees. Some larger willow with failed limbs typical of species. Some trees located on bund to West of track. Part of wider landscape feature.		B ,2, 3	Long
G367	Sycamore, Silver birch, Common hawthorn, English holly, Wild cherry, Pedunculate oak, Goat willow, Osier	3 to 12	0.0	100 to 300	200							Middle Age	Good	Field boundary group of trees. Some trees growing on slope adjacent to field. Group is younger and more sense than adjacent trees to South. Part of wider landscape feature.		B ,2	Long
G368	Lawson cypress, Leyland cypress	5 to 8	0.0	130 to 300	4							Middle Age	Good	4 cypress trees at edge of field in adjacent property. Canopies merging. Northernmost trees have been pruned to raise the canopies over access track and gate.		C ,1	Medium
G369	Lawson cypress, Cider gum, English holly, Cherry species	2 to 5	0.0	75 to 150	20							Middle Age	Good	Scattered trees and shrubs within adjacent property forming slight screening.		C ,2	Medium
G370	Common hawthorn	2 to 5	0.0	75 to 200	30							Middle Age	Fair	Boundary group overgrown with ivy. Screens adjacent property from field.		C ,2	Medium
G371	Elder	2 to 3	0.0	75 to 150	5							Middle Age	Good	Small scattered trees growing on fence line.		C ,3	Medium
G372	Common alder, Common hawthorn, Elder	3 to 13	0.0	75 to 350	15							Middle Age	Good	2 clusters of trees on either side of access track and gate and stream. Later trees are alder with hawthorn and elder in the understorey. Alders are heavily ivy clad. Forms part of wider landscape feature.		B ,2	Long
G373	Goat willow, Crack willow	3 to 8	1.0	130 to 300	15							Middle Age	Fair	Clusters of willow in field to west of PRoW. Multi-stemmed forms. Some collapsed stems and failed branches evident.		C ,2	Medium
G374	Common hawthorn, Elder	2 to 3.5	0.0	50 to 130	7							Middle Age	Good	Small sections of lapsed hedgerow that would be difficult to bring back into any reasonable hedgerow management. Multi-stemmed forms.		C ,2	Medium
G375	White willow, Goat willow, Field elm	3 to 9	0.0	60 to 500	10							Middle Age	Fair	Clusters of predominantly willow on canal bank. Stems lean. Cavities with occlusion in some trees, potentially from hollowing of a tearing wound from previous failures. Pruned and flailed limbs and cut stems with subsequent regrowth evident. Bat potential.	Potentially bat tree 261	C ,2, 3	Medium
G376	Common hawthorn	4 to 5	0.0	150 to 250	4							Middle Age	Good	4 hawthorn trees on North side of canal. Basally multi-stemmed. Trees nearest to bridge are heavily ivy clad obscuring inspection.		C ,2	Long
G377	Downy birch, Common beech	12 to 15	2.5	250 to 550	15							Middle Age	Good	Linear group of boundary trees on North side of access track in private property. Tall, slender forms that are reasonably closely spaced. Inspection restricted by access.		B ,2	Long
G378	Sycamore, Common hawthorn, Common ash, Sessile oak	5 to 20	0.5	50 to 820	200							Mixed Age	Good	Northern tip of wider woodland belt extending south; circa 1m deep ditch across northern boundary, root growth into survey area likely limited; existing access track runs north of and parallel with ditch; canopies overhanging track with 4m ground clearance at lowest point.		B ,1, 2	Long
G379	Common ash	6 to 7	2.0	250 to 400	2							Middle Age	Good	Two multi-stemmed trees on ditch line, previously managed at 1m as part of hedge; no obvious signs of Chalara ash dieback disease but access and visibility limited.		C ,1, 2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G380	Wych elm	4 to 4.5	0.5	150 to 160	2							Middle Age	Good	Self seeded trees in hedgerow.		C ,1, 2	Long
G381	Grey willow	6 to 8	0.0	300 to 700	5							Middle Age to Mature	Good	Small collective of scrubby trees around and within pond; some large stems; squat forms; limited access.		C ,2	Long
G382	Common hawthorn	3 to 5	0.0	130 to 250	3							Young to Middle Age	Good	Scrubby, self seeded trees in grassy field edge.		C ,1, 2	Long
G383	Hybrid black poplar, Elm species	5 to 16	1.0	50 to 230	150							Young to Middle Age	Mixed	Linear belt of roadside trees along field boundary; many dead elms; generally small trees, occasional larger poplar; established greening and screening value along highway but long term viability of group diminished due to condition of elm; trees posing low risk to road currently.		C ,1	Medium
G384	Hybrid black poplar, Elm species	10 to 16	1.0	100 to 200	10							Young to Middle Age	Good	Roadside tree at boundary with private property; limited access and inspection; generally small trees; one larger poplar but still small for species; contribute to wider roadside screening tree belt.		C ,1, 2	Long
G385	Common ash	16 to 18	3.0	400 to 670	2							Middle Age	Good	Two multi-stemmed trees forming single canopy area; limited access and inspection; no obvious symptoms of Chalara ash dieback disease, good number of viable winter buds.		B ,2	Long
G386	Pedunculate oak	8 to 12	2.0	700 to 950	3							Middle Age	Good	Three field boundary trees; healthy; central tree largest; occasional broken branches.		B ,1, 2	Long
G387	Pedunculate oak	10 to 17	3.0	400 to 850	11							Middle Age	Good	Collective of field boundary trees forming largely single canopy area; two larger, more prominent individuals otherwise generally of similar proportions; good health.		B ,1, 2	Long
G388	Pedunculate oak	10 to 13	1.5	160 to 400	3							Middle Age	Good	Successional trees; good health and condition.		C ,1, 2	Long
G389	Sycamore, Silver birch, Common hawthorn, Willow species, Elder	3 to 14	1.0	50 to 450	200							Mixed Age	Mixed	Very mixed group in terms of quality and size. Set on very wide, deep ditch and high bund separating land from road. Many self-seeded trees. Bramble understorey. Knotweed beside layby. Lots of fly tipping at edge.		C ,2	Medium
G390	Common hawthorn, Willow species, Goat willow	4 to 14	0.0	80 to 300	40							Middle Age	Fair	Mixed group most likely planted for boundary screening. Unmanaged. Overhanging car park. Some stems collapsing.		C ,2	Medium
G391	Cherry species, Goat willow, Grey willow	1.5 to 5	0.5	15 to 120	150							Young	Fair	Car park boundary group on bank. Unmanaged. Most probably self-seeded. Bramble prevalent.		C ,2	Medium
G392	Sycamore, Silver birch, Butterfly bush species, Common hawthorn, Poplar species, Goat willow	2 to 16	0.5	50 to 450	80							Mixed Age	Fair	Mixed quality group of self-seeded trees. Some poplars have target cankers. Bramble understorey.		C ,2	Medium
G393	Sycamore, Silver birch, Butterfly bush species, Common hawthorn, Common ash, Poplar species, Blackthorn, Pedunculate oak	4 to 16	1.5	50 to 450	150							Young to Middle Age	Fair	Trees planted and self seeded around edge of former reservoir. Mixed quality. Unmanaged.		B ,2	Medium
G394	Common hawthorn, Blackthorn	0.5 to 4	0.0	15 to 80	100							Young to Middle Age	Good	Hawthorn and blackthorn scrub over ditch/stream.		C ,2	Long
G395	Common alder, Common hawthorn, Common ash, Elder	5 to 14	0.5	150 to 600	8							Mixed Age	Fair	Field boundary group around small brook. Some self-seeded younger trees. Ivy cover on some stems. Mature ash has some cavities.		B ,2	Long
G396	Goat willow	2.5 to 5	0.0	30 to 150	20							Young to Middle Age	Fair	Small clump of willow in crater in middle of field. Multi-stemmed.		C ,2	Medium
G398	Goat willow	2.5 to 5	0.0	30 to 100	100							Young	Fair	Young willow regen on edge of railway line. All multi-stemmed.		C ,2	Short
G399	Common hawthorn, Goat willow	3.5 to 9	0.0	30 to 150	100							Middle Age	Fair	Sunken boggy area with surface water populated by willow and surrounded by hawthorn. Trees have naturally laid themselves.		C ,2	Medium
G400	Blackthorn	1 to 4	0.0	10 to 75	50							Young to Middle Age	Good	Patch of dense scrub on field edge. Many lichens present on branches. Animal tracks entering.		C ,2	Long
G401	Pedunculate oak	3.5 to 6	1.0	100 to 120	3							Young	Good	Oaks planted into hedgerow. Protected with post and rail fencing and rabbit netting. Well established.		B ,2	Long
G402	Pedunculate oak	7 to 8	1.5	180 to 220	2							Middle Age	Good	Trees appear to have been planted into mature hedgerow. Wet shallow ditch on south side. Good vitality.		B ,2	Long
G409	Common hawthorn, Blackthorn, Pedunculate oak, Goat willow	0.5 to 12	0.5	20 to 700	50							Middle Age to Mature	Good	Group of oak and willow around pond/wet area. Thorn understorey. Some ivy on stems.		B ,2	Long
G410	Common hawthorn, Pedunculate oak, Goat willow	1 to 12	0.5	50 to 650	30							Middle Age to Mature	Fair	Group of trees on pond edge with thorn understorey. Some dead stems. Some ivy covered.		B ,2, 3	Long
G412	Sycamore, Silver birch, Butterfly bush species, Common hawthorn, Goat willow, Grey willow	3 to 12	0.0	75 to 480	50							Mixed Age	Fair	Scrubby area covered with self-seeded trees of varying age and quality. Bramble, bracken and willow herb abundant. Ground very uneven. Infrequently used.		C ,2	Medium

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G413	Sycamore, Silver birch, Butterfly bush species, Common hawthorn, Goat willow, Grey willow	3 to 12	0.0	75 to 480	100							Mixed Age	Fair	Scrubby area covered with self-seeded trees of varying age and quality. Bramble, bracken and willow herb abundant. Ground very uneven. Infrequently used.		C ,2	Medium
G414	Sycamore, Common hawthorn, Cherry species, Willow species, Elder	3 to 16	0.5	75 to 550	50							Mixed Age	Fair	Mixed age group growing on steep embankment. Some self-seeded. Unmanaged.		C ,2	Medium
G415	Sycamore, Silver birch, Common hawthorn, Cherry species, Willow species	2 to 7	0.0	30 to 150	100							Young to Middle Age	Fair	Self-seeded natural regeneration in disused reservoir. Larger trees on retaining edges.		C ,2	Medium
G416	Common hawthorn, Blackthorn, Pedunculate oak, Goat willow	1 to 14	0.0	30 to 550	40							Middle Age to Mature	Mixed	Group of trees around pond with thorn understorey. Some standing dead.		B ,2	Long
G417	Common ash, Pedunculate oak, Goat willow	7 to 10	1.0	100 to 450	8							Middle Age	Mixed	Group around junction of two wet ditches. Ash shows signs of ash dieback. Oak and willow leaning over water.		C ,2	Medium
G418	Common hawthorn, Blackthorn	1.5 to 5	0.0	30 to 150	30							Middle Age to Mature	Fair	Group of overgrown thorn on bank of brook. Appears to have been historically laid. Ivy present on some stems.		B ,2	Long
G419	Common hawthorn, Blackthorn, Pedunculate oak, Goat willow	1 to 10	0.0	20 to 500	80							Mixed Age	Mixed	Group along bank of stream. Varied condition. Some collapsing over/into stream.		B ,2	Long
G420	Pedunculate oak	12 to 14	2.0	650 to 800	2							Mature	Good	Pair of mature open grown oaks. Wet ditch to south. Some deadwood of all sizes. Some epicormic growth on branches. Evidence of included fence wire. Good form.		A ,2	Long
G421	Pedunculate oak	8 to 10	2.0	600 to 640	2							Mature	Fair	Pair of open grown oaks in hedgerow. Wet ditch to east. Good form. Some deadwood.		B ,2	Long
G436	Silver birch, Common ash, Pine species, Scots pine, Small-leaved lime	2.5 to 10	1.0	200 to 350	8							Middle Age	Fair	Group planted as part of garden landscaping. Some have mower damage to bases. Good form.		B ,2	Long
G437	Common ash, Cherry species, Small-leaved lime	8 to 10	0.5	270 to 650	3							Middle Age	Fair	Cherry very large with open grown form. Lime has multiple bark inclusions. Ash has Epicormic shoots around the base.		B ,2	Long
G438	Norway maple, Sycamore, Pedunculate oak	10 to 18	4.5	280 to 1100	15							Middle Age to Mature	Good	Entrance avenue of mainly mature sycamore. Trees in Good condition with some pruning wounds which are well occluded. Good form. No visible significant defects.		A ,2	Long
G439	Field maple, Norway maple, Sycamore, Silver birch, Rowan	7 to 12	1.0	210 to 420	45							Middle Age	Good	Entrance avenue. Some mower damage to bases. Generally Good form and condition. No visible significant defects.		B ,2	Long
G443	Common hawthorn, English holly, Pedunculate oak	6 to 12	0.0	100 to 800	30							Middle Age to Mature	Good	Sheter belt of oak with understorey trees; good heath; lower branches on oaks pruned to poor standard.		B ,1, 2	Long
G448	Pedunculate oak	8 to 11	1.0	600 to 770	3							Middle Age	Fair	Three trees showing early decline an deadwood; greater collective value contributing to wider screening shelter belt and providing deadwood habitat and habitat features.		B ,2, 3	Medium
G449	Common hawthorn, Common ash, Pedunculate oak, Rowan	4 to 15	1.5	80 to 350	20							Middle Age	Fair	Group planted around substation. Pruning stubs on field side.		B ,2	Medium
G450	Horse chestnut, Pedunculate oak	10 to 14	1.5	300 to 450	2							Middle Age	Good	Successional trees; healthy; contributing to screening shelter belt.		C ,1, 2	Long
G451	Pedunculate oak	12 to 14	1.5	500 to 600	2							Middle Age	Good	Successional trees within wider shelter belt; healthy; some storm damage.		C ,1	Long
G452	Horse chestnut, Common hazel, Common hawthorn, English holly, Pedunculate oak, Goat willow, Elder	5 to 14	0.0	50 to 200	50							Young to Middle Age	Good	Smaller understorey trees forming shelter belt along narrow ditch line; healthy.		C ,1	Long
G453	Field maple, Common ash, Pedunculate oak, Elder	5 to 10	1.0	200 to 350	10							Young to Middle Age	Mixed	Successional trees, some likely self seeded; largely healthy but some ash with Chalara ash dieback disease symptoms.		C ,1, 2	Long
G457	Common hawthorn, Pedunculate oak	3 to 6	0.0	100 to 430	6							Young to Middle Age	Good	Scattered trees along field boundary ditch; majority of stems on northern bank; healthy.		C ,1, 2	Long
G458	Common alder, Pedunculate oak	7 to 12	1.0	480 to 800	6							Middle Age	Good	Group of field boundary trees of similar age and proportions; majority alder with two oak; one oak has large stem hollow, healthy canopy; limited access and inspection, fenced ditch line.		B ,1, 2	Long
G459	Common hazel, Common hawthorn, Poplar species, Pedunculate oak	8 to 14	1.0	100 to 250	10000							Middle Age	Fair	Mainly deciduous timber plantation planted in rows adjacent motorway. Occasional hawthorn, oak and hazel on edges to west and north. Limited longevity.		C ,2	Medium
G460	Blackthorn	6 to 7	2.0	150 to 200	2							Middle Age	Good	Outgrown hedge stems.		C ,1	Long
G461	Common hawthorn, Goat willow	4 to 8	1.0	50 to 250	200							Middle Age	Fair	Former hedgerow now outgrown. Linear group along efge of motorway embankment. Some ivy clad small trees.		C ,2, 3	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G464	Common hawthorn, Pedunculate oak, Elder	4 to 7	2.0	50 to 300	65							Middle Age to Mature	Fair	Scattered multi-stemmed trees along top edge of brook embankment. Mainly mature hawthorn with occasional elder and oak.		B ,2, 3	Long
G465	Leyland cypress	14 to 15	3.0	250 to 450	5							Middle Age	Good	Linear group along edge of boundary with good screening.		B ,2	Long
G466	Common hazel, Common hawthorn, Scots pine, Goat willow	6 to 9	0.5	10 to 250	250							Middle Age	Fair	Very dense linear group, possibly former hedgerow, between two fields. Good screening and habitat but multiple broken stems and branches.		C ,2, 3	Long
G467	Common alder, Common hawthorn, English holly, Pedunculate oak	9 to 12	4.0	150 to 550	100							Middle Age	Good	Linear avenue of trees adjacent and over track road south good clearance. Generally good form and vigour.		B ,2	Long
G468	Common hawthorn, English holly, Cherry plum	6 to 7	0.5	10 to 120	40							Middle Age	Fair	Very dense screening group along southern edge of brook embankment.		C ,2	Long
G469	Pedunculate oak	10 to 15	1.0	500 to 900	4							Middle Age to Mature	Good	Climax trees from edge of wider area of successional canopy cover; tree to east has squat form and larger diameter trunk; healthy trees; lower branches pruned to poor standard over field, associated dead stubs.		B ,1, 2	Long
G475	Common hawthorn, Common ash, English holly, Pedunculate oak, Rhododendron species, Elder	5 to 20	0.0	50 to 800	500							Mixed Age	Good	Woodland type group between field parcels; northern edge surveyed only; area of closed canopy tree cover with amenity, landscape and wildlife value.		A ,2, 3	Long
G476	Common hawthorn	3 to 8	1.0	150 to 350	3							Middle Age	Good	Scattered trees along field boundary; western most tree larger, borderline Category B feature; healthy.		C ,1	Long
G477	Pedunculate oak, Goat willow	10 to 15	1.0	200 to 550	5							Middle Age	Good	Small grouping of oak and willow to edge of pond; healthy.		B ,2	Long
G478	Common hawthorn, English holly, Elm species	2 to 5	0.0	20 to 250	30							Mixed Age	Fair	Mixed quality group on bank of deep ditch. Elms mostly dying. Not maintained.		C ,2	Medium
G479	Common alder, Silver birch, Pedunculate oak	8 to 14	1.5	400 to 750	12							Middle Age to Mature	Fair	Group along south eastern side of deep ditch. Some damage to lower branches, likely from ditch clearance works. Good form. No visible significant defects.		B ,2	Long
G481	Sycamore, Common alder, Silver birch, Common hawthorn, Goat willow, Elder	2 to 7	0.5	75 to 320	2000							Young to Middle Age	Fair	Large area of scattered trees and scrub. Natural regeneration. Very dense undergrowth prevents access. Some multistemmed forms. Occasional larger willows with large failed stems		C ,2, 3	Long
G482	Silver birch, Butterfly bush species, White poplar, Goat willow	2 to 7	0.0	50 to 150	400							Young to Middle Age	Fair	Group of sporadic clusters of self-set trees and regen on brownfield site. Inspection restricted by lack of access and visibility into wider group. Multi-stemmed forms. Some gaps between clusters. Fly tipping and litter in group.		C ,2	Medium
G483	Goat willow	3 to 5	0.0	50 to 200	10							Middle Age	Good	On island within waterbody separated from main field.		C ,1, 2	Long
G484	Sycamore, Silver birch, Common hawthorn, Pine species, Willow species	7 to 12	1.0	75 to 350	200							Middle Age	Good	Viewed from very long distance. Access restricted by HGV parking area and traffic and boundary fencing. Trees appear in good health and with good vigour and collectively provide good amenity, wildlife and screening value.		B ,2	Long
G485	Field maple, Common alder, Common hawthorn, Common beech, Hybrid black poplar, Wild cherry, Goat willow, Elder, Rowan	5 to 12	1.0	75 to 259	500							Middle Age	Good	Plantation shelter belt south of ditch and screening industrial land to south; generally good health and condition, some trees displaying low vigour and decline; occasional broken branches; greater collective value as sizeable area of cohesive canopy.		B ,2	Long
G486	Common hawthorn, Elder	3 to 6	0.5	100 to 350	20							Middle Age to Mature	Good	Generally smaller constituent trees from cluster of hawthorn and elder; deadwood and decay habitat, standing and prostrate; of lower quality generally but still of inherent value as part of wider group containing veteran trees; possible badger sett noted.		C ,2	Long
G489	Sycamore, Common ash	9 to 10	3.0	300 to 350	2							Middle Age	Mixed	Two self seeded trees forming single ca opu area; cavity on ash stem adjacent road, habitat potential; ash diseased.		C ,1, 2	Long
G490	Sycamore, Common ash	8 to 10	3.0	200 to 400	3							Middle Age	Mixed	Linear cluster of hedgerow trees; ash diseased with limited long-term prospects; Sycamore unremarkable but healthy successional tree; animal burrow on field side of hedgerow.		C ,1, 2	Medium
G491	Horse chestnut, Leyland cypress, Common beech	10 to 16	2.0	150 to 650	40							Middle Age	Good	Third party trees located behind 2m high brick wall; very limited inspection, only roadside trees partially visible; chestnut and beech at northern end of group displaying dieback; small diameter deadwood in beech, low risk.	Monitor condition of chestnut and beech tree to inform requirement for tree works; inform relevant landowner of this recommendation.	B ,1, 2	Long
G492	Sycamore, Elm species	5 to 9	3.0	120 to 350	6							Middle Age	Mixed	Outgrown hedge stems and taller self seeded trees in roadside verge; elms dead, posing low risk currently.	Fell elms, low priority; inform relevant landowner of this recommendation.	C ,2	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G493	Sycamore, Leyland cypress	9 to 11	2.0	100 to 300	10							Young to Middle Age	Good	Mostly cypress screening trees with self seeded broadleaved and occasional outgrown hedge stems.		C ,2	Long
G494	Common hawthorn, Common beech, Common ash, Goat willow	8 to 12	3.0	100 to 750	50							Young to Middle Age	Mixed	Portion of linear tree belt along eastern edge of PRoW; trees mostly of low quality individually, but with greater collective value providing greening along well used right of way; birds nest observed.		B ,2	Long
G495	Common hazel, Pedunculate oak, Goat willow, Elder	2 to 8	0.5	80 to 350	15							Young to Middle Age	Good	Scattered self seeded trees along western edge of PRoW; some larger oaks to south, not notably large; branches damaged by flail along edge of pathway.		C ,1, 2	Long
G496	Sycamore, Horse chestnut, Pedunculate oak	12 to 15	2.0	600 to 700	6							Middle Age	Good	Clustered trees at edge of field; canopies overhanging road south; appear healthy with no apparent defects.		B ,2	Long
G497	Sycamore, Common ash	6 to 10	2.0	150 to 200	5							Middle Age	Good	Self seeded trees.		C ,1, 2	Long
G498	Common alder, Pedunculate oak	10 to 14	6.0	400 to 600	20							Middle Age	Good	Larger trees within field boundary shelter belt along course of deep ditch; numerous structural lower branches recently pruned to poor standard to facilitate ground clearance, stubs remaining; root damage and severance along field edge from ploughing; healthy overall with greater collective value.		B ,2	Long
G499	Common hawthorn, Wild cherry, Pedunculate oak	5 to 10	1.0	120 to 400	5							Young to Middle Age	Mixed	Component of wider field boundary shelter belt; smaller trees with recent and historic flail damage and recent limb removals.		C ,1, 2	Long
G500	Sycamore, Common hawthorn	4 to 7	1.0	100 to 280	5							Middle Age	Mixed	Ourgrown hedge stems and dead or declining trees.		C ,1, 2, 3	Medium
G501	Silver birch, Common ash, Scots pine, Hybrid black poplar, Wild cherry	6 to 11	3.0	50 to 130	500							Young to Middle Age	Good	Linear belt of established tree between Mill Lane and adjacent land east; very limited inspection from roadside; greater collective value but not enough to qualify in higher category; potential to become moderate quality feature in short to medium term (at least 20 years).		C ,1	Long
G502	Sycamore, Common hawthorn, Common ash	5 to 10	0.0	100 to 300	50							Young to Middle Age	Mixed	Outgrown hedge sections with self seeded trees; Chalara ash dieback disease symptoms; some large hawthorn stems; amenity value as roadside trees but limited.		C ,1	Long
G503	Sycamore, Pedunculate oak	10 to 12	1.0	300 to 500	5							Middle Age	Mixed	Larger trees set back from road; very limited access and inspection; one sycamore showing reduced vigour.		B ,2	Long
G504	Common hawthorn, English holly, Elder, Wych elm	2 to 15	0.0	50 to 200	150							Young to Middle Age	Mixed	Linear stretch of mostly understorey species along course of drainage ditch; occasional larger elms succumbed to Dutch elm disease, dead but posing low risk; habitat value.		C ,1, 2, 3	Long
G505	Sycamore, Common alder	10 to 13	2.0	400 to 700	4							Middle Age	Good	Scattered trees along course of ditch between fields.		B ,1, 2	Long
G506	Crack willow	10 to 12	1.0	200 to 1000	15							Middle Age to Mature	Mixed	Linear cluster of willow along either side of drainage ditch; includes some very large stems that have collapsed and been tidied up with a chainsaw, but continue to thrive; associated deadwood habitat; greater collective value as component of wider shelter belt.		B ,2, 3	Long
G507	Sycamore, Common ash, Pedunculate oak	6 to 9	1.0	100 to 460	6							Young to Middle Age	Mixed	Successional trees and trees showing decline; occasional small dead trees.		C ,1, 2	Medium
G508	Common alder	2 to 7	1.0	100 to 400	6							Young to Middle Age	Mixed	Trees scattered around small pond; no access, very limited inspection from field gate at roadside; stem failure evident in one alder with area of apparent decay.		C ,1, 2	Long
G509	Sycamore, Common hawthorn, Common beech, Common ash, English holly, Common lime	5 to 11	1.0	100 to 490	18							Young to Middle Age	Good	Successional roadside trees; one holly stem of reasonable size and age.		C ,1, 2	Long
G510	Crack willow	7 to 8	1.0	40 to 130	10							Middle Age	Good	Previously a large stem diameter willow now collapsed with former branches growing vertically; still vigorous; much of former stem appears dead.		C ,1, 3	Long
G511	Sycamore, Goat willow	5 to 8	1.0	130 to 350	4							Middle Age	Good	Scattering of trees to edge of field parcel.		C ,1, 2	Long
G512	Sycamore, Pedunculate oak	4 to 7	0.5	100 to 200	2							Young to Middle Age	Good	Self seeded tree.		C ,1, 2	Long
G513	Sycamore, Common hazel, Common hawthorn, English holly	4 to 10	0.0	100 to 300	40							Young to Middle Age	Mixed	Predominantly hawthorn along course of brook; one larger sycamore, some decline.		C ,1, 2	Long
G514	Sycamore, Common ash	6 to 7	2.0	140 to 200	2							Middle Age	Good	Two self seeded hedgerow trees.		C ,1, 2	Long
G515	Common alder, Common hazel, Common hawthorn, Common ash, Goat willow, Elder	3 to 11	0.5	75 to 620	25							Middle Age	Fair	Group of trees around depression in ground. Larger alder and Ash. One larger tree failing and leaning with hollowing stem. Broken branches and stubs throughout. Some large diameter dead wood present.		B ,2, 3	Long
G516	Common alder, Common hawthorn, Pedunculate oak	4 to 7	0.5	100 to 480	30							Middle Age	Good	Outgrown hedgerow stems with scattered self seeded trees; one oak failed at root plate to north; majority of stems on opposite side of boundary ditch.		C ,1	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G517	Sycamore, Common hazel, Hawthorn species, Elder	5 to 12	1.0	80 to 300	70							Young to Middle Age	Good	Mixed group small to medium trees forming almost continuous native hedgerow; habitat value for nesting birds.		C ,1, 2	Long
G518	Pedunculate oak	16 to 17	2.0	500 to 550	2							Middle Age	Good	Two roadside trees in soft verge forming single canopy area; tree to east has layered branch extending south east along verge; small diameter deadwood over road, posing low risk; healthy trees contributing to wider tree belt.		B ,2	Long
G519	Common alder, English holly, Goat willow, Elder, English elm	2 to 8	0.5	75 to 420	20							Middle Age	Fair	Trees around pond. Some multistemmed forms. Some standing dead trees. Partially managed into hedge.		C ,2, 3	Long
G520	Common hazel, English holly	4 to 5	0.5	160 to 280	8							Middle Age	Fair	Dense group probably outgrown hedge. Multistemmed forms. Some broken branches and stubs including some quite large.		B ,2, 3	Long
G521	English holly	2.5 to 7	2.0	40 to 120	8							Young to Middle Age	Good	Outgrowth from boundary hedge.		C ,1	Medium
G522	Common alder, Common hazel, Common hawthorn, Pedunculate oak, Elder, English elm	2.5 to 14	1.0	75 to 700	25							Mixed Age	Good	Group of trees around pond. Large oak and alder with smaller shrub layer. Some early woodland form. Broken branches and dead wood in crowns.		B ,1, 3	Long
G523	Common alder, Common hazel, Common hawthorn, Pedunculate oak, Elder	2.5 to 12	0.5	80 to 800	40							Middle Age to Mature	Good	Large group along both sides of track. Large oaks and smaller outgrown hedges. Lots of good habitat with dead wood and decay throughout. Small cavities on most Large trees. Dense ivy in some places.		A ,2, 3	Long
G524	Common alder, Common hazel, English holly, Pedunculate oak, Goat willow, Elder	3 to 14	0.5	75 to 820	60							Middle Age to Mature	Good	Large trees around ponds with dense understorey. Some multistemmed forms. Dense ivy throughout. Some large failed stems. Good habitat		B ,2, 3	Long
G525	Common alder, Common ash, Scots pine, Pedunculate oak	5 to 10	1.0	50 to 270	100							Young to Middle Age	Mixed	Portion of wider belt of trees between motorway and Summer Lane; mostly ash, likely affected by Chalara ash dieback. diseas		C ,1, 2, 3	Long
G526	Silver birch, Common ash, Scots pine, Pedunculate oak	6 to 12	1.5	100 to 250	50							Young to Middle Age	Mixed	Shelter belt of predominantly pine between motorway and Summer Lane; occasional disease ash; increased collective value as component of wider highway tree planting.		B ,2	Long
G527	Sycamore, Pedunculate oak, Elder	2.5 to 4	1.5	30 to 100	10							Young to Middle Age	Fair	Mixed group; Previously cut back from pond (coppiced).		C ,1	Long
G528	Common alder, Common hawthorn, Pedunculate oak, Elder	2 to 14	1.0	90 to 900	17							Middle Age to Mature	Good	Large trees around field pond. Large limbs removed with some big stubs. Tearout wounds. Various small cavities. Excellent habitat feature		A ,2, 3	Long
G529	Common alder, Elm species	3 to 4	2.0	50 to 70	3							Young	Fair	Pond to E possibly restricting root spread		C ,1	Long
G530	Sycamore, Common alder, Silver birch, Pedunculate oak	4.5 to 14	2.5	140 to 810	30							Middle Age to Mature	Good	Roadside group of large well established trees. Crown raised to west with signs of vehicle damage. Dense ivy in places. Heavy failed limb with torn stub on one tree. Good feature combined with similar on other side of road		A ,2, 3	Long
G531	Common alder, Common hazel, Common hawthorn, English holly, Pedunculate oak, Goat willow, Rowan	2.5 to 13	3.0	75 to 810	50							Middle Age to Mature	Good	Linear group of large roadside trees. Pruned to clear road to north with signs of vehicle damage. Some hedgerow remnants an multistemmed small trees around ponds at northern end. Broken branches and stubs. Dead wood throughout. Some cavities noted.		A ,2, 3	Long
G532	Common hazel, Common hawthorn, English holly, Goat willow, Elder	8 to 10	0.0	50 to 200	30							Middle Age	Fair	Group along either side of deep water filled ditch. Recent pruning of some trees and removal of western part of group.		C ,2	Medium
G533	Common alder, Common hawthorn, Pedunculate oak, White willow, Elder	3 to 12	0.0	50 to 1100	40							Middle Age to Mature	Fair	Field boundary group along both sides of wet ditch. Large oaks with large amounts of dead attached timber. Some cavities. Interesting form. Elder and hawthorn old hedgerow, unmanaged for some time.		B ,2, 3	Long
G534	Scots pine	7 to 8	0.0	500 to 550	2							Middle Age	Fair	Nice open grown form. Growing on man made bund.		B ,2	Medium
G535	Common ash, Wild cherry, Pedunculate oak, Goat willow	6 to 8	0.5	140 to 220	15							Middle Age	Fair	Group planted on man made bund. Cherries and ash previously topped.		C ,2	Medium
G536	Horse chestnut, Scots pine, Elder, Damson	3 to 8	0.0	50 to 390	20							Middle Age	Fair	Nice open grown form. Growing on man made bunds. Chestnut has had multiple limbs removed.		B ,2	Medium
G537	Crack willow	12 to 15	0.0	160 to 700	6							Mature	Fair	Pair of large trees standing in flooded ground. Some stems already failed.		C ,2	Short
G538	Common alder, Elder	3 to 5.5	0.0	50 to 240	30							Middle Age	Poor	Part of roadside hedge line. Bark damage. epicormic growth. Some dead stems.		C ,2	Short
G539	Damson	3 to 3.5	0.0	30 to 80	40							Middle Age	Fair	Group on manmade bund. Outgrown hedging plants. Some bark damage.		C ,2, 3	Short
G540	Common hawthorn, Common ash, Elder	3 to 8	0.0	30 to 140	80							Middle Age	Fair	Unmanaged outgrown hedgerow. Some on manmade bund.		C ,2	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G541	Norway maple, Common alder, Silver birch, Common hazel, Common ash, Wild cherry, Pedunculate oak, Goat willow, Elder	3 to 12	0.0	30 to 420	100							Middle Age	Fair	Close planted shelter belt group. Some on manmade bund. Not maintained. Some failed branches and stems.		C ,2	Medium
G543	Common alder, Common hawthorn, Pedunculate oak	3 to 9	2.0	75 to 550	11							Middle Age	Fair	Group of trees in and around pond. Some multistemmed forms. Some large cavities with hollowing of stems. Dead wood in crowns. Good habitat feature		B ,2, 3	Long
G544	Pedunculate oak	7 to 11	4.0	510 to 750	16							Middle Age to Mature	Good	Large roadside trees. Crown raised over road to south. Some wounds and stubs. Various cavities and splits with decay and hollowing. Ivy on some trees, occasionally severed. Good vigour.		A ,2, 3	Long
G545	Pedunculate oak	8 to 11	4.0	570 to 860	19							Middle Age to Mature	Good	Large roadside trees. Crown raised over road to north. Some wounds and stubs. Various cavities and splits with decay and hollowing. Ivy on some trees, occasionally severed with saw wounds to bark. Some vehicle damage. Good vigour.		A ,2, 3	Long
G546	Pedunculate oak	9 to 11	2.0	550 to 680	2							Middle Age	Good	Pair of trees on field boundary. Dead wood throughout crowns, some well decayed pieces. Broken branches and stubs.		B ,2	Long
G547	Common alder, English holly, Pedunculate oak	4 to 10	0.5	120 to 520	16							Middle Age	Good	Trees around pond. Some multistemmed from base. Dead wood throughout. Pruned to south to clear road and overhead cables. Some dense Ivy. Some cavities		B ,2, 3	Long
G548	Horse chestnut, Common alder, Silver birch, Scots pine, Hybrid black poplar, Red oak, Goat willow	5 to 20	1.0	80 to 800	80							Middle Age to Mature	Fair	Mixed boundary group of varying condition and quality. Some failed stems and branches. Some large mature trees of interesting form.		B ,2, 3	Long
G549	Common alder, Silver birch	3.5 to 6	0.0	30 to 80	200							Young	Poor	Scrubby small trees. Possibly planted, possibly self set. Growing on boggy field.		C ,3	Very Short
G550	Common hazel, Common hawthorn, Pedunculate oak	6 to 12	1.5	90 to 450	18							Young to Middle Age	Fair	Field boundary group along roadside. Open grown form.		B ,2	Long
G551	Sycamore, Birch species, Larch species, Pine species, Cherry species, Pedunculate oak	5 to 12	0.0	80 to 600	50							Mixed Age	Fair	Mixed quality group of shelter planting along roadside. Ivy over most lower parts. Busy road with no footway restricts inspection.		C ,2	Medium
G552	Sycamore, Common hawthorn, Common beech, English holly, Corsican pine, Pedunculate oak, Rhododendron species, Elder, Yew, Small-leaved lime	3 to 20	0.0	50 to 1090	80							Mixed Age	Fair	Mixed group along roadside with some large mature trees. Holly, yew and hawthorn understorey.		B ,2, 3	Long
G553	Sycamore, Horse chestnut, Common alder, Common hawthorn, Common beech, Poplar species, Willow species, Elder	6 to 20	0.0	30 to 850	150							Mixed Age	Fair	Shelter belt group between fields and road. Some large trees. Elder and hawthorn understorey. Lots of young self set trees. Some standing deadwood and trees with dieback. Some ocasional larger trees within group but largely middle aged and reasonably homogeneous.		B ,2	Long
G554	Sycamore, Common ash, Crack willow	6 to 22	0.0	100 to 600	200							Mixed Age	Fair	Group on wet ground alongside river. Some on High embankment along access road. Lots of fallen stems and limbs.		C ,2, 3	Medium
G555	Sycamore, Common hazel, Common ash, Poplar species, Pedunculate oak, Willow species	6 to 22	0.0	80 to 1000	100							Mixed Age	Mixed	Mixed group alongside railway. Some fallen and standing deadwood. Signs of Ash dieback on some ashes.		C ,2	Medium
G556	Common alder, Common hazel, Common ash, English holly, Corsican pine, Rhododendron species, Willow species, Yew	6 to 24	0.0	100 to 900	500							Mixed Age	Fair	Mixed quality group. Many dead and fallen limbs and stems. Some hung up. Etiolated due to density. Ivy on many stems.		C ,2, 3	Long
G557	Sycamore, Common hazel, Common ash, Poplar species, Willow species	5 to 22	0.0	50 to 900	200							Mixed Age	Fair	Group on steep embankment along riverside. Many fallen stems, lots with football intact. Bramble and Hazel understorey.		B ,2, 3	Long
G558	Pedunculate oak	6 to 8	1.5	150 to 240	4							Young	Fair	Young oaks in hedgerow. Lower parts flailed. Reasonable form.		C ,2	Long
G559	Blackthorn, Pedunculate oak	4 to 7	0.0	30 to 400	50							Mixed Age	Fair	Mixed roadside group on field boundary. Very dense.		C ,2, 3	Medium
G560	Common hawthorn, Common ash, Poplar species, Willow species	4 to 18	0.0	50 to 800	30							Mixed Age	Fair	Mixed quality group. Some stem and limb failures.		C ,2	Medium
G561	Common ash, Pedunculate oak	6 to 12	2.0	300 to 600	5							Middle Age to Mature	Fair	Hedgerow trees on roadside. Ivy covered. Poor form. Ash showing signs of Ash dieback.		C ,2	Medium
G562	Goat willow	2 to 6	0.0	10 to 180	40							Middle Age	Poor	Group along flooded ditch. Under powerlines so been topped. Multi stemmed.		C ,2	Medium

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G563	Common hawthorn, Pedunculate oak, Goat willow, Elder	5 to 9	0.0	50 to 550	80							Mixed Age	Fair	Mixed quality group growing in and around pond at field edge. Some collapsed stems, some leaning.		C ,2, 3	Long
G564	Common hawthorn, English holly, Goat willow, Elder	3 to 7	0.0	50 to 150	100							Mixed Age	Poor	Group growing in and around pond. Many collapsed and broken limbs and stems.		C ,2, 3	Medium
G565	Common hawthorn, Common ash, English holly, Pedunculate oak, Goat willow	4 to 12	0.0	30 to 650	80							Mixed Age	Fair	Group on bank of pond. Oak and Ash have multiple cavities. Willows collapsed and tangled.		C ,2, 3	Long
G566	Pedunculate oak	10 to 12	1.5	400 to 600	3							Mature	Fair	Hedgerow group of open grown trees. Some attached deadwood.		B ,1, 2	Long
G567	Common alder, Common hawthorn, Pedunculate oak, Goat willow	5 to 12	0.0	50 to 580	30							Middle Age to Mature	Fair	Mixed quality group on pond edge. Willows fallen and lifted roots. Some oaks with significant cavities		C ,2, 3	Long
G568	Pedunculate oak	7 to 8	3.0	250 to 340	3							Middle Age	Fair	Two open grown trees in hedgerow. One twin stemmed. Ivy covered.		C ,2, 3	Long
G569	Common hawthorn, Pedunculate oak, Goat willow, Elder	4 to 14	0.0	30 to 600	50							Mixed Age	Fair	Mixed quality group around pond. Some fallen stems. Some ivy cover.		B ,1, 2, 3	Long
G570	Silver birch	8 to 10	1.5	250 to 320	2							Middle Age	Fair	Trees in hedgerow. Some flail damage. Some dead branches.		C ,2	Medium
G571	Sycamore, Horse chestnut, Common hawthorn, Pedunculate oak	5 to 10	2.0	100 to 360	5							Middle Age	Fair	Group on edge of field. Some bark damage from livestock. Poor form.		C ,2	Long
G572	Common hawthorn, Goat willow, Elder	3 to 6	0.5	200 to 400	5							Middle Age	Good	Scattered self seeded trees; healthy.		C ,1, 2	Long
G573	Silver birch, Goat willow	12 to 17	0.5	240 to 680	3							Middle Age	Good	Small grouping of larger trees in good health; potential badger sett observed.		B ,2	Long
G574	Common alder, Downy birch, Common hawthorn, Pedunculate oak, Goat willow, Elder	5 to 14	1.5	50 to 650	1000							Mixed Age	Good	Linear planting along raised bund. Located on top, slopes and sides. Generally good condition throughout with a few fallen willow. Good habitat corridor and screening.		B ,2, 3	Long
G575	Common hawthorn, Goat willow	6 to 8	0.0	120 to 200	3							Middle Age	Good	Understorey trees contributing to wider collective; healthy.		C ,1, 2	Long
G576	Common alder, Goat willow	6 to 9	2.0	90 to 250	7							Middle Age	Good	Cluster of trees adjacent gated access; healthy.		C ,1, 2	Long
G577	Common hawthorn, Blackthorn, Goat willow	3 to 6	0.0	10 to 100	500							Young to Middle Age	Fair	Dense scrub on top of slope at edge of field growing behind and through wire fencing		C ,2, 3	Long
G578	Common alder, Goat willow	6 to 8	0.0	100 to 400	50							Young to Middle Age	Mixed	Successional trees reporting area of larger tree cover; predominantly willow.		C ,1, 2	Long
G579	Elder	3 to 4	0.5	10 to 80	15							Young to Middle Age	Fair	Self-set shrubby trees scattered along boundary		C ,2	Medium
G580	Elder	3 to 4	0.5	10 to 80	15							Young to Middle Age	Fair	Self-set shrubby trees scattered along boundary		C ,2	Medium
G581	Elder	3 to 4	0.5	10 to 80	15							Young to Middle Age	Fair	Self-set shrubby trees scattered along boundary		C ,2	Medium
G582	Common alder, Common hawthorn, Pedunculate oak, Elder	5 to 9	1.0	100 to 270	10							Young to Middle Age	Good	Scattered successional trees within clearing between Woodlands blocks; healthy.		C ,1, 2	Long
G583	Common alder, Silver birch, Scots pine, Pedunculate oak, Elder	8 to 15	2.0	25 to 300	10000							Middle Age	Fair	Dense plantation on large mound, spoil heap. Ties and wraps ingrained in many trees from lack of management. Thin, narrow form due to planting proximity		B ,3	Long
G584	Common alder, Silver birch, Common hazel, Goat willow, Crack willow	5 to 15	0.0	50 to 250	100							Young to Middle Age	Good	Predominantly willow growing in waterlogged ground; habitat value.		C ,2, 3	Long
G585	Common alder, Pedunculate oak	7 to 8	1.0	200 to 250	2							Middle Age	Good	Two successional trees growing together forming single canopy area.		C ,2	Long
G586	Silver birch, Common hawthorn, Scots pine, Pedunculate oak, Goat willow	5 to 15	0.0	100 to 400	250							Young to Middle Age	Good	Stretch of of screening tree cover; very limited access and inspection; some greater collective value you but not significantly.		C ,2	Long
G587	Hybrid black poplar, Crack willow	15 to 22	5.0	500 to 750	20							Mature	Good	Tall, broad trees on edge of access road to compound. Minor broken branches and dead wood. Located on sloped ground.		B ,1, 2	Long
G588	Silver birch, Common hawthorn, Goat willow	5 to 11	0.0	100 to 300	120							Middle Age	Good	Screening trees planted on on road Embankment; healthy.		C ,2	Long
G589	Common hawthorn, Elder	4 to 6	1.0	50 to 200	25							Middle Age	Fair	Roadside, outgrown hedgerow. Broken and snapped stems		C ,2	Medium
G590	Crack willow	5 to 8	1.0	150 to 450	3							Middle Age	Fair	growing under larger tree		C ,2	Medium
G591	Leyland cypress, English holly, Scots pine	8 to 11	2.0	80 to 220	10							Middle Age	Good	Garden trees on entrance to enclosed gated access. Generally good form and vigour.		B ,2	Long
G592	Common hazel, Common ash, Pedunculate oak	8 to 9	0.5	50 to 390	10							Middle Age	Fair	Located on far side of small couch adjacent road. Single and multi stemmed trees with asymmetric and suppressed form. Good bud vigour.		C ,1, 2	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G593	Common hazel	6 to 8	1.0	10 to 80	20							Middle Age	Good	3 multi stemmed Hazel adjacent road with good form and vigour		B ,1	Long
G594	Common ash, Pedunculate oak	10 to 16	5.0	650 to 1110	17							Mature	Fair	Informal avenue of hedgerow trees either side of small road. Mostly all ivy clad. All have some degree of damage or wounds creating holes, hollows, small areas of decay, snapped and broken branches. All generally have large, broad crowns with excellent vigour. Prominent trees in the locality. Locally notable.		A ,2, 3	Long
G595	Common hawthorn, Goat willow	5 to 6	0.5	50 to 180	20							Middle Age	Fair	Self set mult stemmed trees in water logged part of field boundary		C ,2	Long
G596	Common hawthorn	4 to 6	0.0	25 to 150	30							Middle Age	Fair	Shrubby trees located around edge of pond ditch.		C ,2	Long
G598	Common hazel, Common hawthorn, Common ash, Pedunculate oak, Goat willow	4 to 11	1.0	100 to 650	22							Middle Age	Fair	Group of trees along roadside and stream. Some multistemmed Willow, Hazel and Hawthorn. Many broken branches and stubs of varying sizes. Dead wood throughout. Dense Ivy on most larger trees. Fly tipping		B ,2	Long
G600	Common ash	4.5 to 8	1.5	170 to 240	2							Middle Age	Fair	Pairof outgrown hedgerow trees. Flailed with broken branches and stubs. Western tree multistemmed		C ,2	Medium
G602	Common alder, Common hawthorn, Common ash, Pedunculate oak, Goat willow, Elder	2.5 to 12	1.0	75 to 700	60							Middle Age	Good	Group of trees around pond and ditch network. Multistemmed forms. Some failed trees. Some growing in water. Dead wood throughout. Cavities and splits present. Dense undergrowth. Access difficult.		B ,2, 3	Long
G603	Common alder, Common hawthorn, English holly, Pedunculate oak, Crack willow, Elder, Rowan	3 to 12	1.0	75 to 750	30							Middle Age to Mature	Good	Group of trees around pond. Some large willow and alder. Some multistemmed trees. Dead wood throughout. Large willow with huge failed stem fallen into pond.		B ,2, 3	Long
G605	Common alder, Silver birch, Common hazel, English holly, Pedunculate oak	3 to 12	0.5	140 to 800	30							Middle Age to Mature	Good	Group of well established trees along ditch and around pond. Large oak and alder. Multistemmed smaller trees around pond. Numerous cavities and dead branches. Dense Ivy on some trees. Some signs of management.		B ,2, 3	Long
G606	Field maple, Common beech, Common ash, Pedunculate oak	3 to 6	1.0	100 to 500	16							Middle Age	Good	Linear group of native trees. Generally free from defects. Ash have dieback with lots of small dead branches.		B ,2	Long
G610	English elm	5 to 6	1.0	200 to 210	2							Middle Age	Poor	Dead elm trees in hedge		U	Very Short
G611	Pedunculate oak	8 to 8	2.0	440 to 740	2							Middle Age	Good	Pair of hedgerow trees. Southern tree has vertical split to stem with small cavity at 2m with potential hollowing. Minor dead wood in crowns. Broken branches and stubs		B ,2	Long
G614	Field maple, Common alder, Common hawthorn, Pedunculate oak, Elder	3 to 8	1.0	75 to 420	40							Middle Age	Fair	Roadside screening group. Some multistemmed trees. Some failed trees. Dead wood throughout. Signs of maintenance. Fairly homogenous group with little variation.		B ,2	Long
G616	Sycamore, Common alder, Common hawthorn, Common ash, Pedunculate oak, Goat willow	2.5 to 10	1.0	75 to 440	60							Middle Age	Good	Screening group next to road. Larger oaks to Eastern edge in field. Some standing dead trees. Some multistemmed forms. Dead wood throughout		B ,2	Long
G617	Common hawthorn, English holly, Blackthorn, Pedunculate oak, Elder	3 to 8	0.5	75 to 450	50							Middle Age	Good	Outgrown hedge, still managed as such in places. Larger outgrown oaks. Broken branches and stubs with numerous areas of decay. Multistemmed forms. Dead wood throughout.		B ,2, 3	Long
G619	Pedunculate oak	8 to 10	2.0	450 to 750	3							Middle Age	Good	Group of trees on both sides of farm access. Pruning wounds and stubs, some recent. Unable to access		B ,1, 2	Long
G625	Common hawthorn, Blackthorn, Grey willow, Elder	2 to 5	0.0	30 to 180	100							Young to Middle Age	Fair	Outgrown hedgerow on field boundary on edge of lane.		C ,2	Long
G626	Common hawthorn, Grey willow, Elder	2 to 5	0.0	30 to 180	10							Young to Middle Age	Fair	Self set group along deep ditch		C ,2	Long
G627	Sycamore, Common alder, English holly, Goat willow	6 to 11	1.5	210 to 770	12							Middle Age	Good	Scattered linear group along ditch. Multistemmed alder and willow with occasional larger open grown individuals. Broken branches and stubs, possibly flailed in places. Dense Ivy on most trees. Dead wood throughout		B ,2	Long
G632	Sycamore, Crack willow	4 to 9	0.0	100 to 350	6							Middle Age	Fair	Failed multistemmed willows and open grown Sycamore in overgrown area. Numerous broken branches and pockets of decay		C ,2, 3	Long
G633	Aspen	8 to 10	2.0	250 to 420	8							Middle Age	Fair	Linear group of aspens in hedgerow. Widely spaced. Most have bark and pruning wounds		B ,2	Long
G635	Common hawthorn, Pedunculate oak	3 to 11	1.0	160 to 570	11							Middle Age	Good	Two larger oaks with small multistemmed Hawthorn to either side. Some dead wood present in oak canopies. Signs of regular management with pruning wounds and stubs. Small cavities.		B ,1, 2	Long

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Italicised Values: Feature value was estimated

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G636	Common alder	6 to 9	1.0	320 to 610	8							Middle Age	Good	Linear group of alders with twisted stems. Some multistemmed. Dead wood throughout. Cavities and decay pockets. Dense basal suckers		B ,2, 3	Long
G637	Common hawthorn, Goat willow	3 to 5	0.0	90 to 220	20							Middle Age	Fair	Scrubby group of multistemmed trees. Broken branches and stubs, flailed to west		C ,2	Long
G638	Common hawthorn	3 to 4	0.5	120 to 240	5							Middle Age	Fair	Scrubby multistemmed trees. Broken branches and stubs, flail damage		C ,2	Long
G639	Common hawthorn, Elder	3 to 5	1.0	90 to 120	30							Middle Age	Fair	Multistemmed scrubby trees or outgrown hedgerow.		C ,2	Long
G644	Silver birch, Common hazel, Common hawthorn, Common ash, Scots pine, Wild cherry, Pedunculate oak, Elder, Elm species	3 to 9	1.0	75 to 170	100							Middle Age	Fair	Large group of trees screening motorway. Generally quite small. No understorey. Some standing dead trees. Quite wet underfoot. Some multistemmed forms		C ,2	Long
G674	Silver birch, Common hazel, Common hawthorn, Scots pine, Goat willow, Common sallow, Crack willow	4 to 12	1.0	50 to 300	500							Young to Middle Age	Good	Mixed deciduous coniferous plantation between road and golf course. Trees surround pond on edge. On raised ground. Densely planted with generally tall, narrow form. Shrubby understorey in places		B ,2	Long
G675	Silver birch, Common hazel, Common hawthorn, Pedunculate oak, Goat willow	6 to 10	1.0	50 to 250	50							Middle Age	Good	Golf course fairway planting. Mainly shrubby multi stemmed trees with occasional single stem birch and oak		C ,2	Long
G676	Silver birch, Common hazel, Common hawthorn, Pedunculate oak, Goat willow	6 to 11	1.0	25 to 200	150							Middle Age	Good	Golf course fairway planting. Mainly shrubby multi stemmed trees with occasional single stem birch and oak		C ,2	Long
G677	Silver birch, Common hazel, Common hawthorn, Pedunculate oak, Goat willow	4 to 11	1.0	25 to 150	100							Middle Age	Good	Golf course fairway planting located along ditch edges. Mainly shrubby multi stemmed trees with occasional single stem birch and oak		C ,2	Long
G678	Silver birch, Common lime	8 to 11	2.0	110 to 240	5							Middle Age	Good	5 open grown trees on sloped fairway embankment. One bifurcate at base. All with slender form.		C ,1, 2	Long
G679	Silver birch, Common hazel, Common hawthorn, Scots pine, Goat willow, Common sallow, Crack willow	4 to 13	1.0	50 to 350	1500							Young to Middle Age	Good	Mixed deciduous coniferous plantation between adjacent fields and golf course. On raised ground. Densely planted with generally tall, narrow form. Shrubby understorey in places		B ,2	Long
G680	Silver birch, Common hazel, Common hawthorn, Scots pine, Grey poplar, Goat willow, Common sallow, Crack willow	7 to 15	1.0	50 to 550	750							Young to Middle Age	Good	Mixed deciduous coniferous plantation between fairways. On raised ground. Densely planted with generally tall, narrow form. Shrubby understorey in places		B ,2	Long
G681	Scots pine	8 to 10	1.0	100 to 220	200							Middle Age	Good	Dense group of conifers on edge of fairway. Generally good vigour with narrow form due to proximity.		B ,2	Long
G682	Silver birch, Common hazel, Common hawthorn, Common ash, Scots pine, Grey poplar, Goat willow, Common sallow, Crack willow	7 to 15	1.0	50 to 450	2500							Young to Middle Age	Good	Mixed deciduous coniferous plantation between fairway and adjacent field. On raised ground. Densely planted with generally tall, narrow form. Shrubby understorey in places		B ,2	Long
G683	Goat willow, Common sallow, Crack willow	6 to 12	0.2	10 to 380	150							Young to Middle Age	Fair	Single and multi stemmed trees around edge of pond. Gorse understorey in places		C ,2, 3	Long
G684	Field maple, Silver birch	8 to 14	0.5	75 to 180	150							Middle Age	Good	Almost all silver birch with occasional field maple. Densely planted with tall, narrow and slender form.		B ,2	Long
G685	Field maple, Horse chestnut, Silver birch, Cherry species, Blackthorn, Pedunculate oak, Common lime	4 to 10	0.5	25 to 150	1000							Young	Good	Mainly young plantation on fairway slopes. Establishing trees		C ,2, 3	Long
G686	Common hawthorn, Blackthorn	4 to 6	0.5	10 to 120	2500							Middle Age	Good	Very dense rows of single and multi stemmed outgrown hedgerow either side of public footpath.		C ,2, 3	Long
G687	Field maple, Horse chestnut, Silver birch, Cherry species, Blackthorn, Pedunculate oak, Goat willow, Common lime	4 to 12	0.5	25 to 450	1500							Young to Middle Age	Good	Mainly plantation on fairway slopes including establishing trees with occasional scattered large multi stemmed goat willow.		C ,1, 2, 3	Long
G688	Common hawthorn, Blackthorn	4 to 6	0.5	10 to 120	2500							Middle Age	Good	Very dense rows of single and multi stemmed outgrown hedgerow either side of public footpath.		C ,2, 3	Long
G689	Field maple, Common alder, Silver birch, Common hazel, Blackthorn, Goat willow, Crack willow	5 to 14	1.0	50 to 400	10000							Middle Age	Fair	Almost young pioneer woodland. Dense plantation with some open glades. Limited inspection. Single and multi stemmed forms. Dense blackthorn and bramble understorey in places. Some dead trees		B ,3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G690	Common alder, Silver birch, Common hazel, Common hawthorn, Scots pine	6 to 12	0.5	50 to 250	1000							Middle Age	Fair	Protective screen planting for driving range. Located on sloped ground. Minor broken branches and dead stems.		B ,2	Long
G691	Silver birch, Scots pine	4 to 7	2.0	80 to 190	40							Young to Middle Age	Good	Scattered, open grown, small trees along edge of fairway. Generally good form and vigour		C ,2	Long
G692	Common hawthorn, Goat willow, Common sallow	3 to 10	0.5	50 to 400	10000							Young to Middle Age	Fair	Mainly willow planting along route of gas pipeline. Very overgrown and located along flat channel with slopes either side. Single and multi stemmed trees with some coppiced. Dense bramble understorey in patches.		C ,2, 3	Medium
G693	Field maple, Common ash, Wild cherry, Pedunculate oak	2 to 9	0.5	75 to 540	60							Middle Age	Good	Roadside group. Western edge flailed as hedge. Some standing dead trees. Ditch to east. Aerial dead wood throughout		B ,2	Long
G694	Blackthorn, Goat willow	2.5 to 6	0.5	75 to 280	20							Middle Age	Good	Cluster of multistemmed trees around pond. Some dead wood. Blackthorn outgrown from hedgerow		C ,2	Long
G695	Common hawthorn, Pedunculate oak, Goat willow	3 to 7	0.5	100 to 320	30							Middle Age	Good	Multistemmed trees around pond. Some squat oaks. Minor dead wood throughout		B ,2, 3	Long
G696	Common hawthorn	2.5 to 3.5	0.5	120 to 180	9							Middle Age	Fair	Scrubby multistemmed trees along ditch. Outgrown former hedge		C ,2	Medium
G697	Common hawthorn	2.5 to 4	1.0	160 to 220	30							Middle Age	Fair	Fragmentary group of leggy trees on ditch bank. Some multistemmed forms. Some standing dead stems. Various small cavities and wounds		C ,2	Medium
G698	Common hawthorn	2.5 to 4	1.0	160 to 220	45							Middle Age	Fair	Fragmentary group of leggy trees on ditch bank. Some multistemmed forms. Some standing dead stems. Various small cavities and wounds		C ,2	Medium
G699	Norway maple, Sycamore, Silver birch, Common ash, Hybrid black poplar, Pedunculate oak	10 to 19	3.0	120 to 870	200							Middle Age to Mature	Fair	Stand of fairly open grown trees on embankment adjacent substation. Mainly landscape quality. Some broad, open crowns		B ,2	Long
G700	Sycamore, Silver birch, Common hazel, Common hawthorn, Pedunculate oak, White willow, Goat willow	4 to 14	1.0	50 to 550	2000							Mixed Age	Fair	Dense plantation around substation. Single and multi-stemmed located on sloped ground. Patches of Hazel coppice and birch regen. Mainly screening and habitat value		C ,1, 2, 3	Long
G701	Field maple, Sycamore, Common hawthorn, Common ash, Wild cherry, Goat willow, Elder	8 to 12	1.0	50 to 450	150							Young to Middle Age	Fair	Single and multi-stemmed trees on raised ground adjacent internal access road. Large multi-stemmed goat willows with some failures and harp growth. Cherries have unusual curved stem towards base.		C ,1, 2	Long
G702	Common alder, Silver birch, Common hazel, Wild cherry, Goat willow, Crack willow	5 to 10	0.0	50 to 250	100							Young to Middle Age	Good	Predominantly dense willow growing on sloped ground with mainly habitat value.		C ,2, 3	Long
G703	Goat willow, Grey willow	2 to 5	0.0	50 to 120	10							Young to Middle Age	Fair	Group of self set trees on sides of deep, water filled field boundary ditch.		C ,2	Long
G704	Common alder, Common hawthorn, Pedunculate oak, Goat willow	2 to 6	0.0	30 to 150	40							Young to Middle Age	Fair	Mixed group of self set trees around pond edge. No visible significant defects.		C ,2	Long
G705	Sycamore, Crack willow	5 to 20	0.5	50 to 600	40							Mixed Age	Fair	Group of unmanaged trees. Bramble and nettle understorey. Some broken and fallen stems and branches.		C ,2	Long
G706	Spaethii sycamore, Silver birch, Common hawthorn, Crack willow	4 to 10	0.0	20 to 180	50							Young to Middle Age	Fair	Scrubby group of self set trees. Bramble, nettle and currant understorey.		C ,2	Medium
G707	Goat willow, Crack willow, Rowan	6 to 10	0.5	150 to 400	6							Mixed Age	Fair	Trees in amongst chicken pens and allotments. Goat willow in poor condition.		C ,2	Medium
G708	Sycamore, Crack willow	5 to 20	0.5	50 to 600	40							Mixed Age	Fair	Group of unmanaged trees. Bramble and nettle understorey. Some broken and fallen stems and branches.		C ,2	Long
G709	Sycamore, Silver birch, Common apple, Wild cherry, Goat willow, Crack willow	5 to 20	0.5	50 to 600	80							Mixed Age	Fair	Group of unmanaged trees. Bramble and nettle understorey. Some broken and fallen stems and branches.		C ,2	Long
G710	Sycamore, Sweet chestnut, Common hazel, Common ash, Wild cherry, Rowan	3 to 20	2.5	50 to 700	50							Mixed Age	Fair	Mixed group along roadside, edge of larger group. Chestnuts have large deadwood.		B ,1, 2	Long
G711	Elder	3 to 5	0.0	30 to 100	15							Middle Age	Fair	Group along banks of ditch on field boundary.		C ,2	Medium
G712	Common alder, Elder	3 to 16	0.0	100 to 600	10							Middle Age	Fair	3 alder on bank of deep ditch on field boundary. Elder understorey.		B ,1, 2	Long
G713	Common hawthorn, Goat willow, Elder	1.2 to 5	0.0	30 to 130	500							Middle Age	Fair	Outgrown hedgerow. Some sections flailed.		C ,2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G714	Common hawthorn, Wild cherry, Pedunculate oak, Goat willow, Grey willow, Elder	3 to 16	0.0	30 to 550	50							Middle Age to Mature	Fair	Field boundary group on bank of brook. Oak has some deadwood.		B ,1, 2	Long
G715	Common hawthorn, Goat willow, Grey willow	4 to 9	0.0	50 to 400	20							Young to Middle Age	Fair	Group of self set trees on field edge. No visible significant defects.		C ,2	Long
G716	Common hawthorn, Elder	1 to 4	0.0	30 to 220	30							Middle Age to Mature	Fair	Scattered remnants of unmanaged field boundary hedgerow.		C ,2	Long
G717	Common hawthorn, Goat willow, Elder	1 to 4	0.0	30 to 220	30							Middle Age to Mature	Fair	Scattered remnants of unmanaged field boundary hedgerow.		C ,2	Long
G718	Common hawthorn, Grey willow	3 to 5	0.0	30 to 180	50							Young to Middle Age	Fair	Self set group on boundary of field alongside track.		C ,2	Long
G719	Common hawthorn, Grey willow, Elder	2 to 5	0.0	30 to 180	100							Young to Middle Age	Fair	Outgrown hedgerow on field boundary.		C ,2	Long
G720	Common alder, Silver birch, Common hawthorn, Goat willow, Elder	3 to 9	0.5	75 to 450	40							Young to Middle Age	Fair	Area of scrub and small trees. Very dense undergrowth and waterlogging prevents access. Some multistemmed forms. Larger willow next to track		C ,2	Long
G721	Crack willow	12 to 14	0.0	220 to 600	5							Middle Age to Mature	Mixed	Cluster of trees at edge of fields next to reasonably deep ditch. Some failed branches of willows typical of age and species. Leaning willow stems. Forms part of wider tree group. Inspection restricted by access.		B ,2, 3	Long
G722	Crack willow	2 to 6	1.5	50 to 280	4							Middle Age	Fair	Small cluster of trees on south side of ditch comprising of regrowth stems from failed / cut stools.		C ,2	Medium
G723	Common hawthorn, Elder	3 to 3	0.0	120 to 250	6							Middle Age	Fair	Small group of elder and hawthorn on north side of brick lined watercourse. Elder is moribund.		C ,2	Medium
G724	Common alder, Goat willow	3 to 10	0.5	75 to 350	40							Middle Age	Fair	Alders and willows around pond. Some multistemmed forms. Numerous failed stems. Dead wood throughout		B ,2, 3	Long
G725	Common hawthorn	3 to 4	0.0	50 to 150	15							Middle Age	Good	Small section of hawthorn forming understorey to larger boundary trees. Adjacent to and in ditch.		C ,2	Long
G726	Common alder	2 to 4	0.5	40 to 80	12							Young	Good	Small cluster of trees on northern bank of ditch.		C ,2	Long
G727	Common alder	3 to 13	0.5	75 to 400	25							Middle Age	Fair	Linear group of boundary trees along ditch. Some smaller hawthorn trees in understorey. Some failed branches. Landscape feature.		B ,2	Long
G728	Field maple, Italian alder	5 to 7	2.0	150 to 200	6							Middle Age	Good	5 field maple and 1 alder. Some epicormic growth around the bases and mid stems of the maples. Planted as avenue trees on grass bamk between path and road for amenity value.		B ,1	Long
G729	Common hawthorn, Common ash, Pedunculate oak	3 to 5	0.0	50 to 120	6							Young to Middle Age	Good	Small cluster of trees adjacent to pavement at corner of car park.		C ,2	Medium
G730	Common hawthorn, Common lime	3 to 6	1.5	120 to 200	11							Middle Age	Mixed	Mostly fair condition poor pruning on the Hawthorn, lime looks to be I'm good condition. Hawthorn heavily ivy clad.		C ,2	Medium
G731	Common hawthorn, Common ash, English holly, Pedunculate oak	3 to 7	0.0	75 to 160	20							Middle Age	Good	Edge of tree group between pavement and building. Ivy clad stems. Canopy edge near pavement cut back and managed.		C ,2	Long
G732	Common hazel, Common hawthorn, Elder, Elm species	3 to 4	0.0	40 to 250	50							Middle Age	Good	Lapsed hedge next to pavement managed and still somewhat cut back from path. Some larger stools in group.		C ,2	Long
G733	Norway maple, Common alder, Silver birch, Common hazel, Common hawthorn, Common ash, English holly, Scots pine, Pedunculate oak, Goat willow, Firethorn	3 to 17	0.0	75 to 410	150							Middle Age	Good	Screening boundary group around edge of unit. Tall skinny forms of many trees due to close spacing. Understorey overgrown slightly. Trees become smaller in diameter and much denser towards eastern end of group. Good screen.		B ,2	Long
G734	Common hawthorn, Willow species	3 to 5	0.0	50 to 120	30							Middle Age	Good	Linear boundary group on bund. Multi-stemmed forms.		C ,2	Medium
G735	Apple species, Elder	4 to 5	0.0	200 to 350	5							Middle Age to Mature	Fair	Apple has had one stem fail to the north at the base, mainly scrub, 2 larger trees along fence line.		C ,2	Medium
G736	Field maple, Common hazel, Common hawthorn, Privet species	3 to 4	0.0	60 to 160	10							Middle Age	Fair	Small cluster of trees on fence line. Maple stem in group gas snapped ava fried butvstill attached with live buds. Multi-stemmed forms.		C ,2	Medium
G737	Common ash, Pedunculate oak	6 to 9	2.0	300 to 350	3							Middle Age	Fair	Group of 3 rather stunted boundary trees. Unable to access. Easternmost tree has significant dieback with dead stems		C ,2	Medium
G738	Blackthorn, Goat willow	1.5 to 5	0.0	50 to 280	20							Young to Middle Age	Fair	Small scrubby trees on pond banks		C ,2	Medium

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G739	Sycamore, Common hazel, Common hawthorn, English holly, Pedunculate oak, Goat willow, Elder	2 to 11	0.5	75 to 380	50							Middle Age	Fair	Group of trees in and around pond. Mainly multistemmed forms. Failed stems. Dead wood throughout.		C ,2	Long
G740	Common ash, Pedunculate oak, Goat willow	4 to 9	0.5	100 to 350	10							Middle Age	Fair	Small group of trees around pond. Some multistemmed willows. Dead wood and broken branches throughout		C ,2	Long
G741	Common alder, Common hazel, Common hawthorn, Goat willow, Elder	3 to 10	0.5	75 to 300	40							Middle Age	Fair	Trees around pond. Tall alders and multistemmed willows. Failed trees. Dead wood throughout		B ,3	Long
G742	Common hazel, Elder	2 to 5	0.0	75 to 120	20							Middle Age	Fair	Multistemmed hazel along watercourse		C ,2	Long
G743	Common hazel, Common hawthorn, Willow species	3 to 4	2.0	60 to 170	5							Middle Age	Good	Group of trees at end of well maintained field boundary hedge. Multi-stemmed forms.		C ,2	Long
G744	Common alder, Common hazel, Pedunculate oak	2 to 13	0.5	75 to 550	5							Middle Age	Good	3 larger trees and 2 smaller understorey hazel within wet overgrown area. Lower canopies flailed. Moderate deadwood. Occasional moderate branch failures from larger trees.		B ,1, 2	Long
G745	Common hazel, Common hawthorn, English holly	2 to 6	0.0	50 to 200	30							Middle Age	Good	Linear group of understorey trees on southern ditch bank. Predominantly multi-stemmed hazel. Flailed.		C ,2, 3	Long
G747	Common hazel, Common hawthorn	1.5 to 1.5	0.3	140 to 280	3							Middle Age	Fair	Cluster of hazel and hawthorn at field edge adjacent to fence. Flailed heavily.		C ,2, 3	Medium
G748	Common hawthorn	1.5 to 2	0.3	120 to 230	3							Middle Age	Fair	Clusters of hawthorn at field edge adjacent to fence. Flailed heavily.		C ,2, 3	Medium
G749	Common hazel, Pedunculate oak, Goat willow	3 to 5	0.0	50 to 250	20							Middle Age	Good	Clusters of trees growing on bank or within ditch. Multi-stemmed forms predominantly.		C ,2	Long
G750	Pedunculate oak	2 to 6	0.5	75 to 130	7							Middle Age	Good	7 oak trees growing on ditch bank.		C ,1	Long
G751	Common hazel, Common hawthorn	2 to 3	0.0	60 to 120	6							Middle Age	Good	Sections of understorey trees on ditch banks. Those overhanging field fence gave been flailed.		C ,2	Long
G752	Sycamore, Common hawthorn, Pedunculate oak	2 to 4	0.0	40 to 200	5							Middle Age	Good	Clusters of predominantly oak and hawthorn on ditch bank. Multi-stemmed forms predominantly. Flailed.		C ,2	Long
G753	Sycamore, Lawson cypress, Common ash	7 to 9	1.0	120 to 300	7							Middle Age	Good	Small cluster of trees adjacent to road within hedge. Lower branches managed as part of hedge. Self-set sycamore with tall skinny forms. Included unions of cypress.		B ,2	Long
G754	Common hazel, Apple species, Common plum, Pin oak, Damson	1.5 to 4	0.3	50 to 100	50							Young to Middle Age	Good	Group of planted, predominantly fruit trees with stakes and tree ties still present on most. Many have a reasonable diameter, but are growing at angles and so do not meet the 1.5m height. Occasional stem or branch failure evident.		C ,1, 2	Long
G755	Common hazel, Common ash, Norway spruce, Wild cherry, Pedunculate oak, Dog rose	2 to 10	0.0	30 to 300	50							Middle Age	Good	Linear boundary group providing screening between fields. Fairly closely spaced with tall and narrow forms, particularly of ash. Pruned limbs to allow fencing installation. Most of group located beyond fence, few trees within field.		B ,2	Long
G756	Common hawthorn, Elder	2 to 3	0.0	60 to 100	5							Middle Age	Good	Small trees growing in ditch.		C ,1	Medium
G757	Hybrid black poplar	20 to 23	1.0	300 to 470	35							Middle Age	Good	Linear boundary poplar group of screening planting along M56. Typical tall and columnar forms. Pruning of occasional lower limbs. Occasional branch failures. Landscape feature.		B ,2	Long
G758	Silver birch, Lawson cypress, Common hawthorn, European larch, Hybrid black poplar, Elder, Gorse	3 to 8	0.0	50 to 200	200							Middle Age	Good	Linear boundary group forming understorey to larger poplar trees. Collectively forms screen from M56 as part of wider treescape on boundary.		C ,2	Long
G759	Lawson cypress	3 to 12	0.0	200 to 250	5							Middle Age	Mixed	Short linear screening group of cypress along fence line of telemast. 1 stem has been cut and felled but is still attached and lying on floor. Remaining trees appear in good condition.		B ,2	Medium
G760	Common ash, Scots pine, Pedunculate oak	5 to 12	1.0	200 to 370	5							Middle Age	Fair	3 pines, 1 ash and 1 oak on edge of field. Ash multistemmed and small. Pines tall and with high canopies. Dead wood in oak and pine		B ,2	Long
G761	English holly	4 to 4.5	0.2	50 to 120	11							Middle Age	Good	Small cluster of holly on ditch bank next to fence.		C ,2	Long
G762	Common alder, Hornbeam, Common hazel, Common hawthorn, Common beech, Wild cherry	2 to 4	0.3	40 to 180	15							Young to Middle Age	Good	Several trees along ditch bank next to fence line.		C ,1	Medium

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G763	Native black poplar	4 to 22	0.0	750 to 1060	6							Mature	Mixed	Group of native black poplar on field boundary. Smallest and shortest tree in group is a historically failed poplar stump with subsequent regrowth stems from stump. 5 large standing trees in group. Typical leaning growth forms. Characteristic waterlogged habitat surrounding group. Some previous branch failures of varying size leaving tearing sounds with associated decay. Good habitat value and significant landscape and arboricultural feature.		A ,1, 2, 3	Long
G764	Silver birch, Common hawthorn, Wild cherry, Turkey oak, Willow species	2 to 4	0.0	50 to 100	6							Young to Middle Age	Good	Several small trees growing along fence line near or under canopy of poplar group.		C ,1	Long
G765	Goat willow, Crack willow	4 to 6	0.0	75 to 350	25							Middle Age	Good	Clusters of trees around southern edge of pond. Multi-stemmed forms. Some failed branches as expected with species. Forming good and reasonably continuous screen around pond.		B ,2	Long
G766	Sycamore, Willow species, Elder	2 to 7	0.0	150 to 300	5							Middle Age	Mixed	Trees growing along field boundary. Trees in fair or good condition mostly, elder is dying back. Ivy growth on some stems.		C ,1, 2	Medium
G767	Common hawthorn	2 to 3	0.0	110 to 200	3							Middle Age	Mixed	Cluster of hawthorn in hedge. Either moribund or dead.		U	Very Short
G768	Common hawthorn	2 to 3	0.0	140 to 200	4							Middle Age	Fair	Cluster of hawthorn in hedge and at edge of field. Ivy clad.		C ,2	Very Short
G769	Norway maple, Sycamore, Wild cherry	9 to 15	2.0	390 to 630	7							Middle Age	Mixed	Clusters of trees along road within grass verge. 2 Norway maple, 1 cherry and 4 sycamore. Crown lifted previously. Most trees are multi-stemmed between 2m and 3m. Some included unions present. Northernmost sycamore (second tree down from north) is displaying some minor dieback in the canopy. Rest of trees are in good condition. Landscape feature.		B ,1, 2	Long
G772	Goat willow	2 to 5	0.5	40 to 130	25							Middle Age	Good	Linear group of willow at bottom of/on steep slope on edge of plateau. Multi-stemmed forms.		C ,2	Long
G773	Common hazel, Aspen, Goat willow	2 to 6	0.0	30 to 90	300							Young to Middle Age	Good	Group of predominantly very small diameter self-set poplar and willow. Occasional larger diameter trees up to 90mm DBH. Arisings from tree felling and plant cutting in group. Parts overgrown by bramble. On top of plateau next to picnic area.		C ,3	Medium
G774	Goat willow	3 to 4	0.0	120 to 200	8							Middle Age	Fair	Dense cluster of heavily flailed willow in ditch. Overgrown with ivy.		C ,2, 3	Medium
G775	Horse chestnut, Silver birch, Common hawthorn, Goat willow	3 to 12	0.5	120 to 380	23							Middle Age	Mixed	Linear group of trees along top of embankment next to brook. Screening boundary of High Legh riding school. Multi-stemmed forms. Predominantly in good condition, occasional dead small stem. Largely birch.		B ,2	Long
G776	Silver birch, Lawson cypress, Common hazel	5 to 10	1.0	180 to 300	25							Middle Age	Good	Dense cypress screen on boundary of riding school. Small amount of birch and hazel at southern end. Inspection restricted by access.		B ,2	Long
G777	Common alder, Pedunculate oak	4 to 11	1.0	200 to 550	25							Middle Age	Mixed	Linear group of trees on field boundary. Growing on ditch bank. Flailed lower branches. Some smaller trees in poor condition and form, but mostly in good condition. Landscape feature.		B ,1, 2	Long
G779	Field maple, Common alder, Silver birch, Common hawthorn, Leyland cypress, Common ash, Wild cherry, Cherry plum, Elder	2 to 20	1.0	50 to 400	800							Young to Middle Age	Mixed	Ash dominant plantation to north and south of power lines; Chalara ash dieback disease symptoms and bacterial cankers on ash; very limited access and inspection, northern compartment inaccessible.	Monitor condition of ash trees, particularly roadside and boundary trees where targets exist, to determine severity of Chalara disease and requirement for tree works to abate risk; inspection when ash trees in full leaf recommended within next 24 months; consider removal and replacement of ash throughout group.	B ,2	Long
G796	Sycamore, Common alder, Common hawthorn, Elder, Swedish whitebeam	3 to 12	0.0	50 to 500	100							Young to Middle Age	Fair	Roadside group. Bramble and elder understorey. No visible significant defects.		B ,2	Medium
G797	Common alder, Common hawthorn, Spruce species, White poplar, Pedunculate oak, Goat willow, Elder, Gorse	1.5 to 4	0.0	20 to 500	1000							Mixed Age	Fair	Mixed group of planted and self set trees and shrubs along roadside boundary fence. Some individual trees. Some have died, likely due to lack of maintenance, especially those planted on bund beside road.		C ,2, 3	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G798	Sycamore, Common hawthorn, Balsam poplar, Hybrid black poplar, White willow, Goat willow	4 to 25	0.5	75 to 400	1000							Middle Age	Fair	Shelter belt plantation. Hawthorn and bramble understorey.		B ,2	Medium
G799	Sycamore, Silver birch, Common hawthorn, Balsam poplar, Hybrid black poplar, Crack willow, Whitebeam	5 to 25	0.5	75 to 500	500							Young to Middle Age	Fair	Shelter belt planting. Elder and bramble understorey.		B ,2	Medium
G800	Sycamore, Silver birch, Common dogwood, Common hawthorn, Common ash, Hybrid black poplar, Wild cherry, Cherry laurel, Elder	4 to 20	0.0	75 to 500	1000							Young to Middle Age	Fair	Shelter belt planting. Many self set seedlings along roadside. Bramble understorey.		B ,2	Medium
G801	Sycamore, Italian alder, White poplar, Goat willow, Rowan	6 to 22	0.0	40 to 700	1000							Young to Middle Age	Fair	Shelter belt planting around works. Bramble understorey.		B ,2	Medium
G802	Sycamore, Italian alder, Common alder, Common hawthorn, White poplar, Goat willow, Crack willow, Elder, Rowan	6 to 22	0.0	40 to 700	2000							Young to Middle Age	Fair	Shelter belt planting around works. Bramble understorey.		B ,2	Medium
G803	White poplar	10 to 16	0.5	80 to 500	12							Young to Middle Age	Fair	Isolated group on edge of disused car park. Poor form. some deadwood.		C ,2	Medium
G804	Silver birch, Balsam poplar, Aspen, Goat willow, Crack willow, Swedish whitebeam	4 to 14	0.5	120 to 380	30							Young to Middle Age	Fair	Roadside linear group. No visible significant defects.		C ,2	Medium
G805	Sycamore, Common hawthorn, Balsam poplar, Hybrid black poplar, Wild cherry, Bird cherry, White willow, Crack willow, Elder	6 to 25	0.0	80 to 600	1000							Young to Middle Age	Fair	Shelter belt planting. Bramble understorey. Some fallen and leaning stems. Some self set younger trees.		B ,2	Long
G806	Sycamore, Common ash, Wild cherry, Bird cherry, Pedunculate oak	8 to 12	0.0	50 to 220	2000							Young to Middle Age	Fair	Shelter belt planting. Very densely planted.		C ,2	Medium
G807	Common alder, Silver birch, Balsam poplar, Crack willow, Elder	5 to 22	0.0	150 to 500	200							Young to Middle Age	Fair	Shelter belt group. Dense bramble understorey. Etiolated due to proximity to one another.		C ,2	Medium
G808	Common hawthorn, Crack willow	4 to 9	0.5	30 to 420	40							Young to Middle Age	Fair	Shelter belt group between road and footpath. Mostly multi stemmed. Larger trees have lost limbs/tops.		C ,2	Medium
G809	Common hawthorn, White poplar, Pedunculate oak, Goat willow, Elder	2 to 5	0.0	30 to 80	40							Young to Middle Age	Good	Group of young trees alongside footpath. Establishing well. Bramble around bases.		C ,2	Long
G810	Hornbeam, Pedunculate oak	2.5 to 4	0.5	40 to 80	18							Young	Good	Young trees at 5m intervals in young hedgerow. Establishing well. Beginning to be constricted by support ties.	Remove support ties	C ,2	Long
G811	Silver birch, Goat willow, Crack willow	2 to 4	0.0	10 to 50	200							Young	Good	Young trees on banks of wide water filled ditch. Appear to be self set. Many multi stemmed.		C ,2	Medium
G812	Butterfly bush species, Common hawthorn, Goat willow, Elder	1.5 to 5	0.0	30 to 80	200							Young	Fair	Group along edge of ditch. Self set young trees.		C ,2	Medium
G813	Silver birch, Common hawthorn, Crack willow, Elder, Whitebeam	5 to 17	0.0	100 to 400	11							Middle Age	Mixed	Larger willows, healthy with typical stem and limb failures; some potential habitat features; remaining trees smaller, of limited merit; limited access and inspection.		C ,1, 2	Medium
G814	Balsam poplar	20 to 23	5.0	250 to 800	30							Middle Age to Mature	Good	Striking group of large trees between vacant land north and access road south; limited access and inspection from south; understory willow and sycamore regeneration; occasional standing dead trees posing low risk; prominent arboricultural feature within locality.		A ,2	Long
G815	Sycamore, Elder	3 to 7	0.0	100 to 250	7							Middle Age	Mixed	Scattered self seeded trees of limited merit; previous management at roadside.		C ,1, 2	Long
G816	Common hawthorn, Balsam poplar, Hybrid black poplar, Goat willow, Crack willow	3 to 25	0.0	30 to 500	100							Young to Middle Age	Fair	Mixed group on ground that is currently waste ground. Bramble understorey. Some large trees but mostly self set young ones.		B ,2	Medium
G817	Sycamore, Common alder, White poplar, Elder	3 to 20	0.5	50 to 500	100							Young to Middle Age	Good	Shelter belt of poplar along southern edge of watercourse with regenerative sycamore and elder understory; limited access and inspection; numerous failed poplar limbs and localised deadwood; some poplar canopies dying back in places; trees posing low risk; some potential habitat features and some birds nests observed.		B ,2	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G818	Sycamore, White poplar, Balsam poplar, Crack willow	15 to 22	1.0	200 to 500	50							Middle Age	Mixed	Predominantly balsam poplar growing north of access road; willow and sycamore regeneration scattered throughout; occasional willows with poor vigour and extensive small diameter deadwood, low risk; willow stem and branch failures, typical of species; potential habitat features.		B ,2	Long
G819	Common alder, Common hawthorn, Blackthorn, Crack willow	4 to 8	0.0	30 to 80	15							Young	Fair	Group along ditch. No visible significant defects.		C ,2	Long
G820	Sycamore, Common alder, Butterfly bush species, Goat willow	4 to 7	0.5	50 to 100	70							Young to Middle Age	Mixed	Self seeded regenerative trees within area where vegetation is managed beneath HV powerlines; limited merit.		C ,2, 3	Long
G821	Sycamore, Hornbeam, Common hawthorn, Dog rose	2 to 7	0.0	20 to 80	250							Young to Middle Age	Fair	Outgrown hedgerow between car park and track. Some older sections. Not recently managed.		C ,2	Long
G822	Crack willow	6 to 8	1.0	100 to 200	10							Middle Age	Poor	Dead and declining trees; inaccessible, limited observations made through dense vegetation.		U	Very Short
G823	Common hawthorn, Elm species	12 to 18	0.0	180 to 450	20							Young to Middle Age	Mixed	Group of elm. Several already dead or with symptoms of Dutch elm disease. Only remnant of previously much larger group which has been removed. Ground level raised to south.		C ,2	Medium
G824	Silver birch, Butterfly bush species, Common ash, Elder	2 to 6	0.5	20 to 200	50							Young to Middle Age	Fair	Group of mainly young, self set trees. Last remnant of previously larger group.		C ,2	Medium
G825	Silver birch, Common hawthorn, Goat willow	3 to 9	0.5	50 to 250	1000							Young to Middle Age	Good	Long stretch of self seeded tree cover that has established atop made bund around periphery of vacant land area; trees providing developing natural canopy succession from larger trees beyond to north; greater collective value as grouped tree cover, but currently limited; potential to increase value and become moderate quality feature in short to medium term; group includes outgrown hawthorn hedgerow along eastern edge with field.		C ,2	Long
G826	Sycamore, Silver birch, Common hawthorn, Common ash, Elder, Small-leaved lime	3 to 20	0.5	30 to 600	30							Mixed Age	Mixed	Ashes collapsing. Symptoms of canker. Other trees no visible significant defects.		C ,2	Long
G827	Common hawthorn, Common ash, Hybrid black poplar, Crack willow, Elder	5 to 23	1.0	100 to 500	100							Middle Age	Mixed	Shelter belt of tall trees, prominent in locality; limited understory of hawthorn and elder; ash trees with bacterial canker, unable to assess for Chalara ash dieback disease.		B ,2	Long
G828	Common hawthorn	6 to 6	0.0	150 to 230	2							Middle Age	Good	Two small roadside trees within area of amenity grass on private land; limited inspection through boundary palisade fence.		C ,1, 2	Long
G829	Hybrid black poplar, Crack willow, Elder	14 to 24	0.5	200 to 500	100							Mixed Age	Fair	Group along boundary of drainage ditch. Some willows collapsed.		B ,2	Medium
G830	Silver birch, Hybrid black poplar, Goat willow	4 to 11	0.0	50 to 200	100							Young to Middle Age	Good	Retained tree cover along banks of Broad ditch which appears to have been dredged recently; tree removal apparent by comparison with aerial imagery; retained tree cover mapped approximately on Drawing 1; trees healthy but Subject to extensive ground d and root disturbance.	Monitor health, condition and structural stability of trees affected by ground excavations.	C ,2	Long
G831	Crack willow	10 to 16	0.0	120 to 480	4							Middle Age	Fair	Four trees, two multi stemmed. Two single stemmed. No visible significant defects.		B ,2	Medium
G832	Silver birch, Common hawthorn, Goat willow	4 to 8	0.0	130 to 600	10							Middle Age	Mixed	Scattered trees along ditch bank at road edge; some willow severely declining, largest with stem decay.	Fell declining and decaying willows.	C ,1, 2	Long
G833	Crack willow	10 to 12	1.0	200 to 420	30							Middle Age	Fair	Roadside group. Recent construction to the south likely to have affected roots. Epicormic growth around bases. Some medium deadwood. Bark damage and level changes around bases too.		C ,2	Medium
G834	Aspen, Crack willow	10 to 18	1.0	180 to 500	100							Mixed Age	Fair	Mixed group of roadside planting. Self set young aspen forming understorey in places.		B ,2	Medium
G835	Aspen, Crack willow	10 to 18	1.0	200 to 500	40							Mixed Age	Fair	Mixed group of roadside planting. Self set young aspen forming understorey in places. Ground level changed around bases. Some bark damage.		C ,2	Medium
G836	Common alder, Common hawthorn, Common ash, Goat willow	2 to 4	0.0	70 to 130	10							Young to Middle Age	Mixed	Scattered self seeded trees along edges of gravel access track; healthy other than a single dead ash tree; small trees of limited merit.		C ,1, 2, 3	Long
G837	Common hawthorn	2 to 5	1.0	100 to 250	4							Young to Middle Age	Good	Scattered scrubby trees in open pasture; likely remnant hedge stems; inaccessible.		C ,1, 2	Long
G838	Elm species	4 to 6	0.5	30 to 100	30							Young	Fair	Group of young trees planted alongside path.		C ,2	Medium

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G839	Common hawthorn, Aspen, Crack willow, Elm species	4 to 6	0.5	100 to 300	30							Middle Age	Fair	Group of trees retained at edge of prospective building site. Groundwork likely to have affected roots.		B ,2	Medium
G840	Common hawthorn	3 to 4	0.0	50 to 130	150							Middle Age	Good	Outgrown hedgerow dividing grazing land west from agricultural land east; hedge runs along western edge of former railway line.		C ,2	Long
G841	Common dogwood, Common hawthorn, Common ash	3 to 12	0.0	50 to 130	200							Young to Middle Age	Mixed	Belt of trees along field boundary and either side of ditch; becomes scattered trees to south and dominated by ash with Chalara ash dieback disease symptoms to north.		C ,1, 2	Long
G842	Balsam poplar	18 to 20	1.0	680 to 730	4							Middle Age	Good	Small collective of tall trees on overgrown land; deep ditch to north; healthy, prominent trees.		B ,1, 2	Long
G843	Balsam poplar	10 to 14	1.0	100 to 300	10							Middle Age	Good	Successional poplars, likely self seeded; healthy.		C ,2	Long
G844	Common hawthorn, Balsam poplar, Bird cherry, Elder	4 to 10	0.0	100 to 200	20							Middle Age	Mixed	Scattered understory trees and poplar regeneration; elder in decline or dead including failed trees.		C ,1, 2	Long
G845	Horse chestnut, Common ash	8 to 20	0.0	200 to 400	50							Middle Age	Mixed	Inaccessible stand of ash north of ditch; occasional chestnut self seeded within; chestnuts healthy, but small and limited in value; ash tall with small diameter deadwood throughout canopies; unable to assess for Chalara ash dieback disease symptoms.	Carry out Visual Tree Assessment of ash to determine presence of Chalara ash dieback disease.	B ,2	Medium
G846	Sycamore, Common hawthorn, Scots pine, Hybrid black poplar, Wild cherry, Crack willow, Elder	2 to 25	0.0	75 to 700	300							Young to Middle Age	Fair	Shelter belt planting. Mostly behind fence. Elder understorey.		B ,2	Long
G847	Sycamore, Common hawthorn, Common ash, Wild cherry, Elder	2 to 18	0.0	75 to 410	200							Young to Middle Age	Fair	Shelter belt planting. Elder and bramble understorey. Etiolated due to proximity to one another.		B ,2	Long
G849	Sycamore, Common hawthorn, Common ash, Aspen, Pedunculate oak	5 to 20	0.0	75 to 600	200							Mixed Age	Fair	Boundary group of mixed planting. Bramble around bases. Mixture of large trees and outgrown hedgerow.		B ,2	Long
G852	Common alder, Wych elm	10 to 15	1.0	100 to 400	70							Middle Age	Mixed	Very limited access and inspection.		C ,1, 2	Long
G855	White poplar, Crack willow	12 to 20	1.0	200 to 700	15							Middle Age	Mixed	Inaccessible trees; poplar with broken limbs and small diameter deadwood; willow larger and appears healthy.		B ,2	Long
G856	Common hawthorn	4 to 5	0.0	100 to 150	5							Middle Age	Good	Scattered trees along ditch line; limited access.		C ,1, 2	Long
G858	Field maple, Common alder, Common hawthorn, Common beech, Hybrid black poplar, Wild cherry, Goat willow, Elder, Rowan	5 to 14	1.0	75 to 420	500							Middle Age	Good	Plantation shelter belt south of ditch and screening industrial land to south; generally good health and condition, some trees displaying low vigour and decline; occasional broken branches; greater collective value as sizeable area of cohesive canopy.		B ,2	Long
G10000	Not surveyed in detail																
G10001	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G10031	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G10096	Not surveyed in detail																
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G10170	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G10171	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G10236	Not surveyed in detail																
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G10306	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G10307	Not surveyed in detail																
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G10370	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G10371	Not surveyed in detail																
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G10434	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
G10435	Not surveyed in detail																
Woodlands																	
W4	Sycamore, Common alder, Downy birch, Common hawthorn, Grey willow, Rowan	7 to 13	2.0	200 to 360	120							Mixed Age	Fair	Fringe of larger woodland compartment abutting access road. Trees in centre form closed canopy with trees on opposite side if road. Ground slopes steeply up from road.		B ,2, 3	Long
W5	Sycamore, Common hawthorn, Alder buckthorn, Common ash, Pedunculate oak, Elder	6 to 18	1.0	50 to 750	500							Mixed Age	Fair	Mixed deciduous woodland cover. Dense understorey in places. Multiple broken and snapped stems. Majority of ash are symptomatic of Ash dieback. Good habitat. Woodpecker holes		B ,1, 3	Long
W6	Field maple, Sycamore, Downy birch, Common ash, Wild cherry, Pedunculate oak, Wych elm	5 to 16	2.0	150 to 580	1000							Mixed Age	Mixed	Continuous tree cover running adjacent to access road and atop steep ground running down to the nature reserve. Trees at the Western end are smaller birch turning to larger oak and sycamore moving east. Some larger High quality individuals located on the far side of the bank but away from survey boundary. Numerus dead elm in hedgerow that abuts the road.		B ,1, 2, 3	Long
W7	Sycamore, Common alder, Silver birch, Common hazel, Common hawthorn, Alder buckthorn, Common ash, Pedunculate oak, Goat willow, Crack willow	8 to 20	2.0	50 to 800	2000							Mixed Age	Good	Mixed deciduous woodland belt forming continuous tree cover of a similar ilk. Mainly oak and willow but good diversity of understorey structure. Bird viewing and feeding points within. Slight long linear ditches to eastern end with reduced access. Ponds to Western end with occasional fallen oak trees. Excellent habitat throughout but dense ground flora of balsam and bramble in many areas		B ,2, 3	Long
W8	Common alder, Common hazel, Common hawthorn, Alder buckthorn, Wych elm	5 to 15	1.0	50 to 200	5000							Middle Age	Fair	Mainly very dense inner pockets of tall, narrow, densely planted common alder surrounded by belts of hawthorn, Hazel, elm and buckthorn. Some reduce vigour throughout, possibly due to density of planting and now out competing for light		C ,2, 3	Medium
W9	Common alder, Silver birch, Common ash, Bird cherry, Pedunculate oak, Grey willow, Elder	10 to 15	1.0	50 to 350	5000							Middle Age	Fair	Edge of wider area of woodland cover. Dense canopy cover with dense understorey in places. Small pockets of standing dead ash.		B ,2	Long
W10	Common alder, Silver birch, Common ash, Bird cherry, Pedunculate oak, Grey willow, Elder	10 to 15	1.0	50 to 350	1000							Middle Age	Fair	Edge of wider area of woodland cover. Dense canopy cover with dense understorey in places. Small pockets of standing dead ash.		B ,2	Long
W11	Common alder, Silver birch, Common ash, Bird cherry, Pedunculate oak, Grey willow, Elder	10 to 15	1.0	50 to 350	1000							Middle Age	Fair	Edge of wider area of woodland cover. Dense canopy cover with dense understorey in places. Small pockets of standing dead ash.		B ,2	Long
W12	Common alder, Silver birch, Common ash, Bird cherry, Pedunculate oak, Grey willow, Elder	10 to 15	1.0	50 to 400	10000							Middle Age	Fair	Edge of wider area of woodland cover. Dense canopy cover with dense understorey in places. Small pockets of standing dead ash.		B ,2	Long
W13	Common alder, Silver birch, Goat willow, Grey willow	4 to 8	1.0	50 to 180	200							Young to Middle Age	Fair	Fringe of wider wet woodland where it abuts stone access track. Typically very dense alder stems in South turning to larger willow and birch in north.		C ,2	Long
W14	Sycamore, Silver birch, Downy birch, Common dogwood, Common hazel, Common hawthorn, Common ash	7 to 16	1.5	100 to 750	10000							Middle Age	Good	Young woodland with developing age and condition structure. The interior is dominated by birch with larger Ash and sycamore punctuating the fringes. Bramble covers a large proportion if the woodland floor.		B ,1, 2, 3	Long
W15	Sycamore, Common alder, Silver birch, Downy birch, Common dogwood, Common hazel, Common hawthorn, Common ash, Pedunculate oak	6 to 16	1.5	100 to 850	10000							Mixed Age	Good	Young woodland with developing age and condition structure. The interior has pockets of, thin narrow alder with larger sycamore and oak throughout. Bramble and balsam covers a large proportion of the woodland floor.		B ,1, 2, 3	Long
W16	Sycamore, Common alder, Silver birch, Common hazel, Common hawthorn, Alder buckthorn, Common ash, Pedunculate oak, Goat willow, Crack willow	8 to 20	2.0	50 to 800	2500							Mixed Age	Good	Mixed deciduous woodland forming complex tree cover. Mainly oak and willow but good diversity of understorey structure and some very mature birch. Location of forest school. Excellent habitat.		A ,1, 2, 3	Long
W19	Sycamore, Common hazel, Common hawthorn, Common ash, Grey poplar, Pedunculate oak, Elder, Rowan	5 to 18	2.0	180 to 600	200							Mixed Age	Mixed	Small woodland copse associated with farmstead. Dominated by grey poplar, some if which gave snapped it collapsed creating valuable niche habitats. Young sycamore and owl providing successional canopy layer.		B ,1, 2, 3	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
W23	Sycamore, Downy birch, Pedunculate oak, Rhododendron species	6 to 18	3.0	300 to 700	250							Middle Age to Mature	Mixed	Predominantly birch and oak in the south turning to sycamore along the northern ridge where ground flora becomes more sparse. Wet central area containing a good deadwood resource and fungal colonies. Rhododendron present on lower Central slope. Isolated bamboo clump.	Rhododendron management.	A ,1, 2, 3	Long
W24	Sycamore, Common hazel, Common hawthorn, Common beech, Common ash, Pedunculate oak, Common lime	10 to 21	1.0	75 to 950	500							Mixed Age	Good	Row's Wood. Large belt of deciduous woodland in generally Good condition. Patches of bamboo! to South East. Mainly large, mature oak and beech along western edge and oak and sycamore on Eastern edge.		A ,1, 2	Long
W26	Silver birch, Common hazel, Common hawthorn, White poplar, Pedunculate oak	10 to 21	1.0	50 to 600	100							Mixed Age	Good	Smaller parts of two woodland segments either side of Red Brook. Generally good condition with some minor reduction in vigour. Good habitat.		B ,2, 3	Long
W27	Field maple, Common alder, Common dogwood, Common hazel, Common hawthorn, Common ash, Hybrid black poplar, Aspen, Wild cherry, Blackthorn, Pedunculate oak, White willow, Goat willow	3 to 20		75 to 600	1000							Middle Age	Mixed	Western edge of linear woodland belt. Desire line and pay to West of woodland. Parts overgrown by bramble. A large proportion of the larger trees are White willow. Dense understorey. Dense and closely spaced trees. Some ash dieback symptoms evident in ash trees. Collapsing willow trees and falling stems/limbs throughout, typical of willow species of this age. Some standing dead trees.	Bat tree 56	B ,2, 3	Long
W28	Silver birch, Goat willow	4 to 6	0.5	10 to 100	15000							Young	Fair	Very dense pioneer self set woodland scrub.		C ,2, 3	Medium
W29	Field maple, Sycamore, Grey alder, Silver birch, Dogwood species, Common hawthorn, Scots pine, Wild cherry, Crack willow	4 to 17		50 to 300	150							Middle Age	Mixed	Eastern edge of wider woodland group. Inspection restricted by access. Appears to be located on easterly slope. Dense understorey and closely spaced trees. Tall narrow forms.		B ,2	Long
W30	Sycamore, Grey alder, Silver birch, Dogwood species, Common hawthorn, Wild cherry, Goat willow	4 to 15		50 to 300	150							Middle Age	Mixed	Eastern edge of wider woodland group. Inspection restricted by access. Appears to be located on easterly slope. Dense understorey and closely spaced trees. Tall narrow forms.		B ,2	Long
W31	Field maple, Sycamore, Common alder, Silver birch, Common hawthorn, False acacia species, Crack willow, Elder	3 to 16	1.0	75 to 630	250							Mixed Age	Fair	Large area of woodland on slope. Signs of plantation with old tree guards and slightly unusual species mix. Understorey of small elder and hawthorn. Some standing dead trees. Some multistemmed forms. Bark wounds and decay in places. Dead wood throughout.		B ,2, 3	Long
W32	Sycamore, Common alder, Silver birch, Common hawthorn, Black locust, Goat willow, Crack willow, Elder	2.5 to 15	2.0	75 to 400	250							Young to Middle Age	Good	Area of establishing woodland on raised ground. Some understorey. Access restricted. Occasional standing dead and failed trees.		B ,2, 3	Long
W34	Common alder, Common hawthorn, Common ash, Pedunculate oak, Crack willow	4 to 16		75 to 650	400							Middle Age	Mixed	Woodland copse at edge of fields. Appears to be predominantly willow indicating wet ground conditions within woodland commensurate with that of adjacent fields conditions. Copse sits around and within ground hollow. Some larger collapsing trees around and closer to edge of copse, largely willow, typical of species and age, but also some previously failed ash trees. Inonotus hispidus on some ash trees. Habitat and landscape feature.		B ,2	Long
W36	Sycamore, Common alder, Common hazel, Common ash, English holly, Spruce species, Cherry species, Pedunculate oak	5 to 18	0.5	100 to 650	100							Mixed Age	Good	Mixed woodland in steep valley with stream at bottom. Ranges from new growth to hollow dead standing stems.		B ,2	Long
W38	Sycamore, Common alder, Common hawthorn, Scots pine, Sessile oak, Rhododendron species, Elder	5 to 20		100 to 600	1000							Young to Middle Age	Good	Compartment of mixed broadleaf woodland; dense rhododendron understorey with some gaps; no access, limited inspection from roadside north.		A ,2	Long
W39	Common alder, Silver birch, Downy birch, Common hazel, English holly, Pedunculate oak, Crack willow, Elder	2 to 14	0.5	75 to 860	250							Mixed Age	Good	Large woodland with good age and size structure. Primarily birch, oak and alder. Standing dead stems and some well decayed pieces. Open glades and rides. Some failed stems and broken branches. Good habitat		A ,1, 2, 3	Long
W40	Sycamore, Common alder, Common beech, English holly, Pedunculate oak, Rhododendron species, Yew	6 to 24		50 to 1000	1000							Mixed Age	Fair	Woodland of mixed age and size trees. Some areas clearly flood occasionally. Lots of fallen and standing deadwood. Rhododendron understorey. Lots of ivy on stems.		B ,2, 3	Long

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Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
W41	Sycamore, Silver birch, Common hazel, English holly, Pine species, Pedunculate oak	3 to 18		50 to 600	100							Mixed Age	Fair	Woodland with ponds. Some open areas. Hazel, Holly and bracken understorey. some standing deadwood.		B ,2, 3	Long
W42	Common alder, Silver birch, Common hawthorn, Common beech, English holly, Pedunculate oak, Rowan	2 to 12	1.0	75 to 660	120							Mixed Age	Good	Small woodland around pond. Mainly oak and alder with smaller holly and Hawthorn. Large standing dead beech with cavities and fungal fruiting bodies. Numerous cavities and hollowing on many trees. Dead wood throughout. Good habitat		A ,2, 3	Long
W44	Field maple, Sycamore, Horse chestnut, Common alder, Common hawthorn, Hybrid black poplar, Pedunculate oak, Rhododendron species, Goat willow, Yew, Small-leaved lime, Elm species	3 to 15		75 to 600	250							Middle Age	Mixed	Western edge of wider woodland compartment. Watercourse near edge that is heavily flooded. Ivy clad stems. Rhododendron understorey. Significant landscape, arboricultural and habitat feature. Inspection restricted by access and flooding.		B ,2, 3	Long
W45	Common beech, English holly, Pedunculate oak, Rhododendron species	2 to 17		75 to 700	25							Middle Age to Mature	Good	Small western edge of much wider woodland compartment. Open understorey with patches of holly and rhododendron. Some larger mature specimens interspersed with middle aged trees. Part of significant landscape feature.		A ,1, 2	Long
W46	Silver birch, Common ash, Scots pine, Pedunculate oak, Rhododendron species, Elder	2 to 18		75 to 750	100							Middle Age to Mature	Mixed	Northern end of much wider woodland compartment. Reasonably open understorey. Some larger mature specimens interspersed with many middle aged trees. Trees have tall spindly forms. Some failed stems and branches as expected in this type of habitat. Part of significant landscape feature.		B ,2, 3	Long
W10000	Not surveyed in detail																
W10001	Not surveyed in detail																
W10002	Not surveyed in detail																
W10003	Not surveyed in detail																
W10004	Not surveyed in detail																
W10005	Not surveyed in detail																
W10006	Not surveyed in detail																
W10007	Not surveyed in detail																
W10008	Not surveyed in detail																
W10009	Not surveyed in detail																
W10011	Not surveyed in detail																
W10013	Not surveyed in detail																
W10014	Not surveyed in detail																
W10015	Not surveyed in detail																
W10016	Not surveyed in detail																
W10017	Not surveyed in detail																
Hedges																	
H1	Sycamore, Common hawthorn	2 to 2.5		75 to 110	n/a							Mature	Good	Well established hedge. Signs of regular management.		n/a	Long
H8	Field maple, Common hazel, Common hawthorn, Bird cherry, Wych elm, Damson	2.5 to 3.5		50 to 160	n/a							Middle Age	Fair	Roadside hedge maintained on one side only. Contains numerous dead elm to 8m in height.		n/a	Long
H9	Common hazel, Common hawthorn	1.5 to 2.5		20 to 60	n/a							Middle Age	Good	Roadside hedge maintained at 2m height. Predominantly hawthorn.		n/a	Long
H10	Common hawthorn, Goat willow	1.5 to 3		20 to 60	n/a							Middle Age	Good	Roadside hedge maintained at between 1m and 2m height. Predominantly hawthorn.		n/a	Long
H11	Common hawthorn	4 to 5	1.5	50 to 80	n/a							Middle Age	Fair	Planted hedgerow containing several small trees. Evidence of past management but no recent cutting.		n/a	Long
H13	Common hawthorn	2.5 to 3		30 to 60	n/a							Middle Age	Good	Continuous well maintained hedge.		n/a	Long
H14	Common hawthorn	2 to 2.5	0.5	25 to 100	n/a							Middle Age	Good	Well maintained field boundary hedge		n/a	Long
H16	Common hawthorn	2 to 2		30 to 60	n/a							Middle Age	Good	Continuous well maintained hedge.		n/a	Long
H17	Common hawthorn	1.5 to 2		30 to 60	n/a							Middle Age	Good	Well maintained hedge containing small gaps. Inspected from distance due to access.		n/a	Long
H18	Common hawthorn	1.5 to 1.5		50 to 75	n/a							Middle Age	Good	Well maintained field boundary hedge		n/a	Long
H19	Common hawthorn	1.5 to 1.5		50 to 90	n/a							Middle Age	Good	Well managed hedgerow. Recently flailed		n/a	Long
H21	Common hawthorn, Pedunculate oak, Elder	2 to 2.5		50 to 100	n/a							Middle Age	Good	Well managed hedgerow. Broad and with some large stems.		n/a	Long
H22	Common hazel, Common hawthorn, Blackthorn	2 to 2		50 to 80	n/a							Middle Age	Good	Managed hedgerow although slightly outgrown at the moment. Signs of being a double row in past.		n/a	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H23	Common hawthorn, Elder	1.5 to 1.5	0.5	50 to 80	n/a							Middle Age	Good	Well managed boundary hedge. Occasional small gaps. Some old laid forms.		n/a	Long
H24	Common hawthorn, Elder	1.5 to 2	0.5	50 to 100	n/a							Middle Age	Good	Well managed boundary hedge. Some old laid forms.		n/a	Long
H25	Common hazel, Common hawthorn, Field elm	1 to 2		50 to 100	n/a							Middle Age	Good	Section of wider roadside hedgerow containing trees; predominantly hawthorn; elm with yellowing foliage, symptomatic of Dutch elm disease.		n/a	Long
H26	Common hawthorn, Pedunculate oak	1 to 2		50 to 100	n/a							Middle Age	Good	Managed roadside hedge either side of field access gate.		n/a	Long
H31	Common hawthorn	3 to 4		30 to 75	n/a							Middle Age	Good	Intact hedge maintained on field side only.		n/a	Long
H32	Common hawthorn	2 to 3.5		40 to 80	n/a							Middle Age	Good	Reasonably intact hedge contain several small gaps less than 1m wide. Maintained on road side only.		n/a	Long
H33	Sycamore, Common hawthorn	1.5 to 1.5		50 to 130	n/a							Mature	Good	Maintained boundary hedge adjacent to road and pavement.		n/a	Long
H34	Common hawthorn, Blackthorn	1.5 to 2	0.5	25 to 100	n/a							Middle Age	Good	Well maintained field boundary hedge		n/a	Long
H35	Common hazel, Common hawthorn, Blackthorn, Pedunculate oak	0.5 to 1.5		10 to 40	n/a							Young	Fair	C.4 year old hedge planted as part of former quarry restoration.		n/a	Long
H36	Common hawthorn	1.5 to 1.5		50 to 110	n/a							Mature	Good	Maintained boundary hedge adjacent to road.		n/a	Long
H37	Common hawthorn	1.5 to 1.5		50 to 110	n/a							Mature	Good	Maintained boundary hedge adjacent to road on either side of access gate.		n/a	Long
H39	Common hawthorn	1 to 1.5	0.5	10 to 75	n/a							Middle Age	Fair	Remnant hedgerow, now just two small sections		n/a	Medium
H40	Common hazel, Common hawthorn	1.5 to 4		50 to 120	n/a							Mature	Good	Field boundary hedge adjacent to small country road. Lapsing in few places around telegraph and electricity poles in hedge but otherwise maintained. Hedge located on slight raised bund in parts.		n/a	Long
H44	Common hazel, Common hawthorn	1.5 to 1.5		50 to 120	n/a							Mature	Good	Maintained boundary hedge with some gaps adjacent to road. Some parts overgrown by bindweed.		n/a	Long
H47	English holly	1.6 to 1.6		50 to 70	n/a							Middle Age	Good	Very short stretch of hedge on field boundary.		n/a	Medium
H48	Common hawthorn	2 to 2		50 to 120	n/a							Mature	Good	Maintained field boundary hedge.		n/a	Long
H49	Dogwood species, Common hawthorn, Common beech, Common ash, Crack willow	1.5 to 3		50 to 250	n/a							Middle Age	Fair	Field boundary hedge including some trees from adjacent group that have been flailed heavily to form part off hedge, including some larger basally multi-stemmed willows.		n/a	Medium
H50	Common hawthorn, Elder	2 to 3		50 to 110	n/a							Mature	Good	Field boundary hedge. Occasional parts are lapsing around telegraph poles within hedge, but largely maintained otherwise.		n/a	Long
H52	Common hawthorn, Wych elm	2 to 3		20 to 50	n/a							Middle Age	Good	Intact maintained hedgerow.		n/a	Long
H53	Common hawthorn, English holly	2 to 2		50 to 200	n/a							Mature	Good	Maintained field boundary hedge with some small gaps.		n/a	Long
H54	Common hawthorn	1.5 to 2		20 to 50	n/a							Middle Age	Good	Intact maintained hedgerow.		n/a	Long
H55	Common hawthorn	1 to 1.5	0.5	50 to 150	n/a							Middle Age	Good	Well maintained field boundary hedge		n/a	Long
H56	Common hawthorn	1 to 1.5	0.5	50 to 150	n/a							Middle Age	Good	Well maintained field boundary hedge		n/a	Long
H57	Common hawthorn, Elder	1.5 to 2		50 to 120	n/a							Mature	Good	Maintained field boundary hedge adjacent to road with some gaps.		n/a	Long
H58	Common hawthorn, Elder	1.5 to 2		20 to 60	n/a							Middle Age	Good	Well maintained intact hedge.		n/a	Long
H59	Common hawthorn	0.5 to 1		50 to 100	n/a							Middle Age	Good	Recently flailed well maintained field boundary hedge		n/a	Long
H60	Common hazel, Common hawthorn	1.5 to 4.5		20 to 70	n/a							Middle Age	Good	Largely intact hedge containing several small gaps. The majority is cut on the sides but not the top.		n/a	Long
H61	Common hawthorn, Elder	2.5 to 3		50 to 110	n/a							Middle Age	Good	Largely intact hedge. Predominantly hawthorn.		n/a	Long
H62	Common hawthorn	0.5 to 1		50 to 100	n/a							Middle Age	Good	Recently flailed well maintained field boundary hedge with some gaps.		n/a	Long
H63	Sycamore, Common hawthorn, Ash species, Blackthorn, Elder, Common lime	1.5 to 2		50 to 300	n/a							Mature	Good	Maintained field boundary hedge adjacent to road with some gaps. Some larger stumps in group with subsequent regrowth stems flailed as part of hedge.		n/a	Long
H64	Common hawthorn	0.5 to 1		50 to 150	n/a							Middle Age	Good	Recently flailed well maintained field boundary hedge with some gaps.		n/a	Long
H67	Common hawthorn	1 to 1.5	0.5	75 to 140	n/a							Middle Age	Good	Well maintained field and roadside boundary hedge.		n/a	Long
H68	Common hawthorn	1.5 to 2.5	0.5	50 to 150	n/a							Middle Age	Good	Well maintained field boundary hedgerow with occasional gap to western end.		n/a	Long
H69	Common hawthorn	1.5 to 2	0.5	50 to 100	n/a							Middle Age	Good	Well maintained field and roadside boundary hedgerow.		n/a	Long
H70	Sycamore, Common hawthorn, Blackthorn	2 to 5		60 to 140	n/a							Middle Age to Mature	Fair	Largely intact hedge but not stockproof. Managed on sides only, with some trees beginning to grow-out.		n/a	Long
H71	Common hawthorn, Blackthorn, Elder	2 to 4		60 to 220	n/a							Middle Age to Mature	Fair	Largely intact hedge but not stockproof. Managed on South side only, with some trees beginning to grow-out. Merges into hawthorn/blackthorn thicket at both ends.		n/a	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H72	Common hawthorn	1.5 to 2		50 to 80	n/a							Middle Age	Fair	Largely intact, well maintained hedge containing several small gaps.		n/a	Long
H73	Common hawthorn	1.5 to 2	0.5	50 to 80	n/a							Middle Age	Poor	Very fragmented hedge but all trees still maintained on all sides.		n/a	Medium
H74	Common hawthorn	1.5 to 2		50 to 80	n/a							Middle Age	Fair	Largely intact, well maintained hedge containing several small gaps.		n/a	Long
H75	Common hawthorn	1 to 1.5		60 to 250	n/a							Middle Age to Mature	Fair	Fragmented hedge remnants. Western arm is created from larger trees that have been topped at 1m and regrowth now managed as a hedge.		n/a	Long
H76	Common hawthorn	2 to 3	0.5	60 to 100	n/a							Middle Age	Good	Largely intact hedge maintained on sides but not the top.		n/a	Long
H77	Leyland cypress, Garden privet, Firethorn	1.5 to 2.5		20 to 70	n/a							Middle Age	Fair	Maintained garden boundary hedge along several properties.		n/a	Long
H78	Common hawthorn, Wych elm	1.5 to 2.5		40 to 110	n/a							Middle Age	Good	Well maintained intact roadside hedge.	Extend	n/a	Long
H79	Common hawthorn	1 to 1.5		40 to 100	n/a							Middle Age	Good	Well maintained intact roadside hedge.	Extend	n/a	Long
H80	Common hawthorn	1 to 1.5		40 to 100	n/a							Middle Age	Good	Well maintained intact roadside hedge.		n/a	Long
H81	Common hawthorn	1 to 1		40 to 90	n/a							Middle Age	Fair	Largely intact hedge containing several small gaps.		n/a	Long
H82	Common hawthorn	1 to 1.5		40 to 80	n/a							Middle Age	Fair	Well maintained intact hedge.		n/a	Long
H83	Common hawthorn, Blackthorn	1.5 to 4		30 to 110	n/a							Middle Age	Poor	Fragmented remnants of firmer hedgerow. Managed by flailing causing considerable damage to larger trees.		n/a	Long
H84	Common hawthorn	2 to 3		50 to 120	n/a							Mature	Fair	Well maintained intact hedge. Decay visible in some of the older stems.		n/a	Long
H85	Common hawthorn, Elder	2 to 3.5		40 to 100	n/a							Middle Age	Fair	Largely intact hedge containing several small gaps.		n/a	Long
H86	Common hawthorn, English holly, Elder	1.5 to 2.5		30 to 90	n/a							Middle Age	Fair	Largely intact maintained hedge. Bramble throughout.		n/a	Long
H87	Common hawthorn	1.5 to 2		30 to 90	n/a							Middle Age	Fair	Largely intact maintained hedge. Evidence of former laying.		n/a	Long
H88	Common hawthorn	1.5 to 3		30 to 80	n/a							Middle Age	Good	Well maintained garden boundary hedge.		n/a	Long
H89	Common hawthorn	1.5 to 2.5		30 to 90	n/a							Middle Age	Fair	Largely intact maintained hedge.		n/a	Long
H90	Common hazel, Garden privet	2.5 to 3		50 to 70	n/a							Middle Age	Fair	Significantly lapsing hedge around brownfield site.		n/a	Medium
H91	Common beech	2.5 to 3		50 to 120	n/a							Middle Age	Fair	Significantly lapsing hedge around brownfield site adjacent to pavement.		n/a	Medium
H92	Common hawthorn	3 to 3	0.5	25 to 150	n/a							Middle Age	Good	Field boundary hedge. Well maintained sides.		n/a	Long
H93	Common hawthorn	2 to 2	0.5	25 to 150	n/a							Middle Age	Good	Well maintained field boundary hedge.		n/a	Long
H94	Common hawthorn	1.5 to 2.5	0.5	25 to 100	n/a							Young to Middle Age	Fair	Hedgerow boundary with some minor gaps and younger infill planting.		n/a	Long
H95	Common hawthorn	2 to 3	0.5	50 to 90	n/a							Middle Age	Good	Largely intact roadside hedge. Well maintained.		n/a	Long
H96	Common hawthorn	1.5 to 2	0.5	50 to 90	n/a							Middle Age	Good	Largely intact hedge. Well maintained.		n/a	Long
H97	Common hazel, Common hawthorn	2 to 3		40 to 70	n/a							Middle Age	Fair	Short section of shrubs managed as hedgerow going on south side of Brook Bank. Hazel to East turning to hawthorn to West.		n/a	Long
H98	Common hawthorn, Elder	1.5 to 2		50 to 110	n/a							Mature	Fair	Field boundary hedge adjacent to track. Inspection restricted by access. Appears to be some gaps.		n/a	Medium
H99	Field maple, Common hazel, Common hawthorn, Cultivated currant	2 to 3		20 to 60	n/a							Young to Middle Age	Good	Maturing hedge, spiral guards still in place. Maintained on sides but big top.		n/a	Long
H100	Leyland cypress	3 to 3	0.3	70 to 100	n/a							Middle Age	Good	Well maintained hedge, very minor gaps.		n/a	Long
H101	Field maple, Common hawthorn, Damson	2.5 to 3		40 to 100	n/a							Middle Age	Good	Well maintained hedge, very minor gaps.		n/a	Long
H102	Common hawthorn	2.5 to 3		40 to 100	n/a							Middle Age	Good	Well maintained hedge, very minor gaps.		n/a	Long
H103	Common hawthorn	2 to 2		40 to 100	n/a							Middle Age	Good	Well maintained hedge roadside hedge.		n/a	Long
H104	Common hawthorn	2 to 2.5		40 to 110	n/a							Middle Age	Good	Well maintained hedge roadside hedge.		n/a	Long
H105	Common hawthorn	2 to 2		40 to 100	n/a							Middle Age	Good	Well maintained field boundary hedge.		n/a	Long
H106	Common hawthorn	1 to 1.5		30 to 60	n/a							Middle Age	Good	Well maintained hedge.		n/a	Long
H107	Common hawthorn	2 to 2		50 to 110	n/a							Mature	Good	Maintained field boundary hedge adjacent to road.		n/a	Long
H108	Common hawthorn	2 to 3		50 to 130	n/a							Mature	Good	Maintained field boundary hedge adjacent to road. Small amount lapsing adjacent to lamppost.		n/a	Long
H109	Common hawthorn, Elder	3.5 to 4		50 to 150	n/a							Mature	Good	Maintained field boundary hedge.		n/a	Long
H110	Common hawthorn, Elder	2 to 2		50 to 150	n/a							Mature	Good	Maintained field boundary hedge.		n/a	Long
H111	Sycamore, Common hawthorn	1.5 to 1.5		50 to 130	n/a							Mature	Good	Well maintained field boundary hedge.		n/a	Long
H112	Sycamore, Common hazel, Common hawthorn, English holly	1.5 to 1.5		50 to 110	n/a							Mature	Good	Maintained field boundary hedge with some gaps.		n/a	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H113	Sycamore, Common hawthorn	1.5 to 1.5		50 to 110	n/a							Mature	Good	Maintained field boundary hedge.		n/a	Long
H114	Sycamore, Common hawthorn	1.5 to 1.5		50 to 110	n/a							Mature	Good	Maintained field boundary hedge. Some parts overgrown with bracken.		n/a	Long
H115	Common hawthorn, English holly, Elder	1.5 to 2		50 to 150	n/a							Mature	Good	Maintained field boundary hedge.		n/a	Long
H116	Sycamore	1.5 to 2		75 to 250	n/a							Middle Age	Good	Short stretch of topped sycamore trees that are being managed as a hedge.		n/a	Long
H117	Sycamore, Common hawthorn	1.5 to 1.5		75 to 110	n/a							Mature	Fair	Short stretches of hedge along field boundary at top of roadside bank.		n/a	Medium
H118	Common hawthorn, Elder	1.5 to 1.5		75 to 110	n/a							Mature	Fair	2 short stretches of hedge along field boundary.		n/a	Medium
H119	Common hawthorn, Pedunculate oak	2 to 2.5	0.5	50 to 140	n/a							Middle Age	Fair	Outgrown hedgerow. Some large stems.		n/a	Long
H120	Common hawthorn	1.5 to 1.5		75 to 110	n/a							Mature	Fair	2 short stretches of hedge along field boundaries. Southernmost compartment adjacent to ditch.		n/a	Medium
H121	Common hawthorn, Common ash, Elder	1.5 to 2		50 to 250	n/a							Mature	Good	Well maintained field boundary hedge.		n/a	Long
H122	Sycamore, Common hazel, Common hawthorn, Elder, Wych elm	1.5 to 2		50 to 250	n/a							Mature	Fair	Field boundary hedge.		n/a	Long
H123	English elm	3 to 4		50 to 90	n/a							Middle Age	Good	Largely intact well maintained hedge. Ivy throughout.		n/a	Long
H124	Common hazel, Common hawthorn, Blackthorn	2 to 2		58 to 80	n/a							Middle Age	Fair	Double hedge planted either side of shallow drainage ditch. Contains several small gaps.		n/a	Long
H125	Common hawthorn	1 to 3		60 to 120	n/a							Mature	Poor	Scattered remnants of former hedgerow. The majority are still cut on the sides but not the top.		n/a	Medium
H126	Blackthorn	1.5 to 2		30 to 60	n/a							Middle Age	Fair	Fragmented but maintained hedge.		n/a	Long
H127	Common hawthorn	2 to 3.5		60 to 100	n/a							Middle Age	Good	Well established roadside hedgerow. Somewhat outgrown in places.		n/a	Long
H130	Common hawthorn, Blackthorn	2 to 2.5		50 to 170	n/a							Mature	Good	Slightly outgrown field boundary hedge with some small gaps.		n/a	Long
H131	Common hawthorn	1.5 to 1.5		50 to 120	n/a							Mature	Good	Maintained field boundary hedge at edge of boundary group.		n/a	Long
H133	Common hawthorn	1 to 1.5	0.5	50 to 110	n/a							Middle Age	Fair	Typical agricultural field boundary hedgerow; recently flailed; possible animal hide at base.		n/a	Long
H134	Common hawthorn	1.5 to 2		50 to 100	n/a							Middle Age	Good	Field boundary hedge along edge of tree belt.		n/a	Long
H135	Common hawthorn	1 to 1.5	0.5	50 to 100	n/a							Middle Age	Fair	Fragmented field boundary hedgerow; managed with flail.		n/a	Long
H136	Common hawthorn	1 to 1.5	0.5	50 to 100	n/a							Middle Age	Fair	Fragmented field boundary hedgerow; managed with flail.		n/a	Long
H137	Common hawthorn	1 to 1		50 to 100	n/a							Middle Age	Fair	Typical agricultural hedgerow; heavily flailed.		n/a	Long
H138	Common hawthorn, Elder	1 to 2		50 to 100	n/a							Middle Age	Good	Agricultural field boundary hedge.		n/a	Long
H139	Common hawthorn	1.5 to 2		50 to 120	n/a							Mature	Good	2 short stretches of hedge adjacent to pavement and road.		n/a	Medium
H140	Common hawthorn	2 to 5		75 to 200	n/a							Mature	Good	Roadside hedge that is largely maintained, although home parts are lapsing in height, but not width.		n/a	Long
H141	Common hawthorn	2.5 to 4		75 to 180	n/a							Mature	Good	Maintained roadside hedge that had 1 small lapsing section around other trees.		n/a	Long
H142	Common hawthorn	2 to 2		75 to 150	n/a							Mature	Good	End of well maintained roadside hedge.		n/a	Long
H143	Common hawthorn	2 to 2		75 to 150	n/a							Mature	Good	End of well maintained roadside hedge.		n/a	Long
H144	Common hawthorn	2 to 2		75 to 150	n/a							Mature	Good	End of maintained field boundary hedge.		n/a	Long
H145	Common hawthorn, Common ash	2 to 4		50 to 150	n/a							Mature	Good	Field boundary hedge adjacent to canal path. All maintained with exception of small section at western end which is starting to lapse.		n/a	Long
H146	Common hawthorn, English holly, Elder	1.5 to 1.5		50 to 140	n/a							Mature	Good	Maintained field boundary hedge.		n/a	Long
H147	Common hawthorn	3 to 3		50 to 100	n/a							Mature	Good	Maintained field boundary hedge adjacent to canal path. Previously maintained at c. 1.3m height, but allow to lapse and now maintained at c. 3m height.		n/a	Long
H148	Common hawthorn, Leyland cypress	2 to 2		50 to 120	n/a							Mature	Good	Maintained field boundary hedge with some gaps adjacent to PRoW. Entirely hawthorn with exception of a very small section of cypress towards northern end of hedge.		n/a	Long
H149	Common hawthorn, Elder	2 to 2		50 to 120	n/a							Mature	Fair	Small sections of fairly maintained here adjacent to canal path.		n/a	Medium
H150	Common hawthorn, Elder	3 to 5		50 to 180	n/a							Mature	Good	Outgrown hedge located on field boundary immediately adjacent to canal path.		n/a	Long
H151	Common hawthorn	2 to 2		50 to 180	n/a							Mature	Good	Maintained hedge located on field boundary immediately adjacent to track.		n/a	Long
H152	Common hawthorn	2 to 2		50 to 140	n/a							Mature	Good	Part of maintained field boundary hedge.		n/a	Long

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H155	Common hawthorn	1 to 1.5		50 to 200	n/a							Middle Age to Mature	Fair	Typical field boundary hedge; flailed heavily; many larger stems indicating longstanding feature; component of wider network of connected field boundary hedges.		n/a	Long
H158	Common hawthorn, Elder	3 to 3		50 to 200	n/a							Middle Age to Mature	Fair	Portion of managed hedgerow demarcating field boundary along farm track; many larger stems indicating longstanding standing feature; managed with flail to 3m; amenity and landscape value.		n/a	Long
H159	Common hawthorn, Blackthorn, Dog rose, Wych elm	2 to 4		50 to 120	n/a							Young to Middle Age	Good	Outgrown hedge dividing field parcels; planted along ditch line, all stems on western side; some areas bushy and in good health, others less outgrown and scattered in places with gaps.		n/a	Long
H160	Common hazel, Common hawthorn, Blackthorn, Elder	2 to 4		50 to 100	n/a							Middle Age	Good	Previously managed now outgrown hedgerow; vigorous.		n/a	Long
H161	Common hawthorn	3 to 6		50 to 200	n/a							Middle Age to Mature	Good	Outgrown hedgerow around boundary with private land; previously managed at 2m; dense screening feature; occasional larger elder stems, dead.		n/a	Long
H162	Common hawthorn, Blackthorn	3 to 5		50 to 100	n/a							Middle Age	Good	Outgrown hedgerow.		n/a	Long
H163	Common hawthorn	1 to 1.5		15 to 100	n/a							Middle Age to Mature	Good	Field boundary hedge on slight embankment. Well managed. Doesn't appear to have been laid in the past.		n/a	Long
H164	Common hawthorn	1 to 1.5		15 to 80	n/a							Middle Age to Mature	Good	Well managed field boundary hedge. Laid in past. Ivy in some sections.		n/a	Long
H165	Common hawthorn	0.5 to 1.5		20 to 100	n/a							Mature	Fair	Field boundary hedge. Slightly patchy. Some ivy and bramble. Fairly regularly managed. Has been previously laid.		n/a	Long
H166	Common hawthorn, Blackthorn, Dog rose	1.5 to 3.5		30 to 150	n/a							Middle Age to Mature	Good	Field boundary hedge. Not recently trimmed. Slight ditch on East Side, looks wet.		n/a	Long
H167	Common hawthorn, Blackthorn	1 to 3.5		20 to 100	n/a							Mature	Fair	Field boundary hedge. Not recently managed. Previously laid.		n/a	Long
H171	Common hawthorn	1 to 3		20 to 150	n/a							Mature	Fair	Remnants of lapsed hedgerow. Unmanaged except for browsing by wildlife.		n/a	Long
H173	Common hawthorn	1.5 to 3		30 to 100	n/a							Mature	Fair	Leggy hawthorn hedge. Not recently managed. May have been laid historically. Wet ditch to south.		n/a	Long
H174	Common hawthorn	1.5 to 3.5		30 to 120	n/a							Mature	Fair	Overgrown hedgerow. Possibly laid in the past. Wet ditch to south.		n/a	Long
H175	Common alder, Common hawthorn, Dog rose	2 to 6		10 to 140	n/a							Mature	Fair	Overgrown hedgerow which hasn't been recently managed. Appears to have been historically laid.		n/a	Long
H177	Common hawthorn, Elder	1.5 to 2.5		20 to 150	n/a							Middle Age	Good	Managed field boundary hedgerow along roadside. Regularly flailed.		n/a	Long
H179	Common hawthorn	2 to 3		20 to 120	n/a							Middle Age	Fair	Some sections of hedgerow recently removed. Remainder overgrown with bramble. Regularly flailed.		n/a	Medium
H183	Leyland cypress	2 to 3.5		120 to 250	n/a							Middle Age	Fair	Conifer hedge hasn't been recently pruned on the sides. Has had top removed recently.		n/a	Medium
H184	Common hawthorn	1 to 4		50 to 150	n/a							Mature	Fair	Managed boundary hedgerow. Has been laid in the past.		n/a	Long
H185	Common hawthorn	0.75 to 1.5		20 to 100	n/a							Middle Age	Good	Field boundary hedge. Regularly flailed.		n/a	Long
H186	Common hawthorn, Leyland cypress, English holly, Elder	1 to 6		20 to 180	n/a							Middle Age to Mature	Fair	Field boundary hedge along driveway. Irregularly maintained. Leylandii grown tall to hide base of pylon.		n/a	Long
H187	Common hawthorn	1.5 to 1.5		50 to 200	n/a							Middle Age to Mature	Fair	Hedgerow sections either side of field access; managed with flail.		n/a	Long
H193	Sycamore, Common hawthorn	1.5 to 2.5		40 to 120	n/a							Middle Age	Fair	Remnants of field boundary hedge. Regularly flailed.		n/a	Long
H194	Sycamore, Common hawthorn	1.5 to 2.5		40 to 120	n/a							Middle Age	Fair	Remnants of field boundary hedge. Regularly flailed.		n/a	Long
H195	Sycamore, Common hawthorn, English holly, Elder	0.75 to 4		30 to 120	n/a							Middle Age	Fair	Field boundary hedge around converted farm buildings. Some sections more regularly maintained than others.		n/a	Long
H199	Common hawthorn, Blackthorn	1.5 to 2		50 to 100	n/a							Middle Age	Good	Scattered lengths of hedge along boundary ditch line.		n/a	Long
H200	Common hawthorn	1.5 to 3		50 to 200	n/a							Mature	Good	Field boundary hedgerow containing many large stem; longstanding feature; managed with flail but slightly outgrown currently; evidence of historic layering.		n/a	Long
H201	Common hawthorn, Elder	2.5 to 3		50 to 180	n/a							Mature	Good	Portion of agricultural hedgerow; managed with flail but slightly outgrown currently.		n/a	Long
H203	Sycamore, Common hawthorn, Turkey oak, Elder, Wych elm	3 to 6	1.5	50 to 230	n/a							Young to Middle Age	Good	Outgrown hedgerow dividing field parcels; previously managed at 1.5m; scattered self seeded trees.		n/a	Long
H204	Common hawthorn, Wild privet, Pedunculate oak	2 to 2		50 to 150	n/a							Middle Age	Good	Flailed agricultural hedgerow.		n/a	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H205	Common hawthorn, Common ash, English holly	2 to 2		50 to 300	n/a							Middle Age	Good	Roadside hedgerow along field boundary; one of two similar features along highway edges contributing to rural character of lane.		n/a	Long
H206	Sycamore, Common hawthorn, Garden privet	2 to 3		10 to 100	n/a							Young to Middle Age	Good	Short section of wider roadside hedgerow including section of privet adjacent farm yard access.		n/a	Long
H207	Common hawthorn, Garden privet	2 to 3		50 to 100	n/a							Middle Age	Fair	Hedge bounding third party land and pond.		n/a	Long
H208	Common hawthorn, Elder	1.5 to 1.5		50 to 180	n/a							Middle Age to Mature	Good	Portion of wider field boundary hedgerow along course of drainage ditch; dense bramble on opposite side; plenty of bird activity.		n/a	Long
H209	Common hazel, Common hawthorn, Common beech, Blackthorn	2 to 4		50 to 130	n/a							Middle Age	Good	Portion of wider field boundary hedgerow; managed at northern end, becoming outgrown elsewhere beneath taller trees.		n/a	Long
H210	Leyland cypress	2 to 3	0.5	100 to 200	n/a							Middle Age	Good	Section of conifer screening hedge at edge of field; limited access and inspection.		n/a	Long
H211	Common hazel, Common hawthorn, Pedunculate oak	3 to 3.5		100 to 250	n/a							Middle Age	Good	Section of wider hedgerow along field boundary ditch; some middle aged oaks managed as part of hedge almost as pollards.		n/a	Long
H212	Common hazel, Common hawthorn, Wild cherry, Whitebeam	1 to 2		50 to 130	n/a							Middle Age	Fair	Fragmented sections of hedgerow between shelter belt trees; mostly unmanaged.		n/a	Long
H213	Common hazel, Common hawthorn	1 to 1.5		100 to 250	n/a							Middle Age to Mature	Good	Fragmented hedge sections; managed with flail; some larger hawthorn stems.		n/a	Long
H214	Common hawthorn	1 to 1.5		50 to 150	n/a							Middle Age	Good	Managed roadside hedgerow; neatly flailed.		n/a	Long
H215	Common hawthorn	4 to 5	0.5	50 to 150	n/a							Middle Age	Good	Roadside hedgerow; managed along highway edge; previously managed to height of 2m, now outgrown on top.		n/a	Long
H216	Common hawthorn	2 to 3	0.5	50 to 150	n/a							Middle Age	Good	Outgrown section of hedge bounding corner of field parcel.		n/a	Long
H217	Common hawthorn	1 to 1		50 to 150	n/a							Middle Age	Good	Typical agricultural hedgerow, heavily flailed.		n/a	Long
H218	Common hawthorn	1 to 1.5		50 to 130	n/a							Middle Age	Good	Portion of wider roadside hedge; layered.		n/a	Long
H219	Common hawthorn	1 to 1.5		50 to 150	n/a							Middle Age	Good	Hedgerow along edge of private access track; becomes fragmented.		n/a	Long
H220	Common hawthorn	1 to 1.5		50 to 130	n/a							Middle Age	Good	Layered roadside hedgerow managed with flail.		n/a	Long
H221	Common hawthorn, English holly, Wych elm	1 to 1.5		50 to 200	n/a							Middle Age to Mature	Good	Flailed roadside hedgerow.		n/a	Long
H222	Common hawthorn	1.5 to 1.5		50 to 250	n/a							Middle Age to Mature	Fair	Section of flailed hedge between field parcels.		n/a	Long
H223	Common hawthorn	1 to 1		50 to 100	n/a							Middle Age	Fair	Portion of wider, heavily flailed hedgerow along road edge.		n/a	Long
H224	Common hawthorn	1.5 to 1.5		50 to 100	n/a							Middle Age	Fair	Flailed agricultural hedgerow.		n/a	Long
H225	Common hazel, Common hawthorn, English holly, Elder, English elm	1 to 1.5		80 to 250	n/a							Mature	Good	Old hedgerow. Some very large individual specimens. Gappy in places with Bramble infill		n/a	Long
H226	Common hawthorn, Elder	1.5 to 1.5		90 to 230	n/a							Mature	Fair	Short section of mature hedgerow. Somewhat gappy. Some very large individual trees		n/a	Long
H227	Common hazel, Common hawthorn, Elder	1.5 to 2		90 to 200	n/a							Mature	Fair	Dense mature hedge. Some large stems. Overgrown with Ivy.		n/a	Long
H228	Common hawthorn	1.5 to 1.5	0.5	50 to 120	n/a							Middle Age	Fair	Heavily flailed agricultural hedgerow.		n/a	Long
H229	Common hazel, Common hawthorn, English holly	1.5 to 5		100 to 260	n/a							Mature	Fair	Mature hedgerow. Some large stems. Outgrown holly section.		n/a	Long
H230	Hawthorn species	0.5 to 1.5	1.5	30 to 80	n/a							Young to Middle Age	Good	Maintained hedgerow with some gaps filled with new planting.		n/a	Long
H231	Common hawthorn, English holly	1 to 1.5		50 to 230	n/a							Middle Age to Mature	Fair	Heavily flailed hedgerow; fragmented in places; would benefit from gap planting.		n/a	Long
H232	Hawthorn species	1 to 1.5	0.5	20 to 100	n/a							Middle Age	Fair	Continuation of Hedge		n/a	Long
H233	Common hazel, Common hawthorn, Pedunculate oak	1 to 1.5		75 to 150	n/a							Mature	Good	Mature hedge with some large stems. Gappy in places. Some occasional outgrown stems.		n/a	Long
H234	Common hawthorn	1.5 to 1.5		20 to 100	n/a							Middle Age	Fair	Section of wider heavily flailed hedgerow.		n/a	Long
H235	Hawthorn species, Elder	2 to 3	1.5	30 to 70	n/a							Young to Middle Age	Fair	Heavy past pruning		n/a	Medium
H236	Common hawthorn	1 to 1.5		10 to 150	n/a							Middle Age	Fair	Remnant of boundary hedgerow. Has been recently flailed. Overgrown with bramble. Previously laid. Growing on bund.		n/a	Medium
H237	Common hazel, Common hawthorn	1.5 to 1.5		75 to 200	n/a							Middle Age to Mature	Good	Well managed mature roadside hedgerow. some large stems		n/a	Long

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		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H238	Common hazel, Common hawthorn	1.5 to 1.5		75 to 200	n/a							Middle Age to Mature	Good	Well managed mature roadside hedgerow. some large stems		n/a	Long
H239	Blackthorn, Elder, Gorse	1 to 3		30 to 75	n/a							Middle Age	Fair	Overgrown hedgerow. lots of bramble. Not recently managed.		n/a	Medium
H240	Blackthorn, Elder, Gorse	1 to 2		30 to 80	n/a							Middle Age	Fair	Scrappy outgrown hedgerow on manmade bund around access road.		n/a	Medium
H241	Common hawthorn, Dog rose	1.5 to 6		50 to 150	n/a							Mature	Fair	Mature hawthorn hedgerow. Not managed recently. Previously laid. Some brown rot and interesting forms.		n/a	Long
H242	Gorse	0.5 to 2		20 to 70	n/a							Middle Age	Fair	Scrappy gorse hedgerow. On bank. Not managed.		n/a	Medium
H243	Common hawthorn, Elder	2 to 4		50 to 180	n/a							Mature	Fair	Mature field boundary hedgerow. Unmanaged for some time. Historically laid. Some deadwood and brown rot.		n/a	Long
H244	Common hawthorn, Elder	4 to 8		50 to 220	n/a							Mature	Fair	Outgrown boundary hedge. Ditch to southern side for part of length. Not recently managed.		n/a	Long
H245	Common hawthorn	0.5 to 1.5		10 to 30	n/a							Young	Good	Newly planted hedge alongside field access.		n/a	Long
H246	Gorse	0.5 to 1.5		10 to 30	n/a							Middle Age	Fair	Scrubby gorse hedge along fief boundary.		n/a	Long
H247	Common hawthorn, Leyland cypress, Cherry laurel	3 to 6		30 to 200	n/a							Middle Age	Fair	Garden boundary hedge. Sides trimmed to around 2m. Doesn't appear to have been topped yet.		n/a	Medium
H248	Leyland cypress	1 to 1.5		10 to 20	n/a							Young	Fair	Newly planted. Garden boundary hedge.		n/a	Medium
H249	Common hawthorn	1 to 1.5		30 to 100	n/a							Middle Age to Mature	Fair	Well managed field boundary hedge along roadside. Sections overgrown by ivy.		n/a	Long
H250	Common hawthorn	1 to 2		30 to 150	n/a							Mature	Fair	Field boundary hedgerow. Regularly managed. Historically laid.		n/a	Long
H251	Common hawthorn	1.2 to 1.5		20 to 80	n/a							Middle Age	Fair	Regularly managed field boundary hedge.		n/a	Long
H252	Common hawthorn	1.2 to 1.5		20 to 80	n/a							Middle Age	Fair	Regularly managed field boundary hedge.		n/a	Long
H253	Common hawthorn	1.5 to 2		20 to 80	n/a							Middle Age	Fair	Regularly managed field boundary hedgerow. Some bramble and ivy growing throughout.		n/a	Long
H254	Common hawthorn	1.5 to 2		20 to 100	n/a							Middle Age	Fair	Regularly managed boundary hedgerow. Some bramble and ivy growing throughout.		n/a	Long
H255	Common hawthorn	1 to 1.5		20 to 100	n/a							Middle Age	Fair	Regularly managed field boundary hedgerow. Some bramble and ivy growing throughout.		n/a	Long
H256	Common hawthorn	1.5 to 2		20 to 40	n/a							Young to Middle Age	Fair	Regularly flailed field boundary hedge along roadside.		n/a	Long
H257	Common beech	1 to 1.5		30 to 60	n/a							Middle Age	Fair	Regularly flailed beech hedge.		n/a	Long
H258	Common hazel, Common hawthorn, Pedunculate oak, Dog rose, Elder	2 to 4		20 to 120	n/a							Middle Age	Fair	Outgrown hedgerow. Flooded ditch to west. Not recently managed.		n/a	Long
H259	Sycamore, Common hawthorn, Blackthorn	1.5 to 6		20 to 120	n/a							Middle Age to Mature	Fair	Field boundary hedgerow along wet ditch. Not recently managed.		n/a	Long
H260	Common hawthorn	0.5 to 1		20 to 80	n/a							Middle Age	Fair	Regularly flailed field boundary hedge on bank of brook.		n/a	Long
H261	Common hawthorn	1.5 to 1.8		30 to 80	n/a							Middle Age	Fair	Regularly flailed field boundary hedge.		n/a	Long
H262	Common hawthorn, English holly	1 to 1.8		30 to 80	n/a							Middle Age	Fair	Regularly flailed field boundary hedge. Previously laid.		n/a	Long
H263	Common hawthorn, English holly, Elder, Gorse	1 to 1.8		30 to 100	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Historically laid.		n/a	Long
H264	Common hawthorn, English holly, Elder, Gorse	1 to 4		30 to 100	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Some sections only flailed on front. Historically laid.		n/a	Long
H265	Common hawthorn, Elder	1 to 1.5		30 to 100	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Some sections only flailed on front. Historically laid.		n/a	Long
H266	Common hawthorn, Elder	1 to 1.5		30 to 100	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Historically laid.		n/a	Long
H267	Common hawthorn, Elder	1 to 2.5		30 to 100	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Historically laid.		n/a	Long
H268	Common hawthorn, Elder	1 to 1.5		30 to 100	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Historically laid.		n/a	Long
H269	Common hawthorn, Elder	1 to 1.5		30 to 150	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Historically laid.		n/a	Long
H270	Common hawthorn, Elder	1 to 2.5		30 to 150	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Only front recently flailed..		n/a	Long
H271	Common hawthorn	1 to 1.5		30 to 150	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Ditch to east. Ivy covered.		n/a	Long
H272	Common hawthorn	1 to 1.5		30 to 150	n/a							Mature	Fair	Regularly managed field boundary hedgerow. Ivy covered.		n/a	Long
H273	Common hawthorn	1.5 to 3		30 to 80	n/a							Mixed Age	Fair	Field boundary hedge along roadside. Some sections recently replanted. Regularly managed. Historically laid.		n/a	Long
H274	Common hawthorn	1 to 1.5		30 to 120	n/a							Mature	Fair	Field boundary hedge. Regularly managed. Historically laid.		n/a	Long
H275	Common hawthorn	1.5 to 1.5		10 to 100	n/a							Middle Age	Good	Well maintained field boundary hedge		n/a	Long

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H276	Common hawthorn	1.5 to 2		30 to 150	n/a							Middle Age	Fair	Well maintained by gappy field boundary hedge. Some layered stems.		n/a	Medium
H277	Common hawthorn	1 to 1		10 to 100	n/a							Middle Age	Good	Well maintained field boundary hedge recently flailed		n/a	Long
H278	Common hawthorn	0.5 to 0.5		10 to 50	n/a							Middle Age	Good	Recently flailed well managed hedge		n/a	Long
H279	Common hawthorn	1.5 to 2		10 to 150	n/a							Middle Age	Good	Well maintained field and road side boundary hedge		n/a	Long
H280	Common hawthorn, Blackthorn	2 to 2.5		10 to 80	n/a							Middle Age	Fair	Part maintained field boundary. Gappy. Mainly blackthorn with self set establishing suckers		n/a	Medium
H281	Common hawthorn, English holly	1 to 1		10 to 150	n/a							Middle Age	Good	Well maintained field and road side boundary hedge. Layer in places.		n/a	Long
H282	Common hawthorn, English holly	1 to 1		10 to 150	n/a							Middle Age	Good	Well maintained field and road side boundary hedge. Layer in places.		n/a	Long
H283	Common hawthorn	1 to 1		10 to 150	n/a							Middle Age	Fair	Well maintained field boundary hedge. Gaps.		n/a	Long
H288	Common hawthorn, Blackthorn	1.5 to 1.5		75 to 90	n/a							Middle Age	Good	Roadside hedge. On raised bank in places. Somewhat gappy		n/a	Long
H290	Common hawthorn	1 to 1.5		50 to 80	n/a							Middle Age	Good	Well managed field boundary hedge. Large gap at road junction		n/a	Long
H303	Common hazel, Common hawthorn, Blackthorn	1.5 to 1.5		50 to 80	n/a							Middle Age	Good	Maintained boundary hedge. Gaps in places		n/a	Long
H312	Common hawthorn	1.5 to 1.5		50 to 80	n/a							Middle Age	Fair	Managed hedgerow. Unable to access		n/a	Long
H313	Common hawthorn	1.5 to 1.5		50 to 80	n/a							Middle Age	Fair	Managed hedgerow. Unable to access		n/a	Long
H320	Common hawthorn, Common ash, Elder	1.5 to 1.5		50 to 110	n/a							Mature	Good	Well established field boundary hedge. Some large stems		n/a	Long
H323	Common hawthorn, English holly, Blackthorn	1 to 1.5		50 to 75	n/a							Middle Age	Fair	Fragmentary hedge. Mostly holly		n/a	Medium
H326	Common hawthorn	1 to 1		50 to 70	n/a							Middle Age	Good	Very closely clipped Hawthorn hedge		n/a	Long
H327	Field maple, Sycamore, Common hawthorn, Elder	1 to 1		90 to 220	n/a							Mature	Fair	Fragmentary hedge. Clearly quite old with some large stems.		n/a	Long
H329	Common hawthorn, Elder	1.5 to 1.5		75 to 110	n/a							Mature	Good	Well established and well managed field boundary hedge. Ditch to west		n/a	Long
H330	Common hawthorn, Blackthorn	1 to 1		50 to 80	n/a							Middle Age	Good	Well managed field boundary hedge		n/a	Long
H331	Common hawthorn, Blackthorn	1 to 1.5		50 to 80	n/a							Mature	Good	Well managed boundary hedge		n/a	Long
H332	Common hawthorn, Blackthorn, Goat willow, Elder, Gorse	1.5 to 1.5		75 to 180	n/a							Middle Age to Mature	Good	Well managed boundary hedge. Happy in places. Some large mature stems		n/a	Long
H333	Common hawthorn, Blackthorn, Elder	1 to 1		60 to 80	n/a							Middle Age	Good	Well managed boundary hedge. Gappy		n/a	Long
H334	Common hawthorn, Blackthorn, Elder	1 to 1		60 to 80	n/a							Middle Age	Good	Well managed boundary hedge. Gappy		n/a	Long
H335	Common hawthorn, Blackthorn, Elder	1 to 1		60 to 80	n/a							Middle Age	Good	Well managed boundary hedge. Gappy		n/a	Long
H336	Common hawthorn	2 to 2.5		60 to 90	n/a							Middle Age	Fair	Large somewhat outgrown hedge along edge of ditch. Signs of management. Rather leggy		n/a	Long
H337	Common hawthorn, Elder	1.5 to 2		60 to 90	n/a							Middle Age	Good	Well managed boundary hedge. Ditch to south side		n/a	Long
H338	Common hawthorn, Elder	1 to 1.5	1.0	60 to 80	n/a							Middle Age	Fair	Managed boundary hedge. Western end removed. Gappy in places		n/a	Long
H339	Common hawthorn, Elder	1 to 1.5		60 to 100	n/a							Middle Age	Fair	Managed boundary hedge. Gappy in places.		n/a	Long
H340	Common hawthorn	1 to 2		60 to 90	n/a							Middle Age	Fair	Outgrown hedgerow along ditch . Rather fragmentary		n/a	Medium
H341	Common hawthorn	1.5 to 2		20 to 50	n/a							Middle Age	Good	Field boundary hedgerow. Regularly flailed.		n/a	Long
H342	Common hawthorn, Grey willow, Elder	1.5 to 2		20 to 50	n/a							Middle Age	Good	Field boundary hedgerow on edge of deep, water filled ditch . Regularly flailed.		n/a	Long
H343	Sycamore, Common hawthorn, Common ash, Elder	1 to 2.5		10 to 120	n/a							Middle Age	Fair	Field boundary hedgerow along roadside. Ash showing signs of ash dieback. Regularly flailed.		n/a	Medium
H344	Common hawthorn	1.5 to 4		20 to 80	n/a							Middle Age	Good	Boundary hedgerow around substation along roadside. Regularly flailed on road side.		n/a	Long
H345	Common hawthorn	1.5 to 3		20 to 80	n/a							Middle Age	Good	Field boundary hedgerow. Regularly flailed.		n/a	Long
H346	Sycamore, Common hawthorn, Common ash	0.5 to 1.5		20 to 80	n/a							Middle Age	Good	Field boundary hedgerow on top of embankment wall alongside road. Regularly flailed. Very patchy and overgrown.		n/a	Long
H347	Sycamore, Common hawthorn, Elder	1 to 3		20 to 120	n/a							Middle Age	Good	Field boundary hedgerow along roadside. Regularly flailed. Sections around telegraph poles outgrown.		n/a	Long
H348	Sycamore, Common hawthorn, Elder	1 to 1.5		20 to 120	n/a							Middle Age	Good	Field boundary hedgerow along roadside. Regularly flailed. Sections around telegraph poles outgrown.		n/a	Long
H349	Common hazel, Common hawthorn, Blackthorn	1.5 to 2		50 to 75	n/a							Middle Age	Good	Well managed boundary hedge		n/a	Long

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H350	Common hawthorn, Blackthorn, Pedunculate oak, Elder	2 to 2		50 to 75	n/a							Middle Age	Good	Well managed boundary hedge. Occasional gaps		n/a	Long
H351	Common hawthorn, English holly, Blackthorn, Pedunculate oak	1.5 to 2		50 to 80	n/a							Middle Age	Good	Well managed boundary hedge		n/a	Long
H352	Common hawthorn	1.5 to 2.5		50 to 200	n/a							Middle Age	Good	Hedge steps down from 2.5m to 1.5m halfway along. Maintained.		n/a	Long
H353	Blackthorn	2 to 2.5		50 to 100	n/a							Middle Age	Good	Large well managed boundary hedge		n/a	Long
H354	Common hawthorn	4 to 5		50 to 170	n/a							Middle Age	Good	Tall boundary hedge		n/a	Long
H355	Common hawthorn	1.5 to 2.5		50 to 110	n/a							Mature	Good	Well established mature hedge. Gappy in places. Some larger stems		n/a	Long
H356	Common hawthorn, Blackthorn	1.5 to 2.5		50 to 90	n/a							Middle Age	Good	Well managed boundary hedge. Tops outgrown		n/a	Long
H357	Common hawthorn, Blackthorn, Elder	1.5 to 2		50 to 90	n/a							Middle Age	Good	Well managed boundary hedge		n/a	Long
H358	Common hawthorn, Elder	2.5 to 2.5		50 to 80	n/a							Middle Age	Good	Well managed boundary hedge, tops outgrown		n/a	Long
H359	Common hawthorn, Elm species	2 to 2.5		30 to 75	n/a							Middle Age	Fair	Overgrown hedge next to canal path along field bindery. Heavily overgrown by bramble and ivy. Not particularly in any strict management.		n/a	Medium
H360	Common hawthorn, English holly	1.5 to 1.5		50 to 80	n/a							Mature	Good	Well managed field boundary hedge adjacent to road running round corner . There are a few gaps.		n/a	Long
H361	Common hawthorn	2 to 2		50 to 80	n/a							Middle Age	Good	Well managed boundary hedge		n/a	Long
H362	Common hazel, Common hawthorn, Elder	2 to 2		50 to 100	n/a							Mature	Good	Well managed boundary hedge. Some larger stems		n/a	Long
H363	Common hawthorn, English holly, Elder	2 to 2		50 to 100	n/a							Mature	Good	Well managed boundary hedge. Some larger stems. Some gaps		n/a	Long
H364	Common hawthorn	1.5 to 1		50 to 75	n/a							Middle Age	Fair	Rather fragmentary but well managed boundary hedge		n/a	Long
H365	Common hazel, Common hawthorn, English holly, Blackthorn, Elder	1.5 to 2		50 to 110	n/a							Middle Age	Good	Well managed boundary hedge. Some larger stems		n/a	Long
H366	Common hawthorn	2 to 2		50 to 75	n/a							Middle Age	Good	Well managed boundary hedge		n/a	Long
H367	Common hawthorn, Blackthorn, Elder	1.5 to 1		50 to 75	n/a							Middle Age	Fair	Managed but gappy boundary hedge		n/a	Long
H368	Common hawthorn, Blackthorn	2 to 2		50 to 75	n/a							Middle Age	Good	Well managed boundary hedge		n/a	Long
H370	Common hawthorn, Elder	2 to 2		50 to 80	n/a							Middle Age	Fair	Well managed but gappy boundary hedge		n/a	Long
H371	Common hawthorn, Blackthorn	1.5 to 1.5		50 to 100	n/a							Mature	Good	Hedge borders field on the road side.		n/a	Long
H372	Common hazel, Common hawthorn, Willow species, Elder	1.5 to 4		40 to 100	n/a							Middle Age	Good	Field boundary hedge that is predominantly very well maintained at c. 1.5m. Lapsing at western end in front of woodland.		n/a	Long
H373	Common hazel, Common hawthorn, English holly	1.5 to 1.5		40 to 200	n/a							Mature	Good	Well maintained field boundary hedge.		n/a	Long
H374	Common hawthorn	1.5 to 1.5		50 to 100	n/a							Mature	Good	Maintained roadside hedge.		n/a	Long
H375	Common hawthorn, Blackthorn, Willow species	1.5 to 1.5		50 to 100	n/a							Mature	Good	Hedge separating field from road and dividing two fields.		n/a	Long
H376	Common hawthorn, Common ash, Elder	1.5 to 1.5		75 to 140	n/a							Mature	Good	Well managed boundary hedge. Some large old stems		n/a	Long
H377	Common hawthorn, English holly	1.5 to 1.5		50 to 150	n/a							Mature	Good	Well maintained boundary hedge on west side of driveway. Occasional remnant stumps from trees that have now been felled in hedge.		n/a	Long
H378	Common hawthorn, English holly	1.5 to 1.5		50 to 150	n/a							Mature	Good	Well maintained boundary hedge on east side of driveway.		n/a	Long
H379	Sycamore, Common hawthorn, Common ash	1.5 to 1.5		40 to 200	n/a							Middle Age	Good	Well maintained roadside hedge.		n/a	Long
H380	Sycamore, Common hawthorn	1.5 to 1.5		40 to 120	n/a							Middle Age	Good	Well maintained roadside hedge.		n/a	Long
H381	Sycamore, Common hawthorn, English holly	1.7 to 1.7		40 to 200	n/a							Middle Age	Good	Well maintained roadside hedge.		n/a	Long
H382	Common hawthorn	2 to 2		50 to 90	n/a							Middle Age	Good	Broad hedge with open spacing. Signs of management		n/a	Long
H383	Common hawthorn	2 to 2.5		50 to 160	n/a							Mature	Good	Well managed mature hedge. Signs of traditional management. Some large stems		n/a	Long
H384	Common hawthorn, Elder	2.5 to 2.5		50 to 140	n/a							Mature	Good	Well managed mature hedge. Signs of traditional management. Some large stems		n/a	Long

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H385	Common hawthorn, Elder	2 to 2		50 to 150	n/a							Mature	Good	Well maintained field boundary hedge.		n/a	Long
H386	Common hawthorn	1.5 to 1.5		50 to 120	n/a							Mature	Good	Well maintained field boundary hedge.		n/a	Long
H387	Common hawthorn	2 to 2.5		40 to 200	n/a							Middle Age	Good	Field boundary hedgerow that is slightly outgrown at present. Appears to have been maintained at two different levels with the lower level comprising larger stools.		n/a	Long
H388	Sycamore, Common hawthorn, Elder	2 to 2.5		40 to 200	n/a							Middle Age	Good	Maintained field boundary hedgerow that is slightly outgrown at present. Managed at 2 different heights with lower stage containing larger stools. Parts overgrown by ivy and bramble.		n/a	Long
H389	Common hawthorn	2 to 3		50 to 180	n/a							Middle Age	Good	Reasonably maintained field boundary hedge that is slightly outgrown at present, with occasional parts lapsing.		n/a	Long
H390	Common hawthorn	2 to 2		50 to 150	n/a							Middle Age	Good	Well maintained field boundary hedge next to Road.		n/a	Long
H391	Common hawthorn, Blackthorn	1.5 to 2.5		50 to 80	n/a							Middle Age	Fair	Gappy and slightly outgrown boundary hedge with ditch to north		n/a	Long
H392	Common hazel, Common hawthorn, English holly, Pedunculate oak, Dog rose, Elder	1.5 to 2		50 to 110	n/a							Mature	Good	Field boundary hedge. Some small gaps.		n/a	Long
H393	Common hawthorn	1 to 1		40 to 110	n/a							Mature	Good	Well maintained field boundary hedge. Some small gaps.		n/a	Long
H394	Common hawthorn, English holly	1 to 1		40 to 110	n/a							Mature	Good	Well maintained field boundary hedge. Some small gaps.		n/a	Long
H395	Common box, Common hawthorn	2 to 2		30 to 75	n/a							Middle Age	Good	Boundary hedge. Mostly hawthorn.		n/a	Long
H396	Common hawthorn	1 to 1		40 to 110	n/a							Mature	Good	Well maintained field boundary hedge.		n/a	Long
H397	Common hawthorn	3 to 7		50 to 130	n/a							Middle Age	Good	Roadside hedgerow atop bunded verge; flail managed along southern edge, outgrown on top; short section at eastern end managed to 2m height and managed at Western end beneath powerlines to circa 4m; dense screening along highway.		n/a	Long
H407	Common dogwood, Common hazel, Common hawthorn, English holly, Blackthorn, Pedunculate oak, Viburnum species, Guelder rose, Garden privet	1 to 2		10 to 30	n/a							Young	Good	Recently planted hedgerow. Establishing well. Not been cut yet. Oak trees every 5m.		n/a	Long
H408	Hornbeam, Common dogwood, Common hazel, Common hawthorn, English holly, Blackthorn, Garden privet	0.5 to 2		10 to 30	n/a							Young	Good	Recently planted roadside hedgerow behind safety barrier. Establishing well. Some failed plants need gapping up. Not yet been cut.		n/a	Long
H409	Hornbeam, Common dogwood, Common hazel, Common hawthorn, English holly, Blackthorn, Garden privet	0.5 to 2		10 to 30	n/a							Young	Good	Recently planted roadside hedgerow. Establishing well. Some failed plants need gapping up. Not yet been cut.		n/a	Long
H410	Hornbeam, Common dogwood, Common hazel, Common hawthorn, English holly, Blackthorn, Garden privet	0.5 to 2		10 to 30	n/a							Young	Good	Recently planted roadside hedgerow. Establishing well. Some failed plants need gapping up. Not yet been cut.		n/a	Long
H411	Common dogwood, Common hazel, Common hawthorn, English holly, Blackthorn, Pedunculate oak, Viburnum species, Guelder rose, Garden privet	1 to 2		10 to 30	n/a							Young	Good	Recently planted hedgerow. Establishing well. Not been cut yet. Oak trees halfway along.		n/a	Long
H412	Common dogwood, Common hazel, Common hawthorn, English holly, Blackthorn, Pedunculate oak, Elm species, Viburnum species, Guelder rose, Garden privet	1 to 2		10 to 30	n/a							Young	Good	Recently planted hedgerow. Establishing well. Not been cut yet. Oak trees at 5m intervals.		n/a	Long
H413	Common hawthorn	3 to 5		50 to 100	n/a							Middle Age	Good	Inaccessible vegetation, appears to a hedgerow; assumptions and estimates made.		n/a	Long
H10000	Not surveyed in detail																
H10001	Not surveyed in detail																
H10002	Not surveyed in detail																
H10003	Not surveyed in detail																
H10004	Not surveyed in detail																
H10005	Not surveyed in detail																
H10006	Not surveyed in detail																

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Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
H10007	Not surveyed in detail																
H10008	Not surveyed in detail																
H10009	Not surveyed in detail																
H10010	Not surveyed in detail																
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Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
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H10148	Not surveyed in detail																

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
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ANNEX 8C3: Arboricultural Survey Data Sheets

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
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HyNet North West Hydrogen Pipeline

Delivering clean growth

Cadent

Your Gas Network