



Bloor Homes

**Land South East of Earl Shilton**

**Arboricultural Assessment**

September 2023

**FPCR Environment and Design Ltd**

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## 1.0 INTRODUCTION

- 1.1 This report has been prepared by FPCR Environment and Design Limited on behalf of Bloor Homes to present the findings of an Arboricultural Assessment and survey of trees located at land southeast of Earl Shilton (hereafter referred to as the site), OS Grid Ref SP 47230 97234.
- 1.2 The survey was carried out on 8<sup>th</sup> March 2021.

### Scope of Assessment

- 1.3 The tree survey and assessment of existing trees has been carried out in accordance with guidance contained within British Standard 5837:2012 '*Trees in Relation to Design, Demolition and Construction - Recommendations*' (hereafter referred to as BS5837). The guidelines set out a structured assessment methodology to assist in determining which trees would be deemed either as being suitable or unsuitable for retention.
- 1.4 The guidance also provides recommendations for considering the relationship between existing trees and how those trees may integrate into designs for development; demolition operations and future construction processes so that a harmonious and sustainable relationship between any retained trees and built structures can be achieved.
- 1.5 The purpose of the report is therefore to firstly, present the results of an assessment of the existing trees' arboricultural value, based on their current condition and quality and to secondly, provide an assessment of impact arising from the proposed development of the site.
- 1.6 This report has been produced to accompany a planning application for a Sustainable Urban Extension and has included an assessment of any impact to the tree cover. The survey has therefore focused on any trees present within or bordering the site that may potentially be affected by the future proposals or will pose a constraint to any proposed development.

### Site description

- 1.7 The site is located to the southeast of Earl Shilton and comprises of approximately 65ha divided across arable fields, unmanaged grassland and community sports fields. The vast majority of trees are situated around the field parcel boundaries, along with outgrown scrub and vegetation. Within the field parcels a small number of individual standing trees.

## 2.0 PLANNING POLICY

### National Planning Policy Framework September 2023

- 2.1 National Planning Policy is defined by the National Planning Policy Framework (NPPF). This sets out the Government's most current and up to date planning policies for England and how these should be applied. The current NPPF is dated September 2023.
- 2.2 Paragraphs 10 and 11 of the NPPF state that there is a presumption in favour of sustainable development and states that for decision making, the LPA should be '*c) approving development proposals that accord with an up-to-date development plan without delay*'. In the absence of a development plan or the development plan is out of date, the acting LPA should grant planning consent so far as the development proposals do not breach the policies and guidance outlined in the NPPF.
- 2.3 In relation to arboriculture, the NPPF also states that:
- 131 '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 (footnote 50), 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' (footnote 50: unless, in specific cases, there are clear, justifiable and compelling reasons why this would be inappropriate)
  - 180 (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 reasons (footnote 63) and a suitable compensation strategy exists';  
and provides specific guidance that:
  - 180 (d) 'development whose primary objective is to conserve or enhance biodiversity should be supported; while opportunities to incorporate biodiversity improvements in and around developments should be encouraged, especially where this can secure measurable net gains for biodiversity'.
- 2.4 With reference to paragraph 180 (c), examples of what is deemed to be '*wholly exceptional*' are included within Footnote 63 and provides the examples of '*infrastructure projects (including nationally significant infrastructure projects, orders under the Transport and Works Act and hybrid bills), where the public benefit would clearly outweigh the loss or deterioration of habitat*'.

## Statutory Considerations

- 2.5 Local authorities have a Duty under the Town and Country Planning Act to create Tree Preservation Orders (TPO) in order to protect and preserve specific trees and woodlands that bring significant amenity benefit to a particular site or location. Under a TPO it is a criminal offence to cut down, top, lop, uproot or wilfully destroy a tree protected by that Order, or to cause or permit such actions, if carried out without the prior written consent of the acting LPA. Anyone found guilty of such an offence is liable and in serious cases, may result in prosecution and incur an unlimited fine.
- 2.6 No direct consultation with the Local Planning Authority has taken place, however, it is understood having used the online search facility on the website for the Local Planning Authority, Hinckley and Bosworth Borough Council that there are no Tree Preservation Orders and Conservation Areas that would apply to any trees present on, or in close proximity to the assessment site and therefore no statutory constraints would apply to the development in respect of trees. Before any tree works are undertaken confirmation of the online information should be sought from the Local Authority.
- 2.7 Information provided on Tree Preservation Orders and Conservation Areas is accurate to the date of this assessment and cannot be assumed to remain unchanged. The last check was carried out on the 1<sup>st</sup> June 2023.

## Non-Statutory Considerations

- 2.8 In order to compile existing baseline information on relevant arboricultural considerations information was requested from both statutory and non-statutory nature conservation organisations. The Multi Agency Geographic Information for the Countryside (MAGIC)<sup>1</sup> website highlighted no tree cover within the site.

## 3.0 SURVEY METHODOLOGY

### BS5837 Categories

- 3.1 Trees have been divided into one of four categories based on Table 1 of BS5837, '*Cascade chart for tree quality assessment*'. For a tree to qualify under any given category it should fall within the scope of that category's definition (see below).
- 3.2 Category U trees are those which would be lost in the short term for reasons connected with their physiology or structural condition. They are, for this reason not considered in the planning process on arboricultural grounds. Categories A, B and C are applied to trees that should be of material considerations in the development process. Each category also having one of three further sub-categories (i, ii, iii) which are intended to reflect arboricultural, landscape and cultural or conservation values accordingly.
- 3.3 **Category (U) – (Red):** Trees which are unsuitable for retention and are in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years. Trees within this category are:

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<sup>1</sup> <http://magic.defra.gov.uk/>

- Trees that have a serious irremediable structural defect such that their early loss is expected due to collapse and includes trees that will become unviable after removal of other category U trees.
- Trees that are dead or are showing signs of significant, immediate or irreversible overall decline.
- Trees that are infected with pathogens of significance to the health and/ or safety of other nearby trees or are very low-quality trees suppressing adjacent trees of better quality.
- Certain category U trees can have existing or potential conservation value which may make it desirable to preserve.

3.4 **Category (A) – (Green):** Trees that are considered for retention and are of high quality with an estimated remaining life expectancy of at least 40 years with potential to make a lasting contribution. Such trees may comprise:

- Sub category (i) trees that are particularly good examples of their species, especially if rare or unusual, or are essential components of groups such as formal or semi-formal arboricultural features for example the dominant and/or principal trees within an avenue.
- Sub category (ii) trees, groups or woodlands of particular visual importance as arboricultural and / or landscape features.
- Sub category (iii) trees, groups or woodlands of significant conservation, historical, commemorative or other value for example veteran or wood pasture.

3.5 **Category (B) – (Blue):** Trees that are considered for retention and are of moderate quality with an estimated remaining life expectancy of at least 20 years with potential to make a significant contribution. Such trees may comprise:

- Sub category (i) trees that might be included in category A but are downgraded because of impaired condition for example the presence of significant though remediable defects, including unsympathetic past management and storm damage.
- Sub category (ii) trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals or trees occurring as collectives but situated so as to make little visual contribution to the wider locality.
- Sub category (iii) trees with material conservation or other cultural value.

3.6 **Category (C) – (Grey):** Trees that are considered for retention and are of low quality with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm. Such trees may comprise:

- Sub category (i) unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.
- Sub category (ii) trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value or trees offering low or only temporary / transient screening benefits.
- Sub category (iii) trees with no material conservation or other cultural value.

## Site Plans

- 3.7 The individual positions of trees and groups have been shown on the Tree Survey Plan. The positions of trees are based on a topographical / land survey, as far as possible, supplied by the client. Where topographical information has not identified the position of trees these have been plotted using a global positioning system and aerial photography to provide approximate locations. The crown spread, root protection area and shade pattern (where appropriate) are also indicated on this plan.
- 3.8 As part of this assessment, a Tree Retention Plan has been prepared to show the proposed layout in relation to the existing tree cover allowing an assessment of any potential conflicts. The plan also identifies which trees would be required to be removed or retained as part of the proposed development.

## Tree Constraints and Root Protection Areas

- 3.9 Below ground constraints to future development are represented by tree roots and the soil environment in which they grow which needs to be protected if the tree is to be retained. Tree rooting systems are essential for the uptake of water and nutrients, serving the storage of carbohydrates for the future growth and function of the tree, and form structural anchorage and support for the stem and crown. The perceived rooting area of the tree; referred to as the root protection area (RPA) needs to be protected if the tree is to be retained.
- 3.10 The RPA is a notional area considered to be the minimum zone that must be protected to avoid any adverse impacts on retained trees. The RPA has been calculated in accordance with Annex C, D and Section 4.6 of BS5837:2012 and requires suitable protection in order for the tree to be successfully incorporated into any future scheme. As such, the RPA of existing trees is an important material consideration when considering site constraints and planning development activities.
- 3.11 Where applicable the shape of the Root Protection Area has been modified to consider the presence of any nearby obstacles (existing or past) which may have restricted root growth and the likely root distribution i.e., the presence of hard standing, structures and underground apparatus. Where groups of trees have been assessed, the Root Protection Area has been shown based on the maximum sized tree in any one group and so may exceed the Root Protection Area required for some of the individual specimens within the group. Further detailed inspection of the individual trees forming a group may be required where development impacts upon the group.
- 3.12 Whilst it is generally accepted that a tree's roots may extend far greater distances than the notional RPA, with the distribution of the root system relating directly to the availability of suitable conditions for growth (namely oxygen, water and nutrients), with roots predominantly located in the upper 1,000 mm of the soil horizon; the RPA offers an accepted protective buffer from development.
- 3.13 Above ground constraints such as the current crown spread of the trees and an illustration of the shade pattern (where appropriate) have been considered and identified within the Tree Survey Plan and Tree Retention Plan indicates their potential area of shading influence.

### Considerations and Limitations of the Tree Survey

- 3.14 The survey was completed from ground level only and from within the boundary of the site. Aerial tree inspections or an assessment of the internal condition of the stem/s or branches were not undertaken at this stage as this level of survey is beyond the scope of the initial assessment.
- 3.15 The statements made in this report regarding the assessed trees does not take into account the effects of extreme / adverse weather conditions, changes in land use prior to the site's development, unforeseen accidents or anti-social behaviours, such as vandalism, which occur since the date of the survey. As such, the assessment of tree condition given within applies to the date of survey and cannot be assumed to remain unchanged.
- 3.16 It will be necessary to review all comments and observations made within this report, in accordance with sound arboricultural practice, within two years of the date of survey (unless explicitly stated elsewhere within this report). Further review may also be necessary where site conditions change or works to trees are carried out which have not been specified in detail within this report.
- 3.17 Hedgerows are identified as a Habitat of Principal Importance (HPI) as listed within Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006. The tree survey conducted, in accordance with BS5837, does not assess hedgerows against the Hedgerow Regulations 1997 or specifically from an ecological perspective, and is outside the scope of this assessment.
- 3.18 It may be necessary during detailed design to undertake further assessment and accurate positioning of woody species within tree groups and hedgerows to assist structural calculations for foundation design of structures in accordance with current building regulations. The exact position of individual trees or species included as part of a tree group should be checked and verified on site prior to any decisions for foundation design, tree operations or construction activity being undertaken. Further survey work would be required for calculating foundation depths in accordance with NHBC Chapter 4.2 Building near Trees.
- 3.19 The survey of trees has been carried out in accordance with the criteria set out in Chapter 4 of BS5837. The survey has been undertaken by a suitably qualified and experienced arboriculturist and has recorded information relating to all those trees within the site and those adjacent to the site which may be of influence to any proposals. Trees were assessed for their arboricultural quality and benefits within the context of the proposed development in a transparent, understandable and systematic way.
- 3.20 Trees have been assessed as groups, hedgerows or woodland where it has been determined appropriate.
- The term group has been applied where trees form cohesive arboricultural features either aerodynamically, visually or culturally including biodiversity or habitat potential for example parkland or wood pasture.
  - For the purposes of this assessment, a hedgerow is described as any boundary line of trees or shrubs less than 5m wide at the base and are managed under a regular pruning regime.

- For the purposes of this assessment woodland is described as a habitat where ‘trees are the dominant plant form. The individual tree canopies generally overlap and interlink, often forming a more or less continuous canopy’<sup>2</sup>. Woodlands however, are not just formed of trees and generally include a great variety of other plants. These will include ‘mosses, ferns and lichens, as well as small flowering herbs, grasses and shrubs’<sup>3</sup>.

- 3.21 An assessment of individual trees within groups, hedgerows or woodland has been made where a clear need to differentiate between them, for example, in order to highlight significant variation between attributes including physiological or structural condition or where a potential conflict may arise.

### **Ancient and Veteran Trees**

- 3.22 Veteran trees and Ancient Woodland are important components of the landscape, their importance can be for a number of reasons including that of their ecological, social, cultural and historic value.
- 3.23 Veteran Trees and Ancient Woodlands are material considerations within the planning process and their importance is specifically recognised within the National Planning Policy Framework (NPPF) 2021, which defines the terms ancient or veteran tree as:

*‘A tree which, because of its age, size and condition, is of exceptional biodiversity, cultural or heritage value. All ancient trees are veteran trees. Not all veteran trees are old enough to be ancient but are old relative to other trees of the same species. Very few trees of any species reach the ancient life-stage.’<sup>4</sup>*

- 3.24 Various published methodologies are currently available which, due to the complexity and subjectivity of the process of defining and assessing these trees, often have conflicting definitions. This assessment, and the criteria used for defining ancient/veteran trees and the identification of attributable ancient/veteran features, has been based on a range of currently published guidance and resources.

### **Ancient Woodland**

- 3.25 Ancient woodland in England is defined as an area that has been continuously wooded since at least 1600 AD. ‘Continuously wooded’ does not require there to have been a continuous cover of trees and shrubs across the entire area. Habitats such as glades, deer lawns, rides, ponds and streams, as well as gaps created by natural occurrences, and forestry may all occur within woodland.
- 3.26 Ancient woodland includes both ancient semi-natural woodland and plantations on ancient woodland sites:
- Ancient semi-natural woodland (ASNW) is where the stands are composed predominantly of trees and shrubs native to the site that do not obviously originate from planting. However, woodlands with small planting of trees native to the site would still be included in this category. The stands may have been managed by coppicing or pollarding or the tree and shrub layer may have grown up by natural regeneration.

<sup>2</sup> [http://www.countrysideinfo.co.uk/woodland\\_manage/whatis.htm](http://www.countrysideinfo.co.uk/woodland_manage/whatis.htm)

<sup>3</sup> [http://www.countrysideinfo.co.uk/woodland\\_manage/whatis.htm](http://www.countrysideinfo.co.uk/woodland_manage/whatis.htm)

<sup>4</sup> Ministry of Housing, Communities and Local Government. (2021). *National Planning Policy Framework*. London: Ministry of Housing, Communities and Local Government.

- Plantations on ancient woodland sites (PAWS) these are areas of ancient woodland where the former native tree cover has been felled and replaced by planted trees, predominantly of species not native to the site. These sites often retain some of the ancient woodland features such as soils, ground flora, fungi and woodland archaeology.
- 3.27 Ancient woodland is a resource of great importance for its wildlife, soils, recreation, cultural value, history and the contribution to diverse landscapes.

## 4.0 RESULTS

- 4.1 A total of 87 individual trees, 54 groups of trees and 22 hedgerows were surveyed as part of the Arboricultural Assessment. Trees were surveyed as individual trees and groups of trees where examples are clearly present as per the description. Refer to the Tree Survey Plan and Appendix A – Tree Schedule for full details of the trees included in this assessment. The table below summarises the trees assessed.

### Tree Schedule

- 4.2 Appendix A presents details of any individual trees, groups, hedgerows and woodlands found during the assessment including heights, diameters at 1.5m from ground level, crown spread (given as a radial measurement from the stem), age class, comments as to the overall condition at the time of inspection, BS5837 category of quality and suitability for retention and the root protection area.
- 4.3 General observations particularly of structural and physiological condition for example the presence of any decay and physical defect and preliminary management recommendations have also been recorded where appropriate.
- 4.4 Several of the trees have been discussed in more detail following the table, owing to their physical condition or arboricultural significance.

### Results Summary

- 4.5 The vast majority of trees were along the boundaries of each field parcel forming linear tree lines and outgrown hedgerows. Individual trees were located within boundary hedgerows and occasionally centrally to field parcels.
- 4.6 A large majority of the trees appeared to have had little in terms of management characteristic for trees growing within the open countryside and displayed little formal management, with the exception of rudimentary branch removals for access of farm machinery across arable parcels. Thicket growth and sporadic self-set material was established through the grassland areas. Many specimens contained large quantities of deadwood, branch stubs and broken material along with dense and established ivy growth.

- 4.7 Tree stock was predominantly mature in age, with the dominant species to be found within the site was ash *Fraxinus excelsior*, hawthorn *Crataegus monogyna*, blackthorn *Prunus spinosa* and English oak *Quercus robur*. Groups tended to be comprised of several species, with a high proportion of thorny species such as hawthorn and blackthorn, typically found across an arable managed landscape in this region. Other species such as elder *Sambucus nigra*, willow *Salix sp.* Sycamore *Acer pseudoplatanus*, and field maple *Acer campestre*, all significantly contributing to the site's vast species diversity.

**Table 1: Summary of Trees by Retention Category**

|                                       | Individual Trees                                                                                                                                                                                                                                                                                       | Total | Groups of Trees                                                                                                                                                                                                                                                                            | Total |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Category U - Unsuitable               | T37                                                                                                                                                                                                                                                                                                    | 1     | G15                                                                                                                                                                                                                                                                                        | 1     |
| Category A (High Quality / Value)     | T1, T5, T6, T17, T27, T28, T38, T39, T51                                                                                                                                                                                                                                                               | 9     |                                                                                                                                                                                                                                                                                            | 0     |
| Category B (Moderate Quality / Value) | T2, T9, T16, T20, T24, T26, T30, T40, T41, T49, T52, T53, T62, T65, T66, T72, T81                                                                                                                                                                                                                      | 17    | G9, G12, G27, G34, G35, G36, G39, H6, H13, H15, H17, H18, H19, H20, H21                                                                                                                                                                                                                    | 15    |
| Category C (Low Quality / Value)      | T3, T4, T7, T8, T10, T11, T12, T13, T14, T15, T18, T19, T21, T22, T23, T25, T29, T31, T32, T33, T34, T35, T36, T42, T43, T44, T45, T46, T47, T48, T50, T54, T55, T56, T57, T58, T59, T60, T61, T63, T64, T67, T68, T69, T70, T71, T73, T74, T75, T76, T77, T78, T79, T80, T82, T83, T84, T85, T86, T87 | 60    | G1, G2, G3, G4, G5, G6, G7, G8, G10, G11, G13, G14, G16, G17, G18, G19, G20, G21, G22, G23, G24, G25, G26, G28, G29, G30, G31, G32, G33, G37, G38, G40, G41, G42, G43, G44, G45, G46, G47, G48, G49, G50, G51, G52, G53, G54, H1, H2, H3, H4, H5, H7, H8, H9, H10, H11, H12, H14, H16, H22 | 60    |

- 4.8 The majority of individual trees and tree groups observed on site were assessed as having low arboricultural quality (category C) in the most part, to either their sporadic and outgrown nature, or as a result of comprising trees which exhibited a fair to poor physiological condition. Hedgerows which had seen little management or considered to be sparse in composition where also included within this category.
- 4.9 Moderate quality tree cover (category B) comprised of trees which collectively provided key visual features across the site and the wider landscape as linear tree groups along with individuals that housed features such as broken branches, branch stubs and minor deadwood.
- 4.10 Seven hedgerows were for the most part actively maintained and of typical form. This management had created dense, well-defined hedgerows creating green corridors linking arboricultural features around the site. These were regarded as retention category B, due to their higher landscape and arboricultural value.

- 4.11 Nine individual trees were deemed to be high in arboricultural quality and category A. Eight being mature English oak, T5, T6, T17, T27, T28, T38, T39 & T51. T1 was a mature silver maple *Acer saccharinum* situated within an area of incidental open space off Astley Road.
- 4.12 T37 was the only individual specimen considered to be unsuitable for retention in its current condition and in relation to the current context. This mature oak exhibited a range of defects which included extensive crown die back, large proportions of dead wood and no evidence of functional leaf mass.

#### Ancient and Veteran Trees

- 4.13 None of the assessed trees were considered as ancient or veteran trees in accordance with accepted methodologies and guidance.

## 5.0 ARBORICULTURAL IMPACT ASSESSMENT

- 5.1 The following paragraphs present a summary of the tree survey and discussion of particular trees and groups recorded in the context of any proposed development in the form of an Arboricultural Impact Assessment in accordance with section 5.4 of BS5837. Any final tree retentions will need to be reconciled with the advice contained within this report.
- 5.2 The AIA has been based upon the Land Use Parameter Plan and seeks to outline the relationship between the proposals and the existing trees and hedgerows. The drawing shows the proposals for a Sustainable Urban Extension. An overlay of the layout has been incorporated in the Tree Retention Plan to assist in identifying the relationship and any potential conflicts between the proposals and the existing trees and hedgerows.

**Table 3: Summary of Impact on Tree Stock**

|                                       | Trees Removed in full                                         | Total | Trees Removed in part                    | Total |
|---------------------------------------|---------------------------------------------------------------|-------|------------------------------------------|-------|
| Category U - Unsuitable               | G15                                                           | 1     |                                          | 0     |
| Category A (High Quality / Value)     |                                                               | 0     |                                          | 0     |
| Category B (Moderate Quality / Value) | T40, T41                                                      | 2     | G9, H13, H15, H17, H18, H19              | 6     |
| Category C (Low Quality / Value)      | T42, T43, T44, T48, T50, T60, T63, G7, G25, G30, G42, G49, H1 | 13    | G4, G5, G17, G22, G43, G50, H9, H10, H11 | 9     |

- 5.3 The design of the layout has been constraint led from the outset, considering the arboricultural constraints; alongside further environmental constraints identified in separate technical reports, with the positioning of the built elements largely being sited in areas currently utilised by open countryside devoid of significant tree cover or areas of low-quality trees.

- 5.4 This constraint led approach has allowed for the retention of a large majority of the existing trees across the site; especially when consideration is made for the scale of the development. This existing tree cover shall be retained and incorporated into the green infrastructure of the site, providing instant maturity to provide greater integration of the new built elements, alongside helping to ensure a continued population of tree cover and connectivity with canopy cover within both the site and the wider local environment.
- 5.5 Due to the scale of the proposals, including earthworks and infrastructure requirements across the site, it is inevitable that a proportion of the existing tree cover will be lost to facilitate any future development. However, the requirement to remove trees has been limited to small proportions of predominantly low quality where possible reducing impacts to the arboricultural value across the site.
- 5.6 All high-quality trees, recorded as category A are to be retained, whilst the loss of moderate quality trees comprises of T40 & T41, both mature ash and partial losses of G9 along with small sections of hedgerows. Low quality trees to be removed comprise of trees in poor condition and outgrown hedgerows.
- 5.7 The retention and integration of mature trees across the development is of high importance and therefore the vast majority of these trees have been shown for retention. At the detailed design stages of each phase of the development these trees must be considered to ensure root protection areas are carefully accommodated. This is particularly important during the initial earthworks and site investigation works.
- 5.8 Detailed design must also take into consideration all category A and B trees and special attention must be given to T39, T49, T51, T52 and T62 to ensure these trees are retained and preserved within the development proposals.

### **Site Access**

- 5.9 Access into the site will comprise of three points, the first being off Astley Road to the north west and will require H1 to be removed all material was graded as category C, of limited arboricultural value. The other two points of access will require the construction of two roundabouts along Clickers Way to the south and east. The areas of trees affected by these new roundabouts comprise of H11 and H17. Losses will only be sections and not entire lengths.

### **Spine Road Layout**

- 5.10 The spine road layout of the site would require trees T40, T41, T43, T48, T60 sections of G5, G9, G17, G22, G25, G49, G50, H10, H15, H17, H18, H19 to be removed. The internal road network will require the removal of additional tree cover, these losses will be finalised as part of each detailed phase.
- 5.11 Across the site impacts to trees is considered to be minimal with the vast majority of tree cover being retained. The future management of the site will also see arboricultural benefits such as new tree planting along with targeted management of areas which currently see little active investment.

## Tree Management

- 5.12 The layout of the development is currently reserved for subsequent approval. In the course of a reserved matters application pursuant to layout, a review of the relationship between the layout and the retained trees should be undertaken by a qualified arboriculturist to assess the existing tree cover and prepare a schedule of tree works.
- 5.13 All retained trees should be subjected to sound arboricultural management as recommended within section 8.8.3 of BS5837 *Post Development Management of Existing Trees*, where there is a potential for public access in order to satisfy the landowner's duty of care. Additionally, inspections annually and following major storms should be carried out by an experienced arboriculturist or arborist to identify any potential public safety risks and to agree remedial works as required.
- 5.14 All tree works undertaken should comply with British Standard 3998:2010 and should therefore be carried out by skilled tree surgeons. It would be recommended that quotations for such work be obtained from Arboricultural Association Approved Contractors as this is the recognised authority for certification of tree work contractors.
- 5.15 All vegetation and, particularly, woody vegetation proposed for clearance should be removed outside of the bird-breeding season (March - September inclusive) as all birds are protected under the Wildlife and Countryside Act, 1981 (as amended) whilst on the nest. Where this is not possible, vegetation should be checked for the presence of nesting birds prior to removal by an experienced ecologist.

## General Design Principles in Relation to Retained Trees

- 5.16 In a subsequent Reserved Matters application following the final layout of the scheme, assessment of the distance of proposed development in relation to the calculated root protection area of retained trees should be made which will inform the final layout.
- 5.17 Ground investigation through the use of pneumatic excavation, such as an Air Spade and digging of trial pits, may be required should there be areas where it is not possible to modify the layout to avoid conflict with retained trees. Ground investigations would aim to determine the actual location of the physical roots without causing them damage in the process. Such an assessment would enable consideration of the practicality and suitability of certain 'tree friendly' construction methods and would better inform decision making for a design.
- 5.18 Further assessment of the impact to actual roots found during the ground investigations can then be made and solutions reached thus, greatly reducing any potential future impacts on retained trees whilst allowing the development to proceed and minimising risks to future tree health. Ultimately the aim would be to reduce conflicts between trees and buildings, and achieve successful tree retention.
- 5.19 The use of "no-dig" construction methods should be considered prior to decisions being made as to the removal of each tree concerned, where conflicts between trees identified for retention and the layout arise. Such methods of construction and the use of industry led specialist engineering solutions i.e., three dimensional "load bearing" cellular confinement systems can be used particularly in the case of carriageways, footways and driveways in order to avoid unnecessary losses of trees.

- 5.20 The routing of below ground services should also be considered with regard to the retained trees as part of a subsequent reserved matters application pursuant to layout. As recommended by the guidance given in section 7.7 of BS5837 services, where possible, should not encroach within the Root Protection Areas of retained trees. If below-ground services are proposed within a Root Protection Area, modifications to the alignment of the service route may need to be made in order to minimise adverse effects on root stability and overall tree health.
- 5.21 Consideration may also need to be given to the potential for tree roots of newly planted trees and hedgerows to affect or compromise the future services. As far as feasible, it would be preferable that proposed services near both the existing and any new planting should be ducted for ease of access and maintenance and grouped together to minimise any future disturbance.

## **6.0 NEW TREE AND HEDGEROW PLANTING**

- 6.1 As part of the development proposals an adequate quantity of structured tree planting has been demonstrated predominantly within or close to hard landscaped areas of car parking or alongside the primary access roads within the roadside verges. The purpose and function of this new tree planting should be understood from the start of any design stages so that key objectives from a landscape perspective can also be achieved.

### **Trees**

- 6.2 The landscaping scheme should consider the use of both native tree species (for their low maintenance requirements and nature conservation value) and ornamental species (for their contribution to urban design and amenity value). Species choices should be selected on the basis of their suitability for the final site use. Furthermore, during the design process consultation should be made with the Local Planning Authority to obtain information on their tree strategy and incorporate the planting proposals with any local policies and initiatives and/or Biodiversity Action Plans (BAP).
- 6.3 In line with the NPPF all schemes should aim to achieve a net gain in biodiversity value. Nationally recognised biodiversity metrics allow for the inclusion of, not limited to, newly planted scattered trees, woodlands and hedgerows as a means of compensating for loss of habitat as part of the development. Tree and shrub planting can therefore be used to contribute to this biodiversity gain.
- 6.4 To maximise biodiversity value (and contribution to net gain) native species or varieties should be specified. Such provisions can be incorporated into both the hard and soft landscaping of the scheme. It is recommended that tree and hedgerow specifications are made following consultation with guidance published by the Local Planning Authority.
- 6.5 When deciding upon suitable tree species, careful consideration would need to be given to the following: ultimate height and canopy spread, form, habit, density of crown, potential shading effect, colour, water demand, soil type and maintenance requirements in relation to both the built form of the new development and existing properties.

- 6.6 Through careful species selection, the landscape scheme shall reduce the risk of trees being removed in the future on the grounds of nuisance. Nuisance can be perceived in a number of ways and vary from person to person however most commonly, within the context of trees, low overhanging branches, excessive shading, seasonal leaf fall and the misinformed perception that trees close to buildings cause damage.

### **Hedgerows**

- 6.7 Hedgerows are identified as a Habitat of Principal Importance (HPI) as listed within Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006. Consequently, it is important that the proposed scheme delivers a net gain in terms of linear hedgerows through new planting to compensate for any losses. Species should be native, and characteristic of the locality.
- 6.8 Recommended species for native hedgerow planting are as follows:
- *Crataegus monogyna*
  - *Prunus spinosa*
  - *Cornus sanguinea*
  - *Corylus avellana*
  - *Acer campestre*
  - *Euonymus europaeus*

### **Rooting Environment and Soil Volumes**

- 6.9 The success of any landscaping scheme relies on an adequate provision of a high-quality rooting environment within which trees can thrive and reach their full potential. Planting trees with due care and consideration can, in the long term, provide a greater return on a schemes green investment and ensure trees remain healthy and grow to mature proportions. Healthy mature trees integrate well into the built environment; increase the maturity of the landscape; help provide a natural green and leafy urban environment in which people would want to reside whilst also benefiting local wildlife.
- 6.10 The planting of trees within confined urban environments should consider the use of appropriately designed planting pits specifically engineered to promote tree health and longevity. Crucially the aim will be to provide an adequate volume of quality soil for roots to suitably develop by calculating the amount of available soil volumes needed and selecting species whose mature size is compatible with the site. This is an integral component of the planning stage (Lindsey & Bassuk, 1991).

### **General Planting Recommendations**

- 6.11 Wherever possible, following discussions with the developer and utility companies, common service trenches should be specified to minimise land take associated with underground service provision and facilitation access for future maintenance.
- 6.12 Tree planting should be avoided where they may obstruct overhead power lines or cables. Any underground apparatus should be ducted or otherwise protected at the time of construction to enable trees to be planted without resulting in future conflicts.

## 7.0 TREE PROTECTION MEASURES

- 7.1 Retained trees will be adequately protected during works ensuring that the calculated root protection area for all retained trees can be appropriately protected through the erection of the requisite tree protection barriers. Measures to protect trees should follow the guidance in BS5837 and will be applied where necessary for the purpose of protecting trees within the site whilst allowing sufficient access for the implementation of the proposed layout. These have been broadly summarised below.

### General Information and Recommendations

- 7.2 All trees retained on site will be protected by suitable barriers or ground protection measures around the calculated RPA, crown spread of the tree or other defined constraints of this assessment as detailed by section 6 and 7 of BS5837.
- 7.3 Barriers will be erected prior to commencement of any construction work and before demolition including erection of any temporary structures. Once installed, the area protected by fencing or other barriers will be regarded as a construction exclusion zone. Fencing and barriers will not be removed or altered without prior consultation with the Project Arboriculturist.
- 7.4 Any trees that are not to be retained as part of the proposals should be felled prior to the erection of protective barriers. Particular attention needs to be given by site contractors to minimise damage or disturbance to retained specimens.
- 7.5 Where it has been agreed, construction access may take place within the root protection area if suitable ground protection measures are in place. This may comprise single scaffold boards over a compressible layer laid onto a geo-textile membrane for pedestrian movements. Vehicular movements over the root protection area will require the calculation of expected loading and the use of proprietary protection systems.
- 7.6 Confirmation that tree protective fencing or other barriers have been set out correctly should be gained prior to the commencement of site activity.

### Tree Protection Barriers

- 7.7 Tree protection fencing should be fit for the purpose of excluding any type of construction activity and suitable for the degree and proximity of works to retained trees. Barriers must be maintained to ensure that they remain rigid and complete for the duration of construction activities on site.
- 7.8 In most situations, fencing should comprise typical construction fencing panels attached to scaffold poles driven vertically into the ground. For particular areas where construction activity is anticipated to be of a more intense nature, supporting struts, acting as a brace should be added and fixed into position through the application of metal pins driven into the ground to offer additional resistance against impacts.
- 7.9 Where site circumstances and the risk to retained trees do not necessitate the default level of protection an alternative will be specified appropriate to the level / nature of anticipated construction activity. The recommended methods of fencing specifications for this site have been illustrated in Appendix B.

- 7.10 It may be appropriate on some sites to use temporary site offices, hoardings and lower level barrier protection as components of the tree protection barriers. Details of the specific protection barriers for the site can be provided should the application be approved, as part of a site specific Arboricultural Method Statement for a Reserved Matters application and in accordance with the guidance contained within BS5837.

#### **Protection outside the exclusion zone**

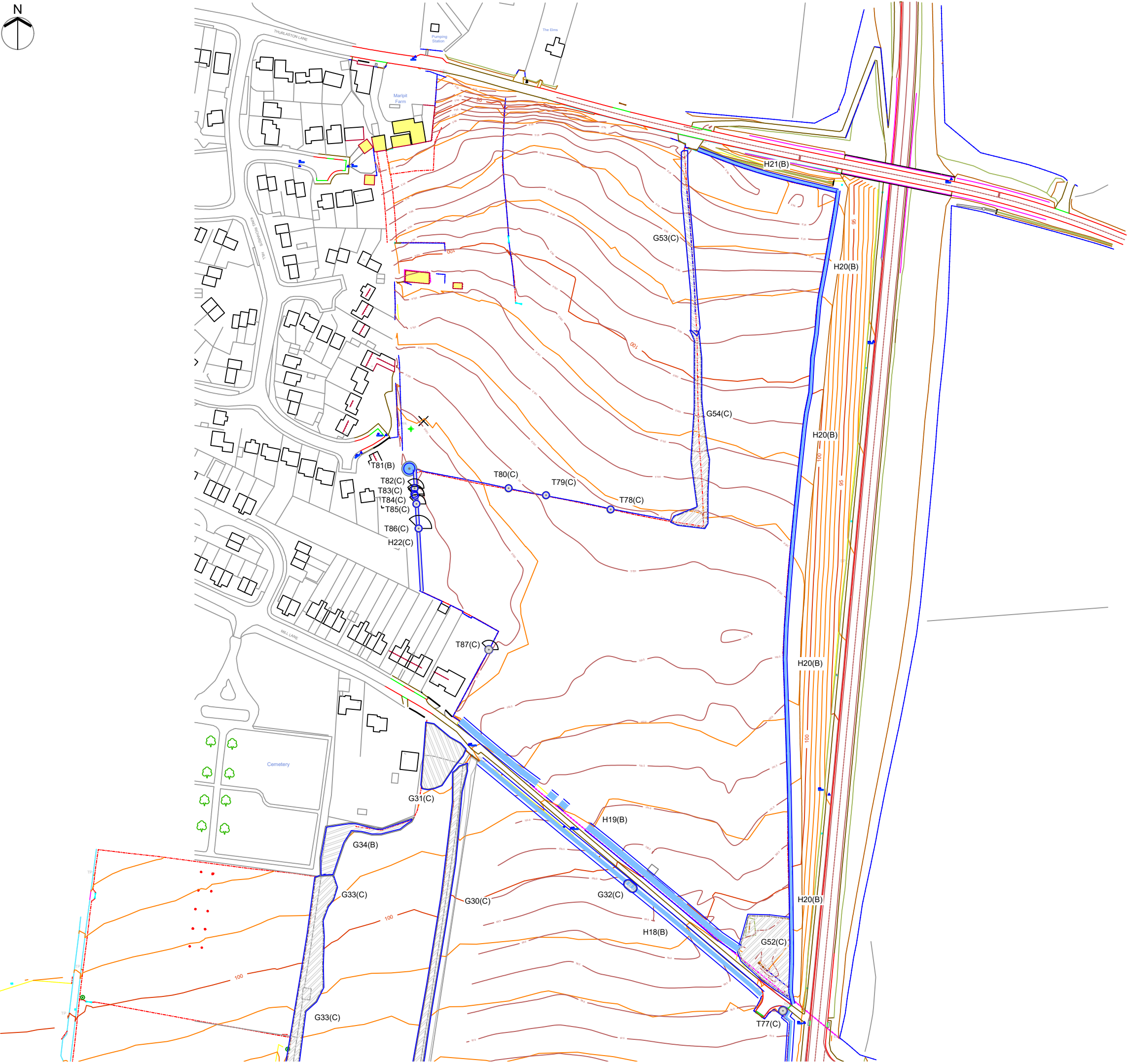
- 7.11 Once the areas around trees have been protected by the barriers, any works on the remaining site area may be commenced providing activities do not impinge on protected areas.
- 7.12 All weather notices should be attached to the protective fencing to indicate that construction activities are not permitted within the fenced area. The area within the protective barriers will then remain a construction exclusion zone throughout the duration of the construction phase of the proposed development. Protection fencing signs can be provided upon request.
- 7.13 Wide or tall loads etc should not come into contact with retained trees. Banksman should supervise transit of vehicles where they are in close proximity to retained trees.
- 7.14 Oil, bitumen, cement or other material that is potentially injurious to trees should not be stacked or discharged within 10m of a tree stem. No concrete should be mixed within 10m of a tree. Allowance should be made for the slope of ground to prevent materials running towards the tree.
- 7.15 Fires on sites should be avoided if possible. Where they are unavoidable, they should not be lit in a position where heat could affect foliage or branches. The potential size of a fire and the wind direction should be taken into account when determining its location, and it should be attended at all times until safe enough to leave.
- 7.16 Notice boards, telephone cables or other services should not be attached to any part of a retained tree.
- 7.17 Any trees which need to be felled adjacent to or are present within a continuous canopy of retained trees, must be removed with due care (it may be necessary to remove such trees in sections).

#### **Protection of Trees Close to the Site**

- 7.18 A number of trees were located on the boundaries of the site and therefore the root protection area and crown spread of these trees will need to be protected in the same way as all the retained trees within the site. All trees located outside the boundaries of the assessment site yet within close proximity to works should be adequately protected during the course of the development by barriers or ground protection around the calculated root protection area.
- 7.19 Any trees which are to be retained and whose Root Protection Areas may be affected by the development should be monitored, during and after construction, to identify any alterations in quality with time and to assess and undertake any remedial works required as a result.

**Protection for Aerial Parts of Retained Trees**

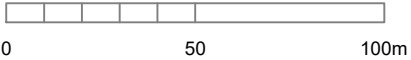
- 7.20 Where it is deemed necessary to operate wide or tall plant within close proximity to trees it is best advised that appropriate, but limited tree surgery, be carried out beforehand to remove any obstructive branches as any such equipment would have potential to cause damage to parts of the crown material, i.e., low branches and limbs, of retained trees within the protective barriers. This is termed as ‘access facilitation pruning’ within BS5837. Any such pruning should be undertaken in accordance with a specification prepared by an arboriculturist.
- 7.21 A pre-commencement site meeting with contractors who are responsible for operating machinery is advised to firstly highlight the potential for damage occurring to tree crowns and to ensure that extra care is applied when manoeuvring machinery during such operations within close proximity to retained trees to avoid any contact.
- 7.22 In the event of having caused any branch or limb damage to retained trees it is strongly recommended that suitable tree surgery be carried out, in accordance with British Standard 3998:2010 and in agreement with the Local Planning Authority prior to correcting the damage, upon completion of development.



KEY

- Category U - Trees / Groups Unsuitable for Retention (BS 5837:2012)
- Category A - Trees / Groups of High Quality (BS 5837:2012)
- Category B - Trees / Groups of Moderate Quality (BS 5837:2012)
- Category C - Trees / Groups of Low Quality (BS 5837:2012)
- Hedgerow (Colour indicates BS5837:2012 Category)
- Root Protection Area (The RPA has been altered where appropriate to reflect underground constraints)
- Individual / Group Number and BS5837:2012 Category
- Indicative Shade Pattern (in accordance with BS5837:2012 where appropriate)

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project  
Land South East of  
Earl Shilton

drawing title  
TREE SURVEY PLAN

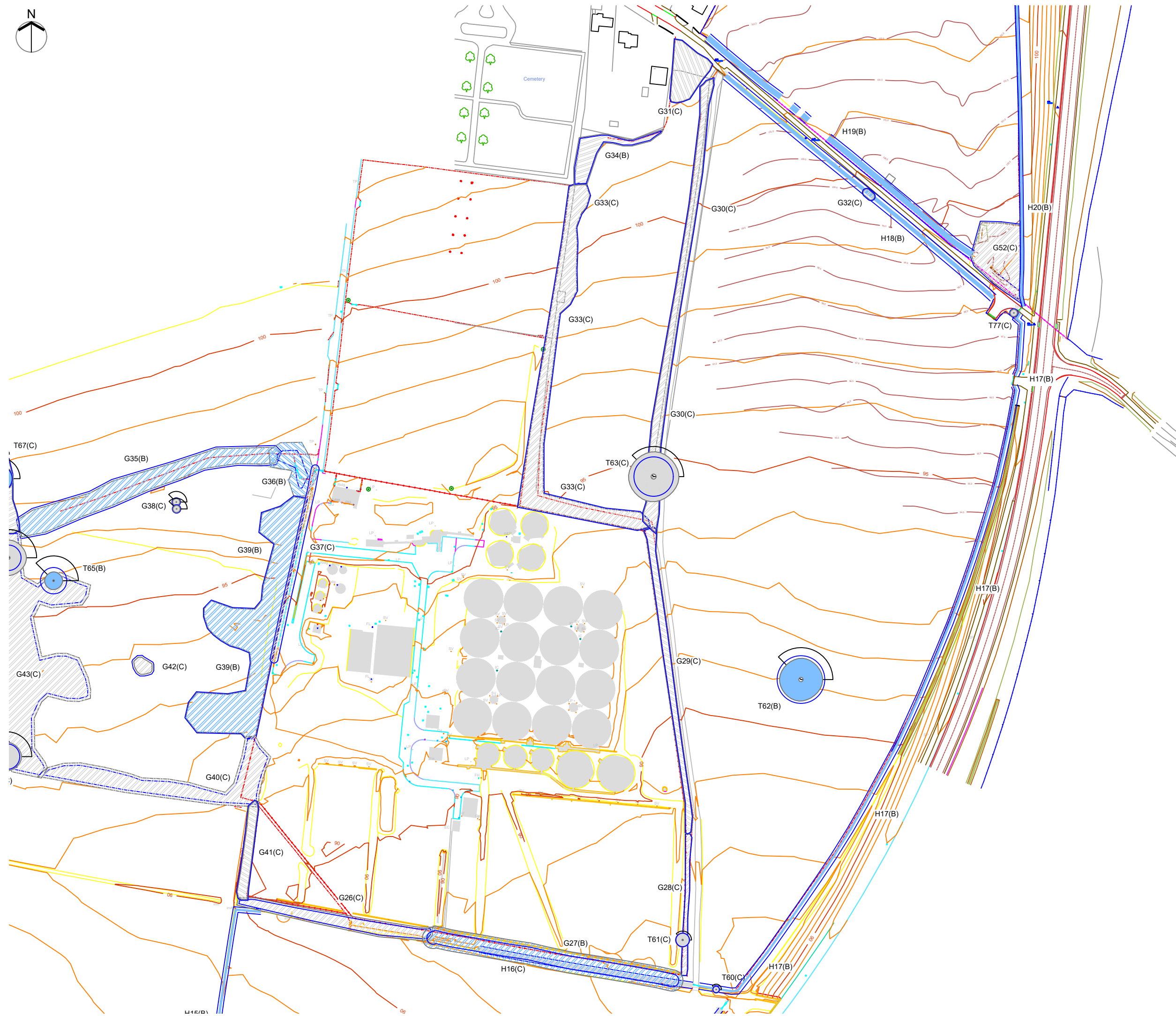
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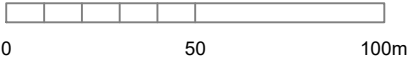
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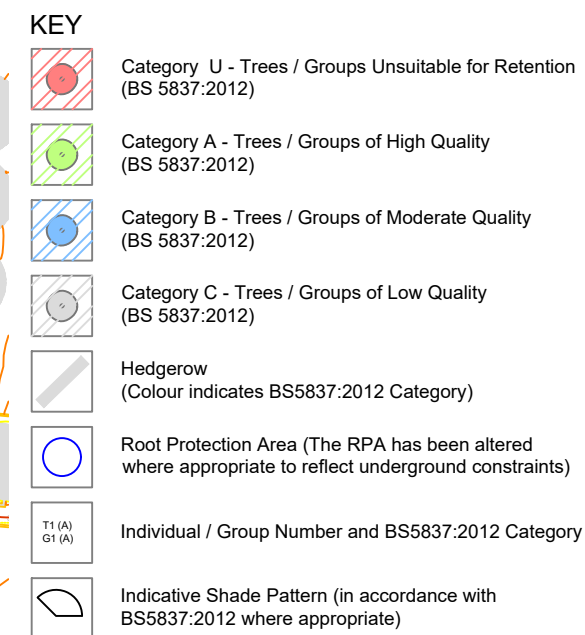
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A horizontal scale bar with a total length of 100m. It is divided into five equal segments, each representing 20m. The first four segments are outlined in black, while the fifth segment is a solid black bar. Below the bar, the numbers 0, 50, and 100m are positioned at the start, the fourth segment boundary, and the end, respectively.

## NOTES

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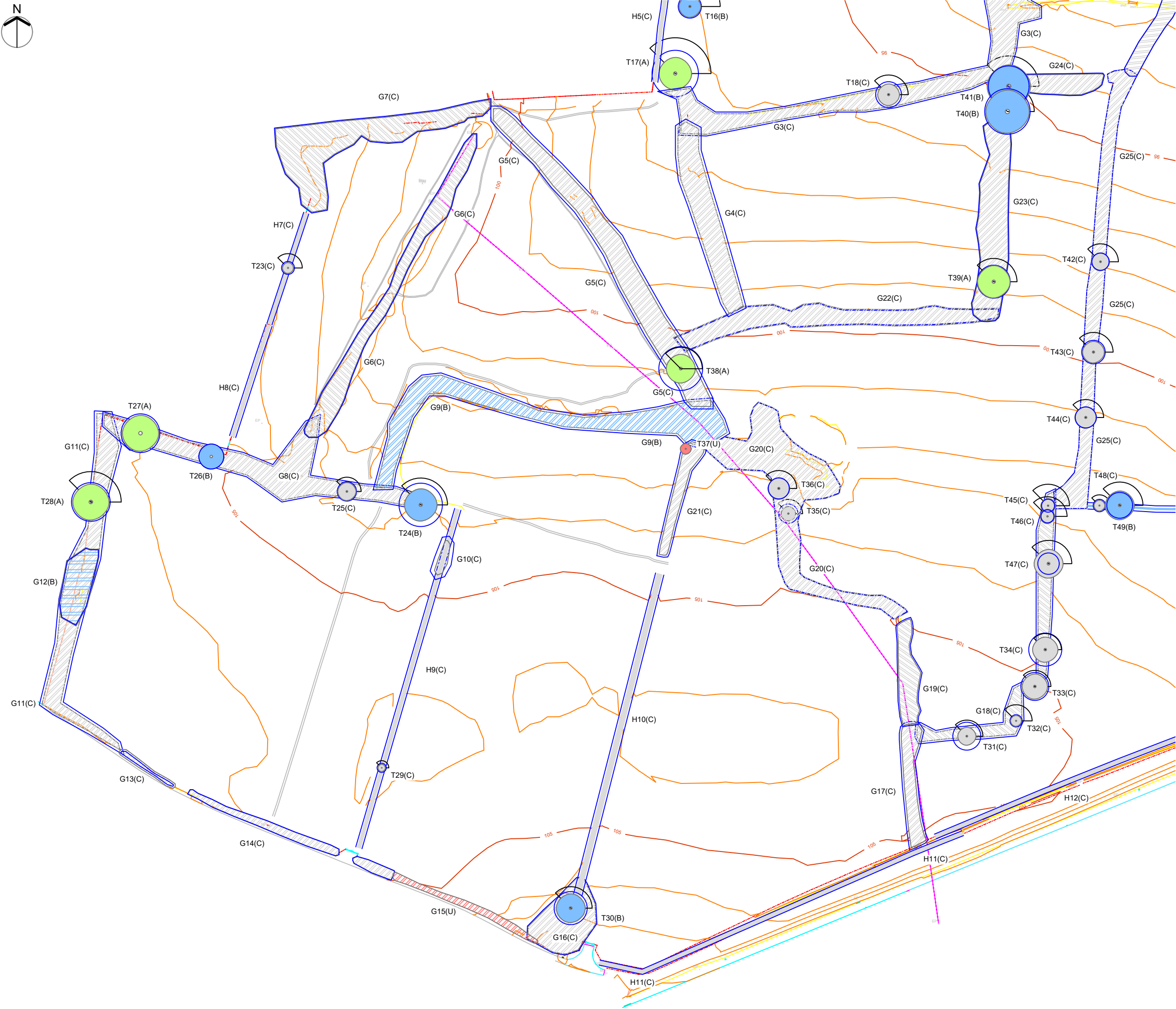
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**KEY**

Category U - Trees / Groups Unsuitable for Retention (BS 5837:2012)

Category A - Trees / Groups of High Quality (BS 5837:2012)

Category B - Trees / Groups of Moderate Quality (BS 5837:2012)

Category C - Trees / Groups of Low Quality (BS 5837:2012)

Hedgerow (Colour indicates BS5837:2012 Category)

Root Protection Area (The RPA has been altered where appropriate to reflect underground constraints)

Individual / Group Number and BS5837:2012 Category

Indicative Shade Pattern (in accordance with BS5837:2012 where appropriate)

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0

50

100m

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KEY

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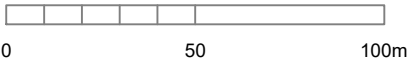
Hedgerow  
(Colour indicates BS5837:2012 Category)
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Root Protection Area (The RPA has been altered  
where appropriate to reflect underground constraints)
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Individual / Group Number and BS5837:2012 Category
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Indicative Shade Pattern (in accordance with  
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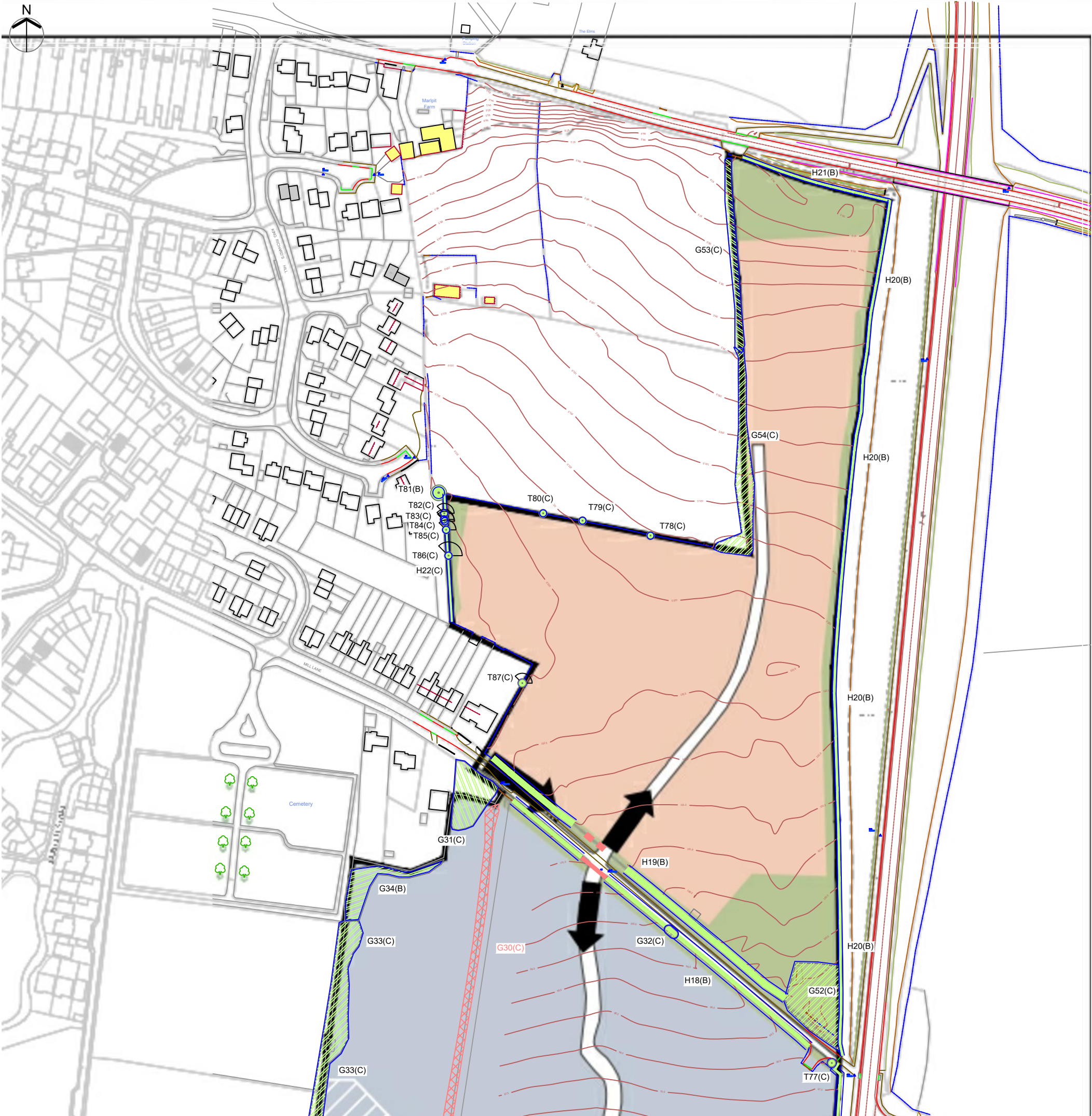
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KEY

Tree/Group to be Retained

Tree/Group proposed to be removed subject to relevant permissions

Category U - Unsuitable for retention on arboricultural grounds

Hedgerow Proposed to be Retained and Incorporated into the New Development

Hedgerow proposed to be removed subject to relevant permissions

Root Protection Area (Shown for retained trees only)

T1 (A)

G1 (A)

Individual / Group Number and BS Category

T1 (A)

G1 (A)

Individual / Group Number to be Removed and BS 5837:2012 Category

Indicative Shade Pattern (in accordance with BS5837:2012 where appropriate)

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client  
Bloor Homes Midlands

project  
Land South East of Earl Shilton

drawing title  
TREE RETENTION PLAN

scale  
1:2000 @ A3

drawn/checked  
TCB / AW

date  
Sept 2023

drawing number  
**9924-T-06**

rev  
**A**

CAD file: K:\9900\9924\ARB\Plans\Tree Retention Plan.dwg



KEY

Tree/Group to be Retained

Tree/Group proposed to be removed subject to relevant permissions

Category U - Unsuitable for retention on arboricultural grounds

Hedgerow Proposed to be Retained and Incorporated into the New Development

Hedgerow proposed to be removed subject to relevant permissions

Root Protection Area  
(Shown for retained trees only)

T1 (A)  
G1 (A)

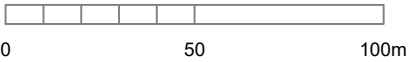
Individual / Group Number and BS Category

T1 (A)  
G1 (A)

Individual / Group Number to be Removed and BS 5837:2012 Category

Indicative Shade Pattern (in accordance with BS5837:2012 where appropriate)

Scale 1:2000 @ A3



**NOTES**

All dimensions to be verified on site. Do not scale this drawing, use figured dimensions only. All discrepancies to be clarified with project Arboriculturalist. Drawing to be read in conjunction with Arboricultural Assessment and Appendix A - Tree Schedule.

Drawing has been produced in colour and is based on digital information in .dwg format, aerial images and/or GPS location where appropriate. A monochrome copy should not be relied upon. The exact position of individual trees or species included as part of a tree group, woodland or hedgerow should be checked and verified on site prior to any decisions for foundation design, tree operations or construction activity being undertaken. Further survey work would be required for calculating foundation depths.

Trees are living organisms that change over time, the condition of all trees illustrated herein, are to be checked by the project Arboriculturalist should works commence 12 months after the date of this survey.

SOME TREES MAY BE SUBJECT TO STATUTORY CONSTRAINTS. IT IS THEREFORE ADVISED THAT NO WORKS SHOULD BE UNDERTAKEN TO ANY TREES ILLUSTRATED HEREIN WITHOUT FIRST OBTAINING THE RELEVANT AUTHORISATION TO DO SO UNLESS AGREED AS PER THE APPROVED PLANS THROUGH PLANNING CONSENT.

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0

50

100m

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TCB / AW

date

Sept 2023

drawing number

9924-T-08

rev

A

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Indicative Shade Pattern (in accordance with BS5837:2012 where appropriate)

Scale 1:2000 @ A3

050100m

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CAD file:

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## Appendix A - Tree Schedule

| Measurements                                                                                                                                           | Age Classes                                                                                                                                                                                                                               | Quality Assessment of BS Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ULE (relates to BS Category) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Height</b> - Measured using a digital laser clinometer (m)                                                                                          | <b>YNG:</b> Establishing, typically with good vigour and fast growth rates and strong apical dominance; c. less than 1/3 life expectancy                                                                                                  | <b>Category U</b> - Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.                                                                                                                                                                                                                                                                                                                                      | <10 years                    |
| <b>Stem Dia.</b> - Diameter measured (mm) in accordance with Annex C of the BS5837                                                                     | <b>SM:</b> Semi-mature trees less than 1/3 life expectancy                                                                                                                                                                                | <b>Category A</b> - Trees of high quality with an estimated remaining life expectancy of at least 40 years.                                                                                                                                                                                                                                                                                                                                                                                                    | 40+ years                    |
| <b>Crown Radius</b> - Measured using a digital laser clinometer radially from the main stem (m)                                                        | <b>EM:</b> Established, typically vigorous and increasing in apical height and lateral spread; 1/3 - 2/3 life expectancy. Offers landscape significance                                                                                   | <b>Category B</b> - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.                                                                                                                                                                                                                                                                                                                                                                                                | 20-40 years                  |
| <b>Abbreviations</b><br><br>est - Estimated stem diameter<br>avg - Average stem diameter for multiple stems<br>upto - Maximum stem diameter of a group | <b>M:</b> Fully established over 2/3 life expectancy, generally good vigour and achieving full height potential with crown still spreading                                                                                                | <b>Category C</b> - Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.                                                                                                                                                                                                                                                                                                                                                    | 10-20 years                  |
|                                                                                                                                                        | <b>OM:</b> Fully mature, at the extremes of expected life expectancy, vigour decreasing, declining or moribund                                                                                                                            | Sub-categories: (i) - Mainly arboricultural value<br>(ii) - Mainly landscape value<br>(iii) - Mainly cultural or conservation value                                                                                                                                                                                                                                                                                                                                                                            |                              |
|                                                                                                                                                        | <b>V:</b> biological, cultural or aesthetic value comprising niche saproxylic habitat. Individuals of large proportions (stem girth) in comparison to trees of the same species/surviving beyond the typical age range for their species. | <b>The BS category particular consideration has been given to the following:</b> <ul style="list-style-type: none"> <li>• The presence of any structural defects in each tree/group and its future life expectancy</li> <li>• The size and form of each tree/group and its suitability within the context of a proposed development</li> <li>• The location of each tree relative to existing site features e.g. its screening value or landscape features</li> <li>• Age class and life expectancy</li> </ul> |                              |

| Structural Condition                                                                                      | Physiological Condition                                                                    |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Good</b> - No significant structural defects                                                           | <b>Good</b> - No significant health problems                                               |
| <b>Fair</b> - Structural defects that can be remediated                                                   | <b>Fair</b> - Symptoms of ill-health that can be remediated                                |
| <b>Poor</b> - Significant defects beyond remediation, present a risk of failure in the foreseeable future | <b>Poor</b> - Significant ill-health. Unlikely the tree will recover in the long term      |
| <b>Dead</b> - Dead tree with structural integrity of tree severely compromised                            | <b>Advanced Decline / Dead</b> - Advanced state of decline and unlikely to recover or Dead |

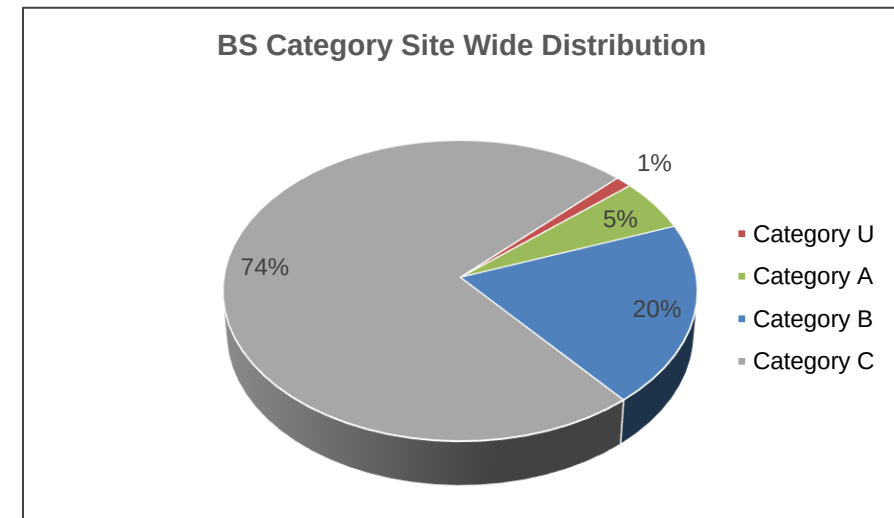
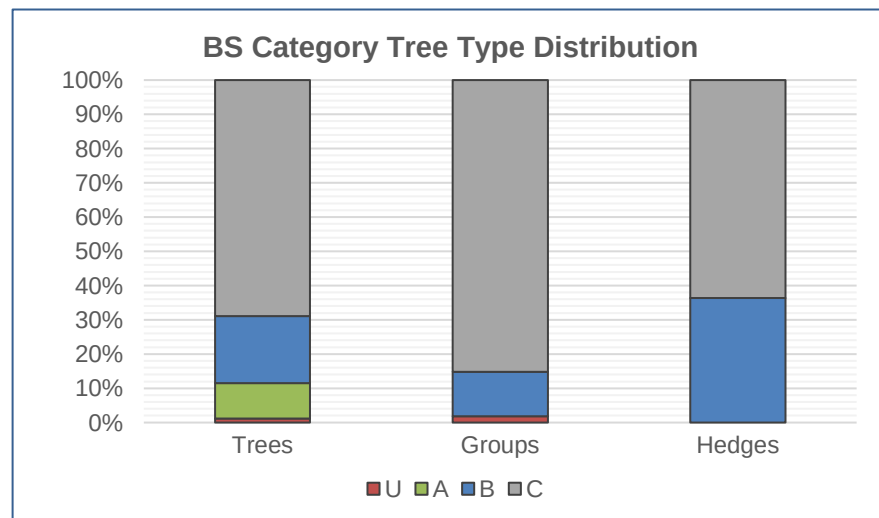
| Root Protection Area (RPA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• The RPA Radius column provides the extent of an equivalent circle from the centre of the stem (m).</li> <li>• The RPA is calculated using the formulae described in paragraph 4.6.1 of British Standard 5837: 2012 and is indicative of the rooting area required for a tree to be successfully retained. Tree roots extend beyond the calculated RPA in many cases and where possible a greater distance should be protected.</li> <li>• Where veteran trees have been identified the RPA has been calculated in accordance with Natural England guidance i.e. 15x the stem diameter, uncapped.</li> </ul> |

**Appendix Summary**

|            | Individual Trees                                                                                                                                                                                                                                                                                       | Totals    | Tree Groups and Hedgerows                                                                                                                                                                                                                                                                  | Totals    |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Category U | T37                                                                                                                                                                                                                                                                                                    | 1         | G15                                                                                                                                                                                                                                                                                        | 1         |
| Category A | T1, T5, T6, T17, T27, T28, T38, T39, T51                                                                                                                                                                                                                                                               | 9         |                                                                                                                                                                                                                                                                                            | 0         |
| Category B | T2, T9, T16, T20, T24, T26, T30, T40, T41, T49, T52, T53, T62, T65, T66, T72, T81                                                                                                                                                                                                                      | 17        | G9, G12, G27, G34, G35, G36, G39, H6, H13, H15, H17, H18, H19, H20, H21                                                                                                                                                                                                                    | 15        |
| Category C | T3, T4, T7, T8, T10, T11, T12, T13, T14, T15, T18, T19, T21, T22, T23, T25, T29, T31, T32, T33, T34, T35, T36, T42, T43, T44, T45, T46, T47, T48, T50, T54, T55, T56, T57, T58, T59, T60, T61, T63, T64, T67, T68, T69, T70, T71, T73, T74, T75, T76, T77, T78, T79, T80, T82, T83, T84, T85, T86, T87 | 60        | G1, G2, G3, G4, G5, G6, G7, G8, G10, G11, G13, G14, G16, G17, G18, G19, G20, G21, G22, G23, G24, G25, G26, G28, G29, G30, G31, G32, G33, G37, G38, G40, G41, G42, G43, G44, G45, G46, G47, G48, G49, G50, G51, G52, G53, G54, H1, H2, H3, H4, H5, H7, H8, H9, H10, H11, H12, H14, H16, H22 | 60        |
|            | <b>Total</b>                                                                                                                                                                                                                                                                                           | <b>87</b> | <b>Total</b>                                                                                                                                                                                                                                                                               | <b>76</b> |

**BS Category Tree Type Distribution** displays the proportion of trees assessed in each type to enable a better understanding of the category distribution.

**BS Category Site Wide Distribution** shows the proportion of trees assessed in each category across the whole site which allows an interpretation of the site's overall quality.



| Tree No                 | Species                          | Height | Stem Dia. | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                        | RPA | RPA Radius | BS5837 Cat |
|-------------------------|----------------------------------|--------|-----------|--------------|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| <b>INDIVIDUAL TREES</b> |                                  |        |           |              |           |                   |                                                                                                                                                                                                                             |     |            |            |
| T1                      | Silver Maple<br>Acer saccharinum | 17     | 800       | 10           | M         | G                 | Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Situated offsite                                                                                       | 290 | 9.6        | A (i)      |
| T2                      | Norway Maple<br>Acer platanoides | 12     | 540       | 7            | M         | G                 | Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Situated offsite                                                                                       | 132 | 6.5        | B (i)      |
| T3                      | Norway Maple<br>Acer platanoides | 5      | 270       | 4            | SM        | G                 | Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Situated offsite                                                                                       | 33  | 3.2        | C (i)      |
| T4                      | English Oak<br>Quercus robur     | 13     | 680       | 8            | M         | P                 | Branch stubs evident<br>Crown had been heavily reduced<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted | 209 | 8.2        | C (i)      |
| T5                      | English Oak<br>Quercus robur     | 15     | 1010      | 12           | M         | F                 | Branch stubs evident<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Typical crown form                                    | 461 | 12.1       | A (i)      |
| T6                      | English Oak<br>Quercus robur     | 18     | 1020      | 10           | M         | F                 | Branch stubs evident<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Typical crown form                                    | 471 | 12.2       | A (i)      |

| Tree No | Species                                 | Height | Stem Dia.  | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                         | RPA | RPA Radius | BS5837 Cat |
|---------|-----------------------------------------|--------|------------|--------------|-----------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T7      | Field Maple<br><i>Acer campestre</i>    | 4      | 250        | 3            | M         | P                 | Branch stubs evident<br>Crossing and rubbing branches<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>Suppressed crown form | 28  | 3.0        | C (i)      |
| T8      | English Oak<br><i>Quercus robur</i>     | 6      | 180        | 2            | SM        | P                 | Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Pruning wounds noted<br>Situating offsite<br>Suppressed crown form                                     | 15  | 2.2        | C (i)      |
| T9      | Ash<br><i>Fraxinus excelsior</i>        | 12     | 580        | 8            | M         | F                 | Bark wounds noted<br>Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Suppressed crown form                                              | 152 | 7.0        | B (i)      |
| T10     | Sycamore<br><i>Acer pseudoplatanus</i>  | 10     | 300<br>300 | 6            | EM        | F                 | Epicormic growth evident within the crown<br>Pruning wounds noted<br>Situating offsite                                                                                                                       | 81  | 5.1        | C (i)      |
| T11     | Hawthorn<br><i>Crataegus monogyna</i>   | 4      | 6x 80      | 3            | M         | F                 | Branch stubs evident<br>Crossing and rubbing branches                                                                                                                                                        | 17  | 2.4        | C (i)      |
| T12     | Norway Maple<br><i>Acer platanoides</i> | 8      | 320        | 5            | EM        | F                 | Branch stubs evident<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted                                                                                                                 | 46  | 3.8        | C (i)      |
| T13     | Norway Maple<br><i>Acer platanoides</i> | 10     | est<br>450 | 7            | EM        | F                 | Branch stubs evident<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted                                                                                                                 | 92  | 5.4        | C (i)      |

| Tree No | Species                                 | Height | Stem Dia. | Crown Radius                     | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                     | RPA | RPA Radius | BS5837 Cat |
|---------|-----------------------------------------|--------|-----------|----------------------------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T14     | Norway Maple<br><i>Acer platanoides</i> | 10     | 400       | N - 7<br>S - 1<br>E - 7<br>W - 7 | EM        | F                 | Branch stubs evident<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted                                                                                                                                                                                                                                                             | 72  | 4.8        | C (i)      |
| T15     | Silver Birch<br><i>Betula pendula</i>   | 11     | est 350   | 4                                | M         | F                 | Branch stubs evident<br>Light ivy cover<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted                                                                                                                                                                                                                                          | 55  | 4.2        | C (i)      |
| T16     | Alder<br><i>Alnus glutinosa</i>         | 17     | 540       | 6                                | M         | F                 | Branch stubs evident<br>Characteristic for species<br>Crossing and rubbing branches<br>Minor dead wood evident in the crown (<75mm)<br>No major defects were noted                                                                                                                                                                                       | 132 | 6.5        | B (i)      |
| T17     | English Oak<br><i>Quercus robur</i>     | 20     | 1080      | 9                                | M         | F                 | Branch socket cavities observed<br>Branch stubs evident<br>Broken branches evident<br>Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>Potential Roost Features (PRF)<br>Pruning wounds noted<br>Woodpecker holes observed                                                                                   | 528 | 13.0       | A (i)      |
| T18     | Ash<br><i>Fraxinus excelsior</i>        | 11     | 600       | 6                                | M         | P                 | Bark wounds noted<br>Basal cavity observed<br>Basal suckers present<br>Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Light ivy cover<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm) | 163 | 7.2        | C (i)      |

| Tree No | Species                      | Height | Stem Dia.  | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                     | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|------------|--------------|-----------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T19     | Ash<br>Fraxinus excelsior    | 18     | est<br>800 | 9            | M         | P                 | Branch stubs evident<br>Broken branches evident<br>Dense ivy cover on main stem<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Inonotus hispidus Shaggy bracket present | 290 | 9.6        | C (i)      |
| T20     | Ash<br>Fraxinus excelsior    | 17     | est<br>800 | 9            | M         | F                 | Branch stubs evident<br>Dense ivy cover on main stem<br>Epicormic growth evident within the crown<br>Low crown form<br>Minor dead wood evident in the crown (<75mm)                                                                                                      | 290 | 9.6        | B (i)      |
| T21     | Ash<br>Fraxinus excelsior    | 11     | 550        | 4            | EM        | P                 | Branch socket cavities observed<br>Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Low crown form<br>Minor dead wood evident in the crown (<75mm)                                         | 137 | 6.6        | C (i)      |
| T22     | English Oak<br>Quercus robur | 11     | 820        | 7            | M         | P                 | Branch stubs evident<br>Crossing and rubbing branches<br>Dense ivy cover on main stem<br>Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)                                                                                       | 304 | 9.8        | C (i)      |
| T23     | Wild Cherry<br>Prunus avium  | 8      | est<br>300 | 3            | M         | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Situated offsite                                                                                                                                                                                       | 41  | 3.6        | C (i)      |

| Tree No | Species                      | Height | Stem Dia.      | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                      | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|----------------|--------------|-----------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T24     | Ash<br>Fraxinus excelsior    | 15     | 1010           | 9            | M         | F                 | Branch socket cavities observed<br>Branch stubs evident<br>Broken branches evident<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Potential Roost Features (PRF)<br>Pruning wounds noted | 461 | 12.1       | B (i)      |
| T25     | Ash<br>Fraxinus excelsior    | 8      | est 450        | 5            | M         | P                 | Base obscured<br>Crossing and rubbing branches<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)             | 92  | 5.4        | C (i)      |
| T26     | English Oak<br>Quercus robur | 9      | est 580        | 7            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Minor dead wood evident in the crown (<75mm)                                                                                                                     | 152 | 7.0        | B (i)      |
| T27     | English Oak<br>Quercus robur | 17     | est 900        | 10           | M         | F                 | Base obscured<br>Branch stubs evident<br>Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>No major defects were noted                                                                                                                         | 366 | 10.8       | A (i)      |
| T28     | English Oak<br>Quercus robur | 17     | est 900        | 10           | M         | F                 | Base obscured<br>Branch stubs evident<br>Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>No major defects were noted<br>Situated offsite<br>Unable to gain access                                                                            | 366 | 10.8       | A (i)      |
| T29     | Holly<br>Ilex aquifolium     | 4      | est 150<br>150 | 2            | M         | F                 | Base obscured<br>Crossing and rubbing branches<br>Low crown form                                                                                                                                                                                                                          | 20  | 2.5        | C (i)      |

| Tree No | Species                      | Height | Stem Dia.  | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                           | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|------------|--------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T30     | English Oak<br>Quercus robur | 12     | 770        | 8            | M         | F                 | Branch stubs evident<br>Dense undergrowth at the base<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>No major defects were noted                                                                                                     | 268 | 9.2        | B (i)      |
| T31     | Ash<br>Fraxinus excelsior    | 9      | 650        | 5            | M         | P                 | Bark wounds noted<br>Basal cavity observed<br>Basal suckers present<br>Branch stubs evident<br>Broken branches evident<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Inonotus hispidus Shaggy bracket present               | 191 | 7.8        | C (i)      |
| T32     | Ash<br>Fraxinus excelsior    | 9      | 200<br>200 | 3            | EM        | F                 | Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Flail damage evident<br>Twin stemmed from base                                                                                                                                                                                                                                   | 36  | 3.4        | C (i)      |
| T33     | Ash<br>Fraxinus excelsior    | 9      | 650        | 7            | M         | P                 | Bark wounds noted<br>Branch stubs evident<br>Broken branches evident<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Heartwood exposed<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Multiple fruiting brackets on main stem<br>Inonotus hispidus Shaggy bracket present | 191 | 7.8        | C (i)      |

| Tree No | Species                      | Height | Stem Dia.     | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                                                          | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|---------------|--------------|-----------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T34     | Ash<br>Fraxinus excelsior    | 9      | 770           | 7            | M         | P                 | Bark wounds noted<br>Branch stubs evident<br>Broken branches evident<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Heartwood exposed<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Potential Roost Features (PRF)<br>Woodpecker holes observed<br>Multiple fruiting brackets on main stem<br>Inonotus hispidus Shaggy bracket present | 268 | 9.2        | C (i)      |
| T35     | English Oak<br>Quercus robur | 8      | 450           | 4            | EM        | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Established ivy cover<br>Flail damage evident<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                                                                                                               | 92  | 5.4        | C (i)      |
| T36     | Ash<br>Fraxinus excelsior    | 10     | est<br>6x 200 | 6            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Established ivy cover<br>Minor dead wood evident in the crown (<75mm)<br>Multi stemmed from base                                                                                                                                                                                                                                           | 109 | 5.9        | C (i)      |
| T37     | English Oak<br>Quercus robur | 8      | 400           | 3            | EM        | D                 | Dense undergrowth at the base<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Unable to gain access                                                                                                                                                                                                                                                                        | N/A | N/A        | U          |
| T38     | English Oak<br>Quercus robur | 12     | 1020          | 8            | M         | F                 | Bark wounds noted<br>Branch stubs evident<br>Epicormic growth evident within the crown<br>Low crown form<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>No major defects were noted                                                                                                                                                                                       | 471 | 12.2       | A (i)      |

| Tree No | Species                             | Height | Stem Dia. | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                   | RPA | RPA Radius | BS5837 Cat |
|---------|-------------------------------------|--------|-----------|--------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T39     | English Oak<br><i>Quercus robur</i> | 13     | 770       | 9            | M         | F                 | Bark wounds noted<br>Branch stubs evident<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                                                 | 268 | 9.2        | A (i)      |
| T40     | Ash<br><i>Fraxinus excelsior</i>    | 15     | 1060      | 12           | M         | F                 | Bark wounds noted<br>Branch stubs evident<br>Broken branches evident<br>Dense undergrowth at the base<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Inonotus hispidus Shaggy bracket present                                                                | 508 | 12.7       | B (i)      |
| T41     | Ash<br><i>Fraxinus excelsior</i>    | 17     | est 950   | 12           | M         | F                 | Bark wounds noted<br>Branch stubs evident<br>Broken branches evident<br>Dense undergrowth at the base<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Potential Roost Features (PRF)<br>Woodpecker holes observed<br>Inonotus hispidus Shaggy bracket present | 408 | 11.4       | B (i)      |
| T42     | Ash<br><i>Fraxinus excelsior</i>    | 10     | est 400   | 5            | M         | P                 | Bark wounds noted<br>Basal suckers present<br>Base obscured<br>Branch stubs evident<br>Broken branches evident<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Inonotus hispidus Shaggy bracket present                                               | 72  | 4.8        | C (i)      |

| Tree No | Species                   | Height | Stem Dia.     | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                            | RPA | RPA Radius | BS5837 Cat |
|---------|---------------------------|--------|---------------|--------------|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T43     | Ash<br>Fraxinus excelsior | 11     | est<br>550    | 6            | M         | P                 | Bark wounds noted<br>Base obscured<br>Branch stubs evident<br>Broken branches evident<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Inonotus hispidus Shaggy bracket present | 137 | 6.6        | C (i)      |
| T44     | Ash<br>Fraxinus excelsior | 10     | est<br>6x 200 | 6            | M         | P                 | Bark wounds noted<br>Base obscured<br>Branch stubs evident<br>Broken branches evident<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)                                             | 109 | 5.9        | C (i)      |
| T45     | Ash<br>Fraxinus excelsior | 12     | 300           | 4            | EM        | F                 | Branch stubs evident<br>Dense undergrowth at the base<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                                                           | 41  | 3.6        | C (i)      |
| T46     | Ash<br>Fraxinus excelsior | 11     | 300           | 4            | EM        | F                 | Branch stubs evident<br>Dense undergrowth at the base<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                                                           | 41  | 3.6        | C (i)      |
| T47     | Ash<br>Fraxinus excelsior | 13     | 500           | 8            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Dense undergrowth at the base<br>Established ivy cover<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)                                                                                                       | 113 | 6.0        | C (i)      |
| T48     | Ash<br>Fraxinus excelsior | 6      | 290           | 3            | EM        | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Flail damage evident<br>Included bark union                                                                                                                                                               | 38  | 3.5        | C (i)      |

| Tree No | Species                      | Height | Stem Dia. | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                    | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|-----------|--------------|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T49     | English Oak<br>Quercus robur | 13     | 600       | 8            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted | 163 | 7.2        | B (i)      |
| T50     | English Oak<br>Quercus robur | 7      | 300       | 4            | SM        | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted | 41  | 3.6        | C (i)      |
| T51     | English Oak<br>Quercus robur | 13     | 600       | 8            | M         | G                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted | 163 | 7.2        | A (i)      |

| Tree No | Species                      | Height | Stem Dia. | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|-----------|--------------|-----------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T52     | English Oak<br>Quercus robur | 13     | 550       | 7            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted                                             | 137 | 6.6        | B (i)      |
| T53     | Ash<br>Fraxinus excelsior    | 13     | 620       | 8            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted                                             | 174 | 7.4        | B (i)      |
| T54     | Ash<br>Fraxinus excelsior    | 12     | 480       | 6            | EM        | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Inonotus hispidus Shaggy bracket present | 104 | 5.8        | C (i)      |

| Tree No | Species                   | Height | Stem Dia. | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                | RPA | RPA Radius | BS5837 Cat |
|---------|---------------------------|--------|-----------|--------------|-----------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T55     | Ash<br>Fraxinus excelsior | 13     | 590       | 8            | EM        | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Inonotus hispidus Shaggy bracket present | 157 | 7.1        | C (i)      |
| T56     | Ash<br>Fraxinus excelsior | 15     | 520       | 8            | EM        | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Inonotus hispidus Shaggy bracket present | 122 | 6.2        | C (i)      |
| T57     | Ash<br>Fraxinus excelsior | 15     | 610       | 8            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Inonotus hispidus Shaggy bracket present | 168 | 7.3        | C (i)      |

| Tree No | Species                      | Height | Stem Dia. | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|-----------|--------------|-----------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T58     | Ash<br>Fraxinus excelsior    | 13     | 640       | 8            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Inonotus hispidus Shaggy bracket present | 185 | 7.7        | C (i)      |
| T59     | Ash<br>Fraxinus excelsior    | 13     | 580       | 8            | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Flail damage evident<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Inonotus hispidus Shaggy bracket present | 152 | 7.0        | C (i)      |
| T60     | English Oak<br>Quercus robur | 3      | 150       | 2            | SM        | P                 | Branch stubs evident<br>Crossing and rubbing branches<br>Flail damage evident<br>Low crown form                                                                                                                                                                                                                                                                                     | 10  | 1.8        | C (i)      |
| T61     | Goat Willow<br>Salix caprea  | 5      | 10x 100   | 4            | M         | P                 | Branch stubs evident<br>Crossing and rubbing branches<br>Flail damage evident<br>Low crown form                                                                                                                                                                                                                                                                                     | 45  | 3.8        | C (i)      |

| Tree No | Species                                  | Height | Stem Dia.         | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                    | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------------------|--------|-------------------|--------------|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T62     | English Oak<br>Quercus robur             | 18     | 1120              | 12           | M         | F                 | Branch socket cavities observed<br>Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Multi leadered form<br>Pruning wounds noted                                                                                        | 567 | 13.4       | B (i)      |
| T63     | Ash<br>Fraxinus excelsior                | 17     | est<br>650<br>660 | 14           | M         | P                 | Basal suckers present<br>Branch socket cavities observed<br>Branch stubs evident<br>Broken branches evident<br>Dense ivy cover on main stem<br>Dense undergrowth at the base<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>One stem has failed at 3m | 388 | 11.1       | C (i)      |
| T64     | Ash<br>Fraxinus excelsior                | 14     | est<br>600        | 8            | M         | P                 | Base obscured<br>Branch stubs evident<br>Broken branches evident<br>Dense undergrowth at the base<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                 | 163 | 7.2        | C (i)      |
| T65     | Wellingtonia<br>Sequoiadendron giganteum | 14     | 620               | 5            | EM        | F                 | Branch stubs evident<br>Characteristic for species<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                                                                                                                                      | 174 | 7.4        | B (i)      |
| T66     | English Oak<br>Quercus robur             | 12     | 630               | 8            | EM        | F                 | Branch stubs evident<br>Characteristic for species<br>Epicormic growth evident within the crown<br>Low crown form<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                                                                       | 180 | 7.6        | B (i)      |

| Tree No | Species                      | Height | Stem Dia. | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                         | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------|--------|-----------|--------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T67     | English Oak<br>Quercus robur | 7      | 250       | 3            | SM        | F                 | Branch stubs evident<br>Characteristic for species<br>Epicormic growth evident within the crown<br>Low crown form<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                                                                            | 28  | 3.0        | C (i)      |
| T68     | Ash<br>Fraxinus excelsior    | 16     | est 600   | 10           | M         | F                 | Base obscured<br>Branch stubs evident<br>Characteristic for species<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Low crown form<br>Minor dead wood evident in the crown (<75mm)                                                                                                                | 163 | 7.2        | C (i)      |
| T69     | Ash<br>Fraxinus excelsior    | 14     | est 500   | 5            | EM        | F                 | Base obscured<br>Branch stubs evident<br>Characteristic for species<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Low crown form<br>Minor dead wood evident in the crown (<75mm)                                                                                                                | 113 | 6.0        | C (i)      |
| T70     | Ash<br>Fraxinus excelsior    | 12     | est 600   | 8            | M         | P                 | Basal cavity observed<br>Basal suckers present<br>Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Established ivy cover<br>Low crown form<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm) | 163 | 7.2        | C (i)      |

| Tree No | Species                             | Height | Stem Dia.  | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                 | RPA | RPA Radius | BS5837 Cat |
|---------|-------------------------------------|--------|------------|--------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T71     | English Oak<br><i>Quercus robur</i> | 10     | est 600    | 6            | M         | F                 | Base obscured<br>Crossing and rubbing branches<br>Dense ivy cover on main stem<br>Dense undergrowth at the base<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)                                                                        | 163 | 7.2        | C (i)      |
| T72     | English Oak<br><i>Quercus robur</i> | 12     | est 700    | 8            | M         | F                 | Base obscured<br>Dense undergrowth at the base<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)                                                                                                                                                                          | 222 | 8.4        | B (i)      |
| T73     | Ash<br><i>Fraxinus excelsior</i>    | 15     | est 700    | 6            | M         | P                 | Base obscured<br>Dense ivy cover on main stem<br>Dense undergrowth at the base<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Major dead wood evident in the crown (>75mm)<br>Minor dead wood evident in the crown (<75mm)<br>Specimen in extensive decline                                                                        | 222 | 8.4        | C (i)      |
| T74     | Holly<br><i>Ilex aquifolium</i>     | 8      | est 6x 100 | 4            | M         | F                 | Base obscured<br>Dense undergrowth at the base<br>Multi stemmed from base                                                                                                                                                                                                                                                                                            | 27  | 2.9        | C (i)      |
| T75     | Ash<br><i>Fraxinus excelsior</i>    | 12     | est 800    | 2            | M         | P                 | Bark wounds noted<br>Base obscured<br>Branch stubs evident<br>Crown had been topped<br>Delaminating bark on main stem<br>Dieback of the crown observed<br>Epicormic growth evident within the crown<br>Minor dead wood evident in the crown (<75mm)<br>Pruning wounds noted<br>Situated offsite<br>Unable to gain access<br>Inonotus hispidus Shaggy bracket present | 290 | 9.6        | C (i)      |

| Tree No | Species                                  | Height | Stem Dia.    | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                   | RPA | RPA Radius | BS5837 Cat |
|---------|------------------------------------------|--------|--------------|--------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| T76     | Horse Chestnut<br>Aesculus hippocastanum | 8      | 400          | 3            | EM        | P                 | Branch stubs evident<br>Crossing and rubbing branches<br>Dense ivy cover on main stem<br>Dense undergrowth at the base                 | 72  | 4.8        | C (i)      |
| T77     | Goat Willow<br>Salix caprea              | 5      | 6x 80        | 2            | EM        | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Minor dead wood evident in the crown (<75mm)                                  | 17  | 2.4        | C (i)      |
| T78     | Hawthorn<br>Crataegus monogyna           | 3      | est<br>6x 60 | 2            | EM        | F                 | Base obscured<br>Crossing and rubbing branches<br>Flail damage evident<br>Low crown form                                               | 10  | 1.8        | C (i)      |
| T79     | Hawthorn<br>Crataegus monogyna           | 3      | est<br>6x 60 | 2            | EM        | F                 | Base obscured<br>Crossing and rubbing branches<br>Flail damage evident<br>Low crown form                                               | 10  | 1.8        | C (i)      |
| T80     | Hawthorn<br>Crataegus monogyna           | 3      | est<br>6x 60 | 2            | EM        | F                 | Base obscured<br>Crossing and rubbing branches<br>Flail damage evident<br>Low crown form                                               | 10  | 1.8        | C (i)      |
| T81     | Silver Birch<br>Betula pendula           | 10     | est<br>250   | 4            | EM        | F                 | Base obscured<br>Crossing and rubbing branches<br>Flail damage evident<br>Low crown form<br>Situating offsite<br>Unable to gain access | 28  | 3.0        | B (i)      |
| T82     | Tree of Heaven<br>Ailanthus altissima    | 5      | est<br>150   | 2            | SM        | F                 | Situating offsite<br>Unable to gain access                                                                                             | 10  | 1.8        | C (i)      |
| T83     | Spring Cherry<br>Prunus x subhirtella    | 5      | est<br>150   | 2            | SM        | F                 | Situating offsite<br>Unable to gain access                                                                                             | 10  | 1.8        | C (i)      |

| Tree No | Species                          | Height | Stem Dia.  | Crown Radius | Age Class | Overall Condition | Structural Condition                      | RPA | RPA Radius | BS5837 Cat |
|---------|----------------------------------|--------|------------|--------------|-----------|-------------------|-------------------------------------------|-----|------------|------------|
| T84     | Norway Maple<br>Acer platanoides | 5      | est<br>150 | 2            | SM        | F                 | Situated offsite<br>Unable to gain access | 10  | 1.8        | C (i)      |
| T85     | Norway Maple<br>Acer platanoides | 5      | est<br>150 | 2            | SM        | F                 | Situated offsite<br>Unable to gain access | 10  | 1.8        | C (i)      |
| T86     | Cider Gum<br>Eucalyptus gunni    | 7      | est<br>150 | 2            | SM        | F                 | Situated offsite<br>Unable to gain access | 10  | 1.8        | C (i)      |
| T87     | Crab Apple<br>Malus sylvestris   | 5      | est<br>180 | 2            | SM        | F                 | Situated offsite<br>Unable to gain access | 15  | 2.2        | C (i)      |

| Group No               | Species                                                                                                                                                                                   | Height | Stem Dia.     | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                            | RPA | RPA Radius | BS5837 Cat |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------|--------------|-----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| <b>GROUPS OF TREES</b> |                                                                                                                                                                                           |        |               |              |           |                   |                                                                                                                                                                                 |     |            |            |
| G1                     | Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna                                                                                                                           | 6      | avg<br>250    | 3            | EM / M    | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Interlocking crowns<br>Low crown forms                                                                        | 28  | 3.0        | C (ii)     |
| G2                     | Field Maple<br>Acer campestre<br>Leyland Cypress<br>Cupressocyparis leylandii                                                                                                             | 8      | avg<br>200    | 4            | EM        | F                 | Crossing and rubbing branches<br>Low crown forms<br>Outgrown hedgerow                                                                                                           | 18  | 2.4        | C (ii)     |
| G3                     | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Common Lime<br>Tilia x europaea<br>Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera | 10     | upto<br>300   | 4            | EM / M    | F                 | Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Flail damage evident | 41  | 3.6        | C (ii)     |
| G4                     | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre                                                                | 8      | est<br>6x 150 | 3            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Interlocking crowns<br>Low crown forms<br>Thicket growth with trees                                                           | 61  | 4.4        | C (ii)     |

| Group No | Species                                                                                                                                                                                   | Height | Stem Dia.     | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                        | RPA | RPA Radius | BS5837 Cat |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------|--------------|-----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| G5       | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana | 8      | est<br>6x 150 | 3            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Interlocking crowns<br>Low crown forms<br>Thicket growth with trees                                                                                                                       | 61  | 4.4        | C (ii)     |
| G6       | Blackthorn<br>Prunus spinosa<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                                                                                            | 5      | est<br>6x 80  | 2            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Dead trees noted<br>Interlocking crowns<br>Low crown forms<br>Overhead cables<br>Thicket growth with trees                                                                                | 17  | 2.4        | C (ii)     |
| G7       | Hawthorn<br>Crataegus monogyna<br>Wild Cherry<br>Prunus avium<br>Hazel<br>Corylus avellana<br>Leyland Cypress<br>Cupressocyparis<br>leylandii                                             | 8      | est<br>10x 80 | 3            | EM / M    | P                 | Base obscured<br>Crossing and rubbing branches<br>Dense ivy cover on main stems<br>Dense undergrowth at the base<br>Interlocking crowns<br>Low crown forms<br>Unable to gain access<br>Sporadic tree cover along boundary with rear gardens | 29  | 3.0        | C (ii)     |
| G8       | Ash<br>Fraxinus excelsior<br>English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana                                                                  | 6      | avg<br>6x 80  | 2            | EM        | F                 | Base obscured<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Outgrown hedgerow                                                 | 17  | 2.4        | C (ii)     |

| Group No | Species                                                                                                                                                                                                               | Height | Stem Dia.                | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                | RPA | RPA Radius | BS5837 Cat |
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| G9       | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium                              | 10     | avg<br>250<br>250<br>250 | 4            | EM / M    | F                 | Base obscured<br>Branch stubs evident<br>Broken branches evident<br>Dense undergrowth at the base<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm) | 85  | 5.2        | B (ii)     |
| G10      | Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium                                                                                                                           | 8      | avg<br>250<br>250<br>250 | 3            | EM / M    | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Flail damage evident<br>Outgrown hedgerow                                                                                                                    | 85  | 5.2        | C (ii)     |
| G11      | Ash<br>Fraxinus excelsior<br>English Oak<br>Quercus robur<br>Goat Willow<br>Salix caprea<br>Hawthorn<br>Crataegus monogyna<br>Silver Birch<br>Betula pendula<br>Hazel<br>Corylus avellana<br>Holly<br>Ilex aquifolium | 10     | est<br>6x 150            | 3            | EM / M    | P / F             | Base obscured<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Flail damage evident<br>Interlocking crowns<br>Low crown forms                                            | 61  | 4.4        | C (ii)     |

| Group No | Species                                                                                                                                                                                    | Height | Stem Dia.                | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                   | RPA | RPA Radius | BS5837 Cat |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------------|-----------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| G12      | Ash<br>Fraxinus excelsior<br>English Oak<br>Quercus robur                                                                                                                                  | 17     | avg<br>800               | 10           | M         | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm)<br>Situated offsite<br>4 trees | 290 | 9.6        | B (ii)     |
| G13      | Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Sycamore<br>Acer pseudoplatanus                                                                                         | 14     | avg<br>250               | 5            | EM        | F                 | Bark wounds noted<br>Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Minor dead wood evident in the crowns (<75mm)                              | 28  | 3.0        | C (ii)     |
| G14      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Hawthorn<br>Crataegus monogyna<br>Sycamore<br>Acer pseudoplatanus<br>English Elm<br>Ulmus procera<br>Holly<br>Ilex aquifolium | 10     | avg<br>100<br>100<br>100 | 2            | EM        | F                 | Crossing and rubbing branches<br>Dead trees noted<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Outgrown hedgerow                                                                | 14  | 2.1        | C (ii)     |
| G15      | Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                                                                                                                             | 7      | est<br>150               | 2            | EM / M    | D / P             | Dead trees noted<br>Dense undergrowth at the base<br>Dieback of the crowns observed<br>Established ivy cover<br>Ophiostoma novo-ulmi Dutch elm disease present                                                                                         | N/A | N/A        | U          |

| Group No | Species                                                                                                                                                                                                          | Height | Stem Dia.         | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                            | RPA | RPA Radius | BS5837 Cat |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|--------------|-----------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| G16      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>Goat Willow<br>Salix caprea<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                            | 8      | avg<br>100<br>100 | 2            | EM / M    | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Interlocking crowns<br>Low crown forms<br>Sporadic self-seeded group of trees | 9   | 1.7        | C (ii)     |
| G17      | Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                                                                                                                  | 8      | avg<br>8x 90      | 2            | M         | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Flail damage evident<br>Old laid forms<br>Outgrown hedgerow                            | 29  | 3.1        | C (ii)     |
| G18      | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera<br>Hazel<br>Corylus avellana<br>Holly<br>Ilex aquifolium | 8      | avg<br>8x 90      | 2            | M         | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Flail damage evident<br>Old laid forms<br>Outgrown hedgerow                            | 29  | 3.1        | C (ii)     |
| G19      | Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>English Elm<br>Ulmus procera                                                                                                                          | 5      | est<br>8x 80      | 2            | EM        | P                 | Crossing and rubbing branches<br>Dead trees noted<br>Flail damage evident<br>Outgrown hedgerow<br>Overhead cables                               | 23  | 2.7        | C (ii)     |

| Group No | Species                                                                                                                                               | Height | Stem Dia.                | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                 | RPA | RPA Radius | BS5837 Cat |
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| G20      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>Field Maple<br>Acer campestre<br>English Elm<br>Ulmus procera | 6      | est<br>8x 80             | 3            | EM        | P                 | Crossing and rubbing branches<br>Dead trees noted<br>Flail damage evident<br>Outgrown hedgerow<br>Overhead cables<br>Ophiostoma novo-ulmi Dutch elm disease present                                                  | 23  | 2.7        | C (ii)     |
| G21      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Hawthorn<br>Crataegus monogyna                                                           | 8      | est<br>150<br>150<br>150 | 2            | EM        | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Outgrown hedgerow                                                                                                                                  | 31  | 3.1        | C (ii)     |
| G22      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                           | 8      | est<br>150<br>150        | 3            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Interlocking crowns<br>Low crown forms<br>Outgrown hedgerow<br>Ophiostoma novo-ulmi Dutch elm disease present | 20  | 2.5        | C (ii)     |
| G23      | Blackthorn<br>Prunus spinosa<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                                                        | 7      | est<br>6x 80             | 2            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Outgrown hedgerow                                                                                             | 17  | 2.4        | C (ii)     |

| Group No | Species                                                                                                                                                                                                                 | Height | Stem Dia.                | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                         | RPA | RPA Radius | BS5837 Cat |
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| G24      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                            | 7      | est<br>6x 80             | 2            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Outgrown hedgerow                                     | 17  | 2.4        | C (ii)     |
| G25      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera | 10     | avg<br>150<br>150<br>150 | 3            | EM        | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Established ivy cover<br>Flail damage evident<br>Outgrown hedgerow | 31  | 3.1        | C (ii)     |
| G26      | Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna                                                                                                                                                               | 6      | avg<br>8x 60             | 3            | EM        | F                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Multi leadered forms                                                                       | 13  | 2.0        | C (ii)     |

| Group No | Species                                                                                                        | Height | Stem Dia.                | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                | RPA | RPA Radius | BS5837 Cat |
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| G27      | Common Lime<br><i>Tilia x europaea</i>                                                                         | 10     | avg<br>300               | 6            | EM        | F                 | Basal suckers present<br>Branch stubs evident<br>Broken branches evident<br>Characteristic for species<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm)                                                                           | 41  | 3.6        | B (ii)     |
| G28      | Common Lime<br><i>Tilia x europaea</i>                                                                         | 6      | est<br>200<br>200<br>200 | 4            | EM        | P                 | Basal suckers present<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Flail damage evident<br>Low crown forms                                                                                                                                                                                                            | 54  | 4.2        | C (ii)     |
| G29      | Common Lime<br><i>Tilia x europaea</i>                                                                         | 10     | avg<br>300               | 4            | EM        | P / F             | Basal suckers present<br>Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Dead trees noted<br>Dieback of the crowns observed<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Flail damage evident<br>Low crown forms<br>Major dead wood evident in the crowns (>75mm)<br>Minor dead wood evident in the crowns (<75mm) | 41  | 3.6        | C (ii)     |
| G30      | Elder<br><i>Sambucus nigra</i><br>Hawthorn<br><i>Crataegus monogyna</i><br>English Elm<br><i>Ulmus procera</i> | 8      | avg<br>150<br>150        | 2            | EM        | P                 | Basal suckers present<br>Branch stubs evident<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Dieback of the crowns observed<br>Epicormic growth evident within the crowns<br>Failed trees<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm)                                                      | 20  | 2.5        | C (ii)     |

| Group No | Species                                                                                                                                                        | Height | Stem Dia.         | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                           | RPA | RPA Radius | BS5837 Cat |
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| G31      | Ash<br>Fraxinus excelsior                                                                                                                                      | 10     | avg<br>200<br>200 | 3            | EM        | P                 | Crossing and rubbing branches<br>Established ivy cover<br>Flail damage evident<br>Outgrown hedgerow                                                                                                                                                                                                                            | 36  | 3.4        | C (ii)     |
| G32      | Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium                                                                                                     | 4      | avg<br>6x 80      | 2            | M         | P                 | Crossing and rubbing branches<br>Flail damage evident<br>Outgrown hedgerow                                                                                                                                                                                                                                                     | 17  | 2.4        | C (ii)     |
| G33      | Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                                                                      | 8      | avg<br>150<br>150 | 2            | EM        | P                 | Basal suckers present<br>Branch stubs evident<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Dieback of the crowns observed<br>Epicormic growth evident within the crowns<br>Failed trees<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm) | 20  | 2.5        | C (ii)     |
| G34      | Hawthorn<br>Crataegus monogyna<br>Norway Maple<br>Acer platanoides                                                                                             | 8      | est<br>280        | 4            | EM        | F                 | Crossing and rubbing branches<br>Interlocking crowns<br>Low crown forms<br>Situated offsite                                                                                                                                                                                                                                    | 35  | 3.4        | B (ii)     |
| G35      | Beech<br>Fagus sylvatica<br>Common Lime<br>Tilia x europaea<br>Field Maple<br>Acer campestre<br>Aspen<br>Populus tremula<br>Stag's Horn Sumach<br>Rhus typhina | 11     | avg<br>250        | 3            | SM / EM   | F                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms                                                                                                                                                | 28  | 3.0        | B (ii)     |

| Group No | Species                                                                      | Height | Stem Dia.  | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                 | RPA | RPA Radius | BS5837 Cat |
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| G36      | Aspen<br>Populus tremula                                                     | 16     | avg<br>460 | 9            | EM        | F                 | Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Interlocking crowns<br>Light ivy cover<br>Minor dead wood evident in the crowns (<75mm)<br>Pruning wounds noted<br>Four trees | 96  | 5.5        | B (ii)     |
| G37      | Beech<br>Fagus sylvatica                                                     | 10     | avg<br>180 | 2            | SM        | F                 | Interlocking crowns<br>Outgrown hedgerow<br>Situated offsite                                                                                                                                                                         | 15  | 2.2        | C (ii)     |
| G38      | Lawson Cypress<br>Chamaecyparis lawsoniana<br>Scots Pine<br>Pinus sylvestris | 6      | avg<br>200 | 2            | SM        | F                 | Base obscured<br>Crossing and rubbing branches<br>Interlocking crowns<br>Low crown forms                                                                                                                                             | 18  | 2.4        | C (ii)     |

| Group No | Species                                                                                                                                                                                                                                                                                                                                                           | Height | Stem Dia.  | Crown Radius | Age Class      | Overall Condition | Structural Condition                                                                                                                                                                                                                                                      | RPA | RPA Radius | BS5837 Cat |
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| G39      | Ash<br>Fraxinus excelsior<br>Beech<br>Fagus sylvatica<br>Field Maple<br>Acer campestre<br>Goat Willow<br>Salix caprea<br>Horse Chestnut<br>Aesculus hippocastanum<br>Norway Maple<br>Acer platanoides<br>Silver Birch<br>Betula pendula<br>Wild Cherry<br>Prunus avium<br>Crab Apple<br>Malus sylvestris<br>Rowan<br>Sorbus aucuparia<br>Whitebeam<br>Sorbus aria | 12     | avg<br>300 | 4            | SM / EM /<br>M | F                 | Basal suckers present<br>Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crowns<br>Included bark union<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm) | 41  | 3.6        | B (ii)     |

| Group No | Species                                                                                                                                                                                                                                                                                                                                              | Height | Stem Dia.         | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                               | RPA | RPA Radius | BS5837 Cat |
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| G40      | Beech<br>Fagus sylvatica<br>Crack Willow<br>Salix fragilis<br>Elder<br>Sambucus nigra<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Norway Maple<br>Acer platanoides<br>Silver Birch<br>Betula pendula<br>Sycamore<br>Acer pseudoplatanus<br>Alder<br>Alnus glutinosa<br>Hazel<br>Corylus avellana<br>Whitebeam<br>Sorbus aria | 13     | avg<br>300        | 5            | EM        | P / F             | Base obscured<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm)                                  | 41  | 3.6        | C (ii)     |
| G41      | Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                                                                                                                                                                                                                                                            | 10     | avg<br>150<br>150 | 2            | EM / M    | P                 | Base obscured<br>Branch stubs evident<br>Broken branches evident<br>Close cultivation of the soil<br>Dead trees noted<br>Dense ivy cover on main stems<br>Dense undergrowth at the base<br>Epicormic growth evident within the crowns<br>Flail damage evident<br>Outgrown hedgerow | 20  | 2.5        | C (ii)     |
| G42      | Silver Birch<br>Betula pendula                                                                                                                                                                                                                                                                                                                       | 13     | avg<br>250        | 2            | EM        | F                 | Characteristic for species<br>Interlocking crowns<br>Low crown forms                                                                                                                                                                                                               | 28  | 3.0        | C (ii)     |

| Group No | Species                                                                                                                                                                                                                                                                                                                             | Height | Stem Dia.         | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                                                                                                                   | RPA | RPA Radius | BS5837 Cat |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|--------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| G43      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna<br>Silver Birch<br>Betula pendula<br>Wild Cherry<br>Prunus avium<br>Whitebeam<br>Sorbus aria<br>Lawson Cypress<br>Chamaecyparis lawsoniana<br>Scots Pine<br>Pinus sylvestris | 12     | avg<br>300        | 5            | SM / EM   | P / F             | Bark wounds noted<br>Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Dieback of the crowns observed<br>Epicormic growth evident within the crowns<br>Interlocking crowns<br>Low crown forms<br>Major dead wood evident in the crowns (>75mm)<br>Minor dead wood evident in the crowns (<75mm) | 41  | 3.6        | C (ii)     |
| G44      | Ash<br>Fraxinus excelsior<br>English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna                                                                                                                                                                                                                                         | 5      | avg<br>6x 80      | 2            | EM        | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Outgrown hedgerow                                                                                                                                                                                                                                 | 17  | 2.4        | C (ii)     |
| G45      | Ash<br>Fraxinus excelsior<br>English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna                                                                                                                                                                                                                                         | 5      | avg<br>6x 80      | 2            | EM        | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Outgrown hedgerow                                                                                                                                                                                                                                 | 17  | 2.4        | C (ii)     |
| G46      | Blackthorn<br>Prunus spinosa<br>Hawthorn<br>Crataegus monogyna<br>Prunus sp.                                                                                                                                                                                                                                                        | 6      | avg<br>200<br>200 | 3            | EM / M    | P / F             | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Thicket growth                                                                                                                                                                                                                                    | 36  | 3.4        | C (ii)     |

| Group No | Species                                                                                                                                                                                   | Height | Stem Dia.                | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                            | RPA | RPA Radius | BS5837 Cat |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------------|-----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| G47      | English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium                                                                                                | 5      | avg<br>100<br>100<br>100 | 2            | EM        | P                 | Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Epicormic growth evident within the crowns<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Outgrown hedgerow                         | 14  | 2.1        | C (ii)     |
| G48      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana | 7      | avg<br>8x 80             | 2            | EM        | P                 | Base obscured<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Thicket growth                                                                                                            | 23  | 2.7        | C (ii)     |
| G49      | English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna<br>Norway Maple<br>Acer platanoides<br>English Elm<br>Ulmus procera                                                        | 10     | avg<br>350               | 5            | EM / M    | P / F             | Bark wounds noted<br>Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Epicormic growth evident within the crowns<br>Interlocking crowns<br>Low crown forms<br>Minor dead wood evident in the crowns (<75mm) | 55  | 4.2        | C (ii)     |

| Group No | Species                                                                                                                                                                                    | Height | Stem Dia.                | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                                                                                                                          | RPA | RPA Radius | BS5837 Cat |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|--------------|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| G50      | Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                                                                  | 5      | avg<br>8x 80             | 2            | EM / M    | P / F             | Base obscured<br>Branch stubs evident<br>Broken branches evident<br>Crossing and rubbing branches<br>Dead trees noted<br>Dense undergrowth at the base<br>Established ivy cover<br>Interlocking crowns<br>Low crown forms<br>Thicket growth<br>Ophiostoma novo-ulmi Dutch elm disease present | 23  | 2.7        | C (ii)     |
| G51      | Leyland Cypress<br>Cupressocyparis leylandii                                                                                                                                               | 11     | est<br>200               | 3            | EM        | F                 | Characteristic for species<br>Interlocking crowns<br>Low crown forms<br>Situated offsite                                                                                                                                                                                                      | 18  | 2.4        | C (ii)     |
| G52      | Ash<br>Fraxinus excelsior<br>English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna<br>Wild Cherry<br>Prunus avium<br>Hazel<br>Corylus avellana<br>Privet<br>Ligustrum ovalifolium | 5      | avg<br>150               | 1            | Yng / SM  | F                 | Crossing and rubbing branches<br>Interlocking crowns<br>Low crown forms<br>New planting                                                                                                                                                                                                       | 10  | 1.8        | C (ii)     |
| G53      | Ash<br>Fraxinus excelsior<br>English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna                                                                                                | 5      | est<br>100<br>100<br>100 | 2            | SM / EM   | F                 | Crossing and rubbing branches<br>Flail damage evident<br>Interlocking crowns<br>Low crown forms<br>Sporadic self-seeded group of trees                                                                                                                                                        | 14  | 2.1        | C (ii)     |

| Group No | Species                                                                                                               | Height | Stem Dia.    | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                   | RPA | RPA Radius | BS5837 Cat |
|----------|-----------------------------------------------------------------------------------------------------------------------|--------|--------------|--------------|-----------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| G54      | Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium | 5      | est<br>6x 80 | 2            | M         | F                 | Base obscured<br>Crossing and rubbing branches<br>Dense undergrowth at the base<br>Flail damage evident<br>Interlocking crowns<br>Low crown forms<br>Outgrown hedgerow | 17  | 2.4        | C (ii)     |

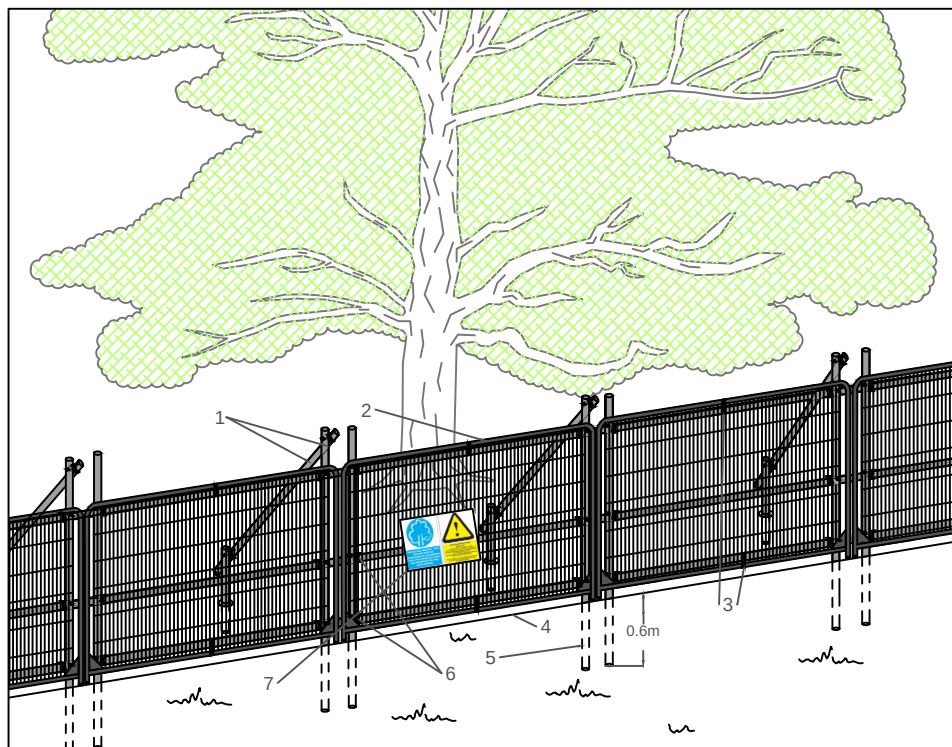
| Hedge No         | Species                                                                                                                                               | Height | Stem Dia.    | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                                                       | RPA | RPA Radius | BS5837 Cat |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|--------------|-----------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| <b>HEDGEROWS</b> |                                                                                                                                                       |        |              |              |           |                   |                                                                                                                                                                                            |     |            |            |
| H1               | Hawthorn<br>Crataegus monogyna                                                                                                                        | 1      | avg<br>80    | 0.5          | EM        | F                 | Maintained hedgerow                                                                                                                                                                        | 3   | 1.0        | C (ii)     |
| H2               | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium<br>Privet<br>Ligustrum ovalifolium | 4      | avg<br>6x 80 | 1.5          | EM        | F                 | Basal suckers present<br>Branch stubs evident<br>Crossing and rubbing branches<br>Epicormic growth evident within the crown<br>Flail damage evident<br>Old laid forms<br>Outgrown hedgerow | 17  | 2.4        | C (ii)     |
| H3               | Hawthorn<br>Crataegus monogyna                                                                                                                        | 1      | avg<br>80    | 0.5          | EM        | F                 | Established ivy cover<br>Maintained hedgerow                                                                                                                                               | 3   | 1.0        | C (ii)     |
| H4               | Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana<br>Holly<br>Ilex aquifolium                                    | 1      | avg<br>80    | 0.5          | EM        | F                 | Established ivy cover<br>Gaps present in hedgerow<br>Maintained hedgerow                                                                                                                   | 3   | 1.0        | C (ii)     |
| H5               | Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>Laural<br>Prunus Laurocerasus                                                            | 2      | avg<br>6x 60 | 1            | EM        | F                 | Gaps present in hedgerow<br>Maintained hedgerow                                                                                                                                            | 10  | 1.8        | C (ii)     |

| Hedge No | Species                                                                                                                   | Height | Stem Dia.       | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                              | RPA | RPA Radius | BS5837 Cat |
|----------|---------------------------------------------------------------------------------------------------------------------------|--------|-----------------|--------------|-----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| H6       | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium        | 1      | avg<br>6x 60    | 1            | M         | F                 | Flail damage evident<br>Maintained hedgerow<br>Old laid forms                                                                                     | 10  | 1.8        | B (ii)     |
| H7       | Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna                                                           | 3      | avg<br>6x 50    | 1            | SM        | P                 | Crossing and rubbing branches<br>Dense undergrowth at the base<br>Outgrown hedgerow<br>Situating offsite                                          | 7   | 1.5        | C (ii)     |
| H8       | Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna                                                           | 1.5    | avg<br>6x 60    | 1            | EM        | F                 | Established ivy cover<br>Maintained hedgerow                                                                                                      | 10  | 1.8        | C (ii)     |
| H9       | Blackthorn<br>Prunus spinosa<br>Holly<br>Ilex aquifolium                                                                  | 2      | est<br>6x 60    | 1            | EM        | P                 | Dense undergrowth at the base<br>Outgrown hedgerow                                                                                                | 10  | 1.8        | C (ii)     |
| H10      | Ash<br>Fraxinus excelsior<br>Blackthorn<br>Prunus spinosa<br>Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna    | 4      | est<br>6x 80    | 1.5          | M         | F                 | Branch stubs evident<br>Broken branches evident<br>Established ivy cover<br>Flail damage evident<br>Gaps present in hedgerow<br>Outgrown hedgerow | 17  | 2.4        | C (ii)     |
| H11      | Ash<br>Fraxinus excelsior<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana | 3      | avg<br>80<br>80 | 1            | SM        | F                 | Outgrown hedgerow<br>New planting                                                                                                                 | 6   | 1.4        | C (ii)     |

| Hedge No | Species                                                                                                                                                                             | Height | Stem Dia.       | Crown Radius | Age Class | Overall Condition | Structural Condition                                          | RPA | RPA Radius | BS5837 Cat |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|--------------|-----------|-------------------|---------------------------------------------------------------|-----|------------|------------|
| H12      | Ash<br>Fraxinus excelsior<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana                                                           | 1      | avg<br>80<br>80 | 1            | SM        | F                 | Flail damage evident<br>Maintained hedgerow<br>New planting   | 6   | 1.4        | C (ii)     |
| H13      | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium | 1      | avg<br>6x 60    | 0.5          | M         | F                 | Flail damage evident<br>Maintained hedgerow<br>Old laid forms | 10  | 1.8        | B (ii)     |
| H14      | Ash<br>Fraxinus excelsior<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana                                                           | 1      | avg<br>80<br>80 | 1            | SM        | F                 | Flail damage evident<br>Maintained hedgerow<br>New planting   | 6   | 1.4        | C (ii)     |

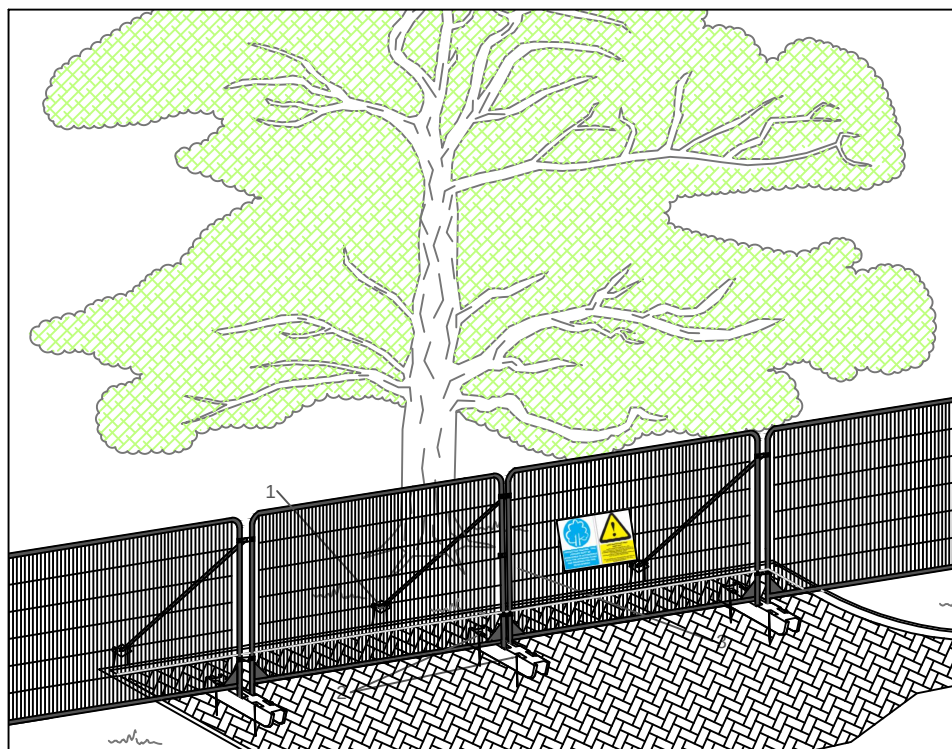
| Hedge No | Species                                                                                                                                                                             | Height | Stem Dia.    | Crown Radius | Age Class | Overall Condition | Structural Condition                                                       | RPA | RPA Radius | BS5837 Cat |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|--------------|-----------|-------------------|----------------------------------------------------------------------------|-----|------------|------------|
| H15      | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium | 1      | avg<br>6x 60 | 0.5          | M         | F                 | Flail damage evident<br>Maintained hedgerow<br>Old laid forms              | 10  | 1.8        | B (ii)     |
| H16      | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>English Oak<br>Quercus robur<br>Hawthorn<br>Crataegus monogyna                                                              | 5      | avg<br>6x 60 | 1            | EM        | F                 | Crossing and rubbing branches<br>Flail damage evident<br>Outgrown hedgerow | 10  | 1.8        | C (ii)     |
| H17      | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>English Oak<br>Quercus robur<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Holly<br>Ilex aquifolium | 1      | avg<br>6x 60 | 0.5          | M         | F                 | Flail damage evident<br>Maintained hedgerow<br>Old laid forms              | 10  | 1.8        | B (ii)     |

| Hedge No | Species                                                                                                                 | Height | Stem Dia.             | Crown Radius | Age Class | Overall Condition | Structural Condition                                                                                                                                | RPA | RPA Radius | BS5837 Cat |
|----------|-------------------------------------------------------------------------------------------------------------------------|--------|-----------------------|--------------|-----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|
| H18      | Ash<br>Fraxinus excelsior<br>Elder<br>Sambucus nigra<br>Field Maple<br>Acer campestre<br>Holly<br>Ilex aquifolium       | 1      | avg<br>6x 80          | 1            | M         | F                 | Crossing and rubbing branches<br>Established ivy cover<br>Flail damage evident<br>Maintained hedgerow<br>Old laid forms                             | 17  | 2.4        | B (ii)     |
| H19      | Elder<br>Sambucus nigra<br>Hawthorn<br>Crataegus monogyna<br>English Elm<br>Ulmus procera                               | 1.5    | avg<br>150<br>150     | 1.5          | M         | F                 | Crossing and rubbing branches<br>Established ivy cover<br>Flail damage evident<br>Gaps present in hedgerow<br>Maintained hedgerow<br>Old laid forms | 20  | 2.5        | B (ii)     |
| H20      | Elder<br>Sambucus nigra<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana | 1      | avg<br>50<br>50<br>50 | 1            | Yng / SM  | F                 | Maintained hedgerow<br>New planting                                                                                                                 | 3   | 1.0        | B (ii)     |
| H21      | Elder<br>Sambucus nigra<br>Field Maple<br>Acer campestre<br>Hawthorn<br>Crataegus monogyna<br>Hazel<br>Corylus avellana | 1      | avg<br>50<br>50<br>50 | 1            | Yng / SM  | F                 | Maintained hedgerow<br>New planting                                                                                                                 | 3   | 1.0        | B (ii)     |
| H22      | Laural<br>Prunus Laurocerasus                                                                                           | 1.5    | est<br>50<br>50       | 0.5          | Yng       | F                 | Crossing and rubbing branches<br>Gaps present in hedgerow<br>New planting                                                                           | 2   | 0.8        | C (ii)     |



### Standard specification for protective barrier

1. Standard scaffold poles
2. Heavy gauge 2m tall galvanized tube and welded mesh infill panels
3. Panels secured to scaffold frame with wire ties
4. Ground level
5. Uprights driven into the ground until secure (min depth of 0.6m)
6. Standard scaffold clamps
7. Construction Exclusion Zone signs



### Above ground stabilising systems

1. Stabiliser strut with base plate secured with ground pins
2. Feet blocks secured with ground pins
3. Construction Exclusion Zone signs

### NOTES

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## APPENDIX B PROTECTIVE FENCING SPECIFICATIONS

CAD file: S:\Arb resources\Basic Templates\Tree Protection\Appendix B - Protective Fencing A4.dwg