TREE CONSULTANTS

# ARBORICULTURAL REPORT

## & Impact Assessment

## to **BS5837:2012** at:

***Clumber Lodge,***
***Hemingfield Road,***
***Wombwell,***
***Barnsley,***
***South Yorkshire***
***S73 0LY***

Prepared for:
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Reference: *AWA2802*

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# 1. Introduction

## 1.1 Instructions and Brief

1.1.1 We are instructed by Jennifer Smith to visit the site and prepare our findings in a report.

1.1.2 The report is required in accordance with *BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations,* to provide detailed, independent, arboricultural advice on the trees present, in the context of potential development.

## 1.2 Survey Details

1.2.1 The survey took place during August 2019.

1.2.2 The trees were surveyed visually from the ground using "Visual Tree Assessment" techniques and in accordance with the guiding principles of British Standard 5837:2012.

1.2.3 Any additional off-site trees that could impact a new development design have been included in the tree survey parameters.

1.2.4 We have been provided with a topographical survey with tree positions plotted. Where surveyed trees were not included on the topographical survey the tree positions were plotted using enhanced GPS technology (1-2m accuracy) and laser distance measurer.

1.2.5 This report has been prepared by Mr Adam Winson Chartered Arboriculturist, MSc, BSc (Hons), MICFor, MArborA, Principle and Director of AWA Tree Consultants Ltd. The tree survey data collection was carried out by Mr James Brown BSc (Hons) Arboriculture, MArborA, Arboriculturist at AWA Tree Consultants Ltd.

1.2.6 Full qualifications and experience are included within **Appendix 1.** Explanatory details regarding the survey methodology are included within **Appendix 2**. A full explanation of the tree data can be found at **Appendix 3**. Full details of all the trees surveyed are found in **Appendix 4**. For tree locations refer to the Tree Constraints Plan at **Appendix 5** and for detail of the impacts of the new development refer to the Tree Impacts Plan at **Appendix 6**.

# 2. The Site

## 2.1 Location and Description

2.1.1 The site is located on Hemingfield Road in Wombwell, a town in the Metropolitan Borough of Barnsley, South Yorkshire and comprises a detached residential property with surrounding gardens.

2.1.2 The approximate area of the survey is highlighted in the (2018 Google Earth) image below:



# 3. The Trees

## 3.1 Legal

3.1.1 An online check was made with Barnsley Metropolitan Borough Council on the 2nd of September 2019. This showed that trees along the site's western boundary are protected by a Woodland Tree Preservation Order (TPO). Reference Number: 11, Tree Reference Number: W1. As such, written statutory permission is required before any works can take place to the protected trees. The accessed map image from http://barnsley.gov.uk is detailed below:




3.1.2 Due to the large potential penalties for illegally carrying out work to protected trees, before authorising any tree works a further check should be made with the Local Planning Authority to see if the trees are covered by a Tree Preservation Order or if they are within a Conservation Area (unless such works are approved by planning permission). If either applies, then statutory permission is required before any works can take place.

3.1.3 When appointing a tree surgeon, only properly qualified and experienced companies should be used, who have adequate Public Liability and Employer's Liability Insurance. All tree work should be carried out according to British Standard 3998:2010 *Tree Work - Recommendations*.

## 3.2 Tree Survey Results

3.2.1 The tree survey revealed 71 items of woody vegetation, comprised of 60 individual trees and 11 groups of trees or shrubs or hedges.

3.2.2 Of the surveyed trees: 2 trees are retention category 'U', 7 trees are retention category 'A', 15 trees are retention category 'B', and the remaining 47 trees or groups are retention category 'C' (explanatory details regarding the retention categories are included within Appendix 3).

3.2.3 Species diversity at the site is relatively good, with Beech the dominant tree species. The site's trees had a good age diversity with a mix of semi-mature, early-mature and mature trees.

3.2.4 The site's most significant trees are the large early mature to mature Beech and Oak trees including T2, T6 to T10, T12, T13, T14, T67 and T68. These are all large moderate to high value trees in good overall condition. They provide considerable amenity value to the site and the surrounding area. Trees T2, T6, T7, T8, T14, T67 and T68 are of particularly high value.

3.2.5 Other significant trees of moderate value within the site include the Eucalyptus T43, Larch T44 and T53, Birch T48, Oak T51 and Horse Chestnut T60.

3.2.6 Trees T15 to T22 are situated in a neighbouring garden to the west of the site and so were only given cursory inspections, with measurements estimated and condition values indicative only.

3.2.7 Boundary groups G3, G59, G62 and G63 provide some screening between the site and the adjacent land but they are of low arboricultural value.

3.2.8 The Beech T11 and Horse Chestnut T61 are in poor condition and are recommended for removal regardless of development at the site. T11 has extensive bark damage, cavities and major decay to its main stem and T61 has significant symptoms of Horse Chestnut Bleeding Canker with limited prospects and is overhanging an adjacent railway line.

3.2.9 While the focus of the tree survey was in relation to potential development, and not to assess risk of harm from the trees, the survey identified several large trees with significant defects. As such, a full safety inspection and risk assessment of the trees is recommended to trees T6, T8, T9, T10 and T14 regardless of development at the site.

3.2.10 Some trees were covered in dense Ivy or were inaccessible (as detailed in Appendix 4) in such cases measurements were estimated and the condition values are indicative only.

3.2.11 The tree Root Protection Area (RPA) detailed on the Tree Constraints Plan at Appendix 5, has been used as a layout design tool, to inform on the area around a tree where the protection of the roots and soil structure is treated as a priority.

3.2.12 Some lower value tree, hedge and shrub groups do not have RPAs detailed on tree plans. The detailed extent and spread of the low value groups, in conjunction with the tree schedule, is sufficient to assess the associated potential constraints.

3.2.13 The RPA for each tree has been plotted as a polygon centred on the base of the stem. Due to the presence of roads, structures, topography (and past tree management) the RPA is likely to be a simplified representation of the tree roots actual morphology and disposition. However, detailed modifications to the shape of the RPA would largely be based on conjecture and so have been avoided.

# 4. Arboricultural Impact Assessment

## 4.1 Proposed New Development

4.1.1 It is proposed to build a new residential property at the site with associated access. The development proposals have been provided by my client and inform this arboricultural impact assessment and the Tree Impacts Plan at Appendix 6.

## 4.2 Direct Impacts

4.2.1 From assessing the new development proposals 2 trees will require removal as they are situated in the footprint of the structure or their retention and protection throughout the development is not suitable.

4.2.2 The trees that require removal are the Cherry Laurel T4 and Horse Chestnut T5. They are both very low value trees which likely have limited long term value regardless of development at the site and their removal will have little negative impact.

4.2.3 The boundary Cherry Laurel and Rhododendron group G3 will require pruning to facilitate the development. It is likely the group will readily tolerate significant pruning works and the amenity value and the limited screening the group provides will not be significantly impacted.

4.2.4 The Beech T11 and Horse Chestnut T61 require removal regardless of development at the site due to their poor condition.

## 4.3 Indirect Impacts

4.3.1 The tree Root Protection Area (RPA) detailed on the Tree Constraints Plan at Appendix 5, has been used as a layout design tool, to inform on the area around a tree where the protection of the roots and soil structure is treated as a priority. As such, no significant negative indirect impacts have been identified.

4.3.2 The buildability of the proposed development has been assessed in terms of access, adequate working space and provision for the storage of materials, including topsoil, in relation to the trees.

## 4.4 Suitable Mitigation

4.4.1 The development of the site provides an excellent opportunity to undertake new tree planting throughout the site as part of a soft landscaping scheme. As such, suitable new tree planting has the potential to mitigate for the required tree removals and, in the longer term, has the potential to improve the sites tree cover.

## 4.5 Protection of the Retained Trees

4.5.1 The retained trees will require protection by fencing in accordance with BS 5837: 2012, during the development phase.

4.5.2 If required by the Local Planning Authority, an associated Arboricultural Method Statement, detailing protective fencing specifications and construction methods close to the retained trees can be provided.

# 5. Signature

I trust this report provides all the required information.

Signed



.....

**Adam Winson**, *Chartered Arboriculturist, MSc, BSc (Hons), MICFor, ACIEEM.*

**19th September 2019**

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# Appendices

**Appendix 1: Authors Qualifications and Experience**
**Appendix 2: Survey Methodology and Limitations**
**Appendix 3: Explanation of Tree Descriptions**
**Appendix 4: Tree Data**
**Appendix 5: Tree Constraints Plan**
**Appendix 6: Tree Impacts Plan**

# Appendix 1: Authors Qualifications & Experience

**Mr Adam Winson** *Chartered Arboriculturist, MSc, BSc (Hons), MICFor, MArborA, ACIEEM, QTRA Registered.*

Adam is the company Director and Principle Consultant. He has a mix of the highest level academic qualifications and relevant work experience. He has worked within the tree care profession for over 20 years, and was awarded an MSc in Arboriculture and Urban Forestry, with distinction. Adam is a Chartered Arboriculturist and a Registered Consultant with the Institute of Chartered Foresters, a Professional Member of the Arboricultural Association and has original research published by the UK Forestry Commission. His work ranges from individual expert tree inspections to managing trees on major multimillion pound housing developments and infrastructure projects. His work often involves trees with preservation orders or litigation, and he has appeared as a tree expert, at planning appeal hearings up to the Crown Court.

**Mr James Brown** *BSc (Hons) Arboriculture, MArborA.*

James has a BSc (Hons) in Arboriculture, attaining first class honours, as well as being awarded the Institute of Chartered Forester's Student award. He is a Professional Member of the Arboricultural Association and an Associate of the Institute of Chartered Foresters. James previously worked in Europe's largest tree nursery and has experience of Local Authority tree officer work. His main work consists of tree surveys for development projects and preparing Tree Protection Schemes to BS 5837:2012.

**Mr Dave Farmer** *FdSc (Arb), MArborA, PTI (Lantra).*

Dave has a Foundation Degree in Arboriculture (with Distinction) and is qualified in Professional Tree Inspection. He is a Professional Member of the Arboricultural Association and an Associate of the Institute of Chartered Foresters. Dave has many years of experience within the tree care profession, including lecturing in arboriculture. His work focuses on diagnosing potential tree risk problems, and recommending appropriate treatments and work programmes.

**Dr Felicity Stout** *Ph.D, MA, BA (Hons), Cert Ed (Forestry), TechArborA.*

Felicity has worked in the tree care profession for the last 10 years. She has a Certificate in Higher Education in Forestry, with a focus on Urban Forestry. She has practical arboricultural contractor experience and is a qualified and experienced Social Forestry practitioner. Felicity has a PhD in History, with a particular interest in the history of woodland and tree management and has published in The Arboricultural Journal on this subject.

**Mr Patrick Rowntree** *Cert Arb L3. TechArborA.*

Patrick is a trained arborist with 5 years of experience in the private and commercial sectors, both in the UK and New Zealand. Formerly a professional rugby player, Patrick was awarded a distinction in the Extended Diploma in Forestry & Arboriculture and is a technician Member of the Arboricultural Association. Patrick now uses his experience at AWA focusing on BS5837:2012 tree surveys for development projects; this involves accurate tree data collection and the preparation of tree reports to BS 5837:2012.

# Appendix 2: Survey Methodology and Limitations of Report

The survey was undertaken in accordance with British Standard 5837:2012 *Trees in relation to design, demolition and construction – Recommendations.* The trees were assessed objectively and without reference to any proposed site layout. The trees were surveyed from the ground using 'Visual Tree Assessment' (VTA) methodology. VTA is appropriate and is endorsed by industry guidance. It is used by arboriculturists to evaluate the structural integrity of a tree, relying on observation of trees biomechanical and physiological features. Measurements are obtained using a diameter tape, clinometer, laser distometer and loggers tape. Where this is not practical measurements are estimated. Tree groups have been identified in instances as defined in BS 5837:2012. Shrubs and insignificant trees may have been omitted from the survey.

This report represents a BS5837 tree survey and should not be accepted as a detailed tree safety inspection report; however, tree related hazards are recorded and commented upon where observed, yet no guarantee can be given as to the absolute safety or otherwise of any individual tree. All recommended tree work must be to BS 3998:2010 - '*Tree Work: Recommendations'*.

The findings and recommendations contained within this report are valid for a period of twelve months from the date of survey. The author shall not be responsible for events which happen after this time due to factors which were not apparent at the time, and the acceptance of this report constitutes an agreement with these guidelines and terms.

# Appendix 3: Explanation of Tree Descriptions

**HEIGHT** of the tree is measured from the stem base in metres. Where the ground has a significant slope the higher ground is selected.

**CROWN HEIGHT** is an indication of the average height at which the crown begins and includes information of the first significant branch and direction of growth.

**STEM DIAMETER** is measured at 1.5 metres above (higher) ground level. Where the tree is multi-stemmed at this point; the diameter is measured close to ground level or else a combined stem diameter is calculated.

**CROWN SPREAD** is measured from the centre of the stem base to the tips of the branches in all four cardinal points.

**AGE CLASS** of the tree is described as young, semi-mature, early-mature, mature, or over-mature.

**PHYSIOLOGICAL CONDITION** is classed as good, fair, poor, or dead. This is an indication of the health of the tree and takes into account vigour, presence of disease and dieback.

**STRUCTURAL CONDITION** is classed as good, fair or poor. This is an indication of the structural integrity of the tree and takes into account significant wounds, decay and quality of branch junctions.

**LIFE EXPECTANCY** is classed as; less than 10 years, 10-20 years, 20-40 years, or more than 40 years. This is an indication of the number of years before removal of the tree is likely to be required.

**Retention Categories**

**A (marked green on Appendix 5) = retention most desirable.** These trees are of very high quality and value with a good life expectancy.

**B (marked in blue on Appendix 5) = retention desirable.** These trees are of good quality and value with a significant life expectancy.

**C (marked in grey on Appendix 5) = trees which could be retained.** These trees are of low or average quality and value, and are in adequate condition to remain until new planting could be established.

**U (marked in red on Appendix 5) = trees for removal.** These trees are in such a condition that any existing value would be lost within 10 years.

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T1 | Cherry Laurel | *Prunus laurocerasus* | Early-mature | 4 | 4 | 160, 80, 100, 100 | No | 0.5 | 3.5 | 2 | 3 | 2 | No visual defects | Multiple stemmed at base. Old pruning wounds | Normal | Pruned from east away from driveway. On raised ground behind retaining wall. | Good | Good | 20 to 40 yrs | Low | **C** | No works required |
| T2 | Beech | *Fagus sylvatica* | Mature | 23 | 1 | 850 | No | 2 | 7 | 8 | 7 | 5 | No visual defects | Single stemmed. Vertical. Epicormic growths. Ivy covered | Minor dieback. Minor deadwood. Discolouration. Old pruning wounds | Occasional minor cavities in old pruning wounds. Old pruning wounds in lower crown from recent pruning from west. Telephone line through crown. Minor dieback and discolouration in crown. | Fair | Fair | >40 yrs | High | **A** | No works required |
| G3 | Cherry Laurel. Rhododendron. | *Prunus sp. Rhododendron sp.* | Semi-mature | 3.5 | 10+ | 60 | No | 0 | See plan | | | | Exposed roots. Soil disturbance | Single and Multiple stemmed. Old pruning wounds. Stubs. Bark damage. Minor cavities | Minor dieback. Minor deadwood. Old pruning wounds | Shrubby boundary group. Recently heavily pruned. | Fair | Fair | 20 to 40 yrs | Moderate | **C** | Prune back by around 2.5m to suitable points to facilitate development |
| T4 | Cherry Laurel | *Prunus laurocerasus* | Mature | 7.5 | 1 | 270 | No | 0.5 | 0.5 | 3 | 4 | 1.5 | No visual defects | Single stemmed. Slight lean east. Old pruning wounds. Stubs. Bark damage | Minor deadwood. Old pruning wounds. Snapped/ hanging branches | Recently heavily pruned. Forms part of boundary group. | Fair | Fair | 20 to 40 yrs | Moderate | **C** | Removal required to facilitate development |

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| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T5 | Horse Chestnut | *Aesculus hippocastanum* | Semi-mature | 7 | 1 | 150 | No | 4 | 1 | 1 | 1.5 | 3 | No visual defects | Single stemmed. Slight lean. Stubs | Small/ sparse. Major dieback. Minor deadwood | Likely previously suppressed. Crown in poor condition. | Poor | Fair | <10 yrs | Low | **C** | Removal required to facilitate development |
| T6 | Oak | *Quercus robur* | Mature | 25 | 1 | 770 | No | 2 | 8.5 | 6.5 | 4 | 3 | Exposed roots. Damage to buttress roots | Single stemmed. Slight lean north west. Stubs | Moderate deadwood | Exposed roots with mower damage at base. Shear crack to buttress root. Horizontal rib to northern side of main stem at 4m. | Fair | Fair | >40 yrs | Moderate | **A** | Formal tree risk survey recommended regardless of development |
| T7 | Beech | *Fagus sylvatica* | Mature | 25 | 1 | 840 | No | 2.5 | 7.5 | 8 | 3 | 10 | No visual defects | Single stemmed. Vertical. Old pruning wounds. Bark damage. Minor cavities | Minor deadwood | Numerous old pruning wounds with minor cavities to main stem and lower crown at 5m to 8m approx. Large old ring bark wound southern side of main stem. Large flared buttress roots. | Good | Good | >40 yrs | Moderate | **A** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T8 | Beech | *Fagus sylvatica* | Mature | 26 | 1 | 1170 | No | 1 | 6.5 | 7 | 7.5 | 9 | Exposed roots. Girdled roots. Damage to buttress roots | Single stemmed. Vertical. Stubs. Minor cavity. Minor decay | Fire damage. Moderate deadwood | Moderate cavity with decay to southern side of main stem at base. Occasional decayed stubs to main stem. Probable fire damage to lower southern crown. Moderate to major deadwood in lower southern crown likely from fire damage. | Fair | Fair | >40 yrs | Moderate | **A** | Formal tree risk survey recommended regardless of development |
| T9 | Beech | *Fagus sylvatica* | Early-mature | 23 | 1 | 680 | No | 5 | 5.5 | 2.5 | 3.5 | 7 | Exposed roots. Damage to buttress roots | Single stemmed. Vertical. Bark damage. Minor decay. Fungus | Minor dieback. Minor deadwood | Extensive bark damage to western side of main stem. Probable fire damage. Large snap out from western side of main stem at 3m with large decayed stub and fungus below. Significant bark damage to buttress roots. | Fair | Fair | >40 yrs | Moderate | **C** | Formal tree risk survey recommended regardless of development |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T10 | Beech | *Fagus sylvatica* | Early-mature | 24 | 1 | 700 | No | 4 | 2 | 2 | 6.5 | 7 | Damage to buttress roots | Single stemmed. Vertical. Bark damage. Minor decay. Stubs | Minor deadwood | Extensive bark damage to northern and eastern sides of main stem from base to 2m to 3m with decay Probable fire damage. Moderate decayed stub to north western side of main stem at 4m approx. Occasional minor to moderate deadwood in crown. | Fair | Fair | | Moderate | **C** | Formal tree risk survey recommended regardless of development |
| T11 | Beech | *Fagus sylvatica* | Early-mature | 28 | 1 | 560 | No | 15 | 2 | 2 | 1 | 6.5 | Decay | Single stemmed. Vertical. Bark damage. Major decay. Major cavities. Stubs | Minor dieback. Minor deadwood | Extensive bark damage to western side of stem with major extensive decay to stem | Poor | Poor | <10 yrs | Moderate | **U** | Removal required regardless of development |
| T12 | Beech | *Fagus sylvatica* | Mature | 27 | 1 | 590 | No | 3.5 | 1 | 3.5 | 5 | 3 | No visual defects | Single stemmed. Vertical. Minor cavities | Minor dieback. Minor deadwood | Occasional minor cavity to main stem. Minor dieback in upper crown. | Fair | Good | >40 yrs | Moderate | **B** | No works required |
| T13 | Beech | *Fagus sylvatica* | Mature | 28 | 1 | 600 | No | 10 | 3 | 4 | 2 | 2 | Exposed roots | Single stemmed. Vertical. Minor cavities | Minor deadwood | Occasional very minor cavities to main stem | Good | Good | >40 yrs | Moderate | **B** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T14 | Beech | *Fagus sylvatica* | Mature | 35 | 1 | 1150 | No | 1.5 | 10 | 8.5 | 9.5 | 6.5 | Exposed roots | Single stemmed. Vertical. Tight unions. Partially included bark. Ivy covered | Minor deadwood | Two co-dominant main stems at 4m with tight union which has put on lots of reaction growth. Monitor union. | Good | Fair | >40 yrs | High | **A** | Formal tree risk survey recommended regardless of development |
| T15 | Oak | *Quercus robur* | Early-mature | 20 | 1 | 600 | Yes | 12 | 5 | 5 | 5 | 5 | Limited access around base | Single stemmed. Vertical. Old pruning wounds. Bark damage | Minor dieback. Minor deadwood | Adjacent, no access. Previously crown lifted. | Fair | Fair | 20 to 40 yrs | Moderate | **B** | No works required |
| T16 | Beech | *Fagus sylvatica* | Early-mature | 26 | 1 | 600 | Yes | 3 | 5.5 | 4.5 | 4 | 3.5 | Limited access around base | Single stemmed. Vertical. Stubs | Minor deadwood | Adjacent, no access | Good | Good | >40 yrs | Moderate | **B** | No works required |
| T17 | Sweet Chestnut | *Castanea sativa* | Early-mature | 20 | 1 | 500 | Yes | 5 | 3 | 1 | 2 | 4 | Limited access around base | Single stemmed. Vertical. Epicormic growths | Minor deadwood | Adjacent, no access | Good | Good | >40 yrs | Moderate | **B** | No works required |
| T18 | Oak | *Quercus robur* | Semi-mature | 25 | 1 | 350 | Yes | 16 | 3 | 2 | 4 | 5 | Limited access around base | Single stemmed. Vertical | Minor deadwood | Adjacent, no access. Very high crown. | Fair | Fair | 20 to 40 yrs | Moderate | **B** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T19 | Sweet Chestnut | *Castanea sativa* | Early-mature | 25 | 1 | 500 | Yes | 6 | 5 | 7 | 4 | 2 | Limited access around base | Single stemmed. Vertical | Moderate dieback. Moderate deadwood | Adjacent, no access. Considerable dieback in northern and eastern crown overhanging site. | Fair | Fair | 20 to 40 yrs | Moderate | **C** | No works required |
| T20 | Pine | *Pinus sylvestris* | Early-mature | 30 | 1 | 500 | Yes | 22 | 3 | 3 | 3 | 3 | Limited access around base | Single stemmed. Vertical. Ivy covered | Minor deadwood | Adjacent, no access. Very high crown. Ivy covered. | Fair | Fair | >40 yrs | Moderate | **B** | No works required |
| T21 | Sweet Chestnut | *Castanea sativa* | Early-mature | 25 | 2 | 400, 400 | Yes | 6 | 4 | 4 | 3 | 6 | Limited access around base | Twin stemmed at base. Vertical. Epicormic growths | Moderate dieback. Moderate deadwood | Adjacent, no access. Moderate dieback and deadwood in eastern crown. | Fair | Fair | >40 yrs | Moderate | **B** | No works required |
| T22 | Beech | *Fagus sylvatica* | Mature | 25 | 1 | 700 | Yes | 3.5 | 7 | 7 | 7 | 5 | Limited access around base | Single stemmed. Vertical | Minor dieback. Minor deadwood | Adjacent, no access | Fair | Fair | >40 yrs | Moderate | **B** | No works required |
| T23 | Plum | *Prunus sp.* | Semi-mature | 8 | 1 | 120 | No | 1 | 3 | 1 | 0.5 | 1.5 | No visual defects | Single stemmed. Slight lean north | Minor deadwood | | Fair | Good | 20 to 40 yrs | Low | **C** | No works required |
| T24 | Yew | *Taxus baccata* | Semi-mature | 7 | 1 | 200 | No | 0.5 | 2.5 | 2.5 | 2 | 2.5 | No visual defects | Single stemmed. Vertical | Old pruning wounds. Minor deadwood | | Good | Good | >40 yrs | Moderate | **C** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T25 | Plum | *Prunus sp.* | Semi-mature | 6 | 1 | 80 | No | 1.5 | 3 | 2.5 | 0.5 | 0.5 | No visual defects | Single stemmed. Slight lean east | Minor deadwood | | Fair | Good | 20 to 40 yrs | Low | **C** | No works required |
| T26 | Yew | *Taxus baccata* | Semi-mature | 6 | 1 | 150 | No | 0.5 | 2.5 | 3 | 2.5 | 0.5 | No visual defects | Single stemmed. Vertical | Minor deadwood | | Good | Good | >40 yrs | Moderate | **C** | No works required |
| T27 | Sweet Chestnut | *Castanea sativa* | Semi-mature | 6 | 1 | 100 | No | 2 | 3 | 2 | 0.5 | 1 | No visual defects | Single stemmed. Slight lean. Old pruning wounds. Stubs. Bark damage | Normal | | Fair | Good | 20 to 40 yrs | Low | **C** | No works required |
| G28 | Rhododendron. Yew. | *Rhododendron sp. Taxus sp.* | Semi-mature | 3.5 | 10+ | 60 | No | 0.5 | See plan | | | | Dense Rhododendron and Yew shrubs | | | | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| G29 | Rhododendron. Plum. Cypress. Aucuba. Magnolia. | *Rhododendron sp. Prunus sp. Cupressus sp. Aucuba sp. Magnolia sp.* | Semi-mature | 3.5 | 10+ | 0 | No | 0.5 | See plan | | | | Dense shrubs | | | | Fair | Fair | 20 to 40 yrs | Moderate | **C** | No works required |
| T30 | Cherry | *Prunus sp.* | Semi-mature | 5.5 | 4 | 100, 50, 100, 110 | No | 1.5 | 2.5 | 2 | 1.5 | 3.5 | No visual defects | Multiple stemmed at 0.5m. Vertical. Stubs. Old pruning wounds | Minor dieback. Minor deadwood | | Fair | Fair | 20 to 40 yrs | Low | **C** | No works required |

AWA TREE CONSULTANTS

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T31 | Cherry | *Prunus sp.* | Semi-mature | 5.5 | 2 | 130, 110 | No | 1.5 | 2.5 | 1.5 | 1.5 | 2 | Exposed roots | Twin stemmed at 1m. Slight lean east. Old pruning wounds. Stubs | Minor dieback. Minor deadwood | | Fair | Fair | 20 to 40 yrs | Low | **C** | No works required |
| T32 | Cherry | *Prunus sp.* | Semi-mature | 5.5 | 2 | 90, 130 | No | 2 | 1 | 1.5 | 2 | 3.5 | No visual defects | Twin stemmed at 1m. Vertical. Old pruning wounds. Stubs | Minor dieback. Minor deadwood | | Fair | Fair | 20 to 40 yrs | Low | **C** | No works required |
| T33 | Cherry | *Prunus sp.* | Early-mature | 14 | 1 | 350 | No | 2 | 4 | 4 | 4 | 4 | No visual defects | Single stemmed. Vertical | Minor dieback. Minor deadwood | | Fair | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| T34 | Cherry | *Prunus* 'Amanogawa' | Semi-mature | 11 | 2 | 180, 100 | No | 2 | 2 | 2 | 2 | 2 | No visual defects | Twin stemmed at base. Vertical. Tight unions | Minor deadwood | Graft bulge at base | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| G35 | Apple. Pear. | *Malus sp. Pyrus sp.* | Semi-mature | 3 | 10+ | 70 | No | 1 | See plan | | | | Group of young to semi mature Apples and Pears forming orchard area | | | | Fair | Fair | >40 yrs | Moderate | **C** | No works required |
| T36 | Cherry | *Prunus sp.* | Semi-mature | 2.5 | 1 | 160 | No | 0.5 | 1.5 | 1 | 1.5 | 2 | No visual defects | Single stemmed. Vertical. Old pruning wounds. Stubs | Old pruning wounds. Minor deadwood | | Fair | Fair | 20 to 40 yrs | Low | **C** | No works required |

AWA TREE CONSULTANTS

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| G37 | Cypress. Juniper. Rhododendron. Maple. Rowan. Cherry Laurel. | *Cupressus sp. Juniperus sp. Rhododendron sp. Acer sp. Sorbus sp. Prunus sp.* | Semi-mature | 5 | 10+ | 80 | No | 0.5 | See plan | | | | Boundary group of shrubs and small trees | | | | Fair | Fair | 20 to 40 yrs | Moderate | **C** | No works required |
| T38 | Cypress | *Cupressus sp.* | Early-mature | 13 | 2 | 250, 250 | No | 0.5 | 1.5 | 1.5 | 1.5 | 1.5 | No visual defects | Twin stemmed at base. Vertical. Tight unions | Minor deadwood | Stem measurement estimated | Good | Good | >40 yrs | Moderate | **C** | No works required |
| T39 | Yew | *Taxus baccata* | Semi-mature | 8 | 1 | 250 | No | 1 | 3 | 3 | 3 | 3 | No visual defects | Single stemmed. Vertical. Tight unions. Stubs | Minor deadwood | | Good | Good | >40 yrs | Moderate | **C** | No works required |
| T40 | Cherry | *Prunus sp.* | Semi-mature | 6 | 3 | 90, 50, 60 | No | 1.5 | 2 | 0.5 | 0.5 | 3.5 | No visual defects | Multiple stemmed at base. Slight lean west. Stubs. Tight unions. Bark damage | Minor dieback. Minor deadwood | Suppressed by Cypress group | Fair | Fair | 10 to 20 yrs | Low | **C** | No works required |
| T41 | Pieris | *Pieris sp.* | Mature | 4.5 | 4 | 80, 70, 50, 60 | No | 1.5 | 2 | 2.5 | 1.5 | 2.5 | No visual defects | Multiple stemmed at base. Vertical. Epicormic growths. Old pruning wounds. Stubs. Tight unions | Minor dieback. Minor deadwood | | Fair | Fair | 10 to 20 yrs | Low | **C** | No works required |
| T42 | Magnolia | *Magnolia sp.* | Semi-mature | | 2 | 80, 40 | No | 0.5 | 2.5 | 2 | 1.5 | 3.5 | No visual defects | Twin stemmed at 0.5m. Slight lean | Minor deadwood | | Good | Good | 20 to 40 yrs | Low | **C** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T43 | Gum | *Eucalyptus sp.* | Early-mature | 20 | 1 | 530 | No | 2 | 9 | 5 | 1 | 3.5 | No visual defects | Single stemmed. Significant lean north east. Epicormic growths | Minor deadwood | | Good | Good | >40 yrs | Moderate | **B** | No works required |
| T44 | Larch | *Larix decidua* | Early-mature | 20 | 1 | 350 | No | 4 | 3.5 | 3.5 | 3 | 2 | No visual defects | Single stemmed. Slight lean north east | Minor deadwood | | Good | Good | >40 yrs | Moderate | **B** | No works required |
| T45 | Rowan | *Sorbus aucuparia* | Semi-mature | 6 | 2 | 90, 80 | No | 1.5 | 3 | 3 | 1.5 | 2 | No visual defects | Twin stemmed at 0.5m. Slight lean north east. Bark damage | Minor deadwood | Growing out of base of large Larch. Rubbing against Larch. | Good | Good | 10 to 20 yrs | Low | **C** | No works required |
| T46 | Cypress | *Cupressus sp.* | Semi-mature | 3.5 | 2 | 90, 60 | No | 1 | 1 | 1 | 1.5 | 1.5 | No visual defects | Twin stemmed at 0.5m. Vertical. Stubs. Old pruning wounds. Tight unions | Normal | | Good | Good | 10 to 20 yrs | Low | **C** | No works required |
| G47 | Rhododendron | *Rhododendron sp.* | Semi-mature | 3 | 10+ | 30 | No | 0 | See plan | | | | Managed linear group of Rhododendron | | | | Good | Good | 20 to 40 yrs | Low | **C** | No works required |
| T48 | Birch | *Betula pendula* | Early-mature | 18 | 1 | 320 | No | 7 | 4 | 5.5 | 2.5 | 1 | Exposed roots | Single stemmed. Slight lean east | Minor deadwood | Minor cavity with decay to buttress root at base to east | Good | Fair | >40 yrs | Moderate | **B** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T49 | Cypress | *Cupressus sp.* | Semi-mature | 7.5 | 1 | 130 | No | 1.5 | 1 | 1 | 1 | 1 | No visual defects | Single stemmed. Vertical. Old pruning wounds. Stubs | Normal | | Good | Good | 20 to 40 yrs | Low | **C** | No works required |
| T50 | Cypress | *Cupressus sp.* | Semi-mature | 11 | 1 | 190 | No | 0.5 | 1.5 | 1.5 | 1.5 | 1.5 | No visual defects | Single stemmed. Vertical | Normal | | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| T51 | Oak | *Quercus robur* | Early-mature | 12 | 1 | 400 | No | 2 | 5.5 | 5.5 | 3.5 | 2.5 | No visual defects | Single stemmed. Slight lean north east. Ivy covered | Minor deadwood | Ivy prevented detailed inspection and accurate stem measurement | Fair | Fair | 20 to 40 yrs | Moderate | **B** | No works required |
| G52 | Rhododendron | *Rhododendron sp.* | Semi-mature | 3 | 10+ | 60 | No | 0 | See plan | | | | Group of shrubby Rhododendron | | | | Good | Good | 20 to 40 yrs | Low | **C** | No works required |
| T53 | Larch | *Larix decidua* | Early-mature | 21 | 1 | 550 | No | 2 | 4 | 6 | 7 | 6.5 | No visual defects | Single stemmed. Vertical. Stubs. Epicormic growths. Old pruning wounds | Minor deadwood. Snapped/ hanging branches | Was Ivy covered, now severed | Good | Good | >40 yrs | Moderate | **B** | No works required |
| T54 | Laburnum | *Laburnum anagyroides* | Semi-mature | 7 | 2 | 110, 90 | No | 1.5 | 3 | 0.5 | 3 | 3.5 | No visual defects | Twin stemmed at 1m. Slight lean west | Minor deadwood | | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |

AWA TREE CONSULTANTS

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T55 | Laburnum | *Laburnum anagyroides* | Semi-mature | 8 | 1 | 130 | No | 2 | 3.5 | 1.5 | 0.5 | 2.5 | No visual defects | Single stemmed. Slight lean north east | Minor deadwood | | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| T56 | Laburnum | *Laburnum anagyroides* | Semi-mature | 5 | 1 | 150 | No | 1.5 | 2 | 1.5 | 2.5 | 2.5 | No visual defects | Single stemmed. Vertical. Bark damage. Minor cavity | Minor deadwood | | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| T57 | Laburnum | *Laburnum anagyroides* | Semi-mature | 6 | 1 | 120 | No | 1.5 | 2 | 0.5 | 1.5 | 3 | No visual defects | Single stemmed. Slight lean west. Old pruning wounds | Minor deadwood | | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| T58 | Laburnum | *Laburnum anagyroides* | Semi-mature | 6 | 7 | 60 | No | 1.5 | 1.5 | 3 | 1.5 | 3 | No visual defects | Multiple stemmed at 1m. Vertical. Tight unions | Minor deadwood | | Good | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| G59 | Leyland Cypress | *x Cupressocyparis leylandii* | Semi-mature | 15 | 10+ | 200 | No | 1 | See plan | | | | Linear group of tall Cypress running along boundary. Occasional Holly and Cherry Laurel. Good screening value. | | | | Fair | Fair | 20 to 40 yrs | Moderate | **C** | No works required |
| T60 | Horse Chestnut | *Aesculus hippocastanum* | Mature | 17 | 1 | 650 | No | 2 | 5 | 6 | 5 | 3.5 | No visual defects | Single stemmed. Slight lean east. Ivy covered | Minor deadwood. Horse Chestnut Leaf Miner | Ivy prevented detailed inspection | Fair | Fair | >40 yrs | Moderate | **B** | No works required |

AWA TREE CONSULTANTS

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T61 | Horse Chestnut | *Aesculus sp.* | Early-mature | 15 | 1 | 440 | No | 2 | 4.5 | 6 | 2 | 4 | No visual defects | Single stemmed. Vertical. Bark damage. Ivy covered. Moderate cavities. Moderate decay. Cankers | Moderate dieback. Minor deadwood | Ivy prevented detailed inspection. Cankers to main stem with decay. Likely Bleeding Canker of Horse Chestnut. | Poor | Fair | <10 yrs | Moderate | **U** | Removal recommended regardless of development |
| G62 | Cherry Laurel. Privet. Rhododendron. | *Prunus sp. Ligustrum sp. Rhododendron sp.* | Semi-mature | 2.5 | 10+ | 50 | No | 0 | See plan | | | | Linear shrubby boundary group. Heavily pruned. Some screening value. | | | | Fair | Fair | 20 to 40 yrs | Moderate | **C** | No works required |
| G63 | Cherry Laurel. Privet. Rhododendron. | *Prunus sp. Ligustrum sp. Rhododendron sp.* | Semi-mature | 4 | 10+ | 70 | No | 0 | See plan | | | | Linear shrubby boundary group. Some screening value. | | | | Fair | Fair | 20 to 40 yrs | Moderate | **C** | No works required |
| T64 | Cypress | *Cupressus sp.* | Semi-mature | 11 | 1 | 250 | No | 2 | 0.5 | 1 | 1 | 2 | No visual defects | Single stemmed. Vertical. Old pruning wounds | Small/ sparse. Minor dieback. Minor deadwood | | Fair | Good | 20 to 40 yrs | Moderate | **C** | No works required |
| T65 | Cypress | *Cupressus sp.* | Semi-mature | 11 | 1 | 250 | No | 1 | 1.5 | 1.5 | 1.5 | 1.5 | No visual defects | Single stemmed. Vertical | Minor deadwood | | Fair | Fair | 20 to 40 yrs | Moderate | **C** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| G66 | Holly. Cherry Laurel. | *Ilex sp. Prunus sp.* | Semi-mature | 7 | 10+ | 70 | No | 0.5 | See plan | | | | Dense group of Holly and Cherry Laurel | | | | Fair | Fair | 20 to 40 yrs | Low | **C** | No works required |
| T67 | Oak | *Quercus robur* | Mature | 20 | 1 | 720 | No | 4 | 2.5 | 5 | 5.5 | 6 | No visual defects | Single stemmed. Vertical. Ivy covered | Minor deadwood. Ivy covered | Ivy prevented detailed inspection and accurate stem measurement | Fair | Fair | >40 yrs | Moderate | **A** | No works required |
| T68 | Beech | *Fagus sylvatica* | Mature | 23 | 1 | 800 | No | 3 | 6 | 7 | 6 | 4.5 | No visual defects | Single stemmed. Vertical. Ivy covered | Minor dieback. Minor deadwood | Ivy prevented detailed inspection and accurate stem measurement | Fair | Good | >40 yrs | Moderate | **A** | No works required |
| T69 | Maple | *Acer palmatum* | Semi-mature | 7 | 1 | 120 | No | 2 | 0.5 | 1 | 3 | 2.5 | No visual defects | Single stemmed. Significant lean south. Epicormic growths. Old pruning wounds. Stubs. Bark damage. Minor decay | Minor deadwood | Extensive bark damage to main stem | Fair | Fair | 10 to 20 yrs | Low | **C** | No works required |
| T70 | Lawson Cypress/ Chamaecyparis | *Chamaecyparis lawsoniana* | Semi-mature | 14 | 6 | 120 | No | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | No visual defects | Multiple stemmed at base. Vertical. Stubs. Bark damage. Ivy covered. Tight unions | Minor dieback. Minor deadwood | Ivy prevented detailed inspection | Fair | Fair | 10 to 20 yrs | Low | **C** | No works required |

| | Tree Species | | Measurements | | | | | Crown (m) | | | | | Tree Condition | | | | | | | Value | | Management |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tree ID* | *Common Name* | *Latin Name* | *Maturity* | *Height (m)* | *Stems* | *Stem Dia (mm)* | *Estimated* | *Ave Height* | *N* | *E* | *S* | *W* | *Roots* | *Stem* | *Crown* | *Comments* | *Physiological* | *Structural* | *Life Expectancy* | *Amenity* | *Category* | *Works* |
| T71 | Lawson Cypress/ Chamaecyparis | *Chamaecyparis lawsoniana* | Semi-mature | 12 | 2 | 190, 120 | No | 1.5 | 2 | 1 | 2 | 1.5 | No visual defects | Twin stemmed at base. Vertical. Stubs | Minor deadwood | | Fair | Fair | 20 to 40 yrs | Low | **C** | No works required |

HEMINGFIELD ROAD

A 6195

84.7m

T1
T2
T3
T4
T5
T6
T7
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T68
T69
T70
T71
G3
G28
G29
G35
G37
G52
G59
G62
G63
G66

Shrubs
Shrubs and small trees
Shrubs and young trees
Shrubs 2m
Pieris shrubs 3.5m
Cherry 2m
Ginkgo 7m
Fir 4m
Japanese Maple 4.5m
Japanese Maple 5.5m
Japanese Maple 3.5m
Japanese Maple 2.5m
Cotoneaster 5m

TP
WM
GY
LP
GATE

NORTH

AWA TREE CONSULTANTS

# Appendix 5:
# Tree Constraints Plan

**Clumber Lodge, Hemingfield Road, Wombwell**
**Ref: AWA2802**

BRITISH STANDARD 5837:2012
RETENTION CATEGORIES
Definitions of these catagories can be found in Appendix 2 of the report.

SCALE: 1:200 PAPER: A1

| | |
|---|---|
| | CATEGORY A: HIGH VALUE RETENTION MOST DESIRABLE |
| | CATEGORY B: MODERATE VALUE RETENTION DESIRABLE |
| | CATEGORY C: LOWER VALUE COULD BE RETAINED |
| | CATEGORY U: FOR REMOVAL |
| | RPA: ROOT PROTECTION AREA |
| | TREE STEM |

HEMINGFIELD ROAD

84.7m

T1

T2

G3

T5

T4

G3

Amenity Space

Proposed Dwelling

Shrubs

Shrubs and small trees

Shrubs

G63

Shrubs and small trees

Shrubs

T68

T67

G66

T70

T71

T64

T65

T69

Shrubs

G62

T15

Pieris shrubs 3.5m

Shrubs

1.8M CLOSE BOARDED FENCE OR SIMILAR

Amenity Space

Shrubs

T61

T60

T17

T16

T6

T7

T18

T19

T23

T25

T27

T24

T26

Shrubs 2m

T14

T8

T9

T13

T20

T12

G28

T21

T11

Cherry 2m

T53

T55

T54

T56

T57

T58

Shrubs

Shrubs and small trees

G59

T50

T51

T49

G52

T43

T48

Japanese Maple 4.5m

T42

T45

G47

Cotoneaster 5m

T41

T46

T44

T40

Japanese Maple 2.5m

Cherry 2m

T39

T38

Japanese Maple 5.5m

Japanese Maple 3.5m

G37

G29

Ginkgo 7m

T36

G35

A 6195

T10

T22

Shrubs and young trees

T34

Shrubs

Fir 4m

T32

T33

T30

T31

NORTH

AWA TREE CONSULTANTS

# Appendix 6: Tree Impacts Plan

Clumber Lodge, Hemingfield Road, Wombwell
Ref: AWA2802

BRITISH STANDARD 5837:2012

SCALE: 1:200 PAPER: A1

| | |
|---|---|
| | TREE/HEDGE TO BE RETAINED |
| | TREE/HEDGE TO BE REMOVED |
| | RPA: ROOT PROTECTION AREA |
| | TREE STEM |